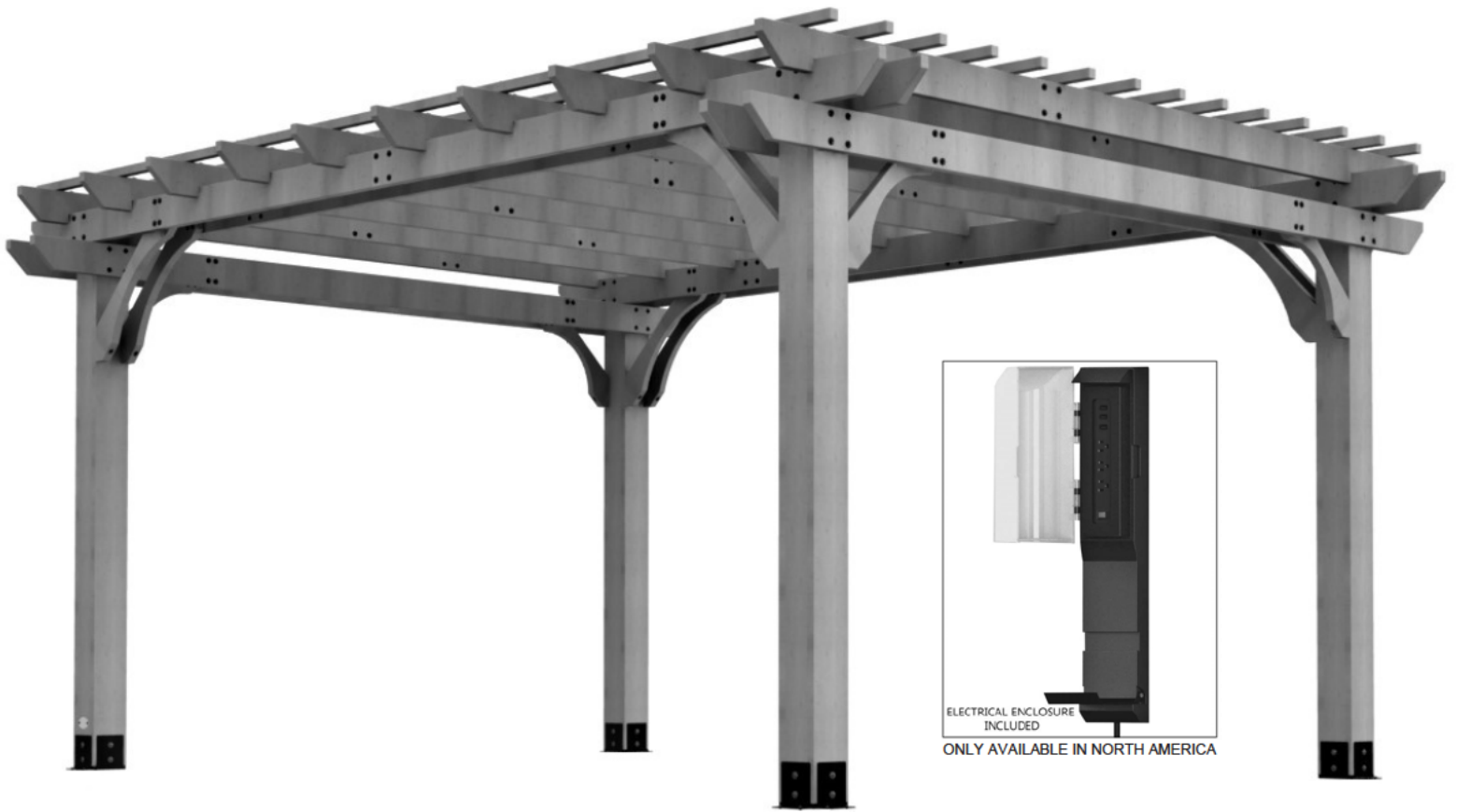




# **WARNING**

Cancer and Reproductive Harm  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



ELECTRICAL ENCLOSURE  
INCLUDED  
ONLY AVAILABLE IN NORTH AMERICA

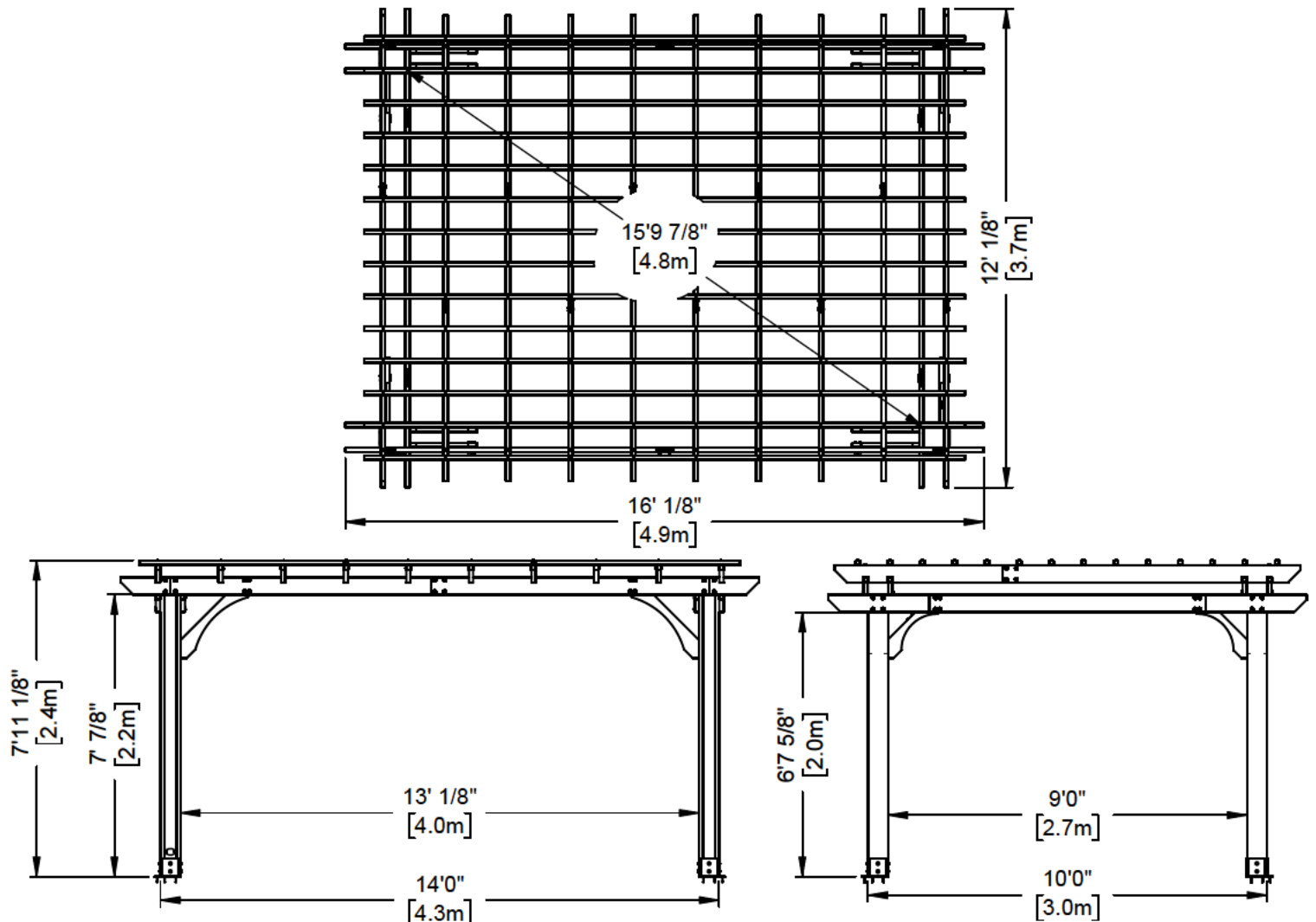
# OWNER'S MANUAL - BASIC SETUP DIMENSIONS & ASSEMBLY NOTES

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

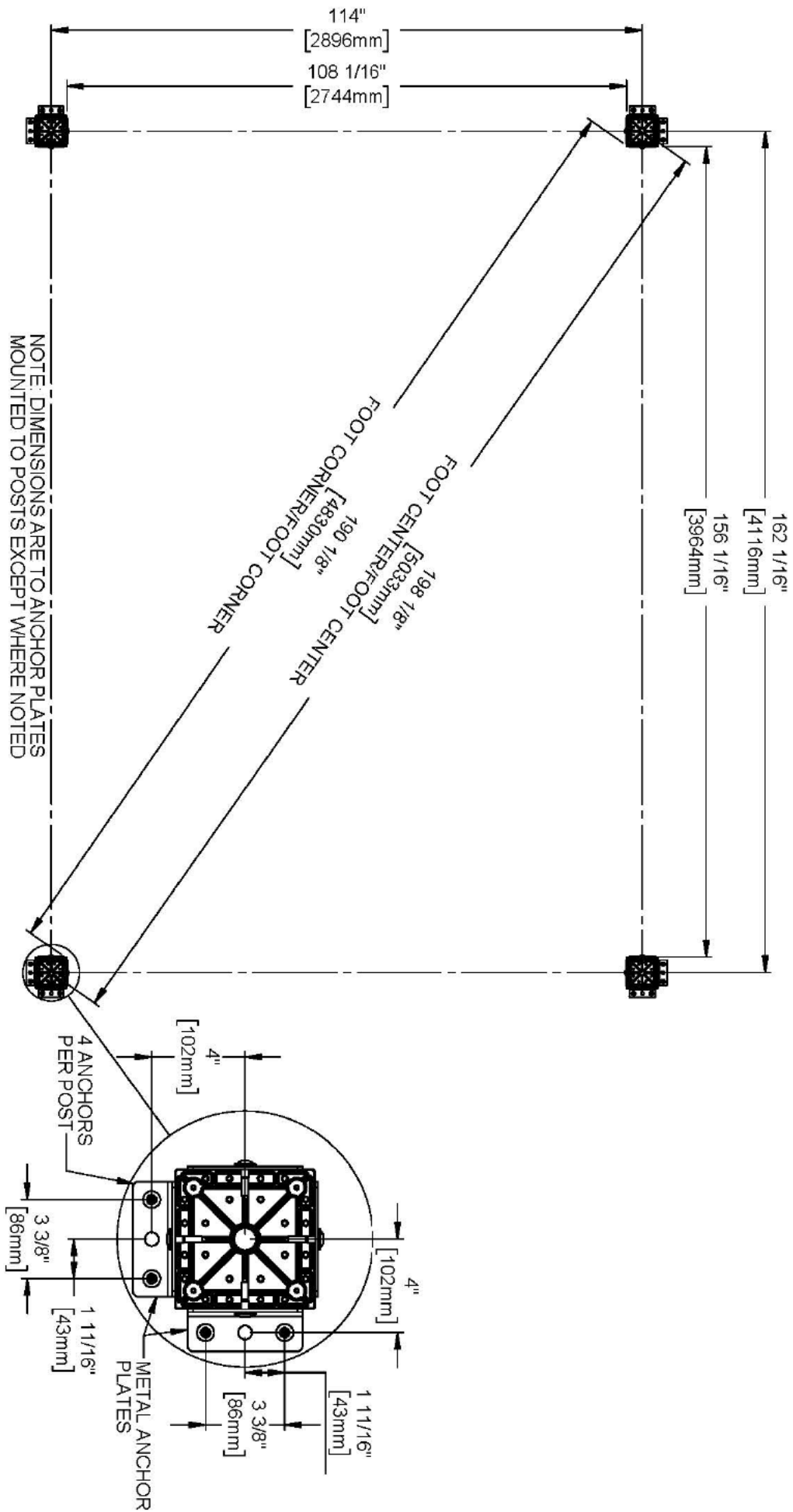
- Pay close attention to the items needed for each step. Make sure you are using the correct hardware for each step. Using incorrect hardware may result in improper assembly
- Remember to double check for underground utilities and overhead electrical lines

**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. See Anchor Instructions for further details and recommendations.**

- 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 separately. You must ensure there is ample structural support under the deck before permanently attaching.



## OWNER'S MANUAL - ANCHORING LAYOUT



# OWNER'S MANUAL - PARTS IDENTIFICATION

## Wood Components (Not to Scale)



**D01** | JOIST END - W4L15500  
(4) | 1 3/8"x5 1/4"x35 1/2" (36x134x902)



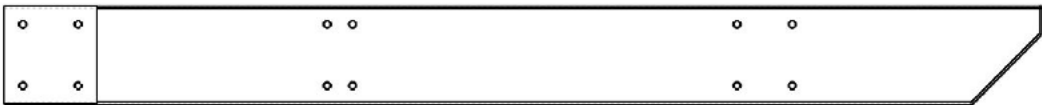
**D02** | JOIST END - W4L15501  
(4) | 1 3/8"x5 1/4"x35 1/2" (36x134x902)



**D03** | JOIST END - W4L15502  
(2) | 1 3/8"x5 1/4"x15" (36x134x382)



**D04** | JOIST END - W4L15503  
(2) | 1 3/8"x5 1/4"x15" (36x134x382)



**D05** | JOIST END - W4L15504  
(2) | 1 3/8"x5 1/4"x56 3/8" (36x134x1431)



**D06** | JOIST END - W4L15505  
(2) | 1 3/8"x5 1/4"x56 3/8" (36x134x1431)



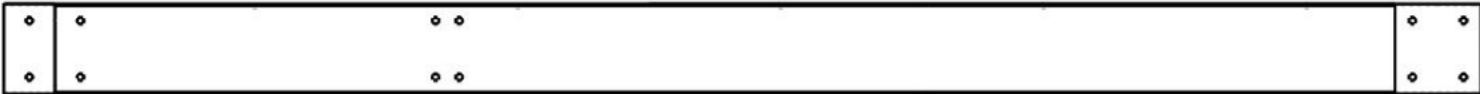
**D07** | JOIST - W4L15506  
(4) | 1 3/8"x5 1/4"x83 1/8" (36x134x2112)



**D08** | JOIST - W4L15507  
(2) | 1 3/8"x5 1/4"x86 1/2" (36x134x2198)



**D09** | JOIST - W4L15508  
(2) | 1 3/8"x5 1/4"x89 1/2" (36x134x2274)

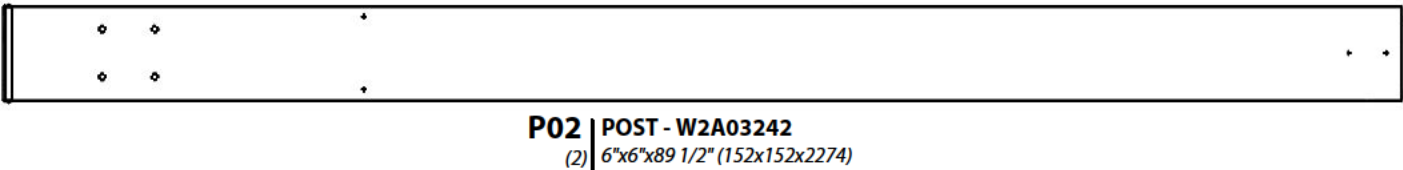
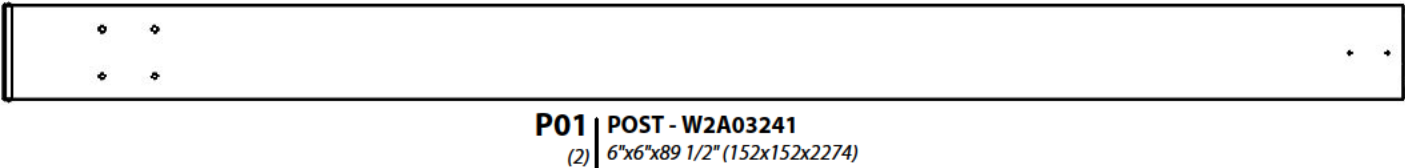
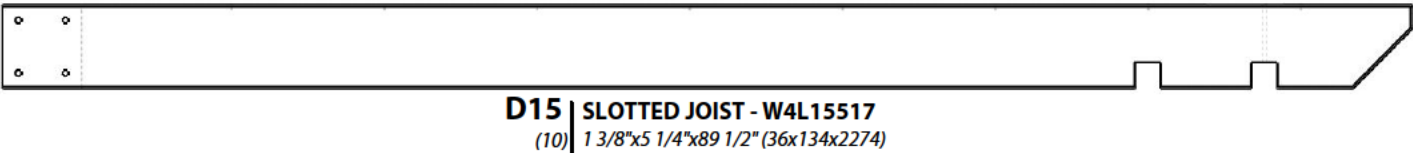
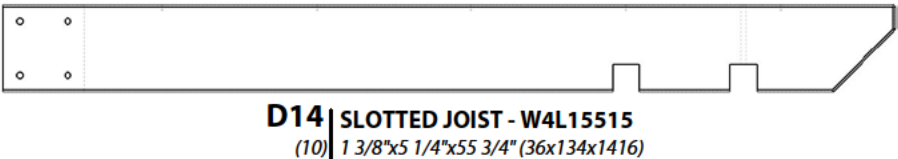
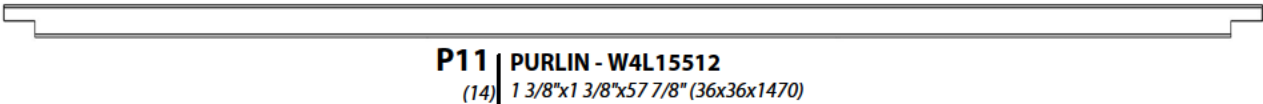
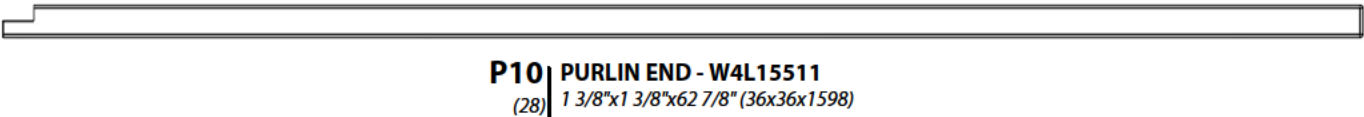
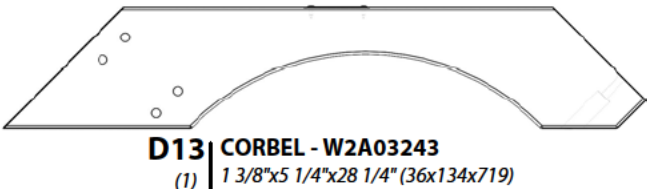
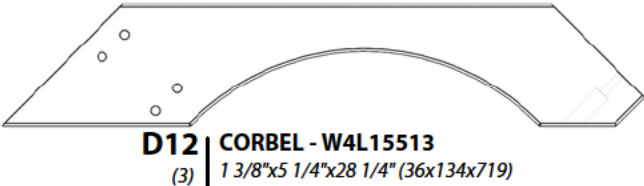
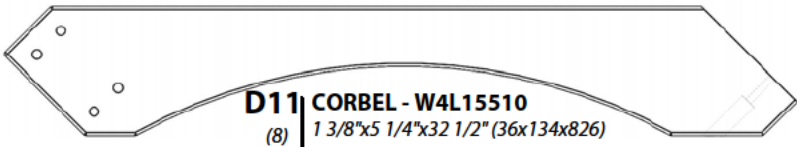


**D10** | JOIST - W4L15509  
(2) | 1 3/8"x5 1/4"x86 1/2" (36x134x2198)



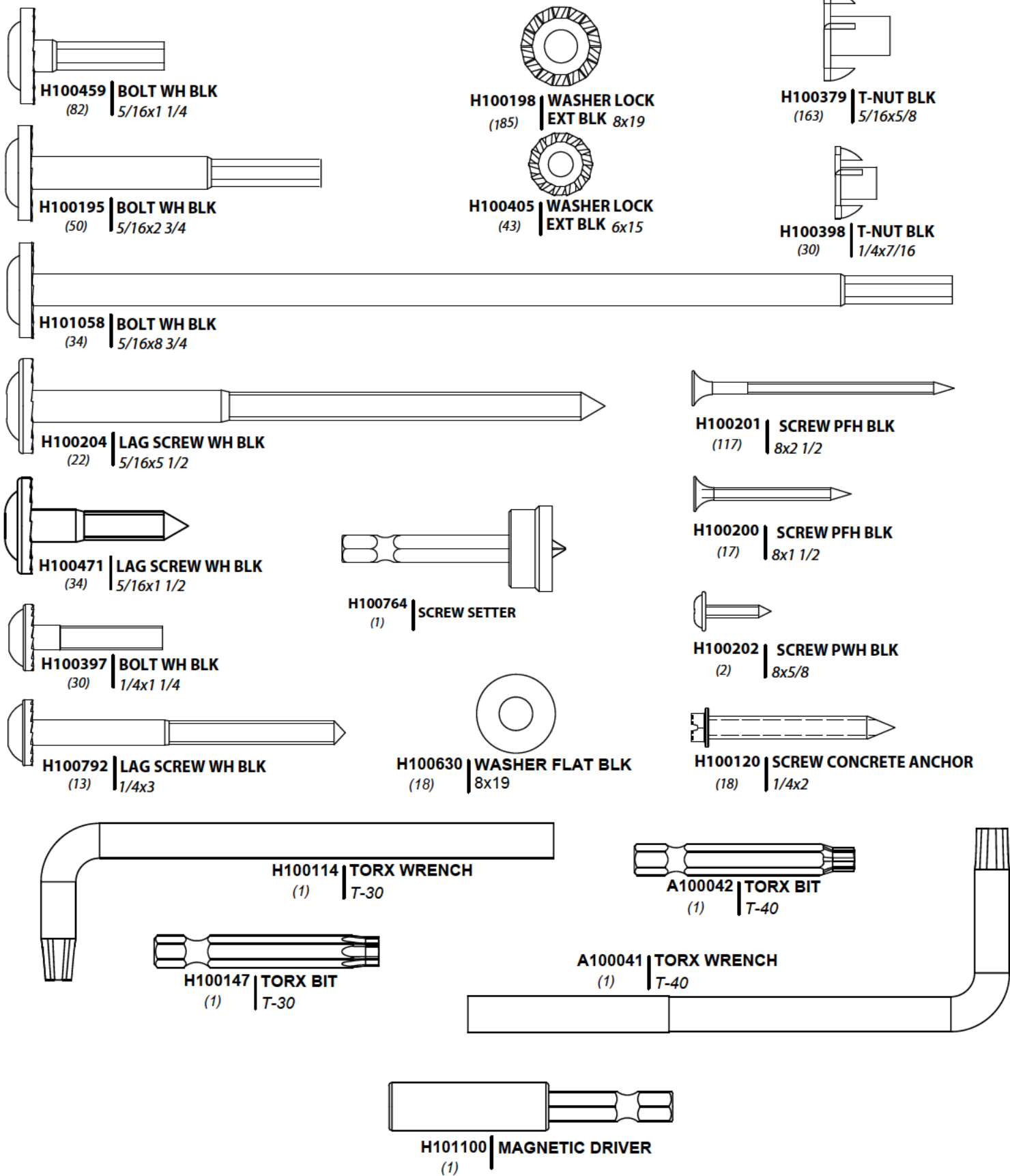
# OWNER'S MANUAL - PARTS IDENTIFICATION

## Wood Components (Not to Scale)



# OWNER'S MANUAL - PARTS IDENTIFICATION

## Hardware Components

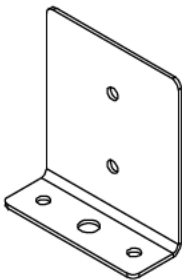


# OWNER'S MANUAL - PARTS IDENTIFICATION

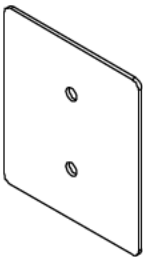
## Accessory Components (Not to Scale)



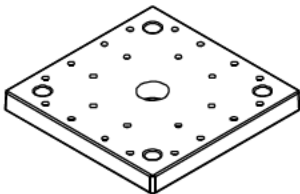
**A100241**  
(1) **BYD ID TAG  
(SMALL)  
WITHOUT AGES**



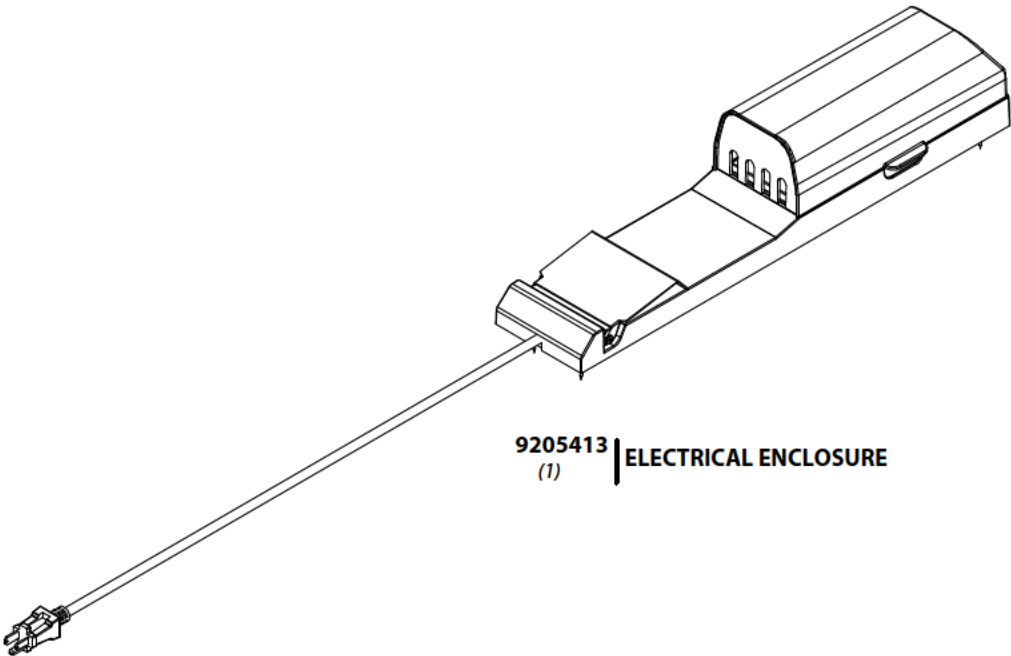
**A4M00977**  
(8) **POST ANCHORING PLATE**



**A4M00978**  
(8) **POST PLATE**



**A6P00308**  
(4) **6x6 POST FOOT**



**9205413**  
(1) **ELECTRICAL ENCLOSURE**

# 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.

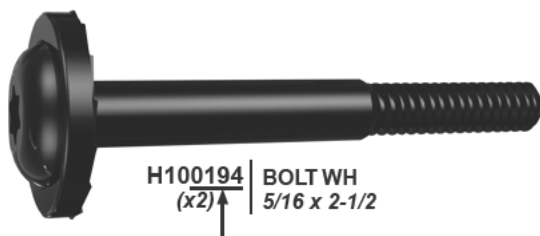
**NOTE: CARTONS ARE NOT ORGANIZED BY BOARD NUMBER.**



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## 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**



Cordless Drill  
or Electric Drill



Drill  
Attachments:  
Phillips Head



1/8", 3/16", 3/8" &  
7/16" Drill Bits



Phillips Screw Driver



Open End  
Wrenches 1/2" &  
9/16"



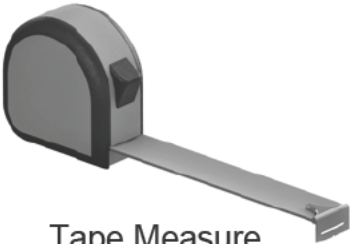
3/8" Drive Ratchet, 1/2" &  
7/16" STD Sockets 1/2" & 7/16"  
Deep Sockets



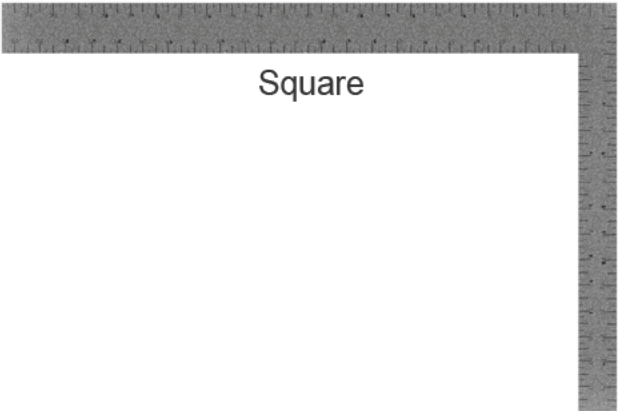
Claw Hammer



Rubber Mallet  
- Optional



Tape Measure



Square



Level 24"

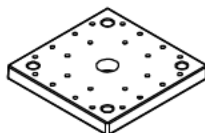
## **PRE-ASSEMBLY STEP 3 - CHOOSE YOUR ASSEMBLY METHOD**

There are several types of assembly instructions available to you.

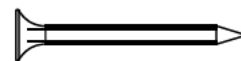
1. Printed Assembly Manual included with your set
2. BILT APP - 3D interactive instructions
3. Combination of the Printed Manual and BILT APP (Note: Step numbers can differ between the two methods)

# STEP 4 - PERGOLA ASSEMBLY

**P01 | POST - W2A03241**  
(2) 6"x6"x89 1/2" (152x152x2274)



**A6P00308 | 6x6 POST FOOT**  
(4)

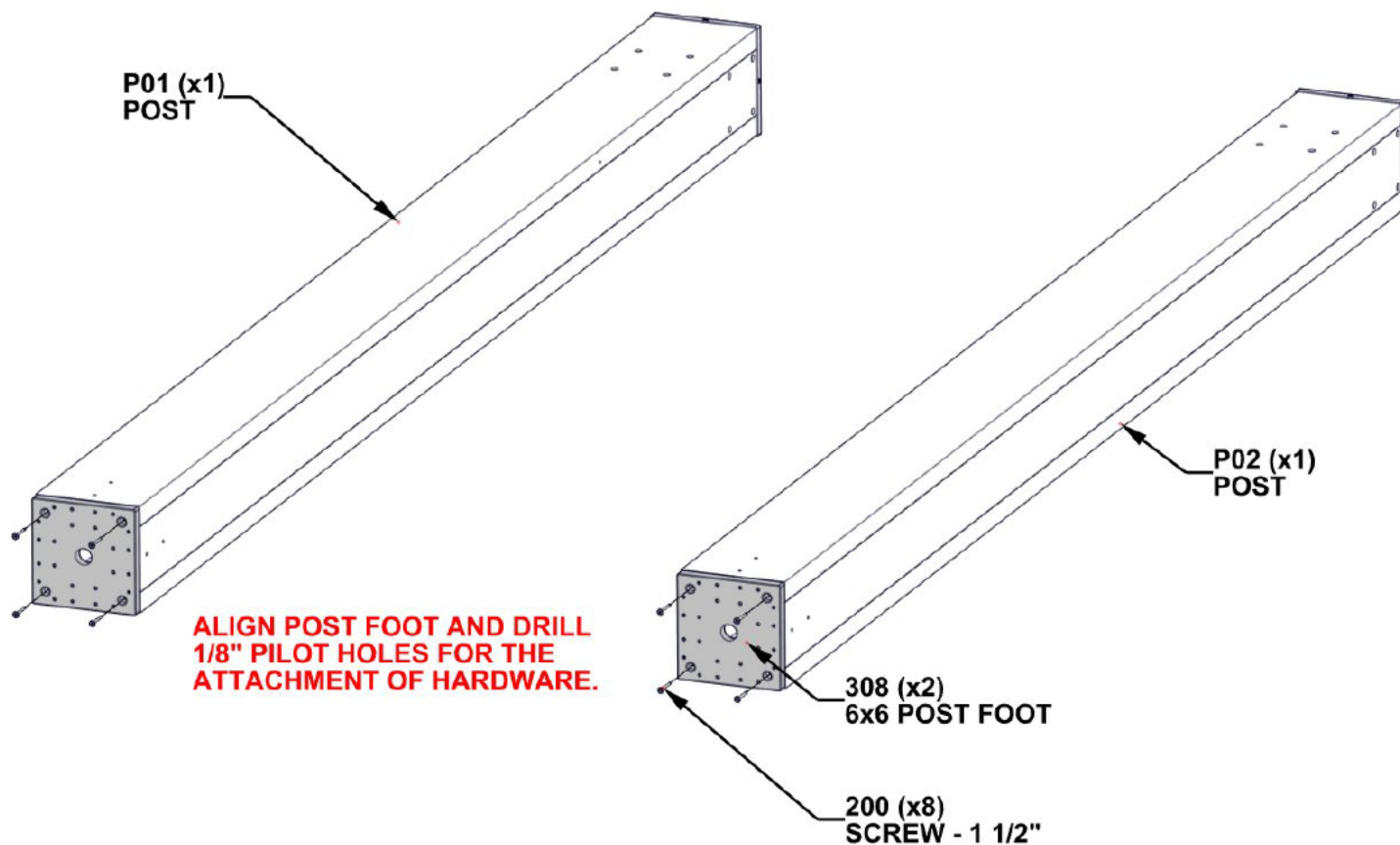


**H100200 | SCREW PFH BLK**  
(16) 8x1 1/2

**P02 | POST - W2A03242**  
(2) 6"x6"x89 1/2" (152x152x2274)

## COMPLETE THIS STEP TWICE.

FOR EASE OF ASSEMBLY, WE RECOMMEND USING SAW HORSES FOR STEPS 4-10.

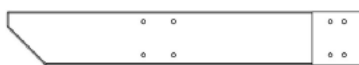




# STEP 5 - PERGOLA ASSEMBLY



**D01** JOIST END - W4L15500  
(1) 1 3/8"x5 1/4"x35 1/2" (36x134x902)



**D02** JOIST END - W4L15501  
(1) 1 3/8"x5 1/4"x35 1/2" (36x134x902)



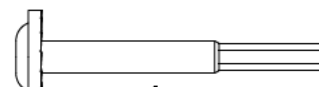
**D07** JOIST - W4L15506  
(1) 1 3/8"x5 1/4"x83 1/8" (36x134x2112)



**D12** CORBEL - W4L15513  
(1) 1 3/8"x5 1/4"x28 1/4" (36x134x719)



**D13** CORBEL - W2A03243  
(1) 1 3/8"x5 1/4"x28 1/4" (36x134x719)



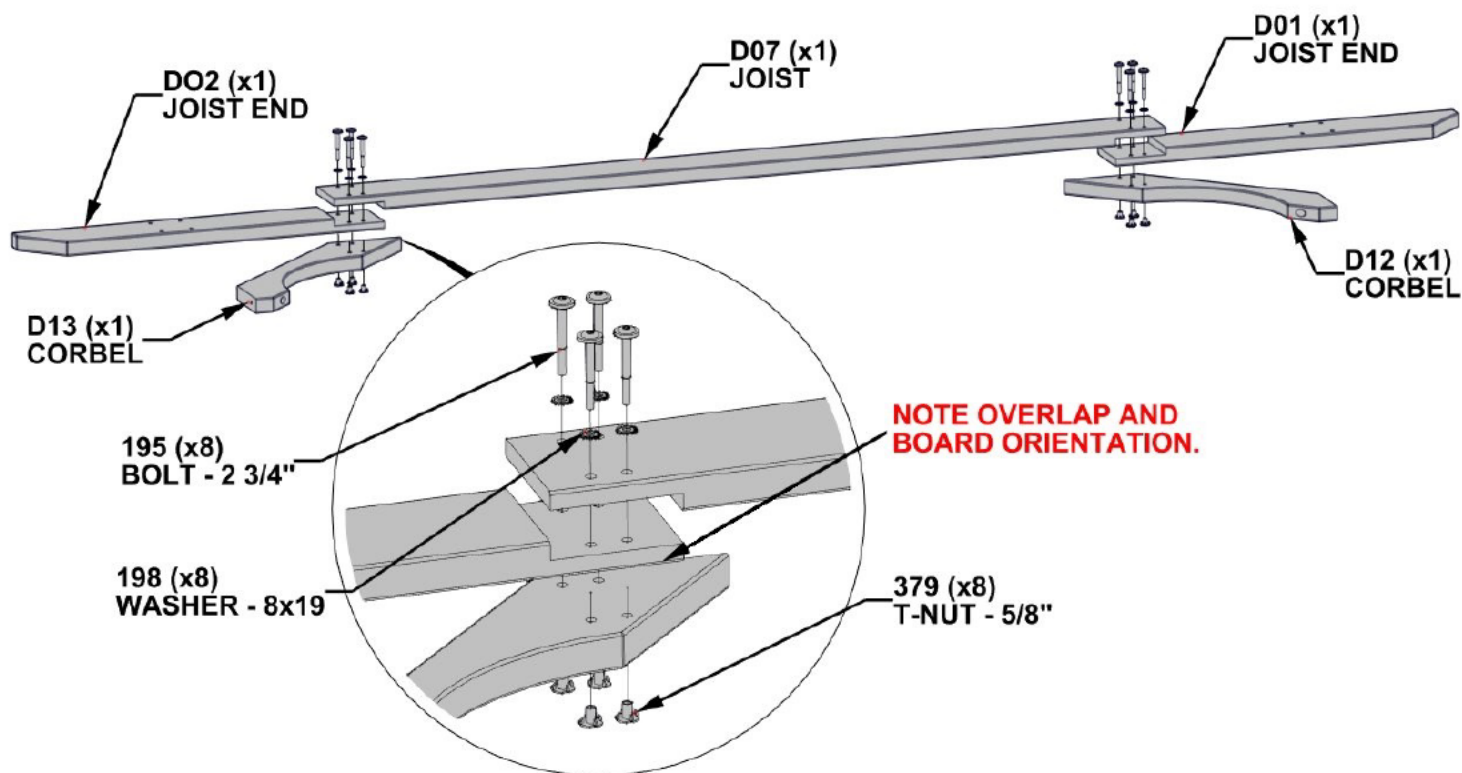
**H100195** BOLT WH BLK  
(8) 5/16x2 3/4



**H100198** WASHER LOCK  
(8) EXT BLK 8x19



**H100379** T-NUT BLK  
(8) 5/16x5/8





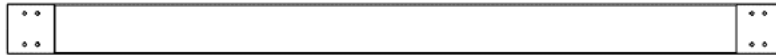
# STEP 6 - PERGOLA ASSEMBLY



**D01** JOIST END - W4L15500  
(1) 1 3/8"x5 1/4"x35 1/2" (36x134x902)



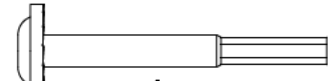
**D02** JOIST END - W4L15501  
(1) 1 3/8"x5 1/4"x35 1/2" (36x134x902)



**D07** JOIST - W4L15506  
(1) 1 3/8"x5 1/4"x83 1/8" (36x134x2112)



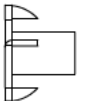
**D12** CORBEL - W4L15513  
(2) 1 3/8"x5 1/4"x28 1/4" (36x134x719)



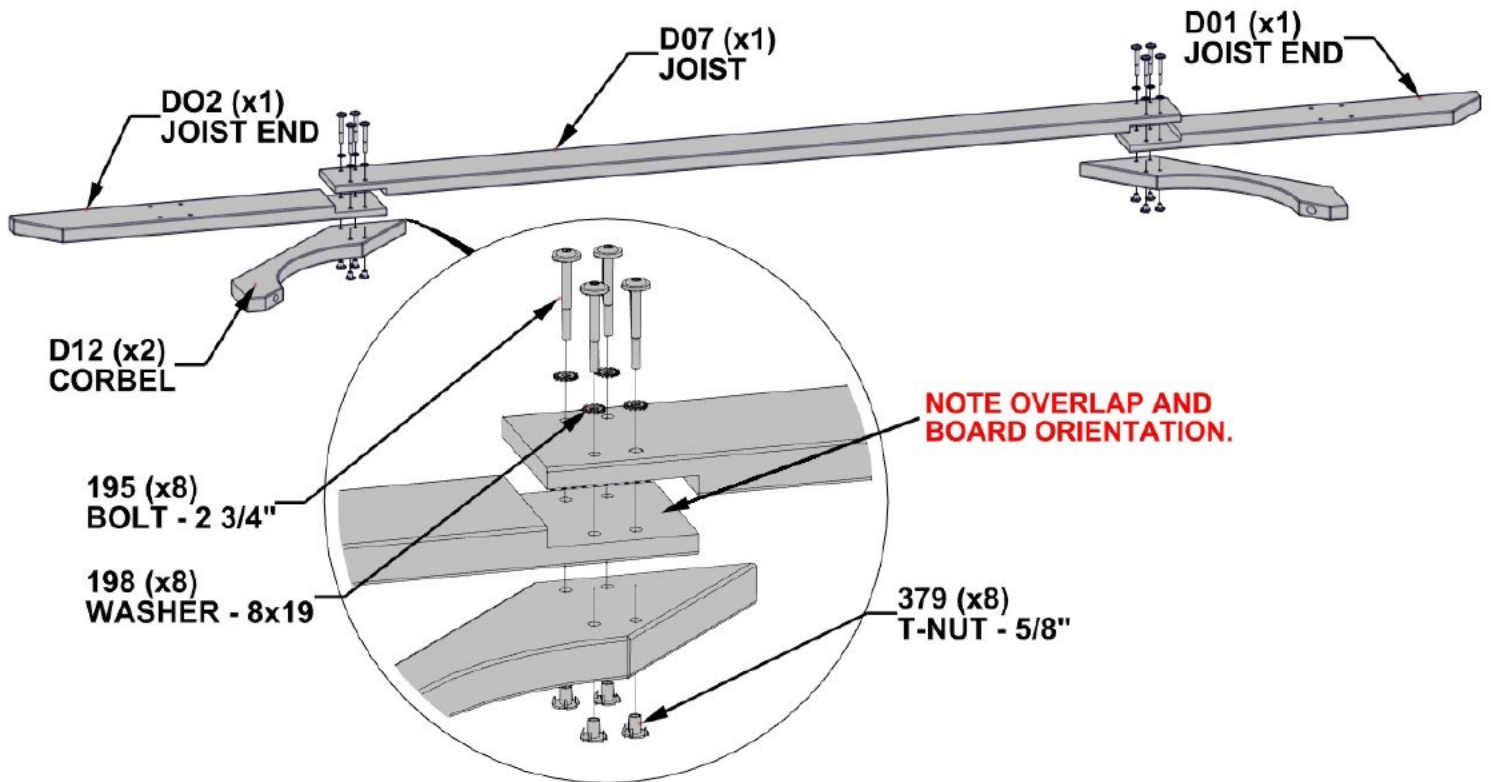
**H100195** BOLT WH BLK  
(8) 5/16x2 3/4



**H100198** WASHER LOCK  
(8) EXT BLK 8x19



**H100379** T-NUT BLK  
(8) 5/16x5/8



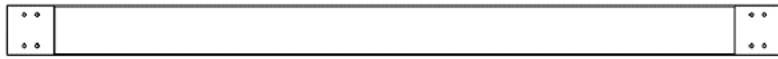
# STEP 7 - PERGOLA ASSEMBLY



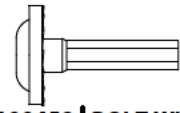
**D01** JOIST END - W4L15500  
(2) 1 3/8"x5 1/4"x35 1/2" (36x134x902)



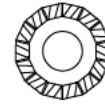
**D02** JOIST END - W4L15501  
(2) 1 3/8"x5 1/4"x35 1/2" (36x134x902)



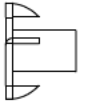
**D07** JOIST - W4L15506  
(2) 1 3/8"x5 1/4"x83 1/8" (36x134x2112)



**H100459** BOLT WH BLK  
(16) 5/16x1 1/4

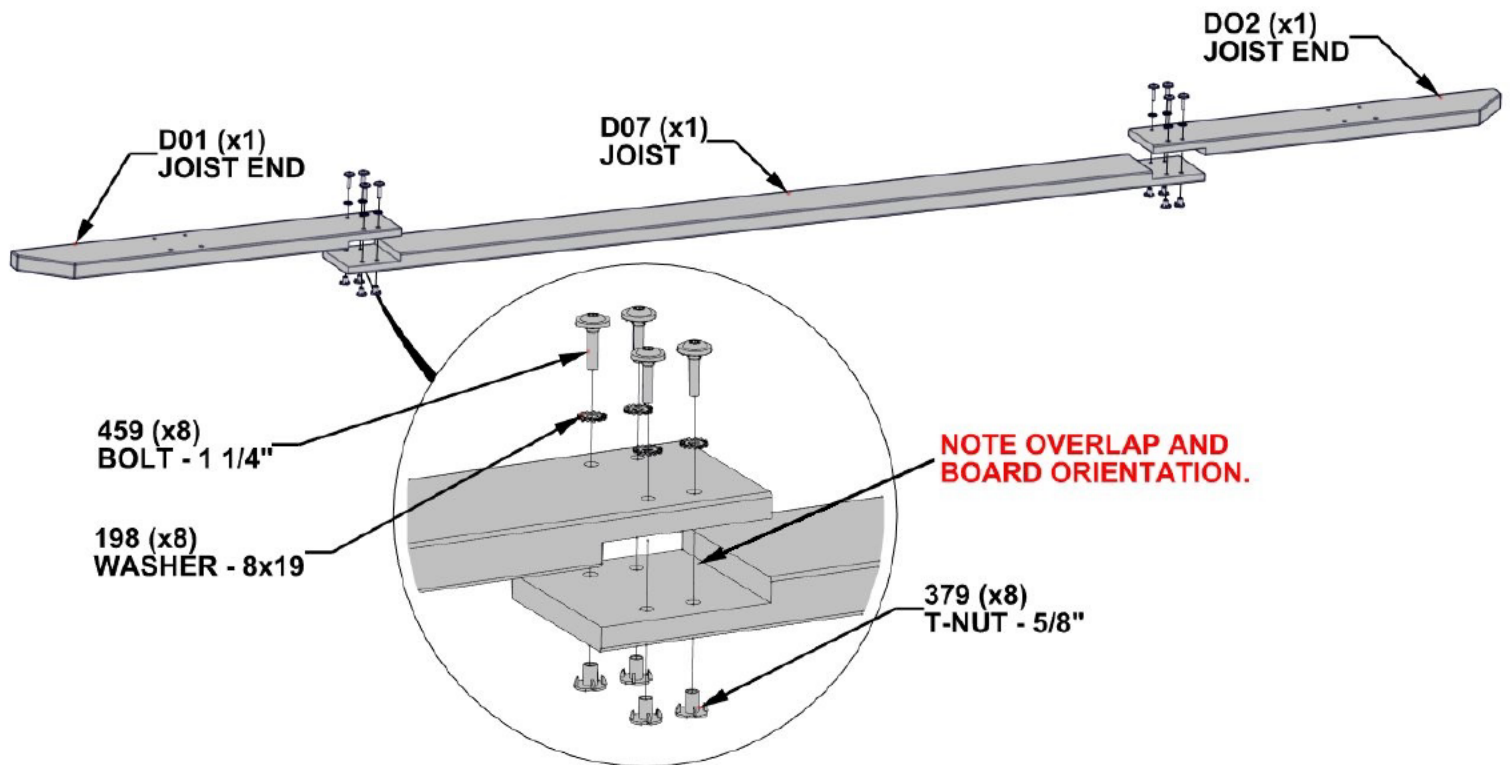


**H100198** WASHER LOCK  
(16) EXT BLK 8x19



**H100379** T-NUT BLK  
(16) 5/16x5/8

**COMPLETE THIS STEP TWICE.**



## STEP 8 - PERGOLA ASSEMBLY

**P01 | POST - W2A03241**  
(2) 6"x6"x89 1/2" (152x152x2274)

**P02 | POST - W2A03242**  
(2) 6"x6"x89 1/2" (152x152x2274)

(2) **OUTER JOIST ASSEMBLY - FROM PREVIOUS STEPS**

(2) **INNER JOIST ASSEMBLY - FROM PREVIOUS STEPS**

**H101058 | BOLT WH BLK**  
(16) 5/16x8 3/4

**H100792 | LAG SCREW WH BLK**  
(4) 1/4x3

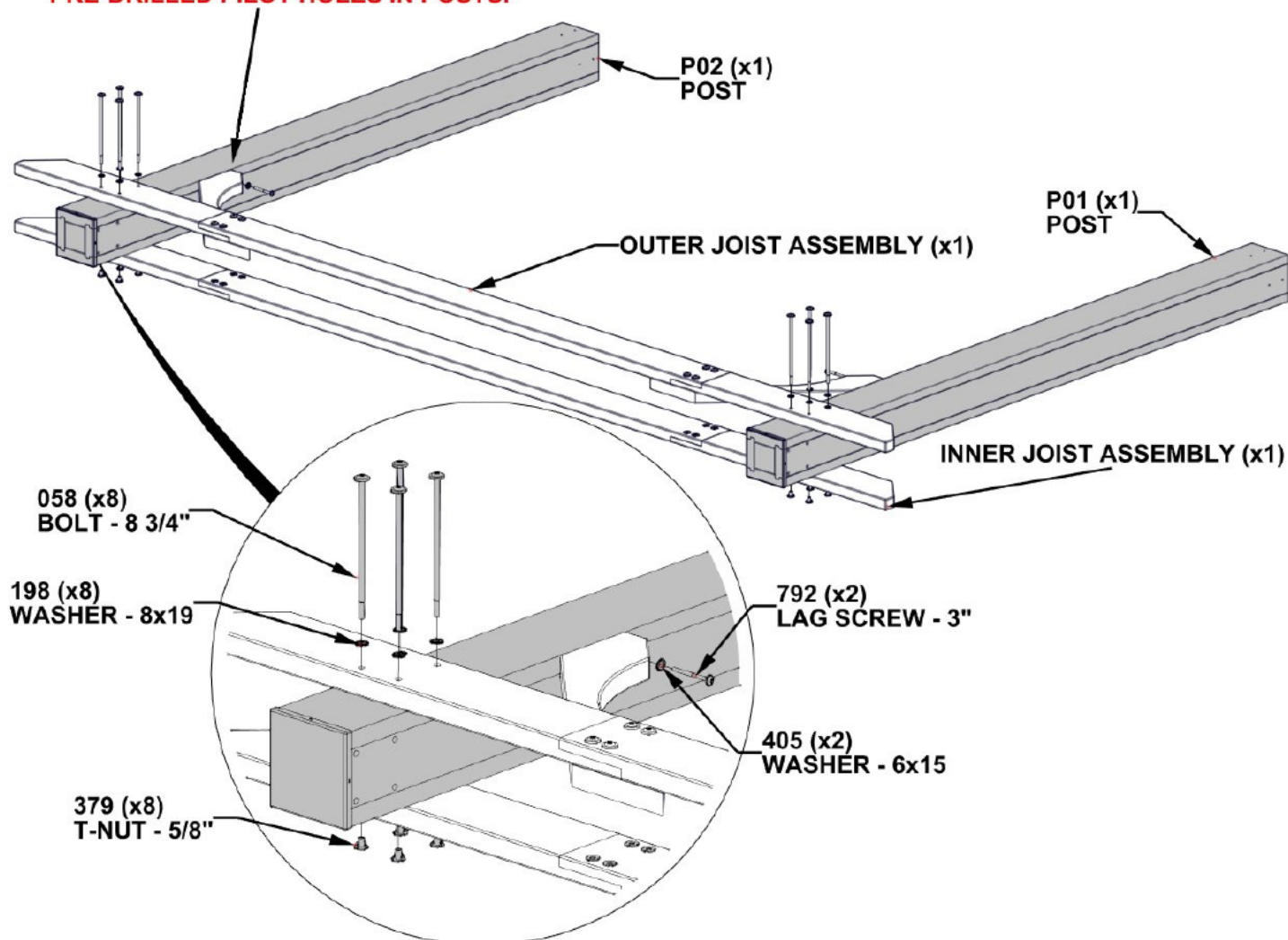
**H100405 | WASHER LOCK**  
(4) EXT BLK 6x15

**H100198 | WASHER LOCK**  
(16) EXT BLK 8x19

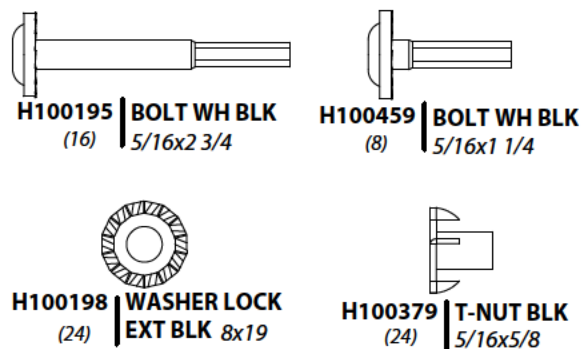
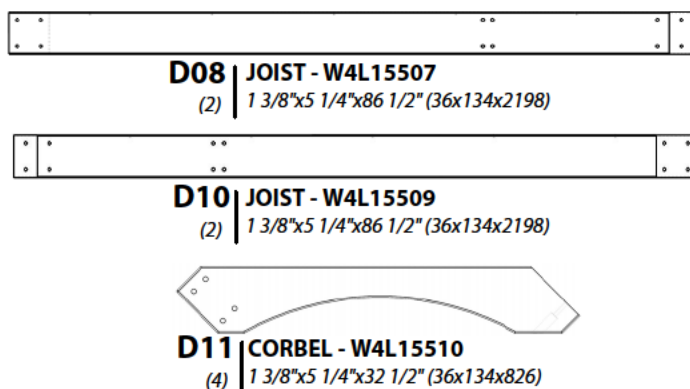
**H100379 | T-NUT BLK**  
(16) 5/16x5/8

**COMPLETE THIS STEP TWICE.**

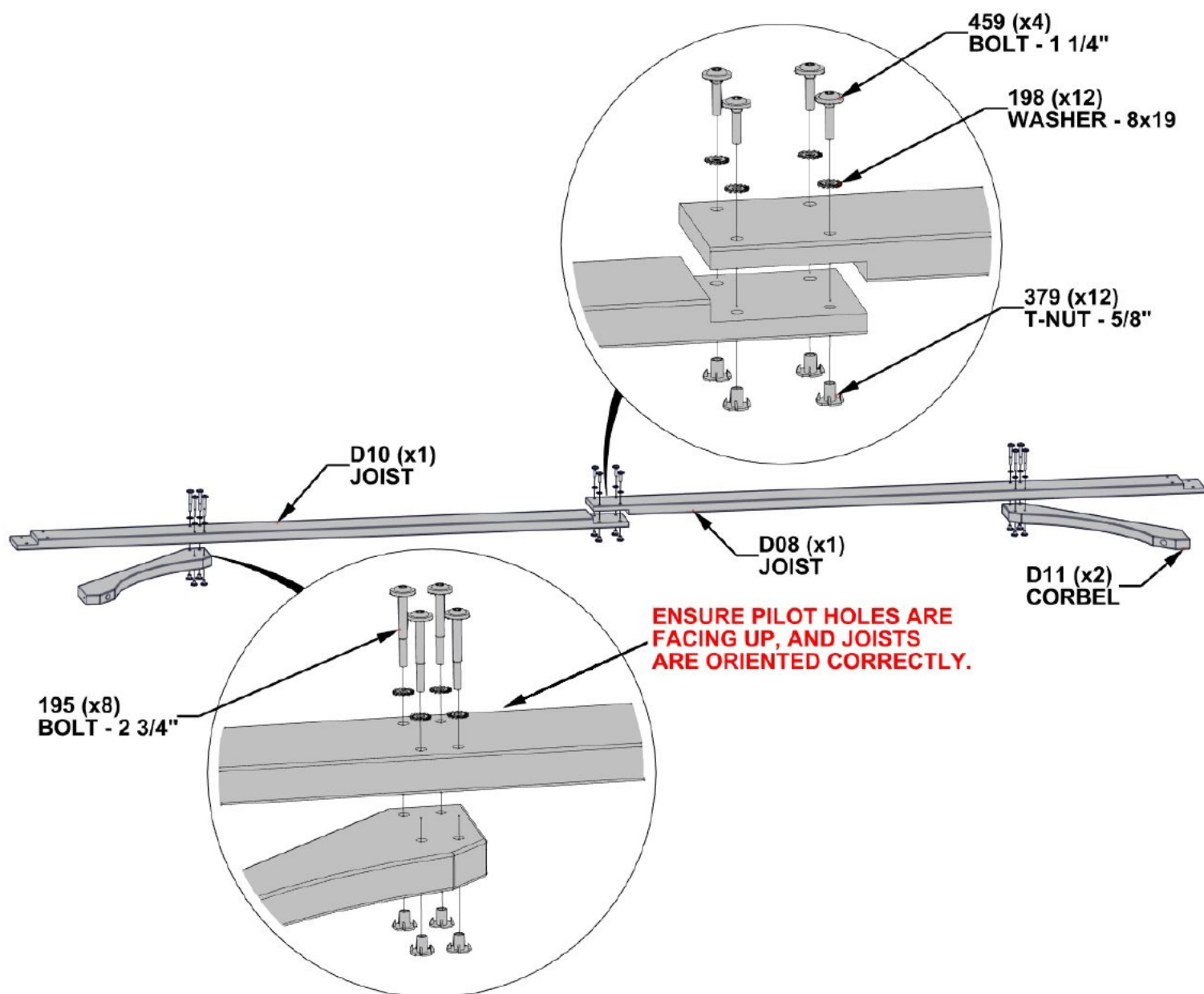
**ASSEMBLE AS SHOWN USING THE PRE-DRILLED PILOT HOLES IN POSTS.**



## STEP 9 - PERGOLA ASSEMBLY



**COMPLETE THIS STEP TWICE.**



# STEP 10 - PERGOLA ASSEMBLY

## D05 JOIST END - W4L15504

(2) 1 3/8"x5 1/4"x56 3/8" (36x134x1431)

## D06 JOIST END - W4L15505

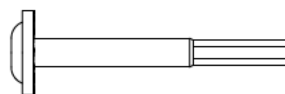
(2) 1 3/8"x5 1/4"x56 3/8" (36x134x1431)

## D09 JOIST - W4L15508

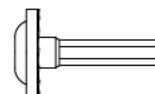
(2) 1 3/8"x5 1/4"x89 1/2" (36x134x2274)

## D11 CORBEL - W4L15510

(4) 1 3/8"x5 1/4"x32 1/2" (36x134x826)



H100195 BOLT WH BLK  
(16) 5/16x2 3/4



H100459 BOLT WH BLK  
(16) 5/16x1 1/4

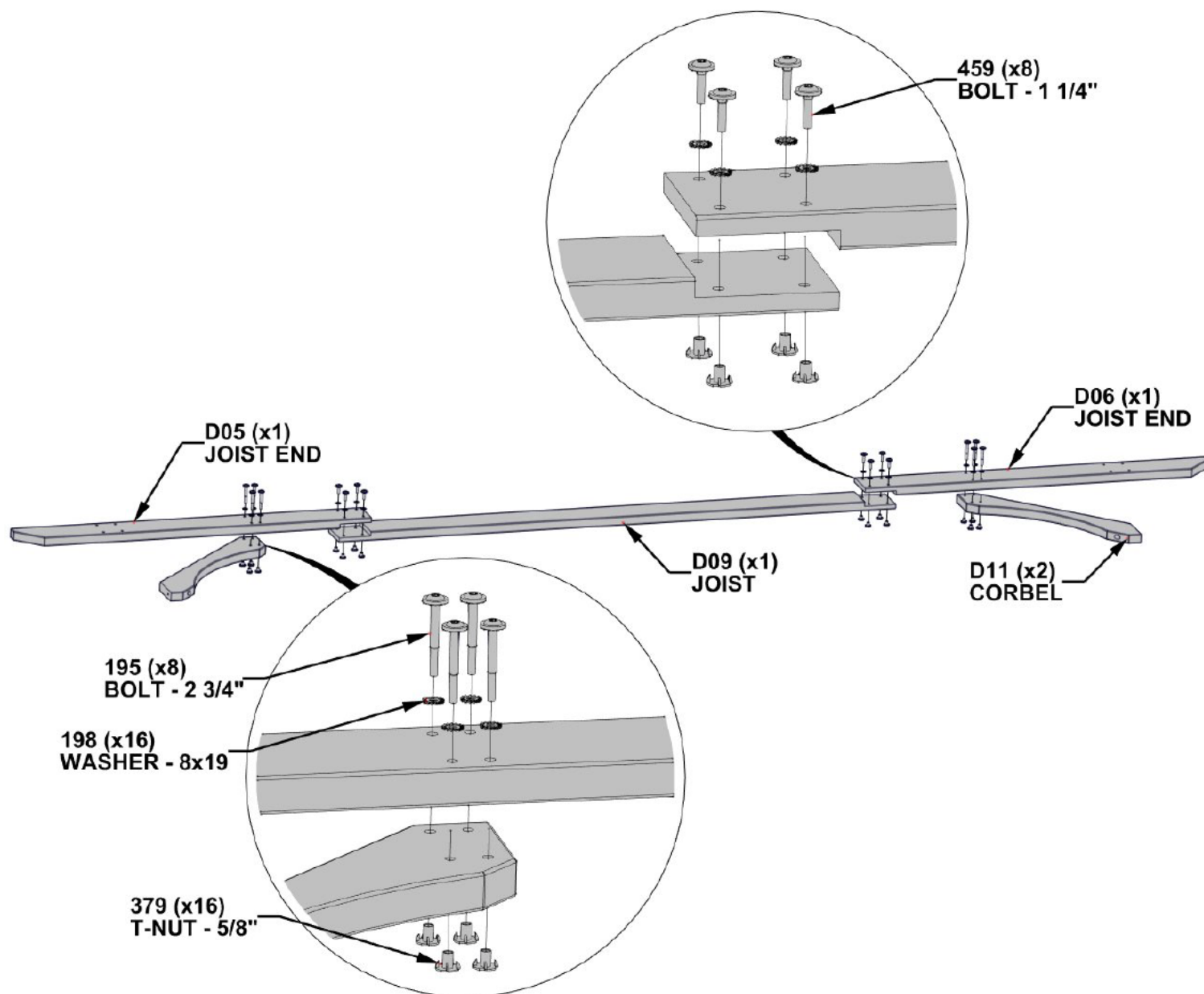


H100198 WASHER LOCK  
(32) EXT BLK 8x19



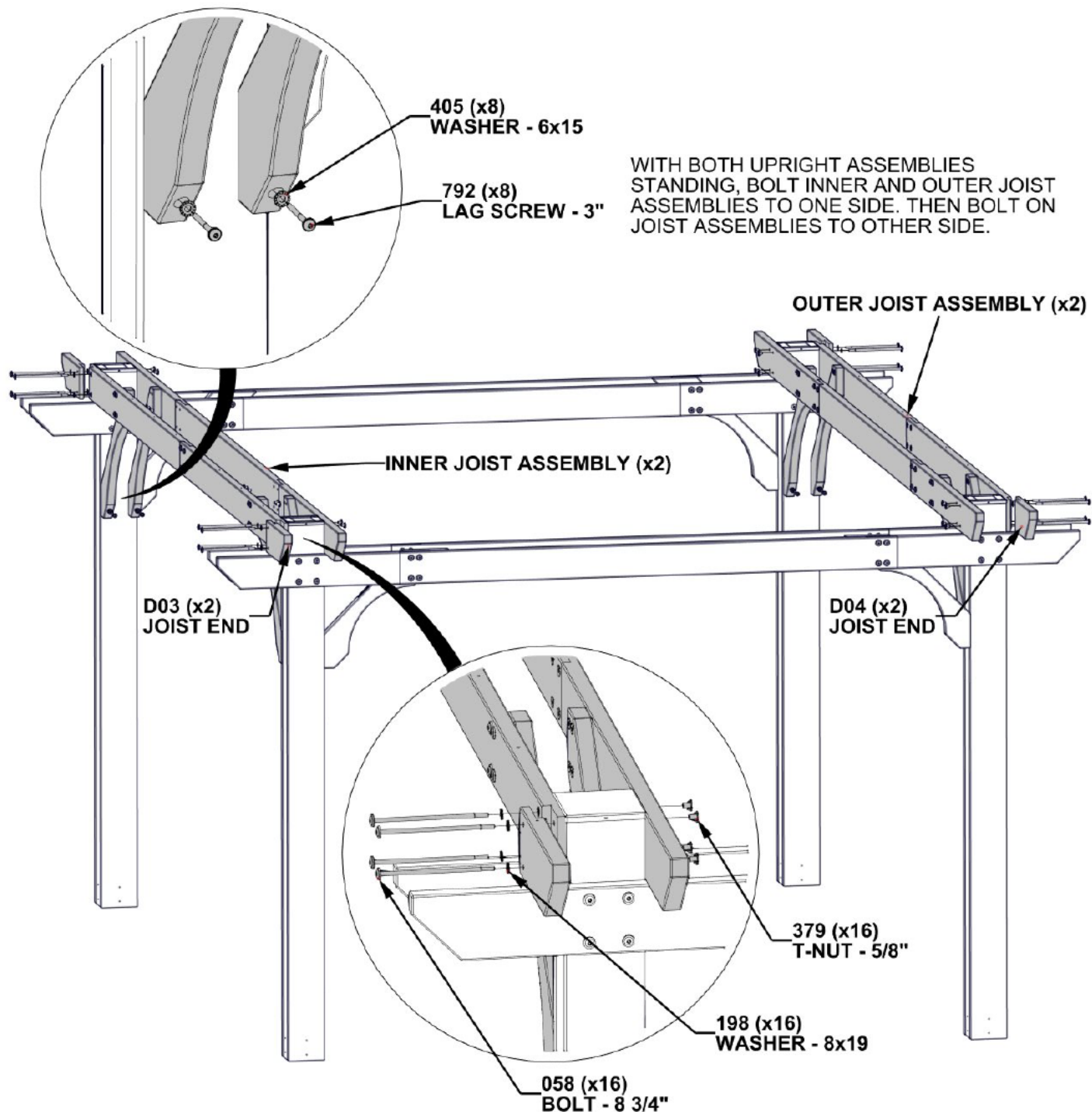
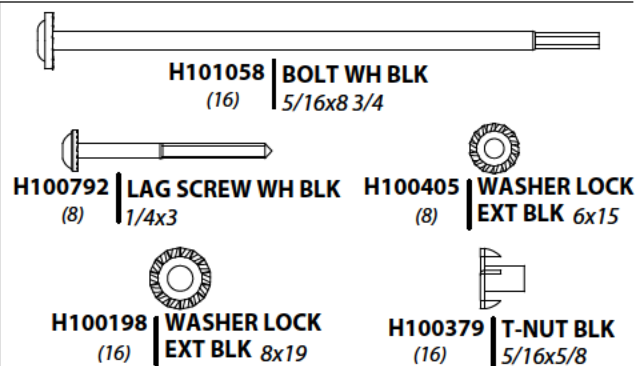
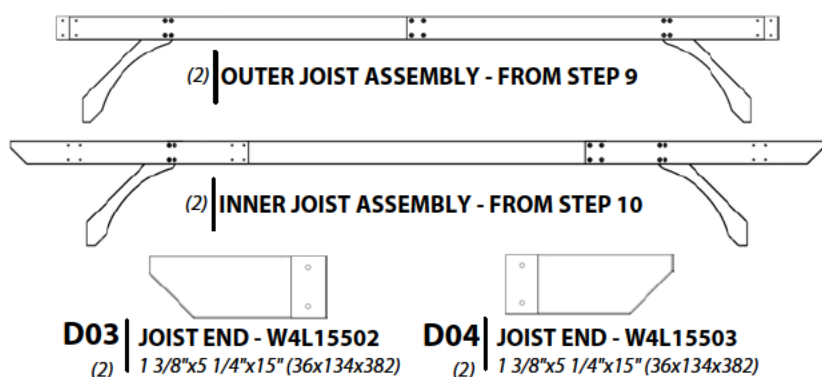
H100379 T-NUT BLK  
(32) 5/16x5/8

**COMPLETE THIS STEP TWICE.**





# STEP 11 - PERGOLA ASSEMBLY



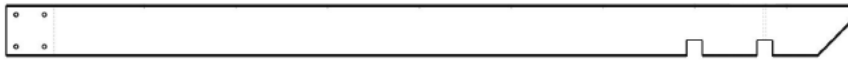
SQUARE UP ALL POSTS TO JOISTS AND FULLY TIGHTEN ALL BOLTS AND SCREWS.

NOTE: A THIRD PERSON IS HELPFUL FOR THIS STEP.

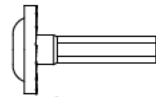
# STEP 12 - PERGOLA ASSEMBLY



**D14** | SLOTTED JOIST - W4L15515  
(10) 1 3/8"x5 1/4"x55 3/4" (36x134x1416)



**D15** | SLOTTED JOIST - W4L15517  
(10) 1 3/8"x5 1/4"x89 1/2" (36x134x2274)



**H100459** | BOLT WH BLK  
(40) 5/16x1 1/4

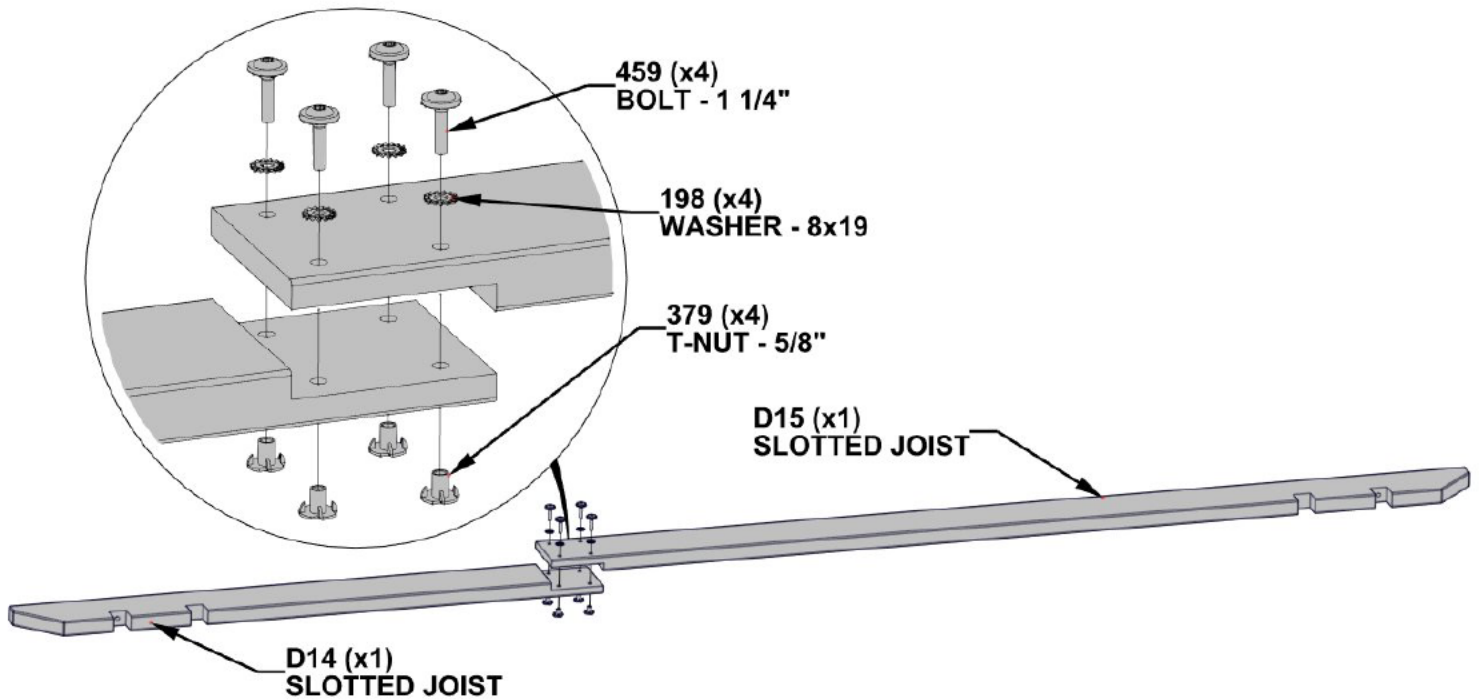


**H100198** | WASHER LOCK  
(40) EXT BLK 8x19

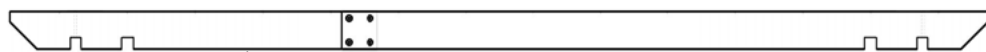


**H100379** | T-NUT BLK  
(40) 5/16x5/8

**COMPLETE THIS STEP TEN TIMES.**



## STEP 13 - PERGOLA ASSEMBLY



(10) SLOTTED JOIST ASSEMBLY - FROM PREVIOUS STEPS

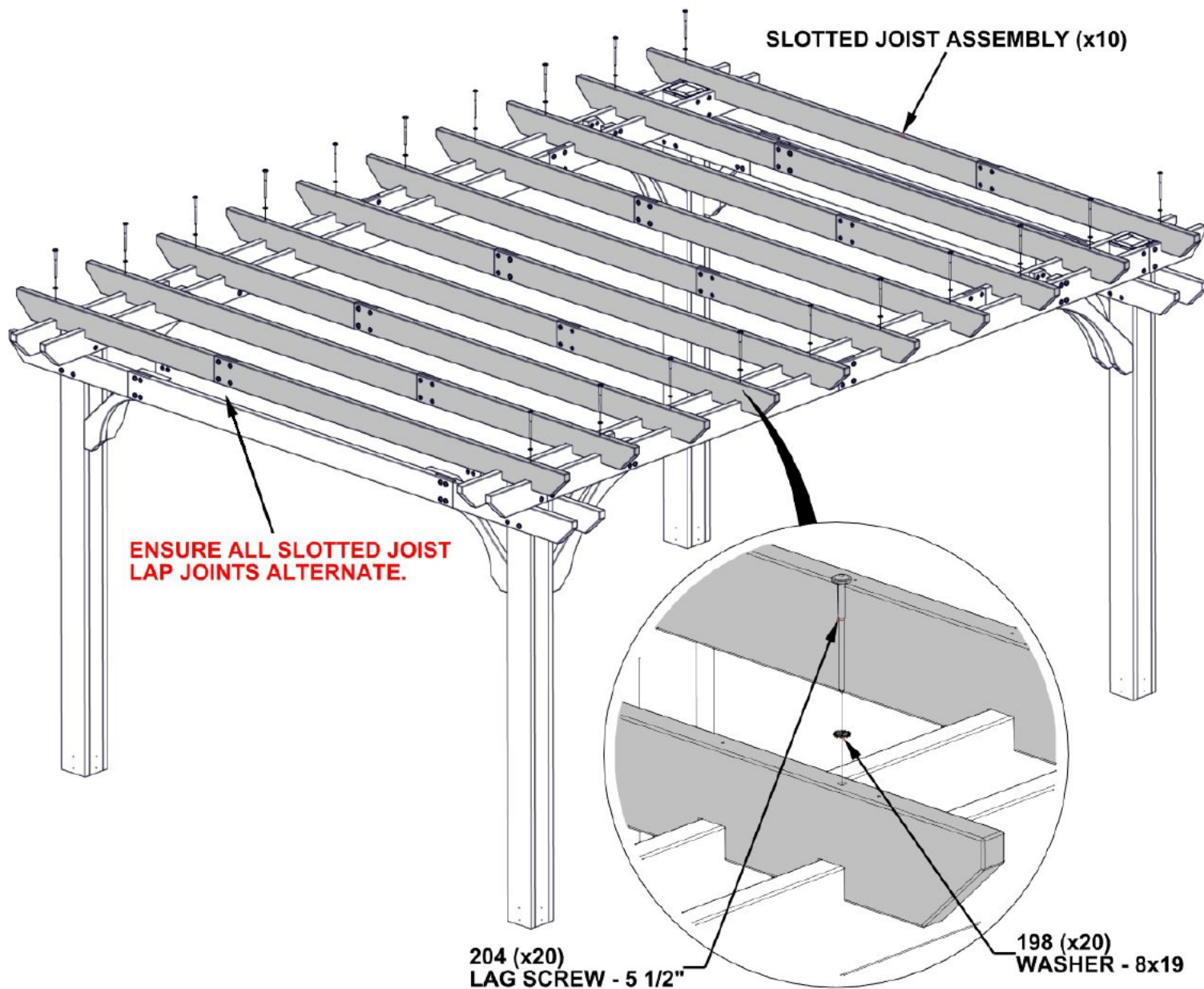


H100204 LAG SCREW WH BLK  
(20) 5/16x5 1/2



H100198 WASHER LOCK  
(20) EXT BLK 8x19

**ATTACH SLOTTED JOIST ASSEMBLIES USING  
PILOT HOLES IN OUTER JOIST ASSEMBLY.**





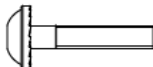
# STEP 14 - PERGOLA ASSEMBLY



**P10** | PURLIN END - W4L15511  
(28) | 1 3/8"x1 3/8"x62 7/8" (36x36x1598)



**P11** | PURLIN - W4L15512  
(14) | 1 3/8"x1 3/8"x57 7/8" (36x36x1470)



**H100397** | BOLT WH BLK  
(28) | 1/4x1 1/4

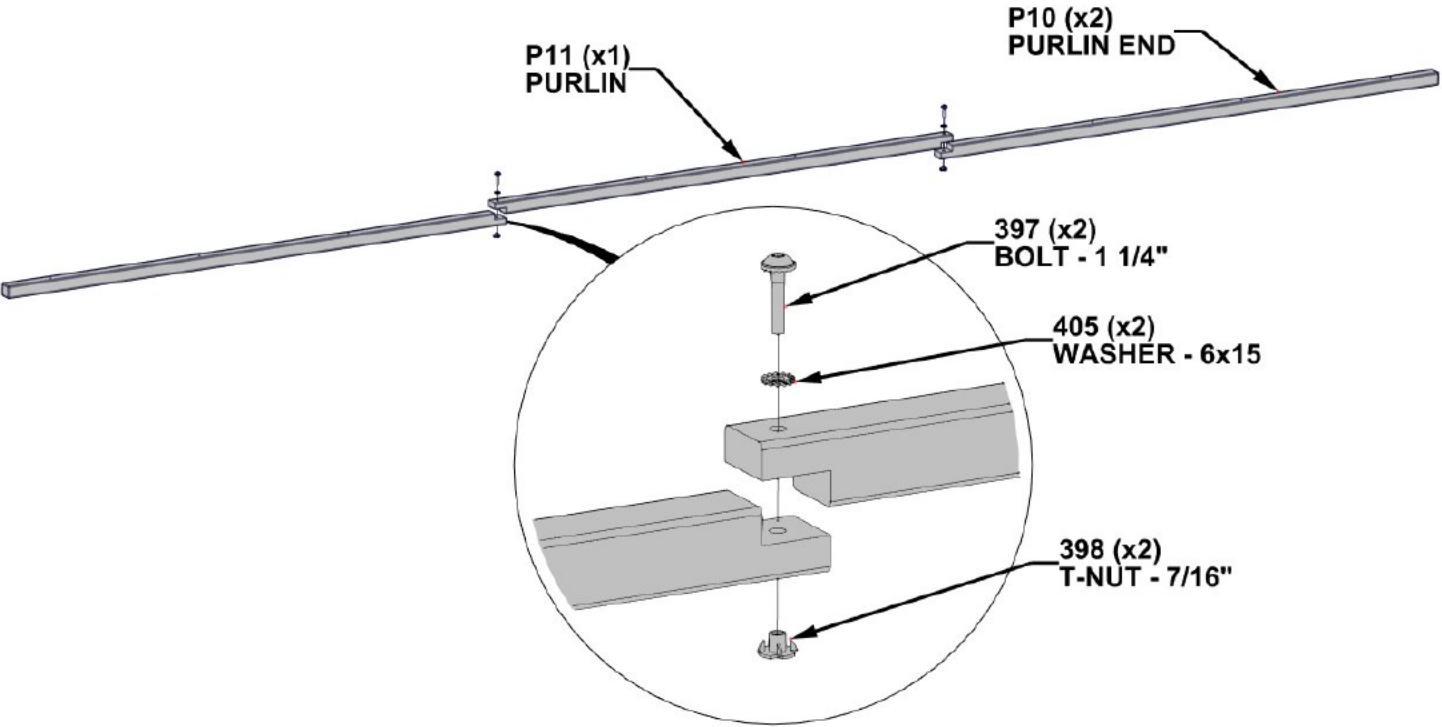


**H100405** | WASHER LOCK  
(28) | EXT BLK 6x15

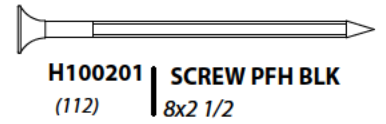


**H100398** | T-NUT BLK  
(28) | 1/4x7/16

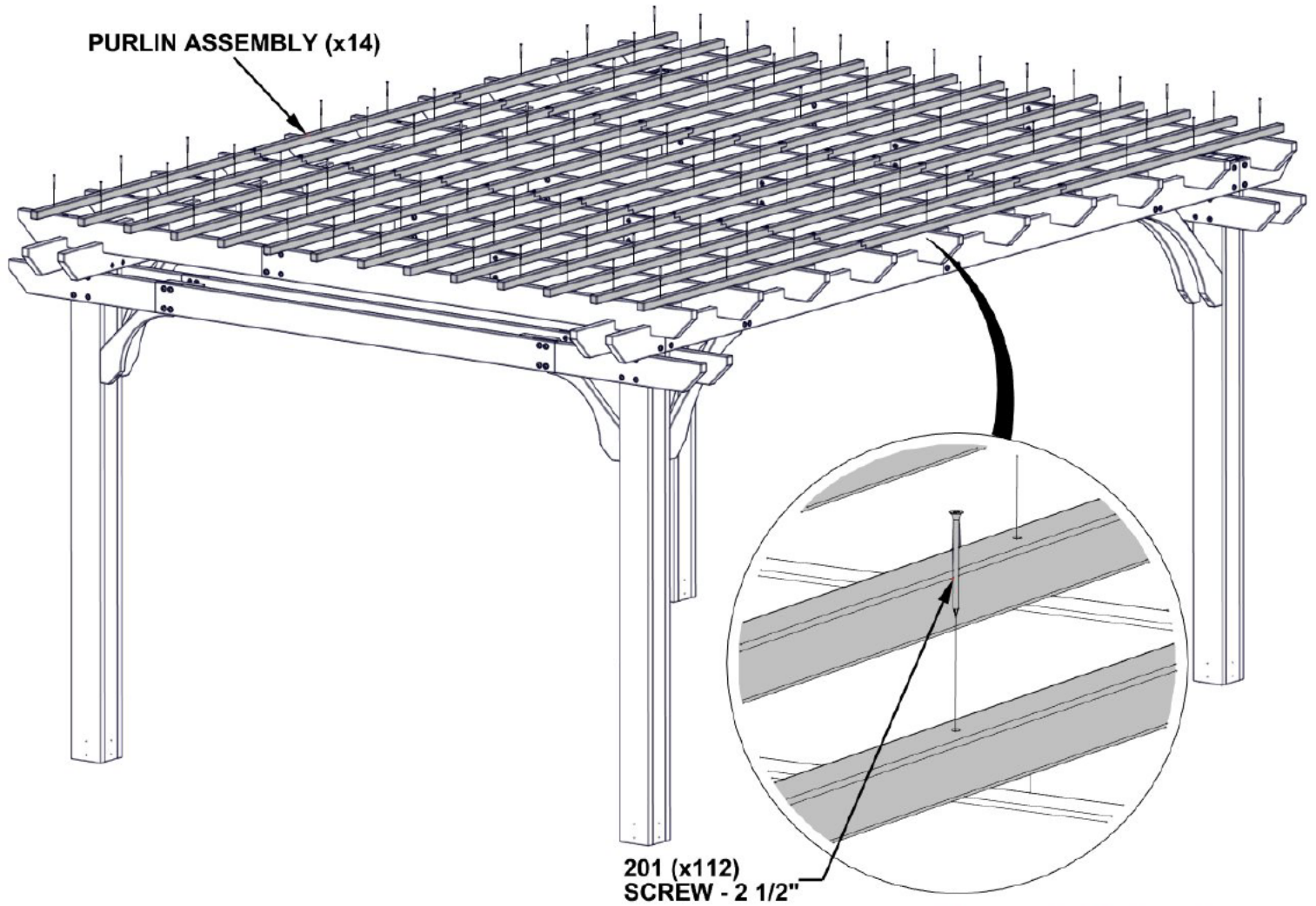
**COMPLETE THIS STEP FOURTEEN TIMES.**



## STEP 15 - PERGOLA ASSEMBLY

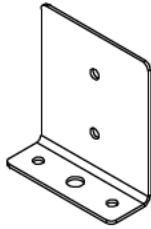


**WHEN LIFTING UP EACH PURLIN ASSEMBLY ENSURE THAT JOINTS ARE SUPPORTED AND PURLIN IS KEPT LEVEL.**

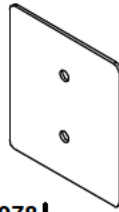


**ATTACH PURLIN ASSEMBLIES USING PILOT HOLES IN SLOTTED JOIST ASSEMBLIES.**

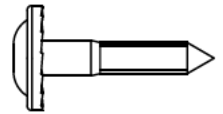
# STEP 16 - PERGOLA ASSEMBLY



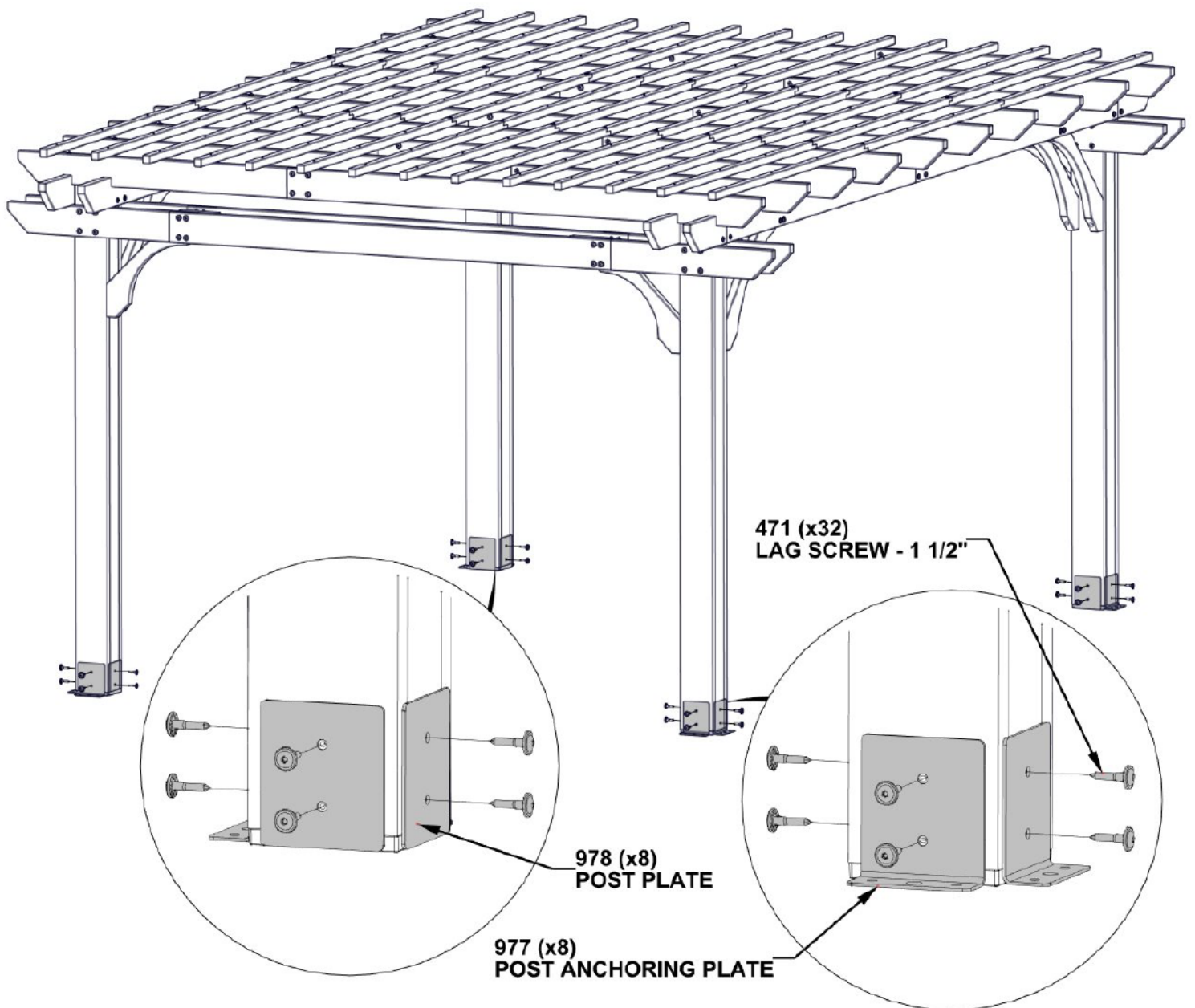
**A4M00977**  
(8) **POST ANCHORING PLATE**



**A4M00978**  
(8) **POST PLATE**



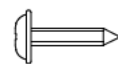
**H100471**  
(32) **LAG SCREW WH BLK**  
5/16x1 1/2



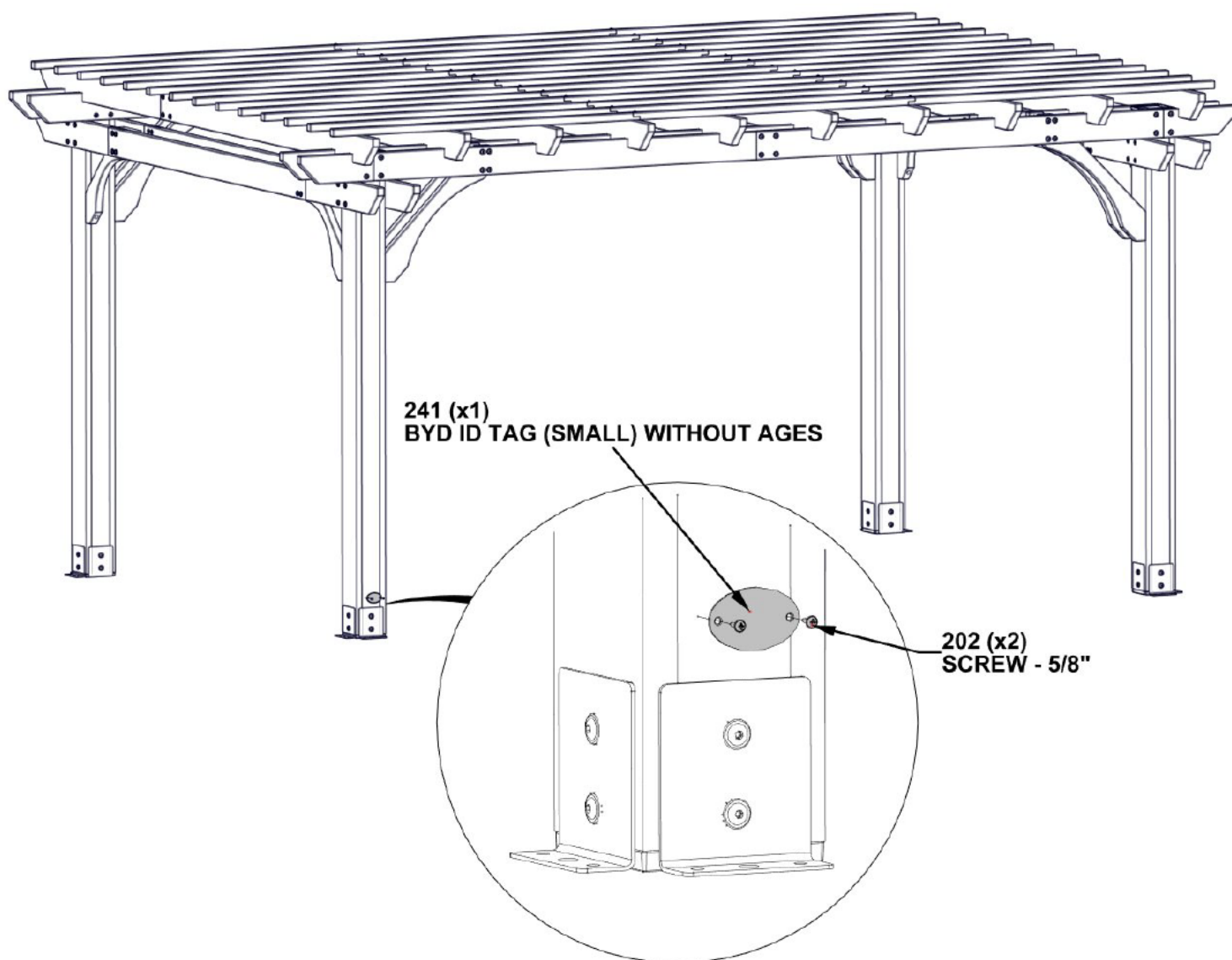
# STEP 17 - PERGOLA ASSEMBLY



**A100241** | **BYD ID TAG**  
(1) | **(SMALL)**  
| **WITHOUT AGES**

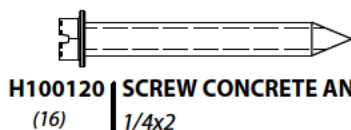


**H100202** | **SCREW PWH BLK**  
(2) | **8x5/8**



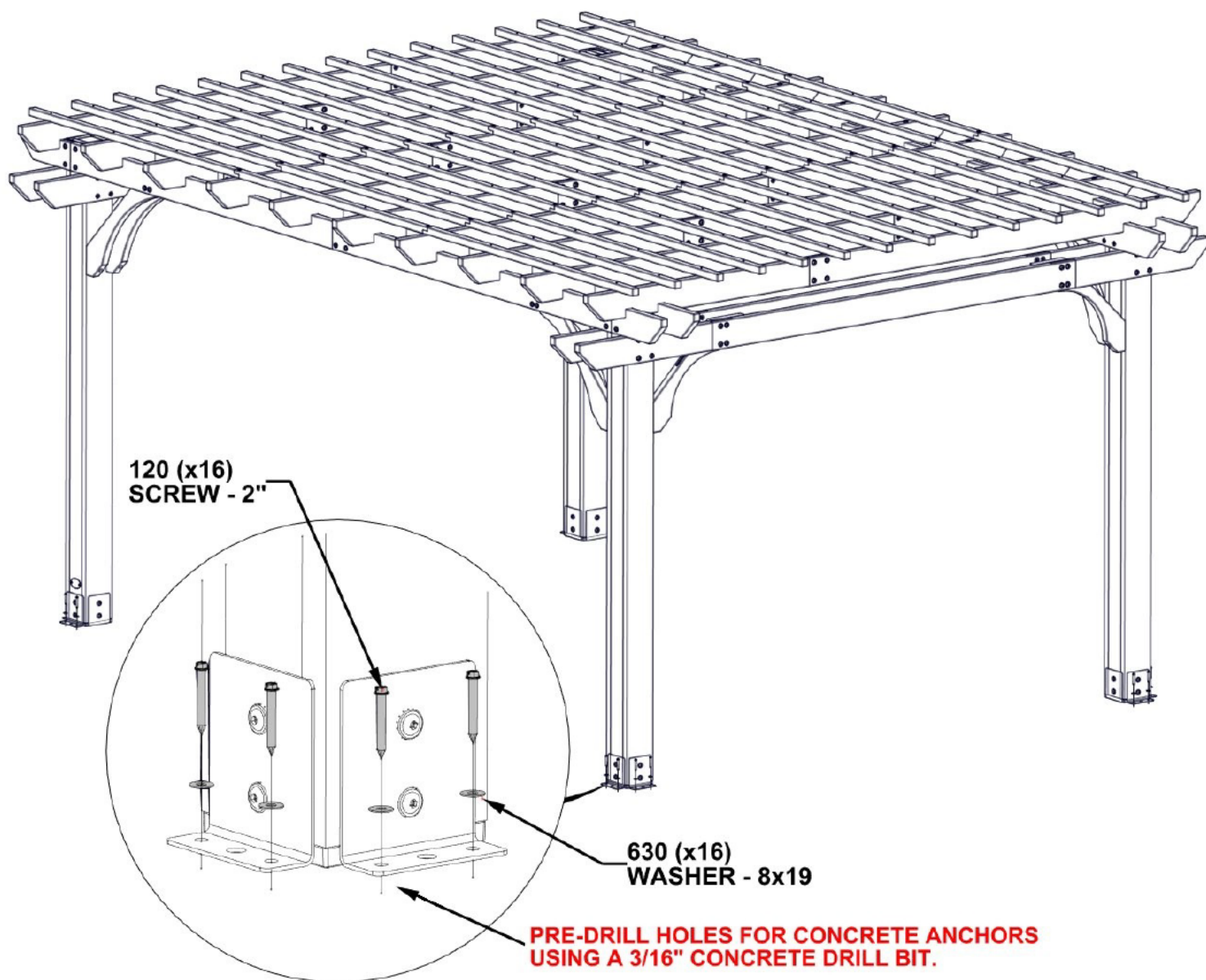


## STEP 18 - PERGOLA ASSEMBLY

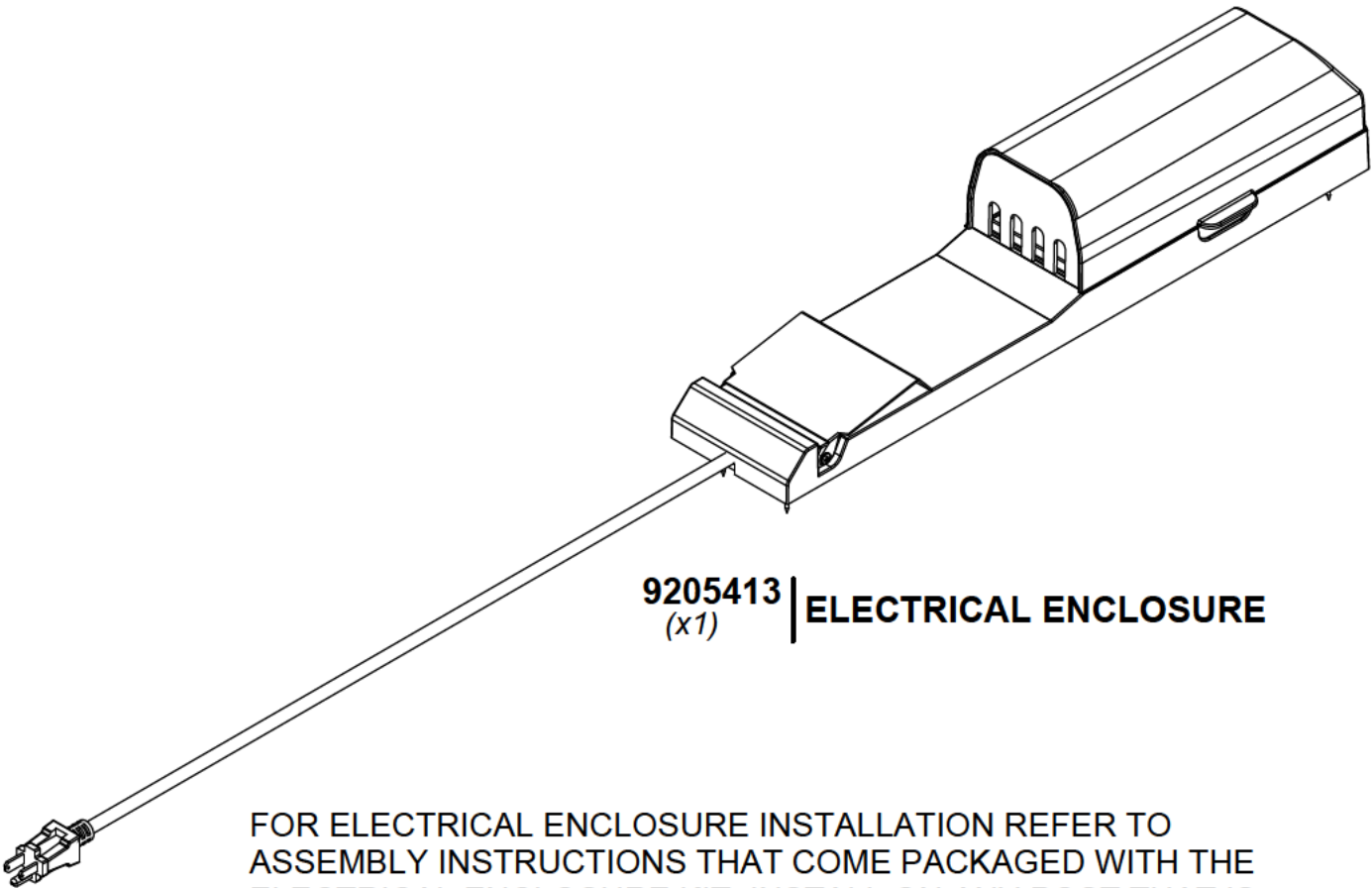


**MANUFACTURER RECOMMENDS INSTALLATION ON CONCRETE SURFACE OR CONCRETE POST PAD AS SHOWN BELOW.**

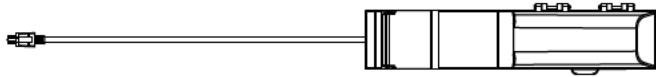
**FOR INSTALLATION ON WOOD DECKS, YOU MUST ENSURE THERE IS AMPLE STRUCTURAL SUPPORT UNDER THE DECK. HARDWARE NOT INCLUDED FOR DECK ATTACHMENT.**



# 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.



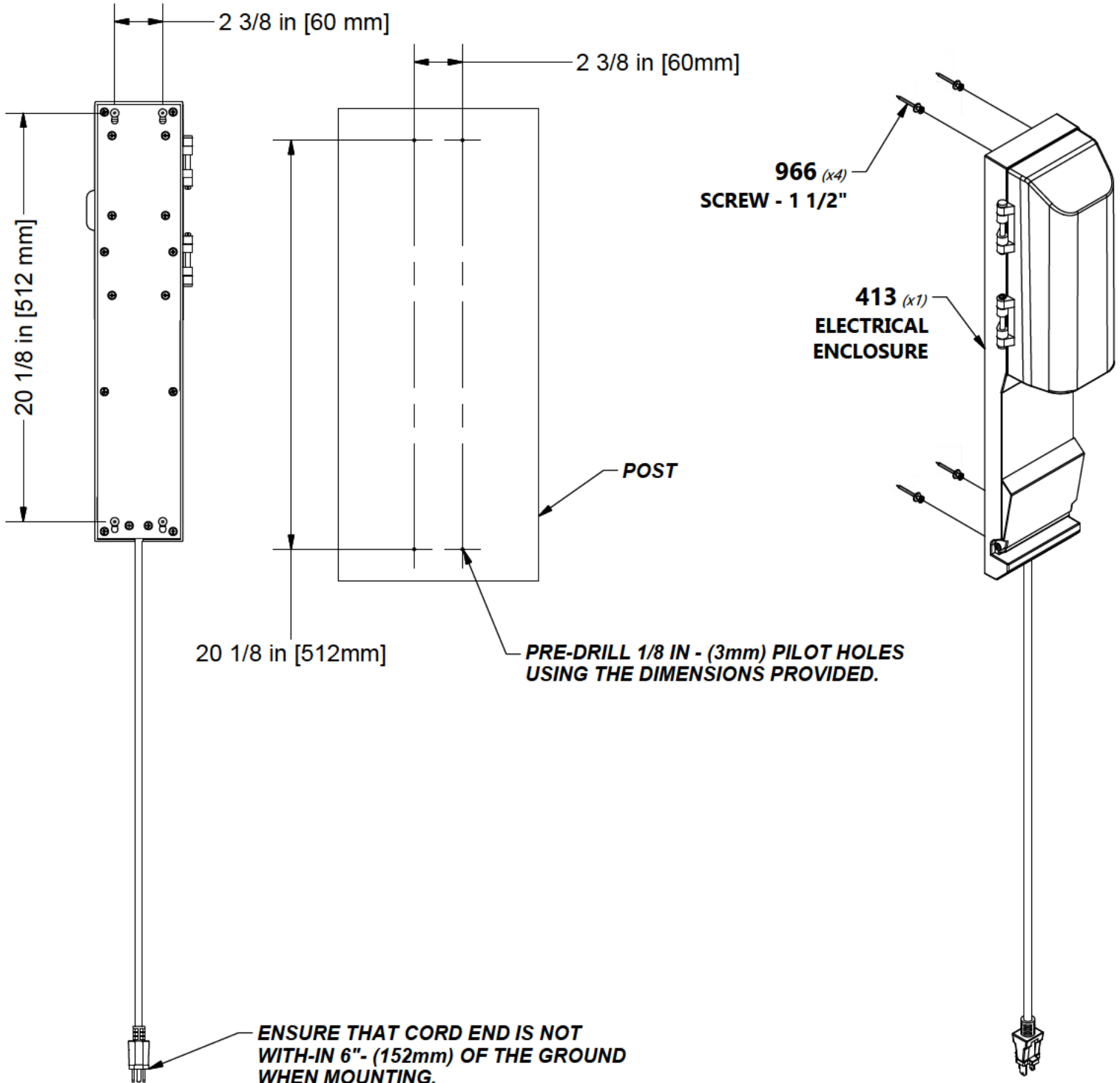
**9205413**  
(x1) **ELECTRICAL ENCLOSURE**



**H100966**  
(x4) **SCREW RAISED HEAD**  
8x1 1/2

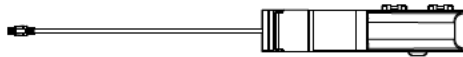


**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)





**A4M01292** | MOUNTING BRACKET  
(x2)

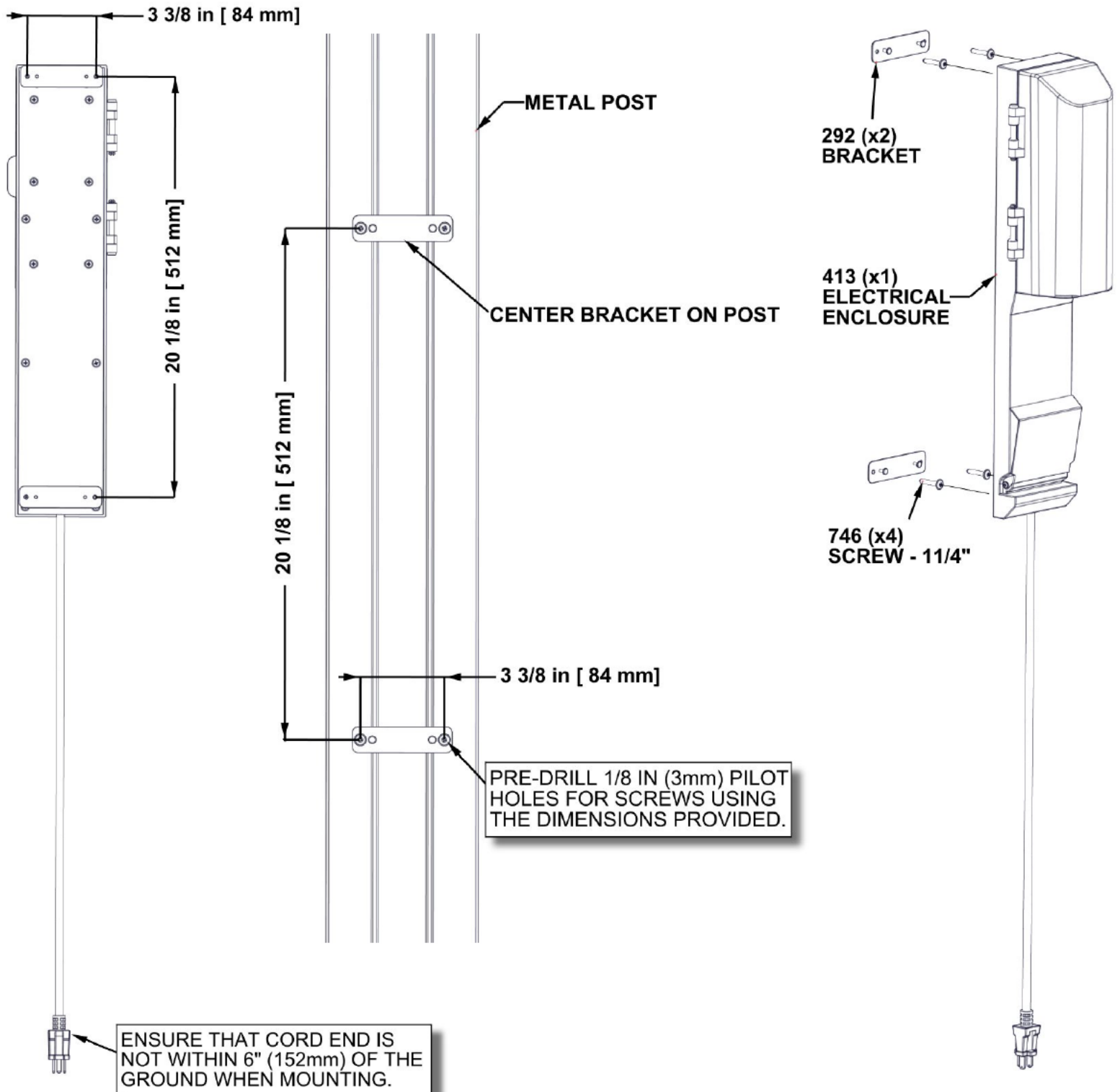


**9205413** | ELECTRICAL ENCLOSURE  
(x1)



**H100746** | SCREW TAPPING  
(x4) 10x1 1/4

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)





## **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.