

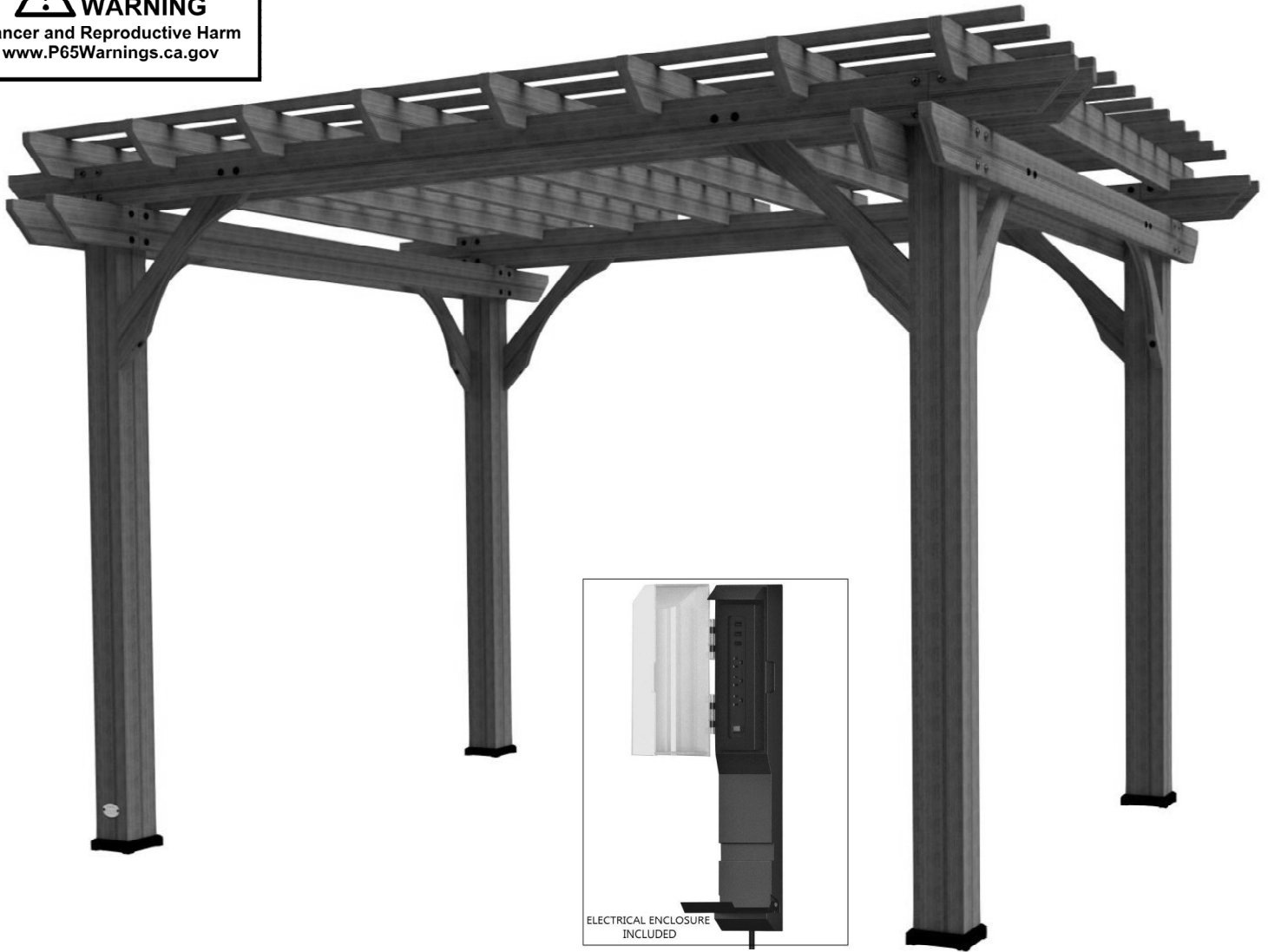


MANUFACTURED BY:  
Backyard Discovery  
3305 Airport Drive, Pittsburg, KS 66762  
800-856-4445

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J.P. Coenstraat 7, The Bridge, The Hague, 2595 WP, Netherlands Phone: 0800-567-8990

# 12X10 BEAUMONT PERGOLA

## MODEL: # 6214D



**Please visit [www.backyarddiscovery.com](http://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](http://www.backyarddiscovery.com)*



**EASY STEP-BY-STEP  
3D INTERACTIVE INSTRUCTIONS**

DOWNLOAD THE FREE APP



# 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

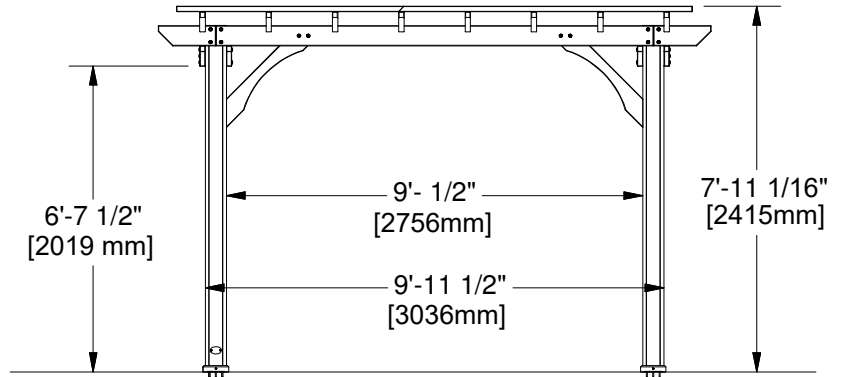
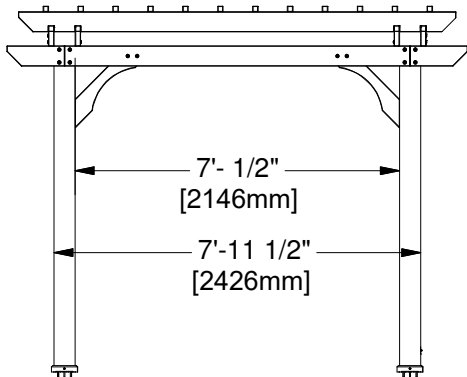
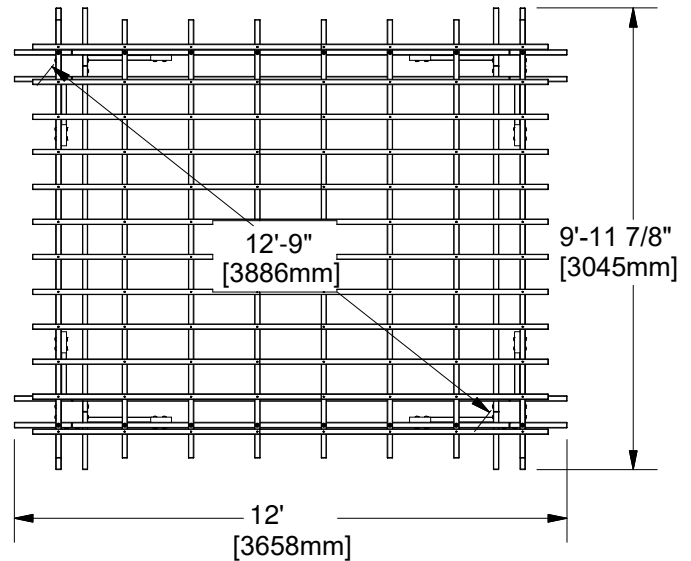
- Pay close attention to the items needed for each step. Make sure you are using the correct hardware for each step. Using incorrect hardware may result in improper assembly
- Remember to double check for underground utilities and overhead electrical lines

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.

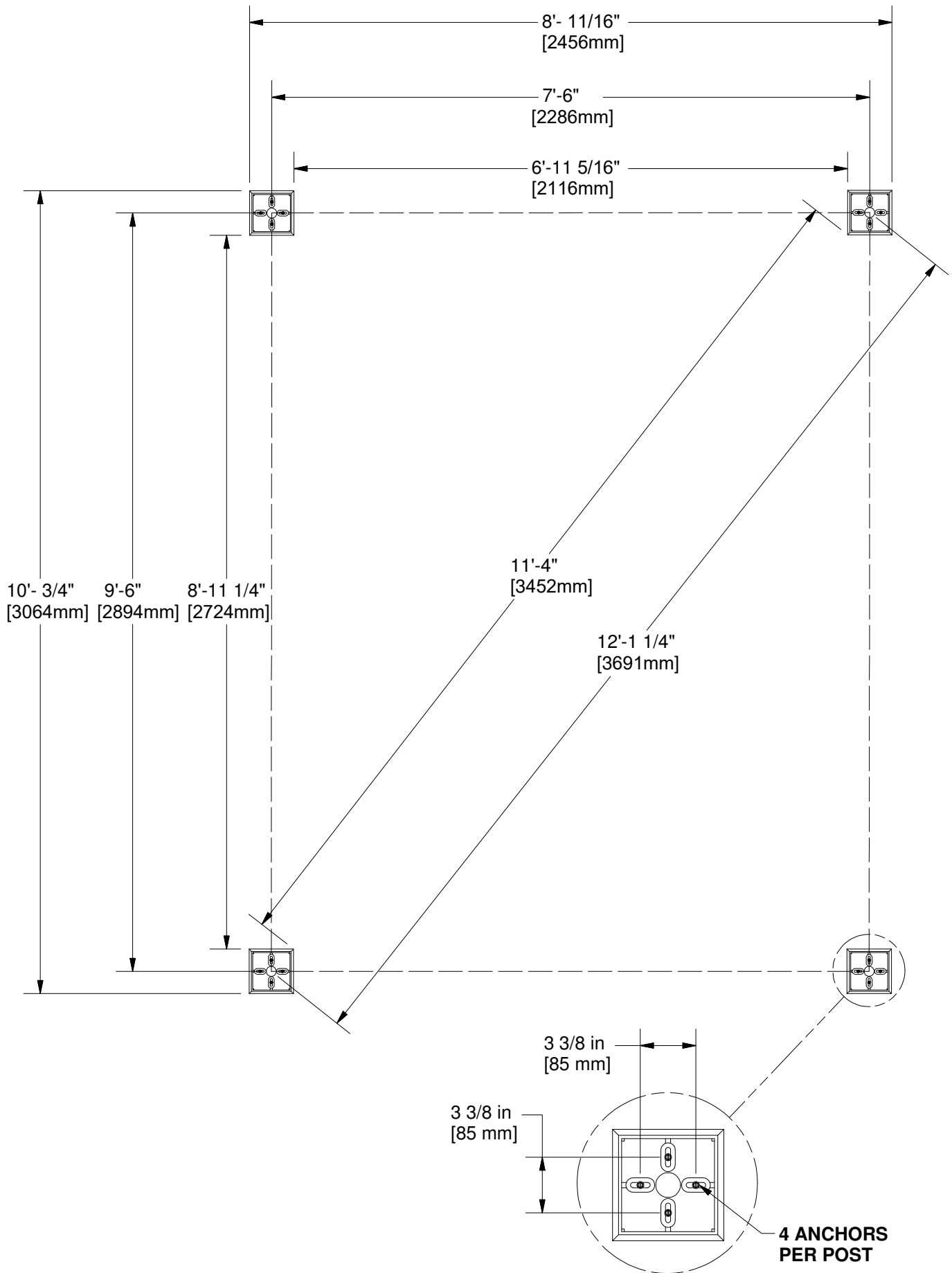
- The hardware to attach the post mounts to the structure is included.
- The hardware to mount the structure permanently to a concrete surface is included.
- The hardware to mount the structure permanently to a wood deck is NOT included and will need to be purchased separately. **You must ensure there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

## 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



# Owner's Manual - Anchoring Layout



# Owner's Manual - Parts Identification

## Wood Components (Not to Scale)



**D1 JOIST - W4L21818**  
(x2) 1 3/8"x5 1/4"x114" (36x134x2896)



**D2 JOIST - W4L21819**  
(x2) 1 3/8"x5 1/4"x114" (36x134x2896)



**D3 SLOTTED JOIST - W4L21786**  
(x8) 1 3/8"x5 1/4"x114" (36x134x2896)



**D4 JOIST - W4L21787**  
(x2) 1 3/8"x5 1/4"x90" (36x134x2286)



**D5 JOIST - W4L21788**  
(x2) 1 3/8"x5 1/4"x90" (36x134x2286)



**D6 JOIST END - W4L21789**  
(x12) 1 3/8"x5 1/4"x15" (36x134x381)



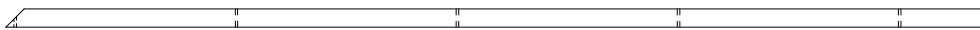
**D7 JOIST END - W4L21790**  
(x4) 1 3/8"x5 1/4"x15" (36x134x381)



**D8 LONG ANGLE BRACE - W4L21825**  
(x4) 1 3/8"x5 1/4"x34 1/4" (36x134x871)



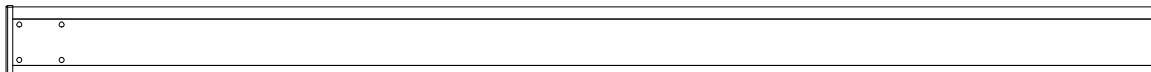
**D9 SHORT ANGLE BRACE - W4L21826**  
(x4) 1 3/8"x5 1/4"x26 7/8" (36x134x683)



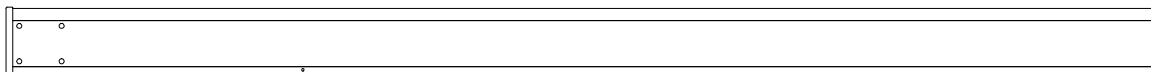
**P1 LONG PURLIN - W4L21827**  
(x12) 1 3/8"x1 3/8"x76 5/8" (36x36x1945)



**P2 SHORT PURLIN - W4L21828**  
(x12) 1 3/8"x1 3/8"x59 1/4" (36x36x1504)



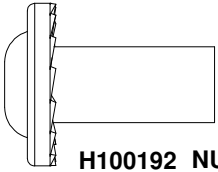
**WP1 PERGOLA POST - W2A04765**  
(x2) 5 1/2"x5 1/2"x89 1/2" (140x140x2273)



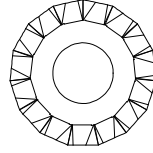
**WP2 PERGOLA POST - W2A04766**  
(x2) 5 1/2"x5 1/2"x89 1/2" (140x140x2273)

# Owner's Manual - Parts Identification

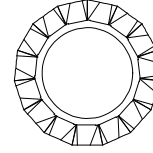
## Hardware Components



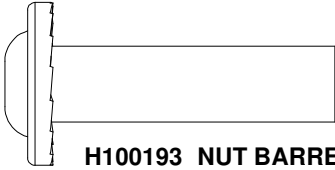
**H100192 NUT BARREL WH**  
(x16) **BLK**  
5/16x7/8



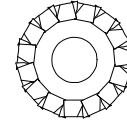
**H100198 WASHER LOCK**  
(x64) **EXT BLK**  
8x19



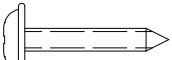
**H100199 WASHER LOCK**  
(x48) **EXT BLK**  
12x19



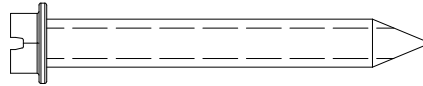
**H100193 NUT BARREL WH**  
(x32) **BLK**  
5/16x1-1/2



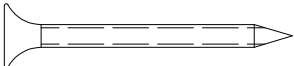
**H100405 WASHER LOCK**  
(x8) **EXT BLK**  
6x15



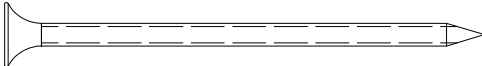
**H100392 SCREW PWH BLK**  
(x4) 8x3/4



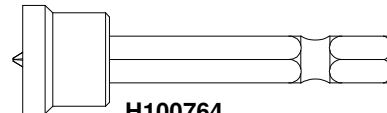
**H100120 SCREW**  
(x16) **CONCRETE**  
**ANCHOR**  
1/4x2



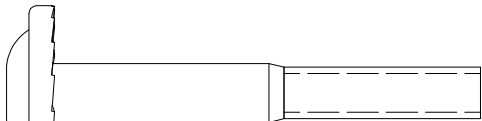
**H100200 SCREW PFH BLK**  
(x16) 8x1 1/2



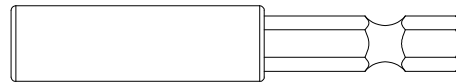
**H100201 SCREW PFH BLK**  
(x96) 8x2-1/2



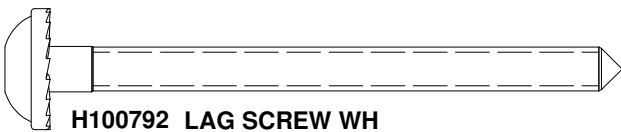
**H100764 SCREW SETTER**  
(x1)



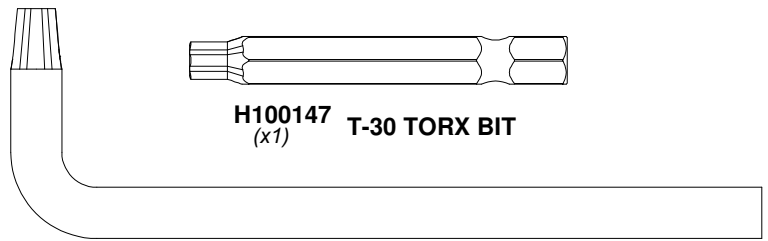
**H100205 BOLT WH BLK**  
(x16) 5/16x2-1/4



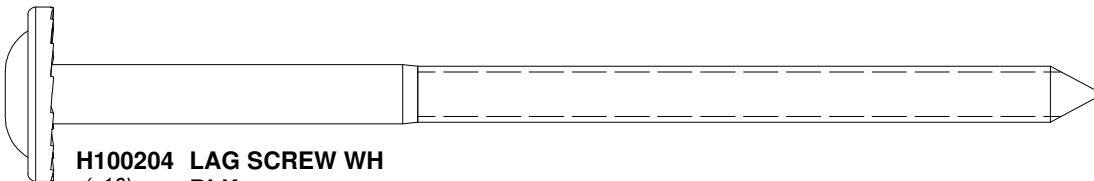
**H101100 MAGNETIC DRIVER**  
(x1)



**H100792 LAG SCREW WH**  
(x8) **BLK**  
1/4x3

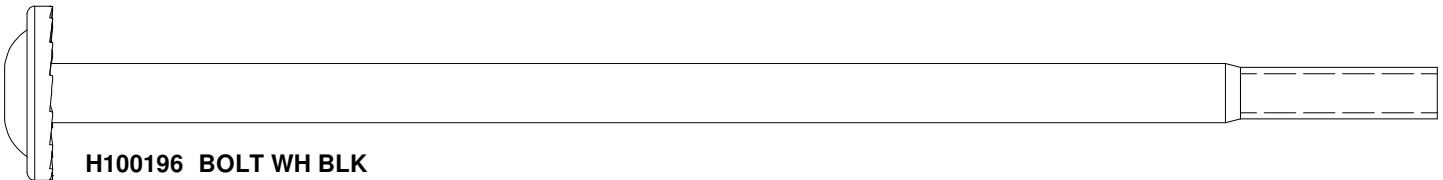


**H100147 T-30 TORX BIT**  
(x1)



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

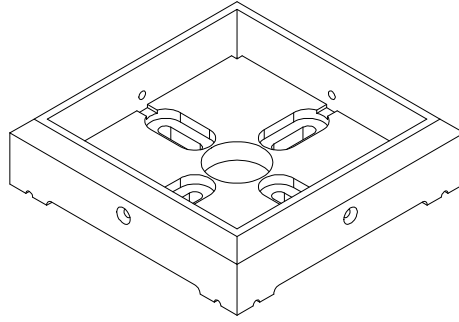
**H100114 T-30 TORX WRENCH**  
(x1)



**H100196 BOLT WH BLK**  
(x32) 5/16x7-1/4

# Owner's Manual - Parts Identification

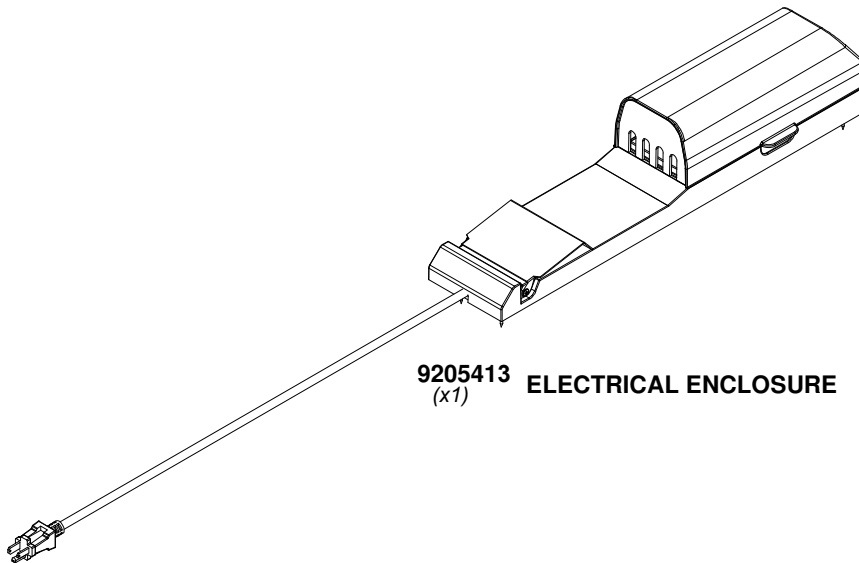
## Accessory Components (Not to Scale)



**A100029**  
*(x4)* FOOT 142 SQUARE POST



**A4M02158**  
*(x1)* BYD ID TAG



**9205413**  
*(x1)* 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.

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## WOOD PARTS:

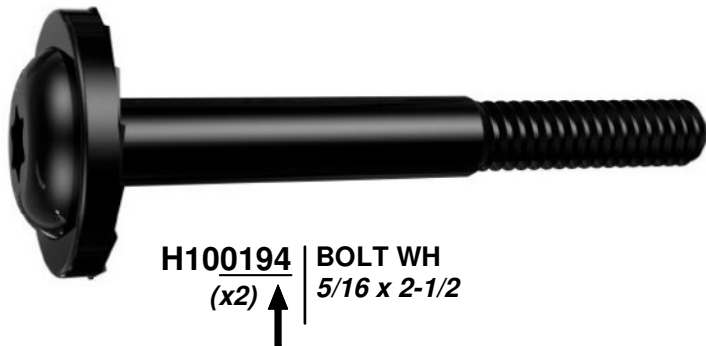
- Organize wood parts by the three-digit, alpha-numeric number stamped on each board (ex. P01).
- If there are multiple boards with the same stamped number, stack those pieces together.
- Stamps can be found on the flat surface of the boards or on the end of the boards.
- Allow yourself plenty of room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



**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" &  
9/16" STD Sockets 1/2" & 9/16" Deep  
Sockets**



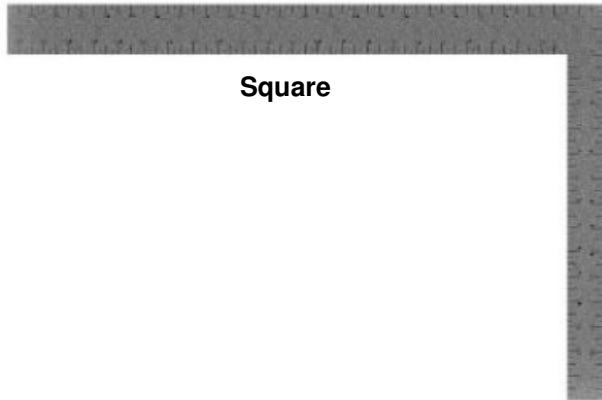
**Claw Hammer**



**Rubber Mallet - Optional**



**Tape Measure**



**Square**





**Level 24"**

# PRE-ASSEMBLY STEP 3 - CHOOSE YOUR ASSEMBLY METHOD

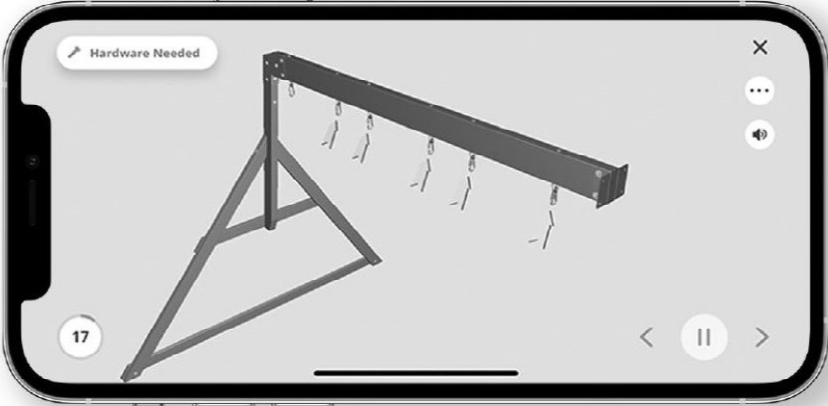


There are several types of assembly instructions available to you.

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)



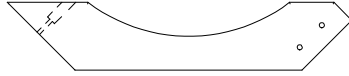
## Scan for easy 3D instructions

Download the BILT app before you begin



The image shows a smartphone screen displaying the BILT app interface. At the top left, there is a tab labeled "Hardware Needed". The main area of the screen shows a 3D perspective view of a metal frame structure with several bolts and nuts being attached to a horizontal beam. In the bottom left corner of the app interface, the number "17" is displayed in a white circle. In the bottom right corner, there are navigation icons: a back arrow, a pause button, and a forward arrow. The entire advertisement is enclosed in a thick grey border.

# STEP 1 - PERGOLA ASSEMBLY



**D9 SHORT ANGLE BRACE - W4L21826**  
 (x4) 1 3/8"x5 1/4"x26 7/8" (36x134x683)

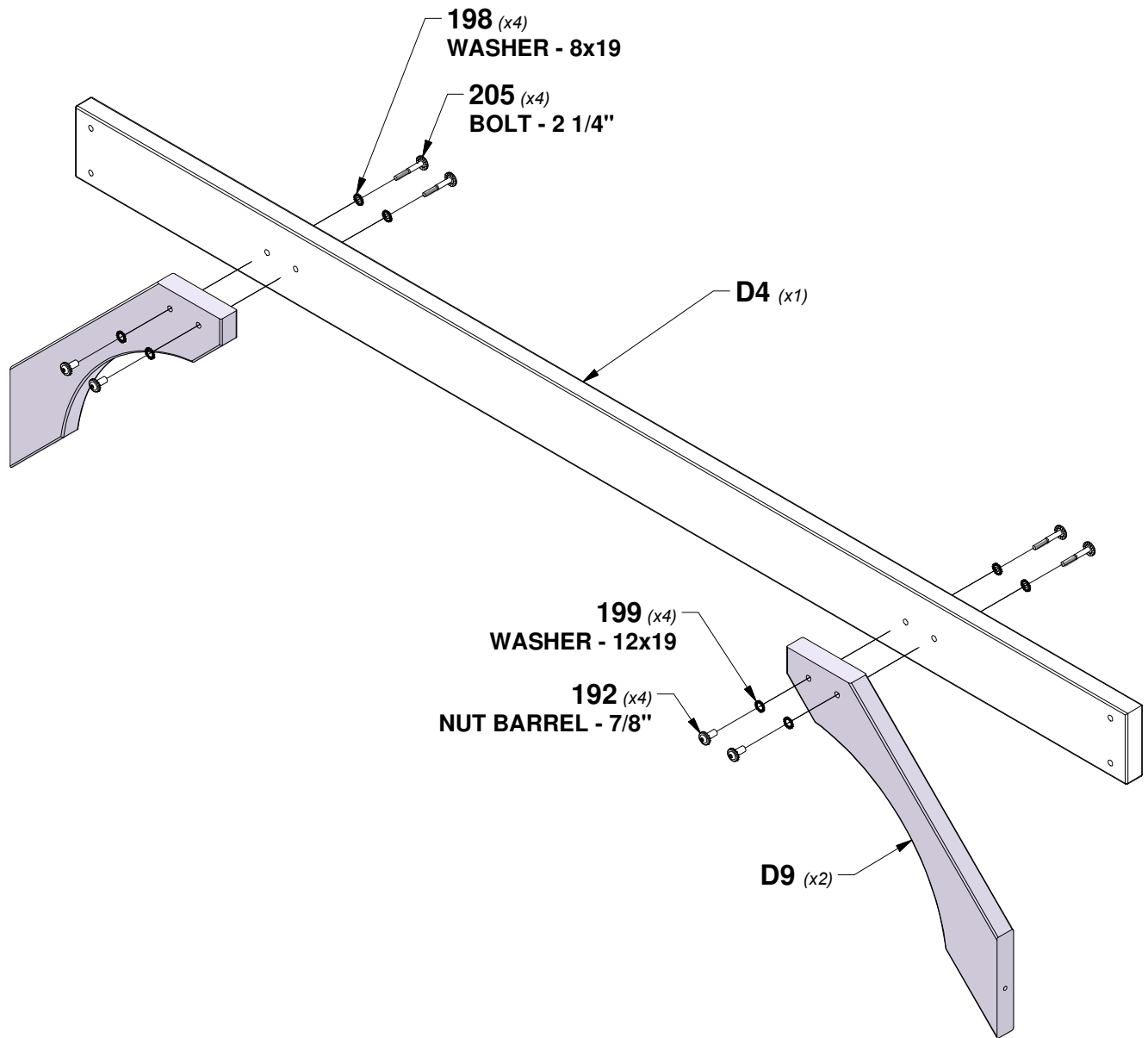
QTY	PART NUMBER	DESCRIPTION
8	H100192	NUT BARREL WH 5/16x7/8 BLK
8	H100198	WASHER LOCK EXT 8x19 BLK
8	H100199	WASHER LOCK EXT 12x19 BLK
8	H100205	BOLT WH 5/16x2-1/4 BLK



**D4 JOIST - W4L21787**  
 (x2) 1 3/8"x5 1/4"x90" (36x134x2286)

**REPEAT PROCESS FOR OPPOSITE SIDE.**

**\*\*\*HAND TIGHTEN ONLY AT THIS TIME.\*\*\***



# STEP 2 - PERGOLA ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
8	H100192	NUT BARREL WH 5/16x7/8 BLK
8	H100198	WASHER LOCK EXT 8x19 BLK
8	H100199	WASHER LOCK EXT 12x19 BLK
8	H100205	BOLT WH 5/16x2-1/4 BLK



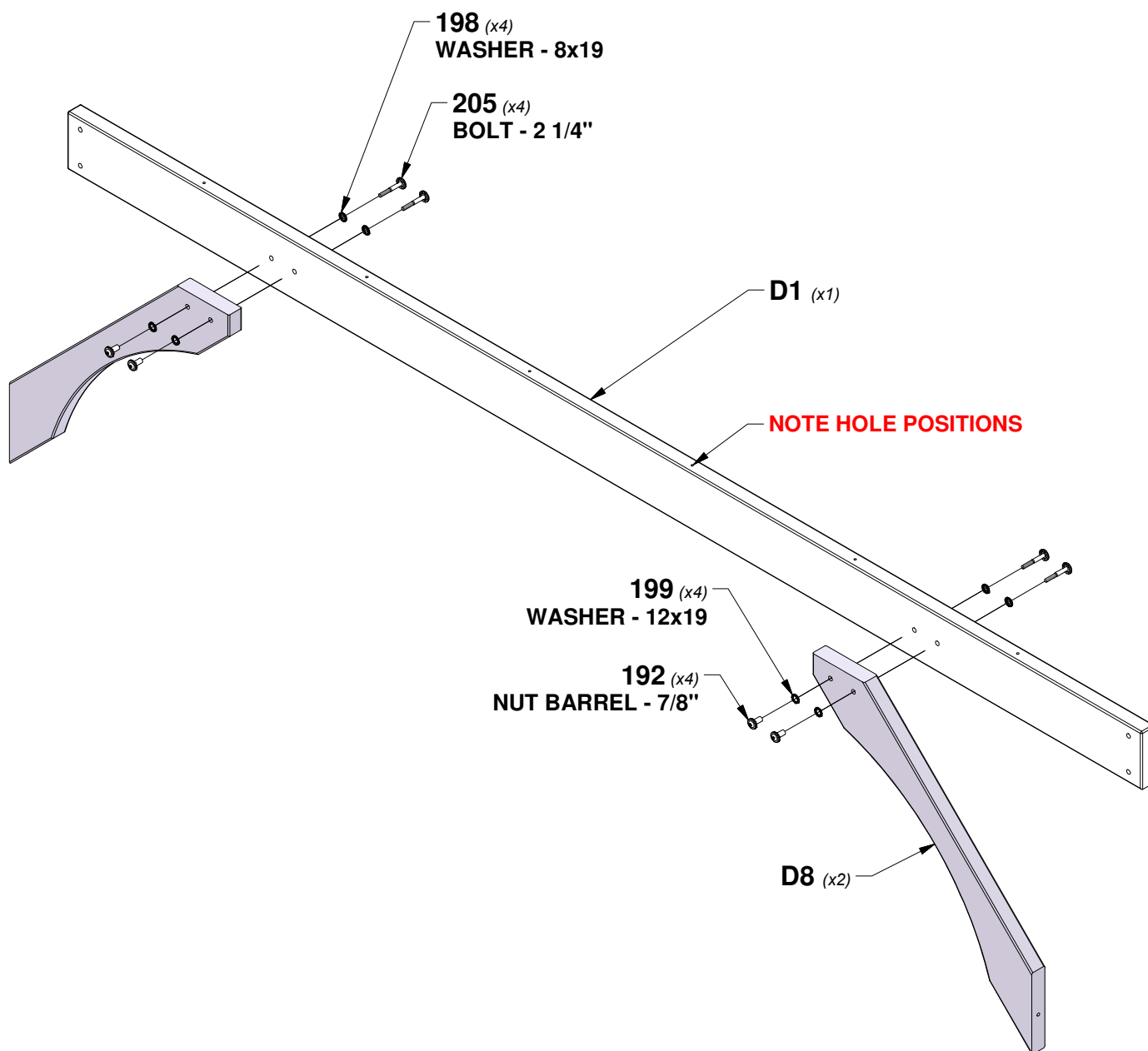
**D8 LONG ANGLE BRACE - W4L21825**  
(x4) 1 3/8"x5 1/4"x34 1/4" (36x134x871)



**D1 JOIST - W4L21818**  
(x2) 1 3/8"x5 1/4"x114" (36x134x2896)

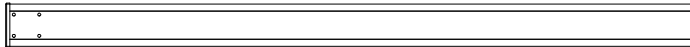
**REPEAT PROCESS FOR OPPOSITE SIDE.**

**\*\*\*HAND TIGHTEN ONLY AT THIS TIME.\*\*\***

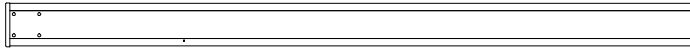


# STEP 3 - PERGOLA ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
8	H100193	NUT BARREL WH 5/16x1-1/2 BLK
8	H100196	BOLT WH 5/16x7-1/4 BLK
8	H100198	WASHER LOCK EXT 8x19 BLK
8	H100199	WASHER LOCK EXT 12x19 BLK
4	H100405	WASHER LOCK EXT 6x15 BLK
4	H100792	LAG SCREW WH 1/4x3 BLK



**WP1 PERGOLA POST - W2A04765**  
(x2) 5 1/2"x5 1/2"x89 1/2" (140x140x2273)



**WP2 PERGOLA POST - W2A04766**  
(x2) 5 1/2"x5 1/2"x89 1/2" (140x140x2273)

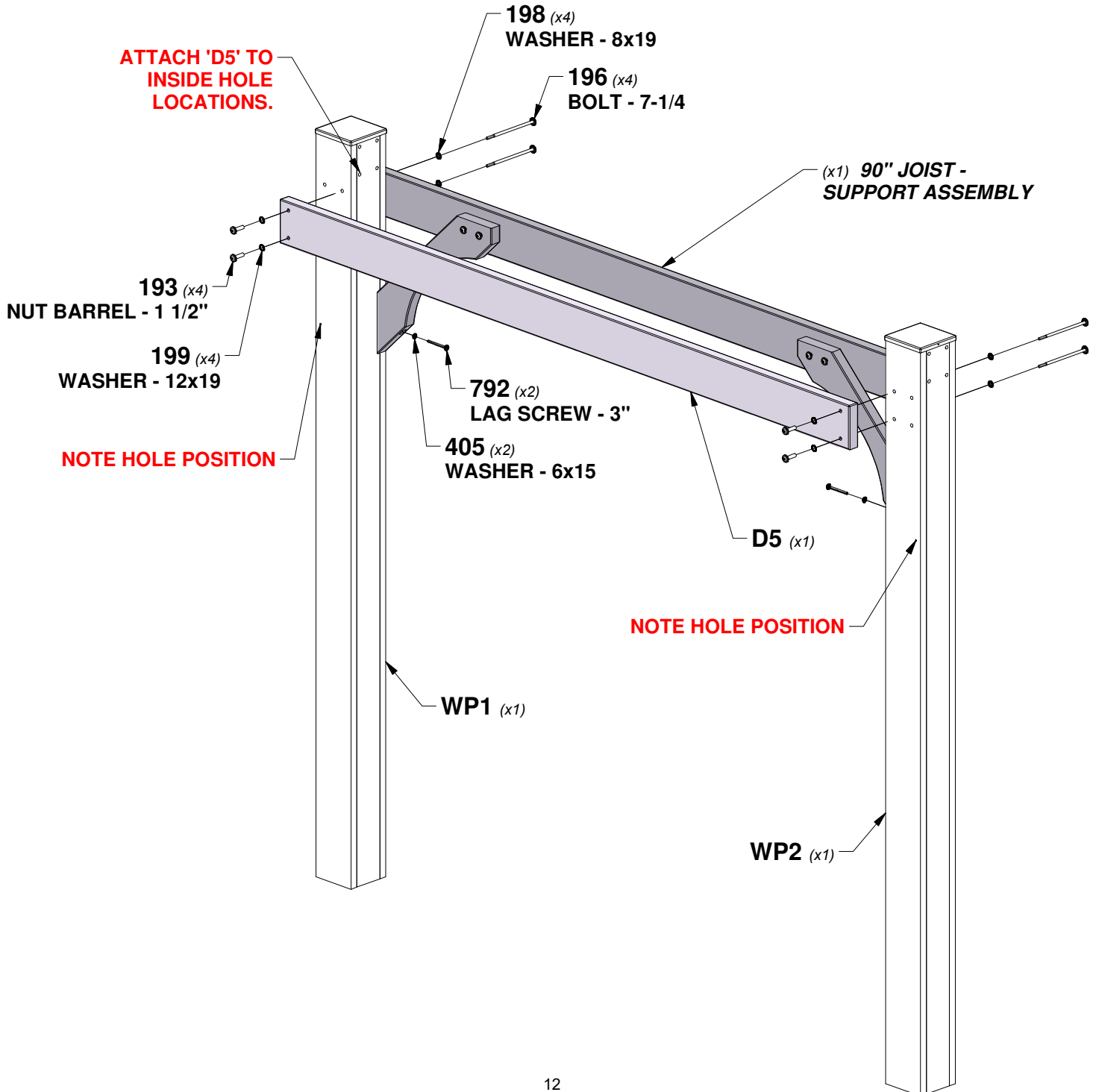


(x2) **90" JOIST - SUPPORT ASSEMBLY**

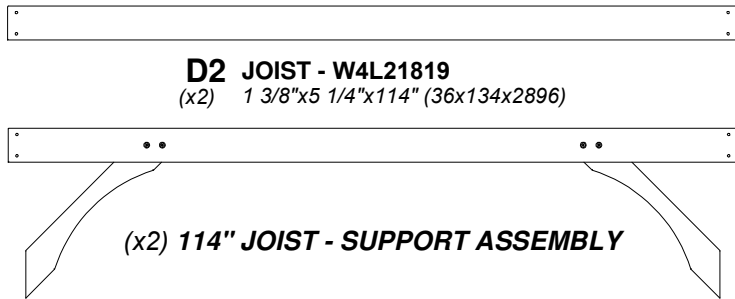


**D5 JOIST - W4L21788**  
(x2) 1 3/8"x5 1/4"x90" (36x134x2286)

**REPEAT PROCESS FOR OPPOSITE SIDE.**

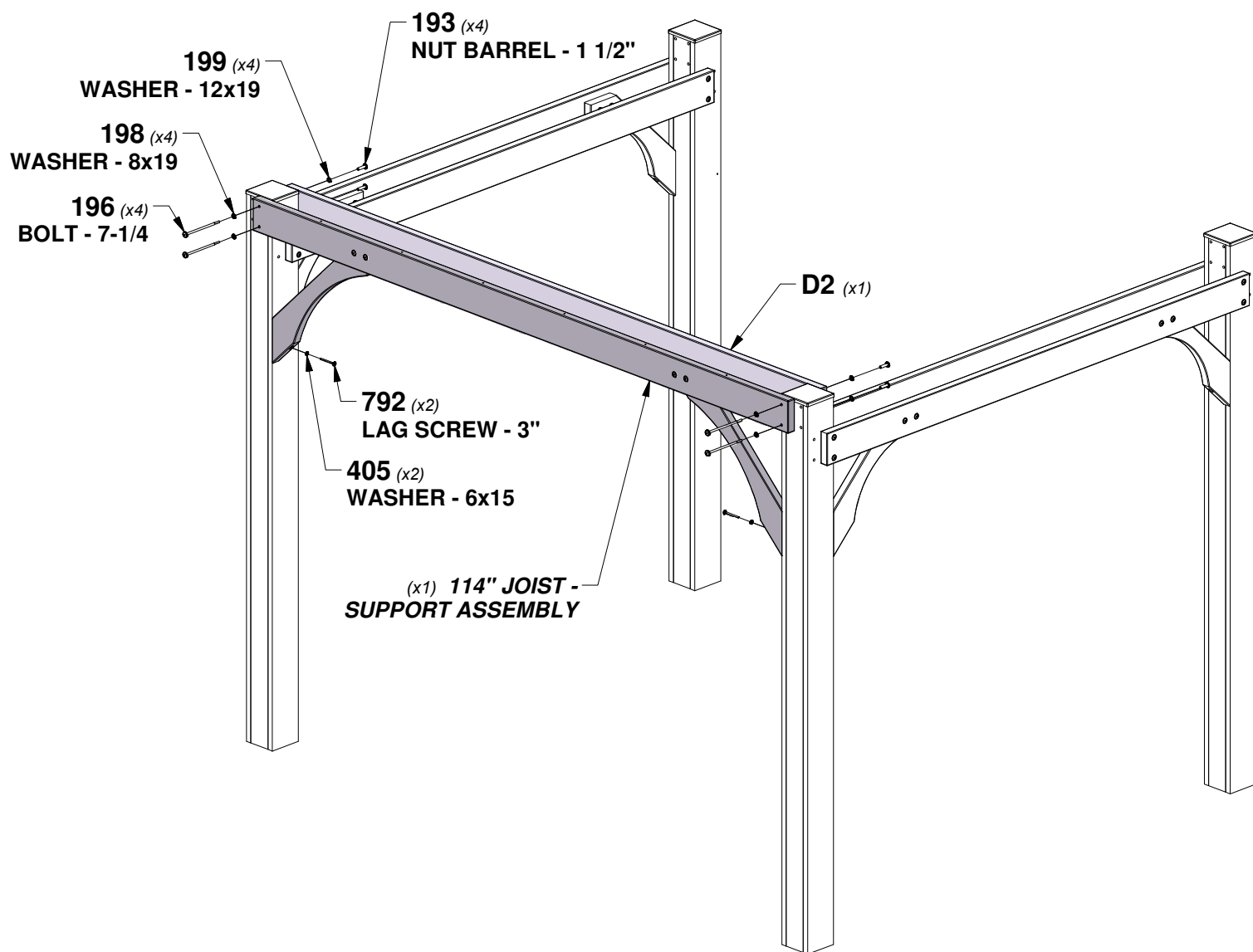


# STEP 4 - PERGOLA ASSEMBLY



QTY	PART NUMBER	DESCRIPTION
8	H100193	NUT BARREL WH 5/16x1-1/2 BLK
8	H100196	BOLT WH 5/16x7-1/4 BLK
8	H100198	WASHER LOCK EXT 8x19 BLK
8	H100199	WASHER LOCK EXT 12x19 BLK
4	H100405	WASHER LOCK EXT 6x15 BLK
4	H100792	LAG SCREW WH 1/4x3 BLK

**REPEAT PROCESS FOR OPPOSITE SIDE.**

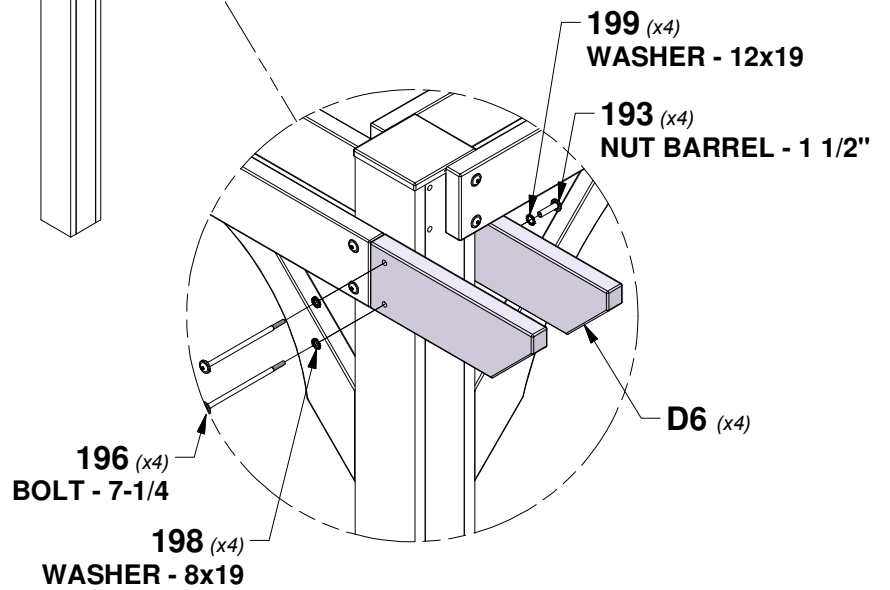
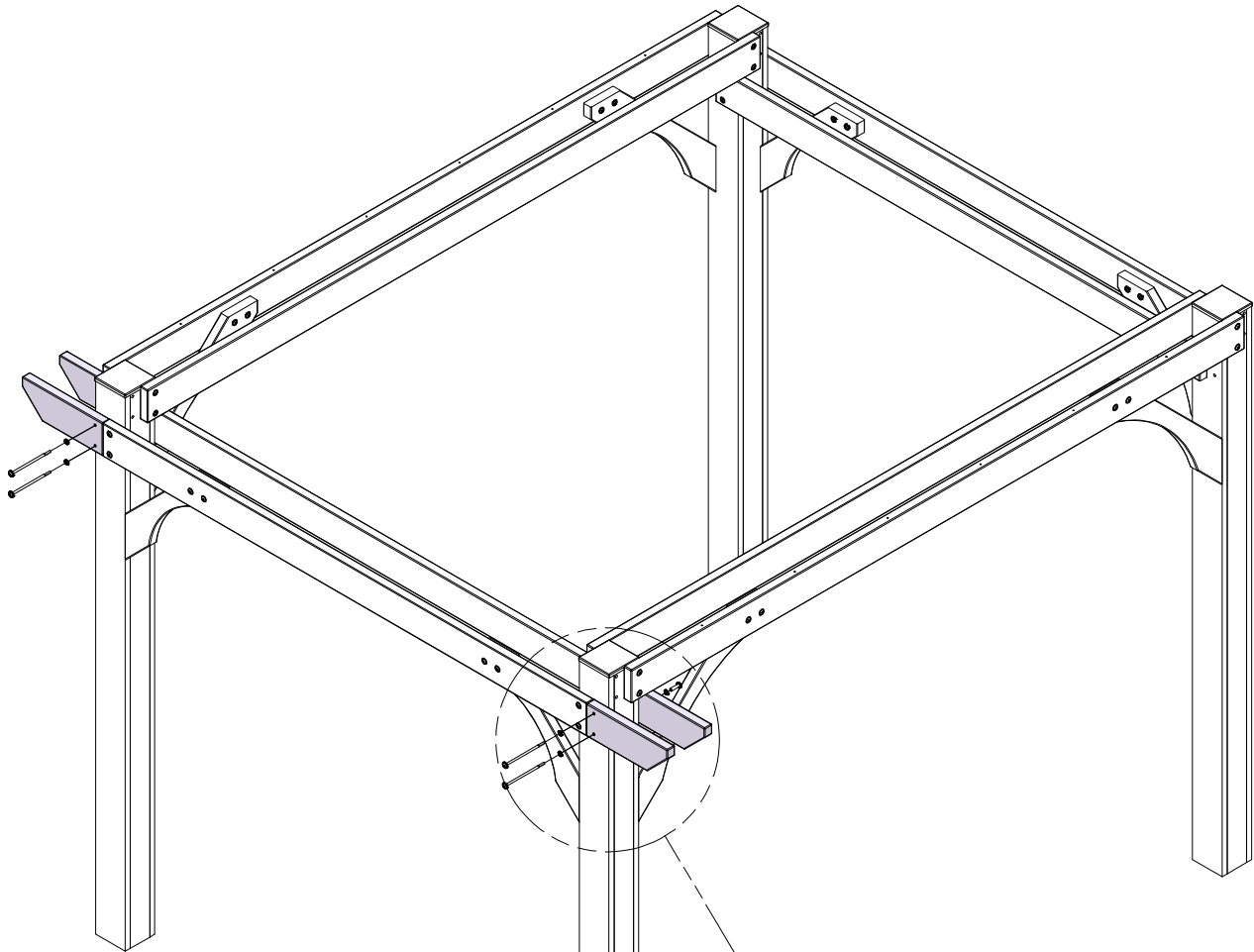


# STEP 5 - PERGOLA ASSEMBLY



**D6 JOIST END - W4L21789**  
 (x4) 1 3/8"x5 1/4"x15" (36x134x381)

QTY	PART NUMBER	DESCRIPTION
4	H100193	NUT BARREL WH 5/16x1-1/2 BLK
4	H100196	BOLT WH 5/16x7-1/4 BLK
4	H100198	WASHER LOCK EXT 8x19 BLK
4	H100199	WASHER LOCK EXT 12x19 BLK



# STEP 6 - PERGOLA ASSEMBLY

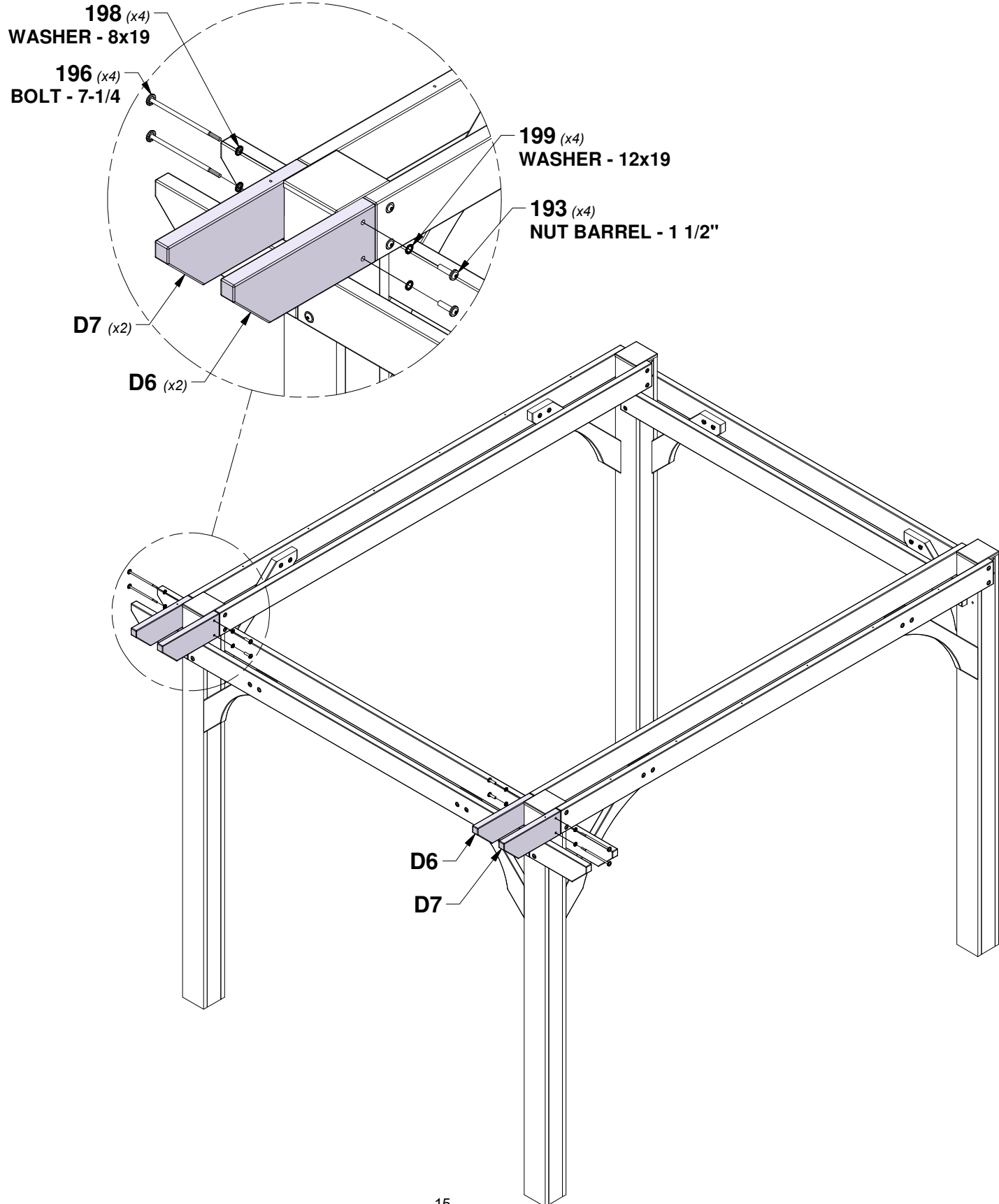
QTY	PART NUMBER	DESCRIPTION
4	H100193	NUT BARREL WH 5/16x1-1/2 BLK
4	H100196	BOLT WH 5/16x7-1/4 BLK
4	H100198	WASHER LOCK EXT 8x19 BLK
4	H100199	WASHER LOCK EXT 12x19 BLK



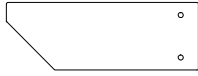
**D6 JOIST END - W4L21789**  
(x2) 1 3/8"x5 1/4"x15" (36x134x381)



**D7 JOIST END - W4L21790**  
(x2) 1 3/8"x5 1/4"x15" (36x134x381)

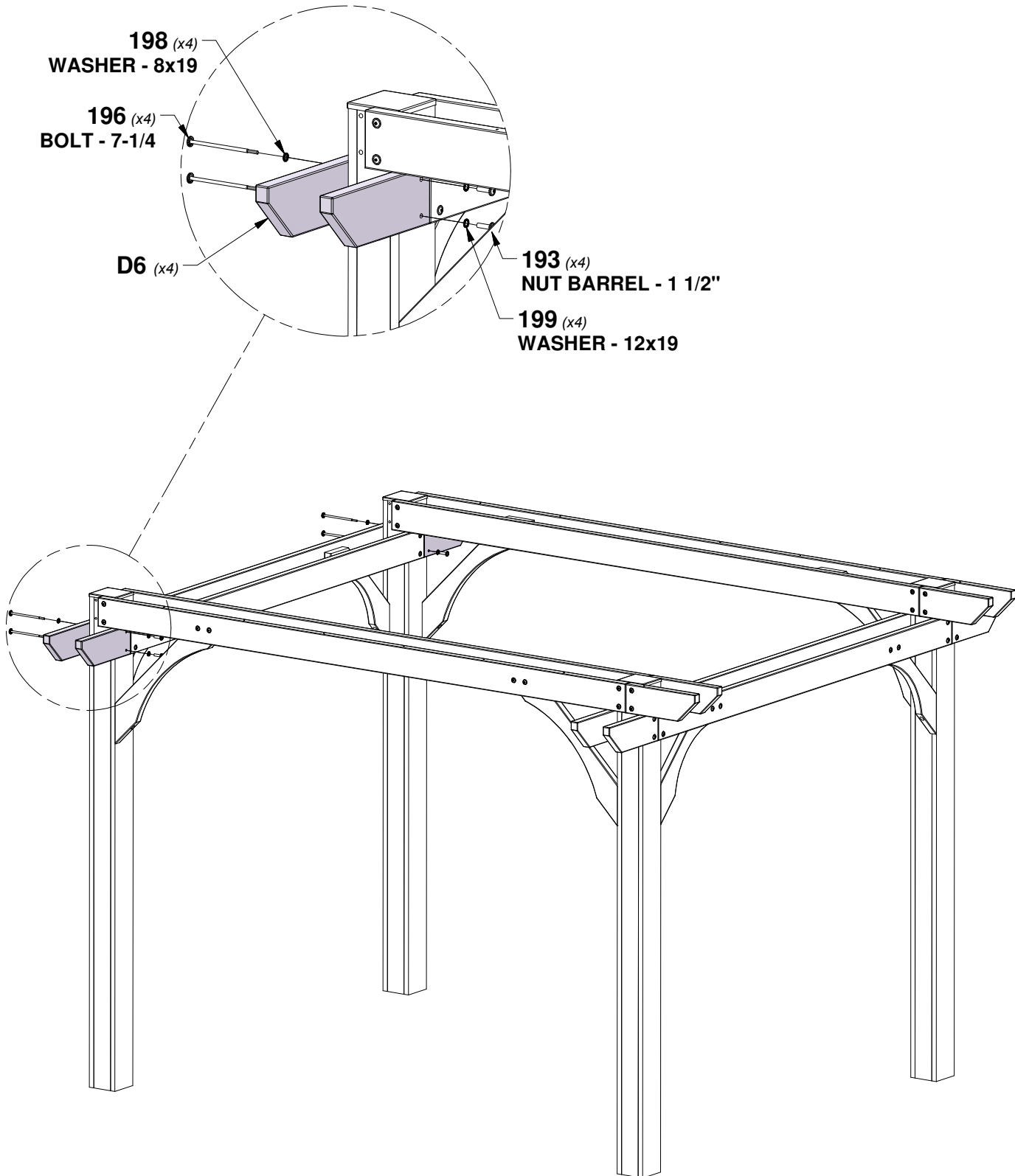


# STEP 7 - PERGOLA ASSEMBLY



**D6 JOIST END - W4L21789**  
 (x4) 1 3/8"x5 1/4"x15" (36x134x381)

QTY	PART NUMBER	DESCRIPTION
4	H100193	NUT BARREL WH 5/16x1-1/2 BLK
4	H100196	BOLT WH 5/16x7-1/4 BLK
4	H100198	WASHER LOCK EXT 8x19 BLK
4	H100199	WASHER LOCK EXT 12x19 BLK



# STEP 8 - PERGOLA ASSEMBLY

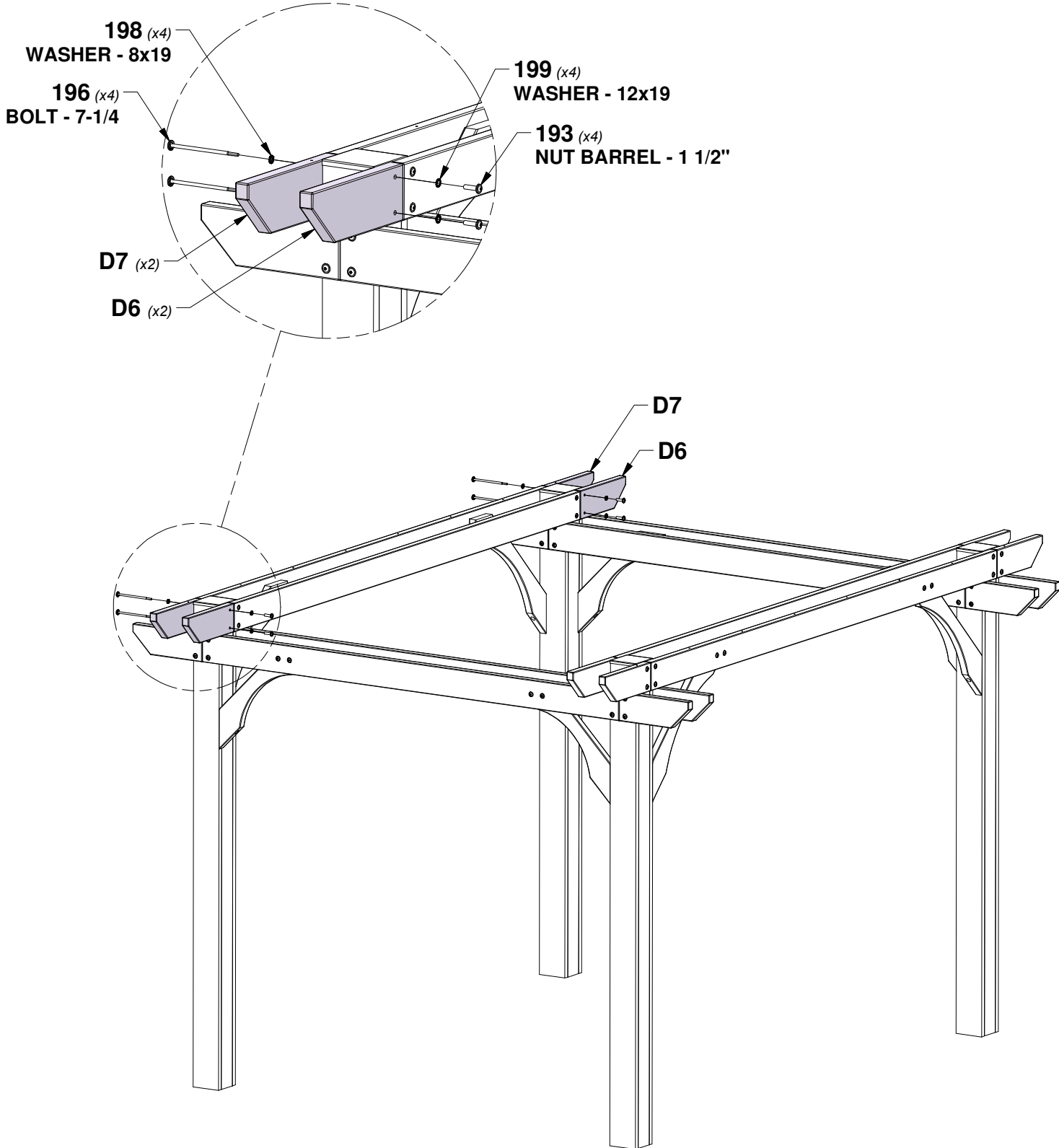


**D7 JOIST END - W4L21790**  
(x2) 1 3/8"x5 1/4"x15" (36x134x381)



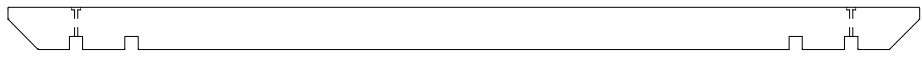
**D6 JOIST END - W4L21789**  
(x2) 1 3/8"x5 1/4"x15" (36x134x381)

QTY	PART NUMBER	DESCRIPTION
4	H100193	NUT BARREL WH 5/16x1-1/2 BLK
4	H100196	BOLT WH 5/16x7-1/4 BLK
4	H100198	WASHER LOCK EXT 8x19 BLK
4	H100199	WASHER LOCK EXT 12x19 BLK

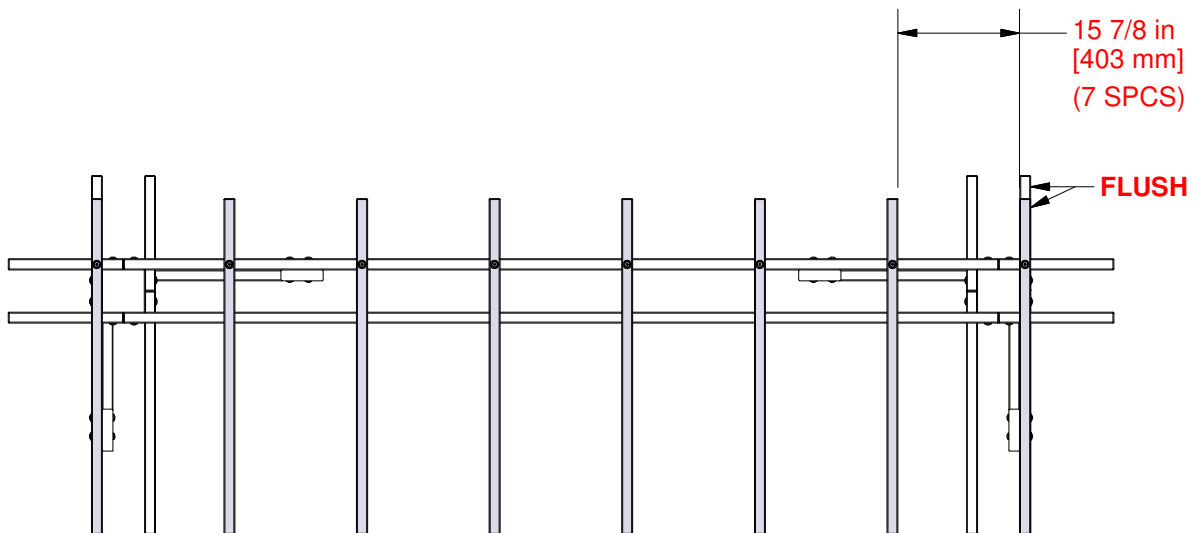
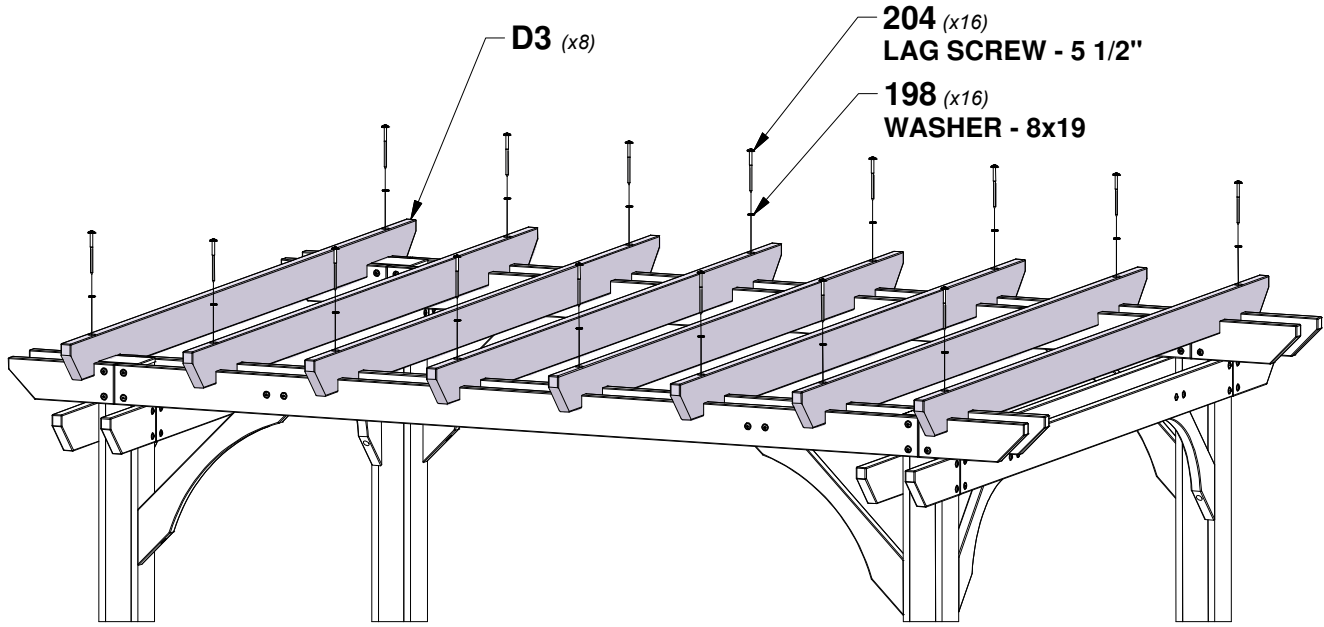


# STEP 9 - PERGOLA ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
16	H100198	WASHER LOCK EXT 8x19 BLK
16	H100204	LAG SCREW WH 5/16x5-1/2 BLK



**D3 SLOTTED JOIST - W4L21786**  
 (x8) 1 3/8"x5 1/4"x114" (36x134x2896)



## JOIST SPACING

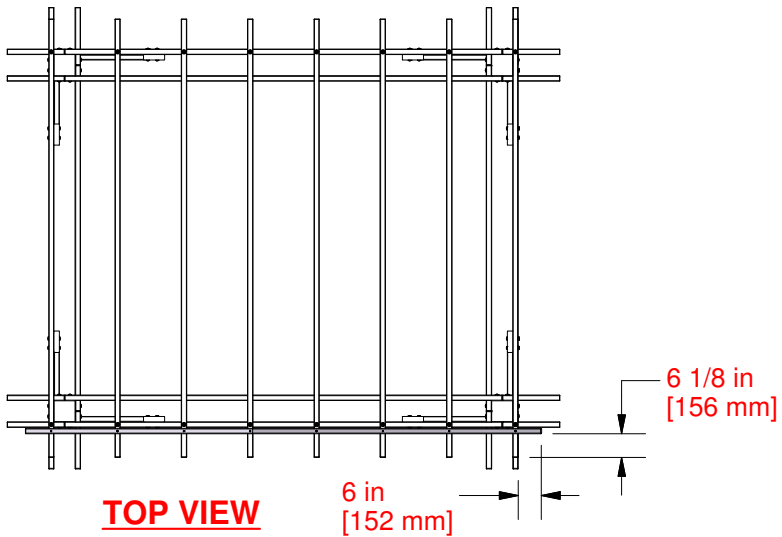
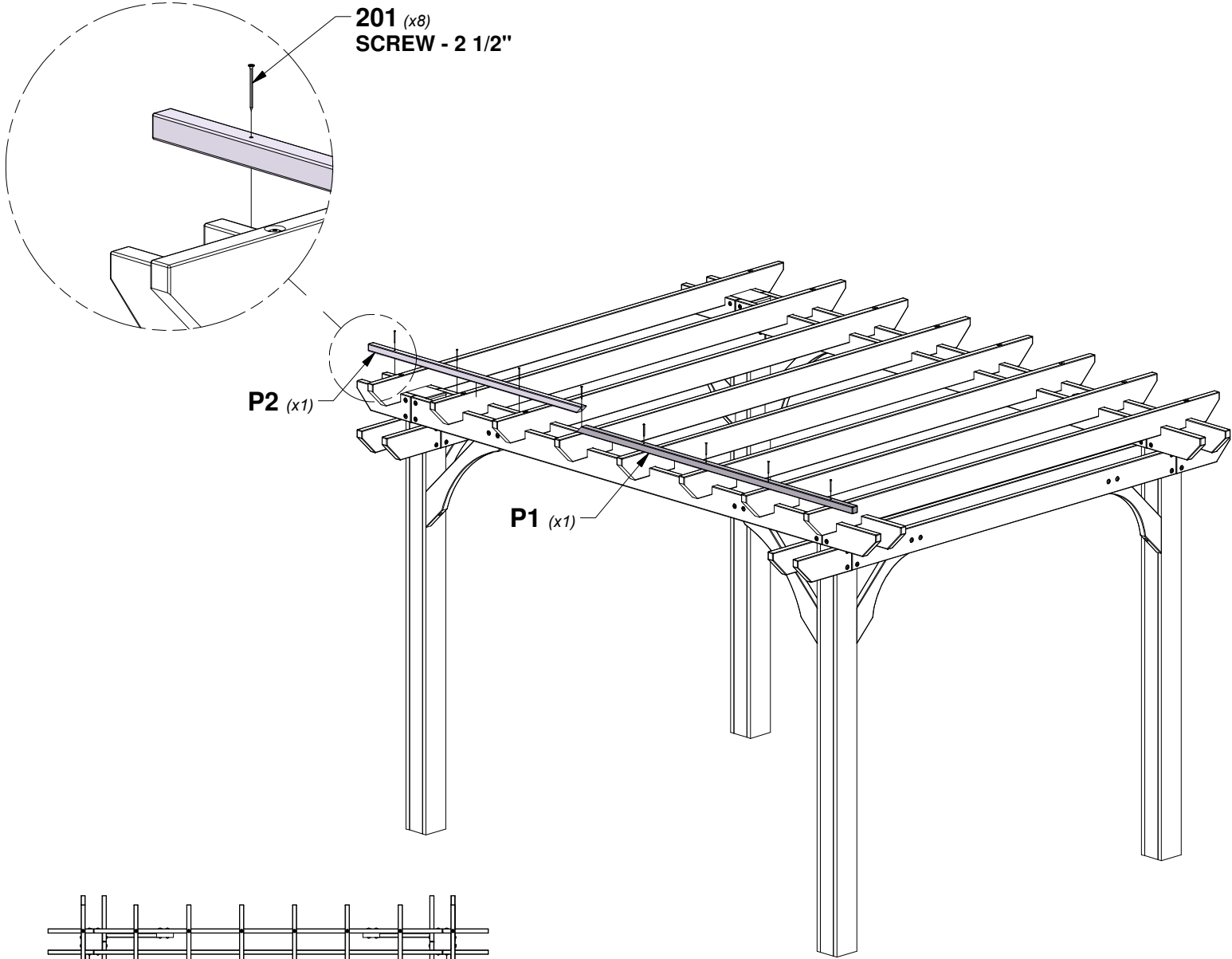
# STEP 10 - PERGOLA ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
8	H100201	SCREW PFH 8x2-1/2 BLK

**P1 LONG PURLIN - W4L21827**  
 (x1) 1 3/8"x1 3/8"x76 5/8" (36x36x1945)

**P2 SHORT PURLIN - W4L21828**  
 (x1) 1 3/8"x1 3/8"x59 1/4" (36x36x1504)

**201 (x8)**  
**SCREW - 2 1/2"**



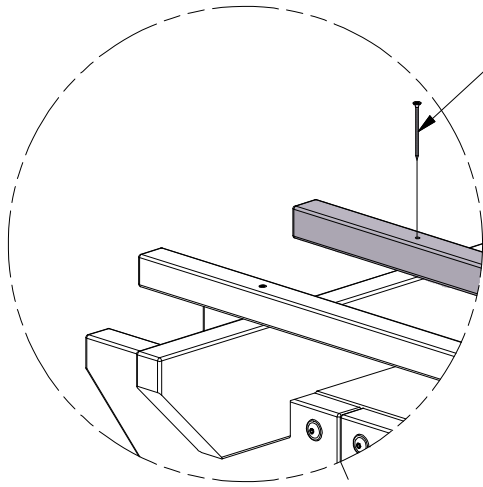
**TOP VIEW**

# STEP 11 - PERGOLA ASSEMBLY

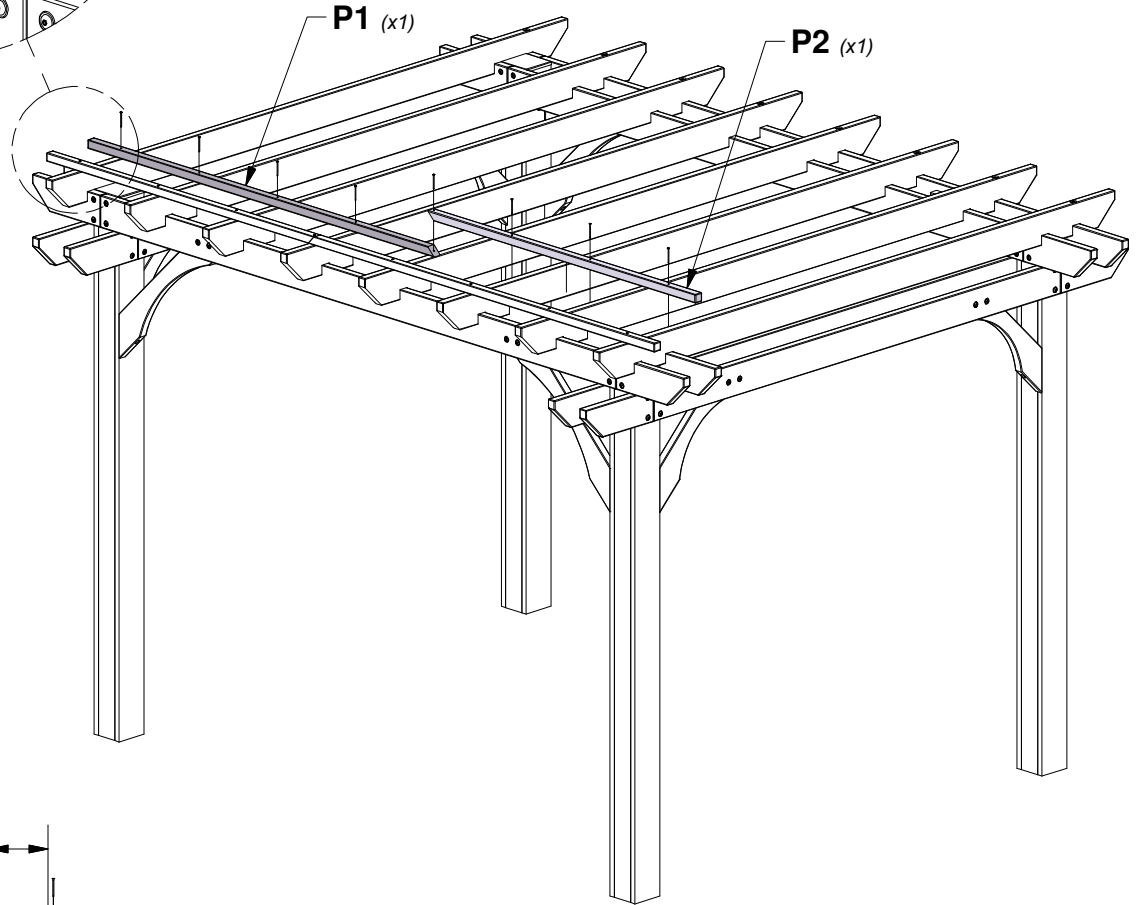
QTY	PART NUMBER	DESCRIPTION
8	H100201	SCREW PFH 8x2-1/2 BLK

**P1 LONG PURLIN - W4L21827**  
 (x1) 1 3/8"x1 3/8"x76 5/8" (36x36x1945)

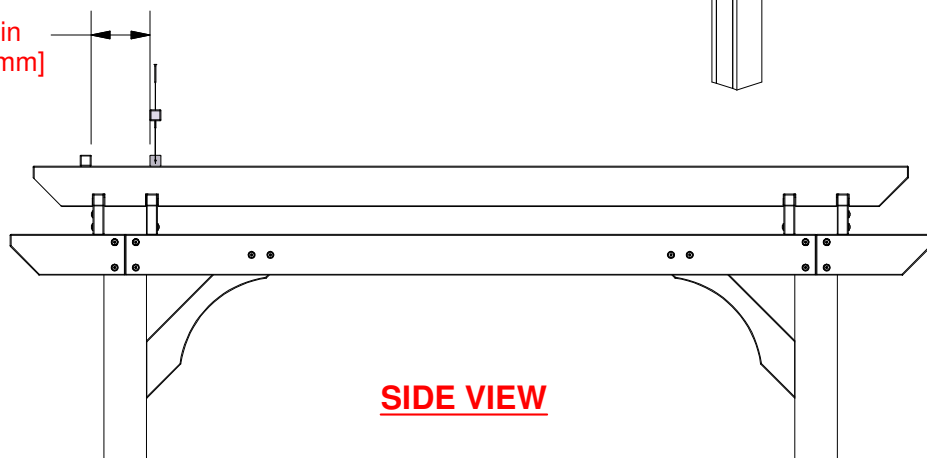
**P2 SHORT PURLIN - W4L21828**  
 (x1) 1 3/8"x1 3/8"x59 1/4" (36x36x1504)



**201 (x8)**  
**SCREW - 2 1/2"**



7 5/8 in  
 [195 mm]



**SIDE VIEW**

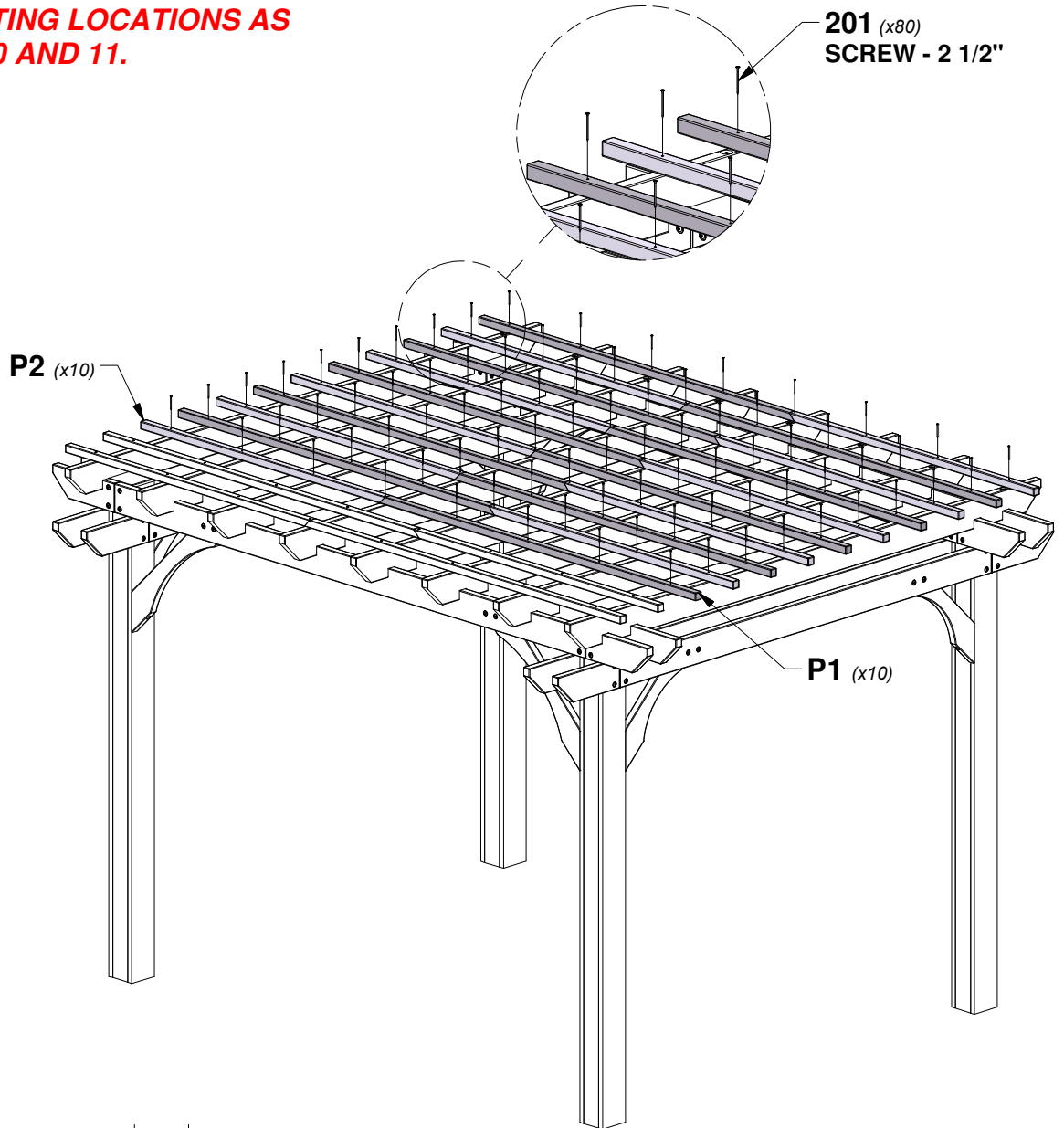
# STEP 12 - PERGOLA ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
80	H100201	SCREW PFH 8x2-1/2 BLK

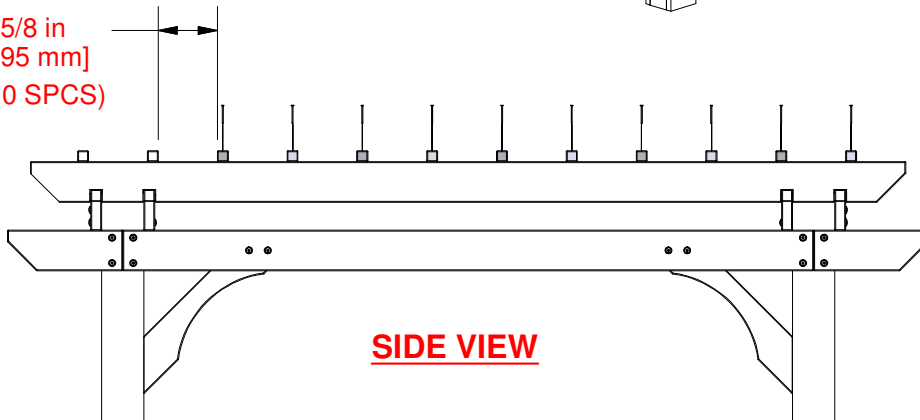
**P1 LONG PURLIN - W4L21827**  
 (x10) 1 3/8"x1 3/8"x76 5/8" (36x36x1945)

**P2 SHORT PURLIN - W4L21828**  
 (x10) 1 3/8"x1 3/8"x59 1/4" (36x36x1504)

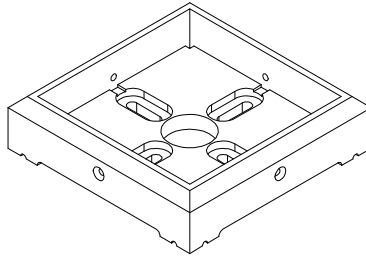
**ASSEMBLE REMAINING P1 AND P2 PURLINS ALTERNATING LOCATIONS AS SHOWN IN STEPS 10 AND 11.**



**7 5/8 in [195 mm] (10 SPCS)**



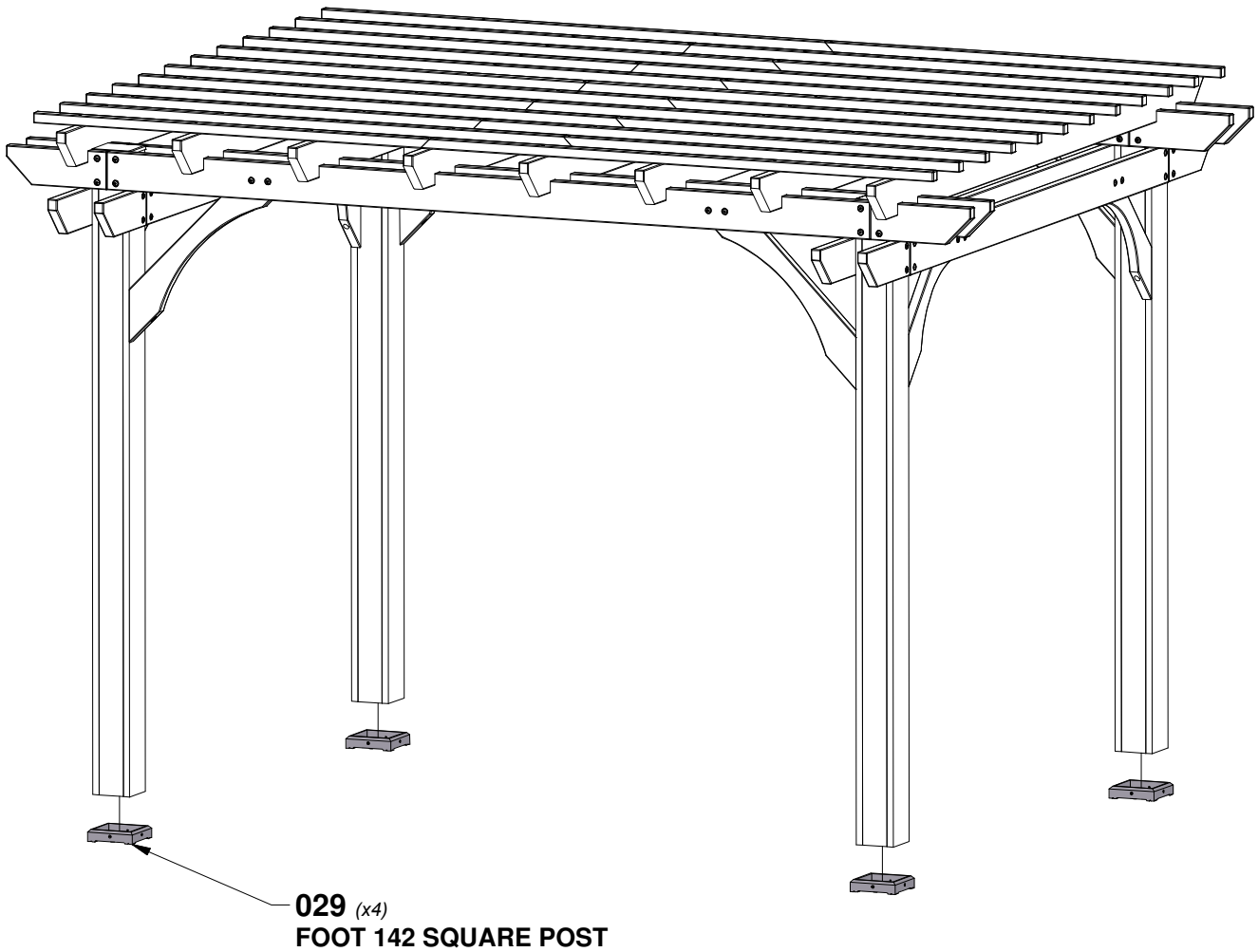
# STEP 13 - PERGOLA ASSEMBLY



**A100029**  
(x4) **FOOT 142 SQUARE POST**

**DECIDE WHERE TO PLACE THE PERGOLA; GRASS, CONCRETE OR OTHER MATERIAL. PLACE THE PERGOLA EXACTLY WHERE IT WILL BE ANCHORED WHEN COMPLETED AND SLIDE A FOOT UNDER EACH POST 'WP1'.**

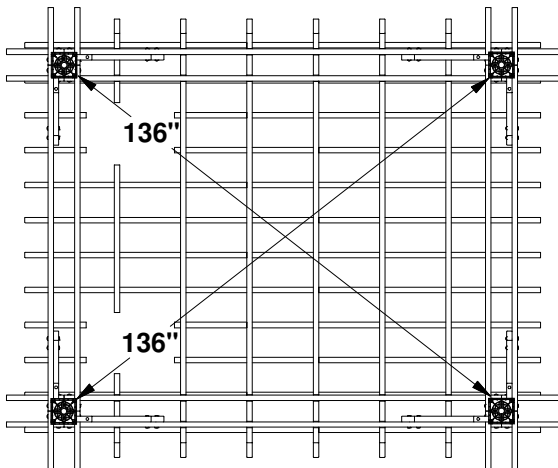
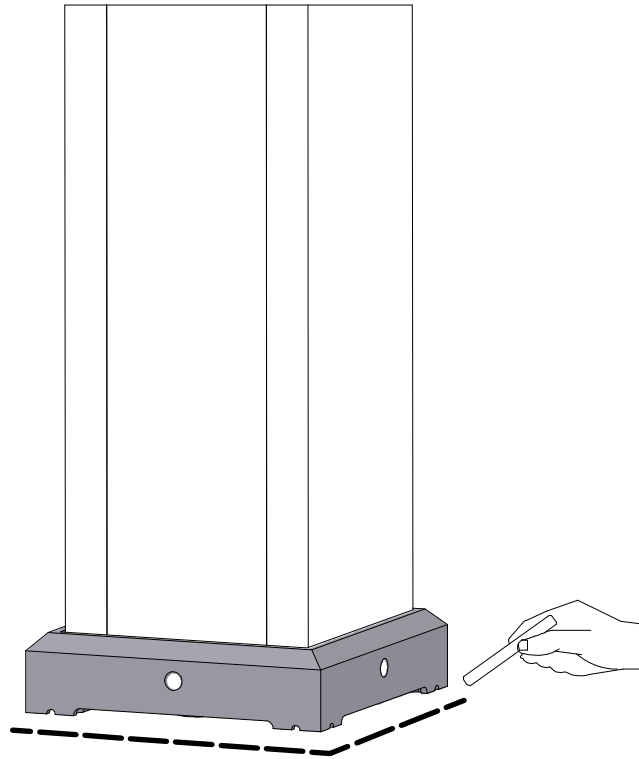
**NOTE:  
IF NOT PLACING ON CONCRETE, PROCEED TO STEP 17.**



**029** (x4)  
**FOOT 142 SQUARE POST**

# STEP 14 - PERGOLA ASSEMBLY

**USE CHALK TO TRACE AROUND THE EDGES OF EACH FOOT.**



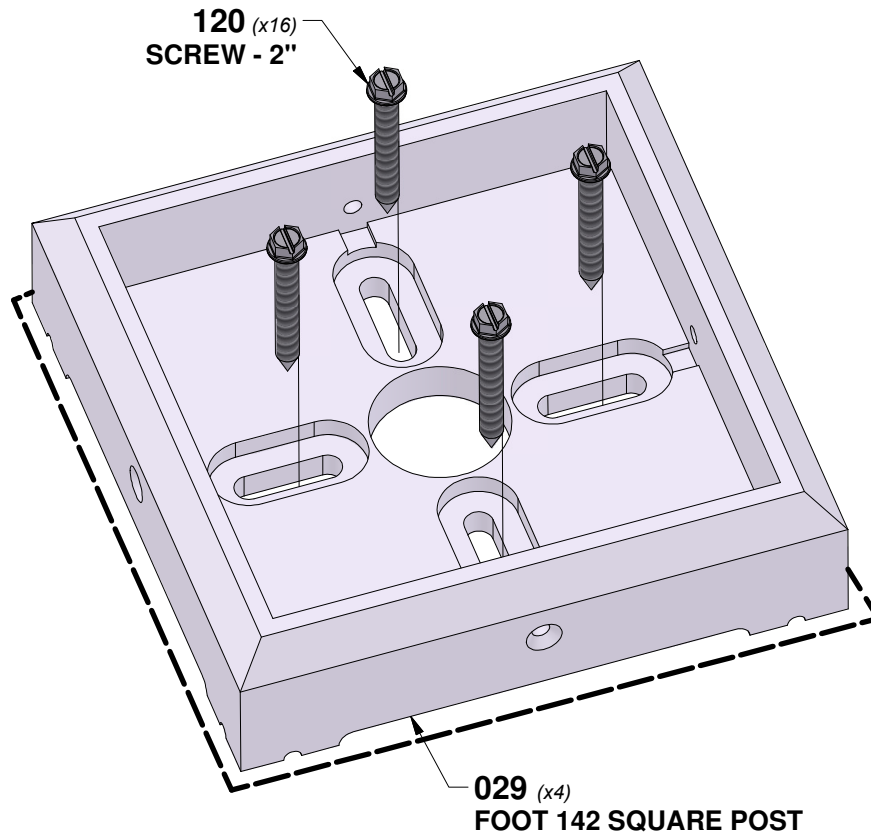
**SQUARE POSTS AND TIGHTEN ALL BOLTS AND SCREWS AT THIS TIME.**

# STEP 15 - PERGOLA ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
16	H100120	CONCRETE ANCHOR 1/4x2

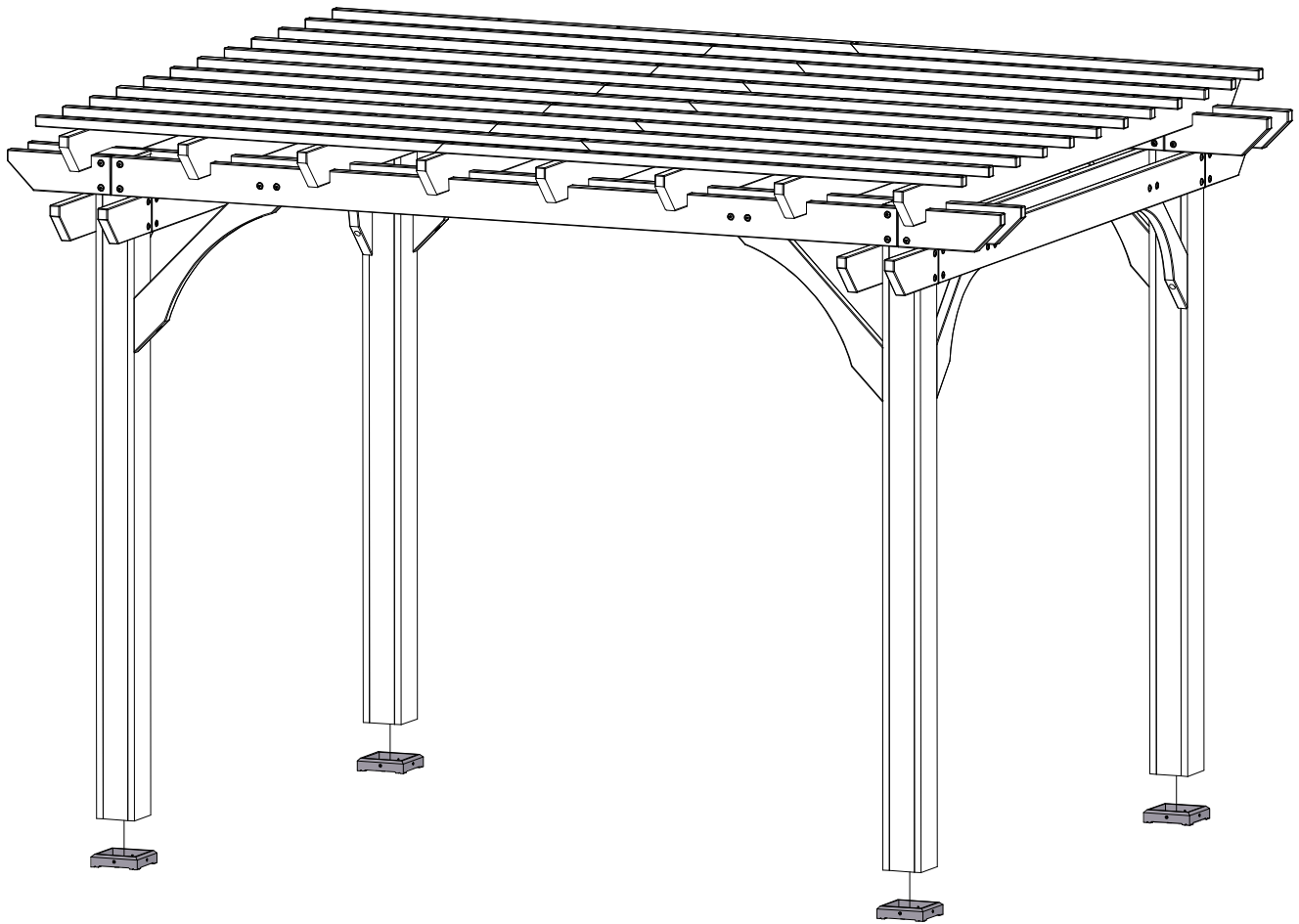
**MOVE THE PERGOLA ASIDE. PLACE EACH FOOT INSIDE OF THE LINES DRAWN IN STEP 14. USING A CONCRETE DRILL BIT, PILOT DRILL ATTACHMENT HOLES INTO THE CONCRETE PAD.**

**NEXT, USE THE 1/4"x2" CONCRETE ANCHORS TO ATTACH EACH FOOT TO THE CONCRETE SURFACE.**



# STEP 16 - PERGOLA ASSEMBLY

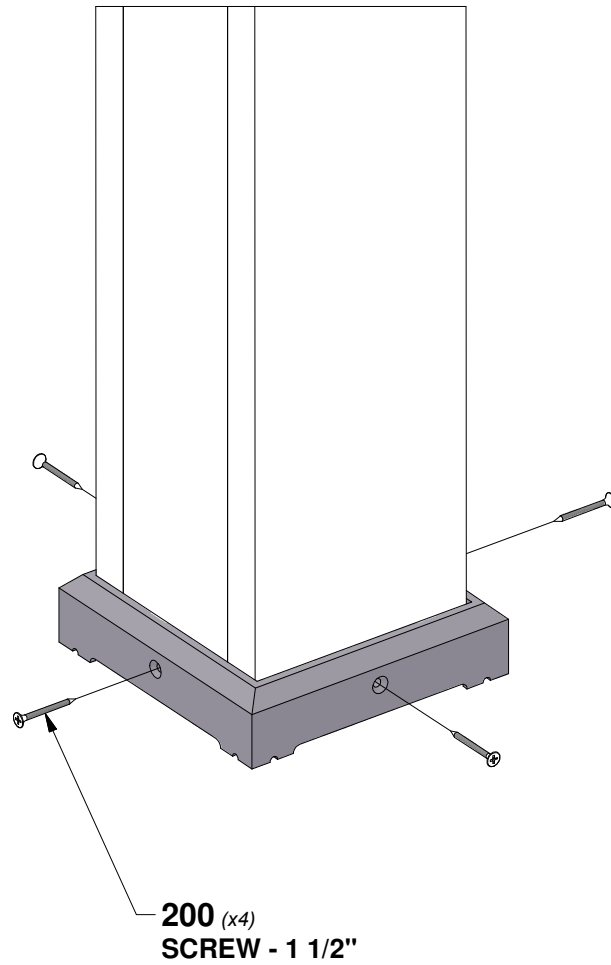
***SET THE PERGOLA BACK IN PLACE, SETTING EACH POST 'WP1' INSIDE AN FOOT.***



# STEP 17 - PERGOLA ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
16	H100200	SCREW PFH 8x1-1/2 BLK

**ATTACH FEET TO EACH 'WP1' POST USING 1-1/2" SCREWS INTO EACH SIDE OF FOOT, AS SHOWN.**



# STEP 18 - PERGOLA ASSEMBLY

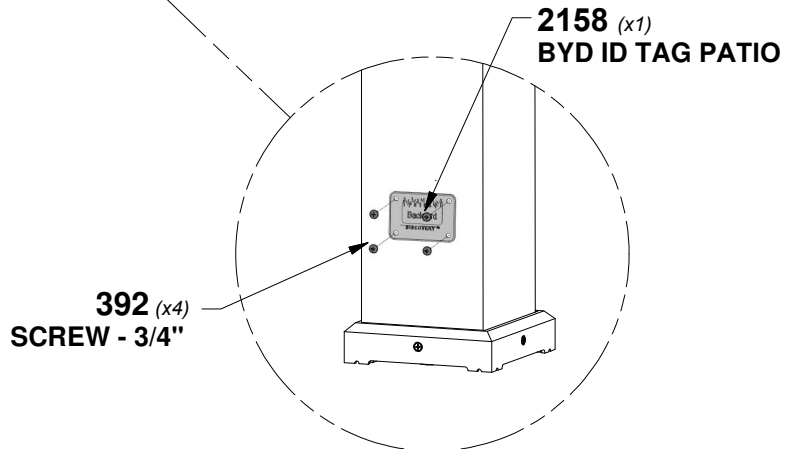
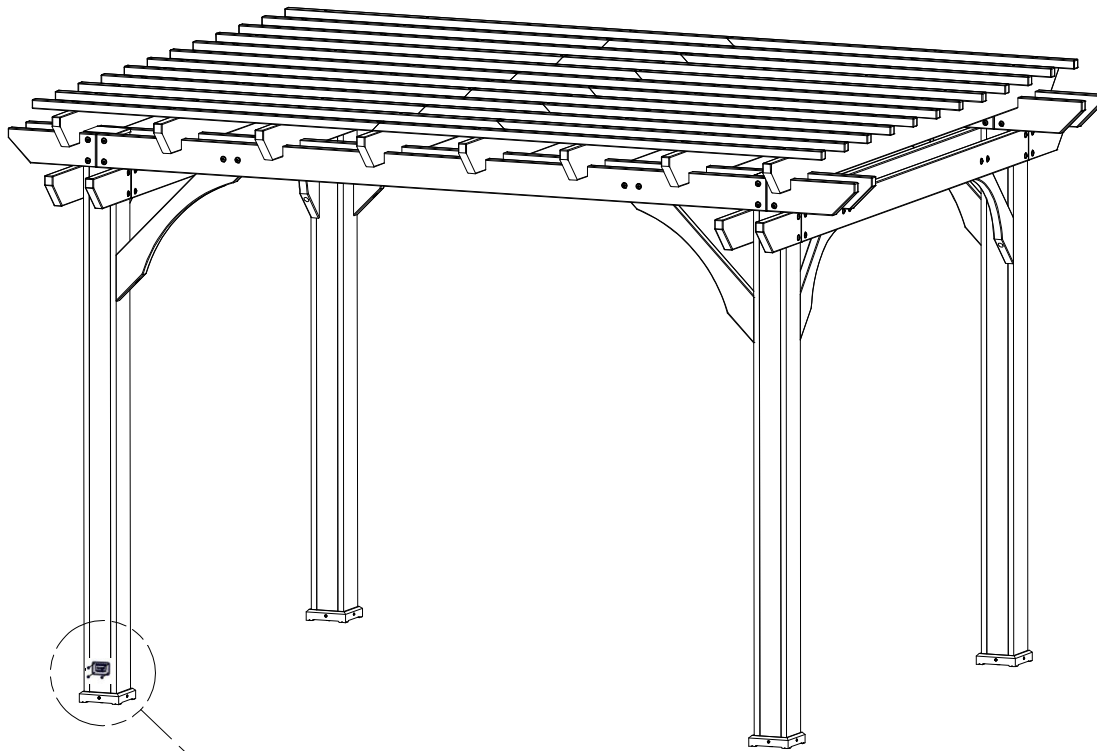
QTY	PART NUMBER	DESCRIPTION
4	H100392	SCREW PWH 8x3/4 BLK

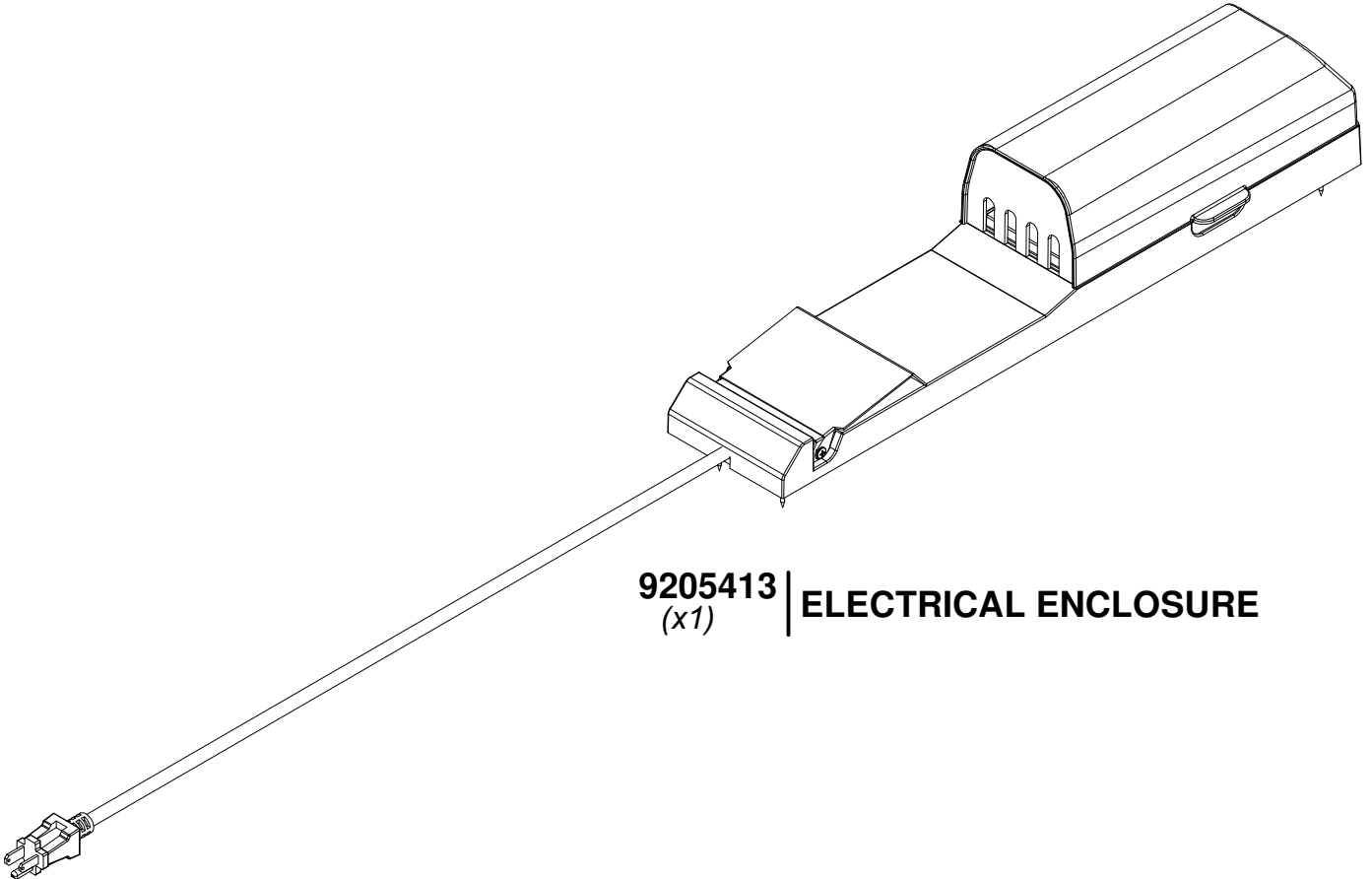


A4M02158 BYD ID TAG PATIO  
(x1)

**PLACE I.D. PLACARD ON FRONT OF POST APPROXIMATELY AS SHOWN.**

**SQUARE POSTS AND TIGHTEN ALL HARDWARE AT THIS TIME.**





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

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