



MANUFACTURED BY:
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14x10 PERGOLA

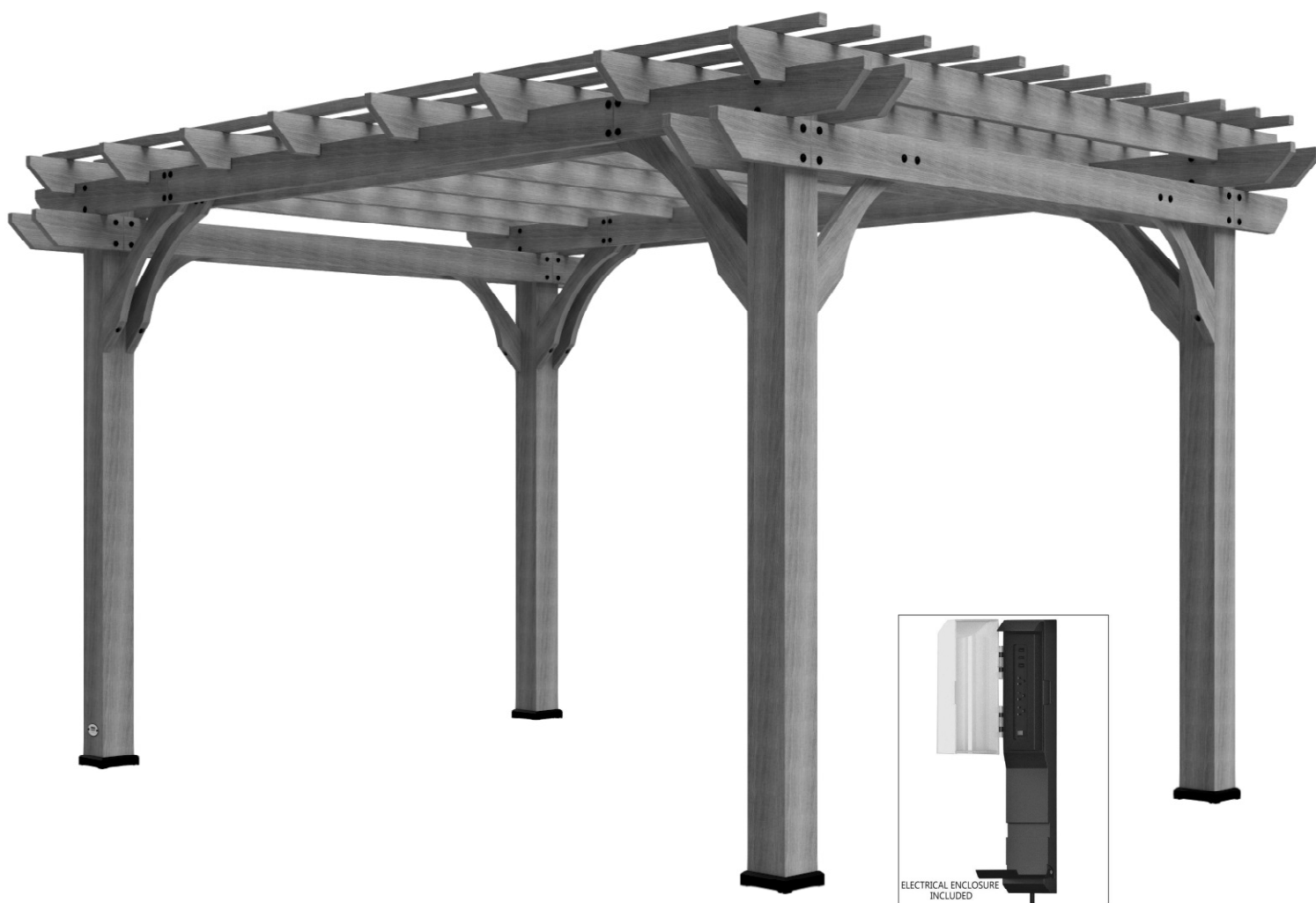
Model # 1802513B

The assembly manual must be retained
since it contains important information



WARNING

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



Made in China

INS-1802513B-A-14x10 PERGOLA-ENG 1/19/24

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

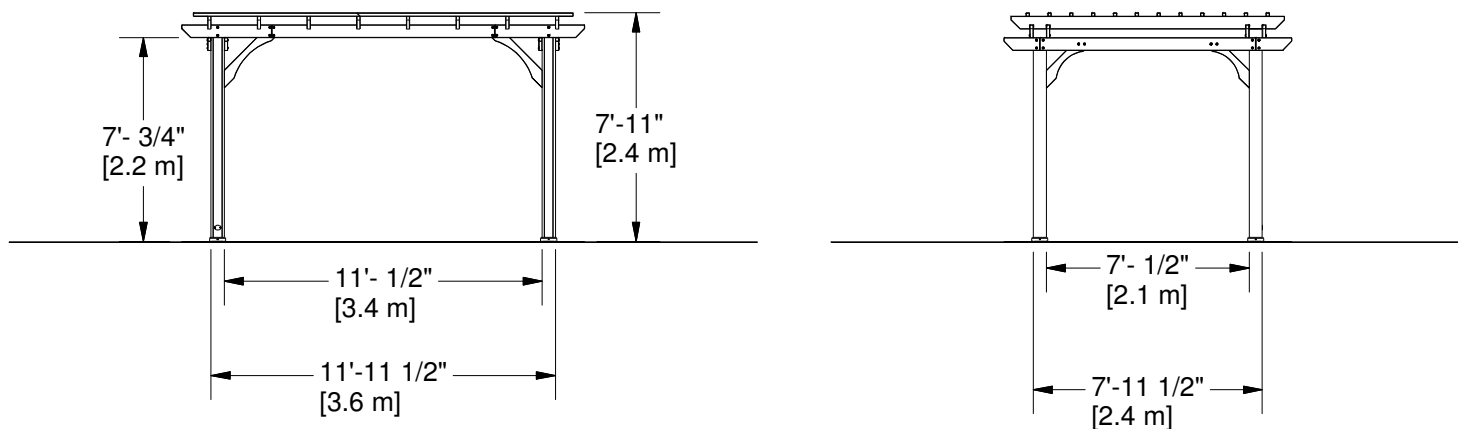
- Pay close attention to the items needed for each step. Make sure you are using the correct hardware for each step. Using incorrect hardware may result in improper assembly
- Remember to double check for underground utilities and overhead electrical lines

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.

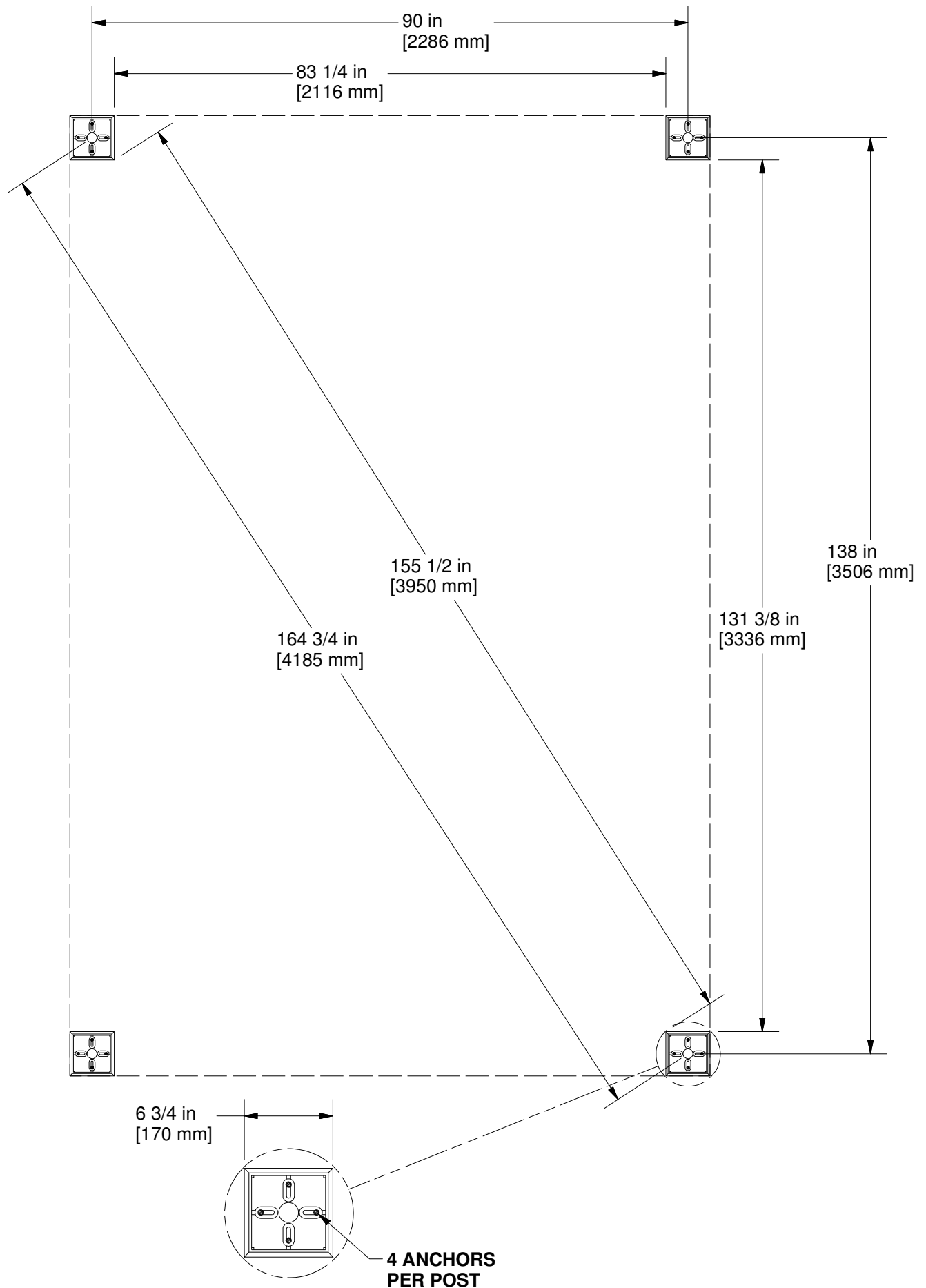
- The hardware to attach the post mounts to the structure is included.
- The hardware to mount the structure permanently to a concrete surface is included.
- The hardware to mount the structure permanently to a wood deck is NOT included and will need to be purchased separately. **You must ensure there 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 - W4L11635

(x2) 1 3/8"x5 1/4"x92 7/8" (36x134x2360)



D2 JOIST END - W4L11643

(x4) 1 3/8"x5 1/4"x37 1/2" (36x134x954)



D3 SLOTTED JOIST - W4L11637

(x8) 1 3/8"x5 1/4"x114" (36x134x2896)



D4 JOIST - W4L18489

(x2) 1 3/8"x5 1/4"x90" (36x134x2286)



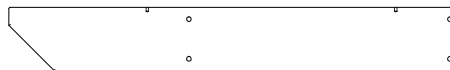
D5 JOIST - W4L11638

(x2) 1 3/8"x5 1/4"x90" (36x134x2286)



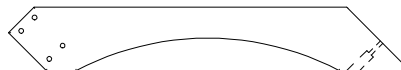
D6 JOIST END - W4L11633

(x8) 1 3/8"x5 1/4"x15" (36x134x381)



D7 JOIST END - W4L11634

(x4) 1 3/8"x5 1/4"x37 1/2" (36x134x954)



D8 LONG ANGLE BRACE - W4L18490

(x8) 1 3/8"x5 1/4"x33 1/2" (36x134x850)



D9 SHORT ANGLE BRACE - W4L18491

(x4) 1 3/8"x5 1/4"x26 5/8" (36x134x675)

Owner's Manual - Parts Identification

Wood Components (Not to Scale)



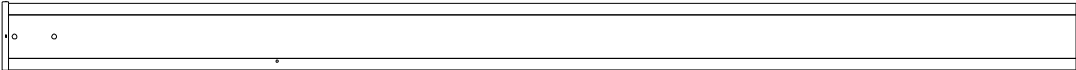
D11 JOIST - W4L11646
(x2) 1 3/8"x5 1/4"x92 7/8" (36x134x2360)



P1 PURLIN - W4L11639
(x12) 1 3/8"x1 3/8"x69 5/8" (36x36x1767)



P2 PURLIN - W4L11640
(x12) 1 3/8"x1 3/8"x90 1/4" (36x36x2291)



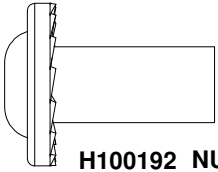
WP2 PERGOLA POST - W2A03771
(x2) 5 1/2"x5 1/2"x89 1/2" (140x140x2273)



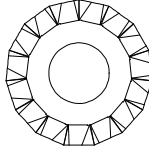
WP1 PERGOLA POST - W2A03772
(x2) 5 1/2"x5 1/2"x89 1/2" (140x140x2273)

Owner's Manual - Parts Identification

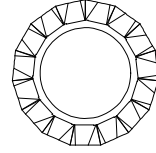
Hardware Components



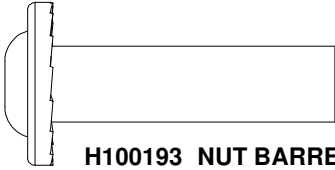
**H100192 NUT BARREL WH
BLK**
(x40) 5/16x7/8



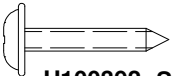
**H100198 WASHER LOCK
EXT BLK**
(x80) 8x19



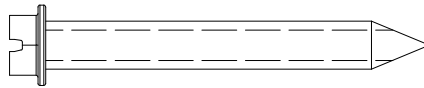
**H100199 WASHER LOCK
EXT BLK**
(x64) 12x19



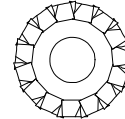
**H100193 NUT BARREL WH
BLK**
(x24) 5/16x1-1/2



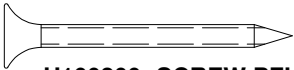
H100392 SCREW PWH BLK
(x2) 8x3/4



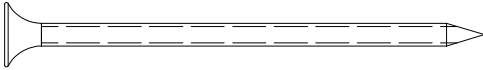
**H100120 SCREW
CONCRETE
ANCHOR**
(x16) 1/4x2



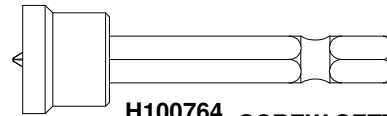
**H100405 WASHER LOCK
EXT BLK**
(x12) 6x15



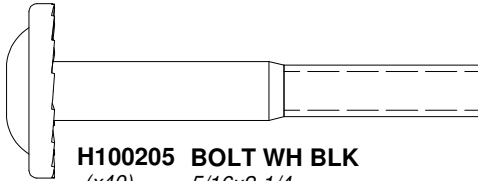
H100200 SCREW PFH BLK
(x16) 8x1 1/2



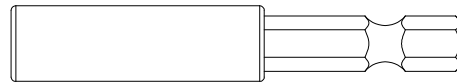
H100201 SCREW PFH BLK
(x96) 8x2-1/2



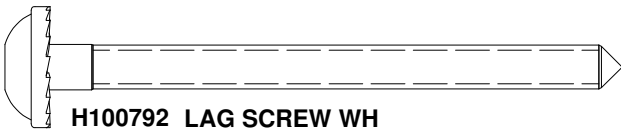
H100764 SCREW SETTER
(x1)



H100205 BOLT WH BLK
(x40) 5/16x2-1/4



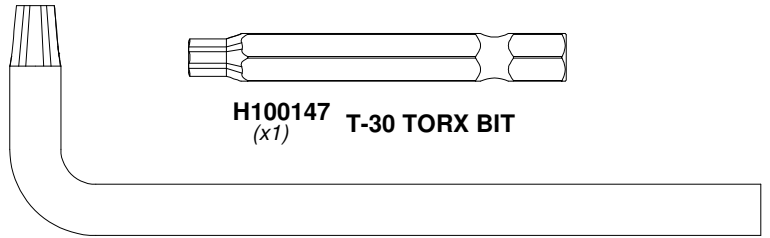
H101100 MAGNETIC DRIVER
(x1)



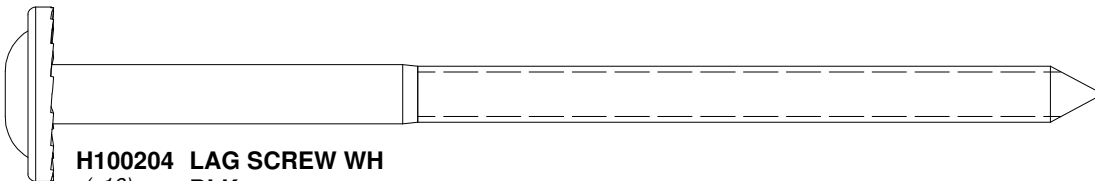
**H100792 LAG SCREW WH
BLK**
(x12) 1/4x3



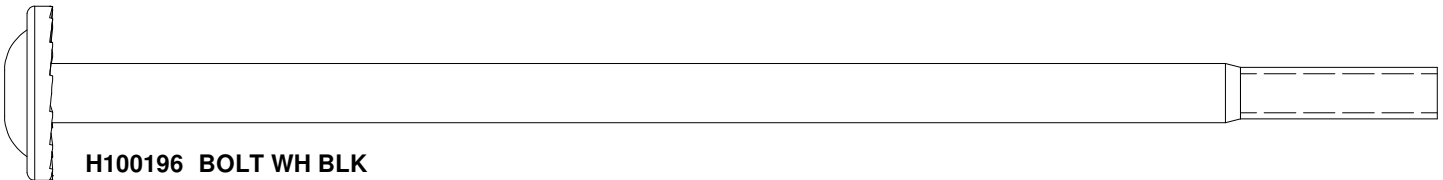
H100147 T-30 TORX BIT
(x1)



H100114 T-30 TORX WRENCH
(x1)



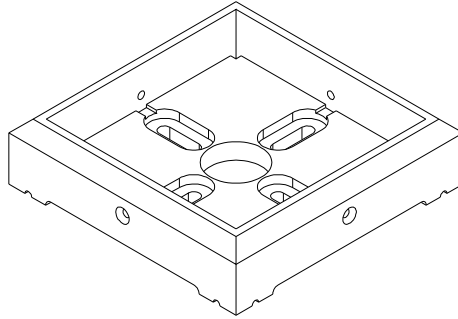
**H100204 LAG SCREW WH
BLK**
(x16) 5/16x5 1/2



H100196 BOLT WH BLK
(x24) 5/16x7-1/4

Owner's Manual - Parts Identification

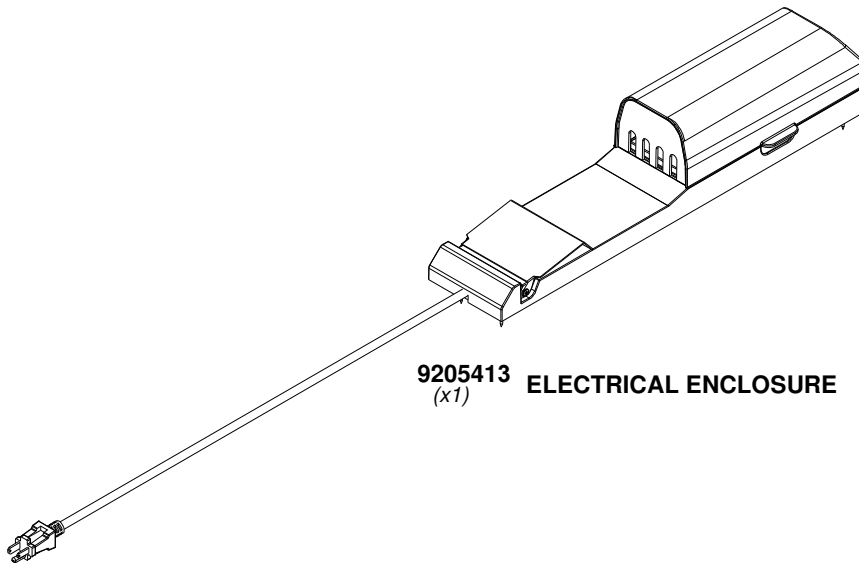
Accessory Components (Not to Scale)



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



A100241
(x1) **BYD ID TAG (SMALL) WITHOUT AGES**



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.

WOOD PARTS:

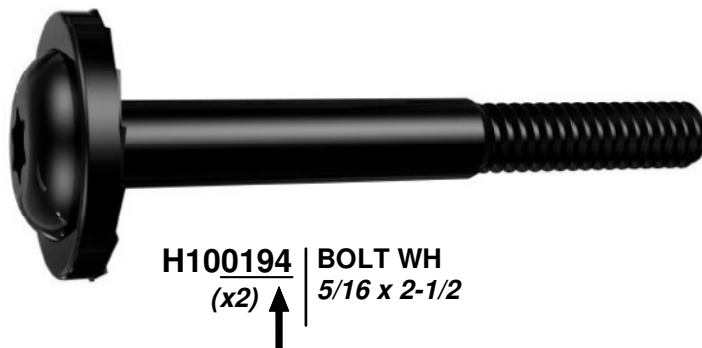
- Organize wood parts by the three-digit, alpha-numeric number stamped on each board (ex. P01).
- If there are multiple boards with the same stamped number, stack those pieces together.
- Stamps can be found on the flat surface of the boards or on the end of the boards.
- Allow yourself plenty of room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



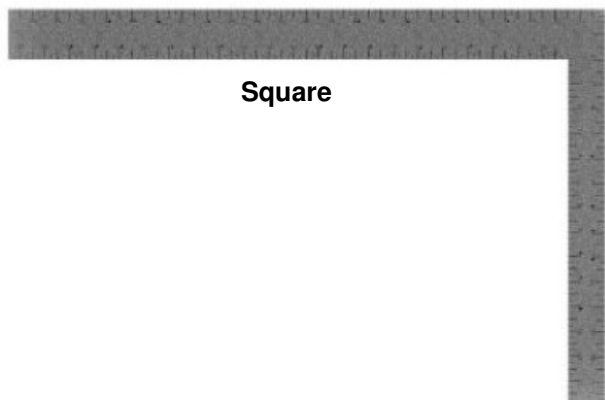
Claw Hammer



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.

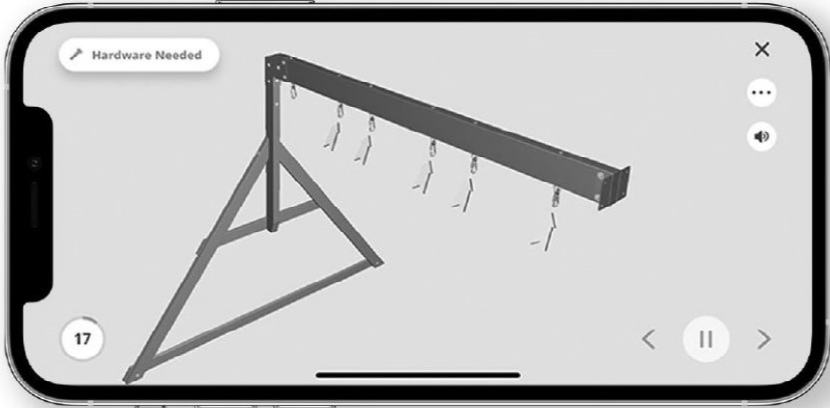
1. **Printed Assembly Manual** included with your set
2. **BILT APP** - 3D interactive instructions
3. **Combination of the Printed Manual and BILT APP** (Note: Step numbers can differ between the two methods)



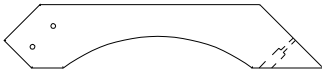
Scan for easy 3D instructions

Download the BILT app
before you begin





STEP 1 - PERGOLA ASSEMBLY



D9 SHORT ANGLE BRACE - W4L18491
(x4) 1 3/8"x5 1/4"x26 5/8" (36x134x675)

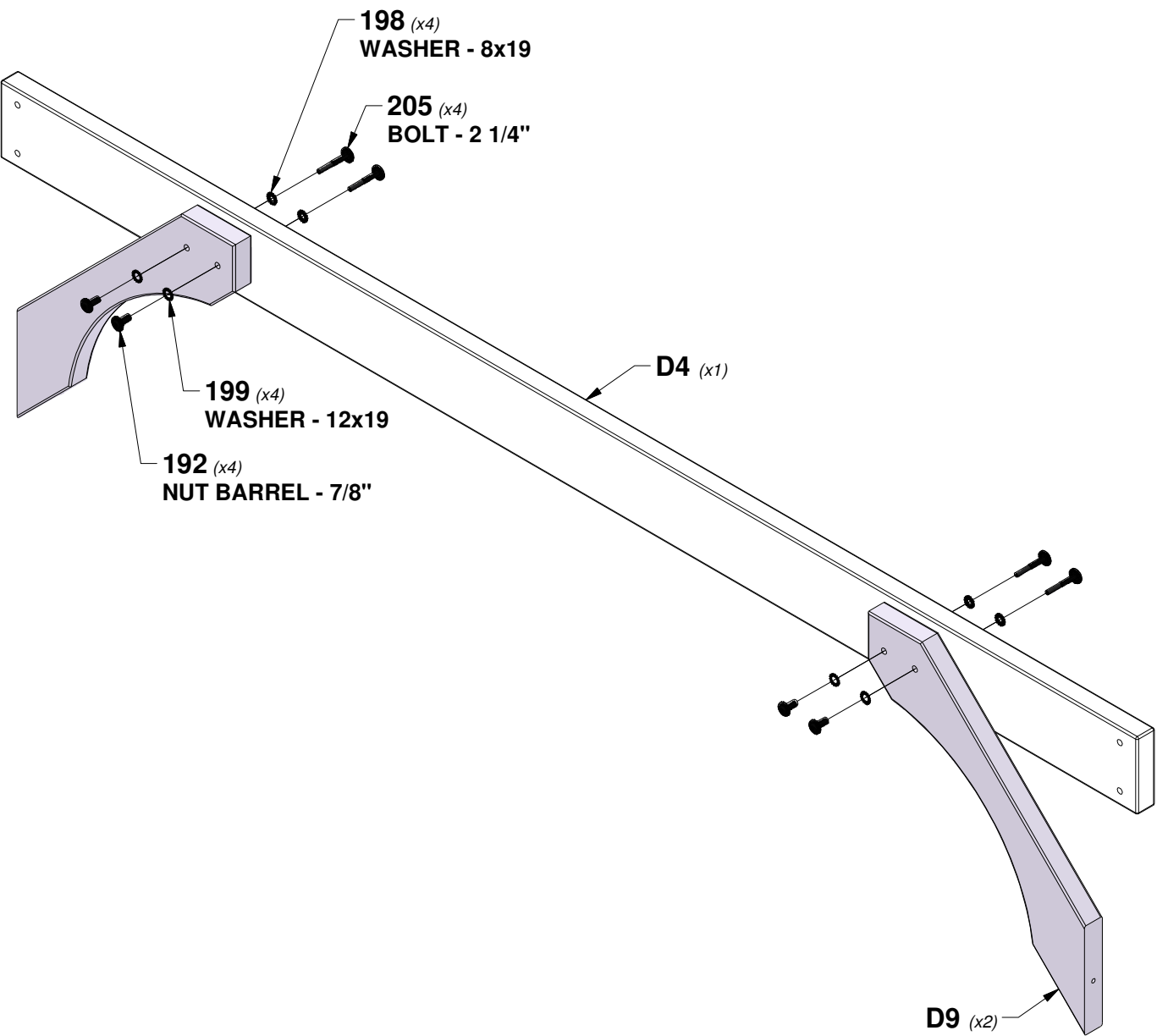


D4 JOIST - W4L18489
(x2) 1 3/8"x5 1/4"x90" (36x134x2286)

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

REPEAT PROCESS FOR OPPOSITE SIDE.

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



STEP 2 - PERGOLA ASSEMBLY



D2 JOIST END - W4L11643
(x4) 1 3/8"x5 1/4"x37 1/2" (36x134x954)



D8 LONG ANGLE BRACE - W4L18490
(x4) 1 3/8"x5 1/4"x33 1/2" (36x134x850)

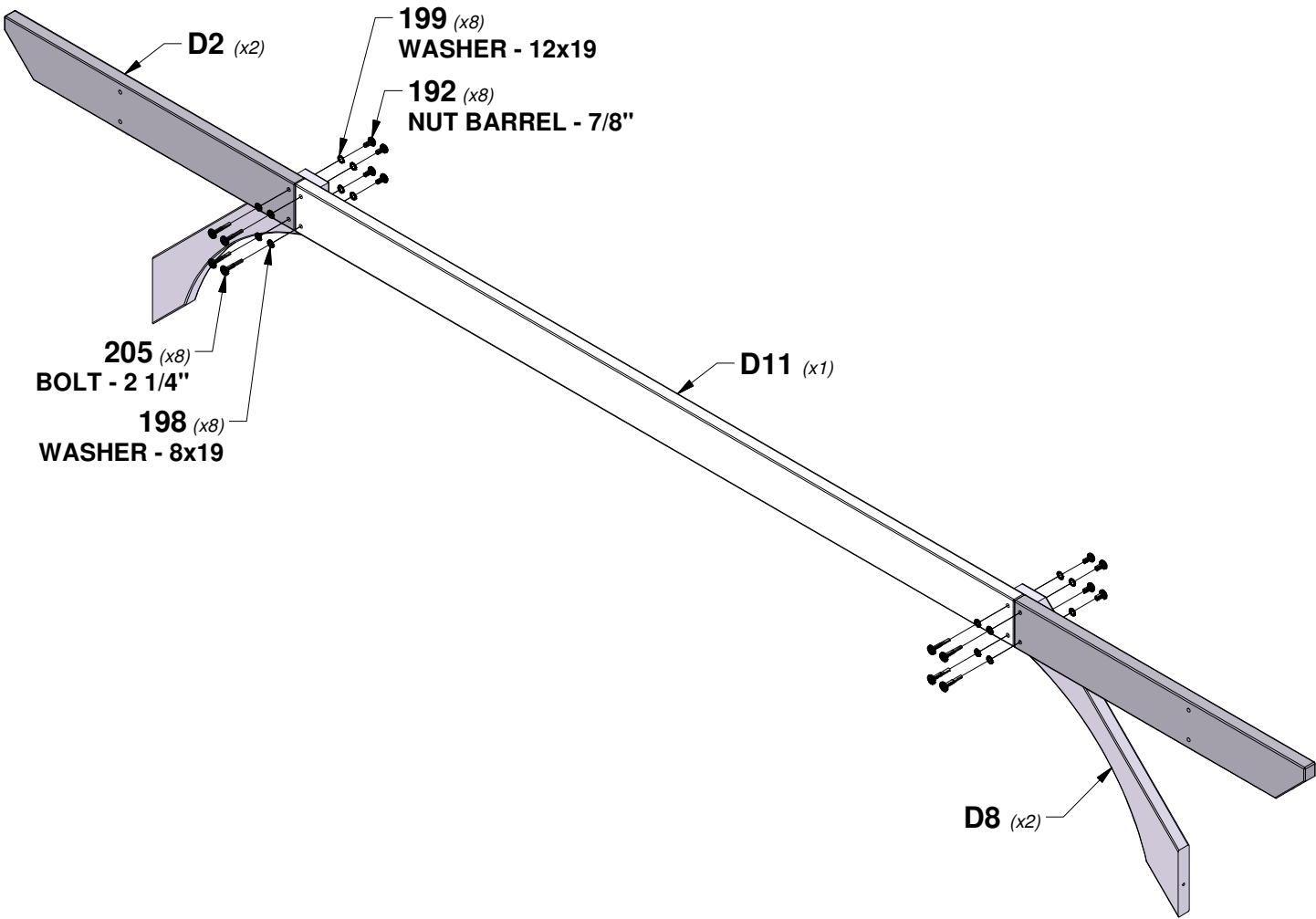
QTY	PART NUMBER	DESCRIPTION
16	H100192	NUT BARREL WH 5/16x7/8 BLK
16	H100198	WASHER LOCK EXT 8x19 BLK
16	H100199	WASHER LOCK EXT 12x19 BLK
16	H100205	BOLT WH 5/16x2-1/4 BLK



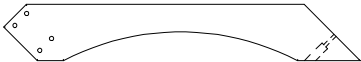
D11 JOIST - W4L11646
(x2) 1 3/8"x5 1/4"x92 7/8" (36x134x2360)

REPEAT PROCESS FOR OPPOSITE SIDE.

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



STEP 3 - PERGOLA ASSEMBLY



D7 JOIST END - W4L11634

(x4) 1 3/8"x5 1/4"x37 1/2" (36x134x954)

D8 LONG ANGLE BRACE - W4L18490

(x4) 1 3/8"x5 1/4"x33 1/2" (36x134x850)

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

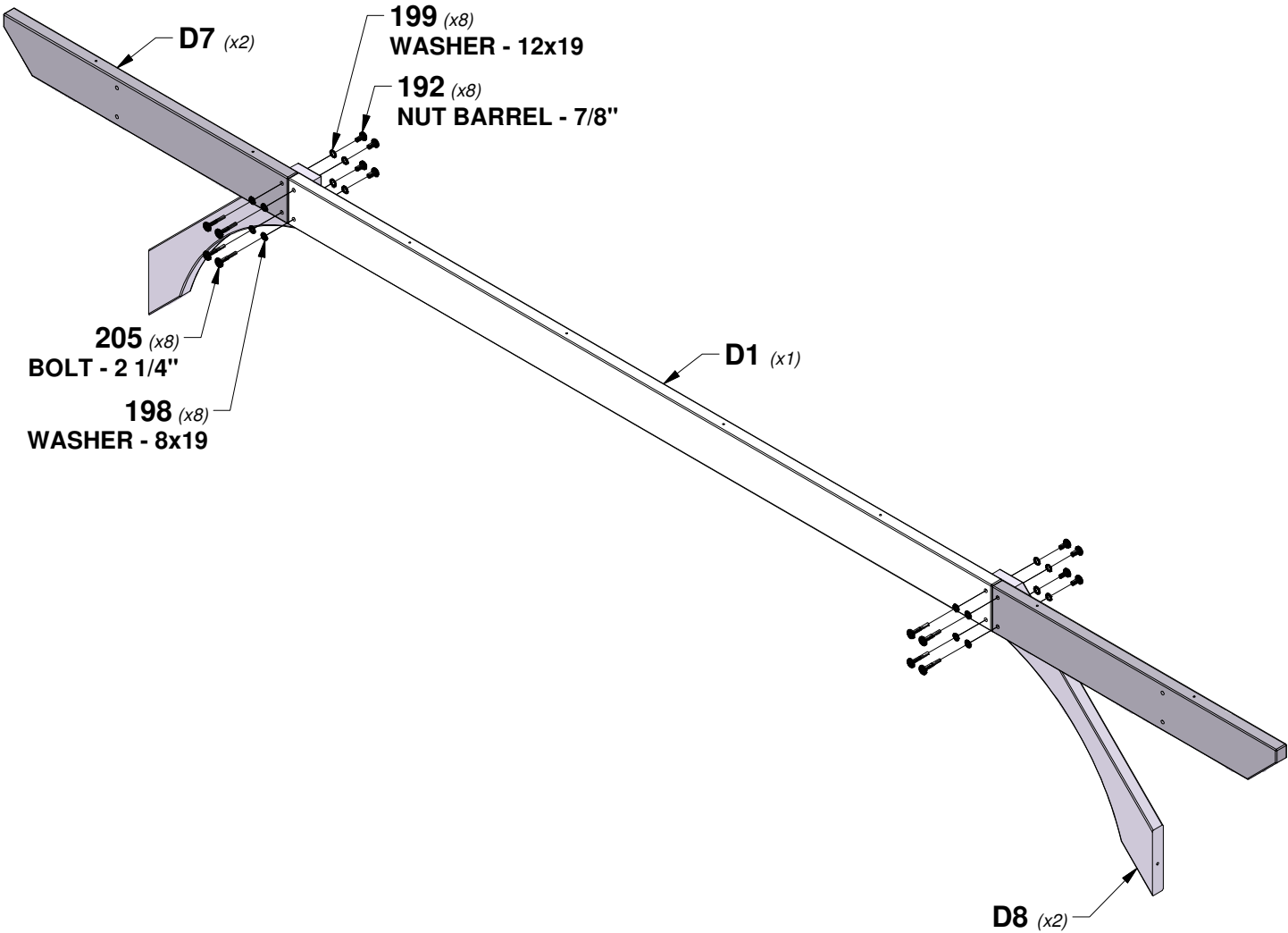


D1 JOIST - W4L11635

(x2) 1 3/8"x5 1/4"x92 7/8" (36x134x2360)

REPEAT PROCESS FOR OPPOSITE SIDE.

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



STEP 4 - PERGOLA ASSEMBLY



D5 JOIST - W4L11638
(x2) 1 3/8"x5 1/4"x90" (36x134x2286)



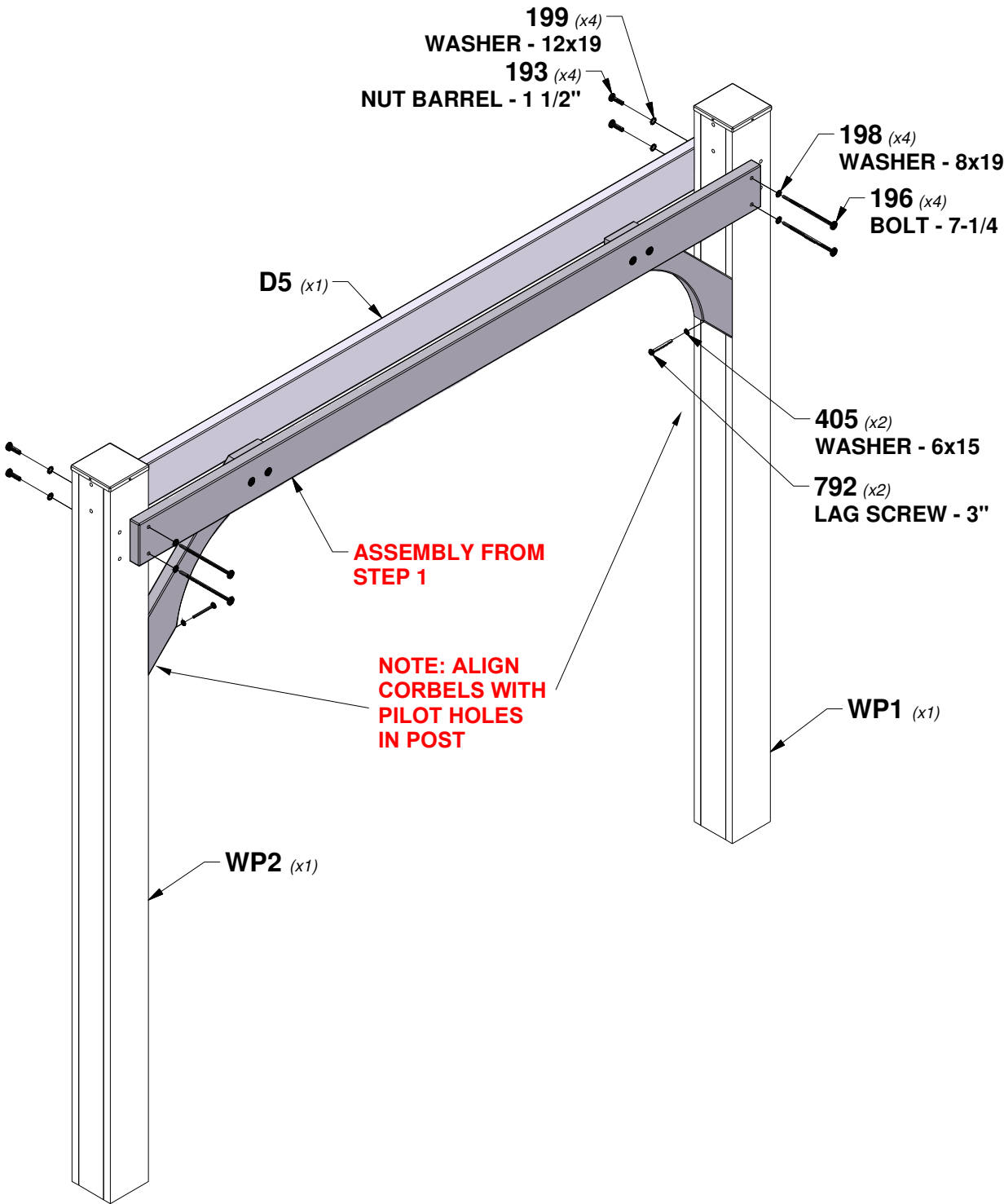
WP2 PERGOLA POST - W2A03771
(x2) 5 1/2"x5 1/2"x89 1/2" (140x140x2273)



WP1 PERGOLA POST - W2A03772
(x2) 5 1/2"x5 1/2"x89 1/2" (140x140x2273)

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.



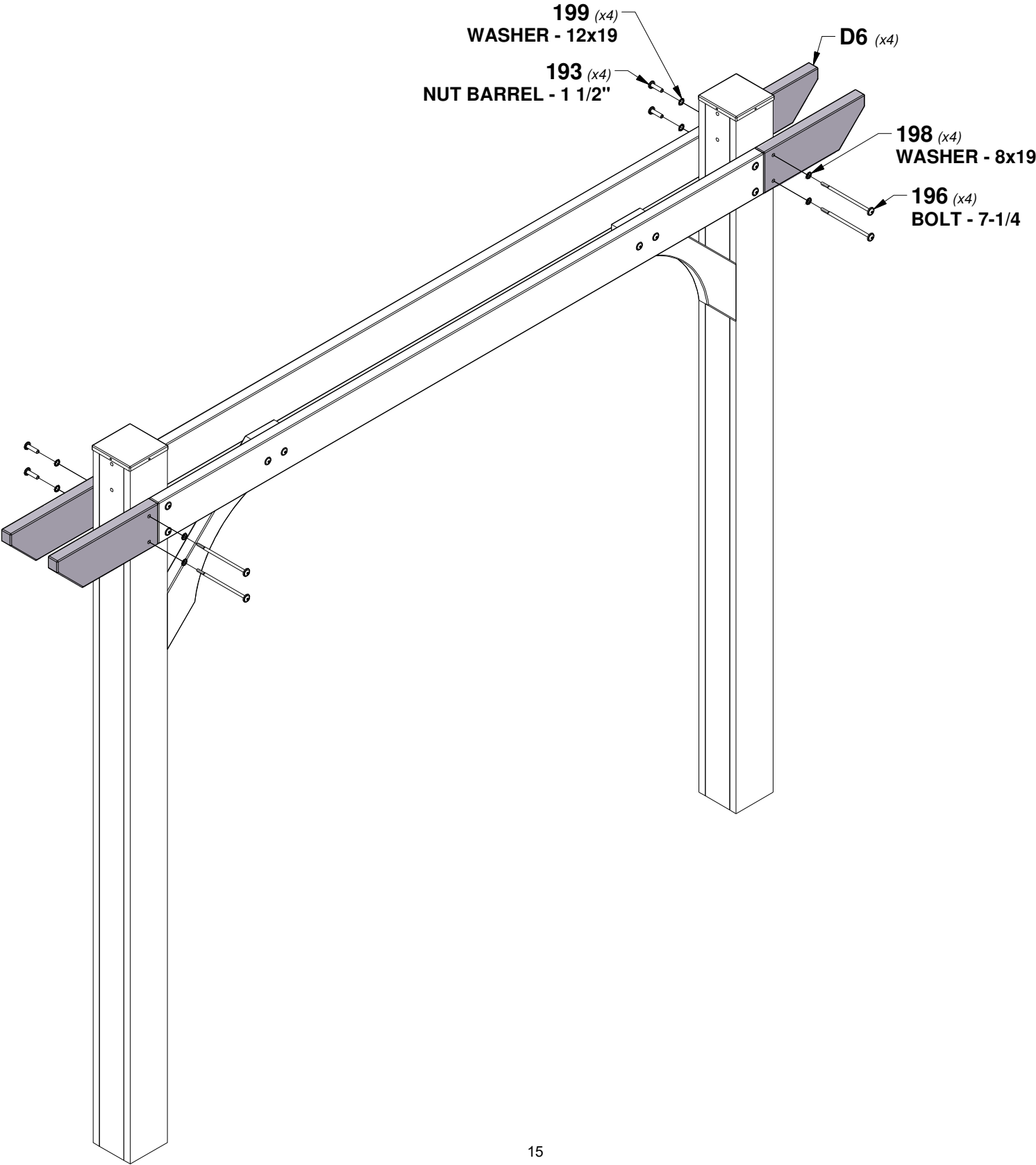
STEP 5 - PERGOLA ASSEMBLY



D6 JOIST END - W4L11633
(x8) 1 3/8"x5 1/4"x15" (36x134x381)

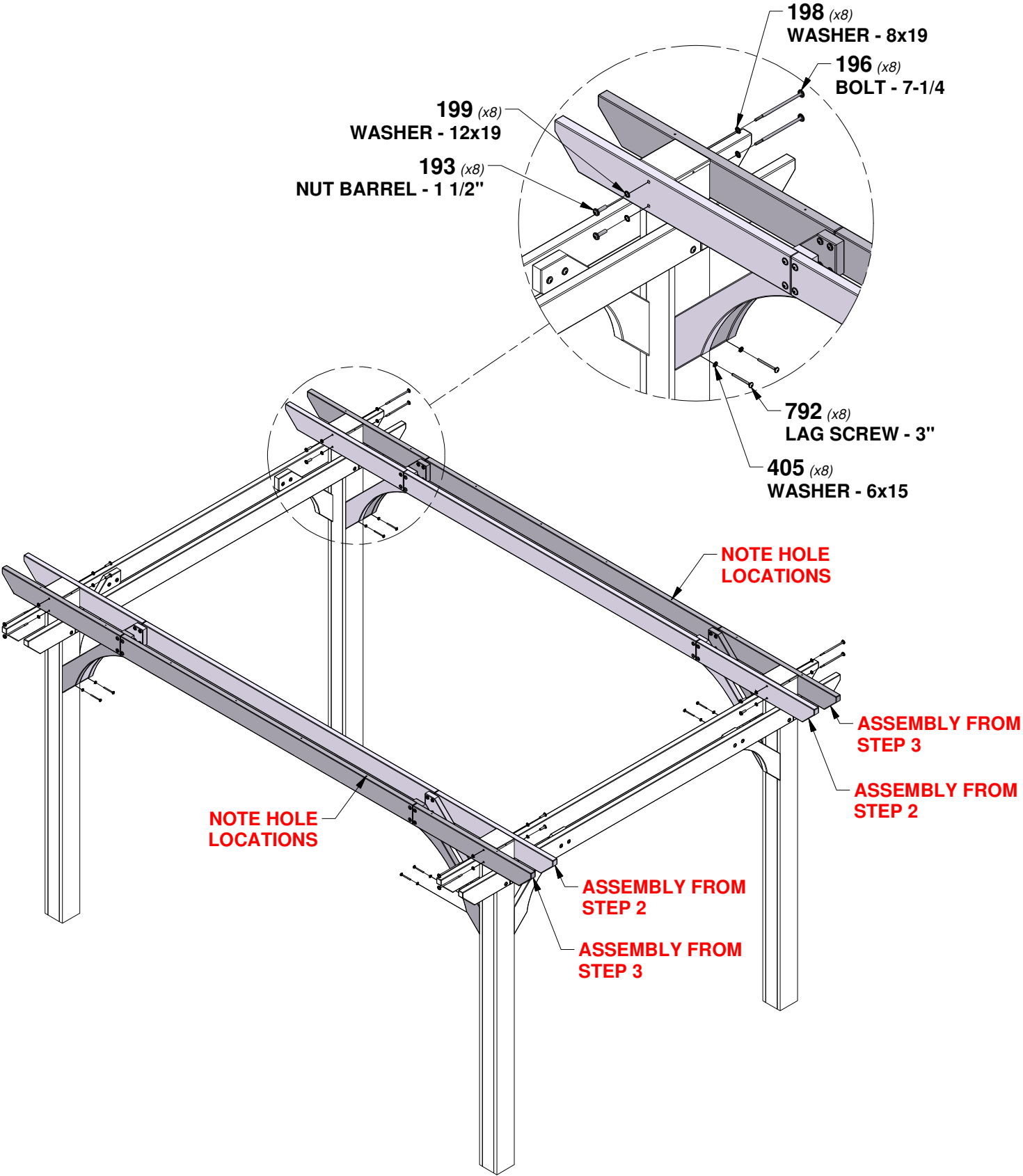
QTY	PART NUMBER	DESCRIPTION
8	H100193	NUT BARREL WH 5/16x1-1/2 BLK
8	H100196	BOLT WH 5/16x7-1/4 BLK
8	H100198	WASHER LOCK EXT 8x19 BLK
8	H100199	WASHER LOCK EXT 12x19 BLK

REPEAT PROCESS FOR OPPOSITE SIDE.



STEP 6 - 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
8	H100405	WASHER LOCK EXT 6x15 BLK
8	H100792	LAG SCREW WH 1/4x3 BLK



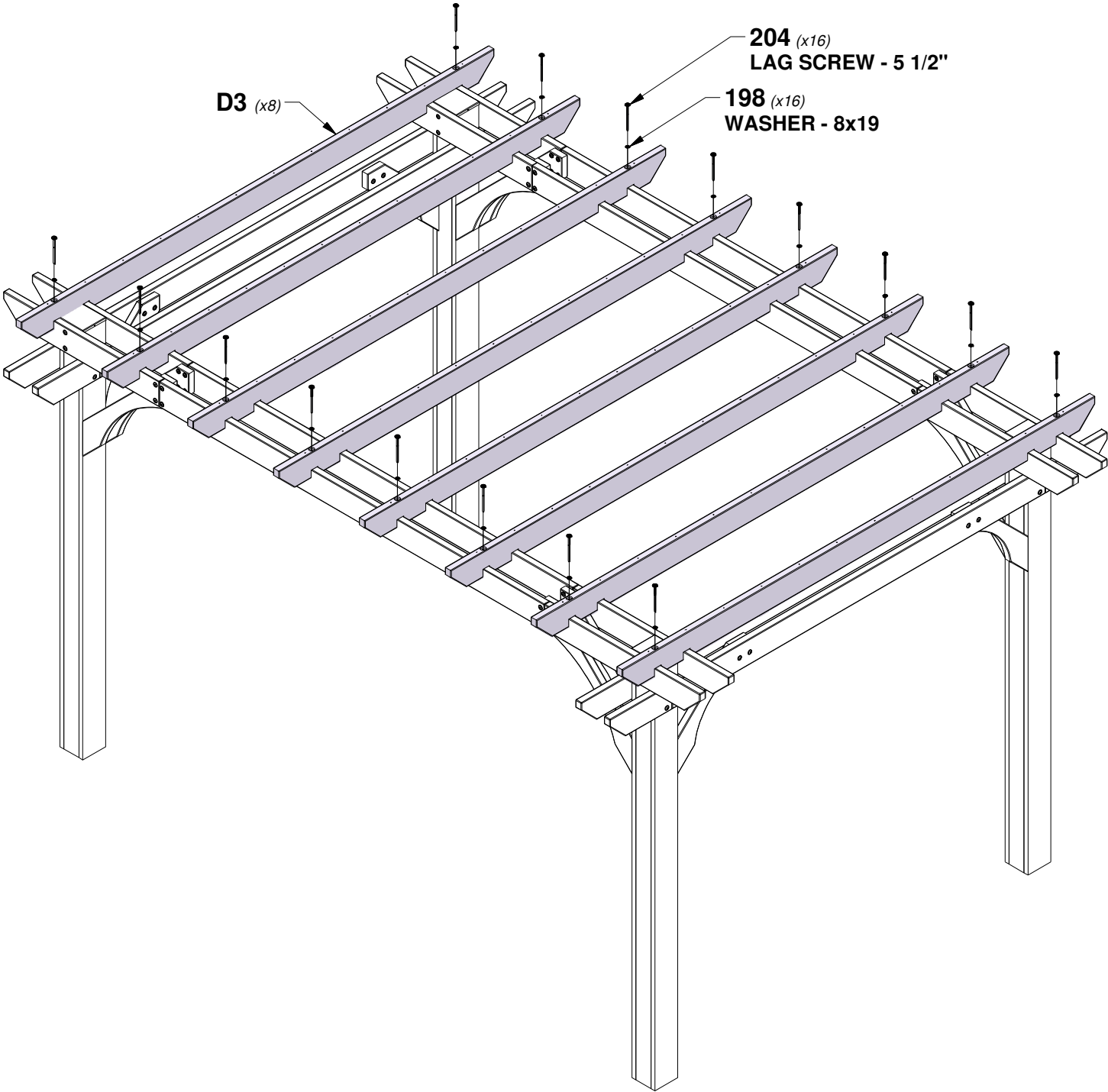
STEP 7 - PERGOLA ASSEMBLY

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



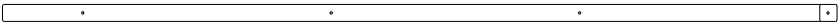
D3 SLOTTED JOIST - W4L11637
(x8) 1 3/8"x5 1/4"x114" (36x134x2896)

ALIGN JOIST OVER PILOT HOLES IN LOWER JOIST

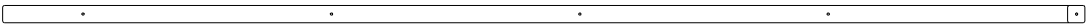


STEP 8 - PERGOLA ASSEMBLY

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

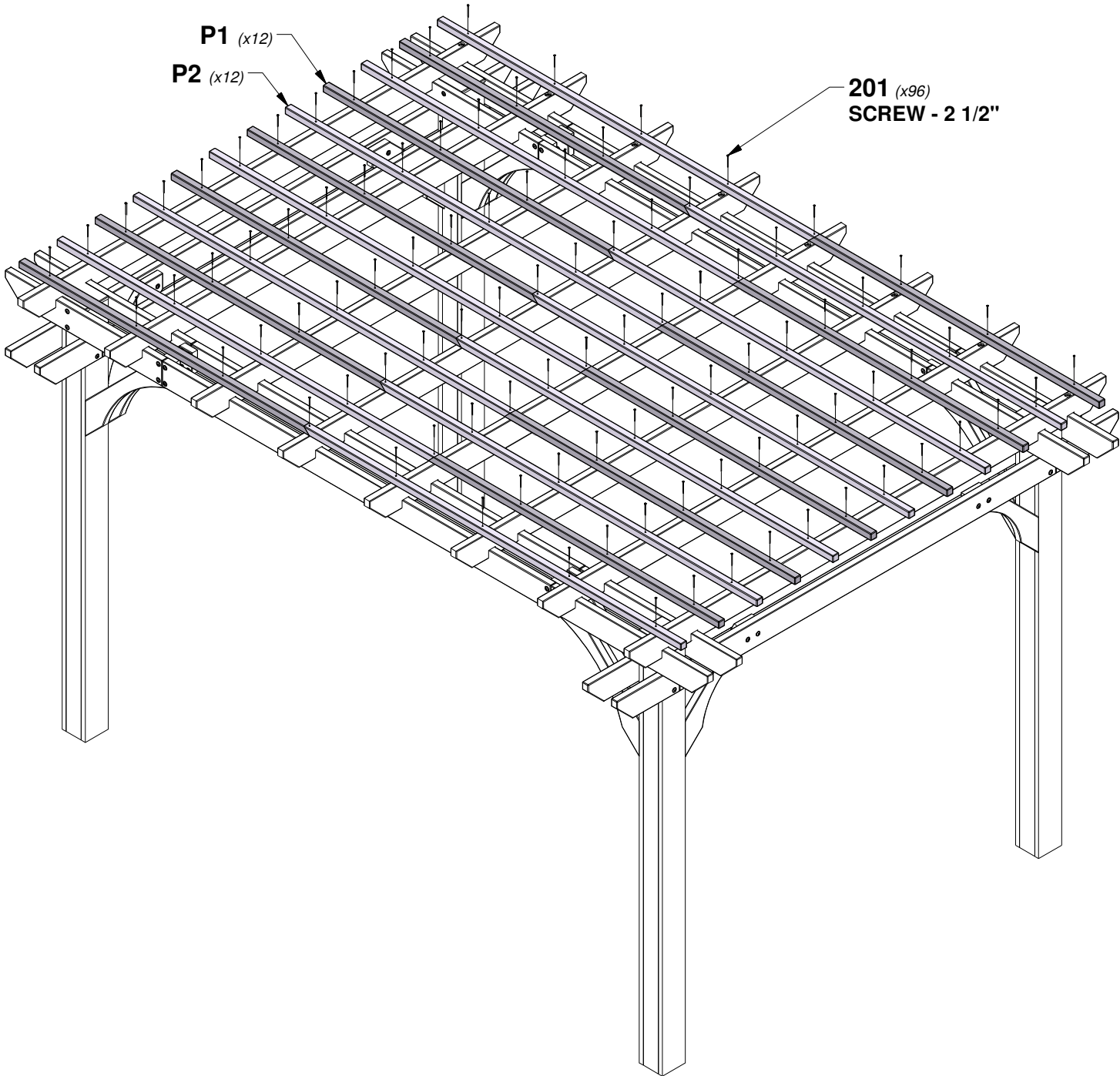


P1 PURLIN - W4L11639
(x12) 1 3/8"x1 3/8"x69 5/8" (36x36x1767)

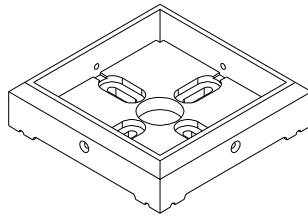


P2 PURLIN - W4L11640
(x12) 1 3/8"x1 3/8"x90 1/4" (36x36x2291)

ASSEMBLE REMAINING P1 AND P2 PURLINS ALTERNATING LOCATIONS AS SHOWN.



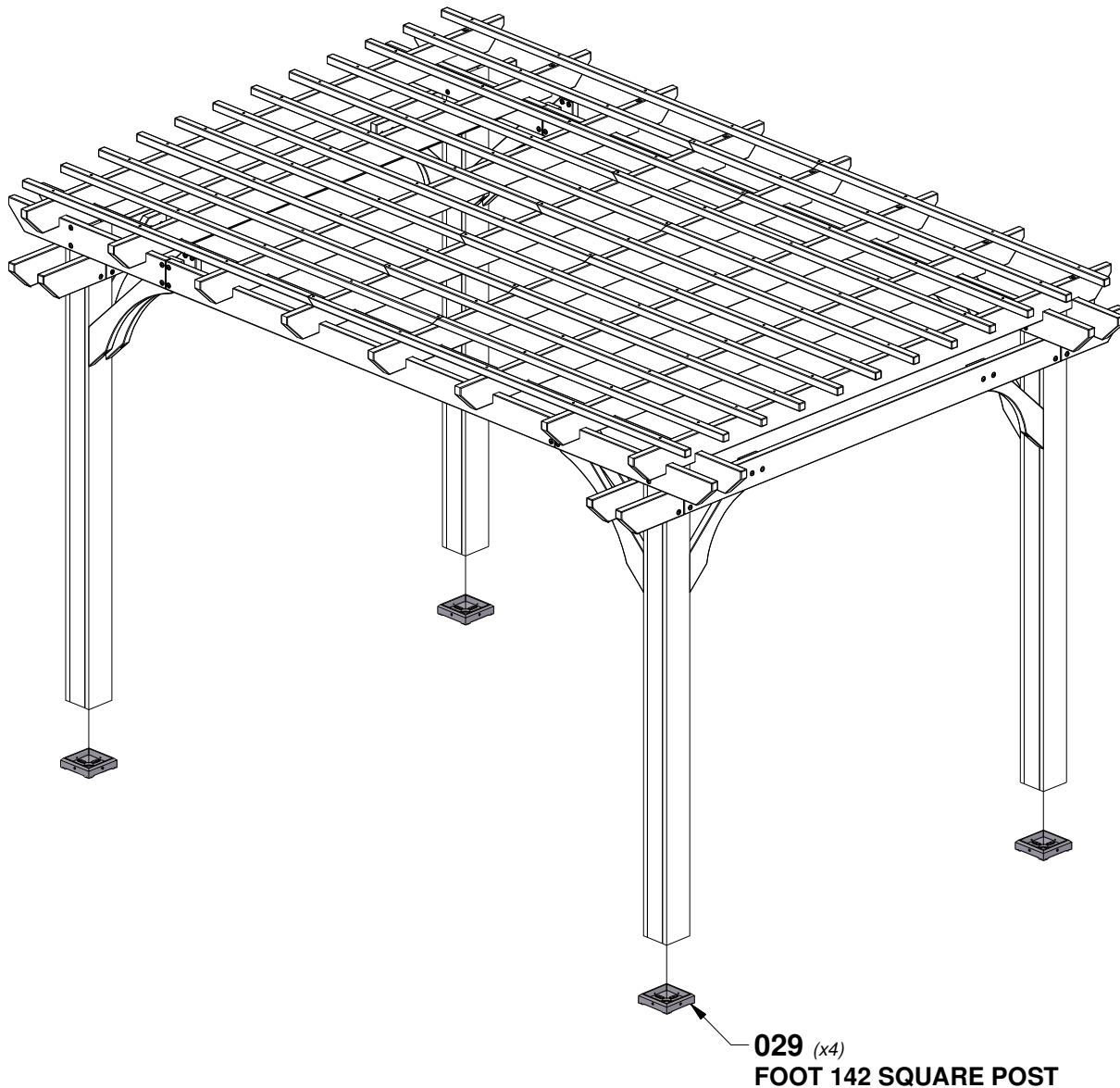
STEP 9 - PERGOLA ASSEMBLY



A100029
(x4) | FOOT 142 SQUARE POST

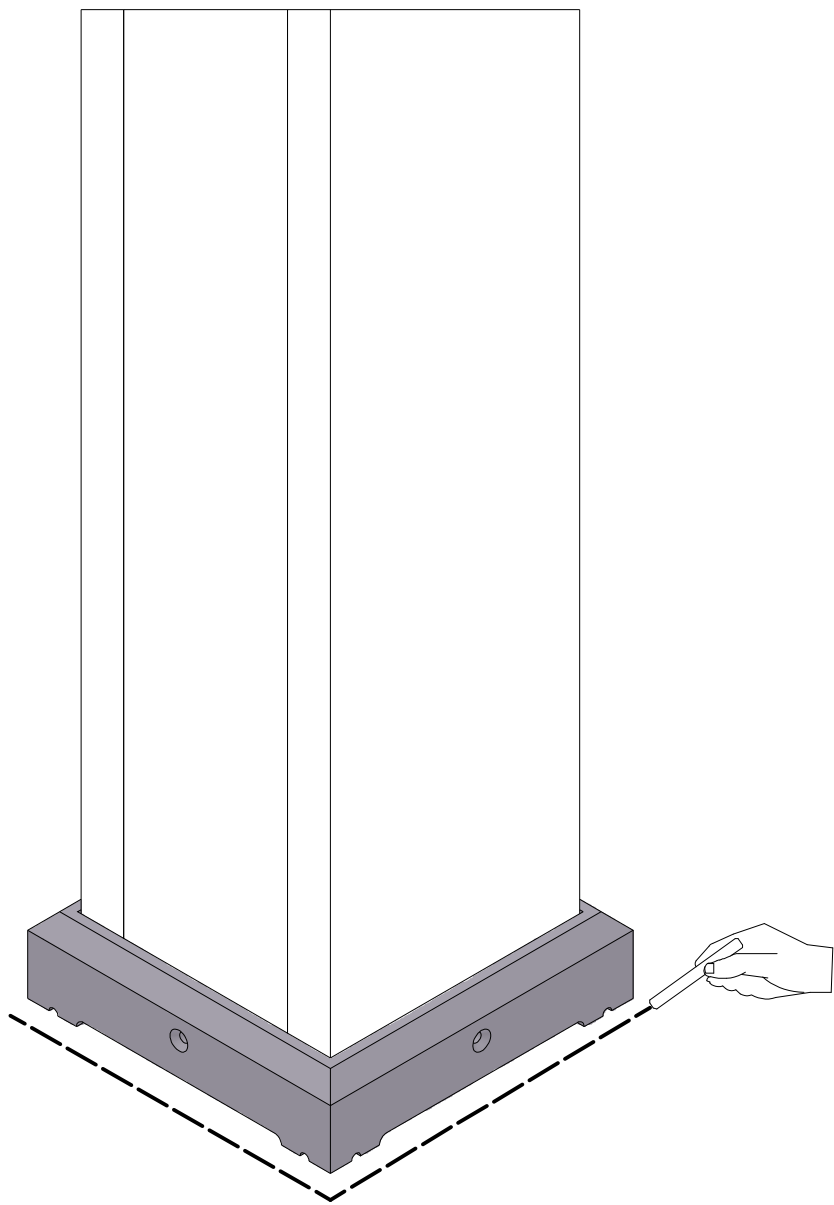
DECIDE WHERE TO PLACE THE PERGOLA; GRASS, CONCRETE OR OTHER MATERIAL. PLACE THE PERGOLA EXACTLY WHERE IT WILL BE ANCHORED WHEN COMPLETED AND SLIDE A FOOT UNDER EACH POST 'WP1'.

NOTE:
IF NOT PLACING ON CONCRETE, PROCEED TO STEP 13.



STEP 10 - PERGOLA ASSEMBLY

USE CHALK TO TRACE AROUND THE EDGES OF EACH FOOT.

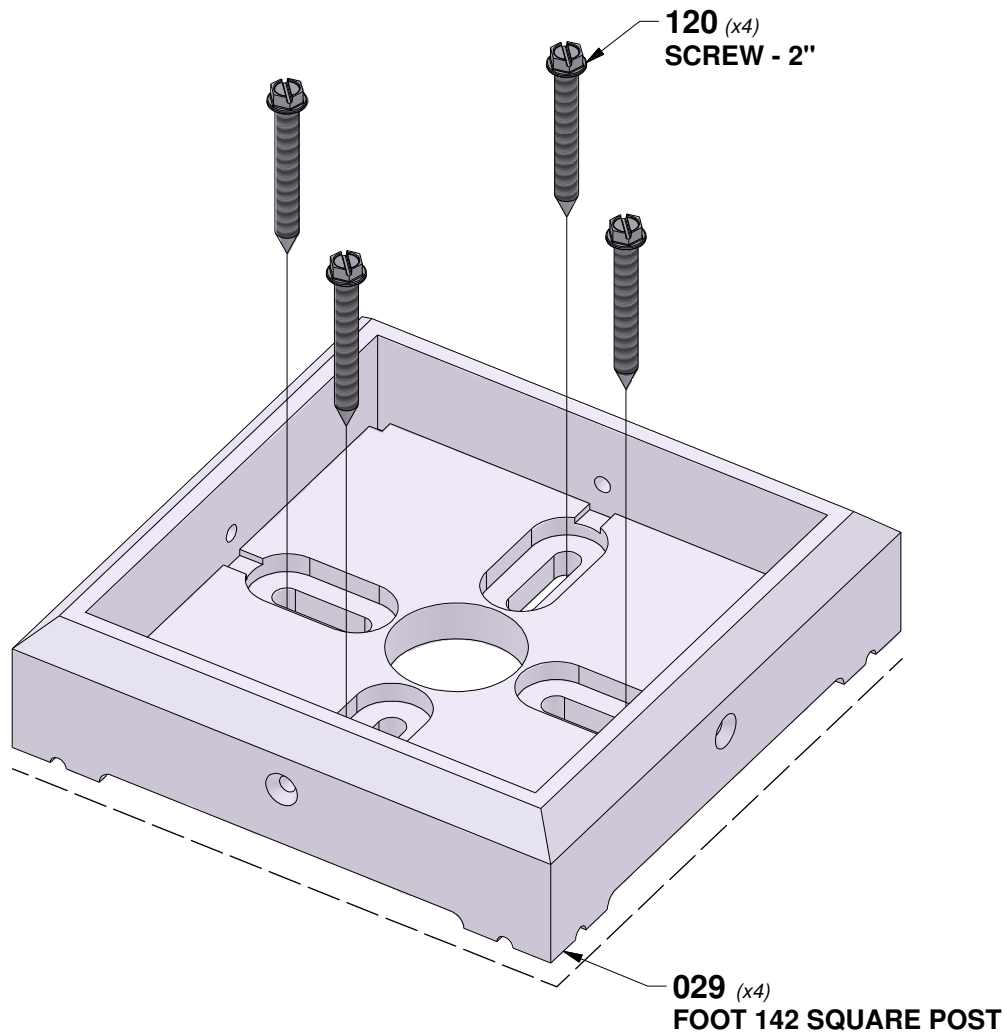


STEP 11 - PERGOLA ASSEMBLY

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

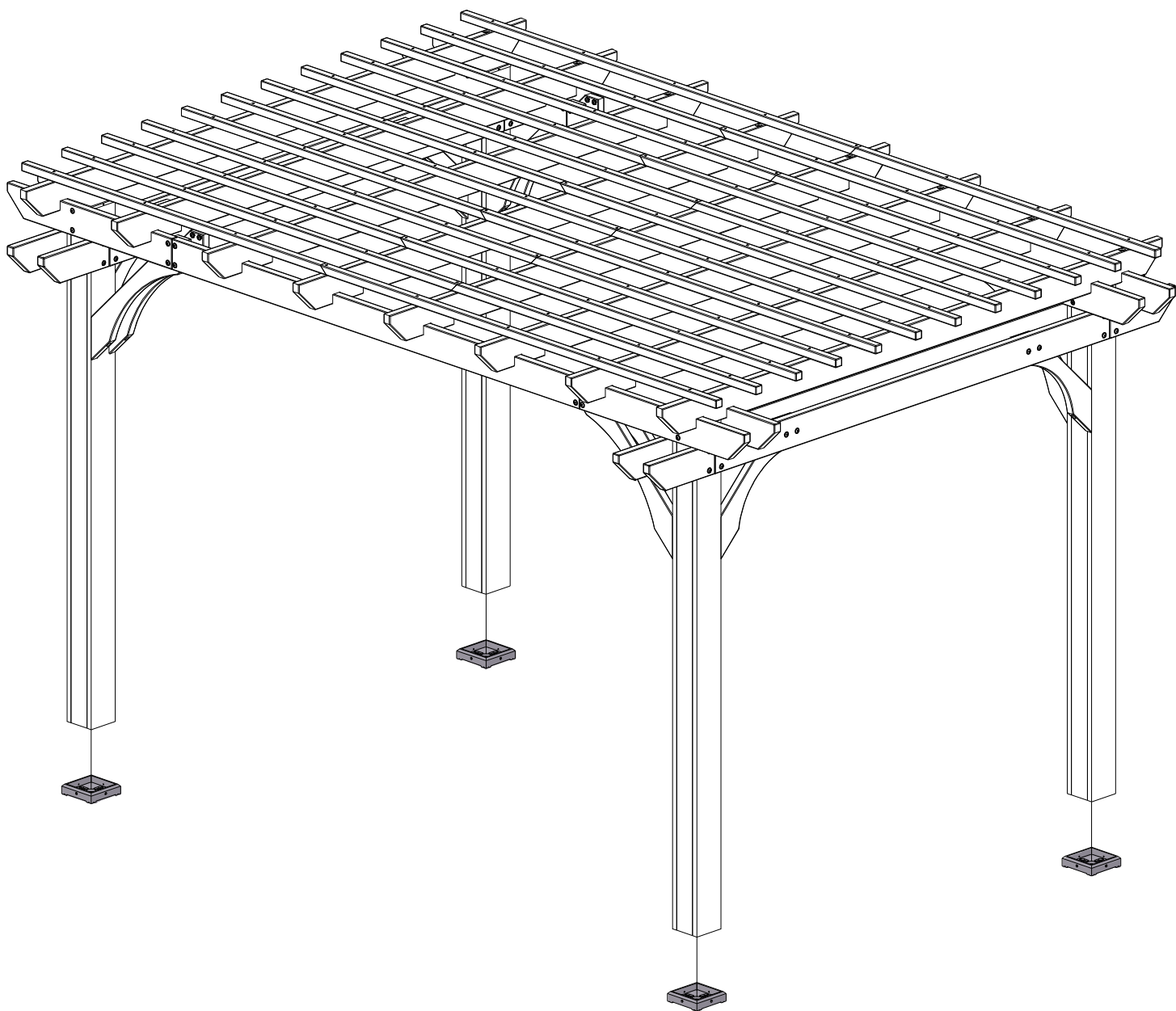
MOVE THE PERGOLA ASIDE. PLACE EACH FOOT INSIDE OF THE LINES DRAWN IN STEP 14. USING A CONCRETE DRILL BIT, PILOT DRILL ATTACHMENT HOLES INTO THE CONCRETE PAD.

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



STEP 12 - PERGOLA ASSEMBLY

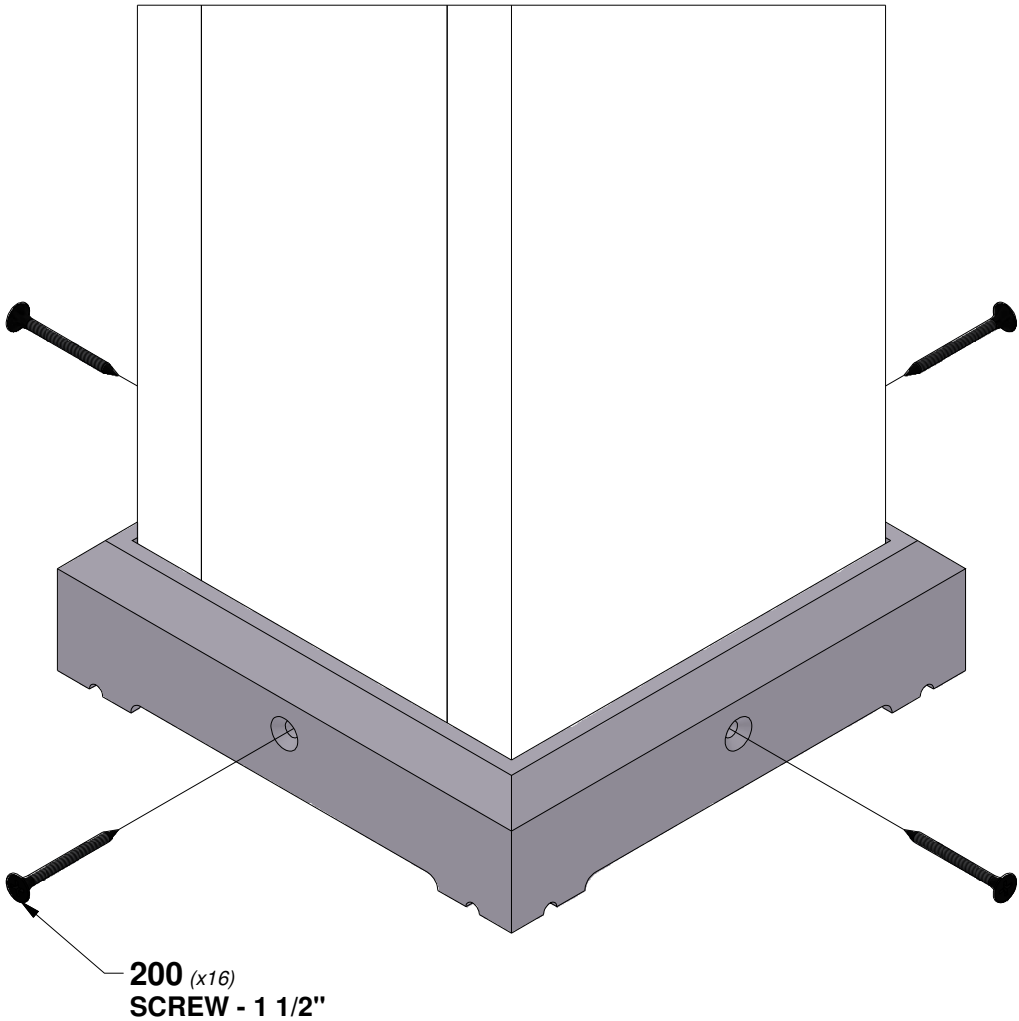
SET THE PERGOLA BACK IN PLACE, SETTING EACH POST 'WP1' INSIDE AN FOOT.



STEP 13 - 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 14 - PERGOLA ASSEMBLY

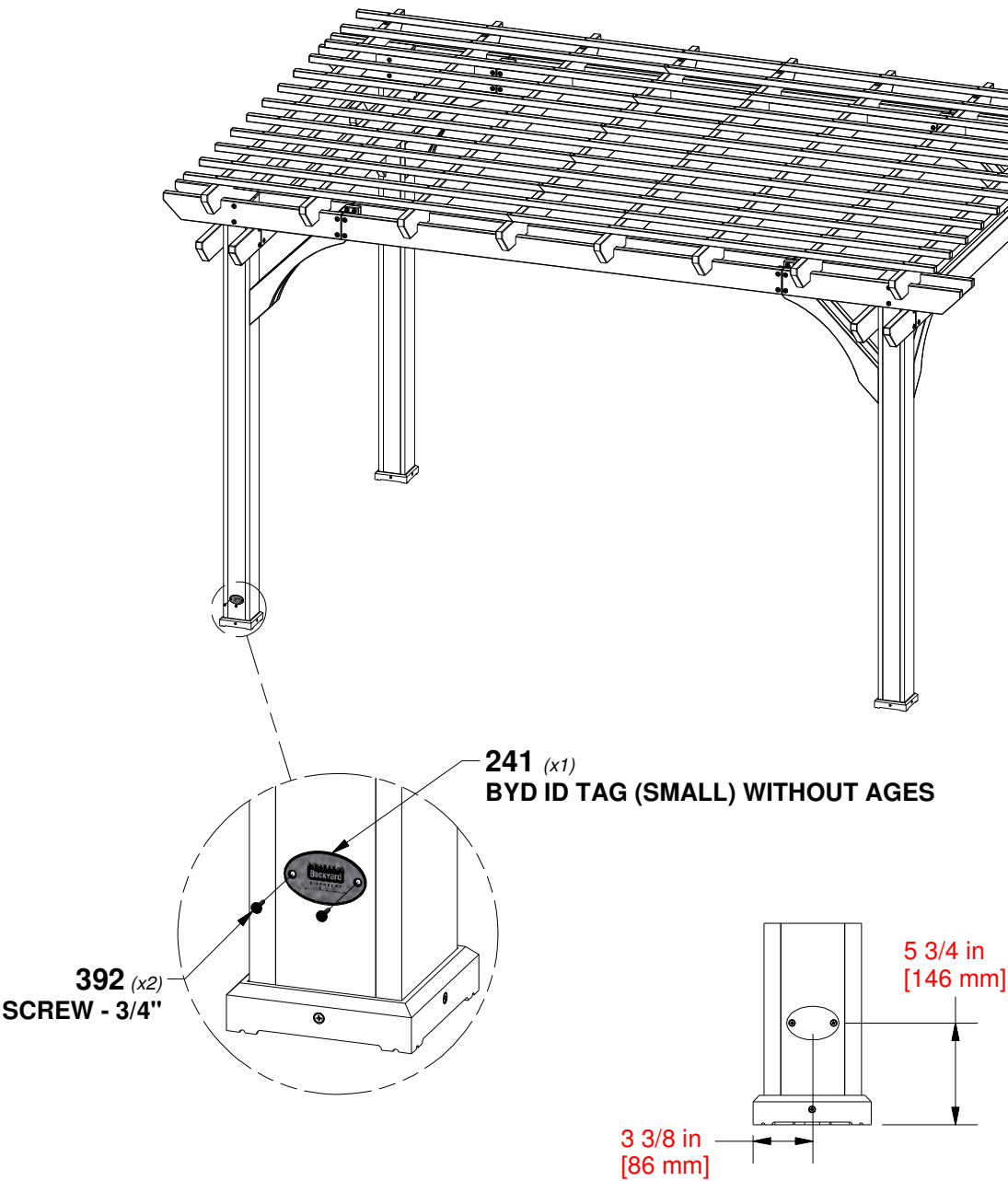


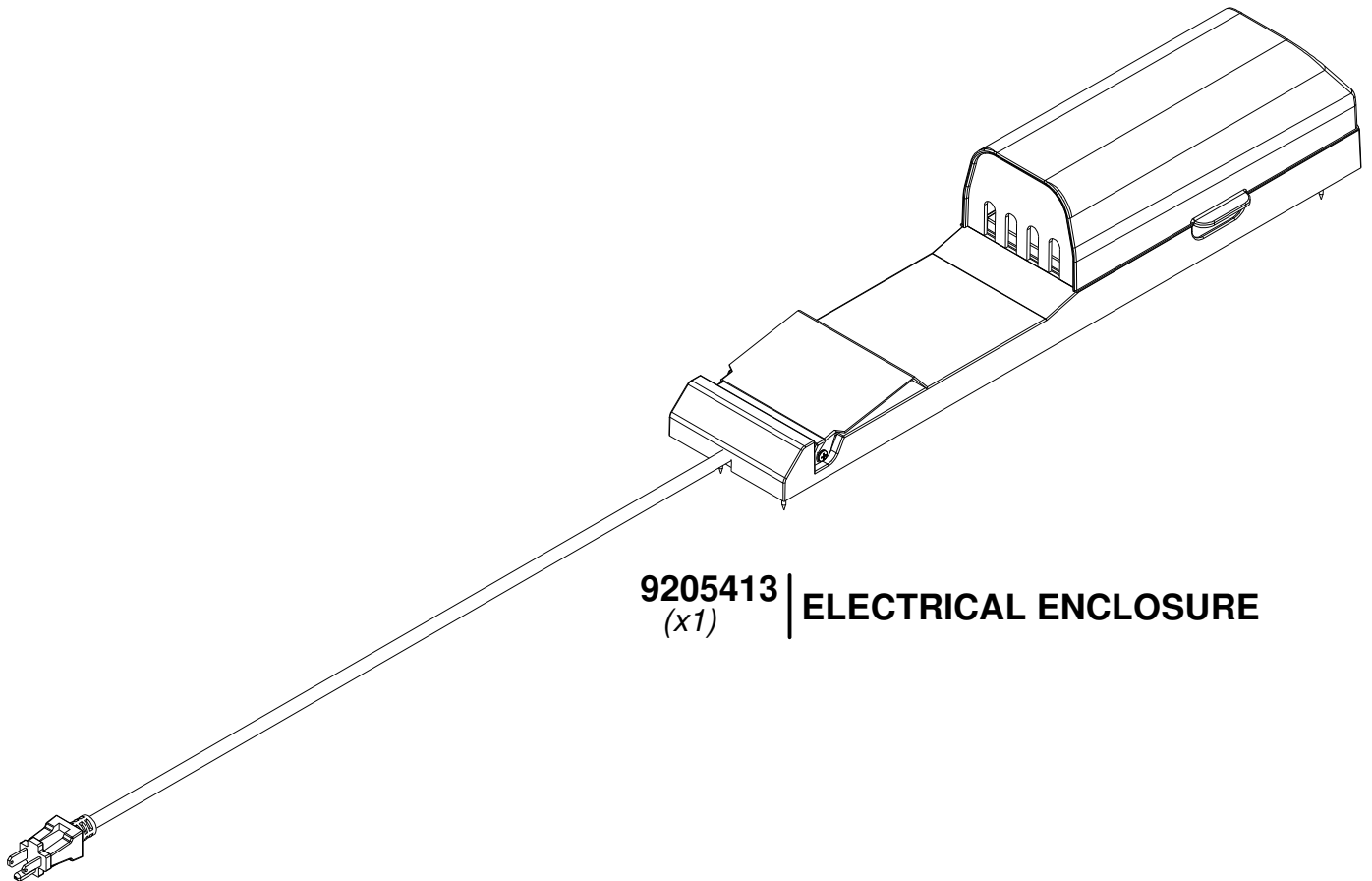
A100241 (x1) | BYD ID TAG (SMALL) WITHOUT AGES

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

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.