



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

Basepoint Business Centre: Rivermead Drive, Westlea, Swindon SN5 7EX Phone: 0800-118-2476
J.P. Coenstraat 7, The Bridge, The Hague, 2595 WP, Netherlands Phone: 08005678990

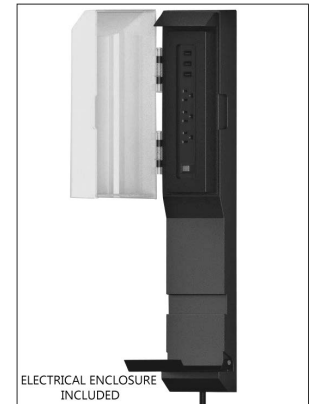
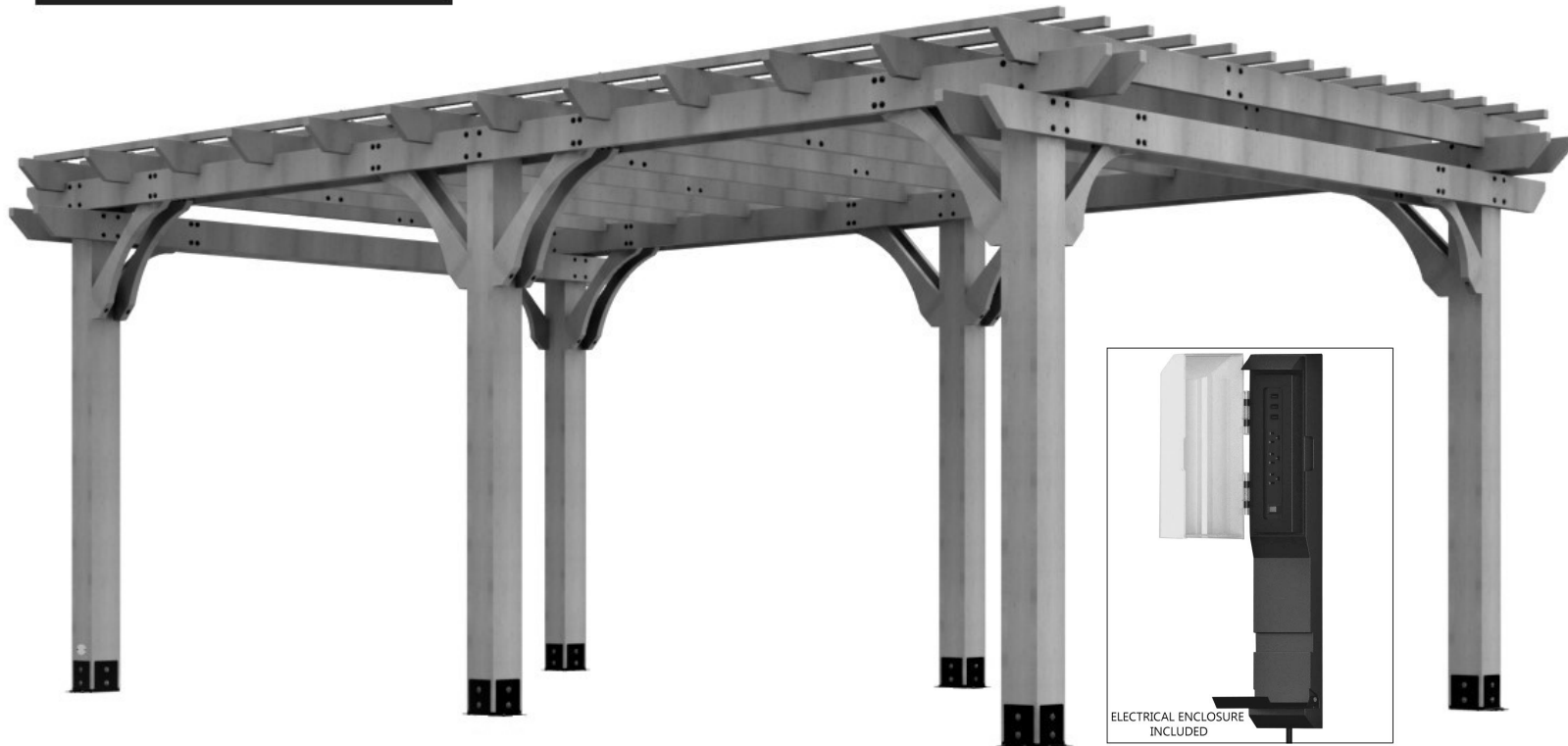
BEAUMONT 20X12 PERGOLA

MODEL: # 2101579



WARNING

Cancer and Reproductive Harm
www.P65Warnings.ca.gov



ELECTRICAL ENCLOSURE INCLUDED
ONLY AVAILABLE 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



Made in China

INS-2101579-A-BEAUMONT 20X12 PERGOLA ENG 08-04-23

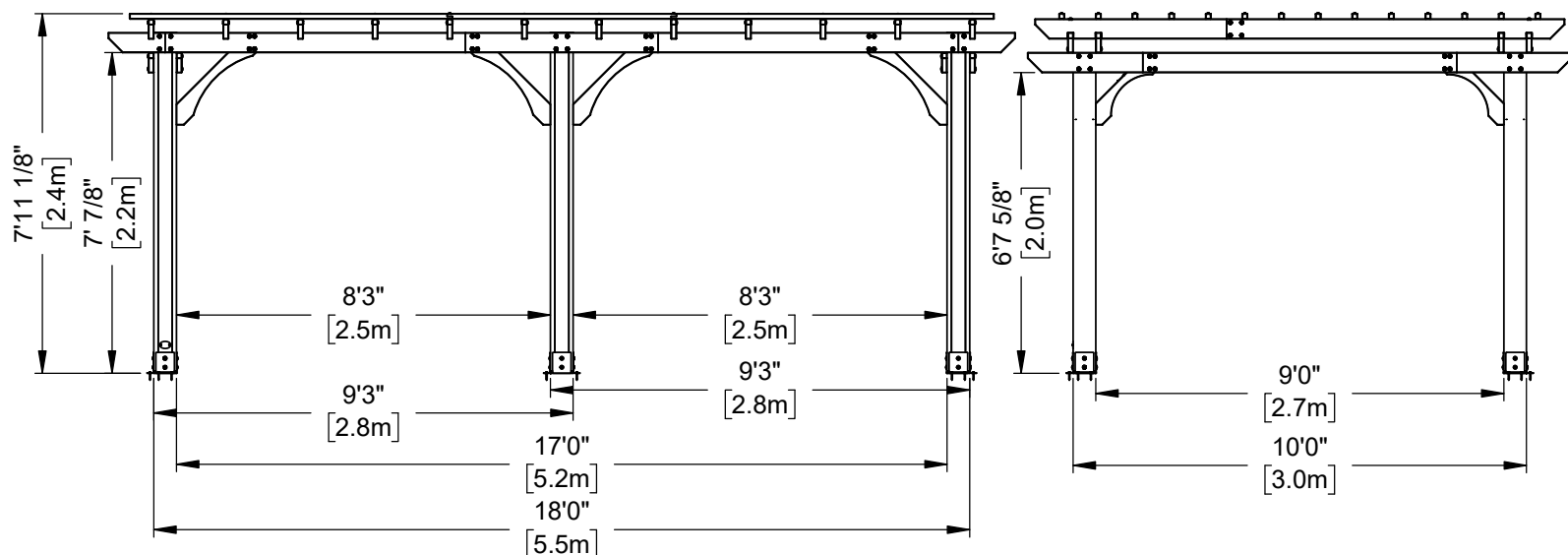
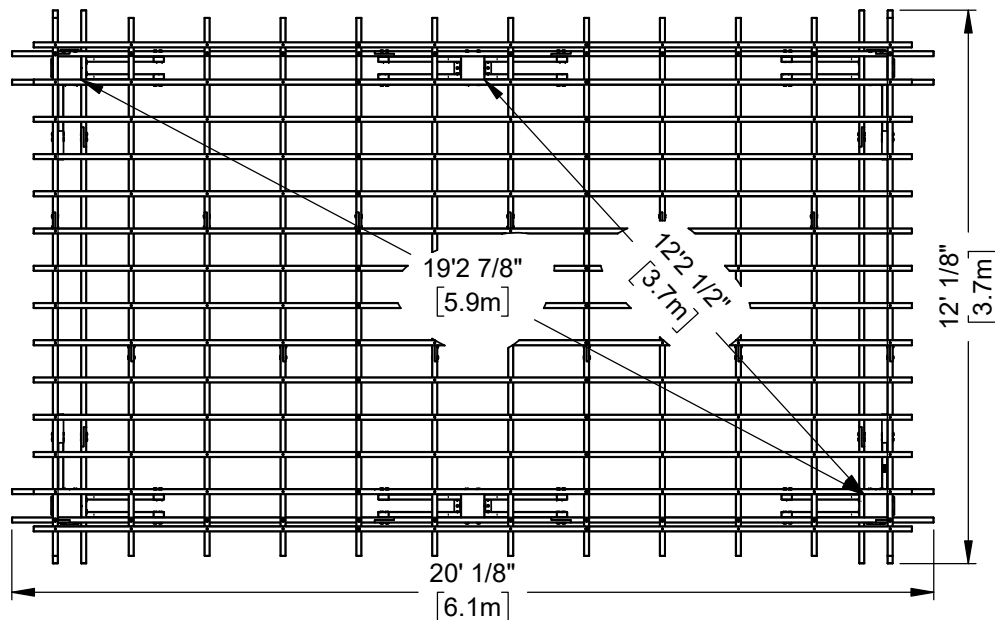
OWNER'S MANUAL - BASIC SETUP DIMENSIONS & ASSEMBLY NOTES

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

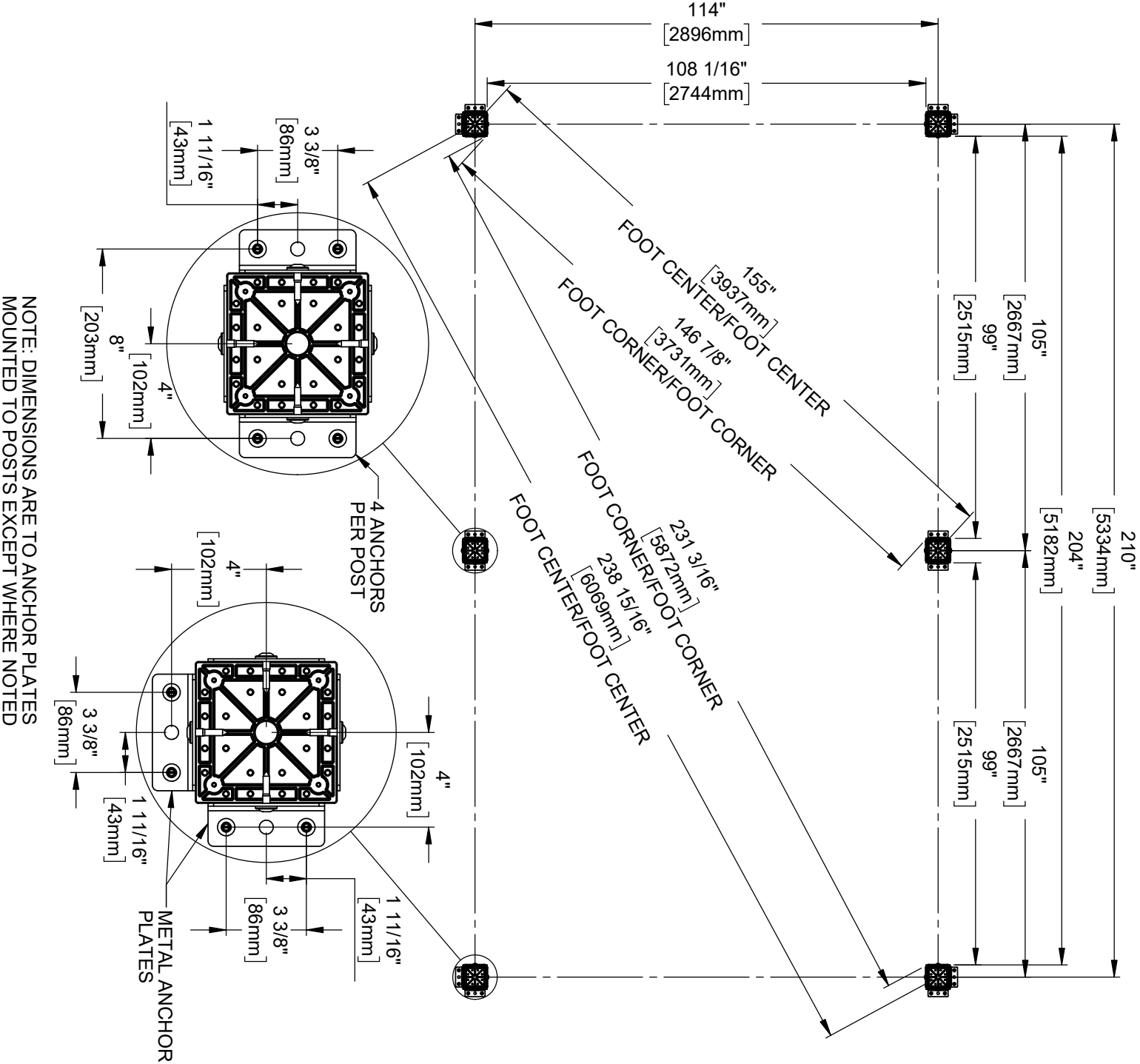
- Pay close attention to the items needed for each step. Make sure you are using the correct hardware for each step. Using incorrect hardware may result in improper assembly
- Remember to double check for underground utilities and overhead electrical lines

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

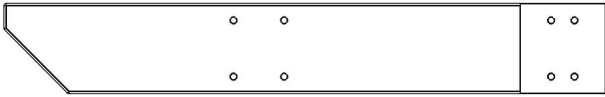


OWNER'S MANUAL - PARTS IDENTIFICATION

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 - W4L15529
(2) | 1 3/8"x5 1/4"x15" (36x134x382)



D06 | JOIST END - W4L15530
(2) | 1 3/8"x5 1/4"x15" (36x134x382)



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



D08 | JOIST - W4L15523
(2) | 1 3/8"x5 1/4"x87 1/2" (36x134x2223)



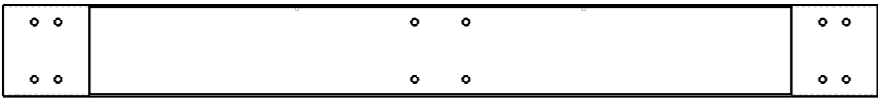
D09 | JOIST - W4L15524
(2) | 1 3/8"x5 1/4"x87 1/2" (36x134x2223)



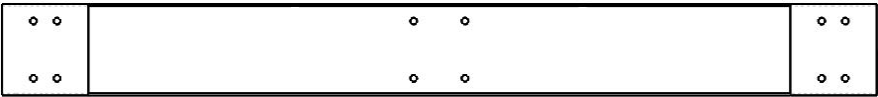
D10 | JOIST - W4L15525
(2) | 1 3/8"x5 1/4"x87 1/2" (36x134x2223)



D16 | JOIST - W4L15526
(2) | 1 3/8"x5 1/4"x87 1/2" (36x134x2223)



D17 | JOIST - W4L15527
(2) | 1 3/8"x5 1/4"x51" (36x134x1296)



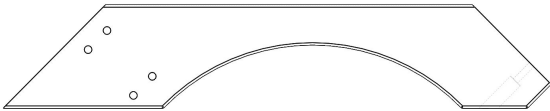
D18 | JOIST - W4L15528
(2) | 1 3/8"x5 1/4"x51" (36x134x1296)

OWNER'S MANUAL - PARTS IDENTIFICATION

Wood Components (Not to Scale)



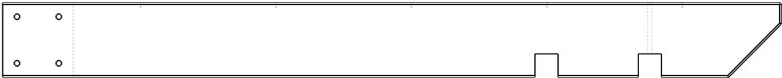
D11 | CORBEL - W4L15510
(16) | 1 3/8"x5 1/4"x32 1/2" (36x134x826)



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



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



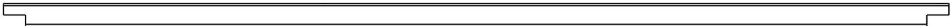
D14 | SLOTTED JOIST - W4L15515
(12) | 1 3/8"x5 1/4"x55 3/4" (36x134x1416)



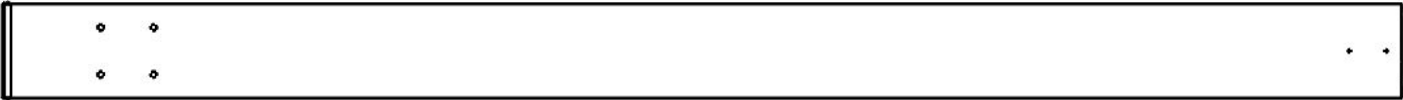
D15 | SLOTTED JOIST - W4L15517
(12) | 1 3/8"x5 1/4"x89 1/2" (36x134x2274)



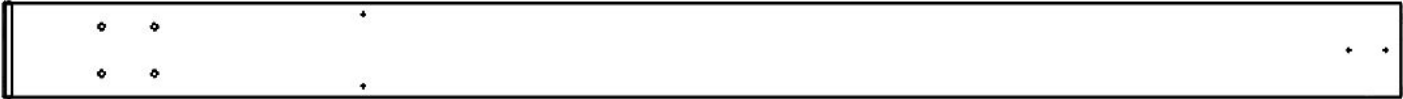
P10 | PURLIN END - W4L15531
(28) | 1 3/8"x1 3/8"x85 1/2" (36x36x2171)



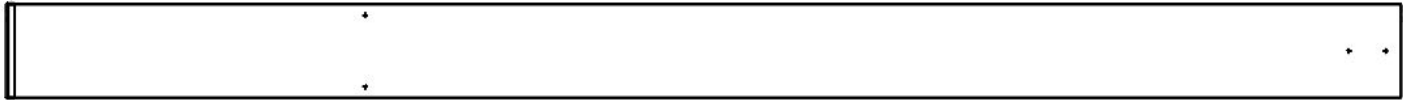
P11 | PURLIN - W4L15532
(14) | 1 3/8"x1 3/8"x60 3/4" (36x36x1542)



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



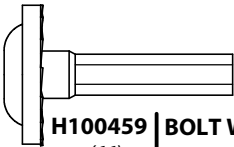
P02 | POST - W2A03242
(2) | 6"x6"x89 1/2" (152x152x2274)



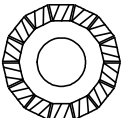
P03 | POST - W2A03244
(2) | 6"x6"x89 1/2" (152x152x2274)

OWNER'S MANUAL - PARTS IDENTIFICATION

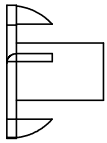
Hardware Components



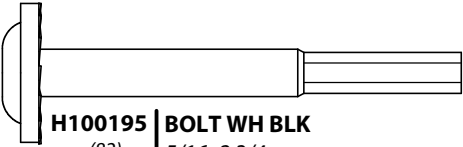
H100459 | BOLT WH BLK
(66) 5/16x1 1/4



H100198 | WASHER LOCK
(214) EXT BLK 8x19



H100379 | T-NUT BLK
(187) 5/16x5/8



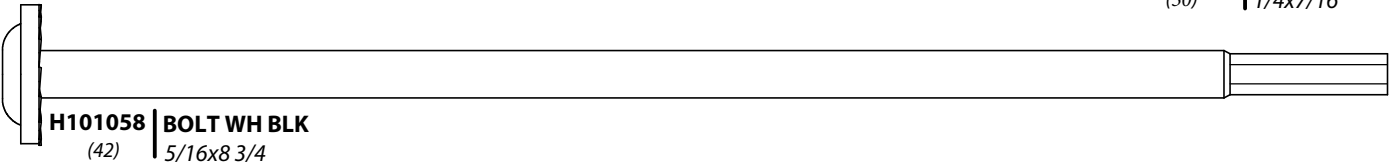
H100195 | BOLT WH BLK
(82) 5/16x2 3/4



H100405 | WASHER LOCK
(52) EXT BLK 6x15



H100398 | T-NUT BLK
(30) 1/4x7/16



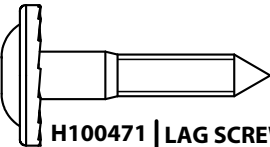
H101058 | BOLT WH BLK
(42) 5/16x8 3/4



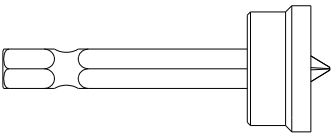
H100204 | LAG SCREW WH BLK
(26) 5/16x5 1/2



H100201 | SCREW PFH BLK
(145) 8x2 1/2



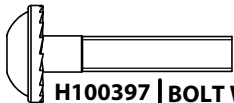
H100471 | LAG SCREW WH BLK
(50) 5/16x1 1/2



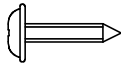
H100764 | SCREW SETTER
(1)



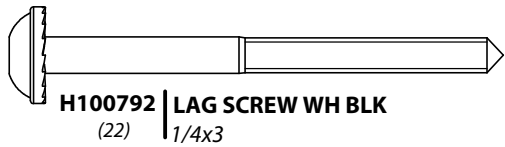
H100200 | SCREW PFH BLK
(26) 8x1 1/2



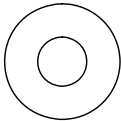
H100397 | BOLT WH BLK
(30) 1/4x1 1/4



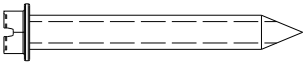
H100202 | SCREW PWH BLK
(2) 8x5/8



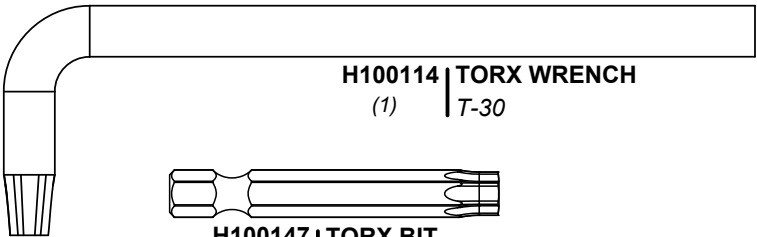
H100792 | LAG SCREW WH BLK
(22) 1/4x3



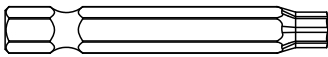
H100630 | WASHER FLAT BLK
(26) 8x19



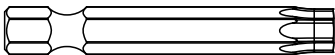
H100120 | SCREW CONCRETE ANCHOR
(26) 1/4x2



H100114 | TORX WRENCH
(1) T-30

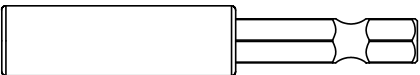
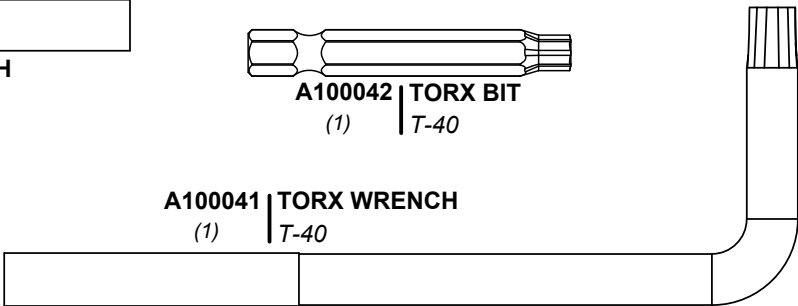


A100042 | TORX BIT
(1) T-40



H100147 | TORX BIT
(1) T-30

A100041 | TORX WRENCH
(1) T-40



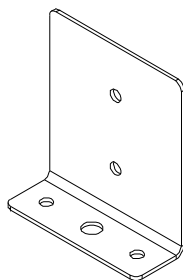
H101100 | MAGNETIC DRIVER
(1)

OWNER'S MANUAL - PARTS IDENTIFICATION

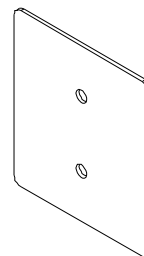
Accessory Components (Not to Scale)



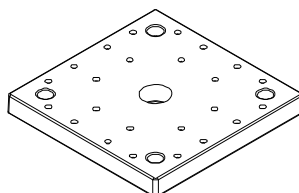
A100241 | **BYD ID TAG**
(1) | **(SMALL)**
WITHOUT AGES



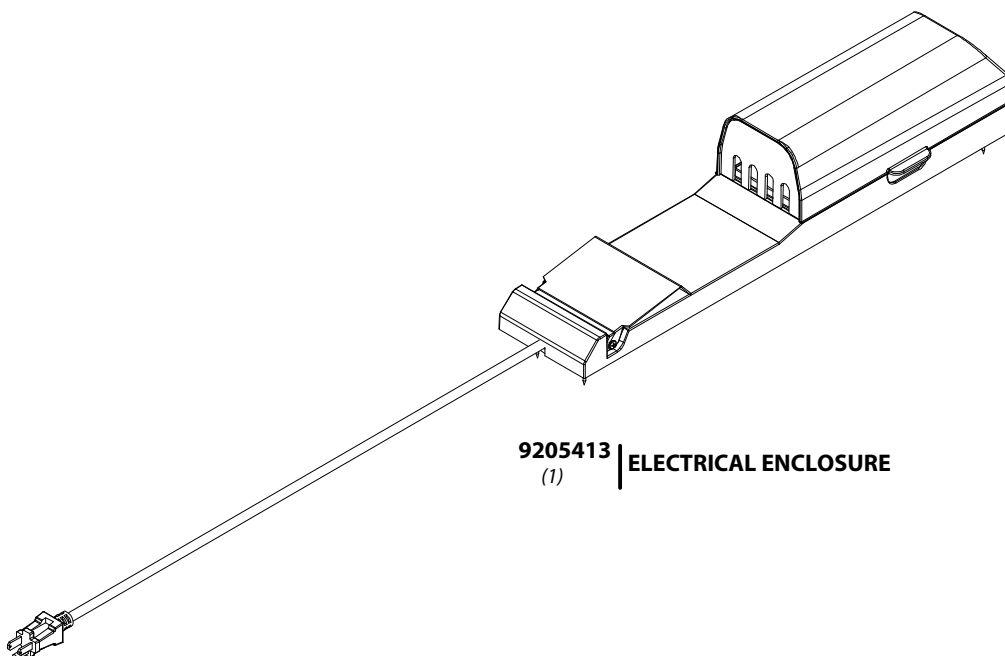
A4M00977 | **POST ANCHORING PLATE**
(12)



A4M00978 | **POST PLATE**
(12)



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



9205413 | **ELECTRICAL ENCLOSURE**
(1)

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:

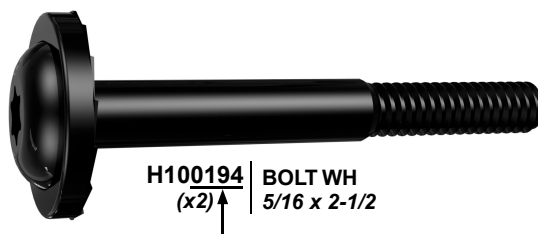
- Organize wood parts by the three-digit, alpha-numeric number stamped on each board (ex. P01).
- If there are multiple boards with the same stamped number, stack those pieces together.
- Stamps can be found on the flat surface of the boards or on the end of the boards.
- Allow yourself plenty of room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



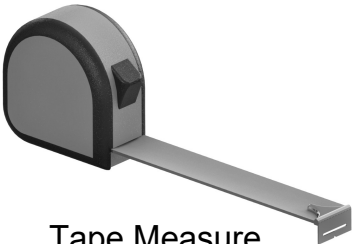
3/8" Drive Ratchet, 1/2" &
7/16" STD Sockets 1/2" & 7/16"
Deep Sockets



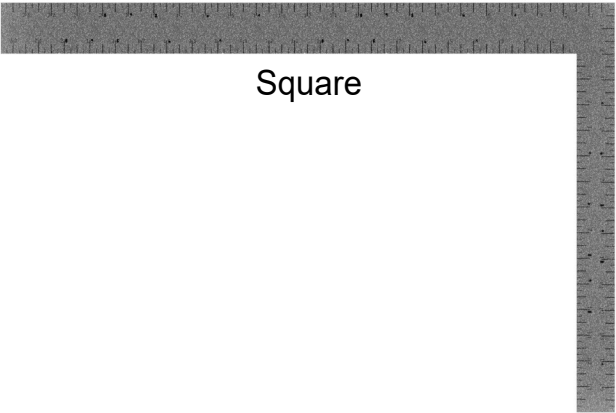
Claw Hammer



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.

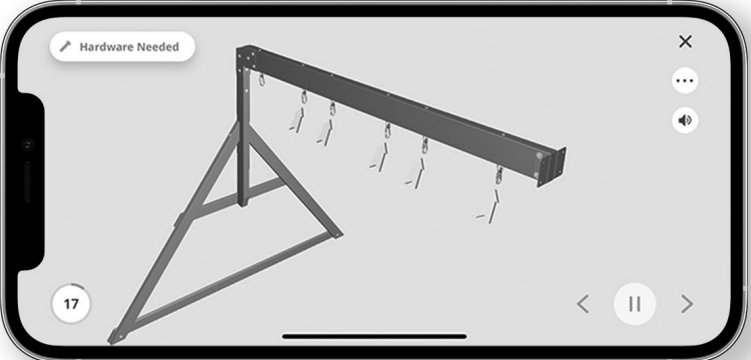
1. Printed Assembly Manual included with your set
2. BILT APP - 3D interactive instructions
3. Combination of the Printed Manual and BILT APP (Note: Step numbers can differ between the two methods)



Scan for easy 3D instructions

Download the BILT app
before you begin



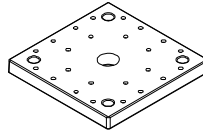


STEP 4 - PERGOLA ASSEMBLY

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

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

P03 POST - W2A03244
(2) 6"x6"x89 1/2" (152x152x2274)



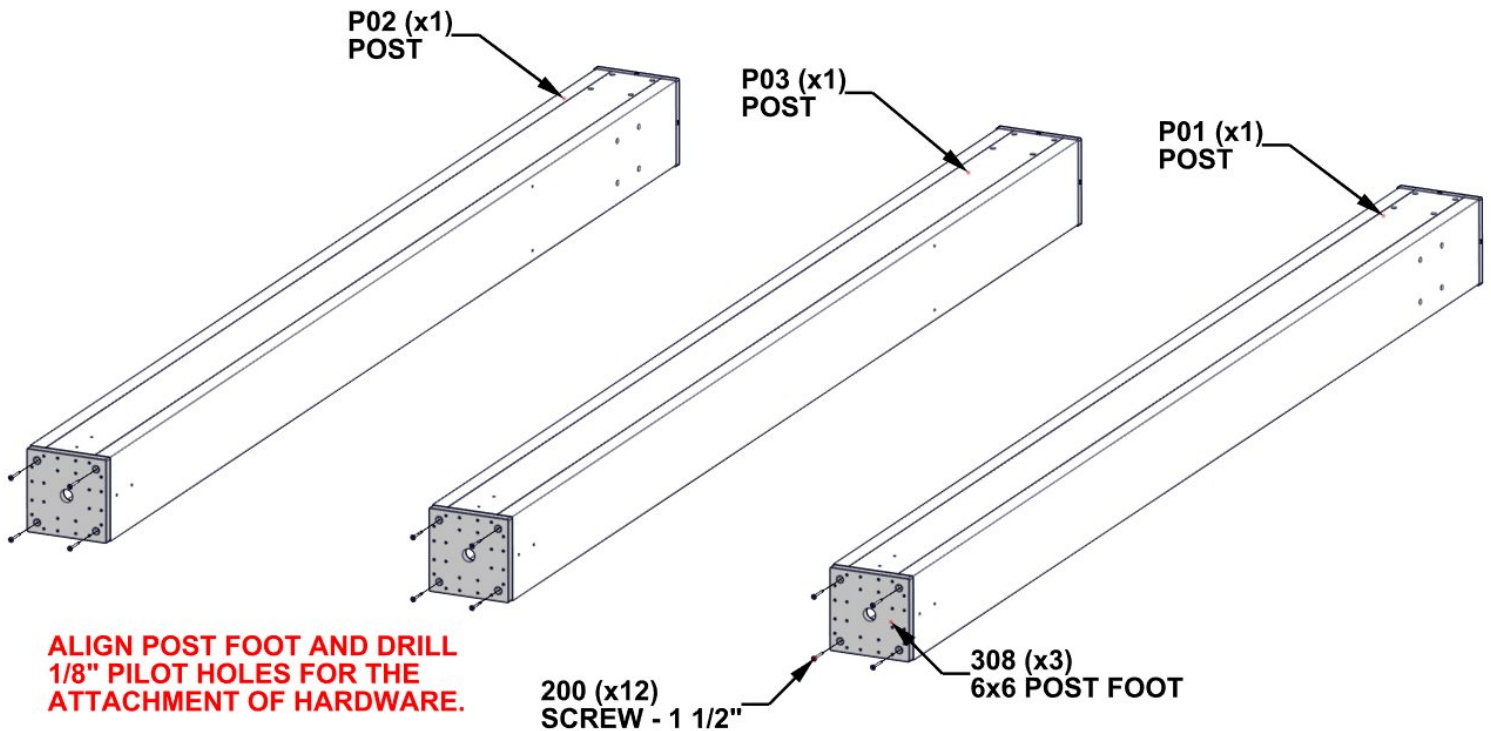
A6P00308 6x6 POST FOOT
(6)



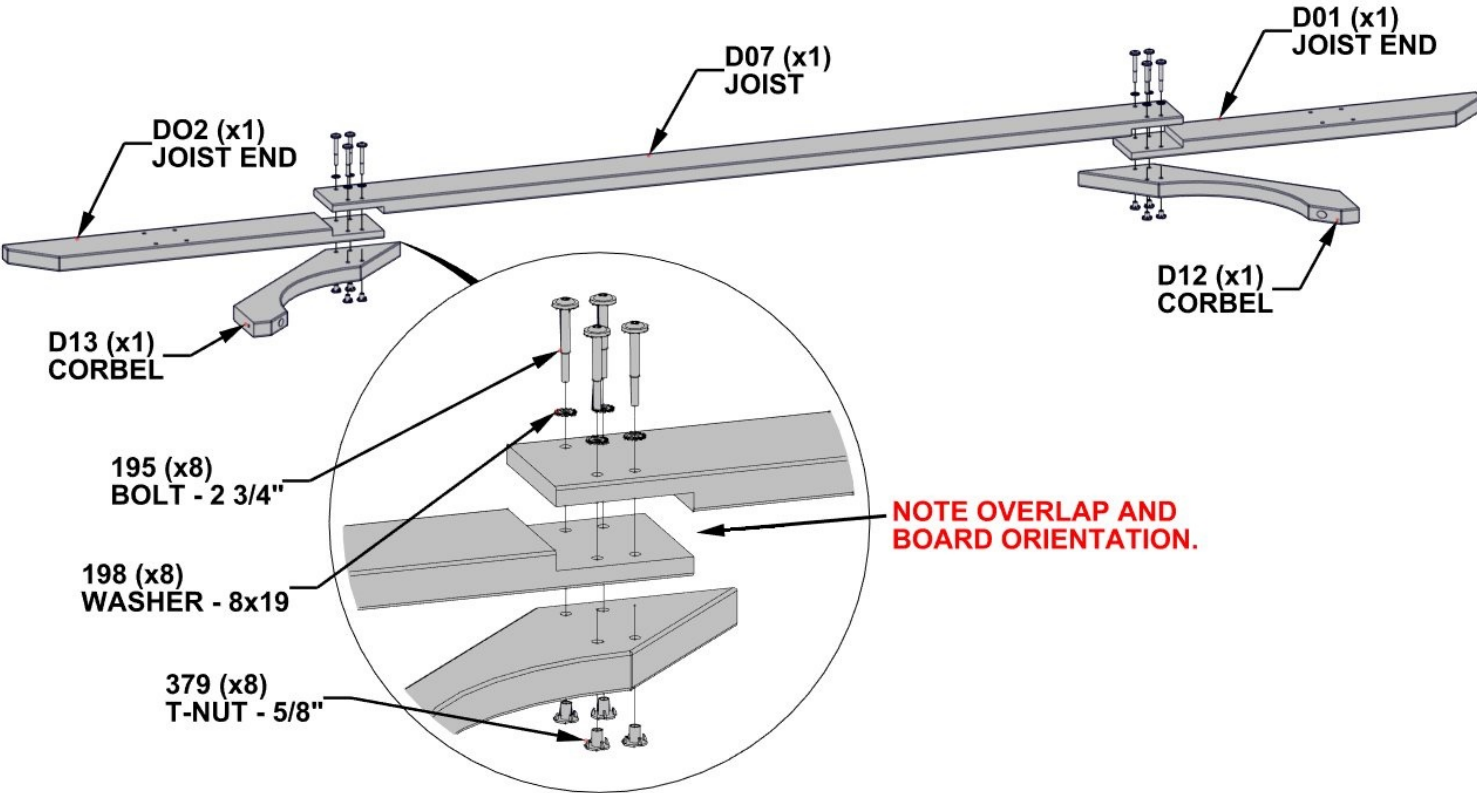
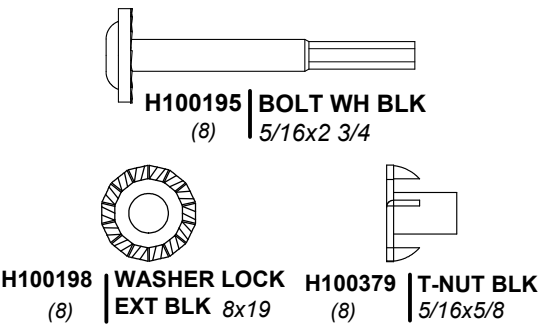
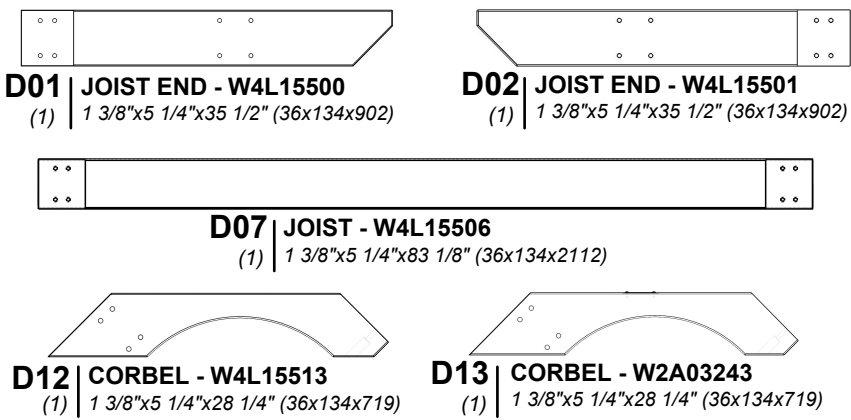
H100200 SCREW PFH BLK
(24) 8x1 1/2

COMPLETE THIS STEP TWICE.

FOR EASE OF ASSEMBLY, WE RECOMMEND
USING SAW HORSES FOR STEPS 4-14.



STEP 5 - PERGOLA ASSEMBLY



STEP 6 - PERGOLA ASSEMBLY



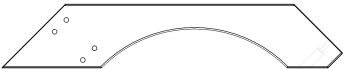
D01 | JOIST END - W4L15500
(1) | 1 3/8"x5 1/4"x35 1/2" (36x134x902)



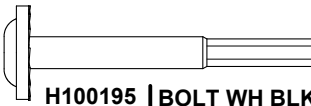
D02 | JOIST END - W4L15501
(1) | 1 3/8"x5 1/4"x35 1/2" (36x134x902)



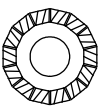
D07 | JOIST - W4L15506
(1) | 1 3/8"x5 1/4"x83 1/8" (36x134x2112)



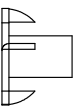
D12 | CORBEL - W4L15513
(2) | 1 3/8"x5 1/4"x28 1/4" (36x134x719)



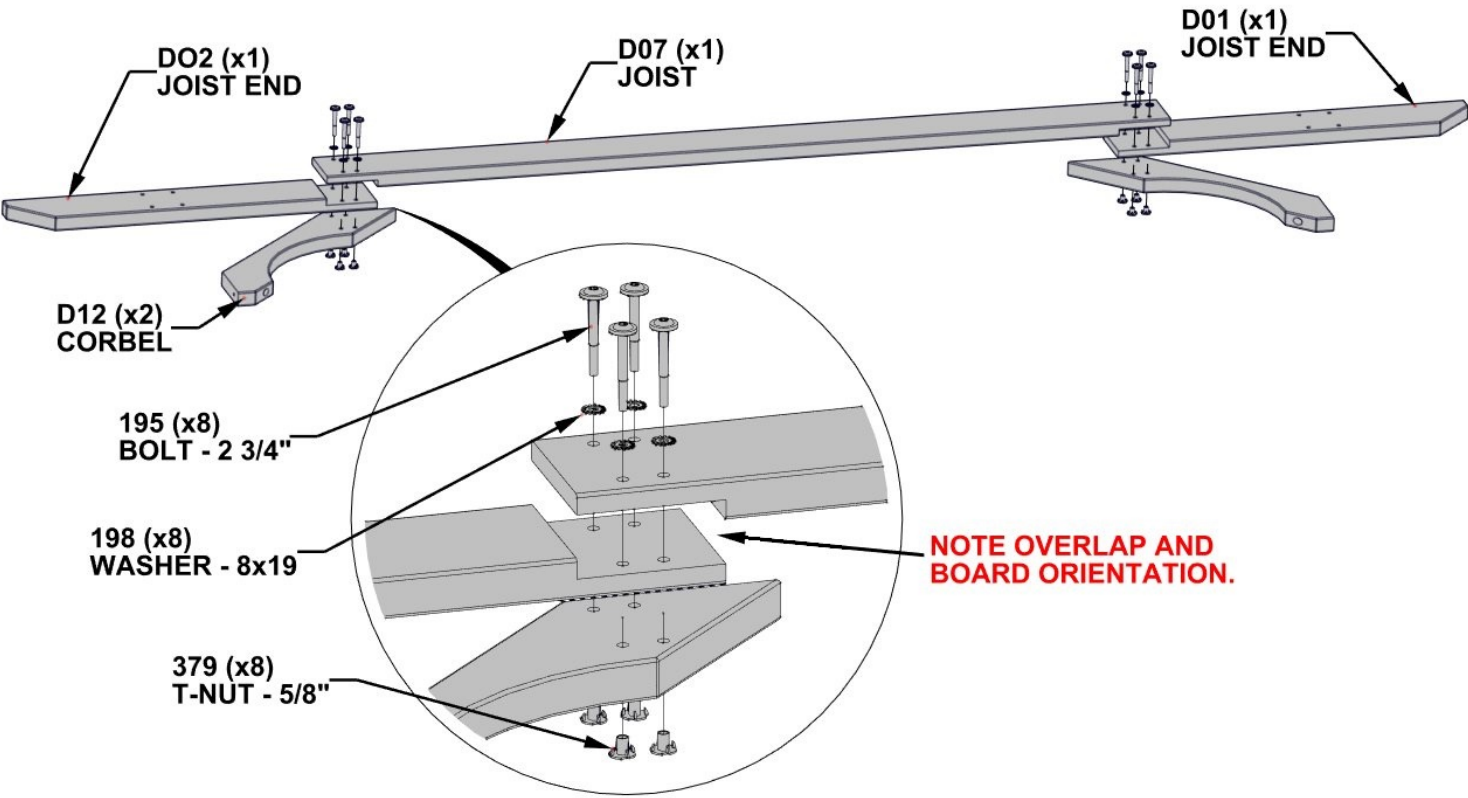
H100195 | BOLT WH BLK
(8) | 5/16x2 3/4



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



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



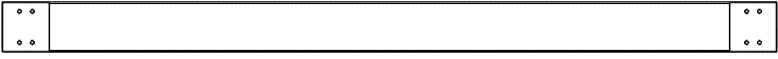
STEP 7 - PERGOLA ASSEMBLY



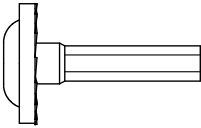
D01 | JOIST END - W4L15500
(2) | 1 3/8"x5 1/4"x35 1/2" (36x134x902)



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

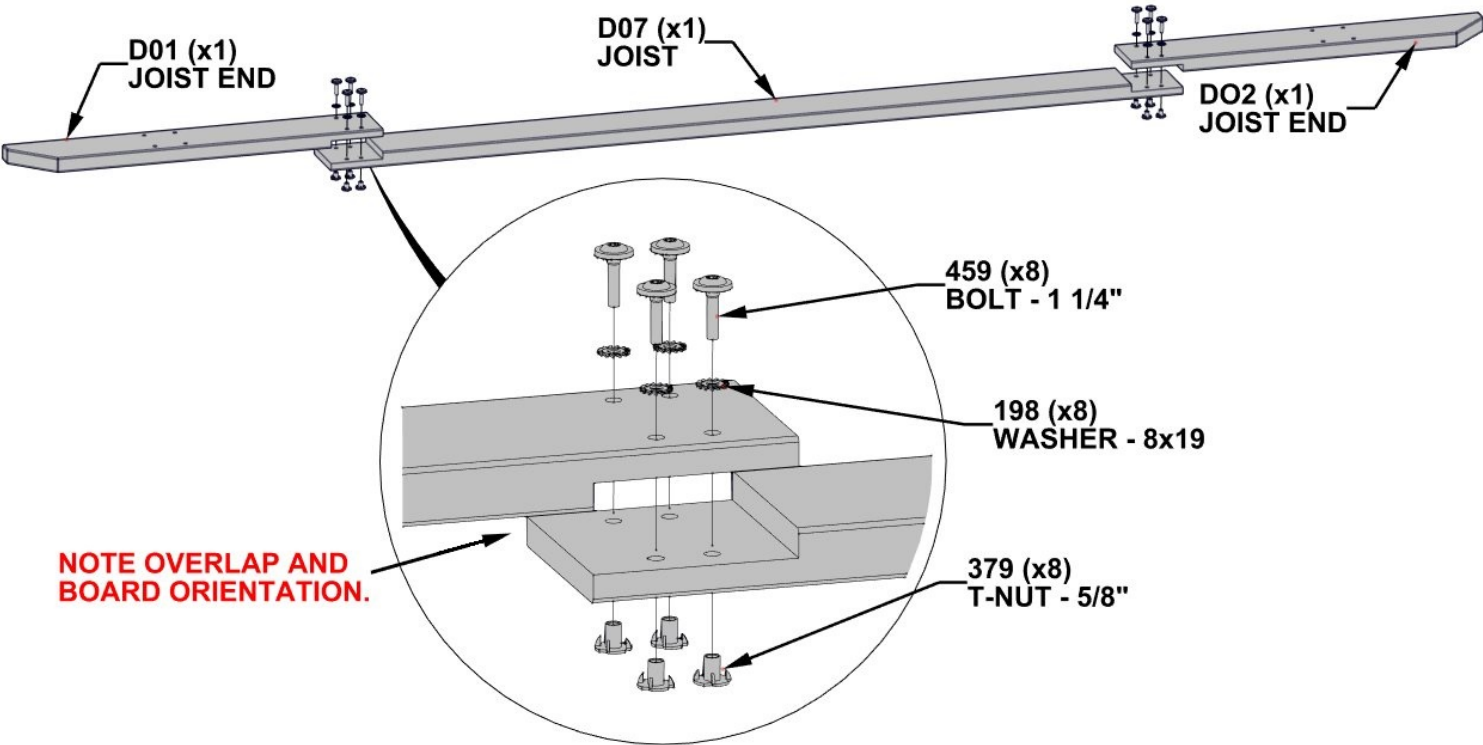


H100198 | WASHER LOCK
(16) | EXT BLK 8x19



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 STEPS 1 & 2**

(2) **INNER JOIST ASSEMBLY - FROM STEP 3**

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

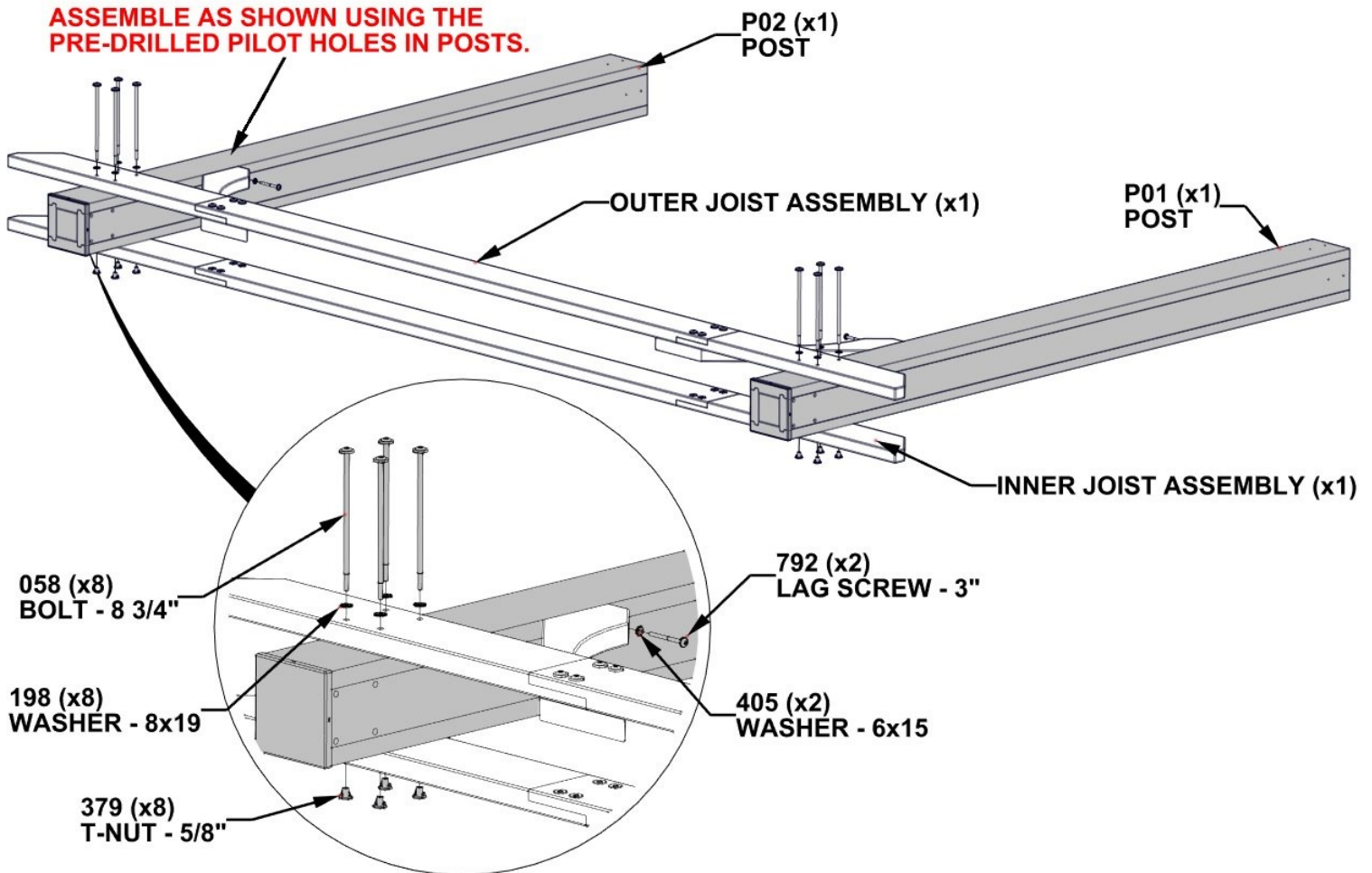
H100379 T-NUT BLK
(16) 5/16x5/8

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

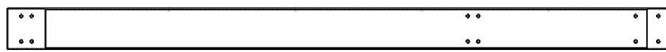
H100198 WASHER LOCK
(16) EXT BLK 8x19

H100405 WASHER LOCK
(4) EXT BLK 6x15

COMPLETE THIS STEP TWICE.



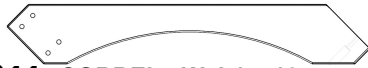
STEP 9 - PERGOLA ASSEMBLY



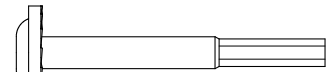
D08 | JOIST - W4L15523
(1) 1 3/8"x5 1/4"x87 1/2" (36x134x2223)



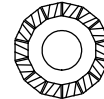
D17 | JOIST - W4L15527
(1) 1 3/8"x5 1/4"x51" (36x134x1296)



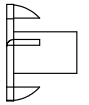
D11 | CORBEL - W4L15510
(2) 1 3/8"x5 1/4"x32 1/2" (36x134x826)



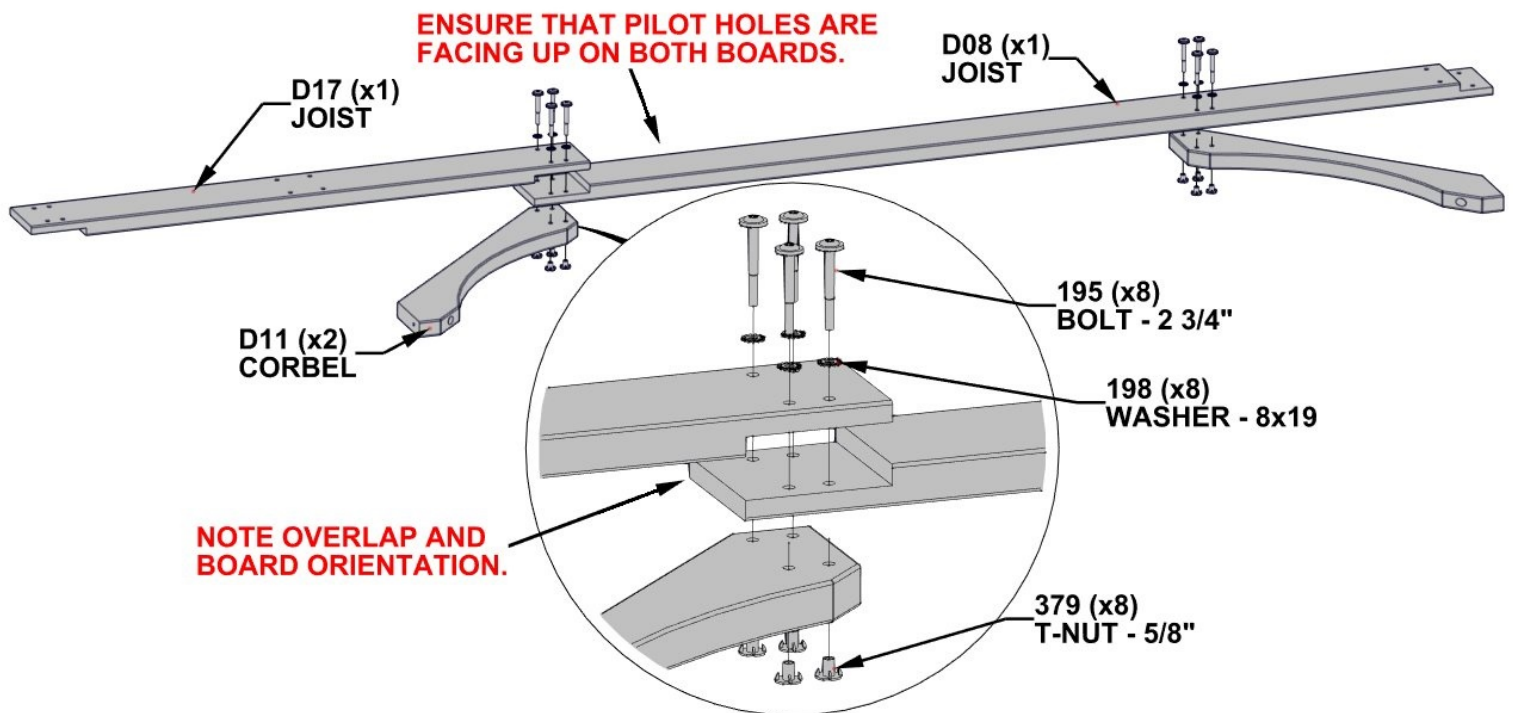
H100195 | BOLT WH BLK
(8) 5/16x2 3/4



H100198 | WASHER LOCK
(8) EXT BLK 8x19



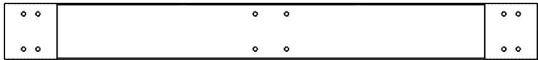
H100379 | T-NUT BLK
(8) 5/16x5/8



STEP 10 - PERGOLA ASSEMBLY



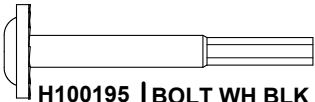
D16 | JOIST - W4L15526
(1) | 1 3/8"x5 1/4"x87 1/2" (36x134x2223)



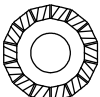
D18 | JOIST - W4L15528
(1) | 1 3/8"x5 1/4"x51" (36x134x1296)



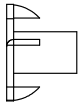
D11 | CORBEL - W4L15510
(2) | 1 3/8"x5 1/4"x32 1/2" (36x134x826)



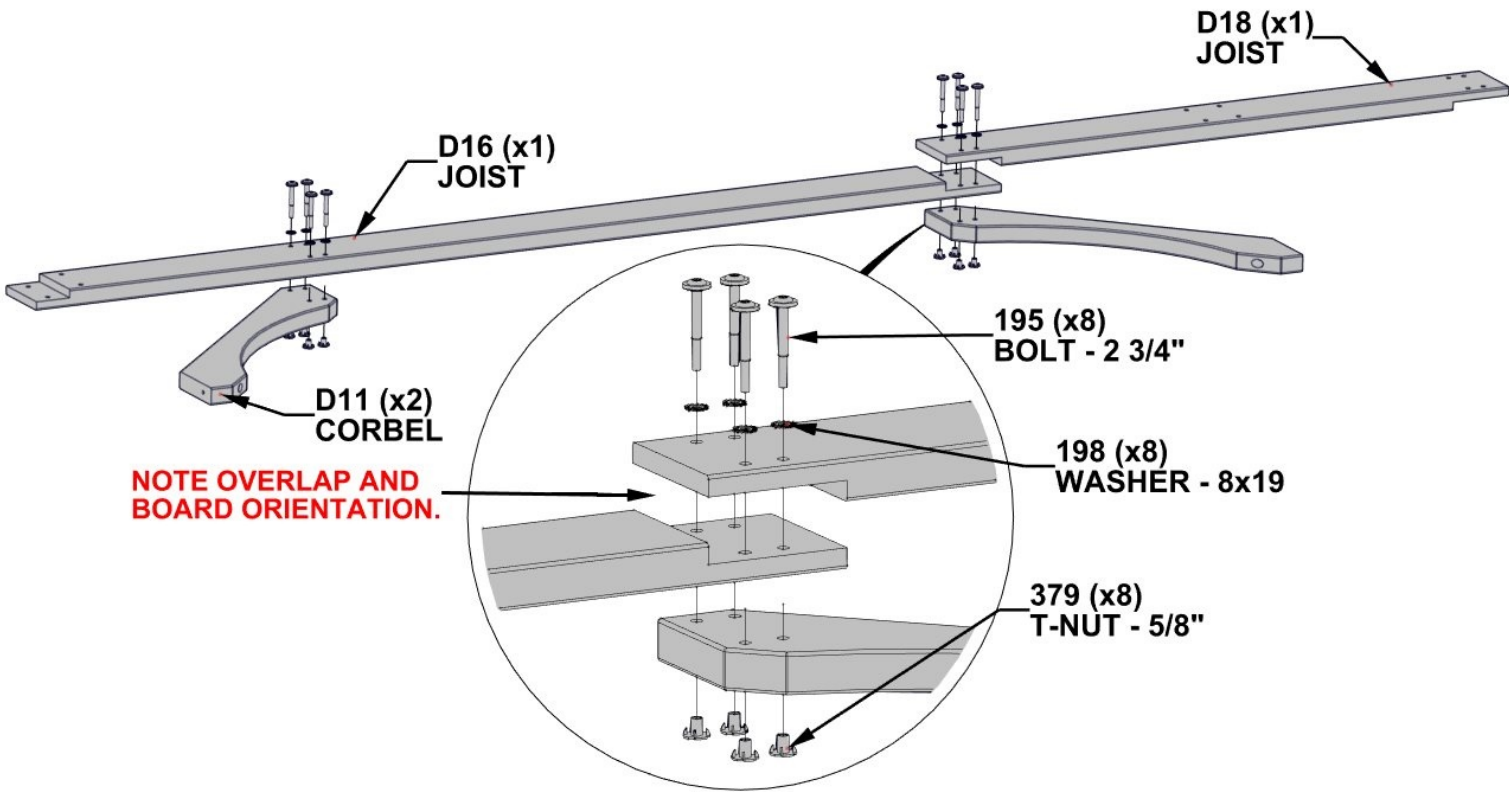
H100195 | BOLT WH BLK
(8) | 5/16x2 3/4



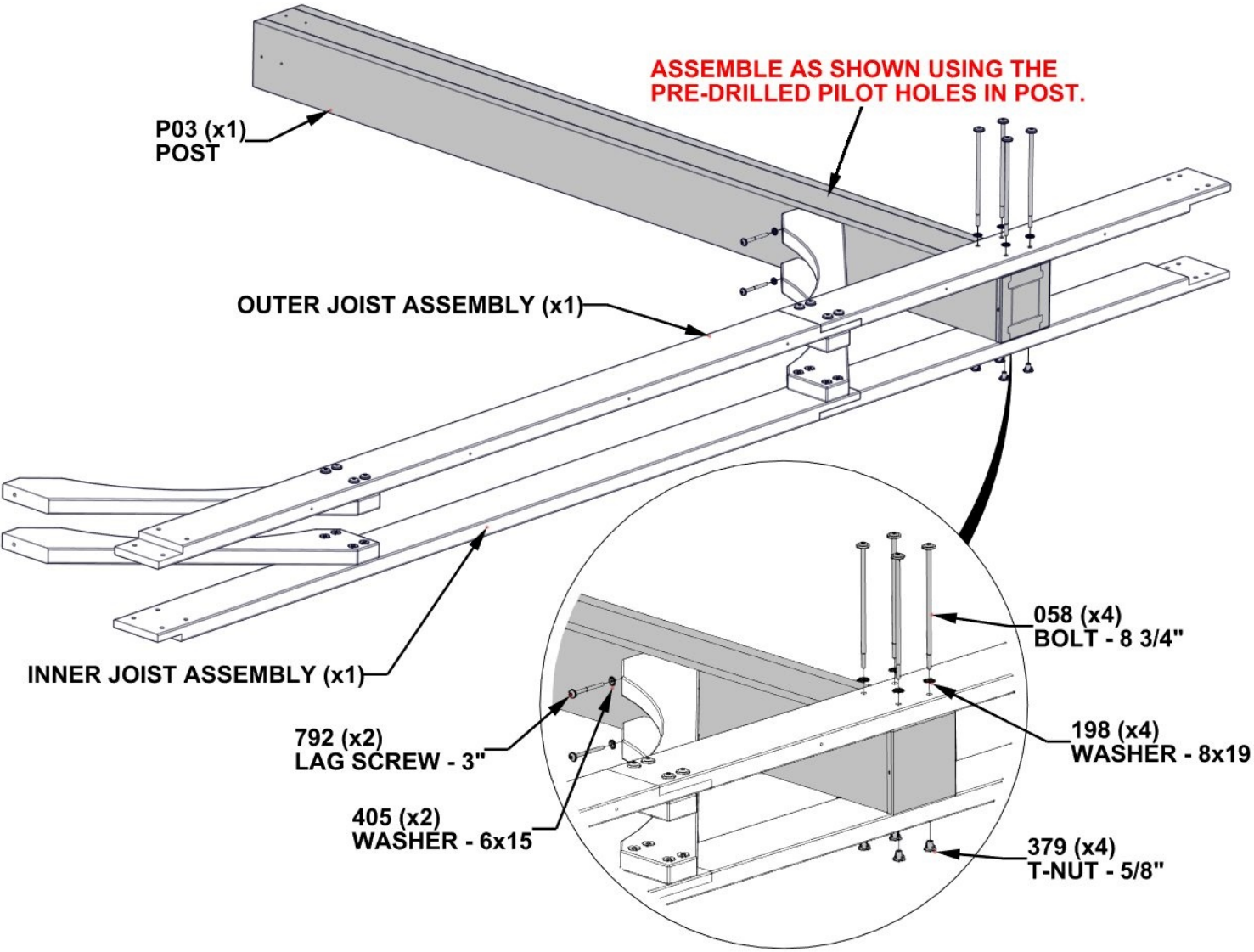
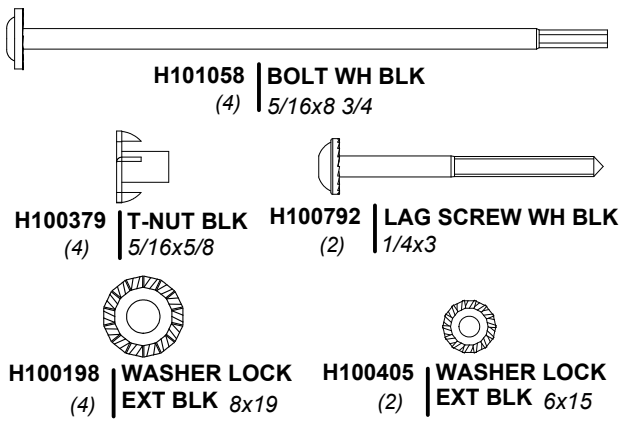
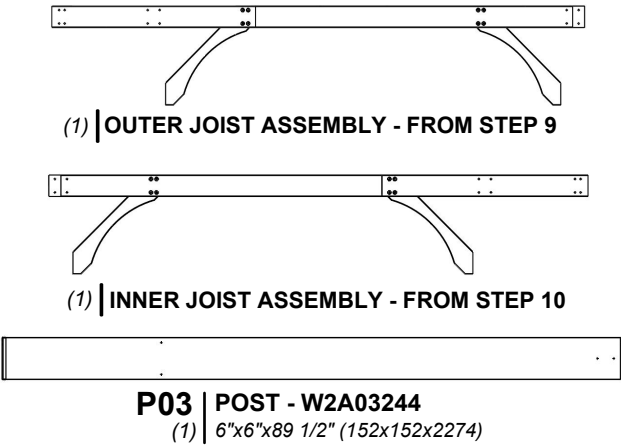
H100198 | WASHER LOCK
(8) | EXT BLK 8x19



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



STEP 11 - PERGOLA ASSEMBLY

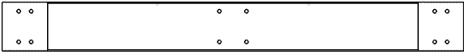


SIDE ASSEMBLY A

STEP 12 - PERGOLA ASSEMBLY



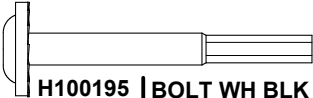
D09 | JOIST - W4L15524
(1) 1 3/8"x5 1/4"x87 1/2" (36x134x2223)



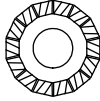
D17 | JOIST - W4L15527
(1) 1 3/8"x5 1/4"x51" (36x134x1296)



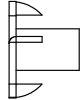
D11 | CORBEL - W4L15510
(2) 1 3/8"x5 1/4"x32 1/2" (36x134x826)



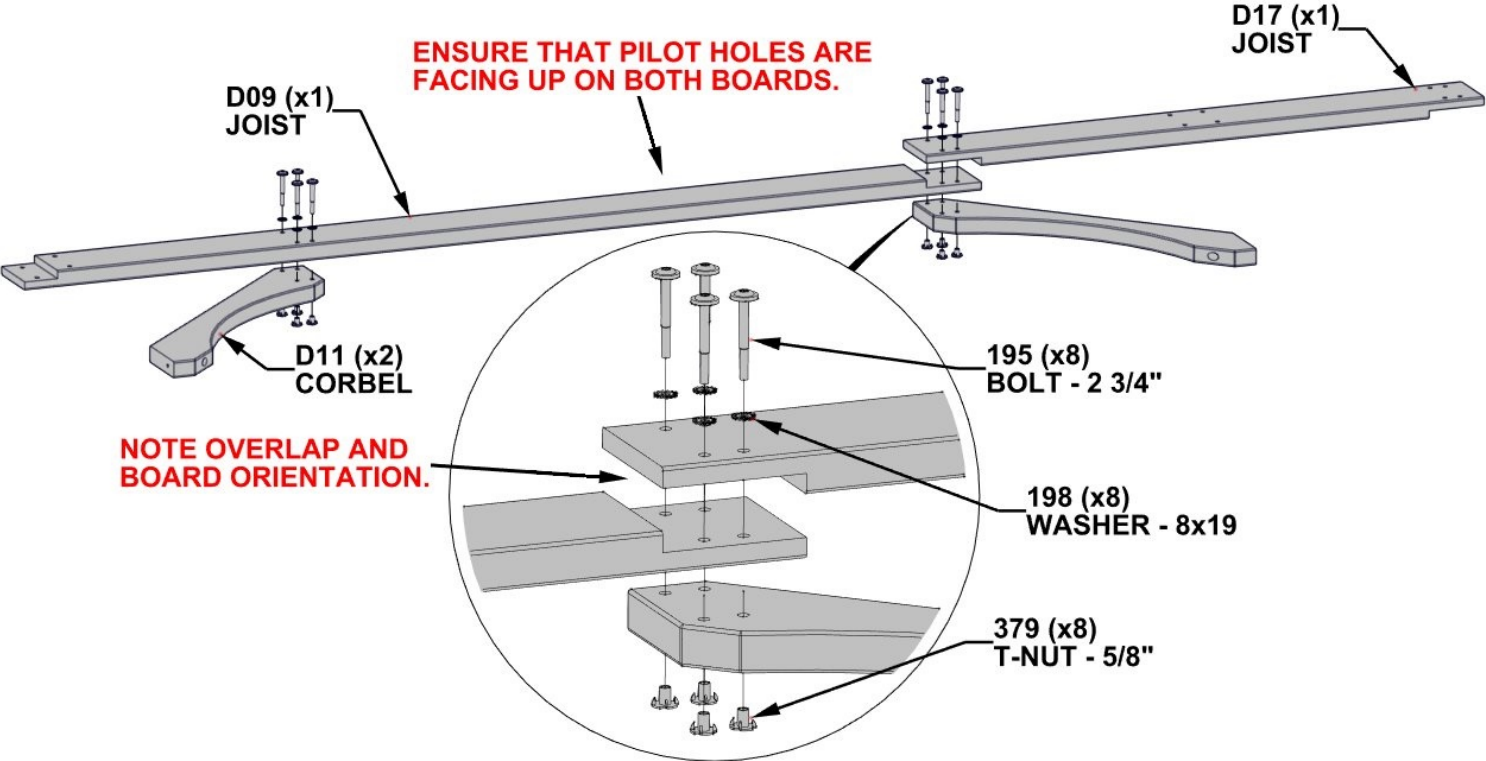
H100195 | BOLT WH BLK
(8) 5/16x2 3/4



H100198 | WASHER LOCK
(8) EXT BLK 8x19



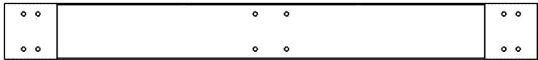
H100379 | T-NUT BLK
(8) 5/16x5/8



STEP 13 - PERGOLA ASSEMBLY



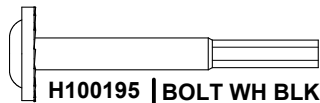
D10 | JOIST - W4L15525
(1) | 1 3/8"x5 1/4"x87 1/2" (36x134x2223)



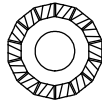
D18 | JOIST - W4L15528
(1) | 1 3/8"x5 1/4"x51" (36x134x1296)



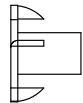
D11 | CORBEL - W4L15510
(2) | 1 3/8"x5 1/4"x32 1/2" (36x134x826)



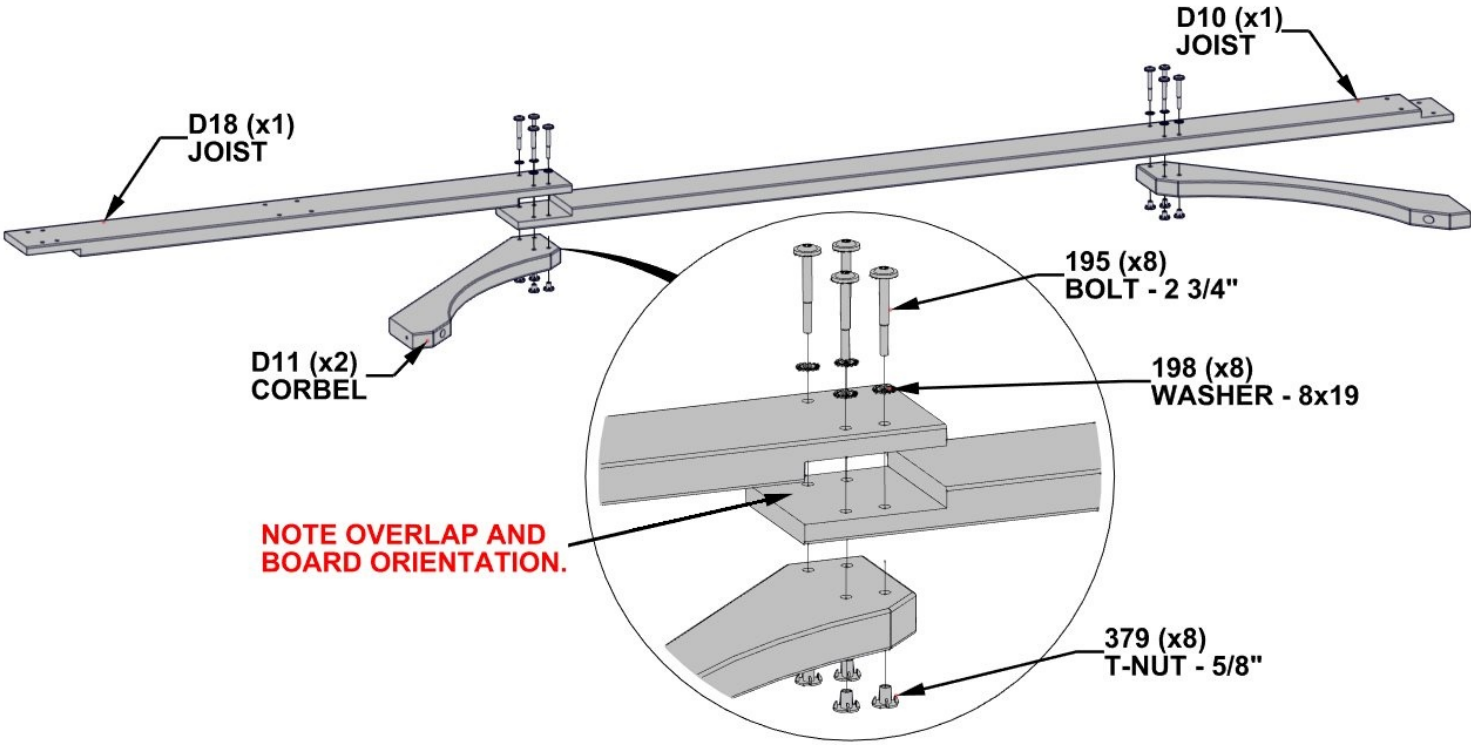
H100195 | BOLT WH BLK
(8) | 5/16x2 3/4



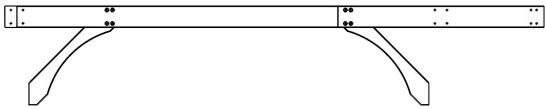
H100198 | WASHER LOCK
(8) | EXT BLK 8x19



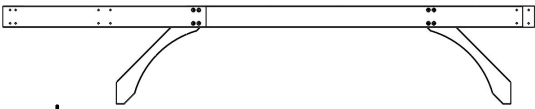
H100379 | T-NUT BLK
(8) | 5/16x5/8



STEP 14 - PERGOLA ASSEMBLY



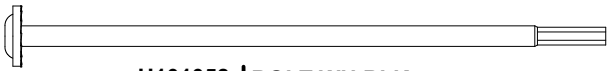
(1) OUTER JOIST ASSEMBLY - FROM STEP 12



(1) INNER JOIST ASSEMBLY - FROM STEP 13



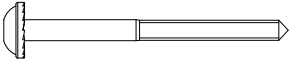
P03 POST - W2A03244
(1) 6"x6"x89 1/2" (152x152x2274)



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



H100379 T-NUT BLK
(4) 5/16x5/8



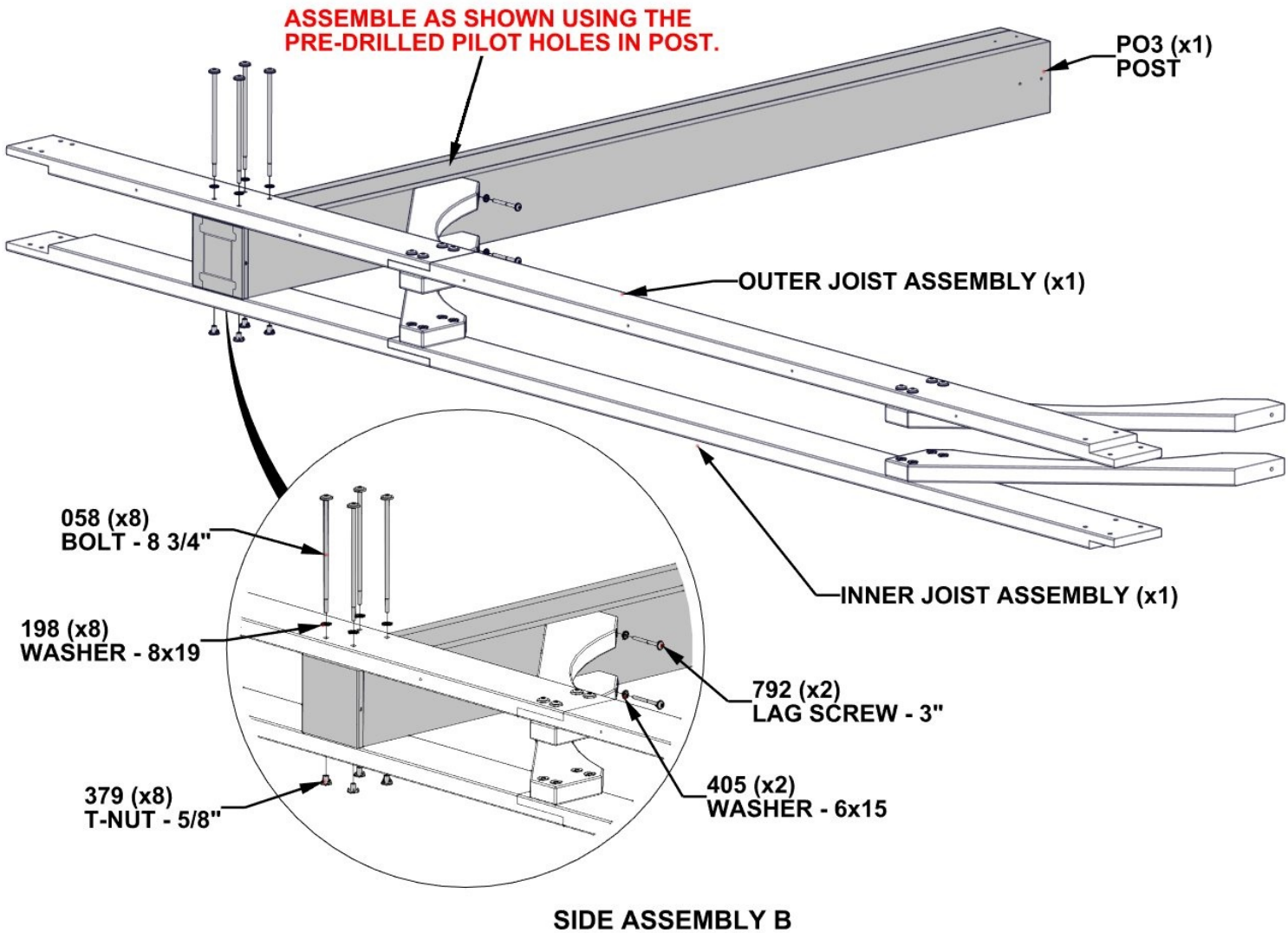
H100792 LAG SCREW WH BLK
(2) 1/4x3



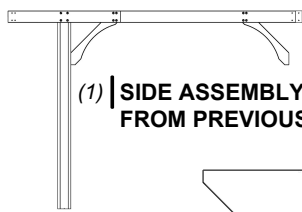
H100198 WASHER LOCK
(4) EXT BLK 8x19



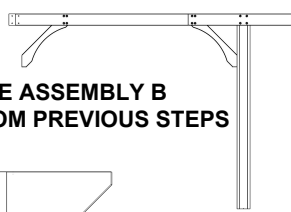
H100405 WASHER LOCK
(2) EXT BLK 6x15



STEP 15 - PERGOLA ASSEMBLY



(1) SIDE ASSEMBLY A
FROM PREVIOUS STEPS



(1) SIDE ASSEMBLY B
FROM PREVIOUS STEPS

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

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

D05 | JOIST END - W4L15529
(1) 1 3/8"x5 1/4"x15" (36x134x382)

D06 | JOIST END - W4L15530
(1) 1 3/8"x5 1/4"x15" (36x134x382)

H101058 | BOLT WH BLK
(8) 5/16x8 3/4

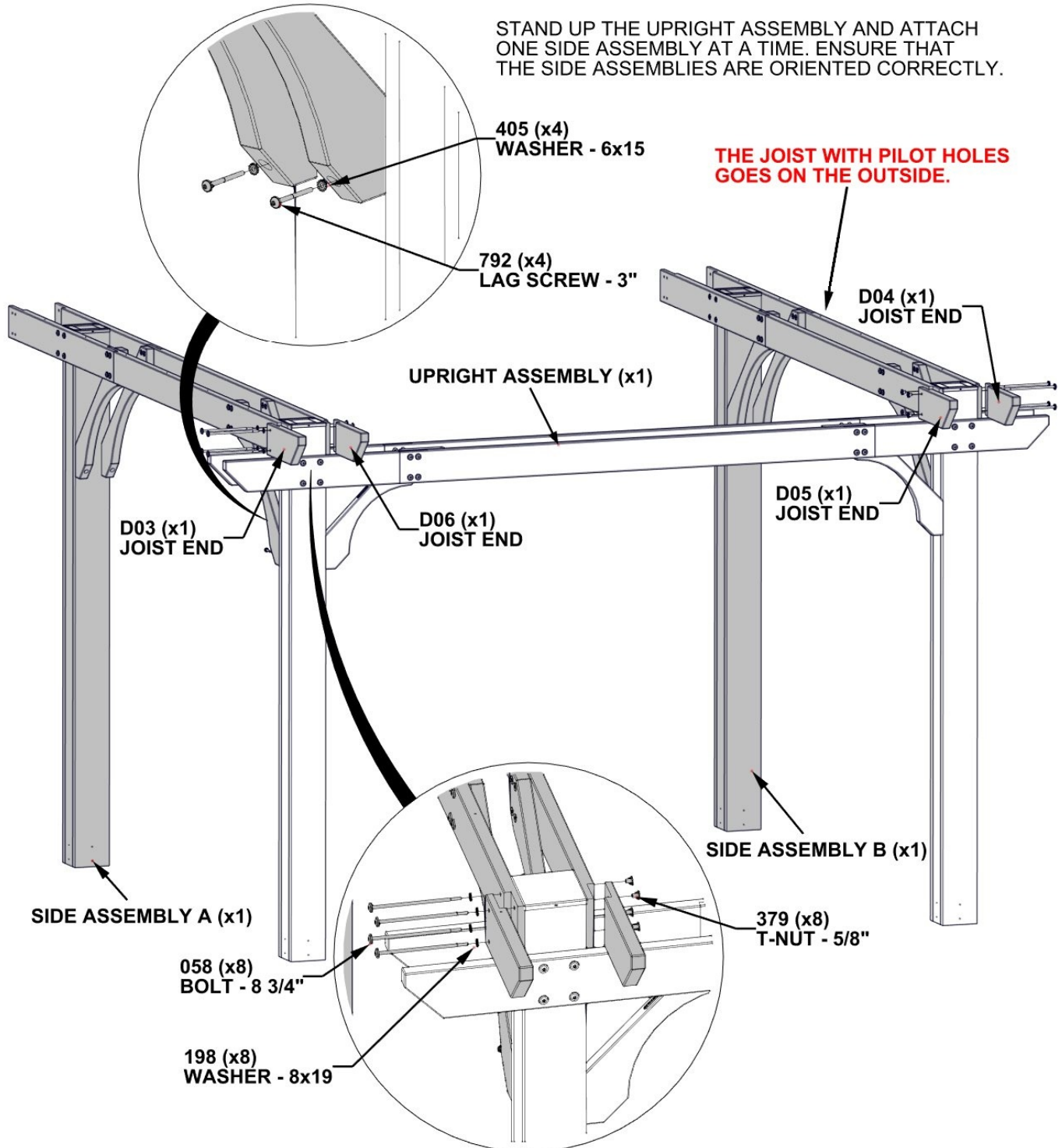
H100792 | LAG SCREW
(4) WH BLK 1/4x3

H100405 | WASHER LOCK
(4) EXT BLK 6x15

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

H100198 | WASHER LOCK
(8) EXT BLK 8x19

STAND UP THE UPRIGHT ASSEMBLY AND ATTACH ONE SIDE ASSEMBLY AT A TIME. ENSURE THAT THE SIDE ASSEMBLIES ARE ORIENTED CORRECTLY.



NOTE: A THIRD PERSON MAY BE HELPFUL.

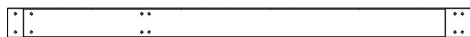
STEP 16 A - PERGOLA ASSEMBLY



D08 JOIST - W4L15523
(1) 1 3/8"x5 1/4"x87 1/2" (36x134x2223)



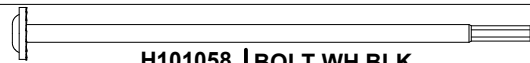
D10 JOIST - W4L15525
(1) 1 3/8"x5 1/4"x87 1/2" (36x134x2223)



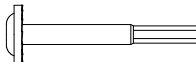
D09 JOIST - W4L15524
(1) 1 3/8"x5 1/4"x87 1/2" (36x134x2223)



D16 JOIST - W4L15526
(1) 1 3/8"x5 1/4"x87 1/2" (36x134x2223)



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



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



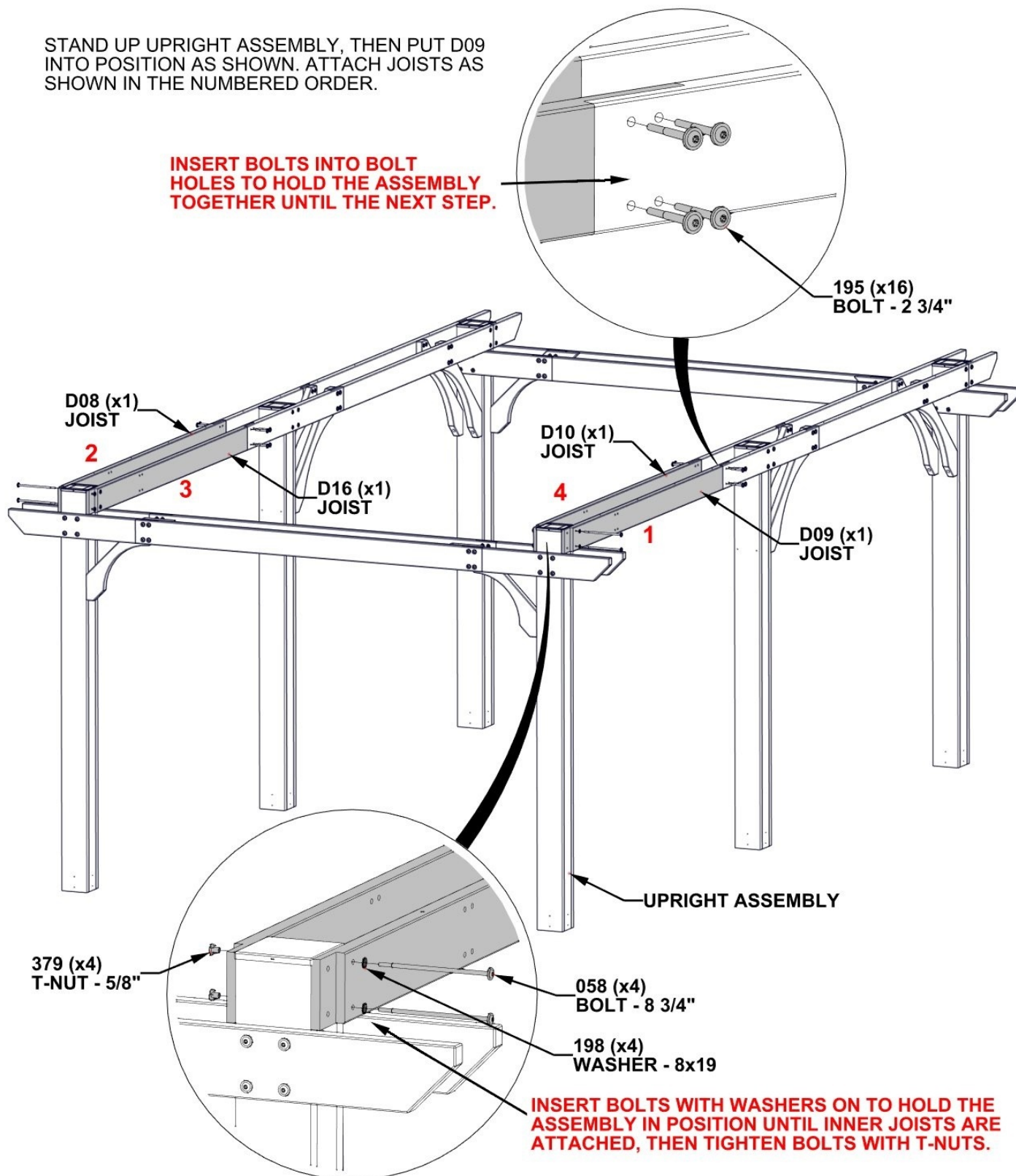
H100198 WASHER LOCK
(4) EXT BLK 8x19



H100379 T-NUT BLK
(4) 5/16x5/8

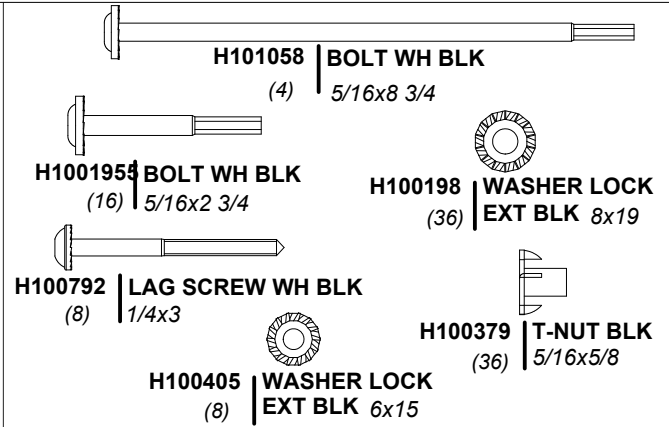
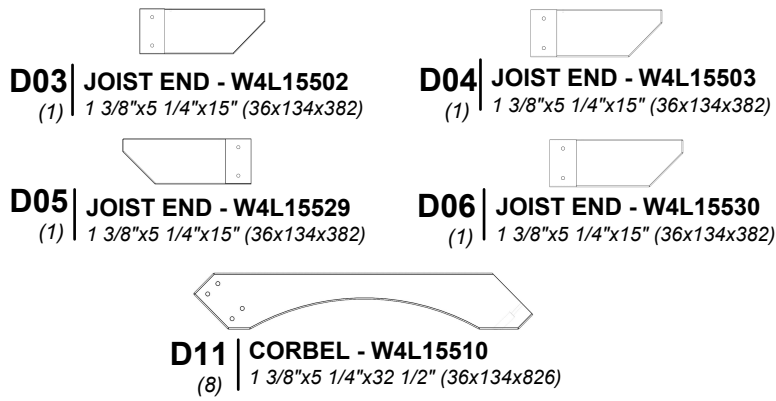
STAND UP UPRIGHT ASSEMBLY, THEN PUT D09 INTO POSITION AS SHOWN. ATTACH JOISTS AS SHOWN IN THE NUMBERED ORDER.

INSERT BOLTS INTO BOLT HOLES TO HOLD THE ASSEMBLY TOGETHER UNTIL THE NEXT STEP.



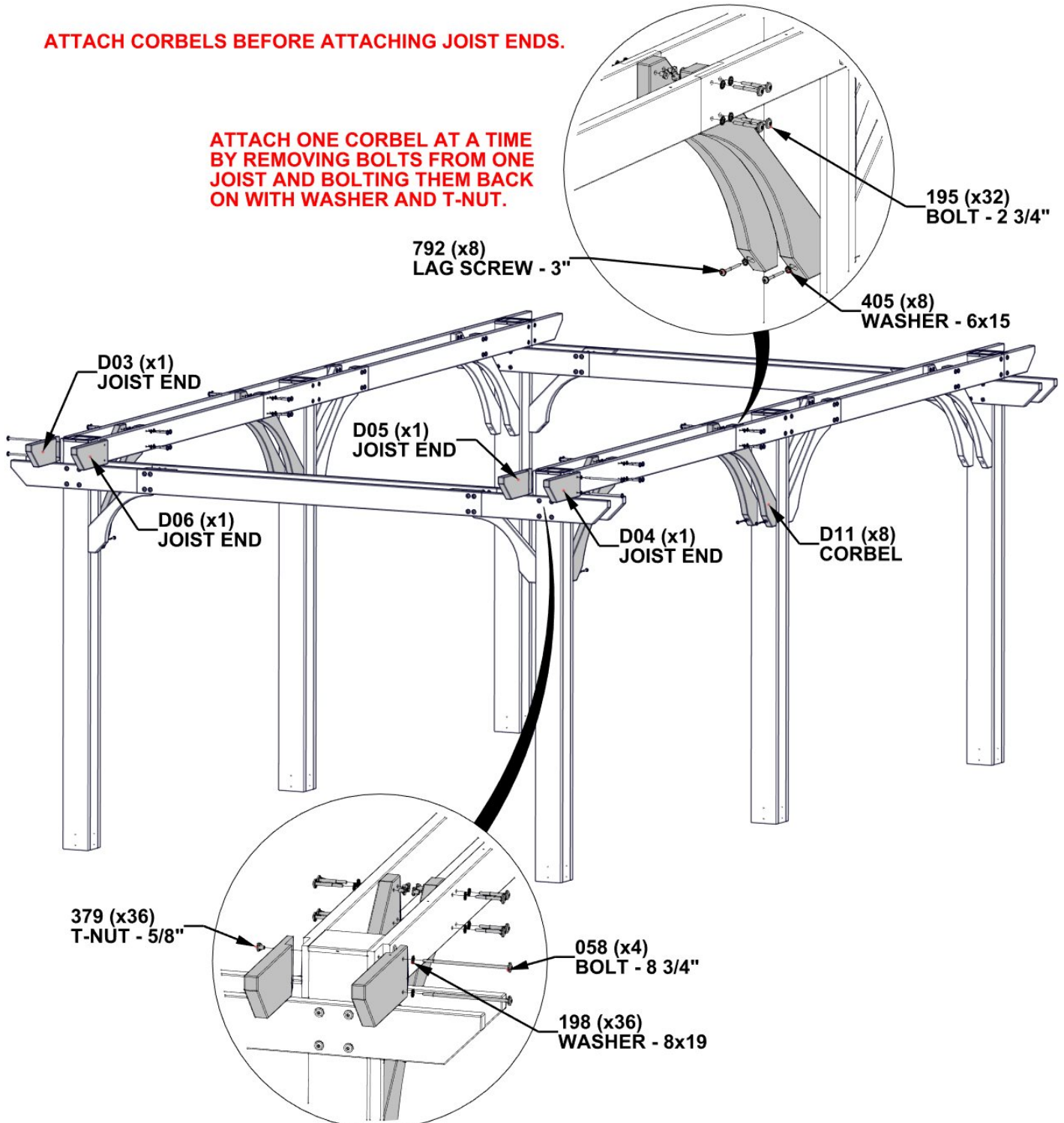
INSERT BOLTS WITH WASHERS ON TO HOLD THE ASSEMBLY IN POSITION UNTIL INNER JOISTS ARE ATTACHED, THEN TIGHTEN BOLTS WITH T-NUTS.

STEP 16 B - PERGOLA ASSEMBLY



ATTACH CORBELS BEFORE ATTACHING JOIST ENDS.

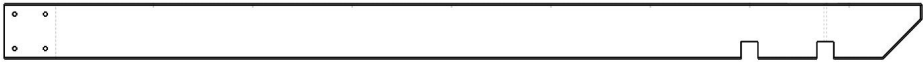
ATTACH ONE CORBEL AT A TIME BY REMOVING BOLTS FROM ONE JOIST AND BOLTING THEM BACK ON WITH WASHER AND T-NUT.



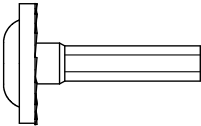
STEP 17 - PERGOLA ASSEMBLY



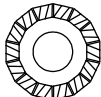
D14 | SLOTTED JOIST - W4L15515
(12) | 1 3/8"x5 1/4"x55 3/4" (36x134x1416)



D15 | SLOTTED JOIST - W4L15517
(12) | 1 3/8"x5 1/4"x89 1/2" (36x134x2274)



H100459 | BOLT WH BLK
(48) | 5/16x1 1/4

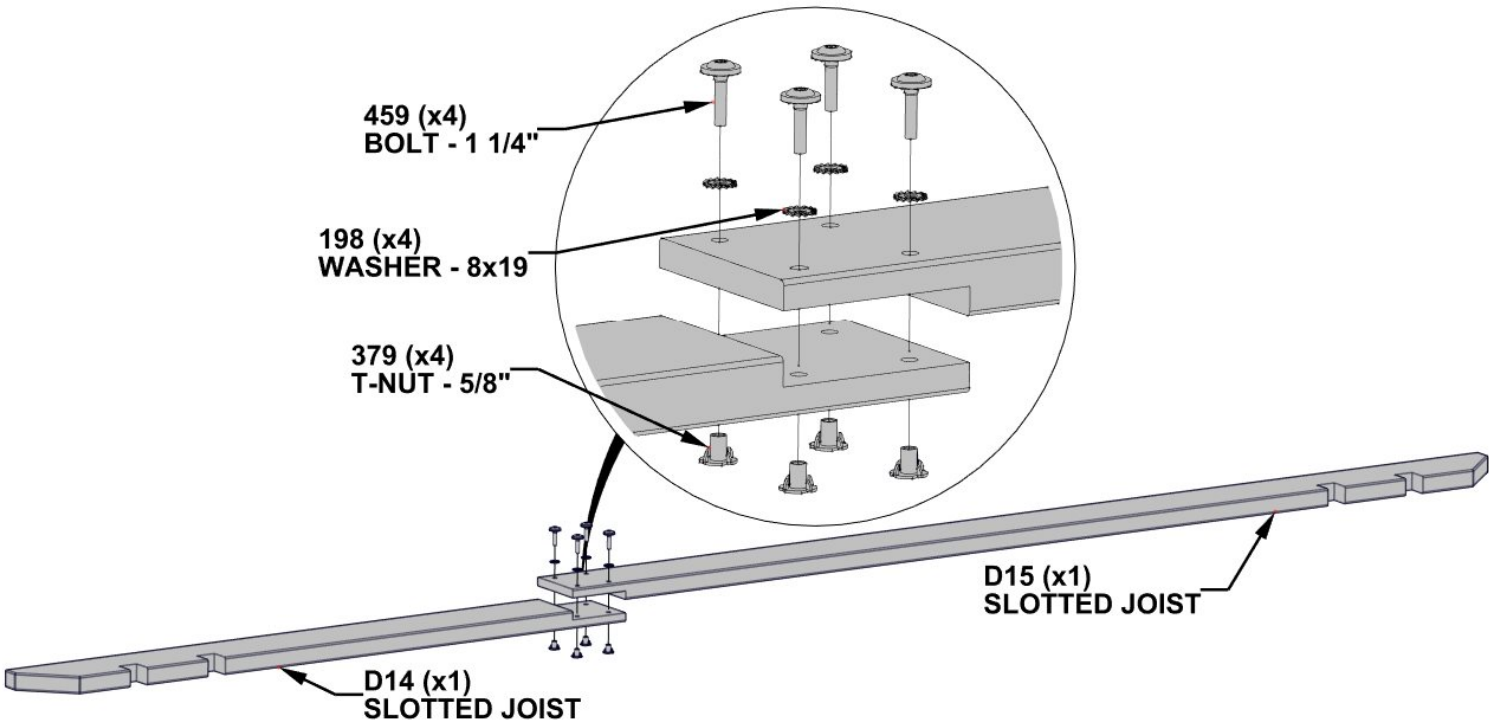


H100198 | WASHER LOCK
(48) | EXT BLK 8x19

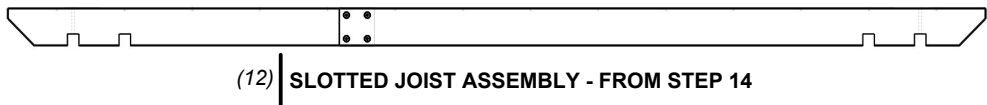


H100379 | T-NUT BLK
(48) | 5/16x5/8

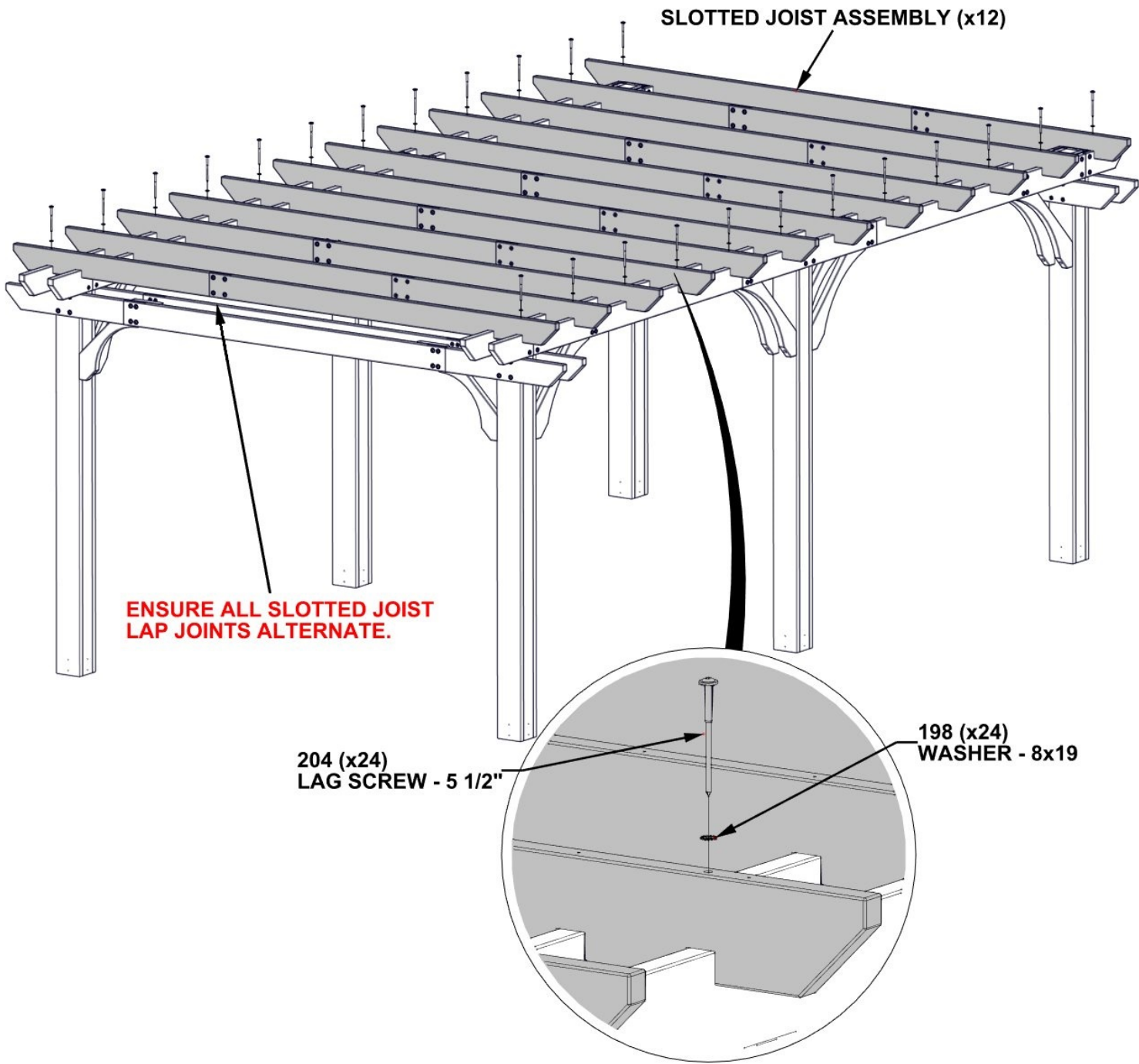
COMPLETE THIS STEP TWELVE TIMES.



STEP 18 - PERGOLA ASSEMBLY



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



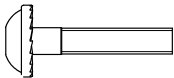
STEP 19 - PERGOLA ASSEMBLY



P10 | PURLIN END - W4L15531
(28) | 1 3/8"x1 3/8"x85 1/2" (36x36x2171)



P11 | PURLIN - W4L15532
(14) | 1 3/8"x1 3/8"x60 3/4" (36x36x1542)



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

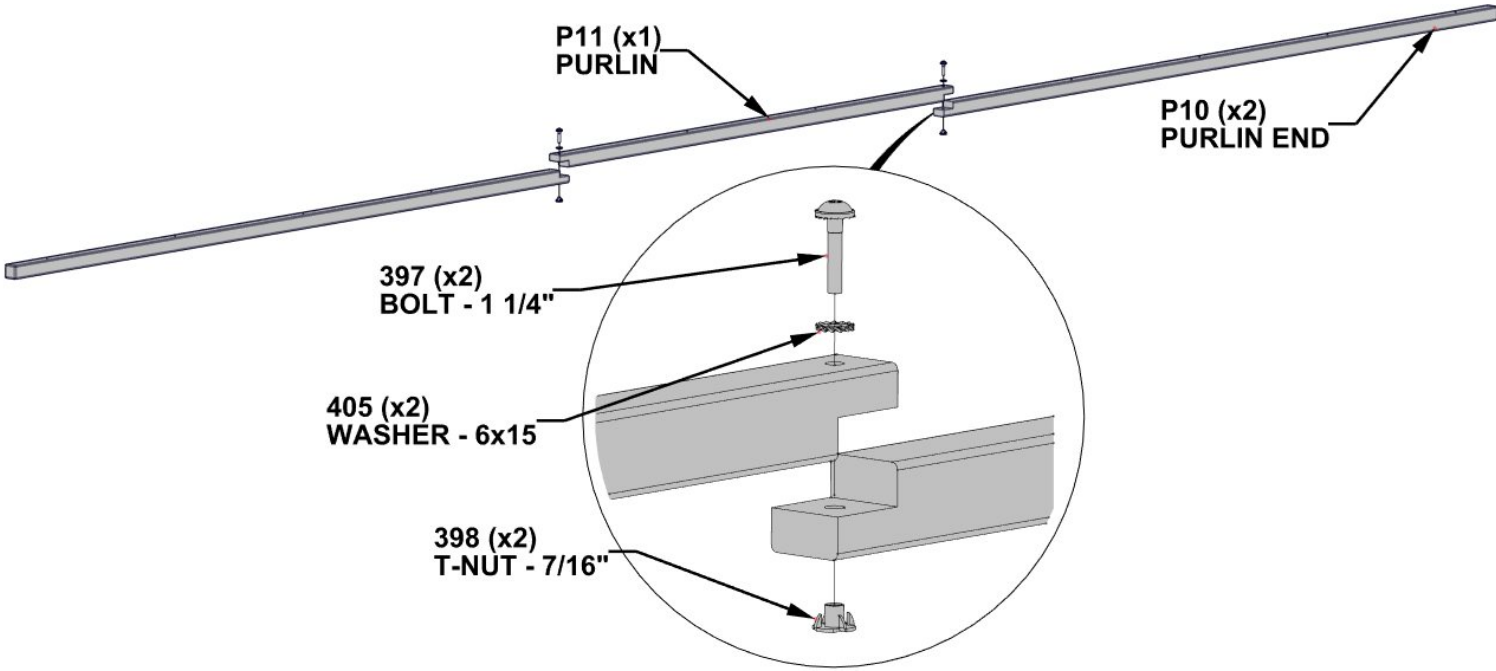


H100405 | WASHER LOCK
(28) | EXT BLK 6x15



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

COMPLETE THIS STEP FOURTEEN TIMES.



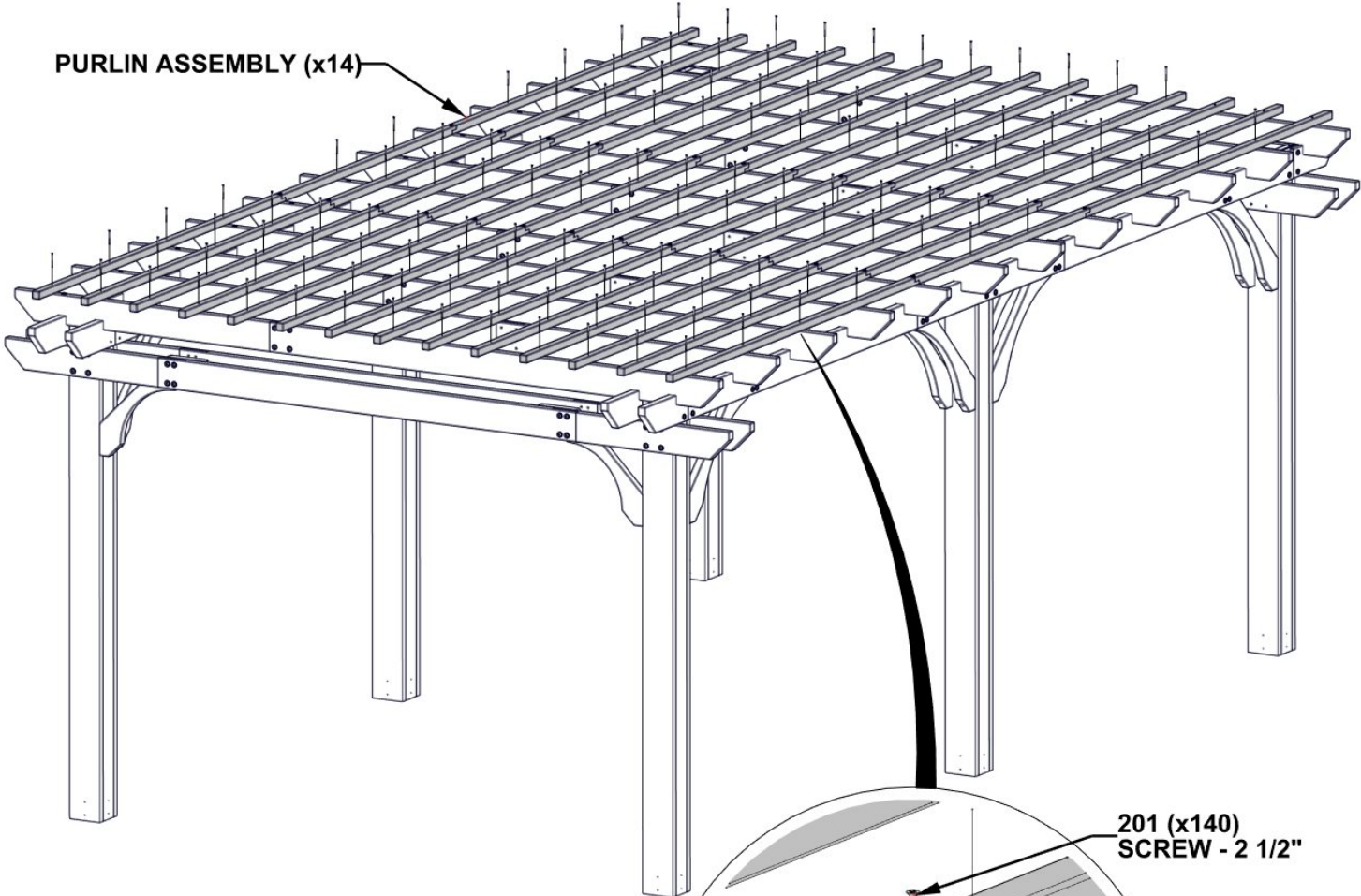
STEP 20 - PERGOLA ASSEMBLY

(14) PURLIN ASSEMBLY - FROM PREVIOUS STEPS

H100201 SCREW PFH BLK
(140) 8x2 1/2

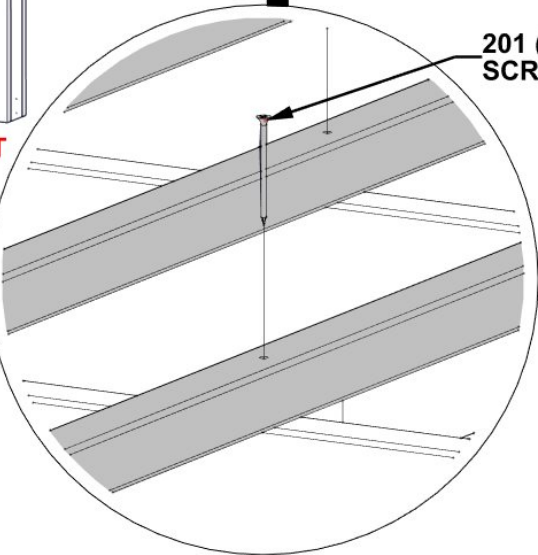
WHEN LIFTING UP EACH PURLIN ASSEMBLY ENSURE THAT JOINTS ARE SUPPORTED AND PURLIN IS KEPT LEVEL.

PURLIN ASSEMBLY (x14)

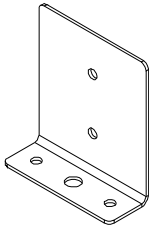


ATTACH PURLIN ASSEMBLIES USING PILOT HOLES IN SLOTTED JOIST ASSEMBLIES.

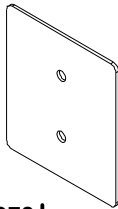
201 (x140)
SCREW - 2 1/2"



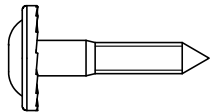
STEP 21 - PERGOLA ASSEMBLY



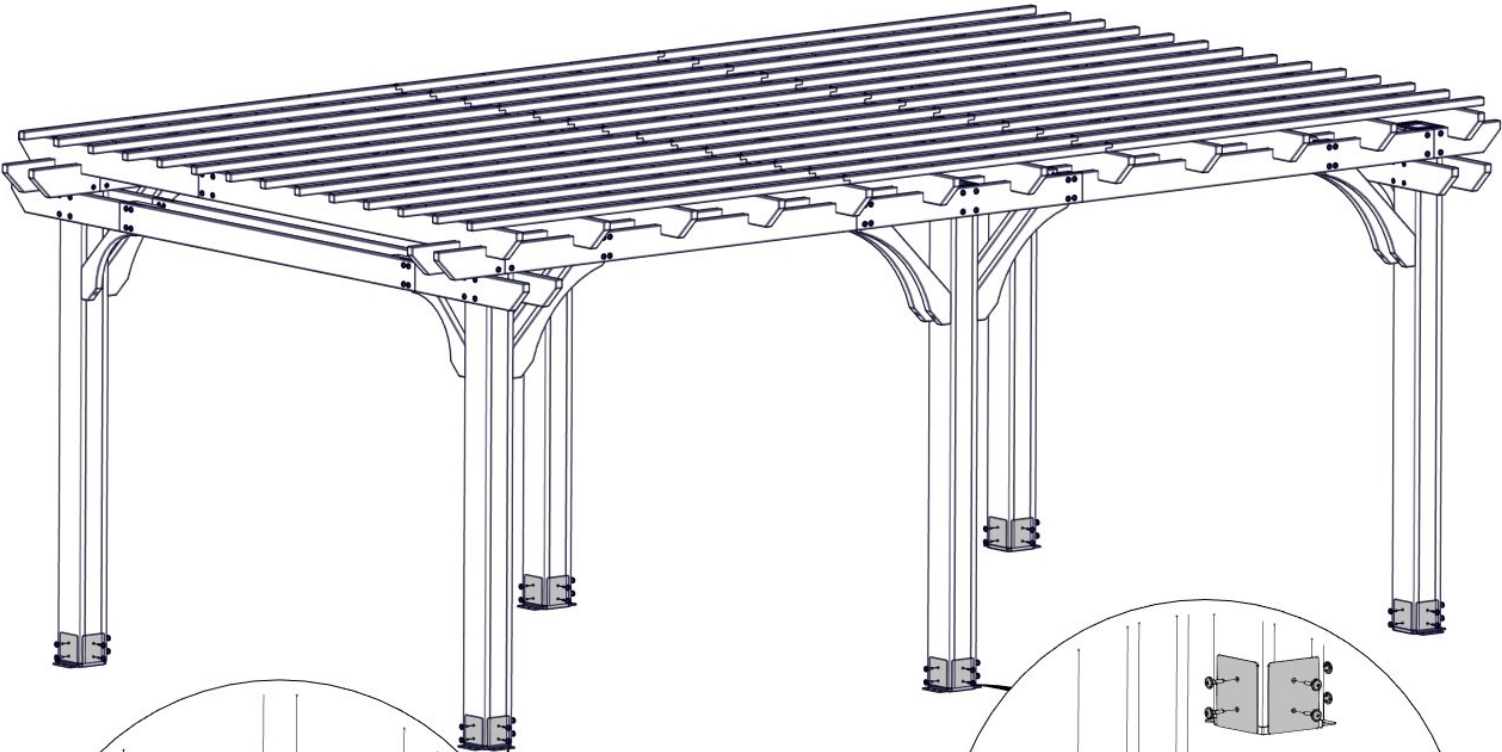
A4M00977 (12) | POST ANCHORING PLATE



A4M00978 (12) | POST PLATE



H100471 (48) | LAG SCREW WH BLK
5/16x1 1/2



977 (x12)
POST ANCHORING PLATE

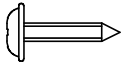
471 (x48)
LAG SCREW - 1 1/2"

978 (x12)
POST PLATE

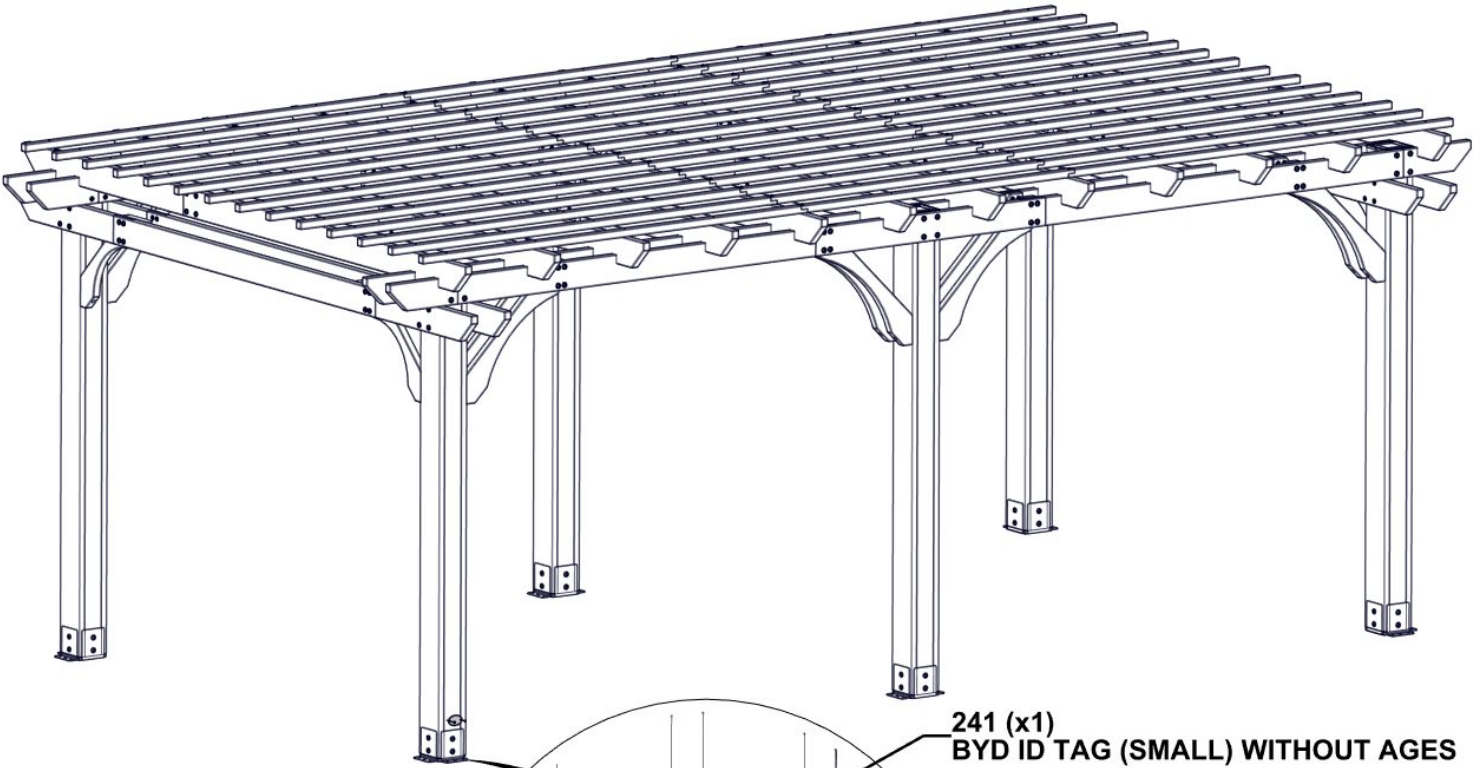
STEP 22 - PERGOLA ASSEMBLY



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



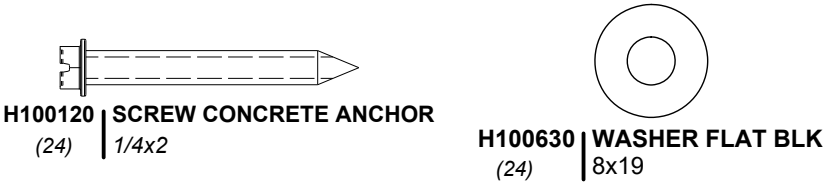
H100202 (2) SCREW PWH BLK 8x5/8



241 (x1) BYD ID TAG (SMALL) WITHOUT AGES

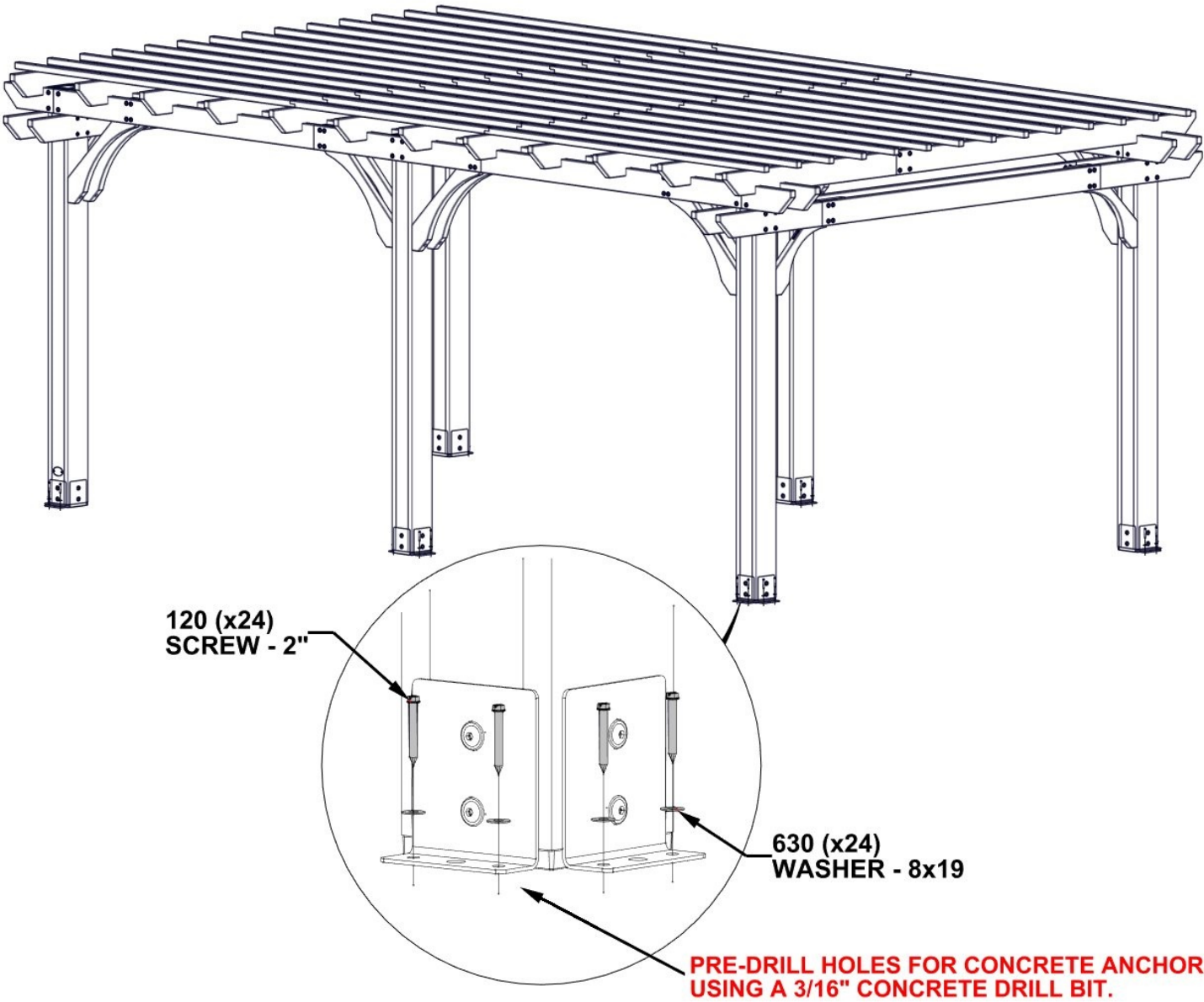
202 (x2) SCREW - 5/8"

STEP 23 - PERGOLA ASSEMBLY

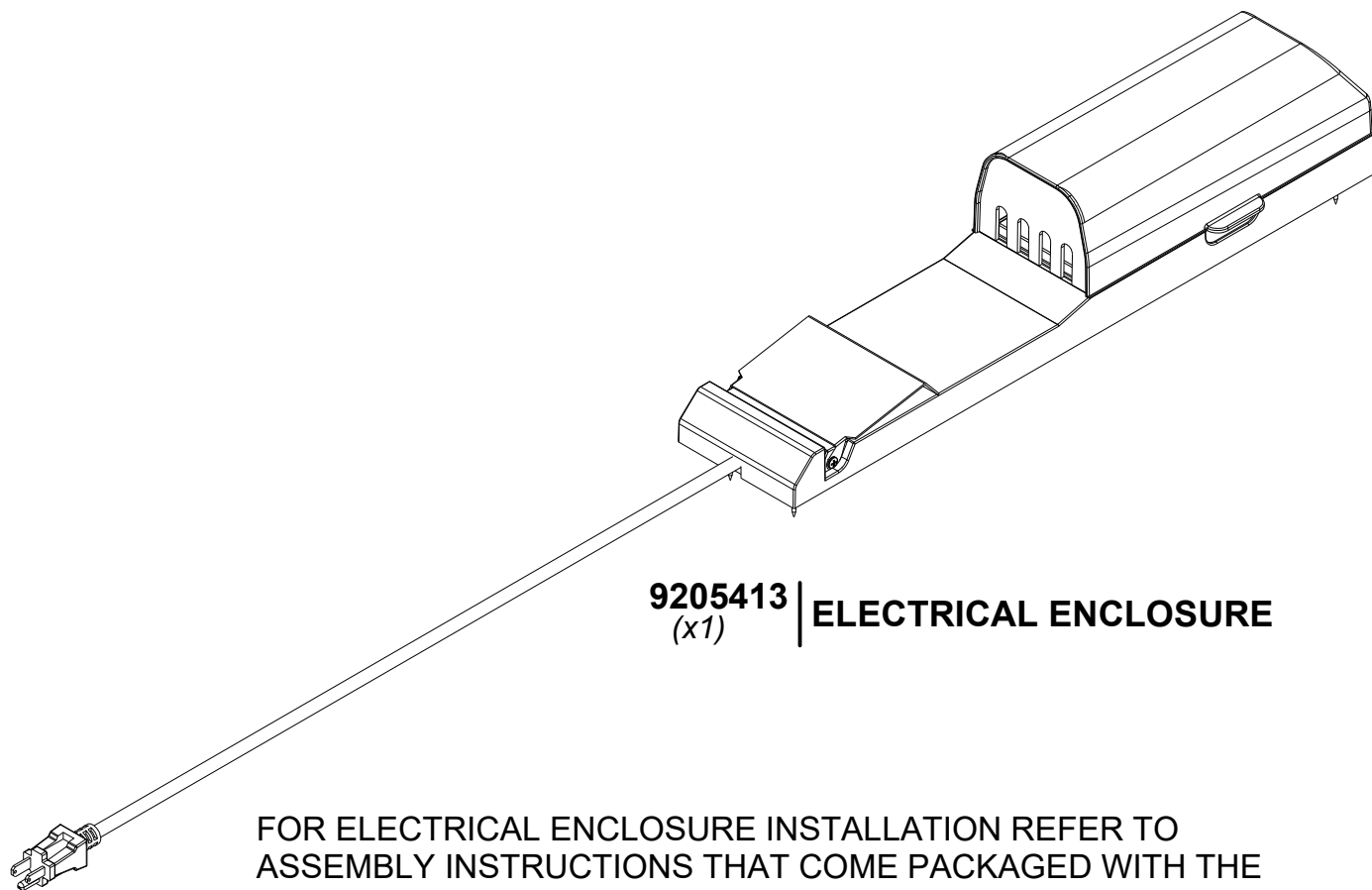


MANUFACTURER RECOMMENDS INSTALLATION ON CONCRETE SURFACE OR CONCRETE POST PAD AS SHOWN BELOW.

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



ELECTRICAL ENCLOSURE



9205413 | **ELECTRICAL ENCLOSURE**
(x1)

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.