



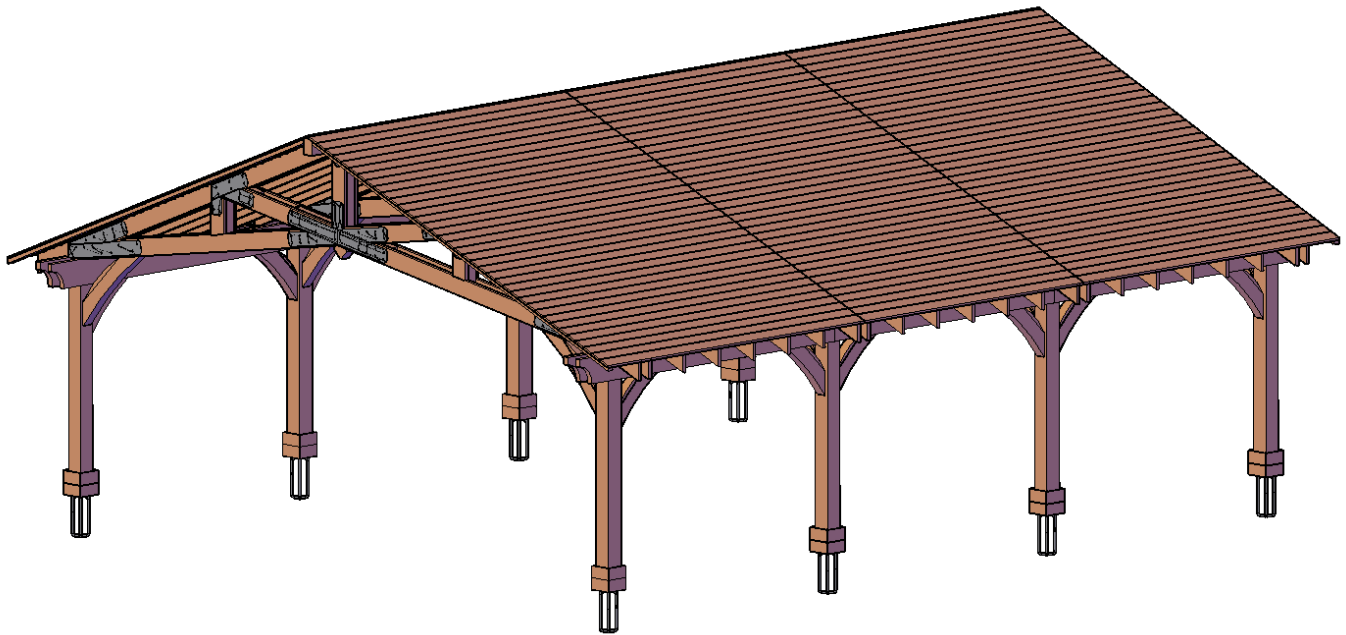
# FOREVER REDWOOD

*From the Forest, For the Forest since 1995*

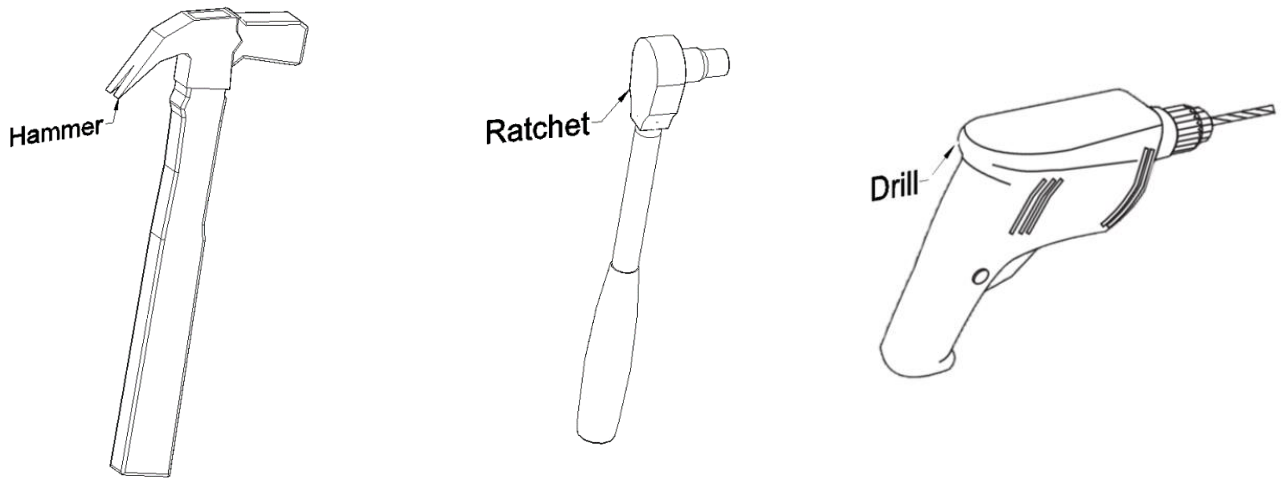
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866.332.2403 (TOLL FREE) (707) 640.29.05 (Option 4) Direct Line for the Design Department; 7am – 7pm Pacific Time, Monday-Saturday

## ASSEMBLY INSTRUCTIONS FOR THE CUSTOM SCISSOR TRUSS PAVILION

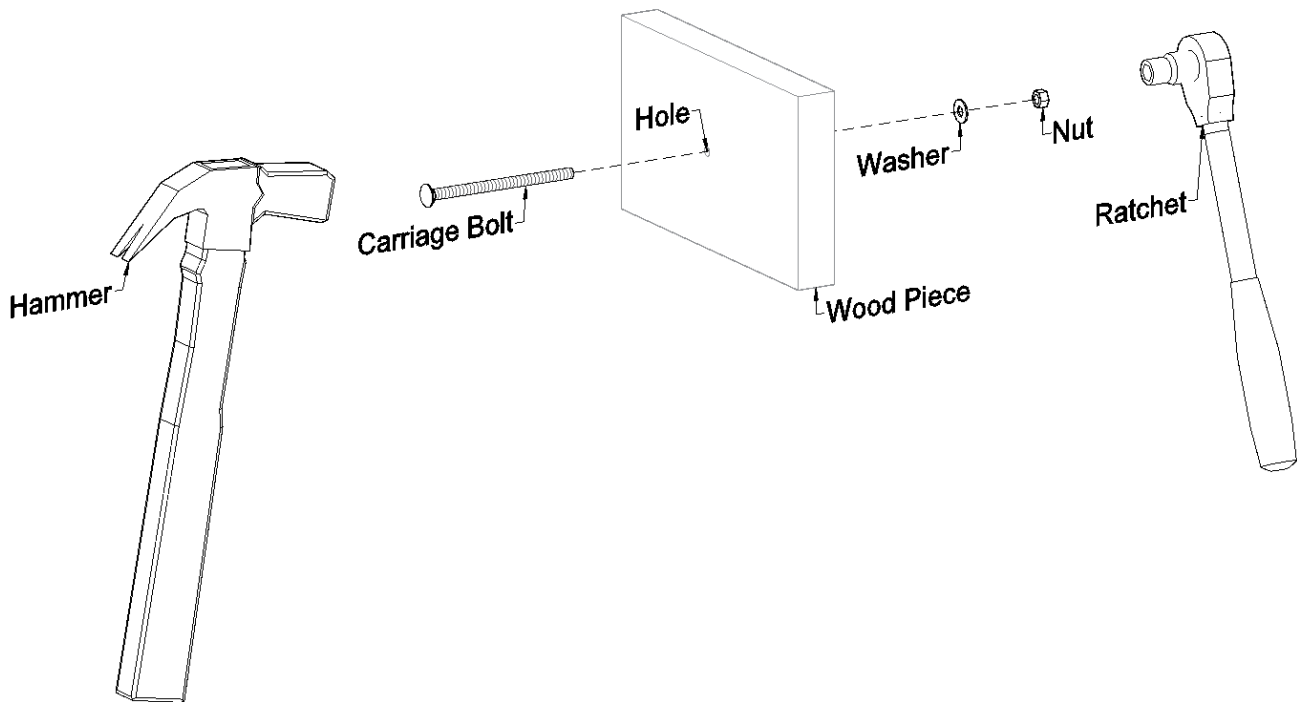


**NOTE:** Assembly is best done by two people. To assemble your product, you need a Hammer, a Ratch or a wrench and if required a Drill.



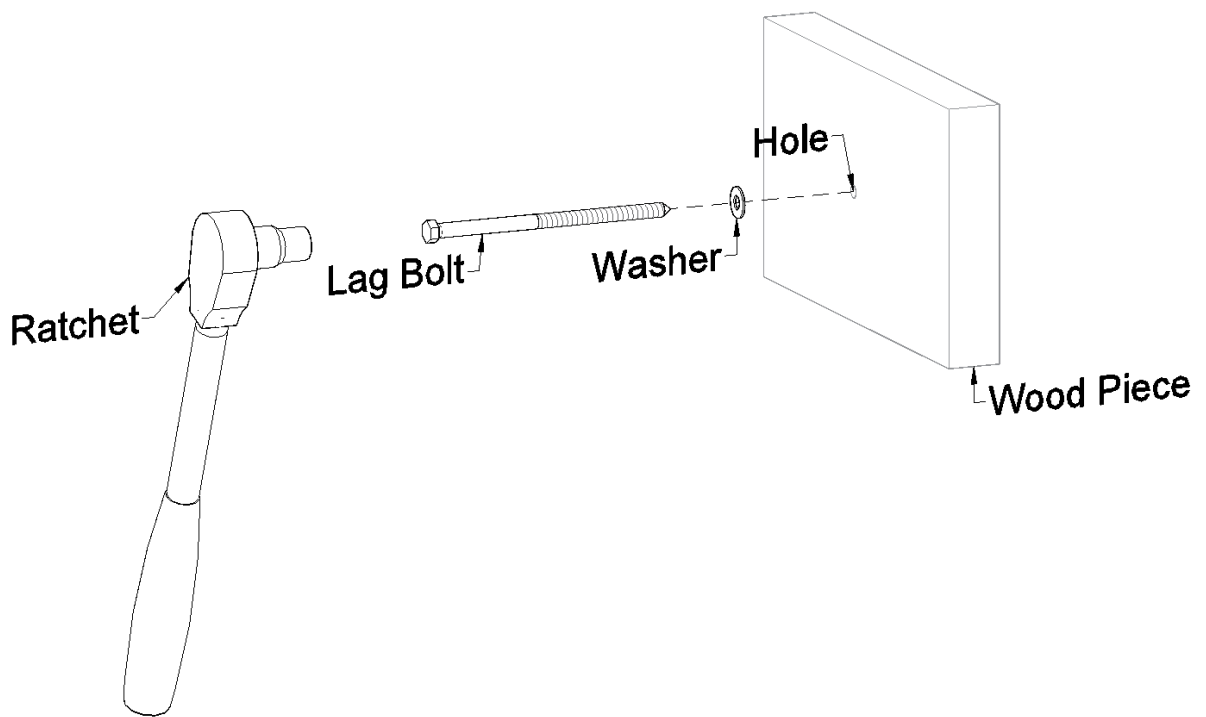
**Required Tools (Are not included in your hardware packing).**

**PROCESS TO INSTALL THE HARDWARE PROVIDED.**



**To install the bolts.**

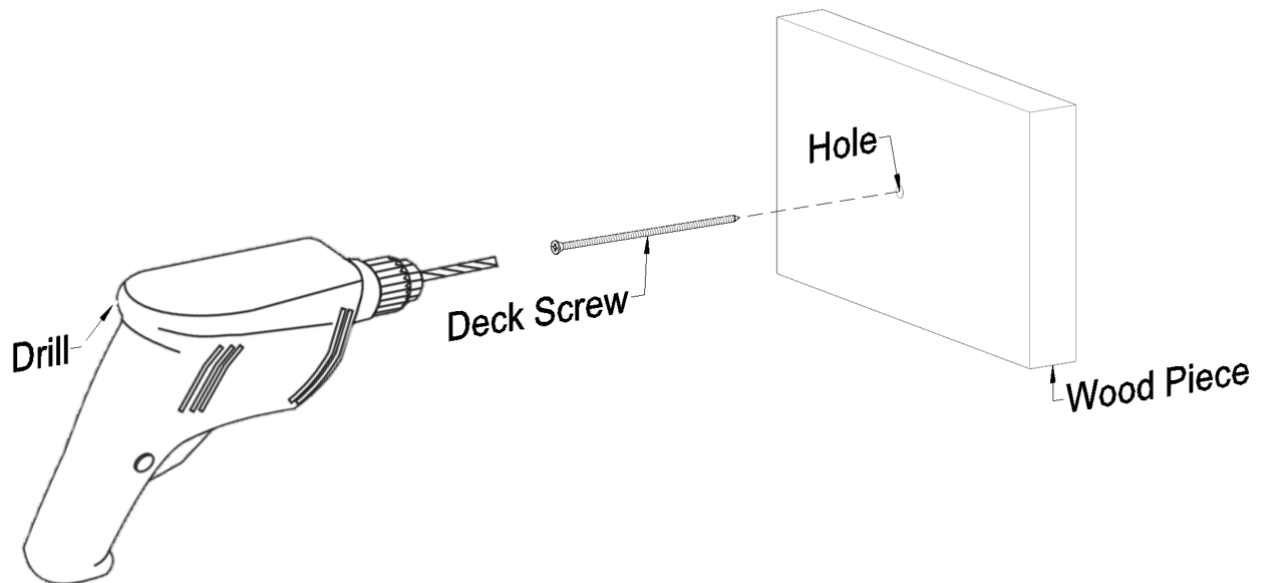
Insert the carriage bolts into the holes and lightly tap with a hammer until the square neck fit in the wood piece and the bolt head must flush with the wood piece. Finally, place the washer and the nut and carefully tighten it using a ratch with the necessary socket or a wrench.



**To install the lag bolts.**



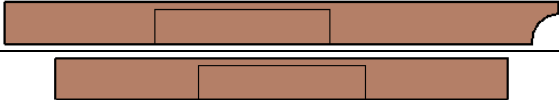
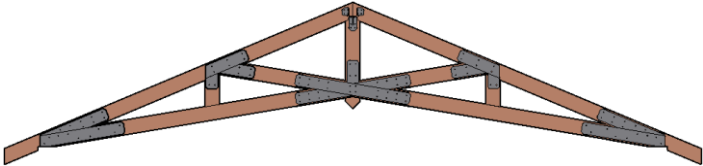





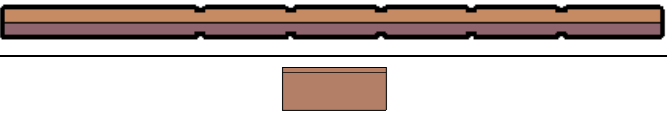







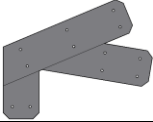
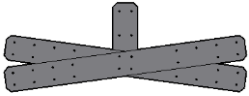
Place the washers in their lag bolts. After that, insert the lag bolts into the holes and carefully tighten it using a **ratch** with the necessary **socket**.

**Use the washers only for the Wood Pieces.**







**To install the deck screws.**








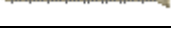




Insert the deck screws into the holes and carefully tighten it using a drill.

CONTENT OF BOXES			
Qty.	Description	Drawing	No.
8	Posts		1
4/2	Supports		2
4/2	Supports with blocking		3
3	Roof trusses (Are disassembled)		4
4	King post		4.1
8	Queen post		4.2
8	Struts		4.3
8	Rafters		4.4
8	Tie beam		4.5
3/2	Ridge Beam		5
12	Main Knee Braces		6
8	Secondary Knee Braces		7
30	Rafters		8
222	Roof Boards		9
4	Roof trims		10
8	Boots		11
16	Metal Plaques -A		12
16	Metal Plaques -B		13
8	Metal Plaques -C		14

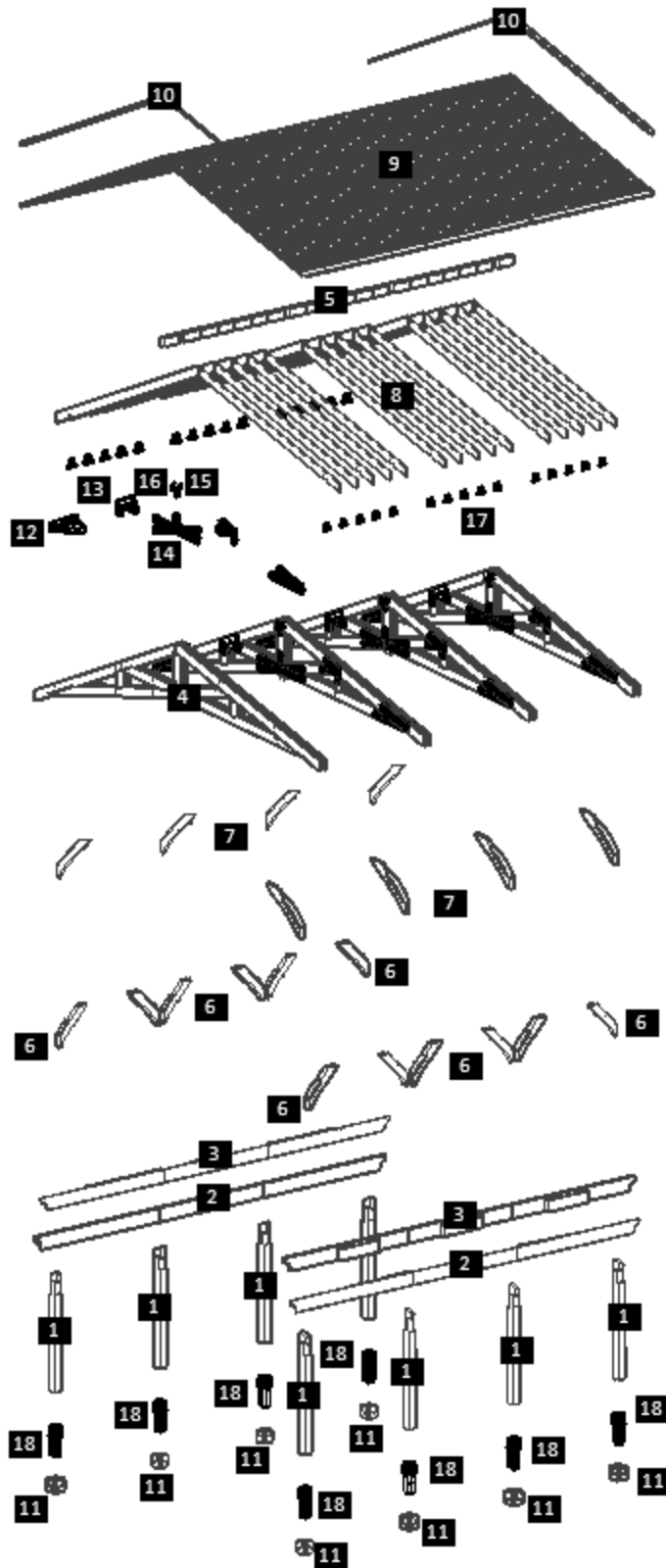
**Note:** Part numbers in the Content of Boxes Table are for reference only. These do not match to the numbers marked on the parts sent.

CONTENT OF BOXES			
Qty.	Description	Drawing	No.
16	L -Plaques -A		15
8	L -Plaques -B		16
30	Metal Bases -A		17
8	High wind anchor bases		18

**Note:** Part numbers in the Content of Boxes Table are for reference only. These do not match to the numbers marked on the parts sent.

HARDWARE LIST			
Qty.	Description	Drawing	No.
636	3/8" x 3" Lag Bolts		LB1
30	3/8" x 4" lag bolts		LB2
240	3/8" x 9" bolts		BL1
4	3/8" x 12" bolts		BL2
4	3/8" x 15 1/2" bolts		BL3
60	5/16" x 3" bolts		BL4
1600	2" deck screws		DS1
130	3" deck screws		DS2
40	4" deck screws		DS3
84	3/8" washers		WS
404	3/8" Nuts		NS
30	5/16" Nuts		NS

<b>DESCRIPCION</b>	<b>No.</b>
Posts	1
Supports	2
Supports with blocking	3
Roof trusses	4
Ridge Beam	5
Main Knee Braces	6
Secondary Knee Braces	7
Rafters	8
Roof Boards	9
Roof trims	10
Boots	11
Metal Plaques -A	12
Metal Plaques -B	13
Metal Plaques -C	14
L -Plaques -A	15
L -Plaques -B	16
Metal Bases -A	17
High wind anchor bases	18

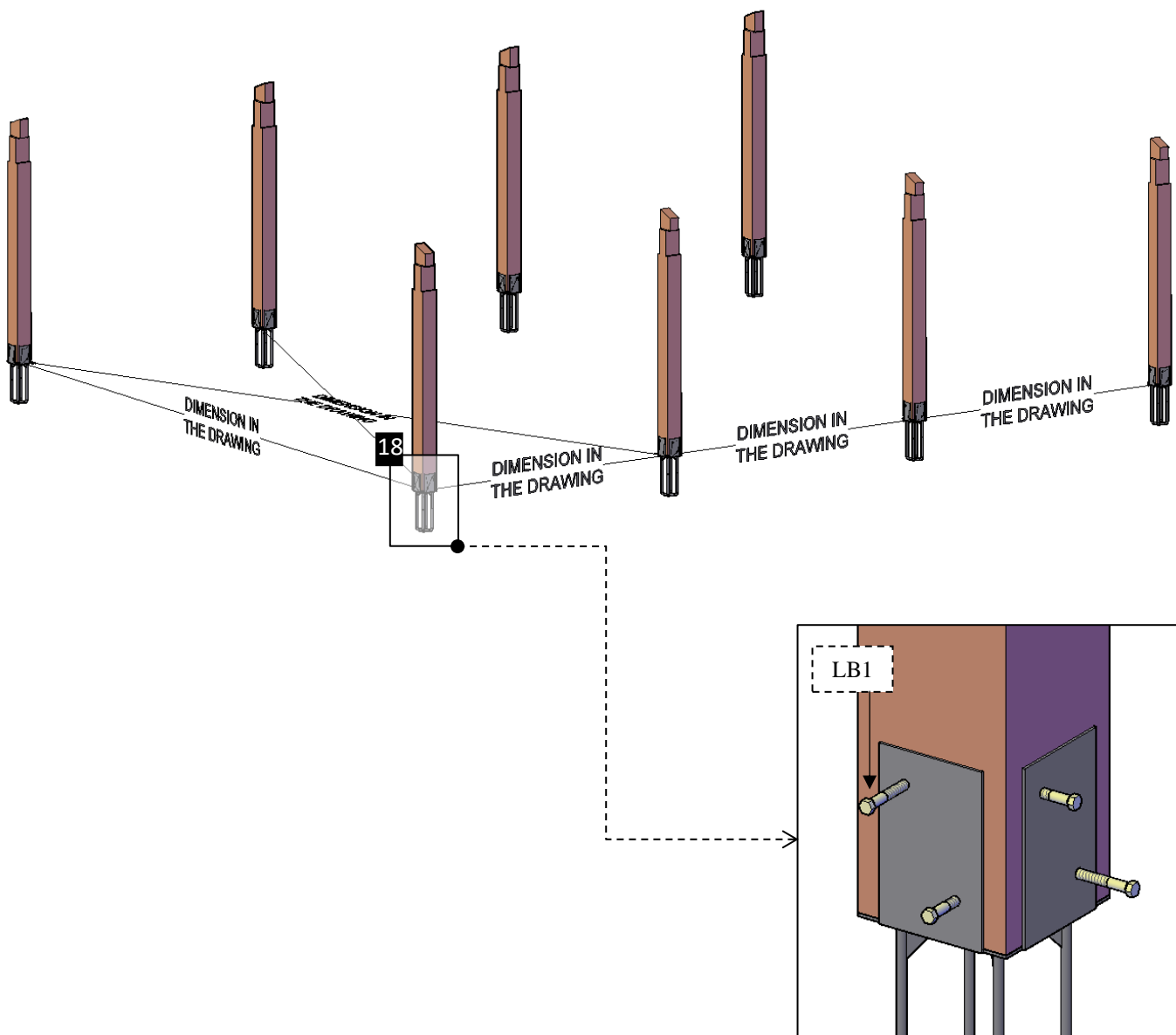



*Note: Part numbers in the Drawing are for reference only. These do not match to the numbers marked on the parts sent.*

**NOTE:** In order to know where the post needs to be placed, check the numbers on them. If the post is not marked, then place the single Supports on the ground to locate the markings for each post position and clearly set your bearings. (“Don’t attach yet, only place them on the ground to begin with”).

**Note:** Before install the anchor bases make sure that the ground is level using a carpenter's level or hydro-level (water level).

**Step 1:** Install the High wind anchor Bases (18). Please see the “How to anchor your pergola document” for all details. Set your post (1) in the saddle of the anchor bases. Drill a  $\phi$  1/4” hole in the post prior to anchoring to facilitate the ratcheting of the hardware. After that, use 3/8” x 3” Lag Bolts (LB1) to attach each post to its respective anchor base.

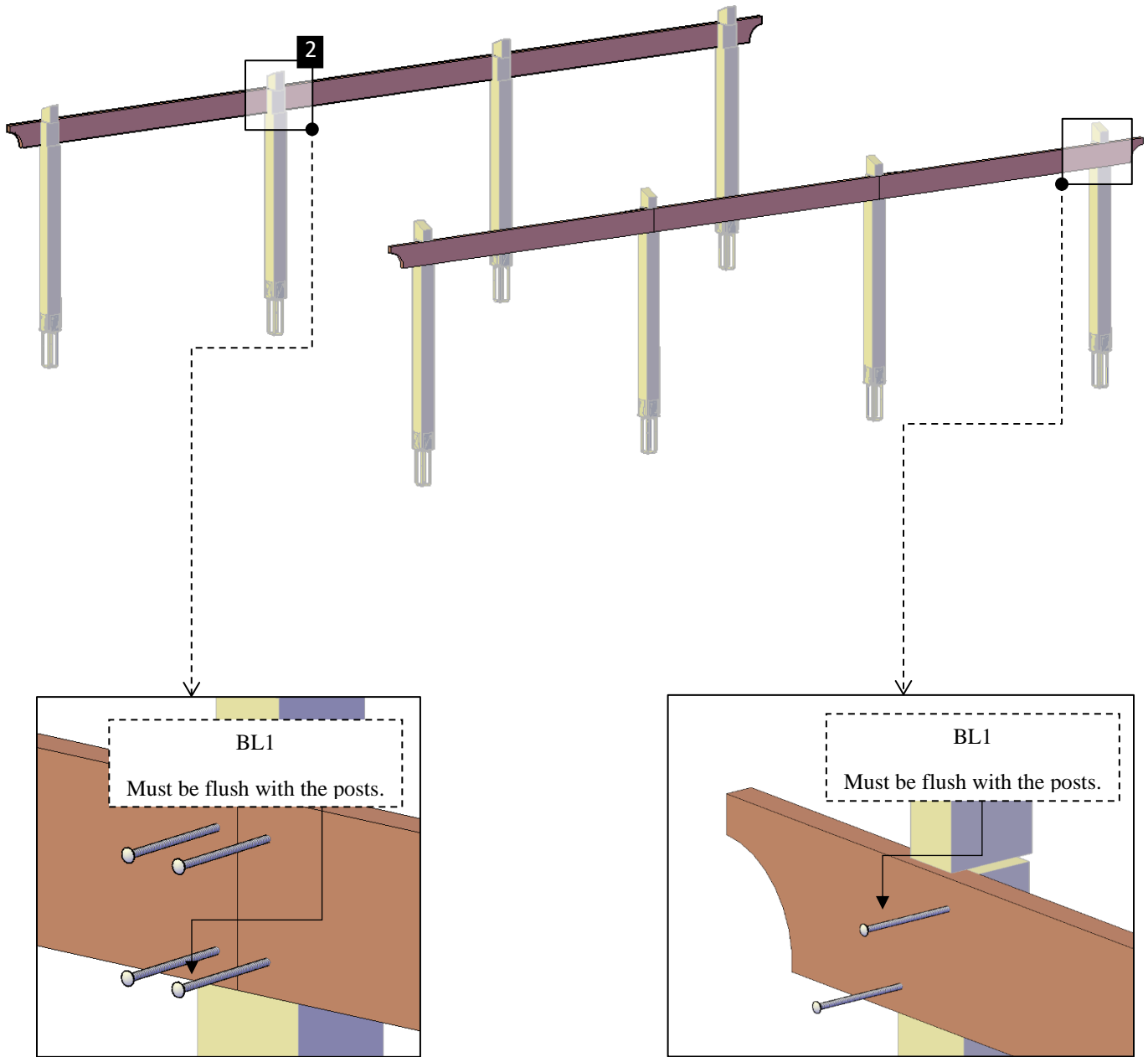


REQUIRED HARDWARE			
Qty.	Description	Drawing	No.
64	3/8” x 3” Lag Bolts		LB1






**Step 2:** Attach the single supports (2) to the posts with 3/8" x 9" bolts (BL1) with washer and nuts. Check the marked numbers on each support and place as drawings shown.

**Note:** Don't completely tighten yet the bolts – you will need the install the supports with in between blocking first.

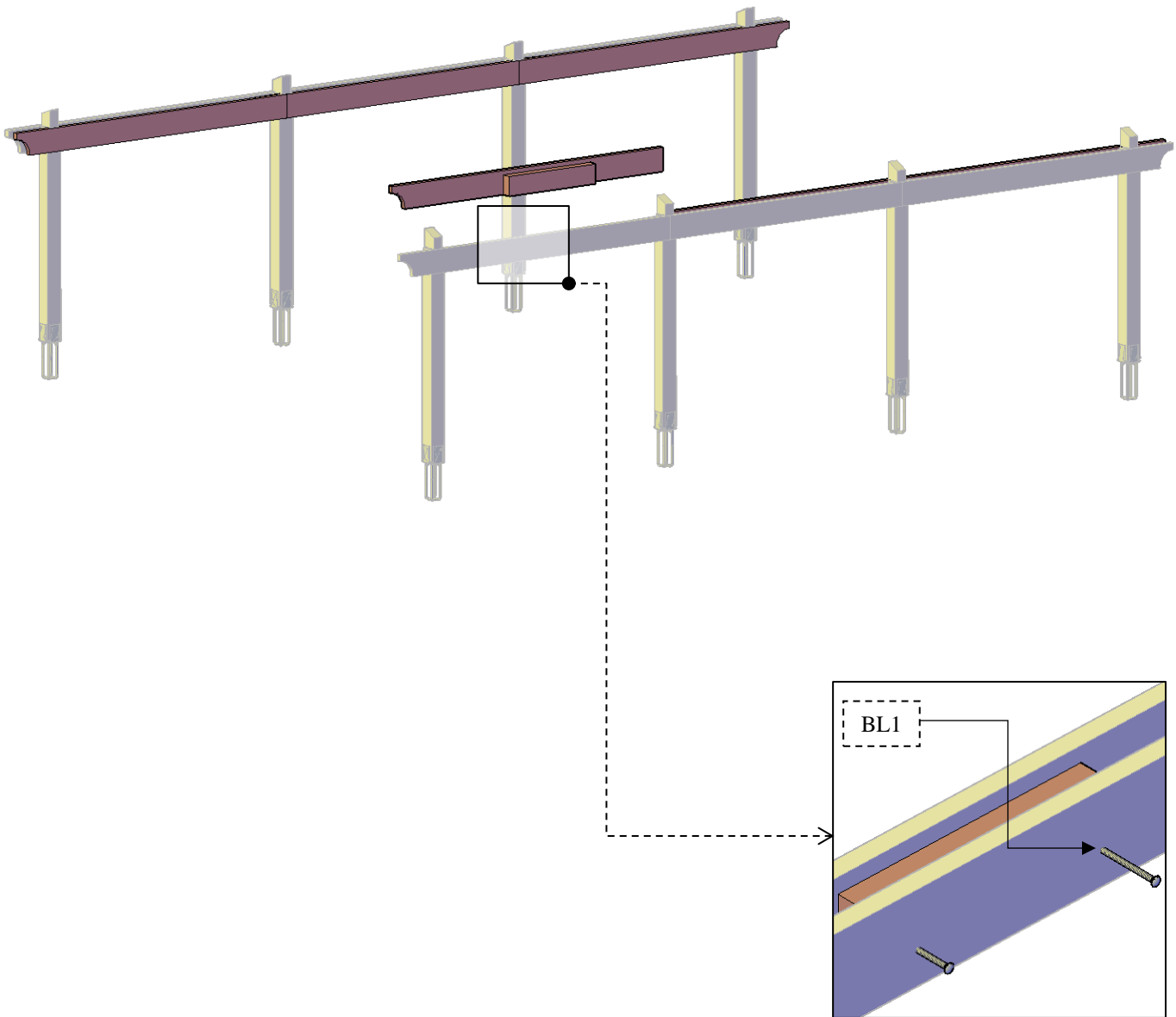





**REQUIRED HARDWARE**

Qty.	Description	Drawing	No.
24	3/8" x 9" bolts		BL1
24	3/8" washers		WS
24	3/8" Nuts		NS

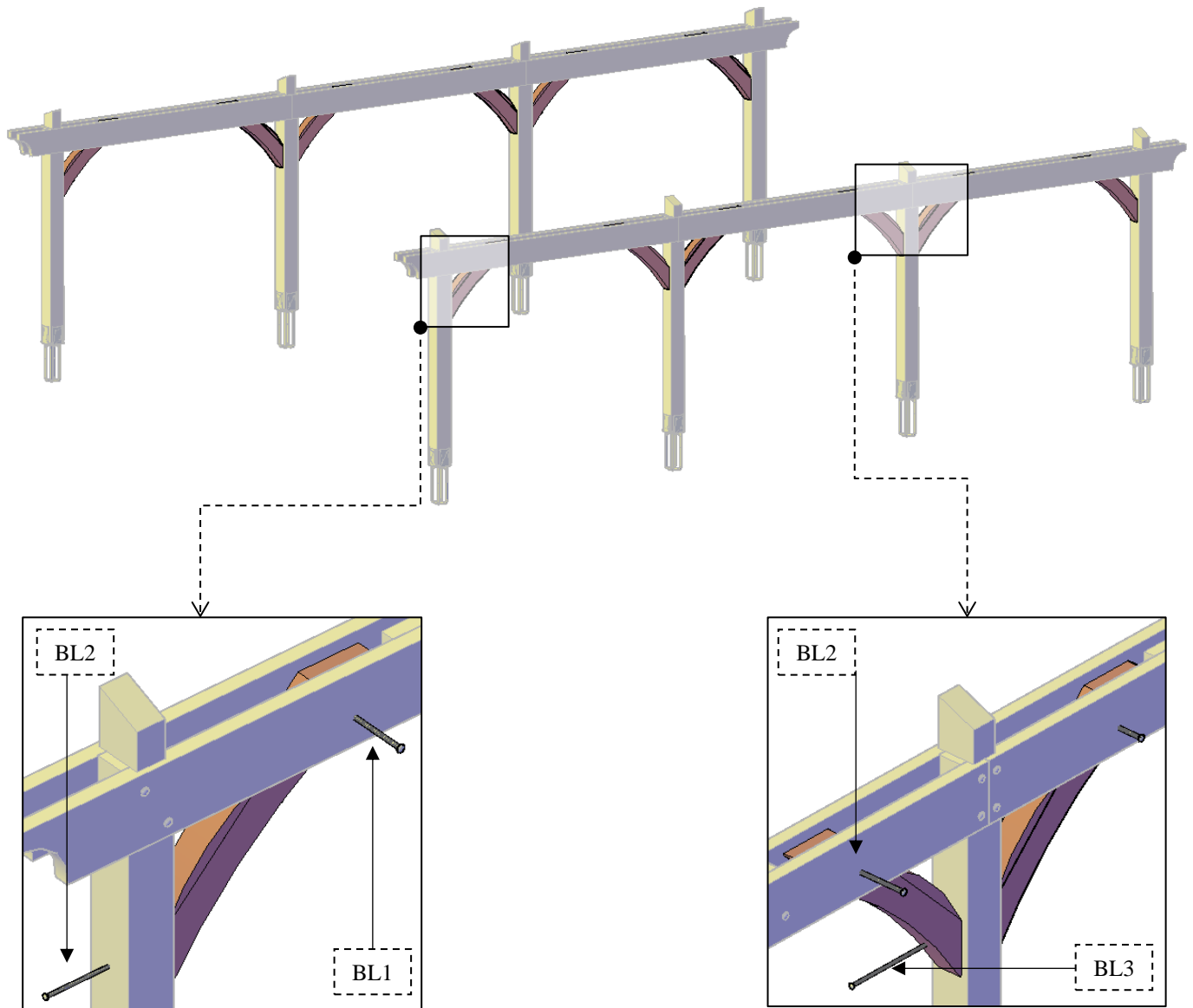
**Step 3:** Attach the single supports to the supports with blocking (3), use 3/8" x 9" bolts (BL1) with washer and nuts. After that, return to the bolts described in the step 3 and tighten fully. Check the marked on each support with blocking and place as drawings shown.

*Note: put silicone in joints of the supports with blocking.*



REQUIRED HARDWARE			
Qty.	Description	Drawing	No.
12	3/8" x 9" bolts		BL1
12	3/8" washers		WS
12	3/8" Nuts		NS

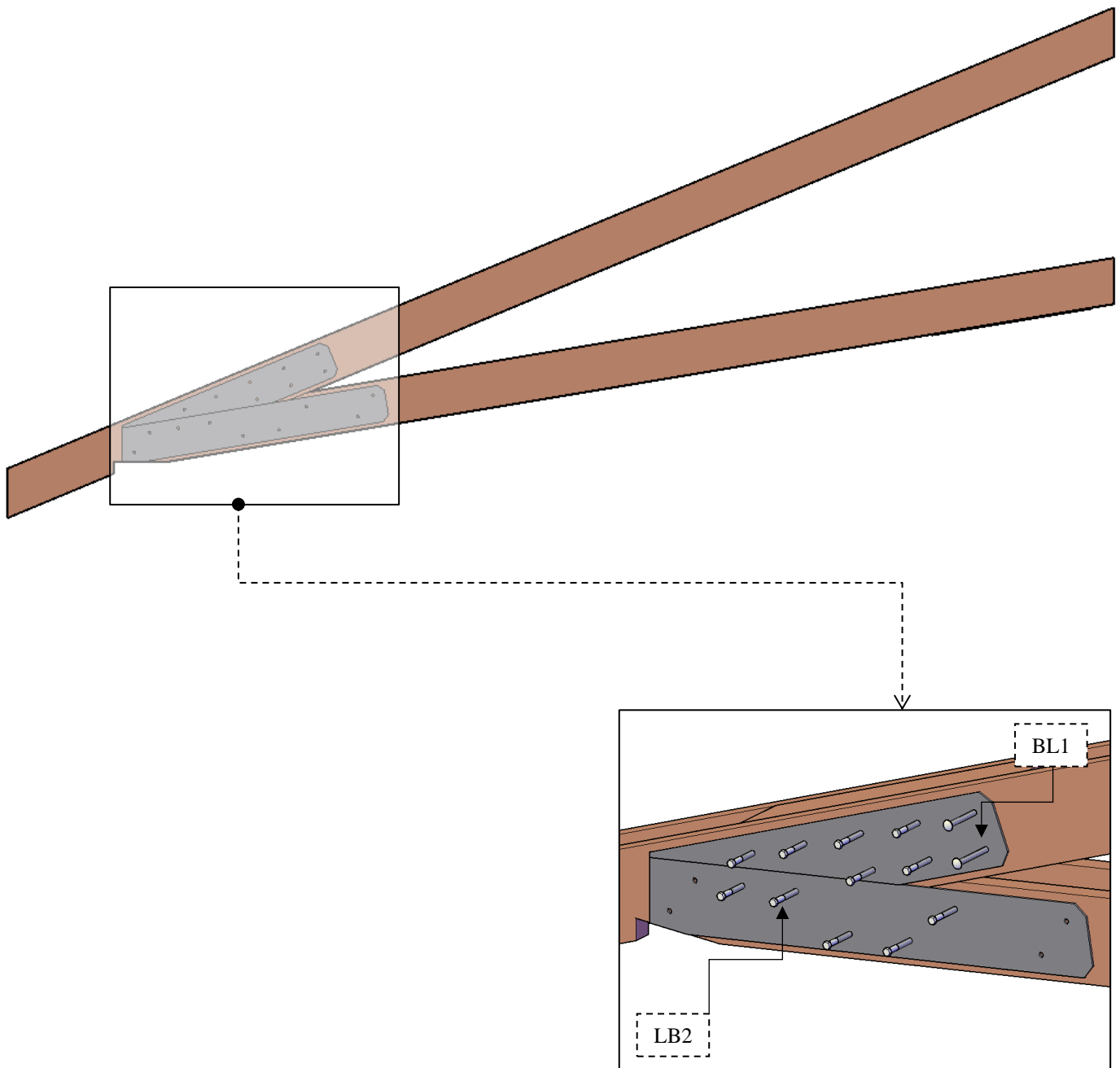
**Step 4:** Use 3/8" x 9" bolts (**BL1**) to attach the main knee brace (**4**) to the supports (**2,3**) and to the lateral posts (**1**) with 3/8" x 12" bolts (**BL2**) and to the central post with 3/8" x 15 1/2" bolts (**BL3**). Check the marked numbers on each main knee brace and place as drawings shown.






**REQUIRED HARDWARE**

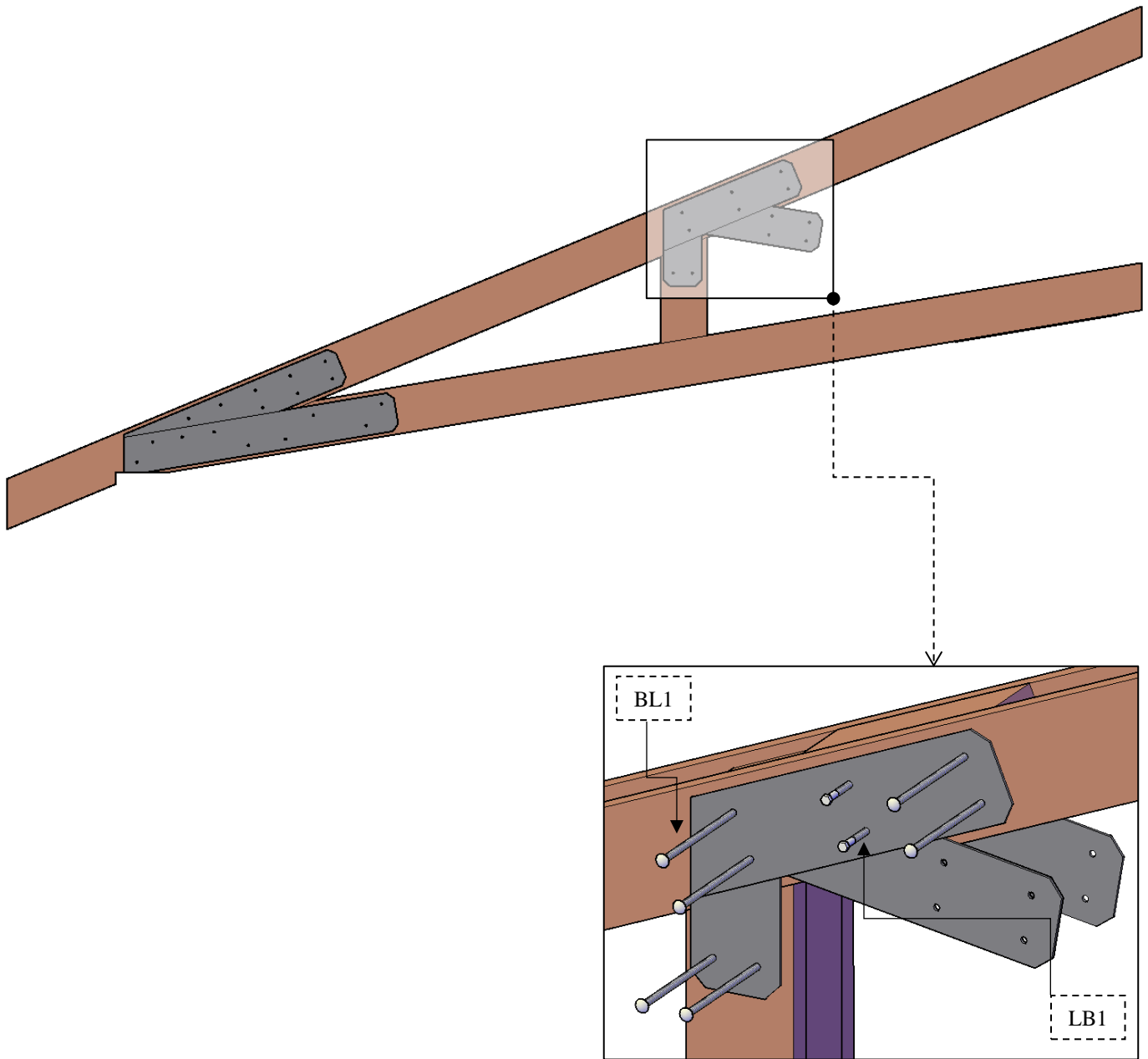
Qty.	Description	Drawing	No.
12	3/8" x 9" bolts		BL1
4	3/8" x 12" bolts		BL2
4	3/8" x 15 1/2" bolts		BL3
20	3/8" washers		WS
20	3/8" Nuts		NS

**Step 5:** Attach the rafters (4.4) to the tie beam (4.5) with metal plaque-A (12), 3/8" x 3" lag bolts (LB1) and 3/8" x 9" bolts (BL1). Check the marked number on each rafter and place as drawings shown.

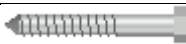




REQUIRED HARDWARE PER TRUSS			
Qty.	Description	Drawing	No.
44	3/8" x 3" lag bolts		LB1
4	3/8" x 9" bolts		BL1
4	3/8" Nuts		NS

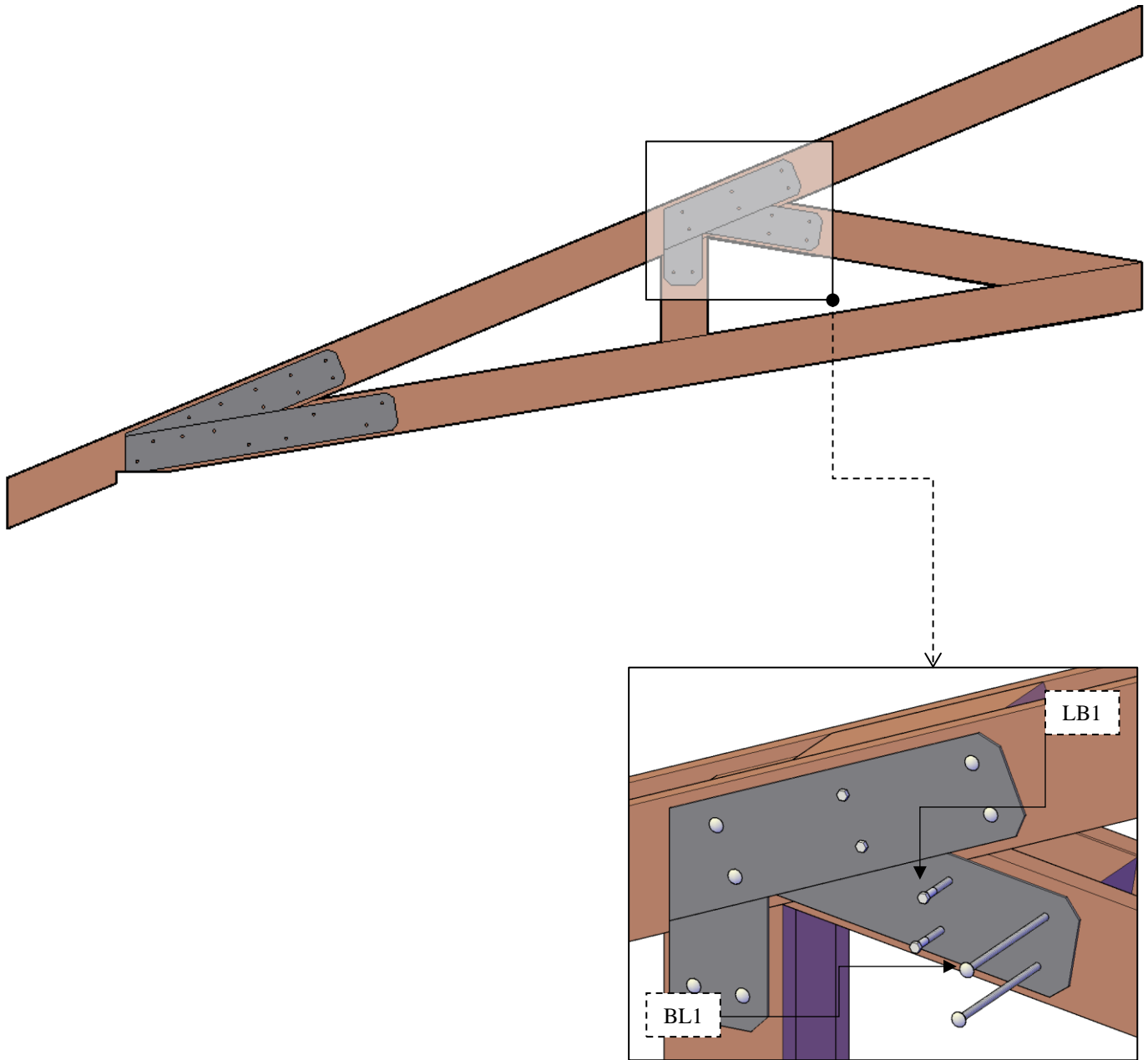
**Step 6:** Attach the queen post (4.2) to the rafter (4.4) with metal plaque-B (13) and use 3/8" x 3" lag bolts (LB1) and 3/8" x 9" bolts (BL1). Check the marked number on each queen post and place as drawings shown.

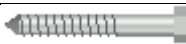




**REQUIRED HARDWARE PER TRUSS**

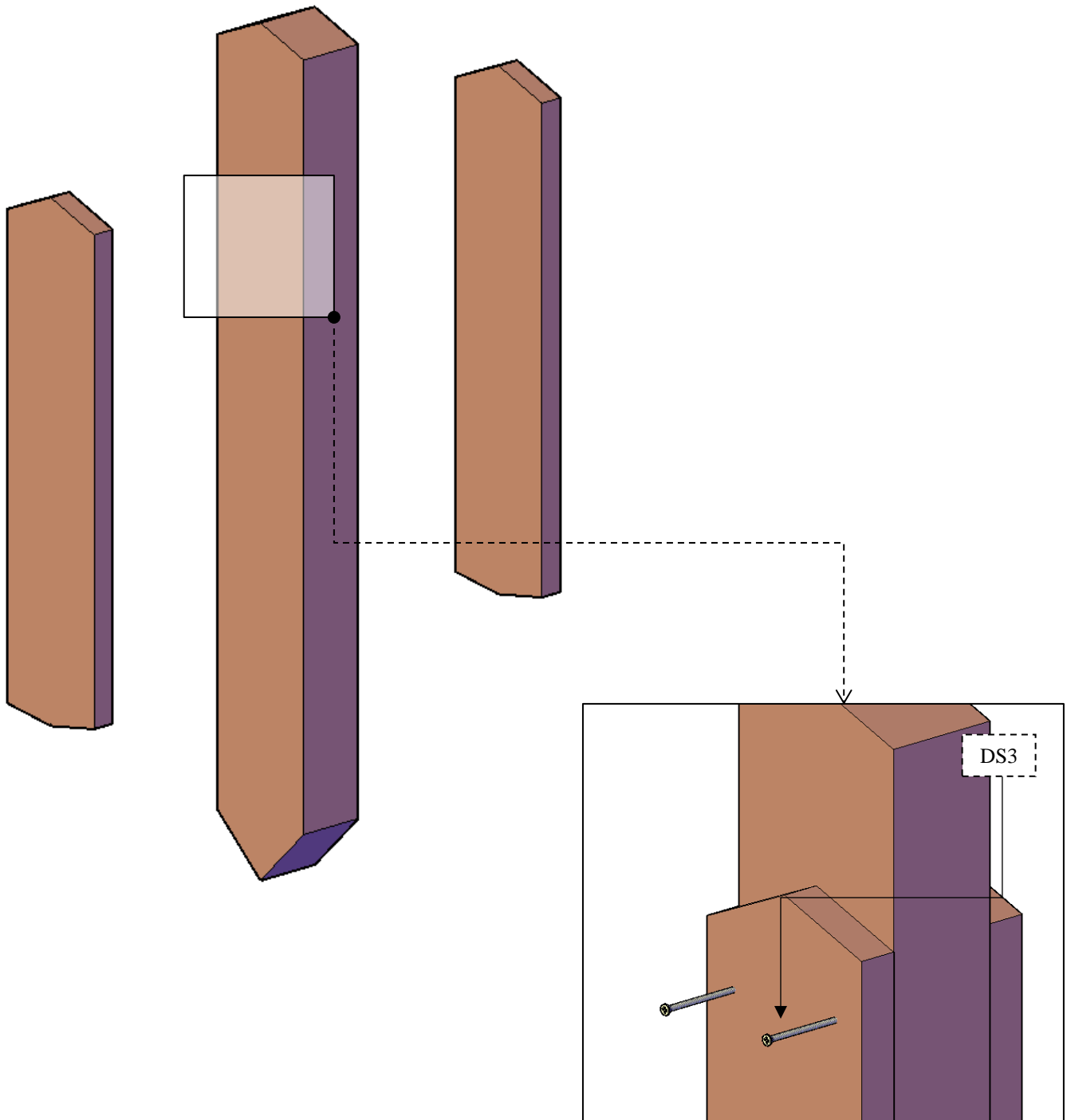
Qty.	Description	Drawing	No.
8	3/8" x 3" lag bolts		LB1
12	3/8" x 9" bolts		BL1
12	3/8" Nuts		NS


**Step 7:** Attach the struts (4.3) to the rafter (4.4) with metal plaque-B (13) and use 3/8" x 3" lag bolts (LB1) and 3/8" x 9" bolts (BL1). Check the marked number on each strut and place as drawings shown.



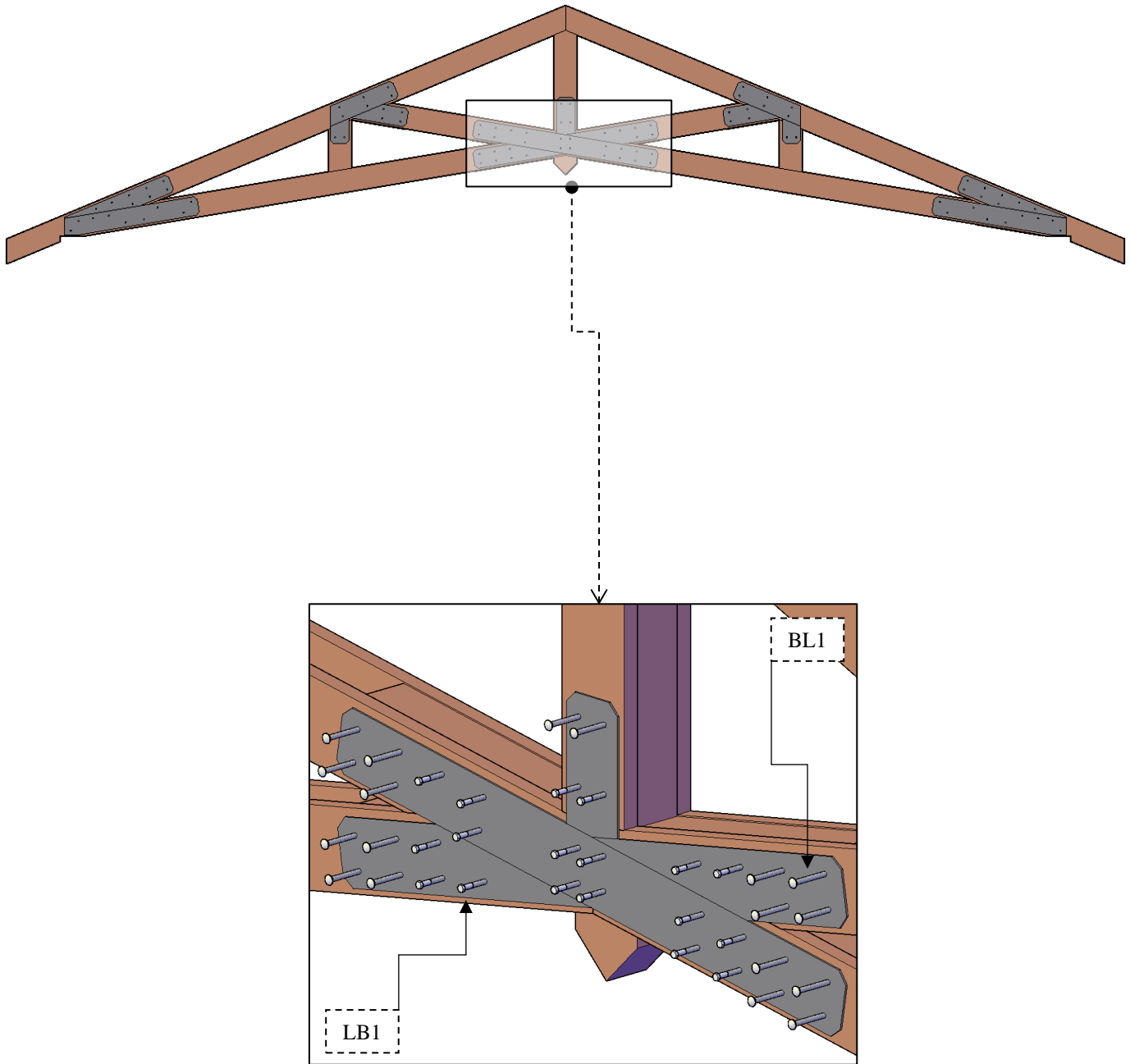
REQUIRED HARDWARE PER TRUSS			
Qty.	Description	Drawing	No.
8	3/8" x 3" lag bolts		LB1
4	3/8" x 9" bolts		BL1
4	3/8" Nuts		NS




**Step 8:** Attach the king post (4.1) together with 4" deck screws (DS3). Check the marked on each roof trim and place as drawings shown.



REQUIRED HARDWARE			
Qty.	Description	Drawing	No.
40	4" deck screws		DS3

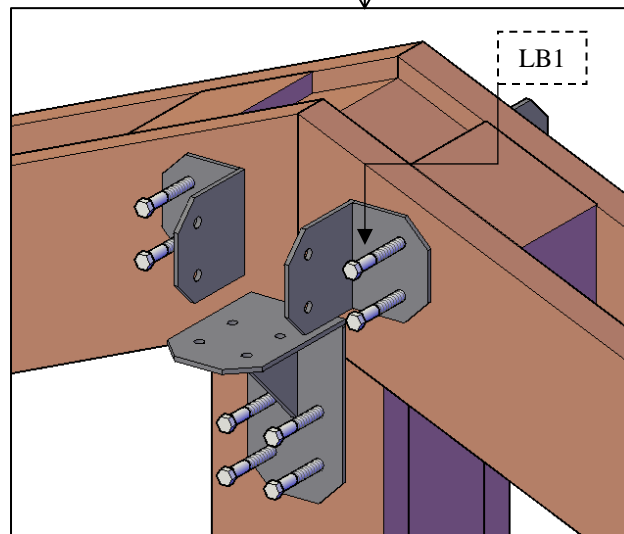
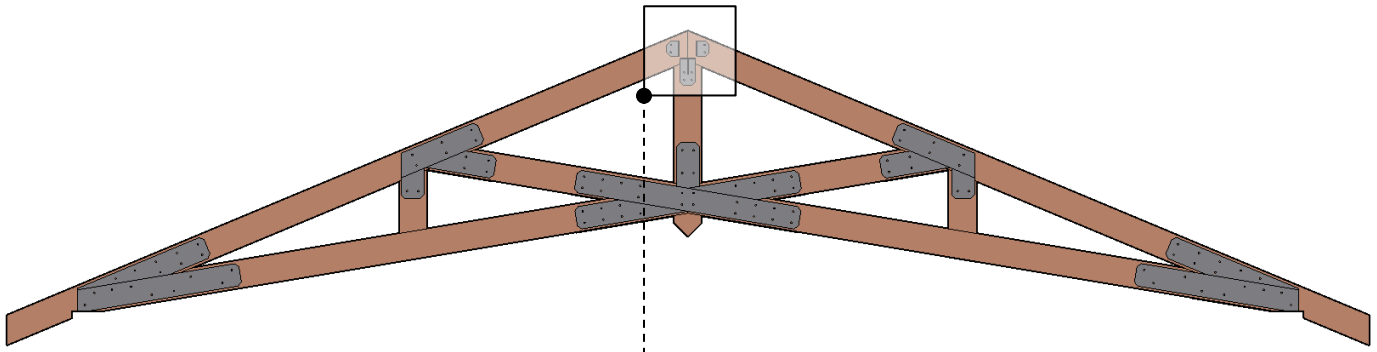
**Step 9:** Attach the struts (4.3), the tie beam (4.5) and the king post (4.1) with metal plaque-C (14) and 3/8" x 9" bolts (BL1) & 3/8" x 3" lag bolts (LB1). Check the marked on each section truss -C and place as drawings shown.




REQUIRED HARDWARE PER TRUSS			
Qty.	Description	Drawing	No.
36	3/8" x 3" lag bolts		LB1
18	3/8" x 9" bolts		BL1
18	3/8" Nuts		NS

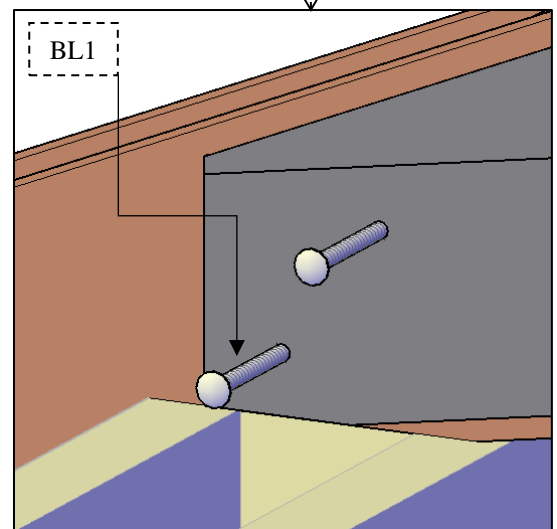
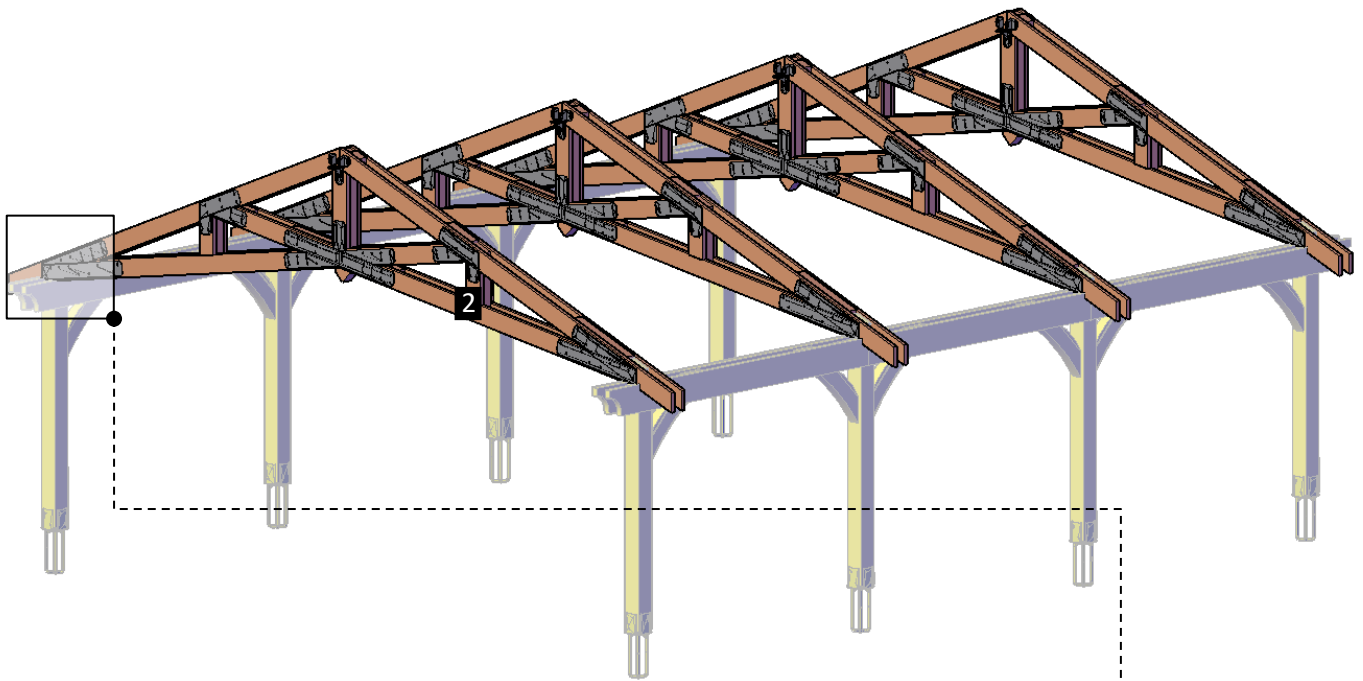




**Step 10:** Attach the L-plaques -A & B (15, 16) to the rafters (4.4) and to the king post (4.1) with 3/8" x 3" lag bolts (LB1).



REQUIRED HARDWARE PER TRUSS			
Qty.	Description	Drawing	No.
16	3/8" x 3" lag bolts		LB1

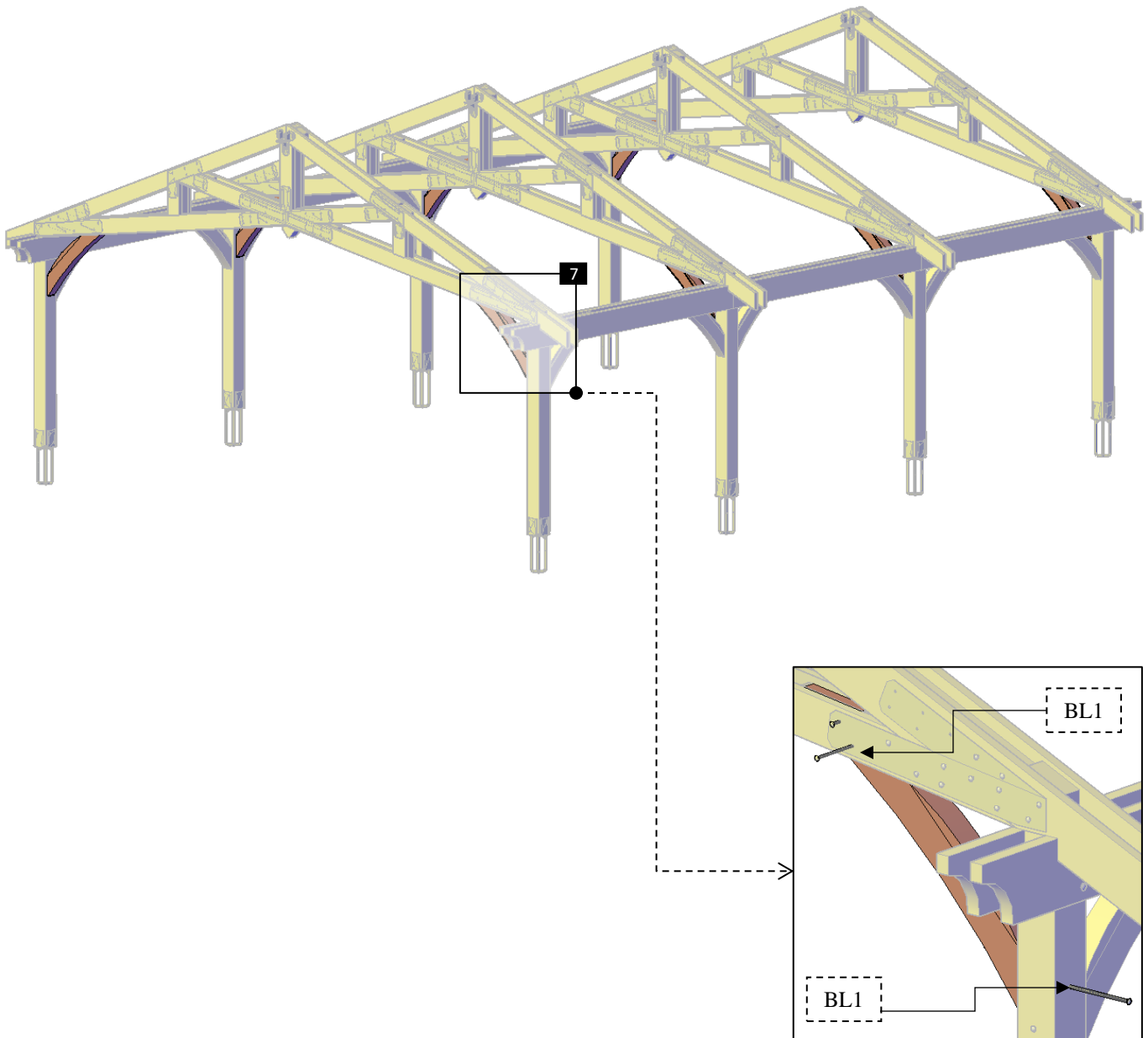
**Step 11:** Attach the roof trusses (4) to the posts with 3/8" x 9" bolts (BL1) with washer and nuts. Check the marked numbers on each roof truss and place as drawings shown.






REQUIRED HARDWARE			
Qty.	Description	Drawing	No.
16	3/8" x 9" bolts		BL1
16	3/8" Nuts		NS

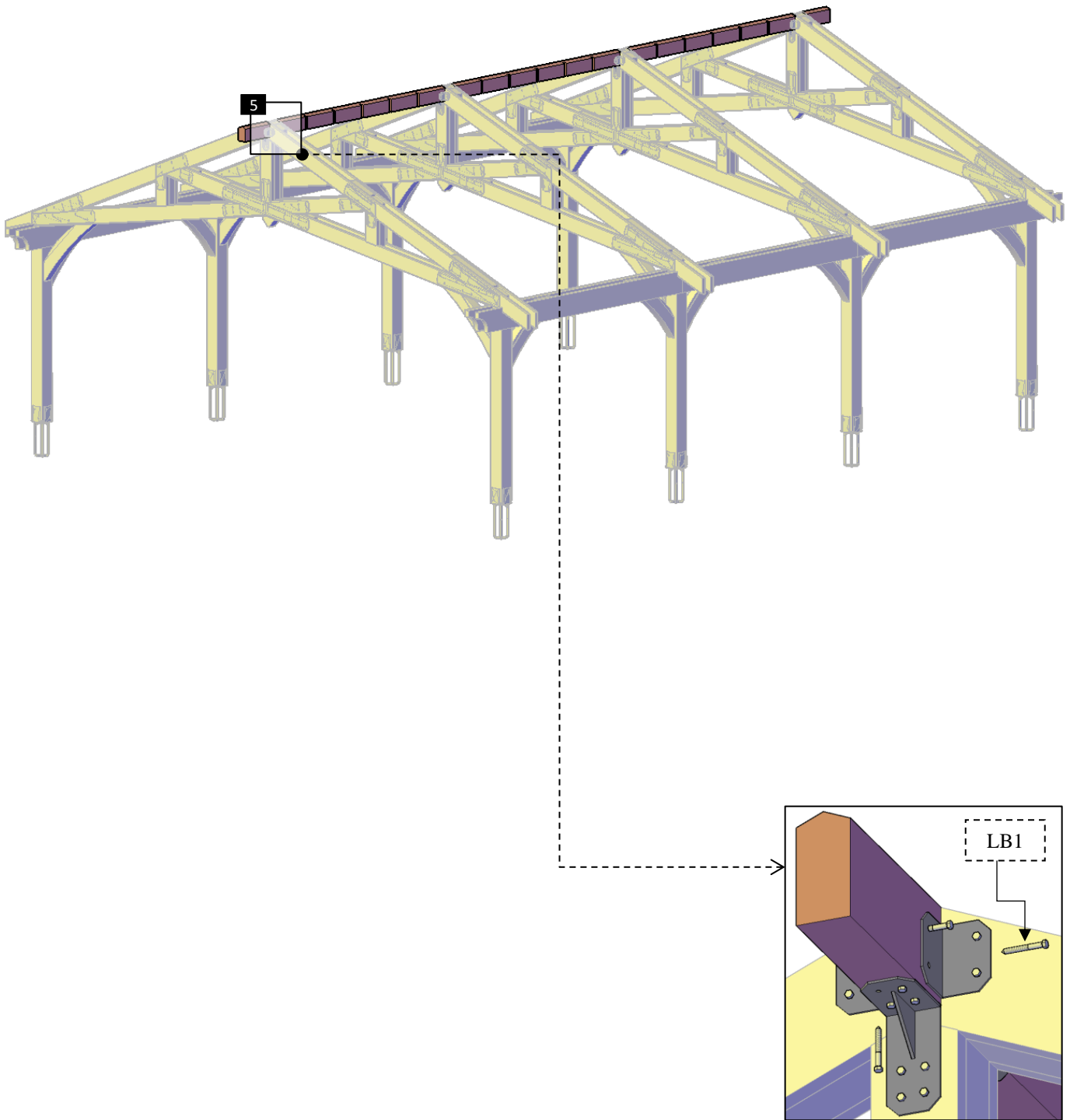
**Step 12:** Attach the secondary knee brace (7) to the roof trusses (4) and to the posts with 3/8" x 9" bolts (BL1). Check the marked on each secondary knee brace and place as drawings shown.

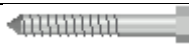
*Note: will be drilled on site.*



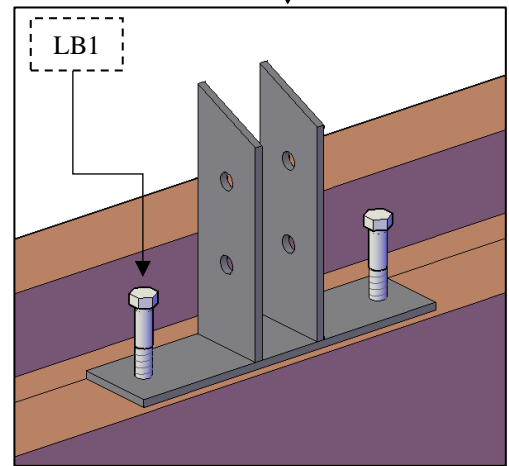
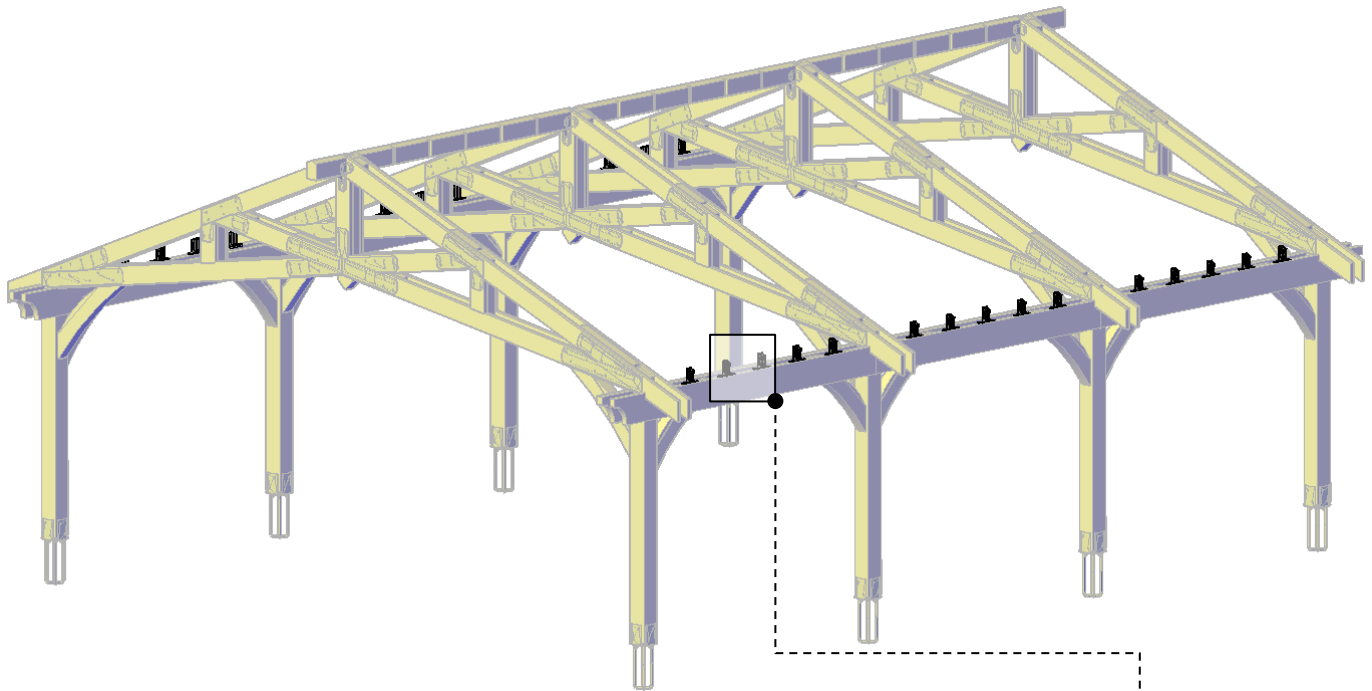
REQUIRED HARDWARE			
Qty.	Description	Drawing	No.
24	3/8" x 9" bolts		BL1
24	3/8" washers		WS
24	3/8" Nuts		NS

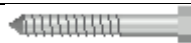
**Step 13:** Attach the ridge beam -A (5) to the L-plaques -A & B (15,16) and to the roof trusses (5) with 3/8" x 3" lag bolts (LB1). Check the marked on each ridge beam -A and place as drawings shown.



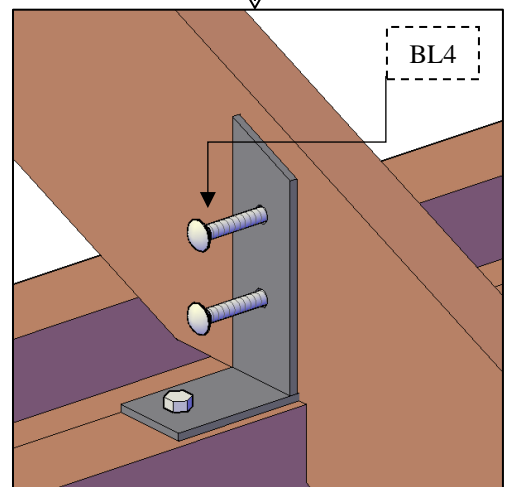
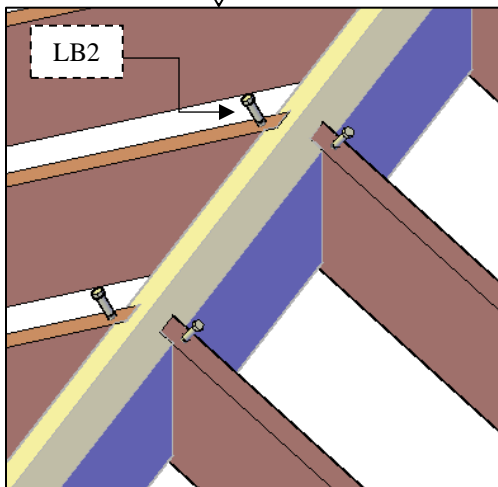
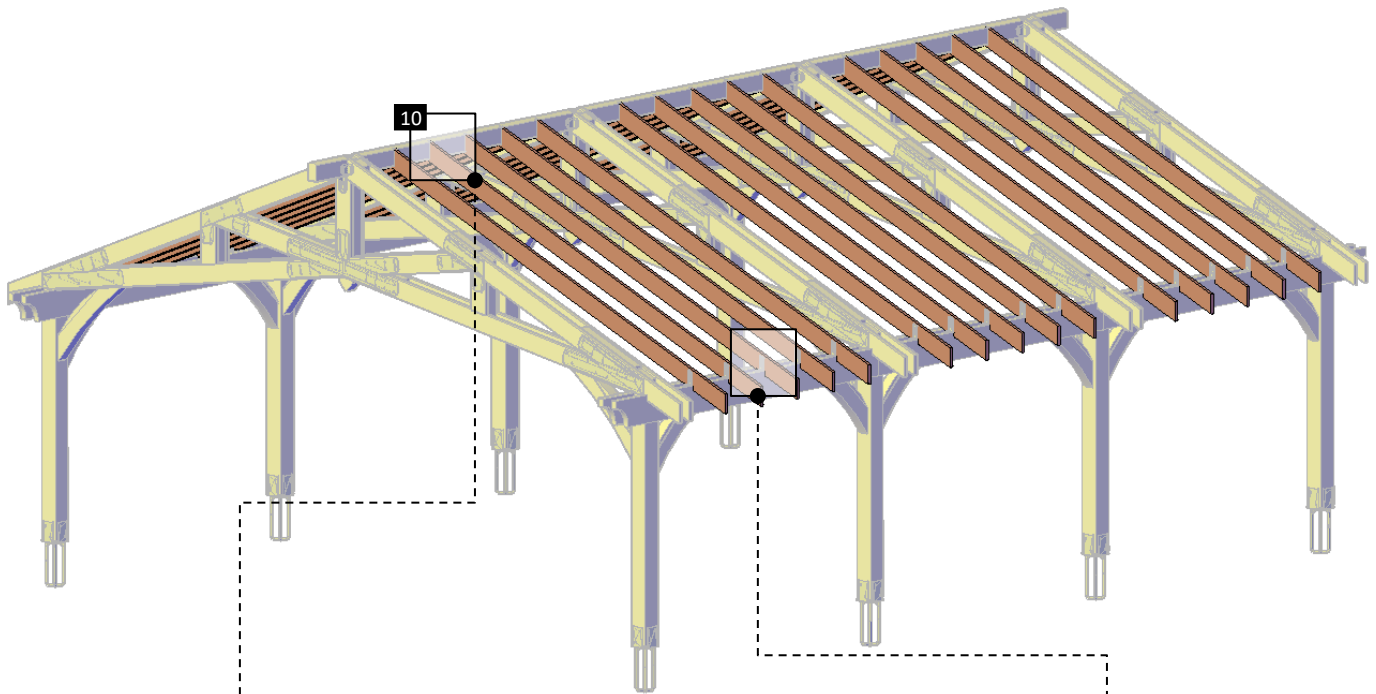
REQUIRED HARDWARE			
Qty.	Description	Drawing	No.
64	3/8" x 3" lag bolts		LB1

**Step 14:** Attach the metal bases-A (17) to the supports with 3/8" X 3" lag bolts (LB1).






REQUIRED HARDWARE			
Qty.	Description	Drawing	No.
60	5/16" X 3" lag bolts		LB1

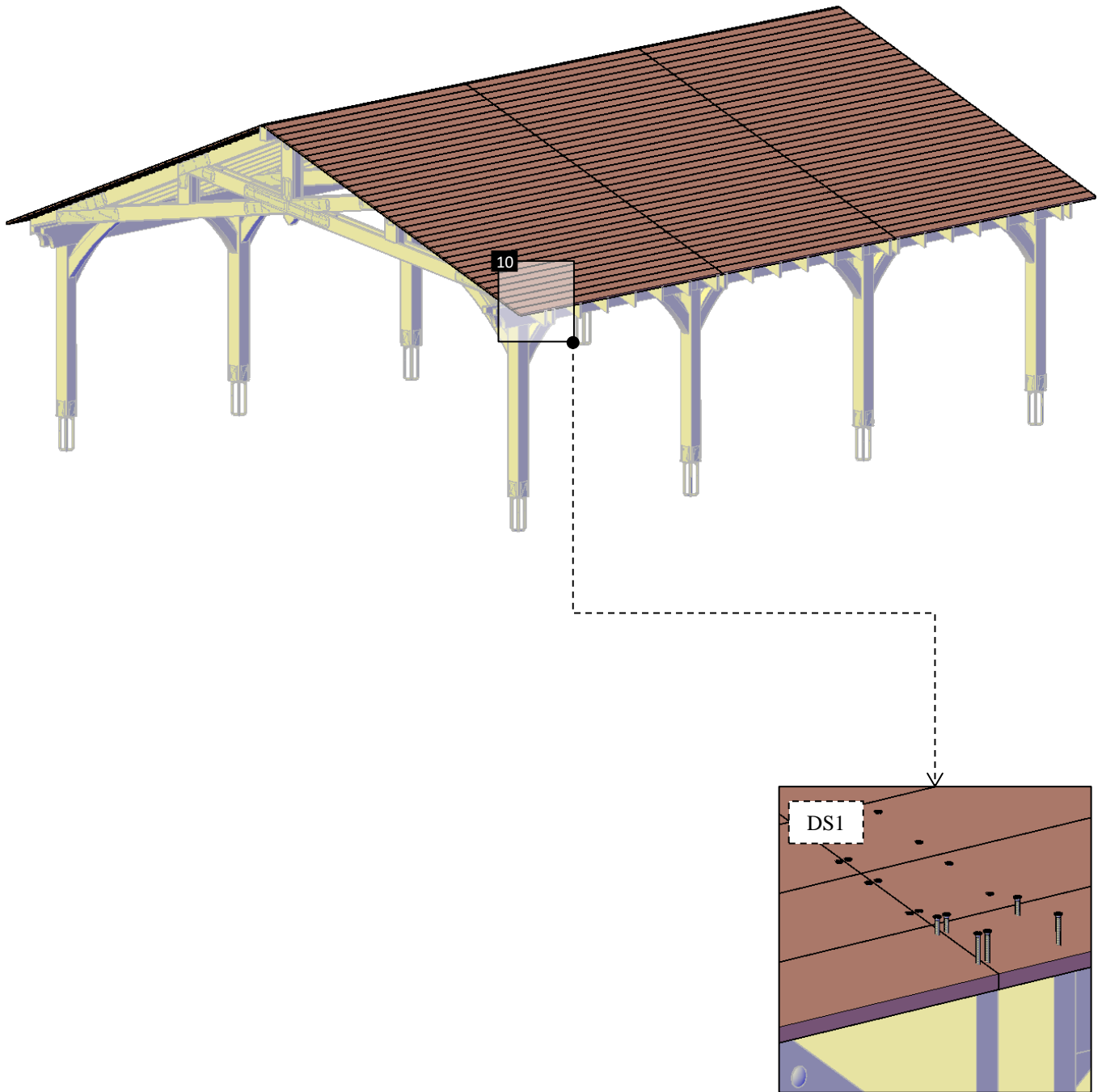
**Step 15:** Attach the rafter (10) to the ridge beam (5) with 3/8" x 4" lag bolts (LB2) and to the metal bases-A (9) with 5/16" x 3" bolts (BL4). Check the marked number on each rafter and place as drawings shown.




**REQUIRED HARDWARE**

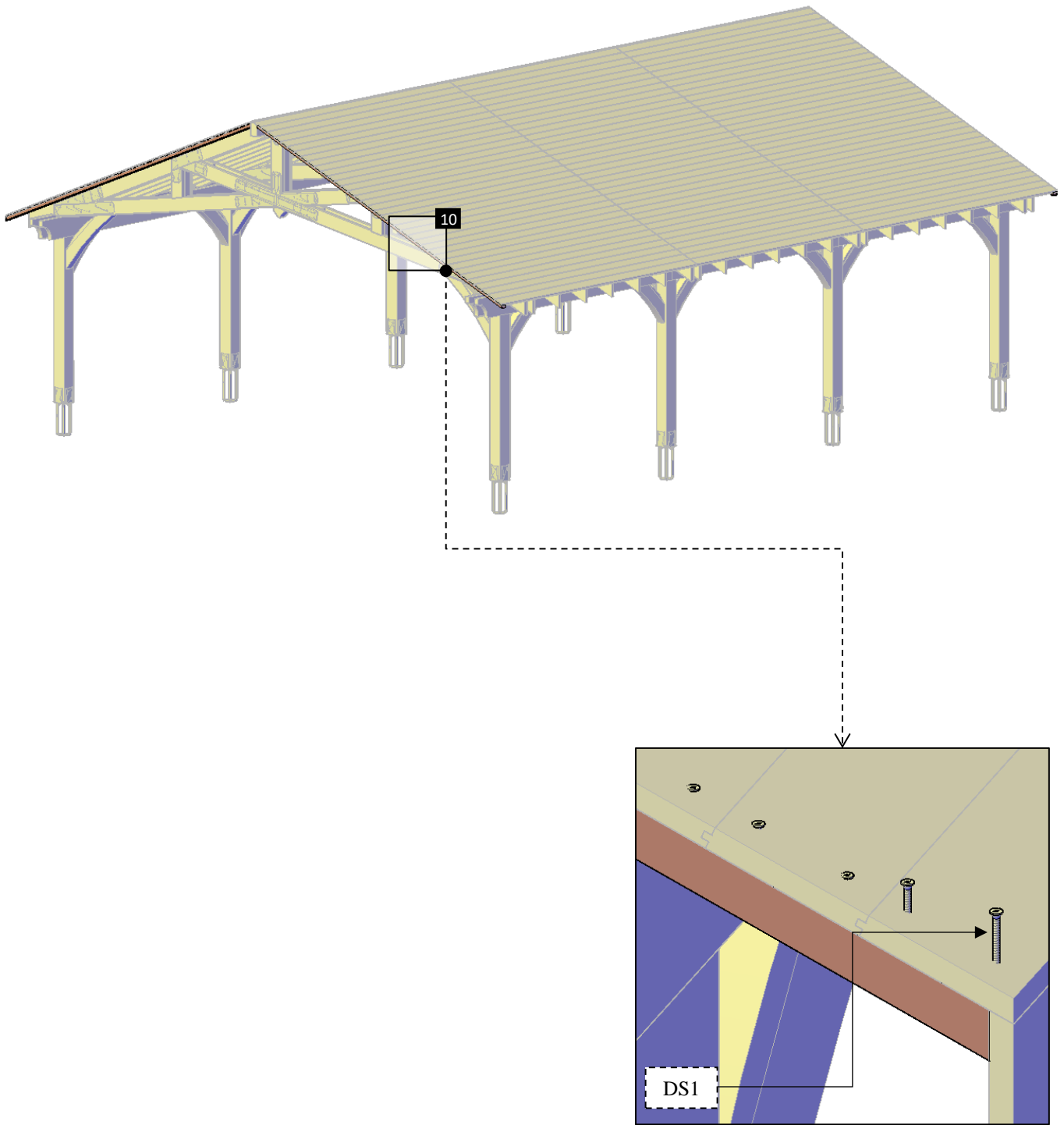
Qty.	Description	Drawing	No.
30	3/8" x 4" lag bolts		LB2
60	5/16" x 3" bolts		BL4
60	5/16" Nuts		NS


**Step 16:** Attach the roof board (10) to the rafters (10) and to the roof trusses (4) with 2” deck screws (DS1). Check the marked numbers on each roof board and place as drawings show.



REQUIRED HARDWARE			
Qty.	Description	Drawing	No.
1500	2” deck screws		DS1

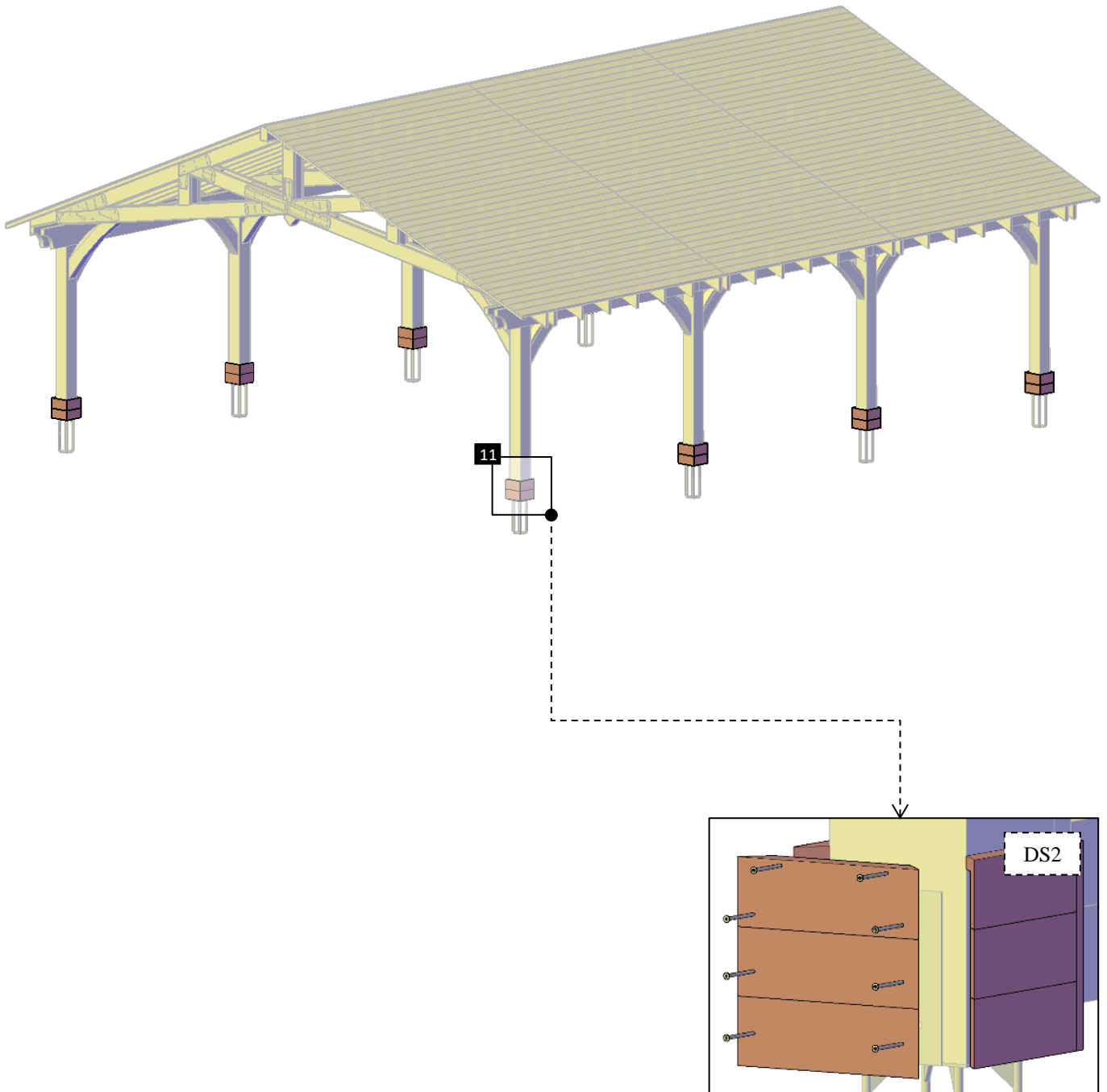
**Step 17:** Attach the roof trims (10) to the roof boards (9) with 2" deck screws (DS1). Check the marked on each roof trim and place as drawings shown.




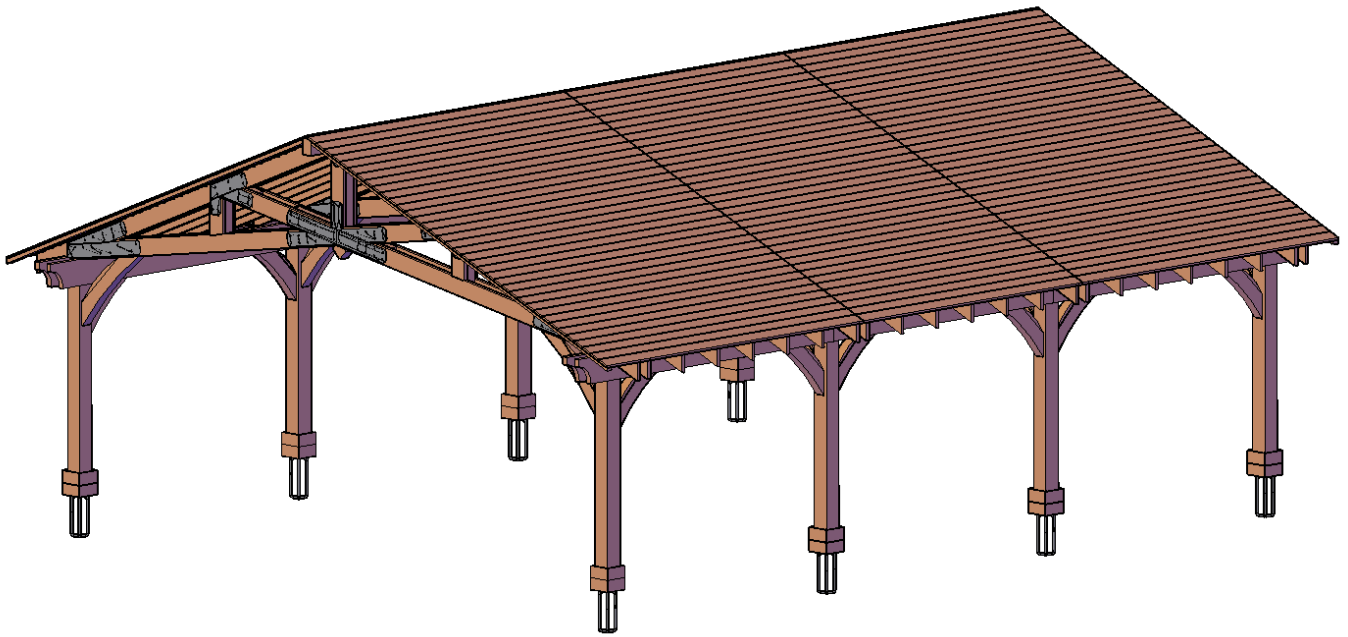
REQUIRED HARDWARE			
Qty.	Description	Drawing	No.
100	2" deck screws		DS1



**Step 18:** Finally, attach the boots (11) to each post with 3” deck screws (DS2).



REQUIRED HARDWARE			
Qty.	Description	Drawing	No.
50	3” deck screws		DS2



*This completes the Pavilion assembly. Hope you enjoy your set for many decades. If you ever have a problem or a question, don't hesitate to call us (866 332 2403) or email us. We are here to support you.*

