



# FOREVER REDWOOD

*From the Forest, For the Forest since 1995*

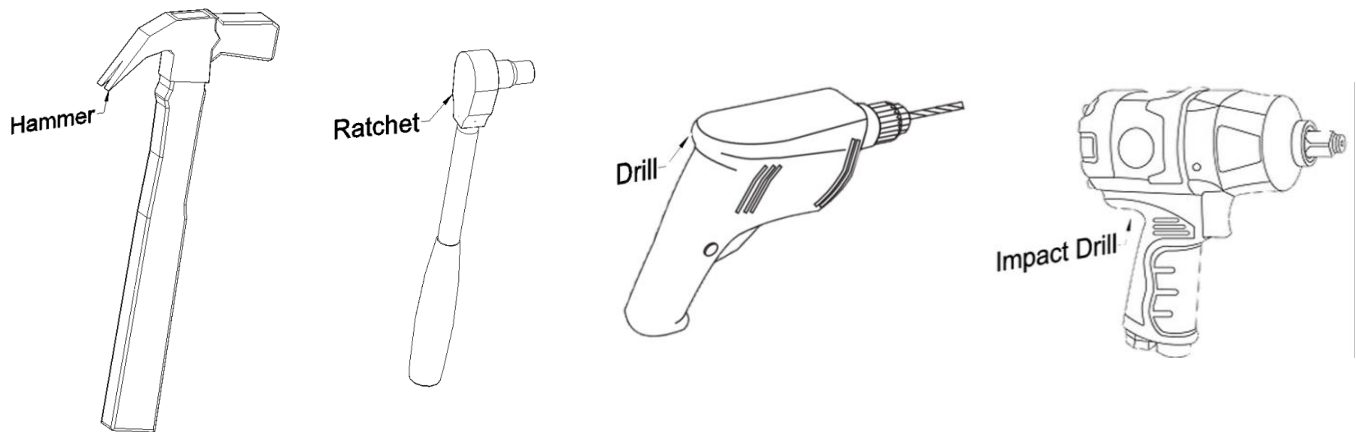
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866.332.2403 (TOLL FREE) (707) 640.29.05 (Option 4) Direct Line for the  
Design Department; 7am – 7pm Pacific Time, Monday-Saturday

## ASSEMBLY INSTRUCTIONS FOR THE **ANDREA'S CUPOLA PAVILION**

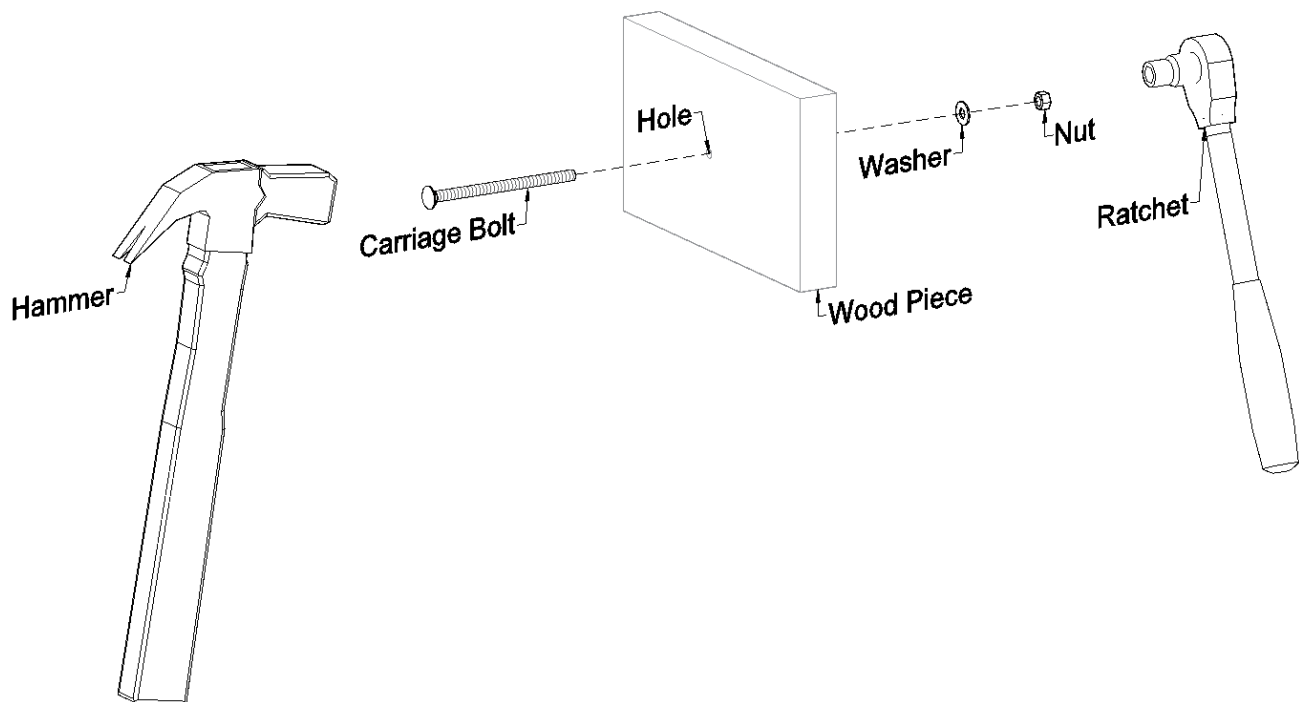


**NOTE:** Assembly is best done by two people. To assemble your product, you need a Hammer, a Ratch, a Drill, and an impact drill.



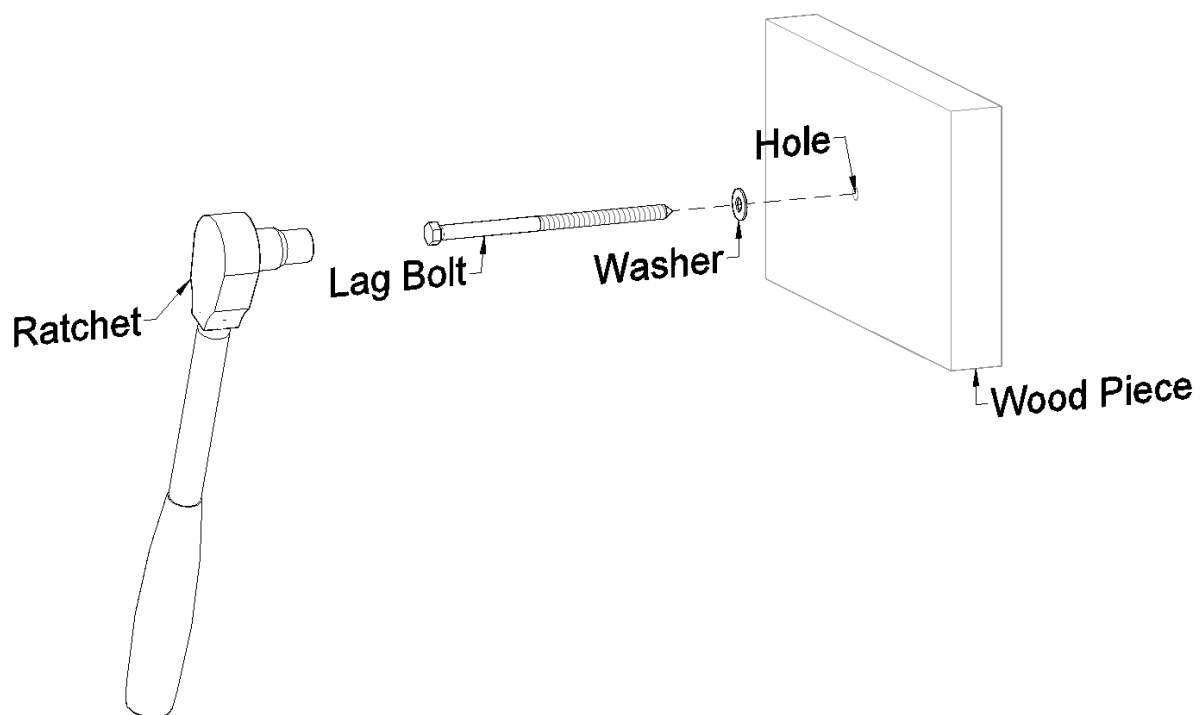
**Required Tools (Are not included in your hardware packing).**

**PROCESS TO INSTALL THE HARDWARE PROVIDED.**



**To install the bolts.**

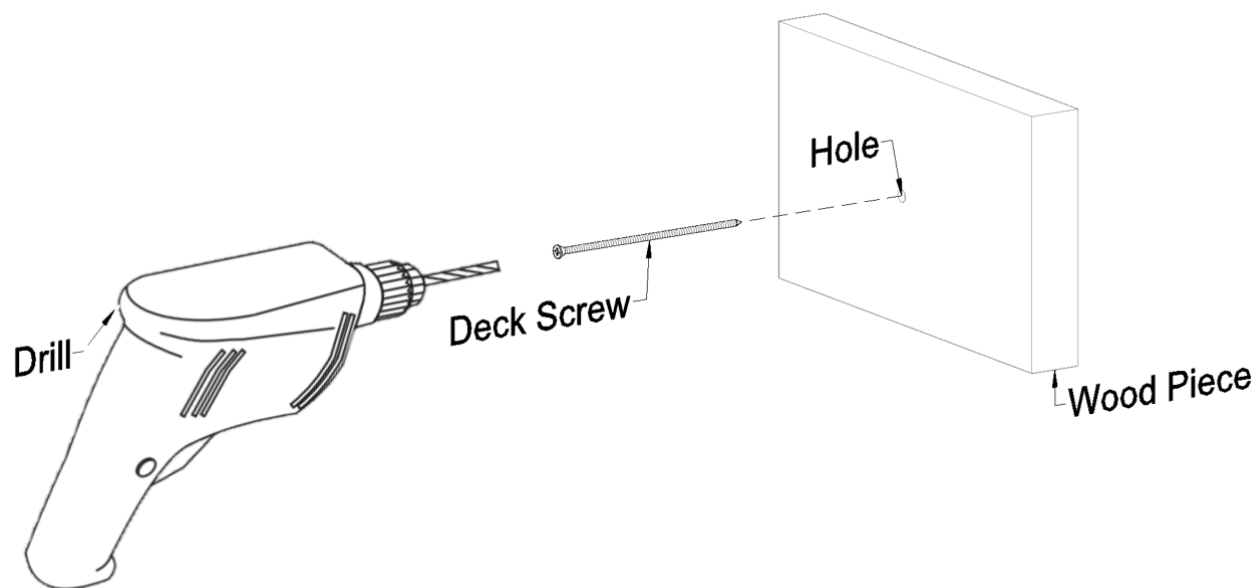
Insert the carriage bolts into the holes and lightly tap with a hammer until the square neck fit in the wood piece and the bolt head must flush with the wood piece. Finally, place the washer and the nut and carefully tighten it using a ratch with the necessary socket or a wrench.



**To install the lag bolts.**




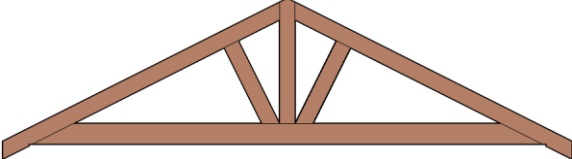





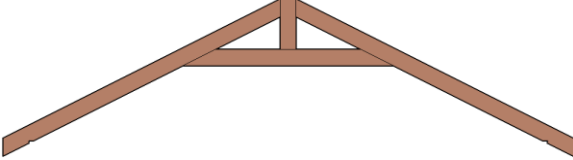





Place the washers in their lag bolts. After that, insert the lag bolts into the holes and carefully tighten it using a ratch with the necessary socket.





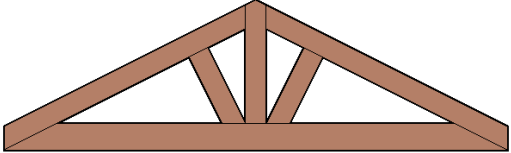








**Use the washers only for the Wood Pieces.**



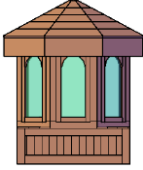
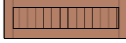











**To install the deck screws.**

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

CONTENT OF BOXES			
Qty.	Description	Drawings	No.
8	Posts		1
4	Supports		2
12	Main Knee Braces		3
2	Roof Truss -A (There are unarmed)		4
2	Tie Beam		4.1
2	King Posts		4.2
4	Struts		4.3
4	Principal Rafters		4.4
4	Secondary Knee Braces		5
2	Roof Truss -B (There are unarmed)		6
2	Collar Tie		6.1
2	King Post		6.2
4	Principal Rafters		6.3
6	Ridge Beams		7
20	Rafters		8






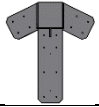
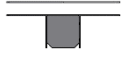
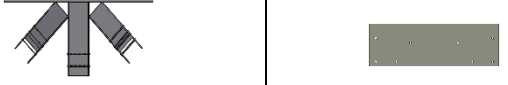


CONTENT OF BOXES			
Qty.	Description	Drawings	No.
2	Bridge Beams		9
16	Bridge Rafters		10
2	Cupola Supports		11
4	Diagonal Beams		12
2	Roof Truss -C (There are unarmed)		13
2	Tie Beams		13.1
2	King Posts		13.2
4	Struts		13.3
4	Principal Rafter		13.4
28	Short Rafters -B		14
146	Roof Boards		15
8	Roof Trims		16
4	Fascias		17

## CONTENT OF BOXES

Qty.	Description	Drawing	No.
1	Cupola (There are unarmed)		18
1	Cupola Base		18.1
8	Window Frame		18.2
8	Windows		18.3
8	Rafters		18.4
1	Central Frame		18.5
48	Roof Board		18.6
8	Fascias		18.7
8	Boots		19
8	Anchor Bases		20
32	T -Plaques		21
4	Metal Plaque -A		22
20	Metal Plaque -B		23

*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.*










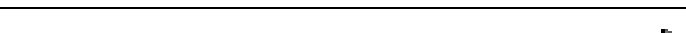








## CONTENT OF BOXES

Qty.	Description	Drawings	No.
4	Metal Plaque -C		24
8	Metal Plaque -D		25
8	Plaque in Floor		26
4	Metal Plaques -E		27
4	Metal Plaque -F		28
4	Metal Plaque -G		29
2	Metal Plaque -H		30
2/2	Metal Plaque -I		31
4	Metal Plaque -J		32
46	Plaque Simpson		33

**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.
64	5/16" x 3" Lag Bolts		LB1
408	3/8" x 3 1/2" Lag Bolts		LB2
12	3/8" x 12" Lag Bolts		LB3
20	3/8" x 10" Lag Bolts		LB4
28	3/8" x 6" Lag Bolts		LB5
28	3/8" x 4 1/2" Lag Bolts		LB6
16	3/8" x 3" Lag Bolts		LB7
192	3/8" x 8" Bolts		BL1
8	3/8" x 14" Bolts		BL2
16	3/8" x 18" Bolts		BL3
8	3/8" x 12" Bolts		BL4
92	3/8" x 8 1/2" Bolts		BL5
4	3/8" x 16" Bolts		BL6
8	3/8" x 10" Bolts		BL7
40	5/16" x 2 1/2" Bolts		BL8
16	5/16" x 3 1/2" Bolts		BL9
16	5/16" x 4 1/2" Bolts		BL10
8	1/2" x 4 1/2" Bolts		BL11

*Note: Dimensions of your hardware will vary depending on size.*



## HARDWARE LIST

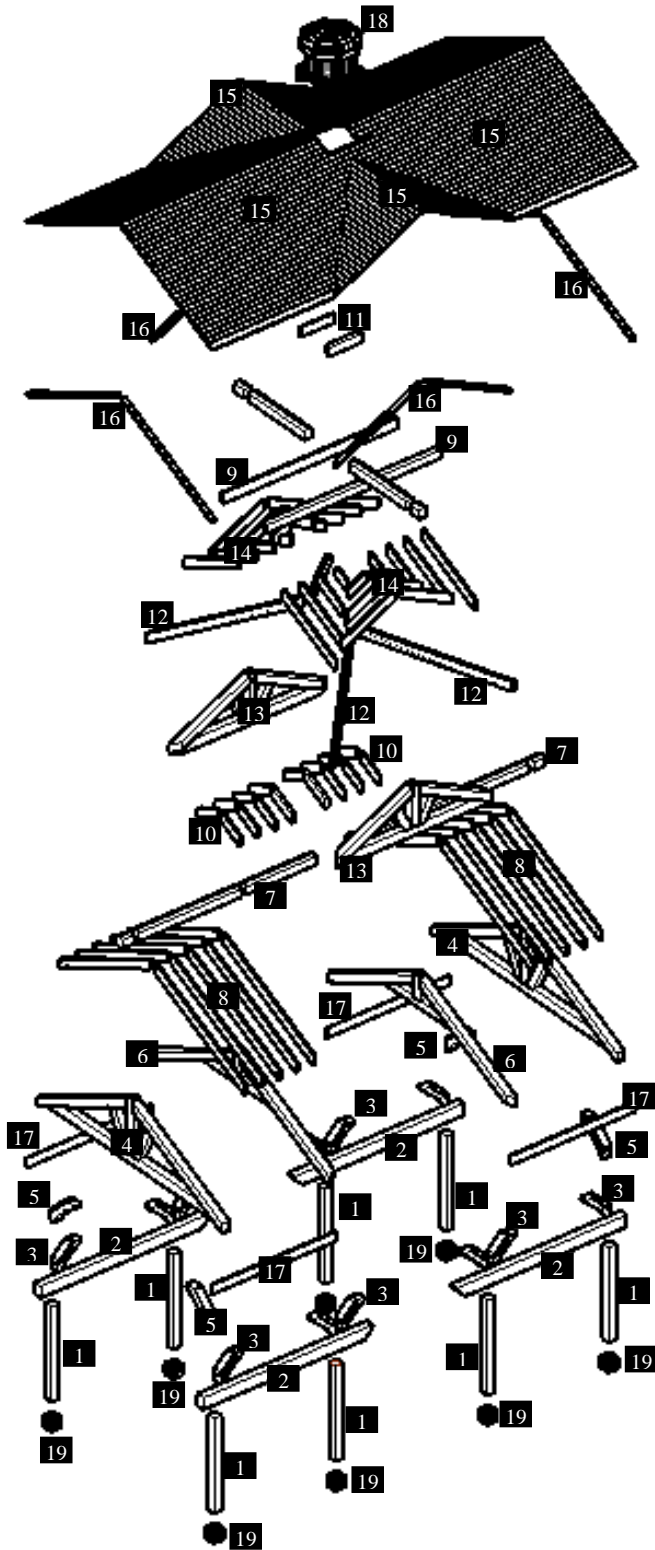
Qty.	Description	Drawing	No.
178	3" Deck Screws		DS1
100	5" Deck Screws		DS2
4	6" Deck Screws		DS3
2680	2" Deck Screws		DS4
828	1 ¼" Deck Screws		DS5
62	4" Deck Screws		DS6
24	3 ½" Deck Screws		DS7
32	2 ½" Deck Screws		DS8

*Note: Dimensions of your hardware will vary depending on size.*

DESCRIPTION	No.
Posts	1
Single Supports	2
Main Knee Braces	3
Roof Truss -A	4
Secondary Knee Braces	5
Roof Truss -B	6
Ridge Beams	7
Rafters	8
Bridge Beam	9
Bridge Rafters	10
Support Cupola	11
Diagonal Beams	12
Roof Truss -C	13
Short Rafters -B	14
Roof Boards	15
Roof Trims	16
Fascias	17
Cupola	18
Boots	19
Anchor Bases	20
T -Plaques	21
Metal Plaque -A	22
Metal Plaque -B	23
Metal Plaque -C	24
Metal Plaque -D	25
Plaque In Flower	26

DESCRIPTION	No.
Metal Plaque -E	27
Metal Plaque -F	28
Metal Plaque -G	29
Metal Plaque -H	30
Metal Plaque -I	31
Metal Plaque -J	32
Plaque Simpson	33

***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.*

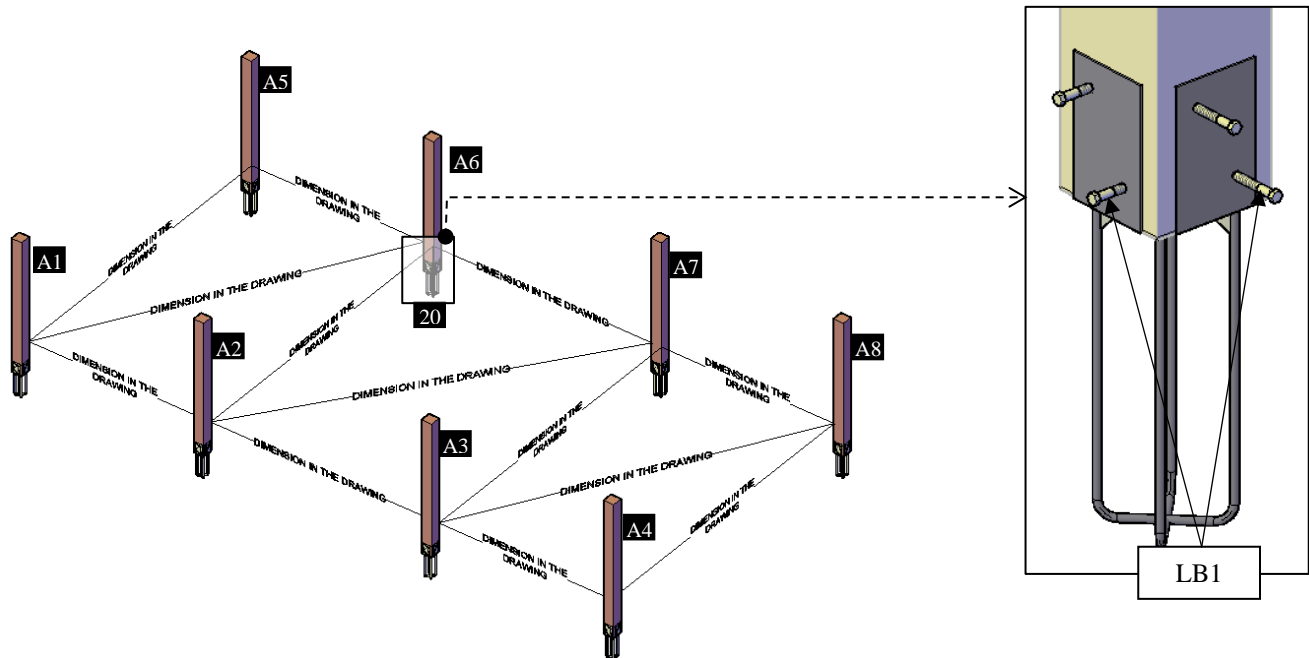


*Note: Part numbers in the Drawing are for reference only. These do not match to the numbers marked on the parts sent.*

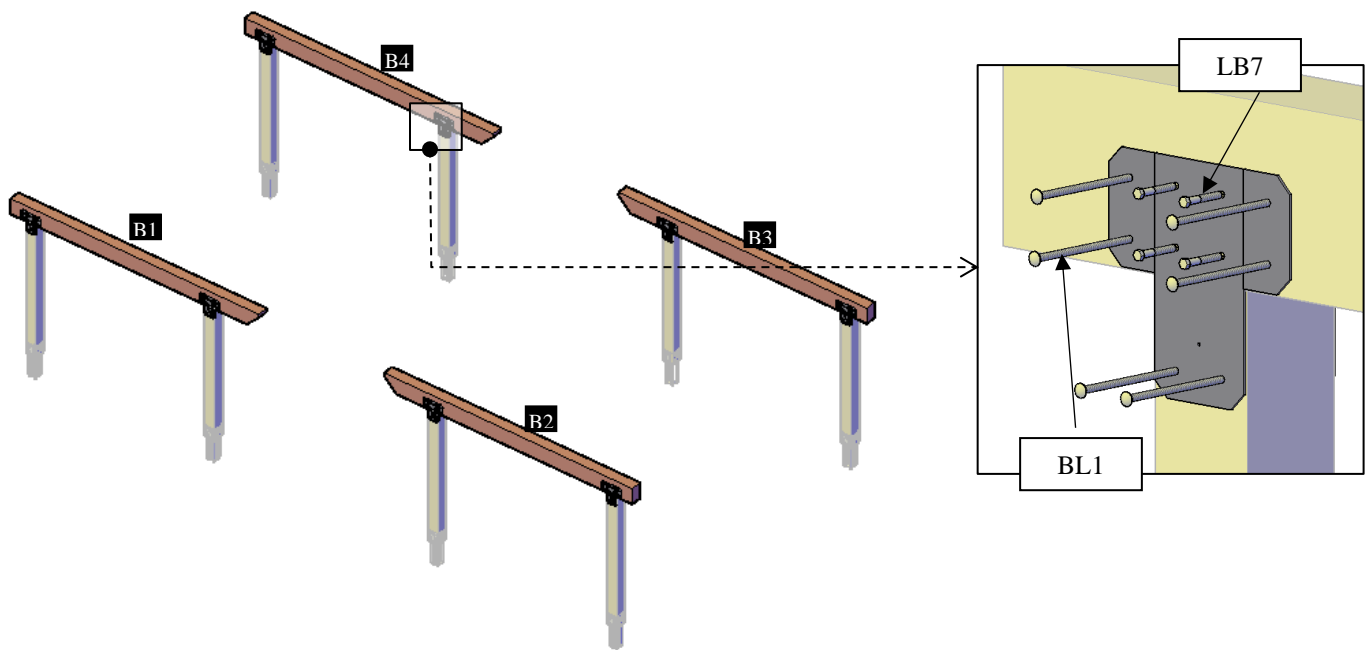
**NOTE:** In order to know where the post needs to be placed, check the numbers on them. If the post is not marked, then place the single Supports on the ground to locate the markings for each post position and clearly set your bearings. (“Don’t attach yet, only place them on the ground to begin with”).

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

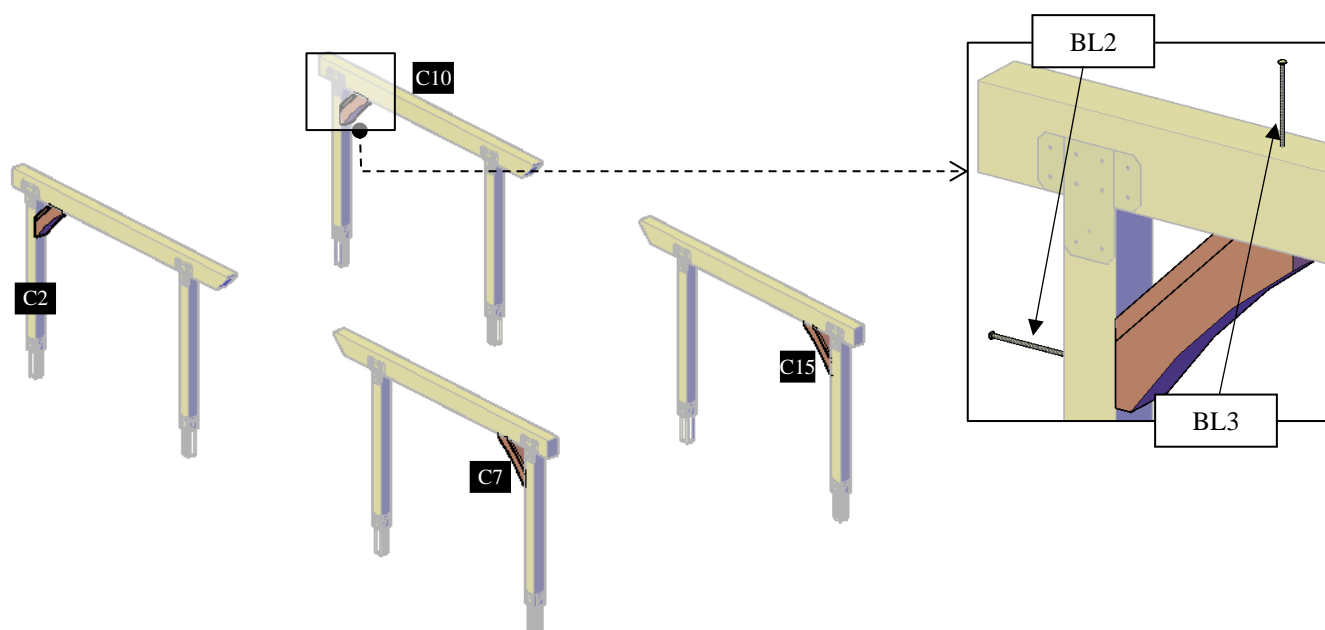
**Step 1:** Install the anchor bases (20). Please see the “How to anchor your pergola document” for all details. Set your posts (1) in the saddle of the anchor bases and drill a  $\varnothing\frac{1}{4}$ ” hole prior to anchoring in each post to facilitate the ratcheting of the hardware. After that, use a 5/16” x 3” lag bolts (LB1) to attach each post to the anchor base.



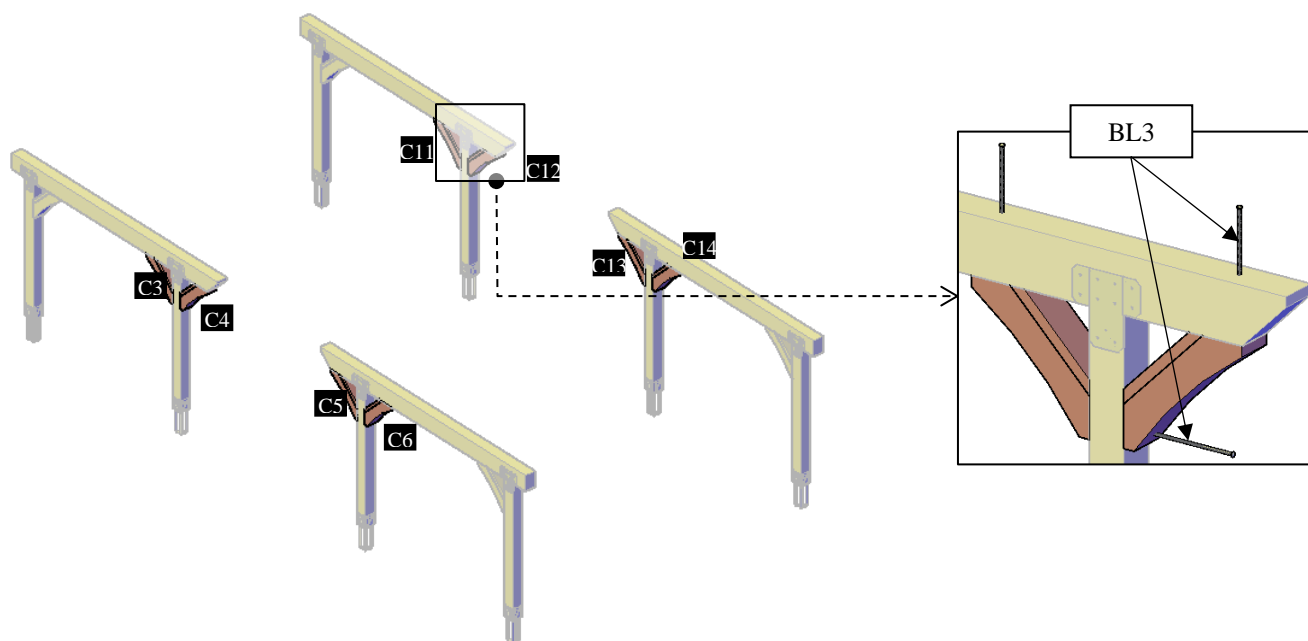
**Step 2:** Use 3/8” x 8” bolts (BL1) and 3/8” x 3” lag bolts (LB7) to attach the single support (2) to the posts (1) with T-plaque (21). Check the marked on each single support and place as drawings shown.



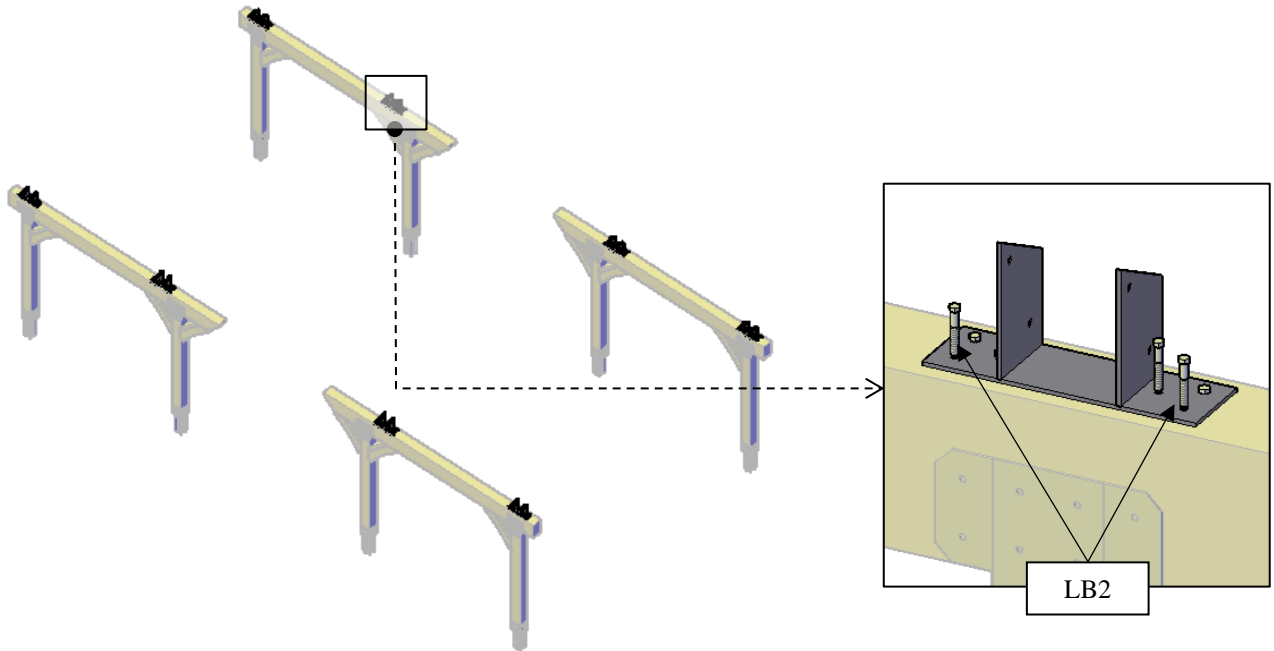
**Step 3:** Attach the main knee braces (3) to the supports (2) with 3/8" x 18" bolts (BL3). After that use 3/8" x 14" bolts (BL2) to the posts (1). Check the marked on each main knee brace and place as drawings shown.



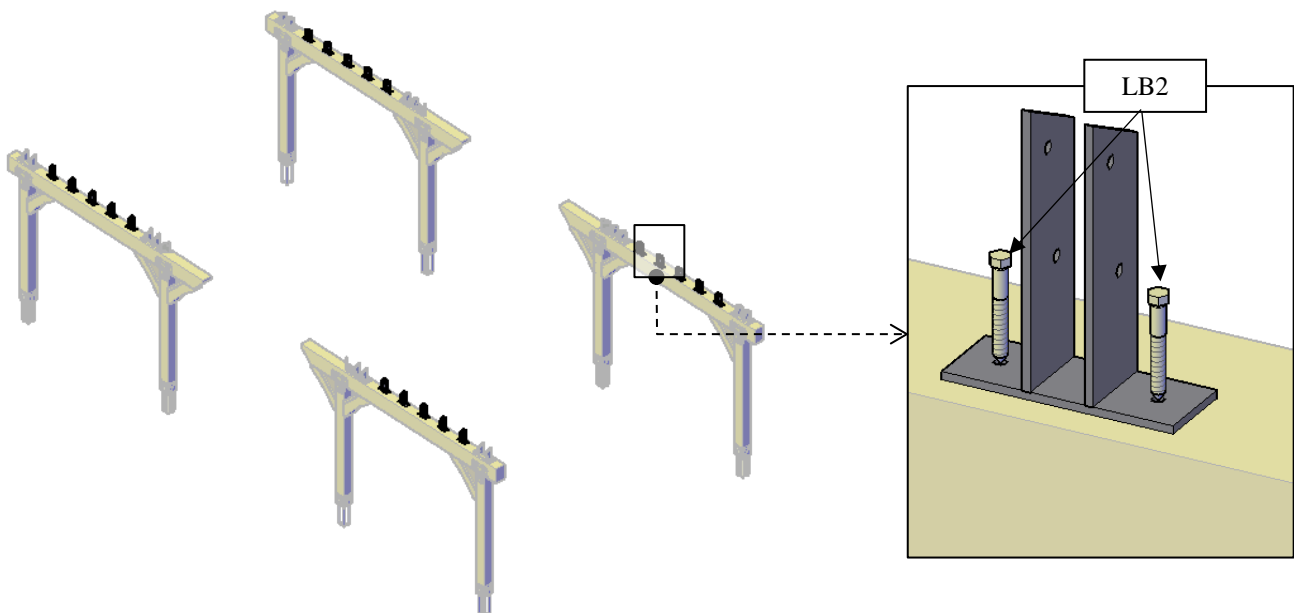
**Step 4:** Attach the double main knee brace (3) to the supports (2) and to the posts (1) with 3/8" x 18" bolts (BL3). Check the marked on each double main knee brace and place as drawings shown.



**Step 5:** Attach the metal bases -A & C (22,24) to the supports (2) with 3/8"x 3 1/2" lag bolts (LB2).

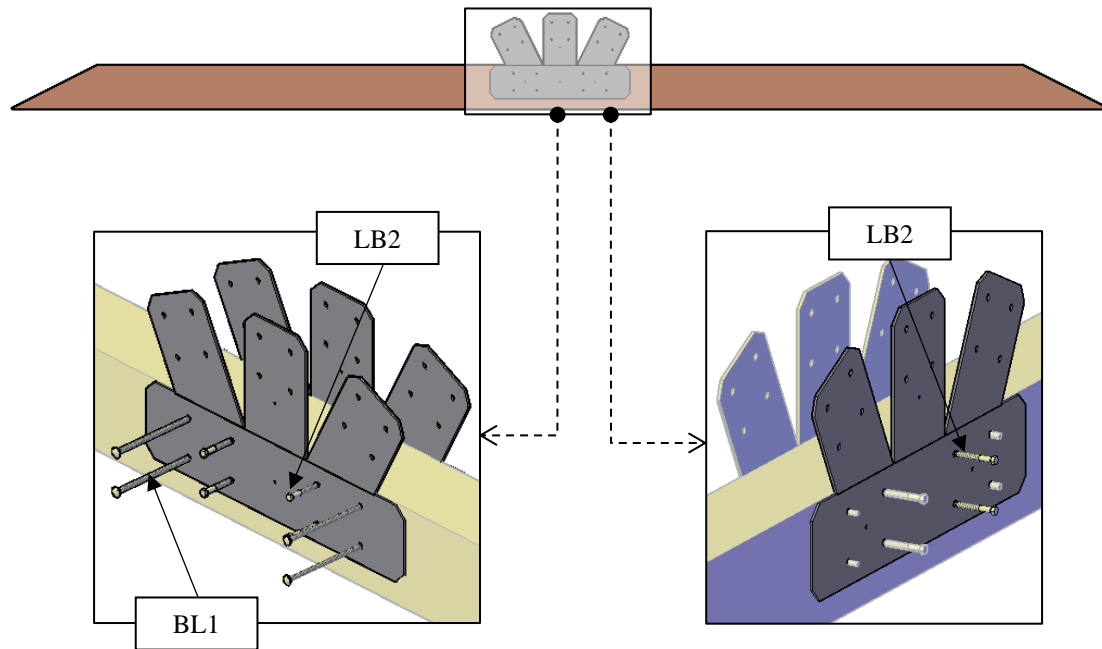


**Step 6:** Attach the metal bases -B (23) to the supports (2) with 3/8"x 3 1/2" lag bolts (LB2).

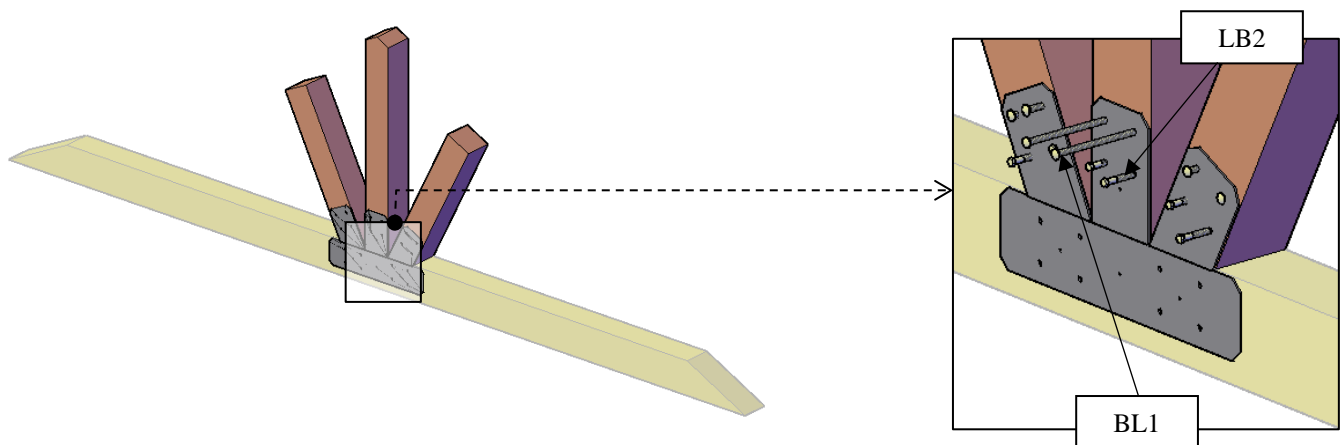




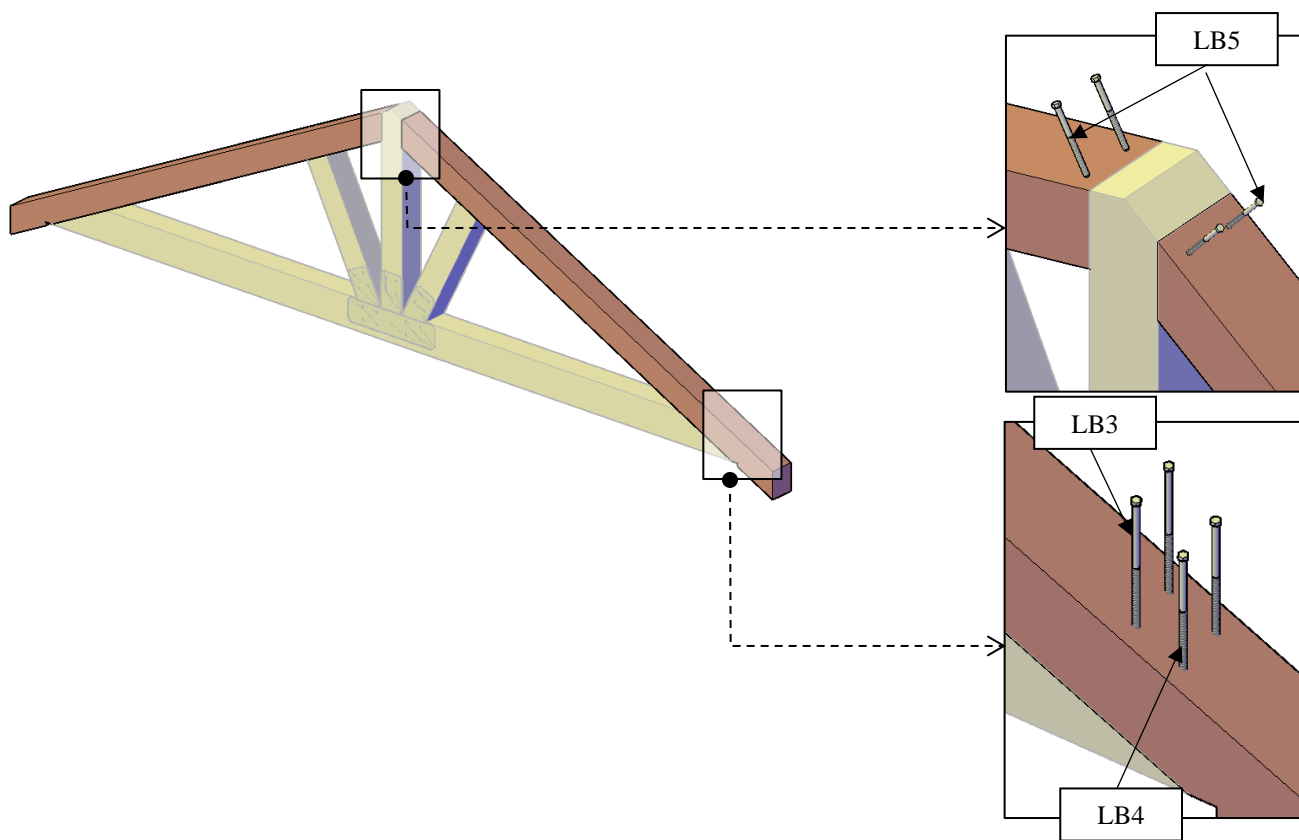
**Step 7:** Attach the Plaques in the Flower (26) to the tie beam with 3/8" x 8" bolts (BL1) and 3/8" x 3 1/2" lag bolts (LB2).



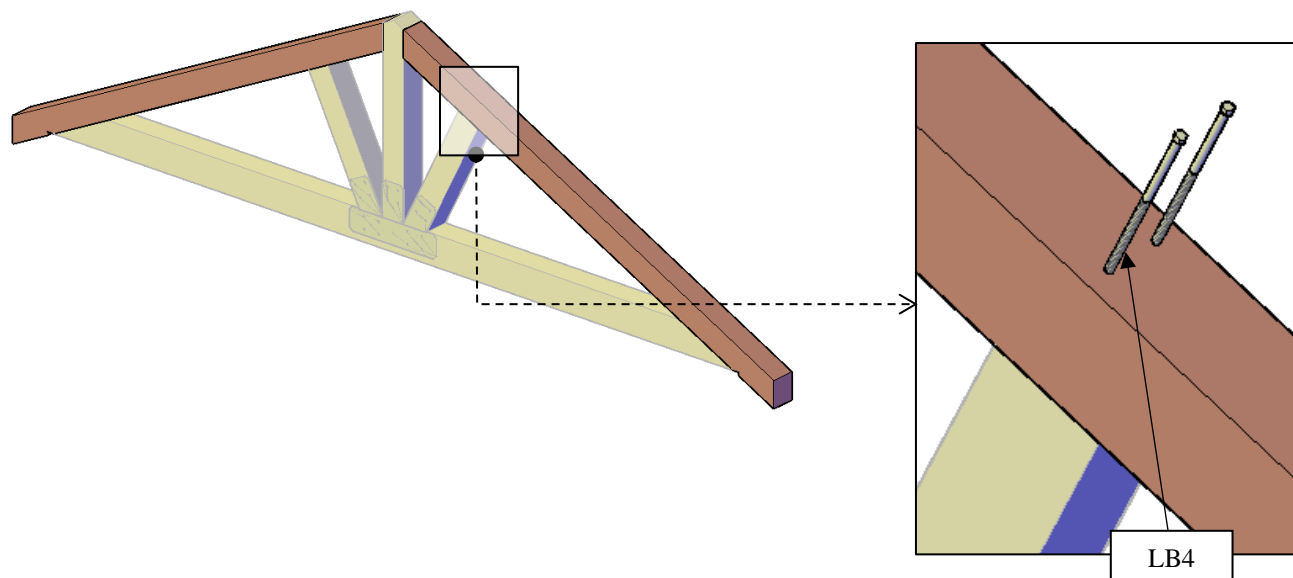
**Step 8:** Attach the king posts (4.2) and struts (4.3) to the tie beam (4.1) with plaque in the floor (26) with 3/8" x 8" bolts (BL1) and 3/8" x 3 1/2" lag bolts (LB2).



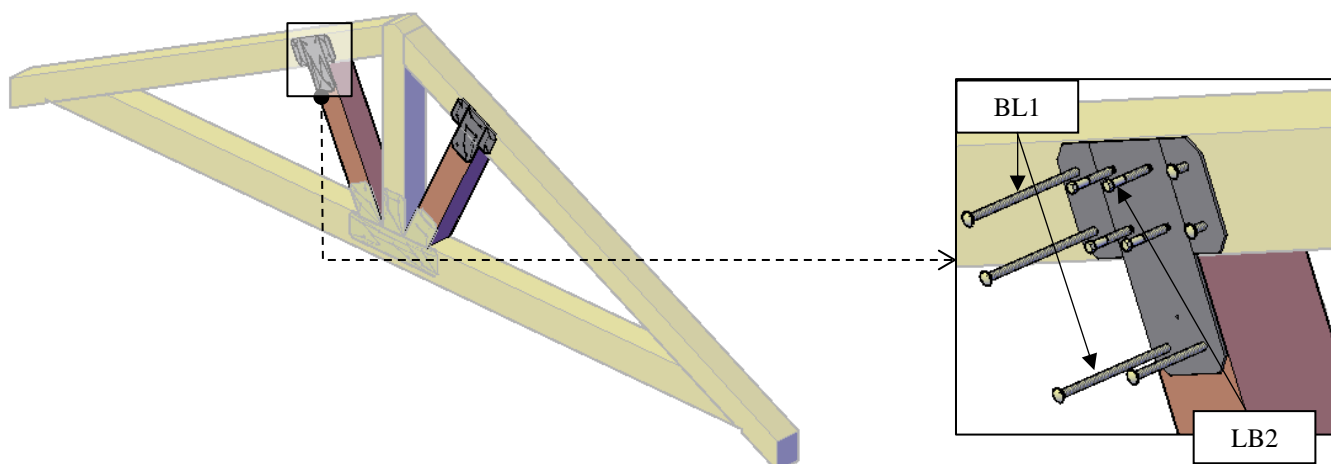
**Step 9:** Use 3/8" x 6" lag bolts (**LB5**) to attach the principal rafter truss (**4.4**) to the king post (**4.2**) and to the tie beam (**4.1**) with 3/8" x 12" lag bolts (**LB3**) and 3/8" x 10" lag bolts (**LB4**) as shown below. Check the marked on each principal rafter truss and place as drawings shown.



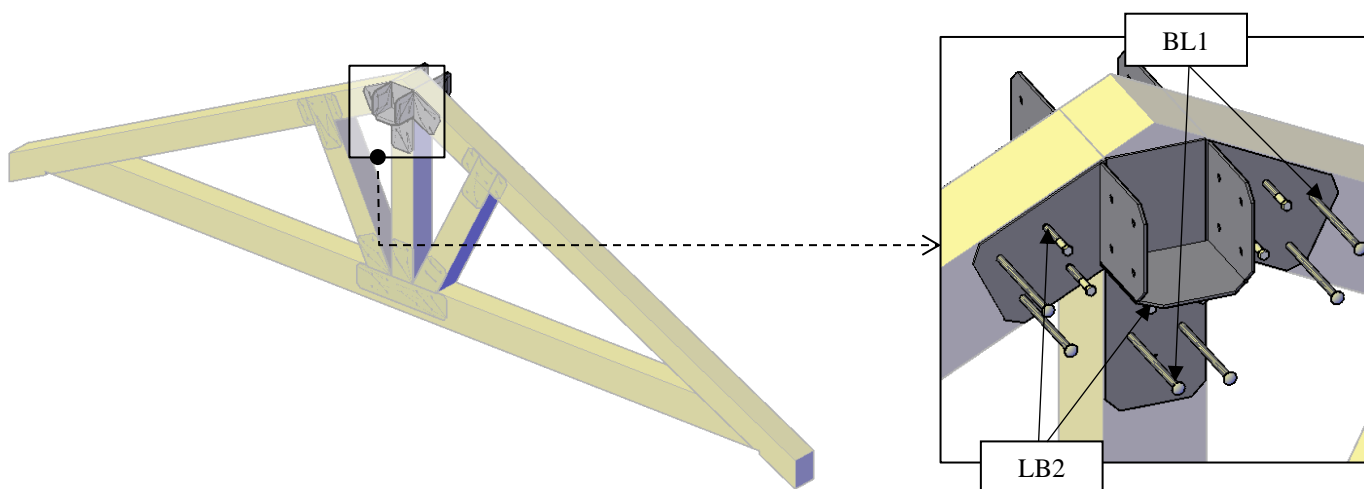
**Step 10:** Use 3/8" x 10" lag bolts (**LB4**) to attach the principal rafter truss (**4.4**) to the struts (**4.3**). Check the marked on each principal rafter truss and place as drawings shown.



**Step 11:** Attach the T-plaque (21) to the struts (4.3) and principal truss (4.4) with 3/8" x 3 1/2" lag bolts (LB2) and 3/8" x 8" bolts (BL1).

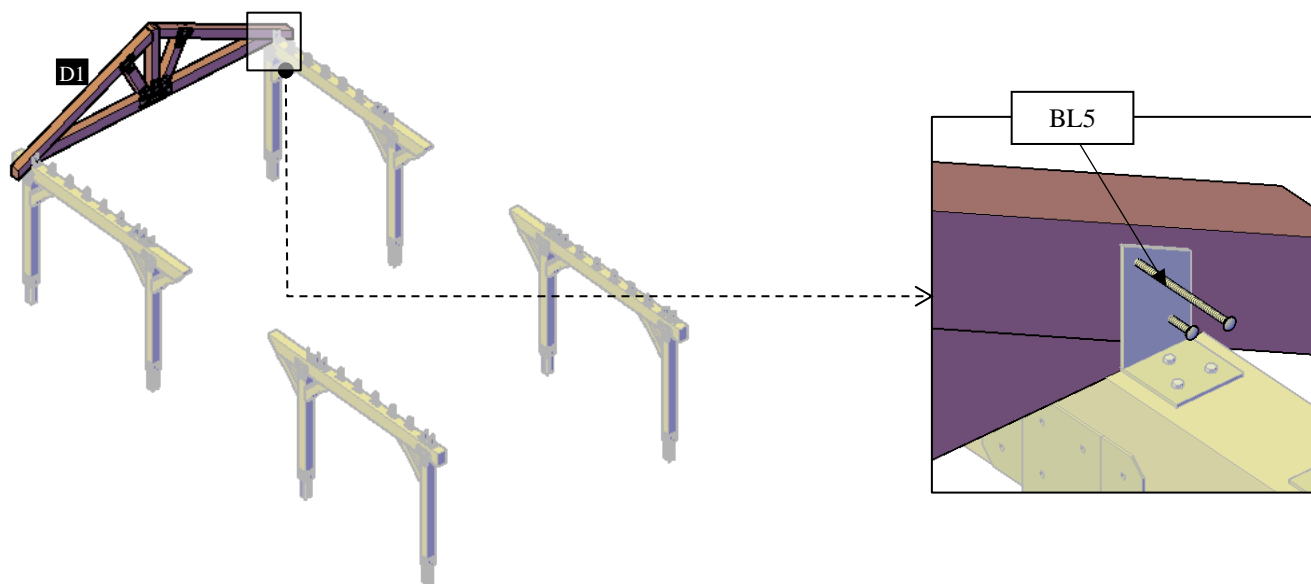


**Step 12:** Attach the metal plaque -G (29) to the roof trusses -A & B (4,6) with 3/8" x 8" bolts (BL1) and 3/8" x 3 1/2" lag bolts (LB2).

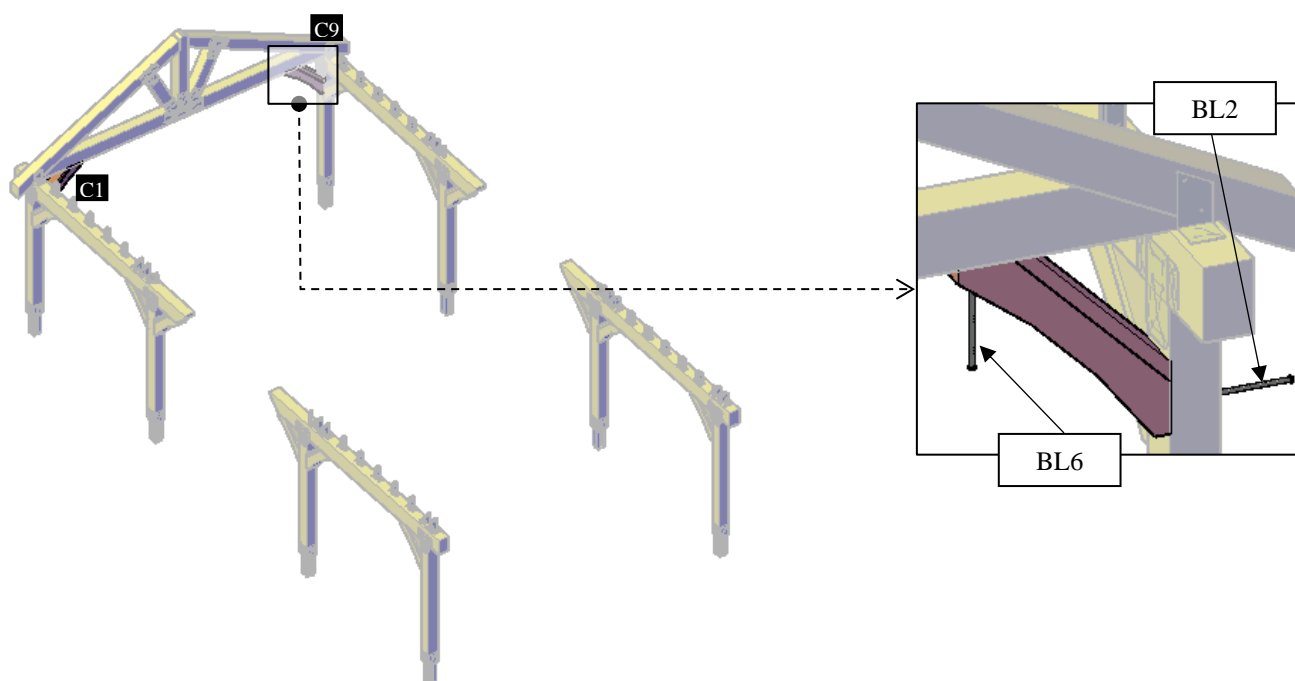


**Step 13:** Attach the roof truss -A (4) to the supports (2) with metal plaque -A (22) and 3/8" x 8 1/2" bolts (BL5) as shown below. Check the marked on each roof truss -A and place as drawings shown.

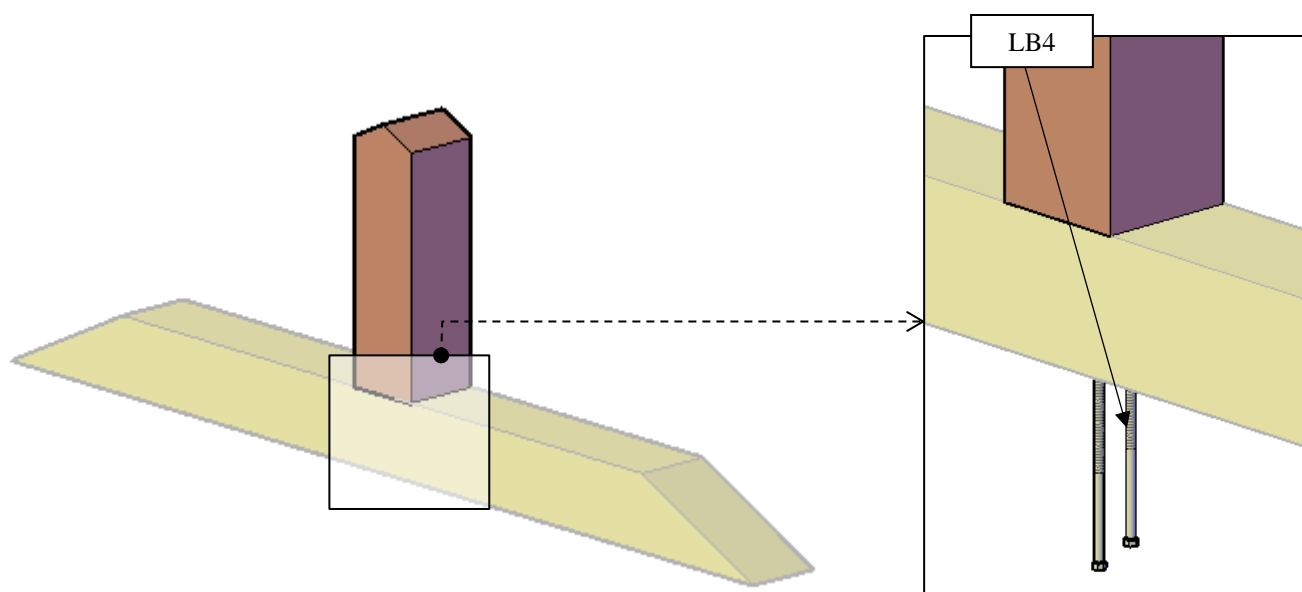
**Note:** repeat this step 1 time.



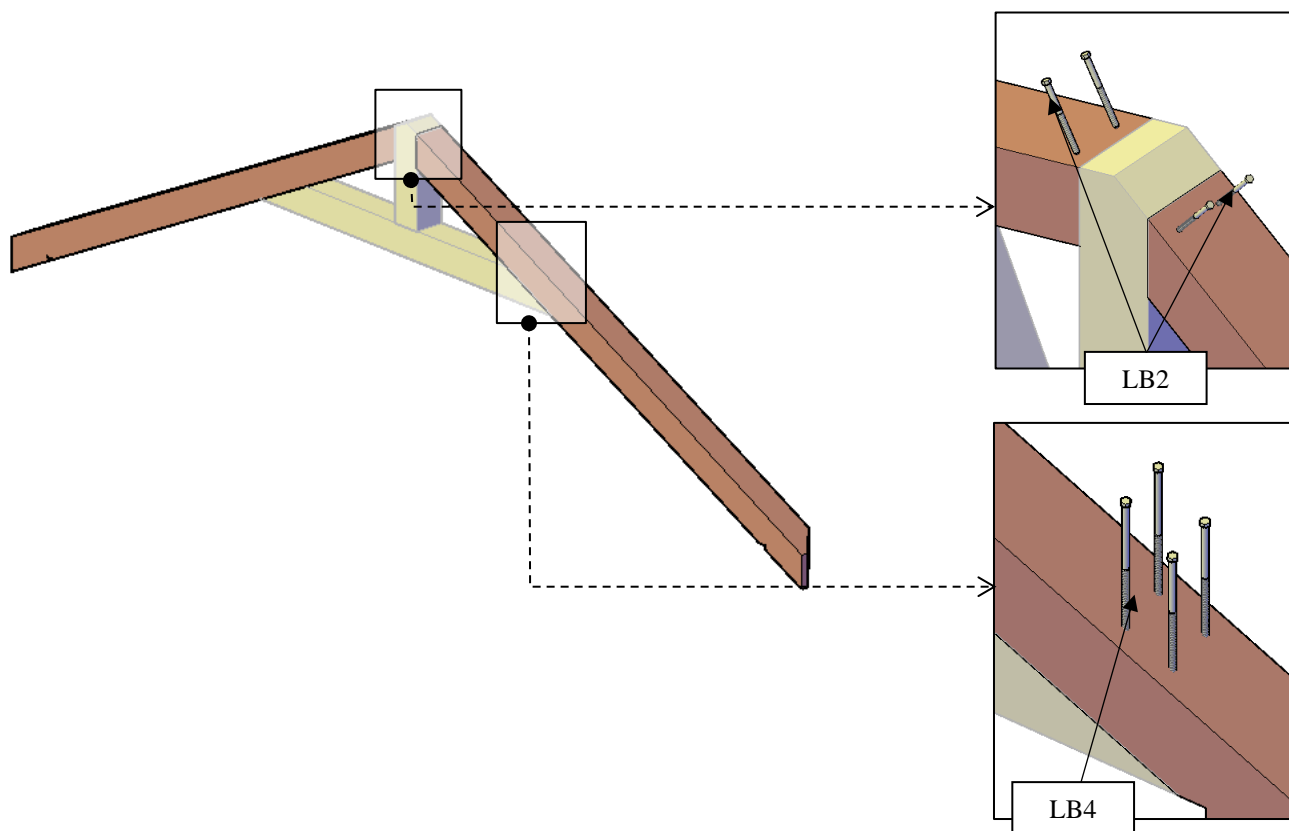
**Step 14:** Attach the secondary knee braces (5) to the posts (1) with 3/8" x 16" bolts (BL6) and to the roof trusses (4) with 3/8" x 14" bolts (BL2). Check the marked on each secondary knee brace and place as drawings shown.



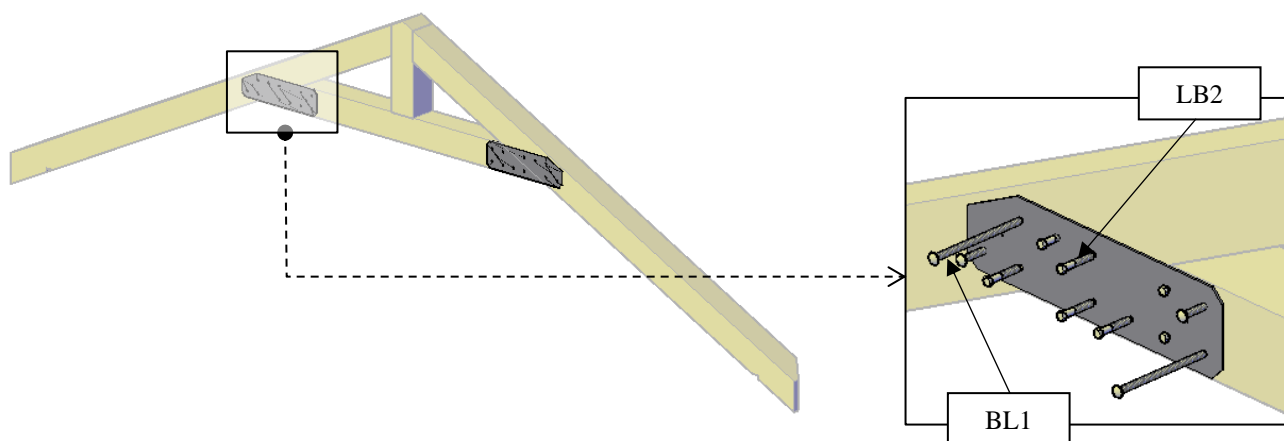
**Step 15:** Attach the collar tie to (6.1) the king posts (6.2) with 3/8" x 10" lag bolts (LB4). Check the marked on each collar tie and place as drawings shown.



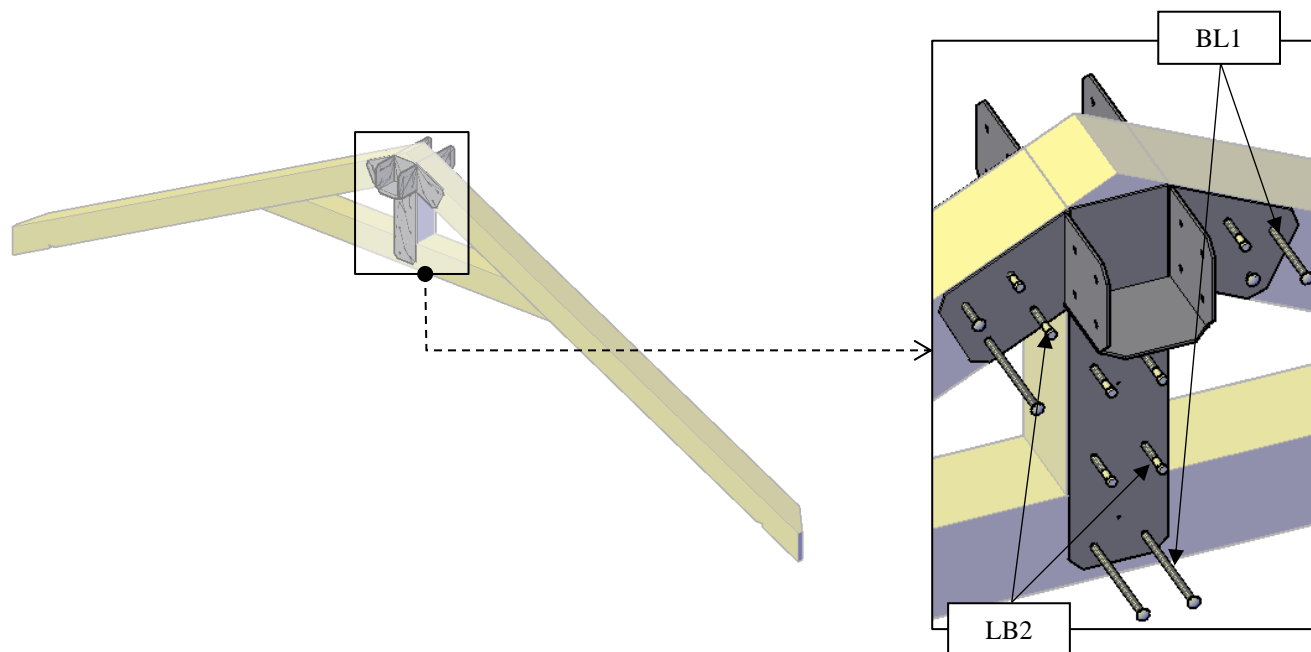
**Step 16:** Attach the principal rafter truss (6.3) to the king posts (6.2) with 3/8" x 6" lag bolts (LB5) and to the collar tie (6.1) with 3/8" x 10" lag bolts (LB4) as shown below. Check the marked on each principal rafter truss -B and place as drawings shown.



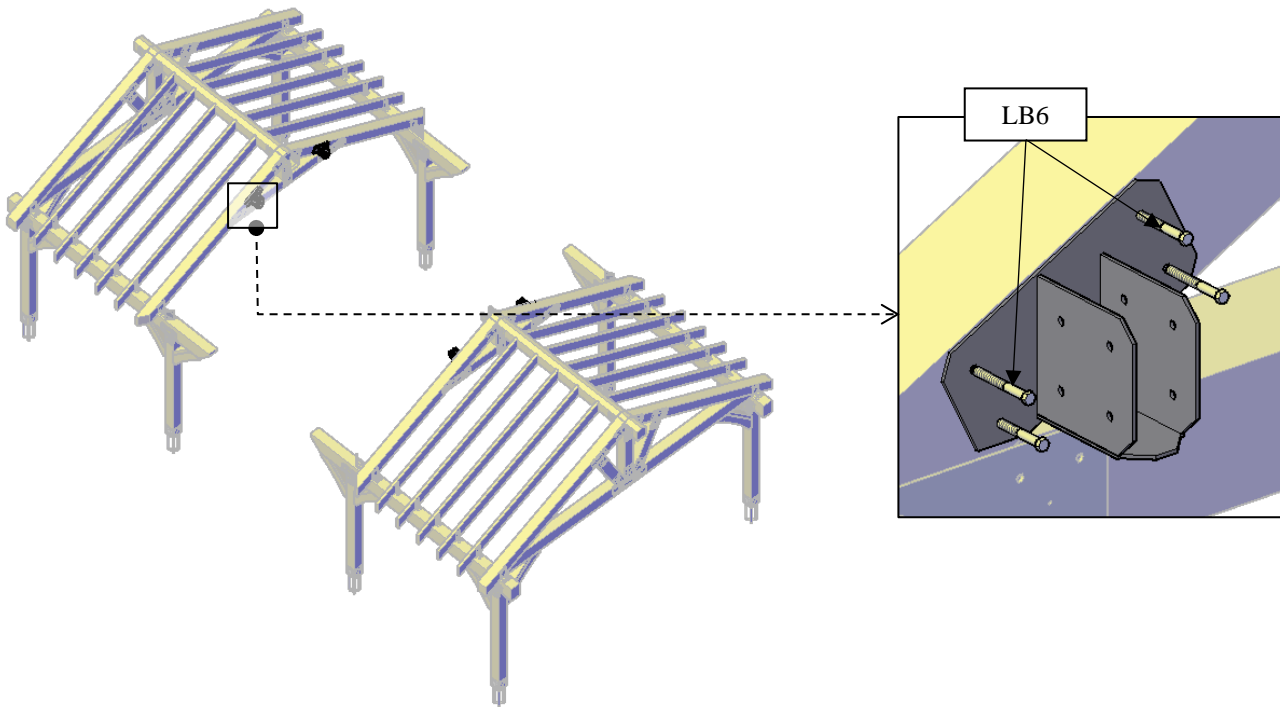
**Step 17:** Attach the metal bases -D (25) to the collar tie (6.1) and principal roof truss (6.3) with 3/8" x 3 1/2" lag bolts (LB2) and 3/8" x 8" bolts (BL1).



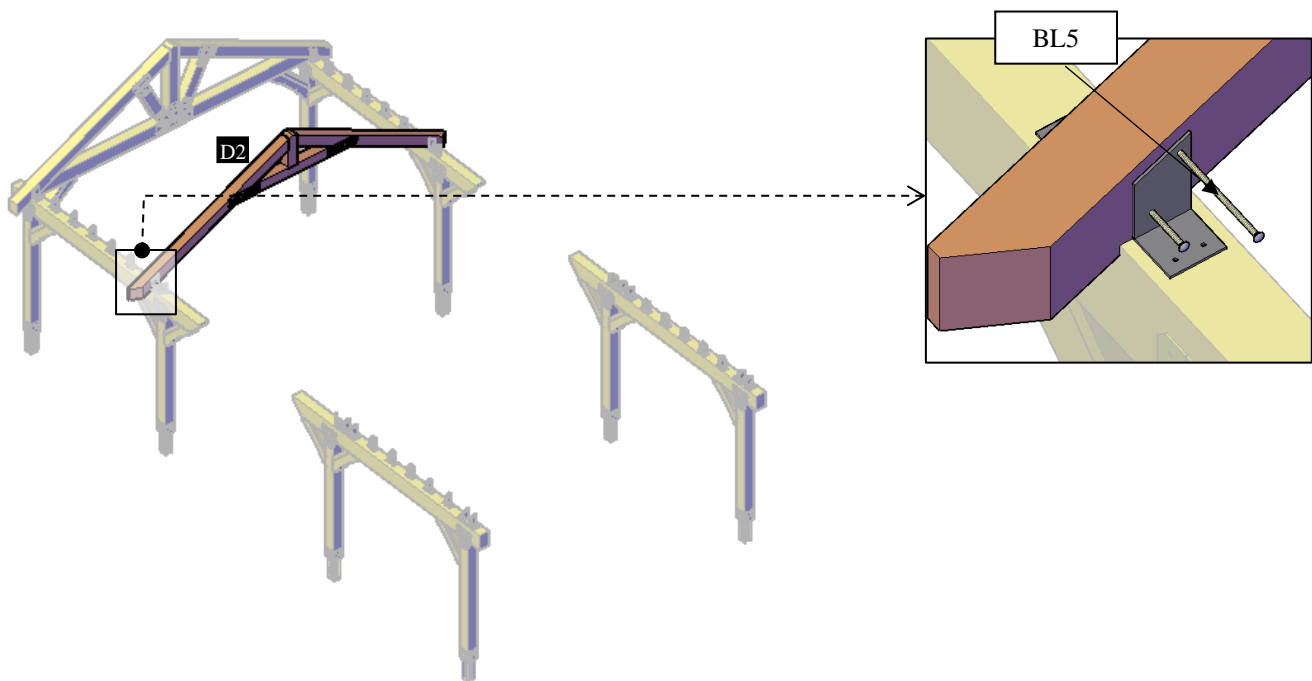
**Step 18:** Attach the metal plaque -G (29) to the roof trusses -A & B (4,6) with 3/8" x 8" bolts (BL1) and 3/8" x 3 1/2" lag bolts (LB2).



**Step 19:** Attach the metal plaque -F (28) to the roof truss -B (6) with 3/8" x 4 1/2" lag bolts (LB6).

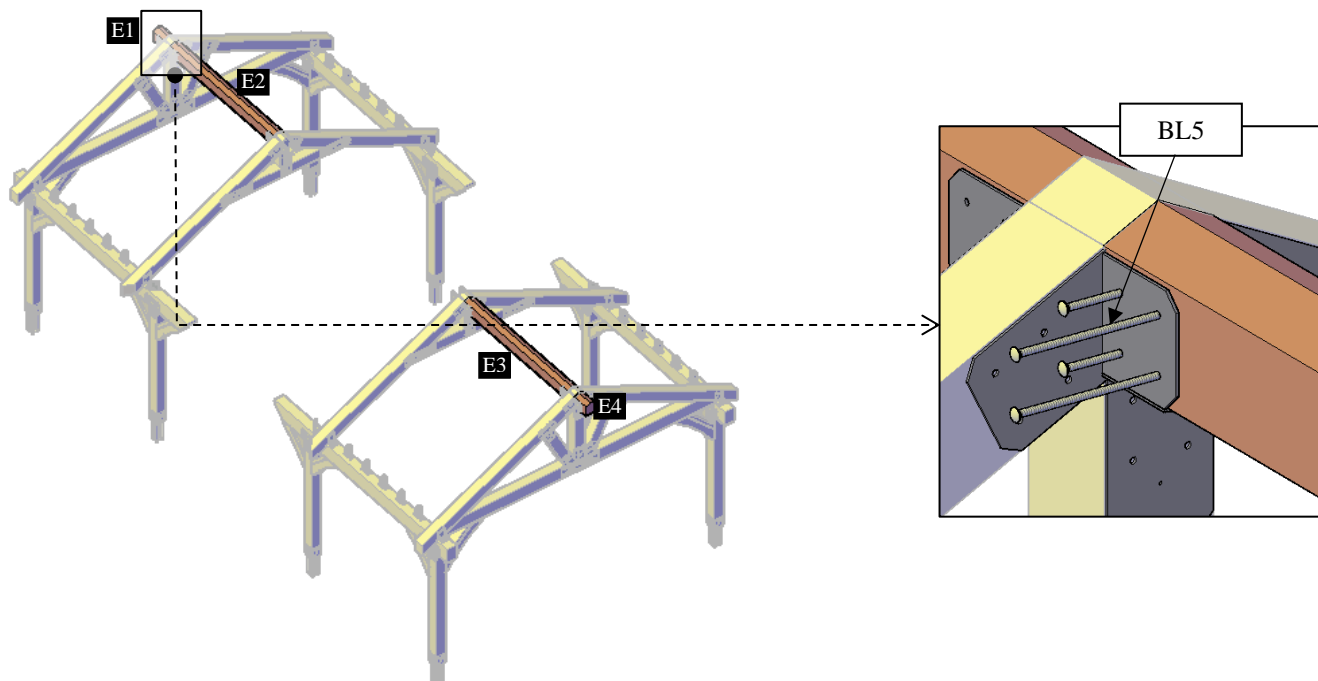


**Step 20:** Attach the roof truss -B (6) to the supports (2) with metal plaque -C (24) and 3/8" x 8 1/2" bolts (BL5) as show below.  
Check the marked on each roof truss -B and place as drawings shown  
**Note:** repeat this step 1 time.

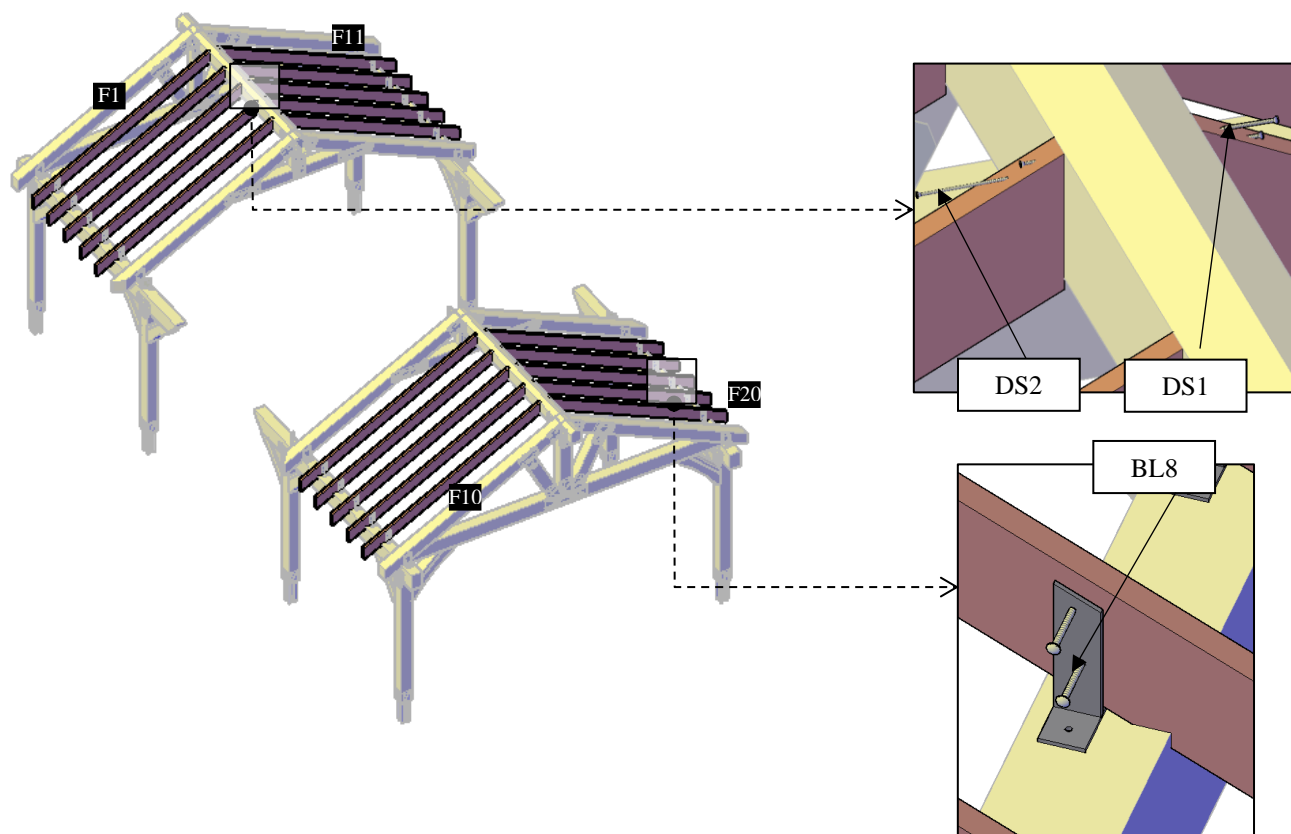




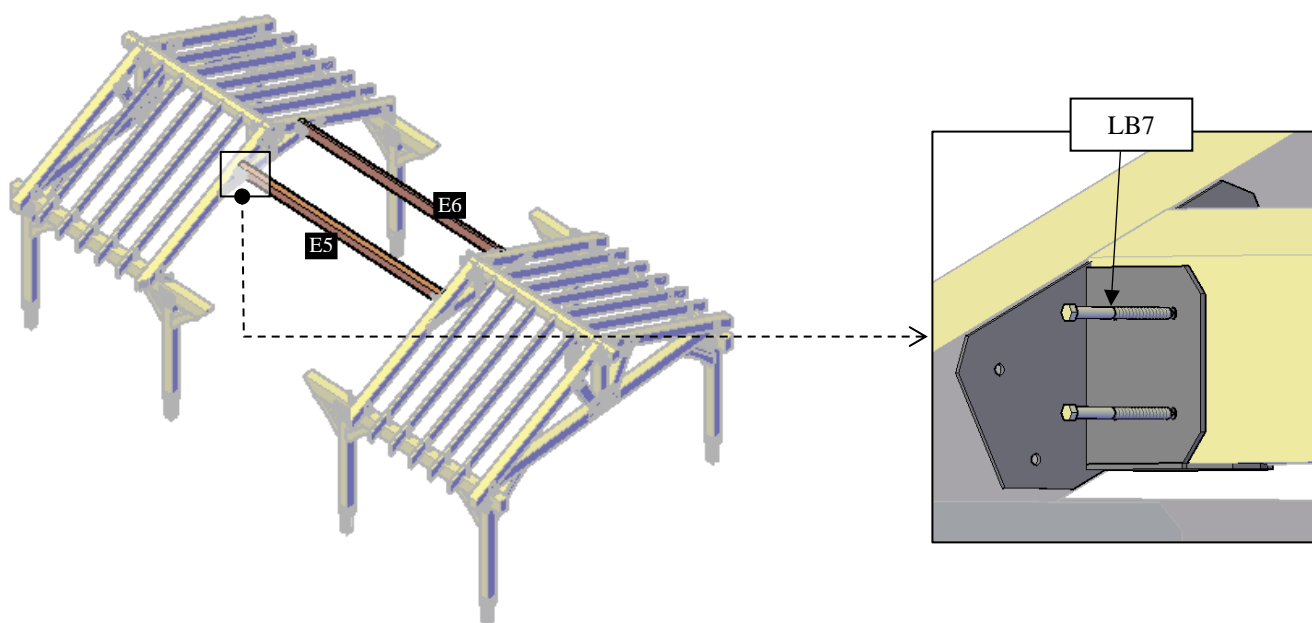
**Step 21:** Attach the ridge beam (7) to the roof trusses -A (4,6) with metal plaque -E & G (27,29) and 3/8" x 8 1/2" bolts (BL5). Check the marked on each ridge beam and place as drawings shown



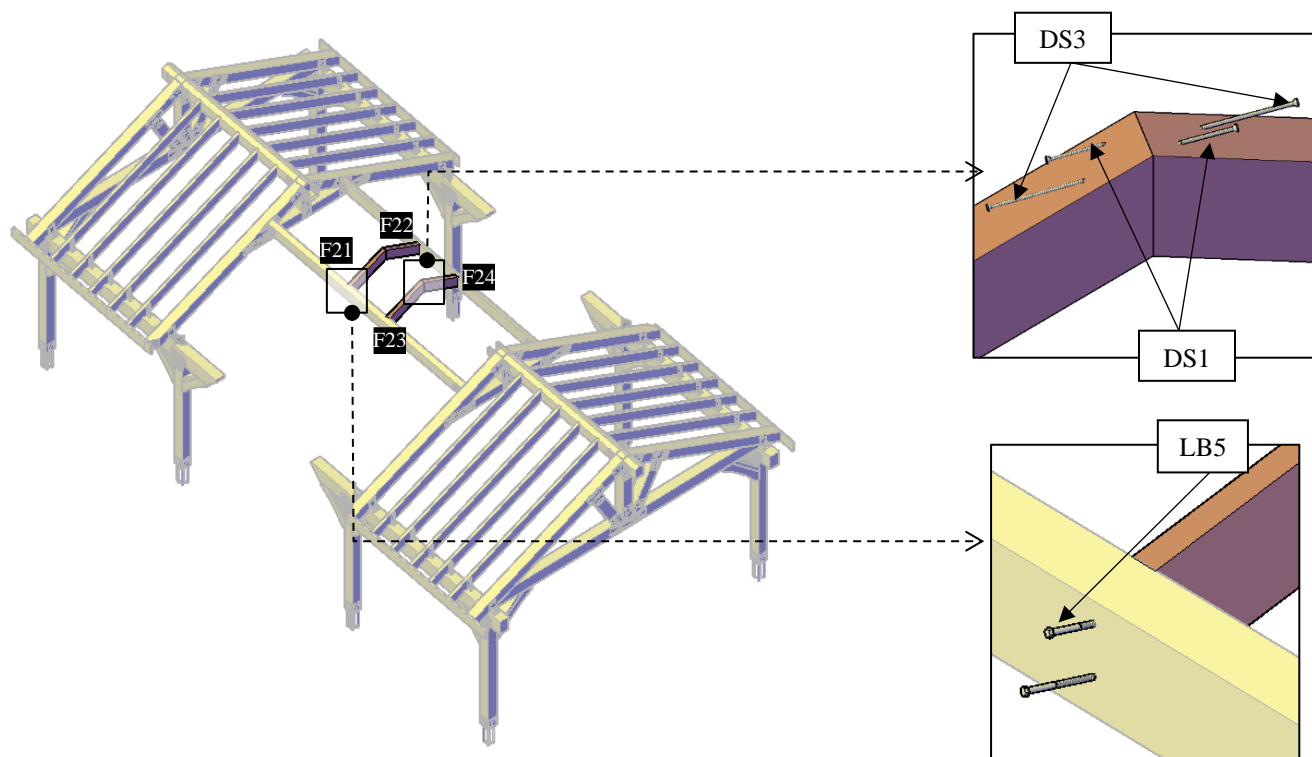
**Step 22:** Attach the rafter (8) to the metal plaque -B (23) with 5/16" x 2 1/2" bolts (BL8) and to the ridge beam (7) with 3" deck screws (DS1) and 5" deck screws (DS2). Check the marked on each rafter and place as drawings shown.



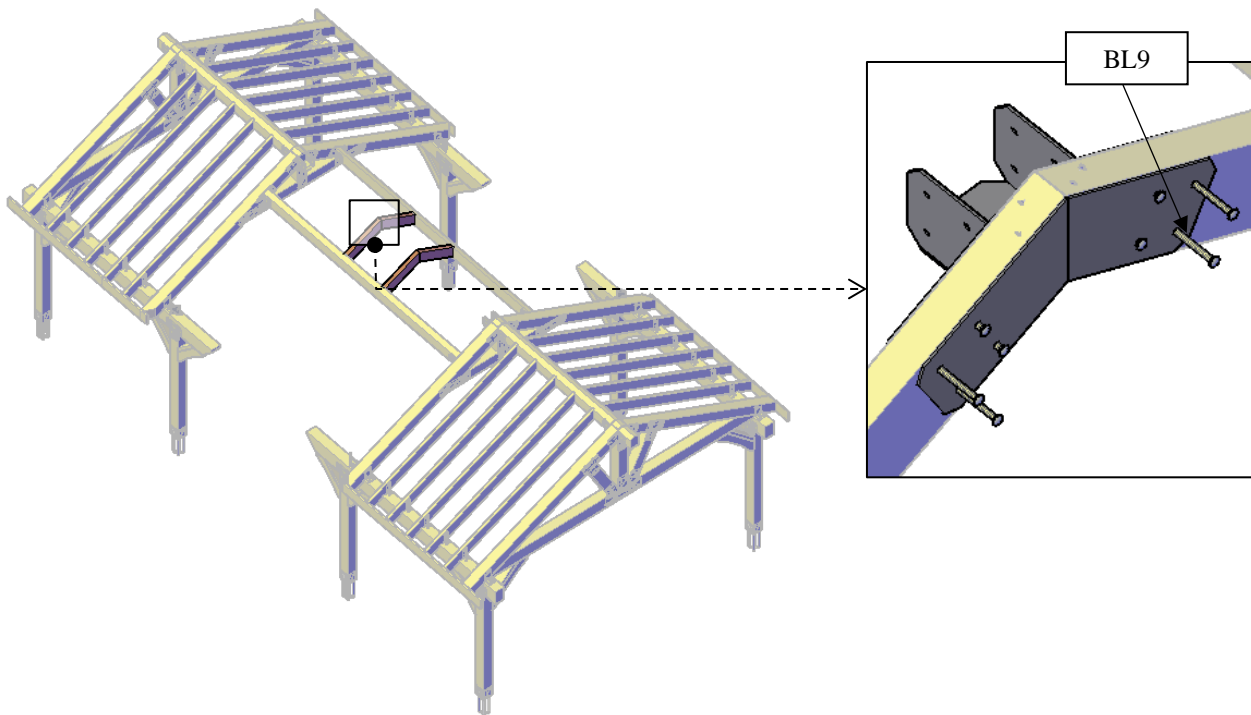
**Step 23:** Attach the beam bridge (9) to the roof trusses -B (6) with metal plaque -F (27) and 3/8" x 3" lag bolts (LB7). Check the marked on each beam bridge and place as drawings shown



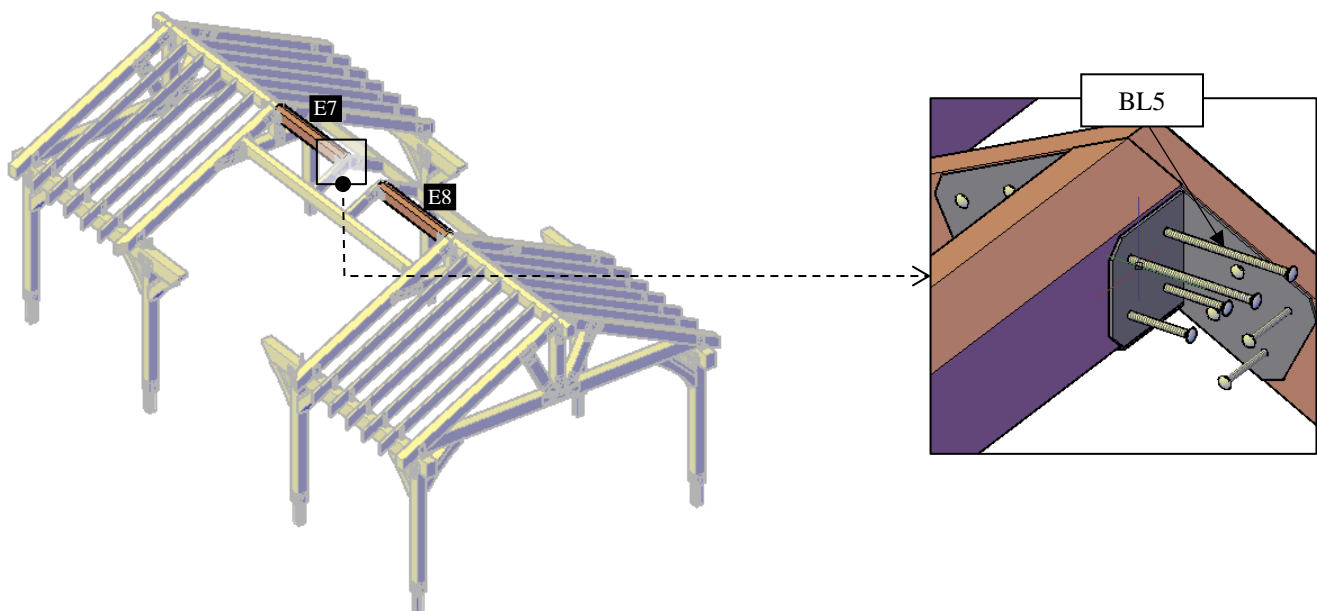
**Step 24:** Attach the bridge rafter (10) to the beam bridge (9) with 3/8" x 6" lag bolts (LB5). After that use 3" & 6" deck screws (DS1, DS2) to attach the bridge rafter between them. Check the marked on each bridge rafter and place as drawings shown.



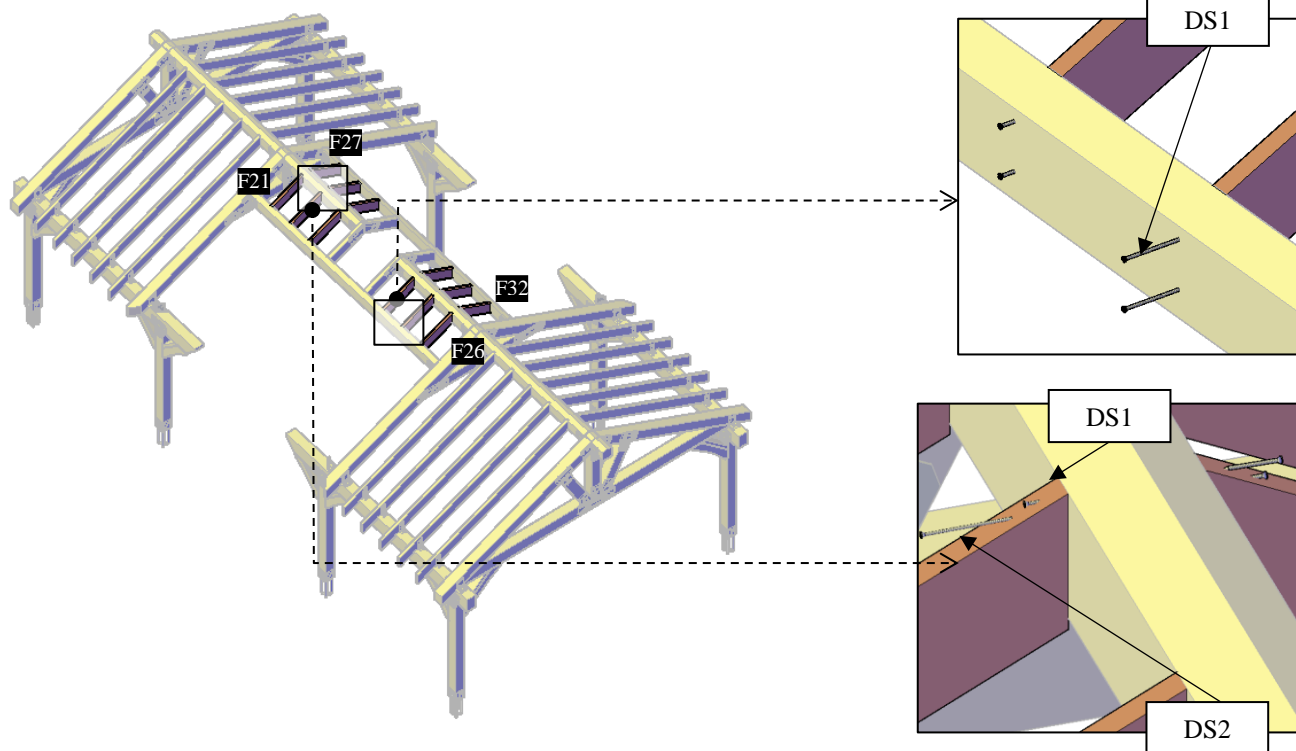
**Step 25:** Attach the metal plaque -H (30) to the bridge rafters (10) with 5/16" x 3 1/2" bolts (BL9) with washer and nuts.



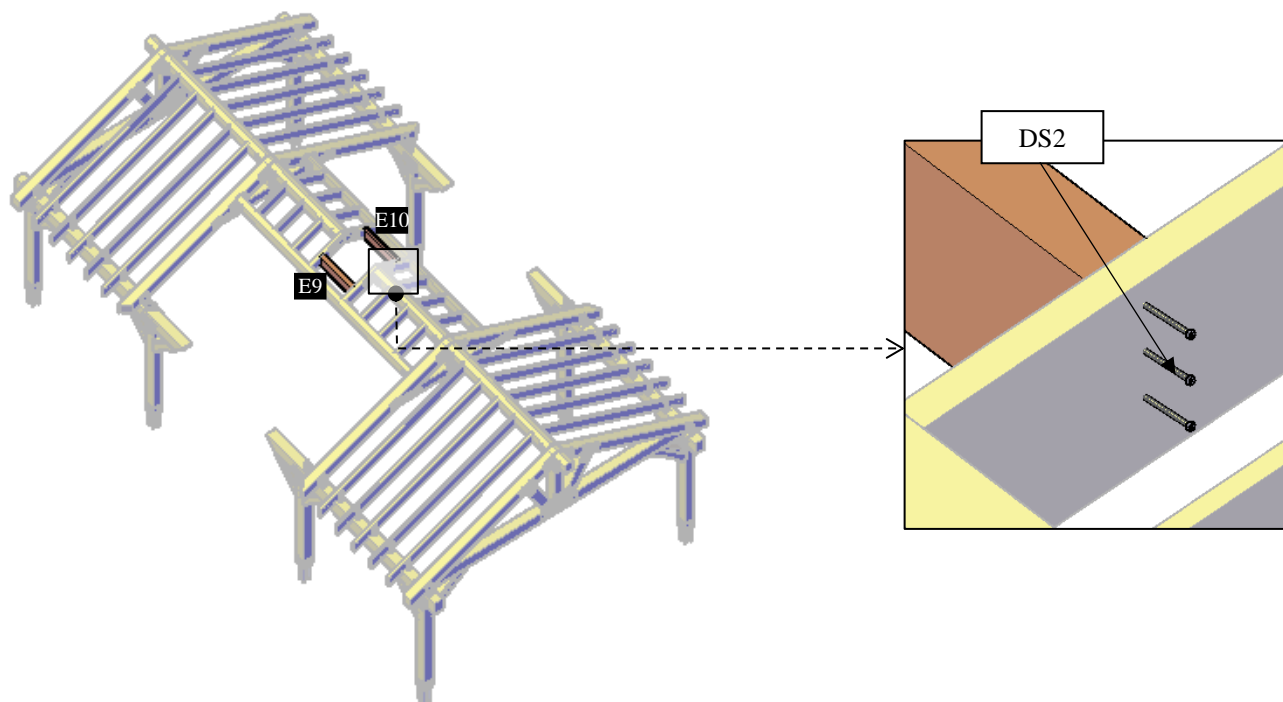
**Step 26:** Attach the ridge beam (7) to the roof trusses -B (6) with metal plaque -H (30) and 3/8" x 8 1/2" bolts (BL5). Check the marked on each ridge beam and place as drawings shown



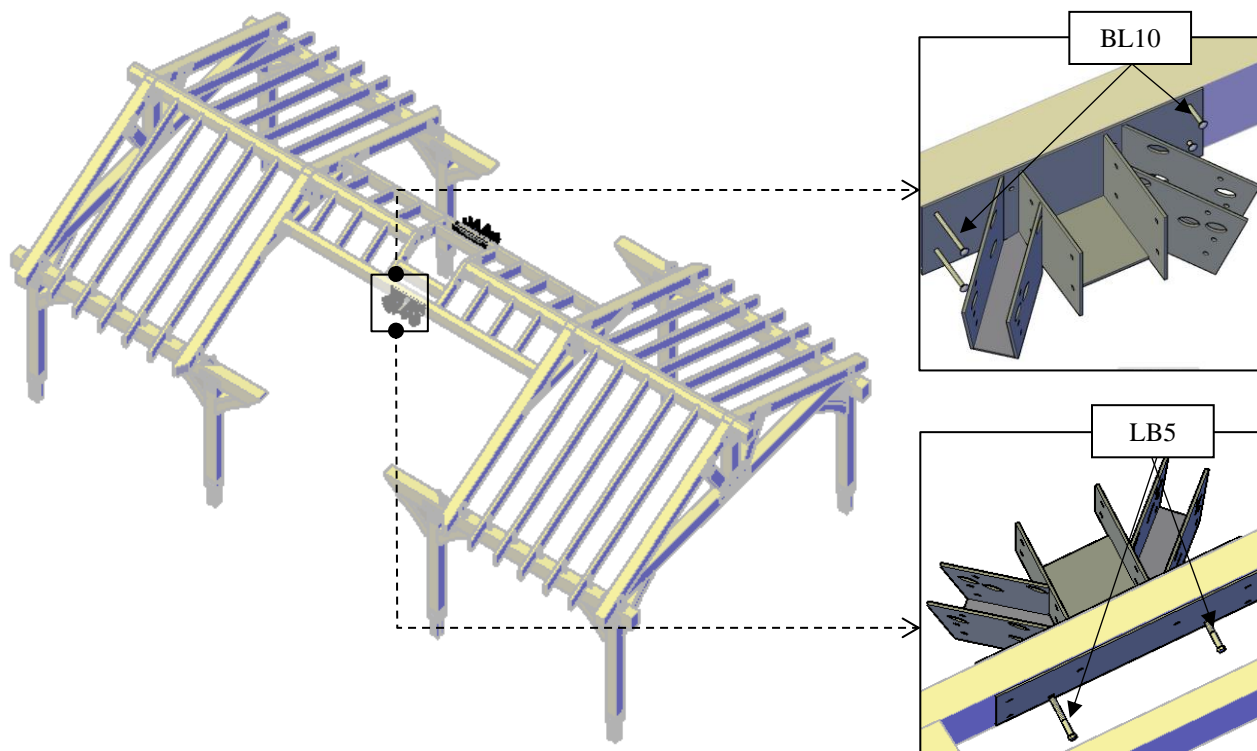
**Step 27:** Attach the rest bridge rafter (10) to the beam bridge (9) with 3" deck screws (DS1) and to the ridge beam (7) with 5" deck screws (DS2). Check the marked on each bridge rafter and place as drawings shown.



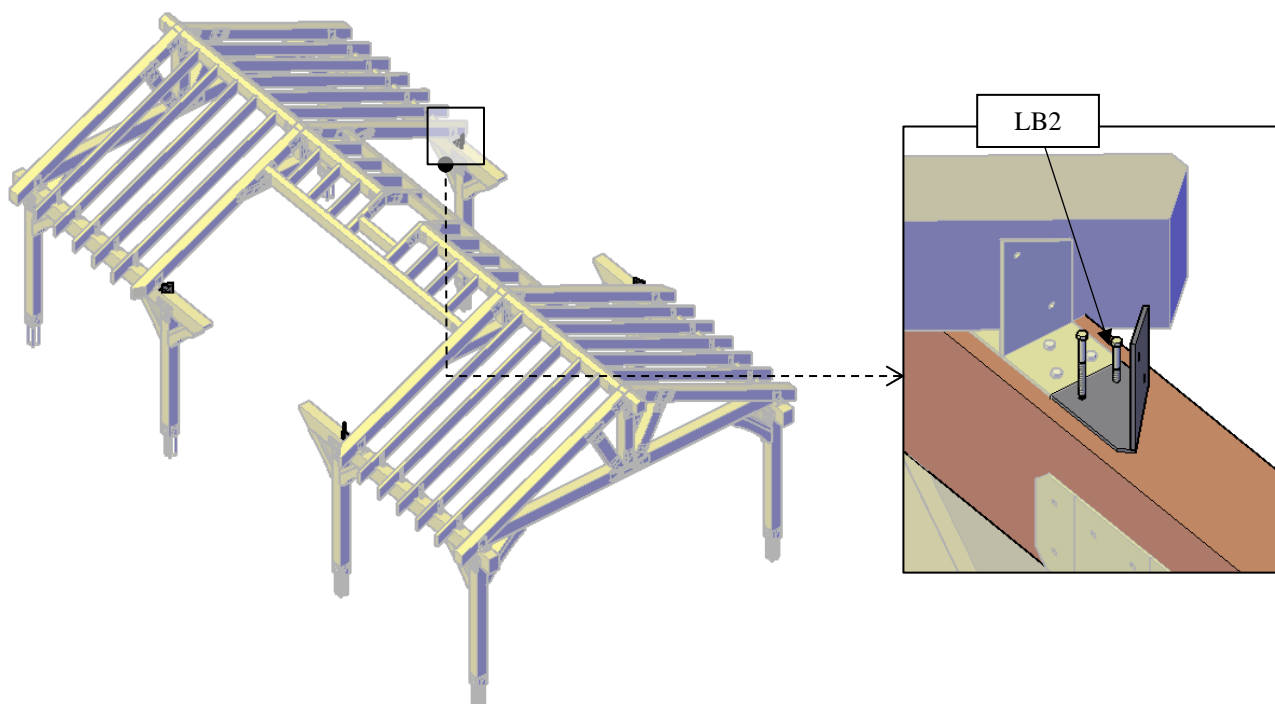
**Step 28:** Use 5" deck screws (DS2) to attach the cupola support (11) to the bridge rafters (10). Check the marked on each cupola support and place as drawings shown.



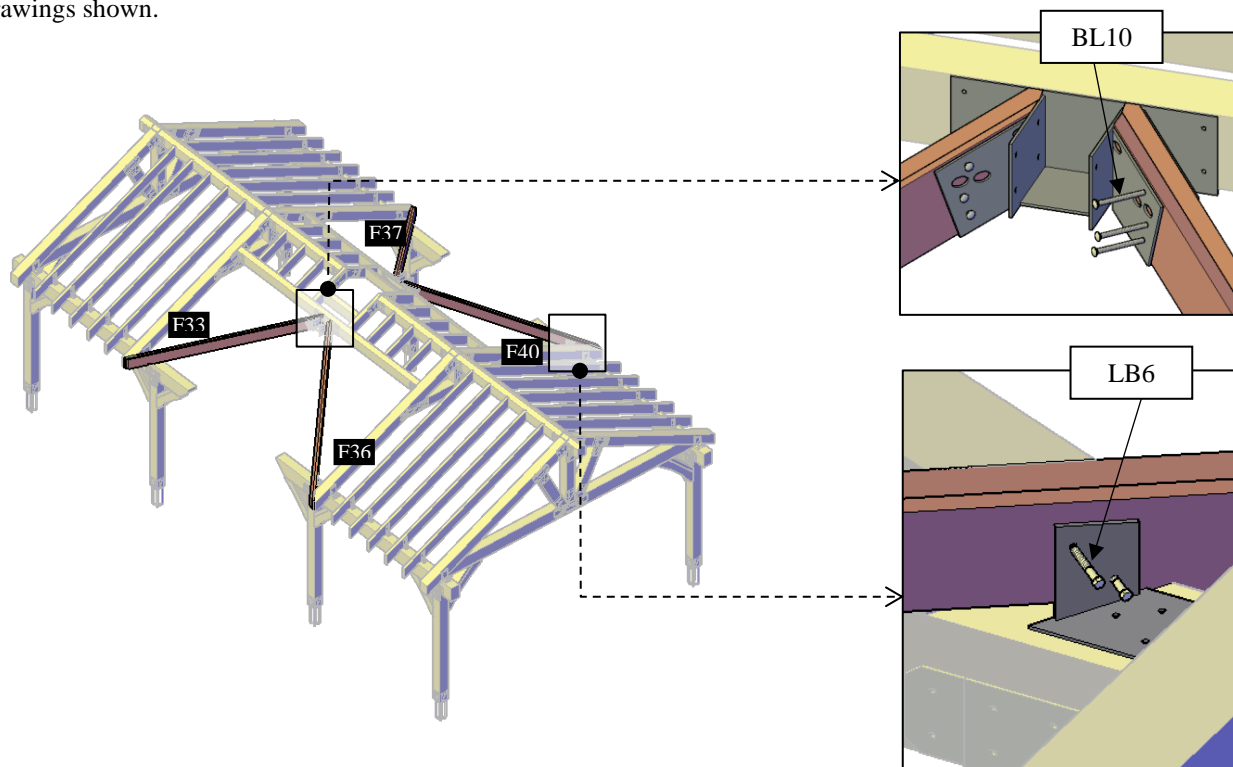
**Step 29:** Attach the metal plaque -I (31) to the beam bridge (9) with 5/16" x 4 1/2" bolts (BL10) and 3/8" x 5" lag bolts (LB5).



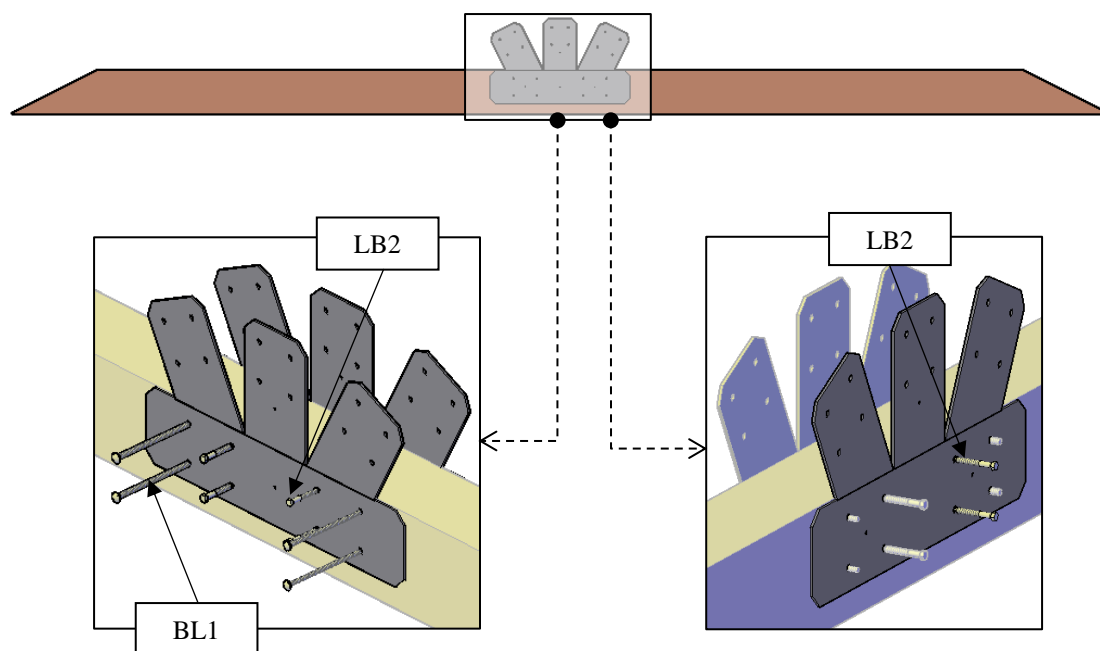
**Step 30:** Attach the metal plaque -J (32) to the supports (2) with 3/8" x 3 1/2" lag bolts (LB2).



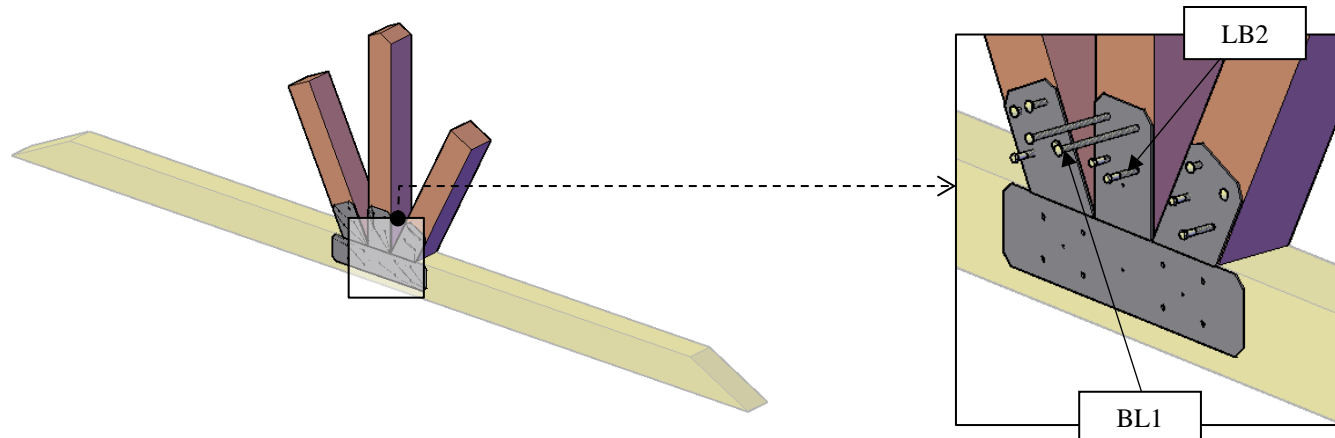
**Step 31:** Use 5/16" x 4 1/2" bolts (**BL10**) to attach the metal plaque -I (**31**) to the diagonal beam (**12**). After that use 3/8" x 4 1/2" lag bolts (**LB6**) to attach the diagonal beam (**12**) to the metal plaque -J (**32**). Check the marked on each ridge beam and place as drawings shown.



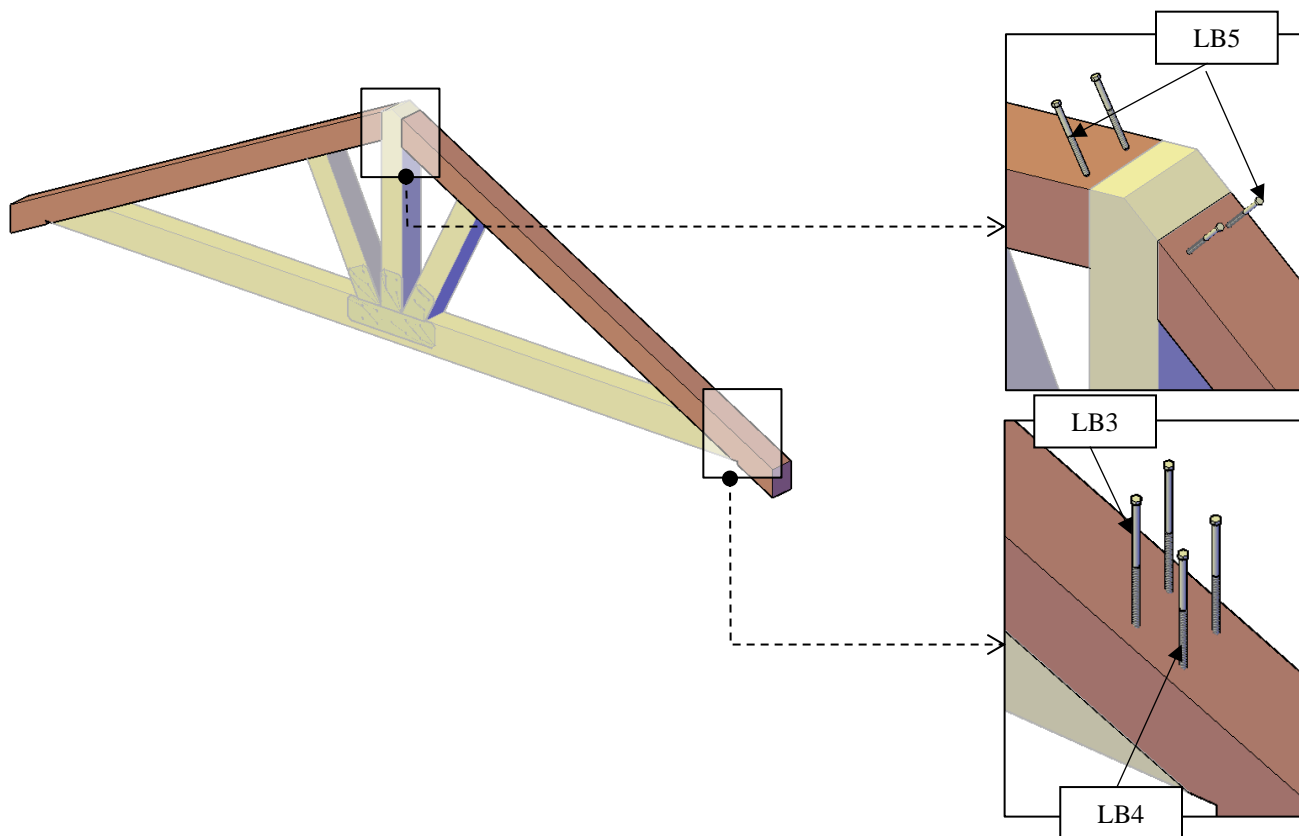
**Step 32:** Attach the Plaques in the Flower (**26**) to the tie beam (**13.1**) with 3/8" x 8" bolts (**BL1**) and 3/8" x 3 1/2" lag bolts (**LB2**).



**Step 33:** Attach the king posts (13.2) and struts (13.3) to the tie beam (13.1) with plaque in the floor (26) with 3/8" x 8" bolts (BL1) and 3/8" x 3 1/2" lag bolts (LB2).

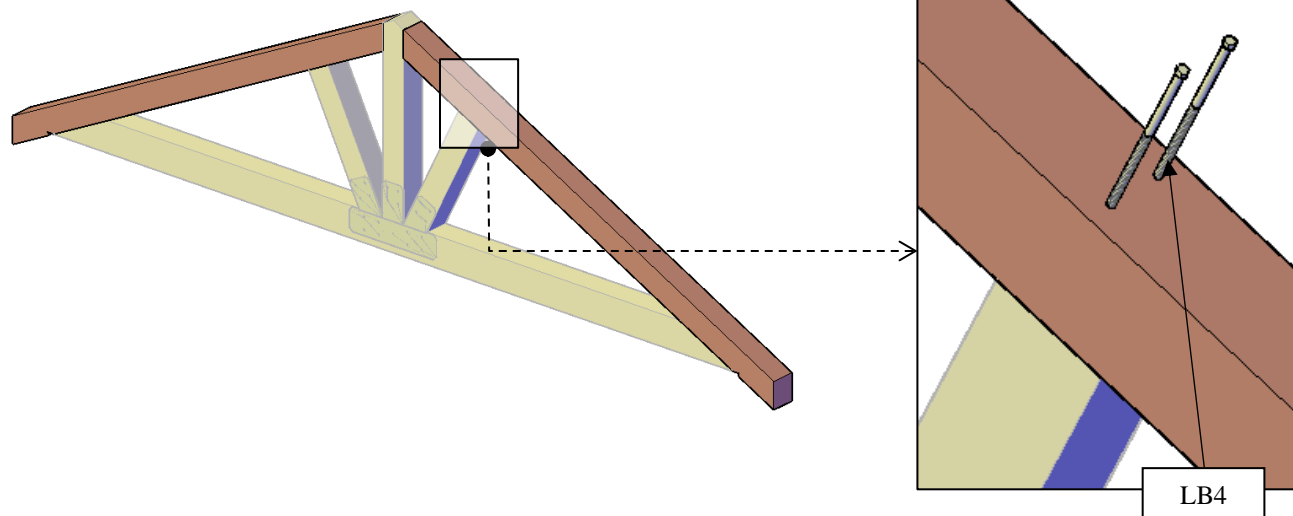


**Step 34:** Use 3/8" x 6" lag bolts (LB5) to attach the principal rafter truss (13.4) to the king post (13.2) and to the tie beam (13.1) with 3/8" x 12" lag bolts (LB3) and 3/8" x 10" lag bolts (LB4) as shown below. Check the marked on each principal rafter truss and place as drawings shown.

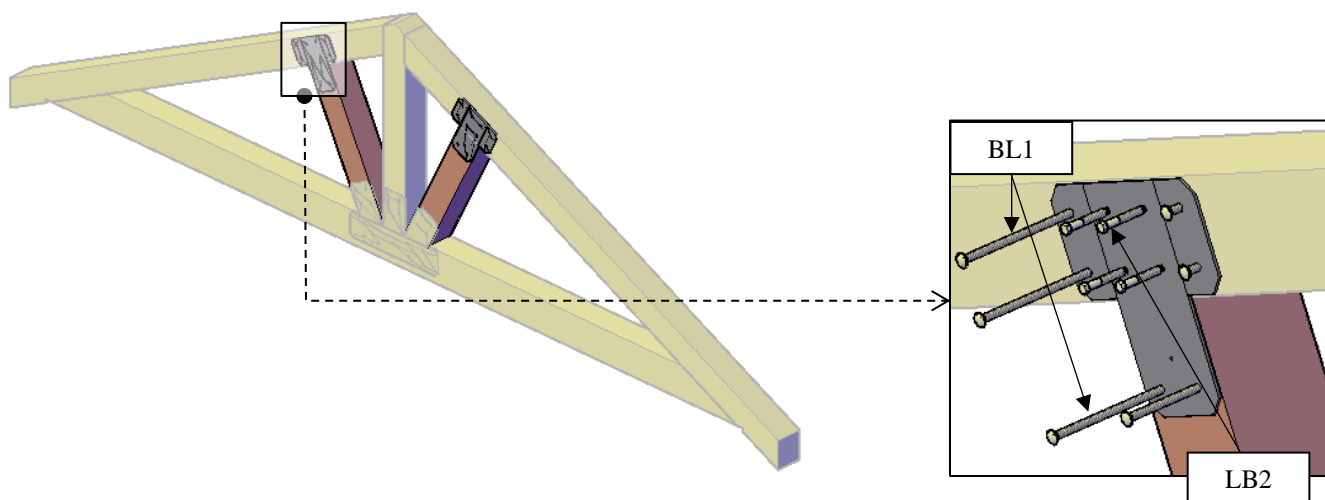




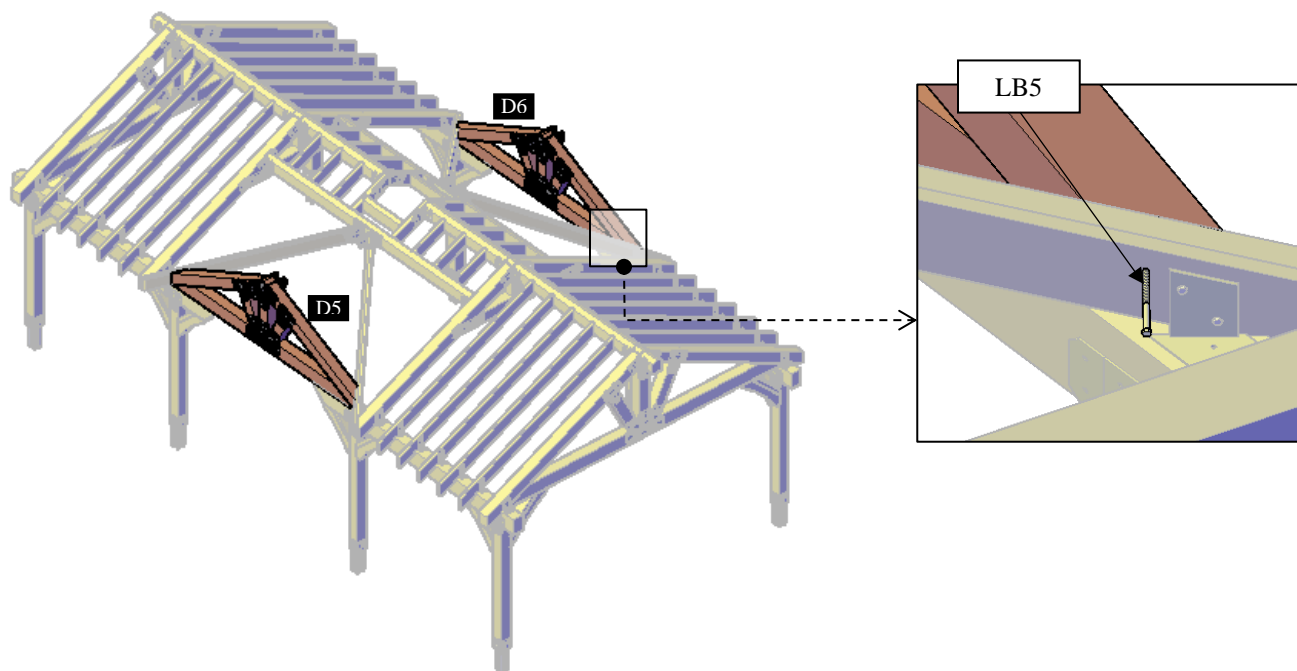
**Step 35:** Use 3/8" x 10" lag bolts (**LB4**) to attach the principal rafter truss (**13.4**) to the struts (**13.3**). Check the marked on each principal rafter truss and place as drawings shown.



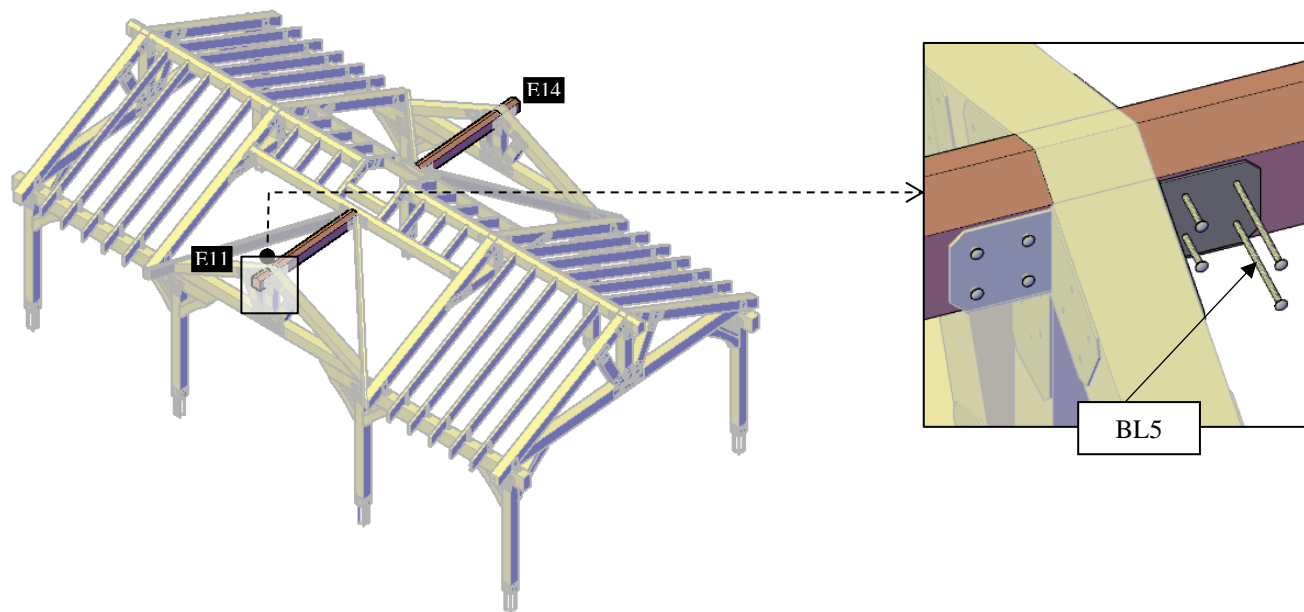
**Step 36:** Attach the T-plaque (**21**) to the struts (**13.3**) and principal truss (**13.4**) with 3/8"x 3 1/2" lag bolts (**LB2**) and 3/8" x 8" bolts (**BL1**).



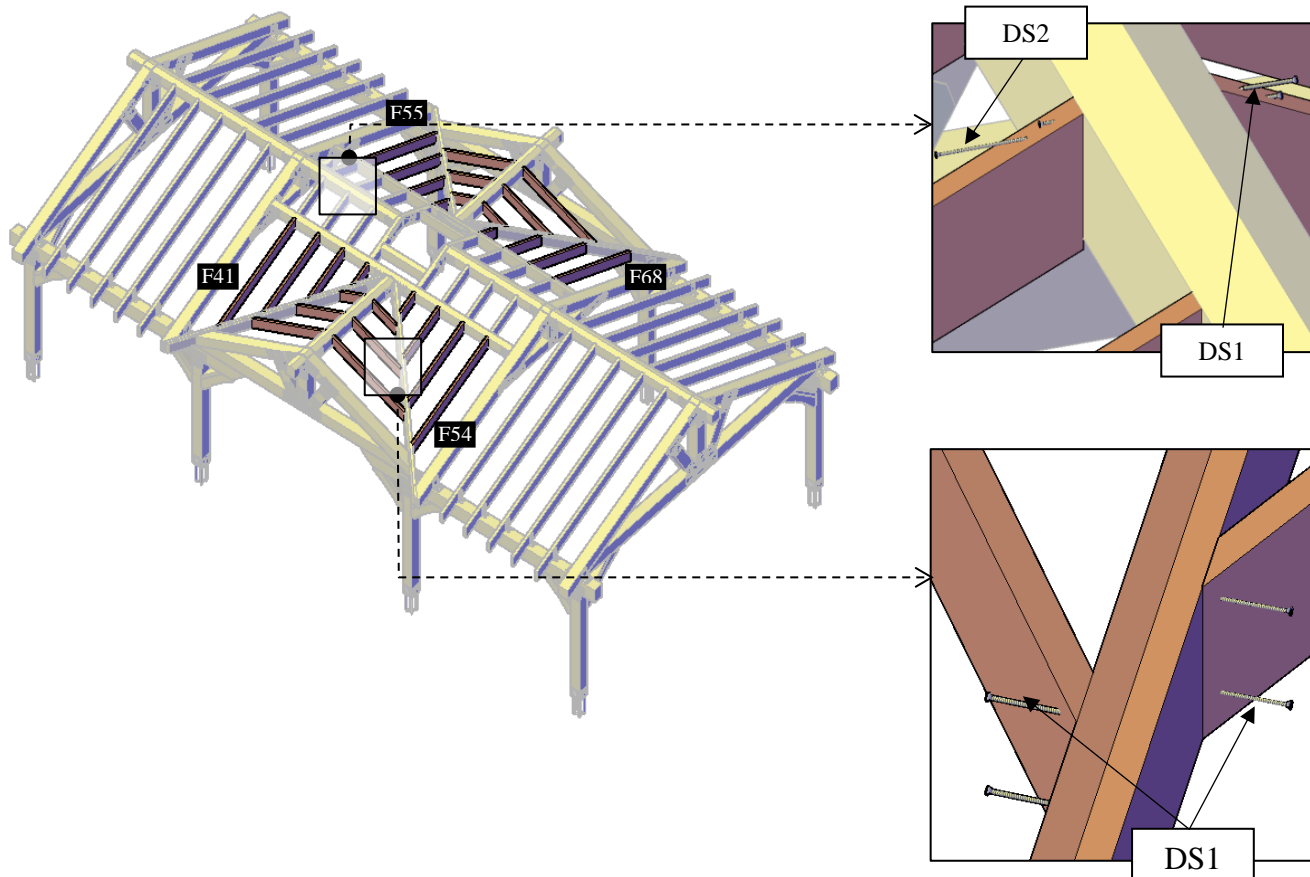
**Step 37:** Use 3/8" x 6" lag bolts (**LB5**) to attach the diagonal beam (12) to the roof truss -C (13). Check the marked on each diagonal beam and place as drawings shown.



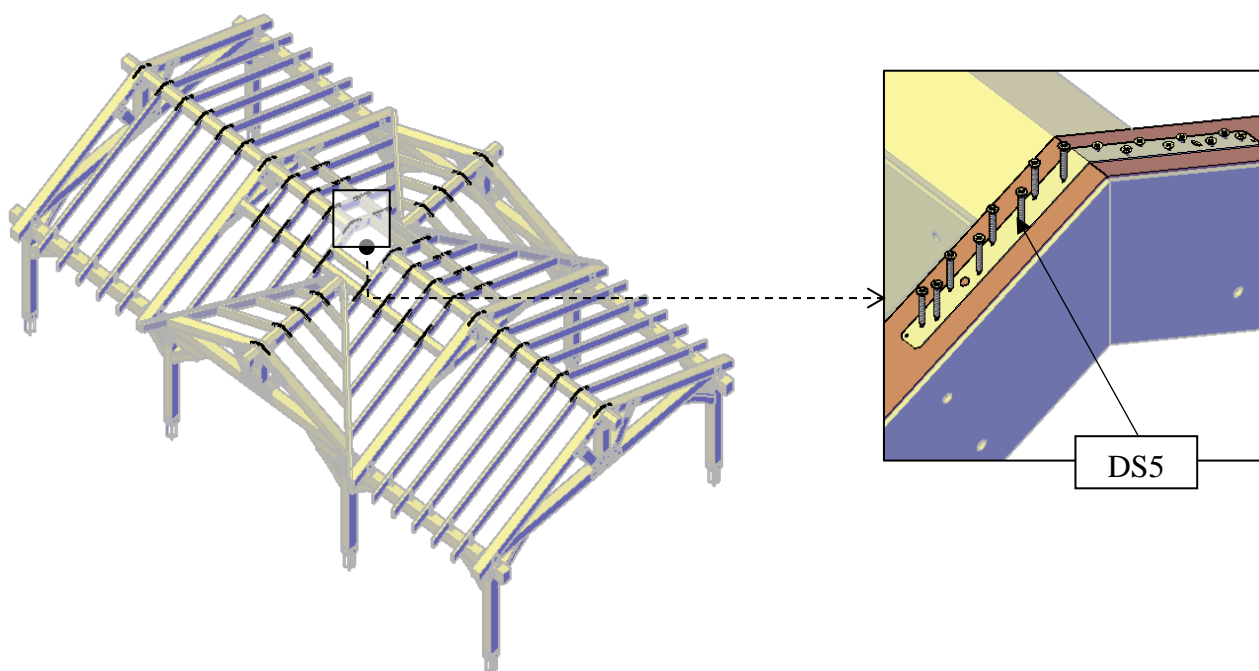
**Step 38:** Attach the ridge beam (7) to the roof trusses -C (6) and beam bridge (9) with metal plaque -I (31) and 3/8" x 8 1/2" bolts (**BL5**) with washer and nuts. Check the marked on each ridge beam and place as drawings shown



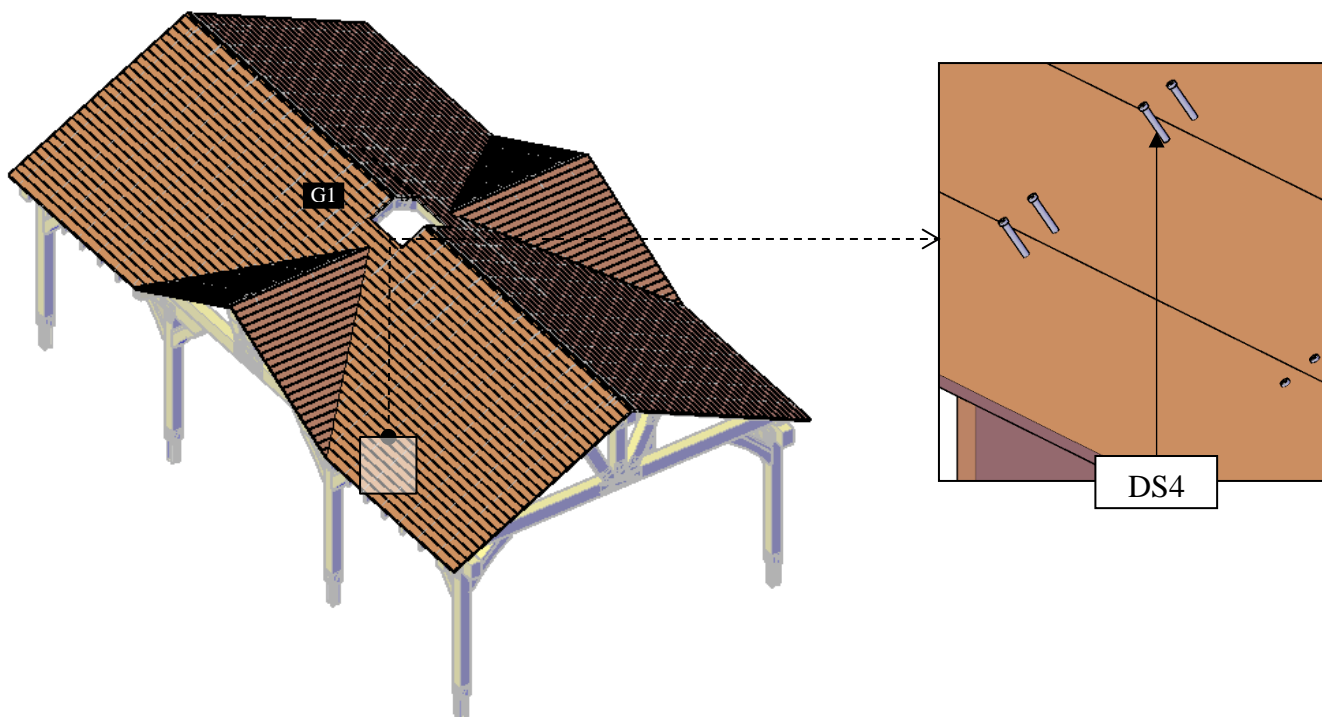
**Step 39:** Attach the short rafter (14) to the diagonal beams (12) with 5" deck screws (DS2). After that use 3" deck screws (DS1) to attach the short rafter (14) to the ridge beam (7). Check the marked on each short rafter and place as drawings shown.



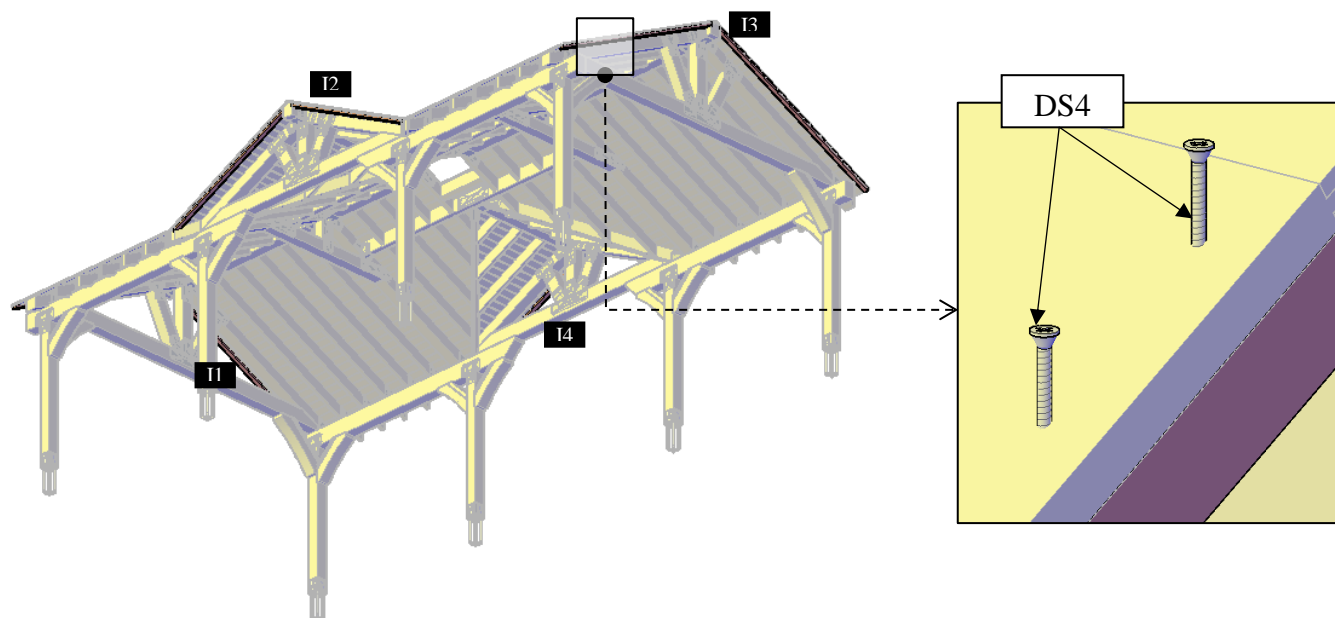
**Step 40:** Attach the plaque simpson (32) to the rafters (8,7) and ridge beam () with 1 1/4" deck screws (DS5).



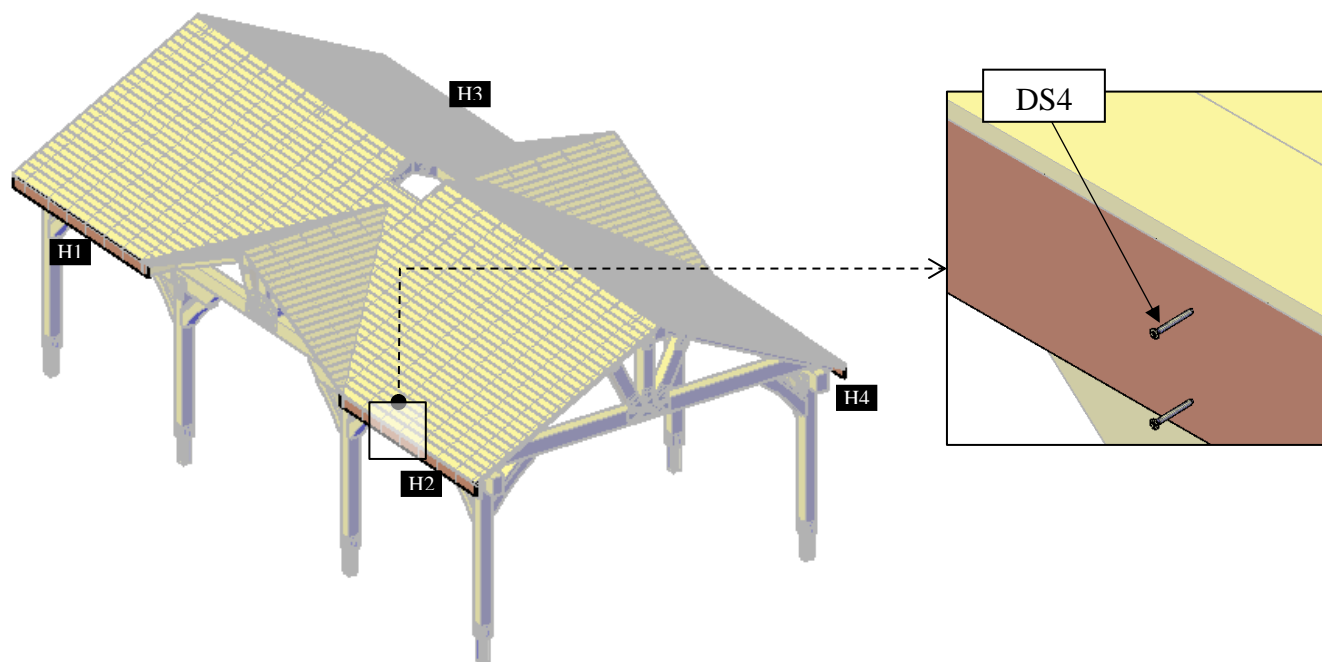
**Step 41:** Attach the roof boards (15) to the rafters (8) and roof trusses (4,6,13) with 2" deck screws (DS4). Check the marked on each roof board and place as drawings shown.



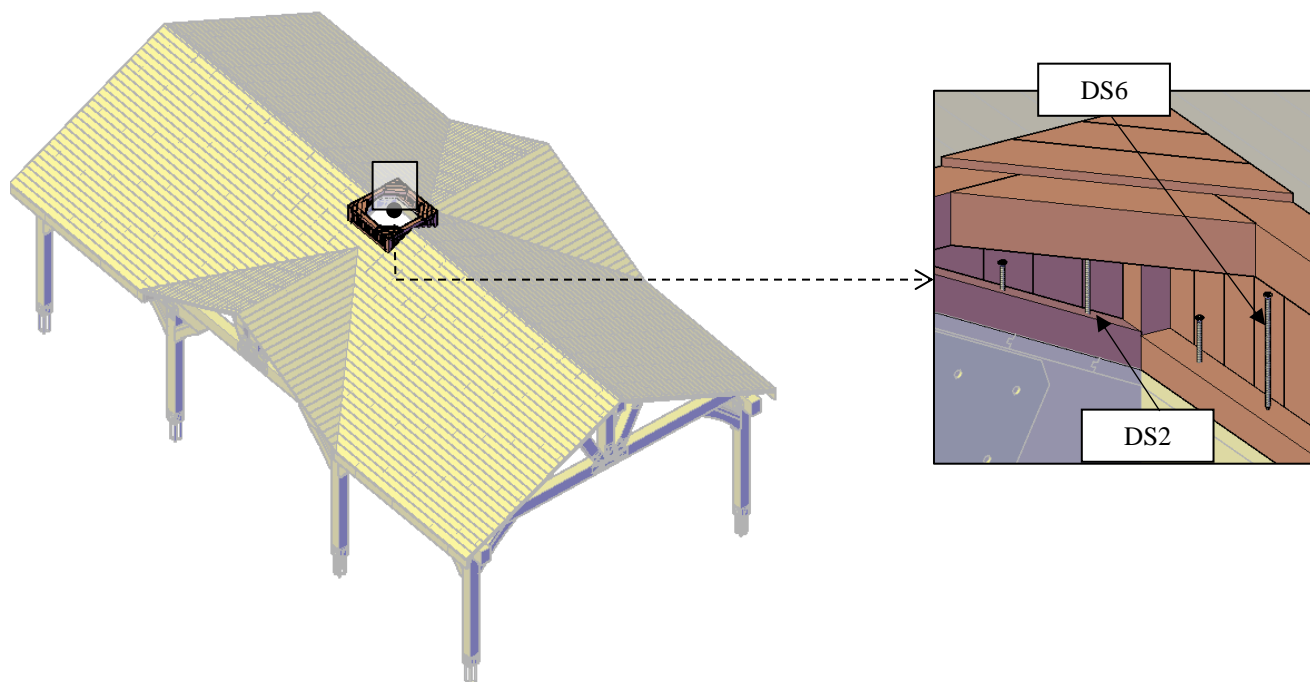
**Step 42:** Attach the roof trim (16) to the roof boards (15) with 2" deck screws (DS4). Check the marked on each roof trim and place as drawings shown.



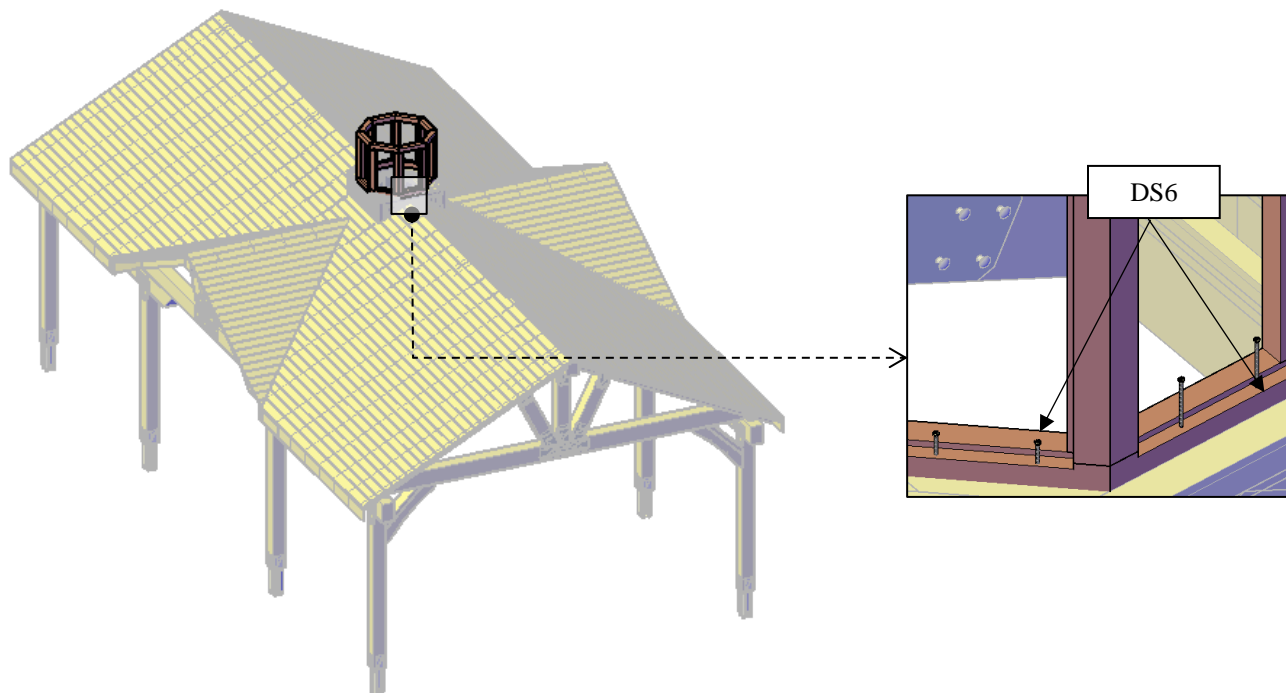
**Step 43:** Attach the fascia (17) to the roof boards (15) with 2" deck screws (DS4). Check the marked on each fascia and place as drawings shown.



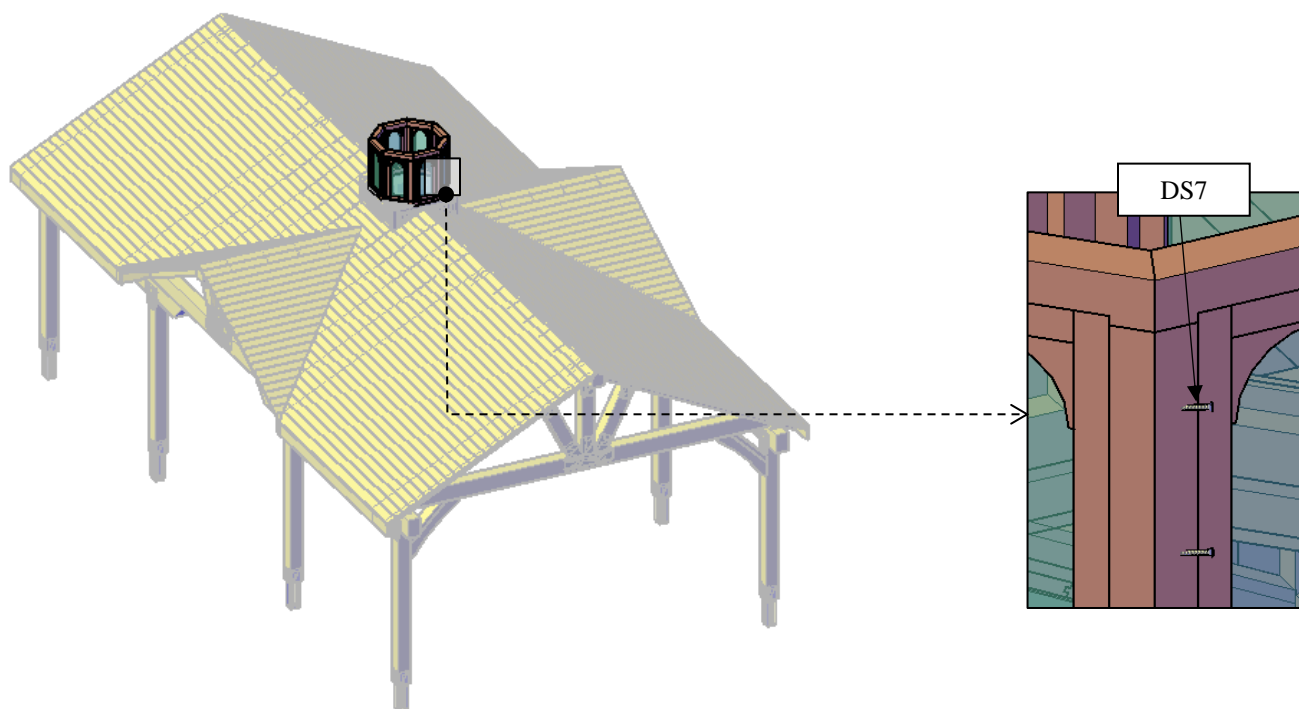
**Step 44:** Attach the cupola base (18.1) to the roof boards (15) and cupola supports (11) with 4" deck screws (DS6) and 5" deck screws (DS2). Check the marked on each cupola and place as drawings shown.



**Step 45:** Attach the window frame (18.2) to the cupola base (18.1) with 4" deck screws (DS6). Check the marked on each window panels and place as drawings shown.

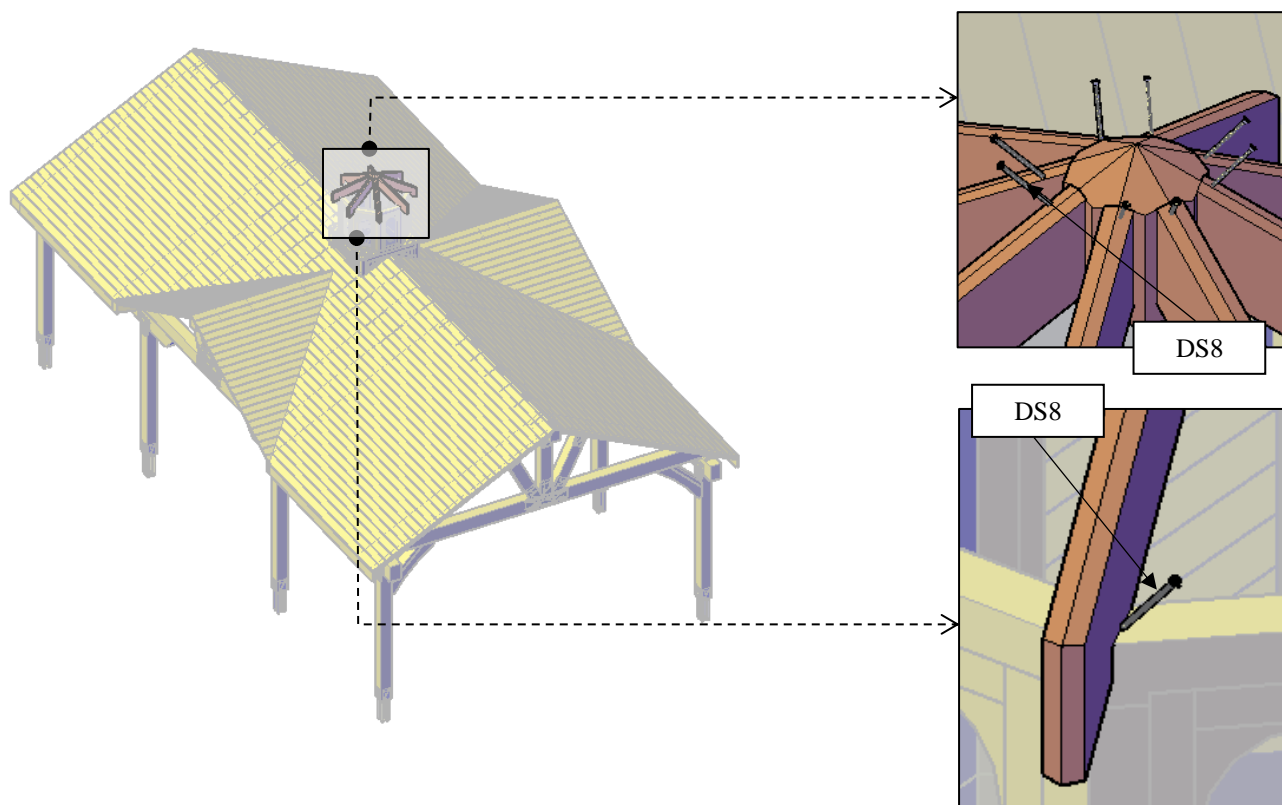


**Step 46:** Use 3 ½" deck screws (DS7) to attach the window frame (18.3) between them. Check the marked on each window panels and place as drawings shown.

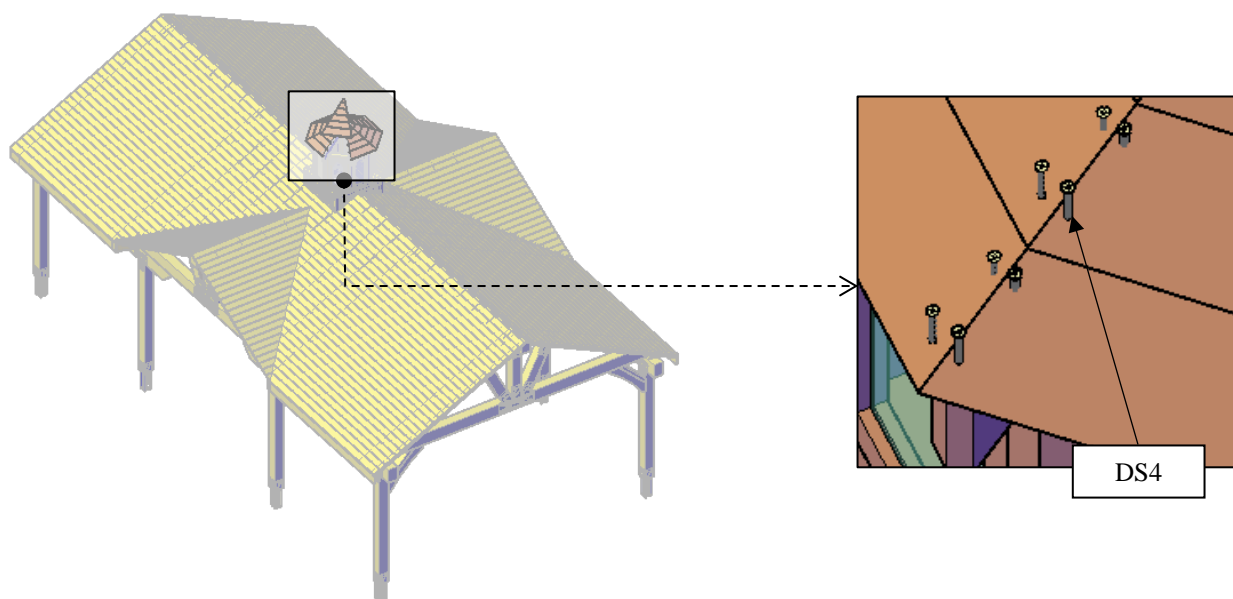




**Step 47:** Attach the rafter -A (18.5) to the window frame (18.3) with 4" deck screws (DS6) and to the central frame (18.6). Check the marked on each rafter -A and place as drawings shown.

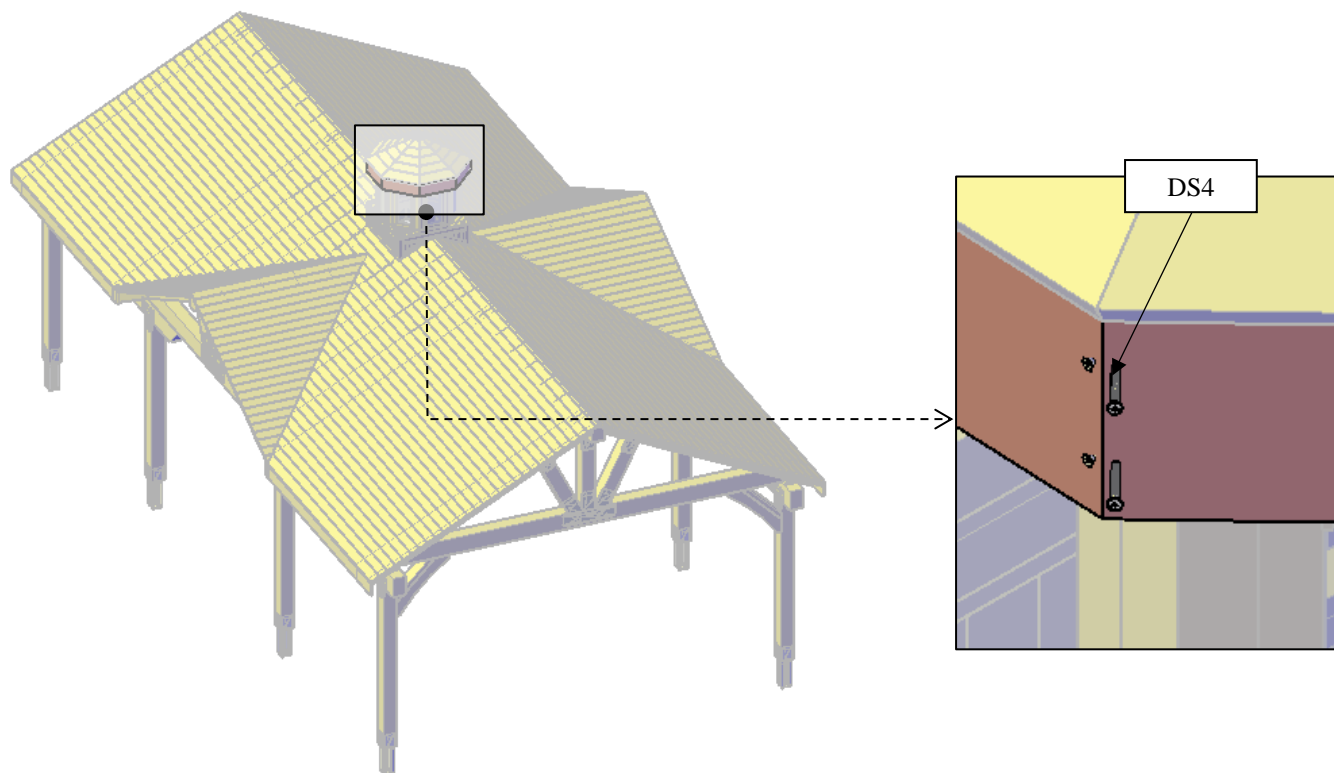


**Step 48:** Attach the roof boards (18.7) to the rafters (18.5) with 2" deck screws (DS4). Check the marked on each roof board and place as drawings shown.

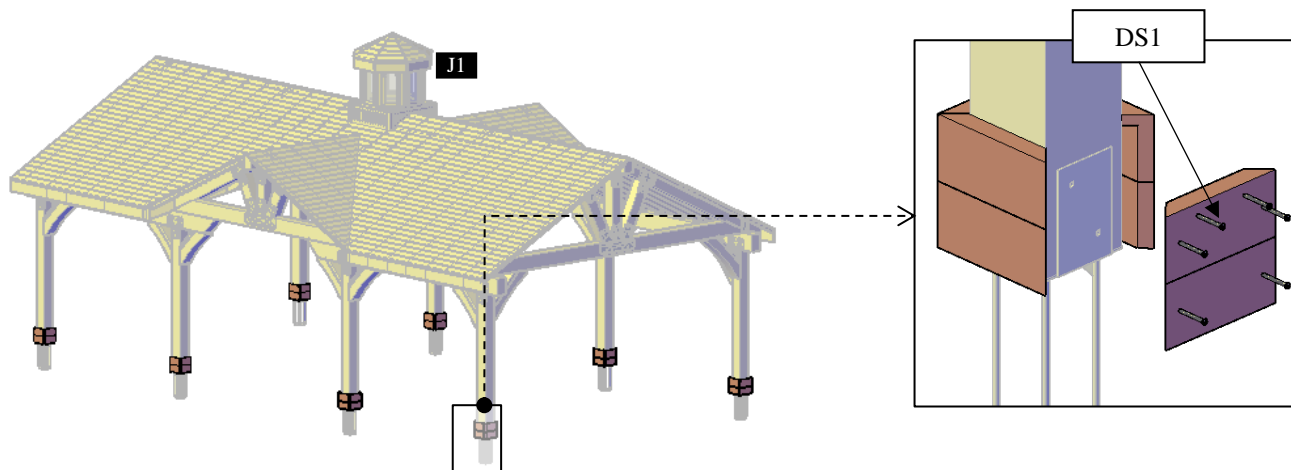




**Step 49:** Attach the fascia (18.8) to the roof boards (18.7) with 2" deck screws (DS4). Check the marked on each fascia and place as drawings shown.



**Step 50:** Finally attach the boot (19) to the posts (1) with 3" deck screws (DS1).





*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.*