

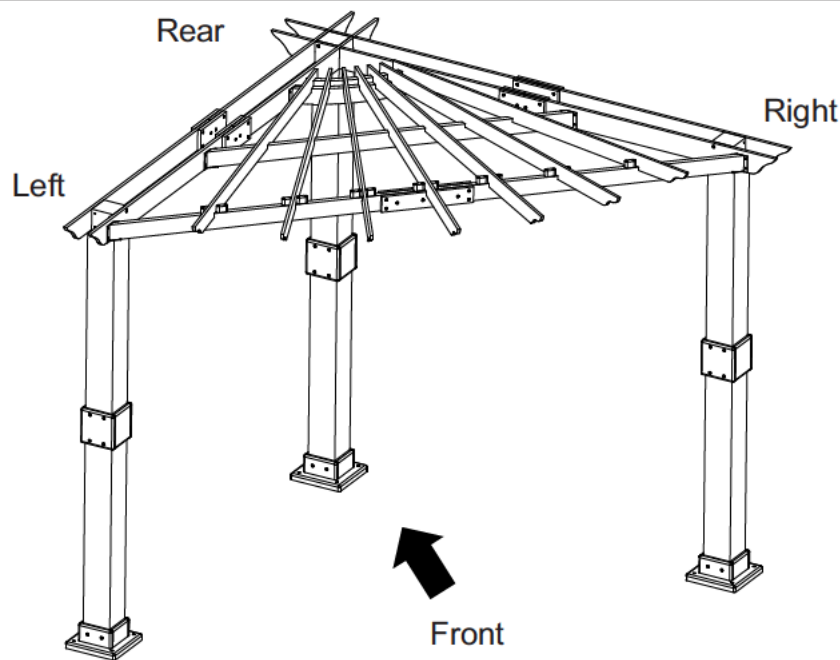
# Assembly Instructions

## TRIANGULAR PERGOLA

**Note 1: Post Mounting Hardware is NOT included in this kit.**  
**Please confirm with your local hardware store to determine the correct hardware.**

**CAUTION:** You must read this **Assembly Instructions** before you proceed.

Please look into the Corner Roof Support Joist package for all hardware.



**CAUTION :** IT IS RECOMMENDED THAT YOU :

- 1.) **DO NOT** USE THE PERGOLA DURING INCLEMENT WEATHER.
- 2.) ENSURE ALL CHILDREN ARE SUPERVISED, **AT ALL TIMES**, DURING USE OF PERGOLA.
- 3.) UNATTENDED CHILDREN **MUST NOT** BE ALLOWED TO USE THIS PERGOLA.
- 4.) **DO NOT** HANG ANY HEAVY OBJECT ONTO ANY PART OF THE PERGOLA.
- 5.) USE STEP LADDERS ONLY TO ASSEMBLE THIS PERGOLA.
- 6.) IN THE PROCESS OF ASSEMBLY, IF YOU SHOULD ACCIDENTALLY LOSE ANY HARDWARE, **DO NOT** REPLACE WITH YOUR OWN HARDWARE.
- 7.) IN THE PROCESS OF ASSEMBLY, IF YOU SHOULD ACCIDENTALLY DAMAGE THE WOOD, **DO NOT** PROCEED WITH THE ASSEMBLY.




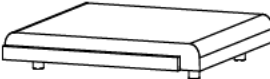
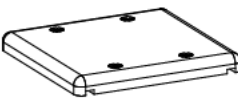
## CAUTION :

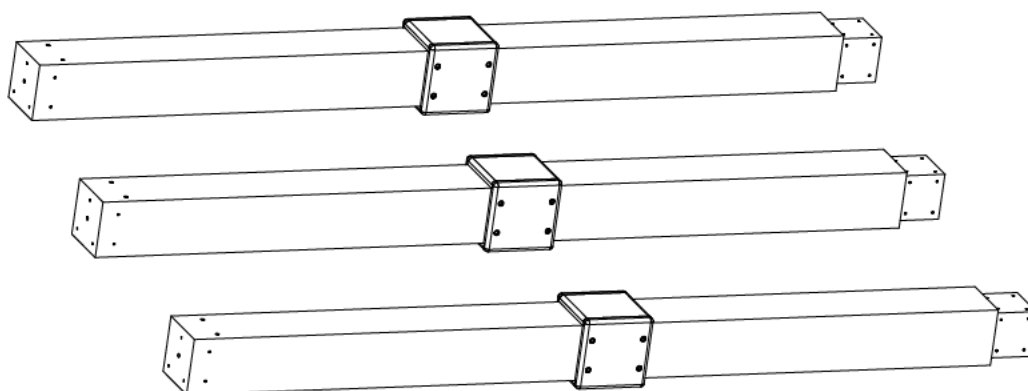
1. ) It is highly recommended that you read and familiarise yourself with this Assembly Instructions before you proceed to assemble this Pergola.
2. ) This Pergola consists of **MANY PARTS**. These Parts - would require your actions to JOIN / CONNECT, to become Components. The Components will then be ASSEMBLED to form the Pergola.
3. ) Team work - We recommend 4 to 5 adults partners and this assembly may require 3 to 4 hours to fully assemble the Pergola.
4. ) Before assembling, check all available parts and hardware are complete and intact.
5. ) Step Ladders are required at some stage in the Assembly Process. It is recommended that you check the **Serviceability and Condition of the Step Ladders before use**.
6. ) Exercise Caution **during and throughout the entire assembly process**. This is especially required during lifting of heavy or large parts and or the long Joists.
7. ) **Do Exercise Safety** at all times when using the Step Ladders and or Hammer when staking the Garden Stakes into the ground.
8. ) We recommend you to **SELECT** your ideal location to set up the Pergola and that the entire Pergola is assembled **closest to this ideal location**. By selecting your ideal location, it would minimize moving about the Pergola upon partial and completion of assembly. The assembly in your ideal location would minimize injury to you and or your partners, and or damage(s) to the Pergola.
9. ) Upon selecting your ideal location, ensure the ground is firm, flat and even surface.
10. ) We recommend you to display and / or layout the parts / components in a "bundle manner" as recommended here below. This would allow for quick and easy retrieval during the assembly.
11. ) Ensure **NO ONE** other than those Partners should be allowed in the work-assembly area.

## **MAINTENANCE INSTRUCTIONS:**

1. Check all nuts and bolts monthly twice after Installation and tighten as required.  
Note: Don't overtight, which may lead to cracking of wood.
2. Inspect the wood parts monthly. Check for any sharp edges, lift in grains or splinters. If found, a light sanding is necessary, followed by the application of sealant. It will prevent further splitting or any other weather-related damages.
3. Replace any rusted bolts, nuts, and washers. If not, sand it and repaint using Non-leaded paint, meeting the requirements of Title 16CFR Part 1303.
4. To increase the longevity of the wooden pergola, consider staining and sealing at least once a year. Stain and sealant adds a layer of protection to the wood, protecting from UV rays and temperature changes, and also helps to maintain the wood color.

## Parts List

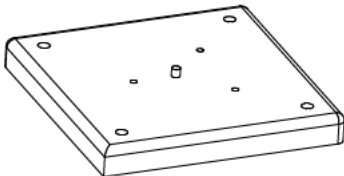


No.	Picture	Description	Qty
<b>Bundle I ) Parts of Pillars</b>			
<b>A1</b>		Upper Pillar	<b>3</b>
<b>A2</b>		Lower Pillar	<b>3</b>
<b>A3</b>		Pillar Joint - Key	<b>6</b>
<b>A4</b>		Pillar Mid Joinery - <b>Anchor Panel</b> ( with 4 (four) pcs of pre-attached wooden dowels )	<b>6</b>
<b>A5</b>		Pillar Mid Joinery - <b>Slide Panel with Grooves</b>	<b>6</b>

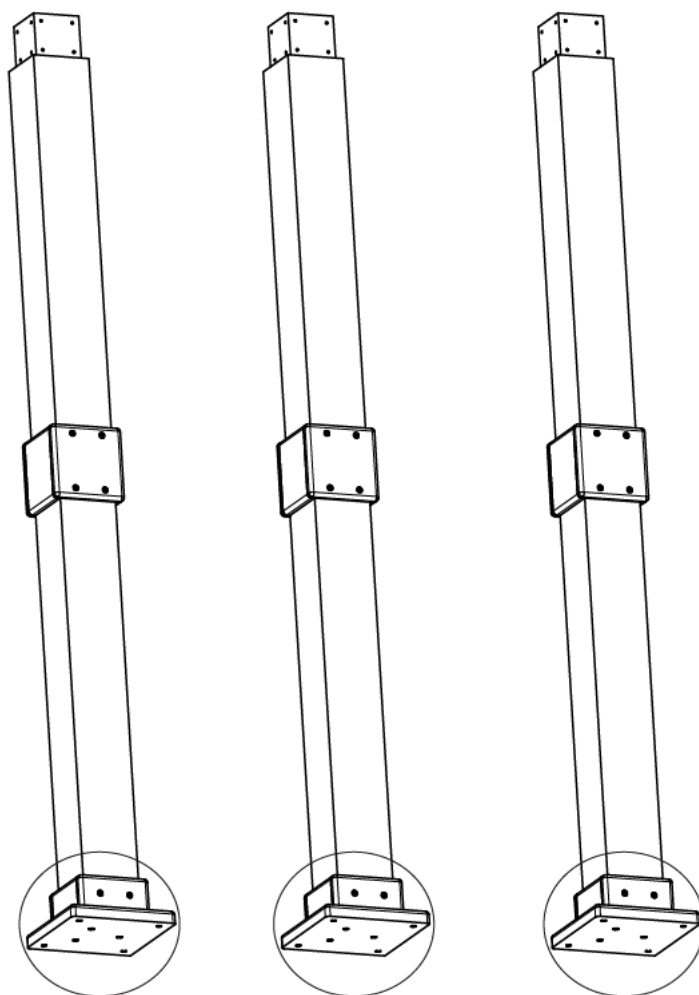


**Note 2 : Upon completion of Bundle Part 1 assembly, you would have 3 ( three ) pcs of Pillar.**

**Please ensure all Bolts and Screws are FULLY tighten after these are assembled.**

## Bundle II ) Parts of Foot Base & Foot Aprons




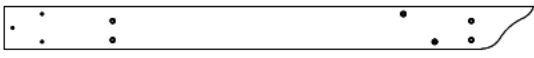
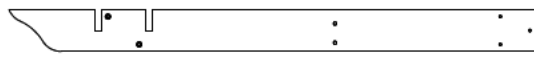
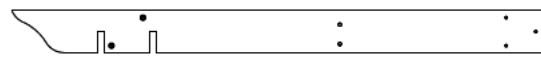

<b>B1</b>		Pillar Base : <b>Foot Base</b>	<b>3</b>
<b>B2</b>		Pillar Base : <b>Foot Apron - Anchor Panel with 4 (four) pcs of pre-attached wooden dowels)</b>	<b>6</b>
<b>B3</b>		Pillar Base : Foot Apron - <b>Slide Panel</b>	<b>6</b>

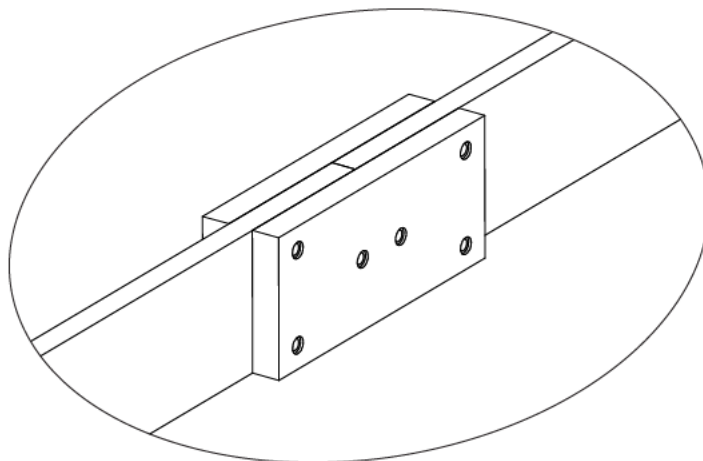


**Note 3 :** Upon completion of Bundle Part II, you would have assembled all 3 ( three ) Pillars, complete with Foot Bases. These would look as above.

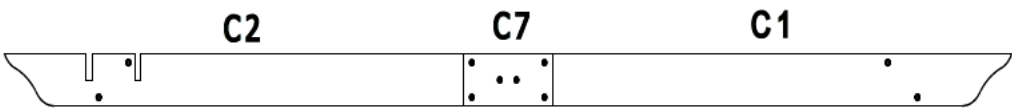
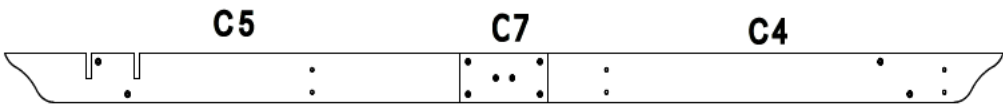
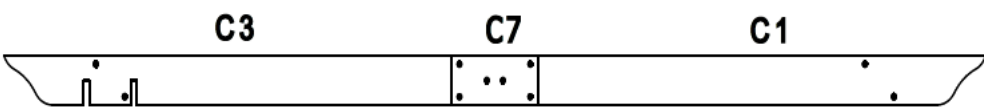
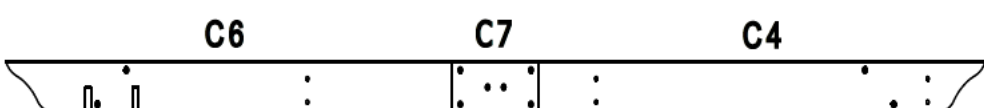
**Please ensure all Bolts and Screws are FULLY tighten after these are assembled.**

### Bundle III ) Parts of Inner and Outer Joists to the Pillars.



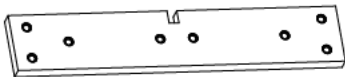
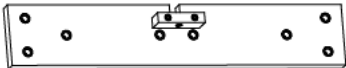

<b>C1</b>		Outer Joist	<b>2</b>
<b>C2</b>		Outer Slotted - Joist - Right	<b>1</b>
<b>C3</b>		Outer Slotted - Joist - Left	<b>1</b>
<b>C4</b>		Inner Joist	<b>2</b>
<b>C5</b>		Inner Slotted - Joist - Right	<b>1</b>
<b>C6</b>		Inner Slotted - Joist - Left	<b>1</b>
<b>C7</b>		Joinery - Short Joist	<b>8</b>



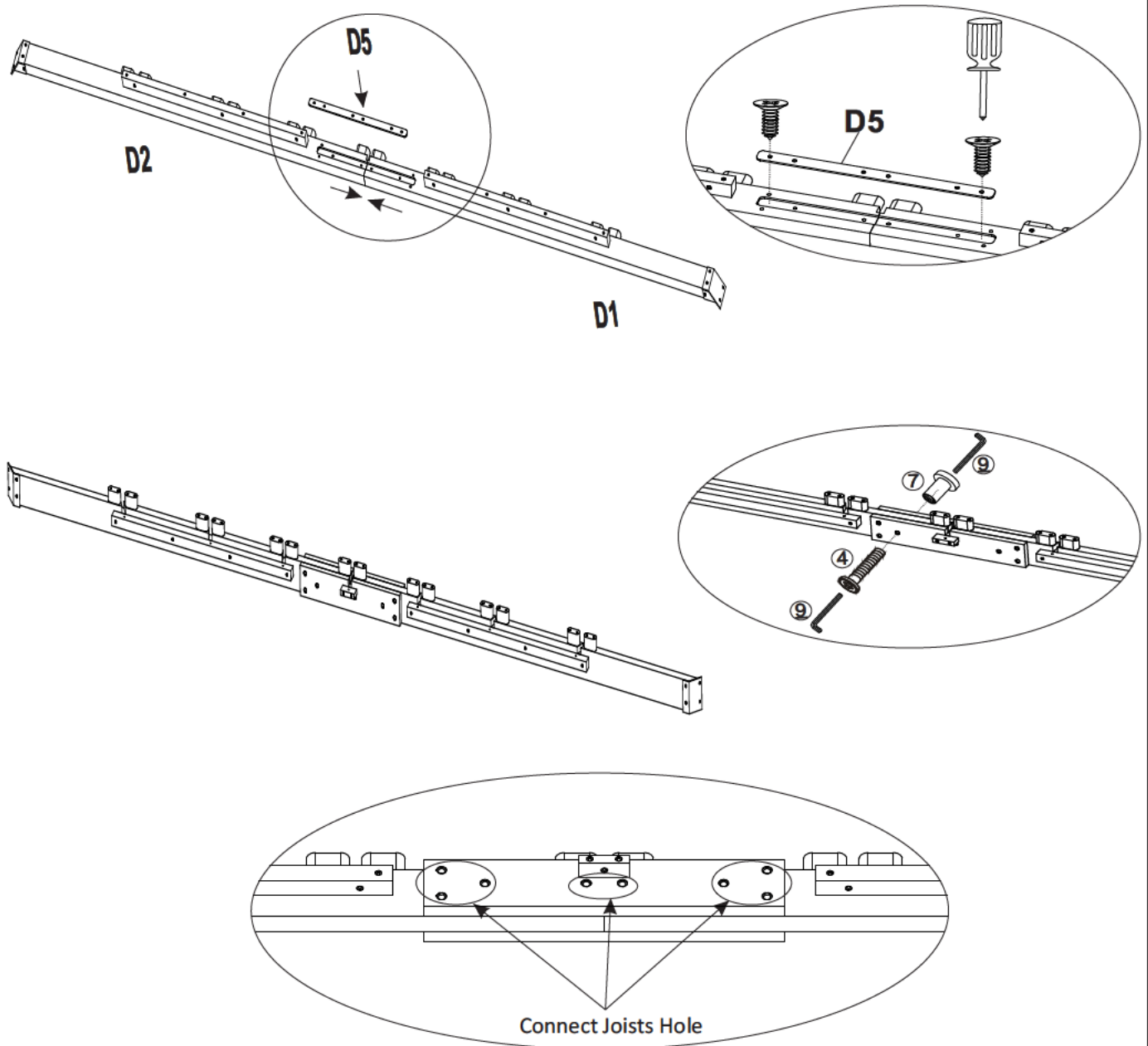
**Note 4 : Each JOISTS would need 2 pcs of Joinery - Short Joists ( C7 ) to complete the Inner and Outer Joists.**

Right Outer Joists	
Right Inner Joists	
Left Outer Joists	
Left Inner Joist	

#### Bundle IV ) Parts of Front Roof Support Joist

<b>D1</b>		Front Roof Support Joist - <b>Left</b>	<b>1</b>
<b>D2</b>		Front Roof Support Joist - <b>Right</b>	<b>1</b>
<b>D3</b>		Front Joist Joint - <b>Long</b>	<b>1</b>
<b>D4</b>		Front Joist Joint - <b>Key</b>	<b>1</b>
<b>D5</b>		Metal Cleat	<b>1</b>





**Note 5 :** Upon completion of the assembly of the **Front- Left & Right - Roof Support Joist 1 and 2 Joist**, this completed Joist now becomes the **FRONT ROOF SUPPORT JOIST**.

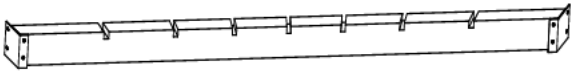
Please ensure all **Bolts and Screws** are **FULLY tighten** after these are assembled.

The **Metal Cleat** is placed and **sandwiched between the Wood Joists**.  
Do make sure the screw holes are well aligned to the holes in the JOIST KEY, Front Roof Support Joist - LEFT and RIGHT and the FRONT Joist.

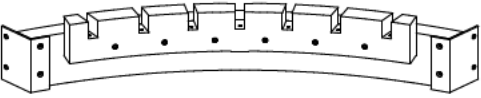
**There are a total of 8 Bolts and 8 Sleeve Nuts to be affixed at this connected joint.**



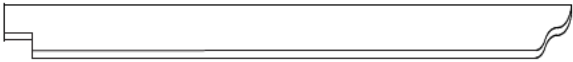
### Component V. ) Middle Roof Support Joist

<b>E</b>		Middle Roof Support Joist	<b>1</b>
----------	---	---------------------------	----------

### Component VI. ) Corner Roof Support Joist

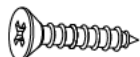







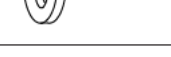



<b>F</b>		Corner Roof Support Joist	<b>1</b>
----------	---	---------------------------	----------

### Component VII. ) Roof Slats

<b>G</b>		Roof Slat	<b>7</b>
----------	---	-----------	----------

**Note 6 :** The above Components forms the Roof Support Joists and Roof Slats :  
**Component E - is the Middle - Roof Support Joist**  
**Component F - is the Corner - Roof Support Joist**  
**Component G - is the Roof Slats**

# Hardware List

No.	Picture	Description	QTY
1		Screw (M4x40mm)	17
2		Bolt (M6x15mm)	15
3		Bolt (M6x45mm)	29
4		Bolt (M6x60mm)	11
5		Screw (M7x50mm)	59
6		Screw (M7x70mm)	26
7		Sleeve Nuts (M6x18mm)	51
8		Flat Washer (Ø6.5/16x1mm)	15
9		Allen Wrench (M4 x 80mm)	4
10		Screw (M4x15mm)	3
11		Garden Stake (M10 x 300 mm)	12 (Not provided)
12		Screw Driver	Not provided

**Note 7:** Quantity in the **Hardware List** included extra hardware for each type of hardware. During assembly you only need to reference the part number as noted in each step. This will make finding the correct hardware easier.

**Note 8 :** This PERGOLA must be affixed / used on a **FLAT / NONE SLOPED GARDEN GROUNDS**.

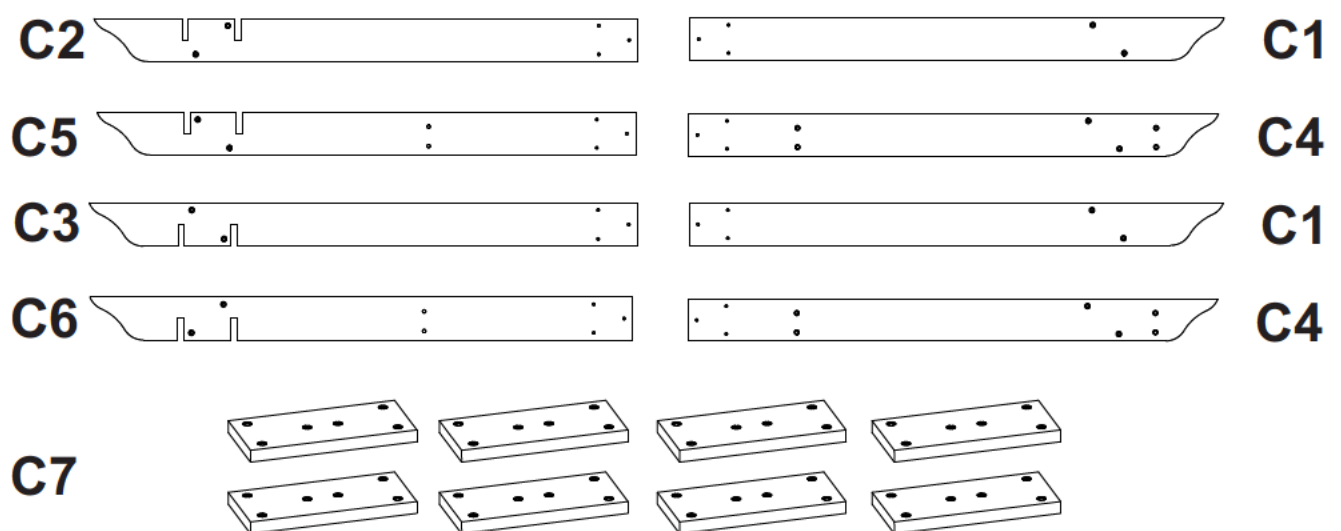
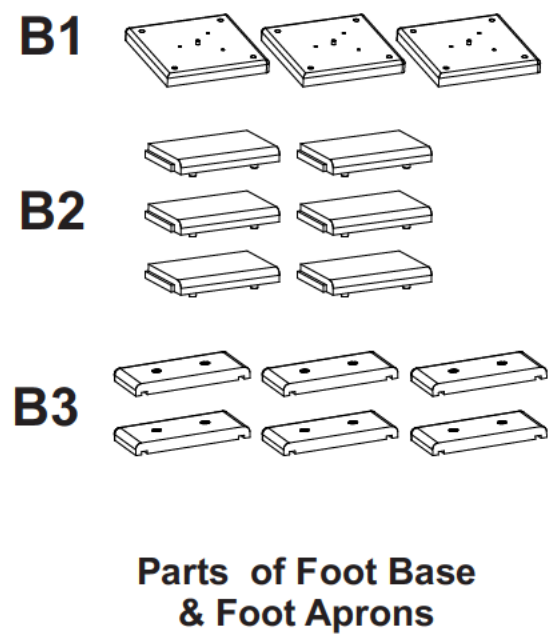
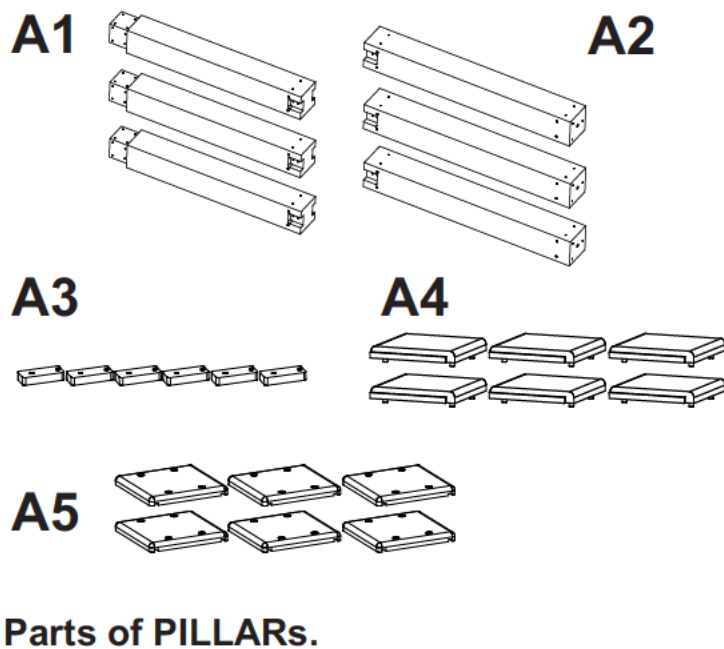
**The above illustrated Garden Stake Hardware - NOT provided.**

**The above illustrated Garden Stake is for Grass Ground Surface only.**

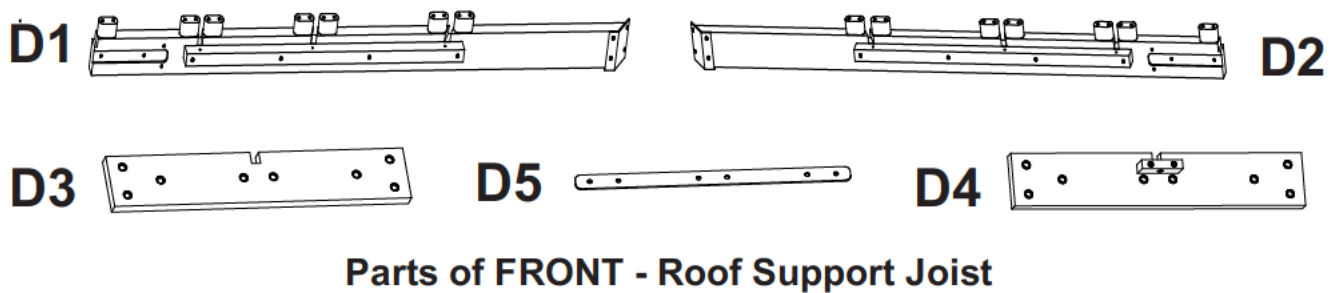
**Note 9 :** Pillar Mounting Hardware to Concrete Flooring is **NOT included/ NOT provided** in this kit.

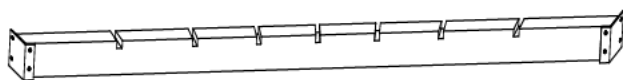
**Note 10 :** Please confirm with your local Building Permit Office to determine the correct hardware for the other surfaces you intend to fix / hoist up the Pergola.

# Assembly Preparation

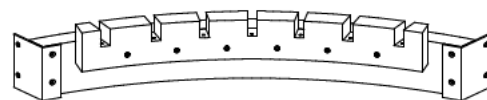


**Parts of Inner and Outer Joists, connected to become the RIGHT and LEFT : Inner and Outer Joists.**

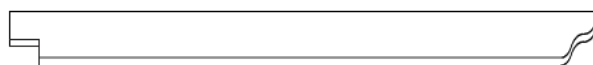
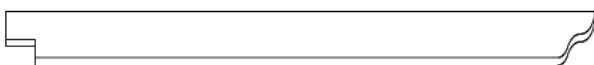


**E**

**Component - MIDDLE - Roof  
Support Joist**

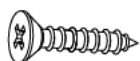
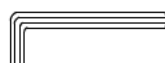
**F**

**Component - CORNER - Roof  
Support Joist**

**G**

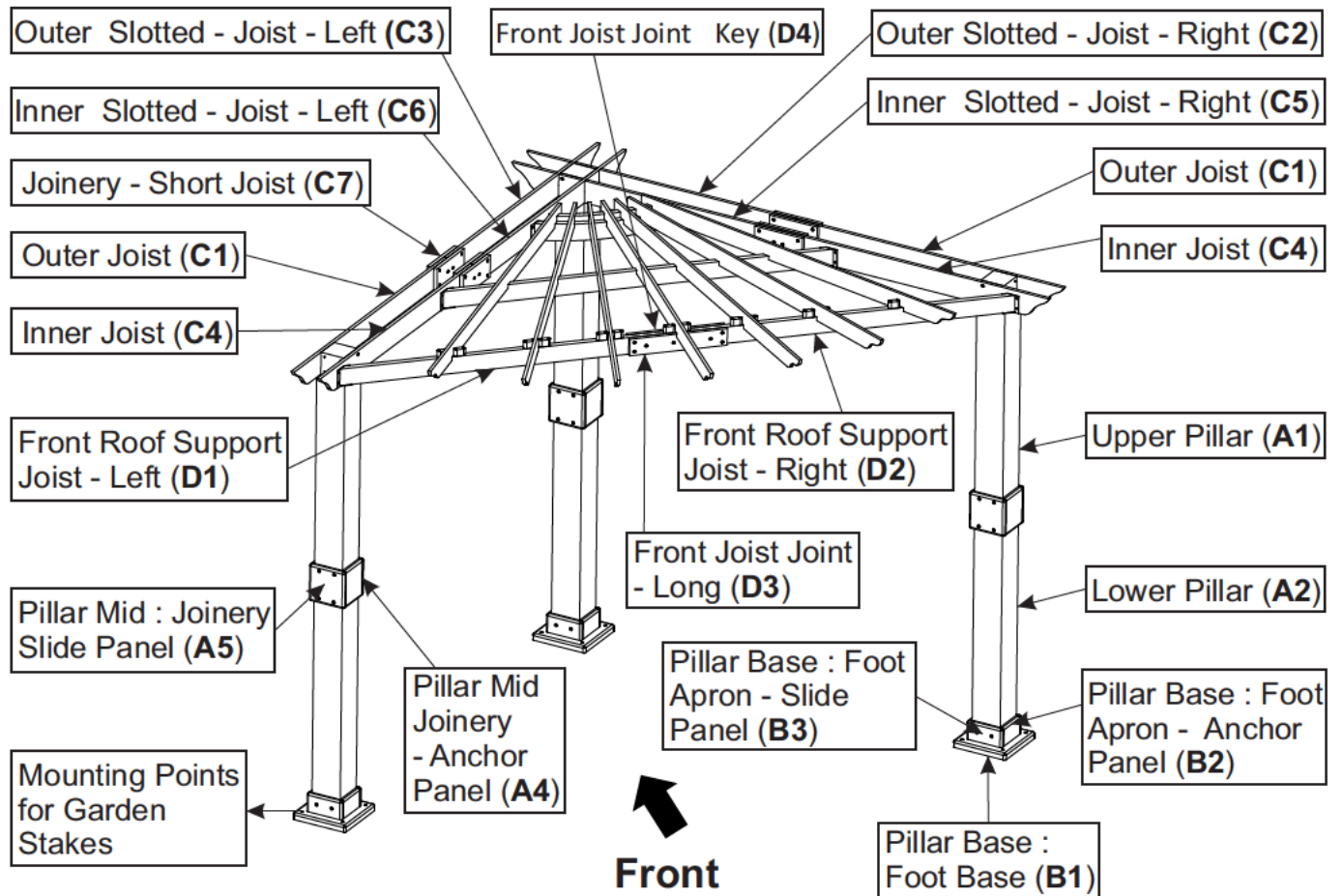
**Component - Roof Slats**

### HARDWARE PACK

**1****x 17****7****x 51****2****x 15****8****x 15****3****x 29****9****x 4****4****x 11****10****x 3****5****x 59****11****x 12 (Not  
provided)****6****x 26**

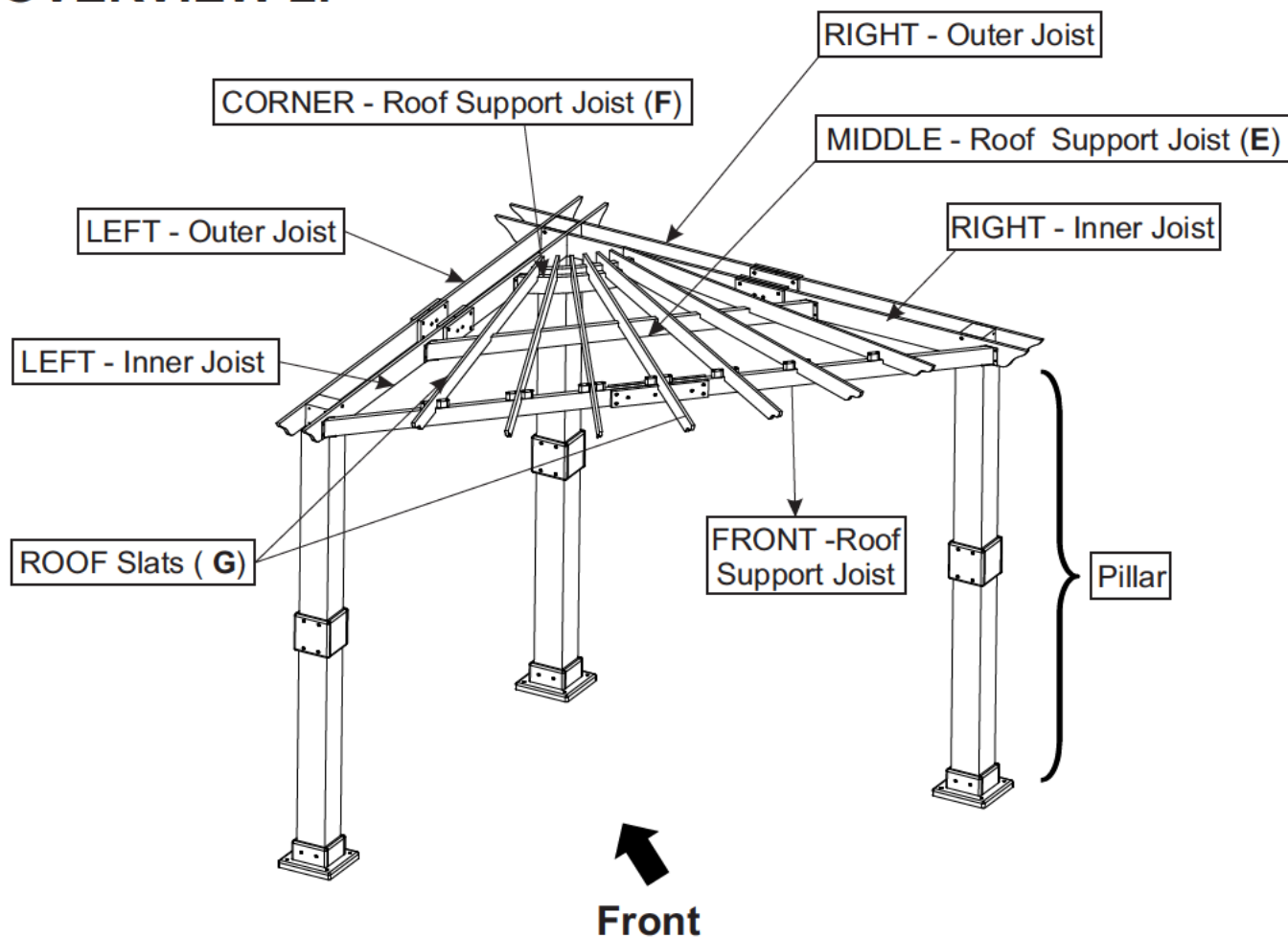
# Assembly Steps

## OVERVIEW 1.



The above image - **OVERVIEW 1** - gives you an overview on all the parts that needs to be **joined and or connected** to become Components that will facilitate towards the assembly, to become a complete Pergola as shown right below in **OVERVIEW 2**.

## OVERVIEW 2.



In image **OVERVIEW 2** above, it is intended to give you an overview on all the **COMPONENTS** that are to be assembled to become the Pergola.



**Read instructions, cover to cover.**



**Have 4-5 adults in the assembly.**



**Do not assemble on flooring or carpet.**



**Assemble on a clean non-marring surface**



**Save all packaging until completion of assembly.**



**2 Ladders are required for assembly.**

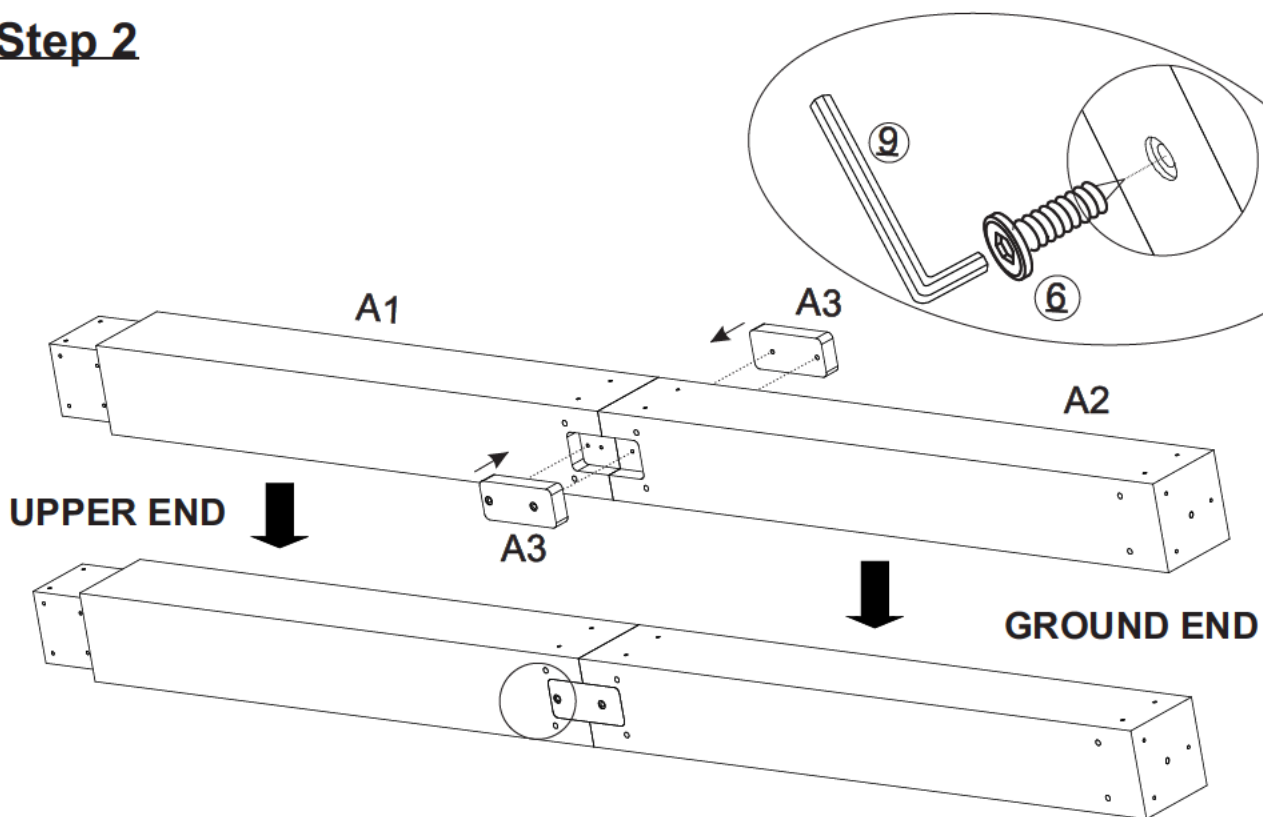


## **Step 1**

As the Pergola is tall, wide and heavy, we recommend :

1. ) That you identify and mark your ideal location where to place / position this Pergola. By so doing, would mean minimal moving about of the partial and or fully assembled Components and Pergola. Moving about the partially assembled Components and or the assembled Pergola can bring about injury and or damage(s) to the Pergola.
2. ) Unpack and place all parts on a Clean and Non-Marring Surface.
3. ) Place all parts in "group / bundle" as recommended above in the above introduction.

## **Step 2**



Place, **Upper Pillar (A1)** to **Lower Pillar (A2)** as shown above.

Affix **Upper Pillar (A1)** to **Lower Pillar (A2)** with the **Post Joint - Key (A3)** and **Screws (6)**. Use the **Allen Wrench (9)**, to affix the screws.

There are a total of **4 ( four ) Screws** to be affixed.

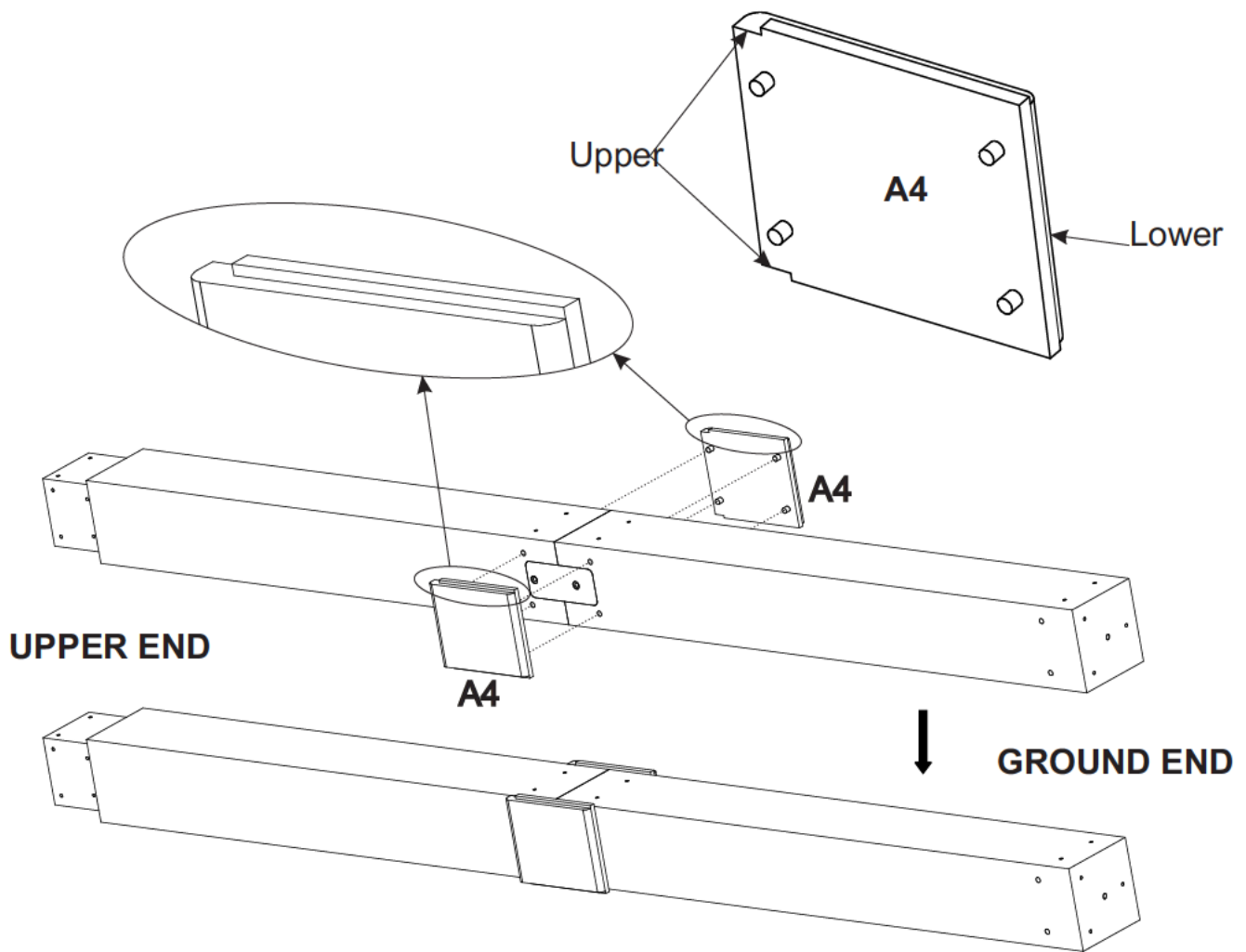
Repeat the same steps for the second piece of **Post Joint Key ( A3 )**.

**Repeat the same steps above for the remaining 2 ( two ) pillars.**

Upon completion, **FULLY SECURE AND TIGHTEN ALL SCREWS**, in this partially assembled Pillar.



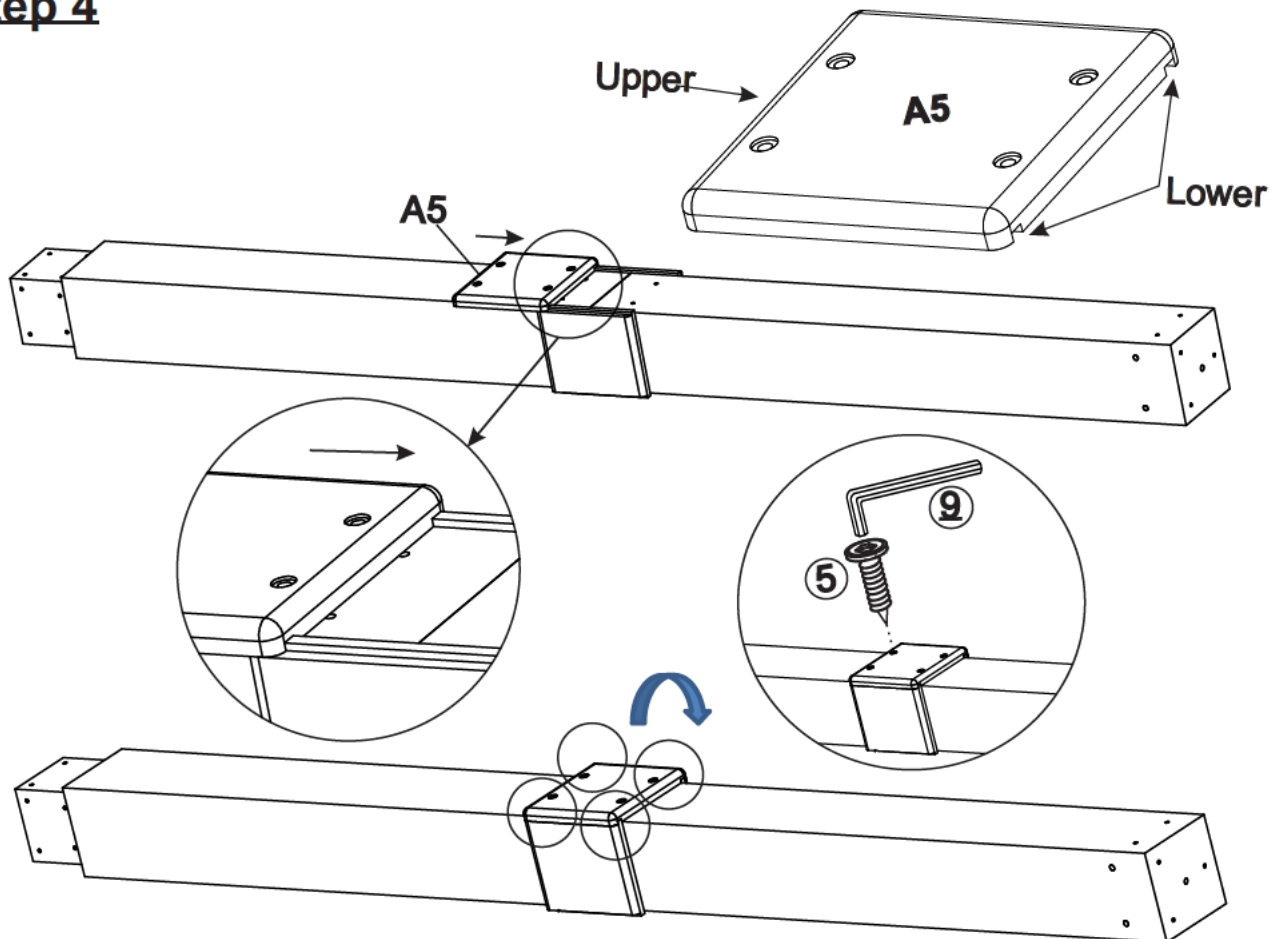
### **Step 3**



There are 2 (two) pcs of **Pillar MID JOINERY - Anchor Panel ( A4 )** slats. **There is a distinct Instep at the Upper portion of this Anchor Panel.** These Mid Joinery panels has **Pre-attached Wooden Dowels**. Ensure there are 4 ( four ) pieces of **pre-attached Wooden Dowels** on each **Anchor Panel** before assembly.

Affix this **Pillar Mid Joinery - Anchor Panel** slat to the **Pillar** as shown above.

## Step 4



Final assembly to the Pillars :

**Slide Panel ( A5 )** has a distinct open groove at the sides of the panel, as shown in the picture.

At this step, One Partner shall hold firmly to the previously attached 2 ( two ) pieces of **MID JOINERY - Anchor Panel ( A4 )** from Step 3.

The other Partner shall place and position **Slide Panel ( A5 )** between the 2 ( two ) pieces of Pillar Mid-Joinery. Push slide this **Slide Panel ( A5 )** to place.

Next, using **Allen Wrench ( 9 )**, proceed to secure **SLIDE PANEL ( A5 )**, with **Screws ( 5 )**, to the Pillar.

**Do not** fully tighten each screw before going on to the next, as this may cause warpage.

Affix these Screws in a sequential manner.

Secure each Screw up to 70% - 80% and move on to the next Screw.

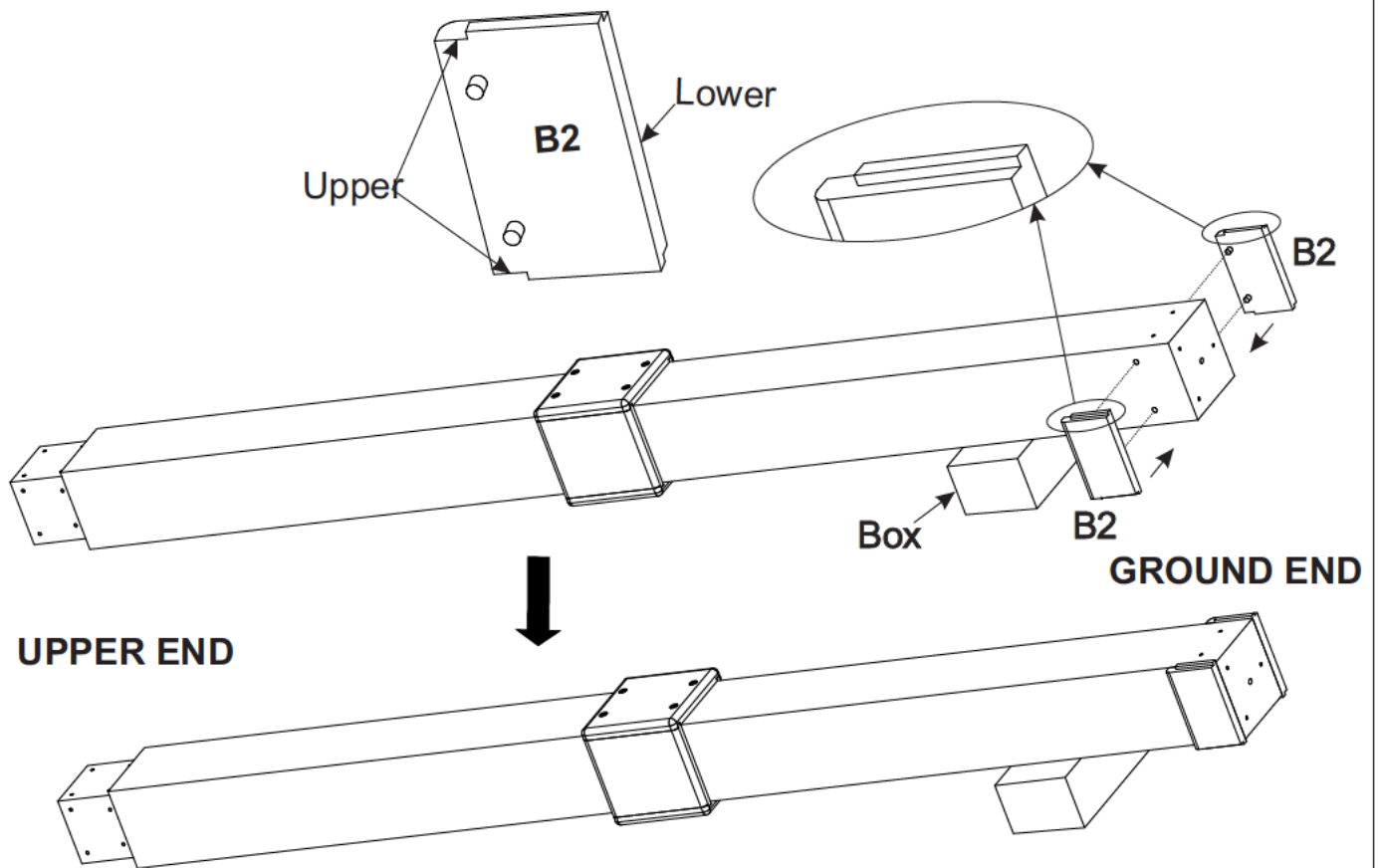
Upon completion assembly of these 4 ( four ) **Screws**, go back to the **First Screw** and in a sequential manner, **FULLY TIGHTEN** all 4 ( four ) **Screws**, to secure this Slide Panel ( A5 ),

Repeat the above same steps in the assembly of the other **Slide Panel ( A5 )**.

Repeat the above same Steps 2 and 3 of assembly, for the remaining 2 ( two ) Pillars.

**FULLY SECURE AND TIGHTEN ALL Screws in ALL 3 ( three ) Pillars, before moving on to Step 5.**

## Step 5



In Step 5, this assembly step is to affix the **FOOT APRON - Anchor Panel (B2)** to the Pillar.

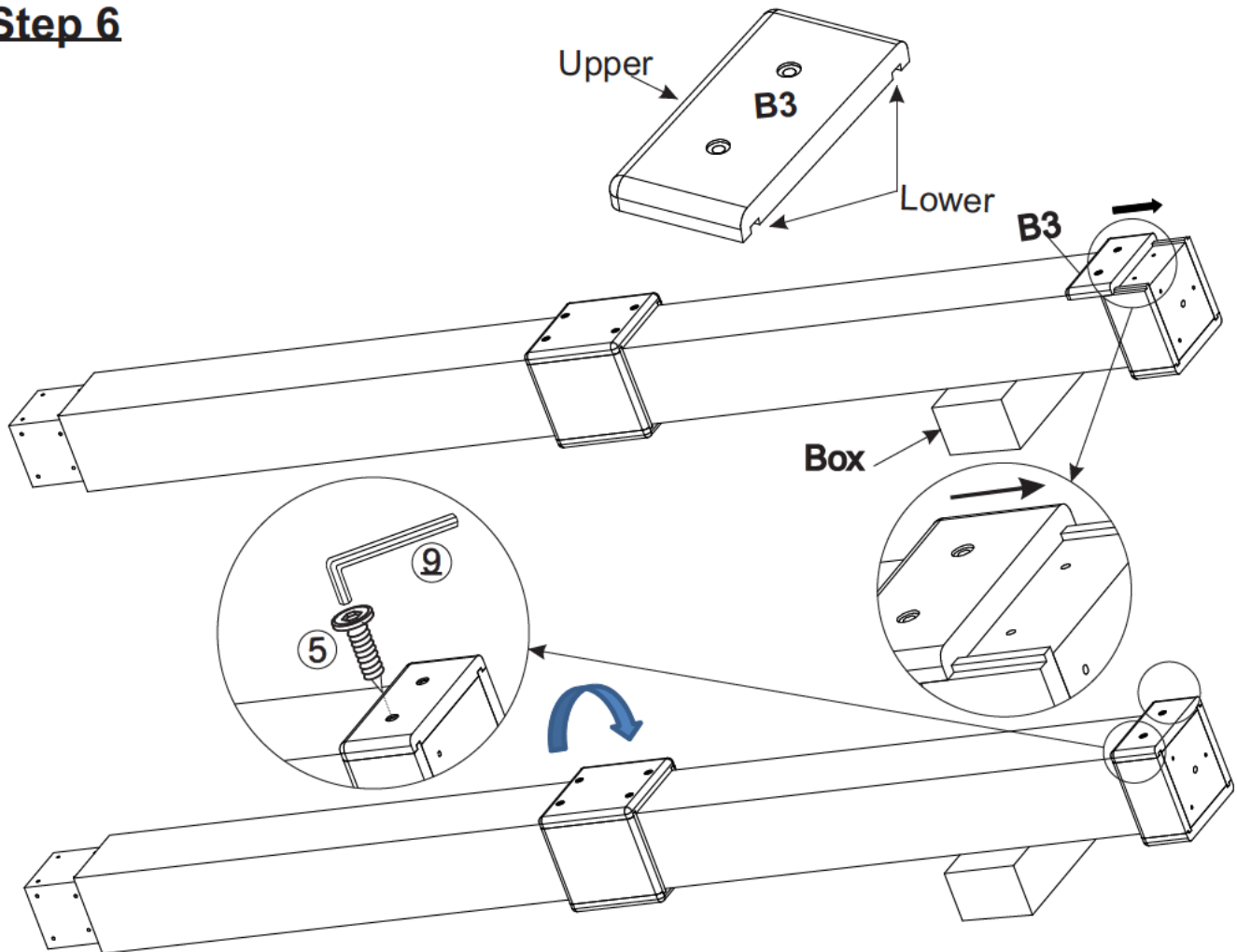
**Each FOOT APRON panel has 2 (two ) Pre-attached Wooden Dowels.**

Each FOOT APRON panel has a distinct Upper and Lower feature.

For ease of assembly, place a box or an object to prop up the Pillar, at the foot base end, as shown above.

Then proceed to attach the **FOOT APRON - Anchor Panel (B2)**, to the **Foot Base of the Pillar**, as shown above.

## Step 6



Here, in Step 6, it would require 2 people to assemble the **Foot Apron**.

At this step, One Partner shall hold firmly to the previously attached 2 ( two ) pieces of **FOOT APRON - Anchor Panel (B2)** from Step 5, above.

The other partner shall place and position the **FOOT APRON - Slide Panel (B3)** between the 2 ( two ) pieces of **FOOT APRON - ANCHOR PANEL ( B2 )**.

**Push slide Foot Apron - Slide Panel ( B3 ) into place,**

Use the **Allen Wrench (9)**, **tighten the Screws (5)**.

There are 2 ( two ) Screws per Slide Panel, tighten these in a sequential manner.

Then turn the **Pillar 180 degrees** and repeat Steps 6 here, to affix the other **Foot Apron - Slide Panel ( B3 )**.

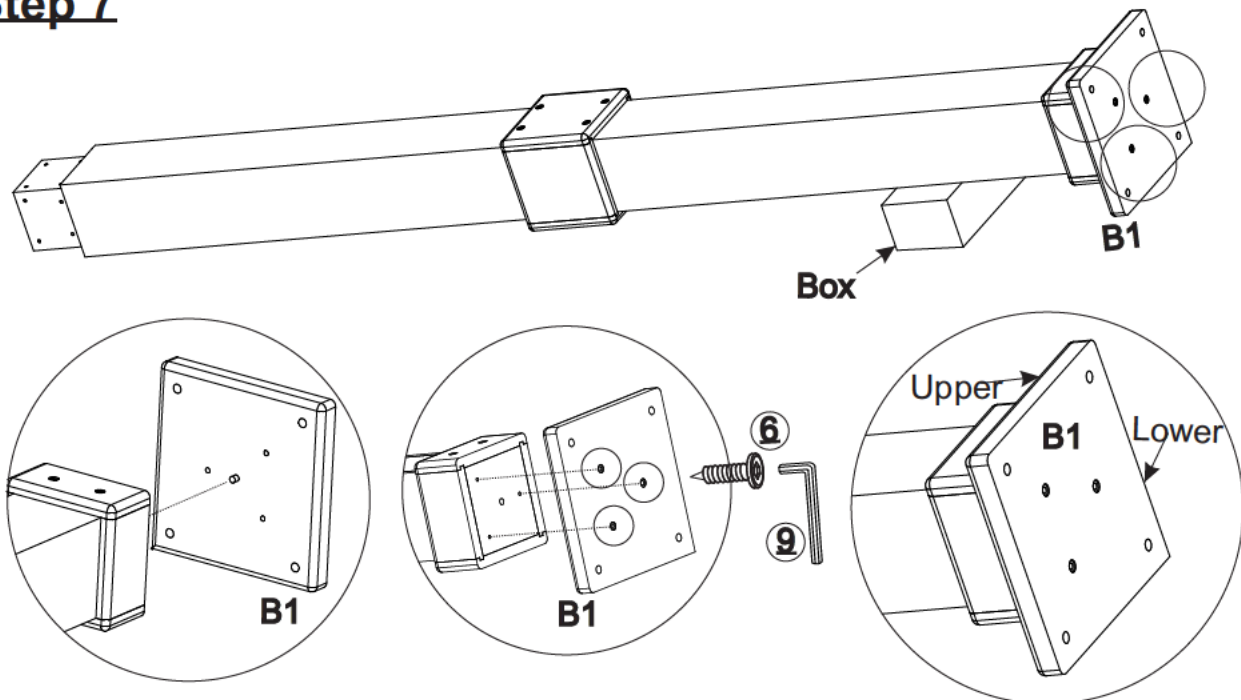
Upon completion - check and **FULLY SECURE and TIGHTEN all 4 ( four ) Screws.**

The next step would be to do the same steps with the remaining 2 ( two ) Pillars.

**Attach all Foot Aprons - Anchor Panels and Foot Aprons - Slide Panels into position.**

**FULLY SECURE AND TIGHTEN ALL SCREWS for all 3 ( three ) Pillars.**

## Step 7



Here, in Step 7, is a single-man job, in the assembly of the **Foot Base to the Pillar**.

Keeping the **Pillar** in the same propped position from above, proceed to attach the **Foot Base ( B1 )**.

Attach the **FOOT BASE ( B1 )** to the Pillar with **Screws (6)**.

Using the **Allen Wrench (9)**, secure and tighten all 3 ( three ) **Screws (6)** into the base of the **Pillar**, as shown above.

**There are a total of 3 Screws to be affixed per Foot Base (B1).**

Repeat this Step 7 for the remaining 2 ( two ) Pillars.

The completion of assembly **Steps 5, 6 and 7** here, is that you now have 3 ( three ) **Pillars**, fully assembled with **Foot Aprons with Foot Base**.

**Ensure all the Screws of these Foot Bases are FULLY SECURED AND TIGHTENED.**

To assist the flow of assembly into a Pergola, you may place each Pillar to the previously marked locations.

## Step 8

### **SAFETY REMINDER :**

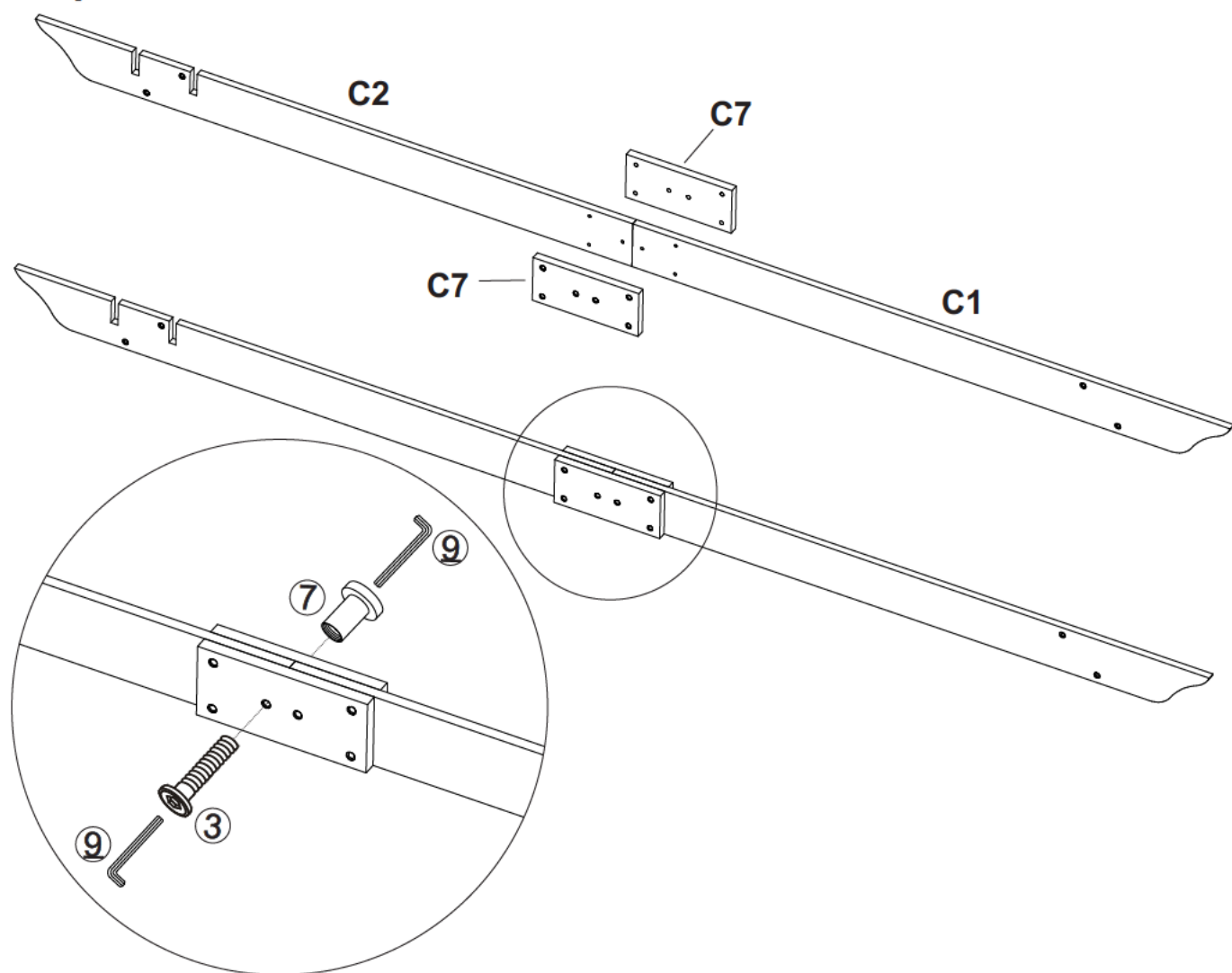
Upon completion at Step 7 above, you would have assembled all 3 (three ) **Pillars, complete with Foot Bases**.

Before moving on to the next part of the **Pergola** assembly, go back and check and **ENSURE ALL BOLTS AND SCREWS at ALL ASSEMBLY POINTS for ALL 3 (three) Pillars, are FULLY SECURED AND FULLY TIGHTENED into position AT ALL POINTS.**

Here below in Step 9 & 10, involves the assembly of the **INNER and OUTER Joist to the Pillars**. The function of the **Inner and Outer Joists** will be attached to the **top of the pillars** to become the core support for the **Roof Slats**.



## Step 9



Here in Step 9, will require your Partner and you to connect 02 ( two ) pieces of Joists together to form the **Right Outer Joists**.

The **OUTER JOIST (C1)** is to be connected to the **OUTER SLOTTED - Joist - Right (C2)**.

**Sandwich the Outer Joist and Outer Slotted with 2 ( two ) pieces of Joinery - Short Joist C7 ), as shown above.**

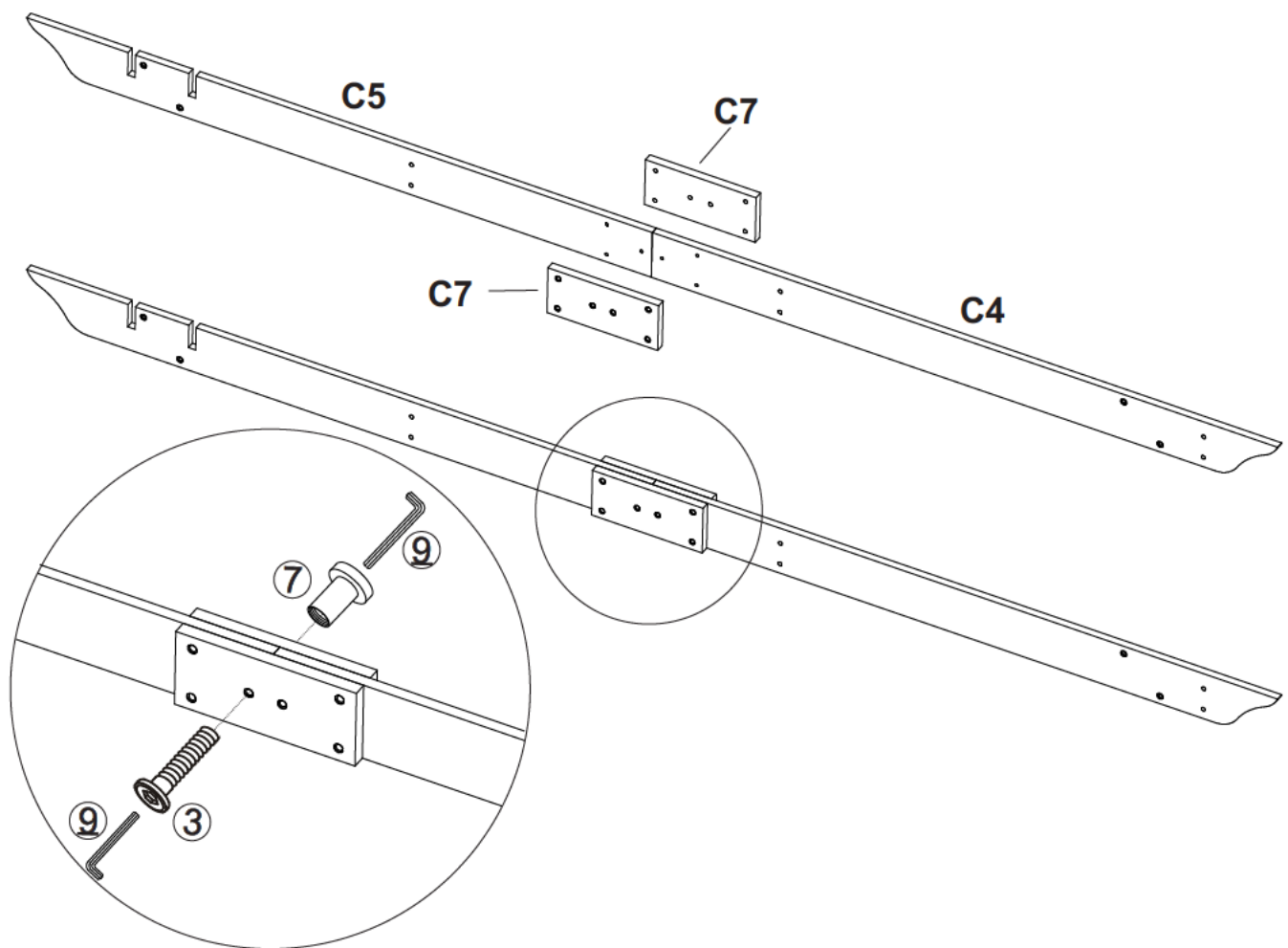
Using **Allen Wrenches (9)**, turn in **Bolt (3)** and **Sleeve Nuts (7)**, as shown above.

There are a total of **6 Bolt** and **6 Sleeve Nuts** to connect and "sandwich" the **Outer Joist** and **Outer Slotted**.

**Upon completion of this Right Outer Joists, place this to the location of Right Outer Joists area, in your marked location.**

**FULLY SECURE AND TIGHTEN ALL BOLTS to THE SLEEVE NUTS.**

## **Step 10**



Here in **Step 10**, will require your Partner and you to **connect 02 ( two ) pieces of Joists** together to form the **Right Inner Joists**

**The INNER JOIST (C4) is to be connected to the INNER SLOTTED - Joist - Right (C5).**

**Sandwich the Inner Joists and Inner Slotted with 2 ( two ) pieces of Joinery - Short Joist (C7 ), as shown above.**

Using **Allen Wrenches (9)**, turn in **Bolt (3)** and **Sleeve Nuts (7)**, as shown above.

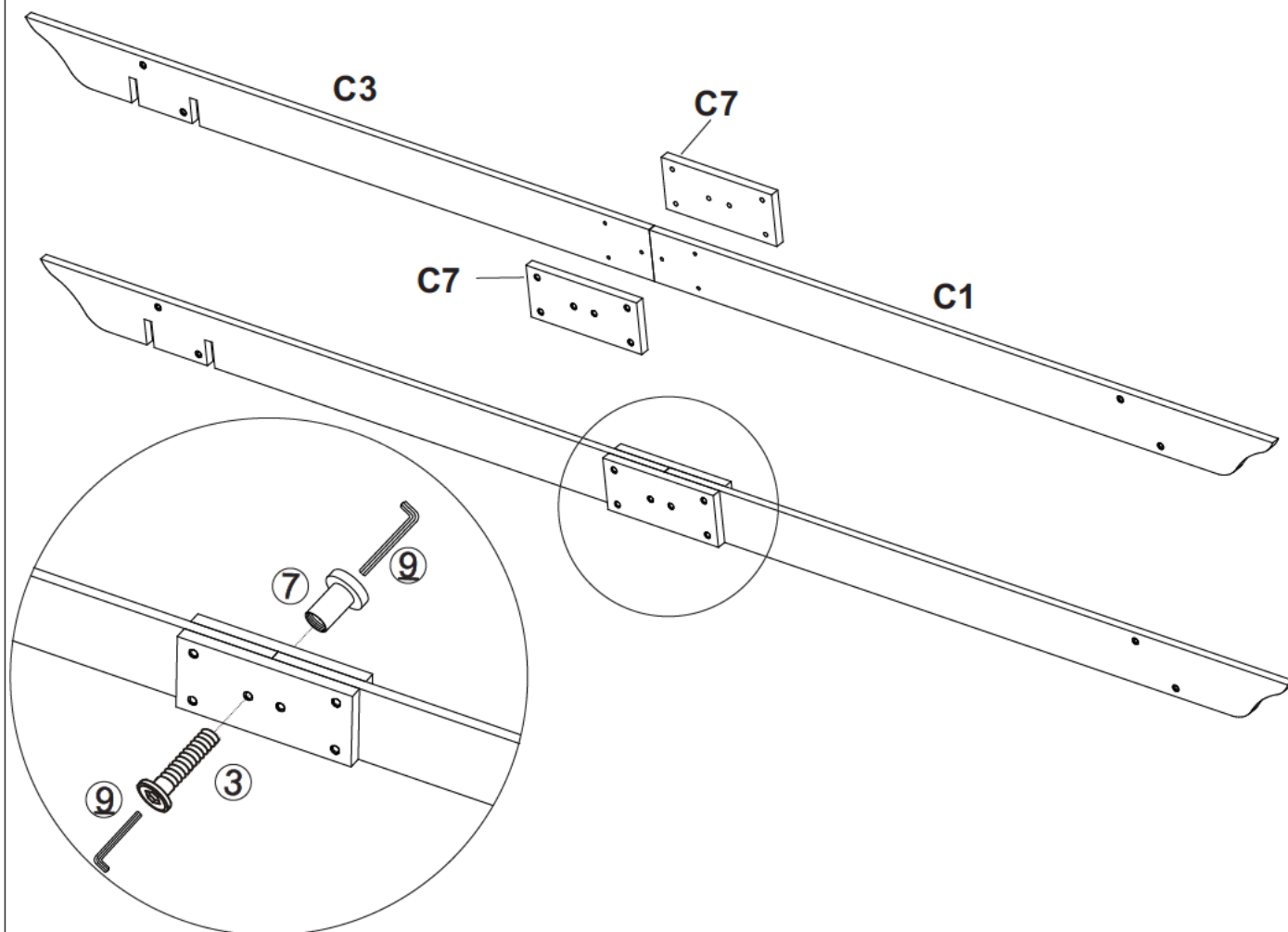
There are a total of **6 Bolts** and **6 Sleeve Nuts** to **connect and "sandwich"** the **Outer Joist** and **Outer Slotted**.

**Upon completion of this Right Inner Joists, place this to the location of Right Inner Joists area , in your marked location.**

**FULLY SECURE AND TIGHTEN ALL BOLTS to THE SLEEVE NUTS.**



## **Step 11**



**Here in Step 11, will require your Partner and you to connect 02 ( two ) pieces of Joists together to form the **Left Outer Joists****

The **OUTER JOIST (C1)** is to be connected to the **OUTER SLOTTED - Joist - Left (C3)**.

**Sandwich the Outer Joists and Outer Slotted with 2 ( two ) pieces of Joinery - Short Joist C7 ), as shown above.**

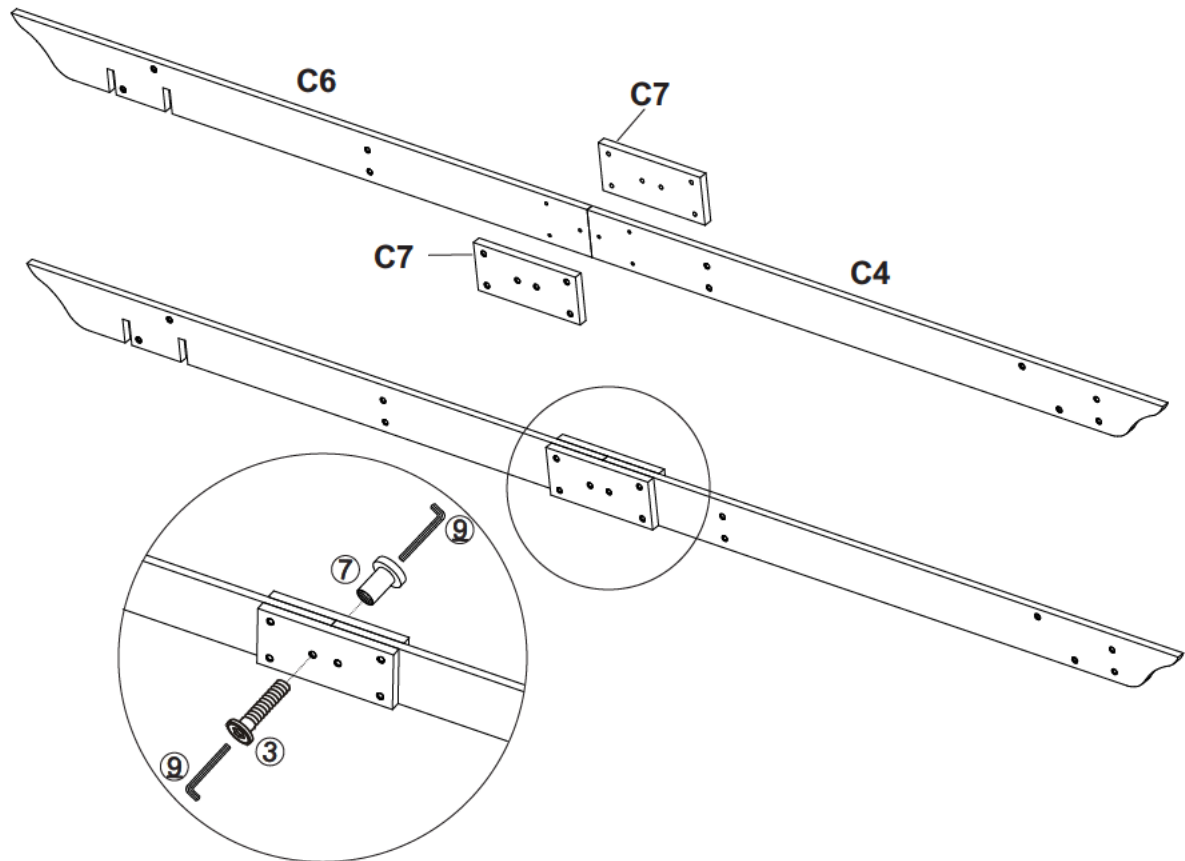
Using **Allen Wrenches (9)**, turn in **Bolt (3)** and **Sleeve Nuts (7)**, as shown above.

There are a total of **6 Bolt** and **6 Sleeve Nuts** to connect and "sandwich" the **Outer Joist and Outer Slotted**.

**Upon completion of this Left Outer Joists, place this to the location of Left Outer Joists area in your marked location.**

**FULLY SECURE AND TIGHTEN ALL BOLTS to THE SLEEVE NUTS.**

## **Step 12**



**Here in Step 12**, will require your Partner and you to **connect 02 ( two ) pieces of Joists** together to form the **Left Inner Joist**.

The **INNER JOIST (C4)** is to be connected to the **INNER SLOTTED - Joist - Left (C6)**.

**Sandwich the Inner Joist and Inner Slotted with 2 ( two ) pieces of Joinery - Short Joist C7** ), as shown above.

Using **Allen Wrenches (9)**, turn in **Bolt (3)** and **Sleeve Nuts (7)**, as shown above.

There are a total of **6 Bolt** and **6 Sleeve Nuts** to **connect and "sandwich"** the **Inner Joist and Inner Slotted**.

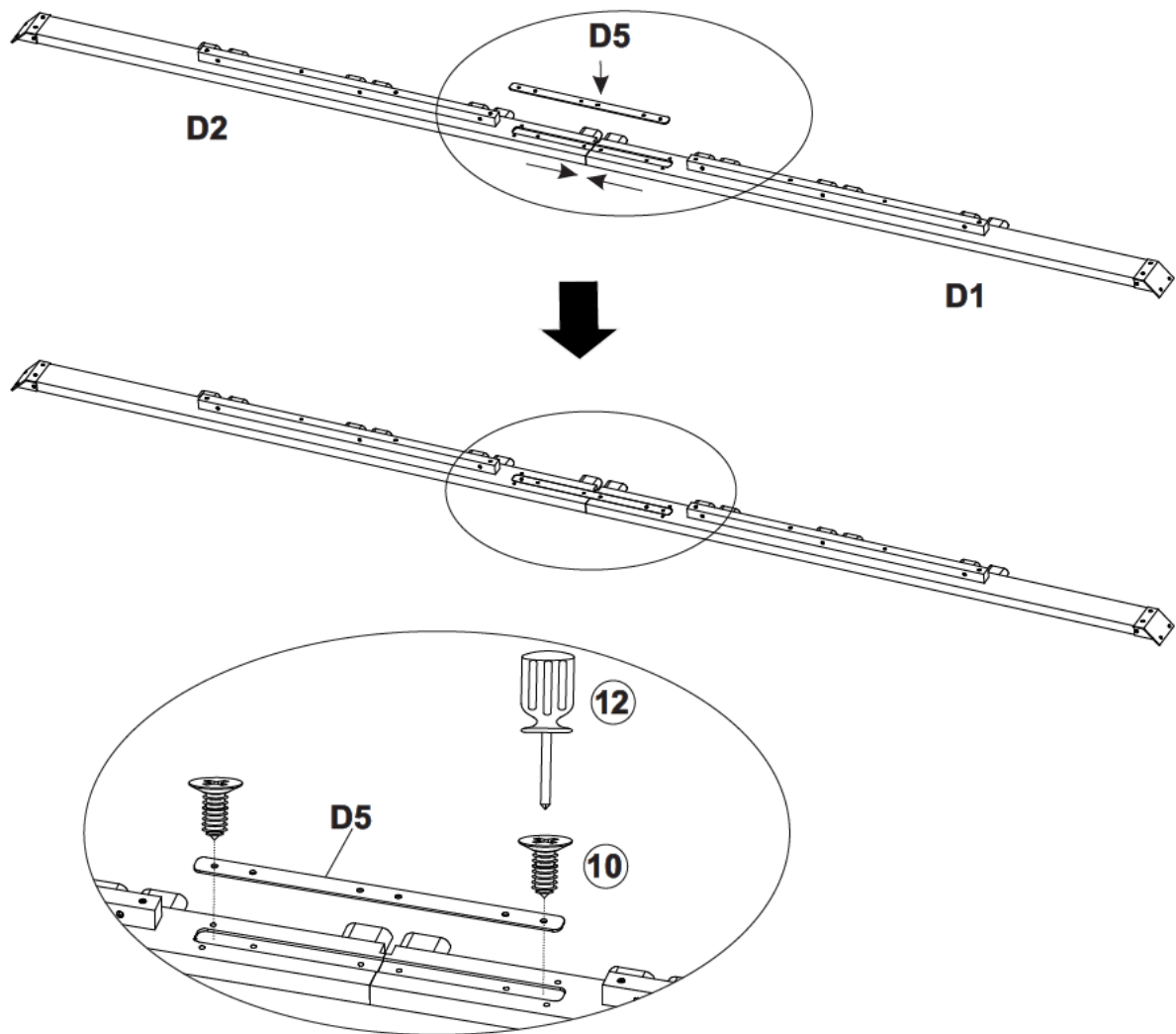
Upon completion of this **Left Inner Joists**, place this to the location of **Left Inner Joist** , in your marked location.

**FULLY SECURE AND TIGHTEN ALL BOLTS to THE SLEEVE NUTS.**

**Note 10 :** Steps 13 and 14, herebelow, are steps to assemble to **FRONT - Roof Support Joist**.

It is a 2 ( two ) step process as it has a double secure locking system.  
Step 13 involves the locking a **METAL CLEAT ( D5 )** into place.  
Step 14 involves the locking into position of **WOODEN KEY** Joist.

## **Step 13**



Step 13 here involves the assembly of the **FRONT - Roof Support Joist ( Front Left and Front Right )**.

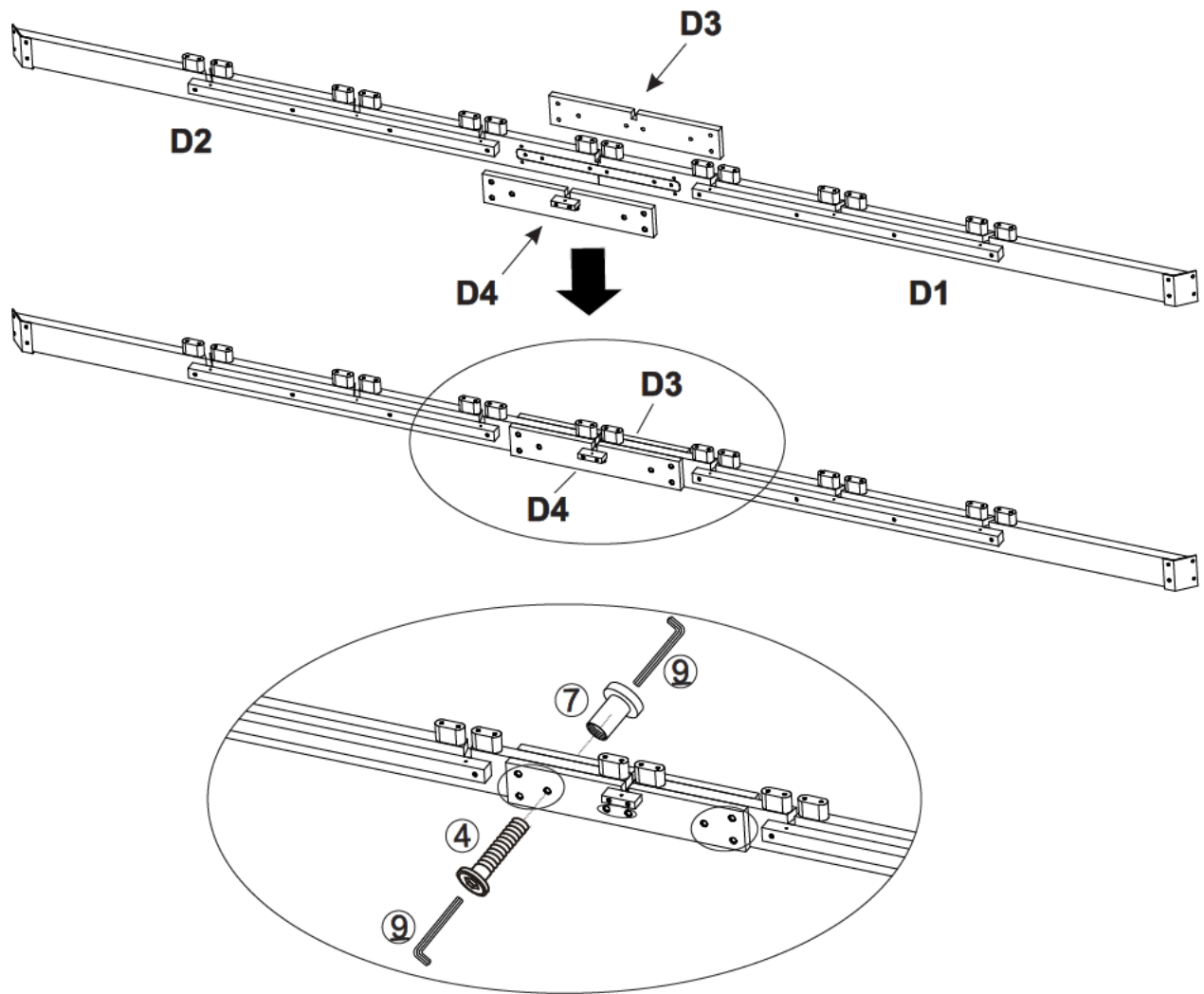
These 2 ( two ) panels of Front Left and Front Right Joists are connected together using the **METAL CLEAT ( D5 )**.

Use **Screws (10)** and **Screw Driver (12)**, **NOT PROVIDED**,  
Drive the Screw 'floorwards', as shown above.

**There are a total of 2 Screws to connect METAL CLEAT with Front Left Support Joist and Front Right Support Joist.**

**FULLY SECURE AND TIGHTEN ALL SCREWS.**

## Step 14



Step 14, takes you to assemble the second secure system for the **FRONT - Roof Support Joists**.

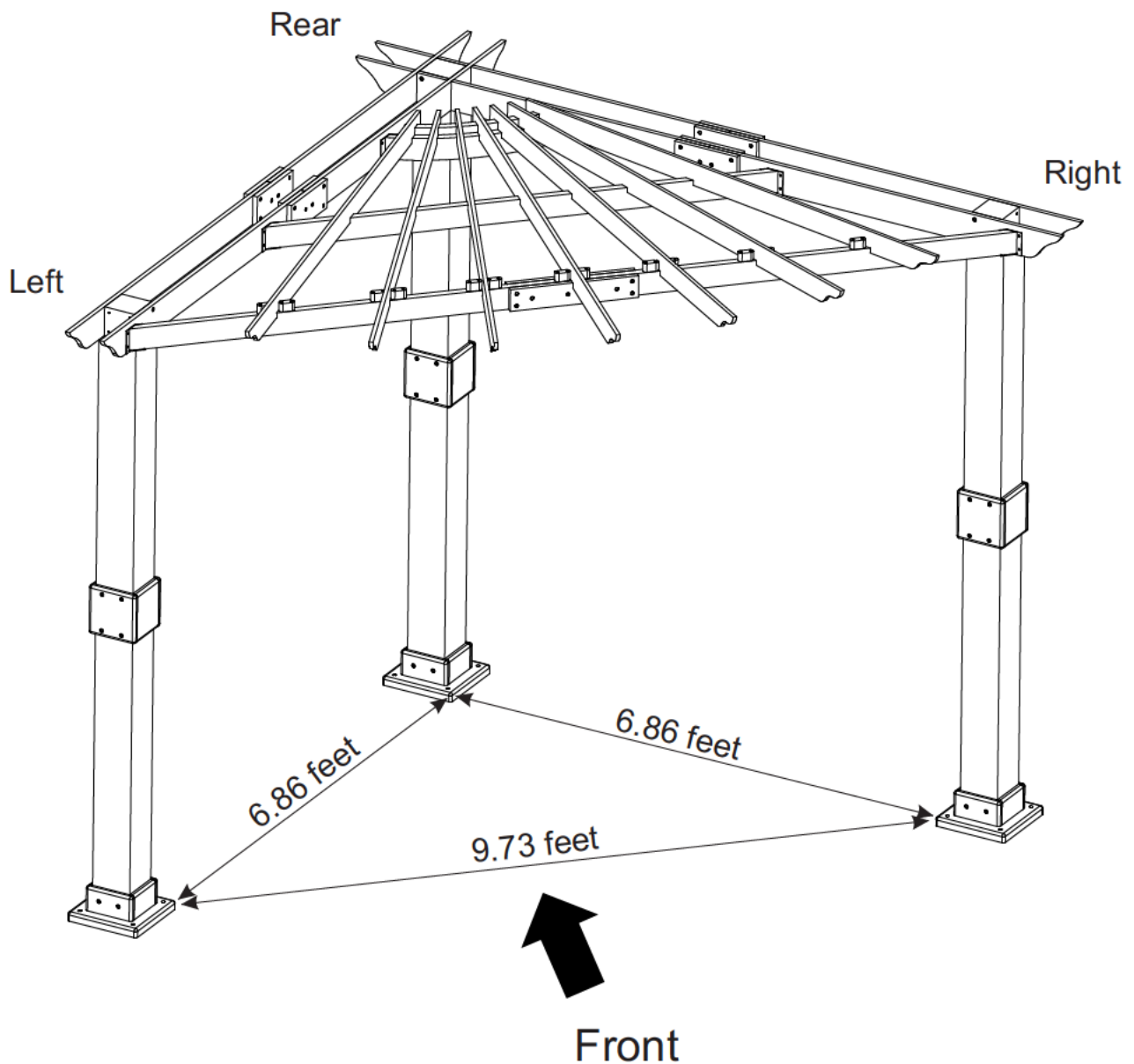
With assistance from your adult partner, turn the **FRONT - Roof Support Joists 90 degrees** then affix the **FRONT - Roof Support Joist** by "joining and connecting" with 1 (one ) piece of **Front Joist Joint - Key (D4)** and 1 ( one ) piece of **Front Joist Joint - Long (D3)**.

These 3 layers of **Joists** are then **bolted together** using **Bolts (④)**, **Sleeve Nuts (⑦)** by using **Allen Wrenches (⑨)**, as shown above.

There are a total of **8 Bolts and 8 Sleeve Nuts to be affixed at this connected joint.**

**FULLY SECURE AND TIGHTEN BOLTS AND SLEEVE NUTS in ALL 8 ( eight ) positions.**

## Step 15

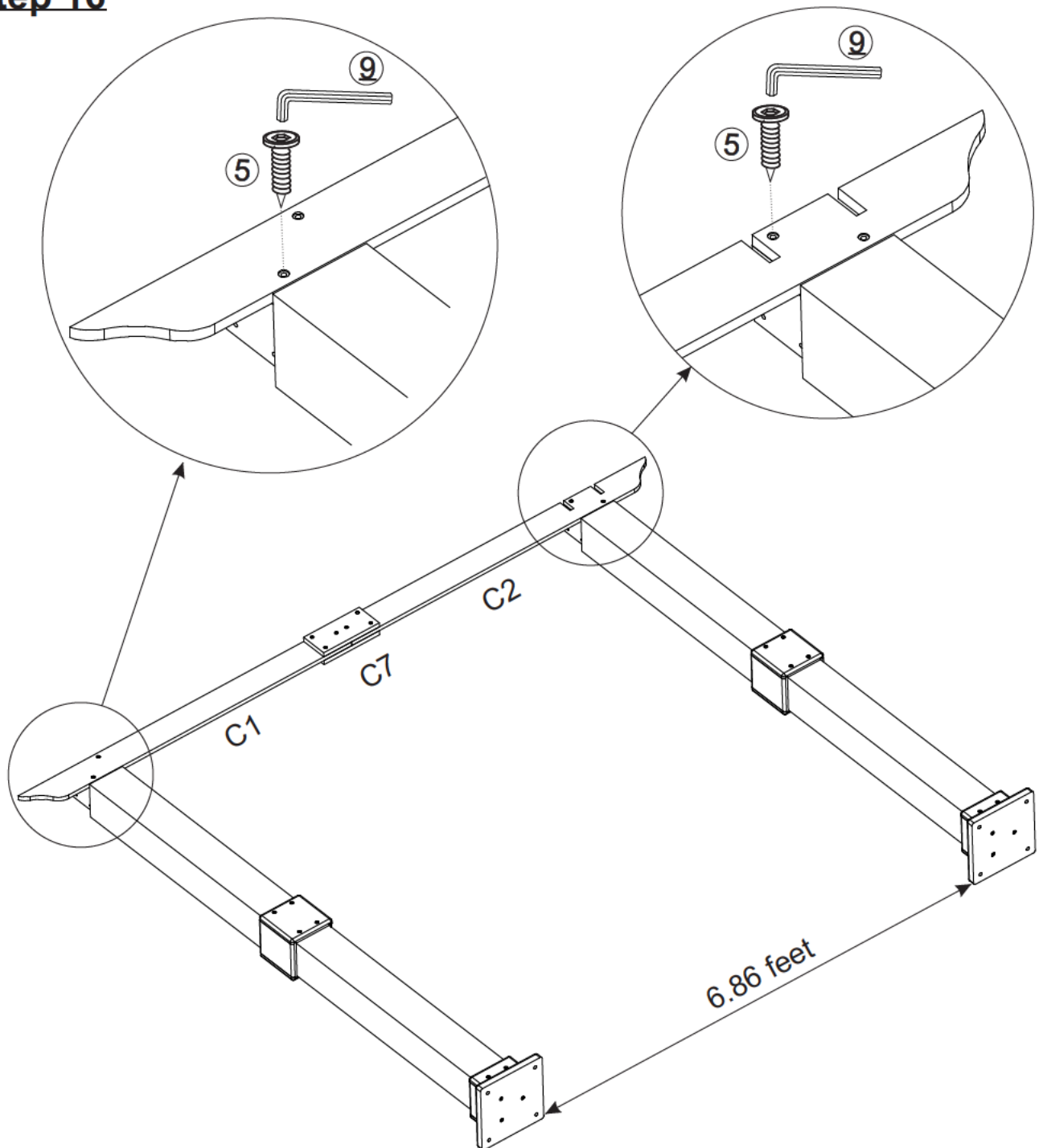


By now, if your ideal location to place / position the Pergola has not been marked, it is recommended that this is done so, **now**.

The Pergola is tall, wide and heavy. Therefore, to avoid any injury and or damage to the Pergola, **it is best to assemble the Pergola closest to your ideal location.**

The measurement on ground is as indicated here in Step 15, above.

## Step 16



Here, in Step 16, it is recommended to have 3 (three ) adults at hand, to facilitate the assembly and putting into position the partially assembled Pergola panel.

With assistance from your adult partners, position 2 ( two ) pcs of Pillars approximately 7 (seven ) feet apart, closest to your marked ideal location.

Pick up the pre-assembled **RIGHT - Outer Joists**, from Step 9, and place to the **Insteps at the Top of the 2 ( two ) Pillars**.

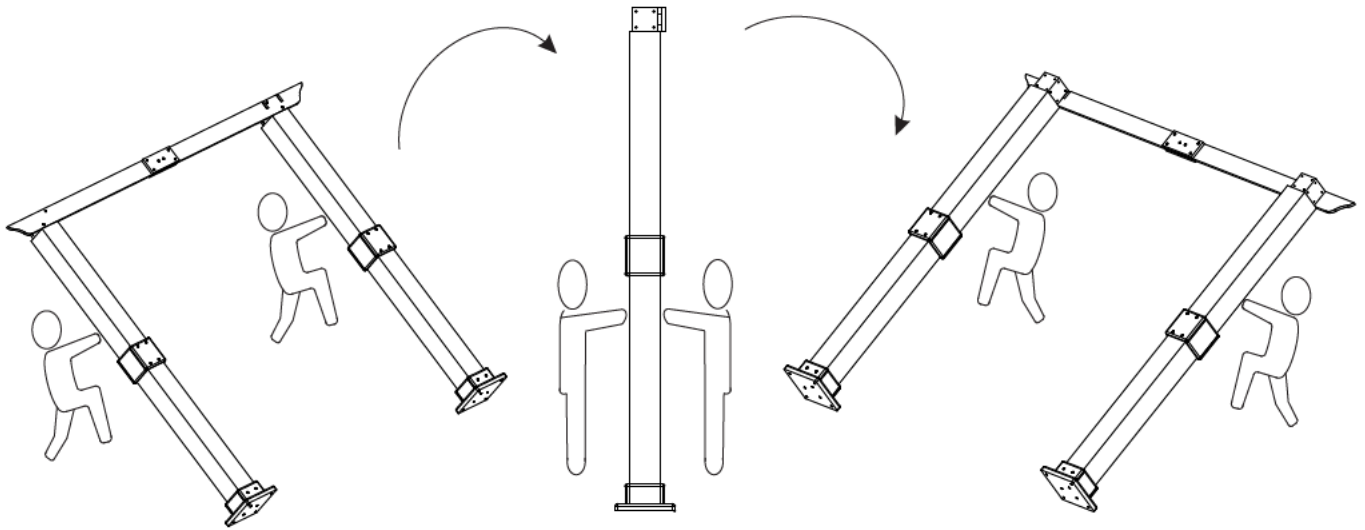
Using **Screws (5)** and **Allen Wrench(9)**.

There are a total of **4 Screws to be affixed**.

**FULLY SECURE AND TIGHTEN ALL 4 ( four ) points**, as shown in the picture.



## Step 17



17.1 ) Lift the partially assembled Pergola (**by the Pillar area**), that is lying Horizontal on the ground.

17.2 ) Stand the partially assembled Pergola at 90degrees to the ground.

17.3 ) Gently and slowly lower the partially assembled panel to the ground to allow for the other Joists to be attached to the Pillar.

Upon completion of the **RIGHT OUTER Joist** to the Pillar - you will now have the **Pergola RIGHT PANEL** assembled.

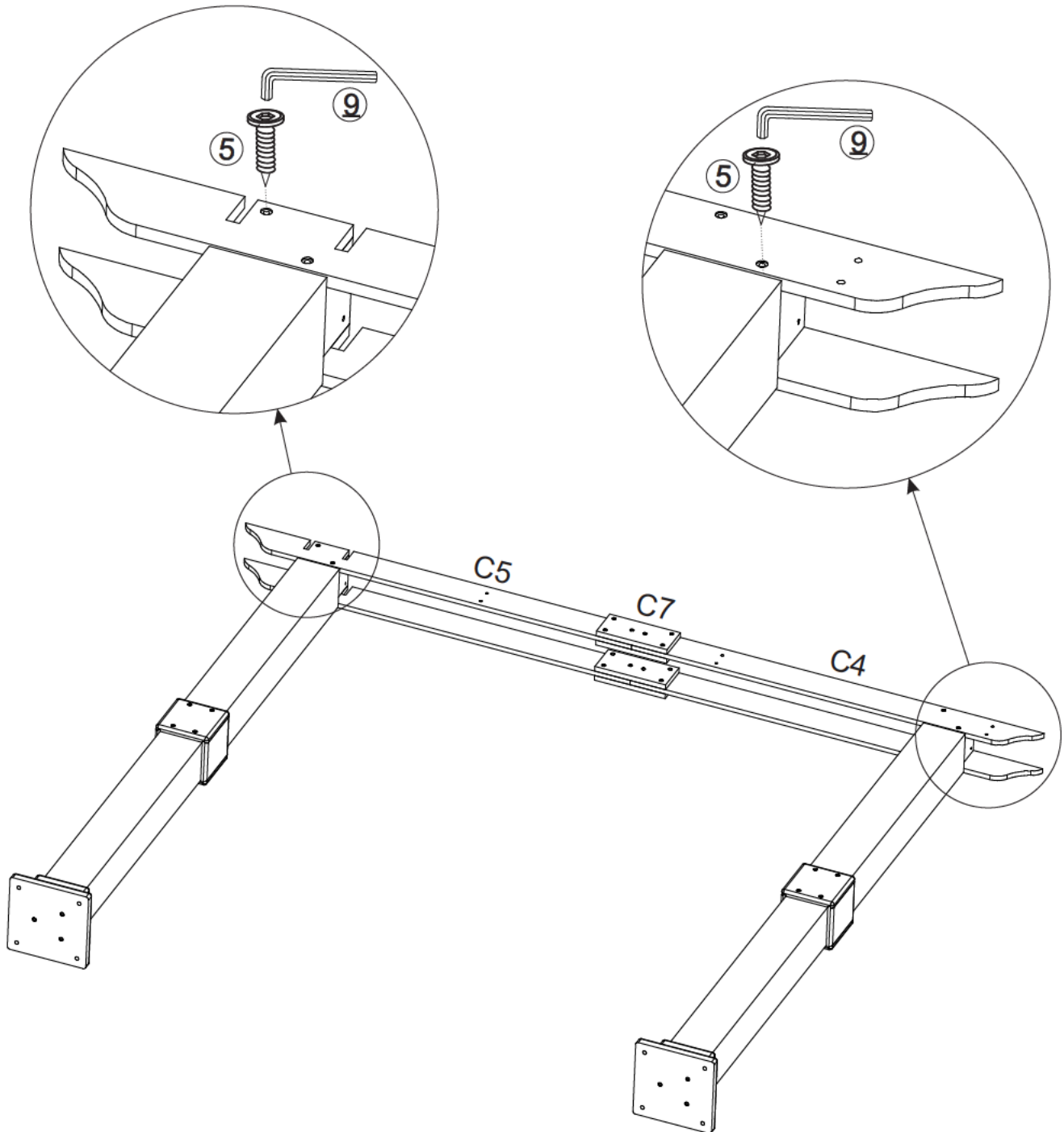
17.1. ) Gently and slowly lift at **Panel to the position of 90degrees.**

17.2. ) Upon reaching the 90degrees position, slowly and gently lay the partially assembled Pillar with Joist, horizontally to ground, to allow for the **RIGHT INNER Joist ( from Step 10 )** to be attached in here below Step 18.

17.3 ) Gently and slowly lower the partially assembled panel to the ground to allow for the other Joists to be attached to the Pillar.



## Step 18



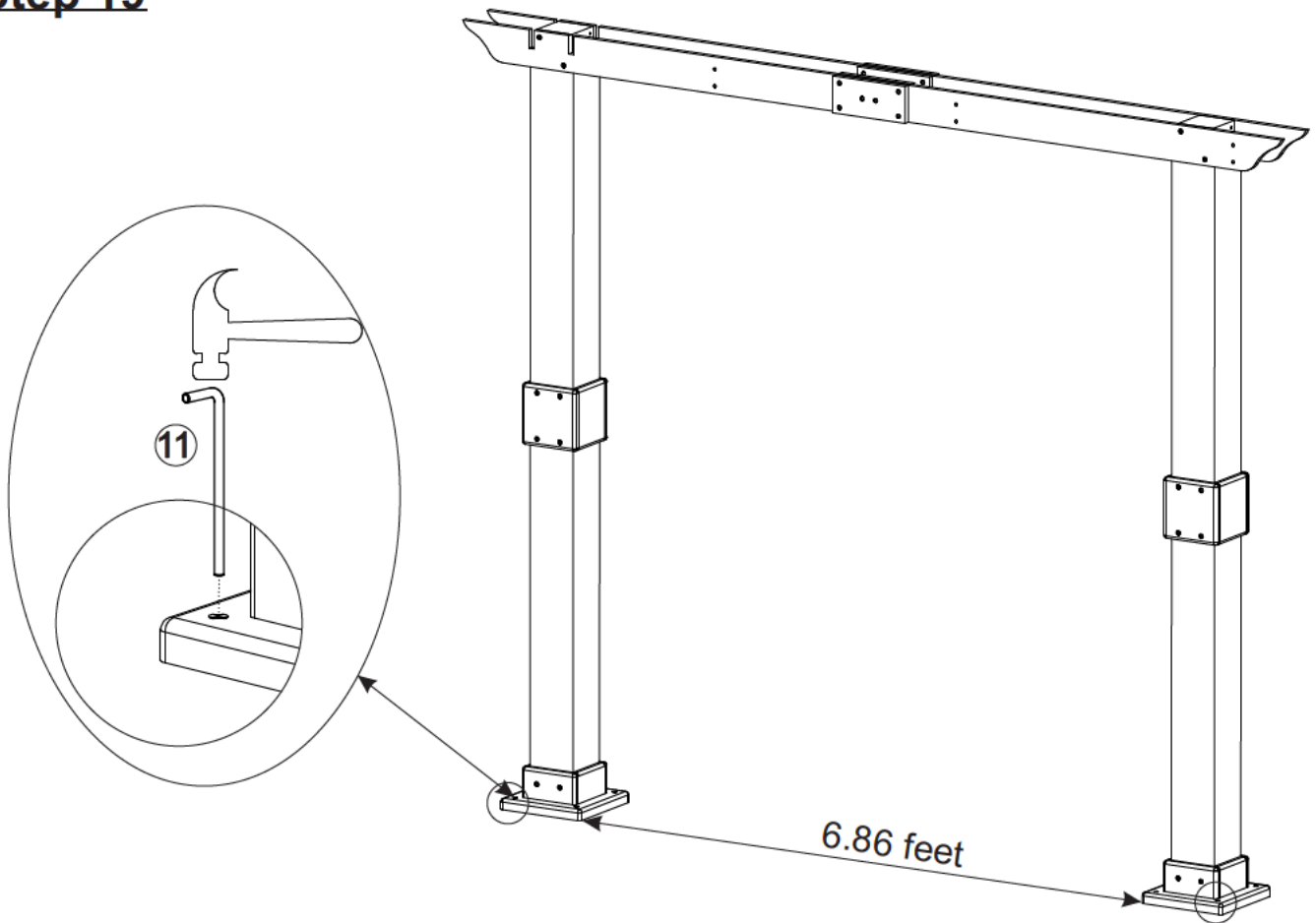
Upon placing the partially assembled **RIGHT Panel of the Pergola** onto the ground, proceed to fix the **RIGHT INNER Joists**.

There are a total of **4 ( four )** points. Affix using **Screws (5)** and **Allen Wrench (9)**.

There are a total of 4 Screws to be affixed.

**FULLY SECURE AND TIGHTEN ALL SCREWS.**

## Step 19



With assistance from your adult partners, slowly and carefully, stand upright the, **RIGHT - Pergola Panel**.

**This Pillar Panel would require 4 (four) pcs of Garden Stakes ( NOT provided) per Pillar that needs to be staked into the ground to keep the Pillar affixed into the ground.**

Next, proceed to stake the **Pergola Right Panel** into the ground at your marked ideal location.

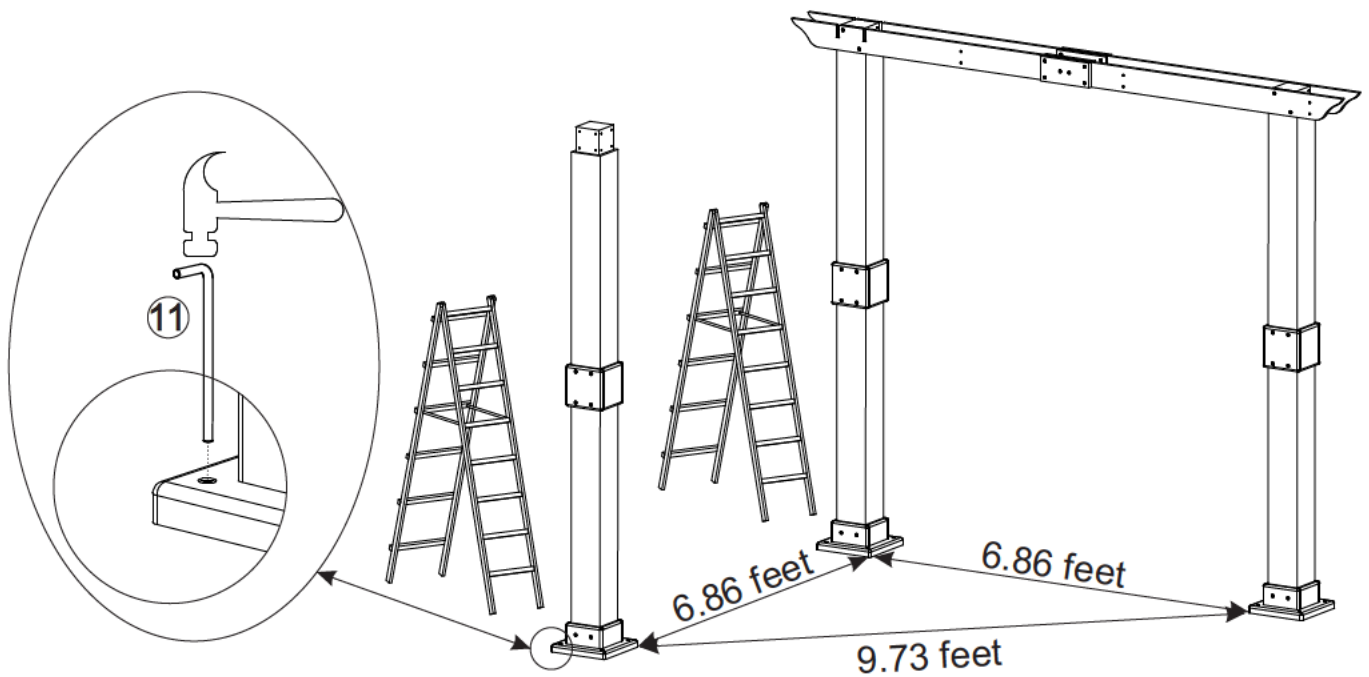
Using a **Hammer or a Mallet**, gently hammer the **Garden Stakes, between 70% to 80%** into the ground, as pictured above.

Check for alignment, then fully stake the **Pergola - Right Panel** into the ground.

**NOTE 11 :** The posts should be at right angle, cannot be tilted or slanted.  
This Garden Stakes Hardware - are NOT provided.  
The above Garden Stake visual hardware is for illustration purpose and is for Grass Ground Surface only.

**NOTE 12 :** Garden Stake or Post Mounting Hardware on NON GRASS GROUND surface is NOT INCLUDED / NOT PROVIDED in this kit.  
You need to confirm with your local hardware store to determine the correct hardware, on other surfaces.

## Step 20



In Step 20 here, it is recommended that a 4(four) man team is effective, to get the Pergola assembled.

Additionally, **2 Step Ladders** are needed, 2 ( two ) adult partners would be required to be on the Step Ladders.

The 3rd ( third ) partner is recommended to assist to hold / keep the **Pillar** stable.

The 4th ( fourth ) partner to handle and hand ,to the adult partners, the **Joists to be assembled to the Pillars**.

With the help of your adult partners, stand the **LEFT - 3rd ( third ) Pillar** from STEP 8, to the marked ideal location for the 3rd ( third ) Pillar.

Check and assess that this **LEFT - 3rd ( third ) Pillar** is aligned to the previously hoisted **RIGHT - Pergola panel**.

Once in position, use a Hammer or a Mallet, gently hammer the **Garden Stakes ( 11 ) ( NOT PROVIDED )**, 4 ( four ) pcs, stake between 70% to 80% into the ground.

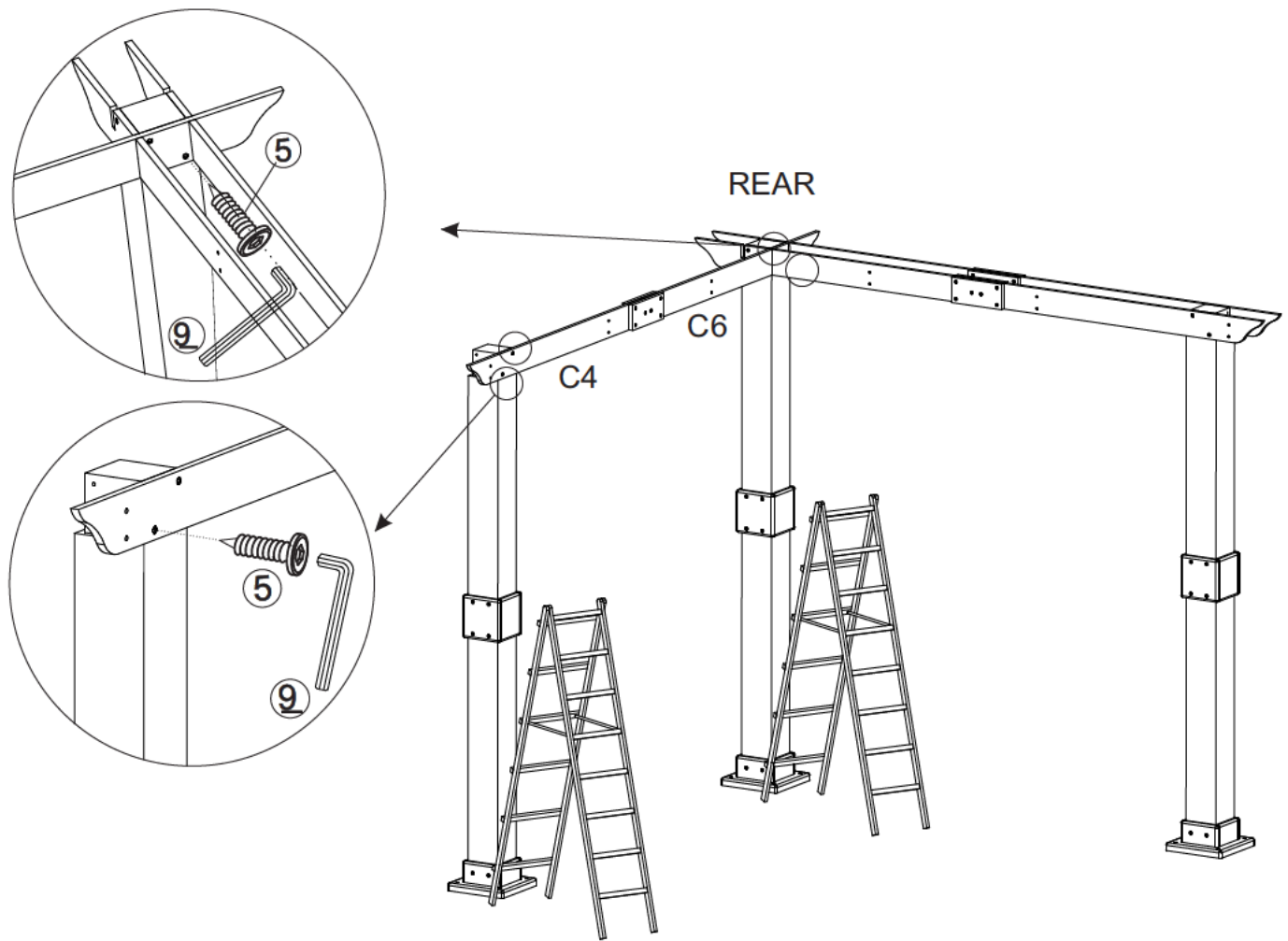
Upon completion of your assessment \*, proceed to hammer the **Garden Stakes ( 11 ) ( NOT PROVIDED )**, fully into the ground.

( \*. Note 13 : **DO NOT** stake in the Garden Stakes if the Pillars are **NOT ALIGNED**. )

The **Pillars** should be at right angle, and not tilted or sloped.

If the **Pillars** are **NOT ALIGNED**, it may lead to the **Roof Support Joists** and the **Roof Slats** being unable to be attached.

## Step 21



**Here in Step 21**, this step is a **3-man team** assembly.

There will be 2 ( two ) partners on the 2 ( two ) Step Ladders, positioned at / near the **REAR** and **LEFT** Pillars .

**The 3rd partner**, on the ground, will hand the relevant component to be assembled..

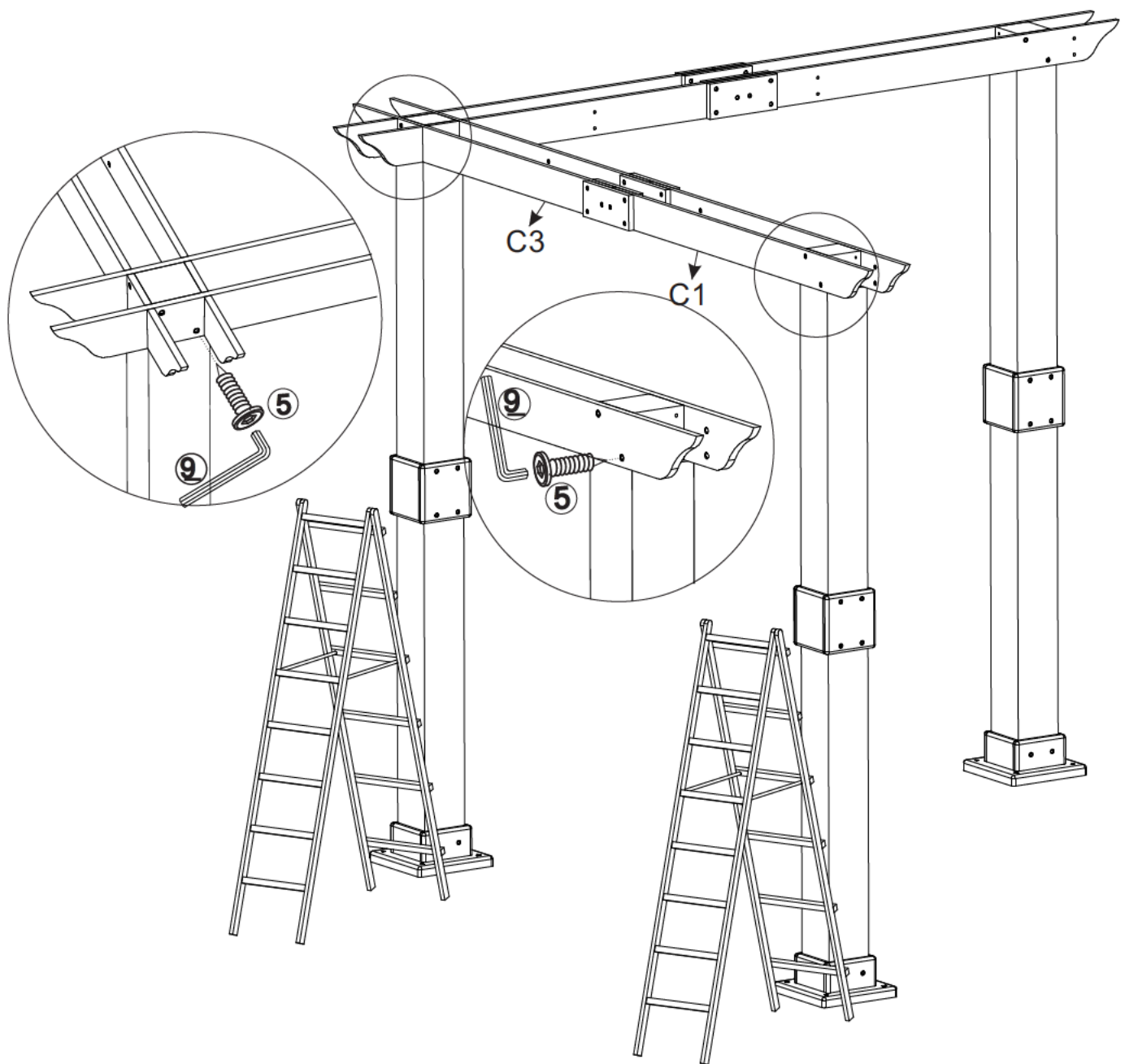
Upon the 2 partners on the Step Ladders are being well positioned, the 3rd ( third ) partner on the ground shall hand over the **LEFT - INNER Joists**.

**The LEFT INNER JOIST** is attached using **Screws (5)** and **Allen Wrench (9)**.

There are a total of **4 Screws** to be affixed.

**FULLY SECURE AND TIGHTEN ALL SCREWS.**

## Step 22



Here in Step 22, the 3rd ( third ) partner will hand to the adult partners, the **LEFT - OUTER JOIST**, due the 2 ( two ) partners are on the 2 ( two ) Step Ladders.

Affix this **Outer Joists** to the **Pillars** by using **Screws (5)** and **Allen Wrench (9)**.

There are a total of 4 ( four ) **Screws** to be affixed.

**FULLY SECURE AND TIGHTEN ALL SCREWS.**



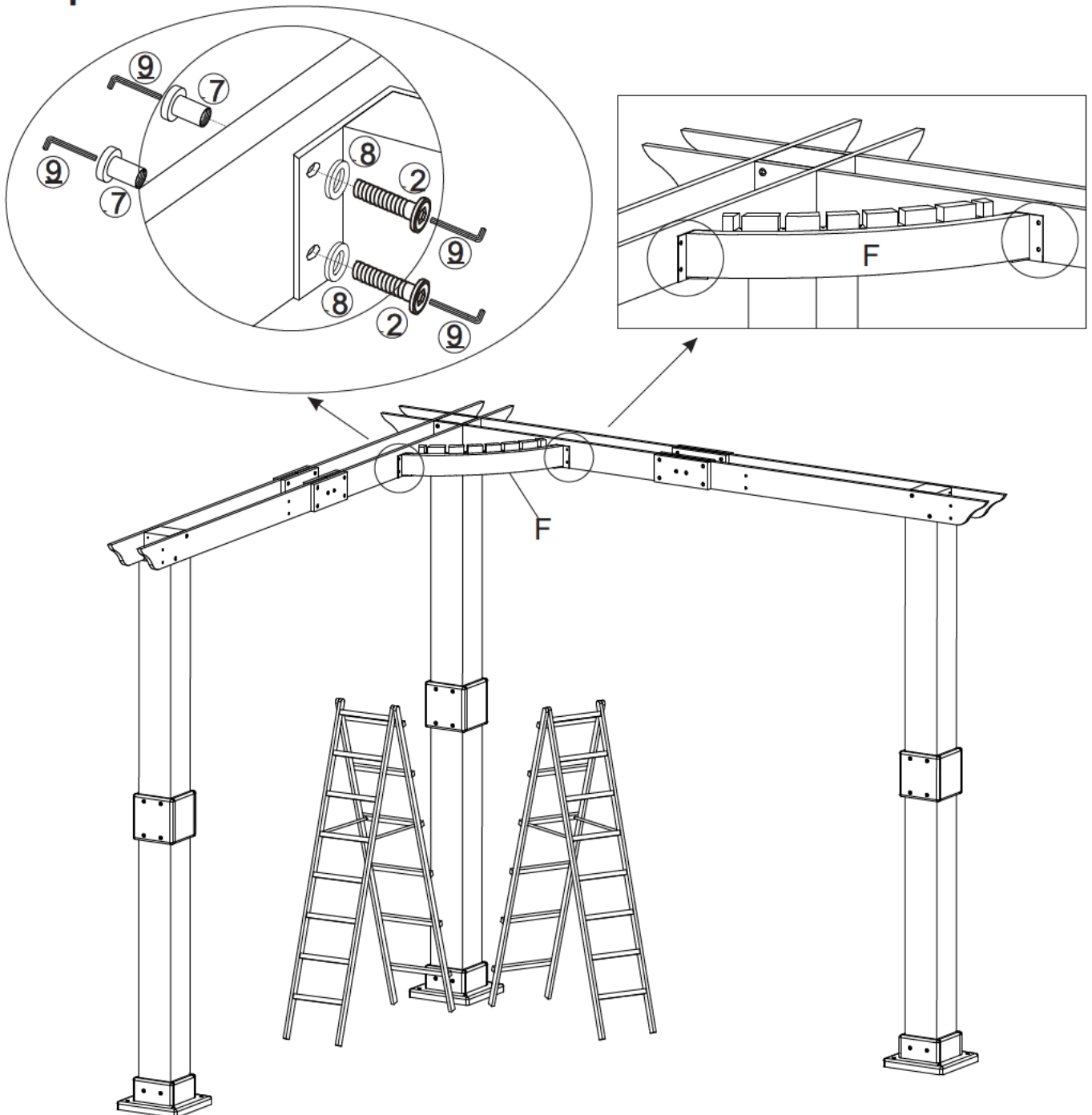
## Step 23 - REMINDER STEP

Throughout all of the above assembly steps, you have been guided to **FULLY SECURE and TIGHTEN all Bolts and Screws.**

At this juncture, **DO NOT PROCEED to the next step, instead, proceed to INSPECT AND ENSURE THAT ALL BOLTS, SLEEVE NUTS AND SCREWS ARE FULLY SECURED AND TIGHTENED.**

Upon satisfactory inspection and confirmation that all Bolts and Screws are **FULLY SECURED AND TIGHTENED**, only then, proceed to the next step.

## Step 24



With assistance from your adult partners, re-position the Step Ladders, as indicated above, for better access and for connection of the **CORNER - ROOF SUPPORT JOIST ( F )**, to both the **RIGHT and LEFT Inner Joists**.

To avoid any deformation to the angle point of assembly, both partners **MUST connect this CORNER - Roof Support Joist, TOGETHER AND AT THE SAME TIME**. IF one side of the Corner Joist is attached first then the other, it may cause some deformation at the angle of assembly.

Connect the **CORNER - ROOF SUPPORT JOIST (F)** component to both the **LEFT and RIGHT - INNER JOISTS**, as indicated above.

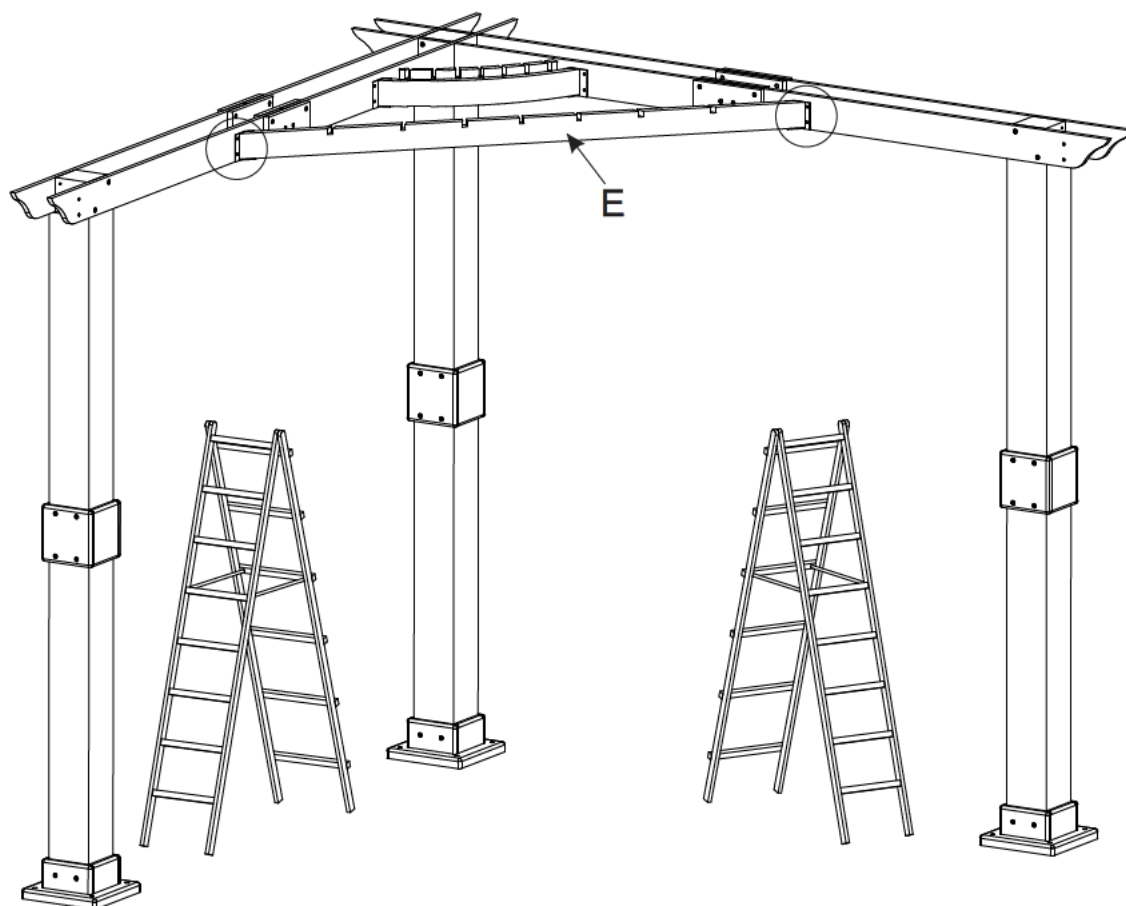
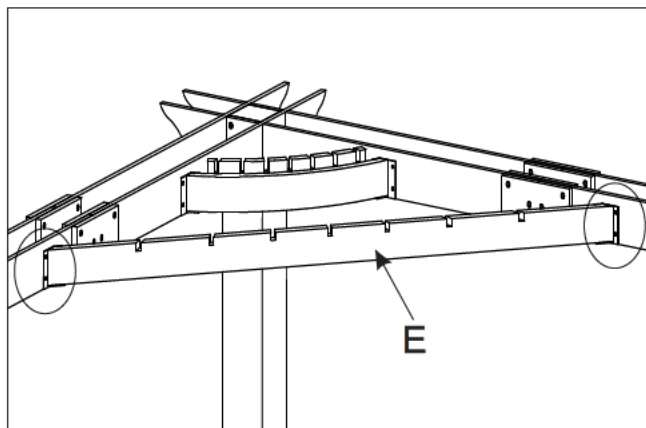
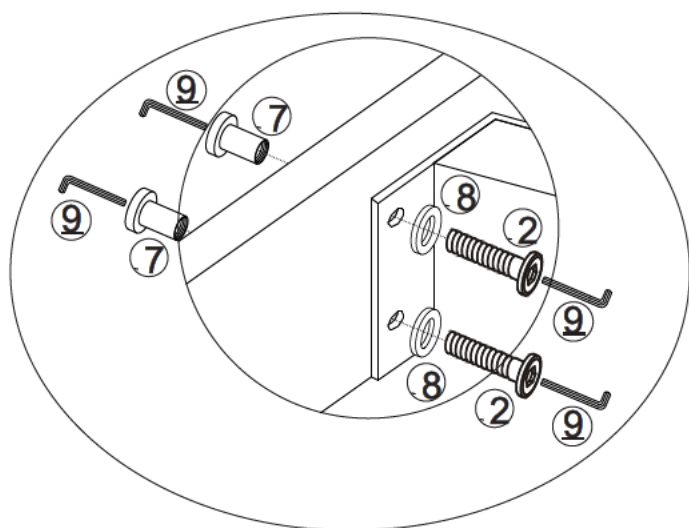
Attach using **Washers (⑧),Bolts (②), Sleeve Nuts (⑦) and Allen Wrenches (⑨)**, as shown in above picture.

Turn in the first bolt, between **70% - 80%**, at each Joist, then affix the second Bolt. Then, in a sequential manner, **FULLY SECURE AND TIGHTEN** all 4 ( four ) Bolts.

Ensure **ALL 4 ( four ) Bolts and Sleeve Nuts are FULLY SECURED AND TIGHTENED** before getting down from the Step Ladders.



## Step 25



Here in Step 25, the role of each partner is similar to Step 24.

Proceed to re-position the Step Ladders, midway of both the **LEFT and RIGHT Outer and Inner Joists** area.

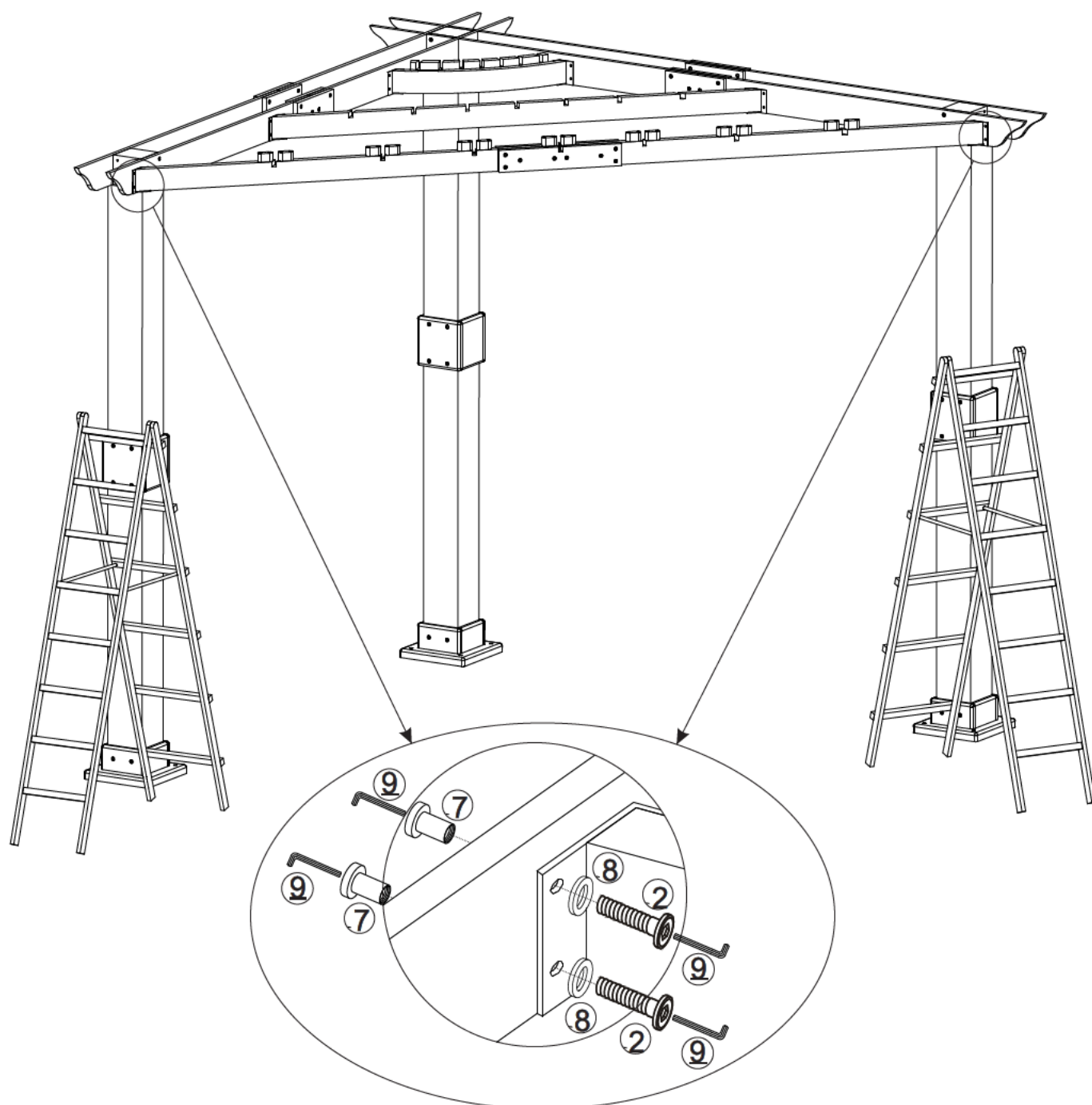
On the Step Ladders, attach the **Middle Roof Support Joist (E)** into the housing in the middle of both the **LEFT and RIGHT - Inner Joists**.

**Both partners must connect this MIDDLE - Roof Support Joist, TOGETHER AND AT THE SAME TIME.**

**Affix with using Washers (⑧), Bolts (②), Sleeve Nuts (⑦) and Allen Wrenches (⑨). Turn in the first bolt, between 70% - 80%, at each Joist, then affix the second Bolt. Then, in a sequential manner, FULLY SECURE AND TIGHTEN all 4 ( four ) Bolts.**

**Ensure ALL 4 ( four ) Bolts and Sleeve Nuts are FULLY SECURED AND TIGHTENED before getting down from the Step Ladders.**

## Step 26



Here in Step 26, proceed to the fixture of the **FRONT - Roof Support Joist**

With assistance from your adult partners, re-position the Step Ladder to the **Front area** of both the **RIGHT and LEFT Pillars**.

Attach and connect the **FRONT - Roof Support Joist from Step 14**, to both the **LEFT and RIGHT - Inner Joists**.

**Both partners must connect this FRONT - Roof Support Joist, together, at the same time.**

**Affix by using Washers (⑧), Bolts (②), Sleeve Nuts (⑦) and Allen Wrenches (⑨), as shown above.**

There are a total of **4 Bolt** points to affix.

**FULLY SECURE AND TIGHTEN ALL BOLTS and SLEEVE NUTS.**

**NOTE 14 :** At this stage of assembly, you can see that you have **ALL 3 ( three ) PILLARS** together with the main Roof Support Joists, are fully assembled.

At this point, **DO NOT PROCEED** to the next step, instead, proceed to **INSPECT AND ENSURE THAT ALL BOLTS & SLEEVE NUTS AND SCREWS ARE FULLY SECURED AND TIGHTENED.**

Upon satisfactory inspection and confirmation that **ALL Bolts and Screws are FULLY SECURED AND TIGHTENED**, only then, proceed to the next step.

**NOTE 15 :** To attach the Roof Slats, there are a total of seven pieces of **ROOF SLATS ( G )**.

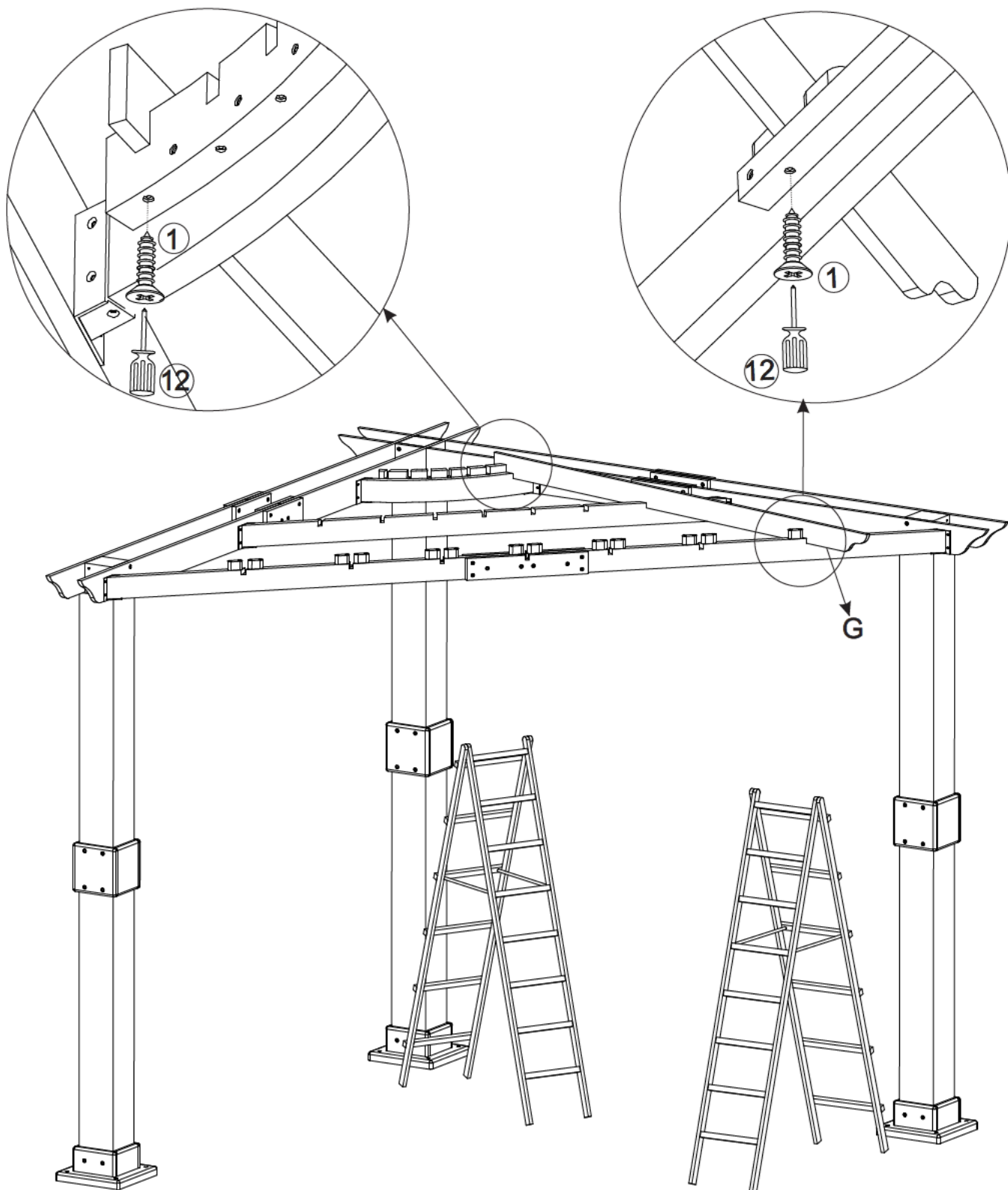
All Roof Slats are exactly identical in size and length.  
The only difference is that the **MIDDLE Roof Slat** - will be affixed **SLIGHTLY** differently, compared to the other six Roof Slats.  
Details to this Middle Roof Slat is offered in Step 28.

All Roof Slats are **TO BE RAISED THROUGH AND OVER** all three Roof Support Joists then **REST** atop all three Roof Support Joists.

All seven Roof Slats are to be **SECURED AND TIGHTENED only at the CORNER Joist and the FRONT Joist.**

All Roof Slats are to **SECURED** by fixing with Screws ( ① ) from **BOTTOM UP**.

## Step 27



Here, you are nearly at the final assembly step of this Triangular Pergola. These 3 ( three ) pieces of **Roof Slats (G)** on the right are the last components to be placed and affixed onto all 3 ( three ) **Roof Support Joists**.

These 3 ( three ) pieces of Roof Slats on the right are to be bolted in at two places:  
1. ) from the **UNDERSIDE** of the **FRONT - Roof Support Joists**, **UPWARDS** and into the **ROOF SLATS**.

2. ) from the **UNDERSIDE** of the **CORNER - Roof Support Joist**. **UPWARDS** and into the **ROOF SLATS**

Next, re--position the Step Ladders to the **RIGHT Pillar Panel** :

a. ) at the **CORNER - Roof Support Joist** area and

b. ) at the **FRONT - Roof Support Joist** area, as shown above.

2 ( two ) partners are on the Step Ladder shall receive and affix the **ROOF Slats**. The 3rd ( third ) partner shall hand the **ROOF Slats** to the 2 partners on the Step Ladders.

Then place the **Roof Slat** into position.

With one hand apply pressure by Pulling the Roof Slat 'groundwards'.

Use **Screw (①)** and **Screw Driver (⑫)**, and drive the Screw 'skywards', as shown above.

**FULLY TURN IN ALL Screws at ALL points of fixture.**

Repeat the same steps to affix the remaining 6 ( Six ) pcs of **ROOF Slats (G)**.

Ensure and **FULLY SECURE AND TIGHTEN ALL SCREWS** at all Roof Support Joists and Roof Slats.

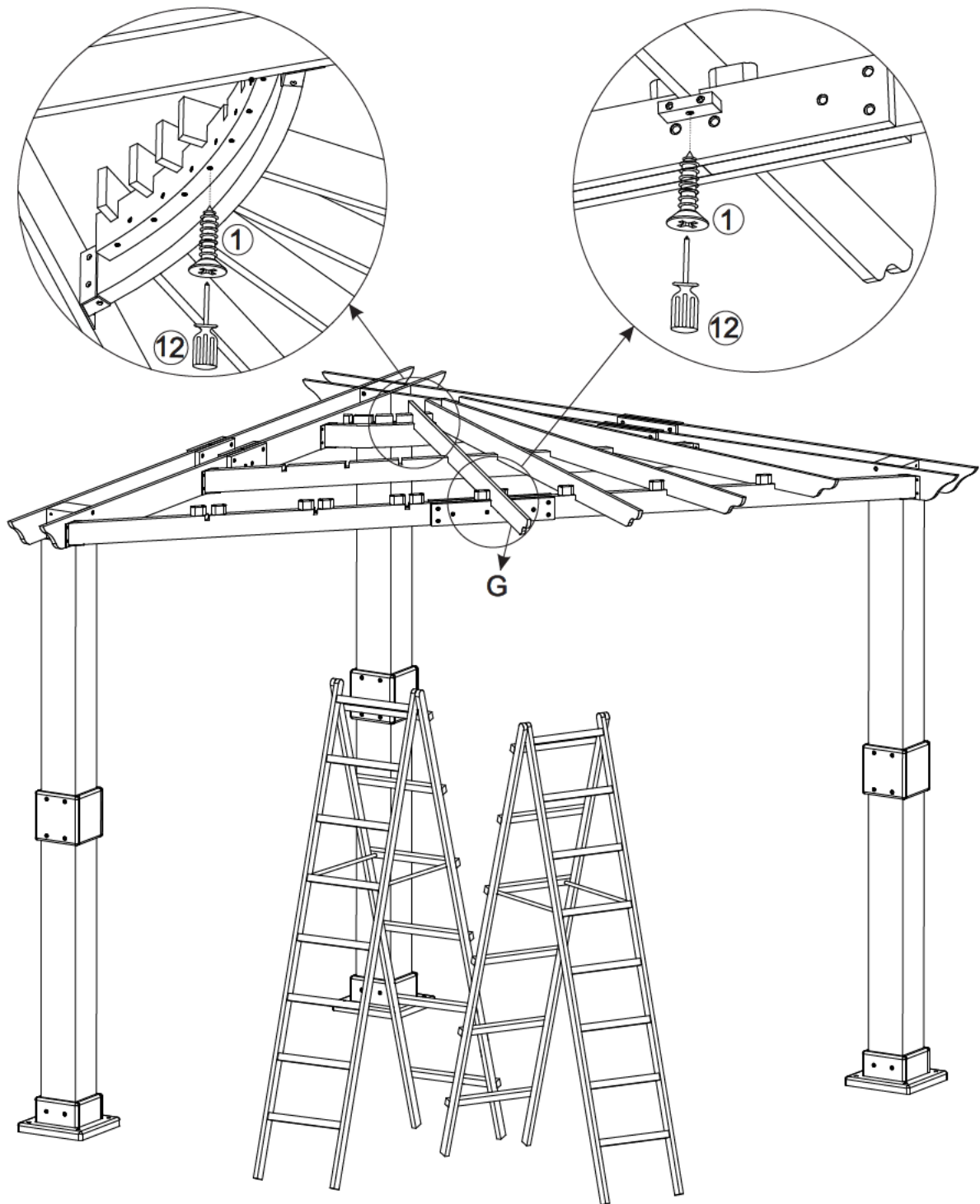
Descend form the Step Ladders...

Then, **FULLY STAKE IN ALL GARDEN STAKES FULLY AND COMPLETELY** into the garden grounds.

The above completes the assembly for Your Triangular Pergola, and is ready for use.



## Step 28

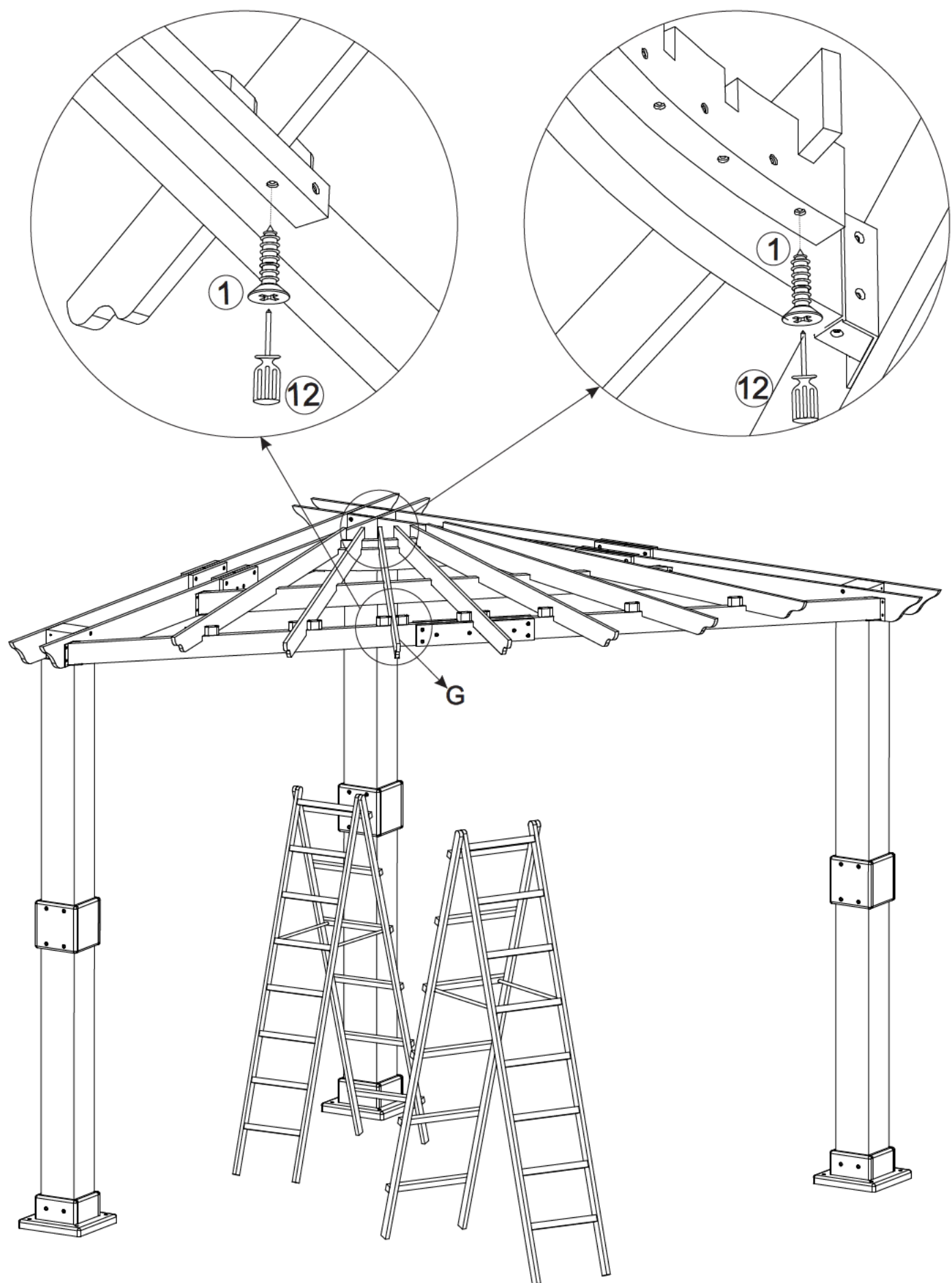


Here in Step 28 is a visual guide to show you the **MIDDLE ROOF SLAT**, that has a slight different fixture position, compared to the other six roof slats

You will find an Extended **Wood Block** at the **MIDDLE JOIST** area, with a predrilled pilot hole.

Drive the **Screw ( ① )** by **Screw Driver ( ⑫ )** fully through this Extended **Wood Block** into the **ROOF SLAT**.

This fixes the **MIDDLE ROOF SLAT** to the **FRONT - ROOF SUPPORT JOIST**.



Here, you are nearly at the final assembly step of this Triangular Pergola. These 3 (three ) pieces of **Roof Slats (G)** on the left are the last components to be placed and affixed onto all 3 ( three ) **Roof Support Joists**.

These 3 ( three ) pieces on the left of **Roof Slats** are to be bolted in at two places :

1. ) **from the UNDERSIDE of the FRONT - Roof Support Joists, UPWARDS and into the ROOF SLATS.**
2. ) **from the UNDERSIDE of the CORNER - Roof Support Joist. UPWARDS and into the ROOF SLATS**

Next, re-position the **Step Ladders to the RIGHT Pillar Panel :**

- a. ) **at the CORNER - Roof Support Joist area and**
- b. ) **at the FRONT - Roof Support Joist area, as shown above.**

2 ( two ) partners are on the Step Ladder shall receive and affix the **ROOF Slats**. The 3rd ( third ) partner shall hand the **ROOF Slats** to the 2 partners on the Step Ladders.

Then place the **Roof Slat** into position.

With one hand apply pressure by **Pulling the Roof Slat 'groundwards'.**

**Use Screw (①) and Screw Driver (⑫), and drive the Screw 'skywards', as shown above.**

**FULLY TURN IN ALL Screws at ALL points of fixture.**








Repeat the same steps to affix the remaining 6 ( Six ) pcs of **ROOF Slats (G )**. **Ensure and FULLY SECURE AND TIGHTEN ALL SCREWS** at all Roof Support Joists and Roof Slats.

Descend form the Step Ladders...

Then, **STAKE IN ALL the GARDEN STAKES ( not provided ) FULLY AND COMPLETELY** into the garden grounds.

The above completes the assembly for Your Triangular Pergola, and is ready for use.

## Care & Maintenance

-  • Do not put hot items directly on furniture surface.
-  • Do not clean furniture with harsh cleansers or polish.
-  • Children should not climb or jump on the Pergola.
-  • Do not write on furniture without a padded barrier to protect the surface.
-  • Not for commercial use. For residential use only.
-  • Stains may be removed with mild soap solution and damp cloth.
-  • Dust and pick-up spills using a clean, non-colored, lint-free cloth.