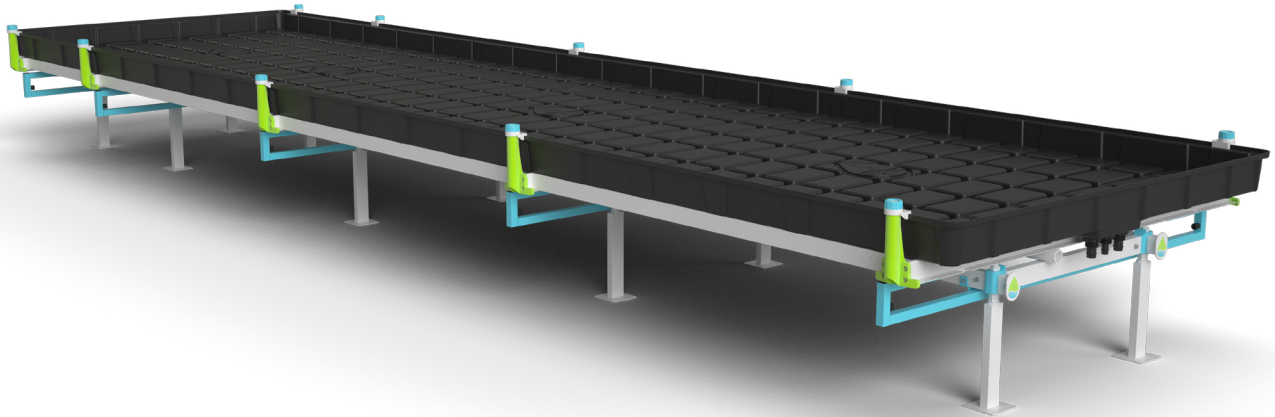




BOTANICARE

5' EXTRA ROLL SLIDE BENCH

ASSEMBLY INSTRUCTION



BEFORE YOU GET STARTED

Please take the time to read all the assembly instructions before attempting to assemble your Botanicare® 5' Extra Roll Slide Bench. These instructions show assembly of a 20" tall, 18.5ft long bench as an example. All steps apply for benches of different lengths and heights; however, some parts may differ from bench to bench. Failure to read and follow these instructions will void any warranty on this product and purchaser shall be fully liable for any costs or damages caused by such failure.

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HGC117115-01 | LB25081



THESE INSTRUCTIONS CAN BE FOUND AT:
www.botanicare.com/products/ExtraRoll

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Safety

Safety Definitions

Warnings



This symbol indicates a warning, indicating the type and seriousness of the ensuing risk if measures to prevent the risk are not taken.

Important Information / Notes



This symbol indicates important information where there is no risk to people or property.

Safety Precautions

Read and follow all warnings and instructions before using Botanicare® 5' Extra Roll bench. Failure to heed direction could lead to serious personal injury, damage to the 5' Extra Roll bench, or property damage.

WARNING Installation Requirements:



- The 5' Extra Roll bench must always be placed on and anchored to a concrete surface that is void of any large cracks. Failure to do so could result in the bench tipping over unexpectedly.
- Use approved anchors as defined in this document.
- All steps in this assembly procedure must be completed prior to using the bench.
- Do not extend threaded shafts more than the maximum spacing defined.
- Do not drill anchors into post tension slabs.
- **Before using BOND THREE Lap Tray Sealant Adhesive, carefully read and follow all warnings and directions for use, on package and in instructions.**

WARNING Use:



- Do not load the 5' Extra Roll bench with more than 20 pounds per square foot.
- Do not climb on or in the 5' Extra Roll bench or trays.
- Keep fingers and hands away from the rollers. The table rollers can cause injury.
- Keep fingers and hands away from the anti-tip brackets. Do not use the brackets to move the bench. Fingers or hands can be caught between the bracket and the frame causing injury.
- Never move the bench with people or equipment in between the benches as this could cause injury to personnel or damage to equipment.

Check the Packing List

Upon receipt of your shipment, it is important to double-check the packing list to make sure all ordered components were received. This also helps familiarize yourself with the product.

We recommend organizing parts together based on the assembly steps to reduce potential confusion – below is the suggested organization method:

Arch Assembly Parts

Frame Parts

Roller Tube Parts

Table Parts

Anti-Tip Parts

Trays and Accessories

Fasteners

If this is your first 5' Extra Roll bench build, we recommend constructing one bench fully to familiarize yourself with the parts and assembly process. Once one is built, you can begin batch-building subassemblies which can greatly reduce total install time.


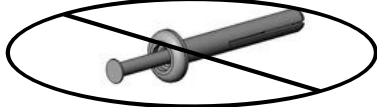
Tools Needed

The following tools & supplies are required to assemble the Slide Bench.

Cordless Drill <u>with clutch</u> 	Level 	1/4" Masonry Drill Bit 
Hammer Drill 	Hammer or Mallet 	Rubbing Alcohol 
Tape Measure 	15/16" Combination / Box Wrench 	Clean Cloth Rags 
Layout Laser 	3/8" Magnetic Nut Driver Bit 	Caulk Gun (use with BOND THREE) 
Chalk Line 	5/16" Magnetic Nut Driver Bit 	1 3/8" Step Drill Bit 

Anchors (Not Included with Purchase)

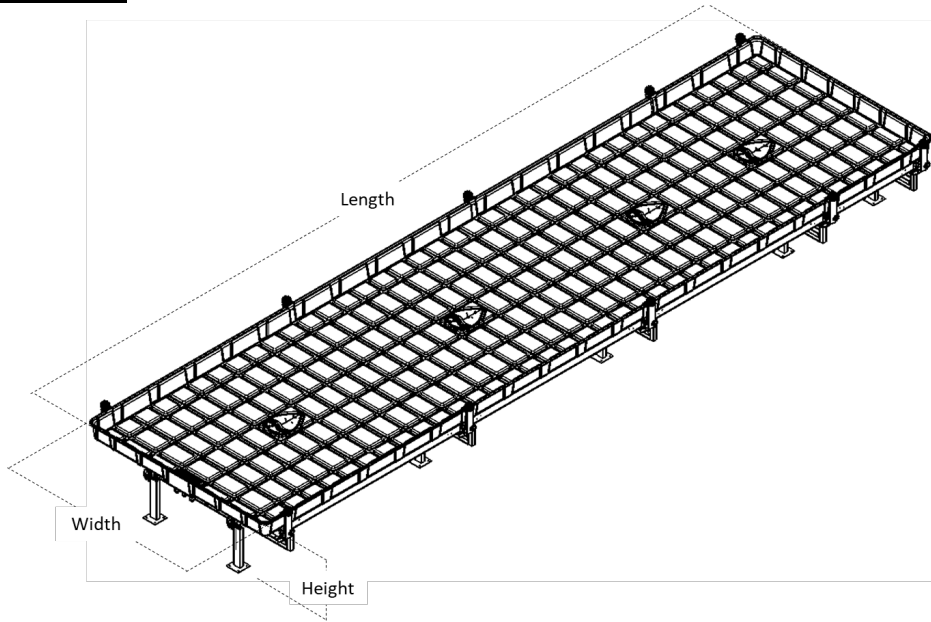
Installation of the bench systems will require 1/4" x 2 1/4" wedge-style concrete anchors. Installation of the anchors should follow the anchor manufacturer's recommendations.

Acceptable wedge-style anchor 	Unacceptable anchor 
---	--

Tips & Clarifications

Please take the time to read this section; it may help prevent a lot of unnecessary work.

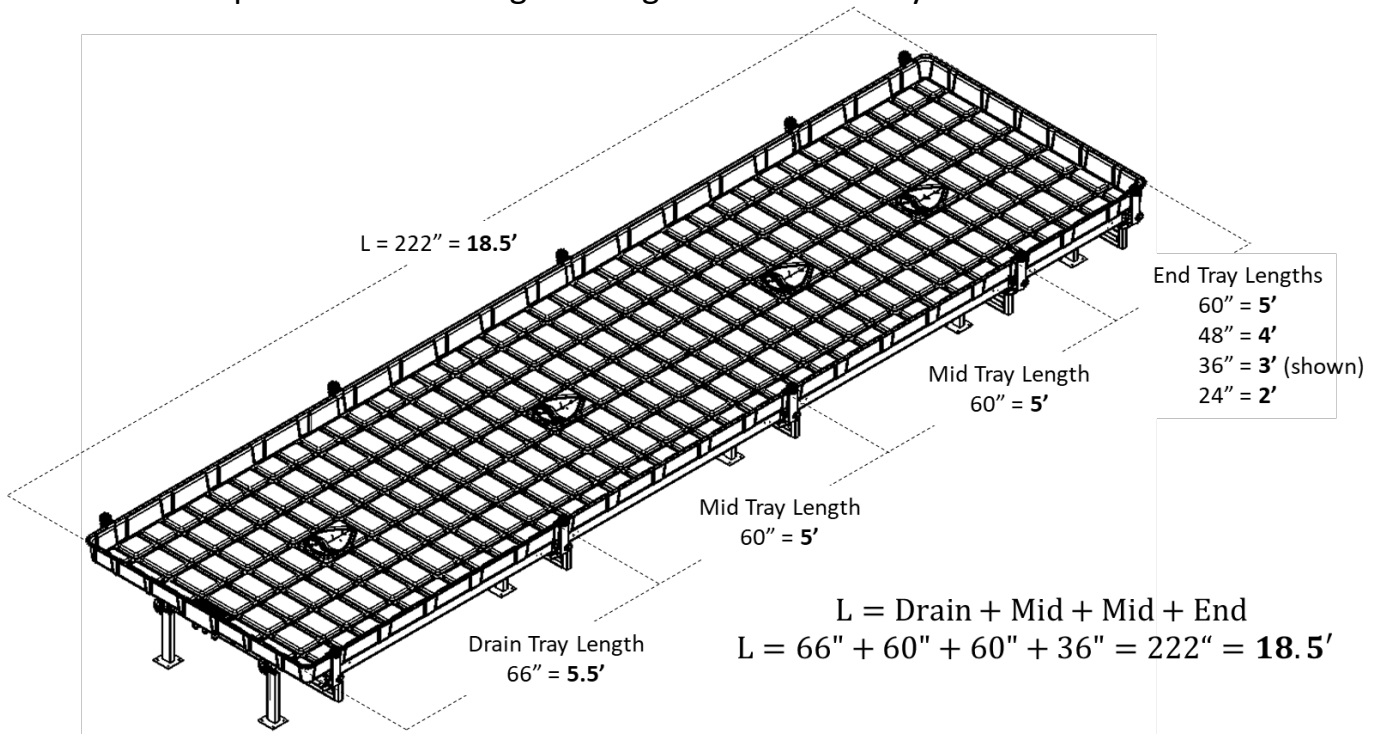
Basic Bench Dimensions



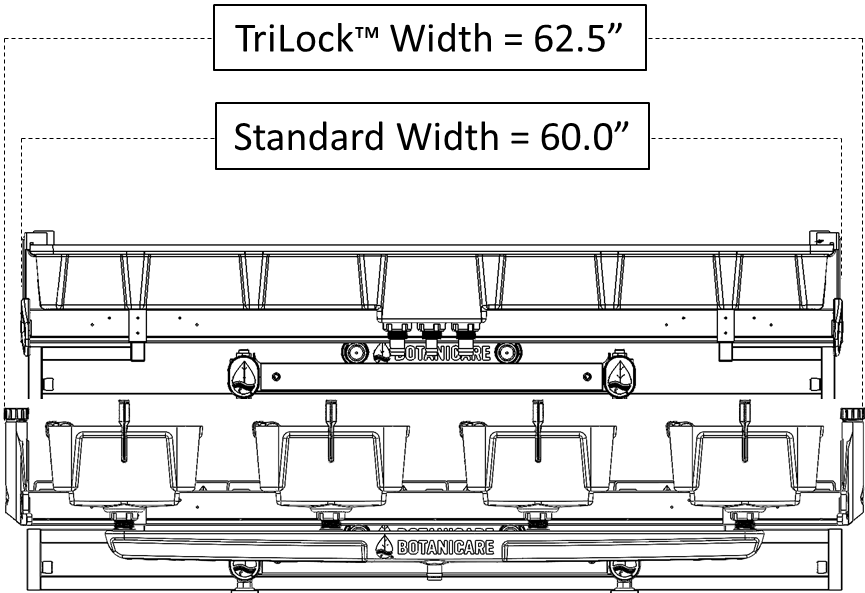
A single 5' Extra Roll bench can be described using three values: Length, Width, and Height

Length: This is the total outside dimension of the bench in feet from the outermost edge of the drain tray to the outermost edge of the end tray. This value will always end in a half-foot increment, e.g. 7.5ft, 18.5ft, etc.

- The bench length is determined by the trays being used in the system. See below example for determining the length of a finished system.



Width: This is the total outside dimension of the system from the selected trellis option. In general terms, all 5' Extra Roll benches are considered "5ft" width even though the outside dimension may be slightly different depending on the trellising option. With two trellis options available (Standard and TriLock™) there are two different bench widths for the "5ft" option. See below to visualize the difference in bench width between the two systems.

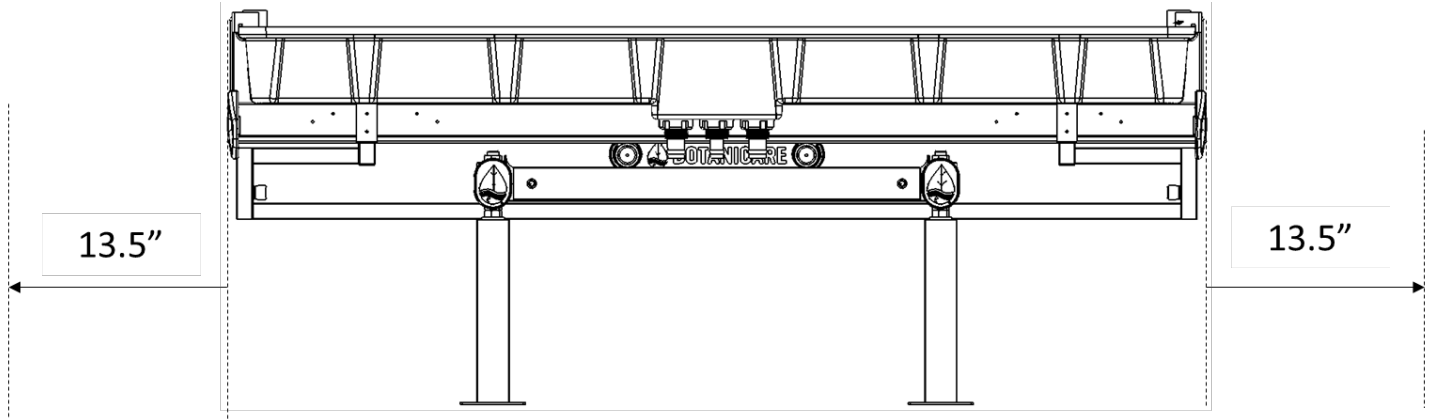


Height: This is the approximate distance in inches from the floor to the bottom of the tray where plants would sit and *not* the total height of the bench. See below.

A side-view technical drawing of the bench system. It shows two vertical legs supporting a horizontal frame. A label 'Top of inside of tray' points to the upper rail. A dashed line indicates the 'Bench Height' from the floor to the bottom of the tray. Another dashed line indicates the 'Leg Height' from the floor to the bottom of the leg. The brand name 'BOTANICARE' is visible on the frame.

Bench Height Options	Leg Height
12"	3.3"
20"	11.3"
30"	21.3"

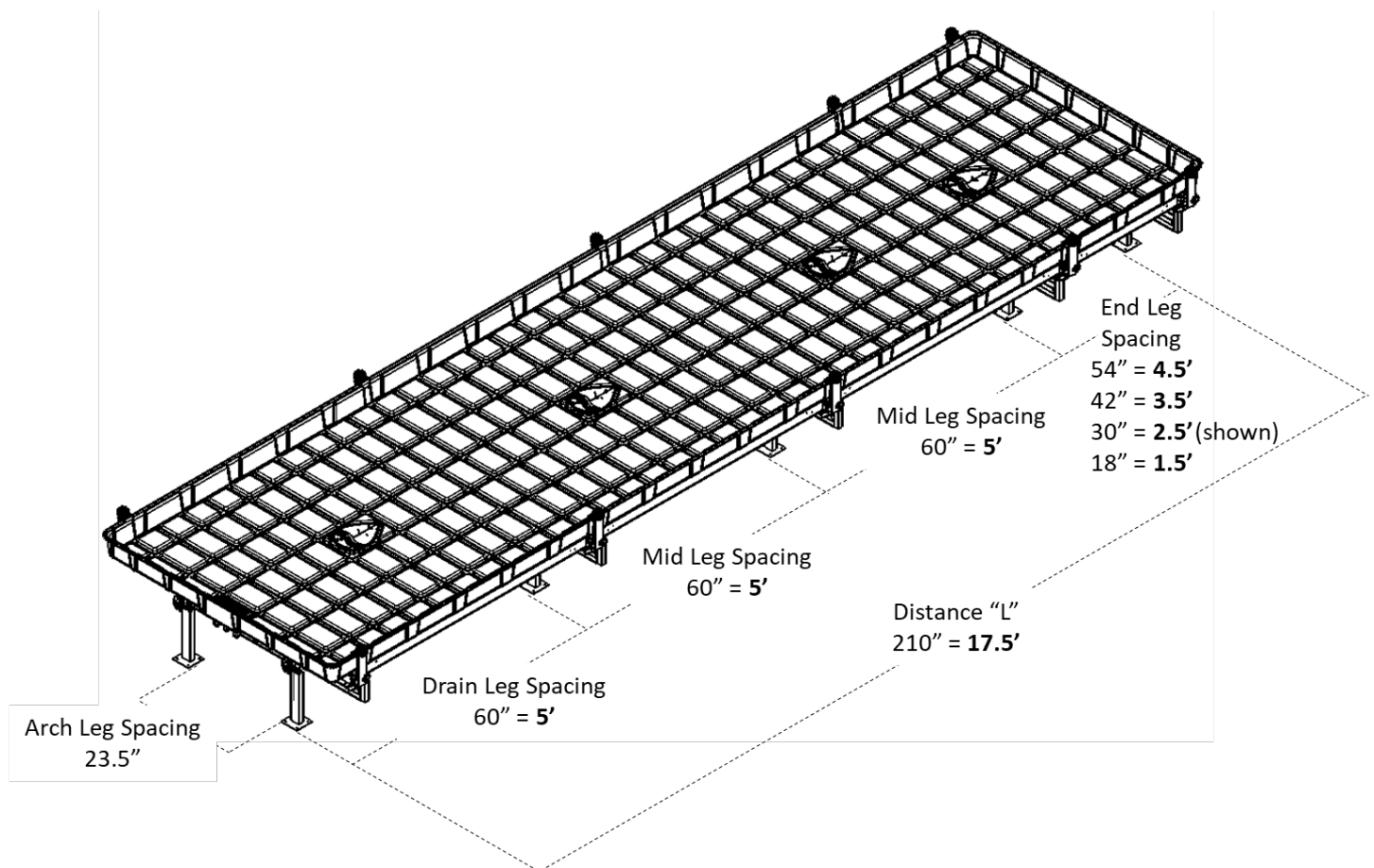
Slide / Travel Distance: This is the amount that a bench can travel in inches. From a centered position, the bench can move 13.5" left and 13.5" right, for a total of 27" of travel.



Bench Leg Spacing: This is the layout of the legs of the bench relative to one another. Note that the "Mid" and "Drain" leg spacing along the length of the bench is the same 5' distance. The spacing for the "End" leg varies, depending on the length of your "End" tray. The spacing between the footplates of the "Arch Assembly" legs is 23.5" for the 5' Extra Roll benching system.



This "Arch Leg Spacing" is different than the standard Slide Bench system.



Hardware and Parts Included

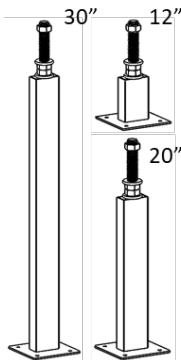

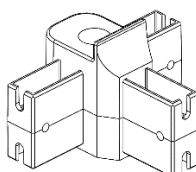



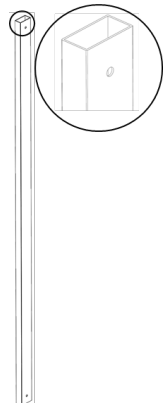
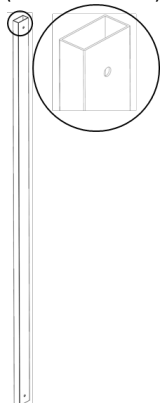




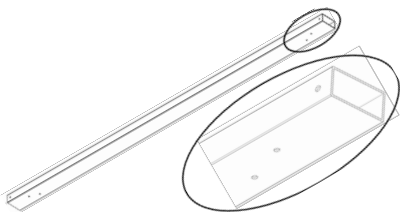
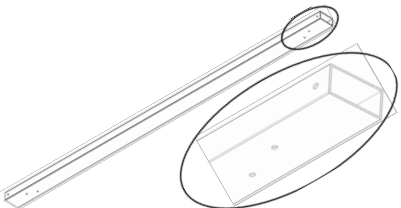





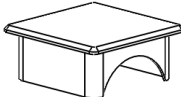

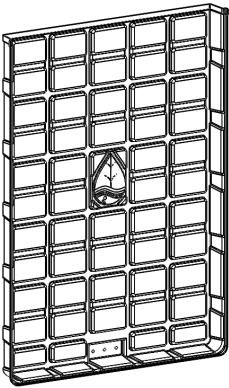
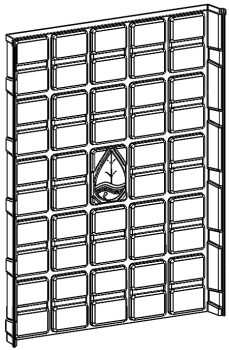
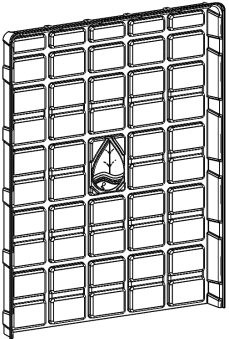
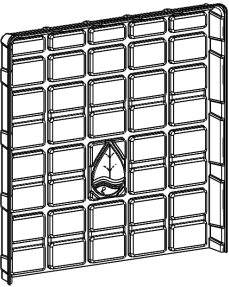
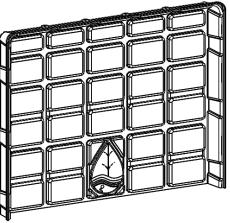
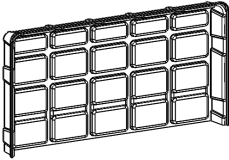
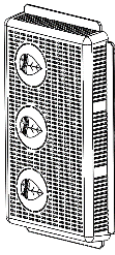
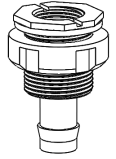
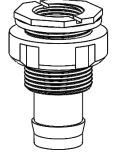

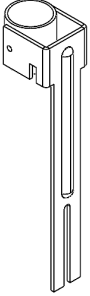
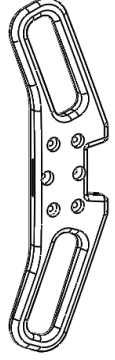
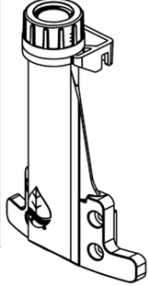

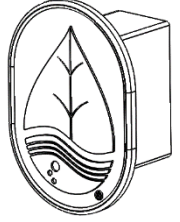
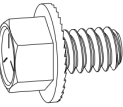

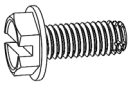
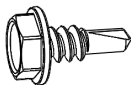
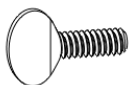
Arch Assembly Parts	<p>Leg Assembly</p>  <p>12" (LC3651) 20" (LC3652) 30" (LC3653)</p>	<p>5' Extra Roll Arch Tube</p>  <p>25" (MS6144)</p>	<p>Frame Connector</p>  <p>(MS3281)</p>	<p>Threaded Rod (Pre-assembled to Leg)</p>  <p>12" (MS3282) 20", 30" (MS3284)</p>	<p>5/8"-11 Hex Nut (Pre-assembled to Leg)</p>  <p>(MS3255)</p>	<p>5/8" Flat Washer (Pre-assembled to Leg)</p>  <p>(MS3256)</p>
	Long Frame Tube		Short Frame Tube (For End Sections)			
Frame Parts	 <p>(MS3292) 58.5"</p>		 <p>For 5' End Tray (MS3286) 52.5" For 4' End Tray (MS3806) 40.5" For 3' End Tray (MS3807) 28.5" For 2' End Tray (MS3808) 16.5"</p>			
	Long Roller Tube		Short Roller Tube (For End Sections)		Roller End	Roller Connector
Roller Parts	 <p>(MS3294) 56"</p>		 <p>For 5' End Tray (MS3288) 50" For 4' End Tray (MS3822) 38" For 3' End Tray (MS3823) 26" For 2' End Tray (MS3824) 14"</p>		 <p>(MS3287)</p>	 <p>(MS3293)</p>

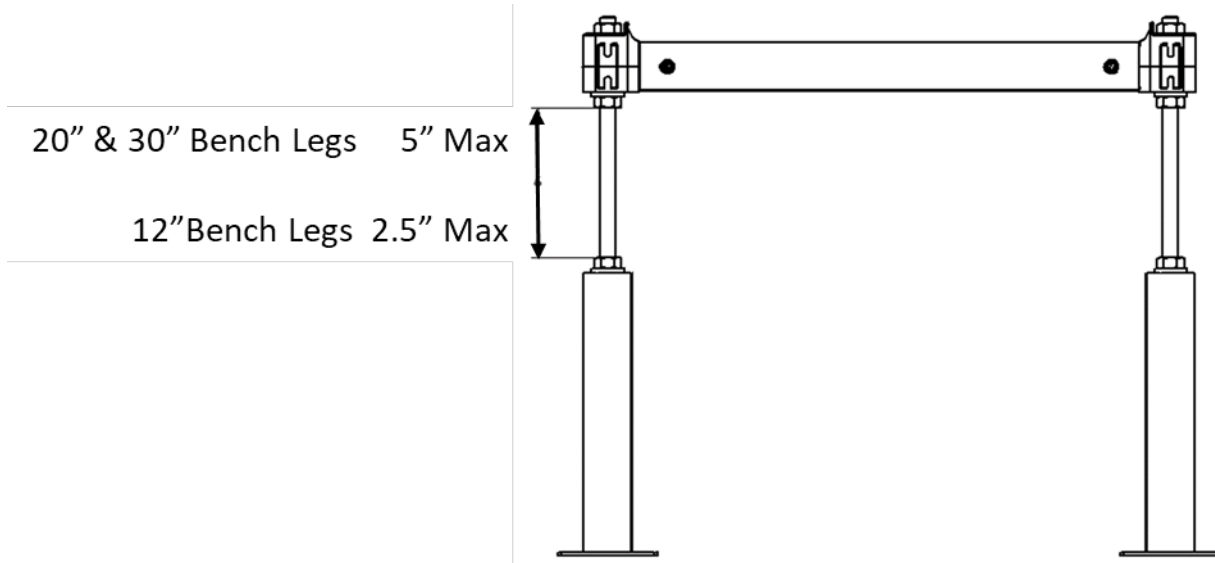
Table Parts	Long Table Tube		Short Table Tube (For End Sections)		Table Extrusion	Corner Bracket
	 (MS3295) 57"		 For 5' End Tray (MS3290) 51" For 4' End Tray (MS3809) 39" For 3' End Tray (MS3810) 27" For 2' End Tray (MS3821) 15"		 5' (MS3431)	 (MS3289)
Anti-Tip Parts	5' Extra Roll Anti-Tip Frame	5' Extra Roll Guide Bracket	Bump Stop	1" Square Tube Cap	5/8" Hole Plug	
	 (MS6142)	 (MS6143)	 (MC2085)	 (MC2083)	 (MC2084)	

Trays and Accessories	OG Drain Tray  5' (HGC706663)	OG Middle Tray  5' (HGC706667)	OG 5' L End  5'x5'L (HGC706668)	OG 4' L End  5'x4'L (HGC706165)	OG 3' L End  5'x3'L (HGC706166)
	OG 2' L End  5'x2'L (HGC706167)	Drain Screen  (HGC708573)	3/4" Bulkhead Drain Fitting  (HGC708552)	1" Bulkhead Drain Fitting  (HGC708558)	Bond Three Adhesive  (HGC706016)
	Trellis Bracket  (MS3783)	Handle  (MC2081)	TriLock™ Trellising Support  (HGC707110)	Roller Spacer  (MC2082)	Frame Emblem  (MS3531)
Fasteners	1/4"-20 x 3/8" Hex Head Screw  (MS3271)	10-32 x 1" Thread Cutting Hex Head Screw  (MS3299)	10-32 x 1/2" Thread Cutting Hex Head Screw  (MS3291)	10-16 x 1/2" Self-Drilling Screw  (MS3260)	10-24 x 1/2" Thumb Screw  (MS3298)

Maximum Threaded Rod Extension



Do not extend the threaded rods too far from the legs. Doing so may result in the failure of the bench which can result in equipment damage and/or injury. See image below for height details.



Setting the Drill Clutch



Use a drill with clutch! Do not overtighten screws as this will strip the threads.

- Every drill is different, use caution until familiar with the drill's capabilities.
- Use the lowest setting on the drill clutch that will install the screws.
- A higher torque may be required to initially cut the threads, reduce torque for final tightening.
- After installing, hand tightening will help prevent stripping threads.

Bench Assembly and Installation

Step 1. Multi-Bench Room Layout

Use the room layout calculator tool to determine the quantity, position, spacing, and desired room aisle widths between and around the benches.

Need help? We're here for you. Scan the QR code on the right to visit the benching page on botanicare.com and request a personalized layout.



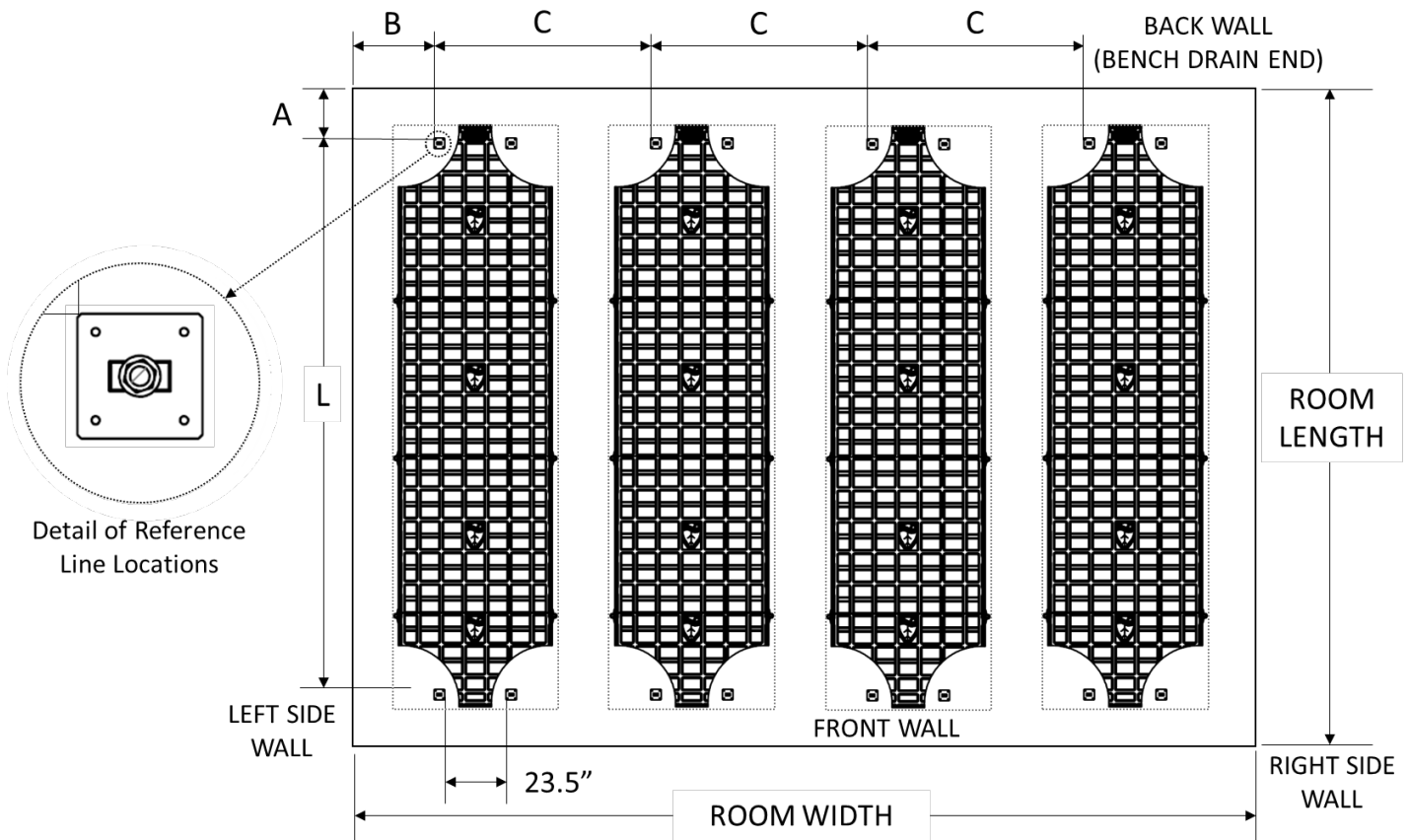
ALWAYS layout the entire room prior to assembly of hardware.



Precise layout of the room prior to the assembly of any benches will help in achieving the desired spacing around and between the benches. Always verify layouts are square by checking the diagonal distance between opposing corners are equal. Do not rely on the walls being straight or square.

Room Orientation

These instructions will use the following room orientation.



Worksheet: Room Layout Calculator

A. Drain Tray to Wall Spacing

Enter desired spacing here: _____ + 5 1/8" =

Distance A

B. Left Side Tray to Wall Minimum Spacing

(When bench is moved the full 13.5" towards the wall)

Enter desired minimal spacing here: _____ + _____ =

Distance B

5' 5' Extra Roll bench with Standard trellis, add 27 3/4"
5' 5' Extra Roll bench with TriLock™ trellis, add 29"

C. Bench to Bench Spacing

(Distance between two adjacent benches when they are rolled away from each other - requires a minimum desired aisle width of 27")

Enter desired aisle width here: _____ + _____ =

Distance C

Standard trellis, 5' bench to 5' bench spacing, add 33"
TriLock™ trellis, 5' bench to 5' bench spacing, add 35 1/2"

D. Distance "L"

(Distance from Arch 1 leg mounting footplate to the last arch mounting footplate. Select from Appendix A based on the nominal bench length

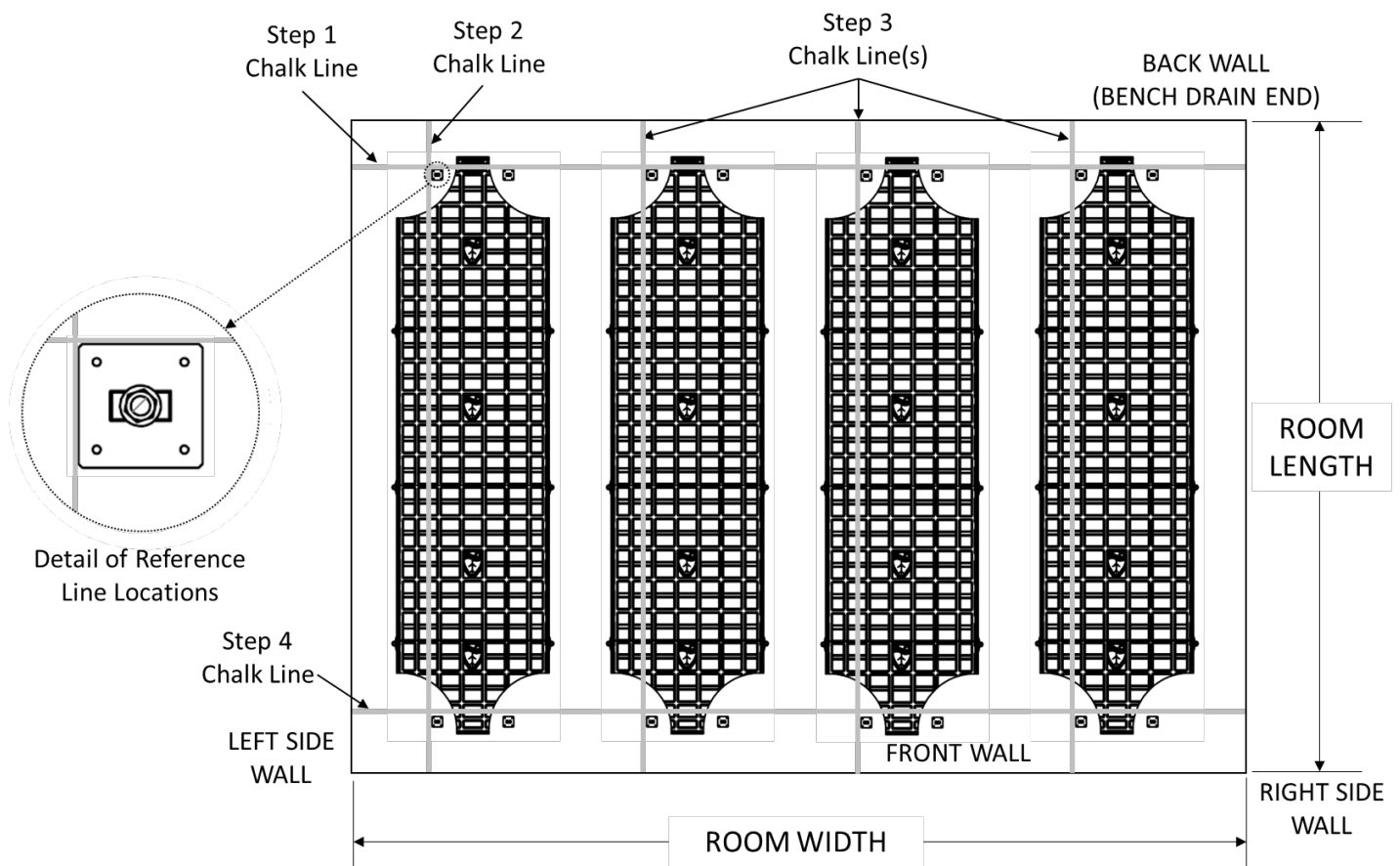
Distance L



Arches are nominally 60" from arch to arch. The last arch opposite the drain end is a short section. The short section can be 54", 42", 30" or 18" apart depending on the overall length of the bench.

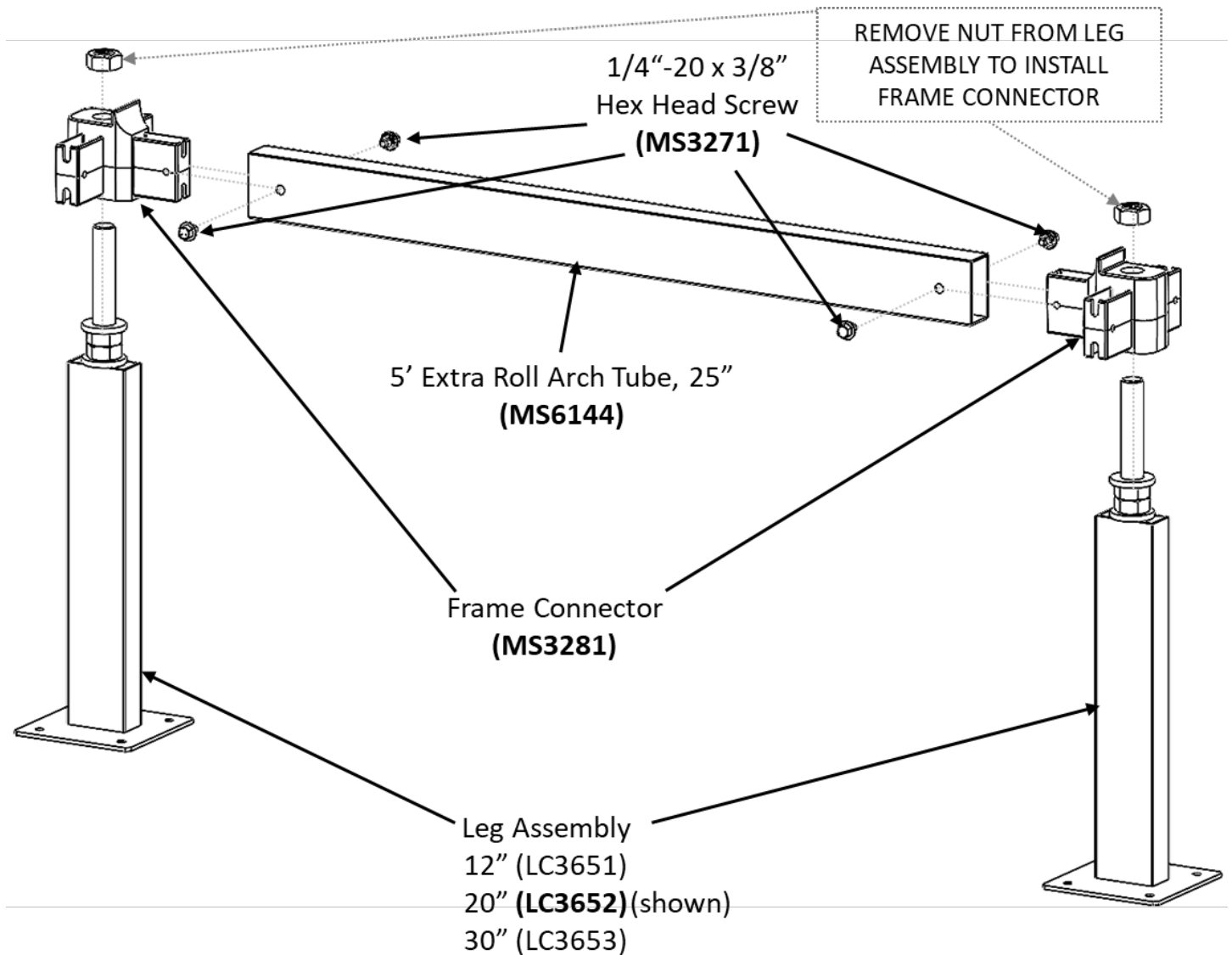
Lasering / Chalking the Room

1. Measure "Distance A" from the back wall (bench drain end); snap a chalk line or use a layout laser along the back wall from left to right. This will determine the location of the footplate of the first arch.
2. Measure "Distance B" from the left wall; snap a chalk line or use a layout laser along the left wall from back to front. This will determine the location of the footplates of the first bench.
3. Measure "Distance C" from the line created in step 2, snap a parallel chalk line from back to front. Repeat as necessary based on the number of benches in the room.
4. Measure "Distance L" from the line created in step 1, snap a parallel chalk line. This will determine the location of the footplate of the last arch.

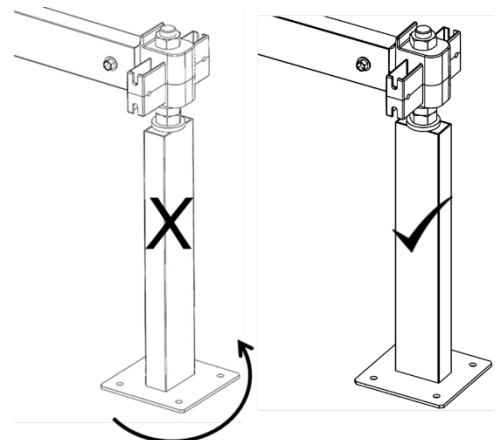


Step 2. Arch Assembly

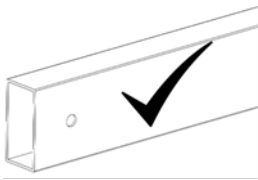
The leg assemblies come partially pre-assembled. Remove the top nut from the leg assembly, add the frame connector, and reattach the top nut to assemble the leg. Attach the arch tube to the frame connector with 1/4-20 x 3/8" hex head screws.



If the bench is to be sloped, use the tables provided in [Appendix B](#) to roughly assemble each arch with the approximate height needed to achieve the slope.



Step 3. Frame Assembly



Frame
Tube

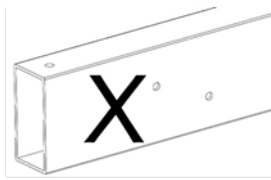


Table
Tube

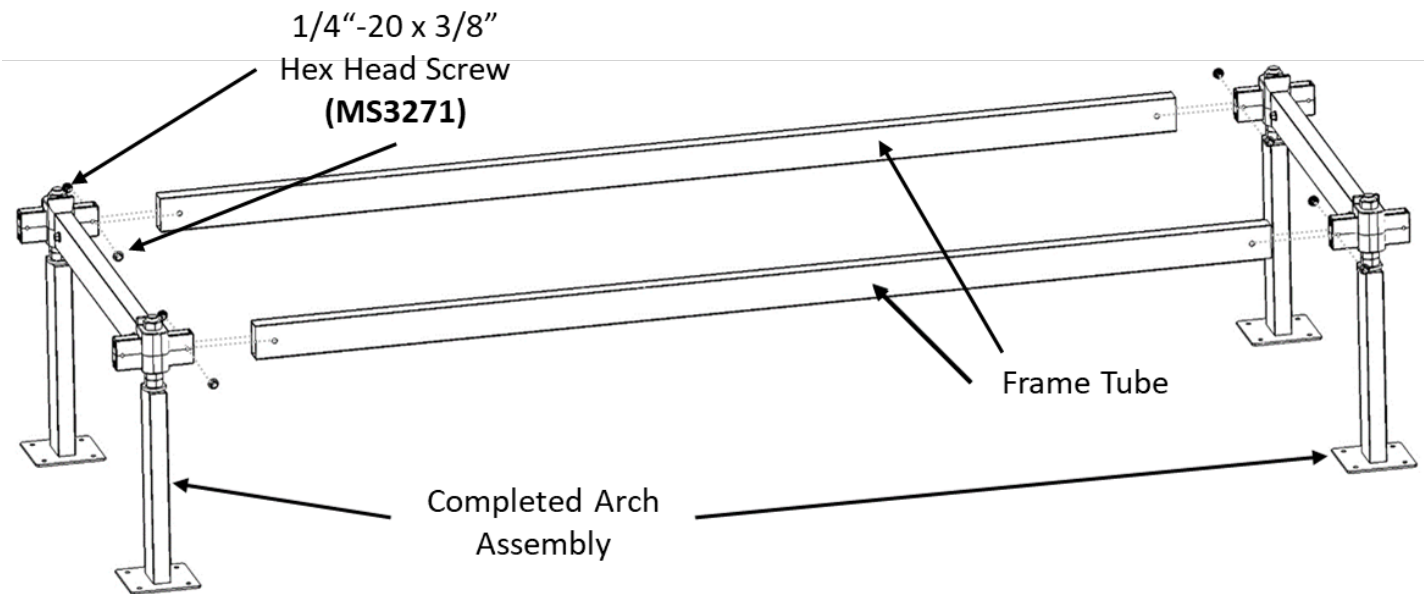


Assemble the frame in roughly the final position that it will be in the room.



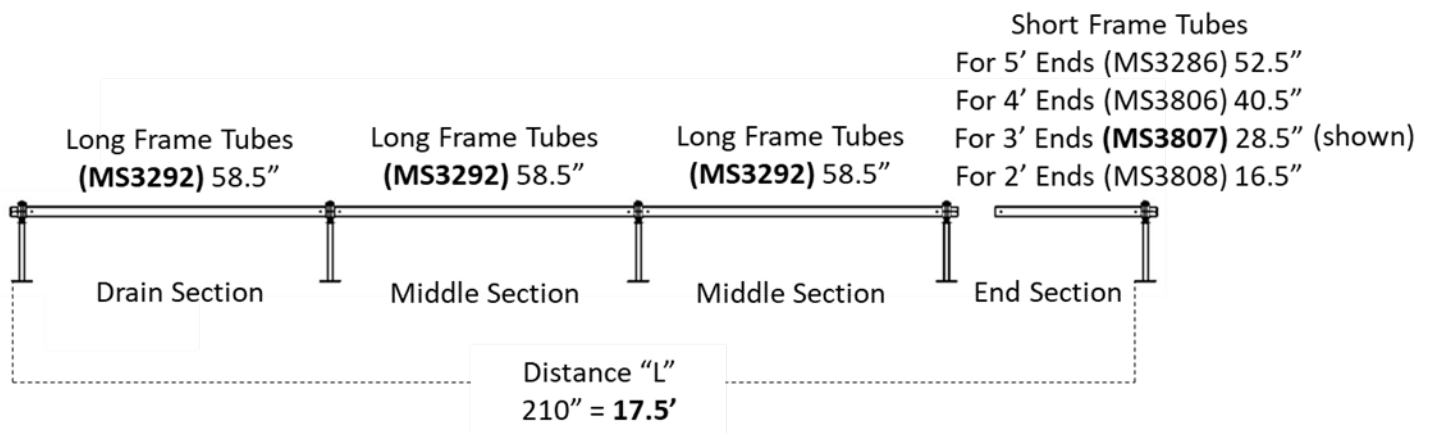
Start with the end of the bench where the drain will be located.

Use 1/4-20 x 3/8" hex head screws to assemble the frame tubes to the arch assemblies.



The short section is always at the end opposite of the drain section.

Once the frame is assembled, confirm Distance "L" between the first and last arch assembly is correct. Refer to the shipping paperwork to determine which short frame tubes are needed based on the end section required.



Step 4. Anchor Frame



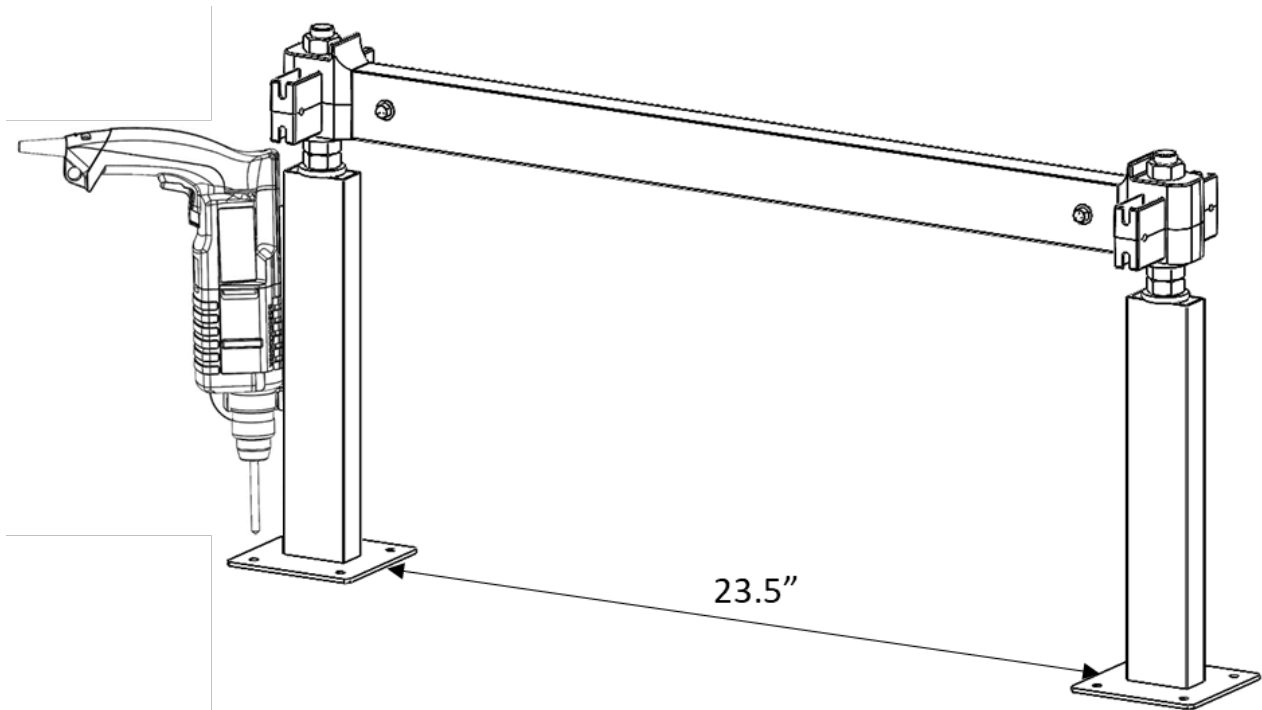
Follow anchor manufacturer's instructions to properly drill and install anchors.



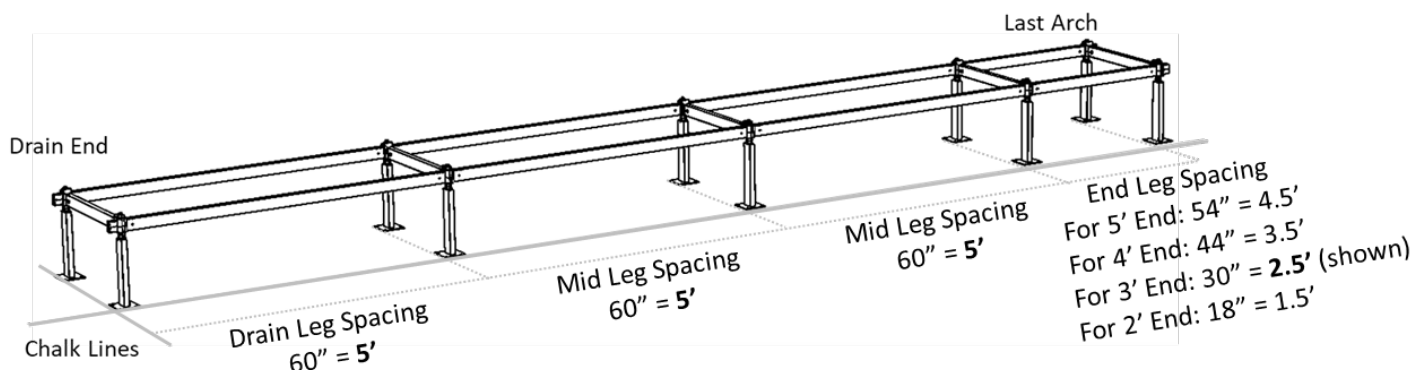
All leg-mounting locations must have the anchors installed and properly tightened to prevent damage to the bench or a component failure that could result in personal injury.



Do not drill into post tension slabs.

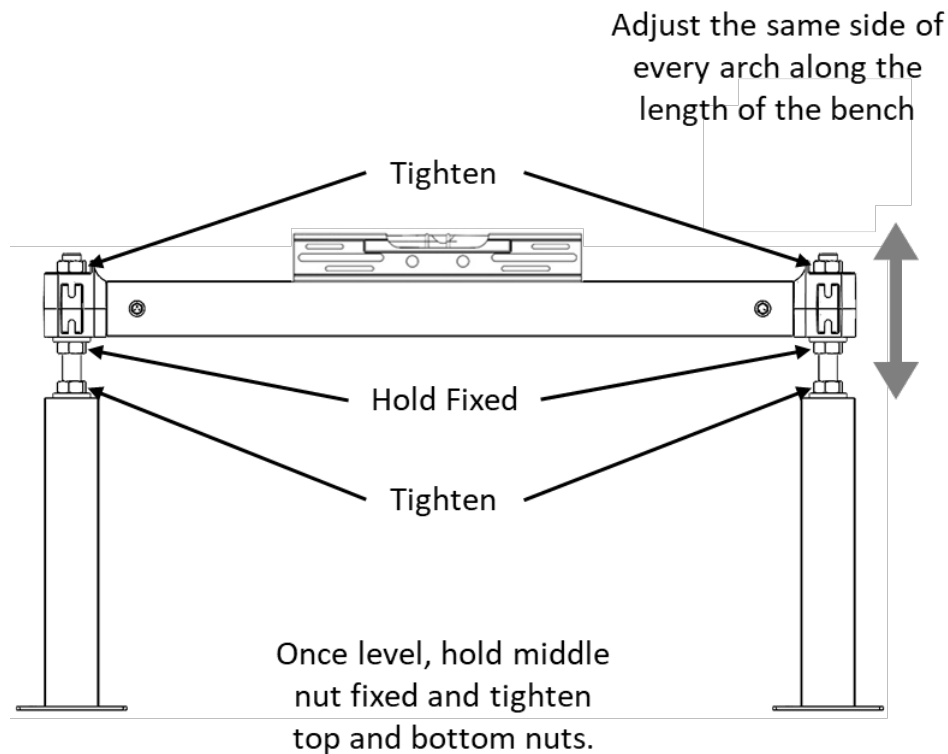


At this stage, the bench frame should be completely assembled (see image below). Align edge of footplates to chalk lines from Step 1, drill and install anchors starting at the drain end and working towards the last arch. Be sure to confirm the distances between arches are correct before anchoring.

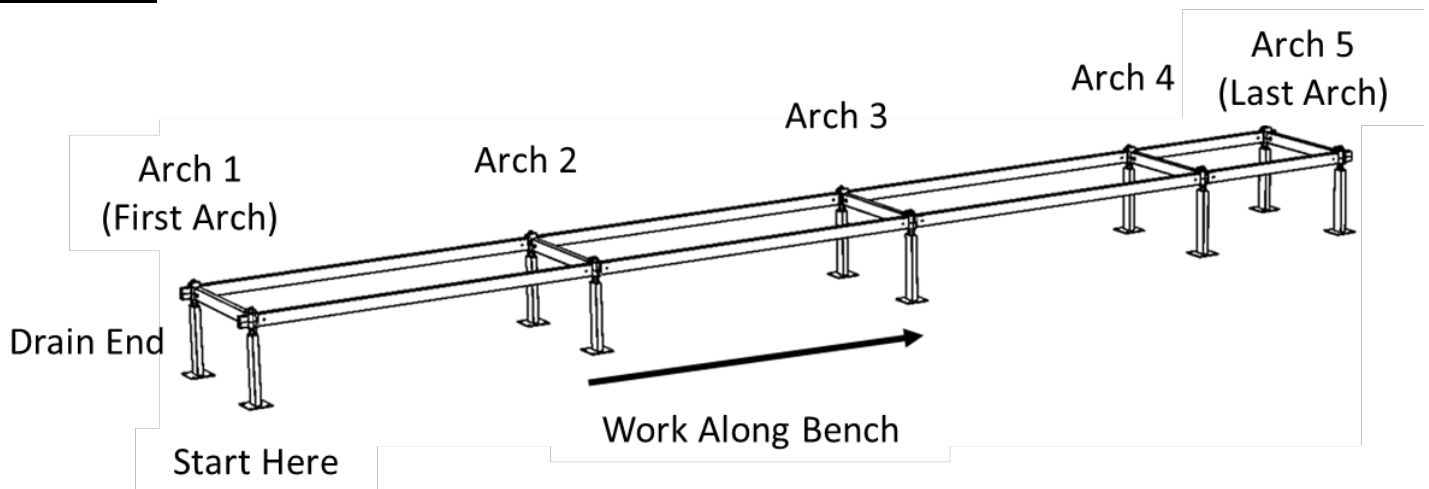


Step 5. Level Frame

By now, each arch assembly should be close to their final height if slope is required after Step 2. It is recommended to label each leg, starting with “1” for the first arch on the drain end and increasing in number until the last arch. Starting at the drain end, level the arch assembly by bringing the low side up so that the table does not roll to the low side once installed.



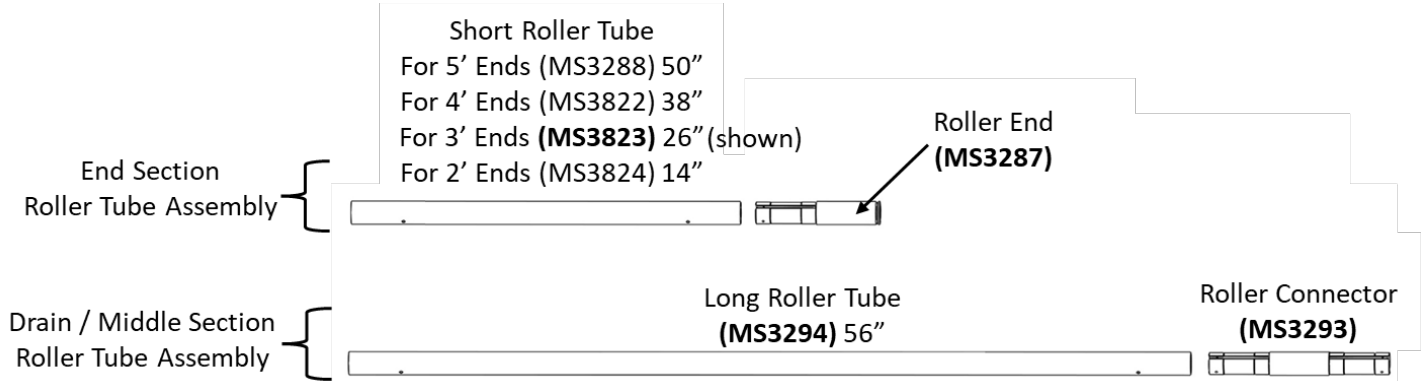
Continue leveling arch assemblies moving from the drain end towards the last arch assembly. When completed, every arch assembly should be level from left to right even if the floor is not level. If drainage is required, the frame tubes between arches should slope downward from the last arch assembly to the first arch assembly (drain end) according to the charts in [Appendix B](#).



Step 6. Roller Tube Assembly

Attach one roller end to one end of each short roller tube using 10-32 x 1/2" thread cutting hex head screws.

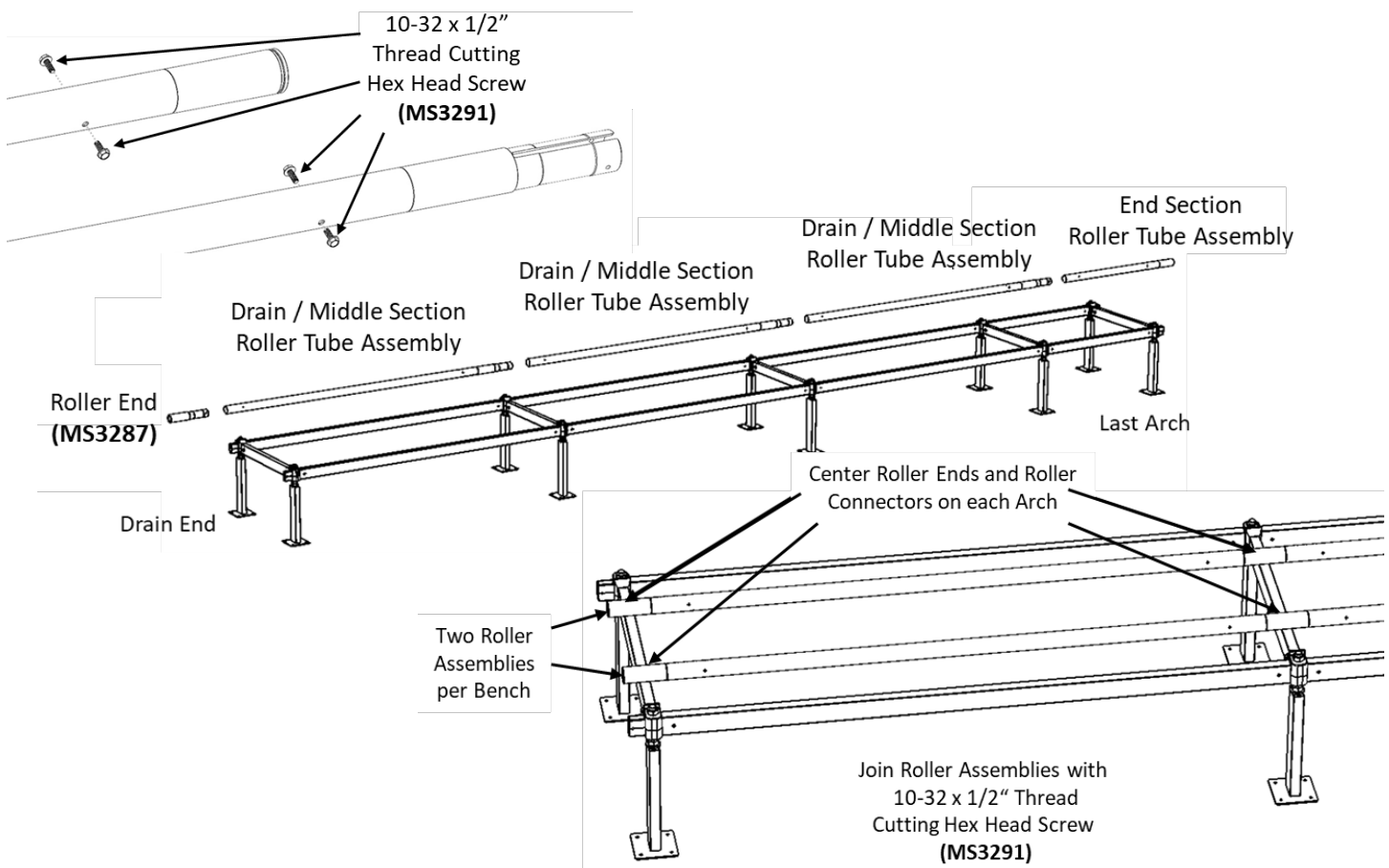
Attach one roller connector to one end of each long roller tube using 10-32 x 1/2" thread cutting hex head screws.



Use drill with clutch! Do not overtighten screws as this will strip the threads.



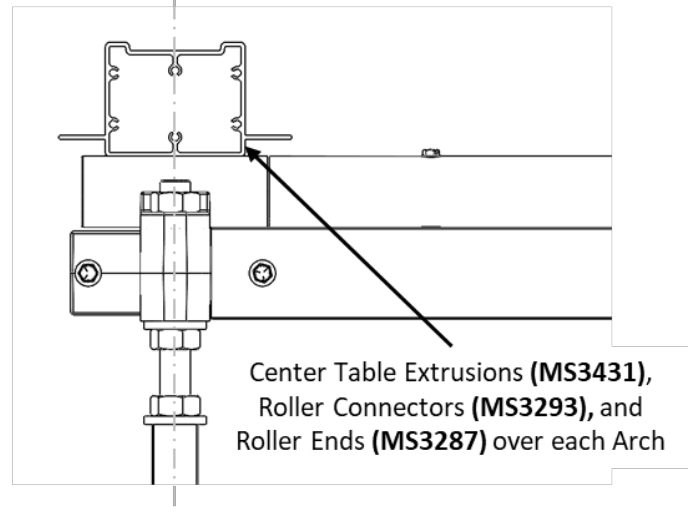
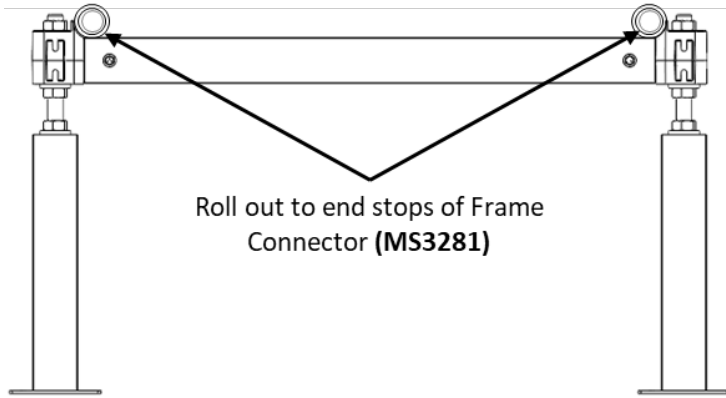
Continue making these subassemblies in batches to save on overall assembly time.



Step 7. Table Assembly



Roll each roller assembly to the outside stops to provide a stable platform for assembly of the table.



Use drill with clutch! Do not overtighten screws as this will strip the threads.

Attach corner brackets to the table tubes



Only 4 of every 5 table tubes get corner brackets attached.

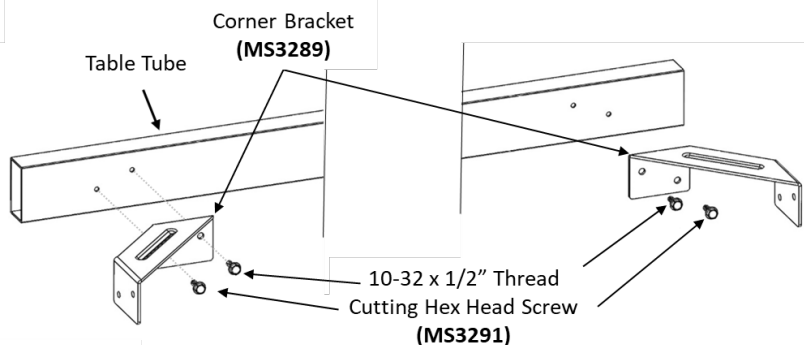


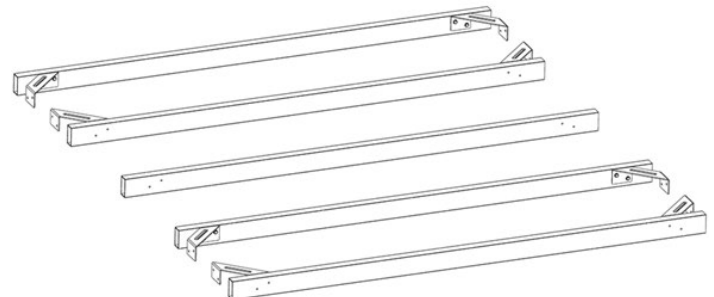
Table Tubes
Drain/Middle Sections (MS3295) 57"

For 5' Ends (MS3290) 51"

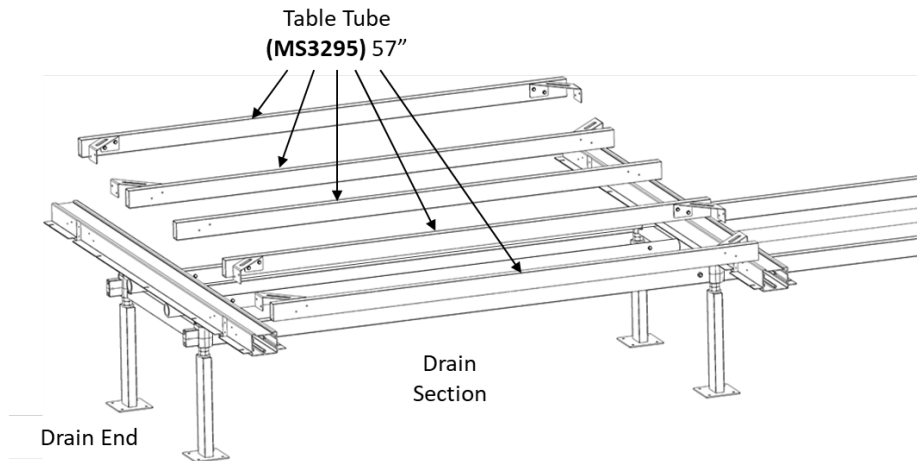
For 4' Ends (MS3809) 39"

For 3' Ends (MS3810) 27"

For 2' Ends (MS3821) 15"



Assemble the tabletop in sections as you continue to work down the length of the bench.

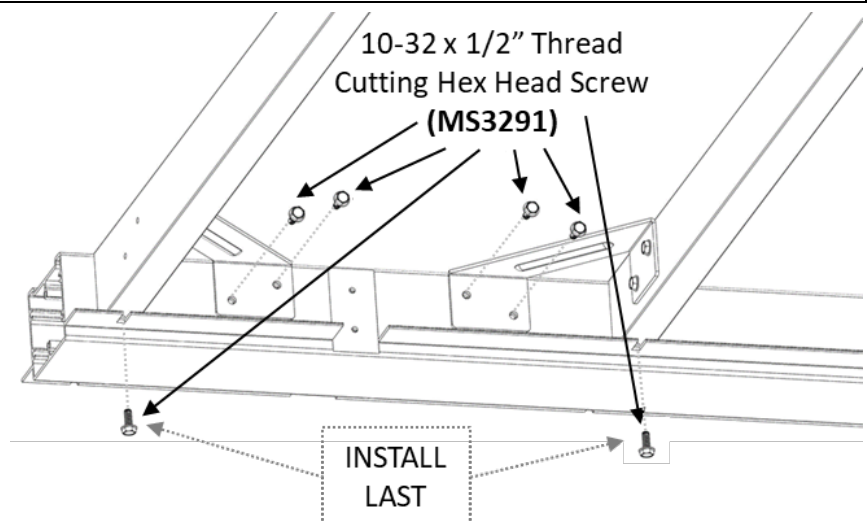


Use drill with clutch! Do not overtighten screws as this will strip the threads.

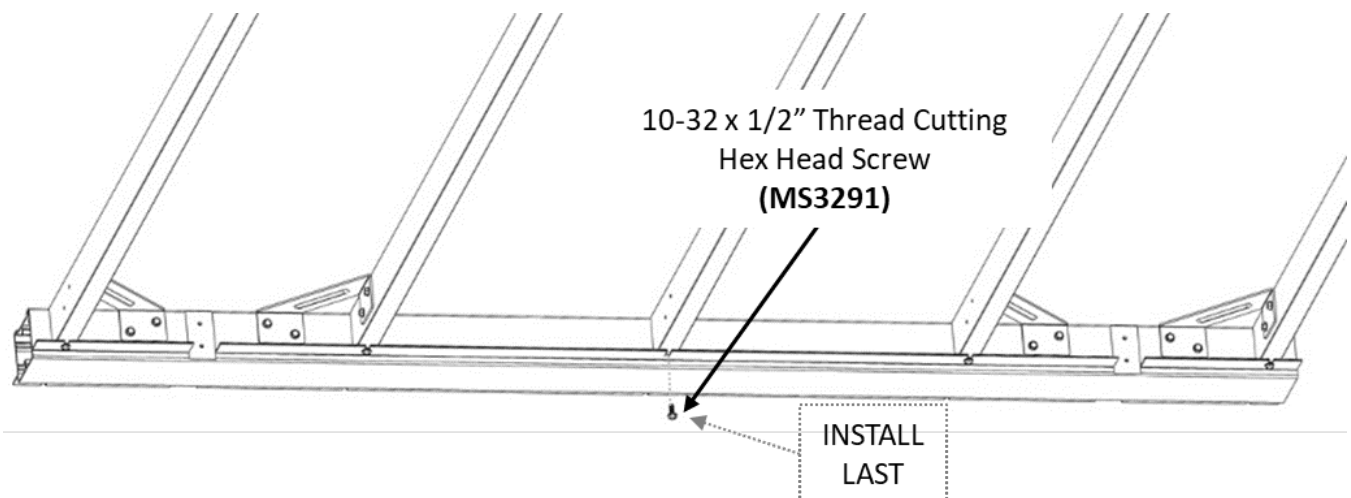


Install bottom screws last for a better fit between tubes and extrusion.

Install outer tubes first

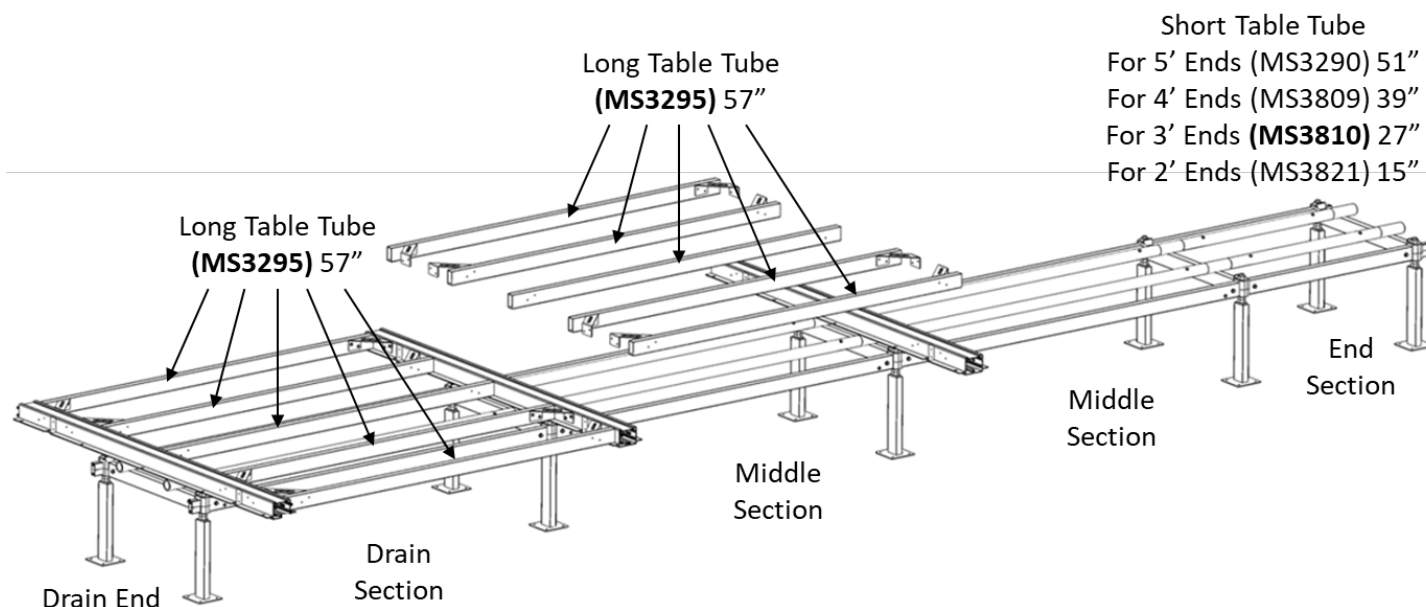


Install middle tube after outer tubes





At this stage of assembly, the table is resting on the rollers. If moved off center or if weight is placed on one side, the table could tip off the rollers and frame causing damage or injury.

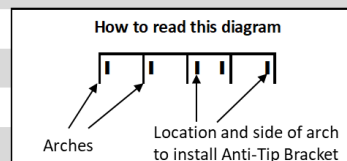


Repeat the assembly steps as described in this step for subsequent sections until you reach the end of the bench. The end section will use table tubes that are shorter than the drain section and middle section(s).

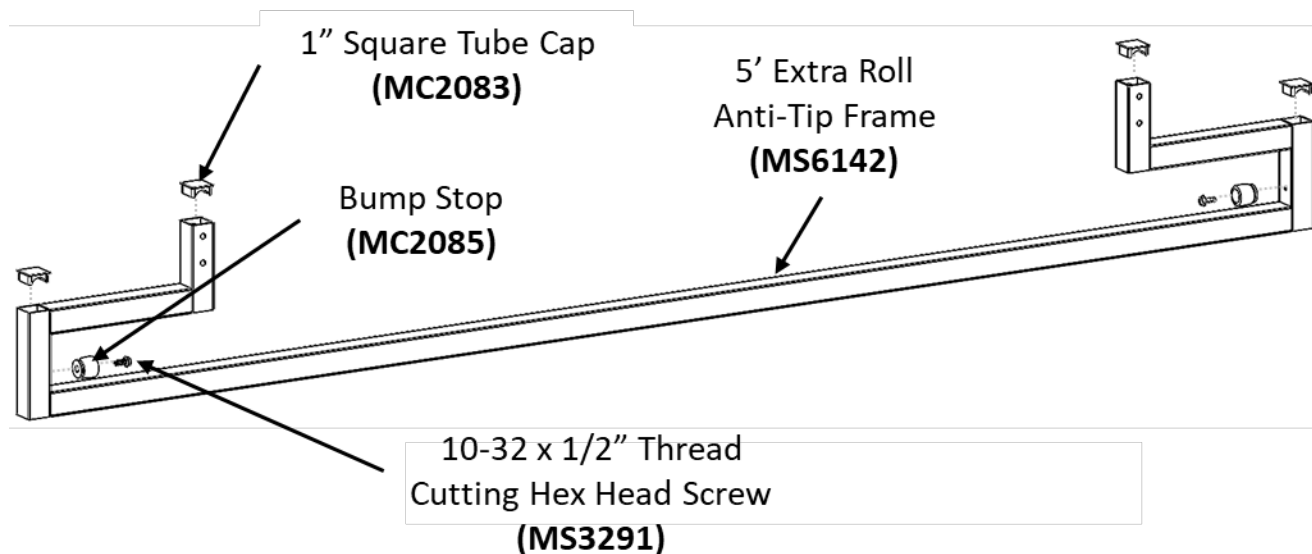
Step 8. Installation of Anti-Tip

Install anti-tip brackets at the arch locations shown in the below chart.

Bench Length Range (ft)	Number of Anti-tip Kits	
7.5 to 10.5	3	
12.5 to 15.5	4	
17.5 to 20.5	5	
22.5 to 25.5	6	
27.5 to 30.5	7	
32.5 to 35.5	8	
37.5 to 40.5	9	
42.5 to 45.5	10	
47.5 to 50.5	11	
52.5 to 55.5	12	
57.5 to 60.5	13	
62.5 to 65.5	14	
67.5 to 70.5	15	
72.5 to 75.5	16	
77.5 to 80.5	17	
82.5 to 85.5	18	
87.5 to 90.5	19	
92.5 to 95.5	20	
97.5 to 100.5	21	
		Arch # 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21



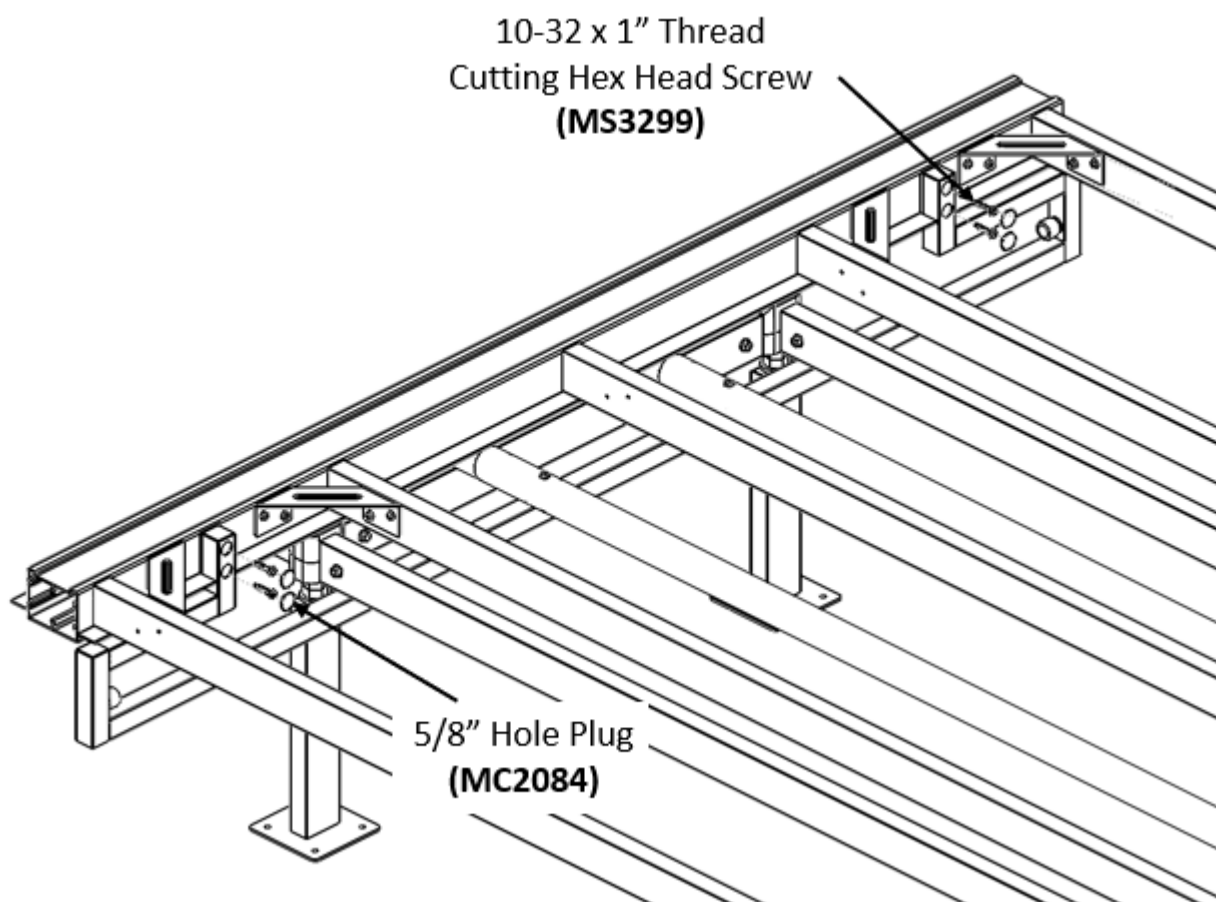
Create anti-tip assemblies as shown below.



Install the anti-tip assemblies as described by the chart above.

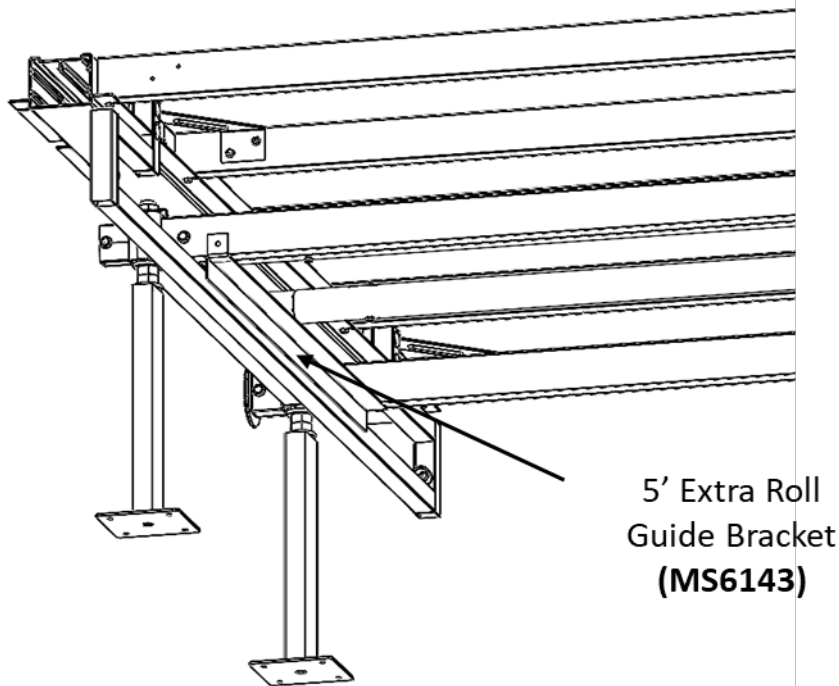


The screws used for installing the anti-tip assemblies to the table extrusions are 1" in length, not 1/2" in length.





The guide bracket prevents the table from shifting towards the drain over time due to the bench rolling back and forth on a slope. A properly installed guide bracket is critical for bench performance.



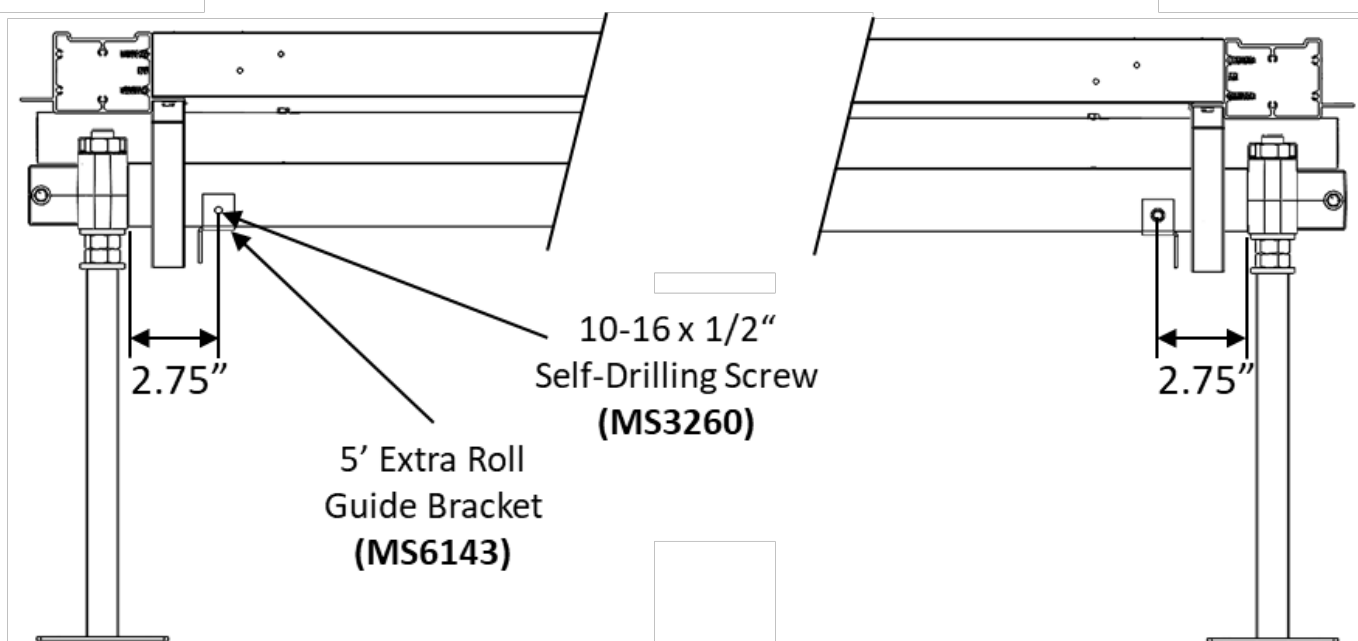
There are no manufactured holes on the frame tubes for this screw. The screws used for installing the guide bracket are self-drilling and will create their own hole.



For 5' Extra Roll benches, Botanicare® recommends installing every other guide bracket to save on overall install time. Installing every anti-tip frame is still recommended.

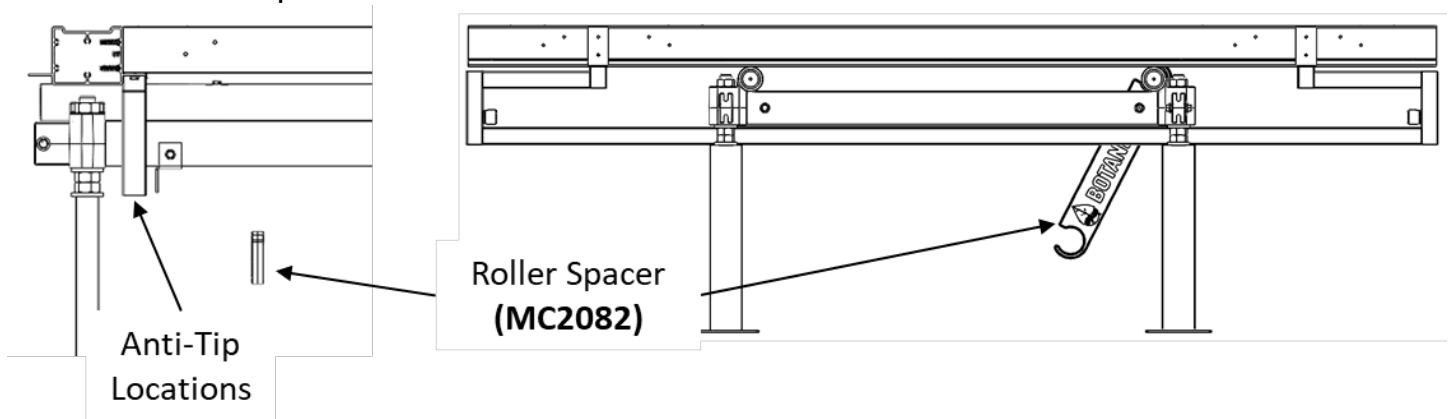
Drain End

Last Arch



Step 9. Installation of Roller Spacers

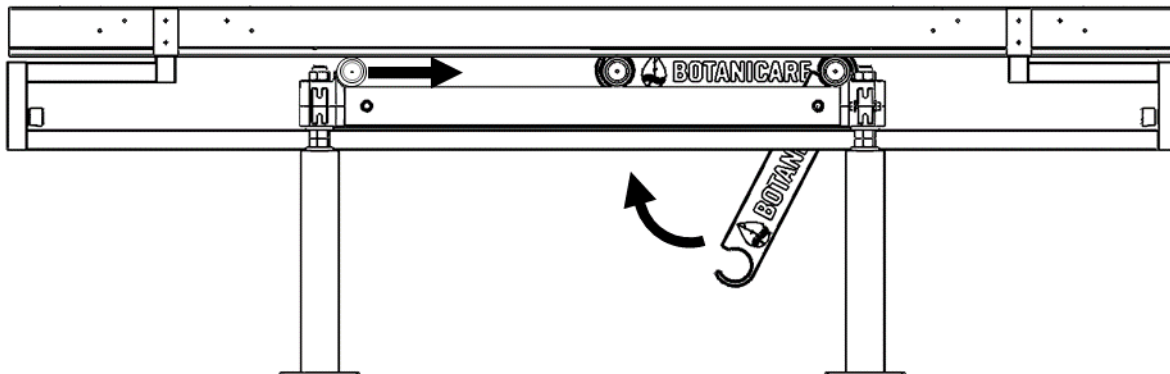
Roller spacers are installed at every anti-tip location. They snap over the roller tubes. Snap one end of the roller spacer onto a roller tube.



Pull the other roller tube toward the roller spacer. Snap the other end of the roller spacer onto the roller tube.

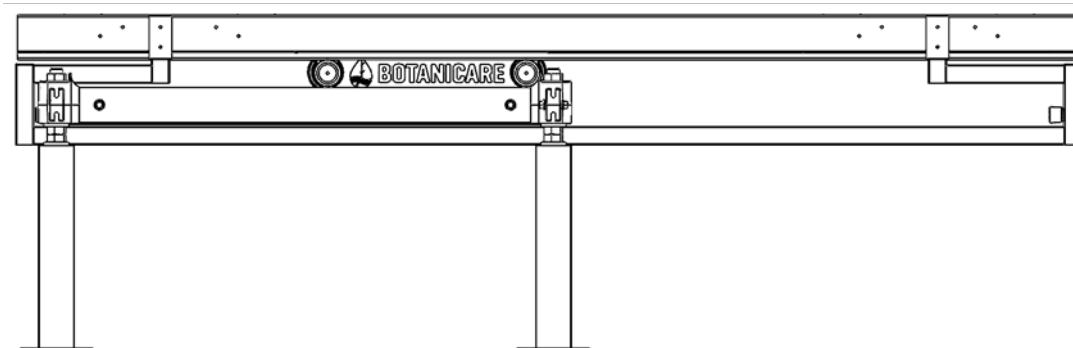
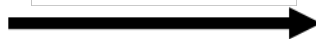


Multiple people may be needed to move the roller tube into position. Be wary of pinch points when moving the roller tube.

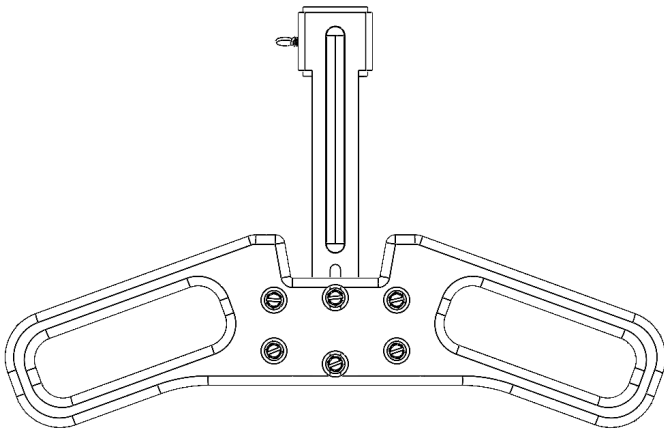


Pull the table all the way to one side. Make sure the roller connectors/ends reach all the way to the frame connector. You should have 27" of total travel for the table. Adjust as necessary to achieve full travel.

Pull to Stops

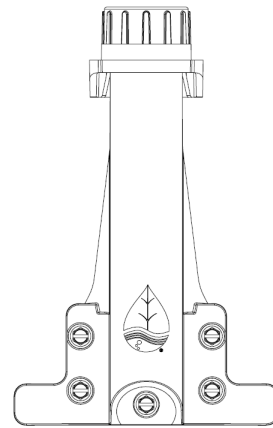


Step 10. Installation of Trellis Mounts



Standard Trellis Mount

Skip to Step 10a (page 28)



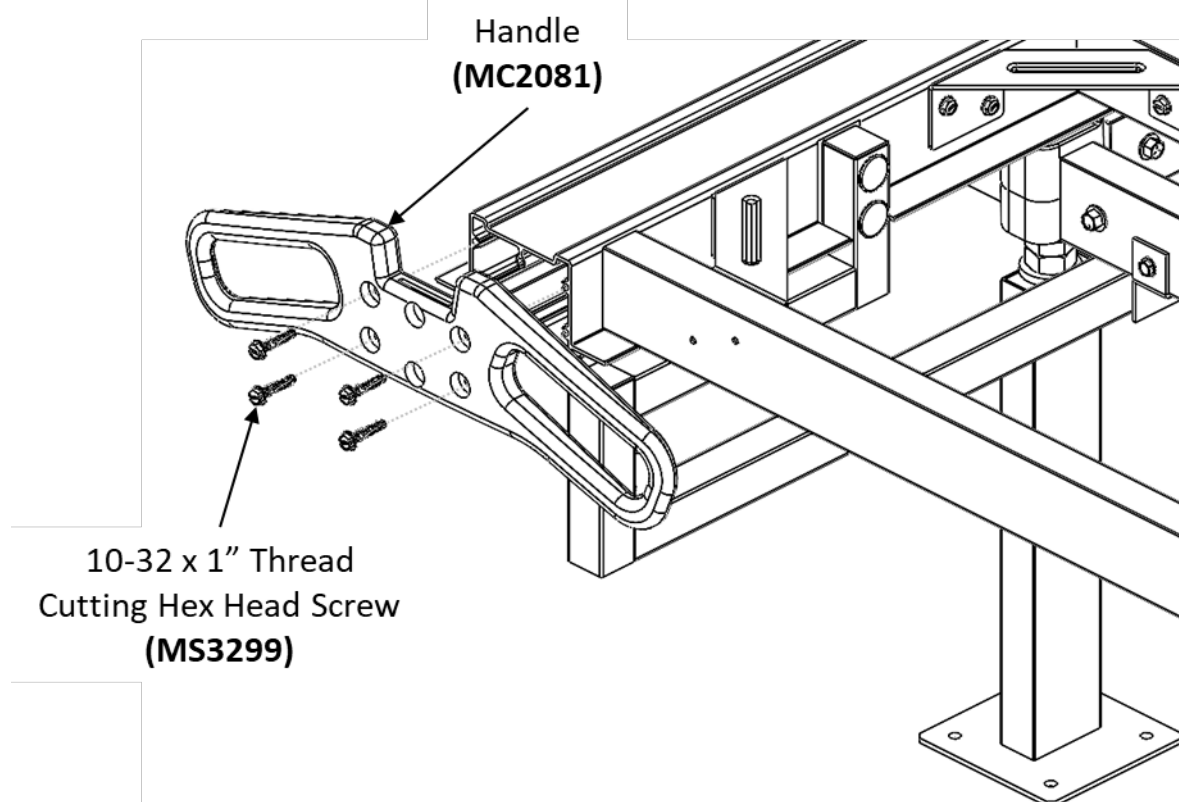
TriLock™ Trellising Support

Skip to Step 10b (page 29)



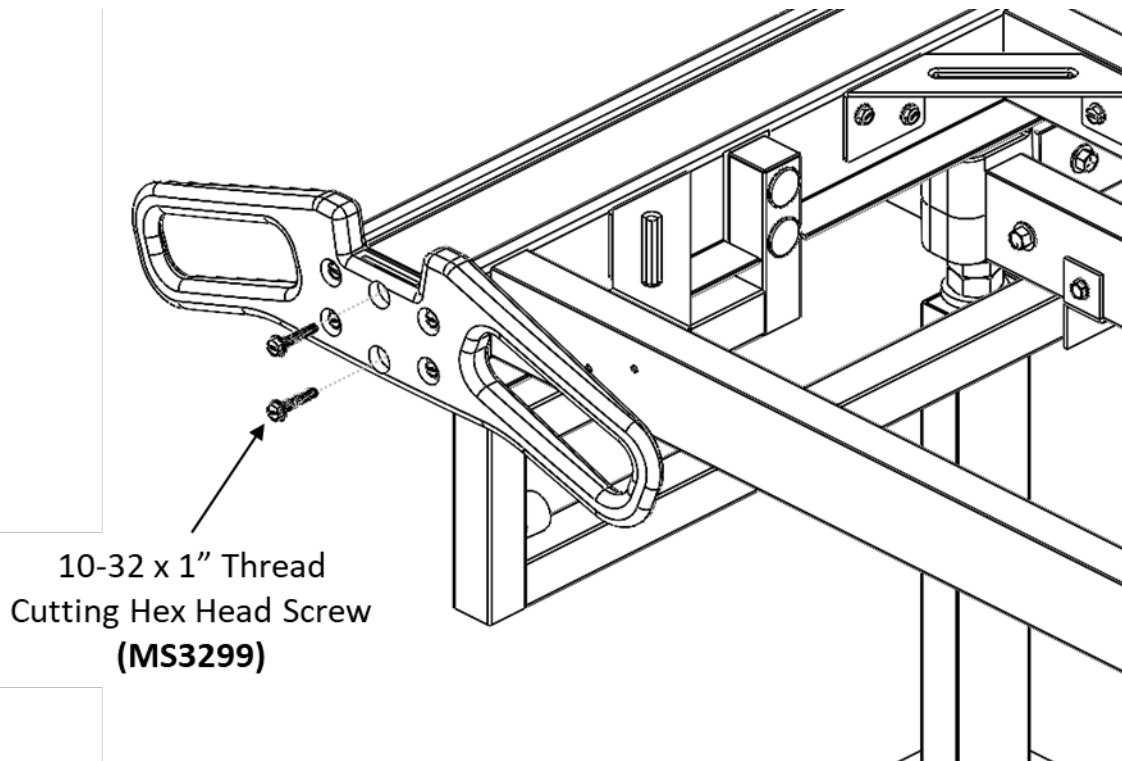
The screws used for installing both trellis mount options to the table extrusions are **1" in length, not 1/2" in length.**

Step 10a. Installation of Standard Trellis Mounts





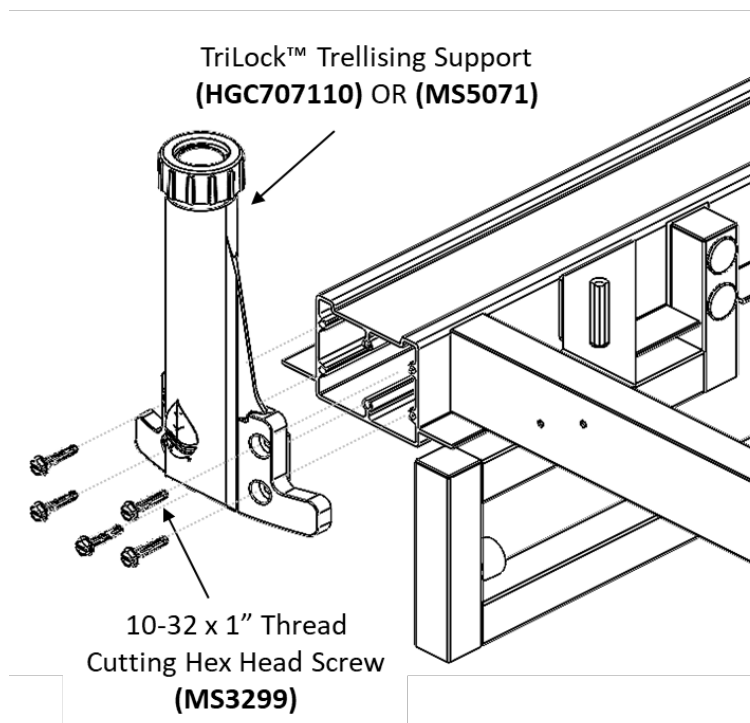
Install center screws last, leaving approximately 1/4" clearance for trellis bracket



10-32 x 1" Thread
Cutting Hex Head Screw
(MS3299)

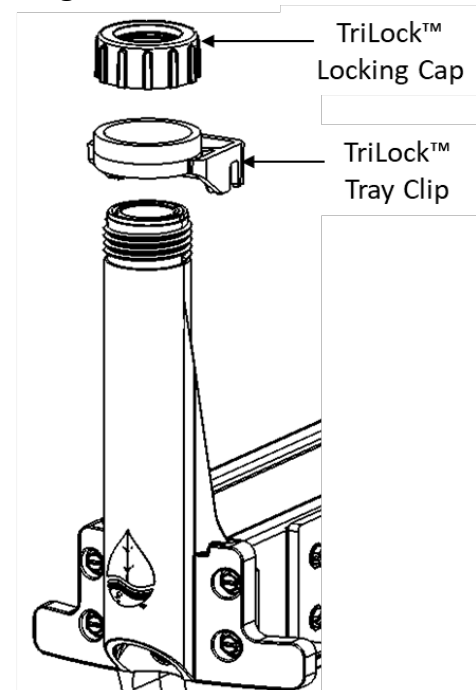
Step 10b. Assembly of TriLock™ Trellising Support

Install TriLock™ trellising support with 10-32 x 1" thread cutting hex head screws.



TriLock™ Trellising Support
(HGC707110) OR (MS5071)

10-32 x 1" Thread
Cutting Hex Head Screw
(MS3299)



Remove the locking cap and tray clip from all TriLock™ trellising supports. Store these somewhere safe in preparation for the tray installation.

Step 11. Tray Assembly



For Gutter Trays, refer to the Assembly Instructions that can be found by scanning the QR code on the right or by visiting the [benching page on botanicare.com](https://botanicare.com).

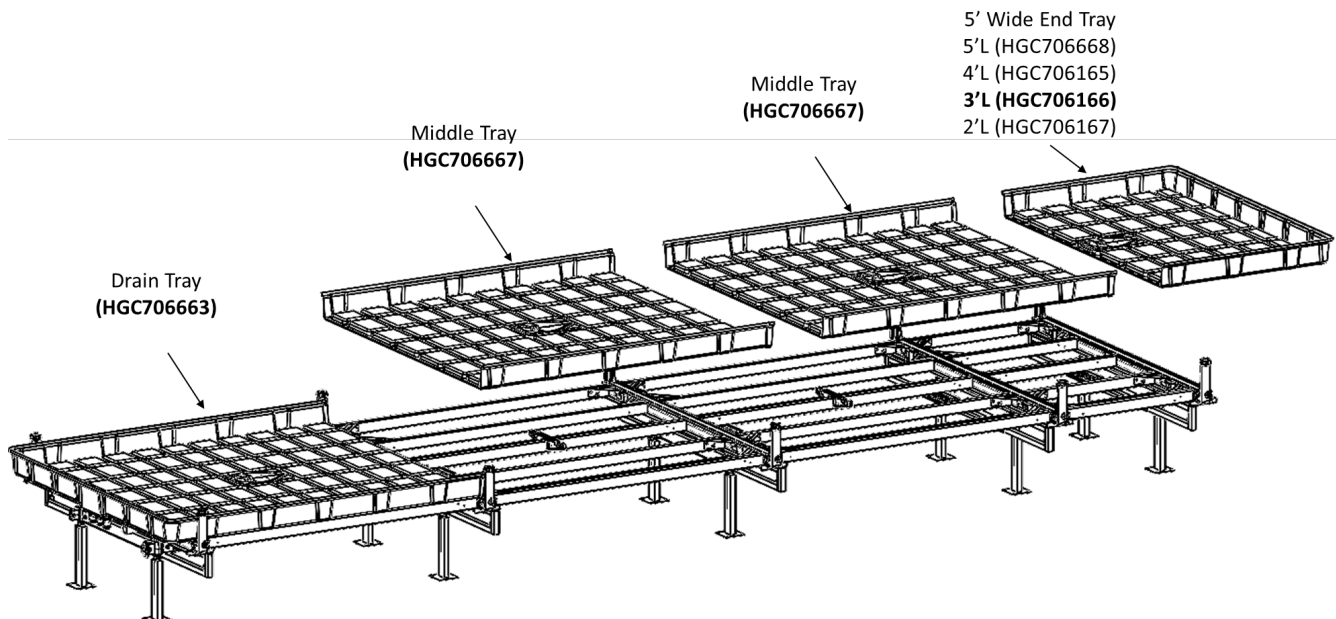


Before using BOND THREE lap tray sealant adhesive, dry fit all trays on the table to make sure all seams fall into the recess in the table extrusions.

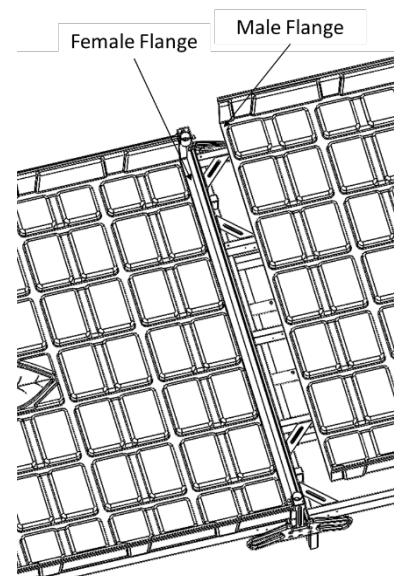


Before using BOND THREE lap tray sealant adhesive, carefully read and follow all warnings and directions for use on package and in instructions.

Dry fit trays to the table, making sure the logo on the tray is facing the same direction with the bottom of the waterdrop pointing towards the drain section.



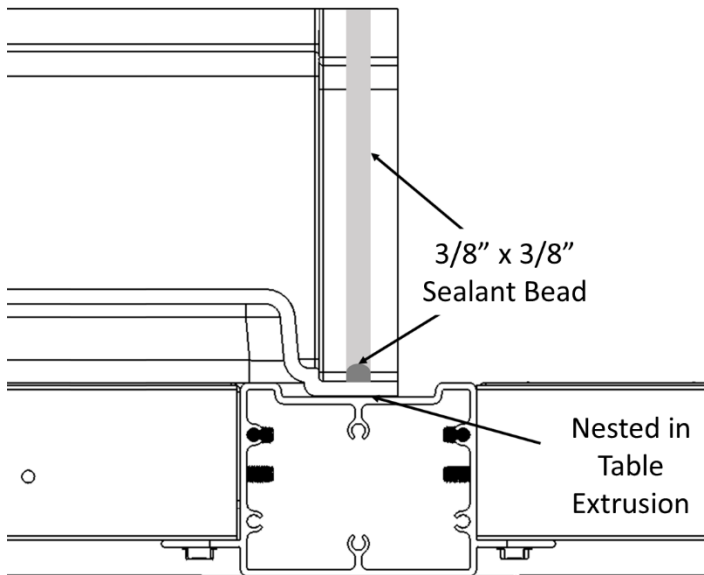
Clean all bonding surfaces (areas where the male and female flanges of the trays interact) of the trays using isopropyl alcohol and clean cloths. Beginning with the drain tray, bond the tray seam to the adjacent tray with BOND THREE lap tray sealant.



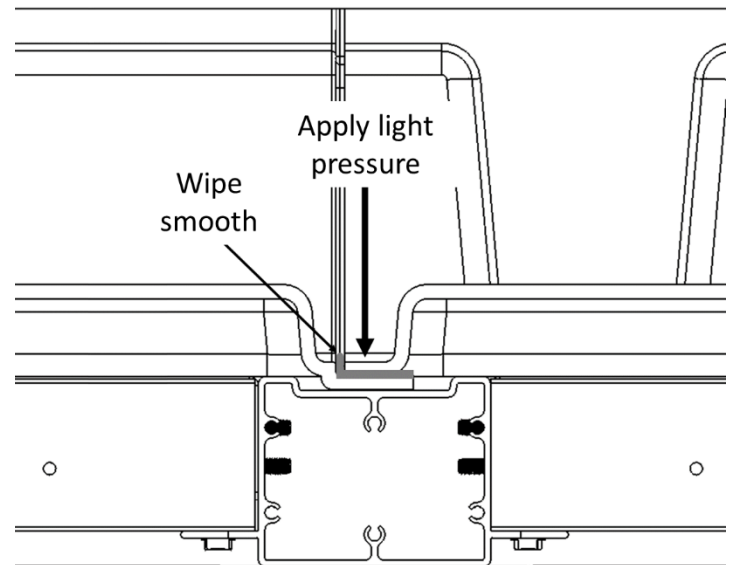
Complete all tray adjustments within 15 minutes of applying sealant. After 15 minutes, do not move or handle trays for 24 hours.



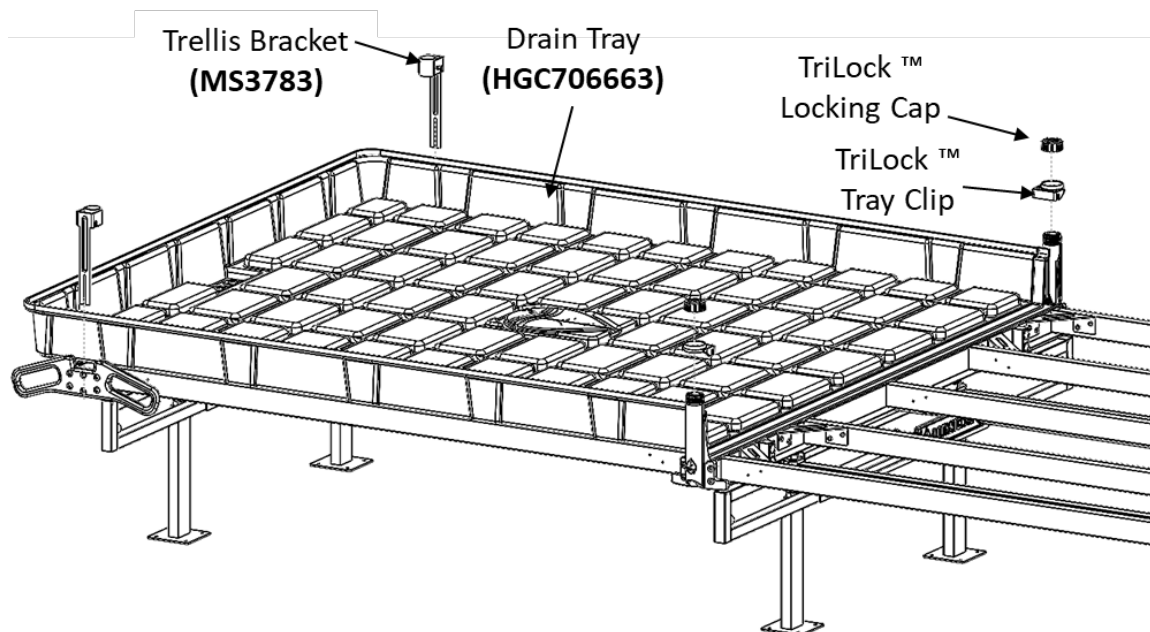
Applying too much pressure on the seam will force BOND THREE out of the seam and can result in leaks. Only light pressure is required.



Use a caulk gun according to the BOND THREE lap tray sealant instructions to apply the sealant adhesive to the female flange of the tray. Continue bonding trays until the end of the bench is reached.

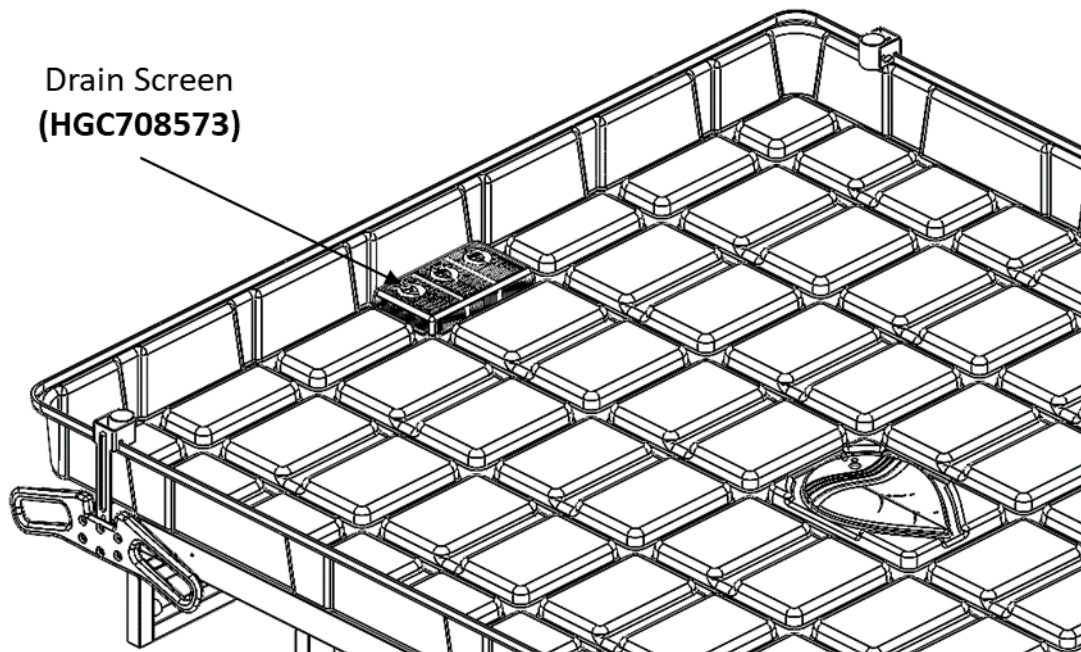


Install trellis brackets (for standard trellis mount) or tray clips and locking cap (for TriLock™ trellising support) to keep trays aligned and the tray joints held tightly.



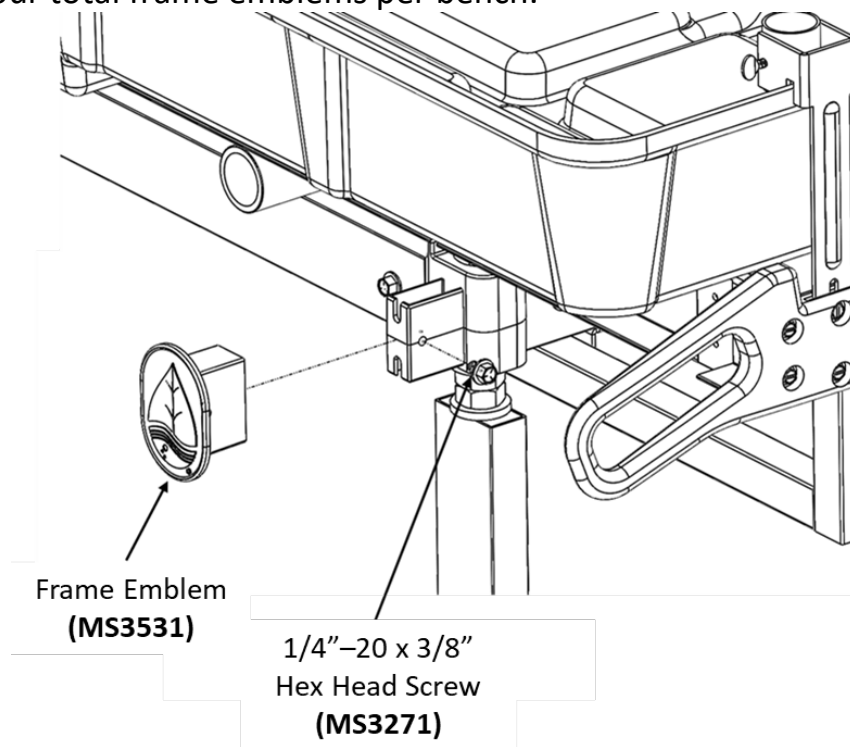
Drill out holes in the drain tray to a diameter of 1 3/8" (35mm) using the 1 3/8" step drill bit. Do not drill out to a size larger than 1 1/2" (38mm). Clean the area of any plastic chips that may interfere with the seal of the bulkhead fitting. Assemble the provided bulkhead fitting(s) as required to the drain tray.

Install the drain screen on the drain tray. The Botanicare® logo on the drain screen matches the directions of the Botanicare® logos on the trays.

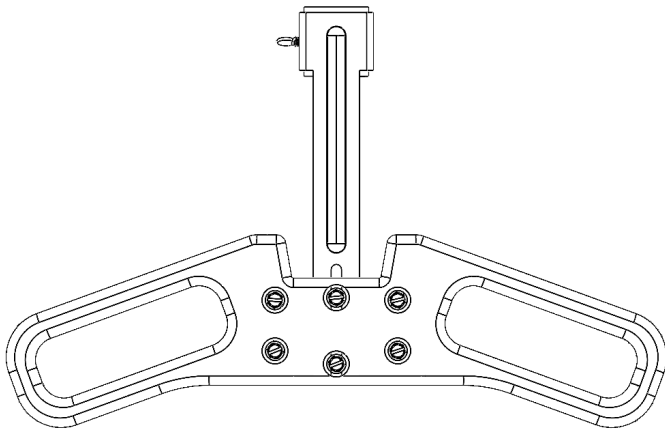


Step 12. Frame Emblems

Install frame emblems using the shown fastener. There are two frame emblems for each end of the bench, for four total frame emblems per bench.

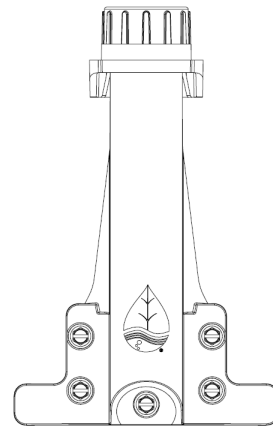


Step 13. Trellising



Standard Trellis Mount

Skip to Step 13a (page 32)



TriLock™ Trellising Support

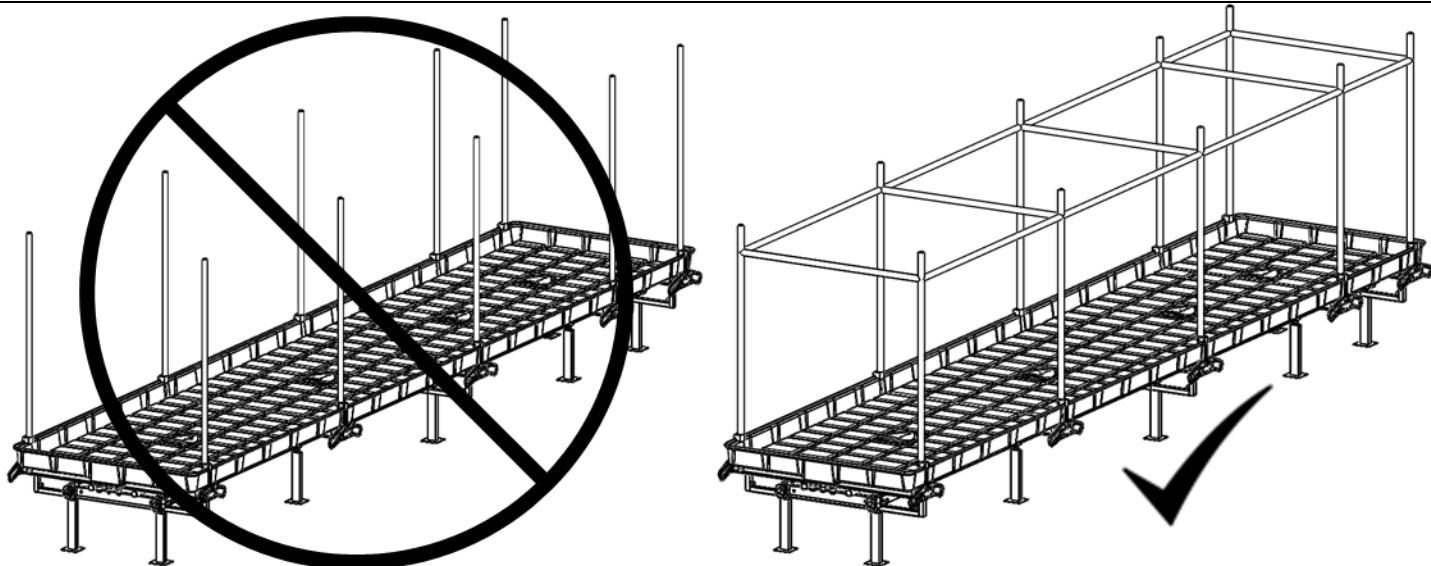
Skip to Step 13b (page 33)

Step 13a. Trellising with the Standard Trellis Mount

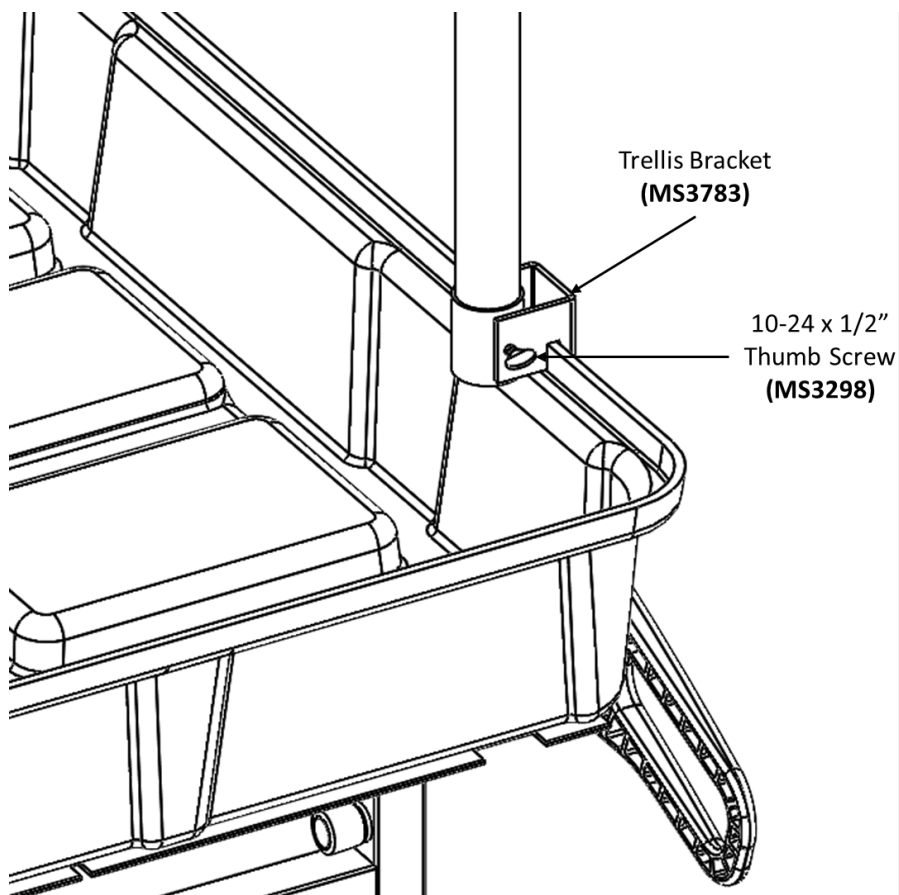
The standard trellis mount accepts 1" EMT and 3/4" PVC tubing.



The standard trellis mount requires a “fully-caged” setup. This provides the best support for plants and prevents poles and trellis brackets from bending under the weight of plant canopy.



Install the trellis pole into the hole of the trellis bracket as far as it can go. Tighten the thumb screw to secure the trellis pole.

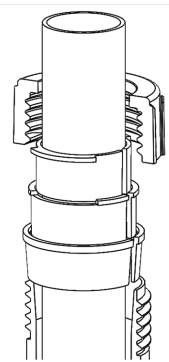
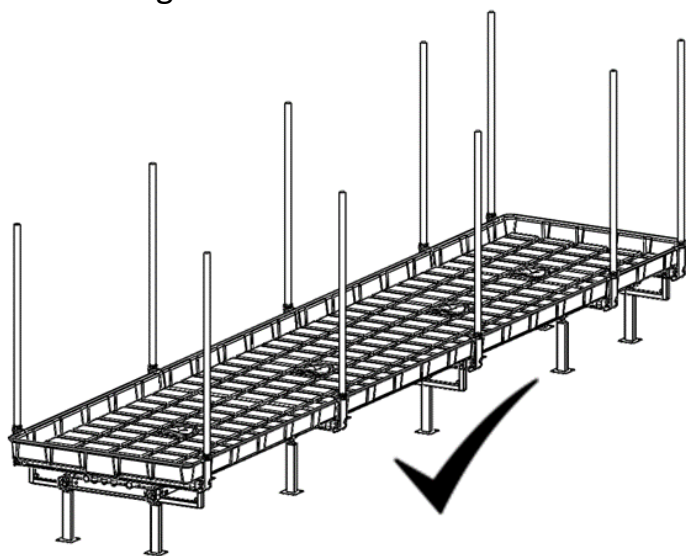


Step 13b. Trellising with the TriLock™ Trellising Supports

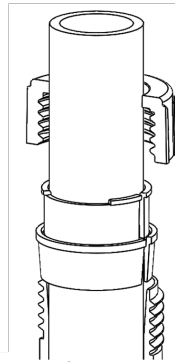


The TriLock™ trellising supports are strong enough with single poles to hold the weight of most plant canopies.

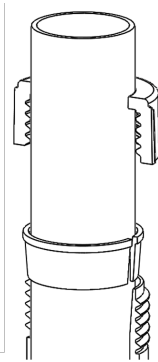
The TriLock™ Trellising Supports are designed to accommodate 3/4" EMT, 3/4" PVC, and 1" EMT tubing.



3/4" EMT
(0.922" OD)
Requires all
three bushings

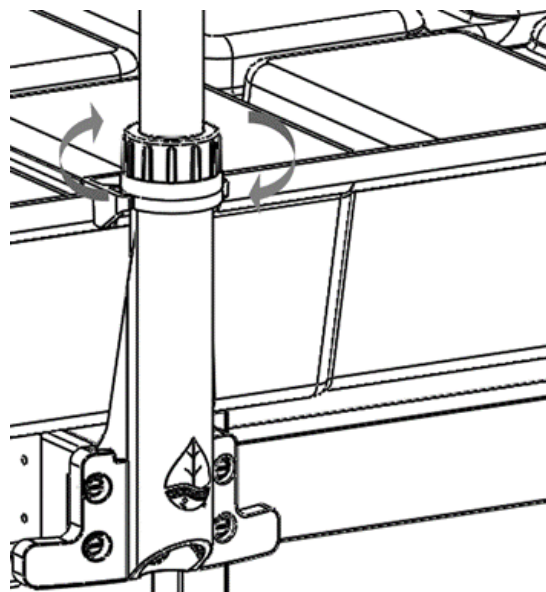
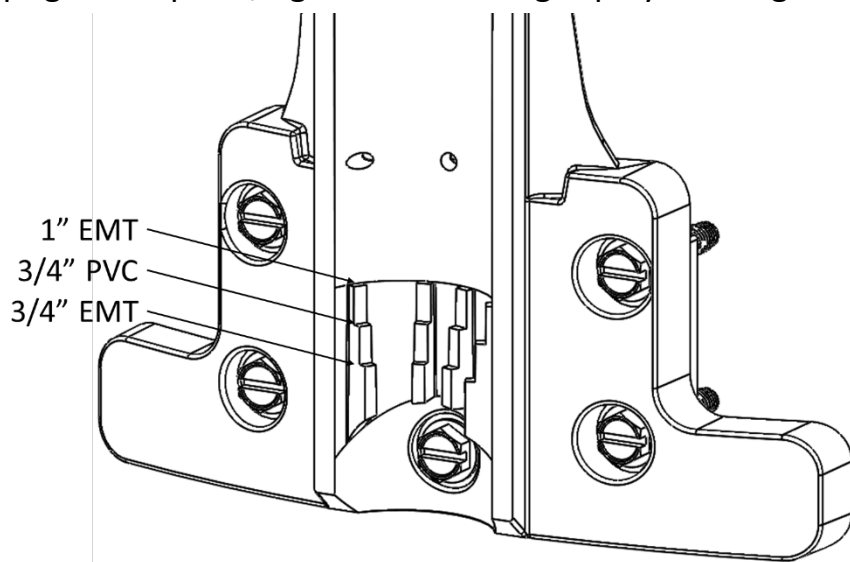


3/4" PVC
(1.050" OD)
Requires outer &
middle bushings



1" EMT
(1.163" OD)
Requires only the
outer bushing

Insert the upright. Ensure the upright sits on the correct shelf in the upright support. Once the upright is in place, tighten the locking cap by rotating clockwise.



Appendix A: Bench Lengths vs. Dimension L

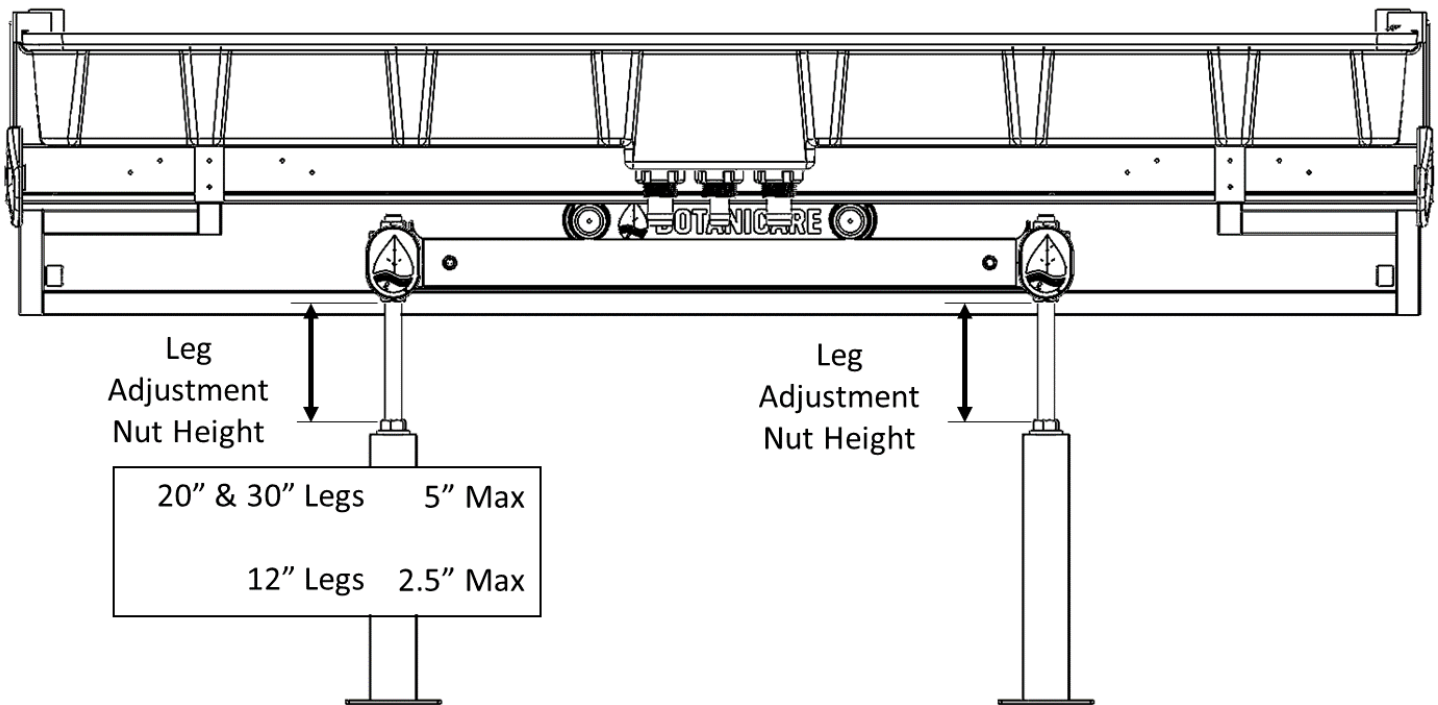
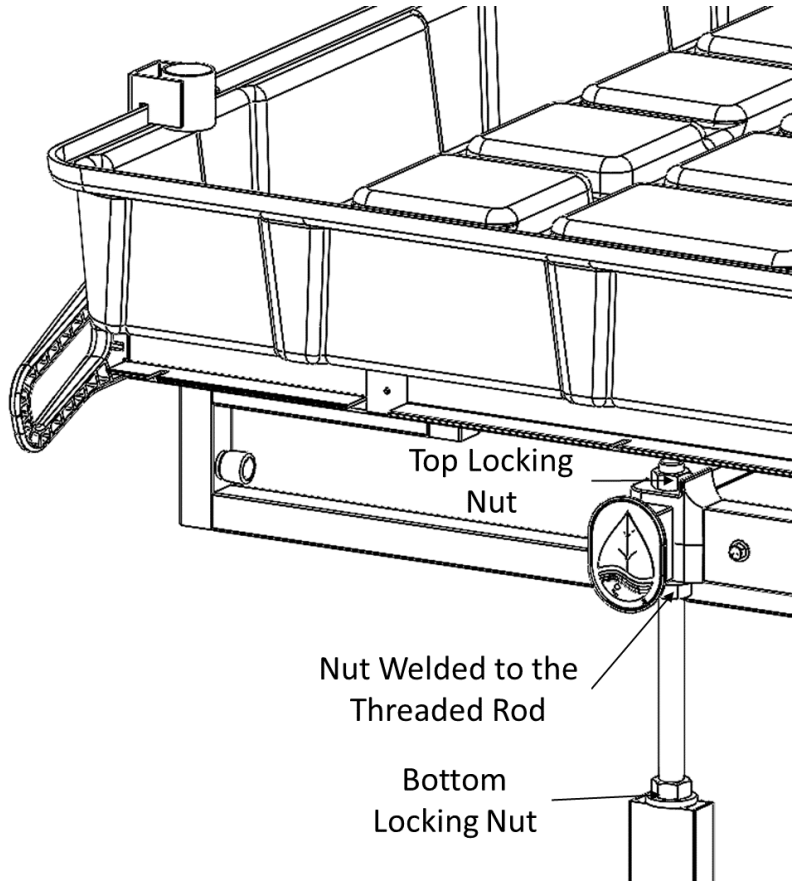
Bench Length (ft)	Dimension L (in)	Bench Length (ft)	Dimension L (in)	Bench Length (ft)	Dimension L (in)	Bench Length (ft)	Dimension L (in)
7.5	78	54.5	642	30.5	354	78.5	930
8.5	90	55.5	654	32.5	378	79.5	942
9.5	102	57.5	678	33.5	390	80.5	954
10.5	114	58.5	690	34.5	402	82.5	978
12.5	138	59.5	702	35.5	414	83.5	990
13.5	150	60.5	714	37.5	438	84.5	1002
14.5	162	62.5	738	38.5	450	85.5	1014
15.5	174	63.5	750	39.5	462	87.5	1038
17.5	198	64.5	762	40.5	474	88.5	1050
18.5	210	65.5	774	42.5	498	89.5	1062
19.5	222	67.5	798	43.5	510	90.5	1074
20.5	234	68.5	810	44.5	522	92.5	1098
22.5	258	69.5	822	45.5	534	93.5	1110
23.5	270	70.5	834	47.5	558	94.5	1122
24.5	282	72.5	858	48.5	570	95.5	1134
25.5	294	73.5	870	49.5	582	97.5	1158
27.5	318	74.5	882	50.5	594	98.5	1170
28.5	330	75.5	894	52.5	618	99.5	1182
29.5	342	77.5	918	53.5	630	100.5	1194

Appendix B: Slope for Drainage

If the assembled bench is to include slope for drainage, use the table below to assemble each leg assembly with the appropriate height.

Leg adjustment nut heights on both sides of a single leg assembly should allow for the bench to be level from side to side, even if the floor is not level.

Set the height by loosening the bottom and top locking nuts and rotating the nut welded to the threaded rod to move the table up and down. Once the height is set according to the table below, hold the nut welded to the threaded rod fixed and tighten the top locking nut. Then hold the nut welded to the threaded rod fixed and tighten the bottom locking nut.



20" and 30" Benches – Arch Adjustment Nut Height in Inches

Bench Length (ft)	Arch 1 (Drain)	Arch 2	Arch 3	Arch 4	Arch 5	Arch 6	Arch 7	Arch 8	Arch 9	Arch 10	Arch 11	Arch 12	Arch 13
7.5	0	5/8	13/16										
8.5	0	5/8	15/16										
9.5	0	5/8	1 1/16										
10.5	0	5/8	1 1/4										
12.5	0	5/8	1 1/4	1 7/16									
13.5	0	5/8	1 1/4	1 9/16									
14.5	0	5/8	1 1/4	1 11/16									
15.5	0	5/8	1 1/4	1 7/8									
17.5	0	5/8	1 1/4	1 7/8	2 1/16								
18.5	0	5/8	1 1/4	1 7/8	2 3/16								
19.5	0	5/8	1 1/4	1 7/8	2 5/16								
20.5	0	5/8	1 1/4	1 7/8	2 1/2								
22.5	0	5/8	1 1/4	1 7/8	2 1/2	2 11/16							
23.5	0	5/8	1 1/4	1 7/8	2 1/2	2 13/16							
24.5	0	5/8	1 1/4	1 7/8	2 1/2	2 15/16							
25.5	0	5/8	1 1/4	1 7/8	2 1/2	3 1/8							
27.5	0	5/8	1 1/4	1 7/8	2 1/2	3 1/8	3 5/16						
28.5	0	5/8	1 1/4	1 7/8	2 1/2	3 1/8	3 7/16						
29.5	0	5/8	1 1/4	1 7/8	2 1/2	3 1/8	3 9/16						
30.5	0	5/8	1 1/4	1 7/8	2 1/2	3 1/8	3 3/4						
32.5	0	5/8	1 1/4	1 7/8	2 1/2	3 1/8	3 3/4	3 15/16					
33.5	0	5/8	1 1/4	1 7/8	2 1/2	3 1/8	3 3/4	4 1/16					
34.5	0	5/8	1 1/4	1 7/8	2 1/2	3 1/8	3 3/4	4 3/16					
35.5	0	5/8	1 1/4	1 7/8	2 1/2	3 1/8	3 3/4	4 3/8					
37.5	0	5/8	1 1/4	1 7/8	2 1/2	3 1/8	3 3/4	4 3/8	4 9/16				
38.5	0	5/8	1 1/4	1 7/8	2 1/2	3 1/8	3 3/4	4 3/8	4 11/16				
39.5	0	5/8	1 1/4	1 7/8	2 1/2	3 1/8	3 3/4	4 3/8	4 13/16				
40.5	0	5/8	1 1/4	1 7/8	2 1/2	3 1/8	3 3/4	4 3/8	5				
42.5	0	1/2	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/8			
43.5	0	1/2	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4			
44.5	0	1/2	1	1 1/2	2	2 1/2	3	3 1/2	4	4 3/8			
45.5	0	1/2	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2			
47.5	0	1/2	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	4 5/8		
48.5	0	1/2	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	4 3/4		
49.5	0	1/2	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	4 7/8		
50.5	0	1/2	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5		
52.5	0	7/16	7/8	1 5/16	1 3/4	2 3/16	2 5/8	3 1/16	3 1/2	3 15/16	4 3/8	4 1/2	
53.5	0	7/16	7/8	1 5/16	1 3/4	2 3/16	2 5/8	3 1/16	3 1/2	3 15/16	4 3/8	4 5/8	
54.5	0	7/16	7/8	1 5/16	1 3/4	2 3/16	2 5/8	3 1/16	3 1/2	3 15/16	4 3/8	4 11/16	
55.5	0	7/16	7/8	1 5/16	1 3/4	2 3/16	2 5/8	3 1/16	3 1/2	3 15/16	4 3/8	4 13/16	
57.5	0	3/8	3/4	1 1/8	1 1/2	1 7/8	2 1/4	2 5/8	3	3 3/8	3 3/4	4 1/8	4 1/4
58.5	0	3/8	3/4	1 1/8	1 1/2	1 7/8	2 1/4	2 5/8	3	3 3/8	3 3/4	4 1/8	4 5/16
59.5	0	3/8	3/4	1 1/8	1 1/2	1 7/8	2 1/4	2 5/8	3	3 3/8	3 3/4	4 1/8	4 3/8
60.5	0	3/8	3/4	1 1/8	1 1/2	1 7/8	2 1/4	2 5/8	3	3 3/8	3 3/4	4 1/8	4 1/2
	Arch 1 (Drain)	Arch 2	Arch 3	Arch 4	Arch 5	Arch 6	Arch 7	Arch 8	Arch 9	Arch 10	Arch 11	Arch 12	Arch 13

20" and 30" Benches – Arch Adjustment Nut Height in Inches

Bench Length (ft)	Arch 1 (Drain)	Arch 2	Arch 3	Arch 4	Arch 5	Arch 6	Arch 7	Arch 8	Arch 9	Arch 10	Arch 11	Arch 12	Arch 13	Arch 14	Arch 15	Arch 16	Arch 17	Arch 18	Arch 19	Arch 20	Arch 21
62.5	0	3/8	3/4	1 1/8	1 1/2	1 7/8	2 1/4	2 5/8	3	3 3/8	3 3/4	4 1/8	4 1/2	4 5/8							
63.5	0	3/8	3/4	1 1/8	1 1/2	1 7/8	2 1/4	2 5/8	3	3 3/8	3 3/4	4 1/8	4 1/2	4 11/16							
64.5	0	3/8	3/4	1 1/8	1 1/2	1 7/8	2 1/4	2 5/8	3	3 3/8	3 3/4	4 1/8	4 1/2	4 3/4							
65.5	0	3/8	3/4	1 1/8	1 1/2	1 7/8	2 1/4	2 5/8	3	3 3/8	3 3/4	4 1/8	4 1/2	4 7/8							
67.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8	2 3/16	2 1/2	2 13/16	3 1/8	3 7/16	3 3/4	4 1/16	4 3/16						
68.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8	2 3/16	2 1/2	2 13/16	3 1/8	3 7/16	3 3/4	4 1/16	4 1/4						
69.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8	2 3/16	2 1/2	2 13/16	3 1/8	3 7/16	3 3/4	4 1/16	4 5/16						
70.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8	2 3/16	2 1/2	2 13/16	3 1/8	3 7/16	3 3/4	4 1/16	4 3/8						
72.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8	2 3/16	2 1/2	2 13/16	3 1/8	3 7/16	3 3/4	4 1/16	4 3/8	4 1/2					
73.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8	2 3/16	2 1/2	2 13/16	3 1/8	3 7/16	3 3/4	4 1/16	4 3/8	4 9/16					
74.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8	2 3/16	2 1/2	2 13/16	3 1/8	3 7/16	3 3/4	4 1/16	4 3/8	4 5/8					
75.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8	2 3/16	2 1/2	2 13/16	3 1/8	3 7/16	3 3/4	4 1/16	4 3/8	4 11/16					
77.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8	2 3/16	2 1/2	2 13/16	3 1/8	3 7/16	3 3/4	4 1/16	4 3/8	4 11/16	4 13/16				
78.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8	2 3/16	2 1/2	2 13/16	3 1/8	3 7/16	3 3/4	4 1/16	4 3/8	4 11/16	4 7/8				
79.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8	2 3/16	2 1/2	2 13/16	3 1/8	3 7/16	3 3/4	4 1/16	4 3/8	4 11/16	4 15/16				
80.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8	2 3/16	2 1/2	2 13/16	3 1/8	3 7/16	3 3/4	4 1/16	4 3/8	4 11/16	5				
82.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/16			
83.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/8			
84.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 3/16			
85.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4			
87.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 5/16		
88.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 3/8		
89.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 7/16		
90.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2		
92.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 9/16	
93.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 5/8	
94.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 11/16	
95.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	
97.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	4 13/16
98.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	4 7/8
99.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	4 15/16
100.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5
Arch 1 (Drain)		Arch 2	Arch 3	Arch 4	Arch 5	Arch 6	Arch 7	Arch 8	Arch 9	Arch 10	Arch 11	Arch 12	Arch 13	Arch 14	Arch 15	Arch 16	Arch 17	Arch 18	Arch 19	Arch 20	Arch 21

12" Benches – Arch Adjustment Nut Height in Inches

Bench Length (ft)	Arch 1 (Drain)	Arch 2	Arch 3	Arch 4	Arch 5	Arch 6	Arch 7	Arch 8	Arch 9	Arch 10	Arch 11	Arch 12	Arch 13
7.5	0	5/16	7/16										
8.5	0	5/16	1/2										
9.5	0	5/16	9/16										
10.5	0	5/16	5/8										
12.5	0	5/16	5/8	3/4									
13.5	0	5/16	5/8	13/16									
14.5	0	5/16	5/8	7/8									
15.5	0	5/16	5/8	15/16									
17.5	0	5/16	5/8	15/16	1 1/16								
18.5	0	5/16	5/8	15/16	1 1/8								
19.5	0	5/16	5/8	15/16	1 3/16								
20.5	0	5/16	5/8	15/16	1 1/4								
22.5	0	5/16	5/8	15/16	1 1/4	1 3/8							
23.5	0	5/16	5/8	15/16	1 1/4	1 7/16							
24.5	0	5/16	5/8	15/16	1 1/4	1 1/2							
25.5	0	5/16	5/8	15/16	1 1/4	1 9/16							
27.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 11/16						
28.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 3/4						
29.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 13/16						
30.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8						
32.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8	2					
33.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8	2 1/16					
34.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8	2 1/8					
35.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8	2 3/16					
37.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8	2 3/16	2 5/16				
38.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8	2 3/16	2 3/8				
39.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8	2 3/16	2 7/16				
40.5	0	5/16	5/8	15/16	1 1/4	1 9/16	1 7/8	2 3/16	2 1/2				
42.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/16			
43.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/8			
44.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 3/16			
45.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4			
47.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 5/16		
48.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 3/8		
49.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 7/16		
50.5	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2		
52.5	0	3/16	3/8	9/16	3/4	15/16	1 1/8	1 5/16	1 1/2	1 11/16	1 7/8	1 15/16	
53.5	0	3/16	3/8	9/16	3/4	15/16	1 1/8	1 5/16	1 1/2	1 11/16	1 7/8	2	
54.5	0	3/16	3/8	9/16	3/4	15/16	1 1/8	1 5/16	1 1/2	1 11/16	1 7/8	2	
55.5	0	3/16	3/8	9/16	3/4	15/16	1 1/8	1 5/16	1 1/2	1 11/16	1 7/8	2 1/16	
57.5	0	3/16	3/8	9/16	3/4	15/16	1 1/8	1 5/16	1 1/2	1 11/16	1 7/8	2 1/16	2 1/8
58.5	0	3/16	3/8	9/16	3/4	15/16	1 1/8	1 5/16	1 1/2	1 11/16	1 7/8	2 1/16	2 3/16
59.5	0	3/16	3/8	9/16	3/4	15/16	1 1/8	1 5/16	1 1/2	1 11/16	1 7/8	2 1/16	2 3/16
60.5	0	3/16	3/8	9/16	3/4	15/16	1 1/8	1 5/16	1 1/2	1 11/16	1 7/8	2 1/16	2 1/4
	Arch 1 (Drain)	Arch 2	Arch 3	Arch 4	Arch 5	Arch 6	Arch 7	Arch 8	Arch 9	Arch 10	Arch 11	Arch 12	Arch 13

12" Benches – Arch Adjustment Nut Height in Inches

Bench Length (ft)	Arch 1 (Drain)	Arch 2	Arch 3	Arch 4	Arch 5	Arch 6	Arch 7	Arch 8	Arch 9	Arch 10	Arch 11	Arch 12	Arch 13	Arch 14	Arch 15	Arch 16	Arch 17	Arch 18	Arch 19	Arch 20	Arch 21
62.5	0	3/16	3/8	9/16	3/4	15/16	1 1/8	1 5/16	1 1/2	1 11/16	1 7/8	2 1/16	2 1/4	2 5/16							
63.5	0	3/16	3/8	9/16	3/4	15/16	1 1/8	1 5/16	1 1/2	1 11/16	1 7/8	2 1/16	2 1/4	2 3/8							
64.5	0	3/16	3/8	9/16	3/4	15/16	1 1/8	1 5/16	1 1/2	1 11/16	1 7/8	2 1/16	2 1/4	2 3/8							
65.5	0	3/16	3/8	9/16	3/4	15/16	1 1/8	1 5/16	1 1/2	1 11/16	1 7/8	2 1/16	2 1/4	2 7/16							
67.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 11/16						
68.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 11/16						
69.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 11/16						
70.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4						
72.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 13/16					
73.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 13/16					
74.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 13/16					
75.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8					
77.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	1 15/16				
78.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	1 15/16				
79.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	1 15/16				
80.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2				
82.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/16			
83.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/16			
84.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/16			
85.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8			
87.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 3/16		
88.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 3/16		
89.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 3/16		
90.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 1/4		
92.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 1/4	2 5/16	
93.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 1/4	2 5/16	
94.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 1/4	2 5/16	
95.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 1/4	2 3/8	
97.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 1/4	2 3/8	2 7/16
98.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 1/4	2 3/8	2 7/16
99.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 1/4	2 3/8	2 7/16
100.5	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 1/4	2 3/8	2 1/2
	Arch 1 (Drain)	Arch 2	Arch 3	Arch 4	Arch 5	Arch 6	Arch 7	Arch 8	Arch 9	Arch 10	Arch 11	Arch 12	Arch 13	Arch 14	Arch 15	Arch 16	Arch 17	Arch 18	Arch 19	Arch 20	Arch 21

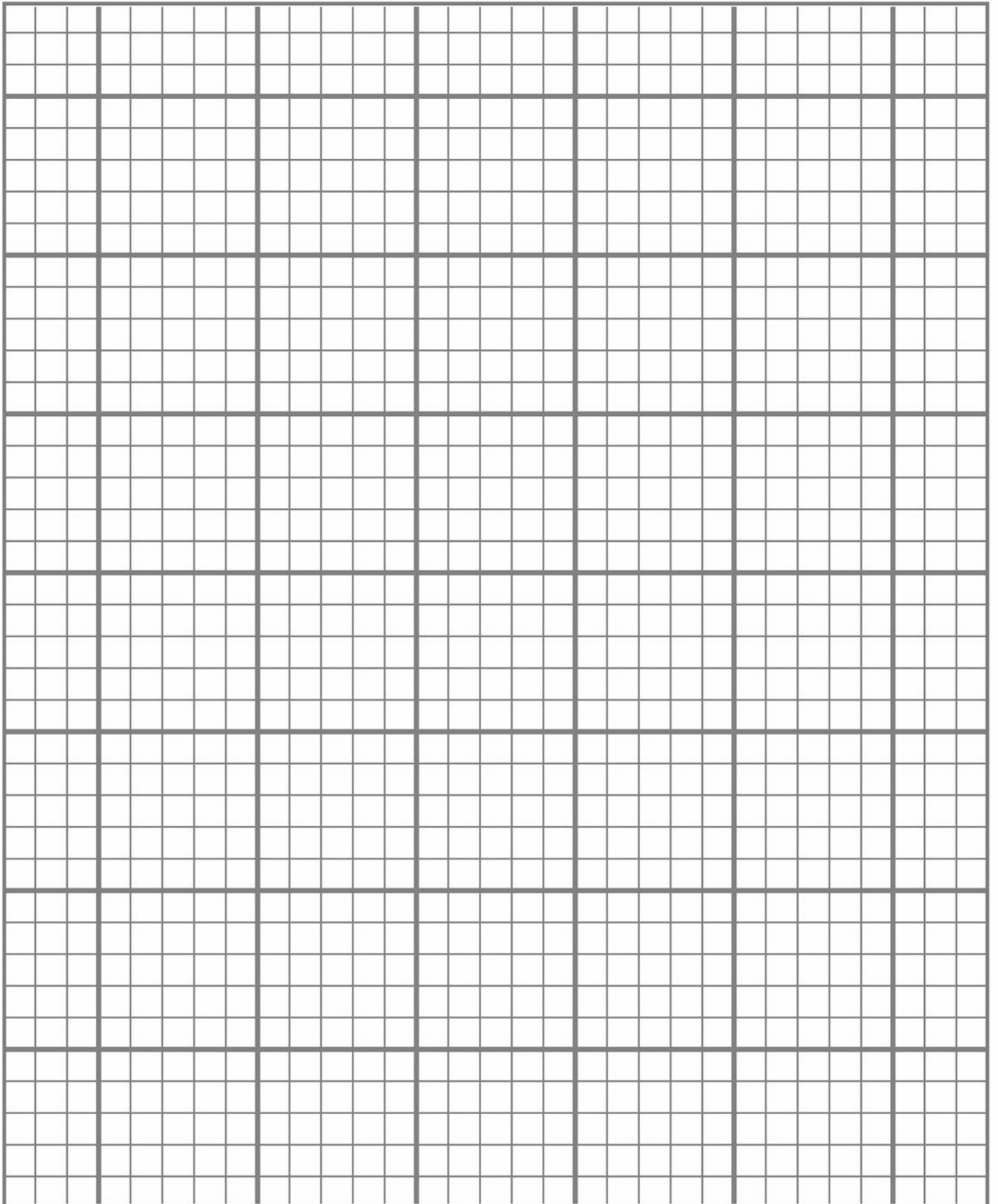
NOTES

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Botanicare 5' Extra Roll Instructions