

2' x 4' Premium Cedar Potting Bench Assembly Guide




Thank you for purchasing the 2' x 4' Premium Cedar Potting Bench. This attractive and durable bench is designed for general greenhouse use and is ideal for potting plants, plant display, and plant maintenance.

This guide includes helpful hints and important information needed to safely assemble and maintain the cedar bench. Please read these instructions **before** you begin.

If you have any questions during the assembly, contact customer service for assistance.

SAFETY PRECAUTIONS

- Wear eye protection.
- Wear head protection.
- Wear gloves when handling the components.
- Use a portable GFCI (Ground Fault Circuit Interrupter) when working with electric power tools and cords.
- Do not climb on the bench during or after assembly.

 **WARNING:** For safety reasons, those who are not familiar with the use of basic hand tools and assembly techniques are encouraged to *seek the help of a qualified contractor.*

ASSEMBLY PROCEDURE

The steps below describe the basic bench assembly steps. Verify that all parts are included in the shipment. Contact customer service for questions or concerns.

Read these instructions and additional documentation (if any) included with the shipment **before** you begin.

1. Gather the tools and assistants as needed to assemble the bench.
2. Assemble the bench on a smooth, level surface.
3. Cover the area with cardboard or other material to protect the bench components during assembly.
4. Assemble the bench as described within this guide.
5. Read the care and maintenance information.
6. Complete and return all warranty information as instructed (if present).

REQUIRED TOOLS

The following list identifies the main tools required to assemble the bench. *Additional tools may be needed.*

- Tape measure or measuring device
- Variable speed drill or driver (cordless with extra batteries works best)
- Square-headed driver bit and Phillips®-head bit to drive fasteners
- Carpenter's square
- Pencil or comparable marker
- Gloves and eye protection
- Assistants (optional but recommended)
- Other basic hand tools as needed

UNPACK AND IDENTIFY PARTS

The following steps help to ensure that you have all the necessary parts *before* you begin.

1. Unpack the contents of the shipment and place where you can easily inventory the parts. Refer to the Bill of Materials/Spec Sheets and this guide.
2. Verify that all parts listed on the Bill of Materials/Spec Sheets or within this guide are present. If anything is missing or you have questions, consult diagrams for clarification or contact customer service.

NOTE: At this time, you do not need to open the plastic bags containing smaller parts such as fasteners and clamps (if present).

CARE AND MAINTENANCE

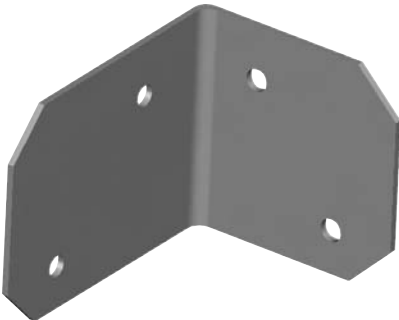
Proper care and maintenance is important. Check the following items periodically to properly and adequately maintain your cedar potting bench:

- Regularly check the screws and braces to verify they are tight and in good condition.
- Do not climb or stand on the cedar bench at anytime.
- Do not overload bench with excessive weight.
- Replace all worn or damaged parts immediately.
- Bench is not designed to withstand the weight and forces resulting from the installation and use of clamps or vices. Do not attach vices or clamp devices to bench.
- For replacement or missing parts, call 1-800-245-9881 for assistance.

These instructions show assembling the frame upsidedown and then flipping it onto its legs to install the PolyMax® panels.

Consult all diagrams before you begin.

The parts shown below are specific to the assembly of the 2' x 4' cedar potting bench. *Graphics are not to scale.*



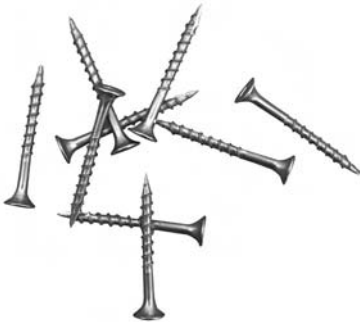
104642 A-Angle Bracket
Quantity: 10



104638 "T" Connector
Quantity: 4



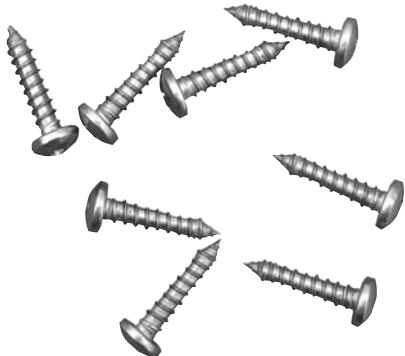
104637 90° Connector
Quantity: 12



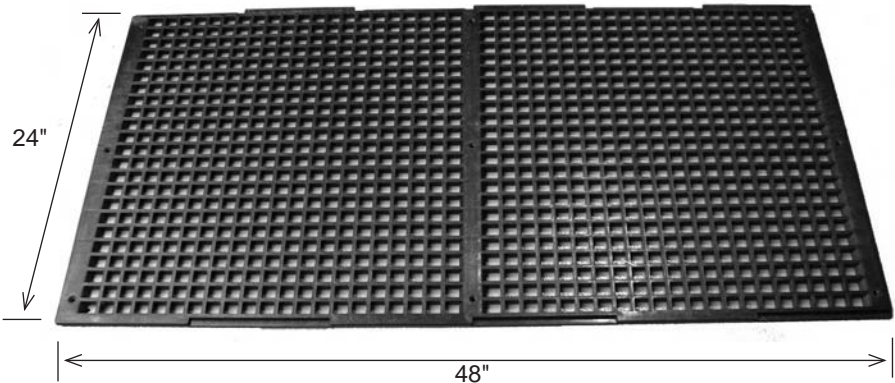
FAS11B #6 x 1-5/8" Fastener
Quantity: 18



FAS13B #10 x 2-1/2" Fastener
Quantity: 34



FAF25PB #8 x 3/4" Fastener
Quantity: 185



HA2217 PolyMax®
Quantity: 2

#108289
Premium Cedar Potting Bench
(2' x 4')

The parts shown below are specific to the assembly of the 2' x 4' cedar potting bench. *Graphics are not to scale.*



10513630LD
Front Left Leg*: 1
1-1/2" x 2-1/2" x 30"



10513630RD
Front Right Leg*: 1
1-1/2" x 2-1/2" x 30"



105136325RD
Back Right Leg*: 1
1-1/2" x 2-1/2" x 32-1/2"



105136325LD
Back Left Leg*: 1
1-1/2" x 2-1/2" x 32-1/2"

(*as seen looking at the front of the bench)

(*as seen looking at the back of the bench)



10513621
Bench Top Ends and Middle Support: 6
1-1/2" x 2-1/2" x 21"



10513643
Back Board: 2
1-1/2" x 2-1/2" x 43"



10513648D
Upper and Lower Side Boards: 4
1-1/2" x 2-1/2" x 48"

STEP ONE: ASSEMBLE THE UPPER AND LOWER 24" x 48" BENCH FRAMES

Required parts:

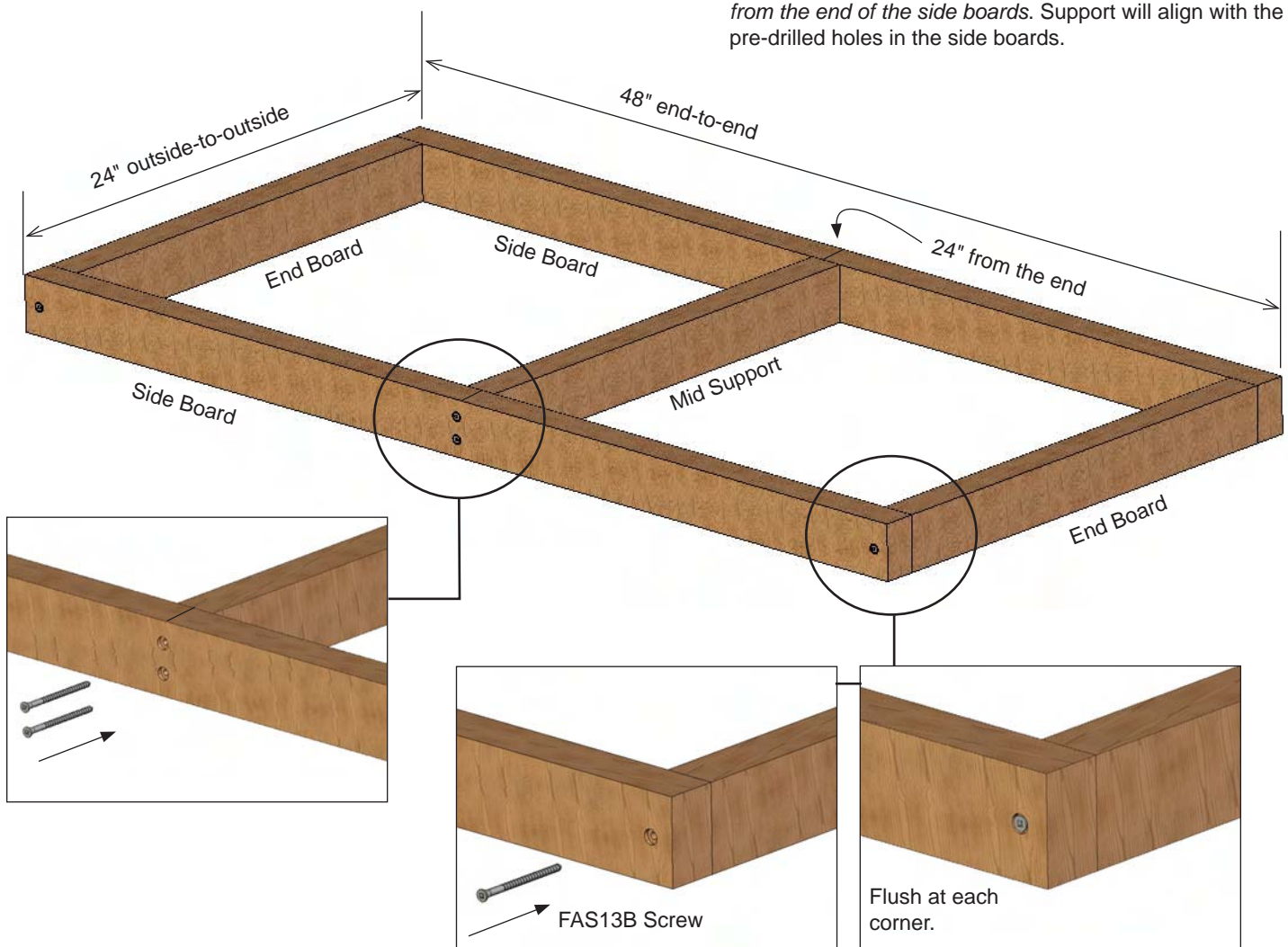
- 4 lengths of 1-1/2" x 2-1/2" x 48" cedar (10513648D)
- 6 lengths of 1-1/2" x 2-1/2" x 21" cedar (10513621)
- 4 "T" brackets (104638)
- FAF25PB #8 x 3/4" screws
- FAS13B #10 x 2-1/2" screws (16)

Complete these steps:

- a. Position three (3) 1-1/2" x 2-1/2" x 21" cedar supports between two (2) 48" side boards and secure using eight (8) FAS13B screws. Assemble the 24" x 48" rectangular frame on a flat, level surface. *Position the countersunk holes toward the outside. Cover work area with cardboard or similar material to protect bench during assembly.*

Verify that the two (2) end boards are flush with the ends of the side boards and positioned between the side boards. Align the mid 21" support with the pre-drilled holes of the side boards and secure using the 2-1/2" screws. *To prevent stripping the screw holes or splitting the wood, do not overtighten the screws.*

ATTENTION: Position the center of the mid support at 24" from the end of the side boards. Support will align with the pre-drilled holes in the side boards.



- b. Check frame for square and repeat the step to assemble the frame for the lower shelf.

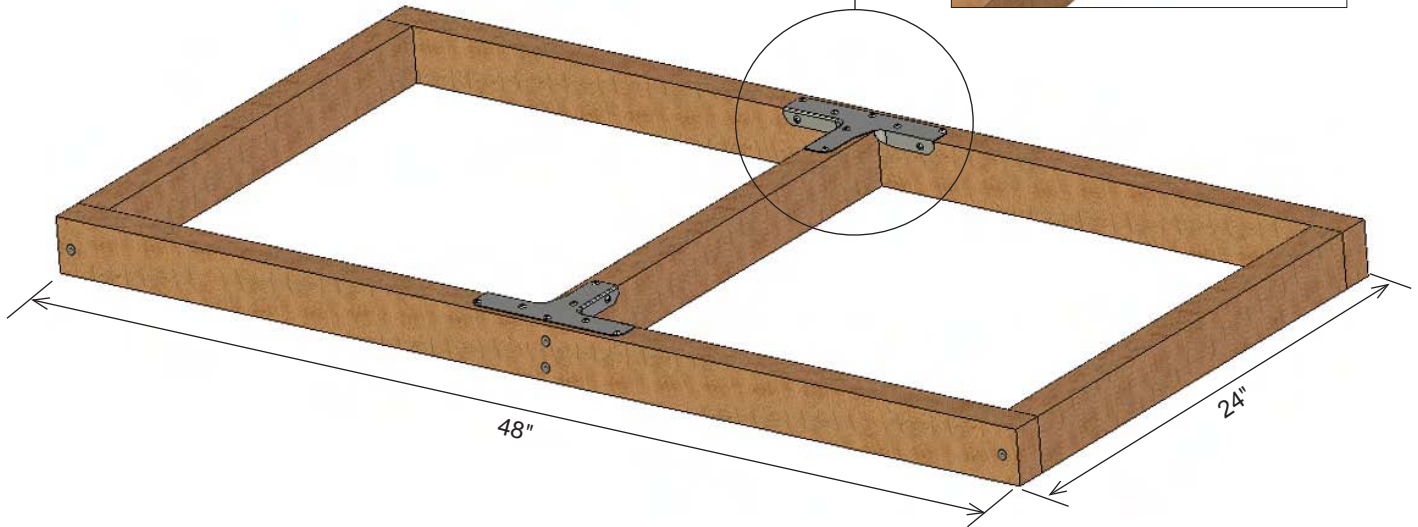
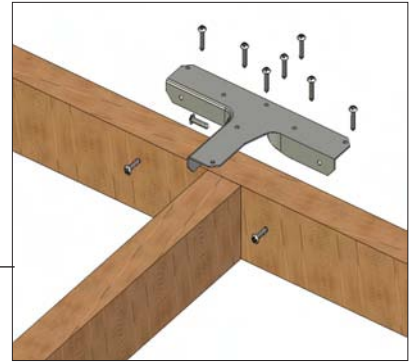
NOTE: The outside-to-outside dimensions of both frames when properly assembled will be 24" x 48".

Cedar Bench

STEP ONE: ASSEMBLE THE UPPER AND LOWER 24" x 48" BENCH FRAMES (continued)

- c. After assembling the upper and lower frames, install the four (4) 104638 "T" connectors—2 per frame—and secure using the FAF25PB screws.

NOTE: The side of the frame with the "T" connectors is the underside of each shelf when the bench is flipped onto its legs.



- d. Continue by assembling the cedar bench legs and the upper and lower bench frames.

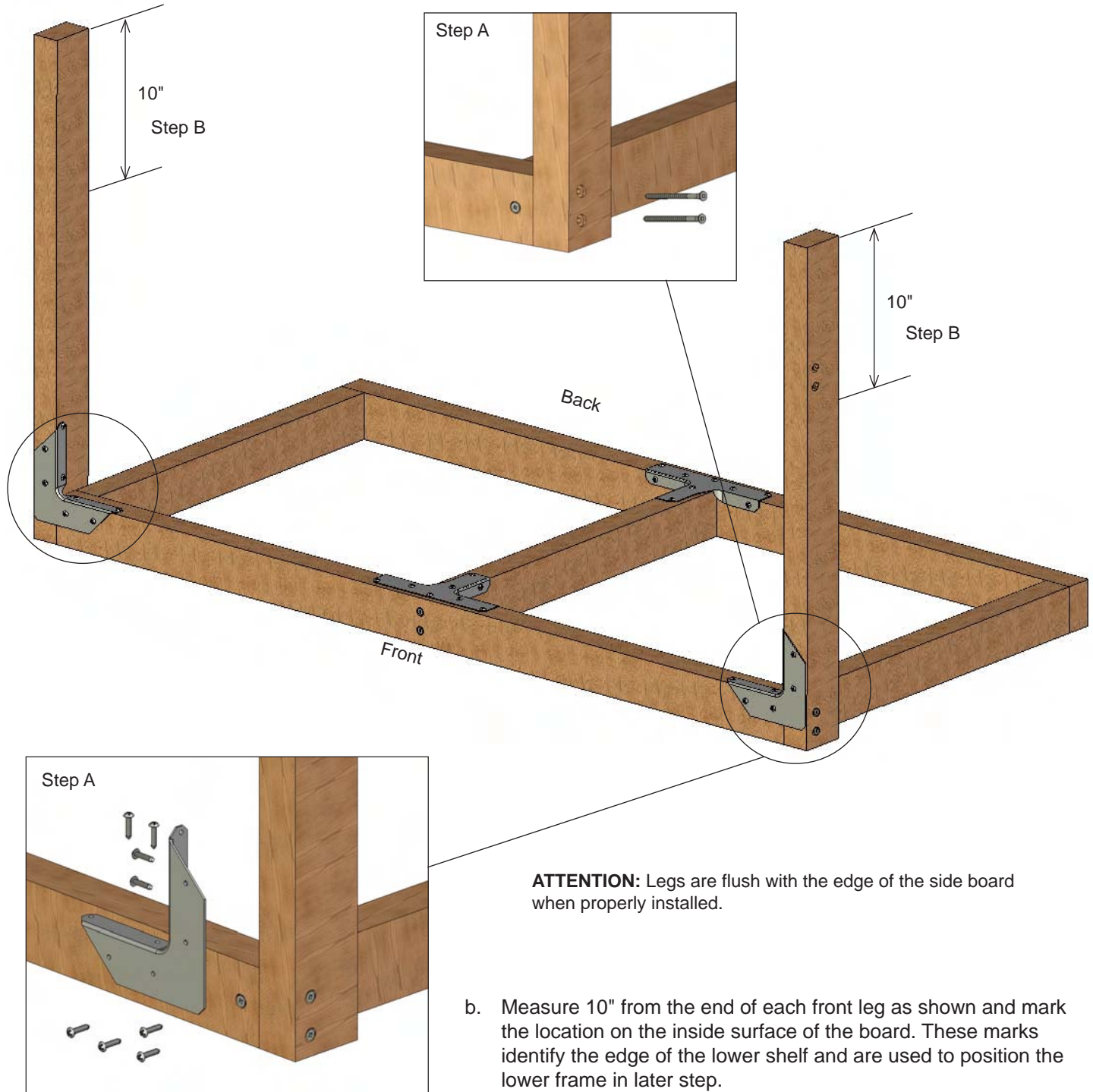
STEP TWO: ATTACH THE CEDAR LEGS AND UPPER AND LOWER BENCH FRAMES

Required parts:

- 2 lengths of 1-1/2" x 2-1/2" x 30" cedar - front legs (10513630LD & 10513630RD)
- 2 lengths of 1-1/2" x 2-1/2" x 32-1/2" cedar - back legs (105136325RD & 105136325LD)
- 2 lengths of 1-1/2" x 2-1/2" x 43" cedar (10513643)
- 12 brackets (104637- 90° angle)
- FAF25PB #8 x 3/4" screws
- FAS13B #10 x 2-1/2" screws (16)

Complete these steps:

- Secure one 1-1/2" x 2-1/2" x 30" cedar leg at each front corner as shown using the FAS13B #10 x 2-1/2" screws. *Position the countersunk holes of each leg to the outside of the bench.* After installing the 2-1/2" screws, install the 104637 brackets to secure each front leg to the side board of the upper bench frame.



ATTENTION: Legs are flush with the edge of the side board when properly installed.

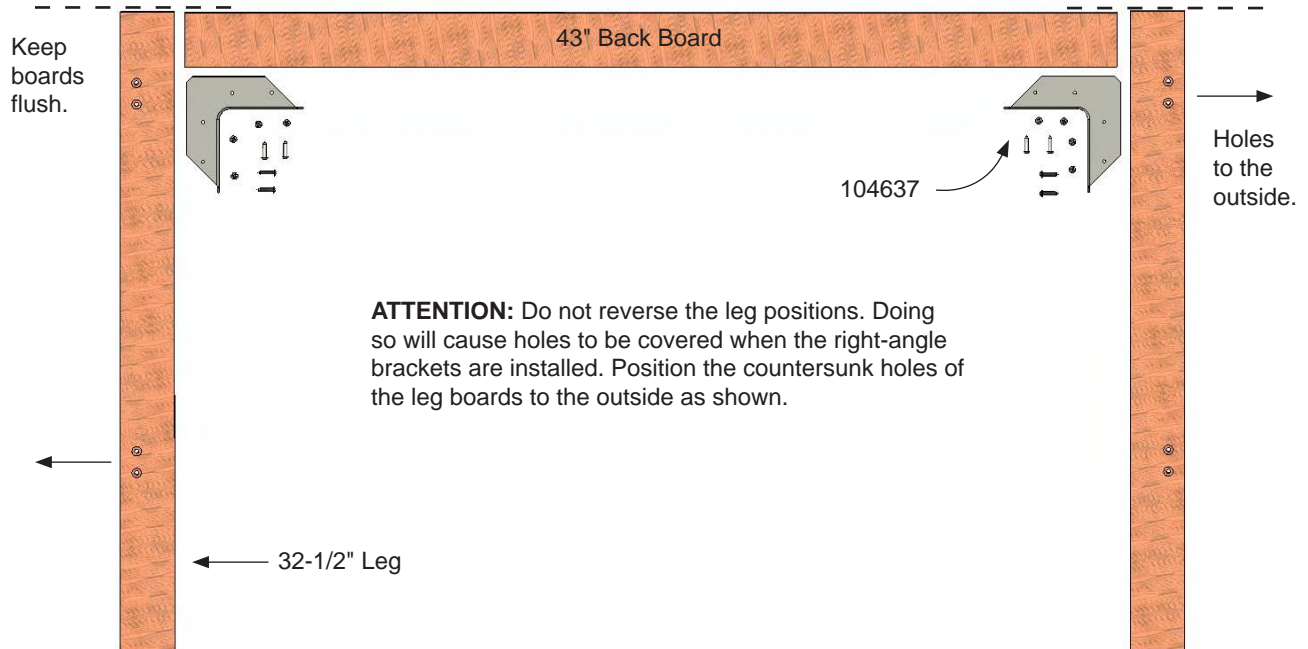
- Measure 10" from the end of each front leg as shown and mark the location on the inside surface of the board. These marks identify the edge of the lower shelf and are used to position the lower frame in later step.

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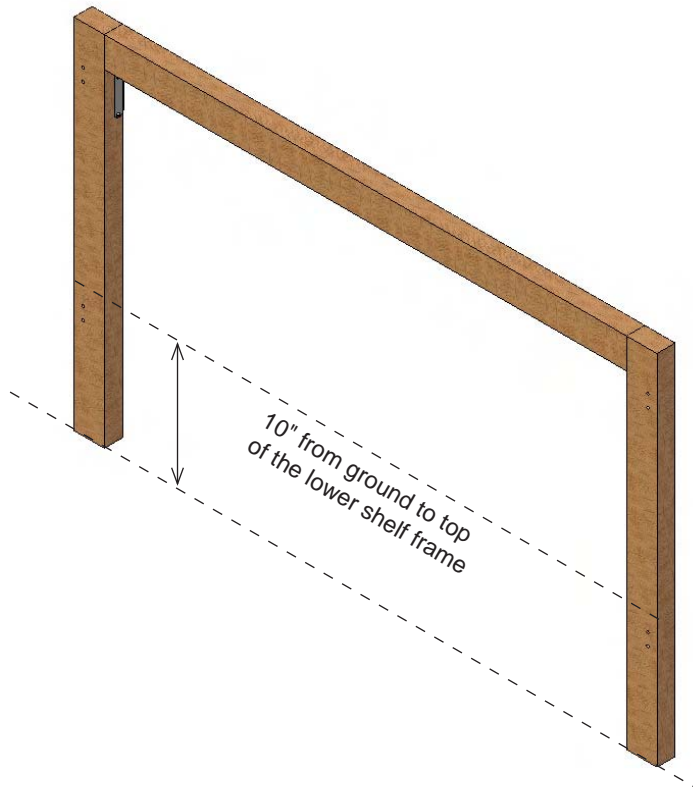
STEP TWO: ATTACH THE CEDAR LEGS AND UPPER AND LOWER BENCH FRAMES (continued)

- c. Take the two 32-1/2" back legs and one 43" bench top back board and position as shown in the diagram below. Verify that the legs are positioned with the countersunk holes facing up and set to the outside of each leg.

With the back board flush with the top of each leg, secure each joint using the 104637 (90°) brackets and the FAF25PB #8 x 3/4" screws. Keep edges flush with each other. *Do not reverse leg positions.*



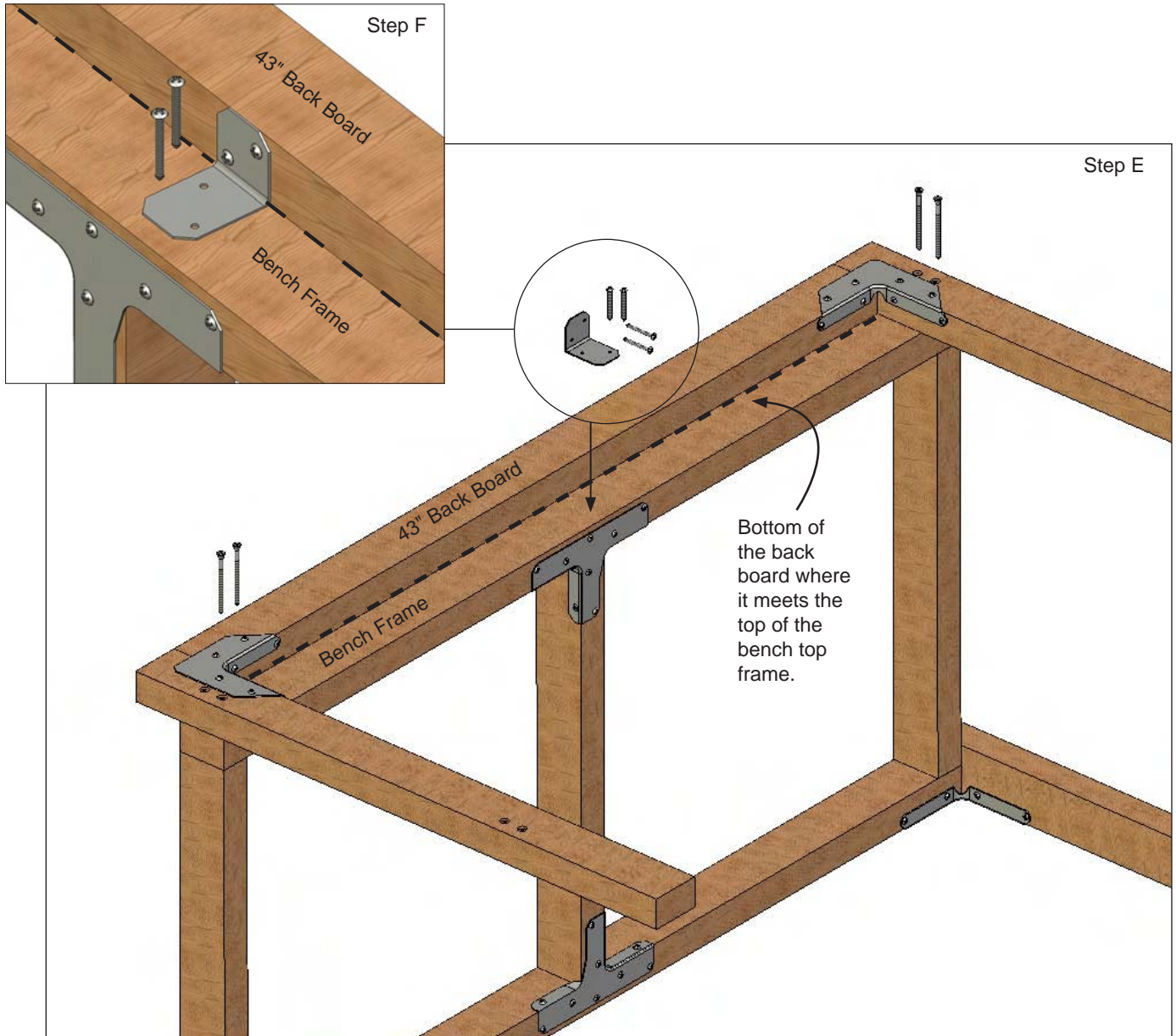
- d. With the back legs and back board assembled, *flip the assembly over so the countersunk holes are toward the ground*, move to the bottom of each leg, measure 10" from the end, and mark the locations on the leg board. These lines identify the top edge of the lower bench shelf and are used later.



STEP TWO: ATTACH THE CEDAR LEGS AND UPPER AND LOWER BENCH FRAMES (continued)

- e. Take the bench top and front legs and flip frame onto its front side. With the frame positioned as shown, secure the back legs and back board to the bench top using the FAS13B #10 x 2-1/2" screws. Use assistants to set the back legs onto the bench top frame.

Align the bottom of the back board with the top of the bench top frame. See the dashed line in the diagram.



- f. Take one (1) 104642 A-Angle bracket and attach it near the center of the bench where the back board meets the top edge of the bench top. Use FAF25PB #8 x 3/4" screws to secure each bracket to the frame.

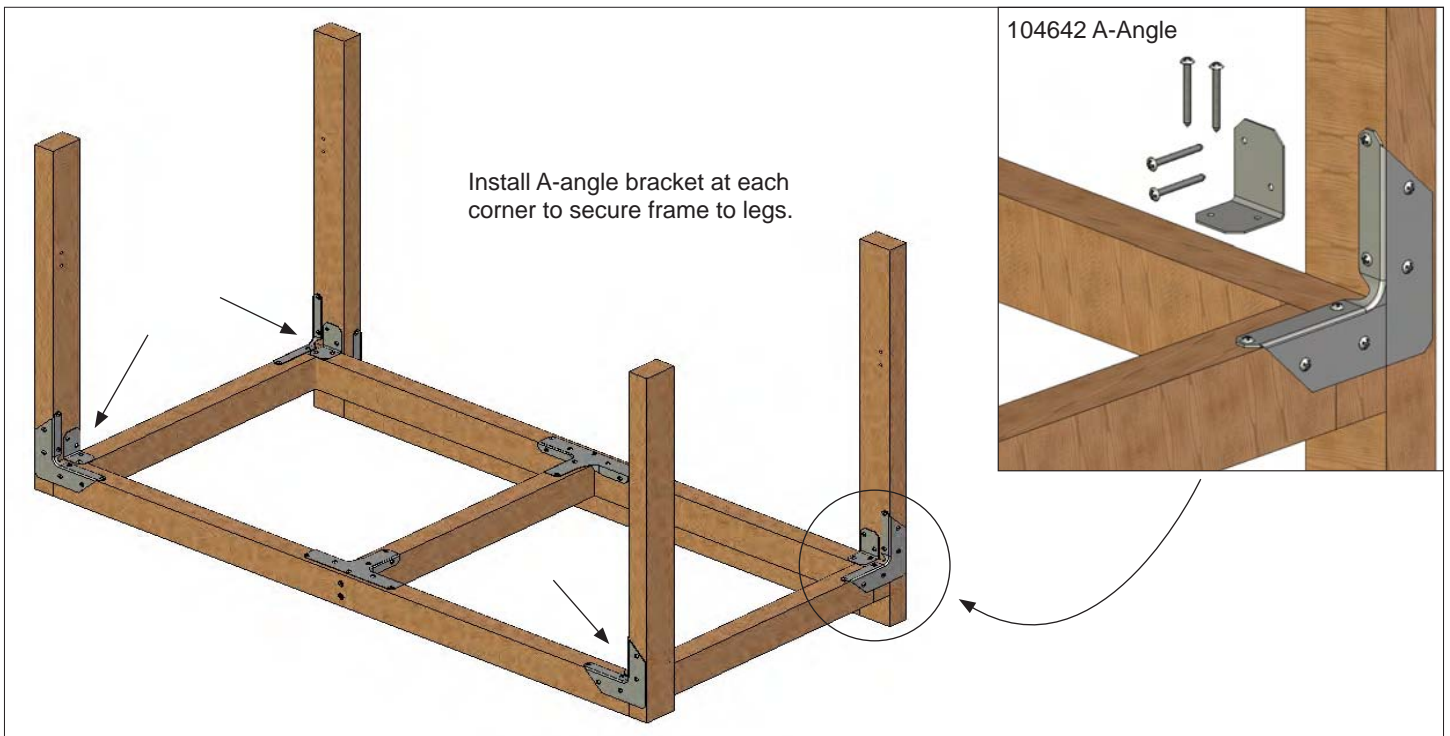
Cedar Bench

STEP TWO: ATTACH THE CEDAR LEGS AND UPPER AND LOWER BENCH FRAMES (continued)

- g. After installing the 2-1/2" screws, attach two 104637 (90°) brackets using the FAF25PB #8 x 3/4" screws. Install one bracket at each corner where the back legs and bench top meet.

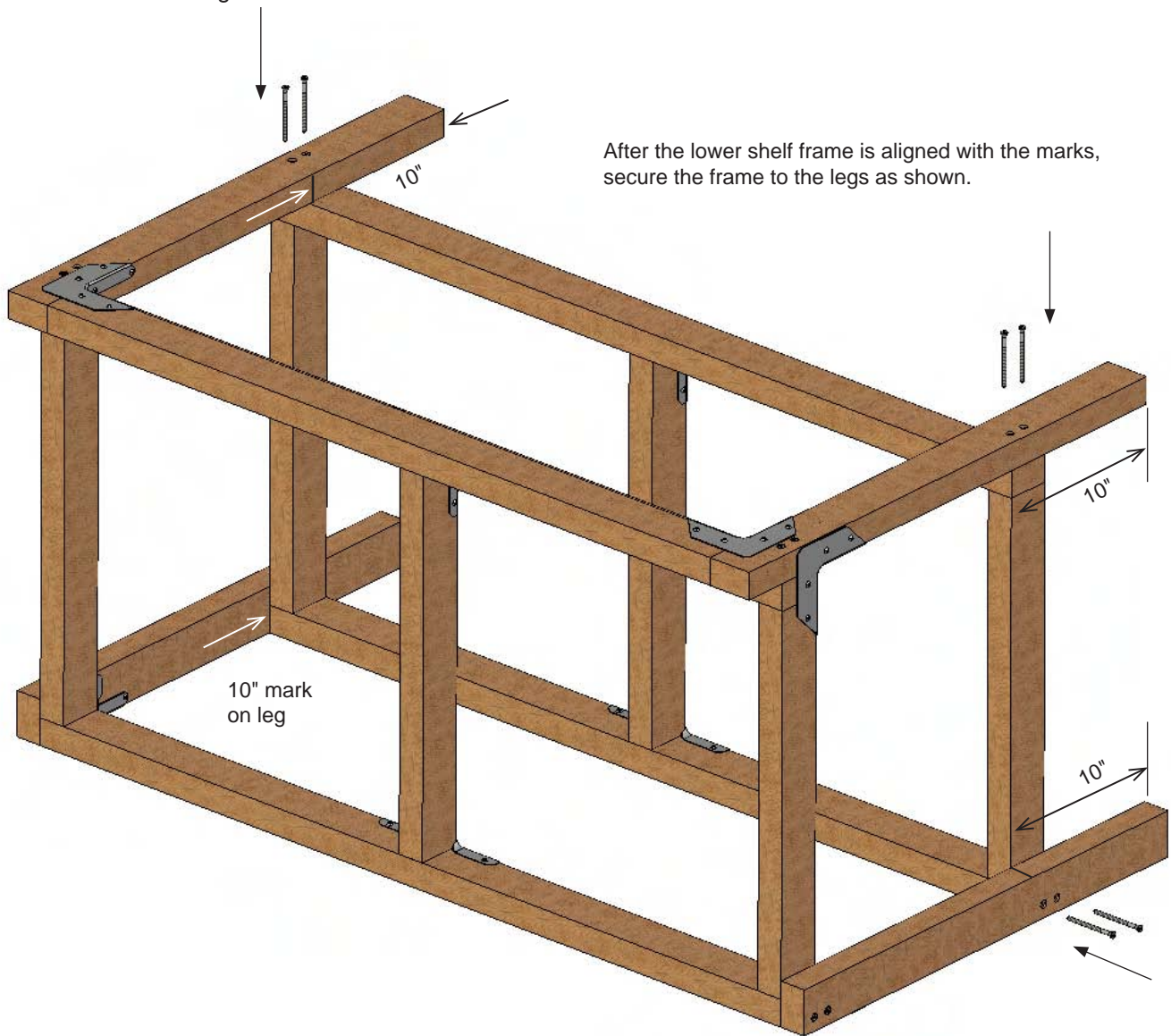


- h. Carefully and with assistance, flip the frame onto its top, take four (4) 104642 A-Angle brackets, and install one at each corner of the bench where the legs meet the bench top frame. Use FAF25PB #8 x 3/4" screws to secure each bracket to the frame.



STEP TWO: ATTACH THE CEDAR LEGS AND UPPER AND LOWER BENCH FRAMES (continued)

- i. Position the frame as shown and attach the lower shelf frame (Step One) using the FAS13B #10 x 2-1/2" screws. (The "T" connectors for the mid brace of the shelf are on the underside of the shelf when the bench is set on its legs.) When properly attached, the top of the lower frame—when the bench is upright and setting on the legs—will be 10" above the ground.

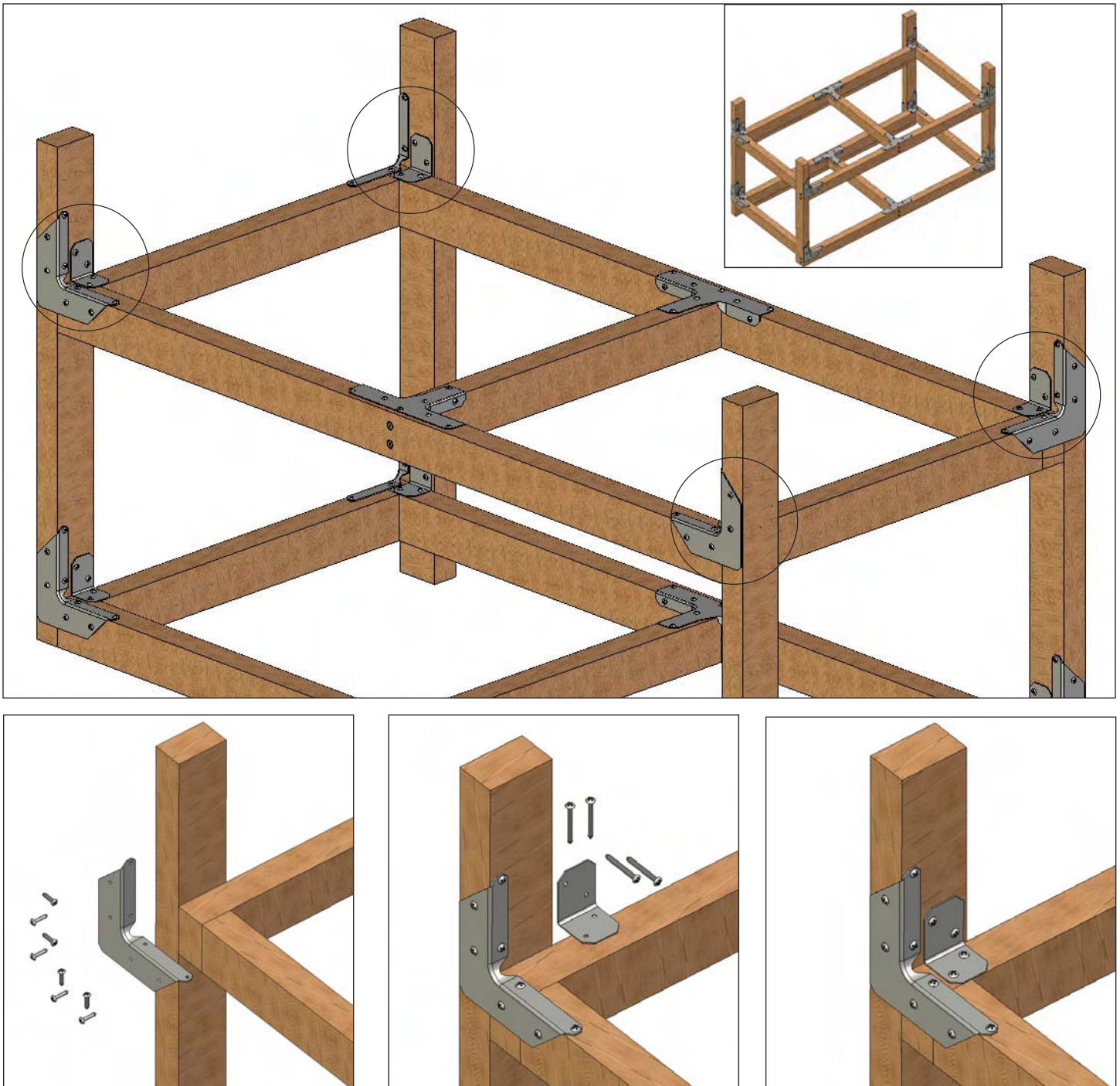


NOTE: Align the top edge of the shelf with the lines that were marked on the legs earlier in these instructions. Frame of lower shelf is flush to the outside of each bench leg.

Cedar Bench

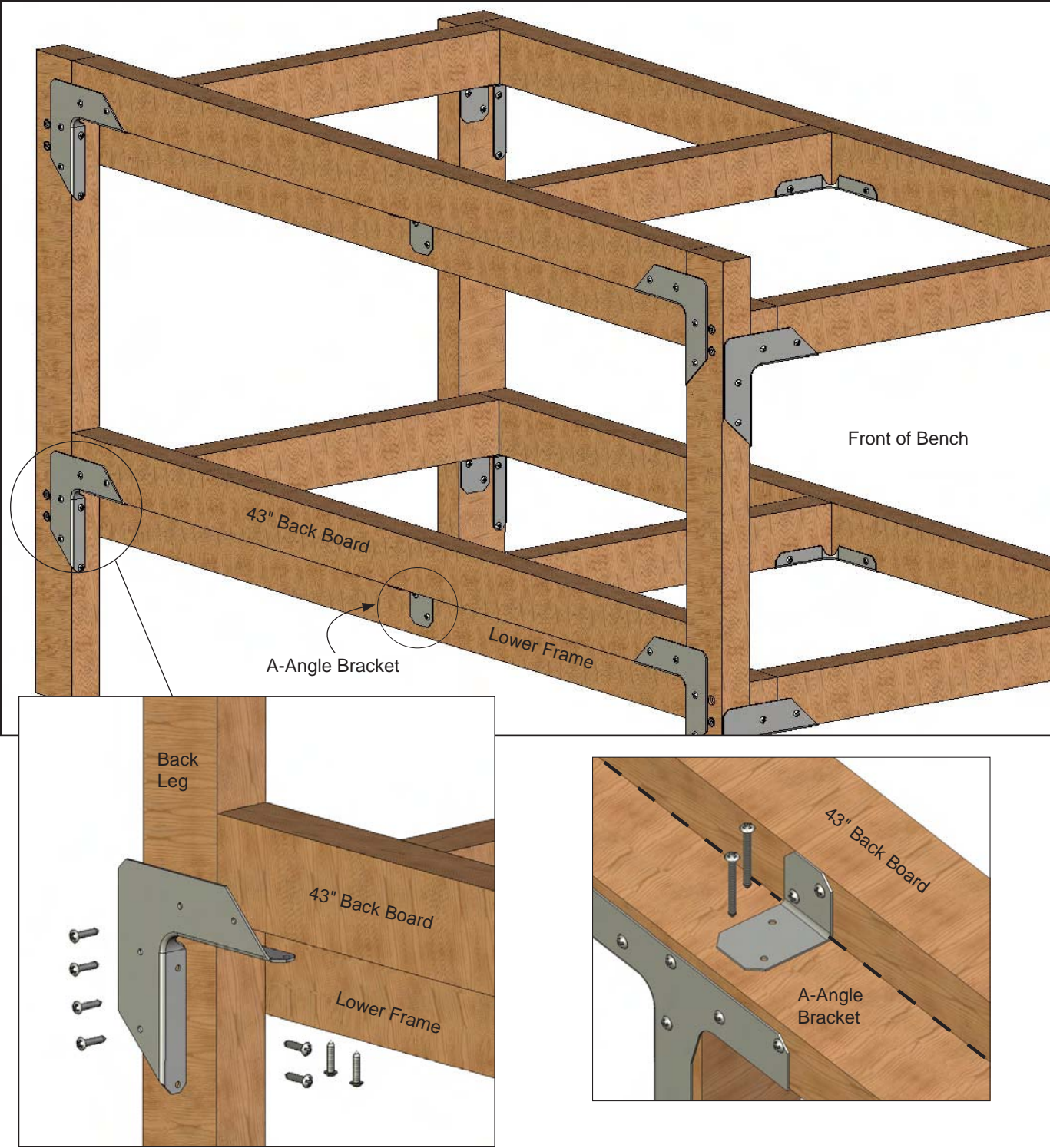
STEP TWO: ATTACH THE CEDAR LEGS AND UPPER AND LOWER BENCH FRAMES (continued)

- j. Carefully flip the assembled frame onto its top and attach the remaining 104637 (90°) brackets and 104642 A-Angle brackets in the locations shown below using the FAF25PB #8 x 3/4" screws. Do not overtighten screws.



STEP TWO: ATTACH THE CEDAR LEGS AND UPPER AND LOWER BENCH FRAMES (continued)

- k. Flip the bench onto its legs, take the remaining 43" cedar back board, and attach it to the lower shelf using two (2) 104637 brackets, one (1) 104642 A-Angle bracket, and the FAF25PB #8 x 3/4" screws.



- l. Continue by attaching the upper and lower PolyMax® panels.

Cedar Bench

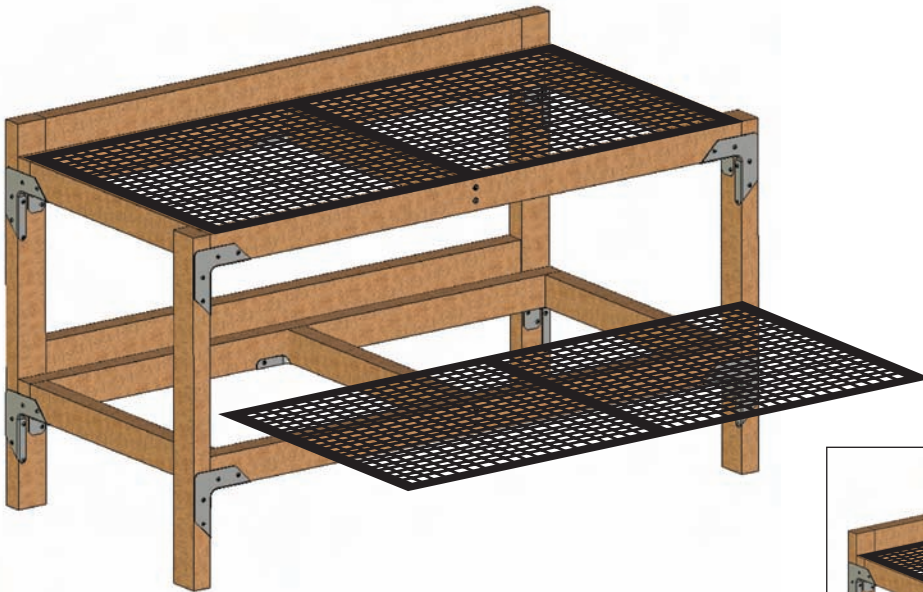
STEP THREE: ATTACH POLYMAX® PANELS

Complete these steps:

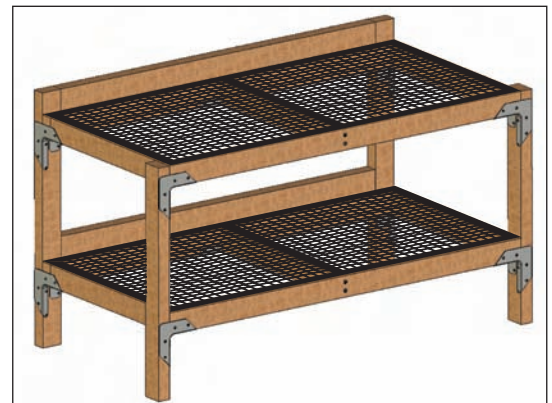
- a. Set one (1) HA2217 PolyMax® panel in place. Square the panel on the frame and secure using nine (9) FAS11B #6 x 1-5/8" screws. Screws should be snug.

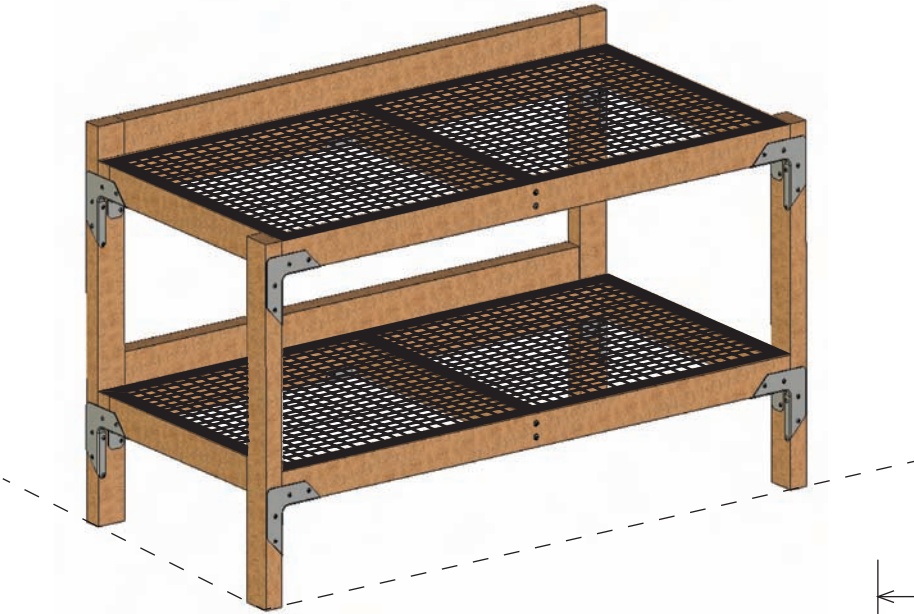


- b. Slide the remaining panel in from the front and secure to the frame as previously described. Bench is assembled.

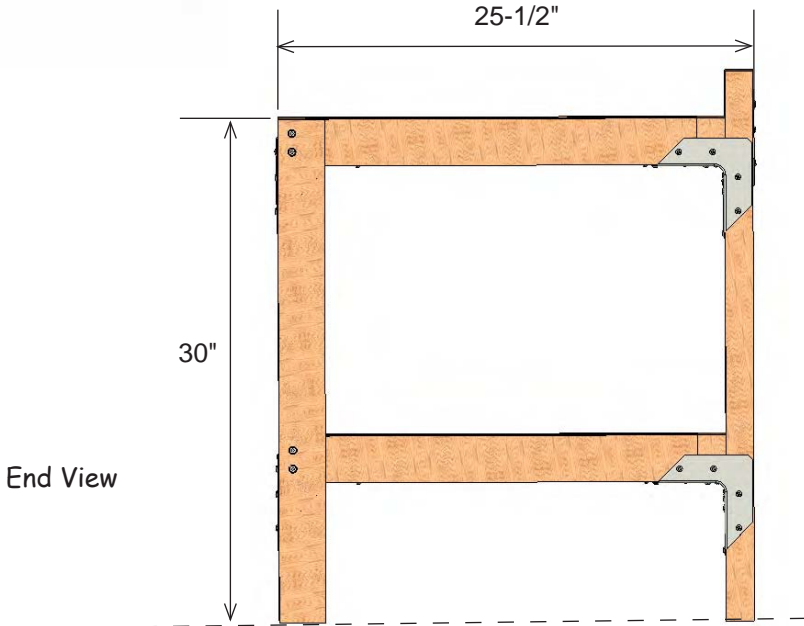


- c. Continue by reading the care and maintenance information presented at the beginning of this guide.

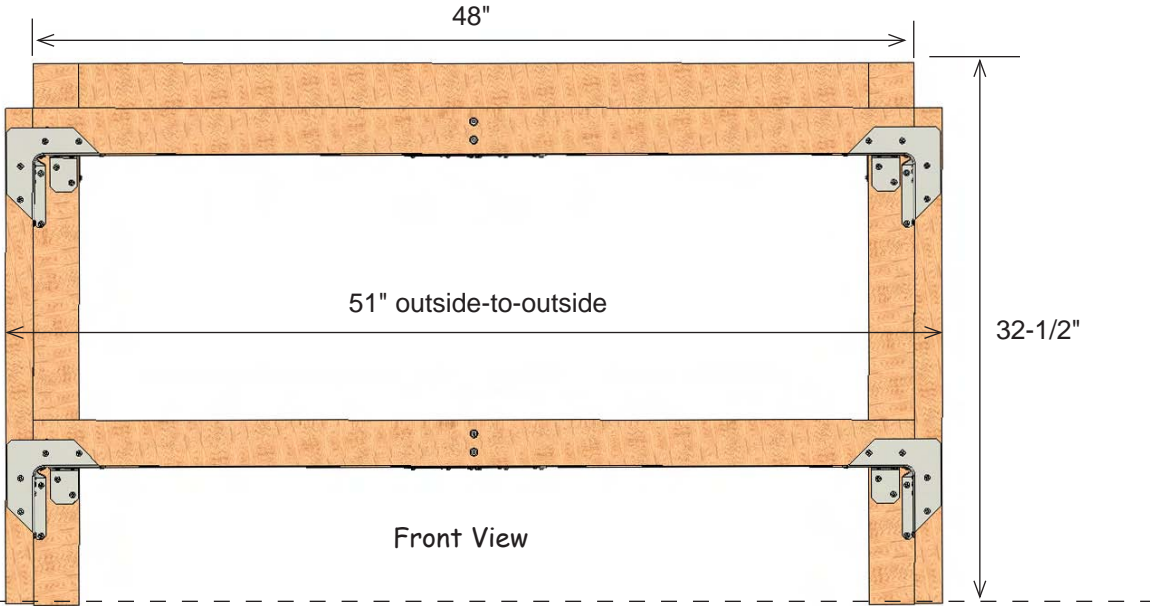




2' x 4' Premium Cedar
Potting Bench

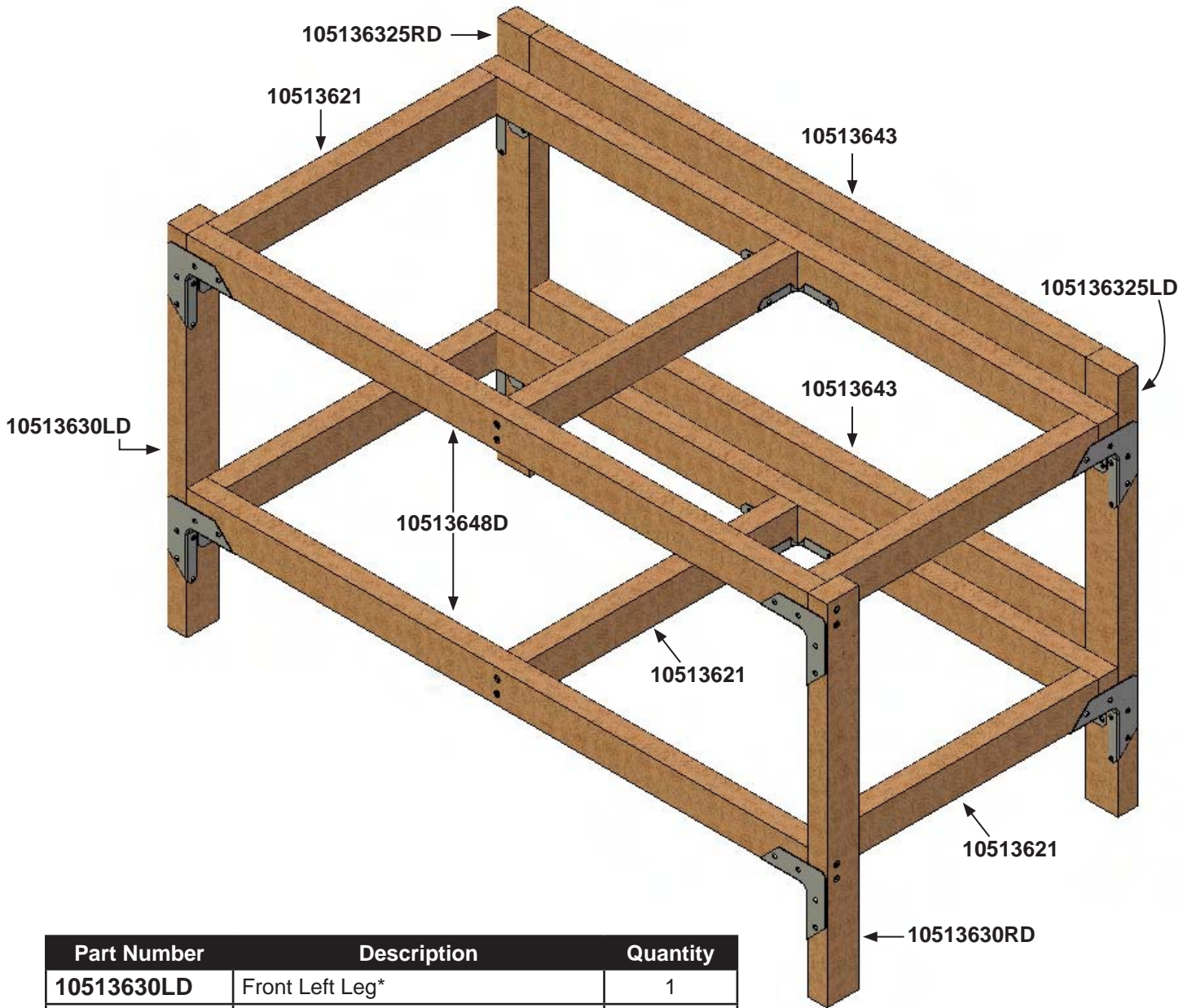


End View



Front View

108289 Parts List - Cedar only



Part Number	Description	Quantity
10513630LD	Front Left Leg*	1
10513630RD	Front Right Leg*	1
105136325RD	Back Right Leg**	1
105136325LD	Back Left Leg**	1
10513621	Bench Top Ends and Middle Support	6
10513643	Back Board	2
10513648D	Upper and Lower Side Boards	4

*as seen looking at the front of the bench

**as seen looking at the back of the bench