ELEMENT Lab Bench

ASSEMBLY & MAINTENANCE GUIDE

KEWAUNEE®

ELEMENT
Lab Bench

Tools Needed

- 3/16" Allen Wrench (included)
- Power Drill/Driver with Phillips Bit
- Silicone Adhesive

Included Hardware


A - Black Flanged Button Head Screw - 20qty

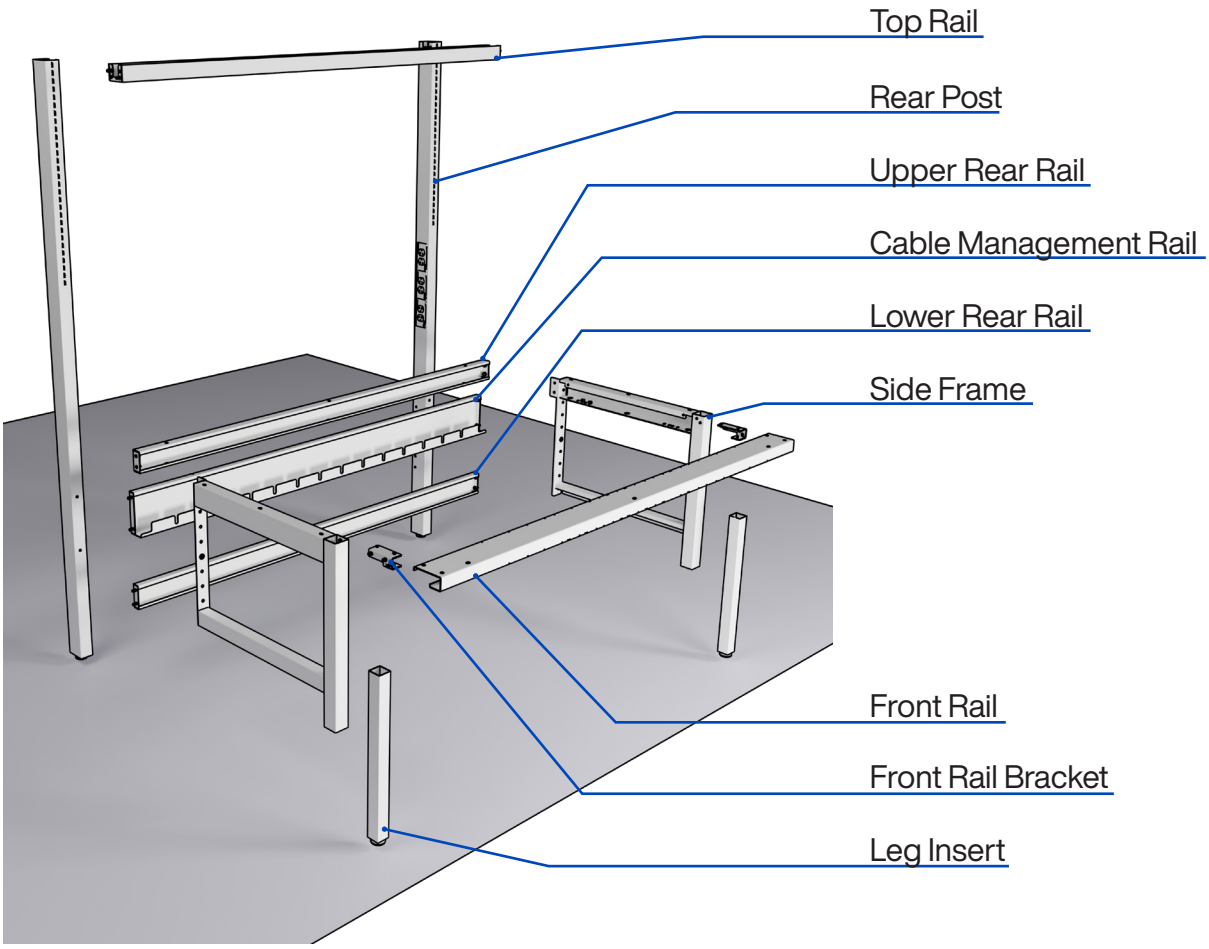

B - Black Button Head Screw - 4qty


C - Black Acorn Nut - 4qty

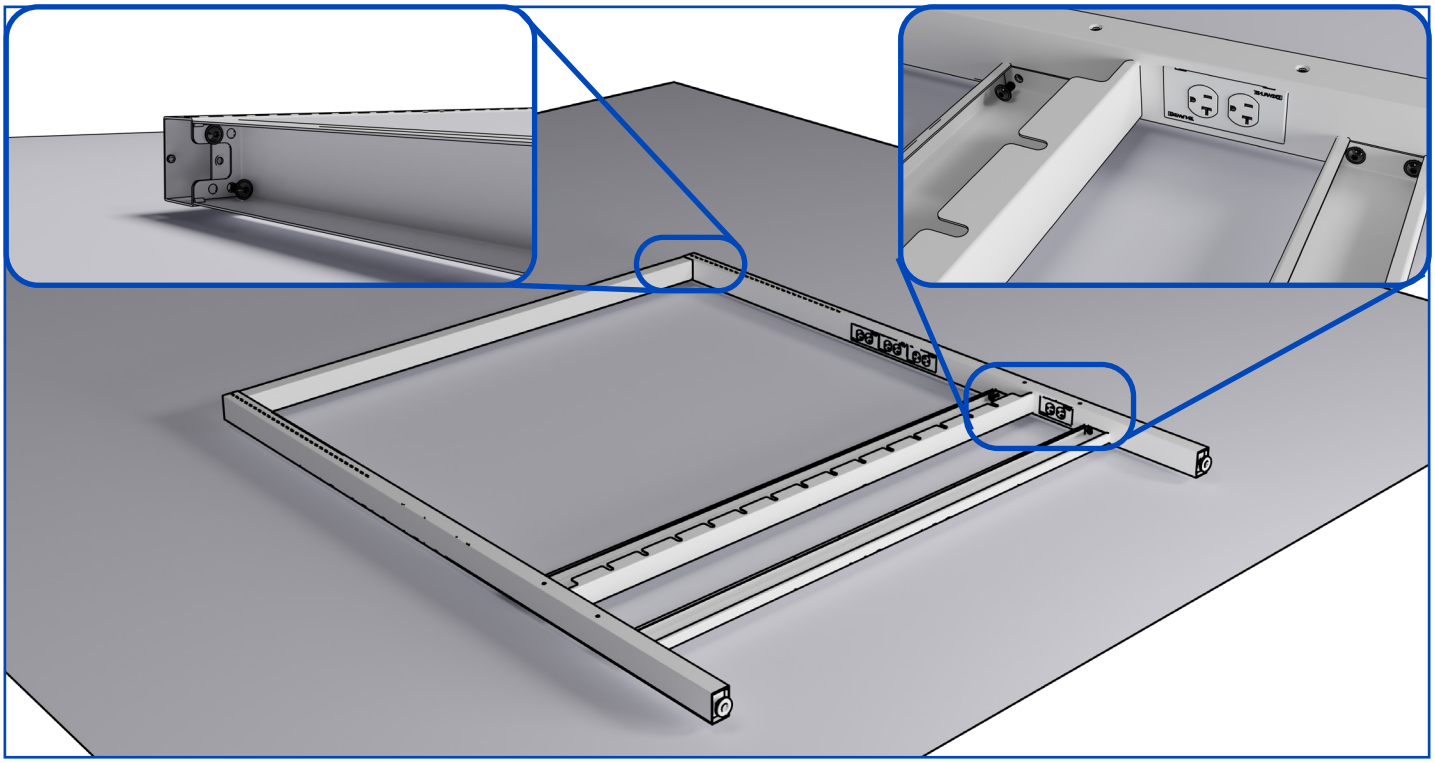

D - Zinc Pan Head Self-Tapping Screw - 2qty


E - Zinc Flat Top Self-Tapping Screw - 6qty

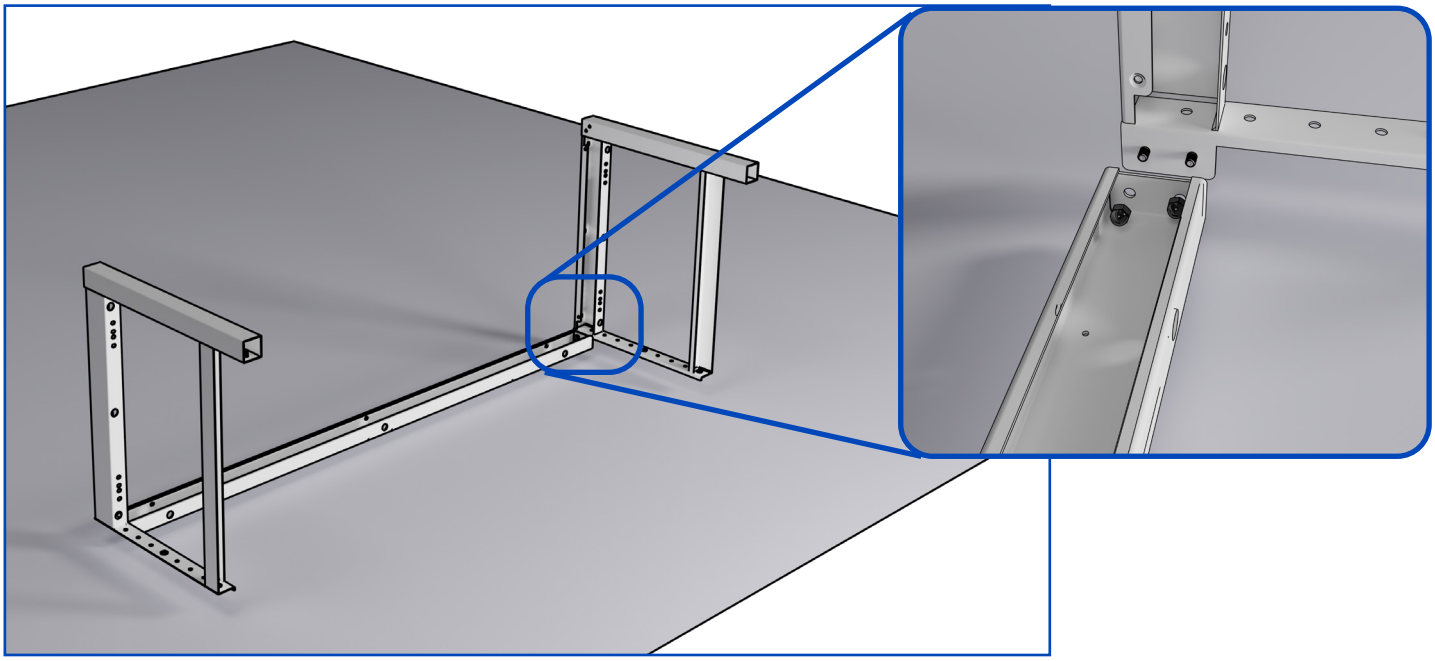
Included Parts



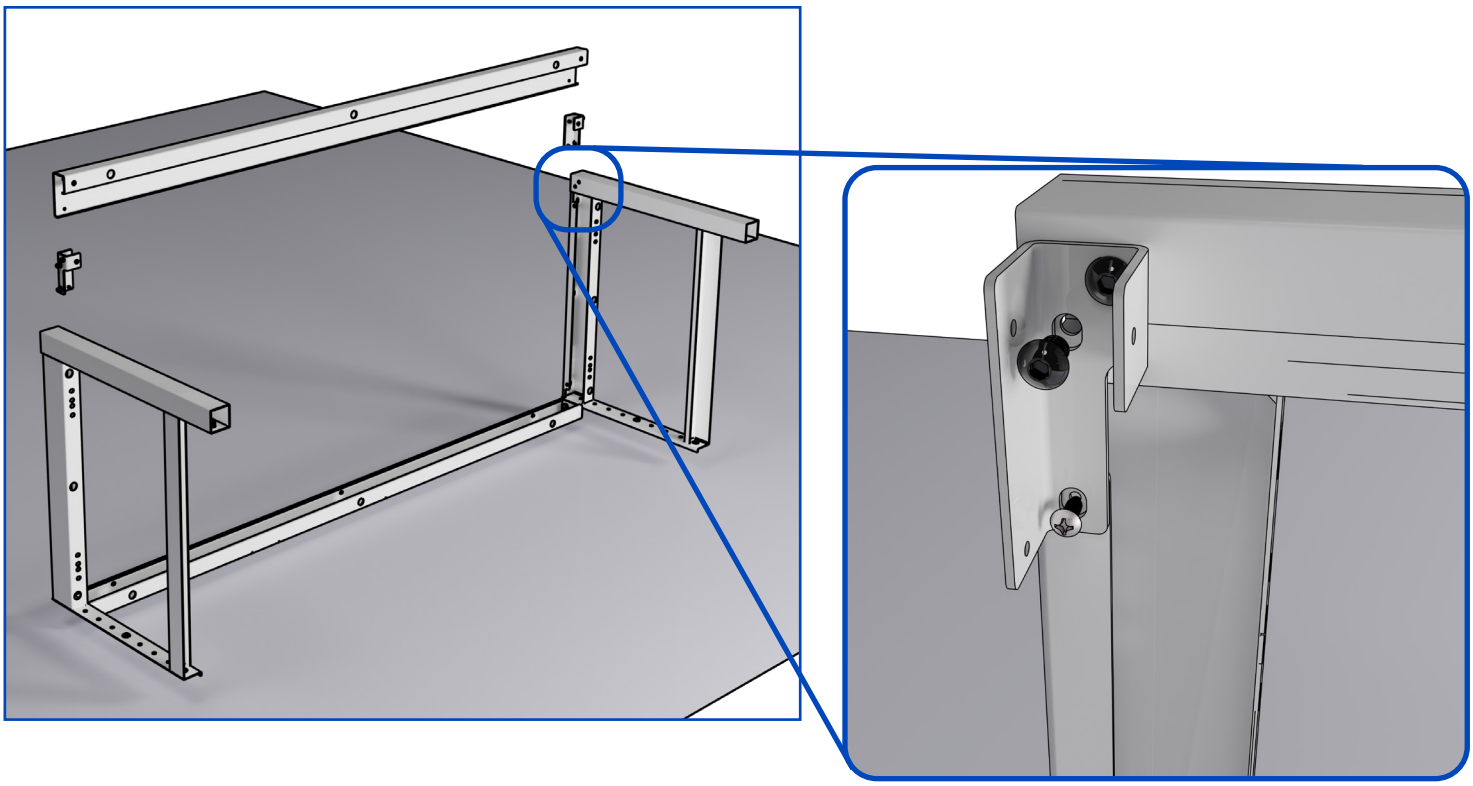
1. Lay posts on the floor, with shelf slots facing upwards. Attach the Top Rail, Cable Management Rail, and Lower Rear Rail to both posts using (12qty) **A** - Screws (2 per side, per rail).



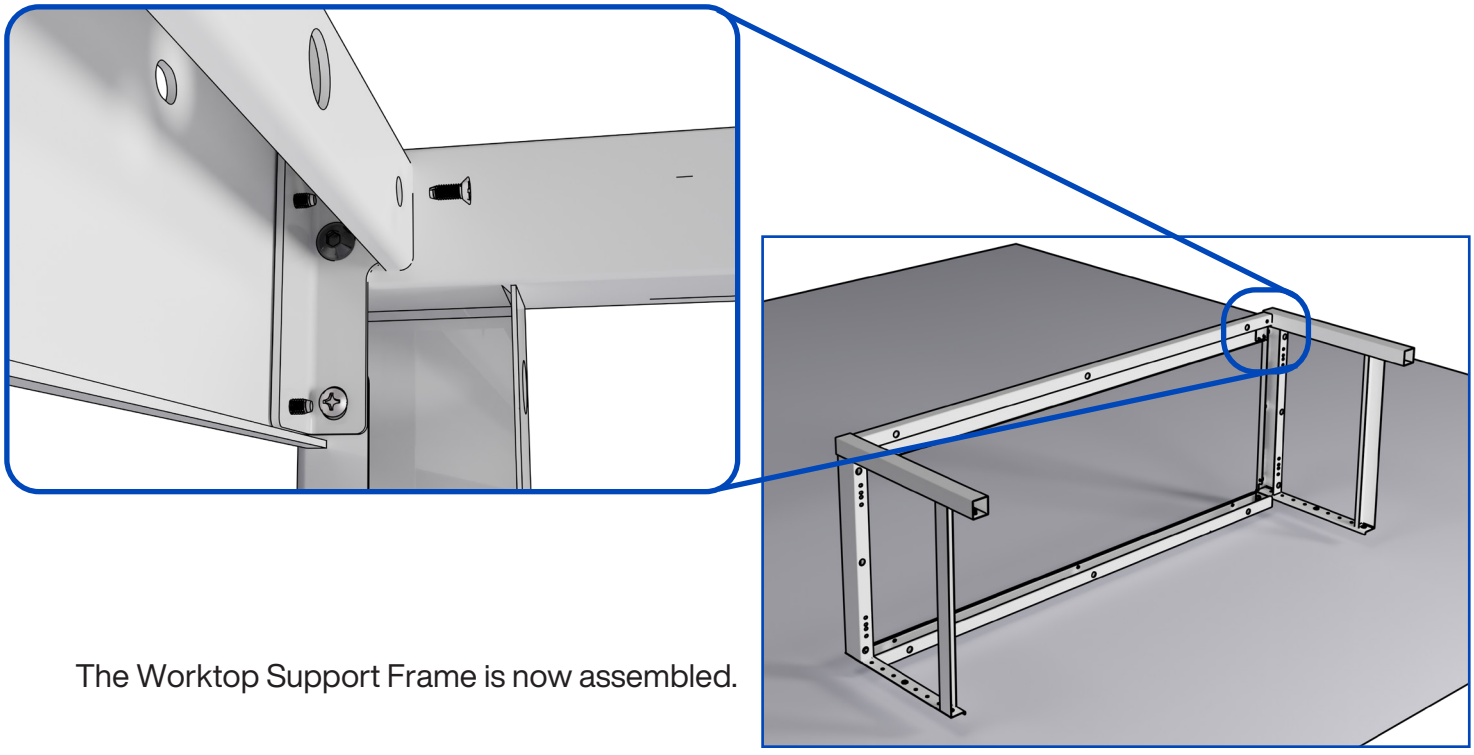
2. Separately, begin assembly of the Worktop Support Frame by attaching the Side Frames to the Upper Rear Rail using (4qty) **C** - Nuts (2 per side).



3. Attach the Front Rail Bracket to the left and right Side Frames using (4qty) **B** - Screws (2 per side) and (2qty) **D** - Screws (1 per side).

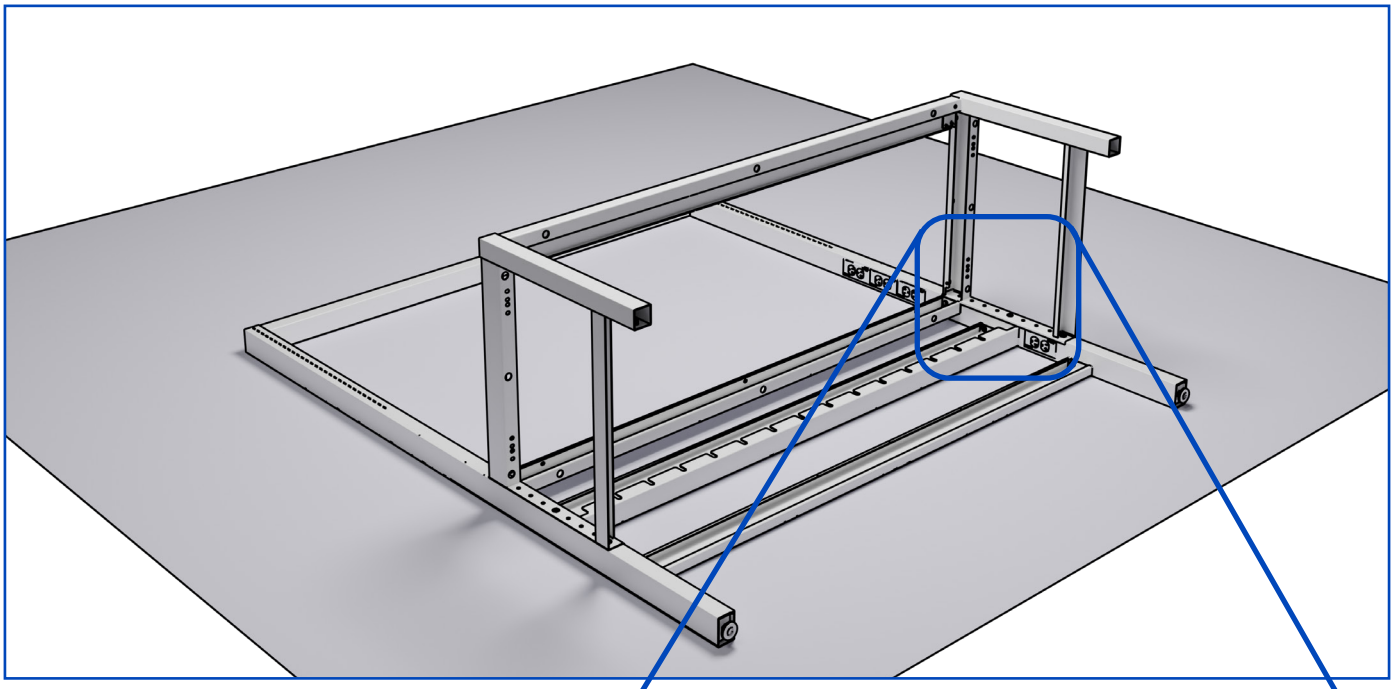


4. Place the Front Rail on to the Front Rail Brackets and attach using (6qty) **E** - Screws (3 per side), two on the upper part of the rail and one on the lower part per side.

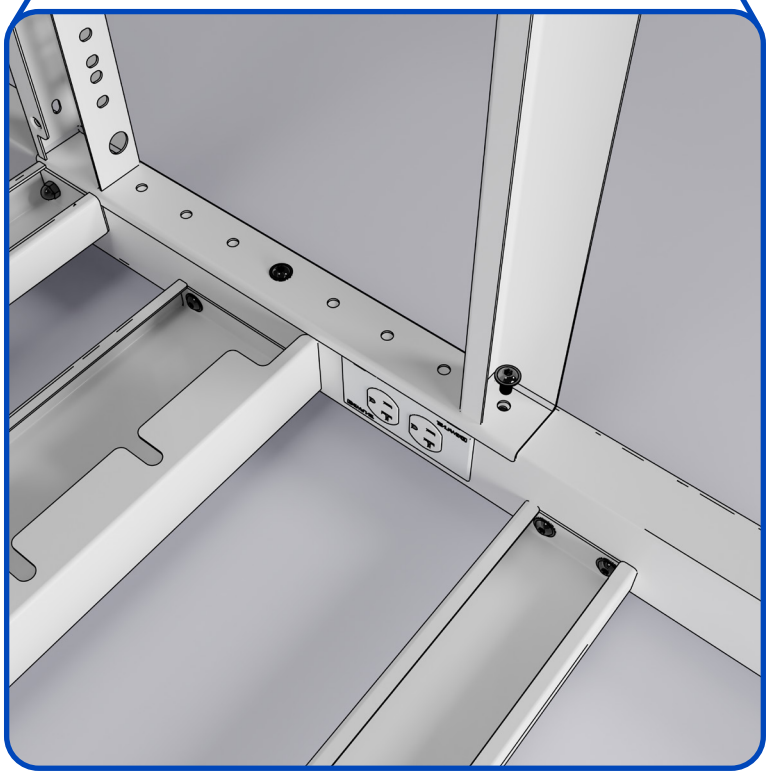


The Worktop Support Frame is now assembled.

NOTE: This step sets height of the worktop. Measure from the bottom of the caster/glide to the top of the Worktop Support Frame then add 1" (Height of worktop) to reach final measurement.

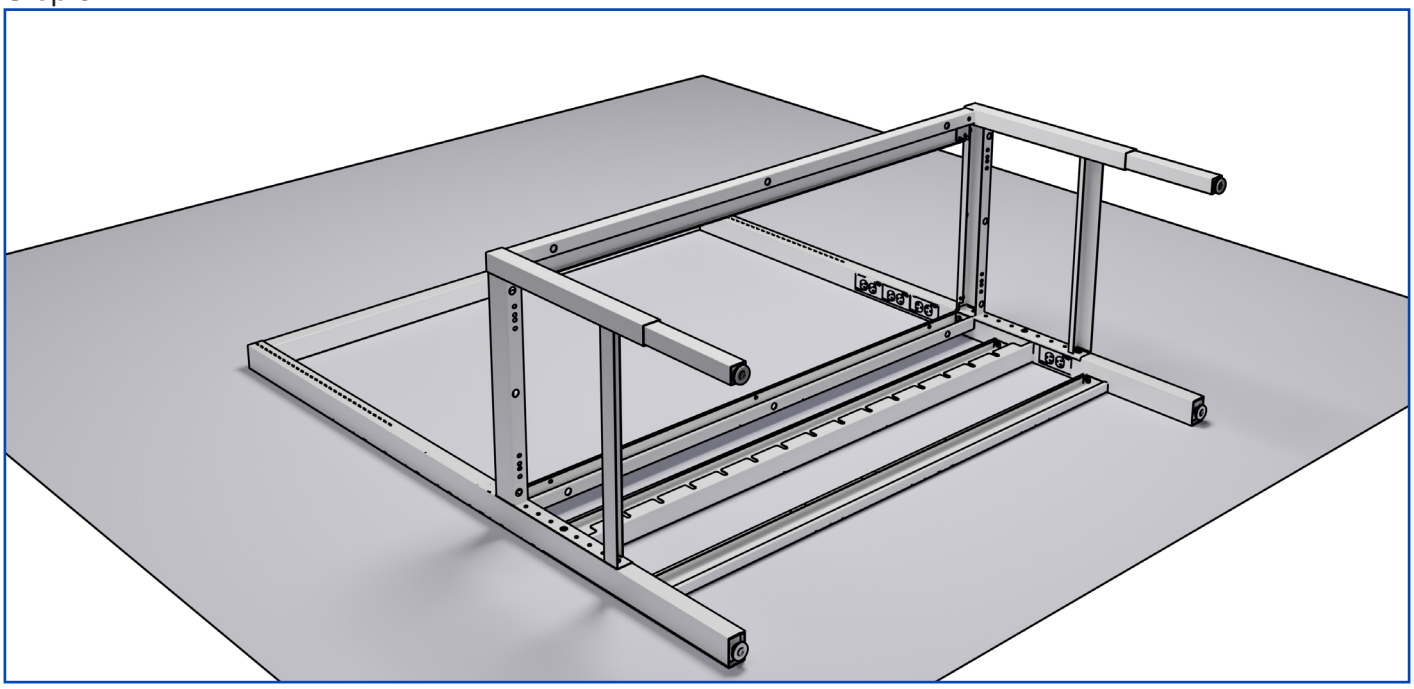


5. Attach the Worktop Support Frame Assembly to the previously assembled Rear Frame using (4qty) **A** - Screws (2 per side).



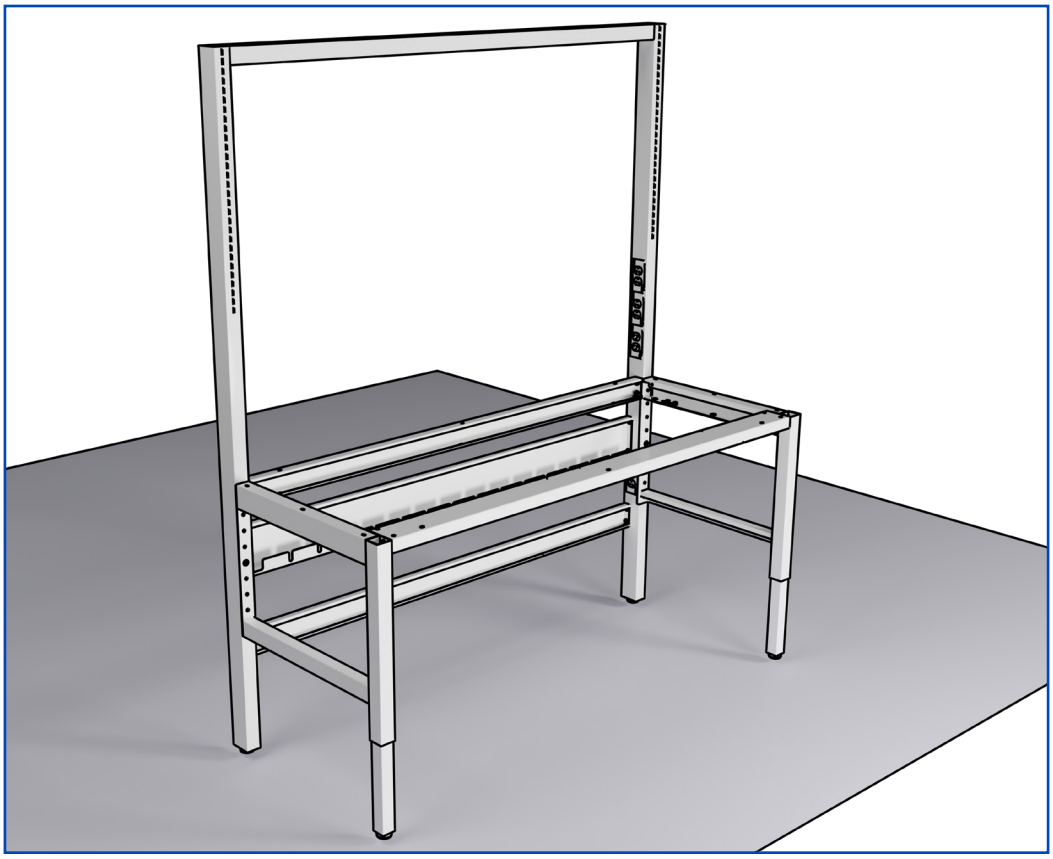
7. Slide the leg inserts into the front of the Assembled Bench legs. Attach using (4qty) **A** - Screws (2per side).

Measure from bottom of leg insert to top of Worktop Support Frame to match worktop height from Step 5.

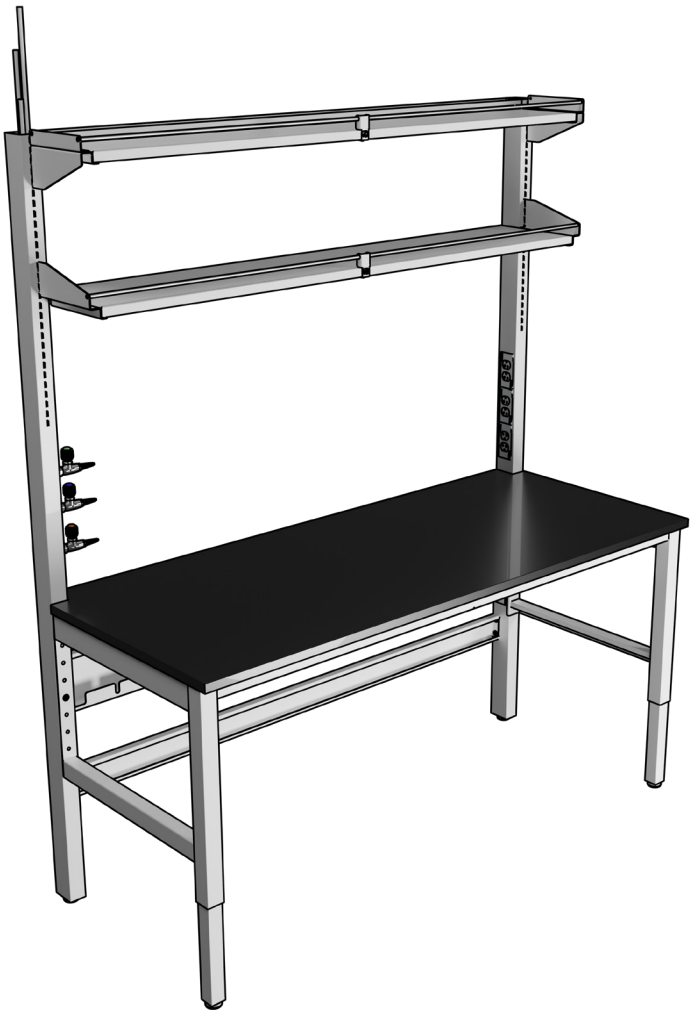


8. Check all fasteners are securely tightened.

9. Stand Bench upright.

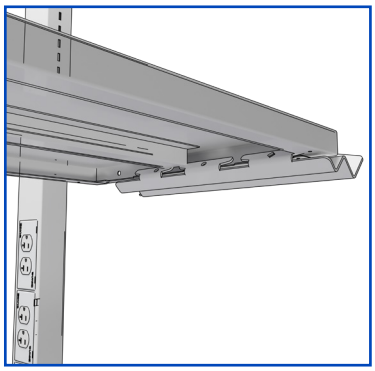


10. Secure Worktop to bench using a continuous bead of silicone around the perimeter underside of the worktop. (Worktop ordered and shipped separately)

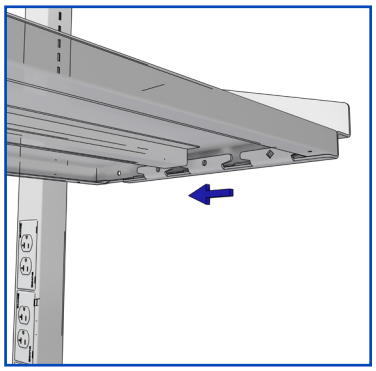


11. Attach Shelving and other accessories.
(Accessories ordered and shipped separately)

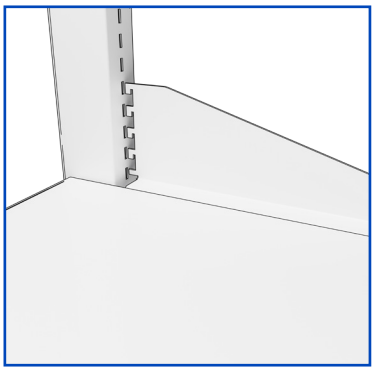
Position shelf brackets and shelf as shown.



Rotate bracket to insert tabs into shelf recess.



After bracket is able to rotate back to final orientation, slide it towards the rear to secure it.



Once both brackets are in place, align the bracket hooks with the post slots at the desired level, then insert and allow the shelf to lock downwards.

MAINTENANCE & OTHER INFORMATION

ELEMENT LAB BENCH

NOTE: This product is intended to be used in a laboratory environment. The bench provides support for laboratory equipment and supplies electrical outlets for use in laboratory applications.

CAUTION: Operating the bench in a manner not specified by this manual may impair the function of the bench and the protection afforded by the design. Always ensure that the bench is set up and installed according to the specifications outlined in this manual before operating. Avoid installing the bench in a location that would prevent disconnecting the twist lock plug that supplies power to the device. Under normal operating conditions no gases or substances can be emitted from the bench.

INSTRUCTIONS FOR LIFTING AND CARRYING: Do not attempt to move the bench alone – always implement a team-lift to safely move the bench. Ensure that the bench is electrically disconnected and that the power cord is secured prior to moving the bench. Ensure that any plumbing is disconnected and secured prior to moving the bench. Remove items or equipment sitting on the bench before moving the bench. When moving, ensure that the bench does not tilt or it may overbalance. Do not attempt to carry up flights of stairs. The bench may be partially disassembled to ease transportation. Refer to the assembly instructions below.

CLEANING: Clean surfaces with an isopropyl alcohol solution in water and a non-abrasive cloth or sponge. A mild detergent can also be used instead of isopropyl alcohol. Avoid using caustic or corrosive cleaning chemicals. Do not directly wet electrical outlets. Use caution when cleaning around electrical outlets. Allow bench to dry completely before use.

MAINTENANCE: Under normal operation, no maintenance of the bench is required. If maintenance is required, follow all safety precautions and instructions. Prior to performing any maintenance work on the bench, ensure that the power supply has been disconnected. The wiring can be accessed by removing the bezels securing the receptacles to the rear post. The bezel is attached to the post by four snap fits that must be depressed. When work is complete, ensure that the receptacle is properly secured to the bezel and the bezel is snapped back into the post. Perform continuity tests to prevent electric shock.

ASSEMBLY AND INSTALLATION: Refer to Start of this Booklet for assembly instructions.

OPERATING CONDITIONS: The bench is intended for indoor use only. Ideal operating range for ambient temperature is from 65°F to 75°F. Ideal operating humidity is 40% or less relative humidity. The bench is intended to be used at altitudes below 2000m. The bench is intended for use in a Pollution Degree 2 environment. The bench is wired for connection to an Overvoltage Category II power supply.

SYMBOLS AND MARKINGS:

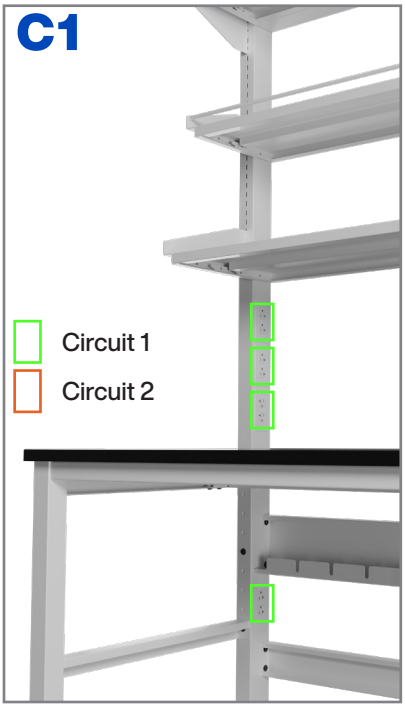
ISO Cautionary Symbol (ISO Publication ISO 3864, No. B3.1) consisting of an exclamation mark within an equilateral triangle. Where used on the bench, indicates the risk of electric shock if equipment is improperly operated.

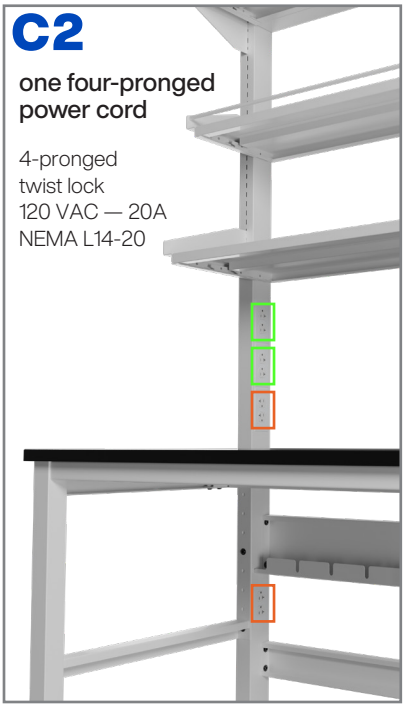
Smoke Developed Index Label, consisting of an exclamation mark within an equilateral triangle with text below stating, “SMOKE DEVELOPED INDEX OVER 450”. Where used, indicates that the material labeled achieved a Smoke Developed Index (SDI) greater than 450 when tested to ASTM E84.

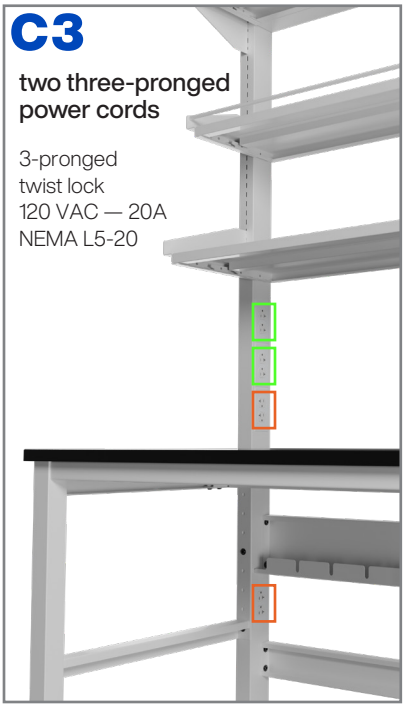
GFCI Protected Outlet Label, consisting of blue background with white text stating, “GFCI Protected Outlet”. Where used, indicates the labeled outlet is protected by a GFCI device.

TECHNICAL SPECIFICATIONS

Bench Dimensions	36”-72” W x 30”-36” D x 84” H
Electrical Specifications	SJ-12-3 cord terminating at one (1) twist lock NEMA L5-20P plug at one end and one (1) circuit with one (1), two (2), three (3) or four (4) 125 V, 20 A duplex receptacles at the other end. Or alternatively, SJ-12-4 cord terminating at one (1) twist lock L14-20P plug at one end and at two (2) circuits each with one (1) or two (2) 125 V, 20 A duplex receptacles at the other end. Or alternatively, two (2) SJ-12-3 cords terminating at two (2) twist lock NEMA L5-20P plug at one end and at two (2) circuits each with one (1) or two (2) 125 V, 20 A duplex receptacles at the other end. In each circuit, the duplex receptacles may be replaced by a GFCI protected receptacle. See below for Circuit Layouts.
Plumbing Specifications	Non-electrified post may come supplied with up to two pre-piped service fixtures. Air, Vacuum and Nitrogen fixtures can be supplied with a PVC hose at specified length, and Natural Gas fixtures can be supplied with a rated stainless steel hose at specified length. Hoses terminate at female 3/8 NPT connector.
Load Rating	MAX 1000 lb on work surface, MAX 200 lb on each shelf.

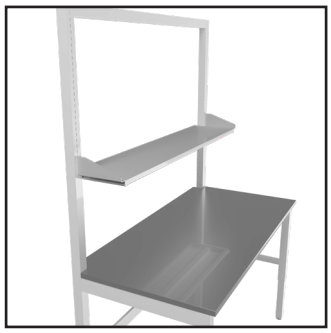






Accessories *ordered and shipped separately*

SHELVING



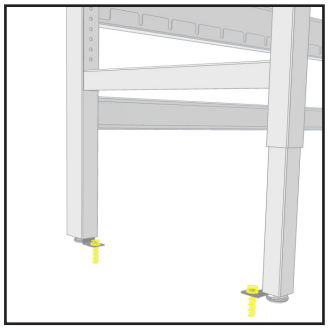
RETAINING RODS

LOWER SHELF

HANGING RAIL FOR SUSPENDED CABINET

LED TASK LIGHTING

LEG ANCHOR

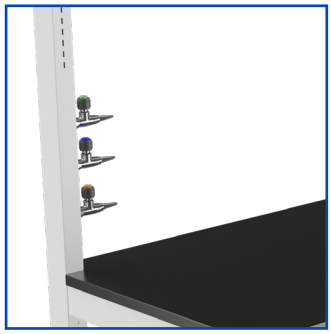


MONITOR ARM

KEYBOARD TRAY

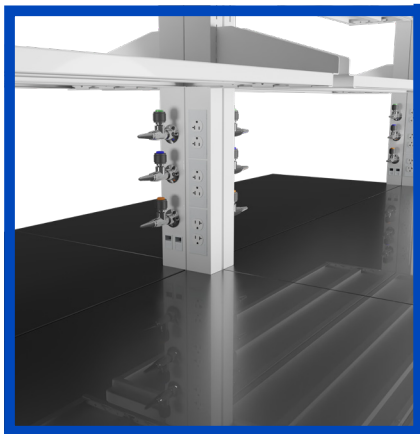
CPU HOLDER

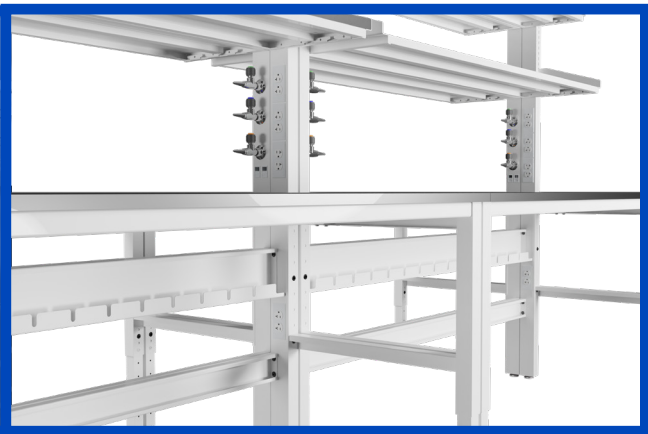
FIXTURES

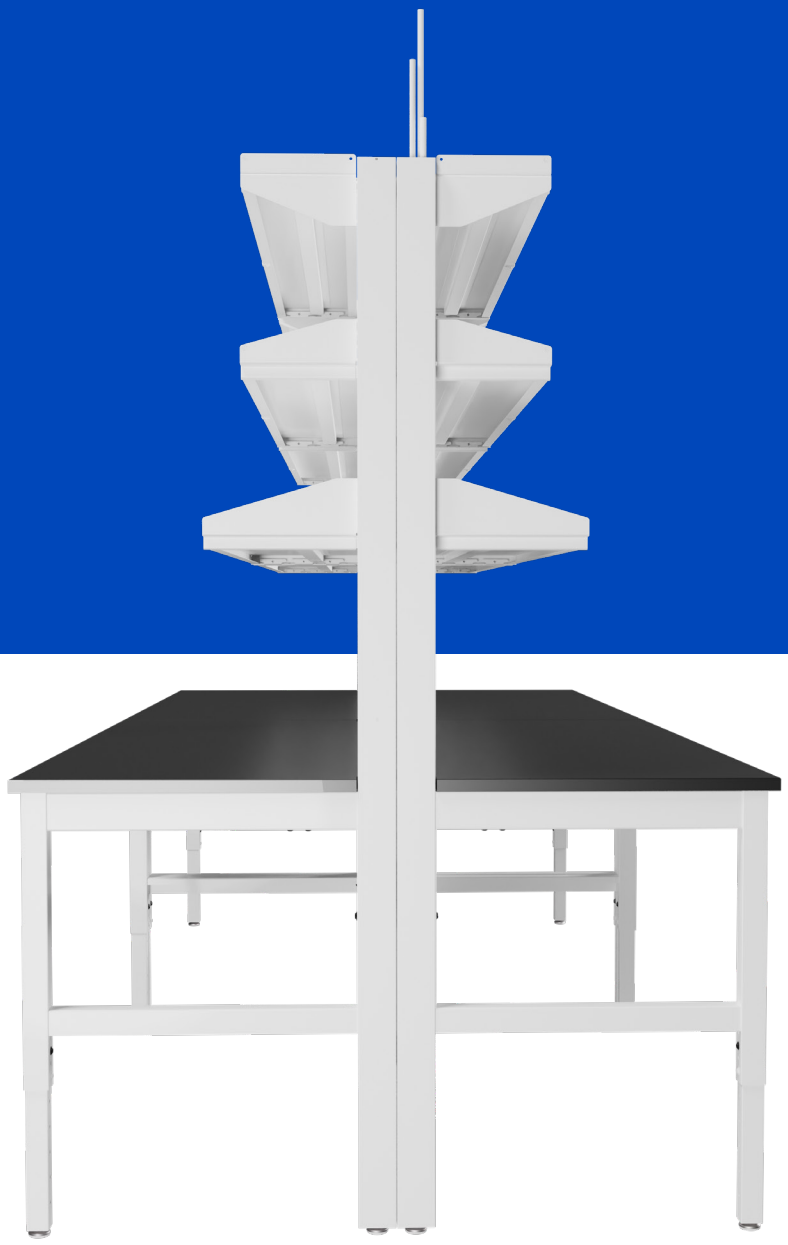


ELECTRICAL OUTLETS

GLIDES AND CASTERS







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KEWAUNEE® Scientific Corporation

P.O. Box 1842 • Statesville, NC 28687-1842
Phone: (704) 873-7202
kscmarketing@kewaunee.com
www.kewaunee.com

PN: 930093

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