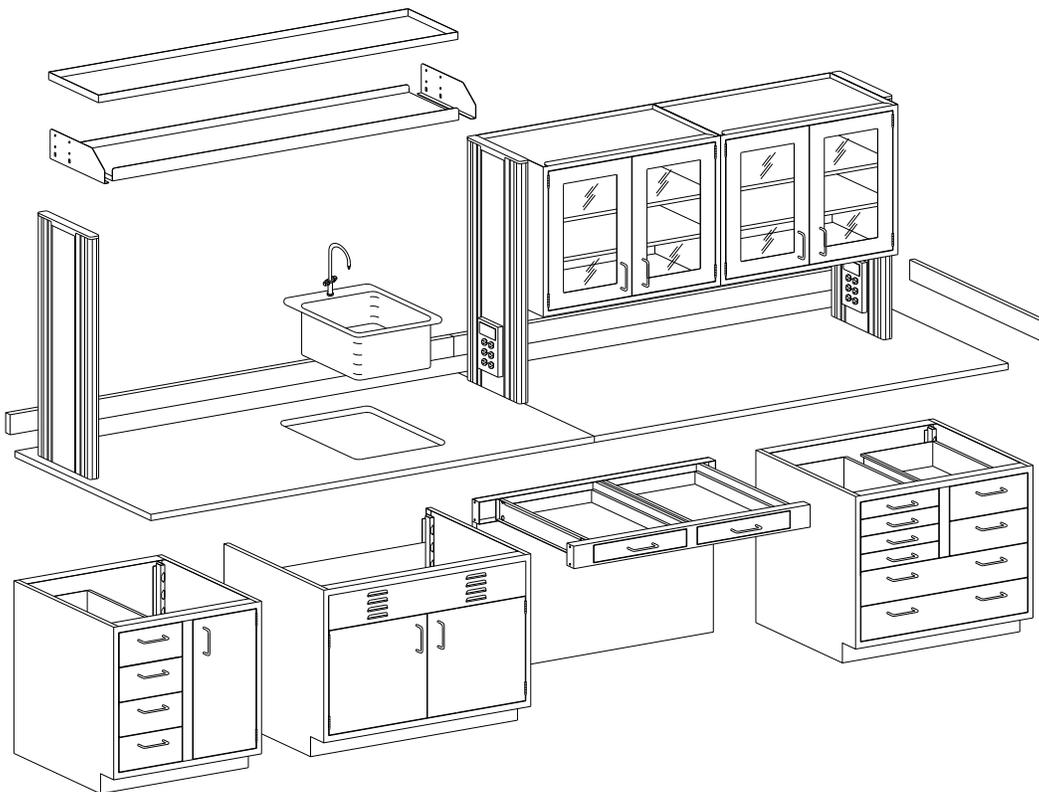


# Eclipse Laboratory Casework & Reagent Racks Installation Guidelines



## IAC INDUSTRIES

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## INTRODUCTION

We are pleased that you have selected high quality IAC Industries Eclipse Lab Furniture for your application. It is our goal to give you the very best available products and the proper installation of your new items will assure your complete satisfaction.

We have developed these installation guidelines to aid you in the proper installation of your new laboratory equipment. These guidelines are designed to get you and/or your installation crew(s) started in the right direction, however they do not supersede any federal, state or local code or “best practices” requirements. IAC recommends that all installation personnel be qualified and where needed certified in their field. All electrical and plumbing should be done by fully licensed individuals and/or contractors. IAC Industries is not responsible for any damage to any products that are installed improperly, or that are damaged in transit or during the installation process.

These guidelines are for the installation of steel laboratory furniture assemblies. Please note the guidelines are basic and are not meant to cover every situation you may be faced with during the installation process. There will be project specific conditions which will have to be addressed as they occur. In these instances your qualified installation crew(s) and certified electrical and plumbing contractors should be able to make recommendations as needed.

If there are any questions concerning shipping problems such as damage or incorrect items received, please contact the IAC Eclipse Lab Furniture Customer Service Department:

### IAC Industries

3831 S BULLARD AVE.,

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Phone 714-990-8997

FAX: 714 990-0557

## IN TRANSIT DAMAGE

### **IMPORTANT! PLEASE CHECK YOUR FURNITURE IMMEDIATELY UPON ARRIVAL!**

Your furniture was accepted by the carrier in good condition and we urge you to inspect each carton for obvious damage to the contents before accepting it. If damage is found, insist that the driver note the damages on the freight bill and sign it. IAC Industries also recommends that pictures be taken of anything that looks like it may have been damaged in transit. If after uncrating the furniture you find concealed damage which was not apparent while the furniture was packaged and the driver is on the premises, contact the delivering carrier and request that they send a representative to make a physical inspection of the damage and prepare a concealed damage report.

**The inspection must be made and a concealed damage report filed within fifteen (15) days after equipment is delivered.** If the furniture is stored for a period of time and then damage is discovered, trucking companies will not make or honor inspection reports.

**NET F.O.B. FACTORY OR COLLECT SHIPMENTS** - Customer is responsible for filing all claims for damage

**NET F.O.B. DESTINATION OR DELIVERED, INSTALLED JOBS** - Shipper is responsible for filing claim; however, proper documents must be forwarded to accomplish this.

**PLEASE NOTE: We cannot make “No Charge” replacement on Prepaid Shipments without proper damage documentation, ie. Freight Bills, Concealed Damage Reports, Inspection Reports, etc.**

A. If the damage is such that it can be repaired on the job, we recommend that you have the damage repaired and file your claim with the delivering carrier. This is the least expensive option and the best way to keep the install on schedule.

B. If the damage cannot be repaired locally, forward the noted freight bill or the concealed damage report to IAC Industries, along with information giving the Item and or part of the damaged product. Please refer to the packing list you received with the products for Item part numbers. Damaged items will need to be re-purchased and standard lead-times may apply.

C. Damaged Tops: If damage occurs to tops, handle the same as damage to furniture. Some types of tops can be repaired by a qualified lab equipment installer on site. This is the least expensive option and best way to keep the install on schedule. If repair is not possible, damaged tops will need to be re-purchased and standard lead-times may apply.

## UNPACKING

IAC Industries used several different packaging methods to insure that the items are received in good condition. Cabinets are incased in protective foam sheets and covered in cardboard. Depending on the destination cabinets may be crated. Always remove the packaging carefully so that the items are not damaged and so that personnel are not injured during the process. The use of hammers and knives to open crates and cardboard boxes should be uses very carefully. Once the packaging has been removed IAC recommends that the protective foam and cardboard be used to protect the cabinets during the installation process.

Items other than cabinets such as fillers, knee space rails and panels, are usually packed in boxes designed to hold multiple parts. All items are wrapped in protective foam sheets and then two part expanding foam is applied to the inside of the box to hold the parts in place. These boxes are held together with high strength plastic straps. These straps need to be cut with a utility knife or heavy duty scissors. These tools need to be used very carefully to avoid injury.

IAC Industries supplies many different types of table tops. These tops are usually heavy and can be very large. Cautions needs to be used during the handling of table tops. Table tops are stacked on wooden skids using protective foam or cardboard in-between each piece. The tops are then covered in cardboard and edge protectors. Steel banding material is used to hold the tops to the skids. The steel bands must be removed using steel cutters. Caution must be used when cutting the steel bands as they are fastened tightly and can “spring” upwards when they are cut.

It is the customer’s responsibility to make sure that all items are protected after they are unpacked and during the installation process. If damage occurs during this process IAC can supply touch-up paint and some small replacement parts. All manufactured or expensive buyout parts must be purchased if replacements are needed.

Most all packaging materials used by IAC can be recycled. In our continued efforts to maintain as small a carbon footprint as we can IAC recommends that all packaging materials are recycled and/or disposed of properly.



### **WARNING:**

**ALL PARTICLE BOARD USED IN IAC INDUSTRIES PRODUCTS ARE SOURCED ONLY FROM VENDORS THAT ARE CARB ATCM PHASE 2 AND TSCA TITLE VI COMPLIANT WITH VALID CERTIFICATES.**

Drilling, Sawing, Sanding or Machining Wood products can expose you to wood dust, a substance known to the state of California to cause cancer. Avoid inhaling dust generated from wood products or use a dust mask to other safeguards for personal protection. This product can expose you to chemicals, including formaldehyde, which is known to the state of California to cause cancer, and methanol, which is known to the state of California to cause birth defects or other reproductive harm. For more information please visit, [www.P65WARNINGS.CA.GOV/WOOD](http://www.P65WARNINGS.CA.GOV/WOOD). COPY OF VENDOR CERTIFICATE AVAILABLE UPON REQUEST.

## **GENERAL INSTALLATION GUIDELINES**

Your furniture is designed to make installation as easy as possible. All necessary fillers and other parts are furnished as ordered to allow you to achieve a complete and finished laboratory installation.

A complete parts list, "Packing List" is supplied with all orders. The Packing List contains all the components purchased and shipped for your application. The Packing List accounts for all items and referenced the box or packaging the items are in. It is very important to review the Packing List when the items are being unpacked to be sure all items have been received. With large installations there can be several storage locations that items have been delivered to. All these areas should be reviewed during the unpacking process. Installation activities should start only after all items on the packing list are located. Hardware kits and plumbing fixtures should be gathered and keep in a single secured location until they are needed as they are often misplaced causing delays in completion of the installation. Lost items must be re-purchased and standard lead-times may apply.

Before installation starts the installers should study your layout prints, the parts and packing lists carefully before work begins. Once every one is confident in all aspects of the install items like cabinets and filler panels can be move to their approximate location.

## **GENERAL LAYOUT GUIDELINES**

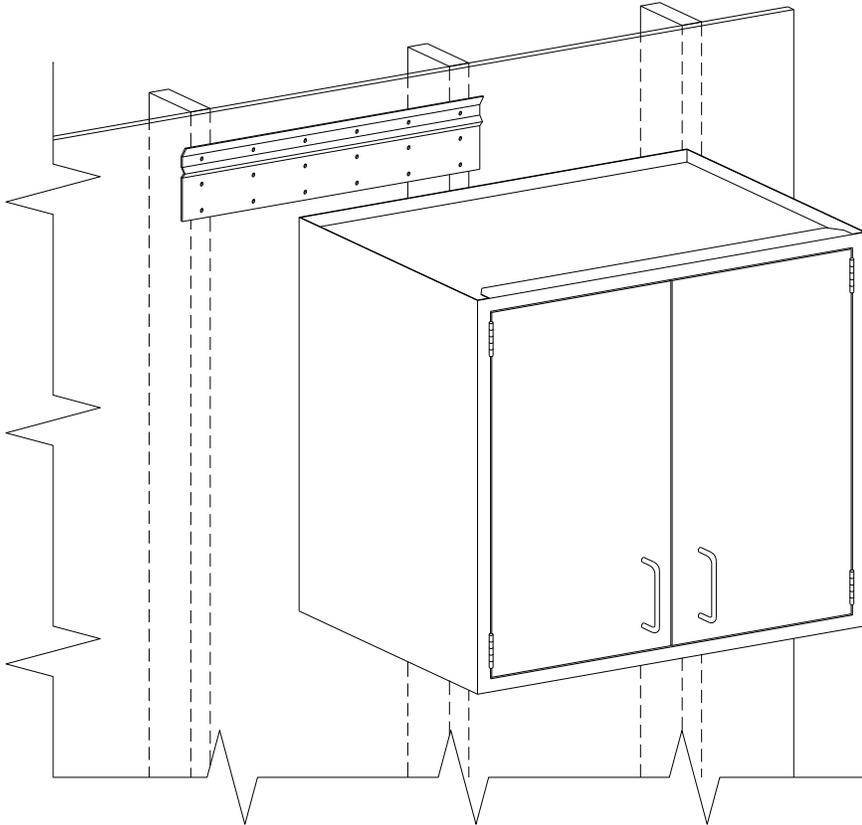
If your layout includes wall mounted cabinets it is a good idea to install them first. See pages 6 thru 7 for installation guidelines for these types of cabinets. It is important to be sure wall cabinets are secured to the wall properly.

When the units that form a complete item have been placed in the approximate location where they are to be installed, arrange the units according to the installation layout drawings. Once this has been done, move the items to a close to their final location as possible and then locate the high point in the floor. This will be the beginning point for leveling this and all base cabinets in that layout. IAC recommends the use of a good quality laser level for better accuracy. Level the base cabinets using the floor glides installed in the bottom of the cabinet. It is very important that the leveling process is done very accurately.

It is a good idea to be sure to double check that all furniture items are in the correct location. Making changes later on in the process can be difficult.

## WALL MOUNTED CABINET INSTALLATION

Wall cabinets are hung by first attaching the wall cabinet mounting rail supplied with the cabinet. This is heavy gauge metal rails that is attached to the wall using installer supplied attachment hardware. The mounting rails are designed with multiple holes so that attaching it to a wall stud is easier. If the spacing of the wall studs are in locations that do not meet with the holes in the mounting rail it might be necessary to install a sheet of plywood or wood cleats to the wall and then securing the cabinets with screws.



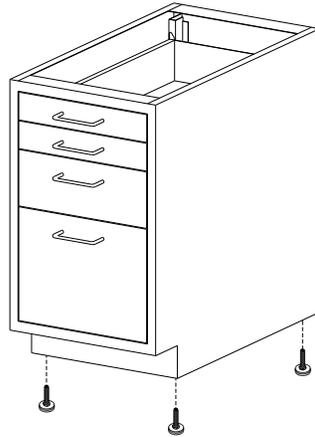
Determine the exact location of the cabinet and mark the desired location of the top left corner on the wall. If more than one cabinet is to be installed in a row, make a chalk line on wall to line up the top of the mounting rails. Make sure chalk line is level. When the mounting rails are secured lift the wall cabinet up over the top of the rails, carefully push it against the wall and carefully lower it on the mounting rail. If the mounting rail is level the cabinet will be level. If the cabinet is no level adjustment may need to be made to the mounting rail.

Note: There are no fasteners supplied with the cabinets to attach them to the mounting rail. If the installation crew feels additional fastening is required they can drill through the back panel of the cabinet and add screws as needed.

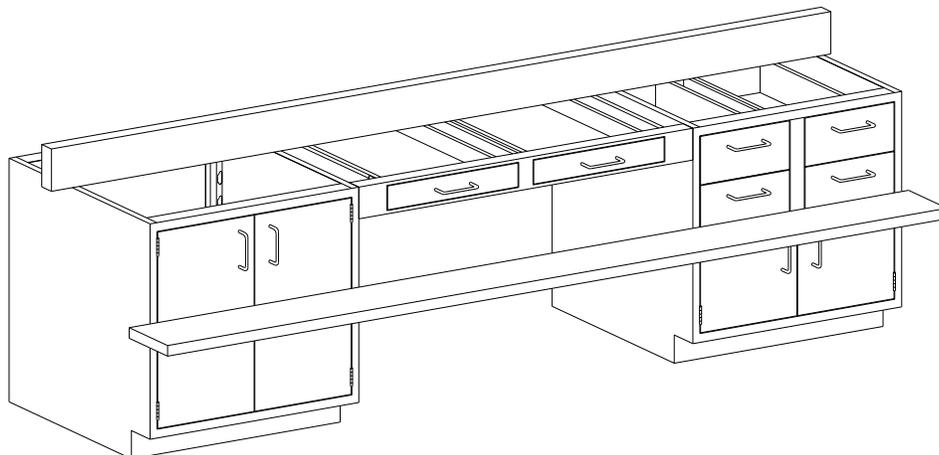
## BASE CABINET INSTALLATION

When cabinets are located next to an adjacent wall, refer to the filler installation section before setting the first cabinet. If the first item is an apron, refer to apron installation.

Move the first cabinet into its final location and bring it to the proper level. Level the cabinet with the leveling glides found in each inside corner of the cabinet. There is over 2 ½" of thread on the leveling glides so there should be no issues with getting all cabinets level. Once the first cabinet is level move the next cabinet into place making sure not to disturb the location of the first. Level the second cabinet in the same way as the first. Continue to use the leveling glides in the cabinets to level the entire line of cabinets.



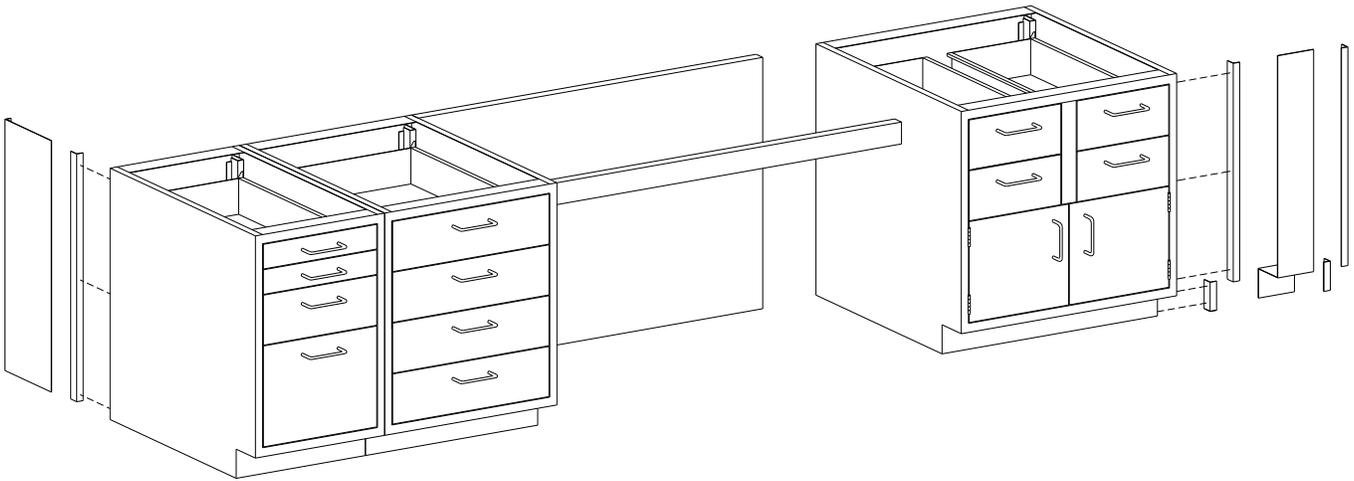
During the leveling process it is important to make sure the front faces of the cabinets are on the same line. Using a laser level beam for this is the best way to make sure the install is accurate.



Repeat the above process until all cabinets for the assembly have been installed. Be sure to check the alignment of the cabinet fronts and tops as you proceed to make sure they are flush and level.

## FILLER PANEL INSTALLATION

When all plumbing and/or wiring has been completed, the filler panels can be installed. Filler panels **MUST** be installed before the table tops are installed. In general filler panels are used to fill any openings left between cabinet units and the wall, or open spaces between cabinets. There are 4 basic fillers, front, rear, corner and knee space. Careful installation of these items will improve the appearance of the furniture, and aid in keeping the laboratory clean.



Filler panels are attached to the walls and cabinets using sheet metal screws supplied, or a suitable alternative supplied by the installer such as “TEK” screws. It is a good idea to use a 1/8” drill bit to predrill the holes for attaching the filler panels to avoid movement of the panel during the attachment process.

## TABLE TOPS INSTALLATION

Before installing the table tops it is very important to make sure base cabinets, aprons, wall supports and all other items that are under the table tops are installed and secured. When the table tops are installed it is very difficult to make changes.

Lay all top sections out in place, checking carefully with the installation drawings to make sure the proper sections are in the correct locations. Check to make sure all fixture holes and sink cutouts are the proper size and in the correct locations. Also make sure they are not obstructed. When all the double checking is done start moving the tops into their final locations, make sure each piece is evenly supported. If the base units have been properly leveled, the top sections should lay smoothly, with top surfaces flush and with the seams aligning. If you have a slight variation in top thickness from one section to another the thinner tops will need to be lifted to match the level of the thicker top. This can be done during the attachment stage with shims or extra "Smooth-On" or silicone.

