UNIVERSAL DESK ASSEMBLY INSTRUCTIONS

Universal Assembly Instructions

In practice, all SMARTdesks assemble using the same approach. They differ in whether they are a simple desktop, a flipIT® desktop, or flat panel FP Series desktop with monitor port and shelf. The Newpath latop desks have contoured panels and tops, but the approach to assembly is the same, using Confirmat Screws for assembling the cabinets and Lamello Cabineo surface connectors for attaching the top to the base cabinets.

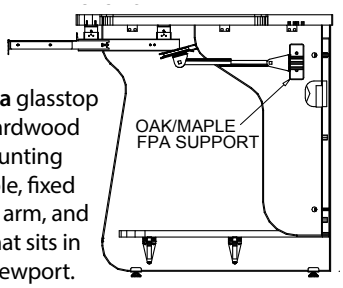
These instructions were photo illustrated with the FI Series flipIT® models. It will show the keyboard/mouse trays being installed at an early stage when gravity is your friend. If your specific desk does not include a keyboard/mouse tray, please disregard. This would be true for desks with the flipIT Laptop Safe®.

You will note that the main difference between the single and the double is the additonal CPU bay. The approach to assembly is the same for both models. These instructions will emphasize the double.

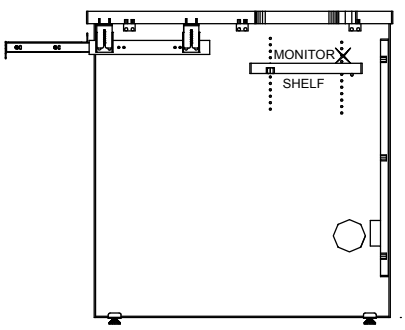
Newpath and LT Series Desks have no keyboard trays or CPU cabinets. flipIT Laptop Safe® instructions apply after desk assembly.

The DT Series desktop may include separate instructions for accessories, such as LCD arms from the LCD arm manufacturer.

The FP Series Desk has an adjustable depth monitor shelf that installs with pins after desk assembly.



The MiraVista glasstop desk has a hardwood brace for mounting the adjustable, fixed position LCD arm, and plate glass that sits in the routed viewport.



Tools Required

- Screw gun
- 4mm hexagon bit for Confirmats (provided)
- 4mm ball head hexagon bit for Lamello Cabineo surface connectors (provided)

Pre-Assembly:

Use a furniture blanket to prepare a safe workspace for finished surfaces.

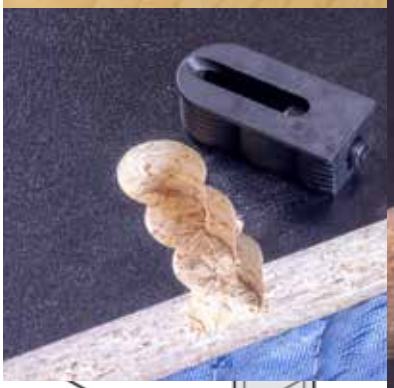
Install Lamello Cabineo Surface Connectors

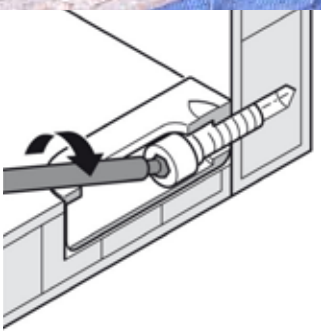
The milled locations are easy to identify. Simply tap the surface connectors into these locations with a hammer. Avoid full power pounding!!

The tip of the screw ships "proud" which enables easy assembly.

The diagram shows how the surface connector works. The 4mm ball end hexagon bit is used with a screw gun to make the surface connection. The ball end is used because the access to the screw head is at an angle.

Note: The 4mm ball head hexagon bit for Lamello Cabineo surface connectors can be turned around to make a straight 4mm hexagon bit for Confirmats. This is recommended to extend the tool life of the ball end.





Install Levelers | Floor Glides | Locking Casters

Place black metal trim parts in position over the hole and install the threaded insert using the 6mm hex key (provided).

DO NOT USE A SCREW GUN.

Install the threaded floor glides or locking casters into the inserts.

Assembly:

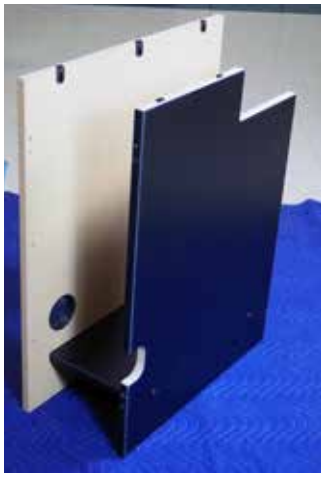
On the floor, use a furniture blanket to prepare a safe workspace for finished surfaces. If using carpet, vacuum to make sure nothing sharp, like a paper cliip, thumb tack, or stray wood screw is present to ruin the funiture surface.

Install keyboard/mouse tray, if the model includes it.

Eight Phillips head wood screws will be found for each keyboard/mouse tray. It is best to install this before installing cabinets, as depicted, because access to the screw locations is limited.

Assemble CPU Cabinets

The end CPU cabinet will be black on the inside and a laminate color chosen by the client on the outside. In this manual, the inside laminate was chosen to be fusion maple for clarity in showing the pilot hole locations. Expect the inside color to be black.

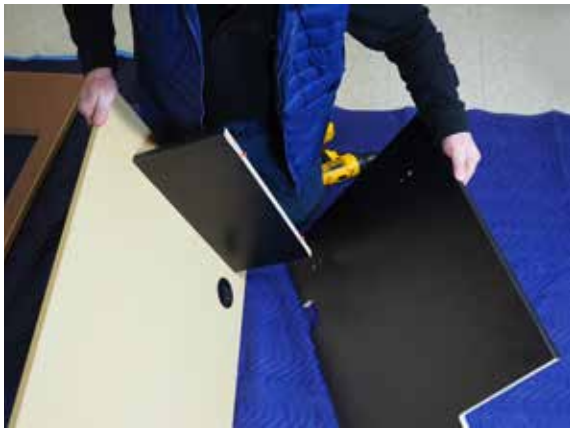


Colored dowels are used to help locate the shelf for assembly. Press the dowels into the locations in the panel, then begin assembly.

Press the shelf onto the end panel with the dowel pin locators, then use the 4mm hex tool in a screw gun to mount the shelf using Bronze Confirmat Screw Connectors.

CPU Cabinet Assembly, continued.

With the shelf now attached to the end panel with Confirmats, match up the dowel locations to the all black cabinet panel.

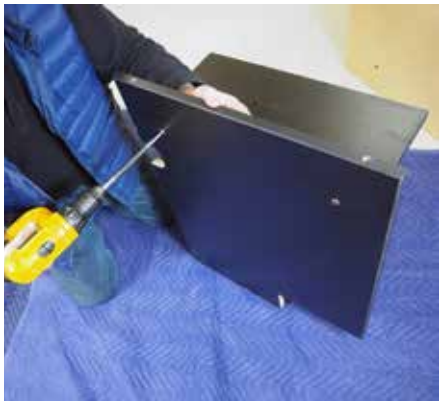


Complete the end panel CPU cabinet by securing with two Confirmats using the 4mm hex drive and screw gun.

The double desk has a second CPU cabinet. The photo shows the parts and the completed assembly.

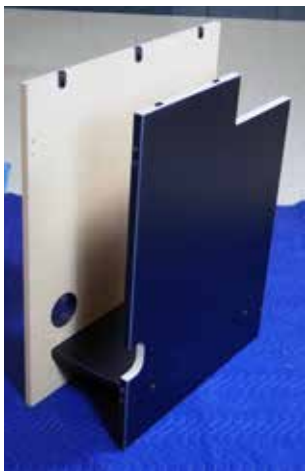
It goes together exactly like the end panel:

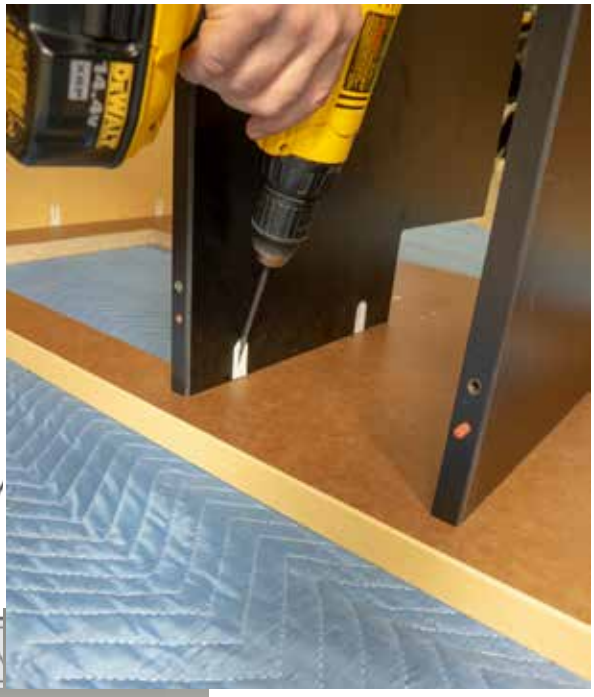
- Locate the shelf with dowels
- Install with Confirmat screws
- Locate the second side to the installed shelf with dowels
- Install with Confirmat screws.

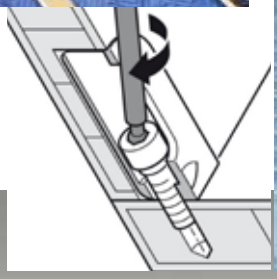


Attach base cabinet assemblies and panels to the top with Lamello Cabineo Surface Connectors

- The screws of the surface connectors are outset to facilitate locating them in the pilot holes.
- Note the locations of the wire pass-throughs and 80mm wire grommet: they should be at the back side of the top, opposite of the user side.
- Place dowels to help locate the modesty panel (the next step).
- Start with the end panel with the CPU cabinet assembly.
- If you are assembling a double, set the middle CPU cabinet assembly.
- If you are assembling a single or a double, set the end panel next.
- Use the ball end 4mm hex driver in a screw gun to drive the surface connectors into the top.
- The point of using a ball end hex driver is to let you drive a square fitting at an angle. Use this design feature to your advantage.







Note that the keyboards trays have been mounted prior to mounting the base panels.

If you skipped this step, please help yourself out and install them sooner, rather than later.

If you are assembling a desk for laptops, keyboard trays will not be included.

Turn desk for placement of the modesty panel

- Check to see that the pilot hole patterns of the modesty panel line up with the ones in the base panels.
- Let gravity do the work. Move the modesty panel around so the dowels locate the base cabinet(s) and panel.

- Use the straight end of the 4mm hex drive in a screw gun to install three Confirmats to secure the side panels to the modesty panel.
- Use Confirmats through the modesty panel to secure it to the CPU base cabinets.

And that's it!

Please refer to flipIT® instructions if you are completing a flipIT® FI Series Desk.

The DT Series desktop may include separate instructions for accessories, such as LCD arms from the LCD arm manufacturer.

The FP Series Desk has an adjustable depth monitor shelf that installs with pins after desk assembly.

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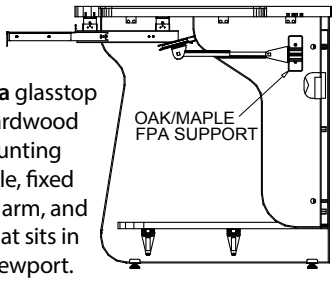

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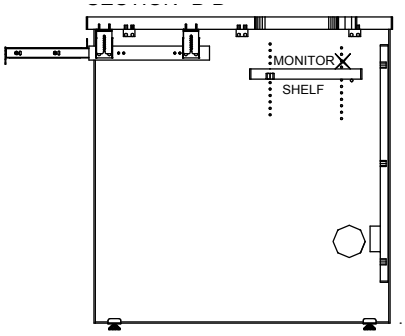


UNIVERSAL DESK ASSEMBLY INSTRUCTIONS

SMARTDESKS®

Assembly Instructions

Newpath™

The Universal Instructions show the use of the current surface connectors. This is an older Newpath Manual that shows how the parts fit together in detail.

Use the new Cabineo Surface Connectors instead of the Interlocks in this old manual.

For assembling desks only.
Refer to flipIT® Laptop Safe manual for installing the laptop safe and lock assembly.

Use these assembly instructions for:

SNP-302428-L18	**Single User Desks**
SNP-362428-L18	
SNP-362428-L23	
DNP-602428-L18	**Dual User Desks**
DNP-662428-L23	
TNP-882428-L18	**Triple User Desks**
TNP-962428-L23	

Getting Started: Install parts into panels

Tools Required:

- Phillips #2 Driver
- Power Adjustable Torque Driver (optional) torque set low
- Soft rubber mallet
  for installing wire grommets

Floor Glides, 2 per vertical panel

Installing Parts

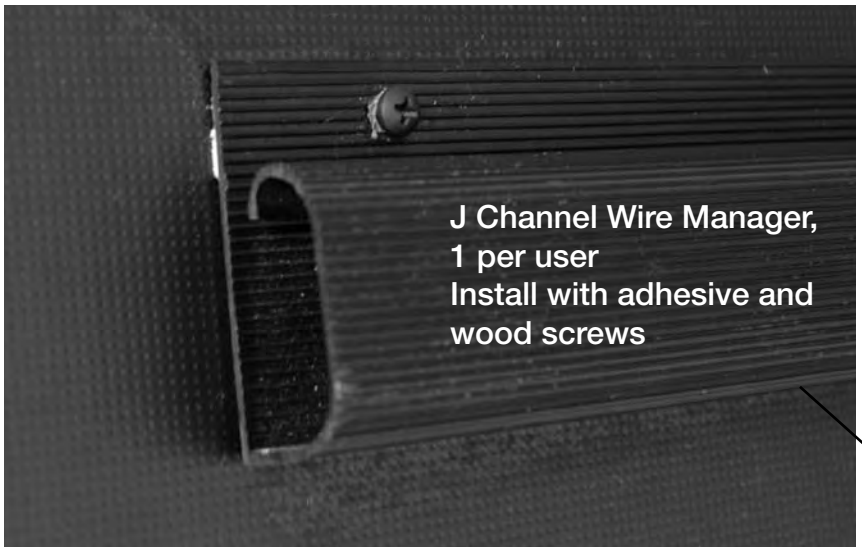
Lay down blankets or use area of clean carpet to lay panels on to protect finished surfaces. The main photo shows hardware installed into panels. Details are provided to identify the parts. Use this photo diagram to locate where parts go, prior to assembling the desk surfaces.

Plastic interlocks press into place, top inserts into the top, side inserts into the sides and braces.

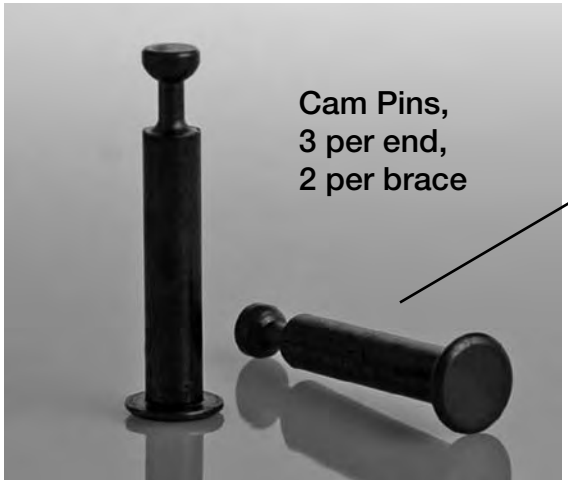
You may wish to assemble the floor glides and wire grommets after you build the desk. You should plan on placing all of the inserts and cam-locks while panels are laid out on the floor.

Wire management strips install with adhesive strips, but we recommend installing a number of 1/2" pan head wood screws to keep the strips installed over time, as heavy loads of cable and heat from nearby components tend to fatigue the adhesive.

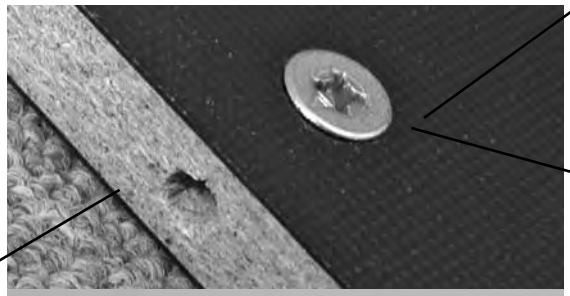
If power strips are to be installed to the modesty panels, install them below the J Channels so they won't interfere with flipIT® Laptop Safe.



J Channel Wire Manager,
1 per user
Install with adhesive and
wood screws



Cam Pins,
3 per end,
2 per brace



Cam & Pin Locked

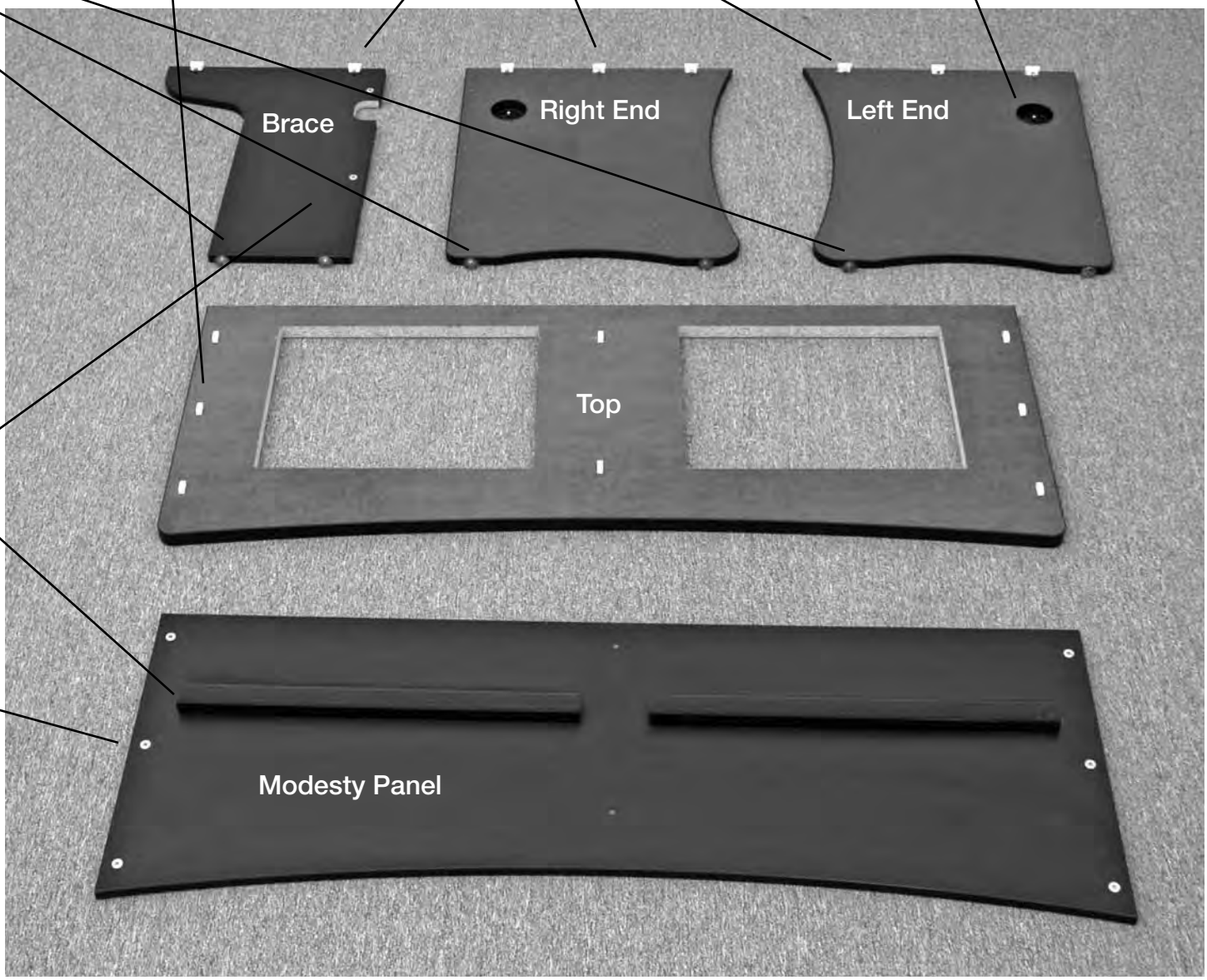
Interlocks: 3 per end, 2 per brace
Top insert, Side insert, apart and together

DISREGARD THIS STYLE OF SURFACE CONNECTORS

Top Insert

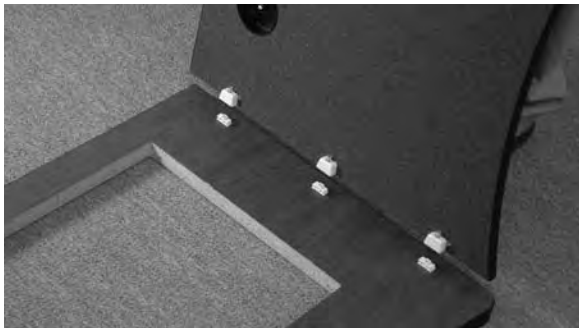
Side Insert

Wire Grommets, 1 per side



Panel Assembly

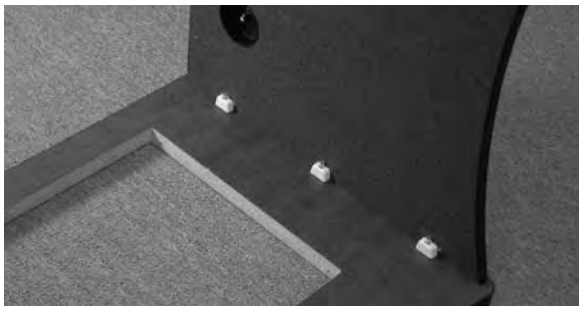
DISREGARD THIS STYLE OF SURFACE CONNECTORS



This approach that can be applied to singles, doubles and triples.

The top is placed on a blanket, or clean carpet to avoid scratching the top finish.

Start with an end. Capture the top inserts with the side inserts. The set screws must be unscrewed.

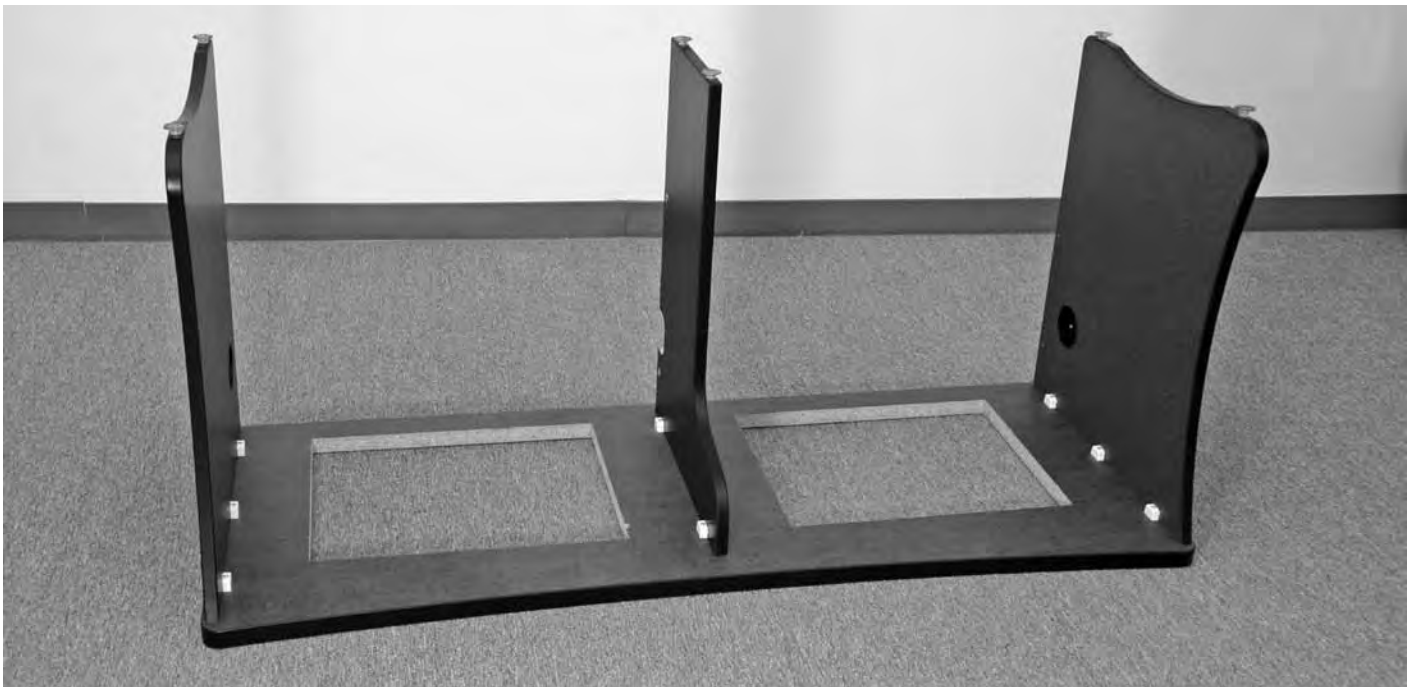


The inserts will click into place.

Use a Phillips #2 screw driver to tighten the interlock assemblies. If you use a power driver, set the torque to a low setting to avoid stripping out the inserts.

Below is the completed step.

Singles won't have a brace. A Triple will have two braces. This double has one brace.



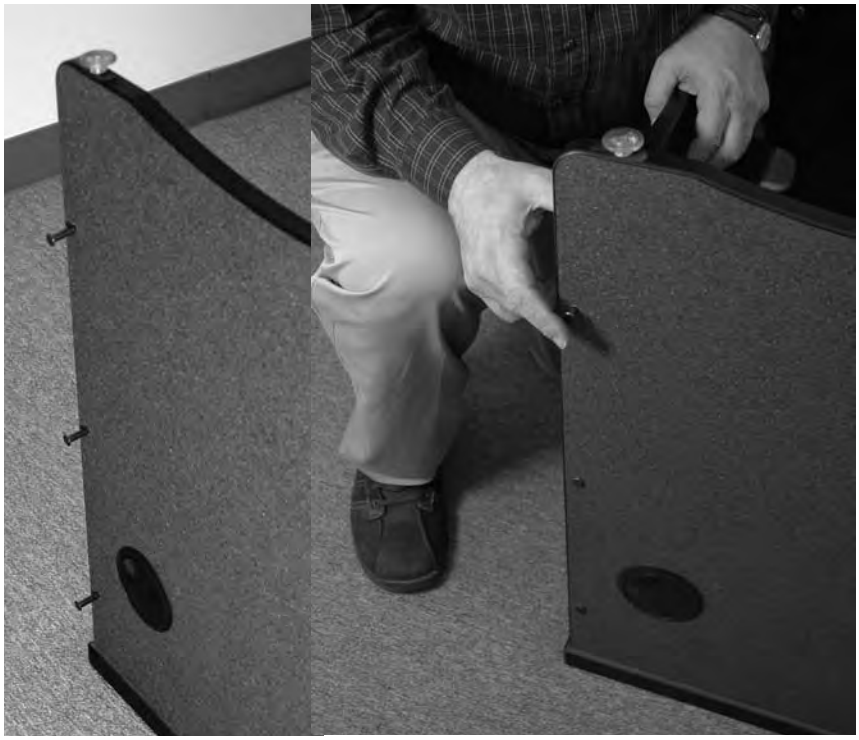
Insert cam pins half way into end panel pin holes

This will make assembly go smoothly.

The next step is to place the modesty panel into place so the pins can be pushed into place.

If you are assembling the single, without a brace, this can be managed pretty easily.

The arrow on the cam points away from the pin, as shown, to lock. The arrow should point the other way to insert.



For the double and triple, it is easier to start this process by pinning the modesty panel to the brace first. Then the end panels can be easily pinned.

Use a Phillips #2 screw driver to turn the cam 90° clockwise. to lock the cam. The arrow should be pointed away from the joint to lock.

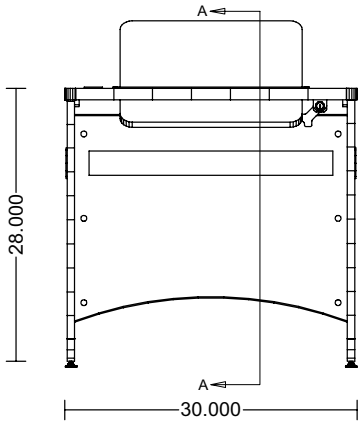
Fully Assembled

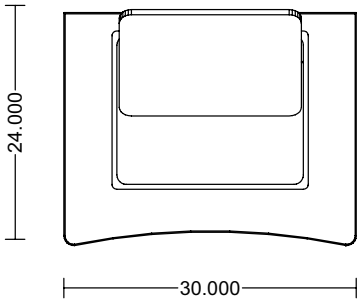
Use these photos as a reference for the finished piece.

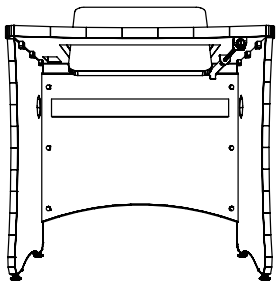
If you chose to install the floor glides and wire grommets later, this is the final step. The center of the wire grommet removes so you can gently knock the grommet into place with your hand or a soft rubber mallet.

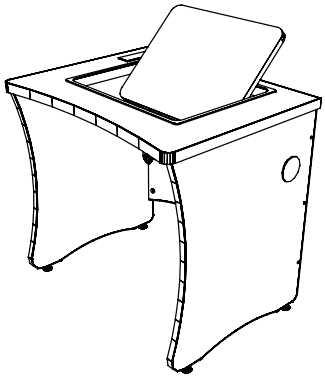
SNP-302428-L18

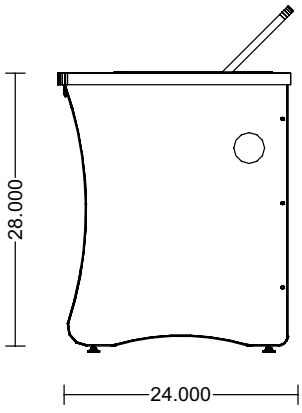
This production drawing describes the parts assembled in seven views.

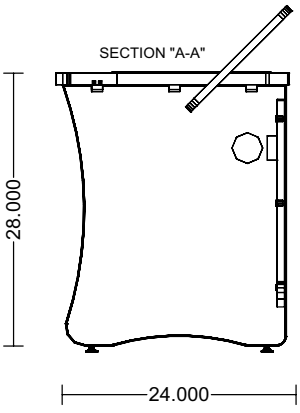


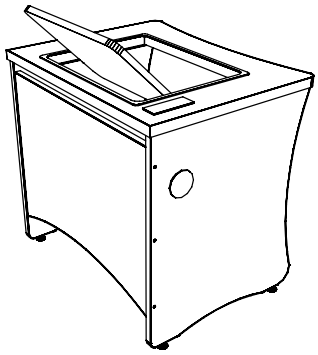






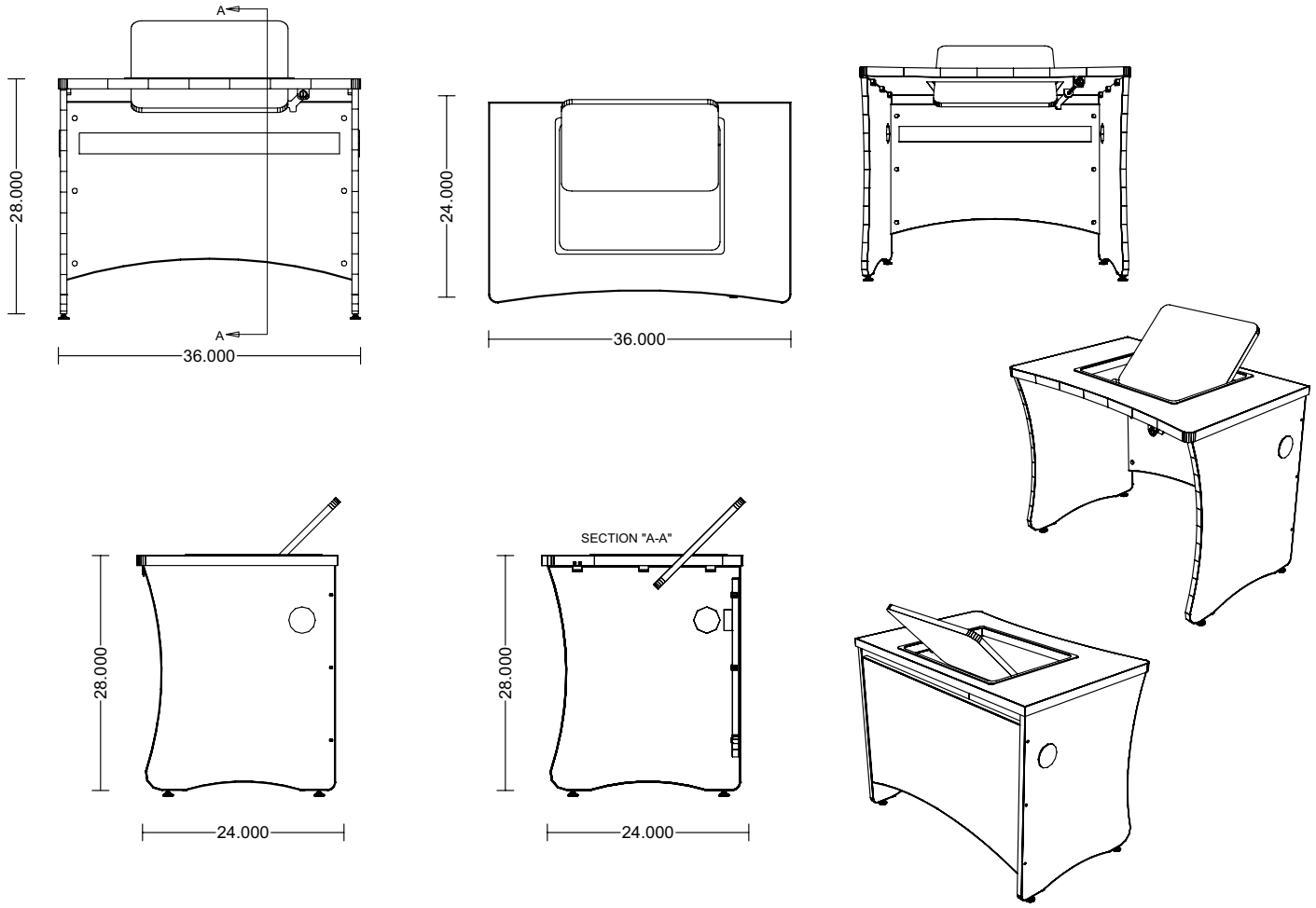






SNP-362428-L18

This production drawing describes the parts assembled in seven views.



SNP-362428-L23

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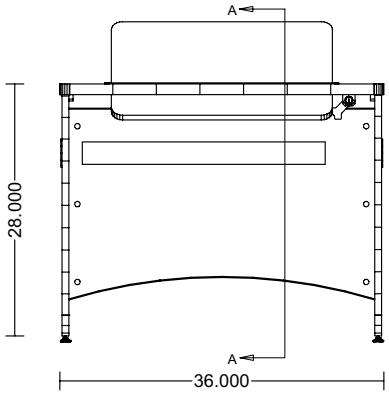

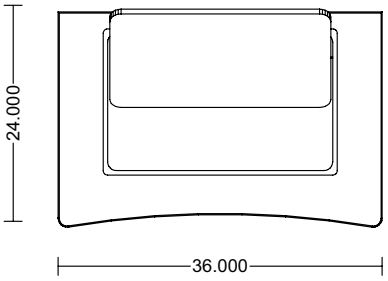

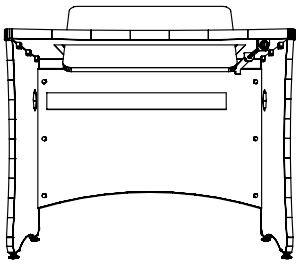

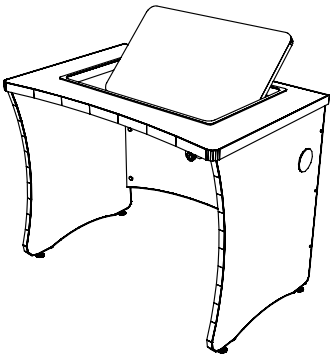

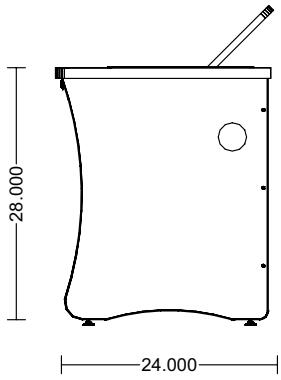

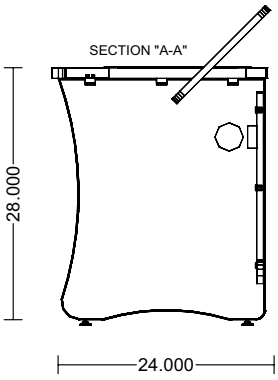

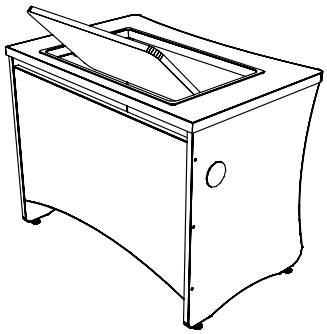

DNP-602428-L18

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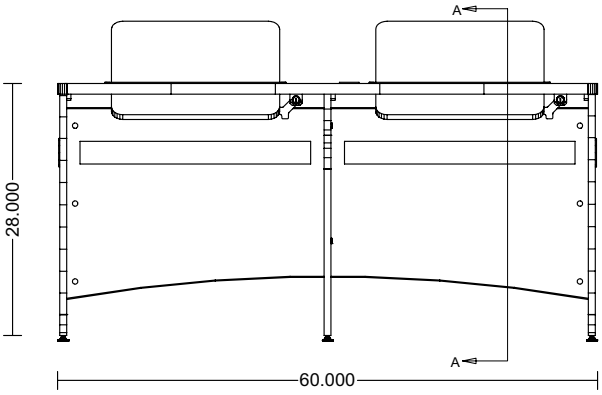
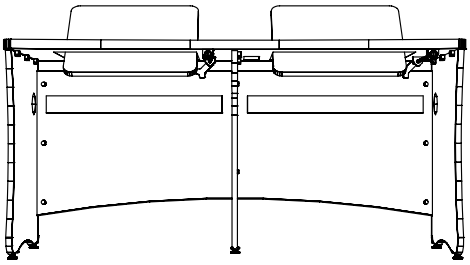
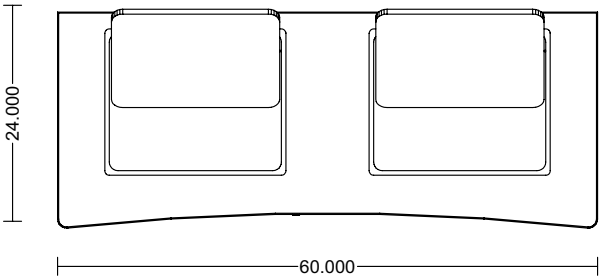
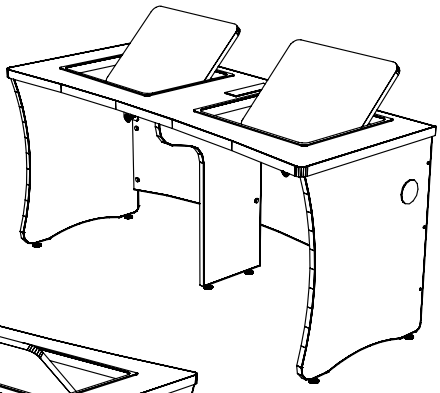
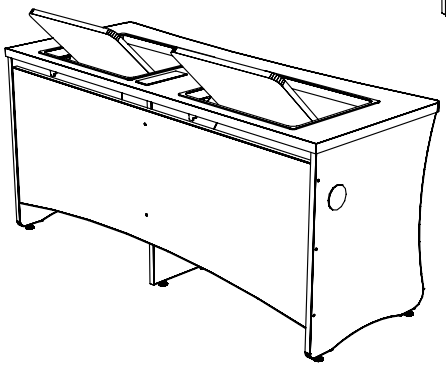
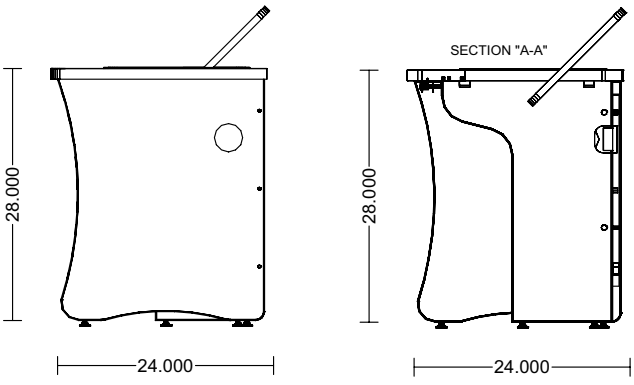






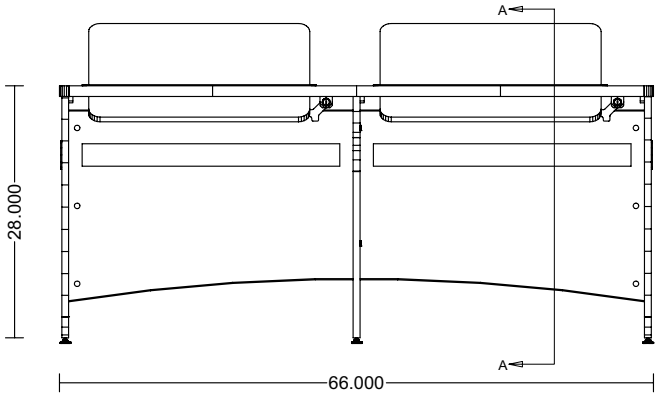


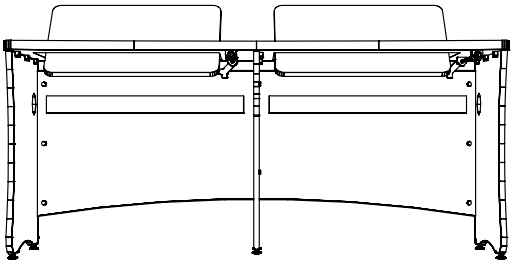


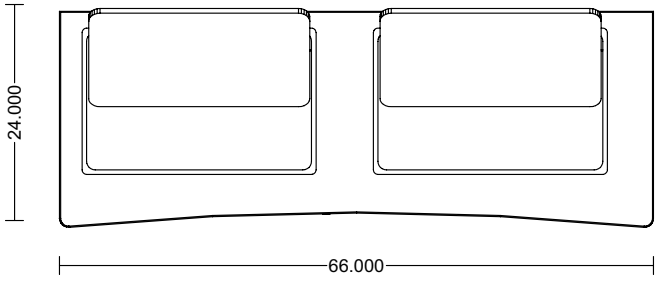


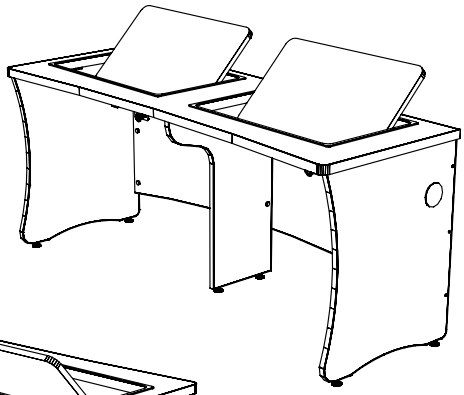
DNP-662428-L23

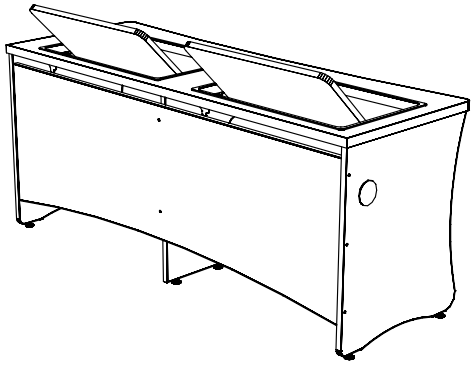
This production drawing describes the parts assembled in seven views.

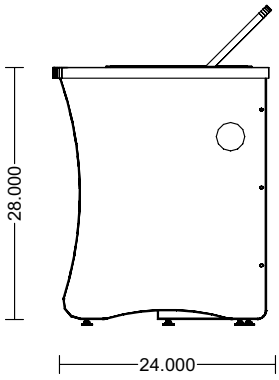


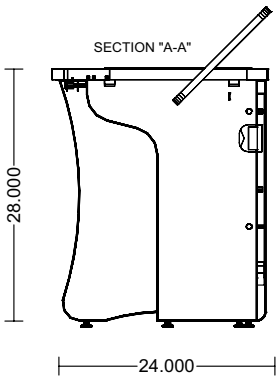






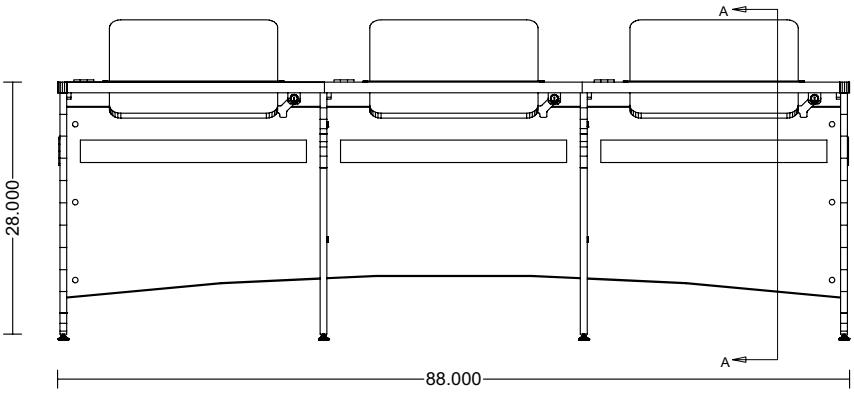


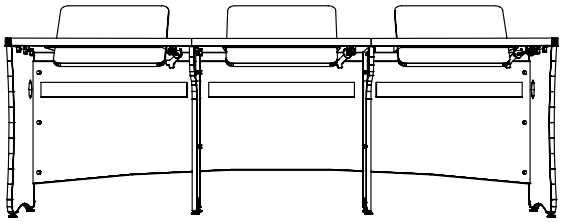


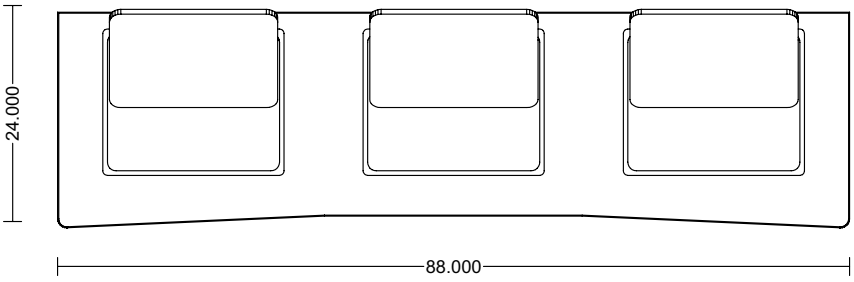


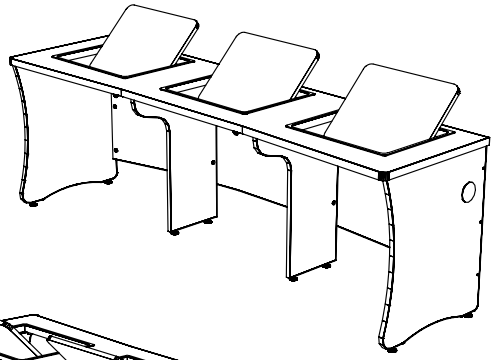
TNP-882428-L18

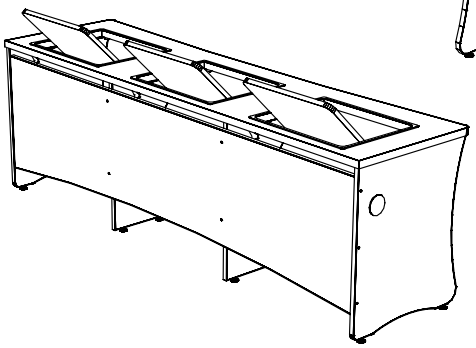
This production drawing describes the parts assembled in seven views.

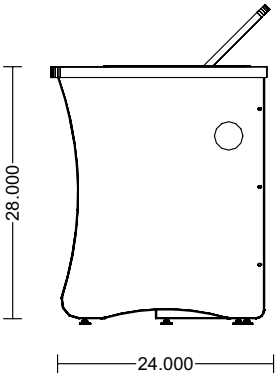


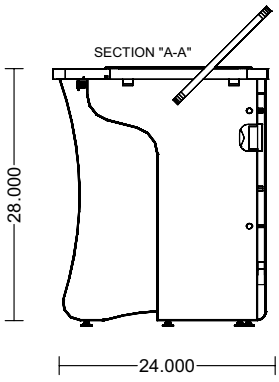






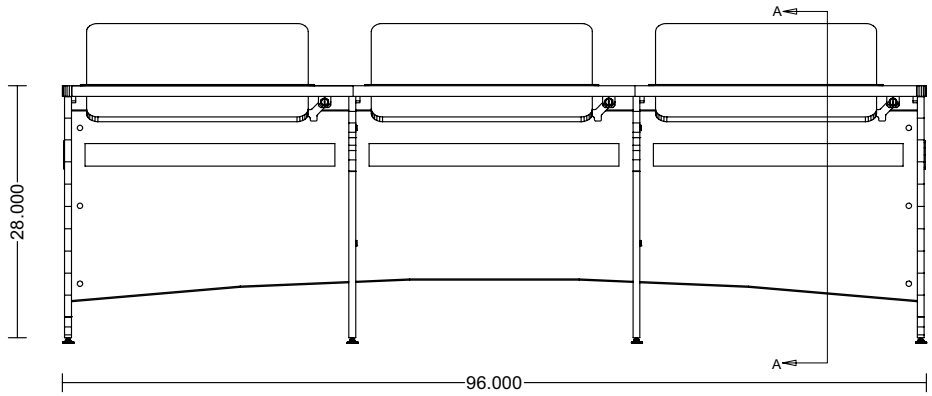


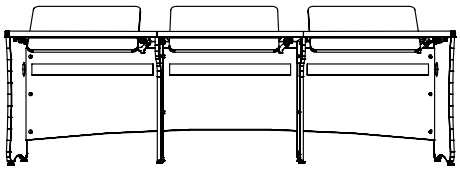


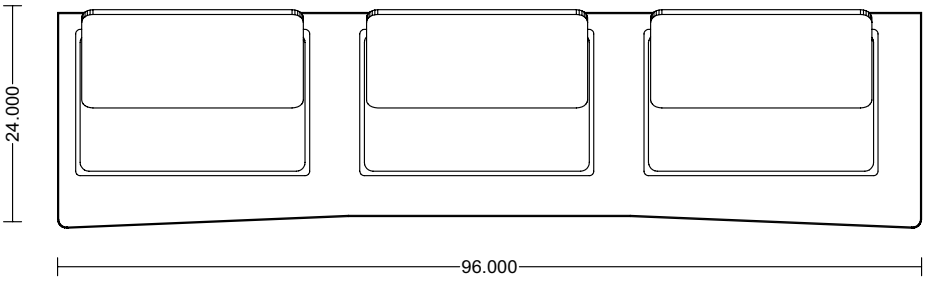


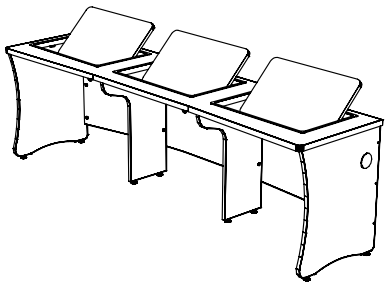
TNP-962428-L23

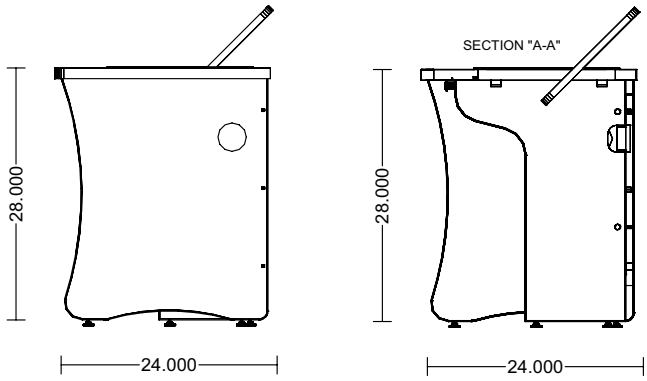
This production drawing describes the parts assembled in seven views.

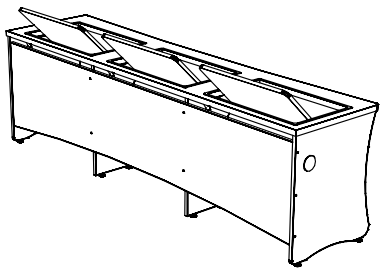












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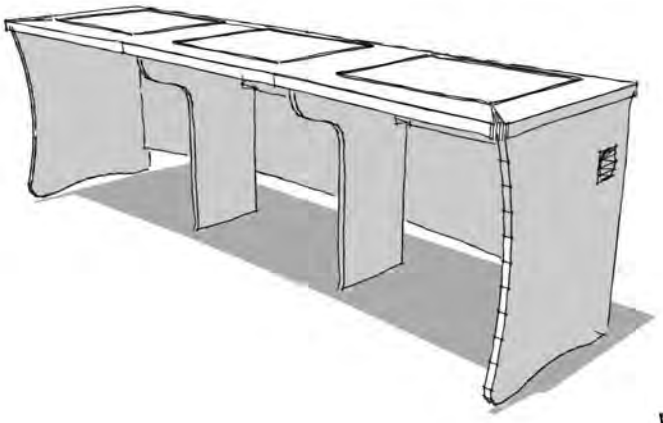
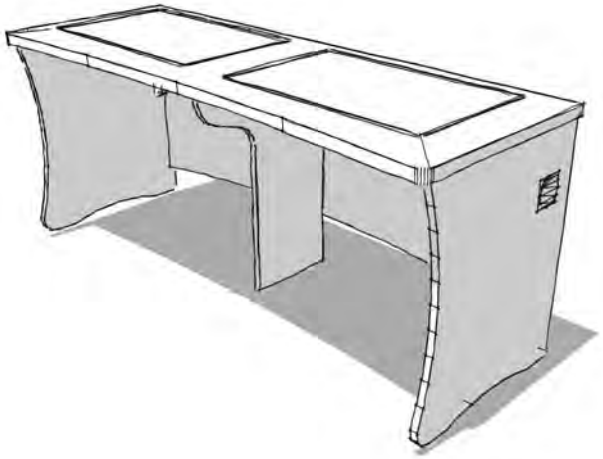


Single, double and triple laptop desks with flipIT® Laptop Safe.



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