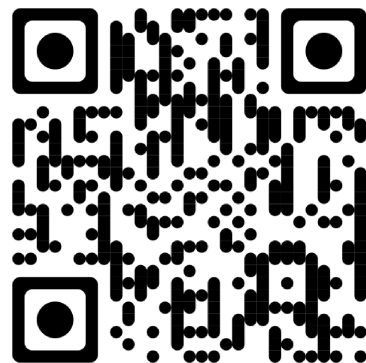


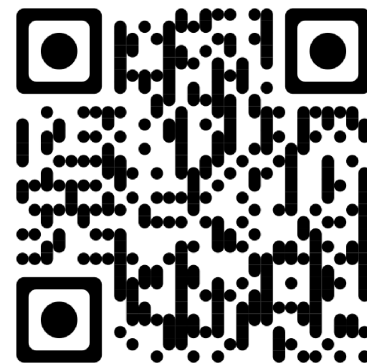
MURO

ASSEMBLY & INSTALLATION

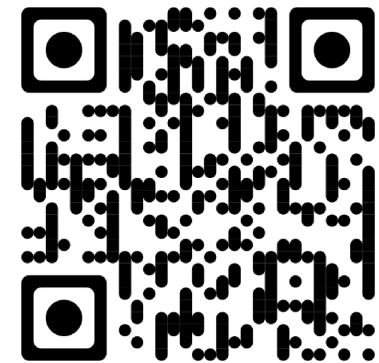
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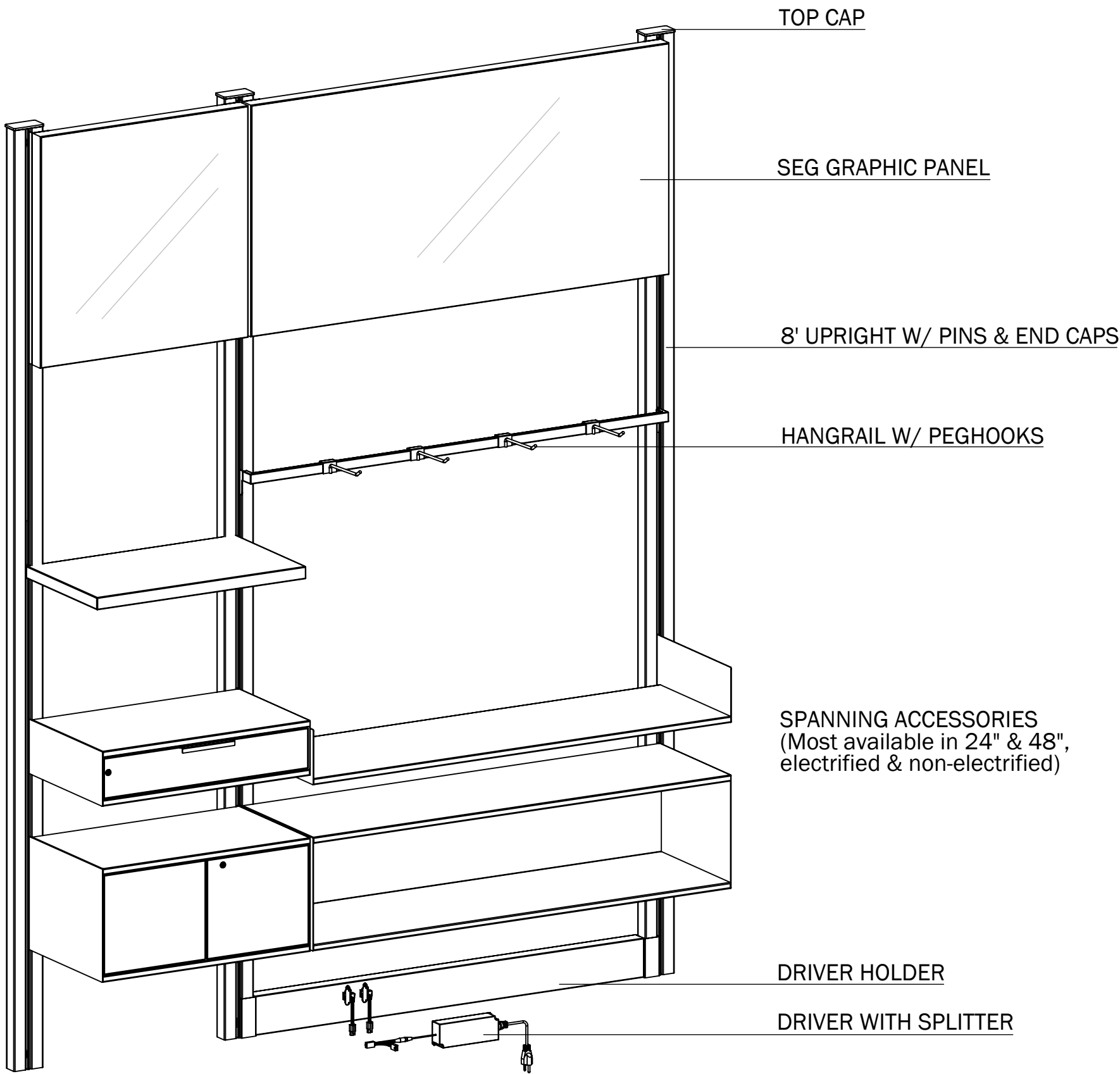
B+N Muro Website



Muro Configurator



Muro Installation Guide
(This Document)



The Muro System is a modular expandable merchandizing system utilizing uprights, shelves, cabinets and signage. Muro is to be attached to a structural wall, or mounted from hard floor to hard ceiling. Using an interconnected low voltage power system, all Muro accessories can be illuminated. Proper planning for weight bearing structure and electrical outlets is critical for a successful installation.

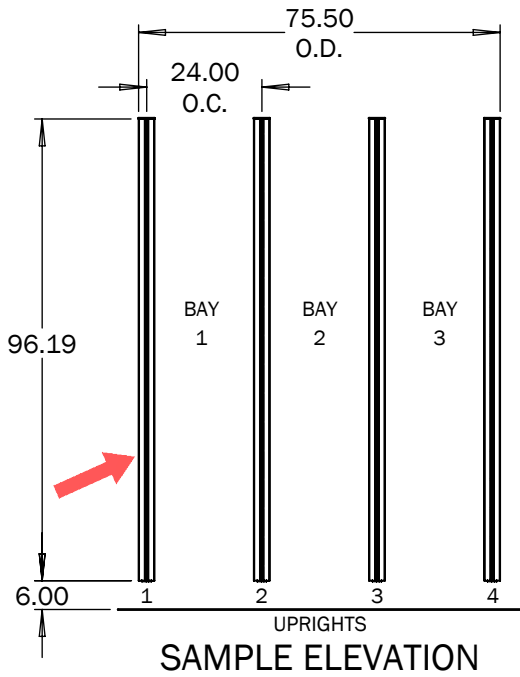
PROVIDED:
(3) Assembly Jigs
(2) 5/32 Allen keys

NOT PROVIDED:
- Hardware to attach to wall (#10 pan head screws for attaching uprights to wall).
- Cord managment materials like double-stick tape, zip ties, velcro and other material.

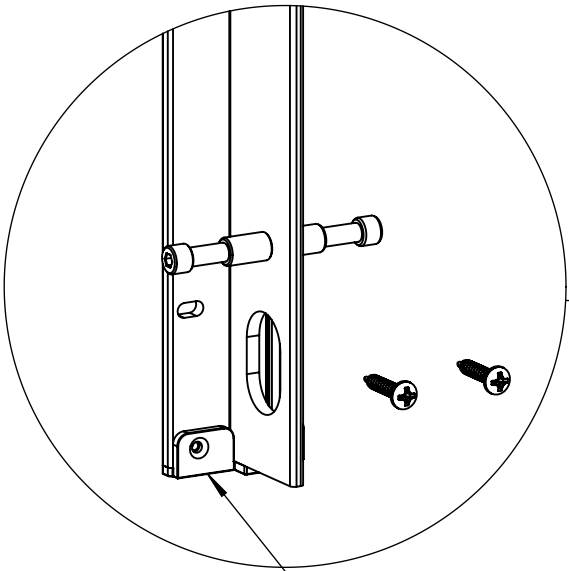
RECOMMENDED TOOLS:
- Hand Drill + necessary drill and driver bits
- Levels
- Tape Measure
- Ladder

OPTIONAL USEFUL TOOLS:
- String line
- Laser level

SAFETY INSTRUCTIONS:
• Must be attached to a structurally sound wall; hollow drywall/anchors is not acceptable.
• For dry locations only.
• Use only with listed Class 2 driver.

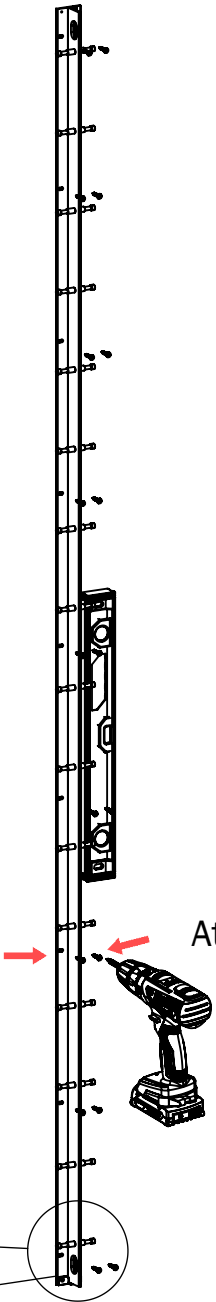


Step 1:
Position Upright
Proper Upright Position
Plastic End Cap At Bottom



Plastic End Cap

WALL



Step 2:
Attach Upright

6.00

FLOOR

BEFORE YOU BEGIN, WALL PREPARATION

The wall intended for the Muro uprights must be plumb, straight, and flat. Any deviation will result in the Muro system being out of true and will affect the illumination system. Since the Muro uprights attach directly to the wall, and are expected to hold substantial weight, the attachment method is critical. B+N requires uprights to be directly mounted to a structural surface. This typically consists of continuous 1/2 thick plywood sheathing installed behind the sheetrock surface. Other methods are the responsibility of the installer.

Also, electrical needs must be planned out before installation. B+N generally recommends one receptacle for every 2 bays on the elevation. Outlet receptacles can be placed on the walls in inconspicuous locations dependent on the elevation. They also can be located on the floor, ceiling, hidden in drop ceilings, or even custom boxed-in plinths. The architect and installer should determine the best methods before installation begins.

Determine the overall width of the elevation. This can be calculated by adding the on-center dimension of the bays plus 3-1/2". For example this sample three bay elevation is: 24"+24"+24"+3-1/2"= 75-1/2" overall width dim.

Use these numbers to determine where to install the first upright.

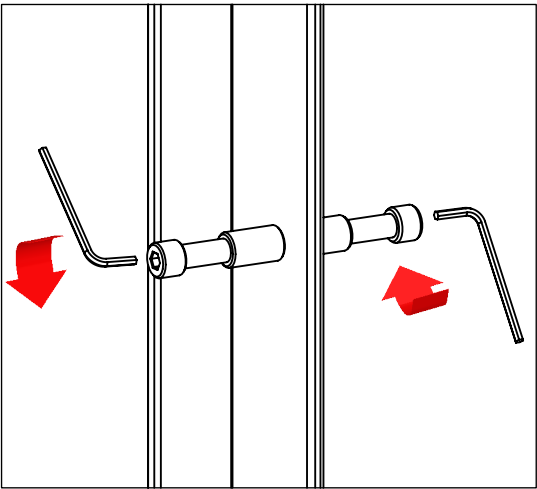
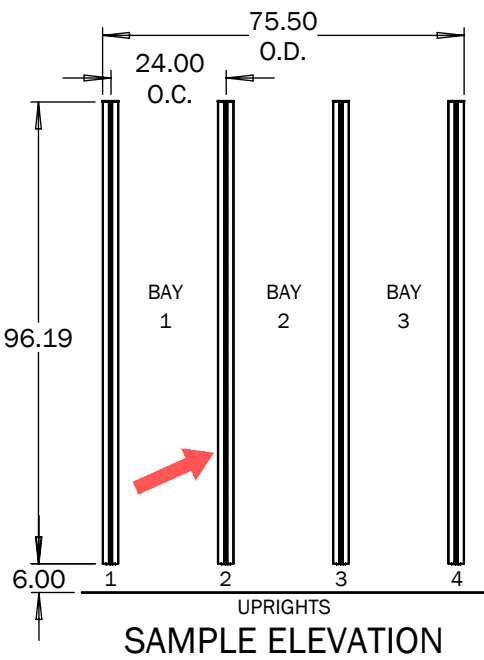
STEP 1: Determine where the first leftmost upright is to be positioned and hold it up against the wall. B+N recommends the upright is lifted 6" from the floor.

Note: The proper orientation of the upright is with the plastic end cap at the bottom. (See Step 1 Detail)

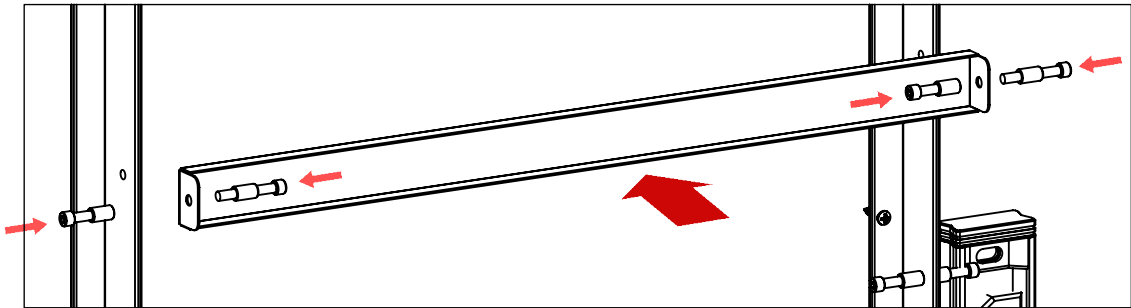
STEP 2: Using a level, manipulate the upright vertically and using #10 button head wood screws (not included) screw the upright the wall. The holes in the upright are slotted allowing for some adjustability.

STEP 3: Before fully seating screws, verify the upright is vertically level and not bowed. Ensure that all wall attachment screws fasten into internal blocking. Failure to do so will cause the system to fail under load.

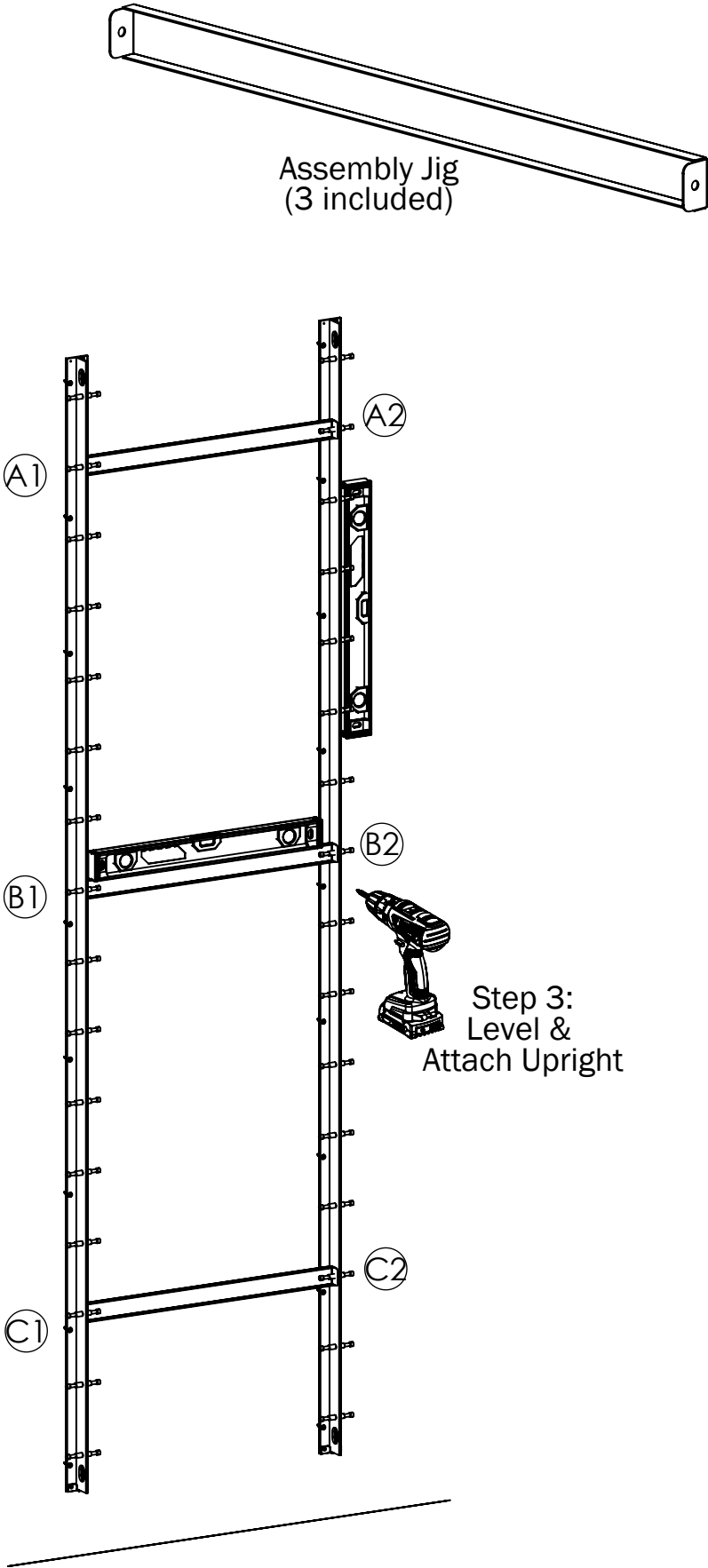
Proceed to the next page.



Step 1: Remove Pins



Step 2: Install the Jig



USING ASSEMBLY JIGS

GENERAL SCOPE: To insure the uprights are installed at the proper distance apart, B+N provides Assembly Jigs. The jigs are temporarily installed between uprights by removing pins from the uprights, and attaching the jigs inbetween. The jigs are designed to create a perfect 24" or 48" on-center installation; necessary to insure the Muro System functions properly.

PROVIDED:
3 Spacing Jigs
2 5/32" Allen Keys

STEP 1: After installing the first upright, gather the three included Assembly Jigs. Select pins on the installed upright near the top, middle, and bottom (Labeled A1, B1, and C1) and remove them using two allen keys. Remove the corresponding pins on the adjacent upright in a similar fashion (Labeled A2, B2, and C2).

STEP 2: Slide one of the Assembly Jigs in between the first upright and the next upright. This is easiest if one person holds the upright against the wall while another installs the jig. Attach one half of the pin set through one side of the jig, through the upright, and into the matching pin. Tighten the pin set. Do this for each end of the jig. Repeat the process for the remaining two jigs. The next upright is properly spaced to 24" (or 48") on-center.

Accurate placement of the uprights is extremely critical to the function of the illumination system, Upright installation requires an accuracy of 1/16 of an inch. Uprights outside of this tolerance may not function as intended.

STEP 3: Using levels on the jigs and upright as needed, screw the next upright into the furring strip and into position where marked.

STEP 4: After removing the pins holding the jigs in place, remove the jigs. Some force may be required to pull the jigs out of position. Replace the three sets of pins on the first upright, but leave the three sets on the second upright off in preparation for installing the next jig and upright.

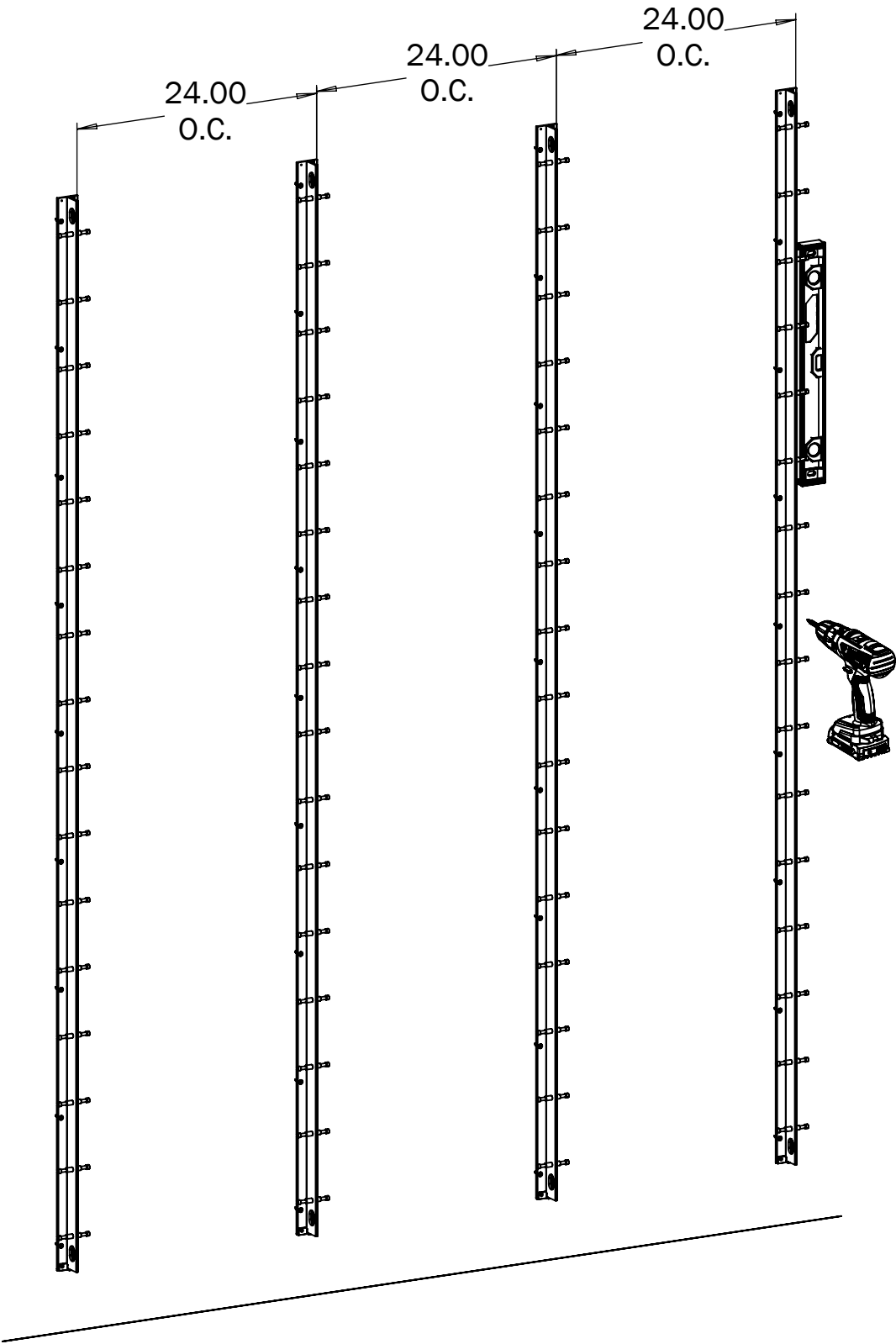
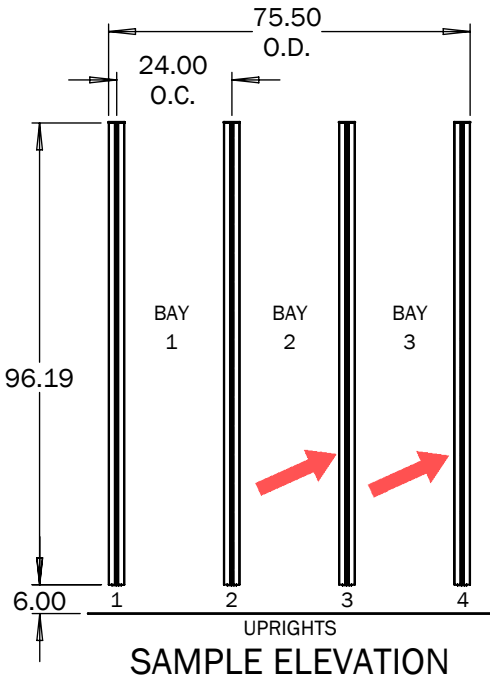
STEP 5: Install the remaining uprights following the steps above.

FINISHING UP

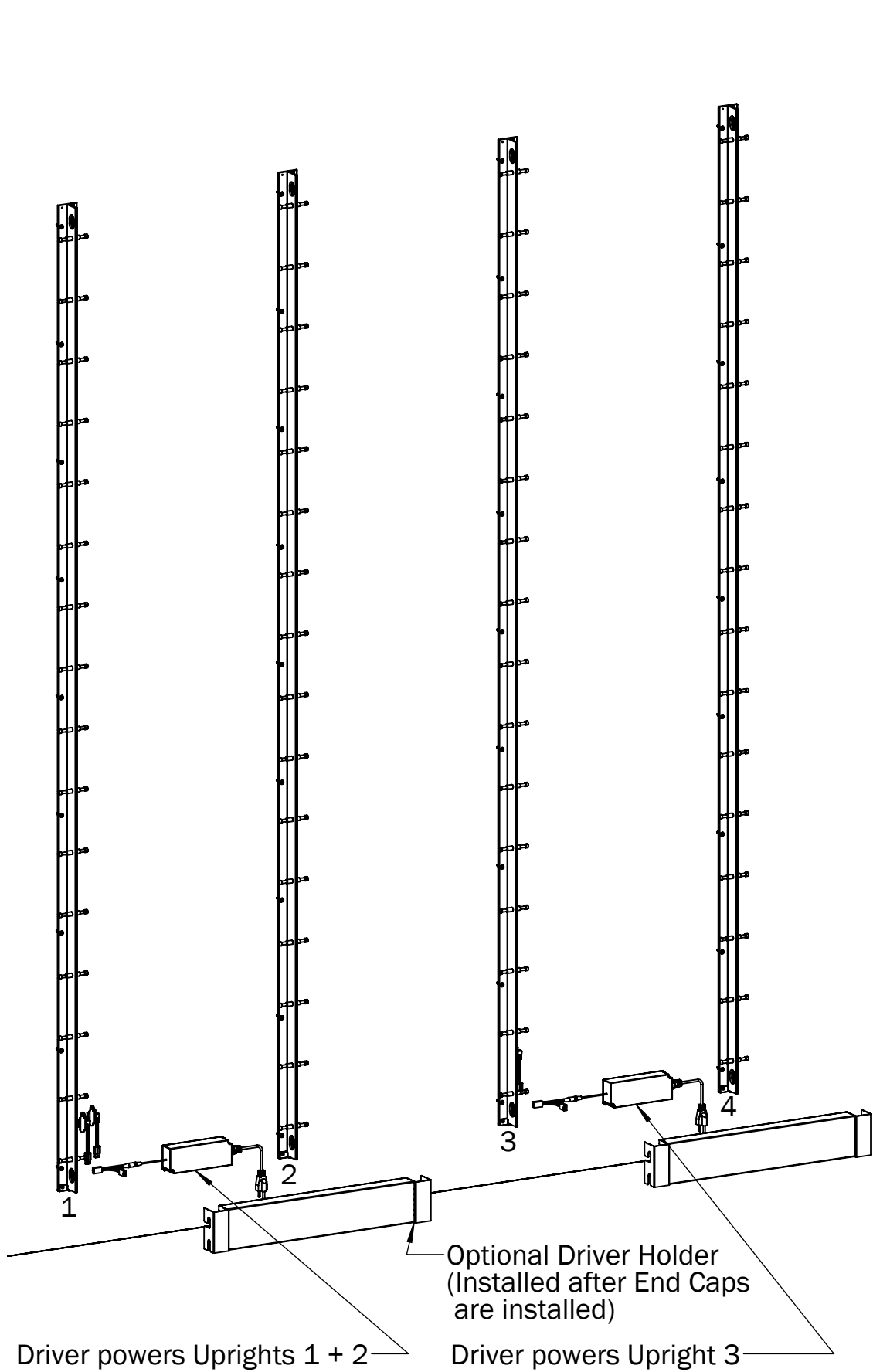
Repeat the steps from the previous page to install all remaining uprights. Ensure that all wall attachment screws fasten into internal blocking. Failure to do so will cause the system to fail under load.

...If the elevation is electrified, continue with the next page "Connecting Power."

...If the elevation is *not* electrified, please proceed to "Adding End Caps."



Step 1: Power Connection Locations

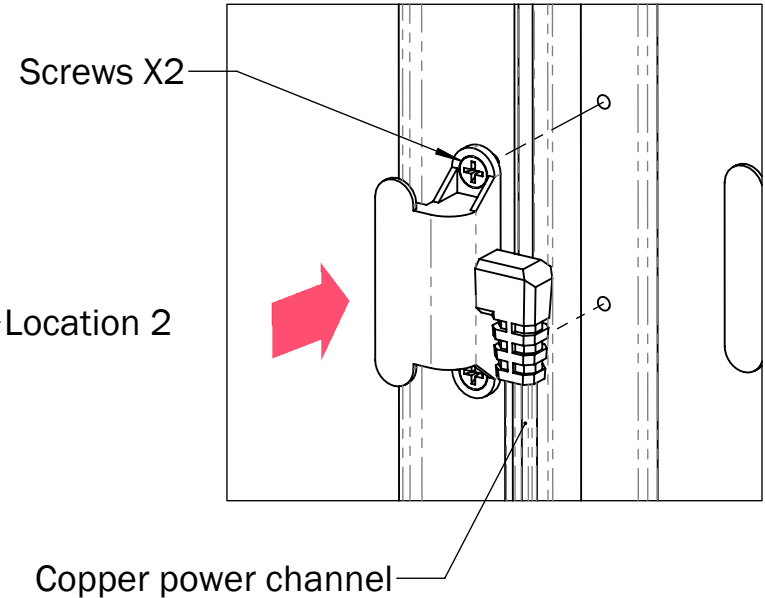


Location 1

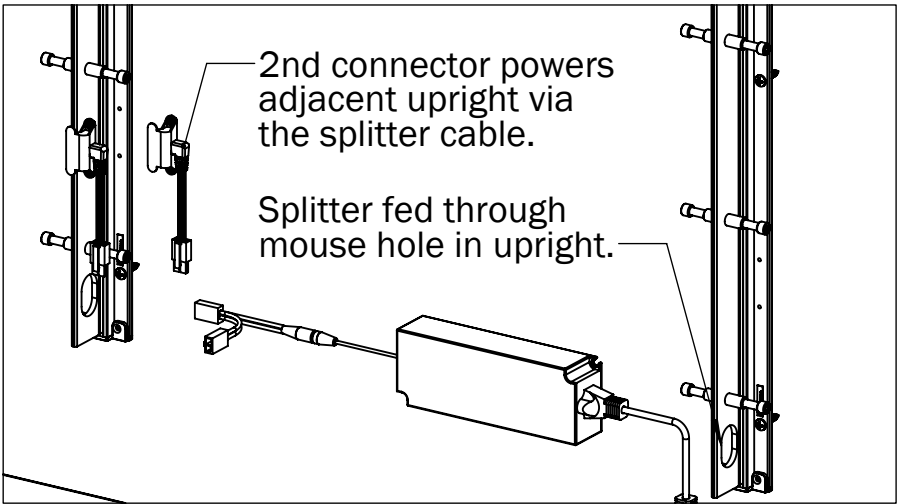
Location 2

Location 3

Step 2: Power Connector



Step 3: Splitter



General Scope: The powering of the uprights is accomplished by using a driver connected to a power connector, which in turn is connected to the upright. The power connector makes contact with a copper channel that runs the length of the upright. The power needs of the setup will determine how many drivers are necessary to power the accessories. This example elevation will use the most typical setup of one driver powering two uprights via a splitter.

STEP 1: There are 3 pre-determined locations for attaching the power connector along the upright (see Step 1 image). Choose the one that best fits the needs of the setup, often being based on location of the driver and location of the wall outlet.

NOTE 1: The wires of the power connector will be concealed by the End Caps. (See Adding End Caps)

NOTE 1: Drivers can be inconspicuously concealed under accessories like shelves and cabinets or behind SEG panels.

NOTE 3: Drivers (and wiring) can ALSO be concealed in the optional Driver Holders. Driver Holders are attached after the End Caps are added, but placement can be determine now, and temporarily installed.

STEP 2: Position the power connector into the copper channel on the first upright, and screw the connector into position.

STEP 3: Connect a power connector to the next upright. Feed the wire through a mouse hole and into the splitter coming off the driver. Create a tidy wiring layout with good cable management.

STEP 4: Because this example setup uses 3 bays (4 uprights), there *IS* a need for one more driver, which only powers the third upright. There is *NO* need for a splitter on this driver. Attach the driver and power connector as done previously in Steps 2 and 3.

STEP 5: Connect the driver power cords to the wall outlets. The setup is now electrified and ready for electrified accessories.

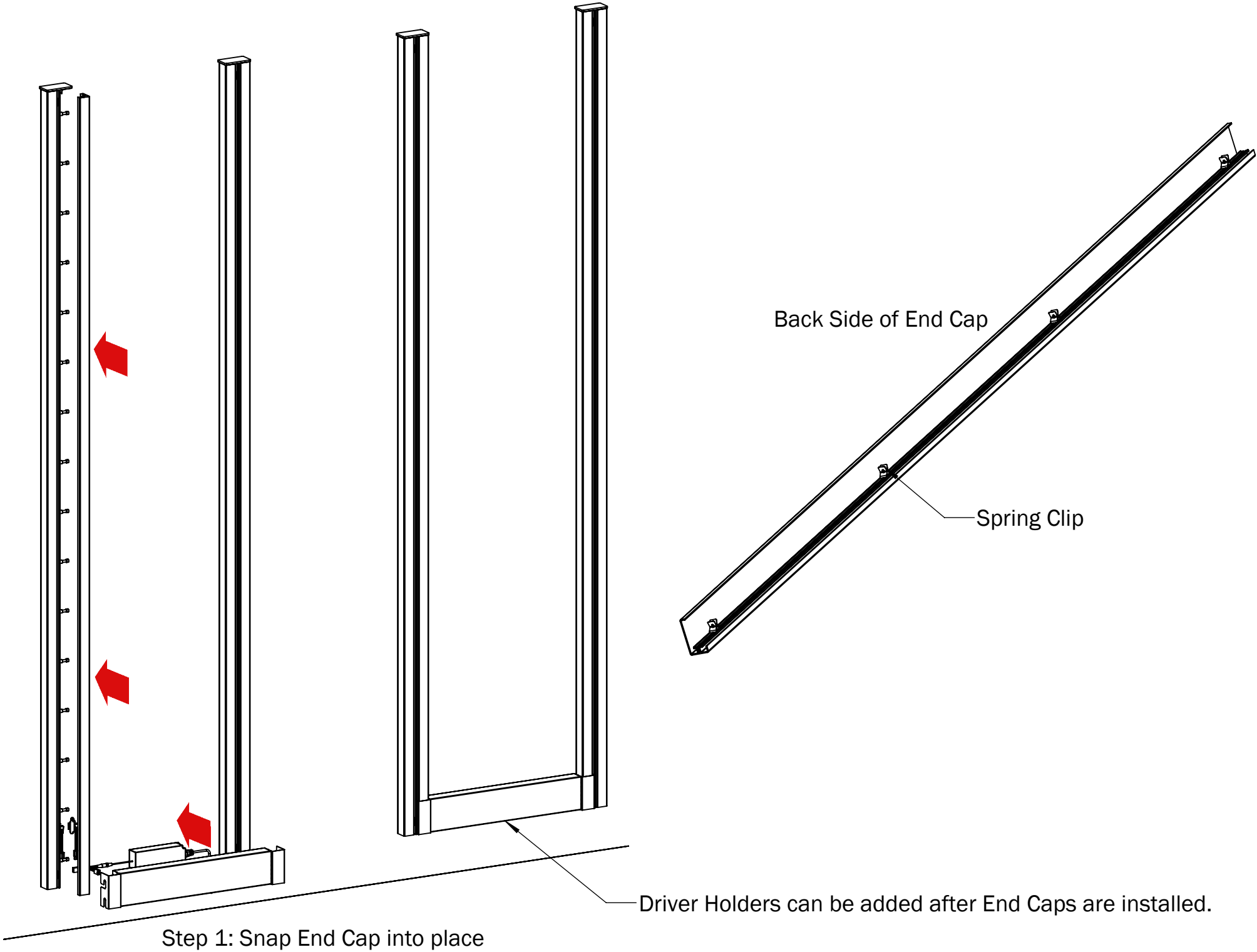
GENERAL SCOPE: End Caps cleanly finish the Muro elevation, covering the pins and Power Connector cables. 8' End Caps are symmetrical and can be used on either the left or right side of the upright.

RECOMMENDED TOOLS:
No tools needed

STEP 1: Starting on the left side, orient the End Cap properly so that the spring clips face the upright pins. Simply push the spring clips on to the pins and the End Cap will snap into position.

STEP 2: For the right side, repeat Step 1.

OPTIONAL: If Driver Holders are used, they can now be attached in place, installed over the End Caps and attaching the pins.



GENERAL SCOPE: Muro has a wide range of shelving and cabinet accessories, available in 24" and 48" wide, and many of those also come as electrified lit versions. Adding accessories is made effortless, utilizing the j-hook feature, and hanging from the upright pins. Install locations are vertically every 6" along the upright.

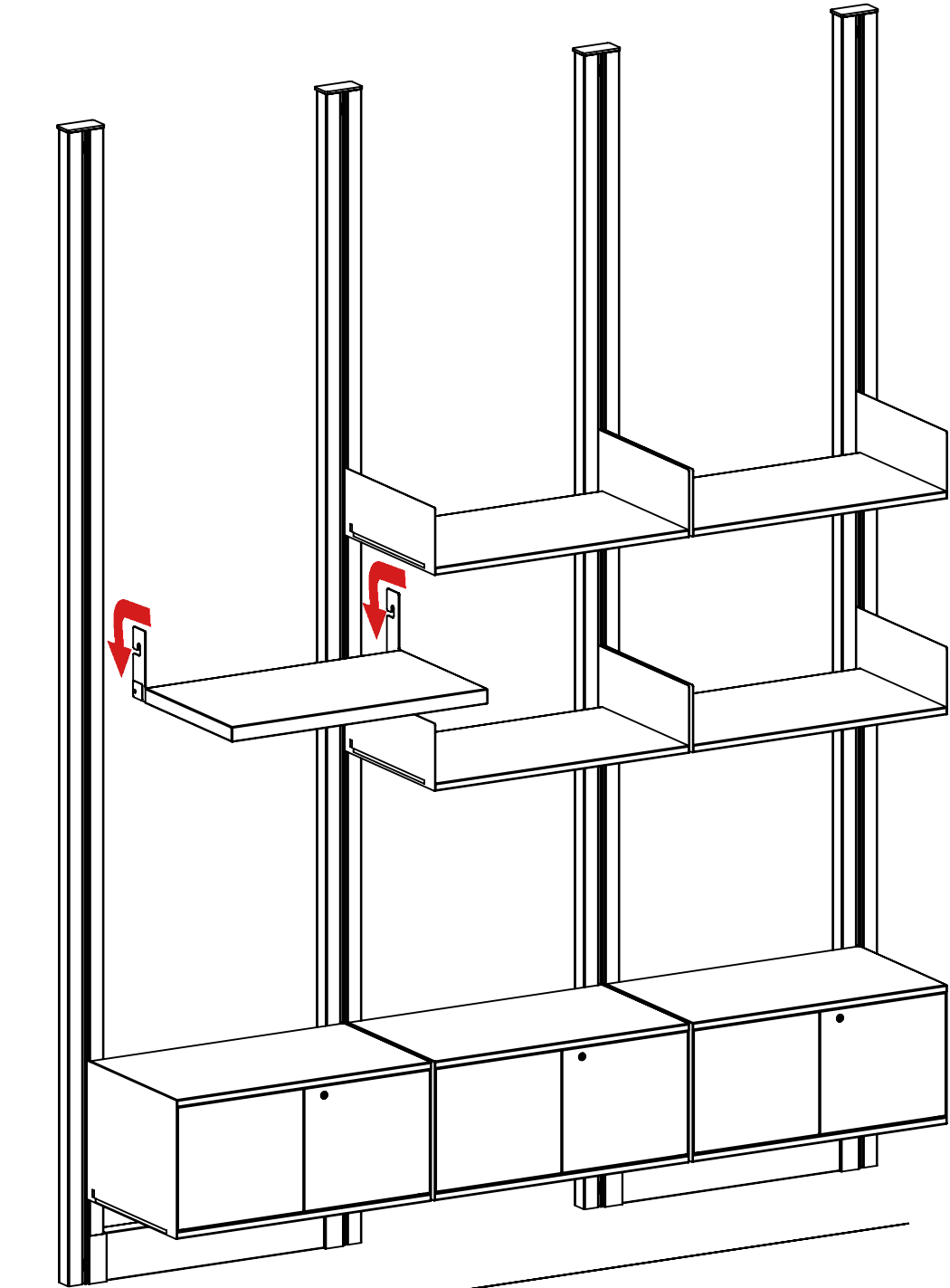
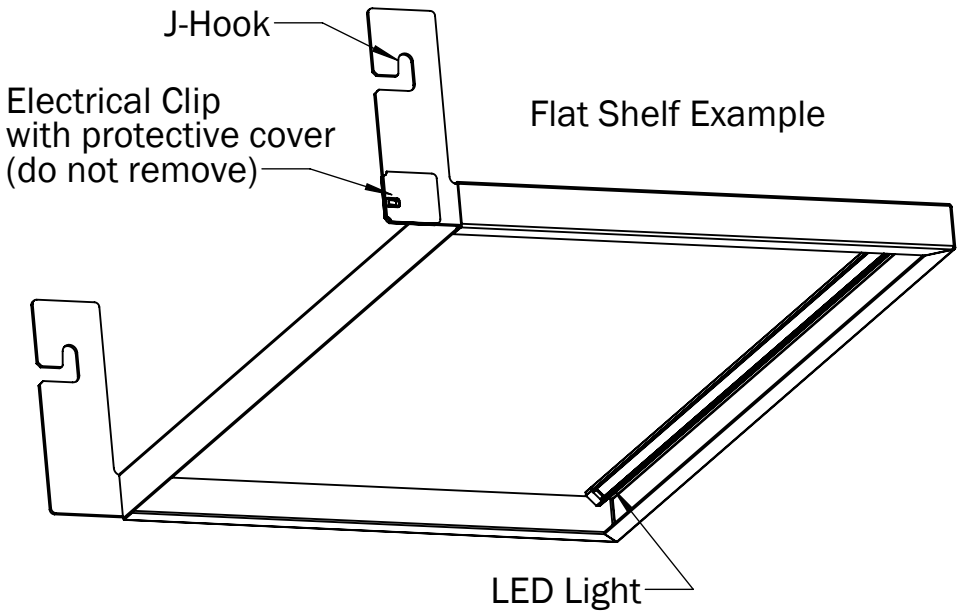
RECOMMENDED TOOLS:
No tools needed

STEP 1: Determine the location of the accessory. Pin locations are visible in the gap between the panels and front visible edge of the upright.

STEP 2: Position the accessory so that the j-hook on the rear of the accessory lines up with the desired pin. Slide the accessory into the gap, with the slots of the j-hooks engaging the pins. Push the accessory down to lock it into place. If the accessory is electrified, the LED light will automatically turn on.

Note: Some accessories, like cabinets, use multiple j-hooks to support the accessory. They are installed in a similar manner.

CAUTION!
Accessories should locate into position smoothly without much force. If the accessory seems to not fit correctly or requires excessive force, verify that the installation is correct and that the accessory hasn't been damaged. Forcing the accessory into place *WILL* damage the sheet metal and electrical connector clip.



Step 2: Lock accessory into position

**Thank you for choosing
the MURO SYSTEM!**



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