

Aloft 120 Installation

READ ALL INSTRUCTIONS BEFORE USING

- For commercial use only.
- Warning: Risk of Injury – Maximum load 275 lbs. 2 leg, 325 lbs. 3 leg
- Electrical rating: 120V, 60Hz, 16 AMP
- No more than 12 furnishings can be connected on one branch circuit.

IMPORTANT SAFETY INSTRUCTIONS

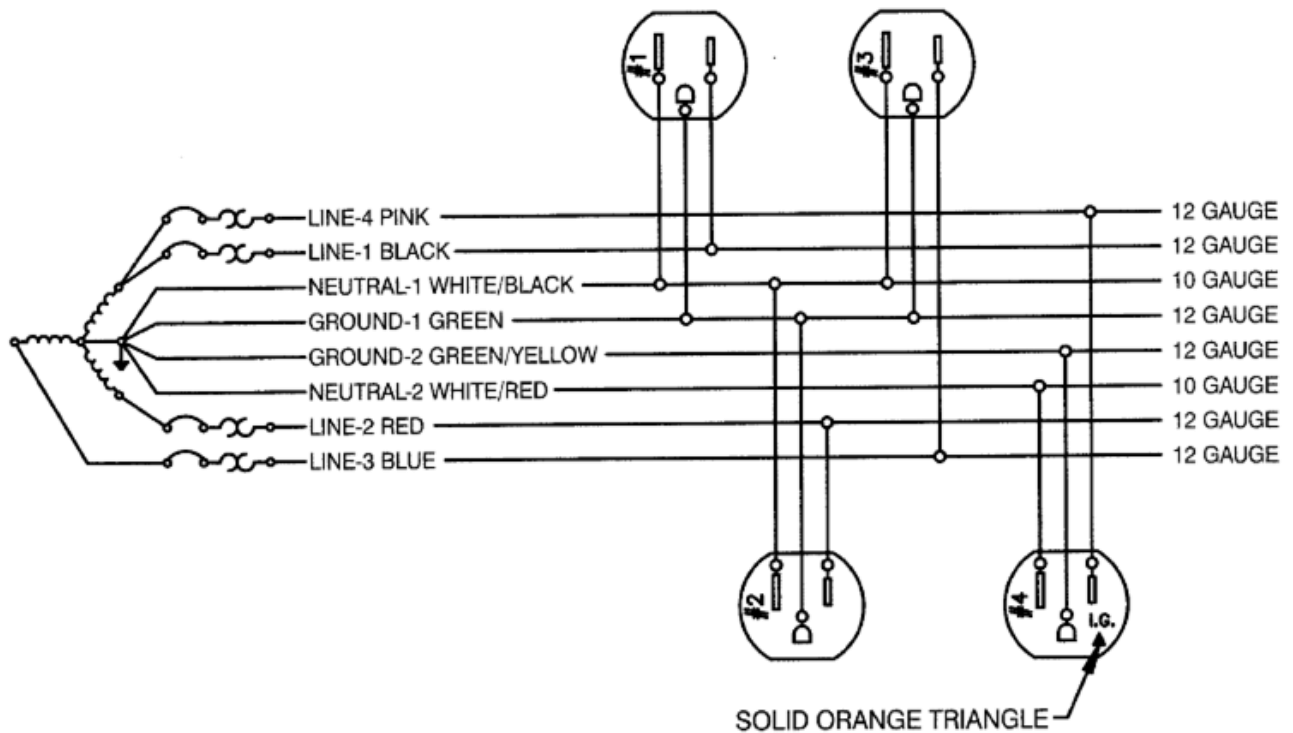
DANGER – To reduce risk of electric shock:

- Always unplug furnishing from the electrical outlet before cleaning.

WARNING – To reduce the risk of burns, fire, electric shock, or injury to persons:

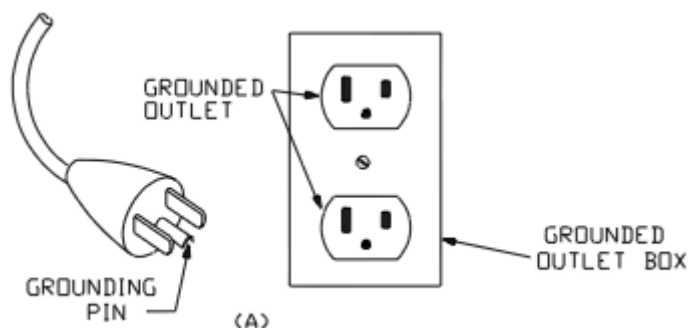
- Unplug from outlet before putting on or taking off parts.
- Close supervision is necessary when this furnishing is used by, or near children, invalids or disabled persons.
- Use this furnishing only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.
- Never operate this furnishing if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water.
- Keep the cord away from heated surfaces.
- Never operate the furnishing with the air openings blocked. Keep the air openings free of lint, hair and the like.
- Do not use outdoors.
- To disconnect, turn all controls to the off position, then remove plug from outlet.
- Connect to a properly grounded outlet only. See grounding instructions.
- For loading always put heavier items at the bottom and not near the top in order to help prevent the possibility of the furnishing tipping over.

Wiring Schematic



GROUNDING INSTRUCTIONS

This product is for use on a circuit having a nominal rating more than 120 volts and is factory-equipped with specific electric plug to permit connection to a proper electric circuit. Make sure that the product is connected to an outlet having the same configuration as the plug. No adapter should be used with this product



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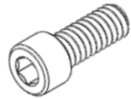
Hardware List



Flat head wood screw #9 x 7/8 long with #2 Phillips drive, silver
Used to attach surfaces and end panels



Hex cap machine screw 1/4-20 x 5/16" long with 3/16" hex drive, black
Used on leg assembly and rail assemblies



Hex cap machine screw 1/4-20 x 5/8" long with 3/16" hex drive, black
Used on spine beam mounts and cable tray



Hex set screw 3/8-16 x 1/2" long with 3/16" hex drive, black
Used on rail mount and spine beam mounts



Hex set screw 1/4-28 x 1/4" long with 1/8" hex drive, silver
Used on spine screens



Pan head machine screw 10-24 x 5/8" long thread cutting tip with #2 Phillips drive, silver. Used to attach outlets.



Pan head machine screw 8-32 x 3/8" long thread rolling tip with #2 Phillips drive, silver. Used to assemble electrical covers.



Pan head machine screw 10-32 x 1/2" long with #2 Phillips drive, silver.
Used on spine screens to attach base support brackets.



Flat head machine screw 10-32 x 1/2" long with #2 Phillips drive, silver.
Used on territory screens to attach base support brackets.



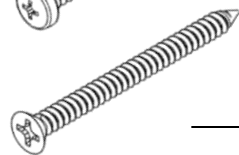
Pan head machine screw 8-32 x 1/4" long with #2 Phillips drive, silver.
Used with acorn nuts to attach powerpole.



Acorn nut 8-32 x 5/16" long, silver.
Used with 8-32 x 1/4" long screws to attach powerpole.



Pan head drill point sheet metal screw #8 x 3/8ths" long with #2 Phillips drive, silver. Used to attach Side Mount screens to hanging brackets and endcap worksurface cantilevers to legs.



Flat head sheet metal screw #8 x 2" long with #2 Phillips drive, silver. Used to mount Endcap Hutch to base.

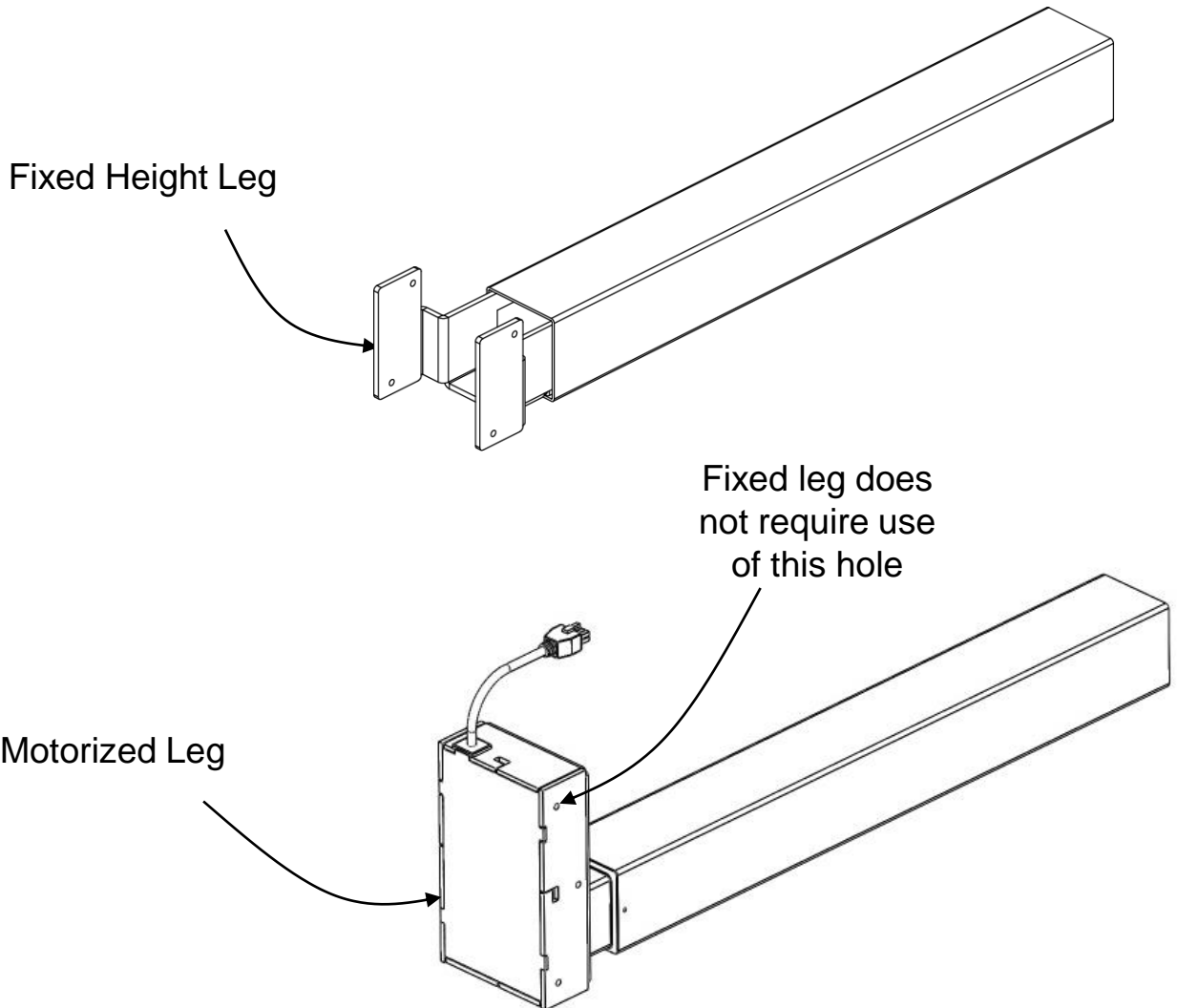


Flat head sheet metal screw #10 x 3/4" long with #2 Phillips drive, silver. Used to mount items to laminate storage cabinets.

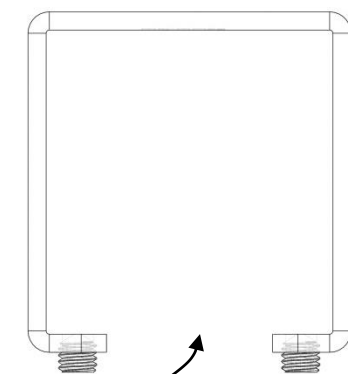
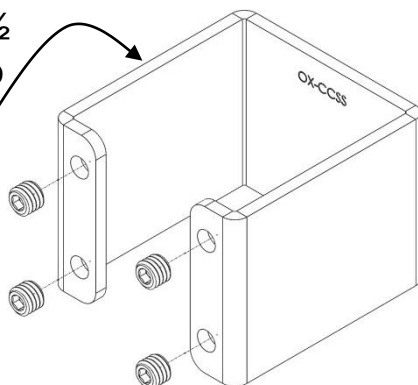
Date	Page No.	Description of change	Name

Note:

Installation instructions for Fixed Height Leg and Motorized Leg are the same. Images on the following pages are showing installation of a Motorized Leg.

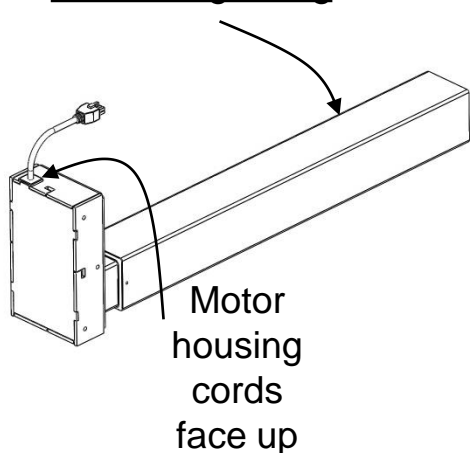


Partially insert 3/8-16 x 1/2 inch long set screws into tapped holes on Compression Collar

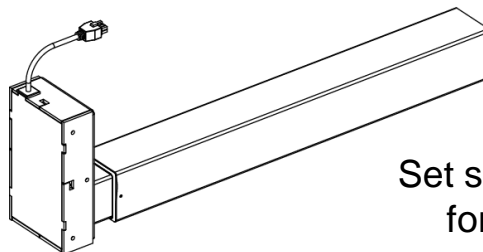
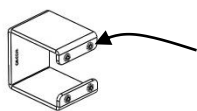


Make sure set screw tips **DO NOT** protrude past inside wall of collars.

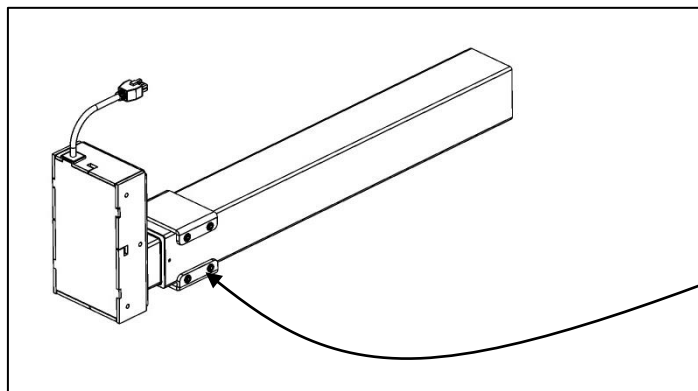
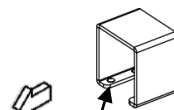
Motorized, Crank or Fixed Height Leg



Set screws face in for end legs.



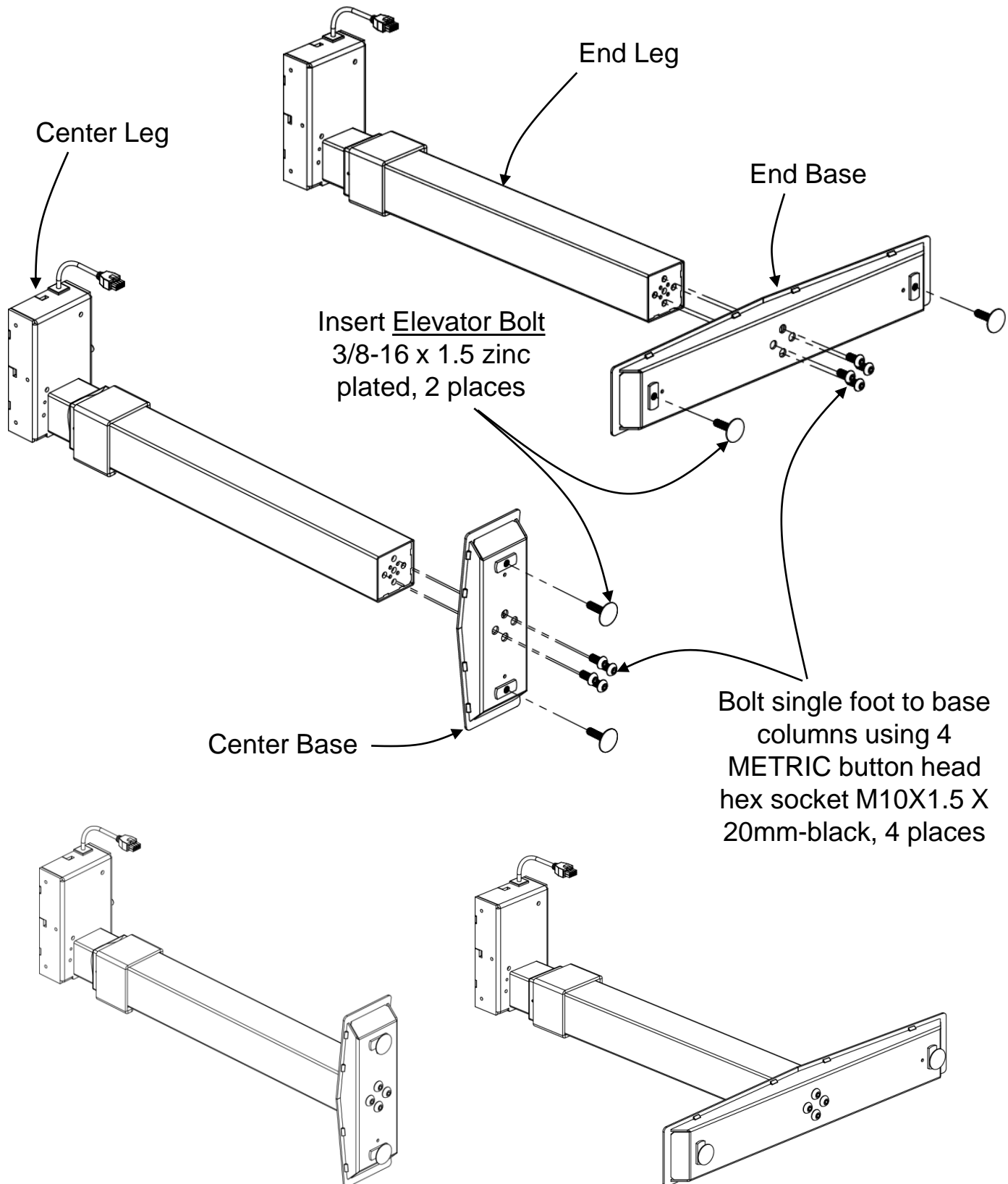
Set screws face out for center leg.



Slide compression collar over base column to top, set screws facing as shown. Be careful not to scratch base columns.

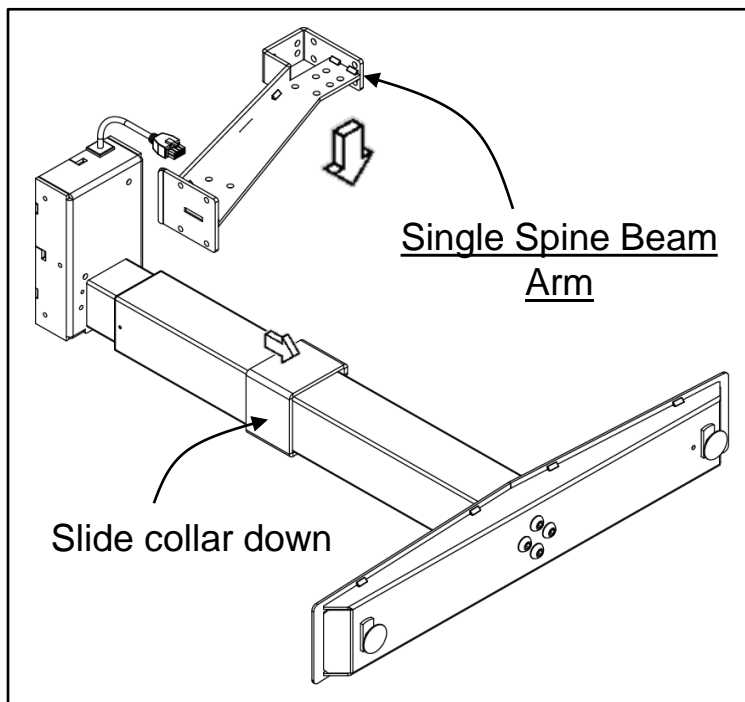
Aloft 120 Installation

Single Bench Base Assembly

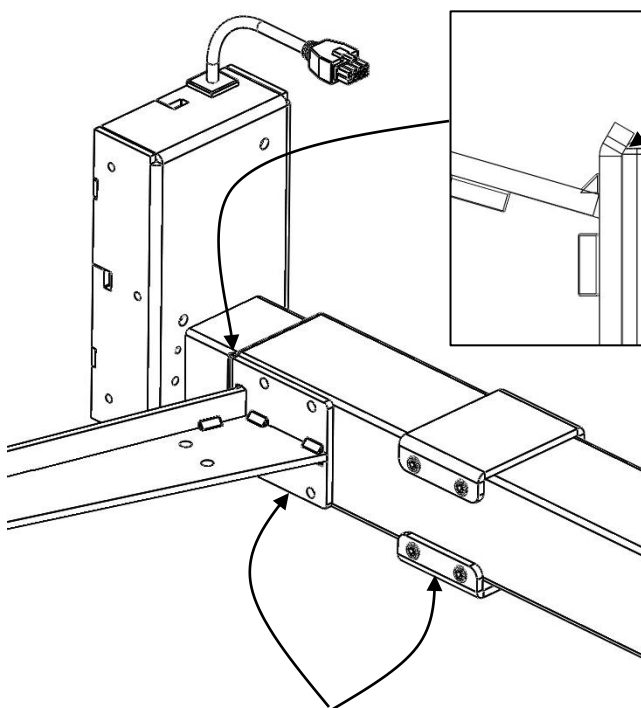
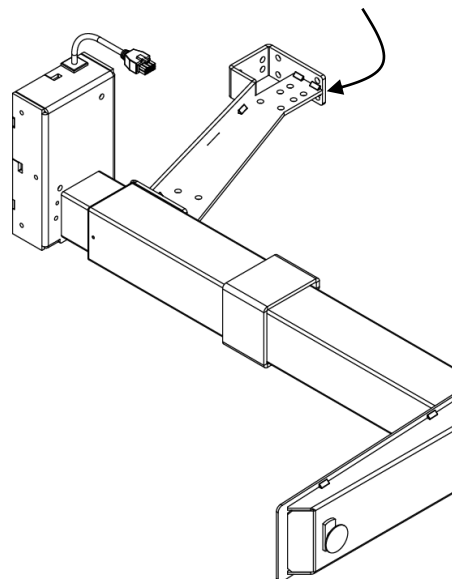


Aloft 120 Installation

Single Bench Base Assembly End Legs

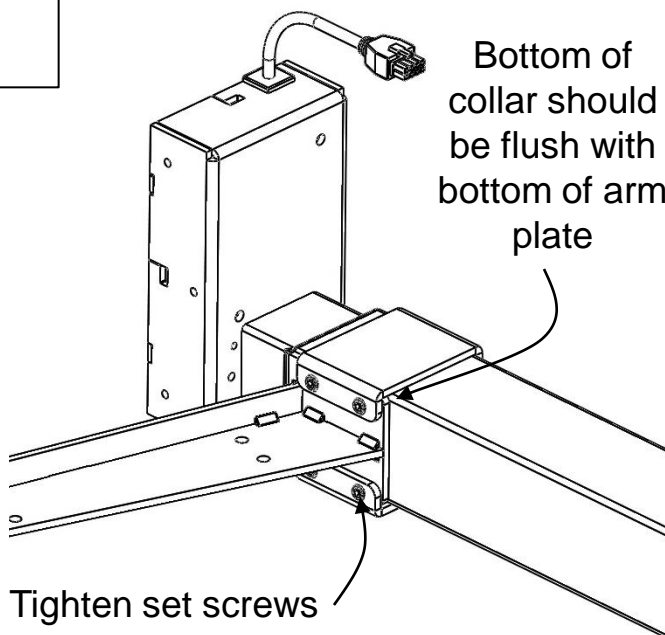


Position arm assembly
down onto column.



Be sure angled lip on
spine beam arm
assembly rests on outer
column top

Slide collar over arm
plate and align set
screws in collar with
alignment holes in
plate.

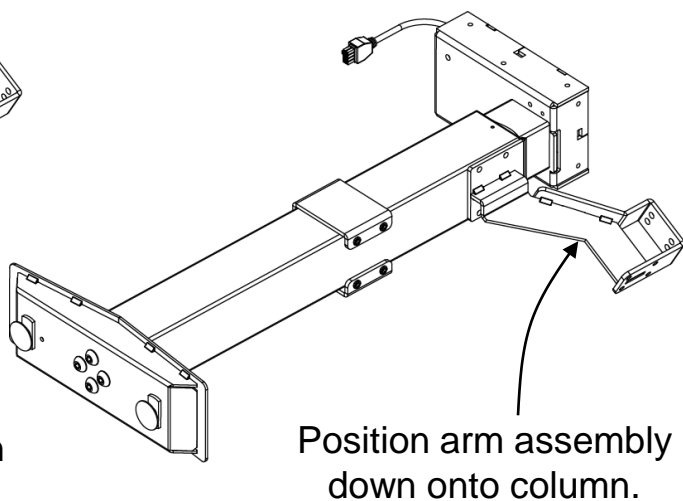
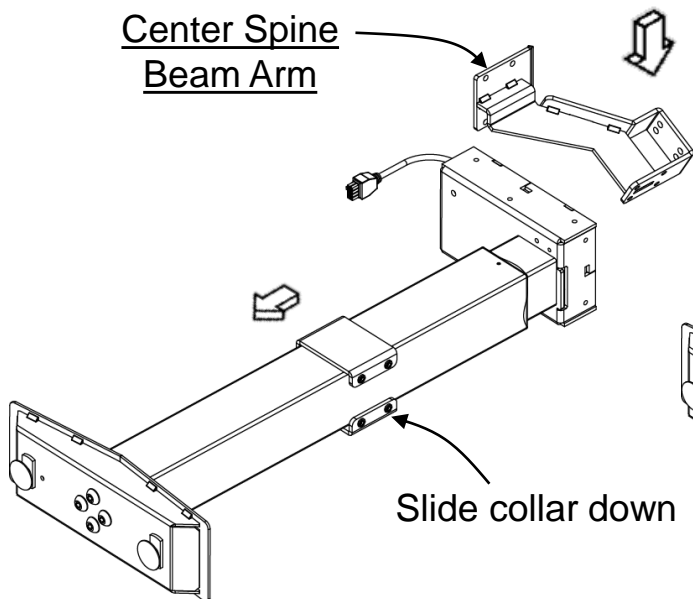


Tighten set screws
on both columns
clamping arm to
columns.

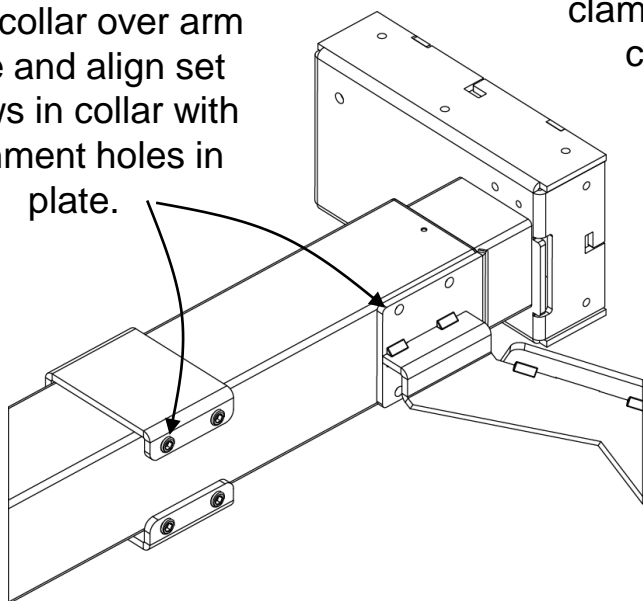
Aloft 120 Installation

Single/Double/Triple Bench Center Leg

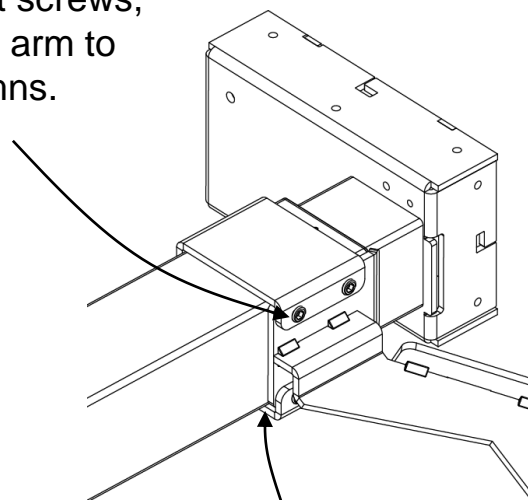
Center Spine
Beam Arm



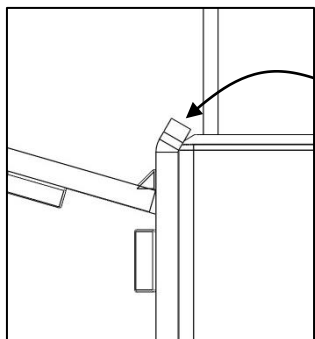
Slide collar over arm plate and align set screws in collar with alignment holes in plate.



Tighten set screws,
clamping arm to
columns.



Bottom of
collar should
be flush with
bottom of arm
plate

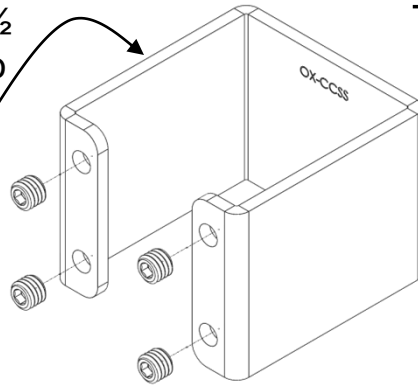


Be sure angled lip on
spine beam arm
assembly rests on outer
column top

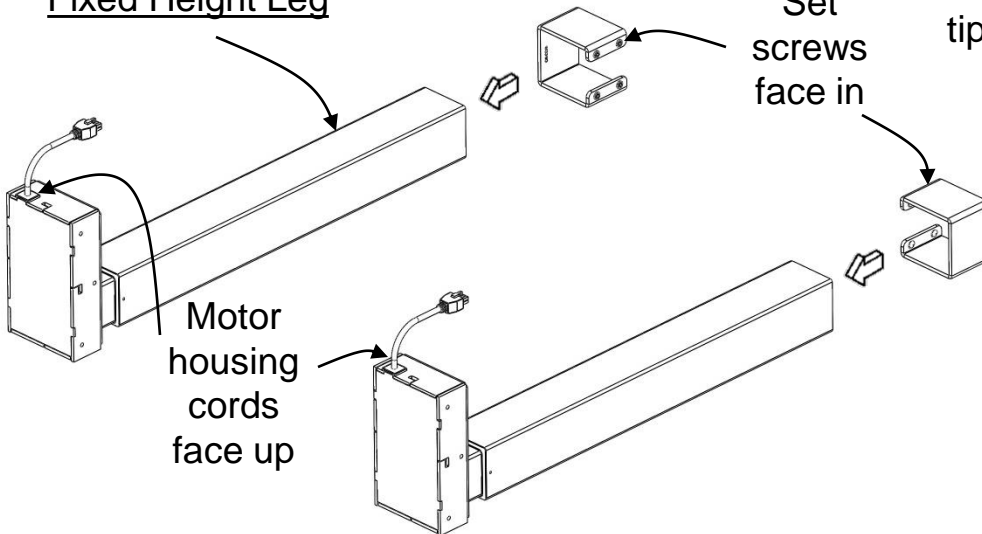
Aloft 120 Installation

Double/Triple Bench Base Assembly

Partially insert 3/8-16 x ½
inch long set screws into
tapped holes on
Compression Collar



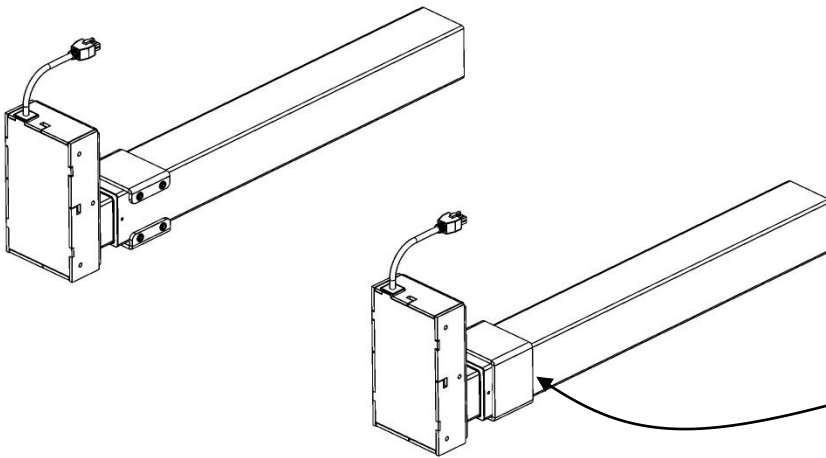
Motorized, Crank or
Fixed Height Leg



Make sure set screw
tips DO NOT protrude
past inside wall of
collars.

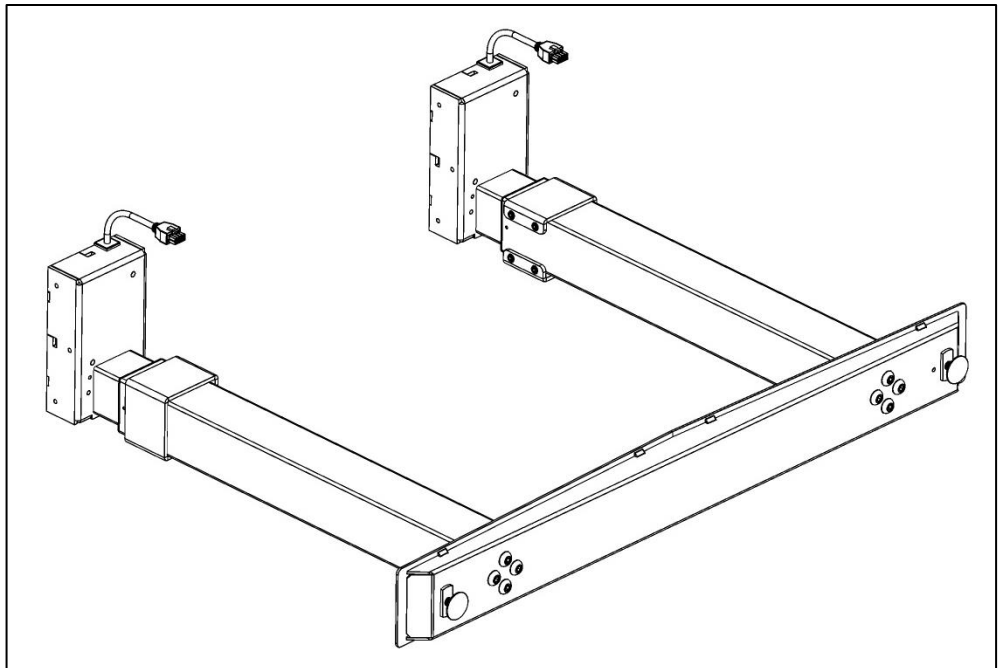
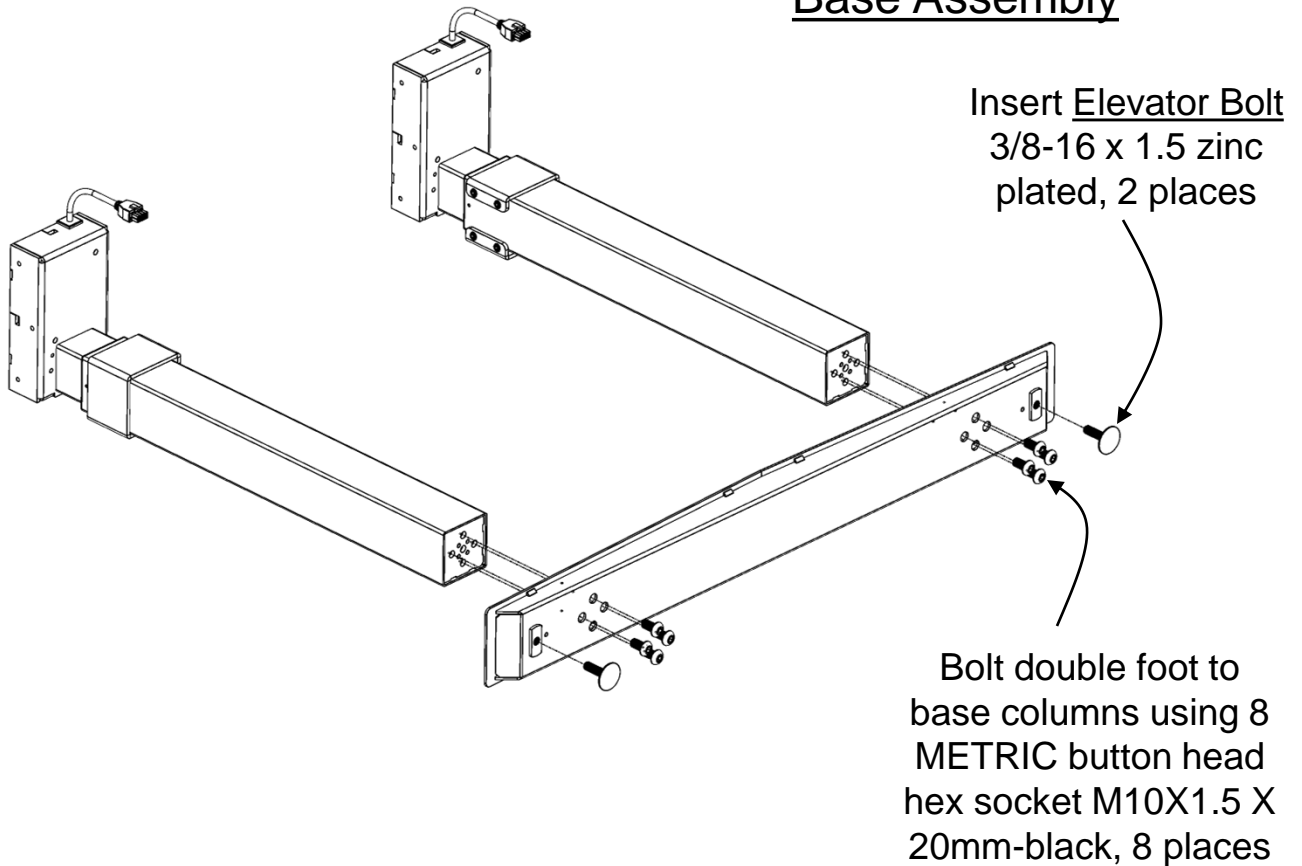


Slide compression
collars over base
columns to top, set
screws facing as
shown. Be careful not
to scratch base
columns.



Aloft 120 Installation

Double/Triple Bench Base Assembly



Aloft 120 Installation

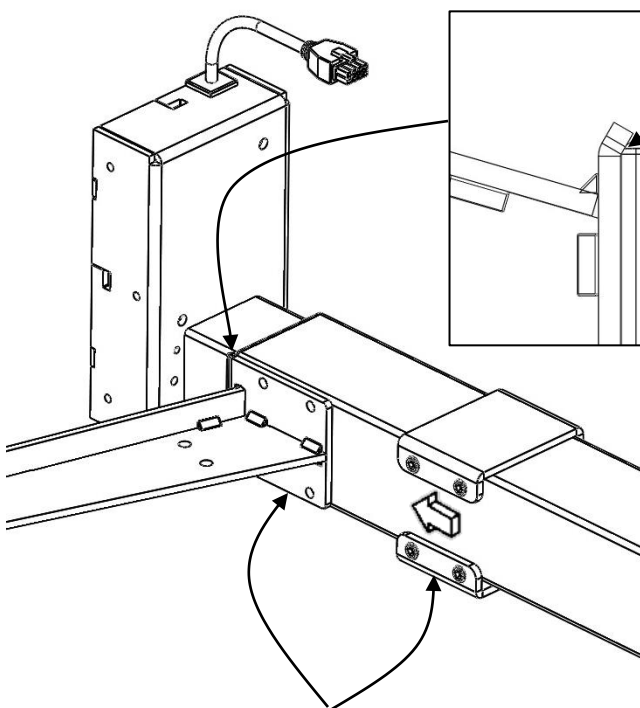
Double Spine Beam Arm

Arm

Slide collars down

Double/Triple Bench Base Assembly

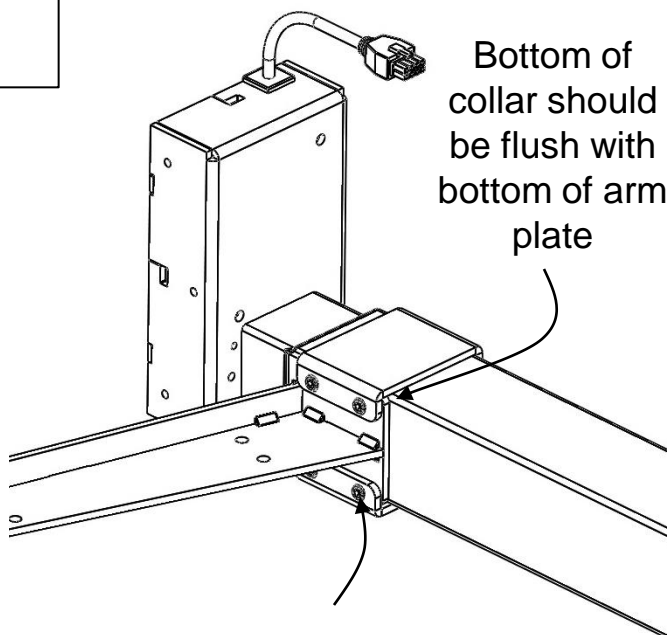
Slide arm assembly down in between columns.



Slide collar over arm plate and align set screws in collar with alignment holes in plate.



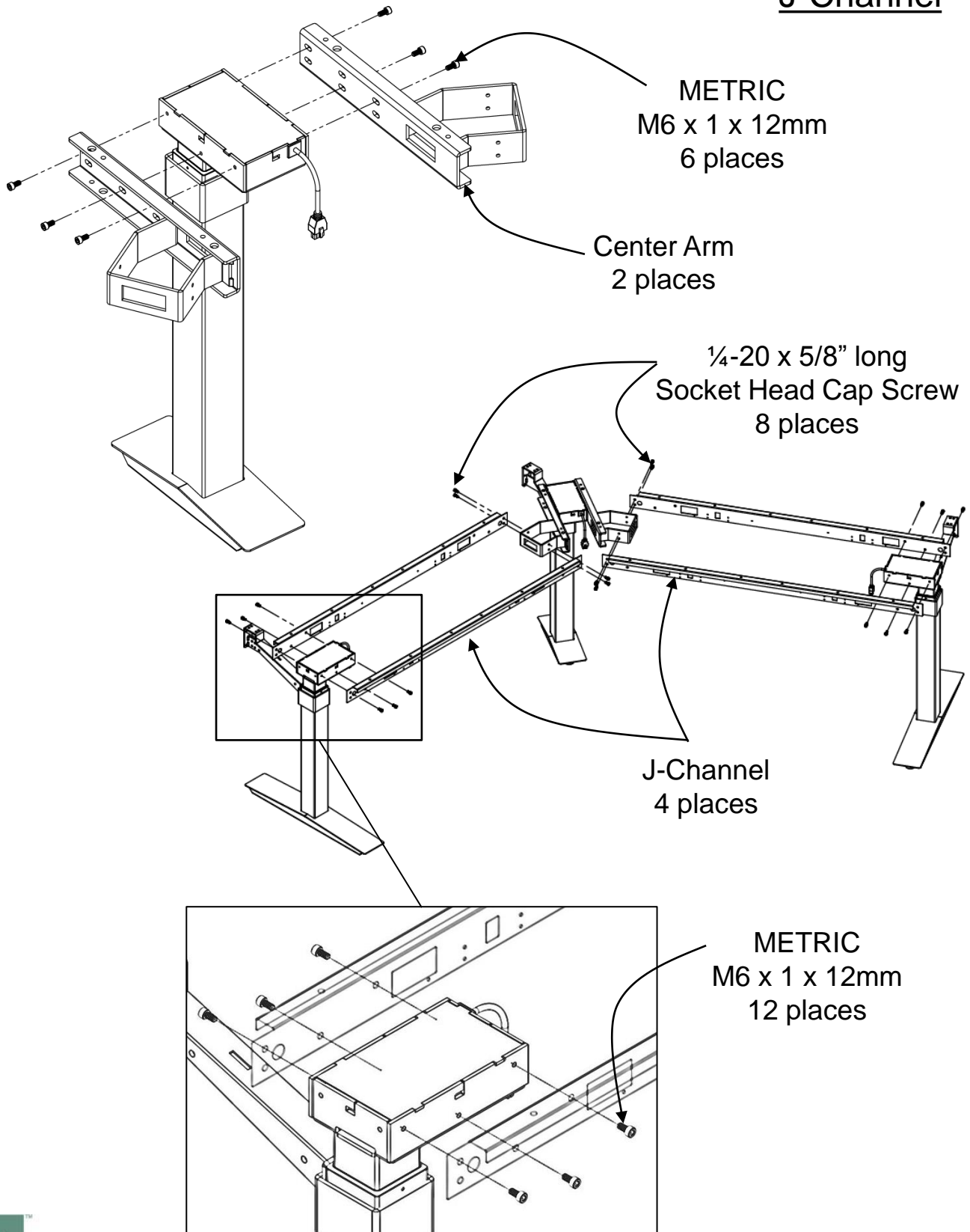
Be sure angled lip on spine beam arm assembly rests on outer column top on both columns



Bottom of collar should be flush with bottom of arm plate

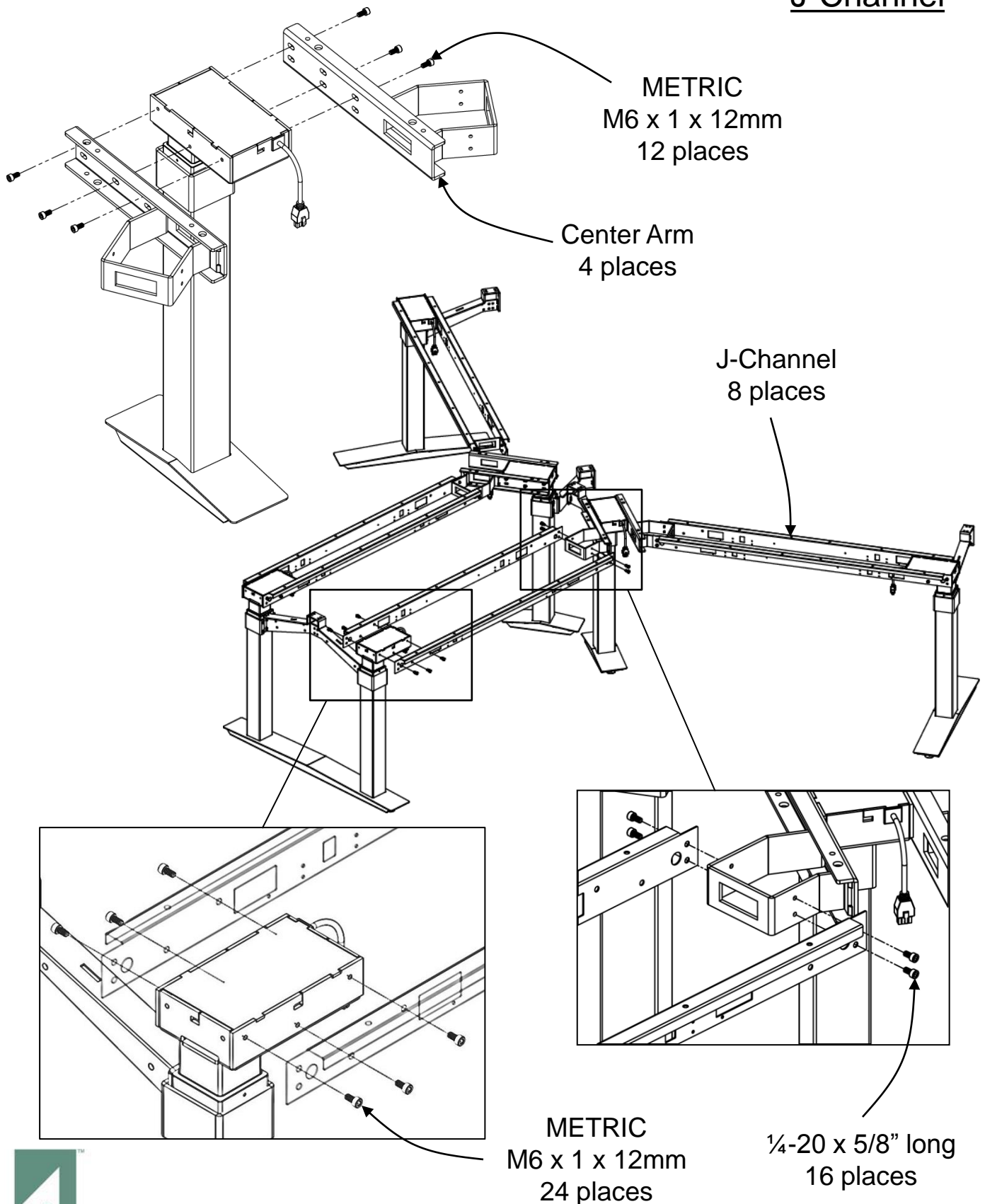
Aloft 120 Installation

Single Bench Base Assembly J-Channel



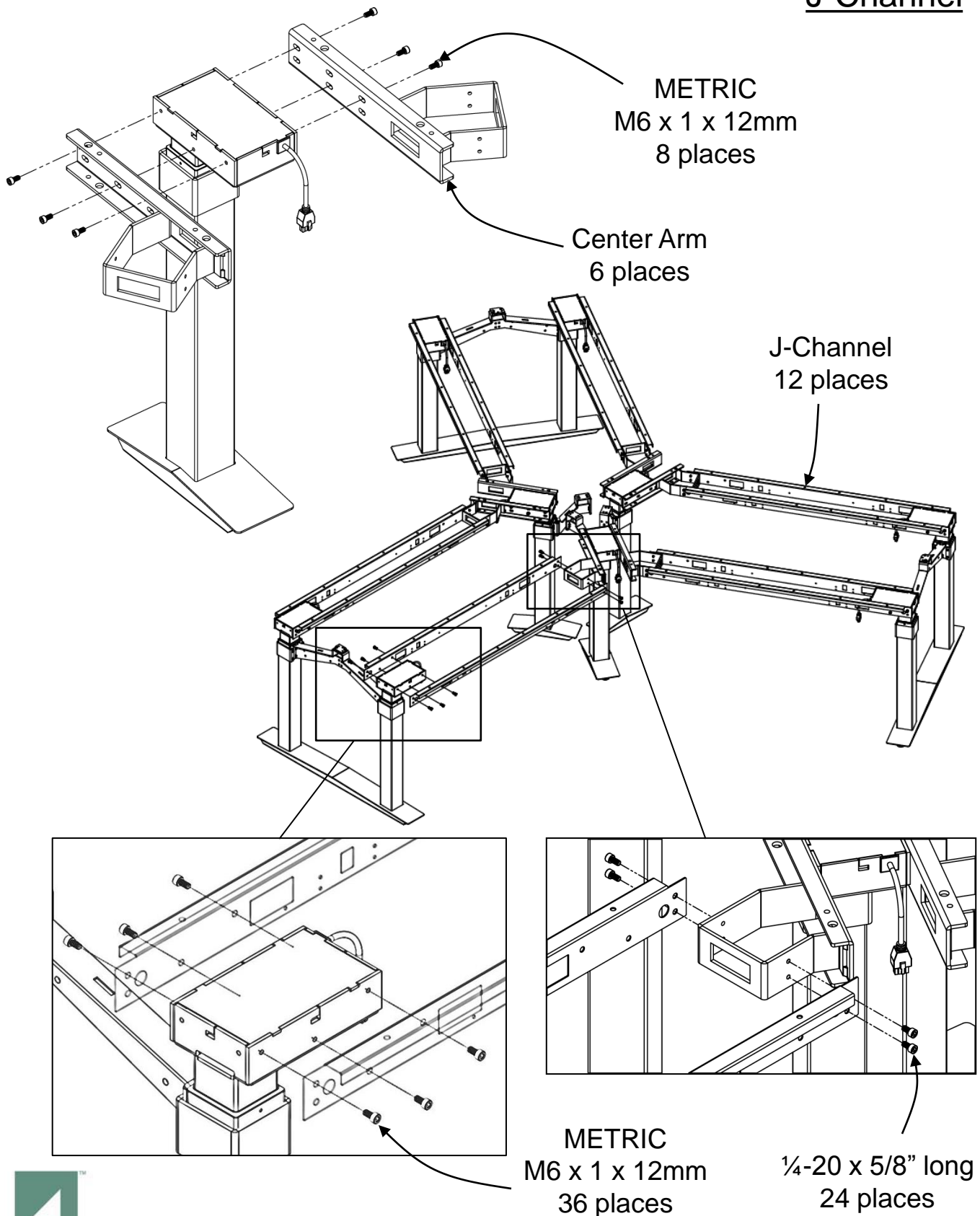
Aloft 120 Installation

Double Bench Base Assembly J-Channel



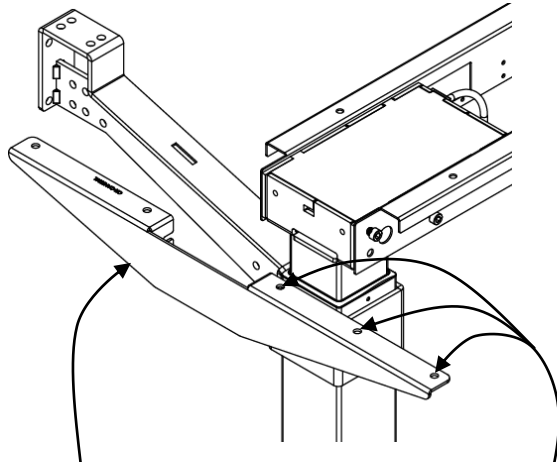
Aloft 120 Installation

Triple Bench Base Assembly J-Channel

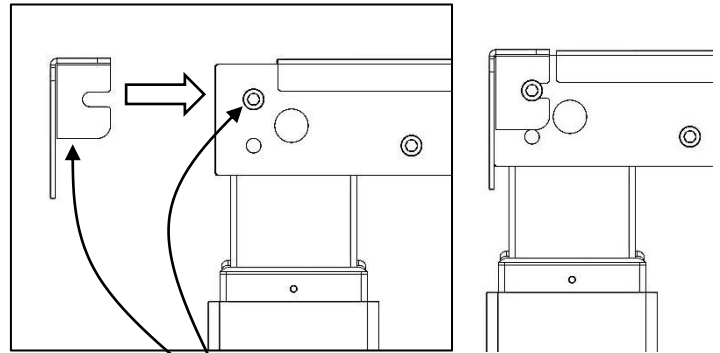


Aloft 120 Installation

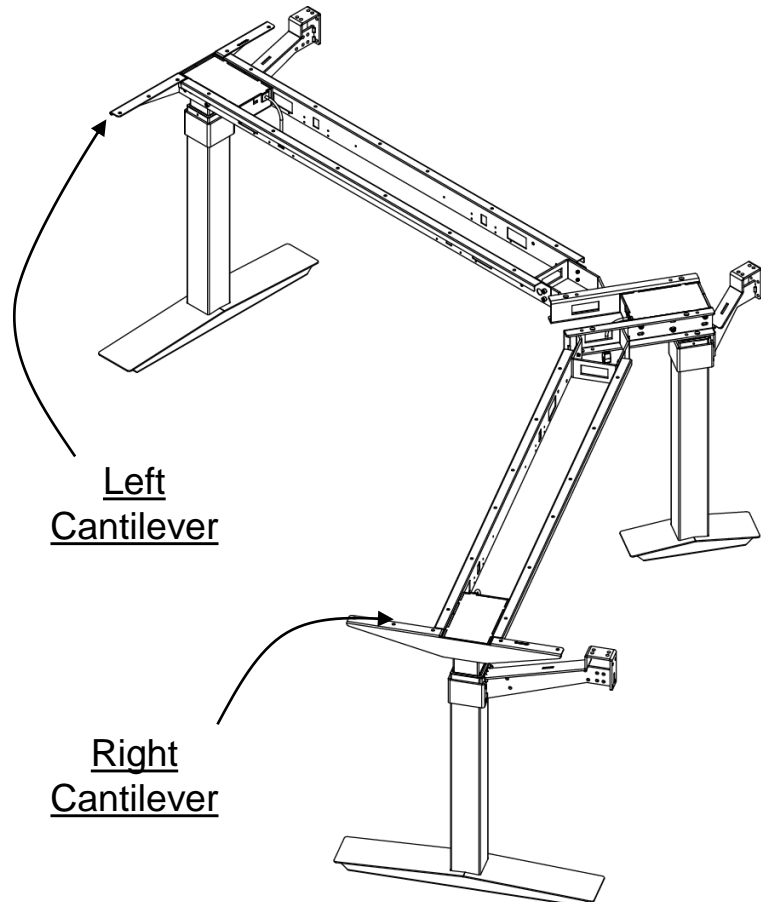
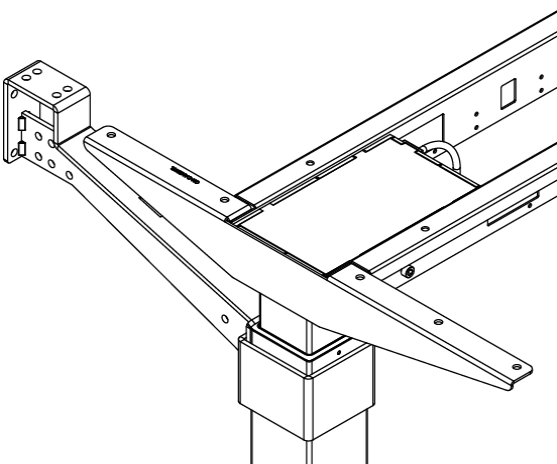
Single/Double/Triple Bench Cantilever Assembly



Left hand Column
Cantilever.
3 holes (longer side)
faces user.



Engage cantilever over
J-channel screw and
tighten fully.

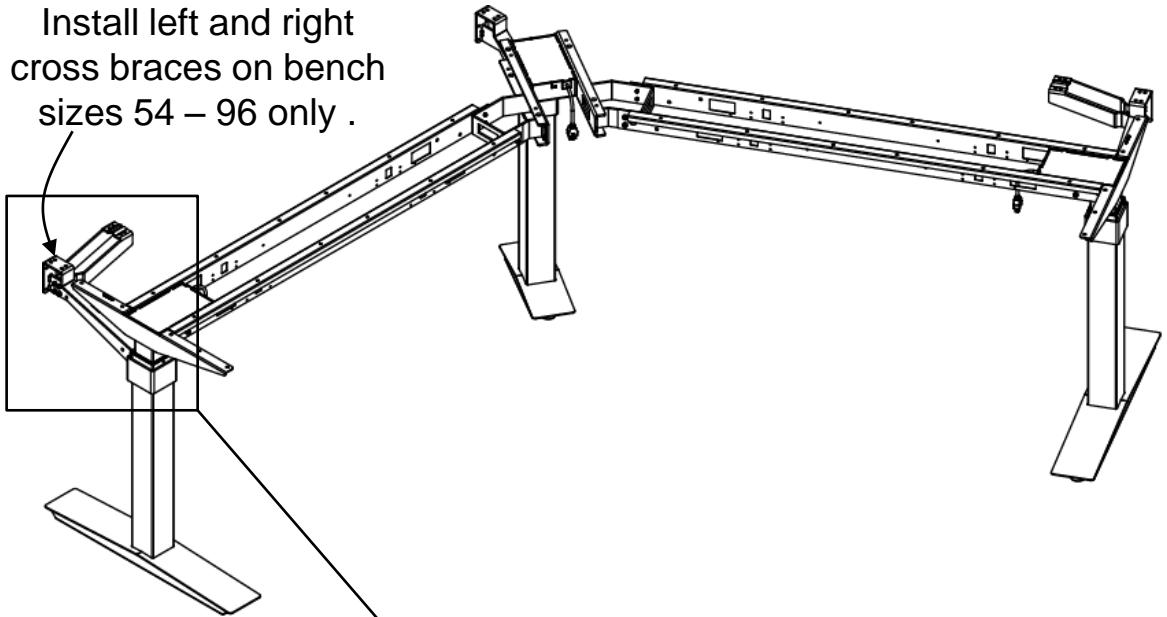


Left
Cantilever

Right
Cantilever



Install left and right cross braces on bench sizes 54 – 96 only .

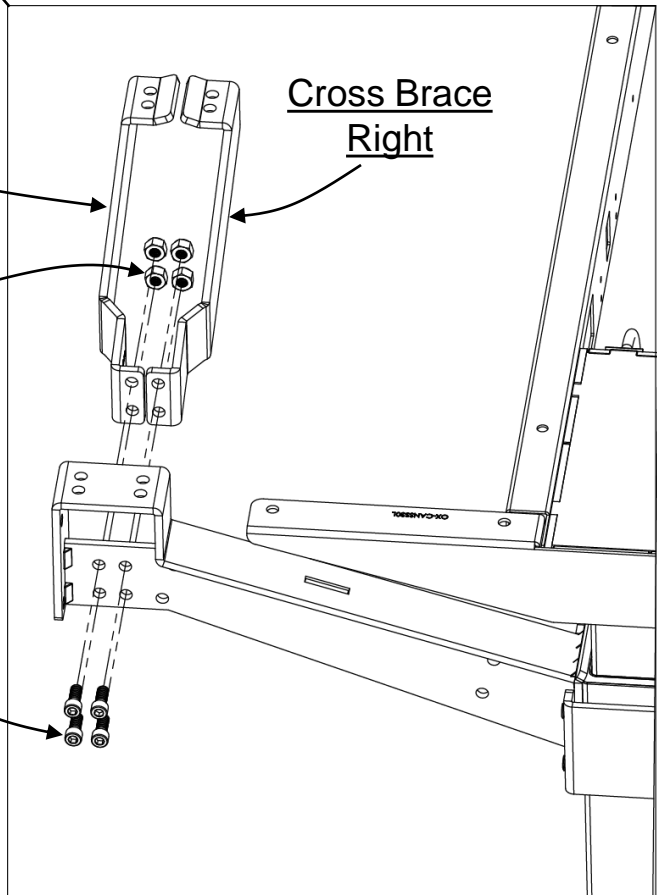


Cross Brace
Left

Cross Brace
Right

1/4-20 Hex Nuts x 4

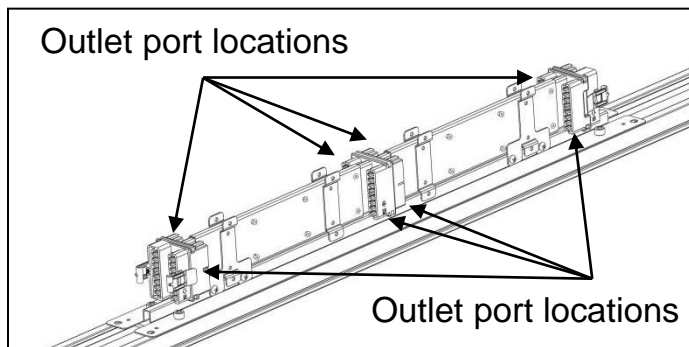
1/4-20 x 5/8ths Hex
Cap Screw x 4



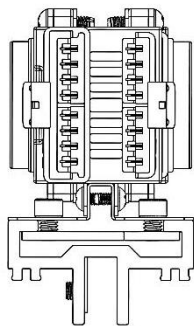
Aloft 120 Installation

Outlet & Powerway Cover Installation

36w – 96w Powered Spine Beam
Assembly
(Shown on floor upside down)



10-24 x 5/8" Pan Head
Machine Screw with thread
cutting tip, 1 per outlet in
bottom hole



Insert numbered outlets
per plan, engaging left
or right as shown. Then
screw outlets to
powerway to secure.

Pan head machine
screw 8-32 x 3/8" long
thread rolling tip
8 places

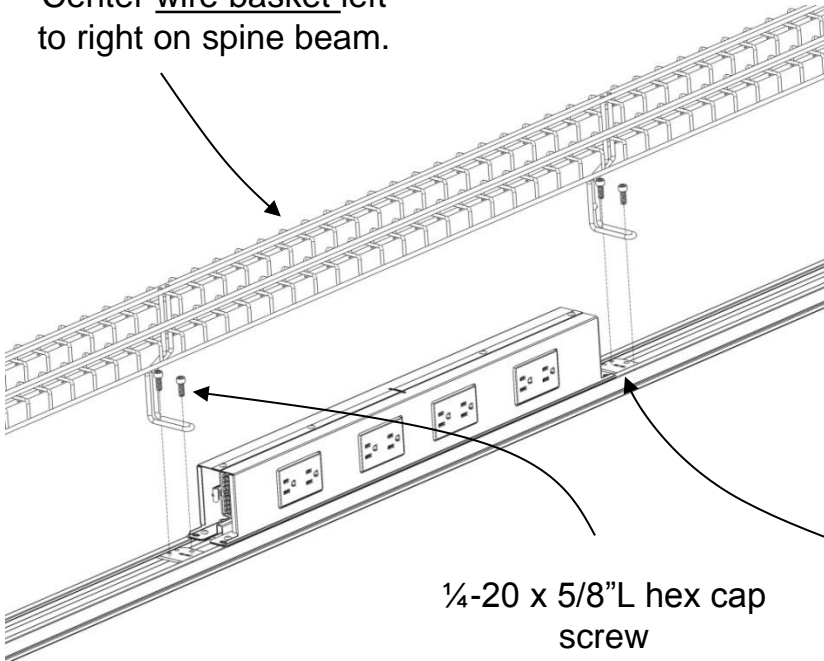


Note: Overlap
flanges such that
small holes are
"behind" big holes.

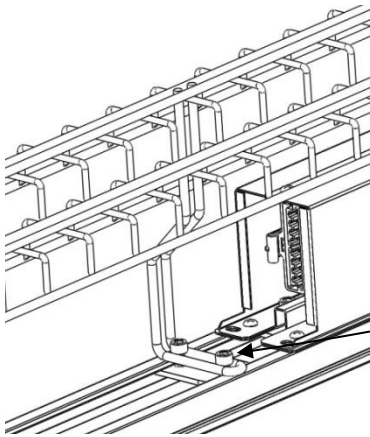
Aloft 120 Installation

Wire Basket Installation

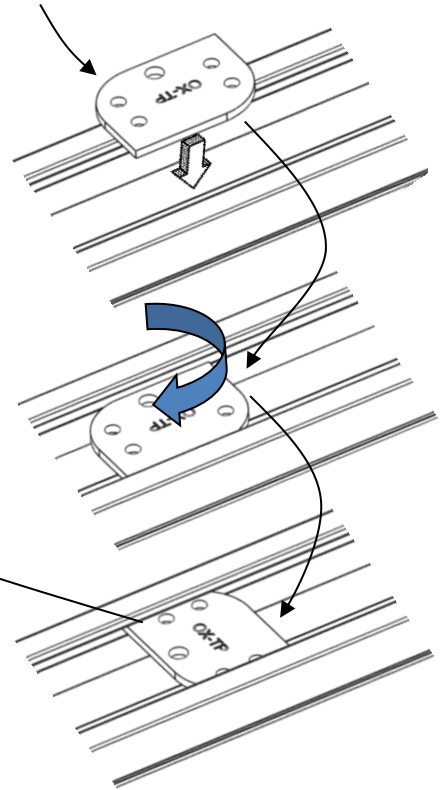
Center wire basket left
to right on spine beam.



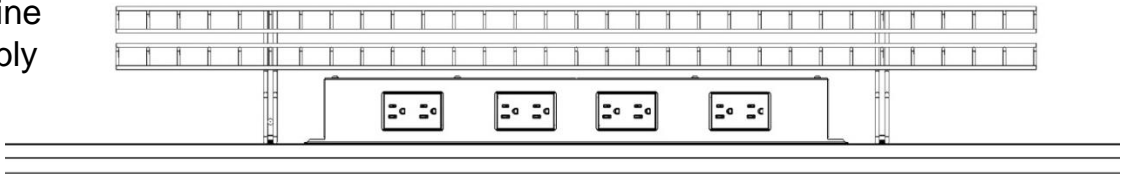
1/4-20 x 5/8\"/>



Twist plate

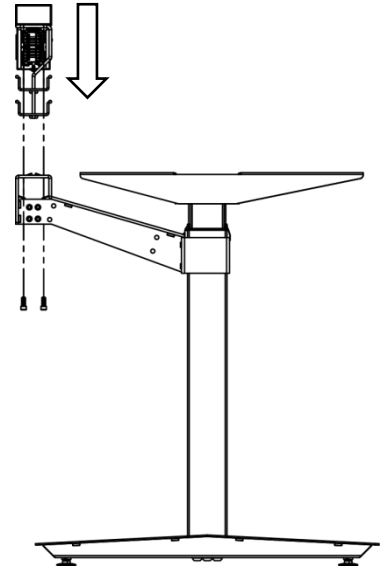
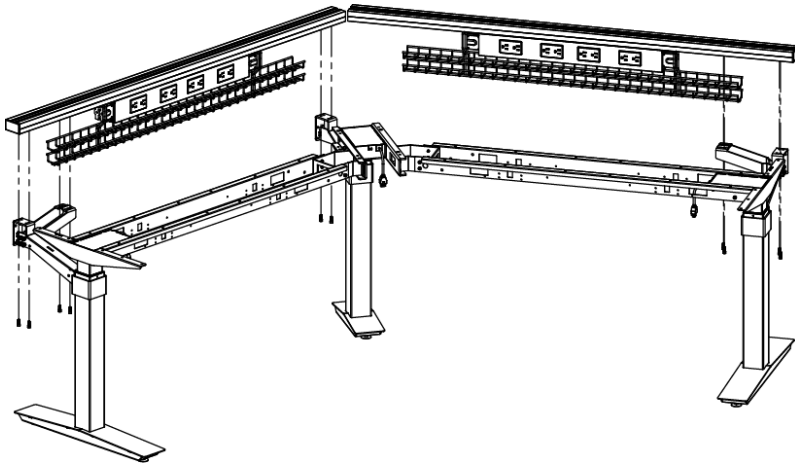


36w - 96w spine
beam assembly

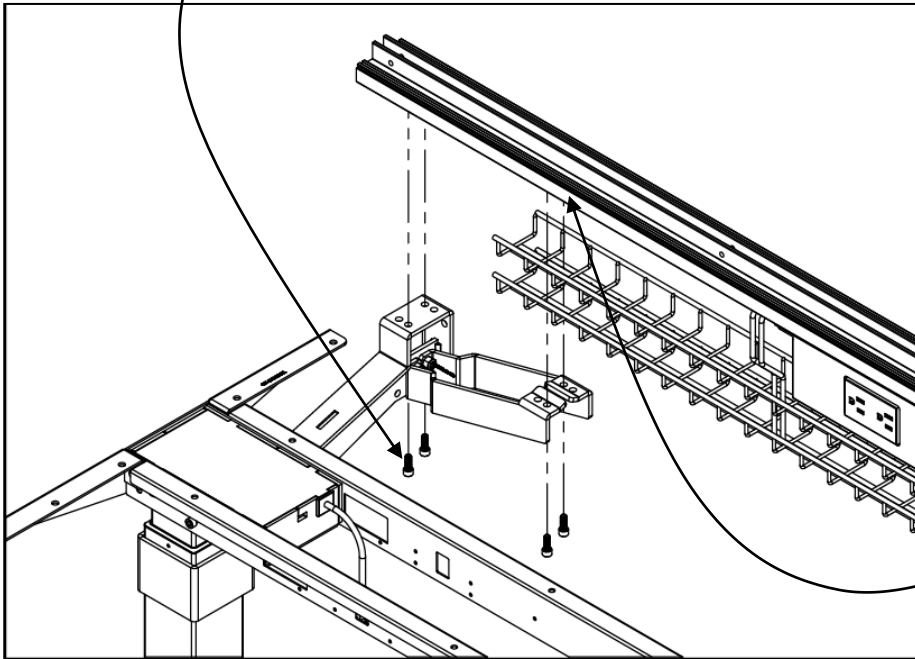


Aloft 120 Installation

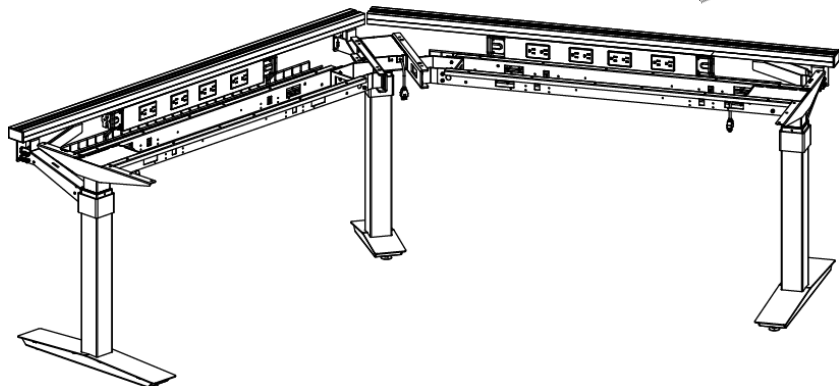
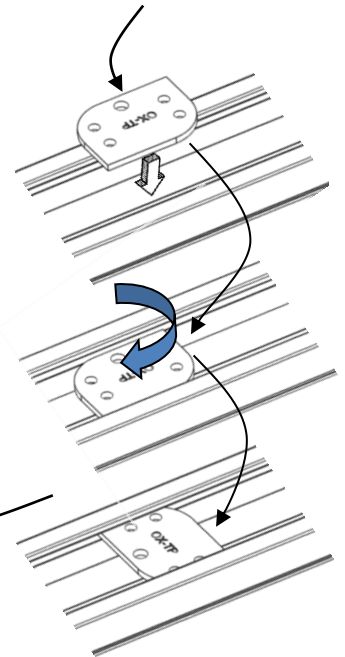
Spine Beam Assembly



Hex cap machine screw $\frac{1}{4}$ -20 x $\frac{5}{8}$ " long with $\frac{3}{16}$ " hex drive, black, x8

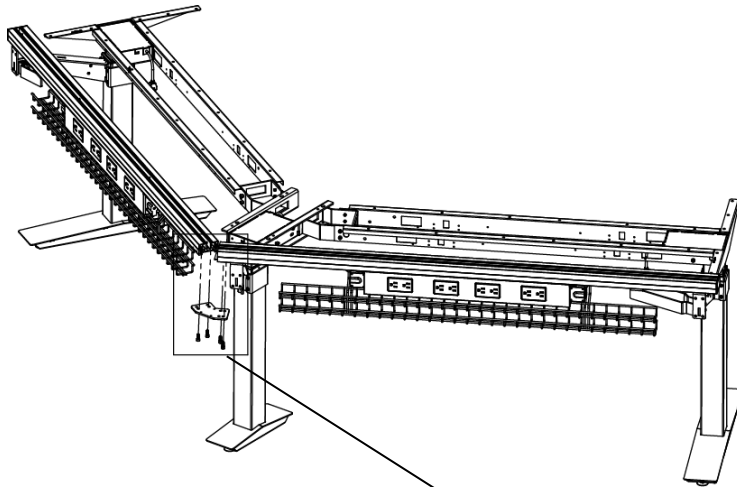


Twist plate

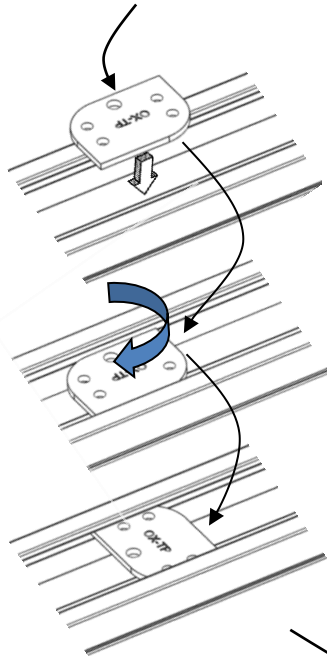


Aloft 120 Installation

Spine Beam Assembly – Single Bench Bracket

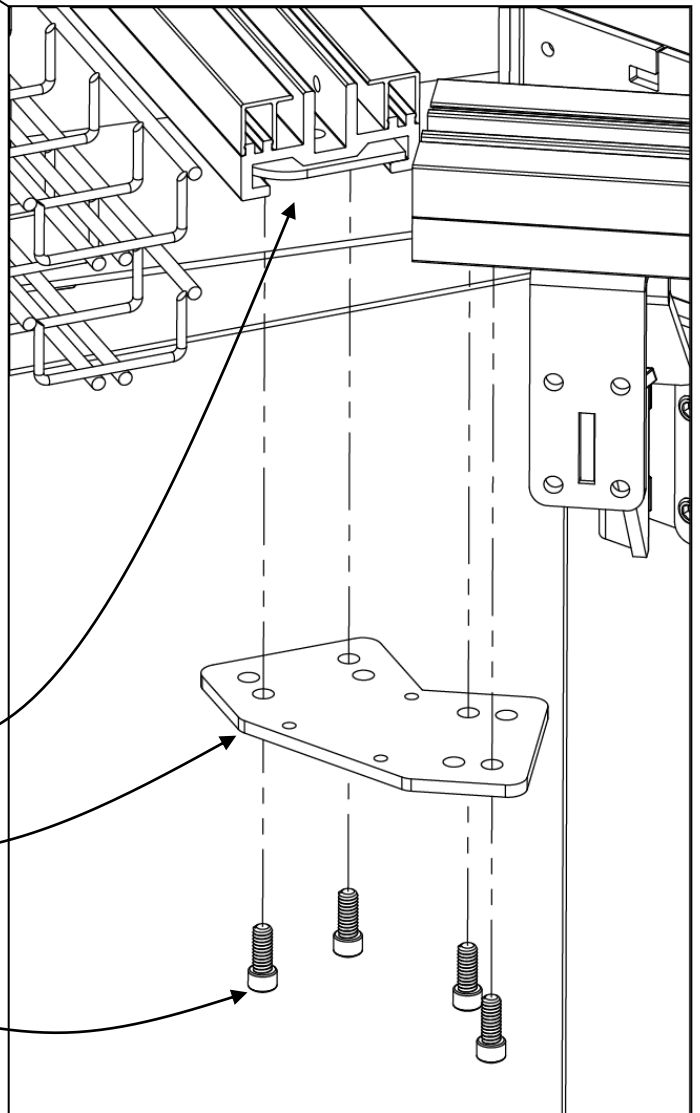


Twist plate



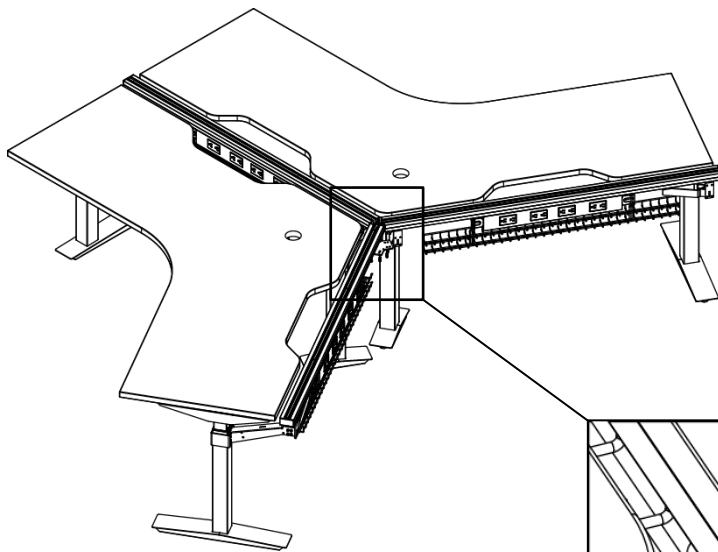
Bracket

Hex cap machine screw
1/4-20 x 5/8" long with
3/16" hex drive, black
4 places

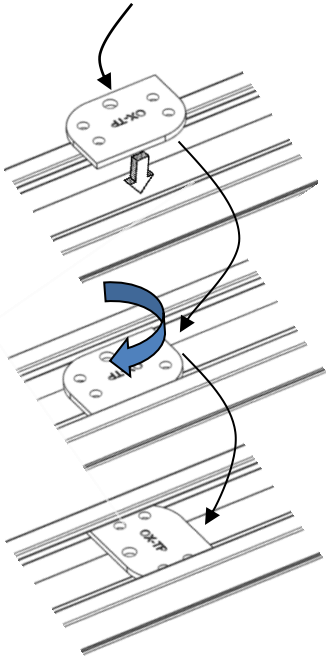


Aloft 120 Installation

Spine Beam Assembly – Double/Triple Bench Bracket

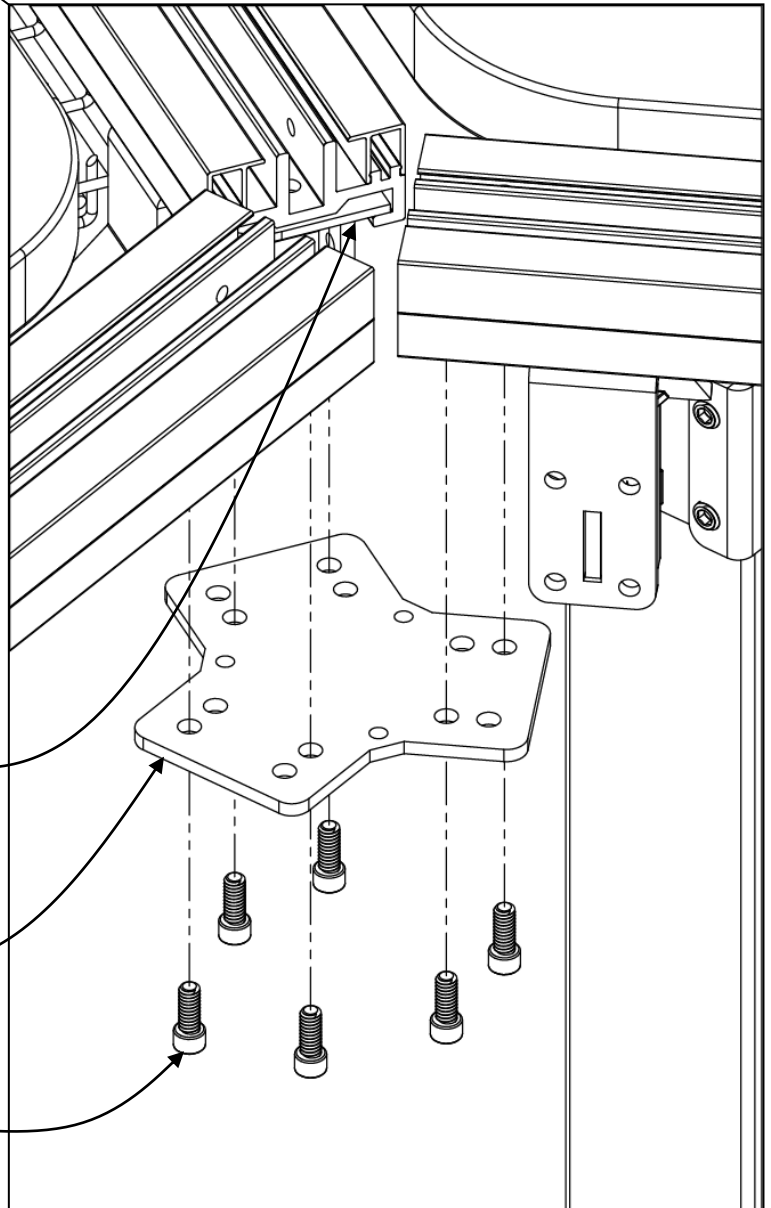


Twist plate



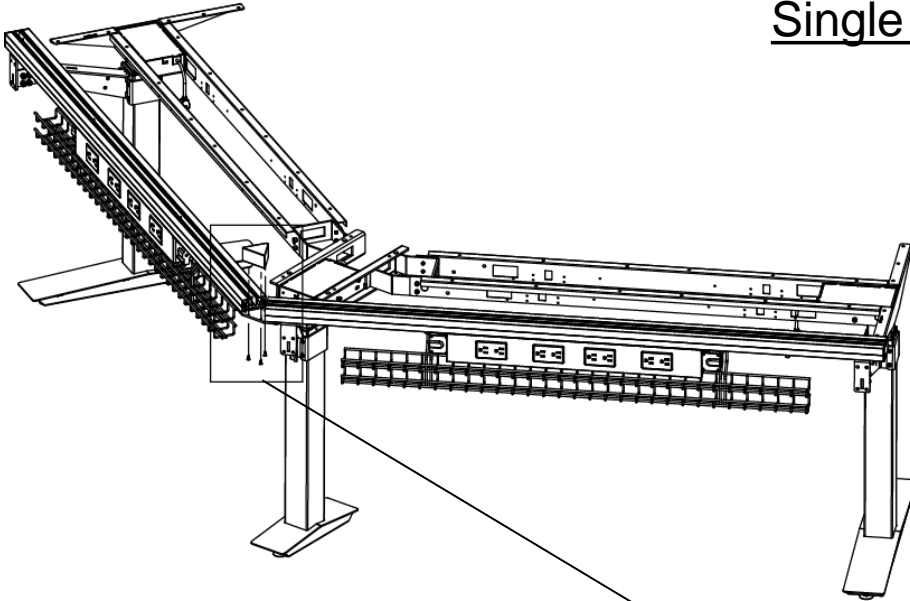
Bracket

Hex cap machine screw
1/4-20 x 5/8" long with
3/16" hex drive, black
6 places



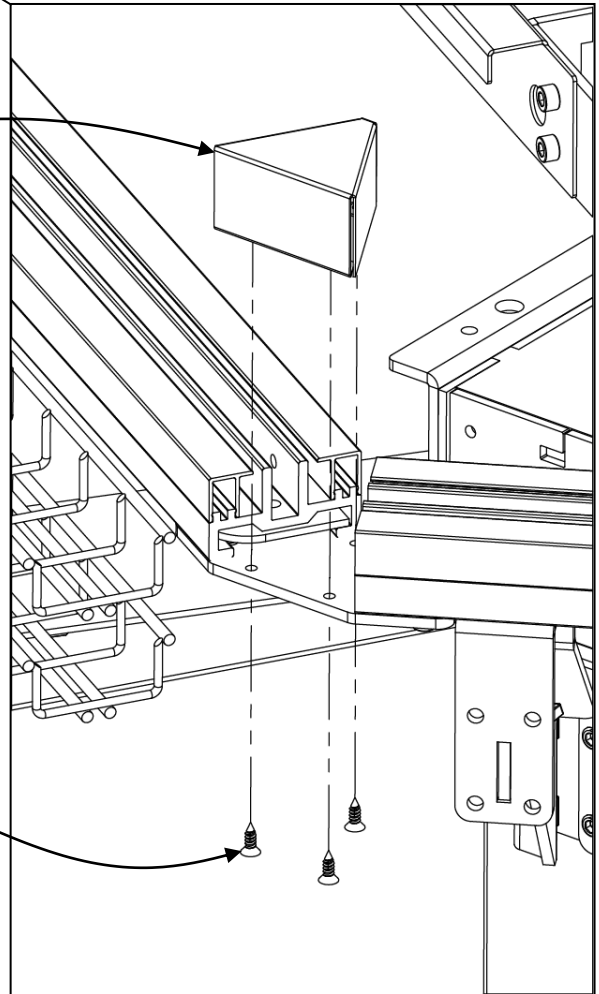
Aloft 120 Installation

Spine Beam Assembly – Single Bench Top Cap



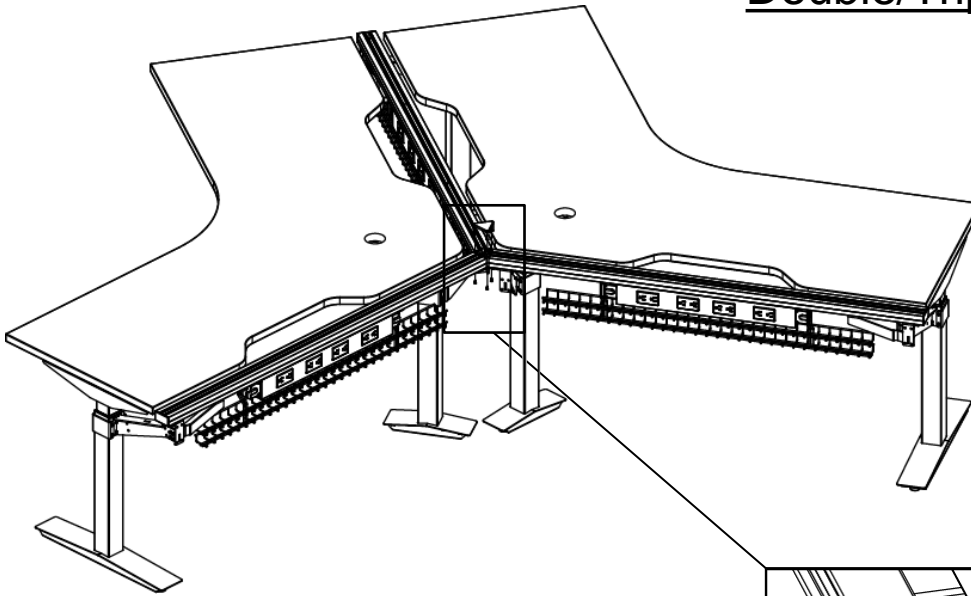
Top Cap
for single bench

Flat head sheet metal screw
#8 x 1/2" long with
#2 philips drive, 3 places



Aloft 120 Installation

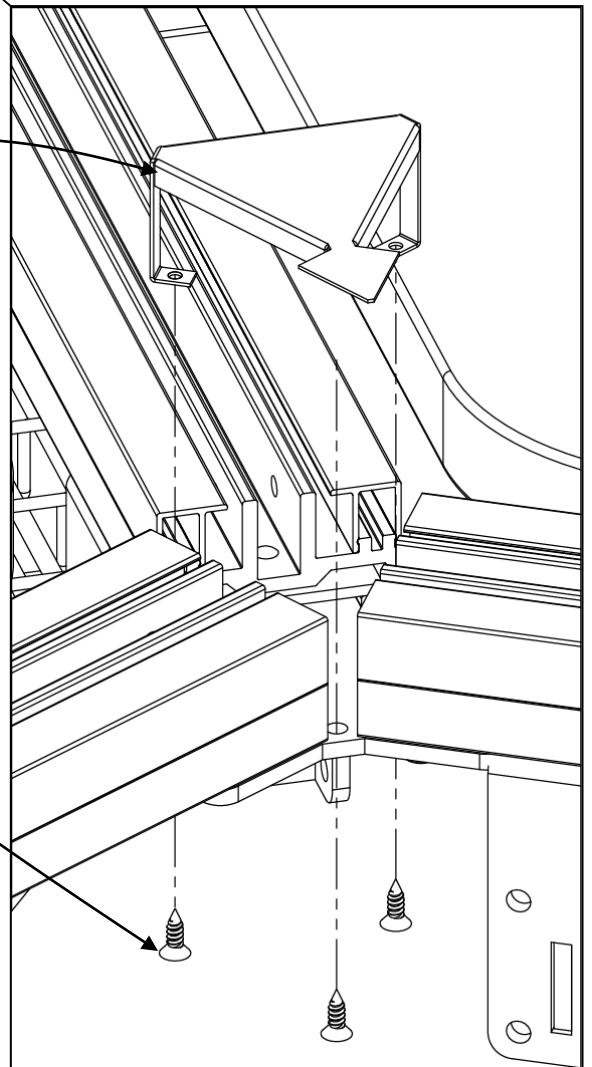
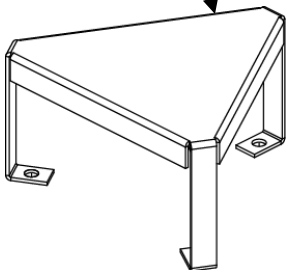
Spine Beam Assembly – Double/Triple Bench Top Cap



Top Cap
for double bench

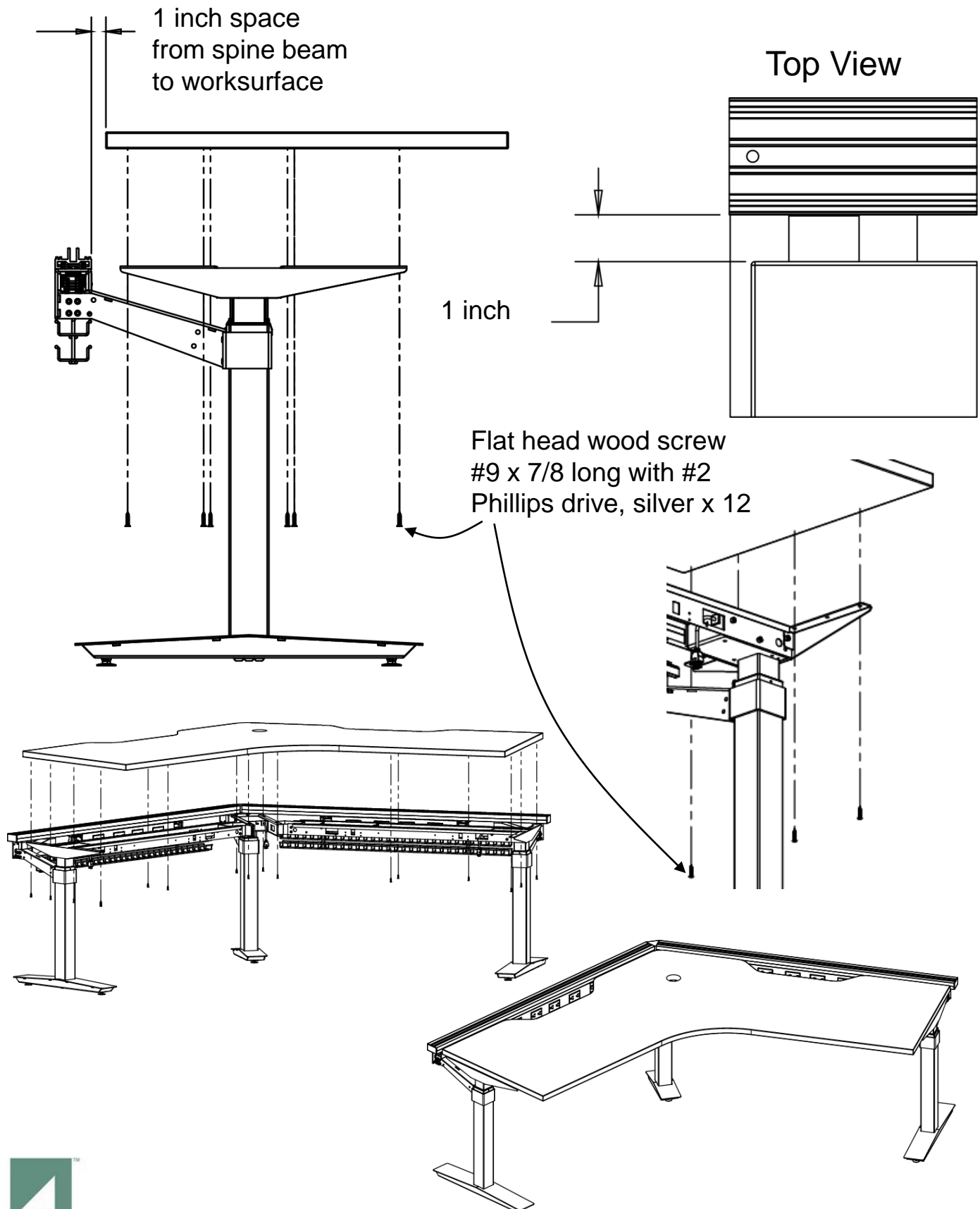
Flat head sheet metal screw
#8 x 1/2" long with
#2 philips drive, 3 places

Top Cap
for triple bench

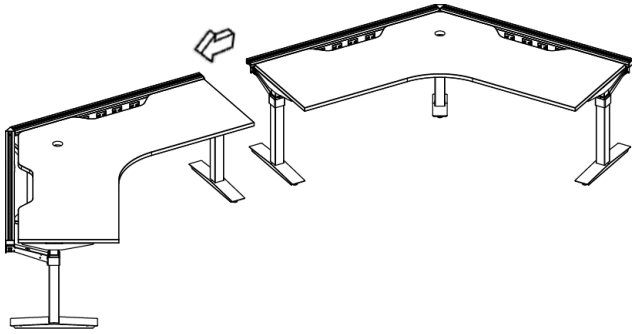


Aloft 120 Installation

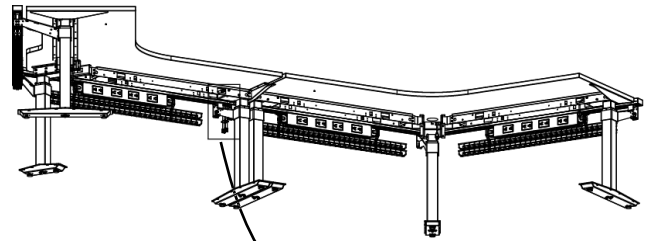
Worksurface Installation



Aloft 120 Installation

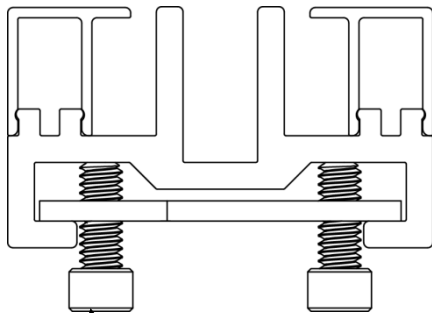
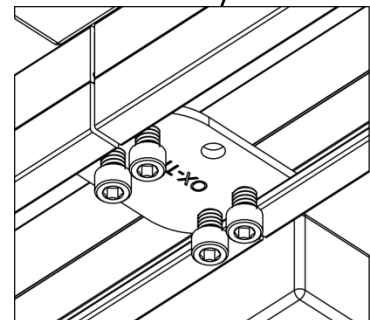
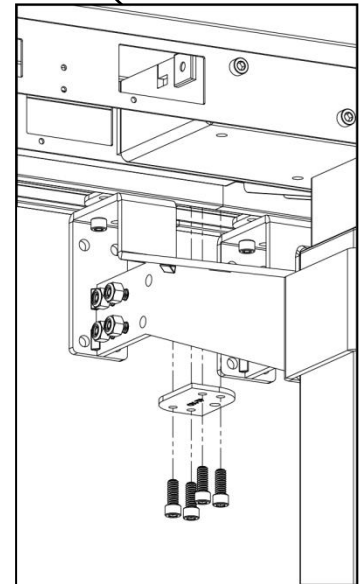
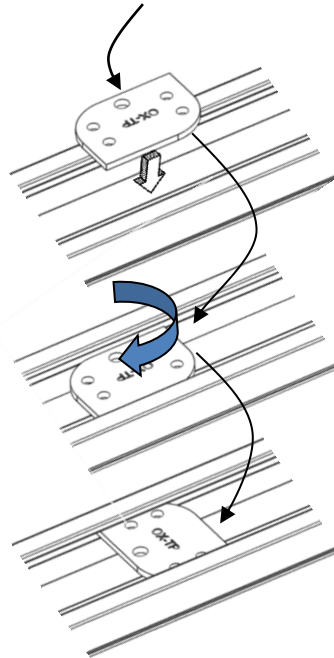


Double Bench Installation Ganging Benches



Powered benches **MUST**
be bolted together as
shown to meet National
Electric Codes

Twist plate
#OX-TP

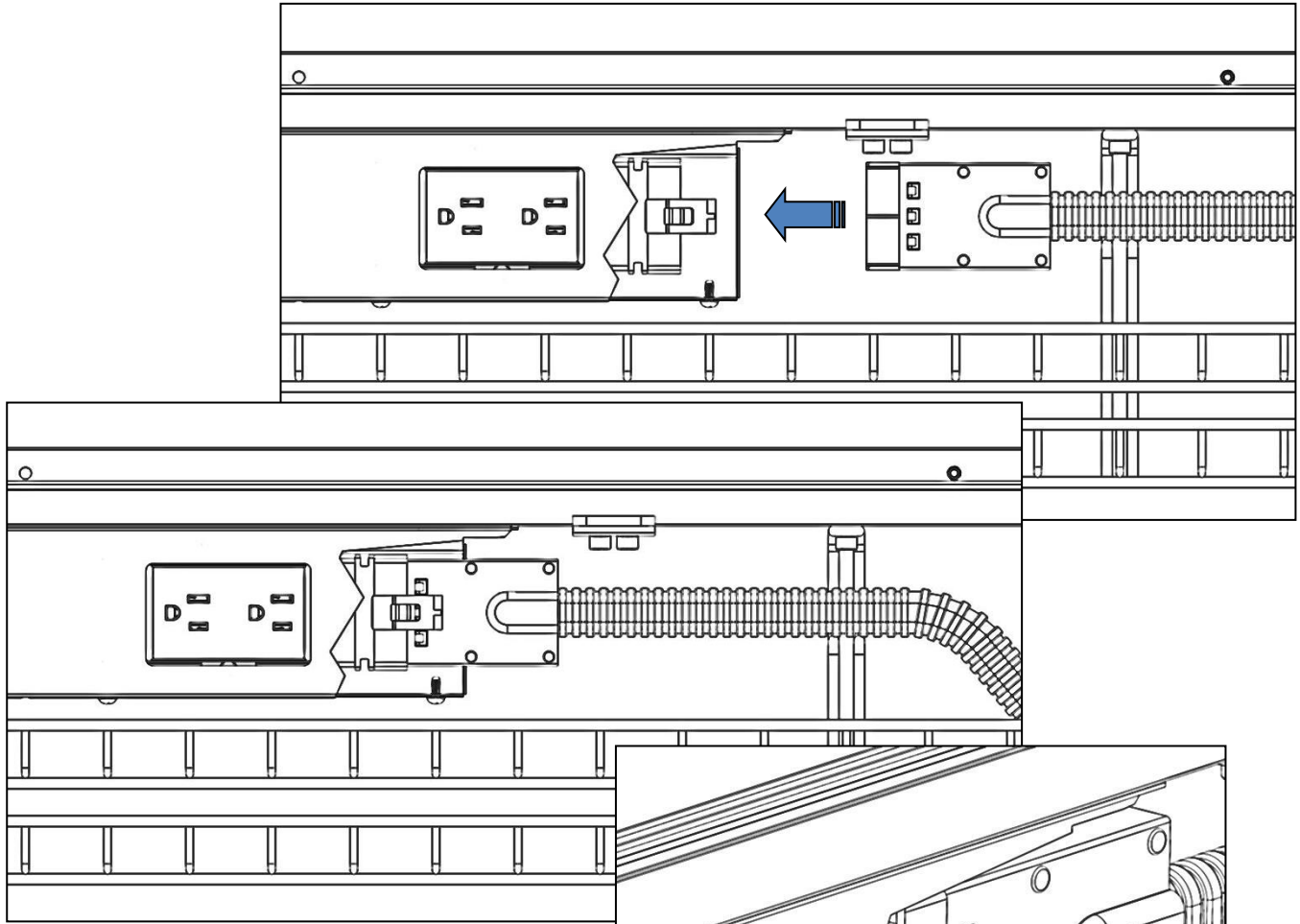


1/4-20 x 5/8 long
Socket Head Screw
4 places, fully tighten
3/16 Hex drive, Black

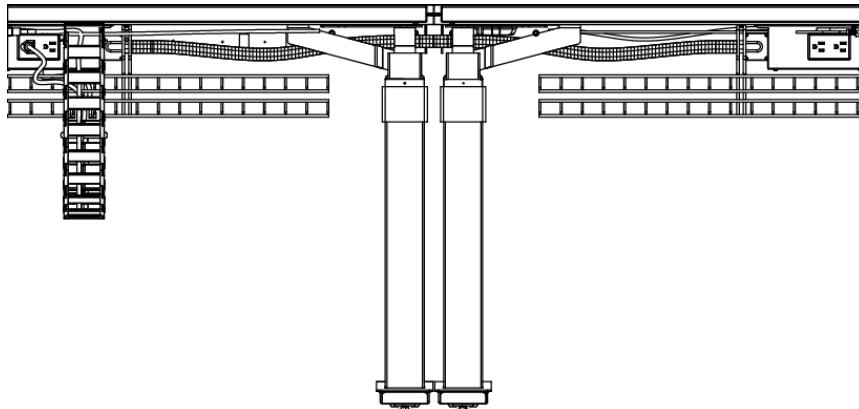
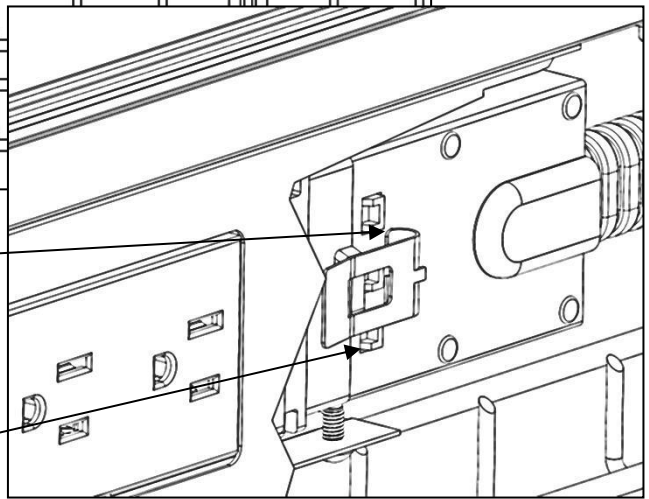
- Insert twist plate into spine beams as shown and fully tighten 4 screws

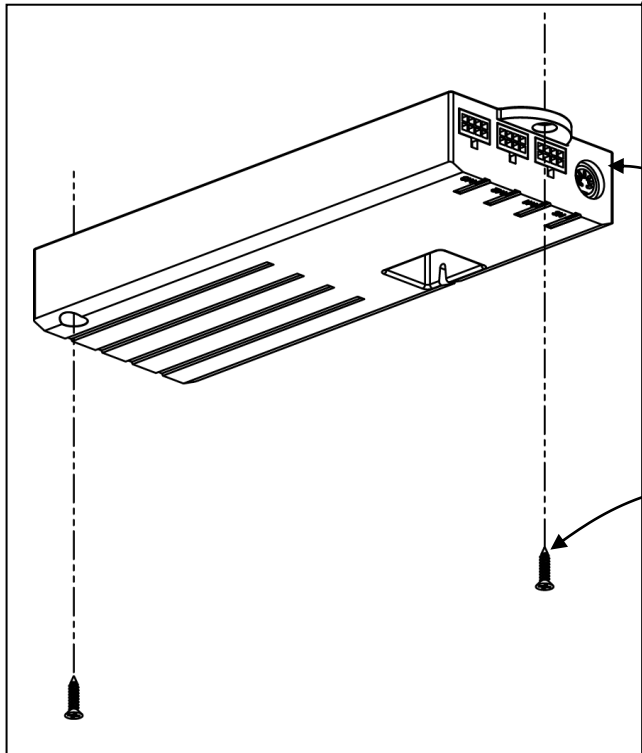
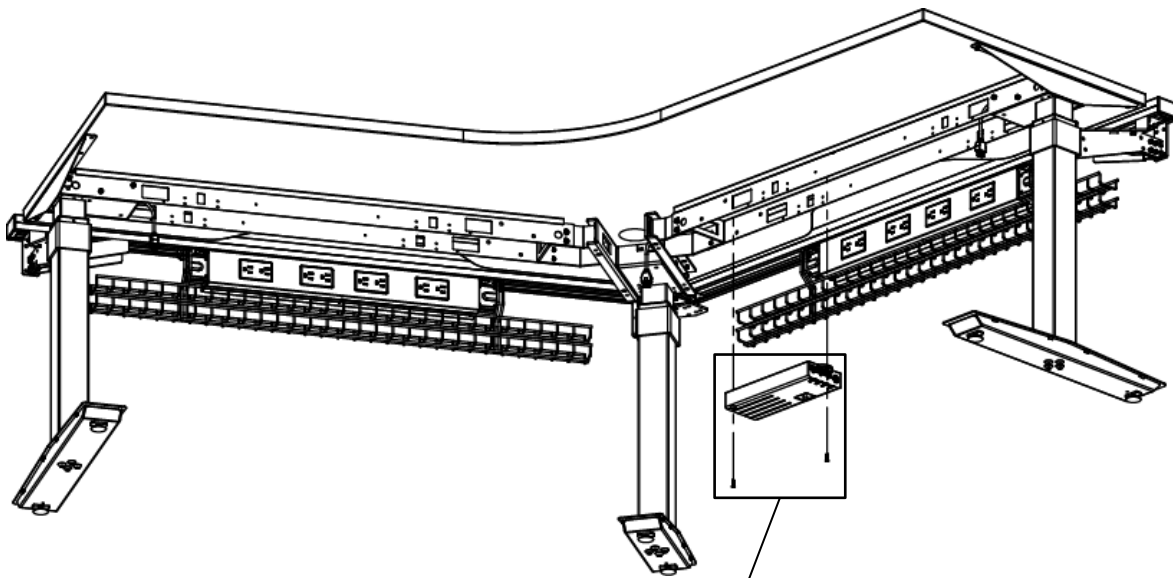
Aloft 120 Installation

Jumper Installation



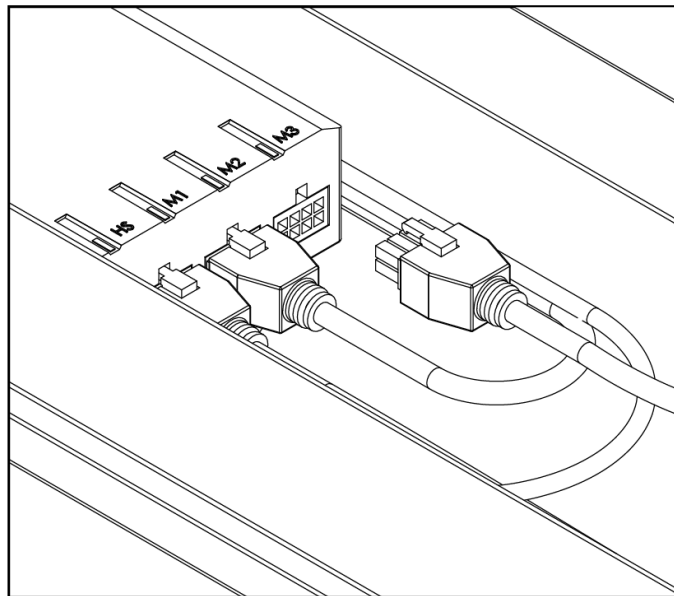
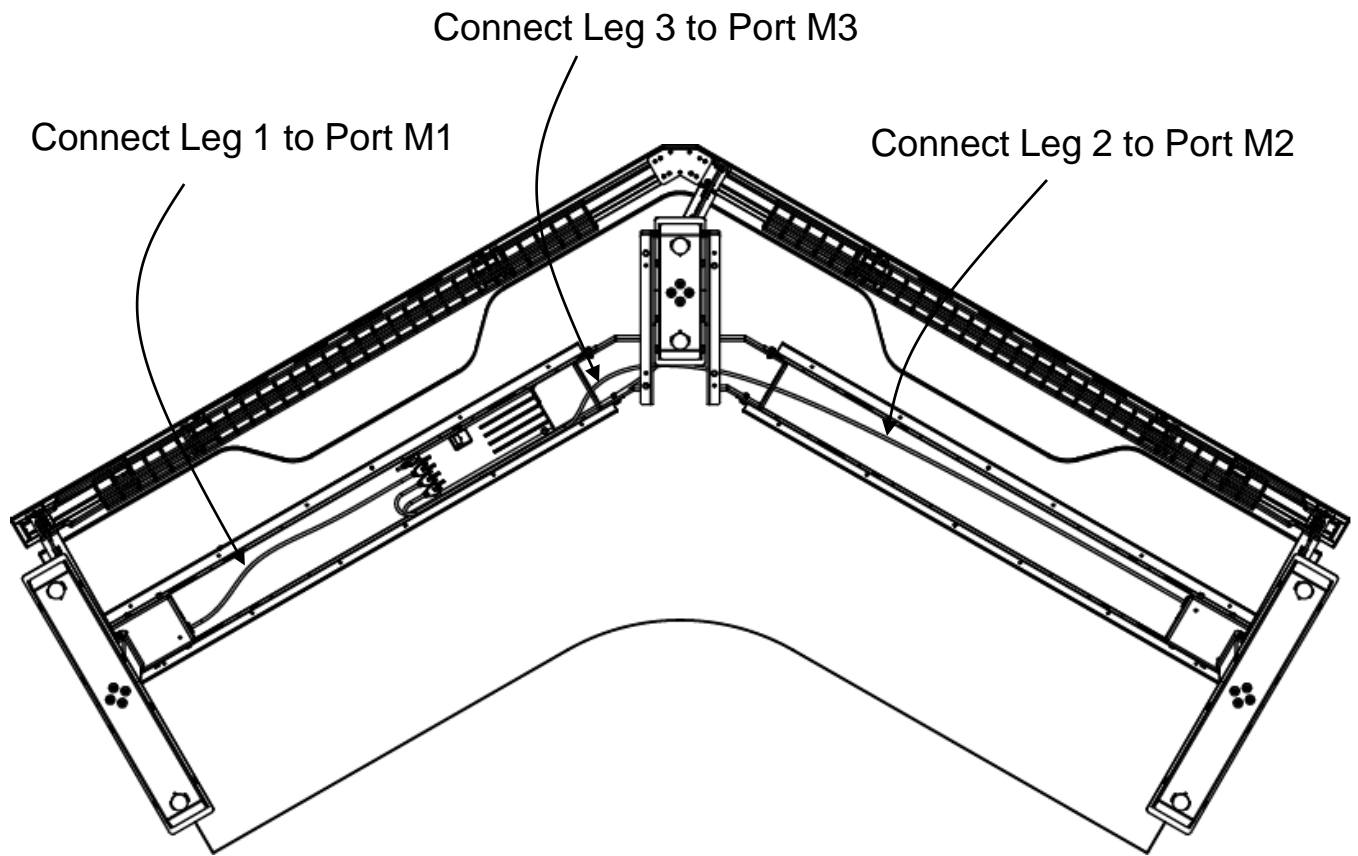
Locking clip
on powerway
MUST be present and
engaged
behind wedges
on jumper.





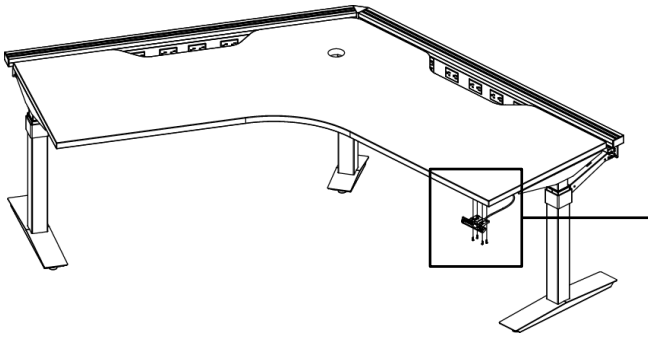
3-Input Control Box
Mounted between J-Channels

#10 x 1" long
Flat head sheet metal screw
#2 Philips drive, zinc plated steel
2 places, tighten fully



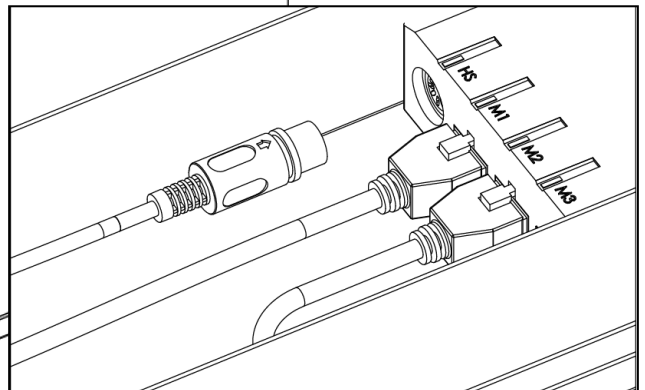
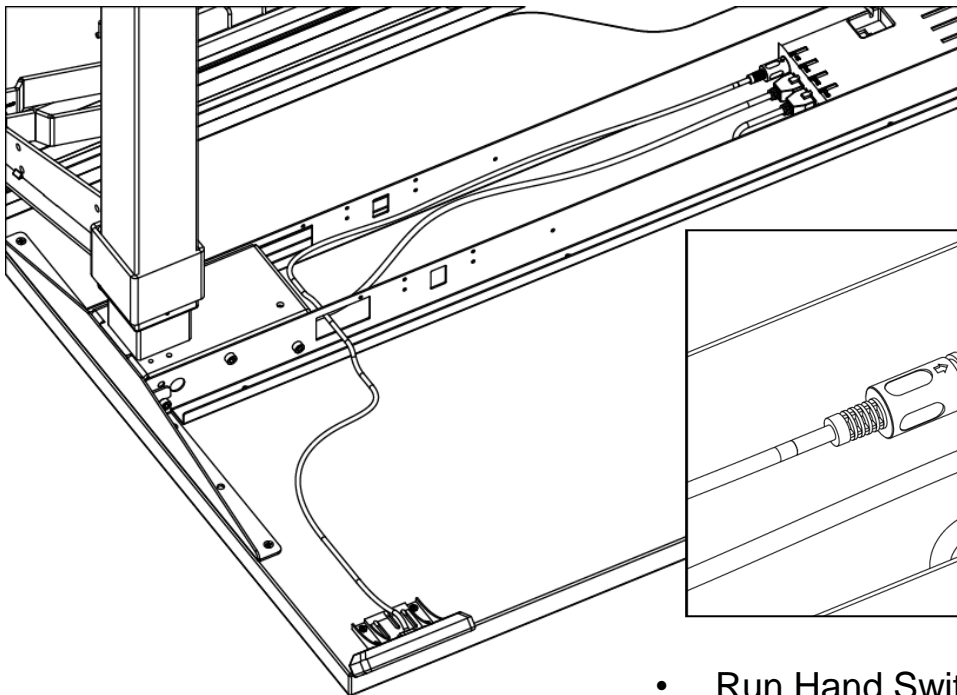
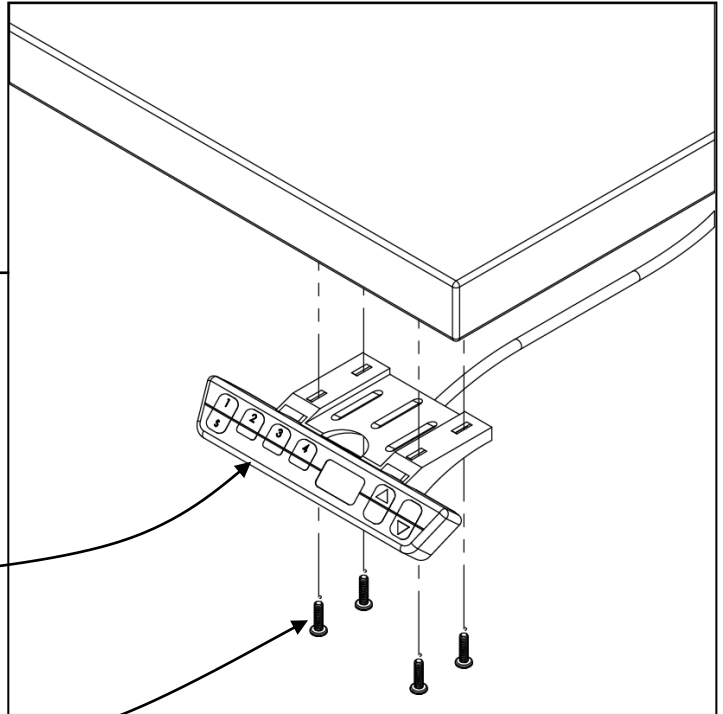
Aloft 120 Installation

Hand Switch Installation



Programmable Hand Switch
2 places

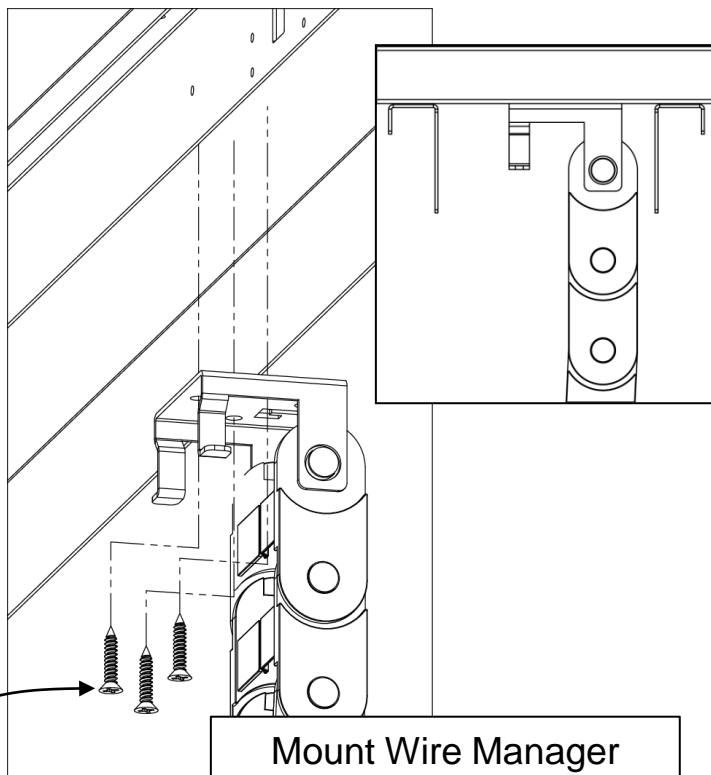
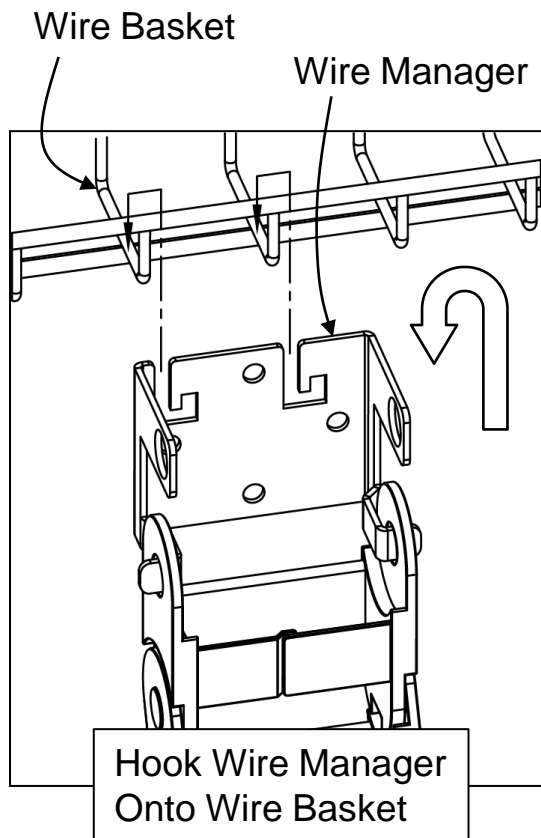
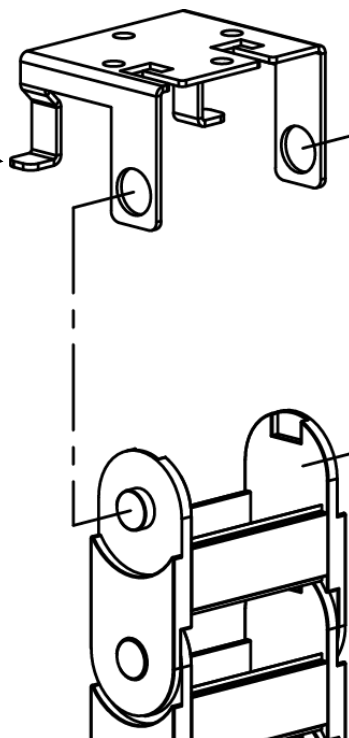
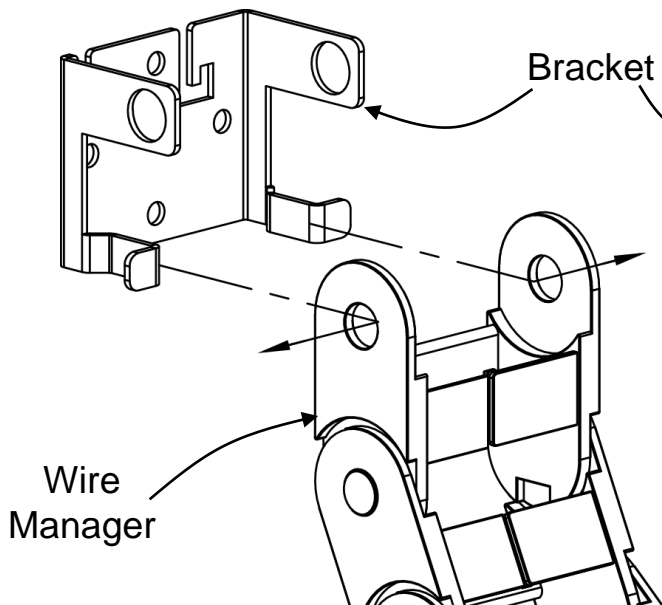
#6 x 1/2" long
Pan Head Screw
#2 Philips drive, 8 places



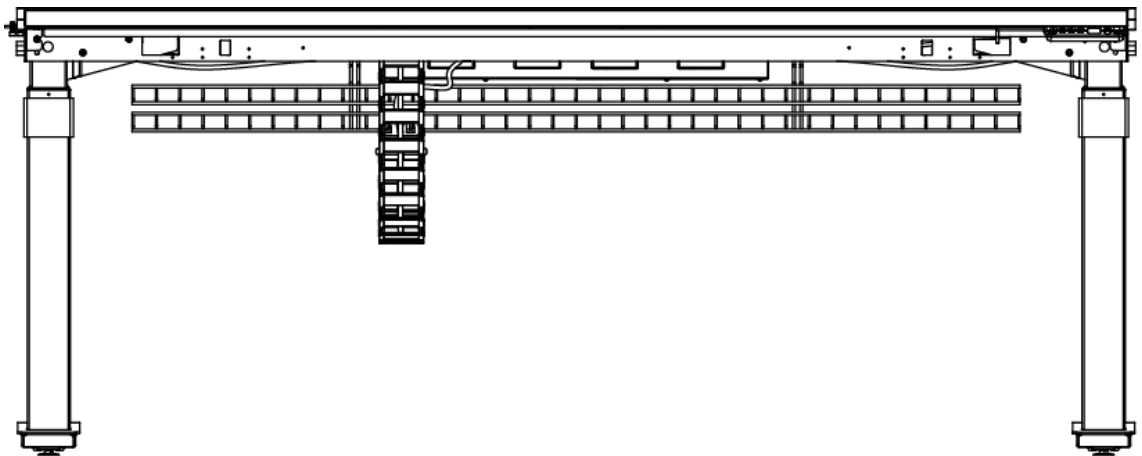
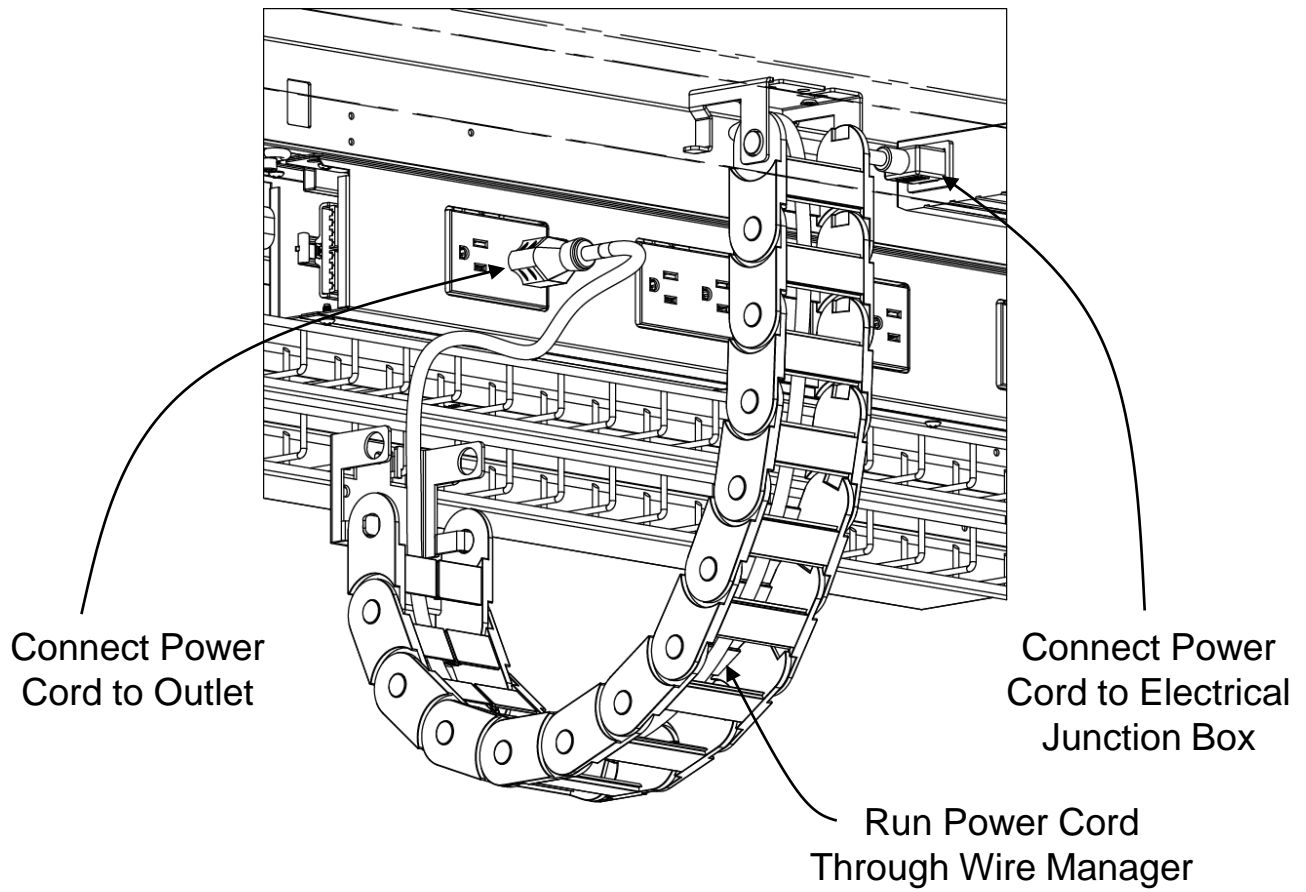
- Run Hand Switch Connector through hole in J-Channel
- Plug Connector into Port HS

Aloft 120 Installation

Wire Manager Installation



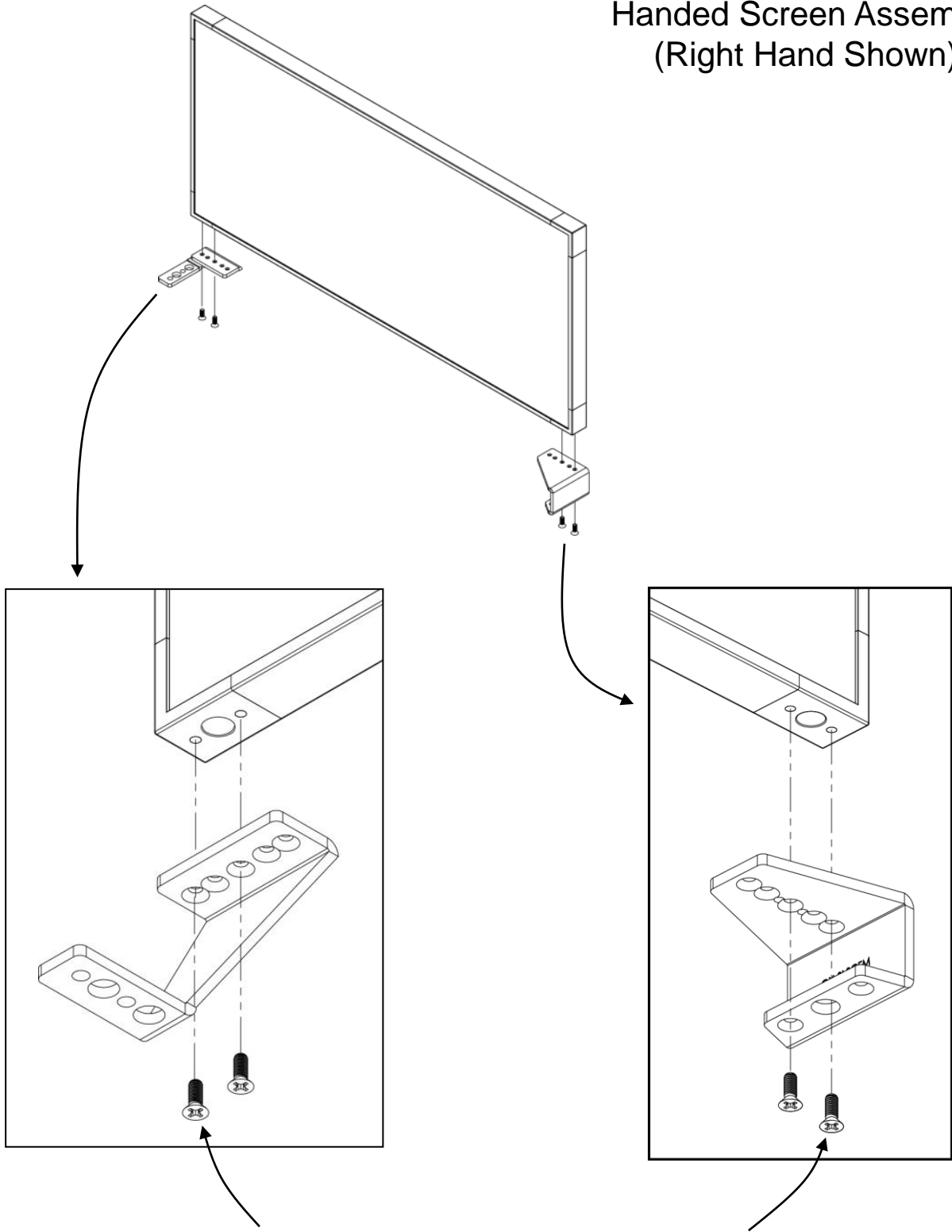
#10 x 1" long
Flat head sheet metal screw
#2 Philips drive, 6 places



Aloft 120 Installation

Territory Screen Assembly

Handed Screen Assembly
(Right Hand Shown)

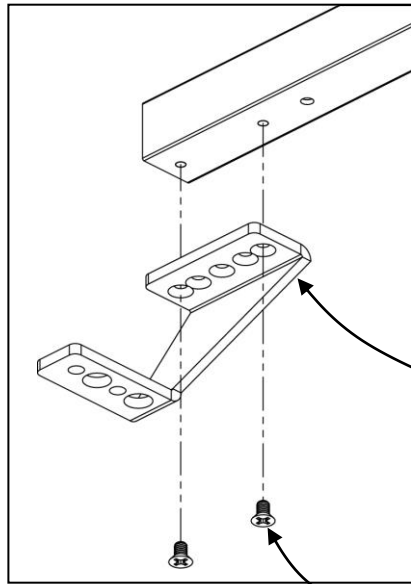
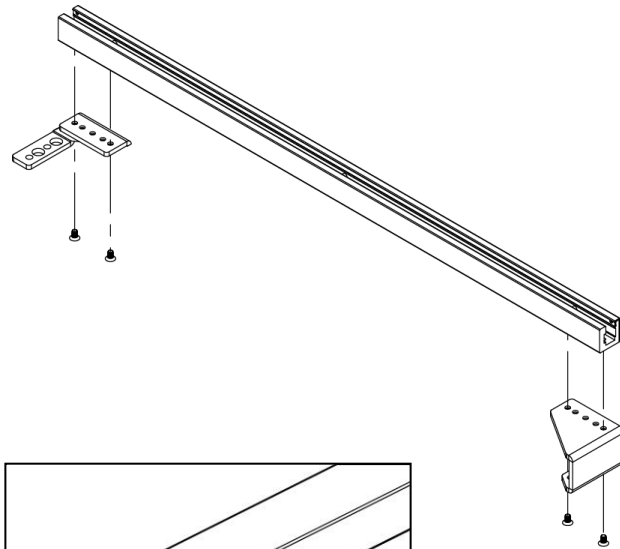


#10-32 x .5 inch Flat Head Machine Screw 4 Places

Aloft 120 Installation

Glass Territory Screen Assembly

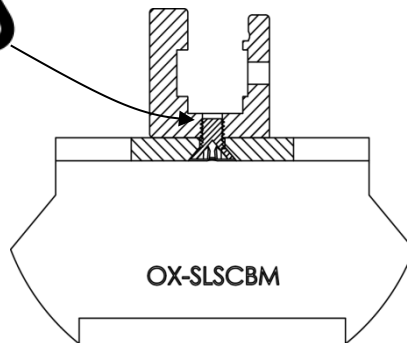
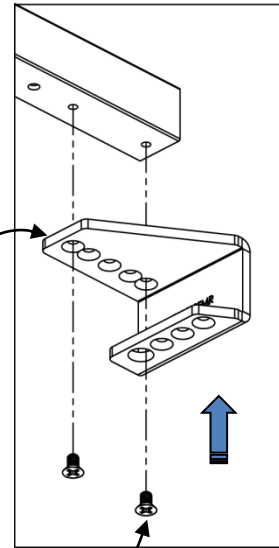
Handed Glass Screen Rail Assembly (Right Hand Shown)



Bracket

Bracket

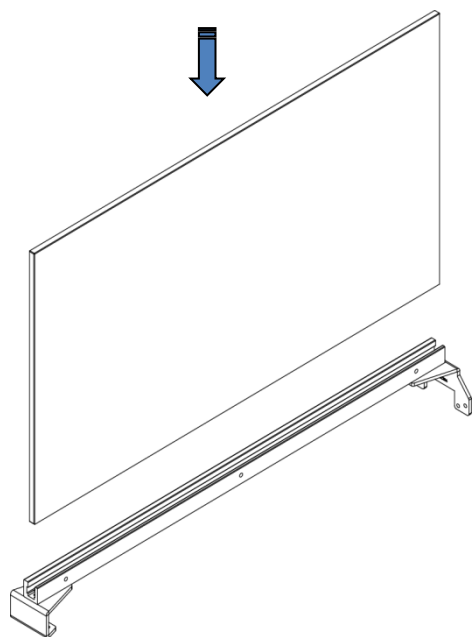
#10-32 x 5/16" Flat Head
Machine Screw 4 Places



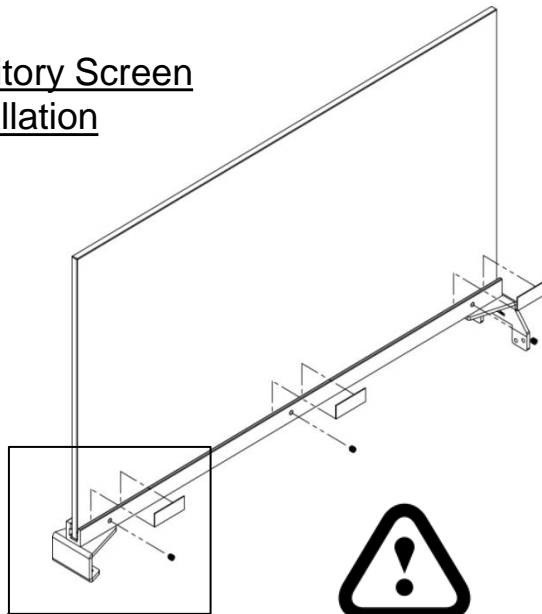
- Screw must not protrude beyond rail inner surface

Aloft 120 Installation

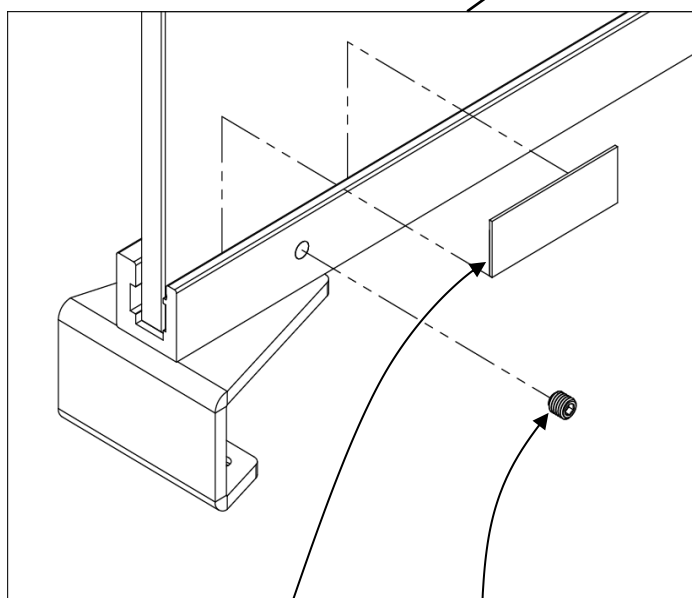
Glass Territory Screen Assembly



Glass Territory Screen Installation



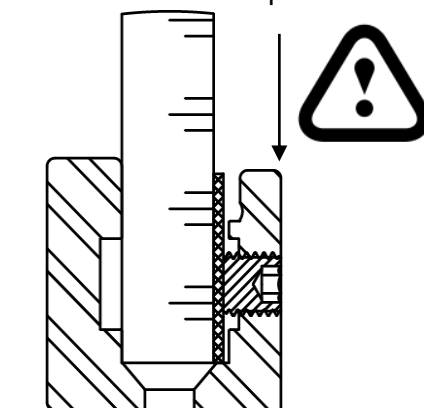
- Insert polycarbonate spacers (3 places) down in between glass screen and rail so that the spacer is located on the side directly behind the set screw holes.
- Install set screws (3 places), tightening to polycarbonate spacers. Check to insure set screw is not touching the glass surface and is flush or below the rail surface. (see image below)
- Glass screen should be secure to rail with no wobble.



Polycarbonate Spacer
3 places

Set Screw
1/4-28 x 1/4"
3 places

Flush surface
required



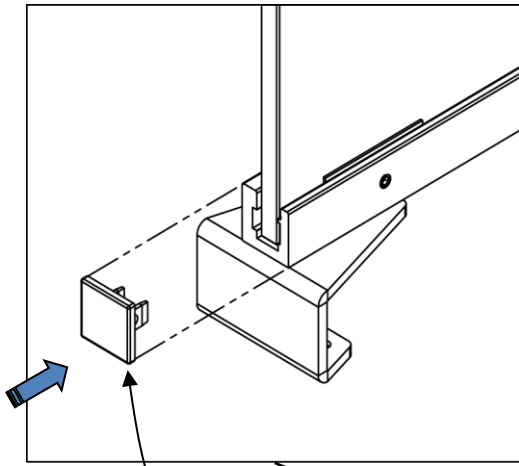
Aloft 120 Installation

Glass Territory Screen Assembly

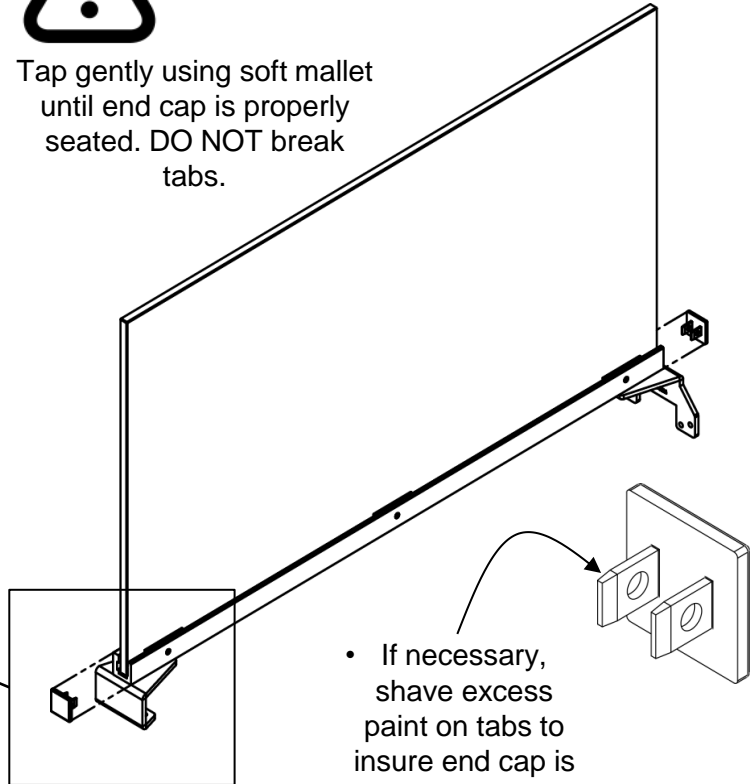
End Cap Installation



- Tap gently using soft mallet until end cap is properly seated. DO NOT break tabs.

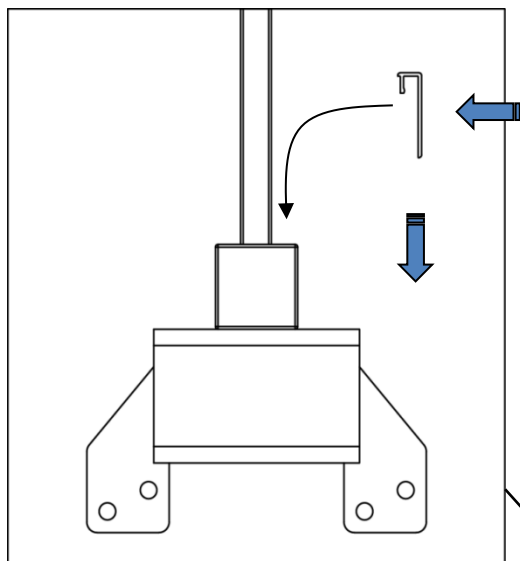


End Cap
(2 places)



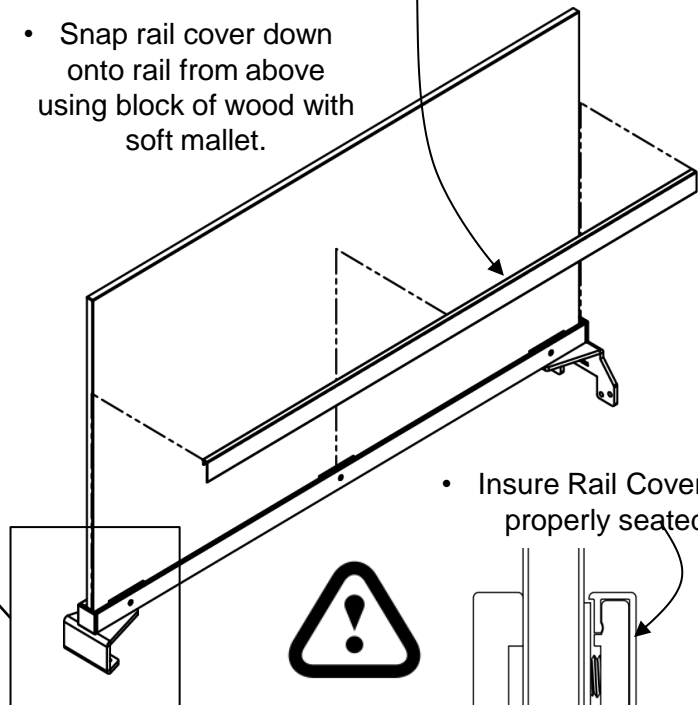
- If necessary, shave excess paint on tabs to insure end cap is properly seated.

Rail Cover Installation



- Snap rail cover down onto rail from above using block of wood with soft mallet.

Rail Cover

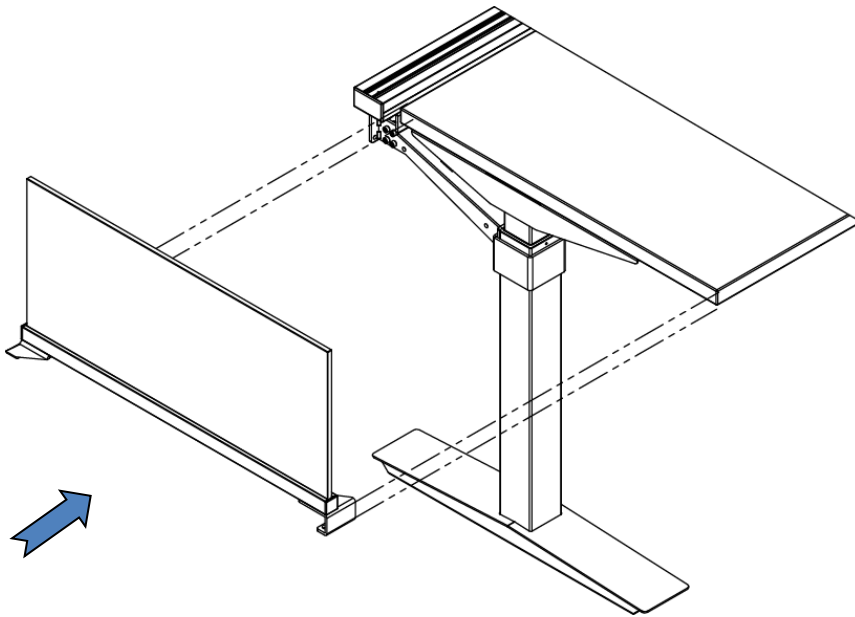


- Insure Rail Cover is properly seated

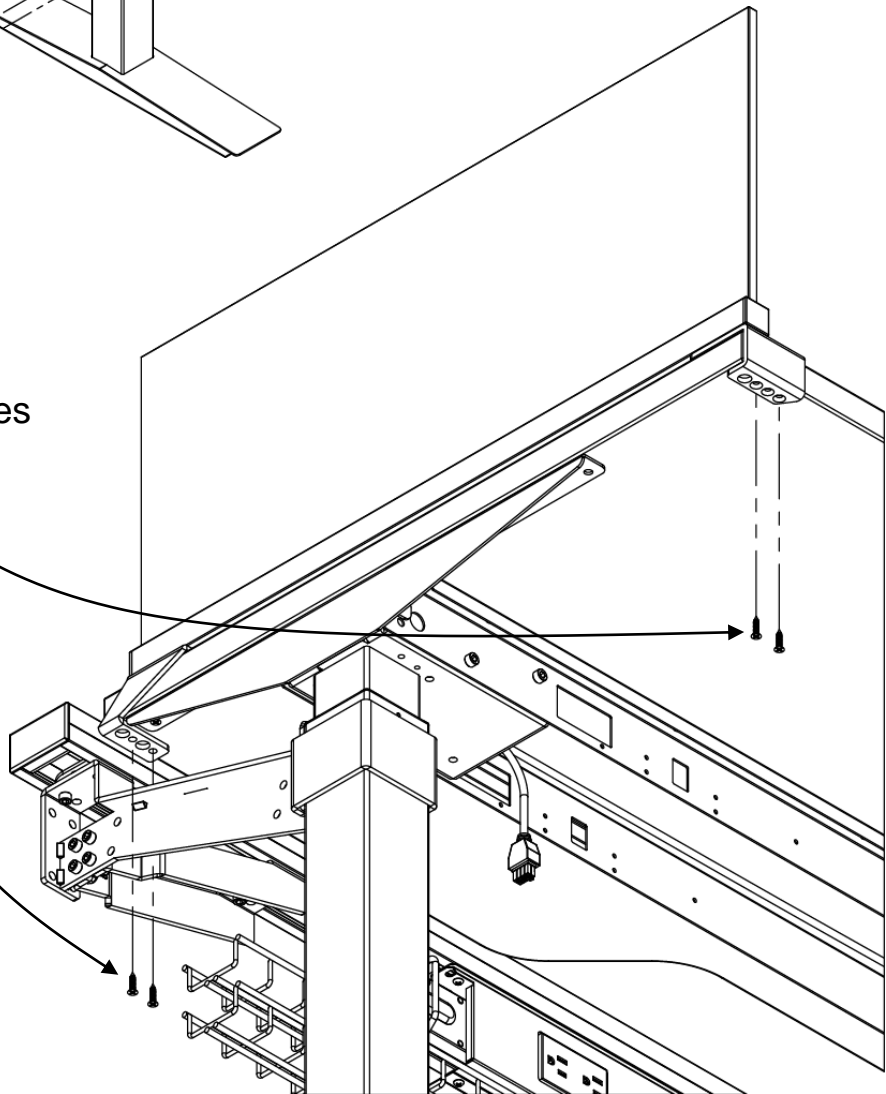


Aloft 120 Installation

Left or Right Screen Install
(same for glass or framed)

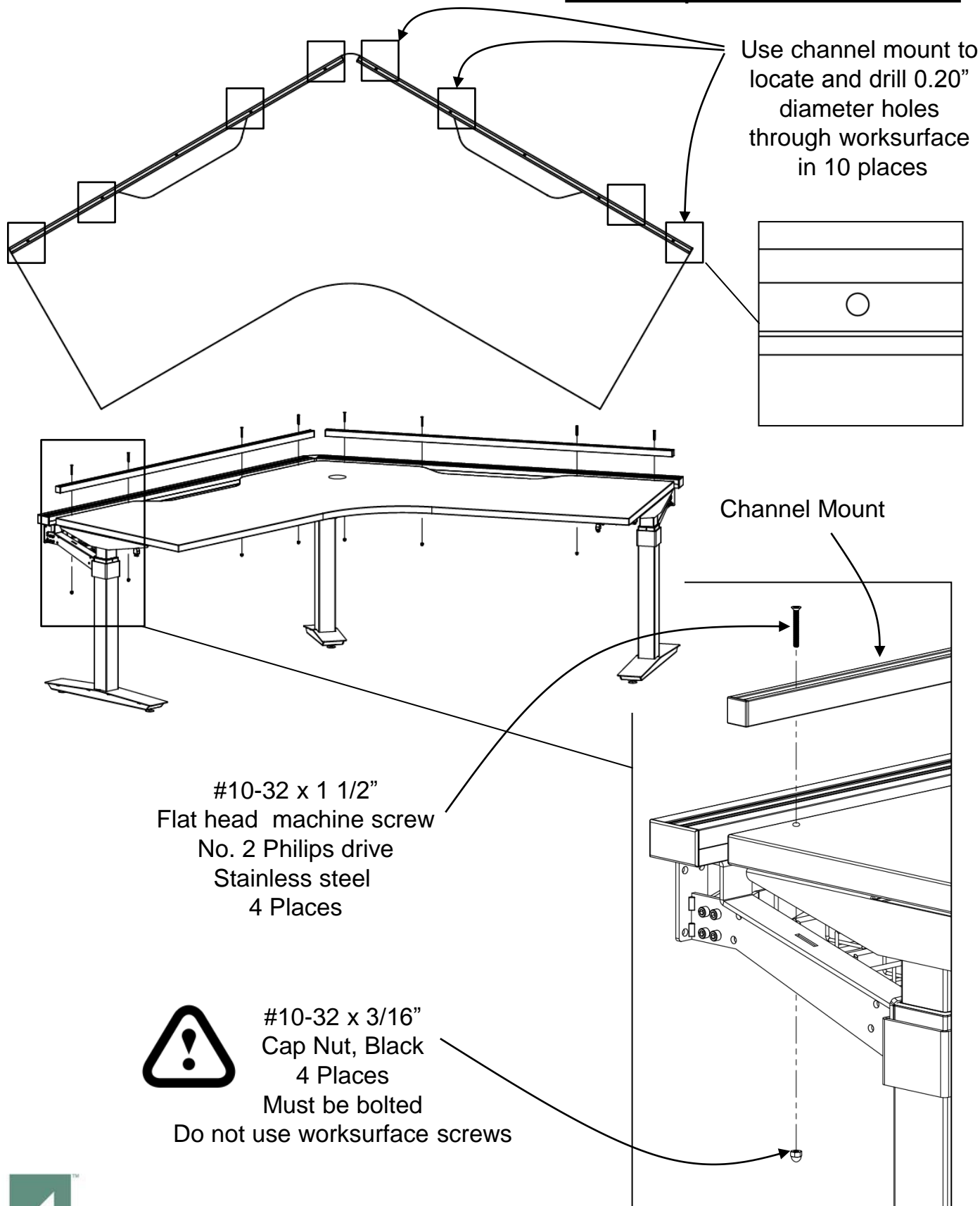


Flat Head Wood Screw
#9 x 7/8" long Phillips
Drive #2, silver, 10 places



Aloft 120 Installation

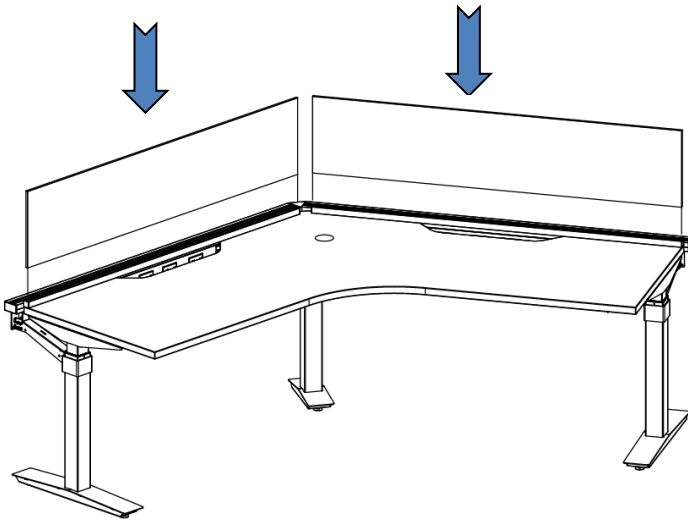
Glass Spine Screen Install



Aloft 120 Installation

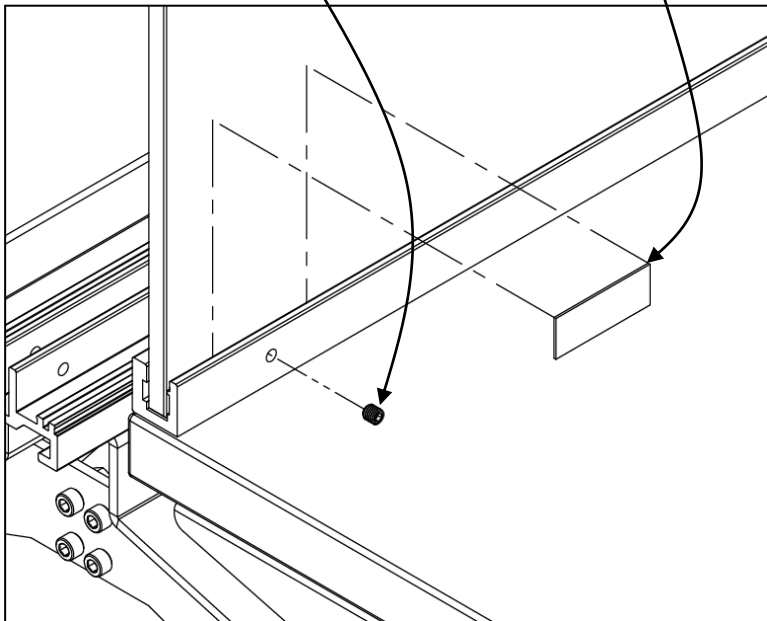
Glass Spine Screen Install

Install Glass into Channel Mount



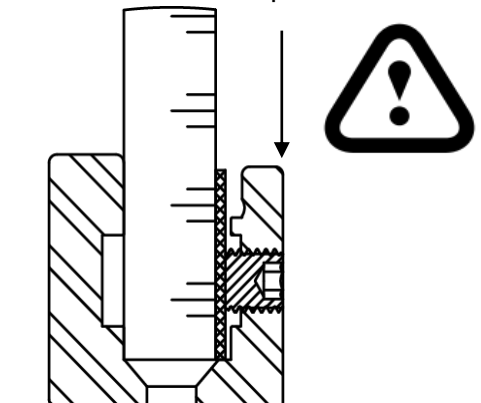
Set Screw
 $\frac{1}{4}$ -28 x $\frac{1}{4}$ "
3 places

Polycarbonate
Spacer 3 places



- Insert polycarbonate spacers (3 places) down in between glass screen and rail so that the spacer is located on the side directly behind the set screw holes.
- Install set screws (3 places), tightening to polycarbonate spacers. Check to insure set screw is not touching the glass surface and is flush or below the rail surface. (see image below)
- Glass screen should be secure to rail with no wobble.

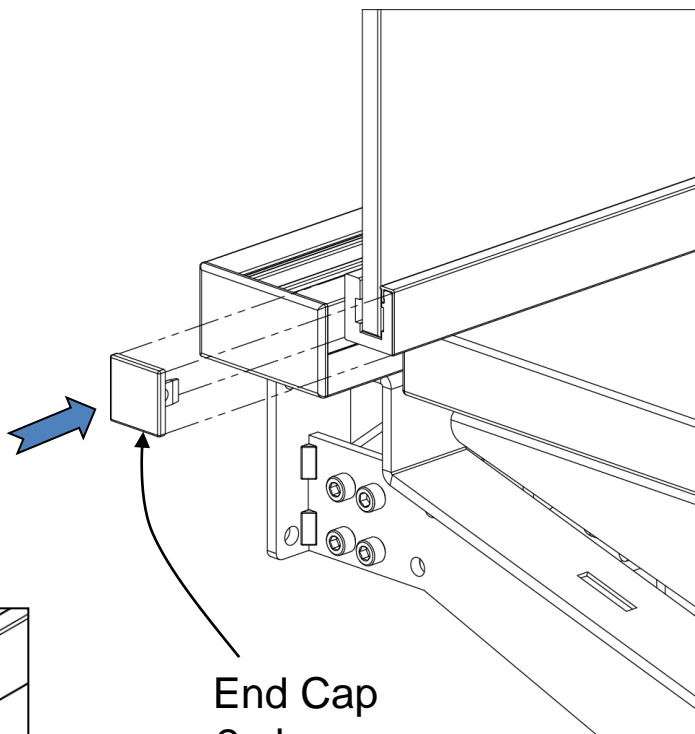
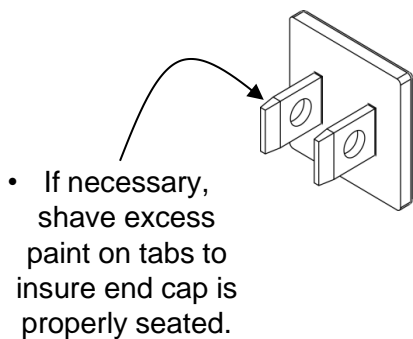
Flush surface
required



Aloft 120 Installation

Glass Spine Screen Install

End Cap Installation

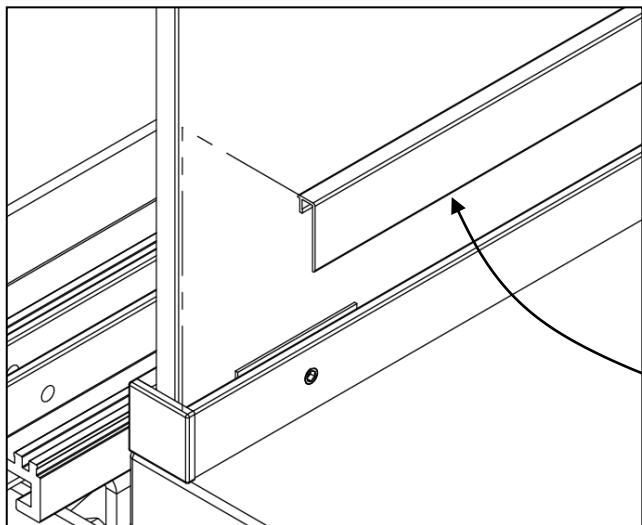


End Cap
2 places

- Tap gently using soft mallet until end cap is properly seated. DO NOT break tabs.

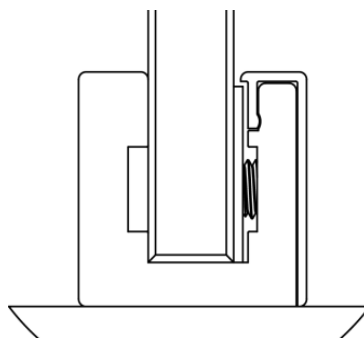
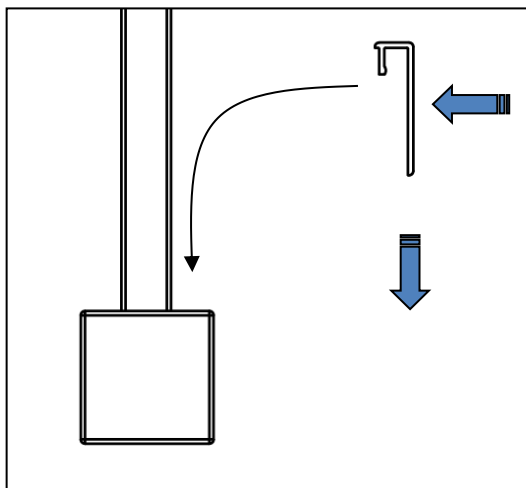


Rail Cover Installation



Rail Cover

- Snap rail cover down onto rail from above using block of wood with soft mallet.



- Insure Rail Cover is properly seated

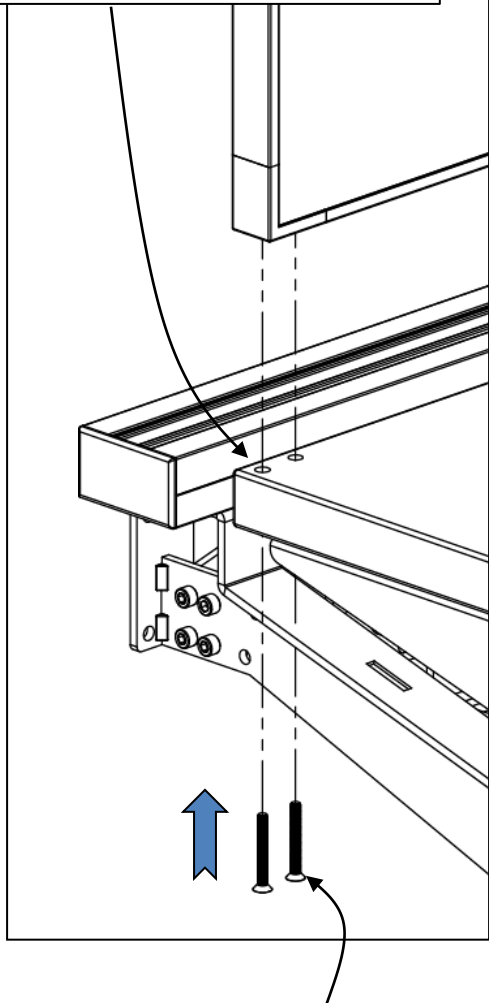
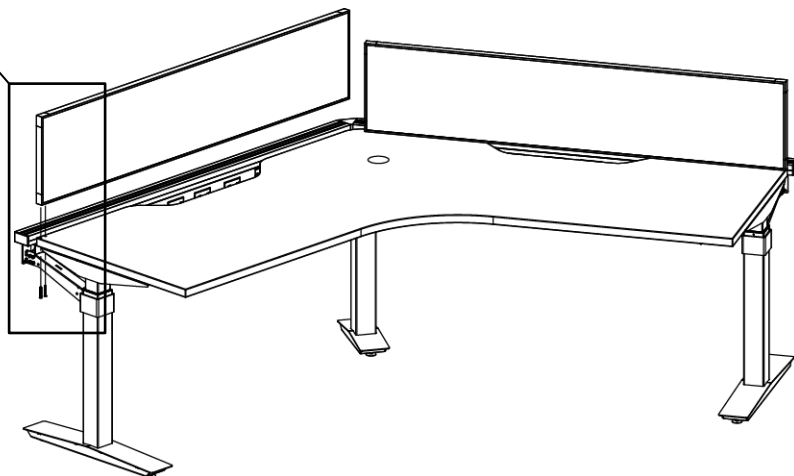


Aloft 120 Installation

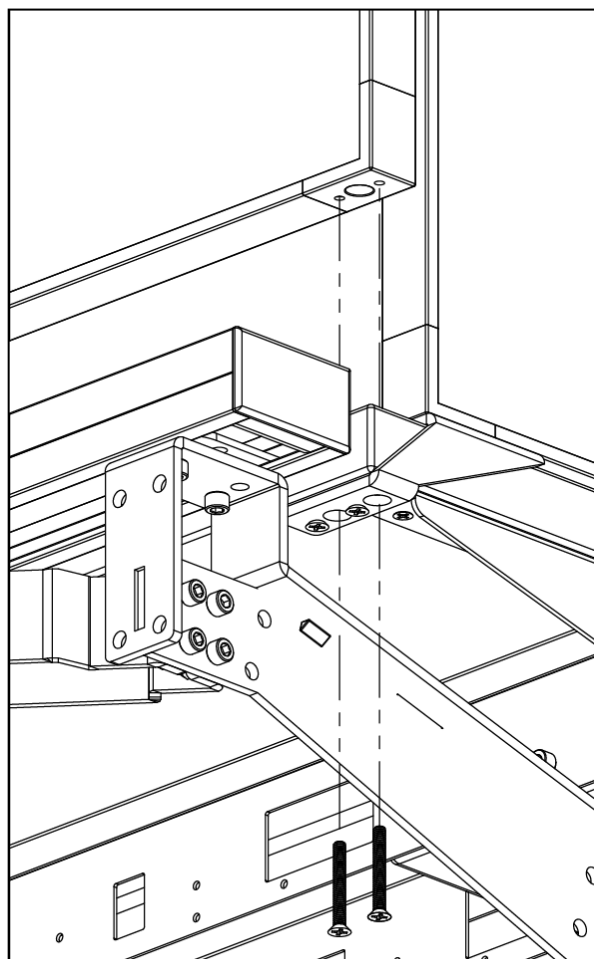
Tackable Spine Screen Install



Drill 0.20" diameter holes
through worksurface
in 4 places



#10-32 x 1 1/2"
Flat head machine screw
No. 2 Philips drive
Stainless steel
4 Places



When both territory and spine
screens are required, attach territory
screen first. Then install spine screen,
using through holes in territory screen
bracket

Aloft 120 Installation

*****SAVE THESE INSTRUCTIONS*****