

Aloft 120 - 2019

*****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

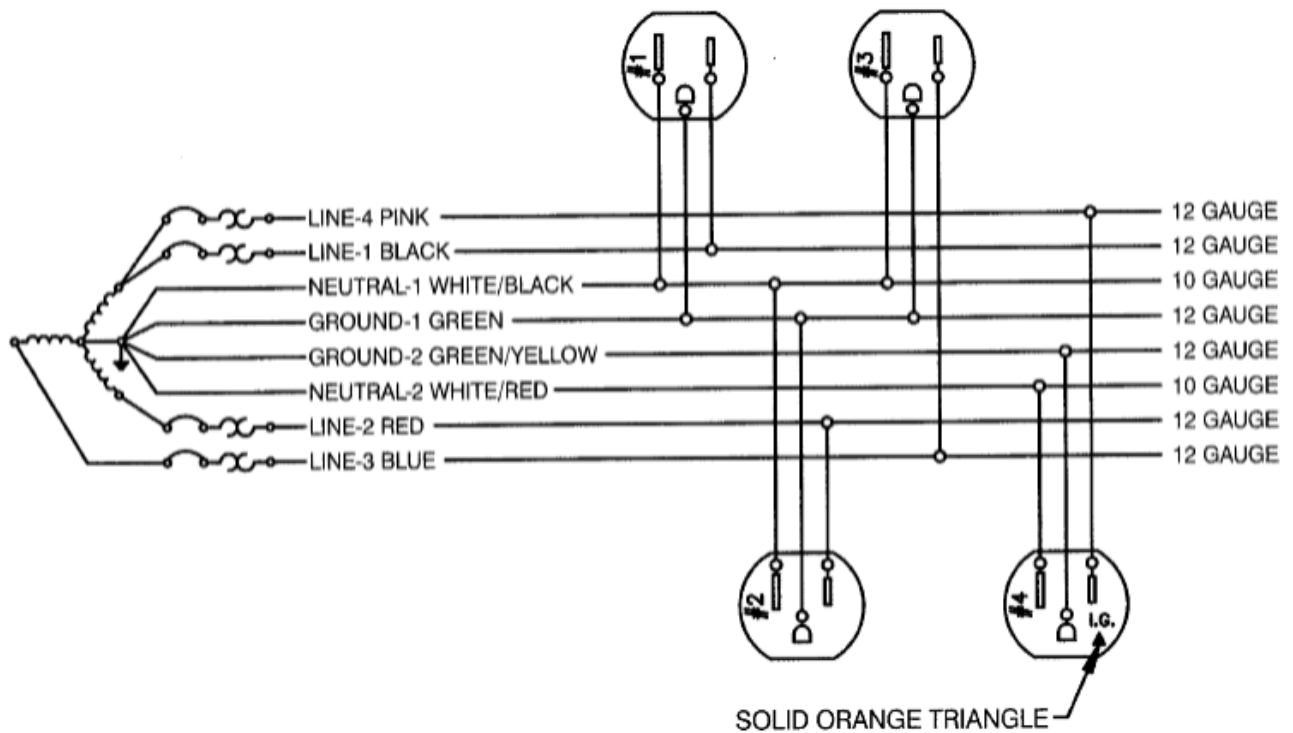
DANGER – To reduce risk of electric shock:

- Always unplug furnishing from the electrical outlet before cleaning.

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

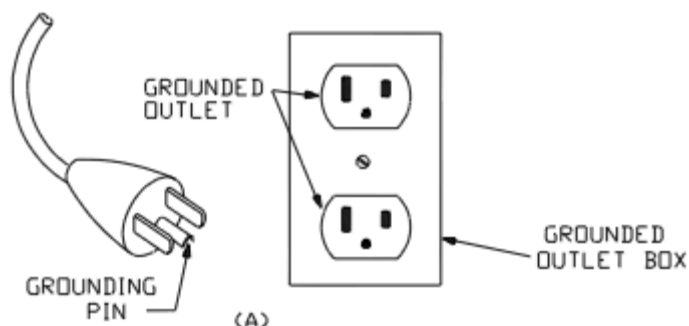
- Unplug from outlet before putting on or taking off parts.
- Close supervision is necessary when this furnishing is used by, or near children, invalids or disabled persons.
- Use this furnishing only for its intended use as described in these instructions. Do not use attachments not recommended by the 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

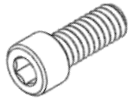




Flat head wood screw #9 x 7/8 long with #2 Phillips drive, silver
Used to attach surfaces and end panels



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.



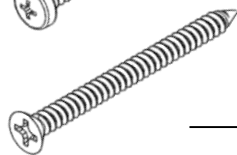
Pan head machine screw 8-32 x 1/4" long with #2 Phillips drive, silver.
Used with acorn nuts to attach powerpole.



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.

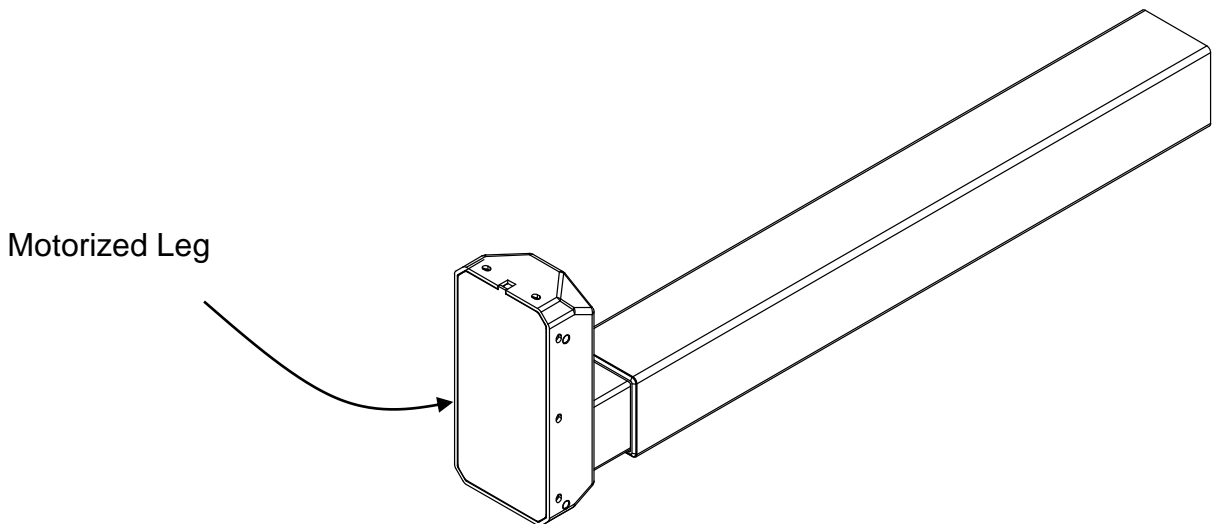
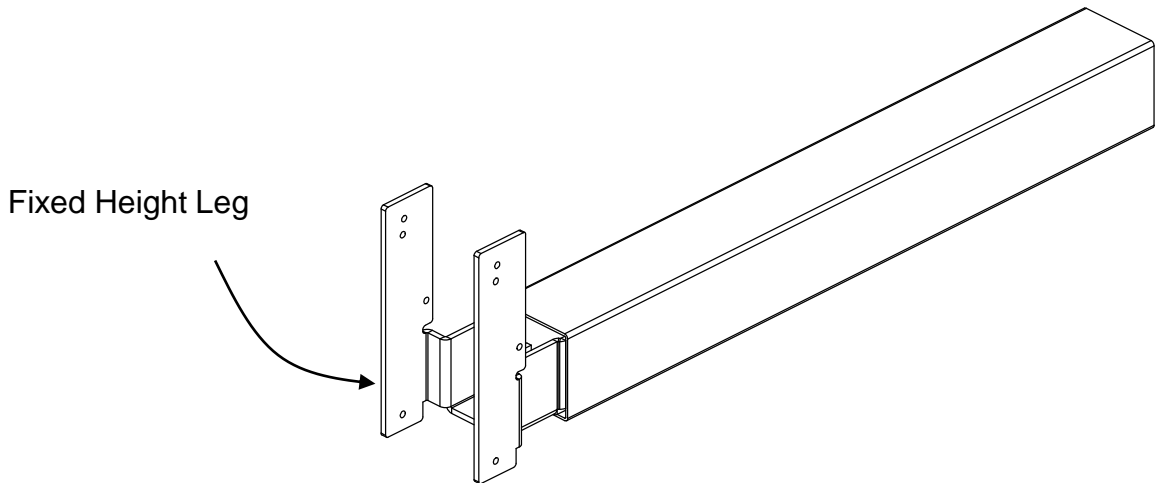


Flat head sheet metal screw #10 x 3/4" long with #2 Phillips drive, silver. Used to mount items to laminate storage cabinets.

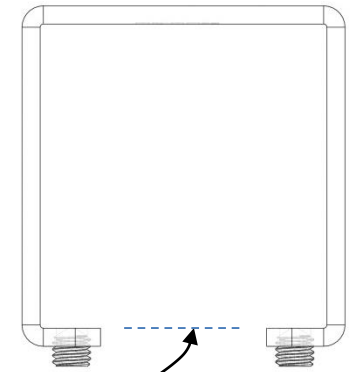
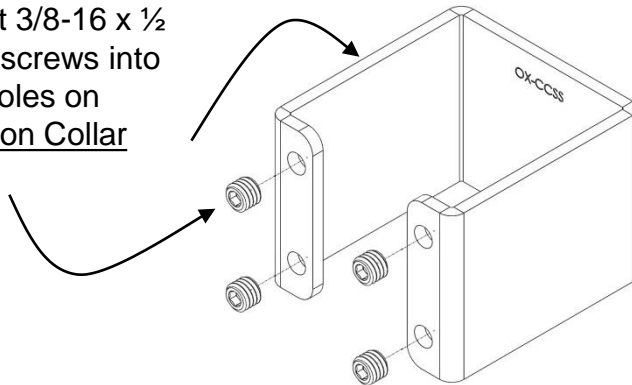
Date	Page No.	Description of change	Name
2/11/19	1-49	Released	S. Powers
3/7/19	49-54	Added modesty and end panel instructions	S. Powers

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.

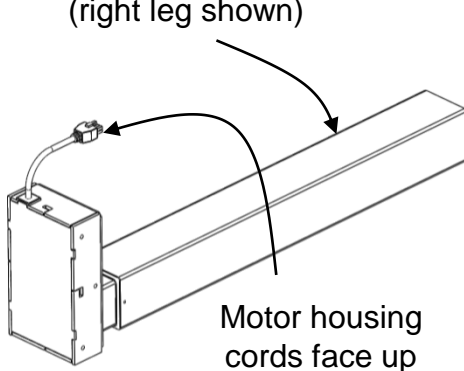


Partially insert 3/8-16 x 1/2 inch long set screws into tapped holes on Compression Collar

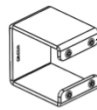


Make sure set screw tips **DO NOT** protrude past inside wall of collars.

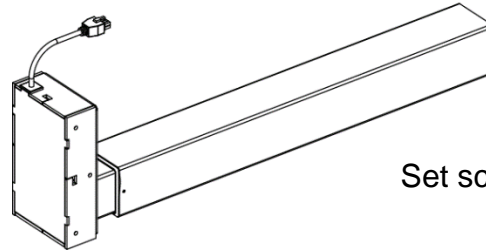
Motorized, Crank or Fixed Height Leg
(right leg shown)



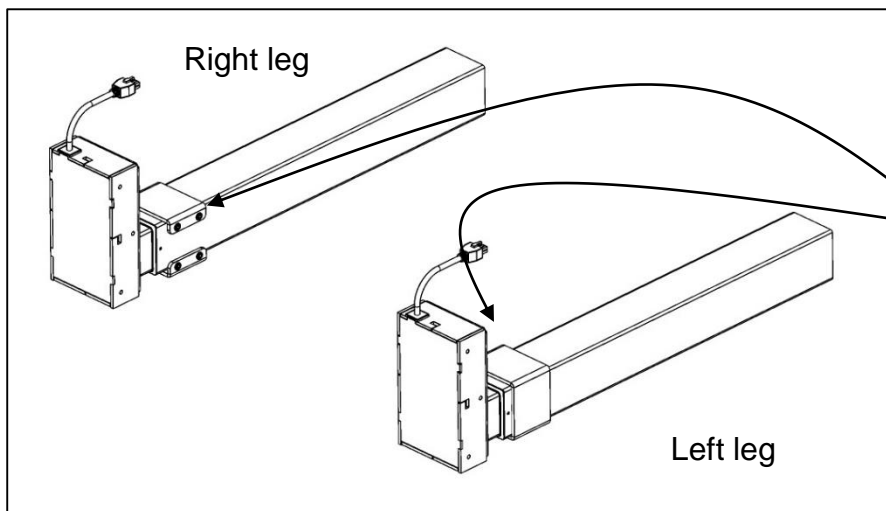
Motor housing cords face up



Set screws face in for end legs.



Set screws face out for center leg

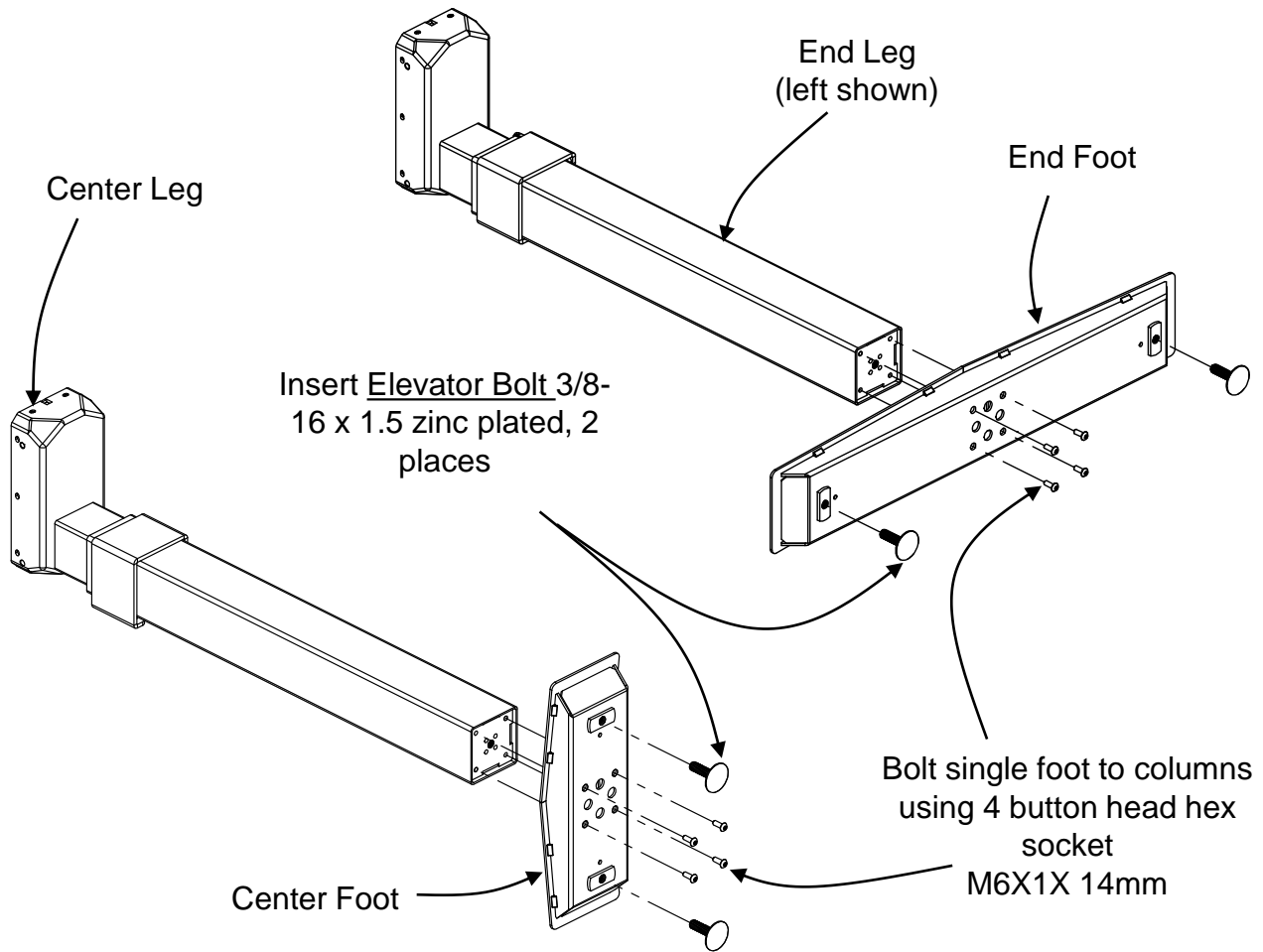


Right leg

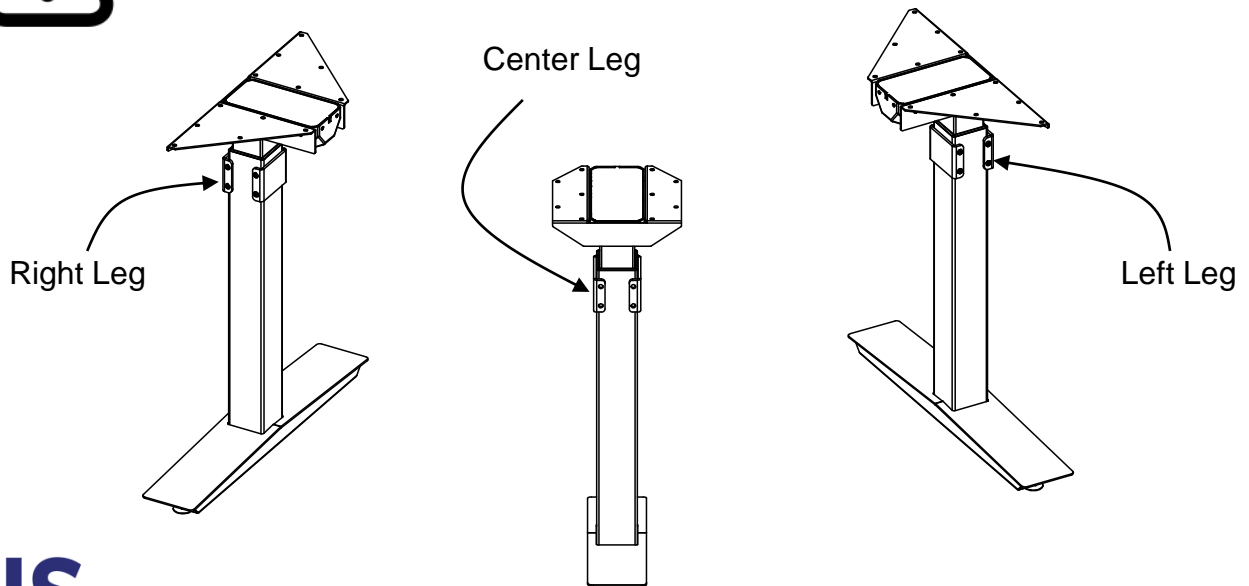
Left leg

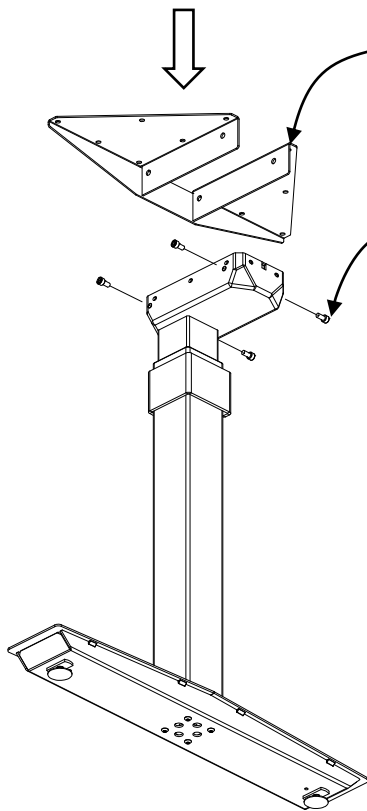


Slide compression collar over base column to top, set screws facing as shown. Be careful not to scratch base columns.



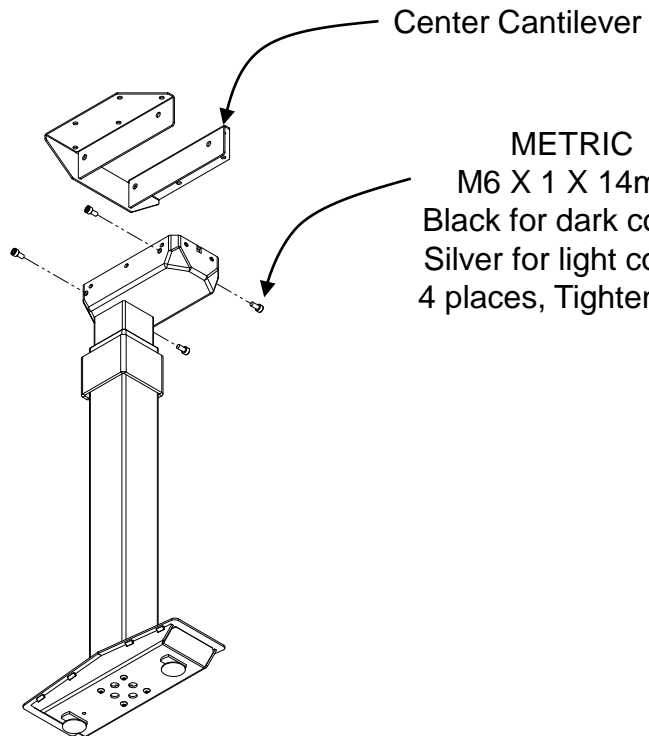
Assemble feet to columns so that set screws in the collar are facing as shown





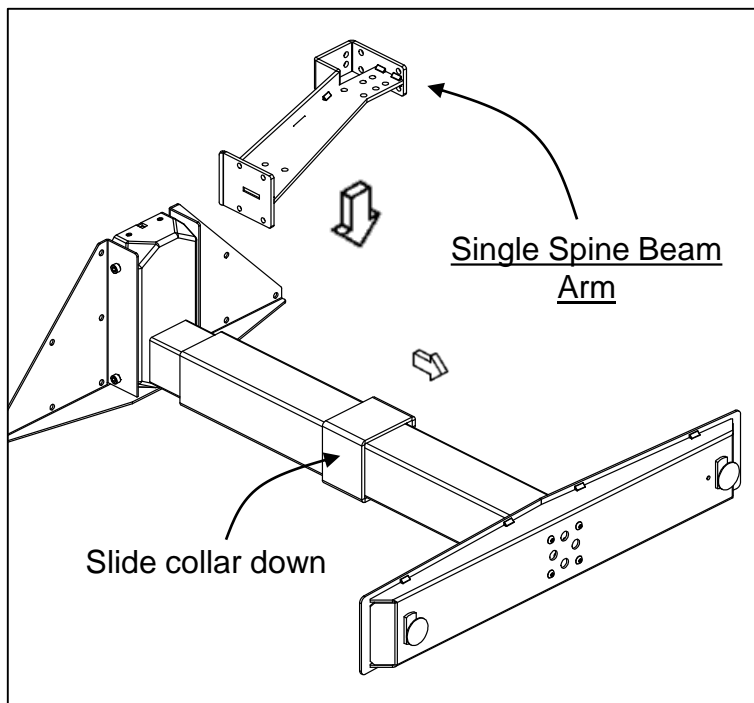
End Cantilever

METRIC
M6 X 1 X 14mm
Black for dark colors,
Silver for light colors,
4 places, Tighten fully

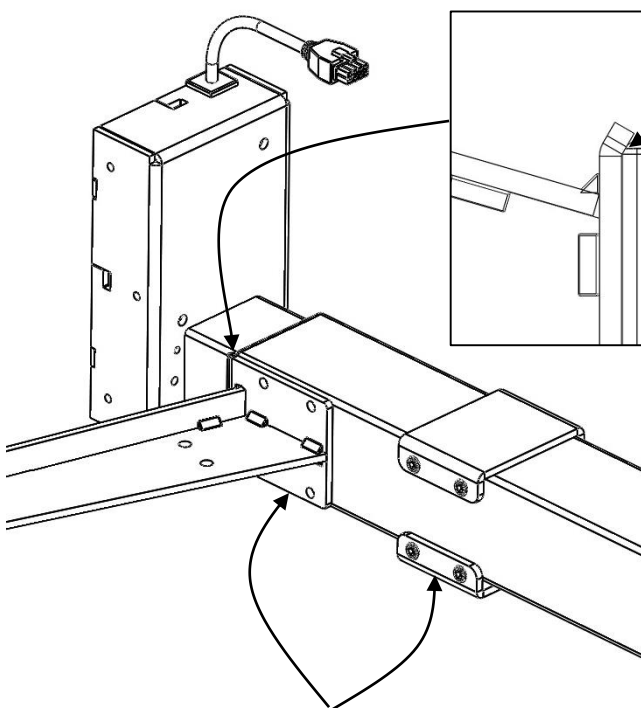
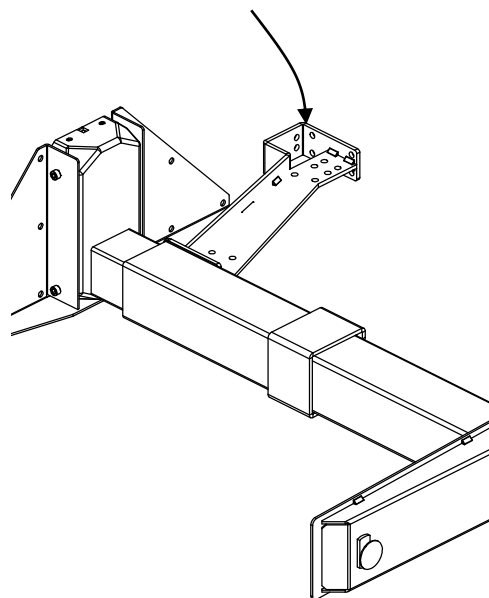


Center Cantilever

METRIC
M6 X 1 X 14mm
Black for dark colors,
Silver for light colors,
4 places, Tighten fully



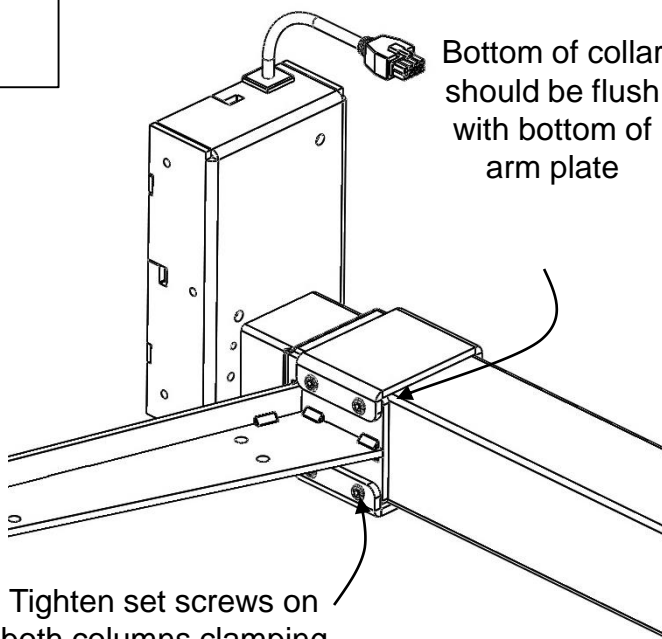
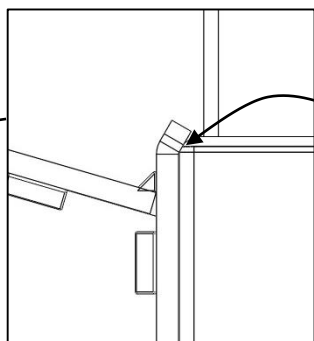
Position arm assembly down onto column.



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

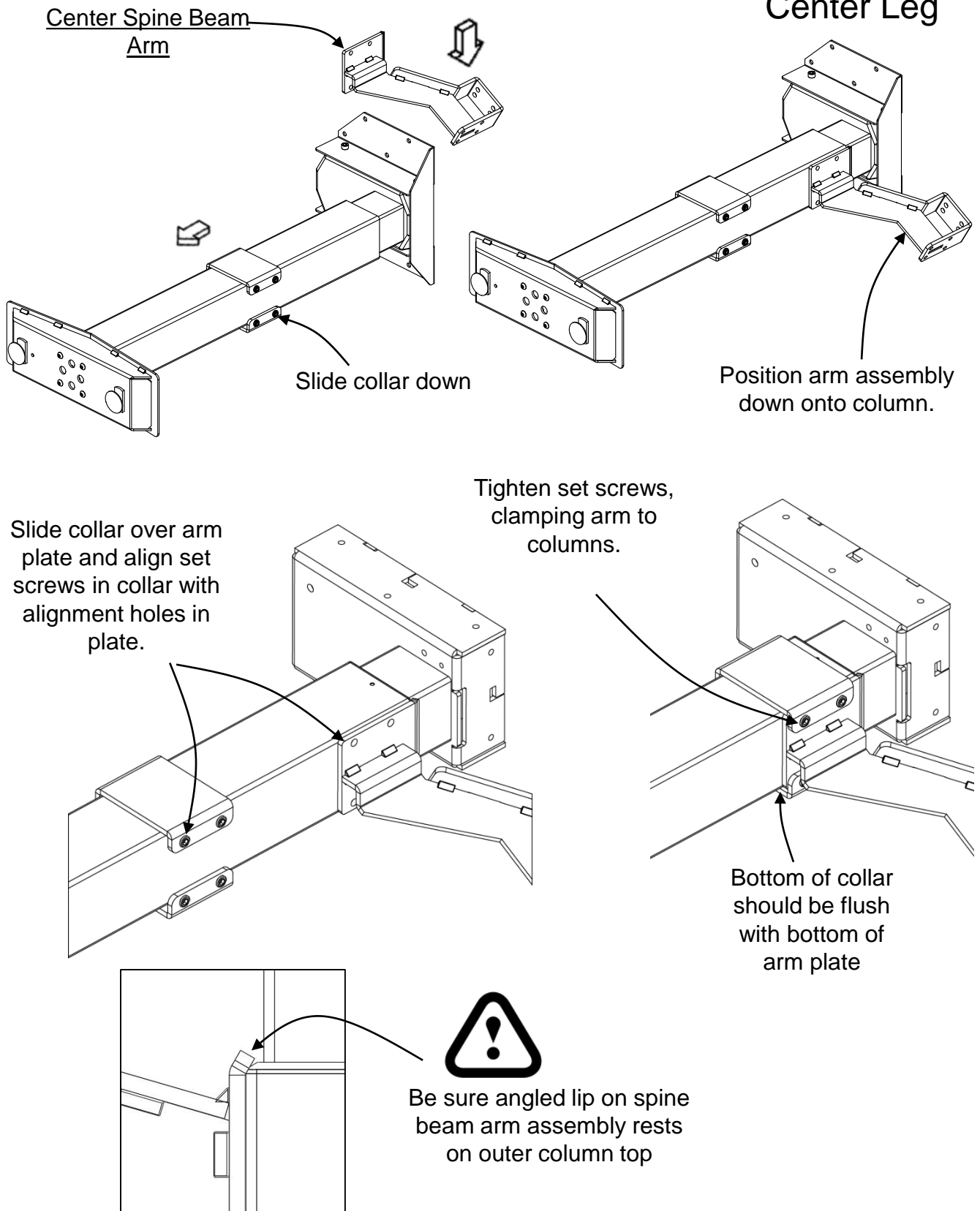


Bottom of collar should be flush with bottom of arm plate

Tighten set screws on both columns clamping arm to columns.

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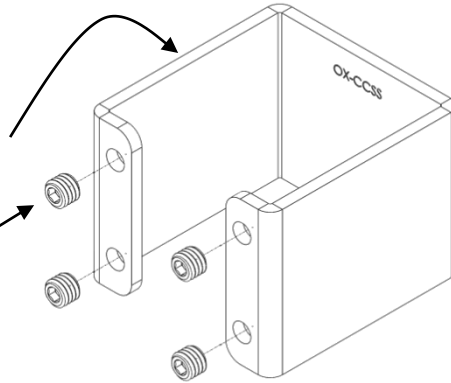
Single/Double/Triple Bench Center Leg



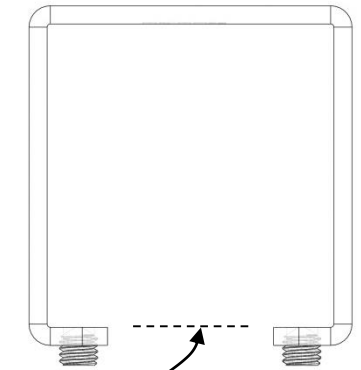
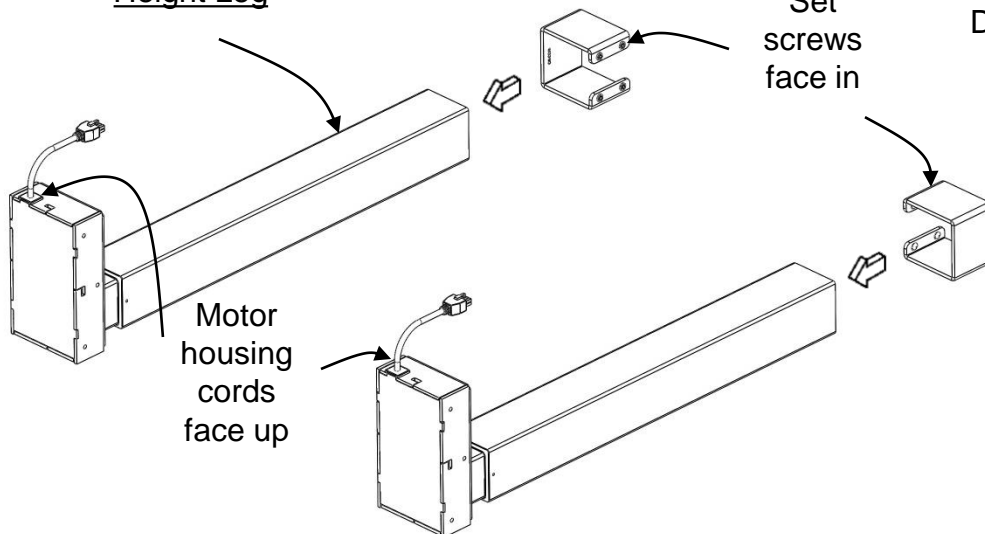
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Double/Triple Bench Base Assembly

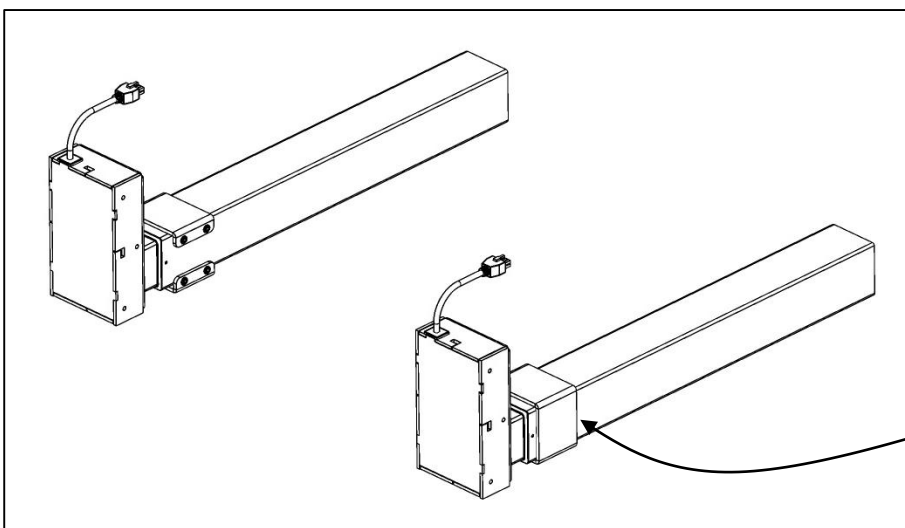
Partially insert 3/8-16 x 1/2
inch long set screws into
tapped holes on
Compression Collar



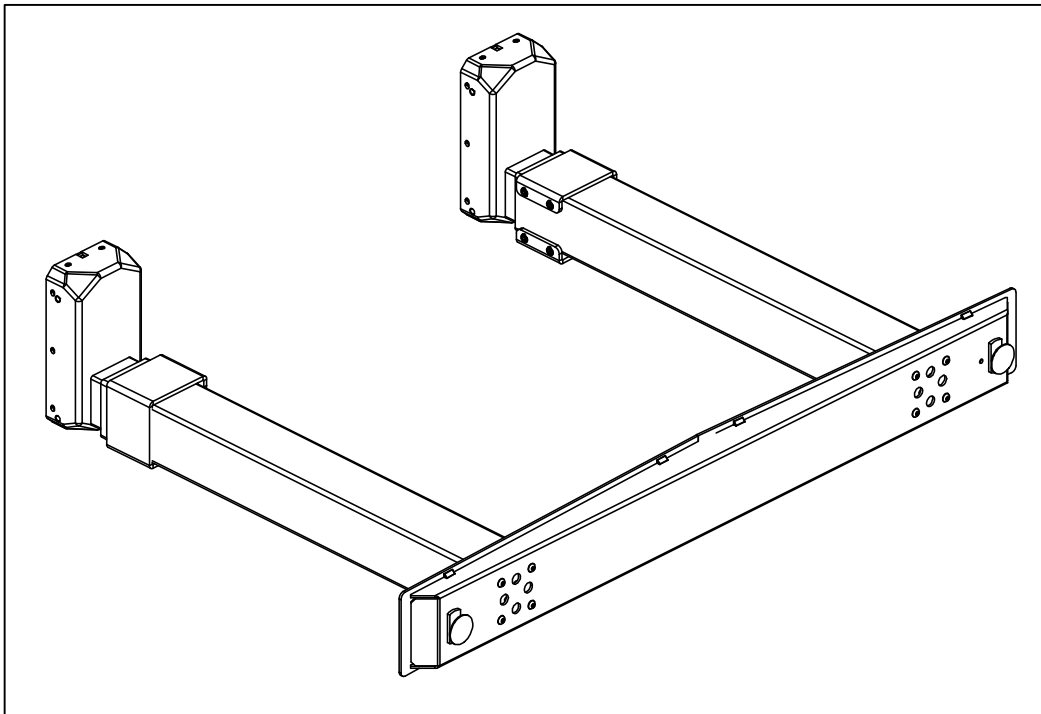
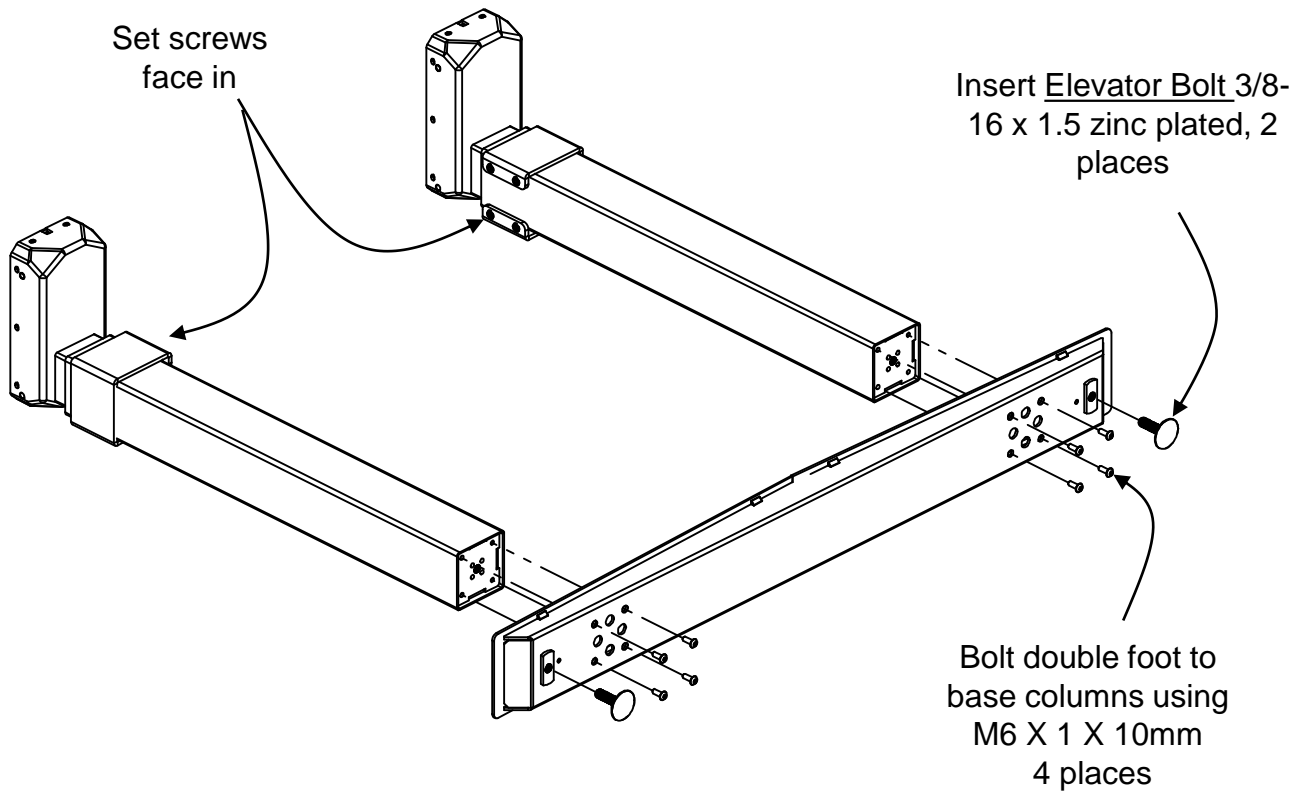
Motorized, Crank or Fixed
Height Leg

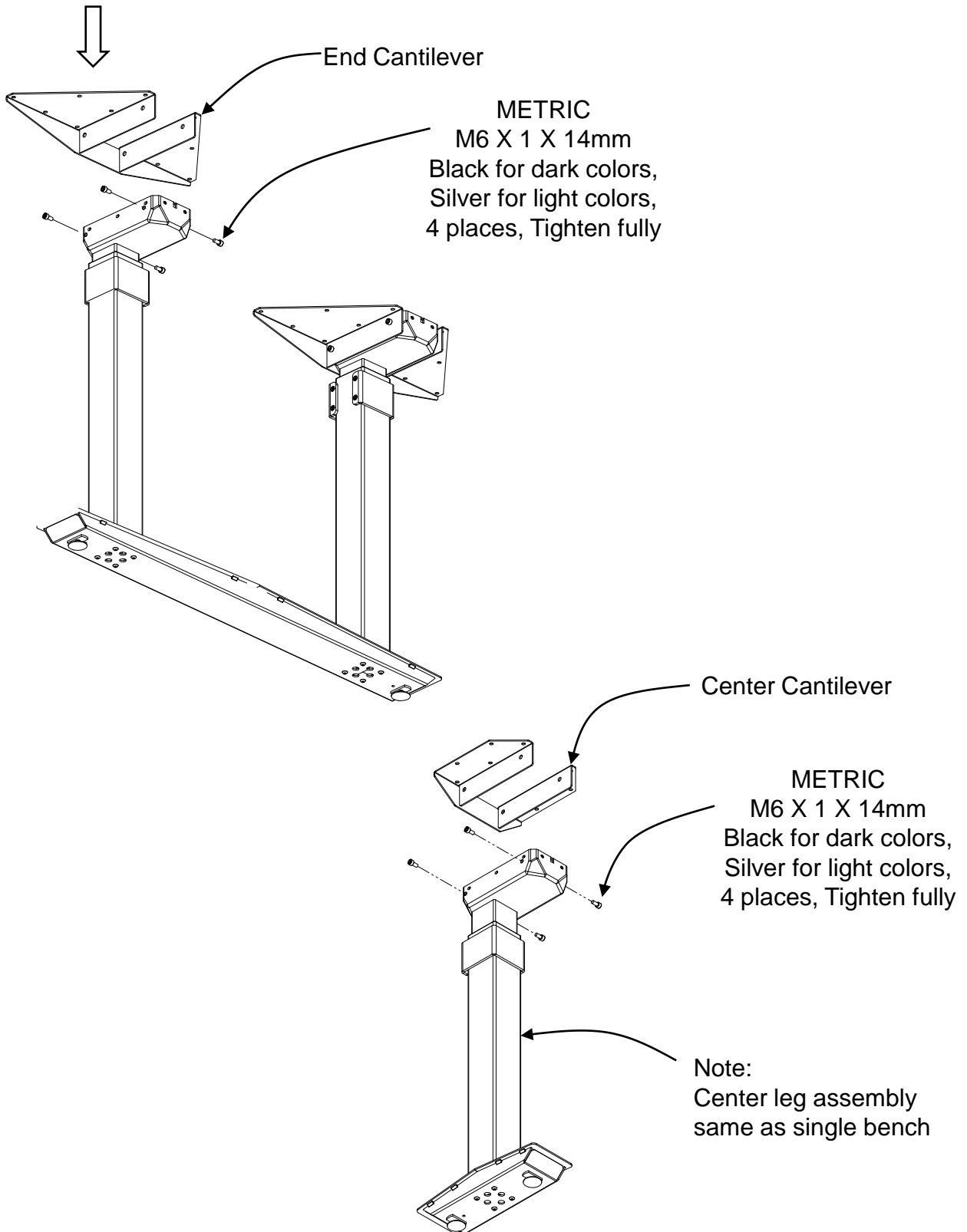


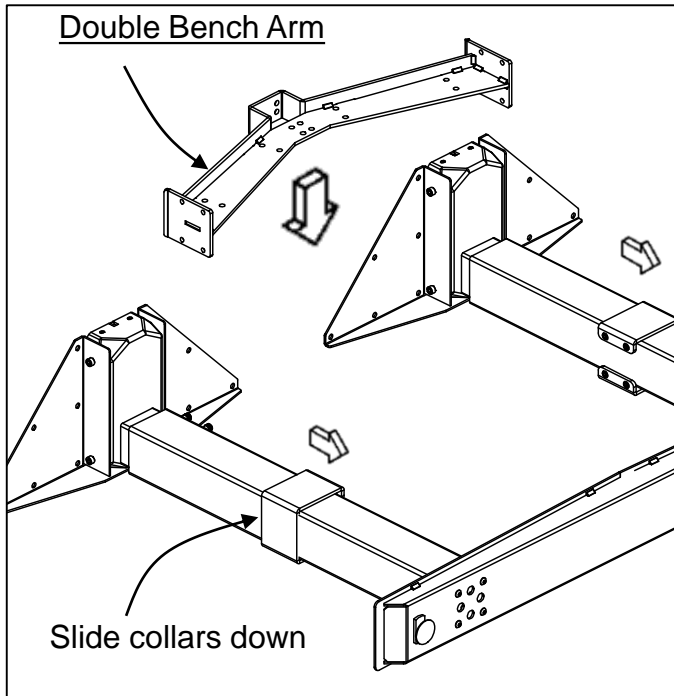
Make sure set screw tips
DO NOT protrude past
inside wall of collars.



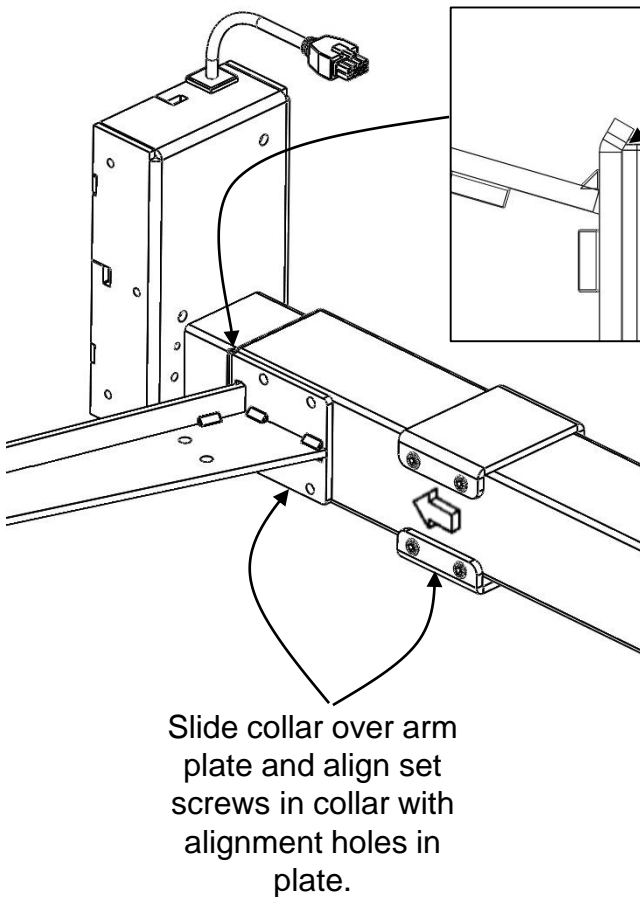
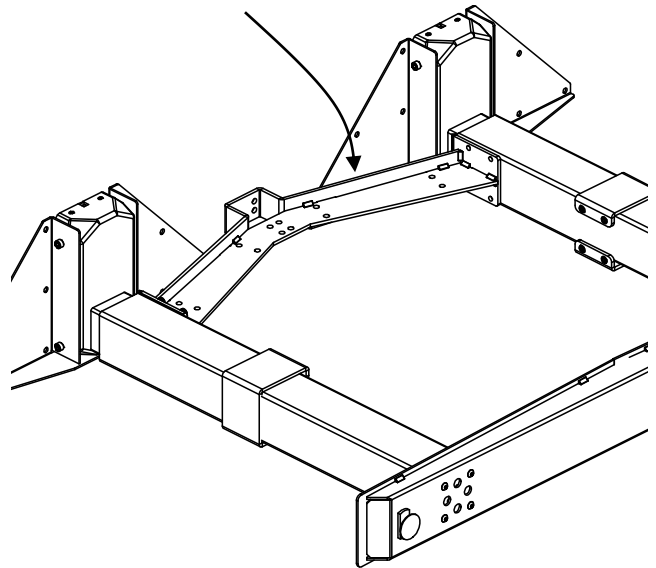
Slide compression collars
over base columns to top,
set screws facing as
shown. Be careful not to
scratch base columns.



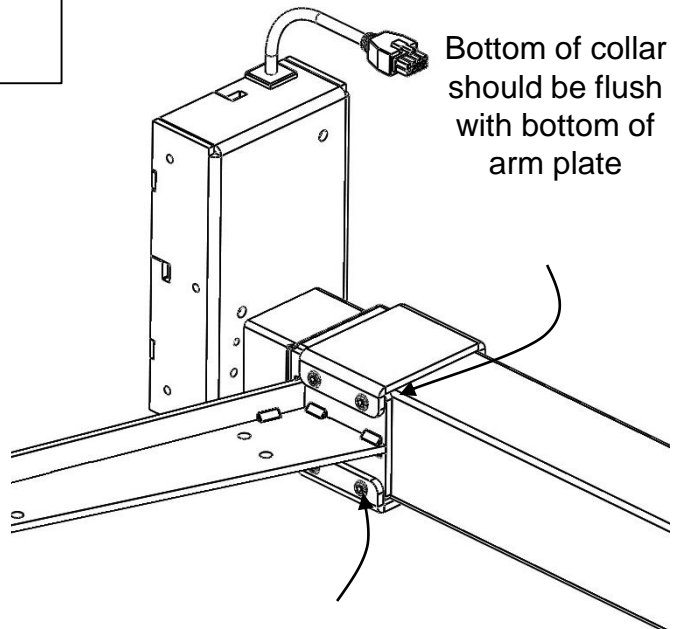


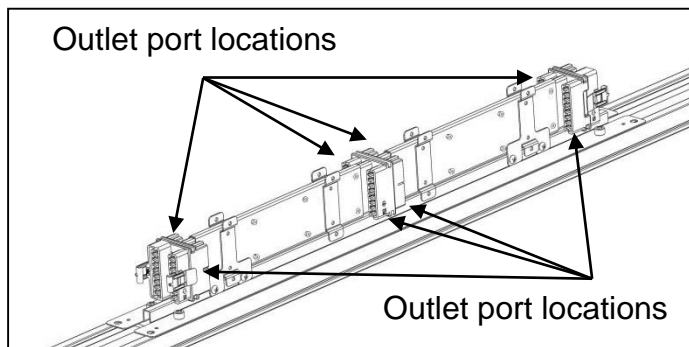


Slide arm assembly down in between columns.



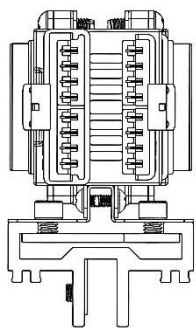
Be sure angled lip on spine beam arm assembly rests on outer column top on both columns





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



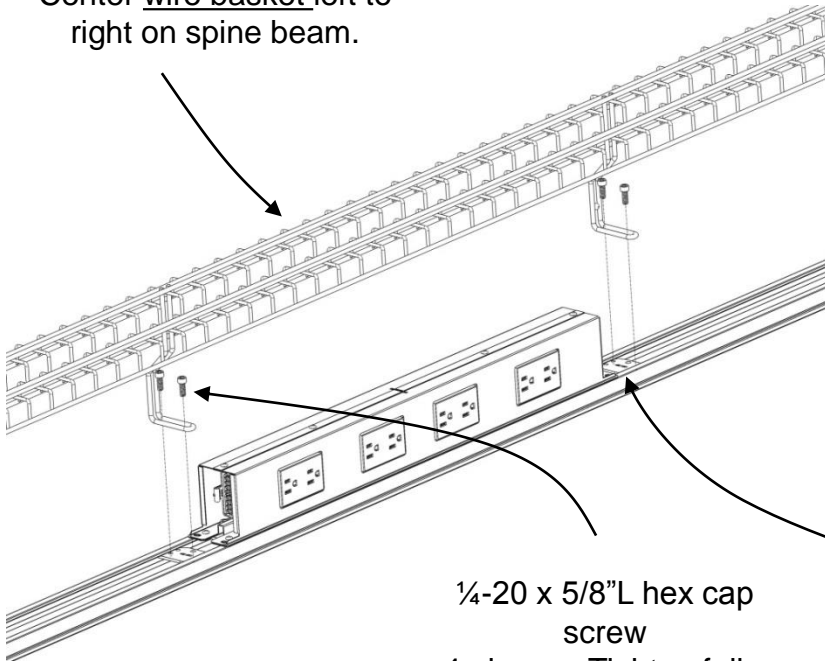
Insert numbered outlets
per plan, engaging left or
right as shown. Then
screw outlets to powerway
to secure.

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

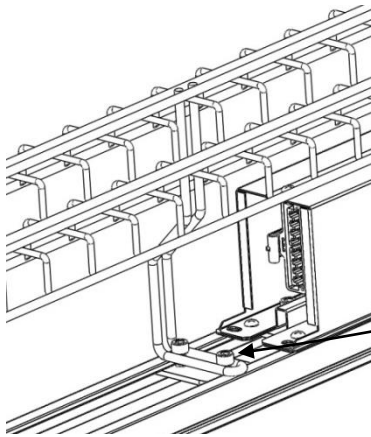
Note: Overlap flanges
such that small holes
are "behind" big holes.



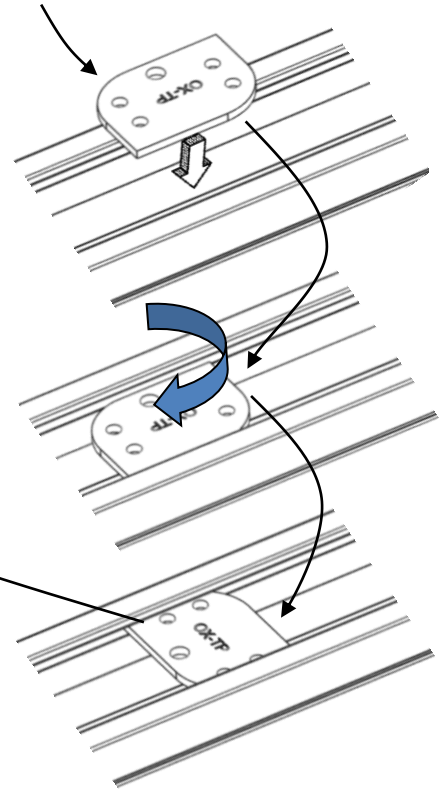
Center wire basket left to right on spine beam.



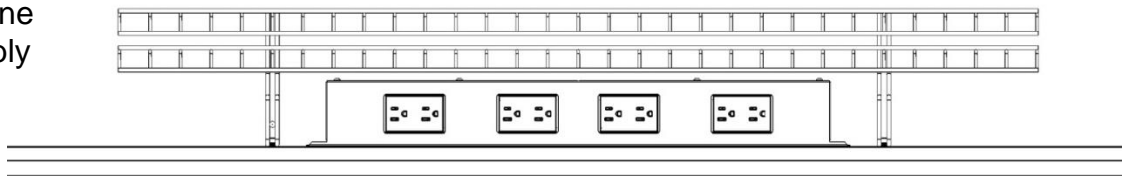
$\frac{1}{4}$ -20 x $\frac{5}{8}$ "L hex cap screw
4 places. Tighten fully.

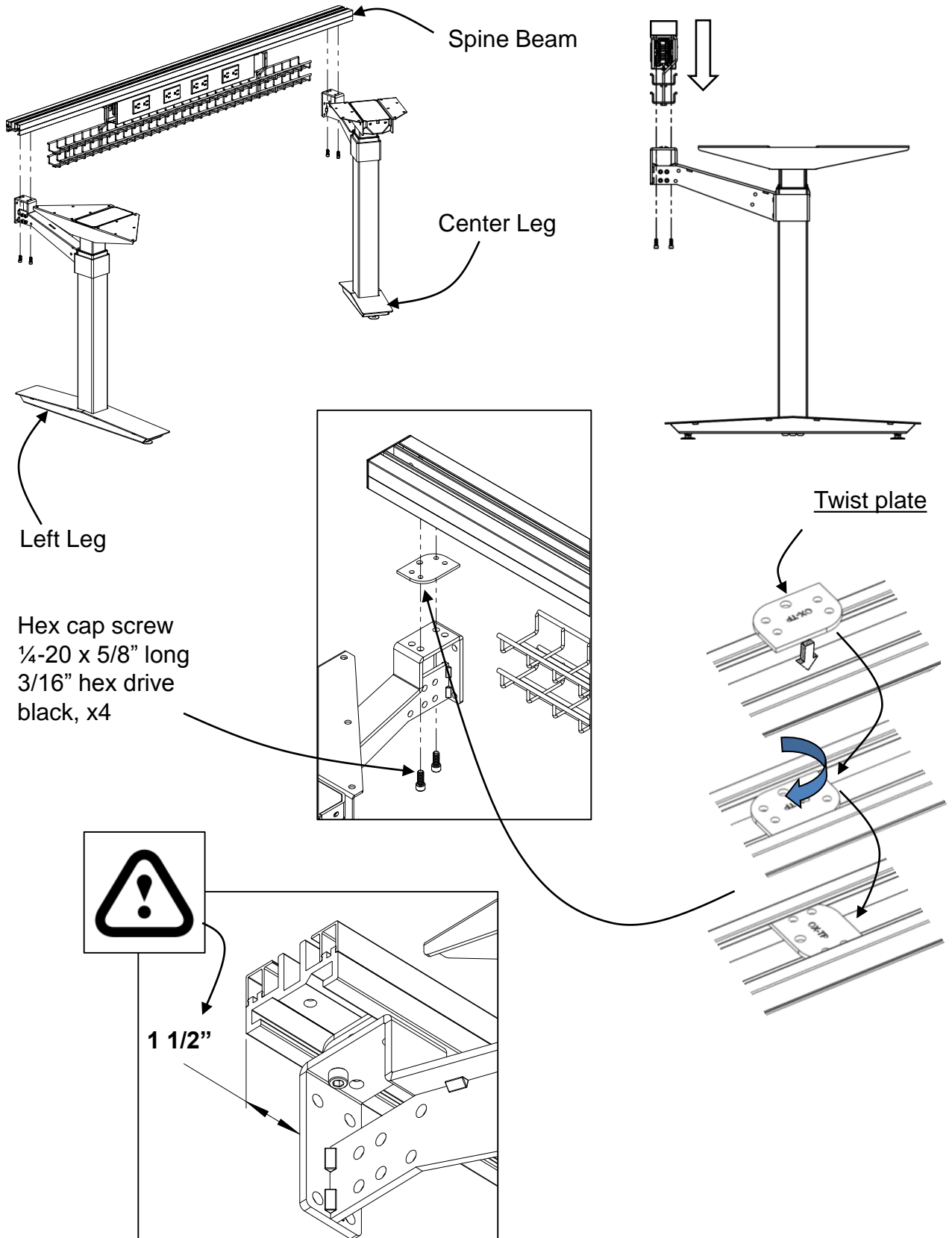


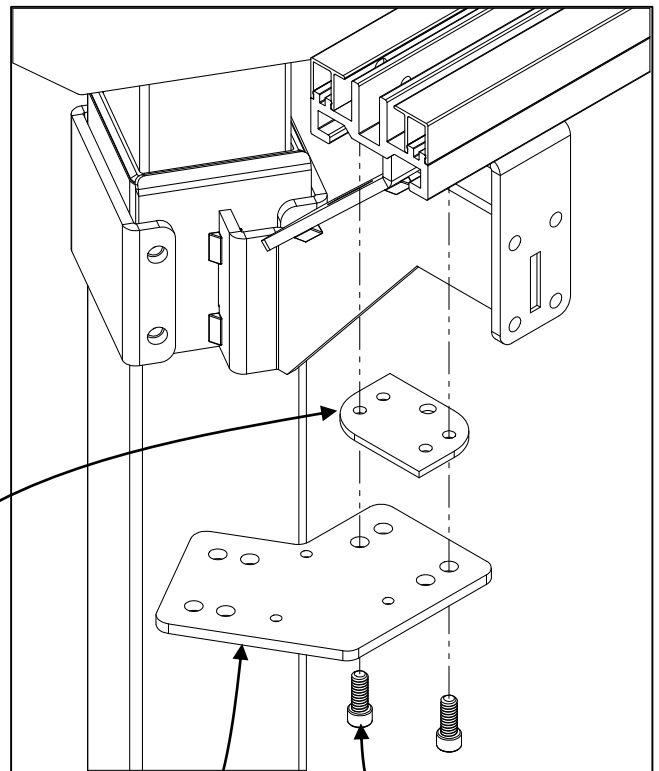
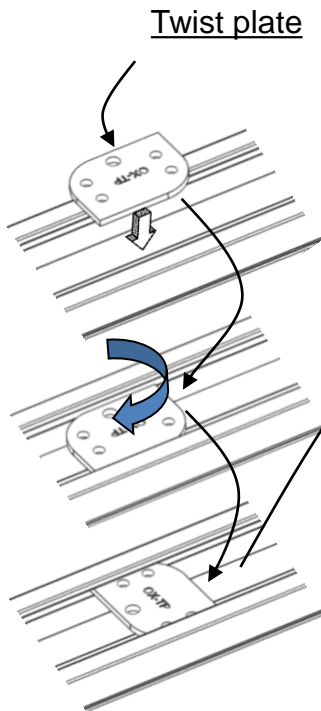
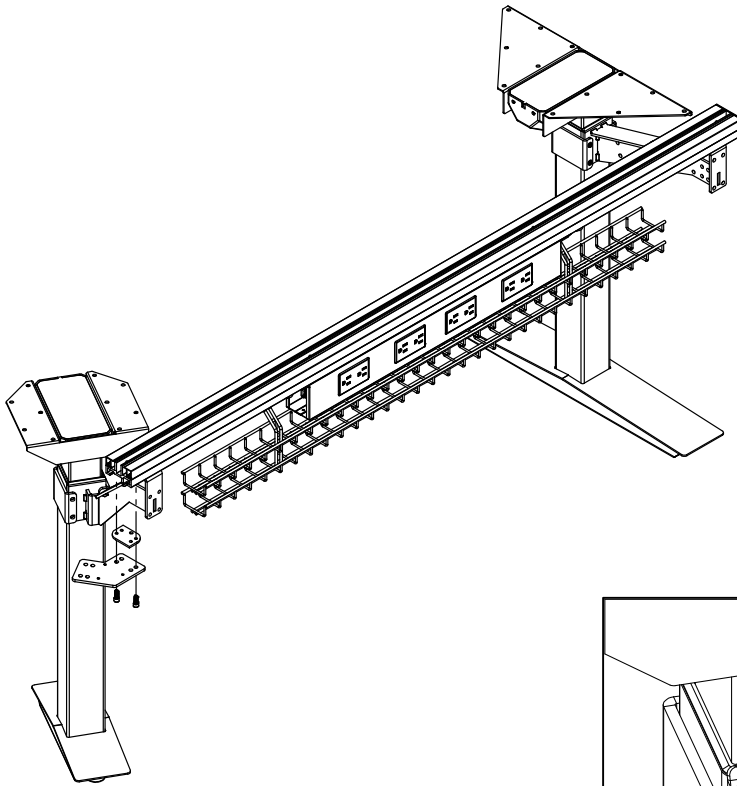
Twist plate



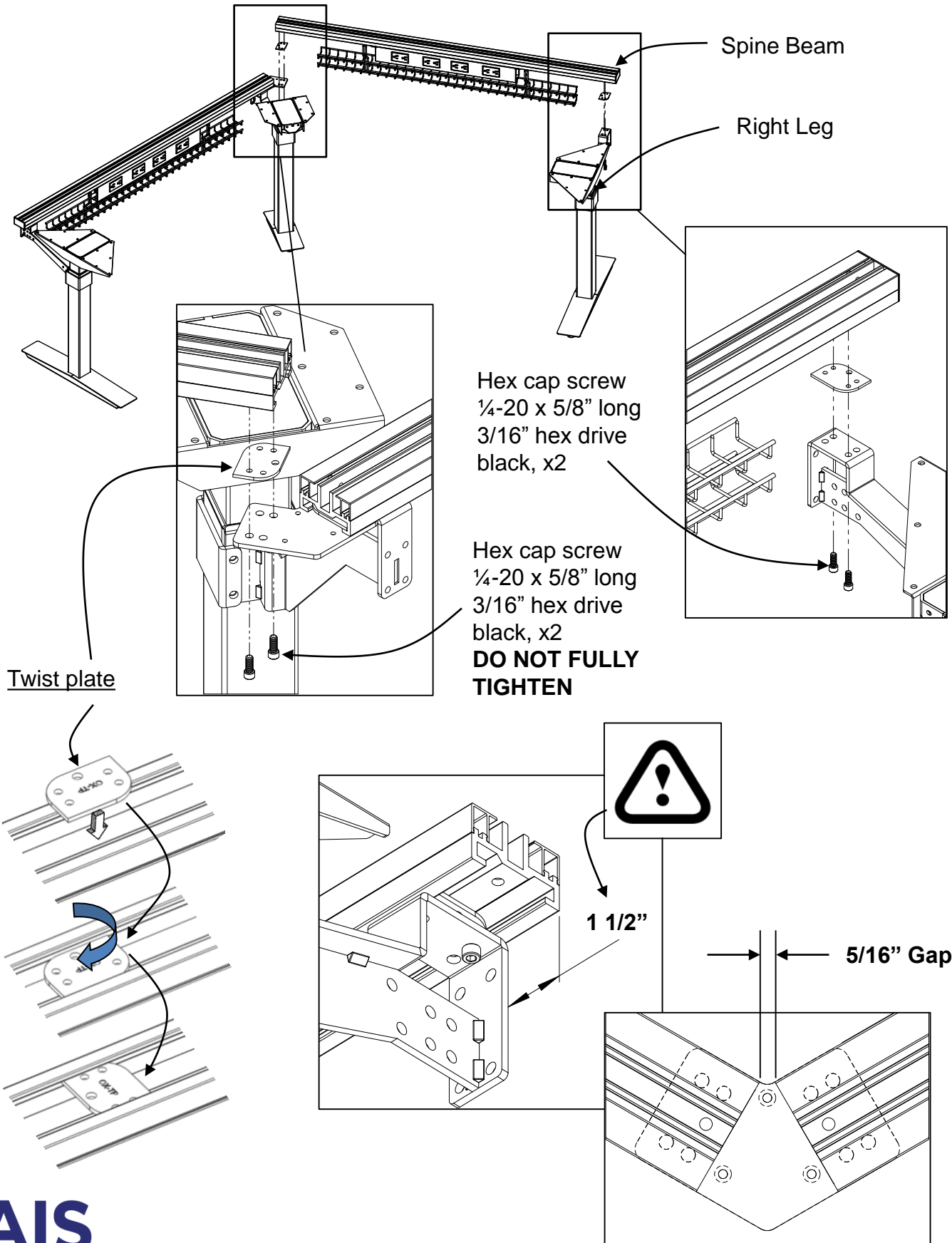
36w - 96w spine
beam assembly

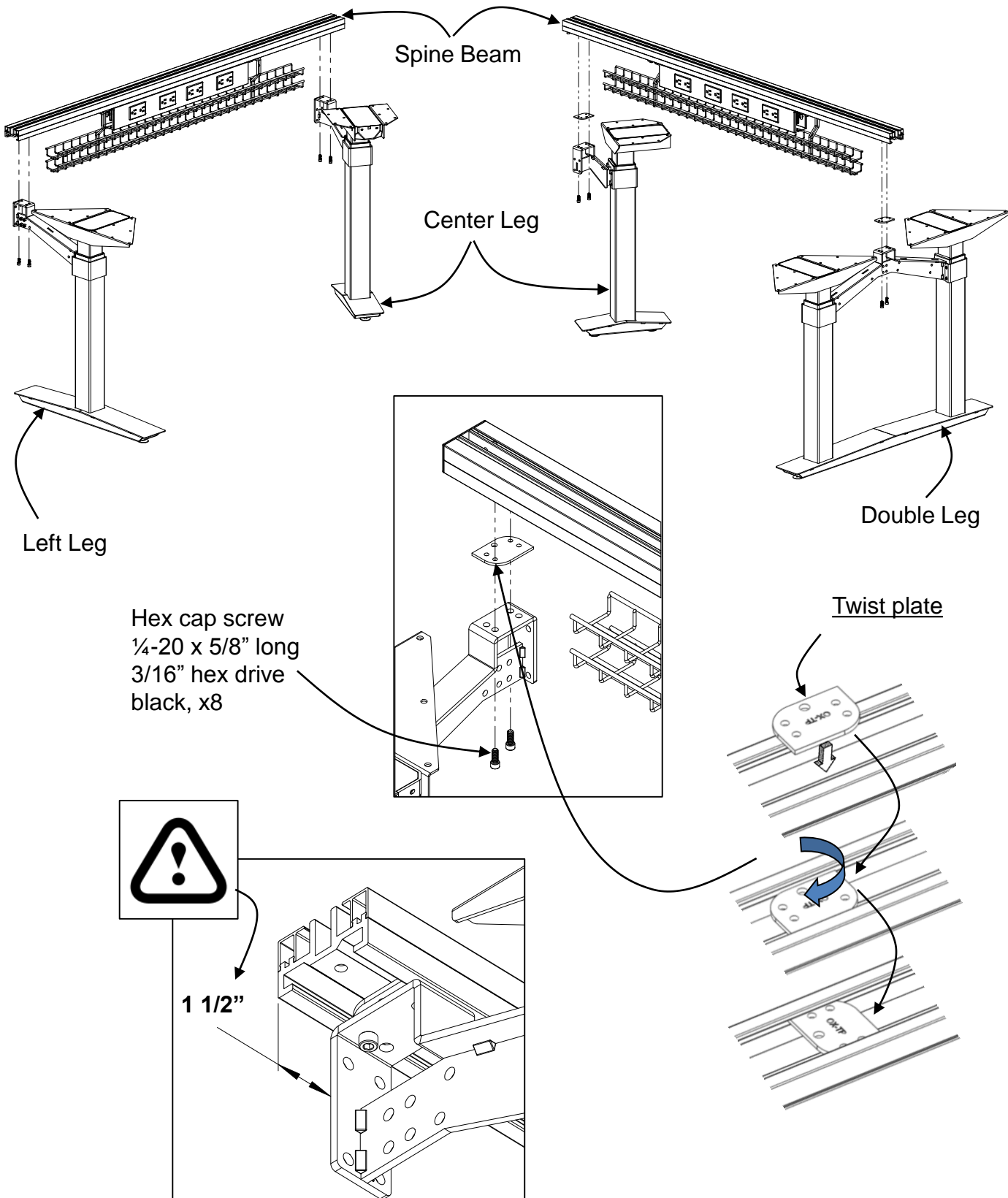


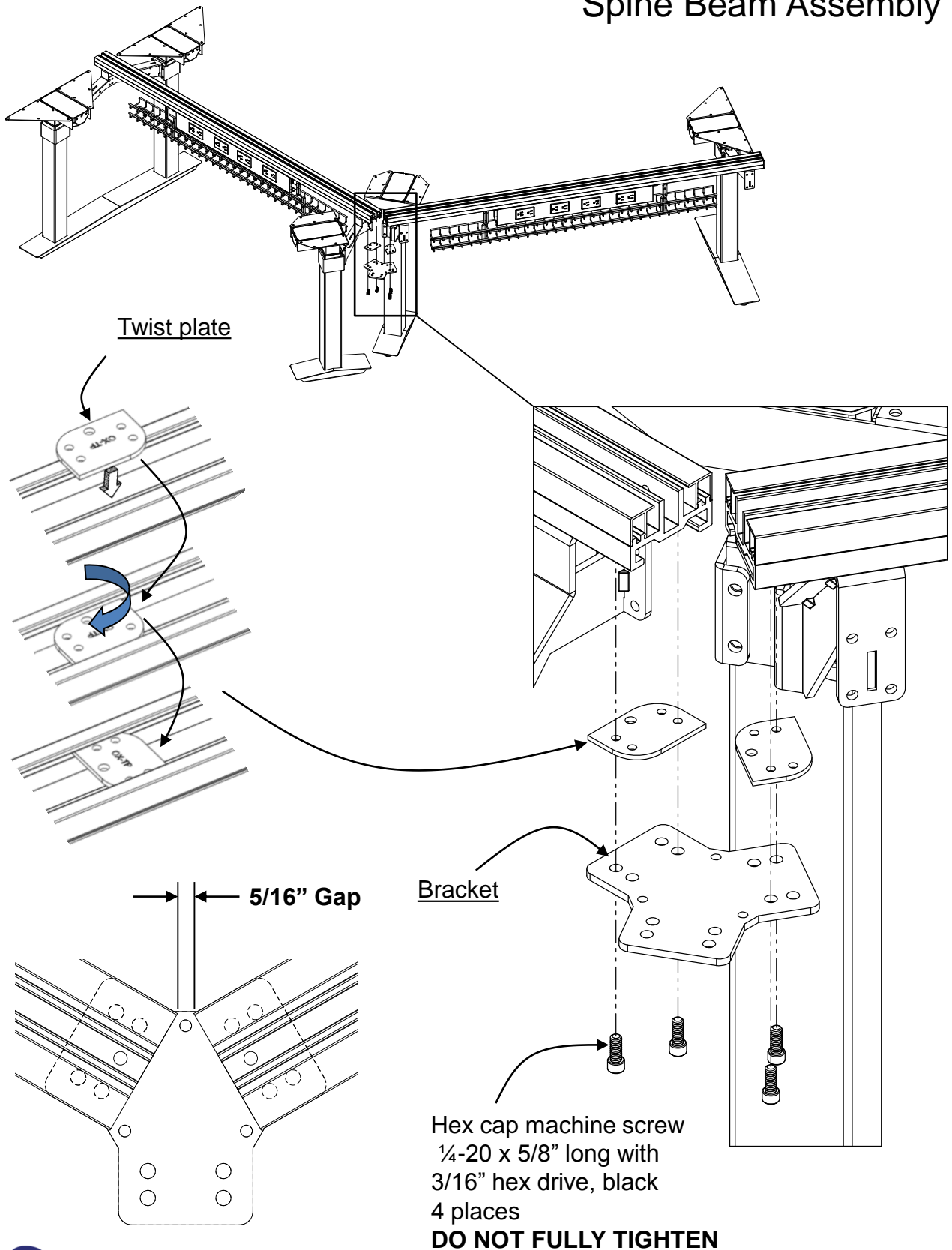




Hex cap machine screw
 $\frac{1}{4}$ -20 x $\frac{5}{8}$ " long with
 $\frac{3}{16}$ " hex drive, black
 2 places
DO NOT FULLY TIGHTEN

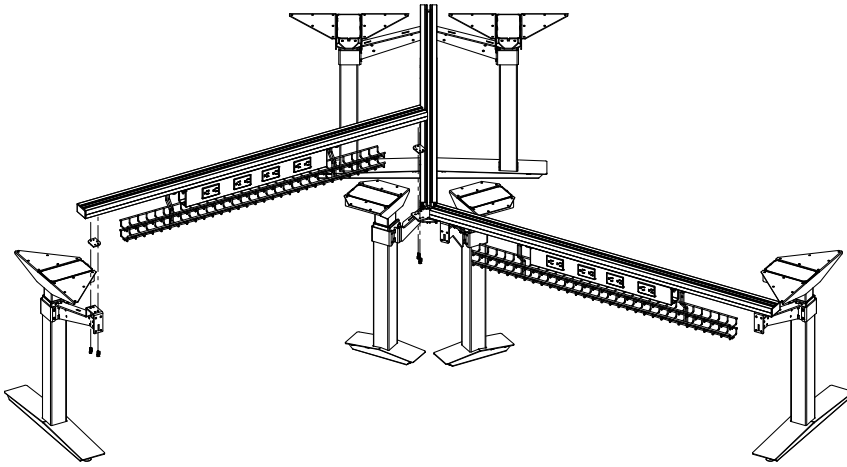




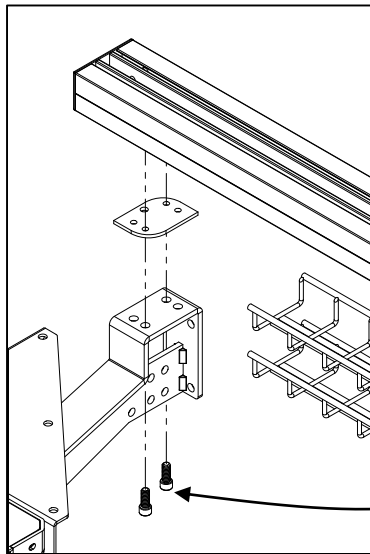
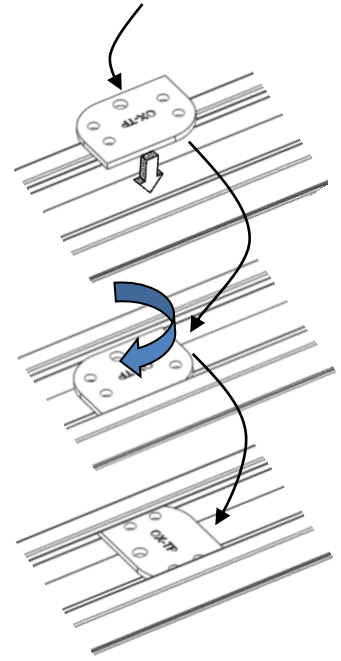


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Double Bench- Spine Beam Assembly



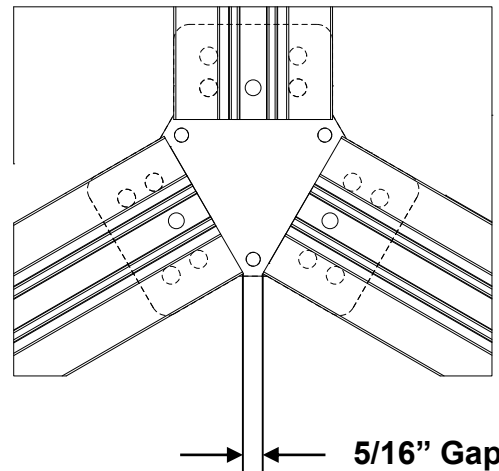
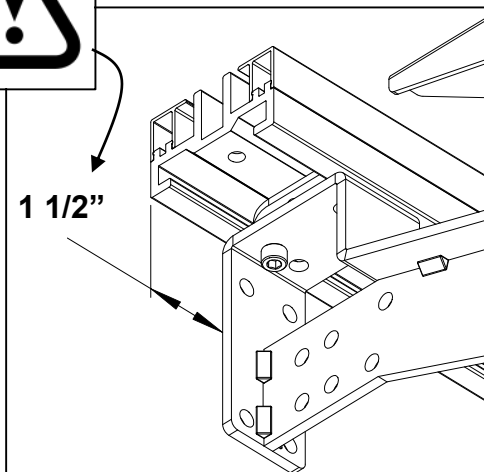
Twist plate



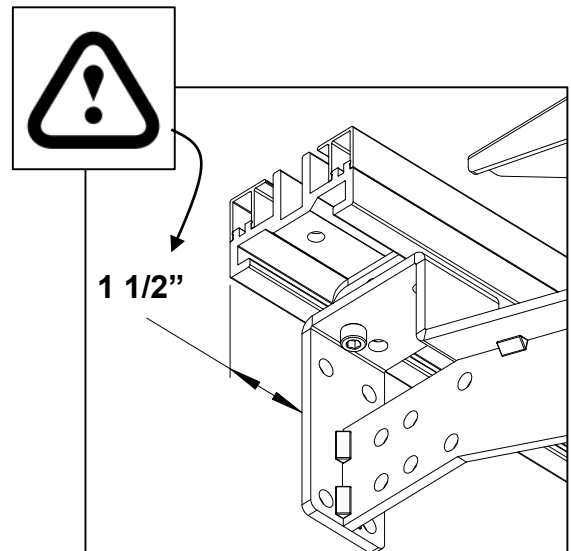
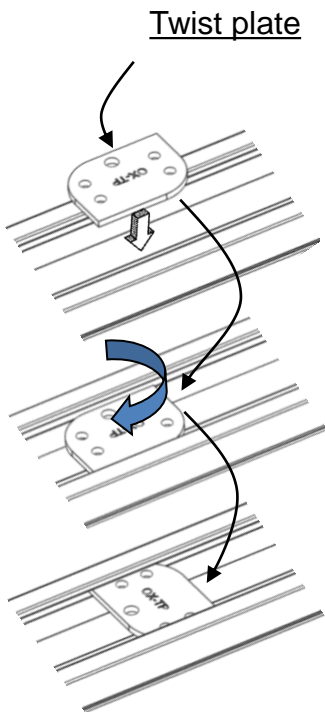
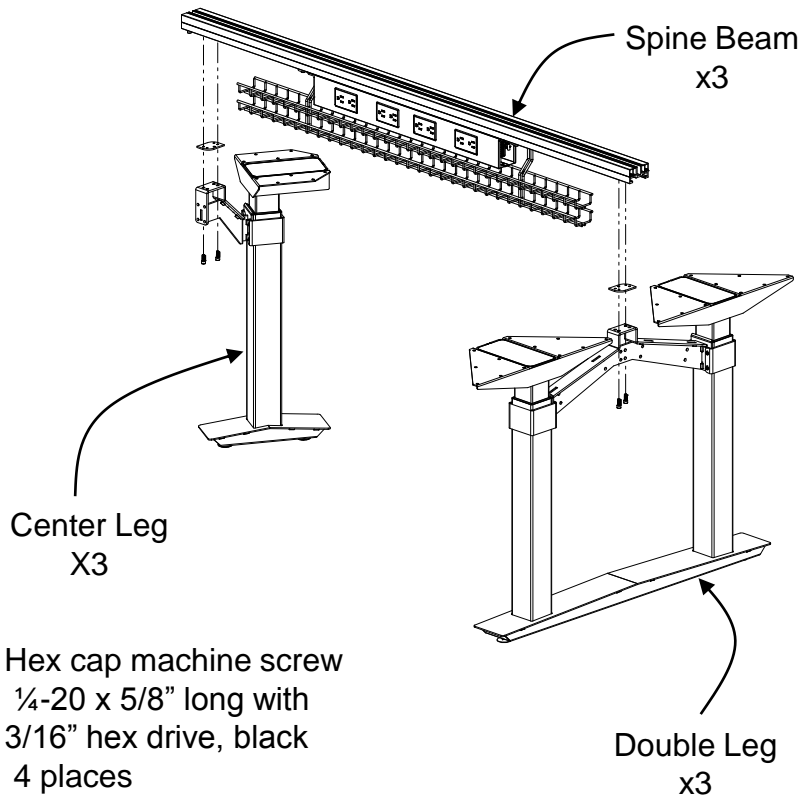
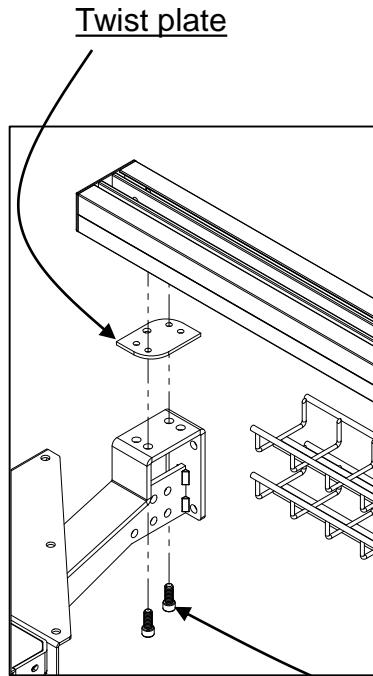
Hex cap screw
1/4-20 x 5/8" long
3/16" hex drive
black, x4

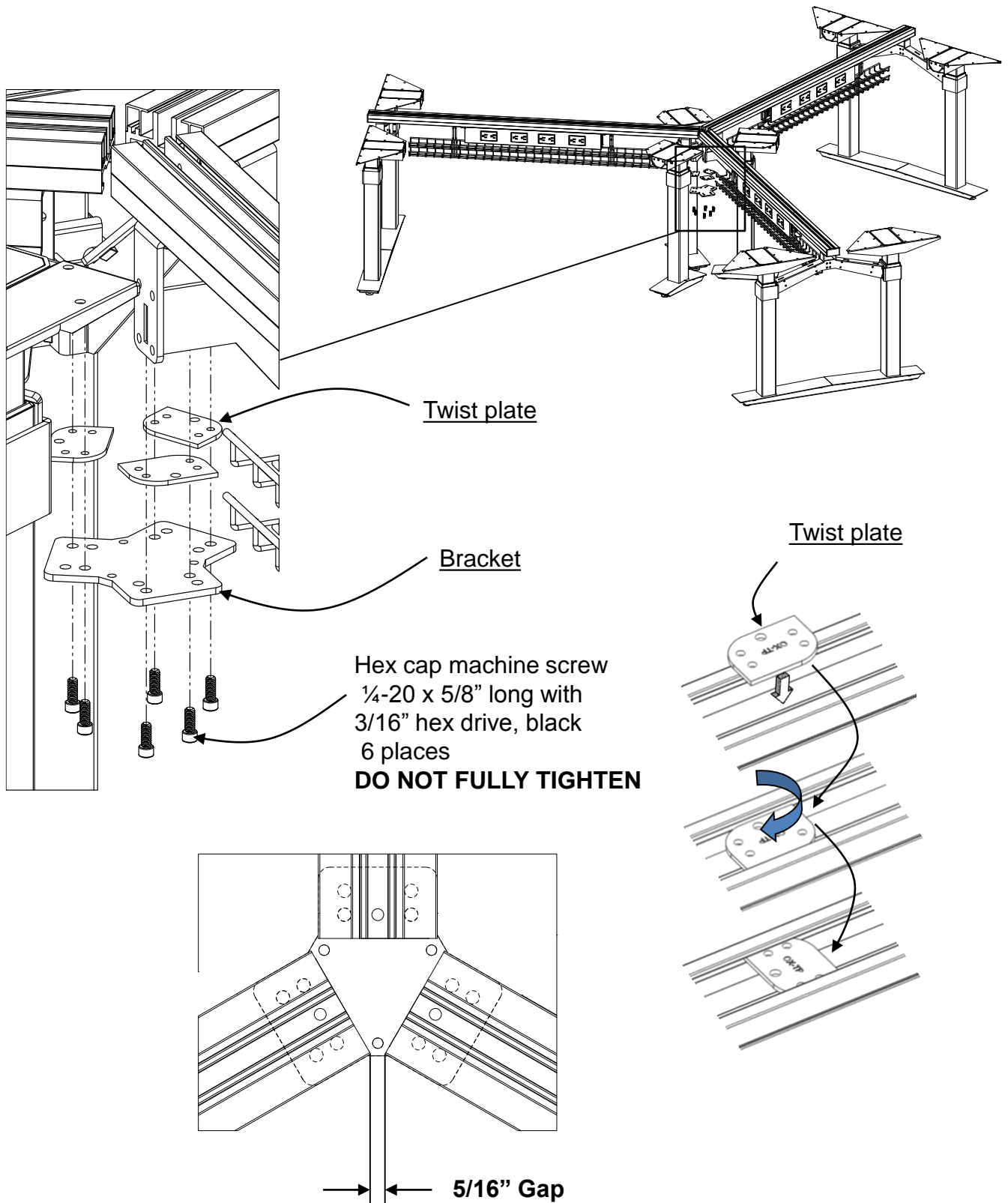


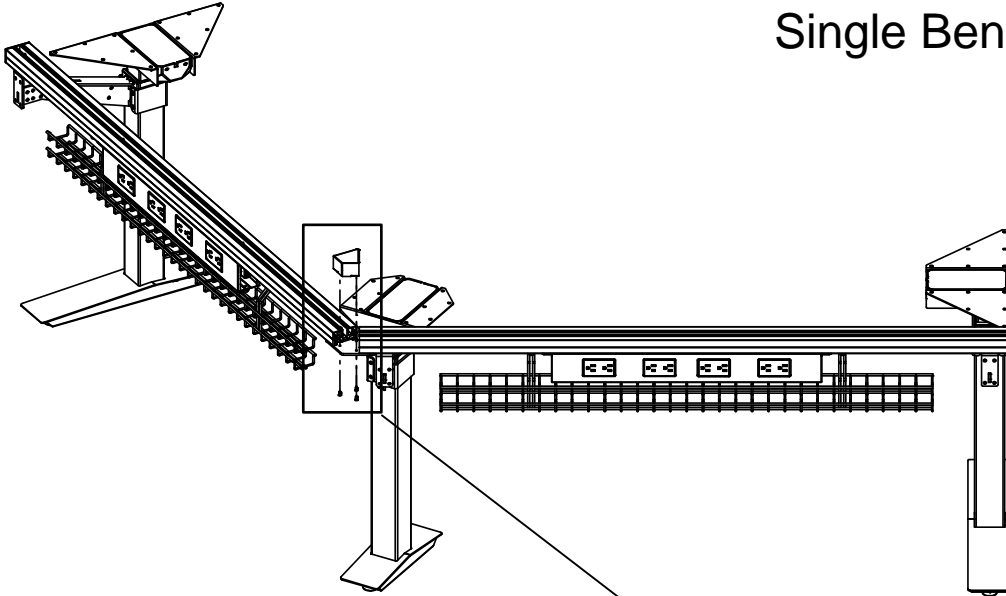
1 1/2"



5/16" Gap





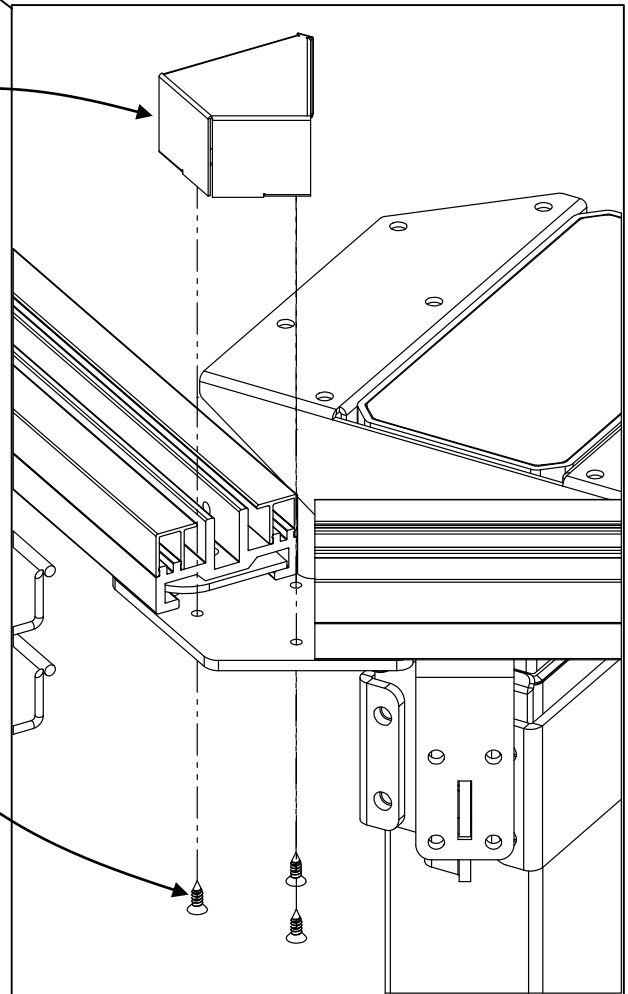


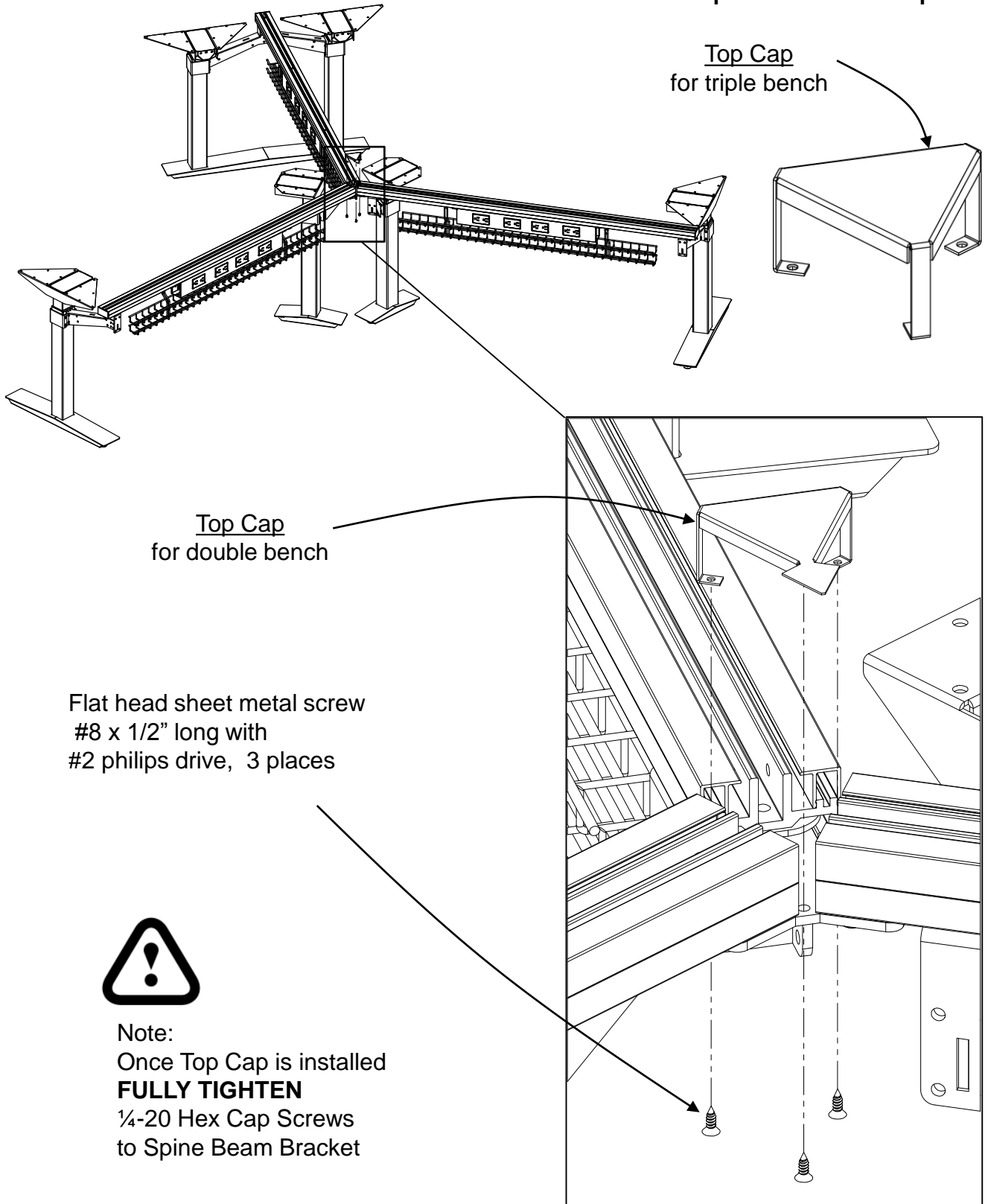
Top Cap
for single bench

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



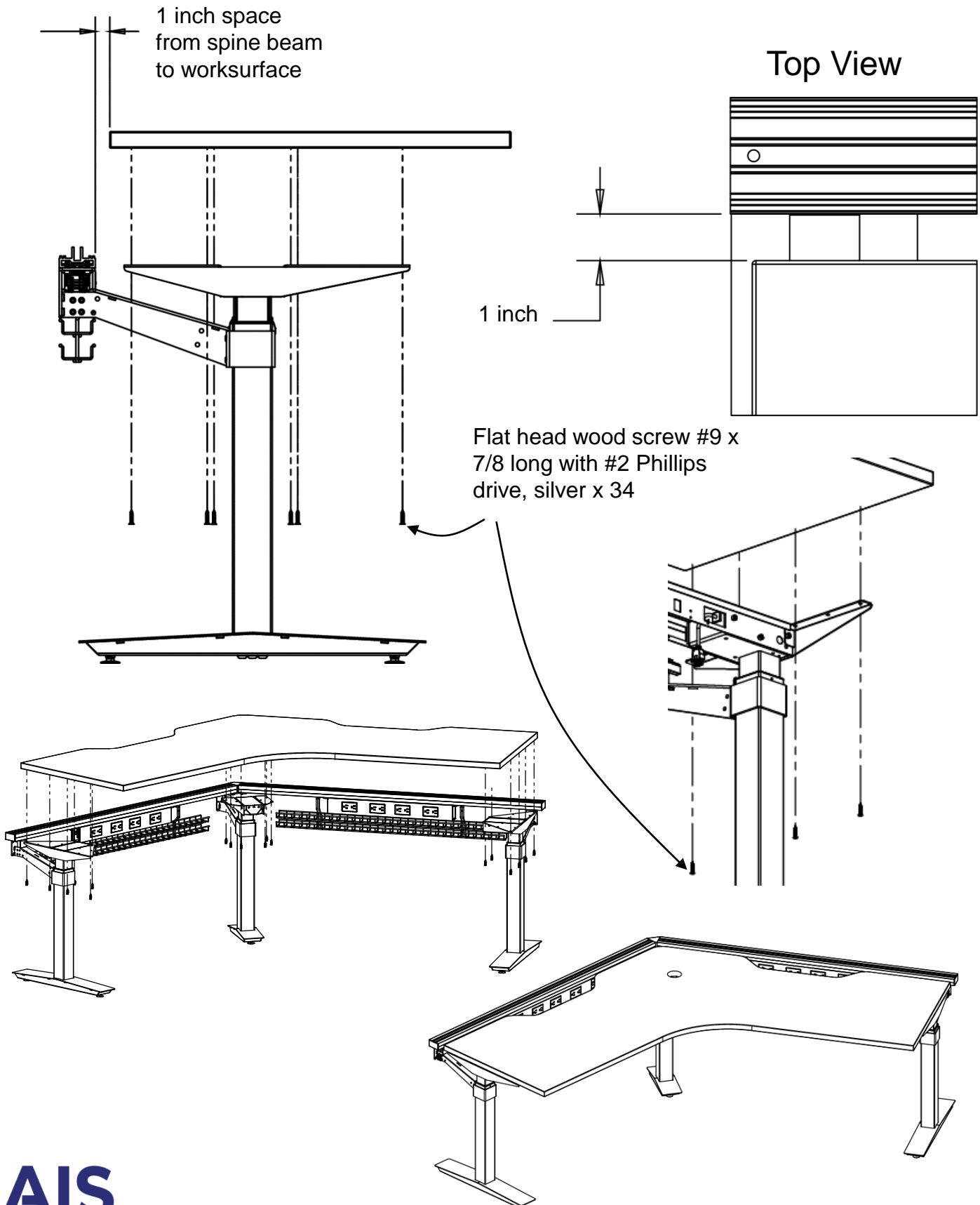
Note:
Once Top Cap is installed
FULLY TIGHTEN
1/4-20 Hex Cap Screws
to Spine Beam Bracket

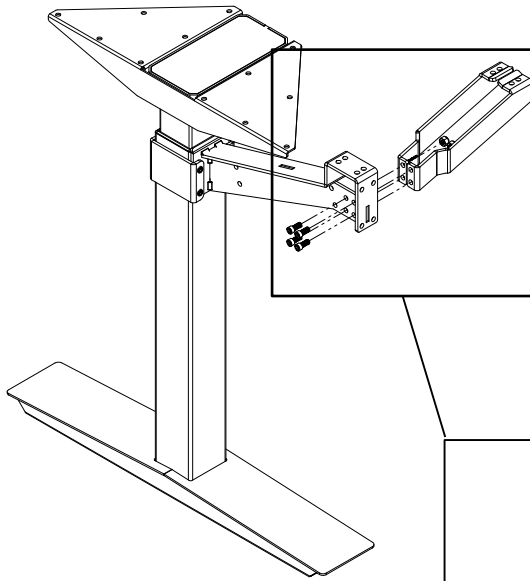




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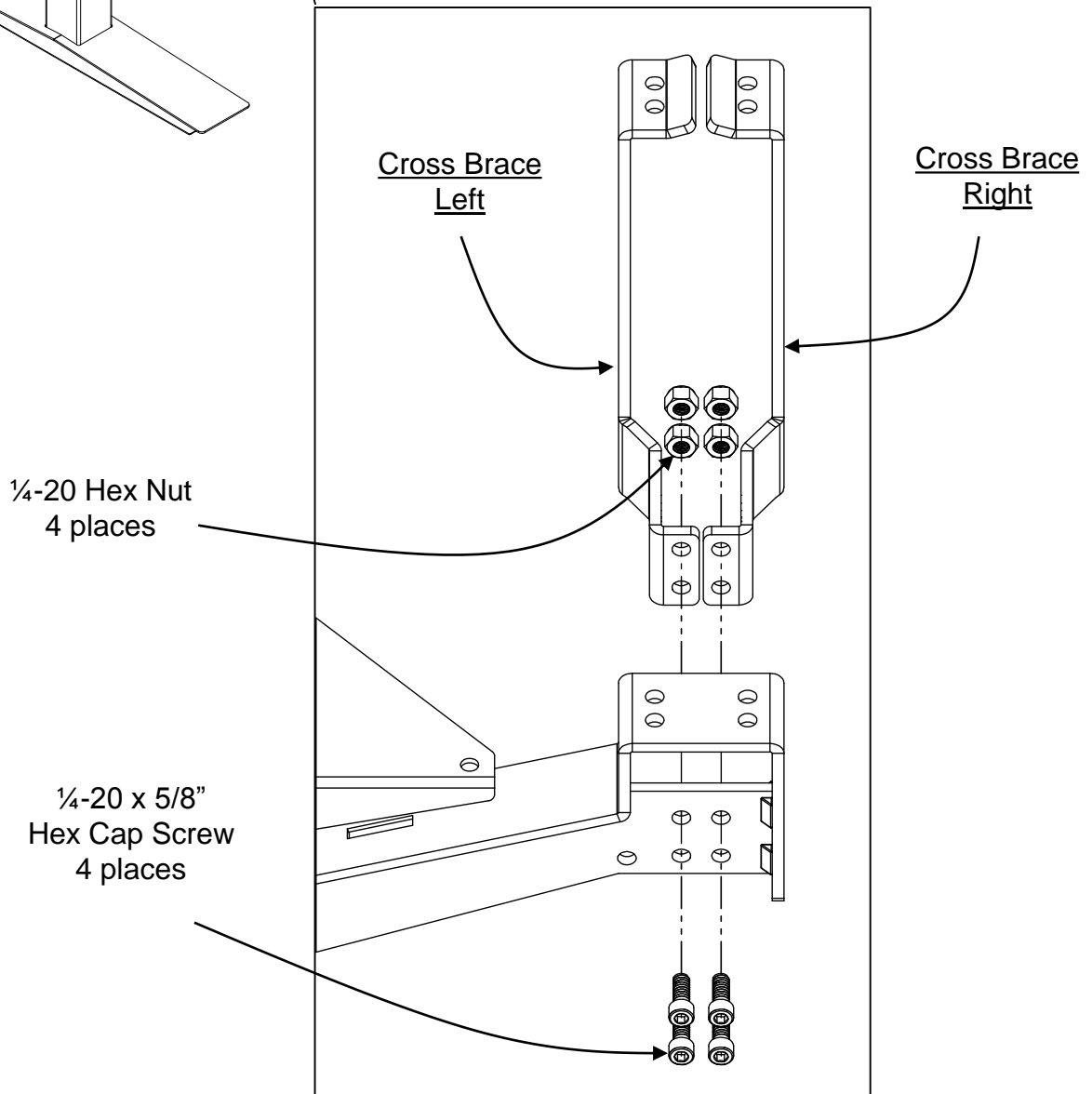
Worksurface Installation





Notes:

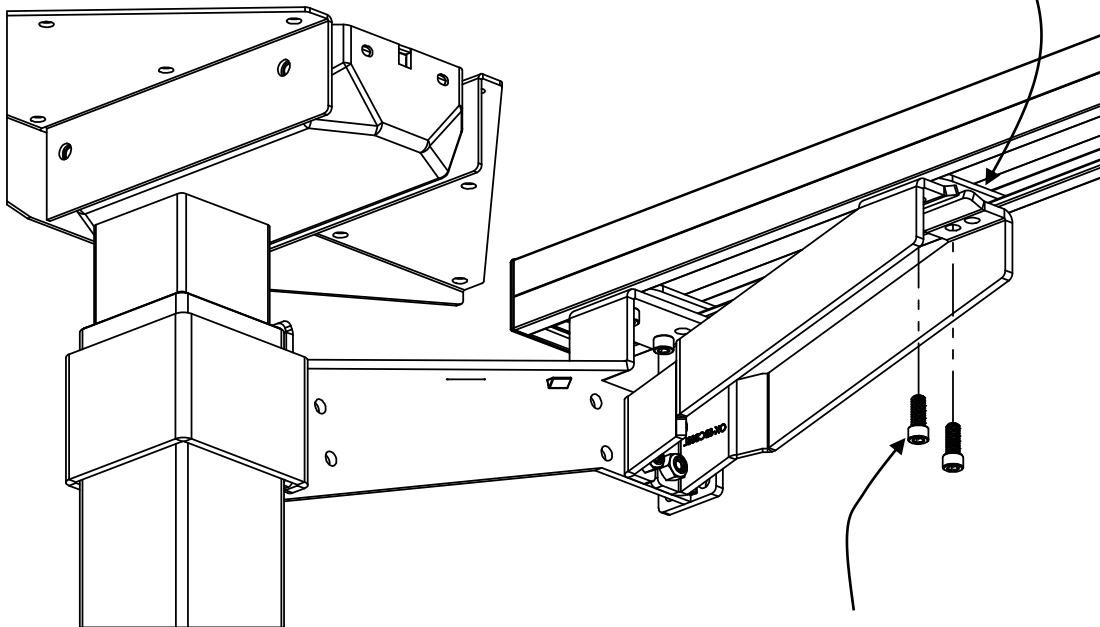
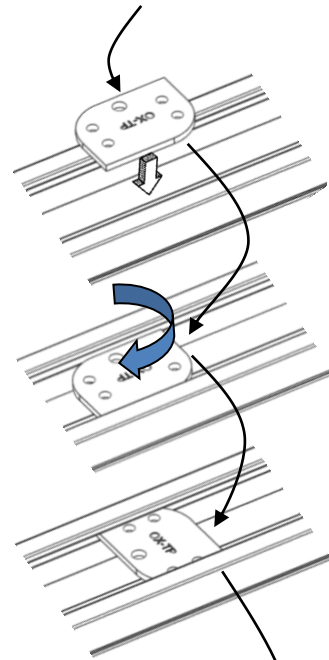
- Install Cross Braces after worksurfaces have been installed. Worksurfaces and spine beams not shown here for clarity.
- Install left and right cross braces on bench sizes 54 – 96 only



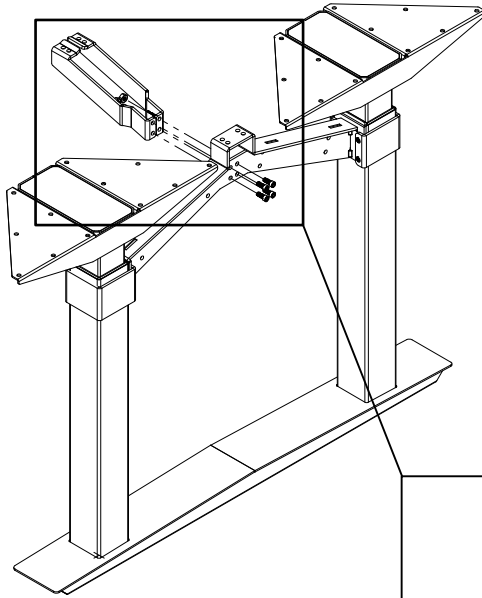
Notes:

- Secure left and right cross braces to spine beam on both ends using twist plates and 1/4-20 x 5/8" long hex cap screws.
- Worksurfaces not shown here for clarity.
- Install left and right cross braces on bench sizes 54 – 96 only.

Twist plate



Hex cap screw
1/4-20 x 5/8" long
3/16" hex drive
black, x2



Notes:

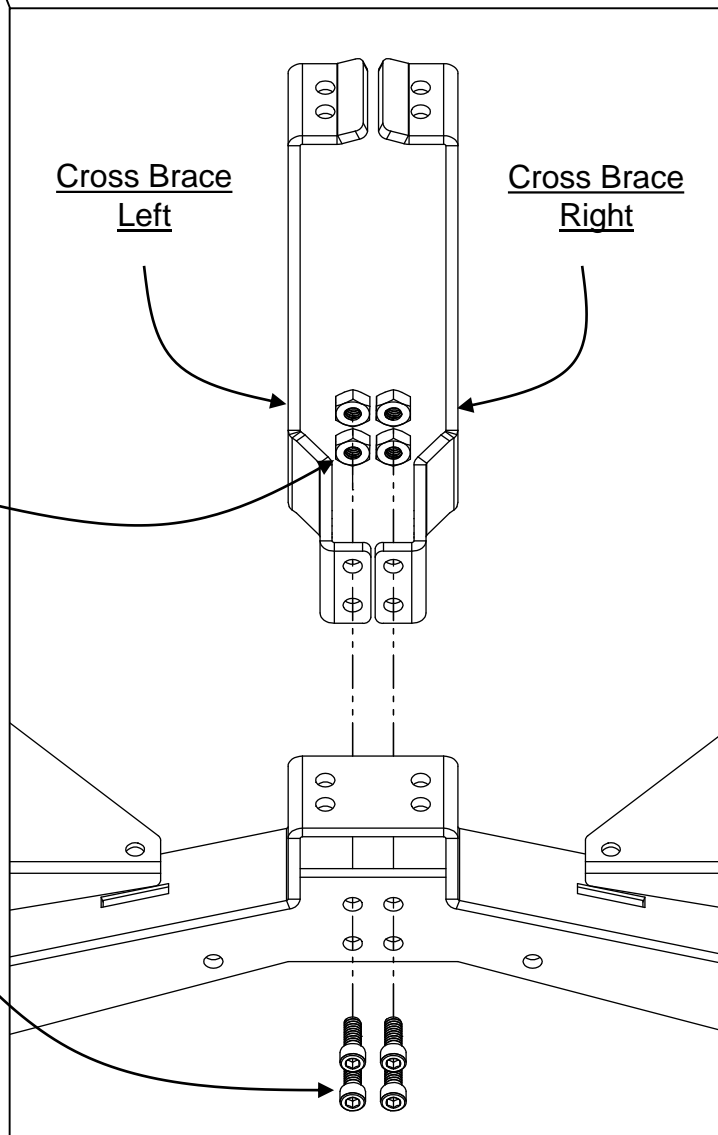
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- Install left and right cross braces on bench sizes 54 – 96 only

1/4-20 Hex Nut
4 places

1/4-20 x 5/8"
Hex Cap Screw
4 places

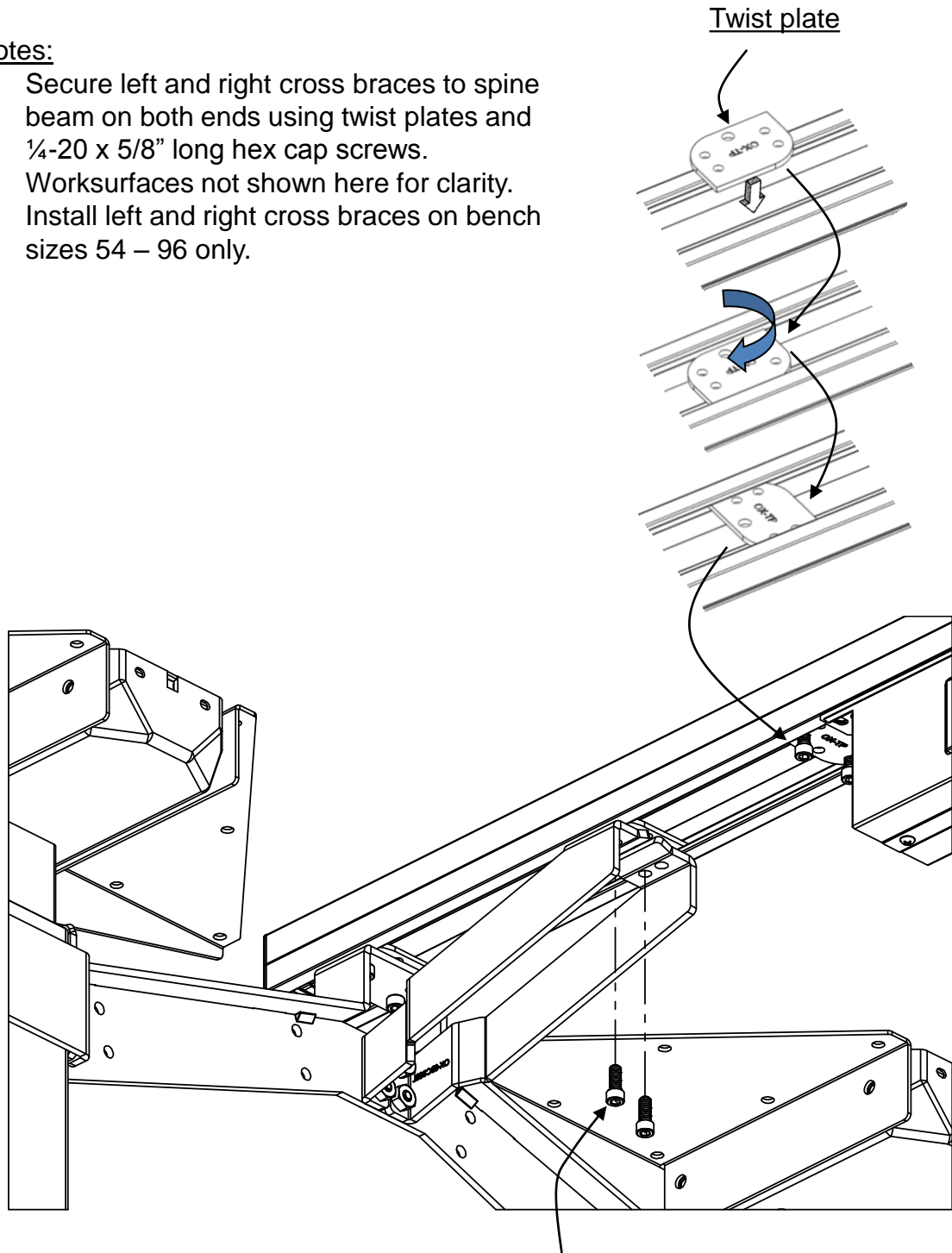
Cross Brace
Left

Cross Brace
Right

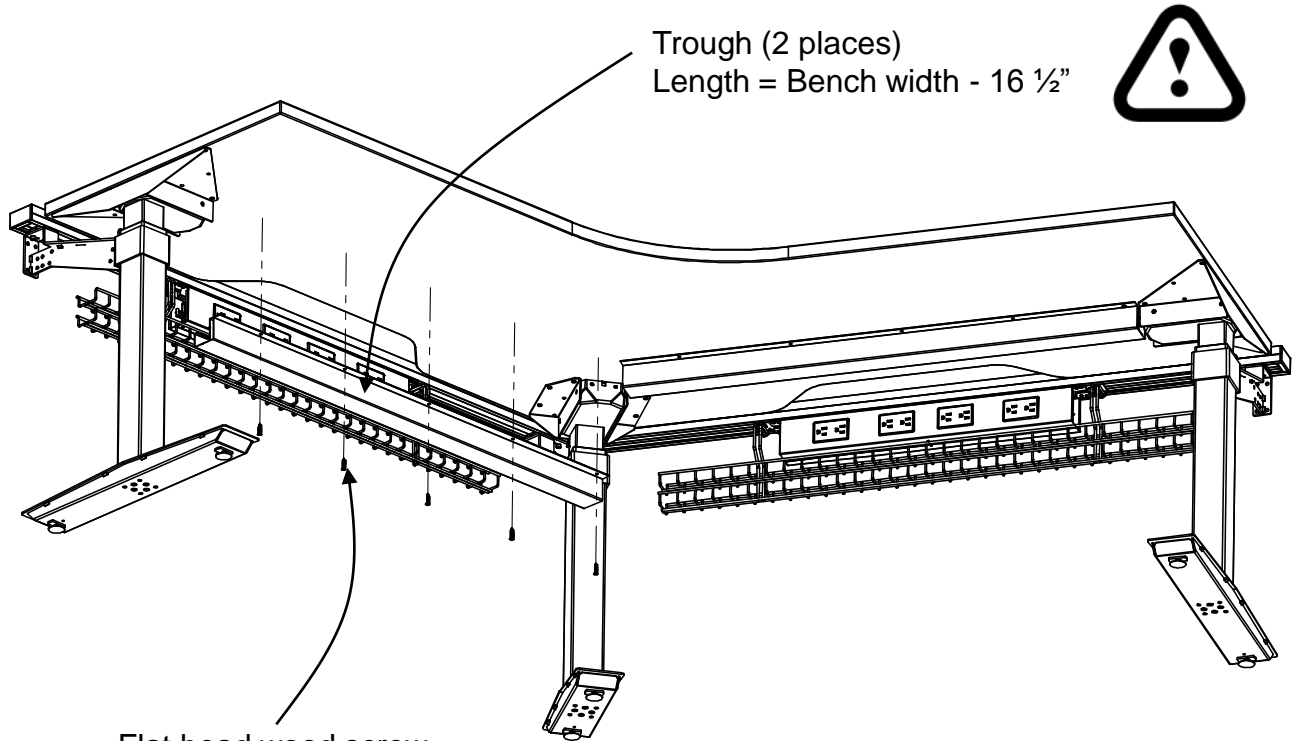


Notes:

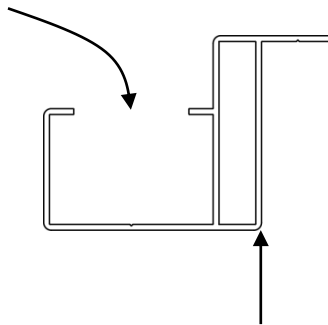
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- Worksurfaces not shown here for clarity.
- Install left and right cross braces on bench sizes 54 – 96 only.



Hex cap screw
1/4-20 x 5/8" long
3/16" hex drive
black, x2



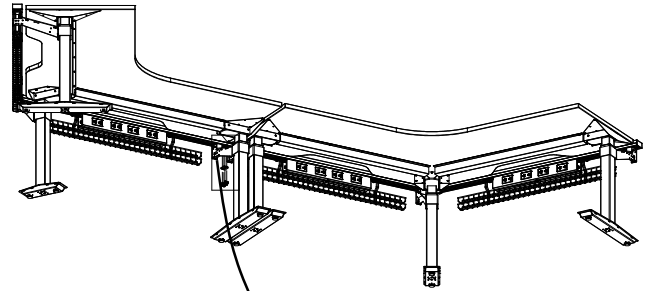
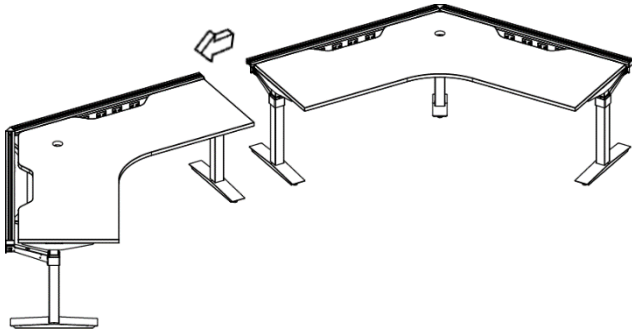
Mount trough so
that this opening is
on spine beam side



Align this edge with Cantilever
edge so that the trough is off-
centered from the worksurface

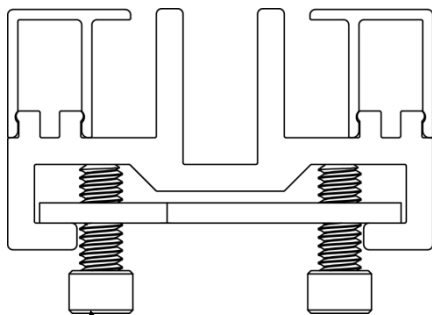
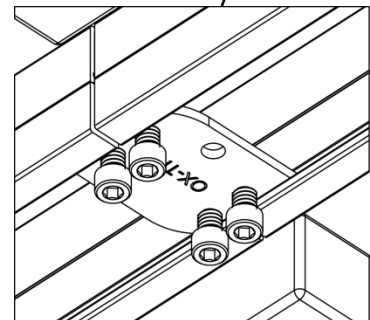
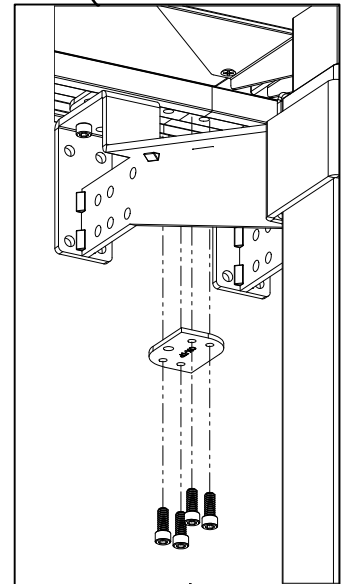
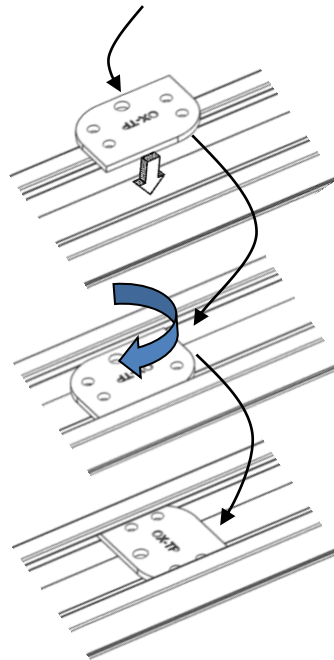
Aloft 120 - 2019

Double Bench Installation Ganging Benches



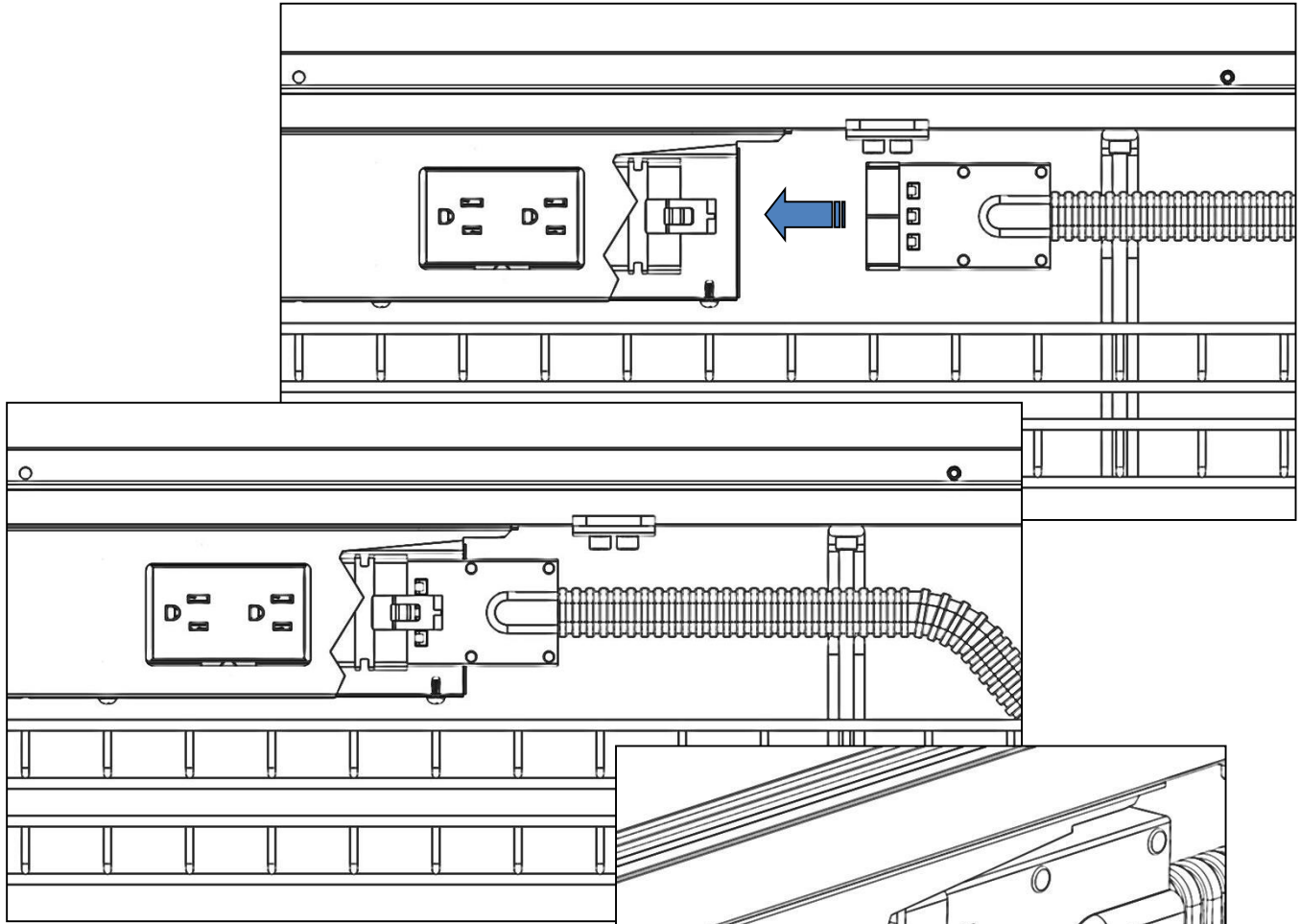
Powered benches **MUST** be bolted together as shown to meet National Electric Codes

Twist plate
#OX-TP

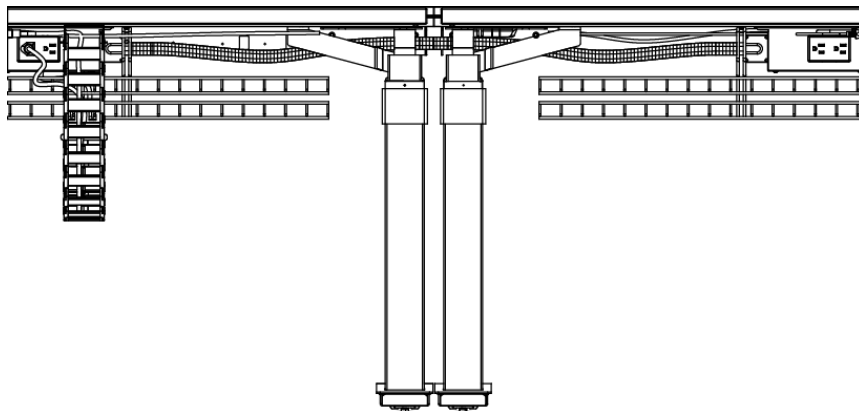
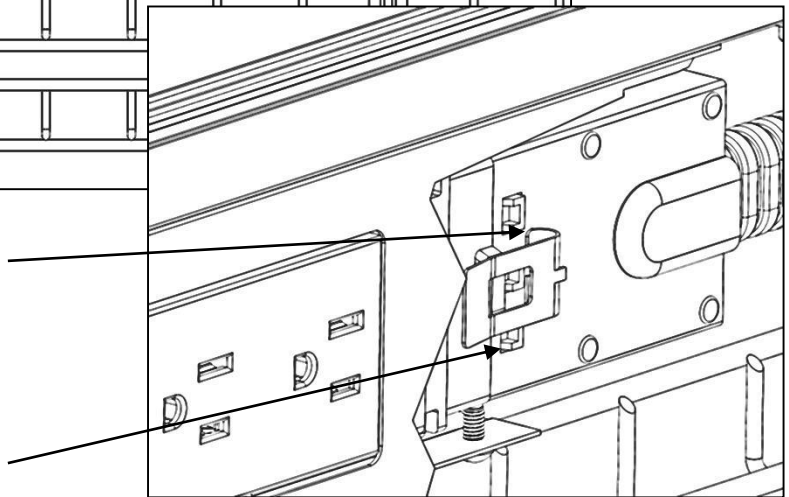


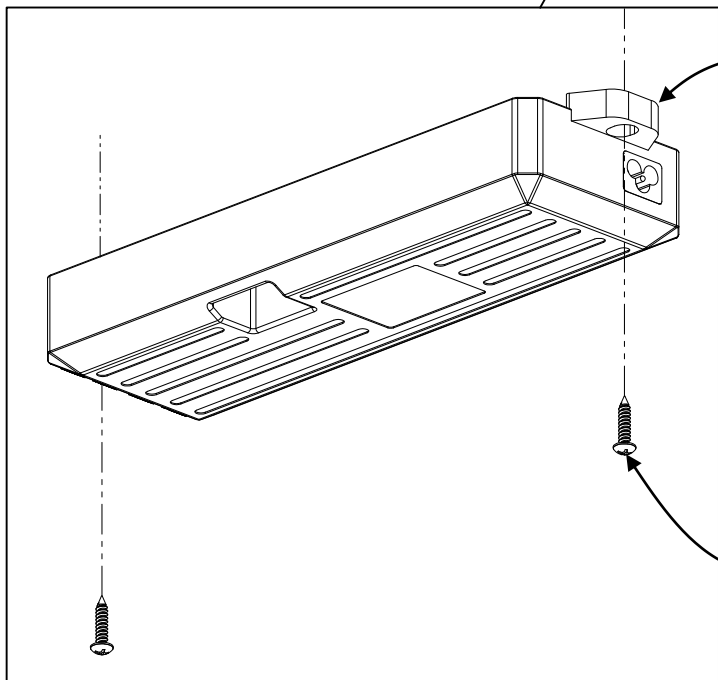
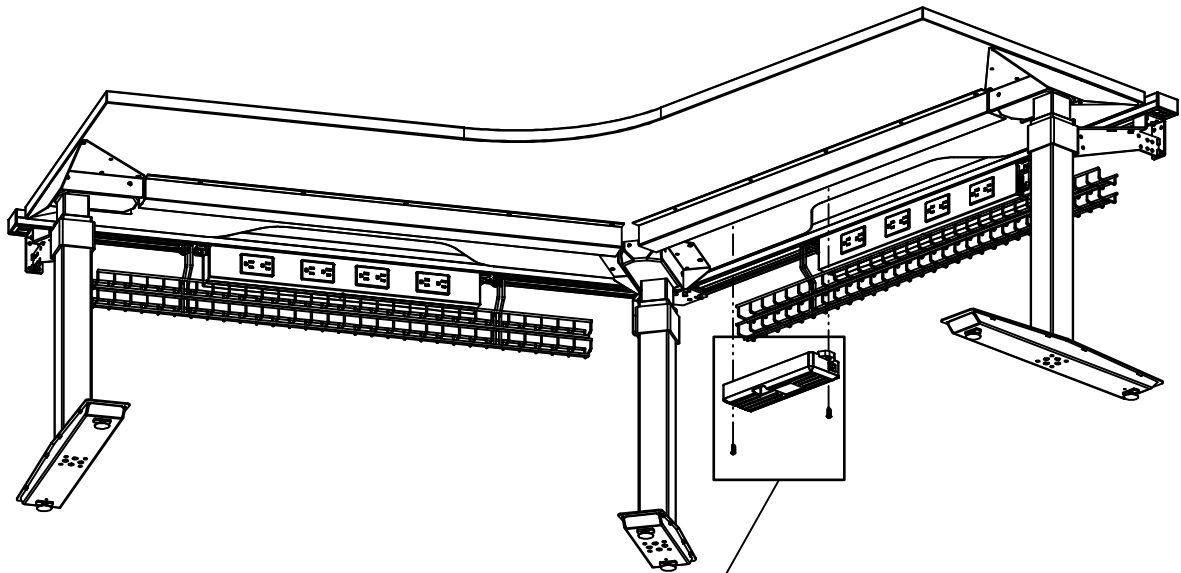
1/4-20 x 5/8 long
Socket Head Screw
4 places, fully tighten
3/16 Hex drive, Black

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



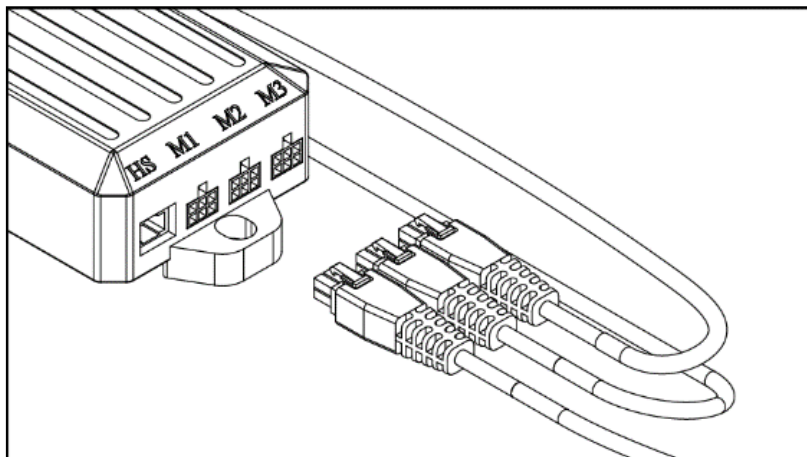
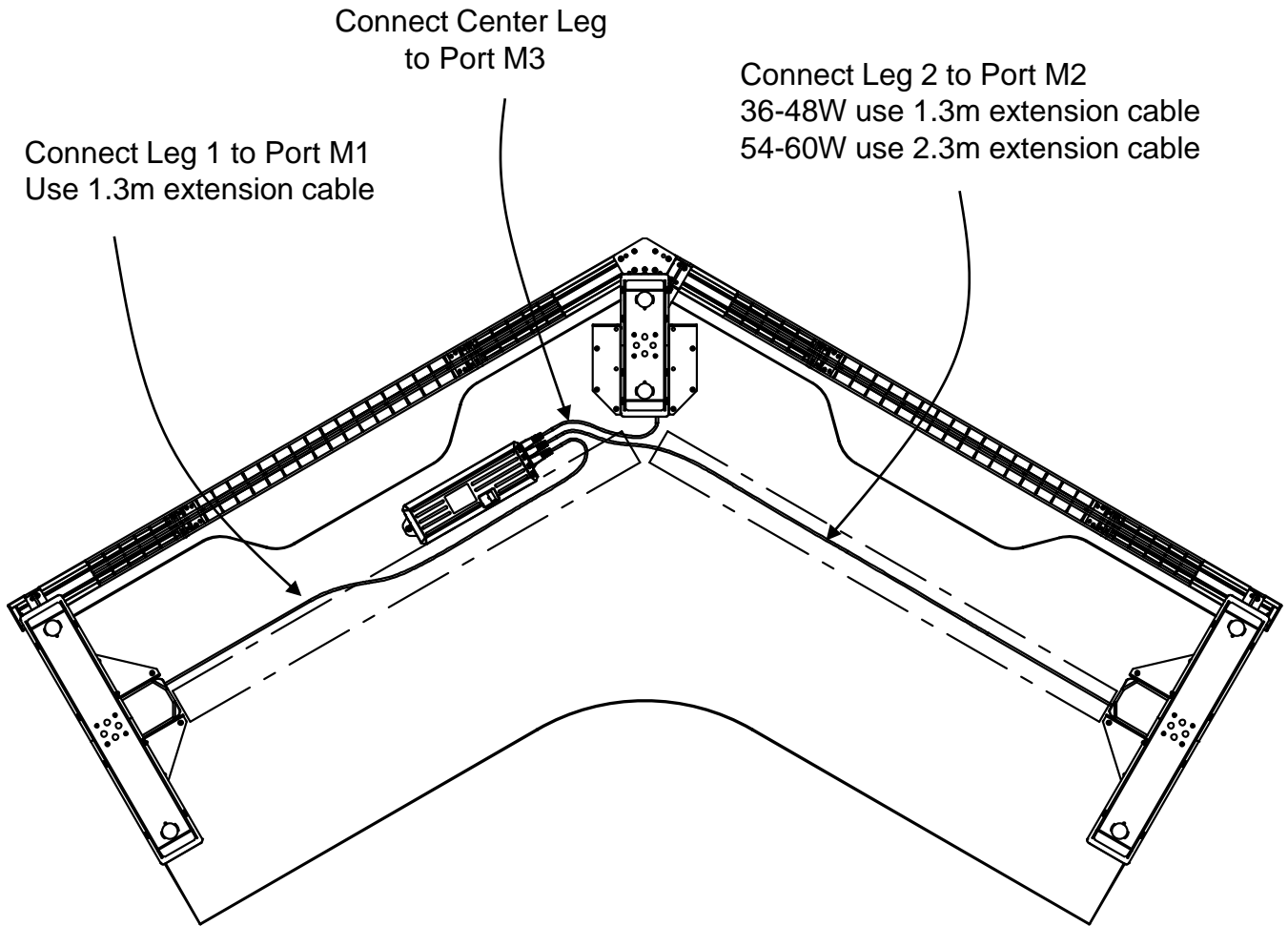
Locking clip
on powerway
MUST be present and
engaged
behind wedges
on jumper.





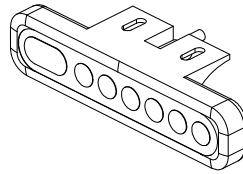
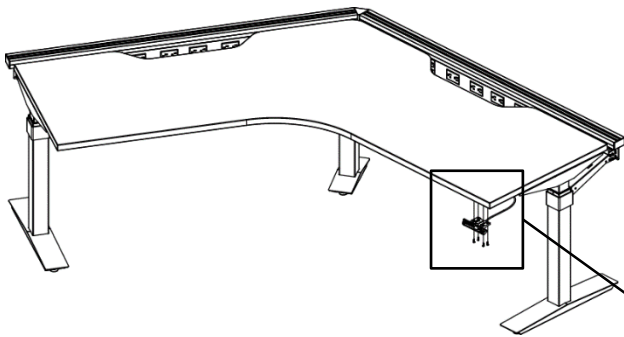
3-Input Control Box

#10 x 7/8" long
Pan head screw
#2 Philips drive
2 places

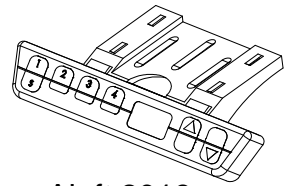


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Hand Switch Installation



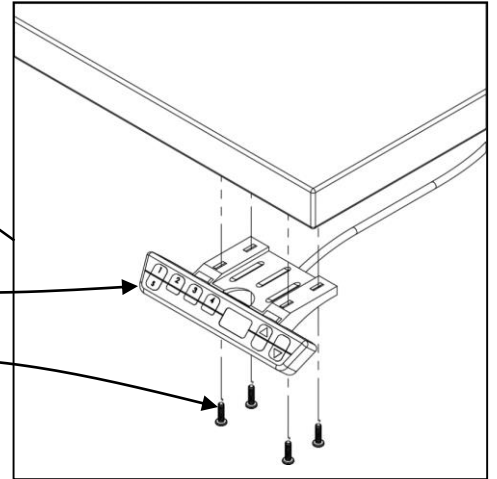
Aloft 2019



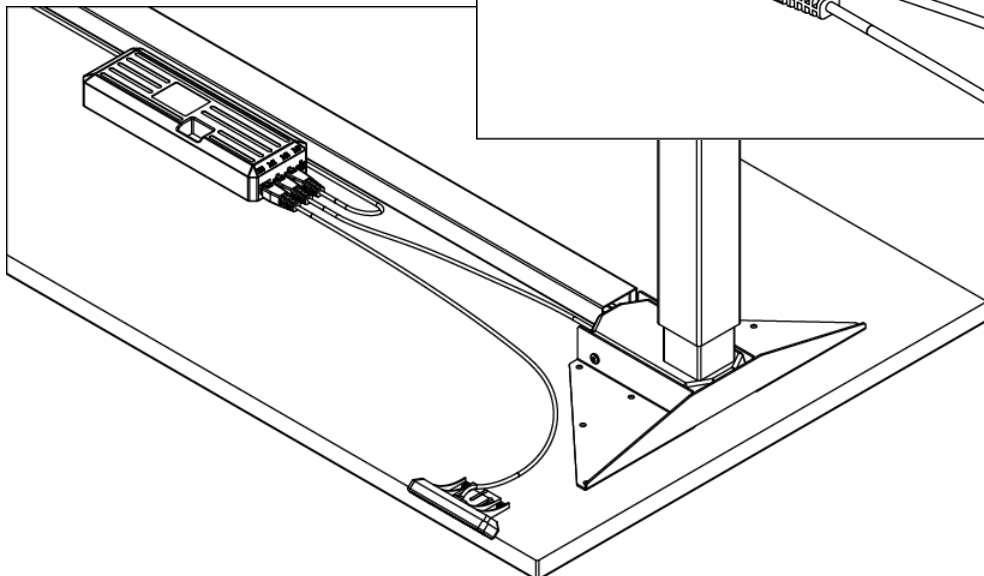
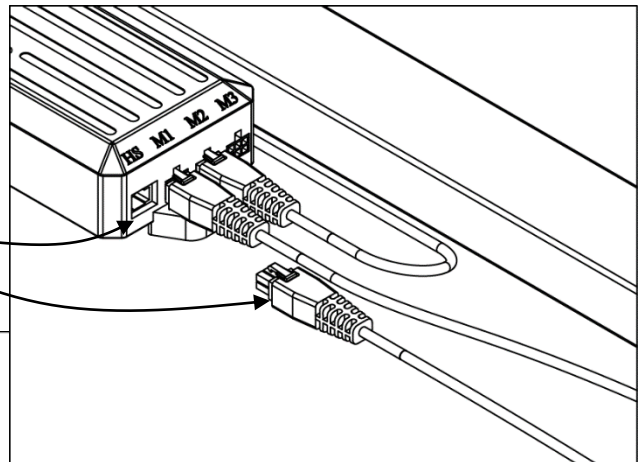
Aloft 2018

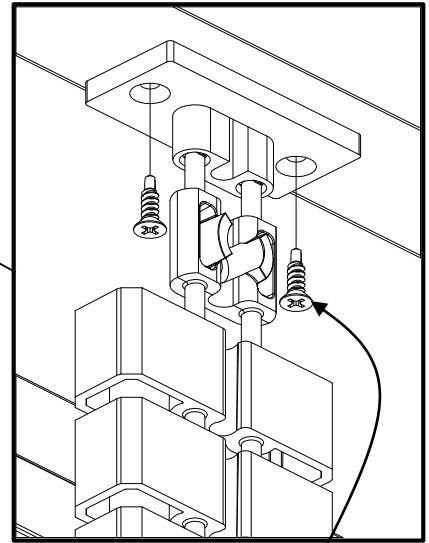
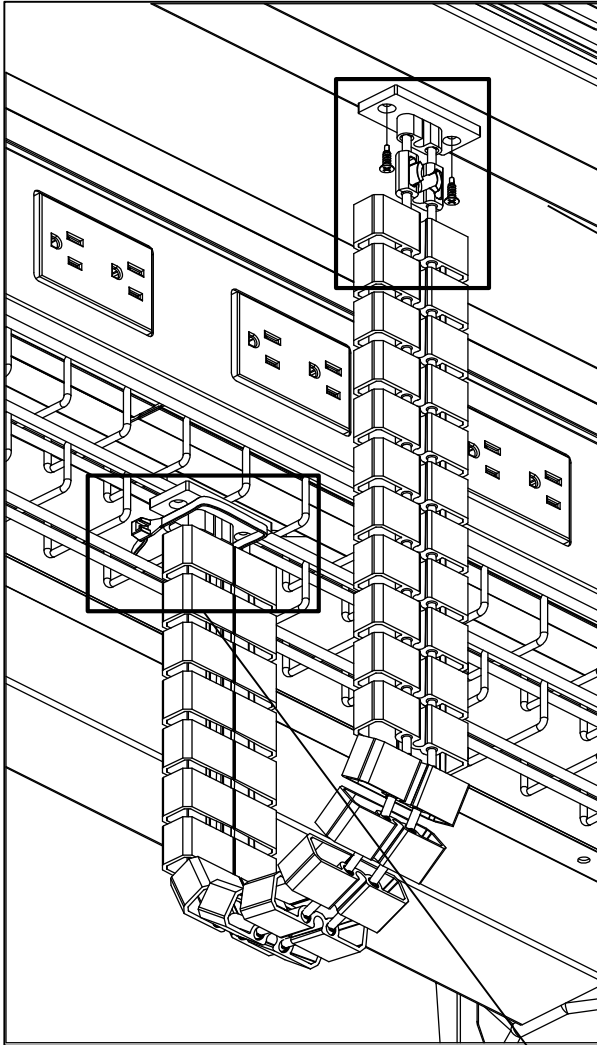
Programmable Hand Switch

#6 x 1/2" long
Pan Head Screw
#2 Philips drive, 4 places



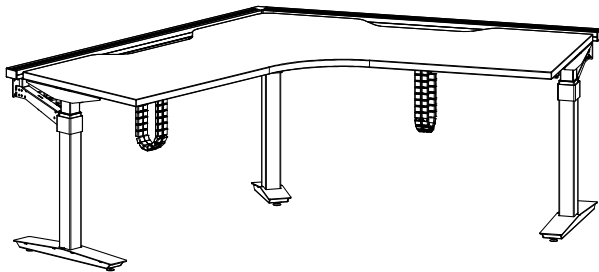
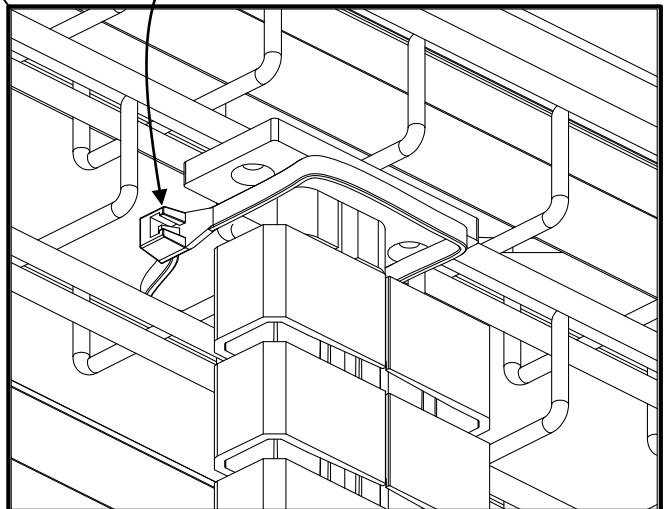
Plug Hand Switch into Port HS

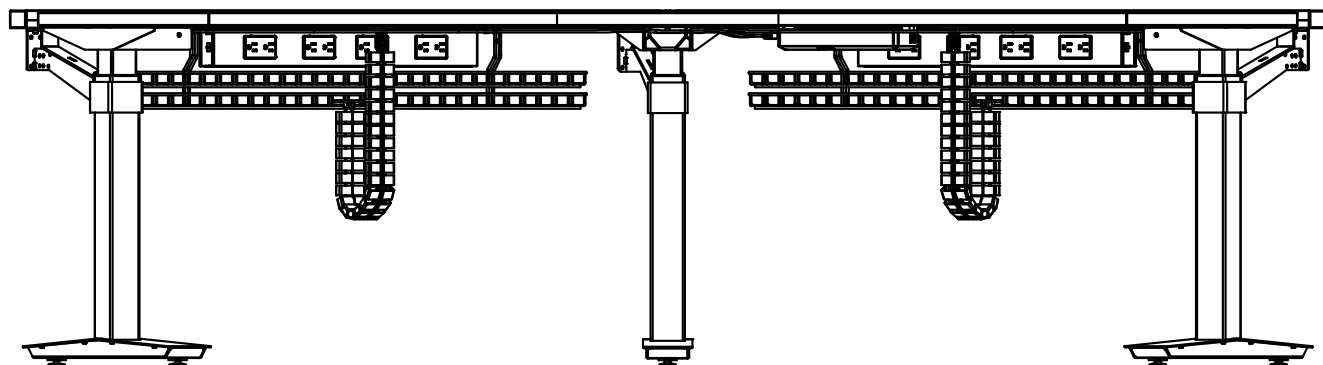
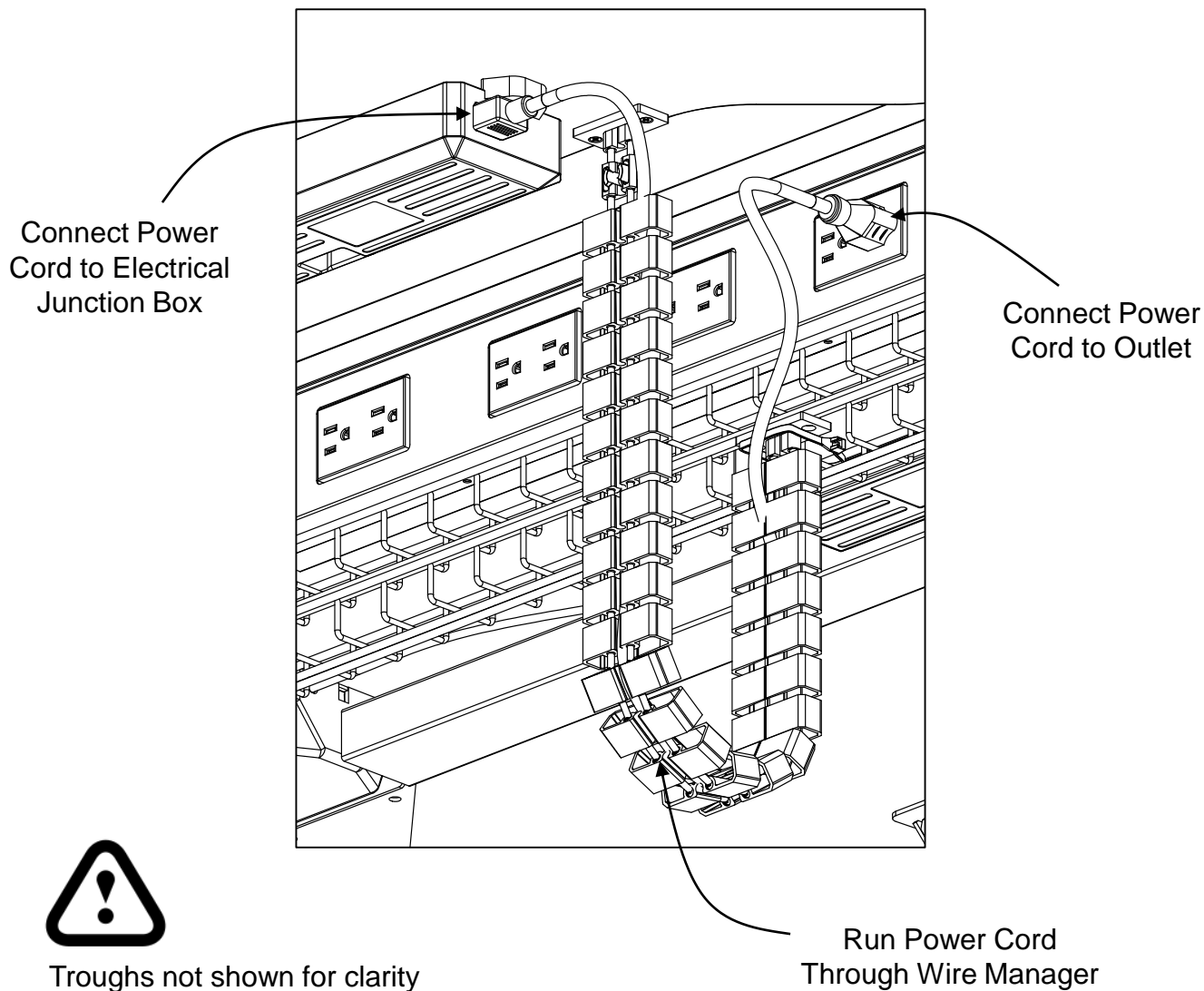




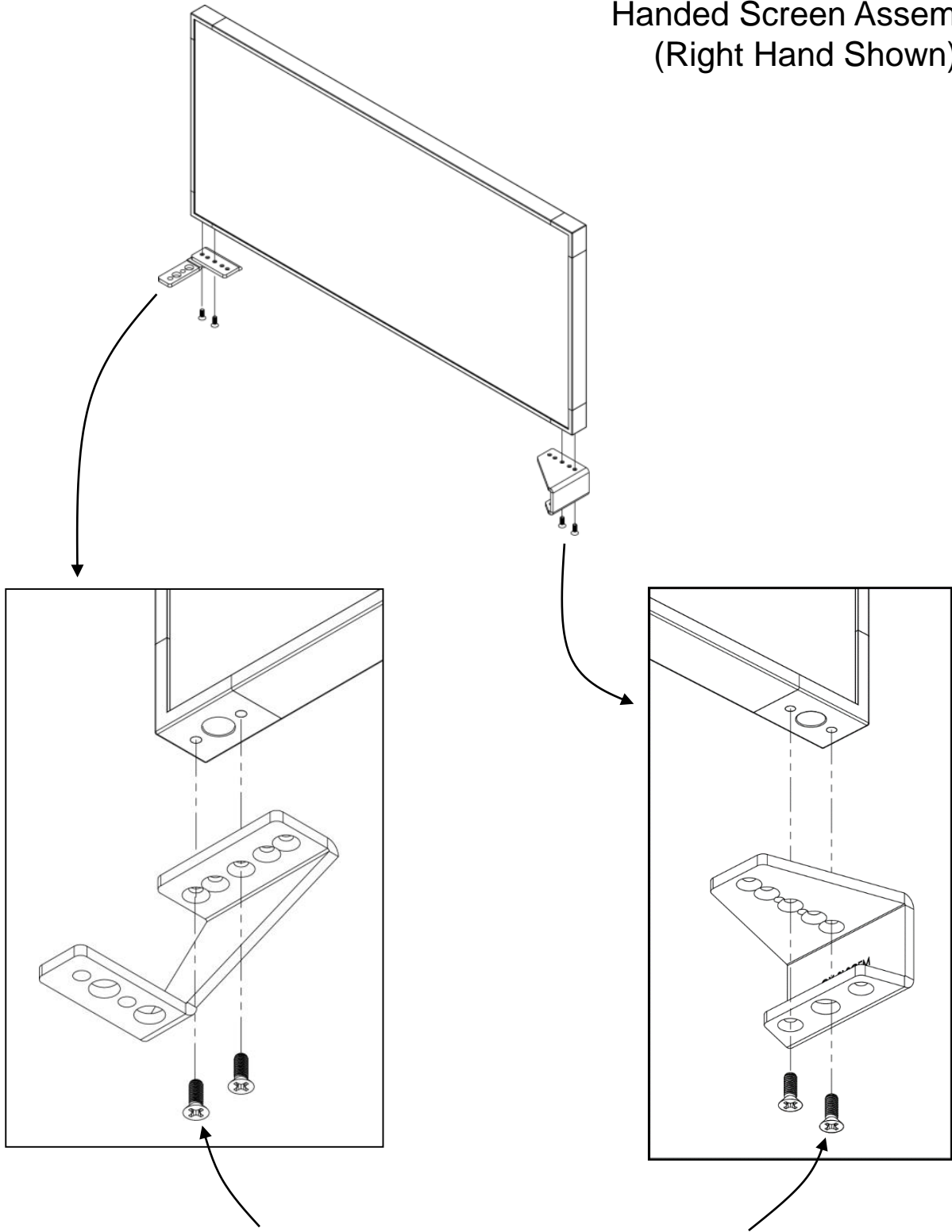
#6 x 1/2" Flat Head Screw
To bottom of Work Surface
2 places

Zip Tie wire manager to
Wire Basket



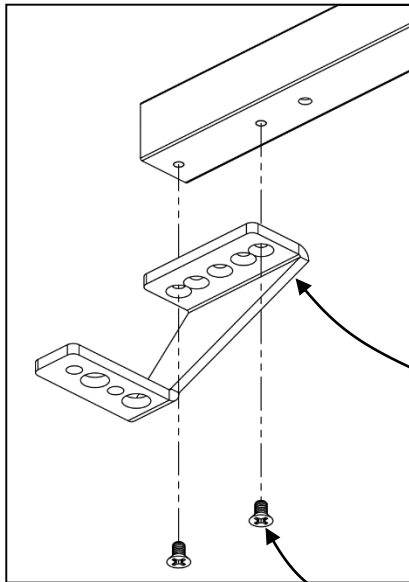
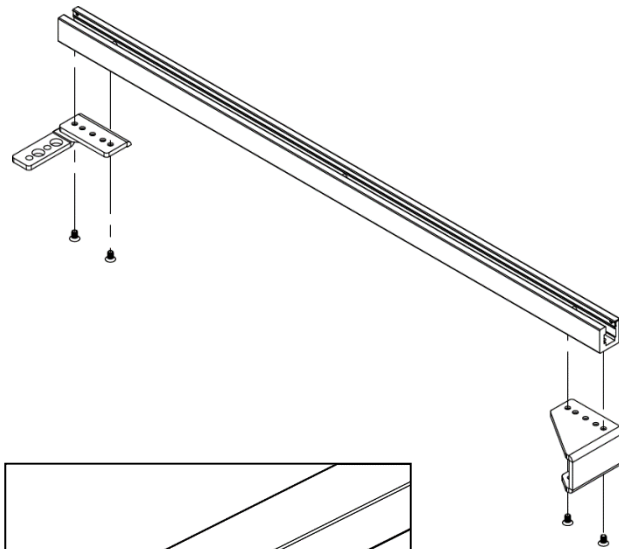


Handed Screen Assembly (Right Hand Shown)



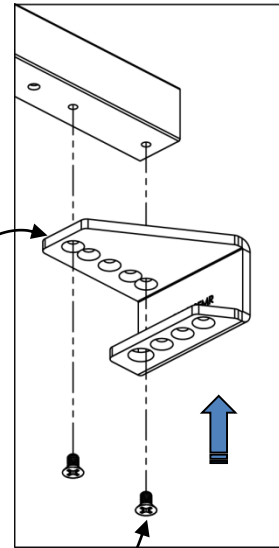
#10-32 x .5 inch Flat Head Machine Screw 4 Places

Handed Glass Screen Rail Assembly (Right Hand Shown)

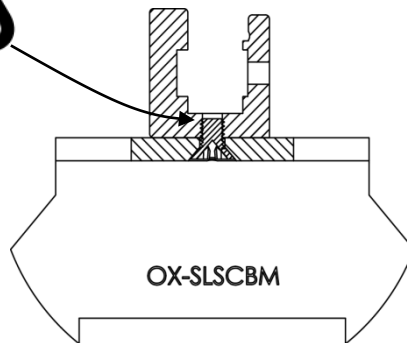


Bracket

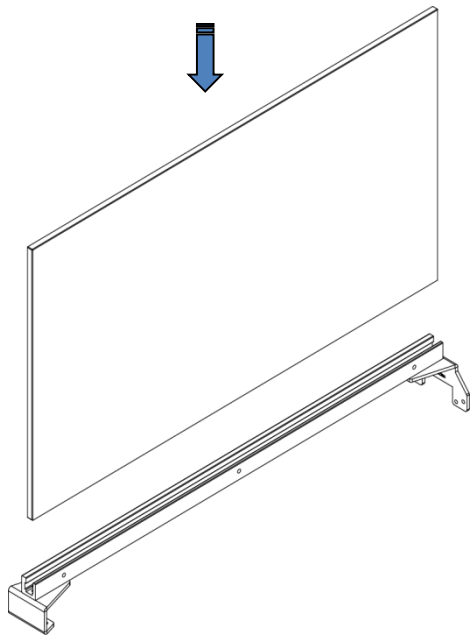
Bracket



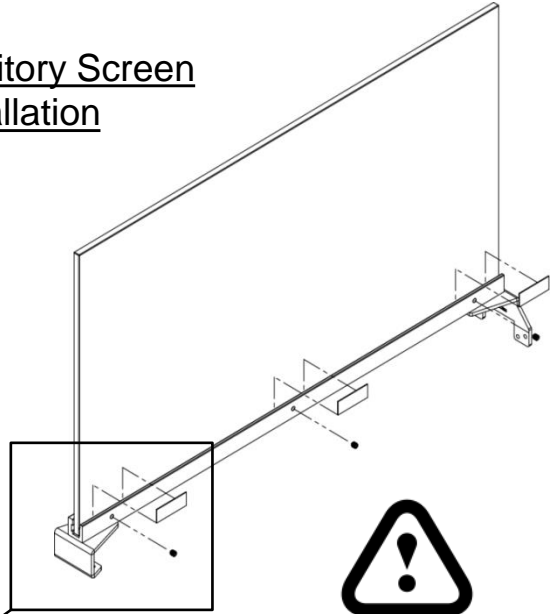
#10-32 x 5/16" Flat Head
Machine Screw 4 Places



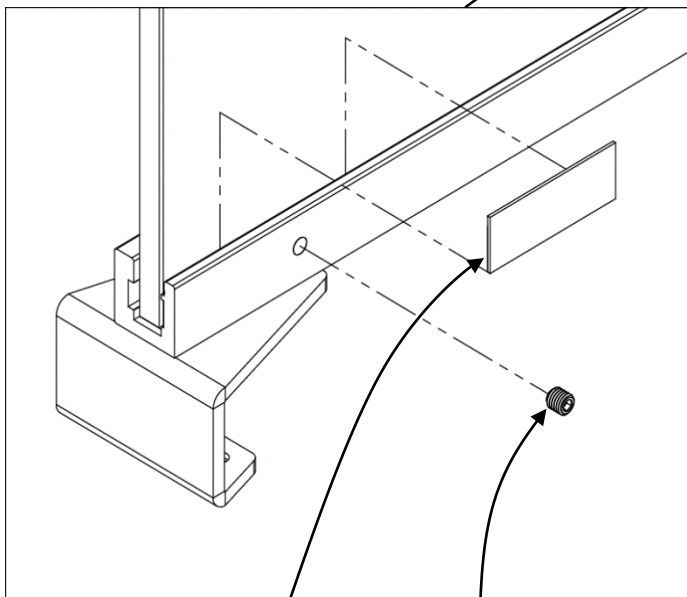
- Screw must not protrude beyond rail inner surface



Glass Territory Screen Installation



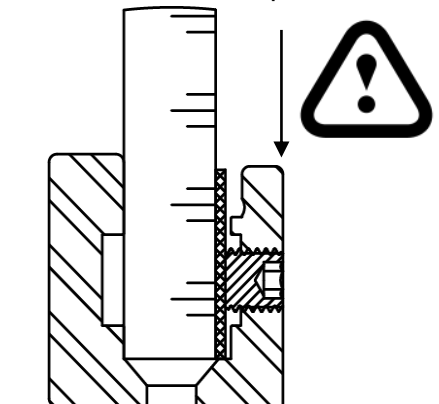
- Insert polycarbonate spacers (3 places) down in between glass screen and rail so that the spacer is located on the side directly behind the set screw holes.
- Install set screws (3 places), tightening to polycarbonate spacers. Check to insure set screw is not touching the glass surface and is flush 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

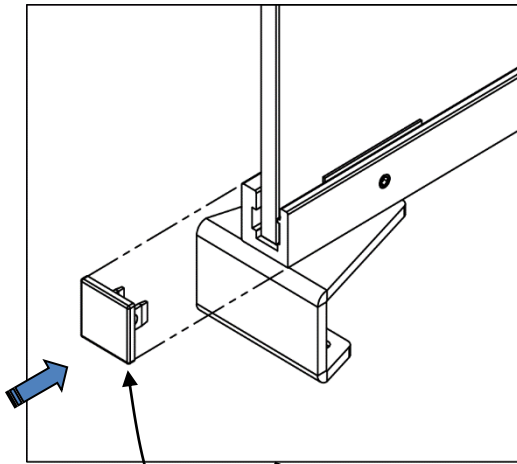
Flush surface
required



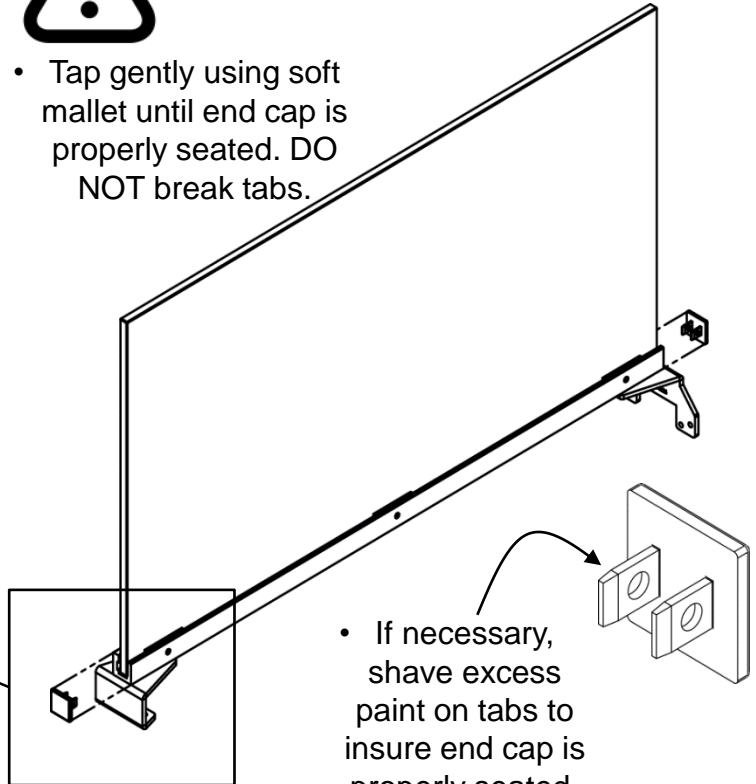
End Cap Installation



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



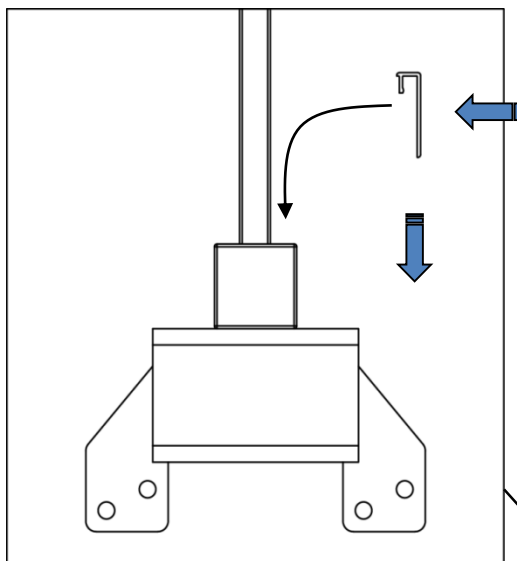
End Cap
(2 places)



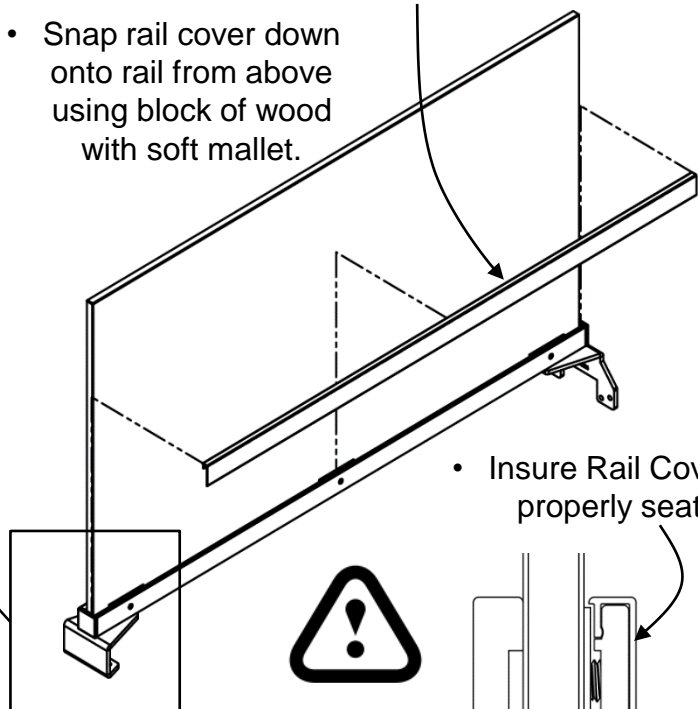
- If necessary, shave excess paint on tabs to insure end cap is properly seated.

Rail Cover Installation

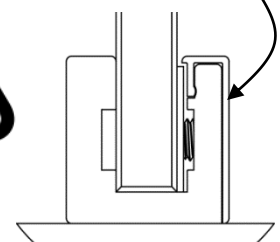
- Snap rail cover down onto rail from above using block of wood with soft mallet.

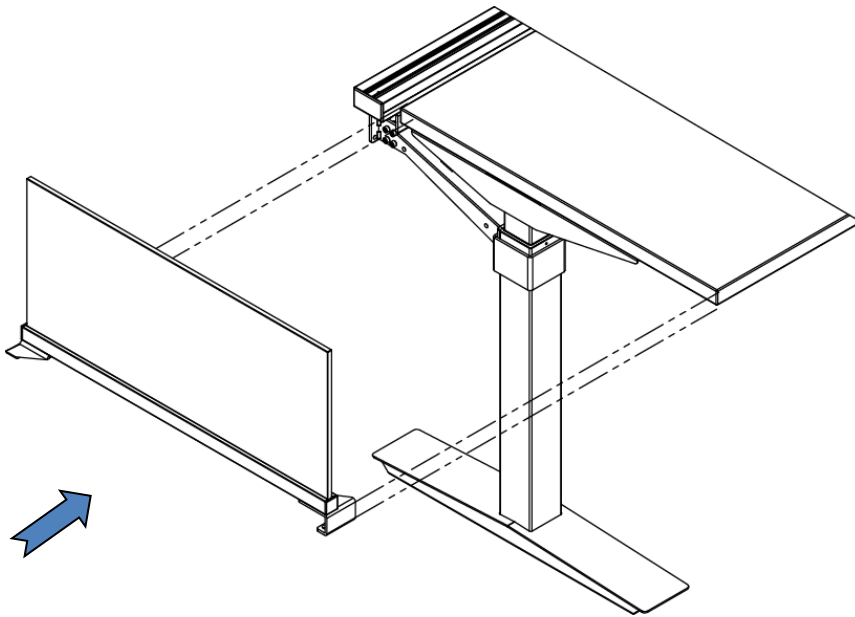


Rail Cover

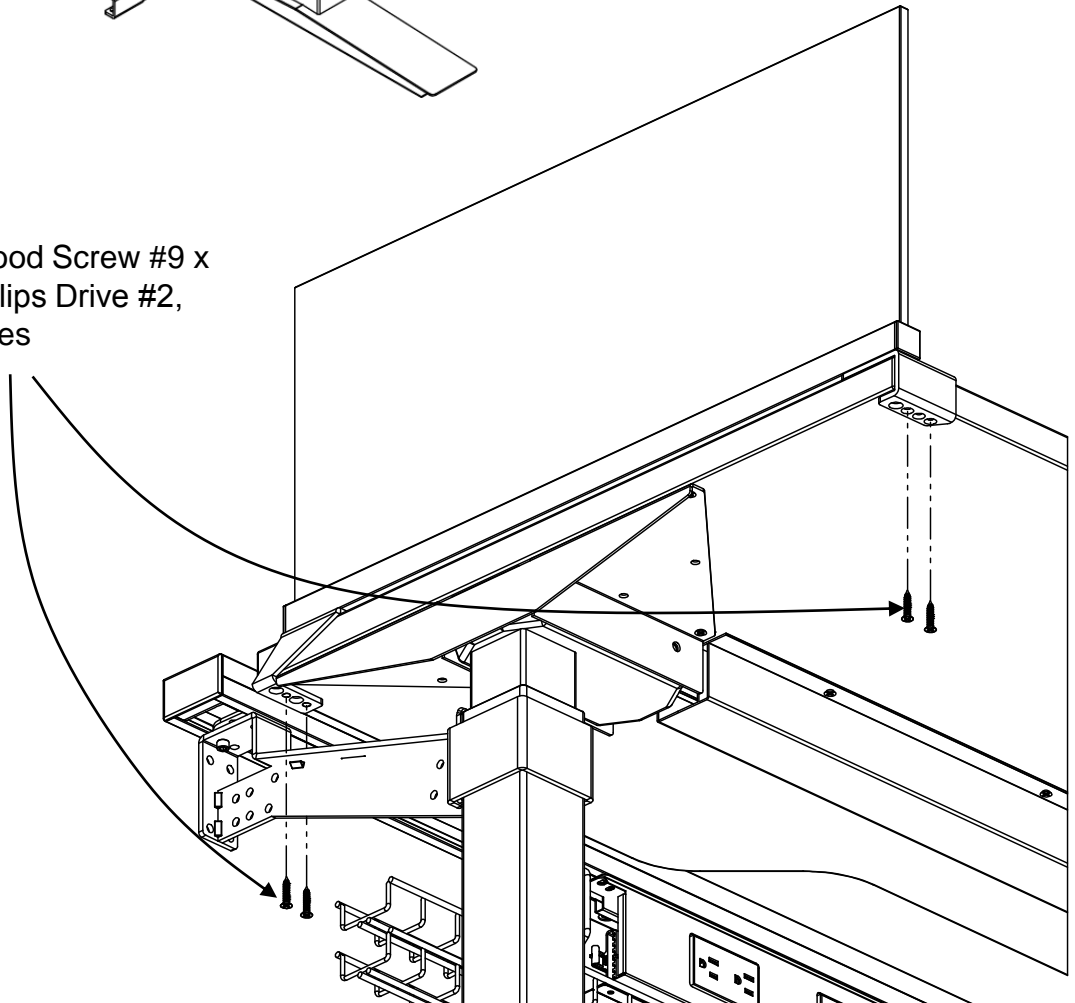


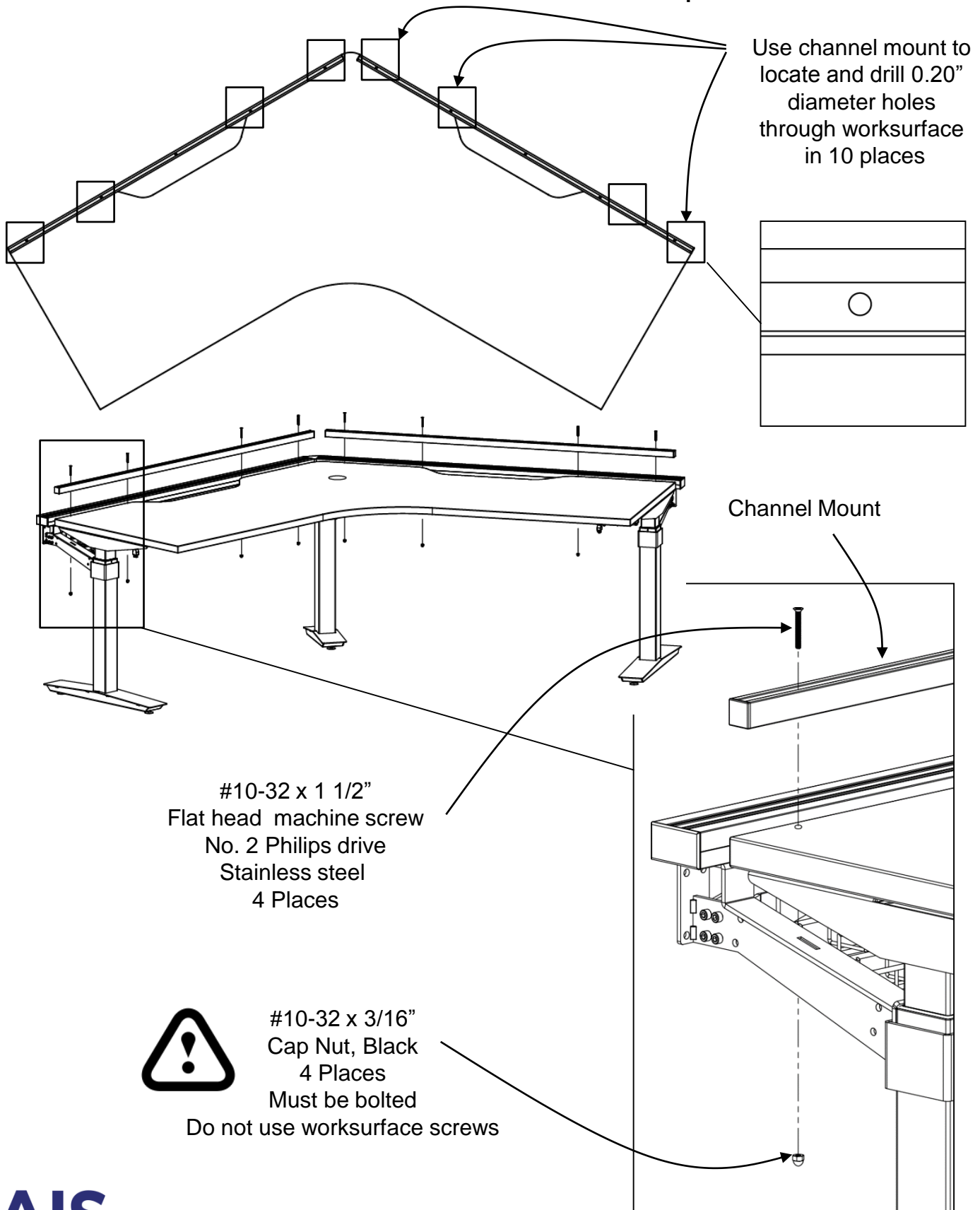
- Insure Rail Cover is properly seated



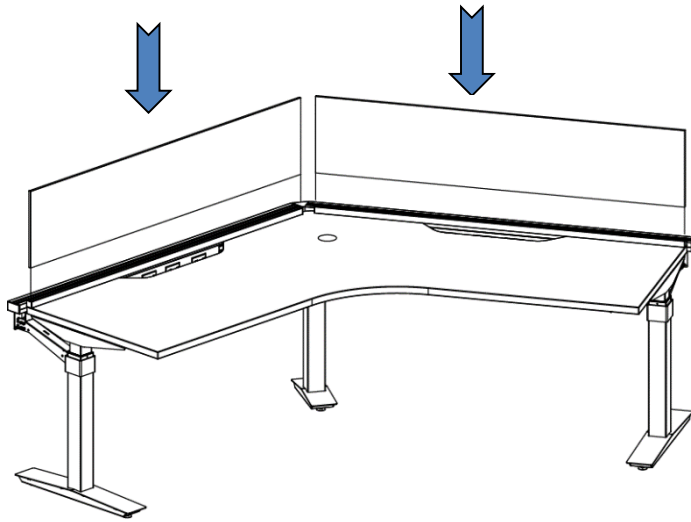


Flat Head Wood Screw #9 x
7/8" long Phillips Drive #2,
silver, 10 places



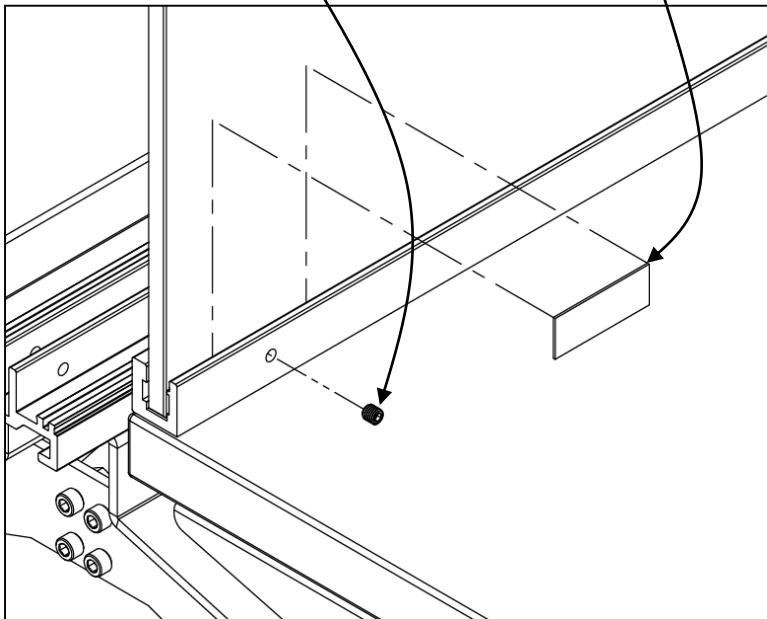


Install Glass into Channel Mount



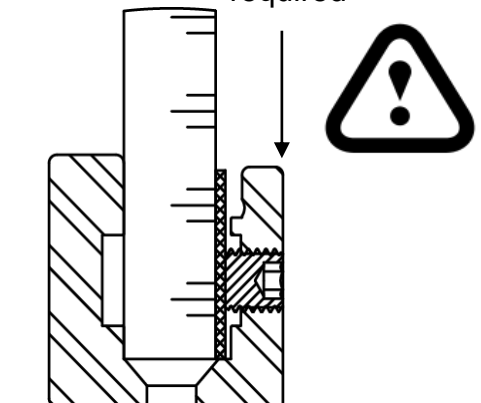
Set Screw
1/4-28 x 1/4"
3 places

Polycarbonate
Spacer 3 places

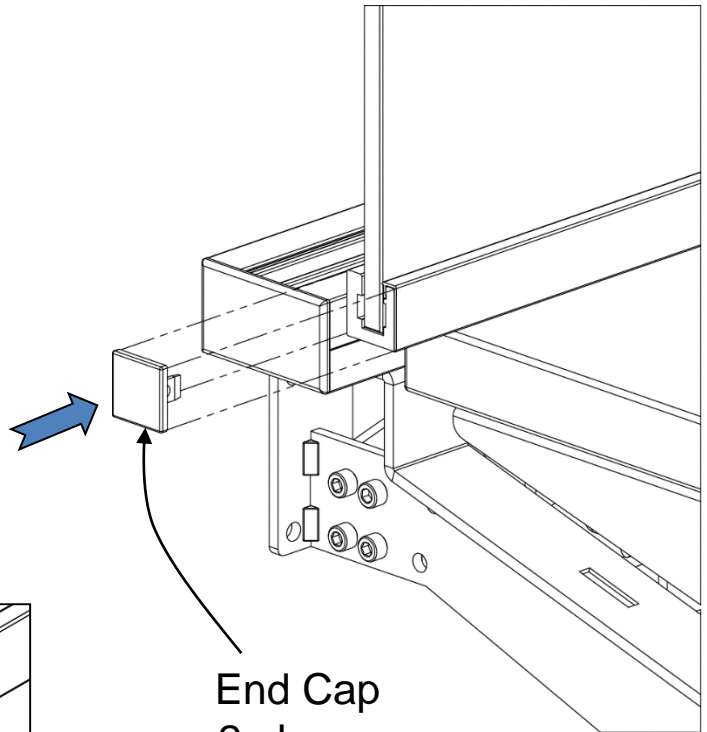
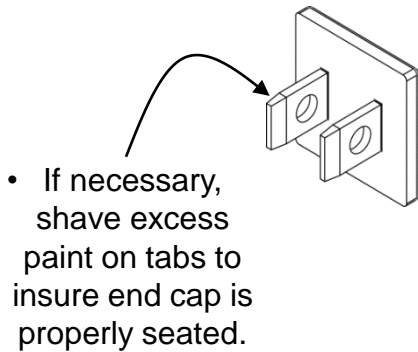


- Insert polycarbonate spacers (3 places) down in between glass screen and rail so that the spacer is located on the side directly behind the set screw holes.
- Install set screws (3 places), tightening to polycarbonate spacers. Check to insure set screw is not touching the glass surface and is flush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

Flush surface
required



End Cap Installation

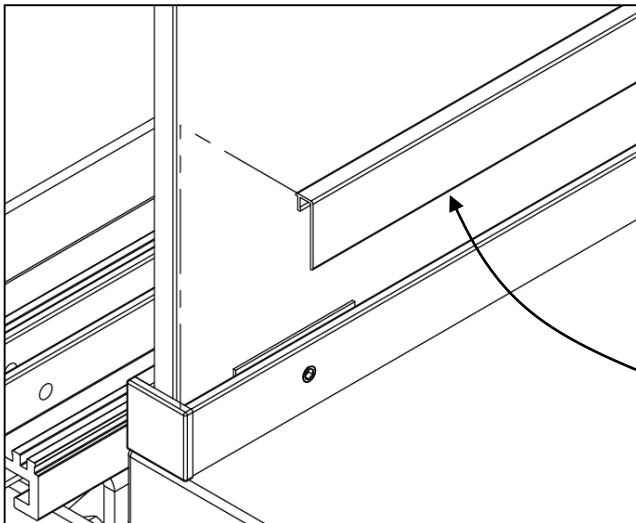


End Cap
2 places

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

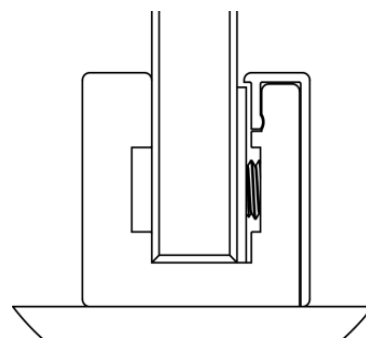
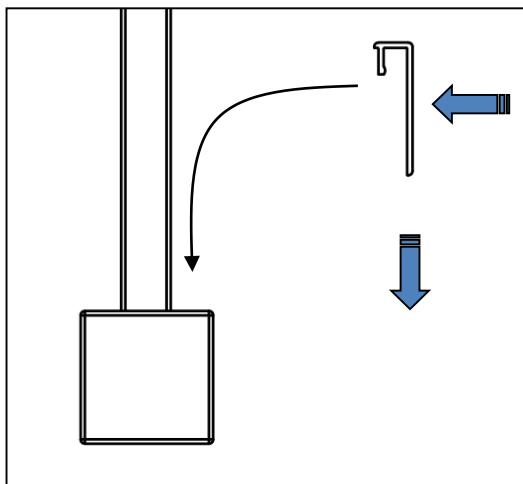


Rail Cover Installation



Rail Cover

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



- Insure Rail Cover is properly seated

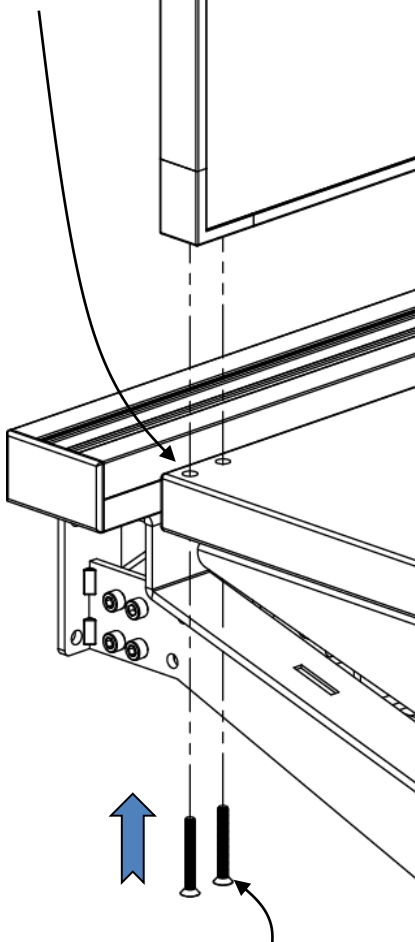
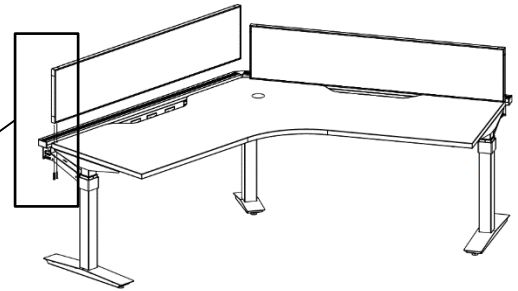
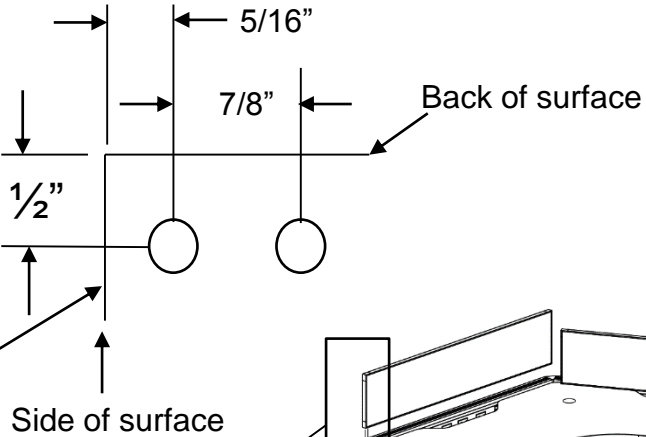


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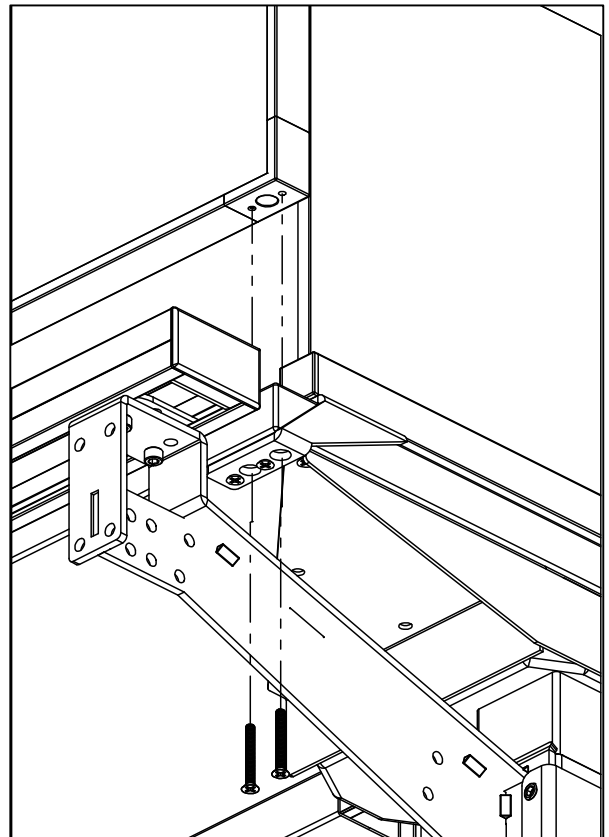
Tackable Spine Screen Install



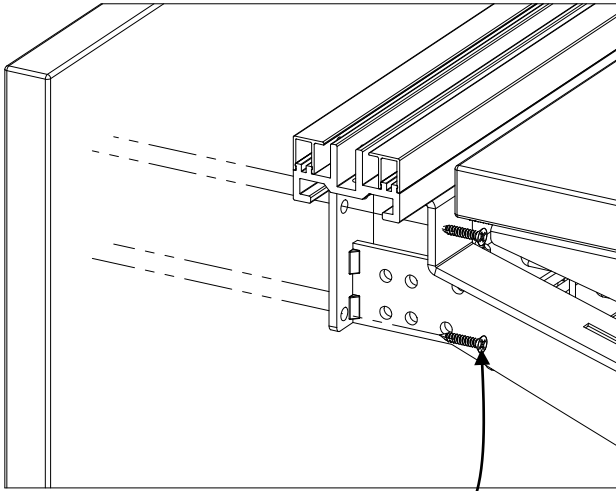
Drill 0.20" diameter holes
through worksurface
in 4 places



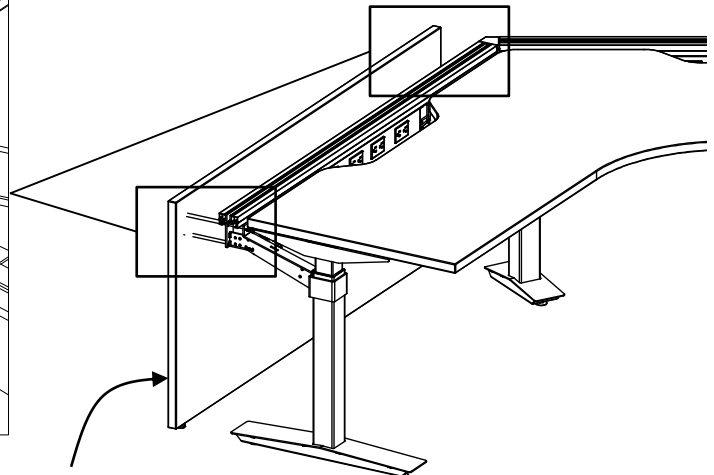
#10-32 x 1 1/2"
Flat head machine screw
No. 2 Philips drive
Stainless steel
4 Places



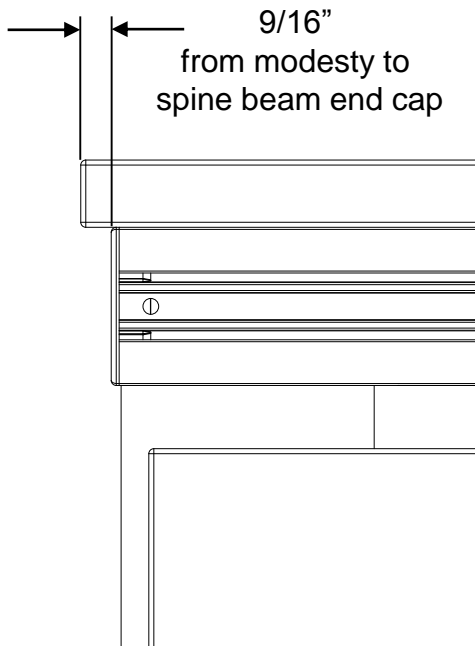
When both territory and spine screens
are required, attach territory screen
first. Then install spine screen, using
through holes in territory screen bracket



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

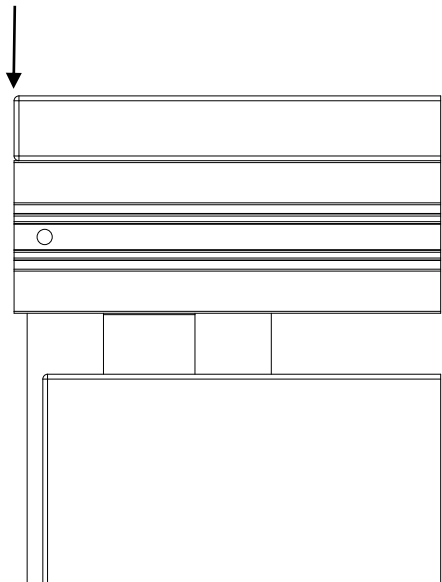


Modesty 1



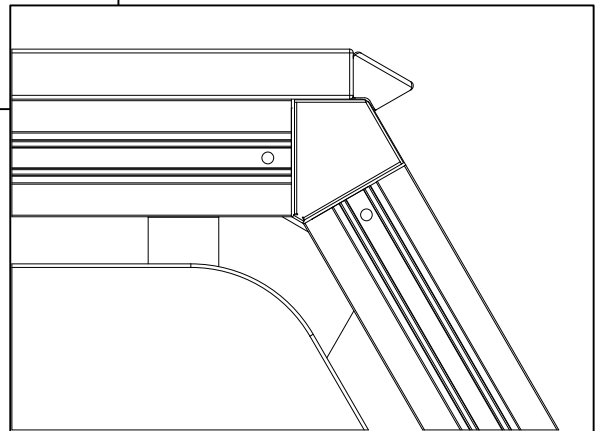
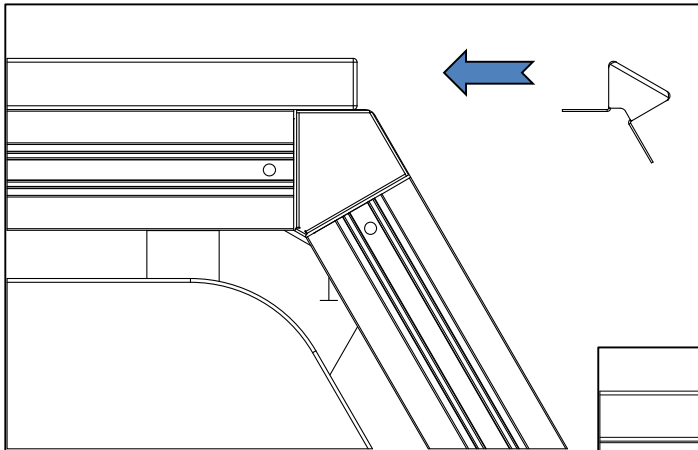
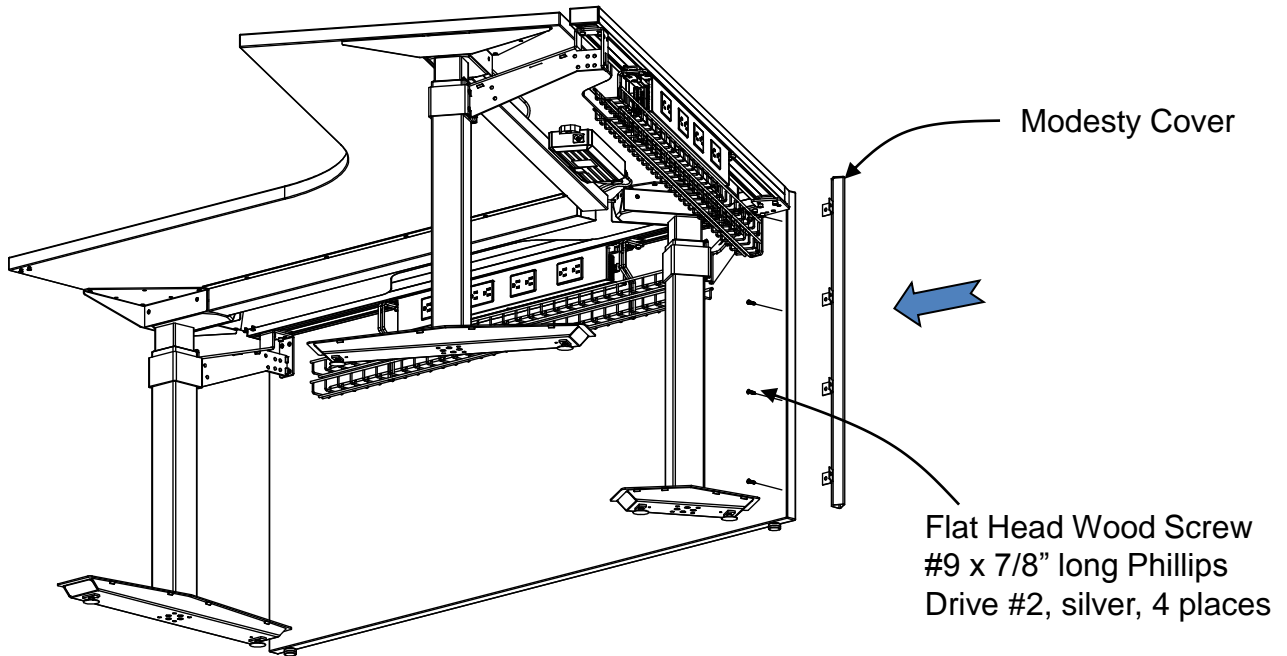
Top View
Position modesty as
shown when end
panels are required

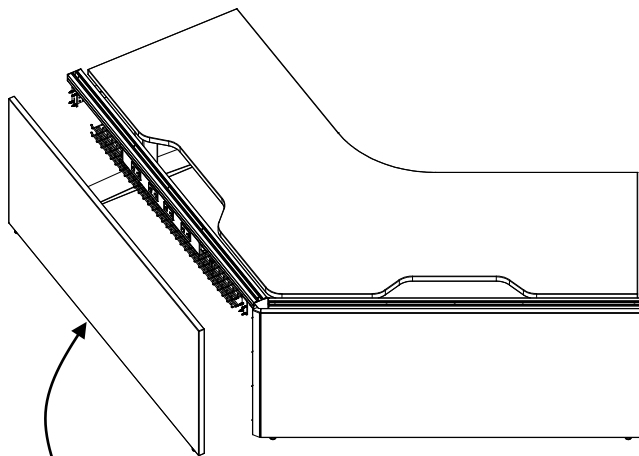
modesty
FLUSH
to spine beam



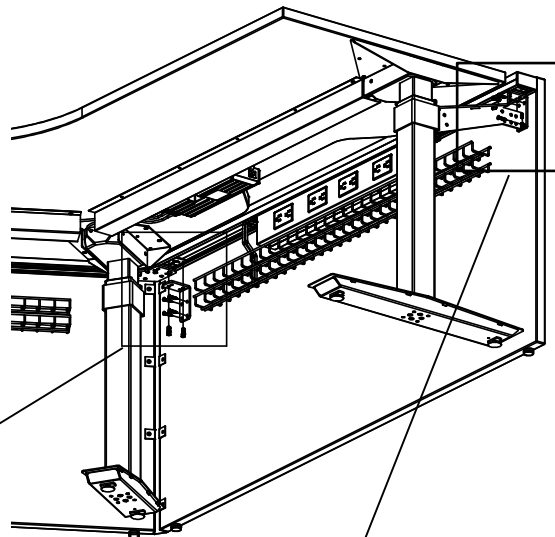
Top View
Position modesty as
shown when ganging
benches or when no end
panels are required

-- or --



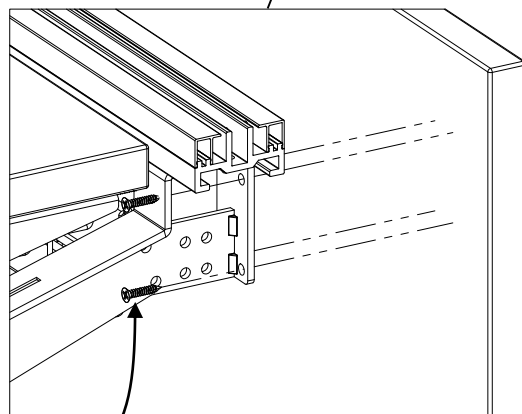
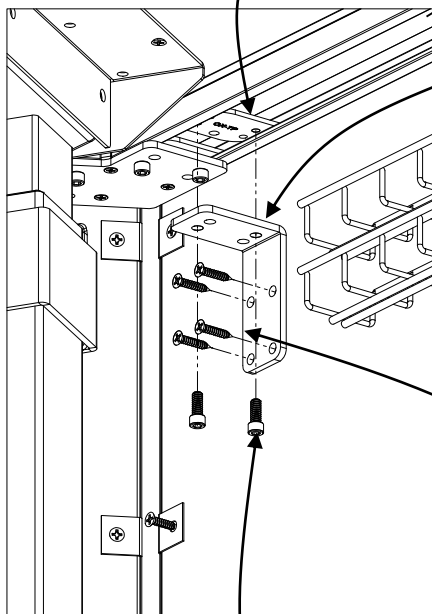


Modesty 2



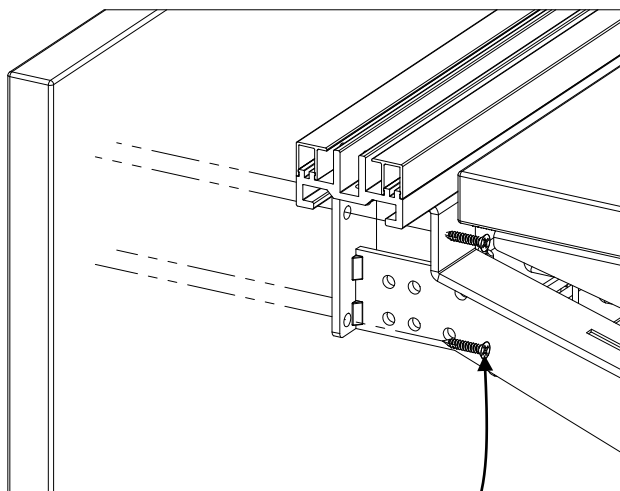
Twist Plate

Modesty Bracket



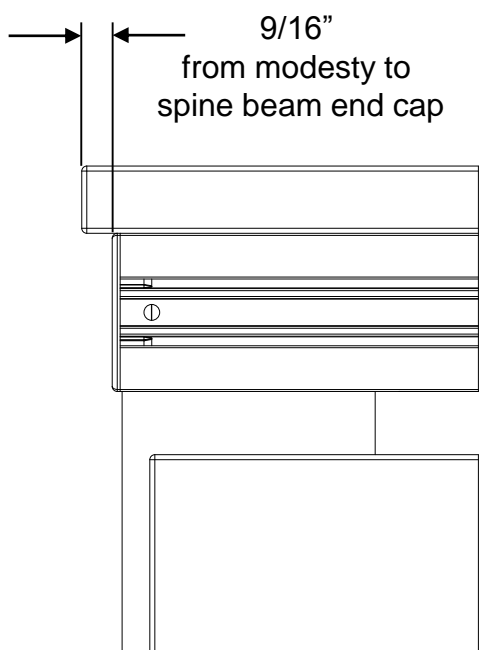
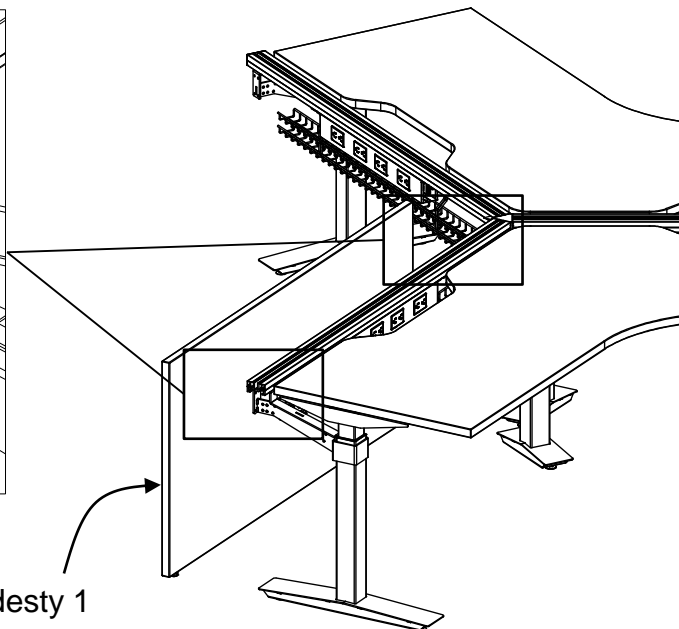
Flat Head Wood Screw
#9 x 7/8" long Phillips
Drive #2, silver, 8 places

Hex cap screw
1/4-20 x 5/8" long
3/16" hex drive
black, x2



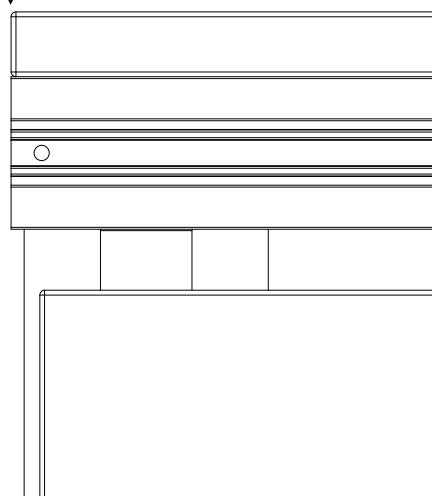
Flat Head Wood Screw
#9 x 7/8" long Phillips
Drive #2, silver, 8 places

Modesty 1



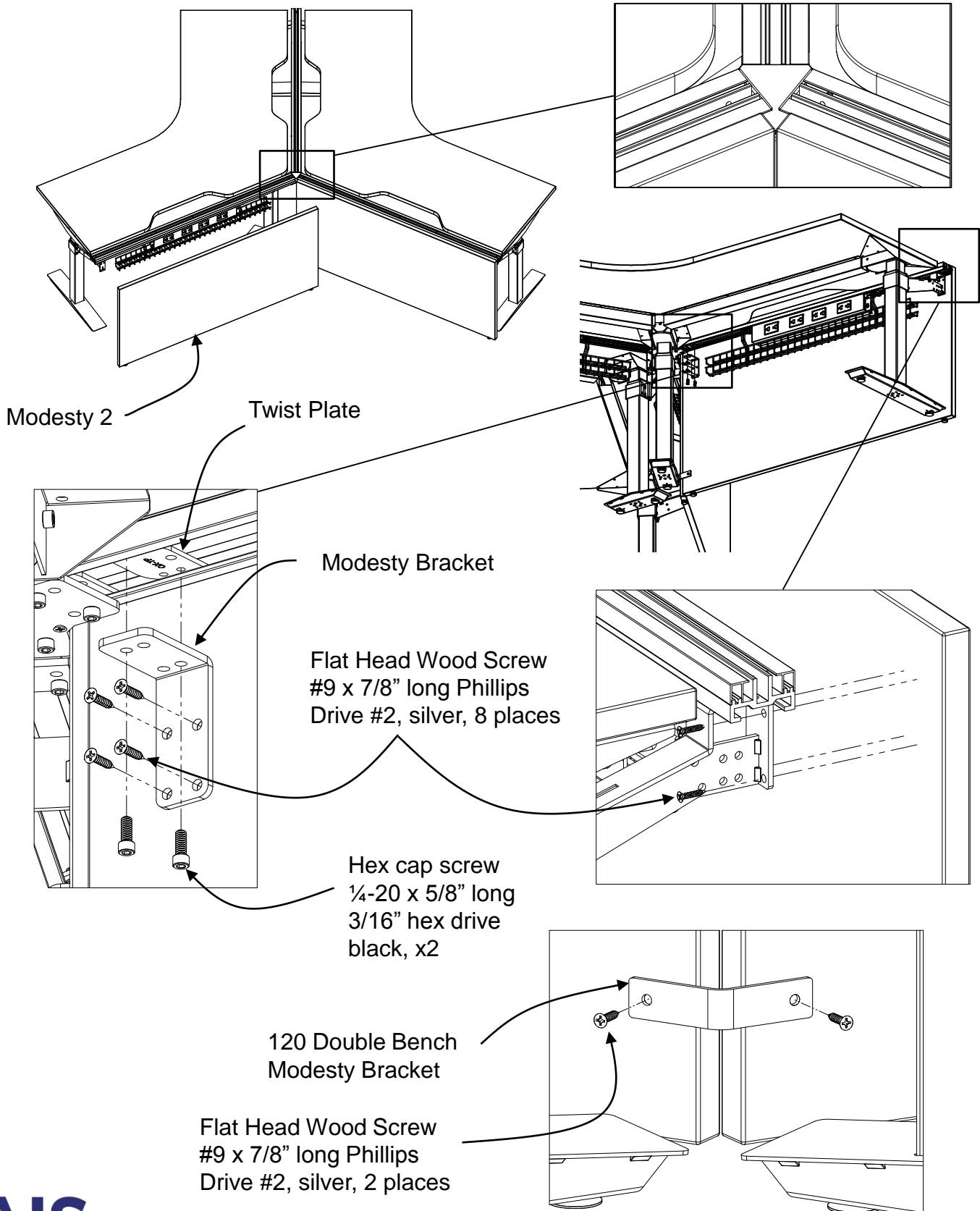
Top View
Position modesty as
shown when end
panels are required

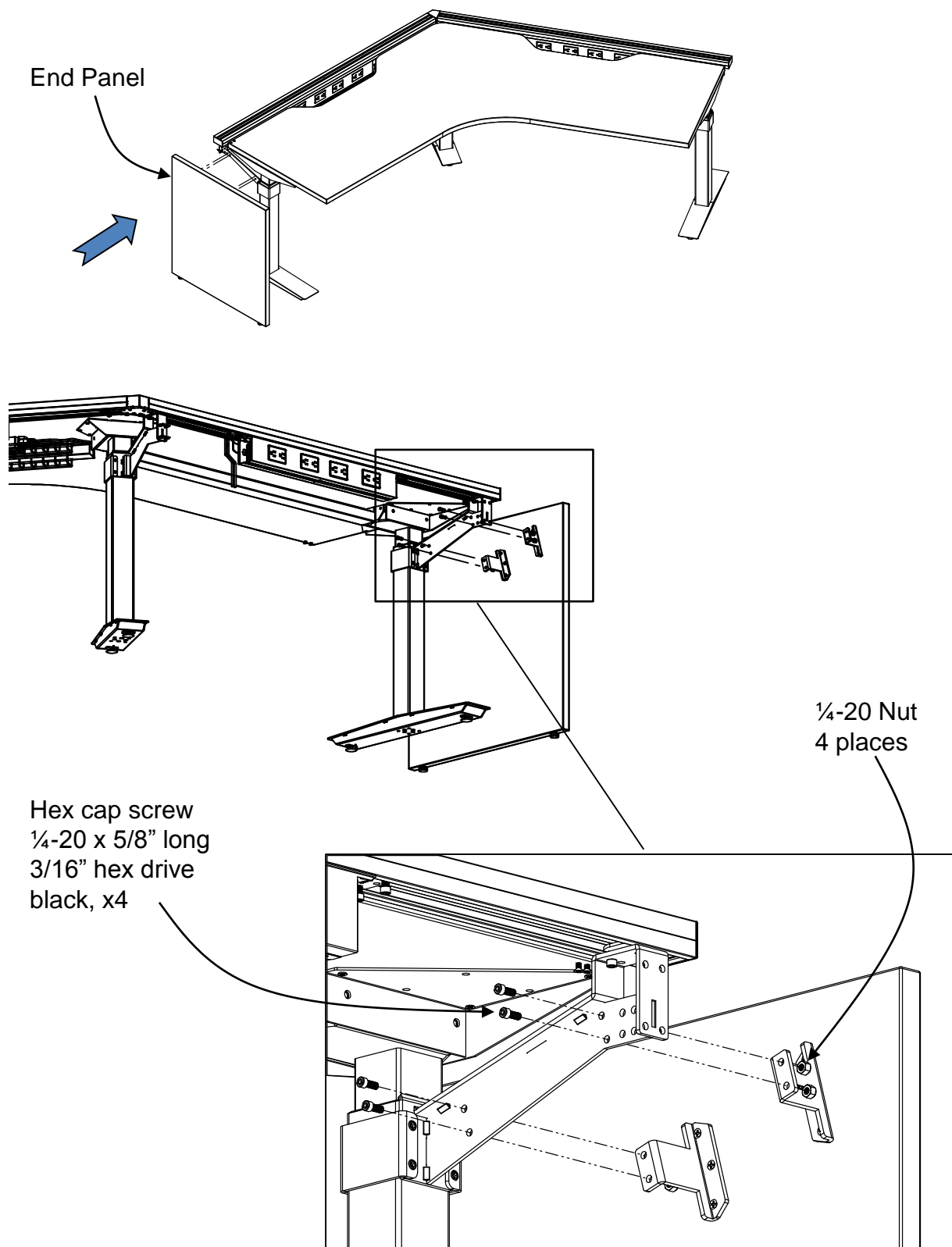
modesty
FLUSH
to spine beam



Top View
Position modesty as
shown when ganging
benches or when no end
panels are required

-- or --





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