

Aloft 2019 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, 4 AMP for 2 leg tables
120V, 60Hz, 5 AMP for 3 leg tables
- 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.

Date	Page No.	Description of change	Name
1/4/2019	1-46	Released	S. Powers
5/20/19	46-50	New pages for Double Arm Cover and Power Pole	S. Powers
6/4/19	46,48-49	Updated hardware for Power Pole	S. Powers
9/13/19	1	Added electrical rating for 2 leg, 3 leg	S. Powers
6/17/20	3-9,53-56	Replacement part numbers added, instruction for clip screens added new pages 53-56	S. Powers
9-25-20	45-51, 53-56	Clip screen installation instructions moved to C-CLIPINSTALL Channel screen installation instructions moved to C-CHANSFINSTALL	S. Powers
11/9/2020	35-37	Updated 2-Input control box and 90° cable	S. Powers

c



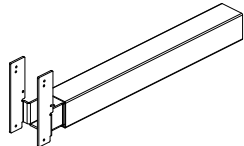
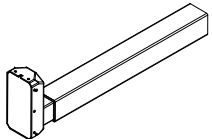


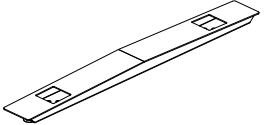
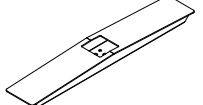
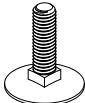
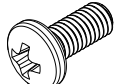
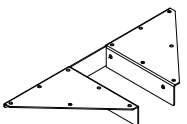
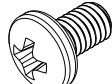
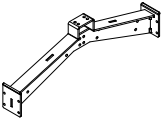
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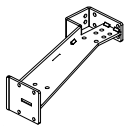
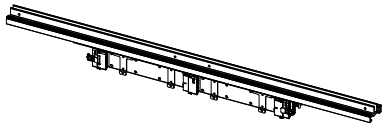

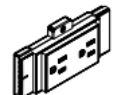
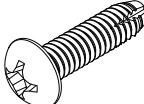
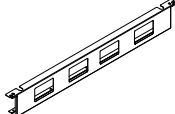
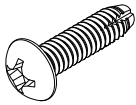
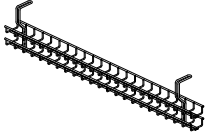
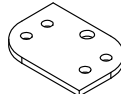
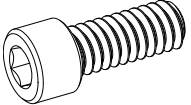
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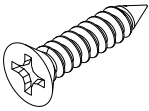
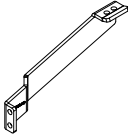
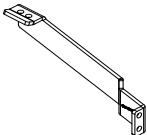

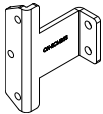
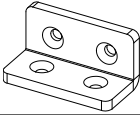
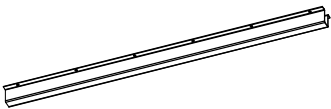

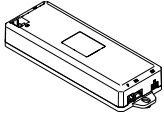
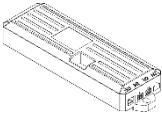


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Hardware List

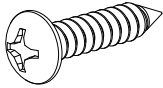




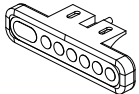

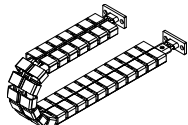
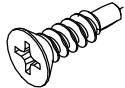

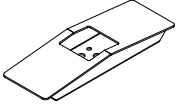
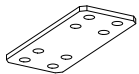
Item	Replacement Part Number	Circle Sheet Part Number	Description	Image
1	OX-SSSCRC2	OX-SSSCRC2	Fixed Height Leg	
2	RL-HAC70xx xx = BK (Black) xx = MS (Silver) xx = WT (White)	RL-HAC70xx xx = BK (Black) xx = MS (Silver) xx = WT (White)	Motorized Leg	
3	OX-CCSS	OX-CCSS	Compression Collar	
4	RH-92695A502	RH-92695A502	3/8-16 x 1/2" Set Screw	
5	OX-DFSS	OX-DFSS	Double Foot	
6	OX-SFSS	OX-SFSS	OX-SFSS	
7	RC-EL-BOLT	RC-EL-BOLT	Elevator Bolt	
8	RH-91239A319	RH-91239A319	M6 x 1 x 14mm Button Head Screw	
9	T-HAC	T-HAC	Cantilever	
10	RH-91420A425	RH-91420A425	Flat Head Screw M6 x 10mm long	
11	OX-DBASS	OX-DSBASS	Double Bench Spine Beam Arm	

Item	Replacement Part Number	Circle Sheet Part Number	Description	Image
12	OX-SSBASS	OX-SSBASS	Single Bench Spine Beam Arm	
13			Non-Powered Spine Beam Assembly 36-96W	
14			Powered Spine Beam Assembly 36-96W	
15	E-MW8W4DOx X = 1,2,3 or 4	E-MW8W4Dx X = 1,2,3 or 4	Duplex Outlet Line 1 - 4	
16	RE-HS1058F	RE-HS1058F	Pan Head Thread Cutting Screw #10-24 x 5/8" long	
17	RE-DEQPM	RE-DEQPM	Electrical Quad Face Plate	
18	RH-83238B	RH-83238B	Pan Head Thread Cutting Screw #8-32 x 3/8" long	
19	OX-WFTxx xx = Nominal length	OX-WFTxx xx = Nominal length	Wire Basket	
20	O-TB	OX-TP-I	Twist Plate	
21	RH-SHB142058B-I	RH-SHB142058B-I	Hex Cap Screw 1/4-20 x 5/8" long	

Item	Replacement Part Number	Circle Sheet Part Number	Description	Image
22	RH-QS0978	RH-QS0978	Flat Head Screw #9 x 7/8" Long	
23	OX-SBCBSSL	OX-SBCBSSL	Cross Brace Left	
24	OX-SBCBSSR	OX-SBCBSSR	Cross Brace Right	
25	RH-95479A111	RH-95479A111	1/4-20 Hex Nut	
26	OX-ECMBSS	OX-ECMBSS	End Panel Bracket	
27	OX-LB	OX-LB	L-Bracket	
28	RT-BTxx-x-A xx-x = Actual Length Ex. (55-5 = 55.5")	RT-BTxx-A xx = Actual Length Ex. (55-5 = 55.5")	Trough	
29	See Catalog		18-86" Electrical Jumper 18,21 = mesh 24-86 = metal	
30	RL-2LCB	RL-2LCB	2-Input Control Box	
31	RL-3LCB	RL-3LCB	3-Input Control Box	

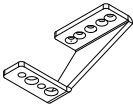
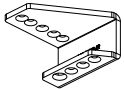

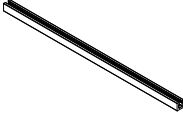

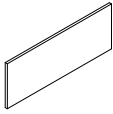

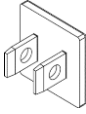
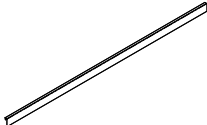
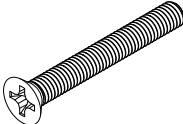
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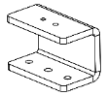

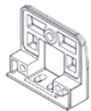


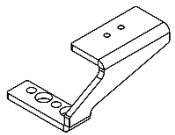
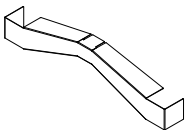
Hardware List

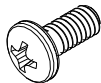
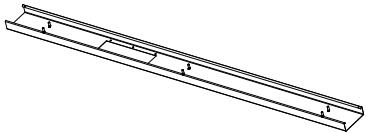
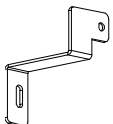

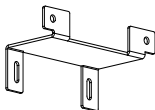
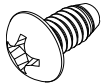


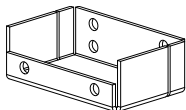
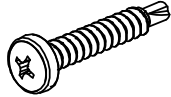
Item	Replacement Part Number	Circle Sheet Part Number	Description	Image
32			Pan Head Wood Screw #10 x 7/8" long	
33	RL-2LCK90	RL-2LCK90	90° 1.3m long Extension Cable	
34	RL-3LCK90	RL-3LCK90	90° 2.5m long Extension Cable	
35	RL-2LCK	RL-2LCK	1.3m long Extension Cable	
36	RL-3LCK	RL-3LCK	2.5m long Extension Cable	
37	RL-PHS	RL-PHS	Programmable Control Pad	
38			Pan Head Screw #6 x 1/2" long	
39	RA-TVWM30	RA-TVWM30	Vertical Wire Manager	
40			Flat Head Screw #6 x 1/2" long	
41			Zip Tie	
42	OX-RFSS	OX-RFSS	Return Foot	
43	RWPS-FP	RWPS-FP	Flat Plate	

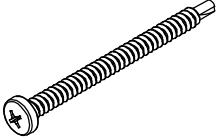
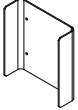

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Hardware List

Item	Replacement Part Number	Circle Sheet Part Number	Description	Image
44	OX-TSRBR (Right) OX-TSRBL (Left)	OX-TSRBR (Right) OX-TSRBL (Left)	Rear Bracket Left or Right	
45	OX-SLSFMR (Right) OX-SLSFML (Left)	OX-SLSFMR (Right) OX-SLSFML (Left)	Front Bracket Left or Right	
46	RH-MSZFP103212	RH-MSZFP103212	Flat Head Machine Screw #10-32 x 1/2" long	
47	OX-TFBExx xx = 22 (for 24D) xx = 28 (for 30D)	OX-TFBExx xx = 22 (for 24D) xx = 28 (for 30D)	Rail	
48	MSZFPU1032516B	MSZFPU1032516B	Flat Head Machine Screw #10-32 x 5/16" long	
49	OX-GCP2	OX-GCP2	Polycarbonate Spacer, clear	
50	RH-SHSS142814	RH-SHSS142814	Set Screw 1/4-28 x 1/4" long	
51	OX-TFBEEC	OX-TFBEEC	End Cap	
52	OX-TFBExx xx = 222 (for 24D) xx = 228 (for 30D)	OX-TFBExx xx = 222 (for 24D) xx = 228 (for 30D)	Rail Cover	
53	RH-90273A836	RH-90273A836	Flat Head Machine Screw #10-32 x 1 1/2" long	

Item	R3replacement Part Number	Circle Sheet Part Number	Description	Image
54	RH-NUTA1032	RH-NUTA1032	Cap Nut #10-32 X 3/16" long	
55	RA-UMGC	RA-UMGC	Under Surface Mounting Bracket	
56	RH-90272A240	RH-90272A240	Pan Head Screw #10-24 x 3/8" long	
57	RP-CGF14 (for 1/4") RP-CGF38 (for 3/8") RP-CGF 58 (for 1/2")	RP-CGF14 (for 1/4") RP-CGF38 (for 3/8") RP-CGF 58 (for 1/2")	Female Clamp for 1/4", 3/8" or 1/2" screens	
58	RP-UNFGCG	RP-UNFGCG	Gasket	
59	RP-CGM	RP-CGM	Male Clamp	
60	RH-MSSHF142858	RH-MSSHF142858	Flat Head Socket Screw 1/4-28 x 5/8" long	
61	OX-BRTCUL (left) OX-BRTCUL (right)	OX-BRTCUL (left) OX-BRTCUL (right)	Territory Under Surface Front Mounting Bracket Left or Right Handed	
62	RA-RTCUL (left) RA-RTCUR (right)	RA-RTCUL (left) RA-RTCUR (right)	Territory Under Surface Rear Mounting Bracket Left or Right Handed	
63	OX-ADAMC	OX-ADAMC	Double Arm Cover	

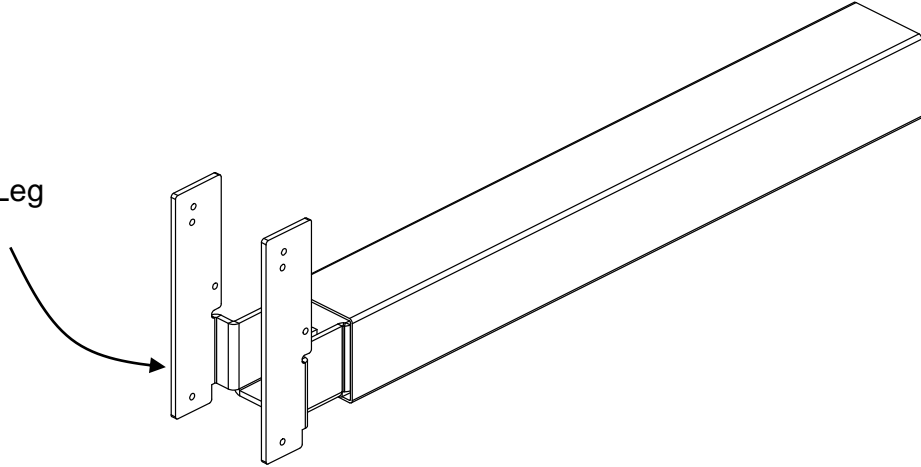
Item	Replacement Part Number	Circle Sheet Part Number	Description	Image
64	RP-MXHS83214A	RP-MXHS83214A	#8-32 x 5/16" long Pan Head Screw	
65	OX-PPBS	OX-PPBS	Power Pole Bottom Shell	
66	OX-SPPMBx x = L (Left) x = R (Right)	OX-SPPMBx x = L (Left) x = R (Right)	Single Bench Power Pole Mounting Bracket	
67	RA-KEYBN2	RA-KEYBN2	#8-32 Acorn Nut	
68	OX-APPMB	OX-APPMB	Double Bench Power Pole Mounting Bracket	
69	RE-HS1058F-B	RE-HS1058F-B	Flat Head Thread Cutting Screw #10-24 x 5/8" long	
70	RH-90273A829	RH-90273A829	Flat Head Machine Screw #10-32 x 1/2" long	
71	RH-HNZ1032	RH-HNZ1032	#10-32 Cap Nut	
72	OX-APPFB	OX-APPFB	Double Bench Power Pole Foot Bracket	
73	RH-94060A249	RH-94060A249	Pan Head Self Drilling Screw #10 x 1 1/4" long	

Item	Replacement Part Number	Circle Sheet Part Number	Description	Image
74			Pan Head Drilling Screw #10 x 2 1/2"	
75	RA-PPCP	RA-PPCP	Power Pole Coupler	
76	RA-PPCV	RA-PPCV	Power Pole Cover	

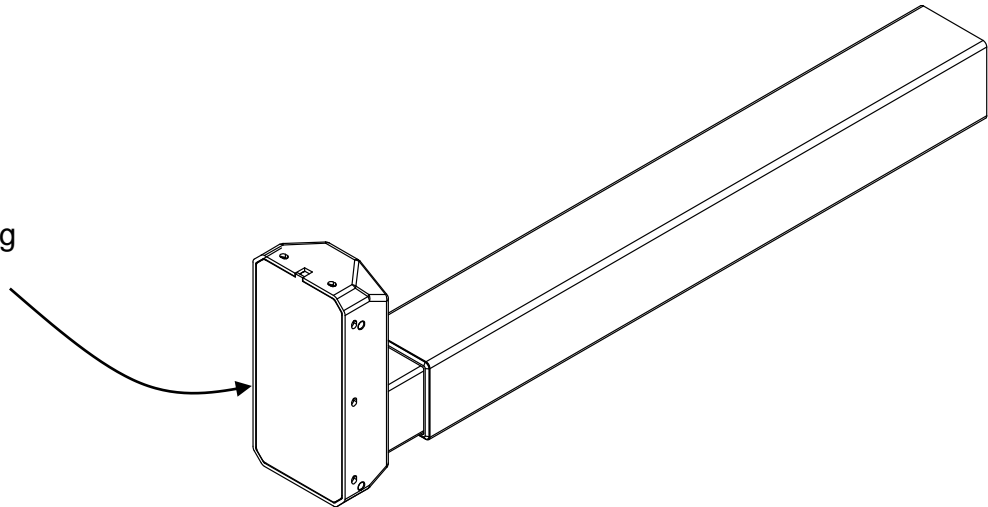
Note:

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

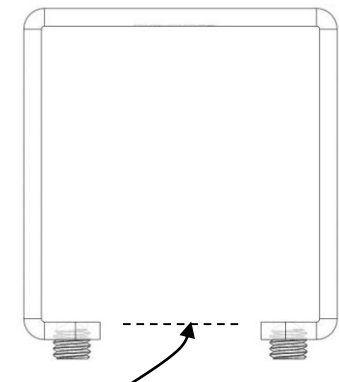
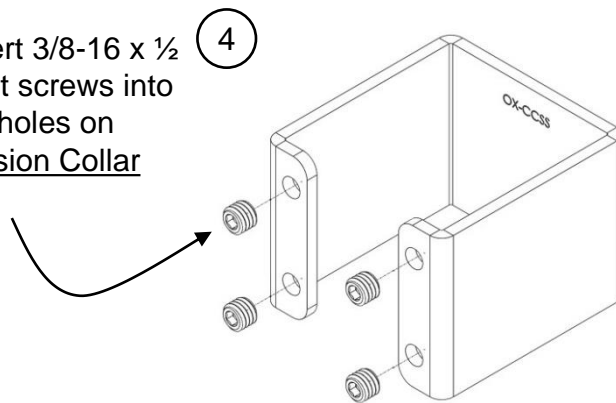
① Fixed Height Leg



② Motorized Leg

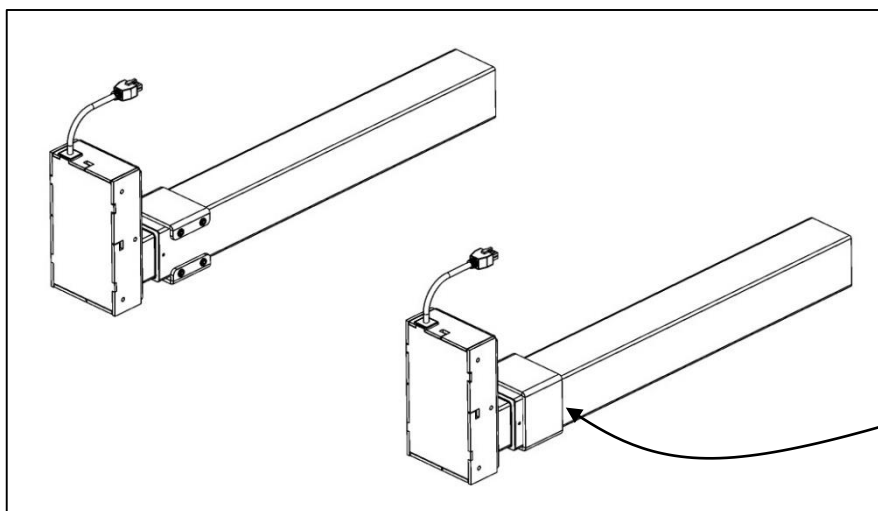
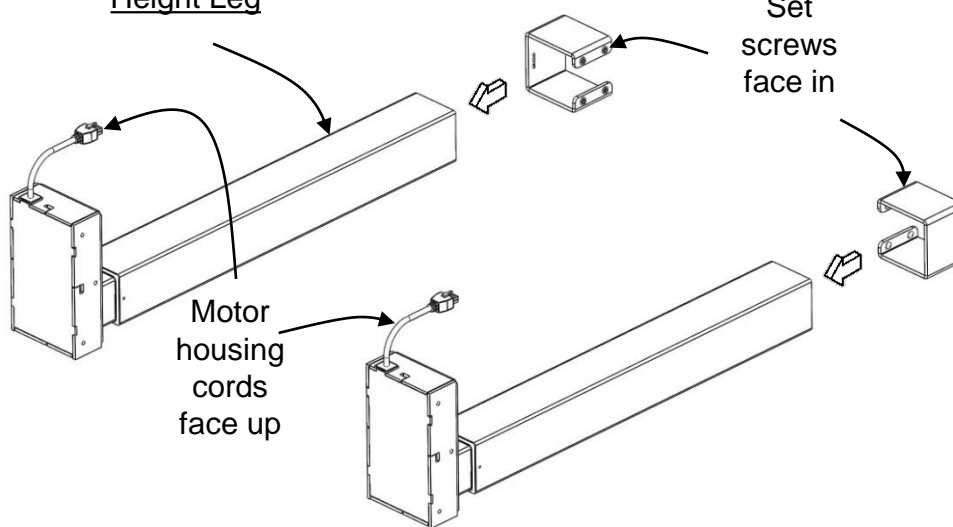


- Partially insert 3/8-16 x 1/2 inch long set screws into tapped holes on Compression Collar
- 3
- 4

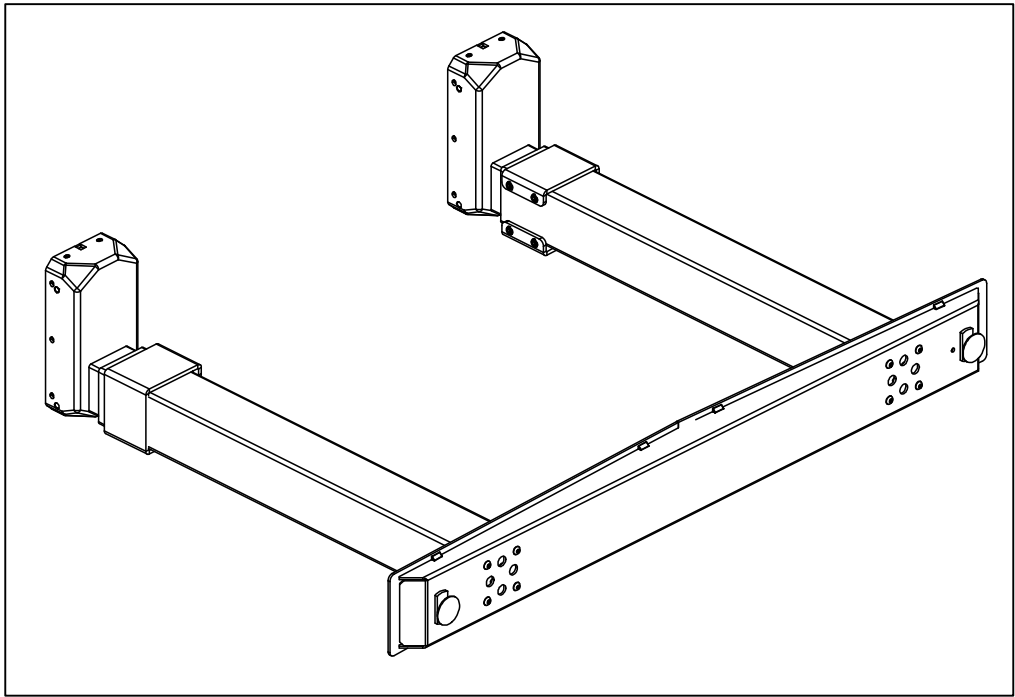
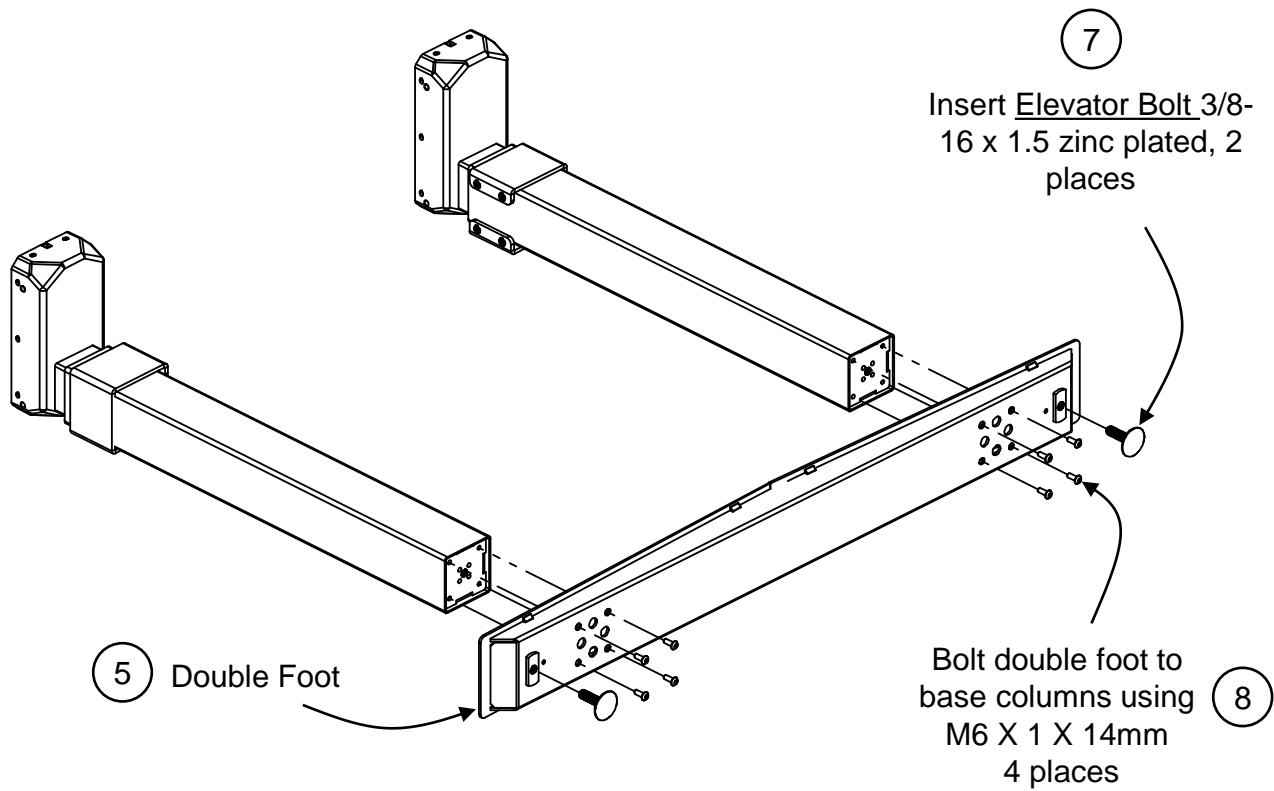


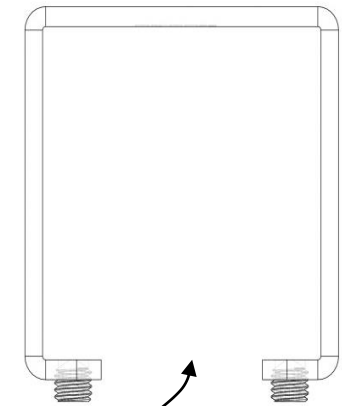
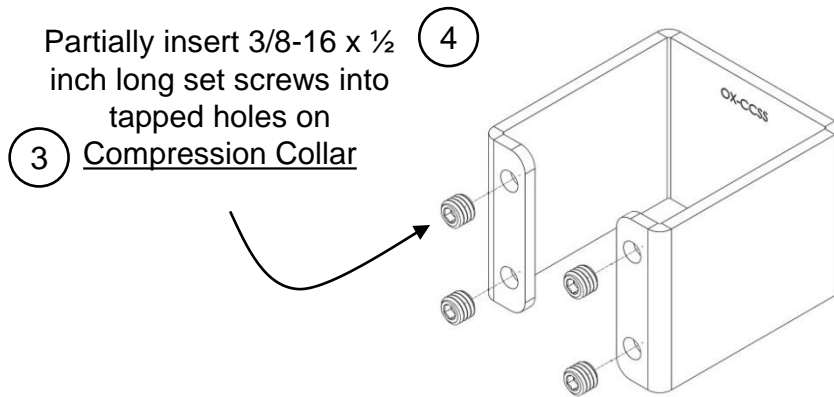
Make sure set screw tips **DO NOT** protrude past inside wall of collars.

Motorized, Crank or Fixed Height Leg



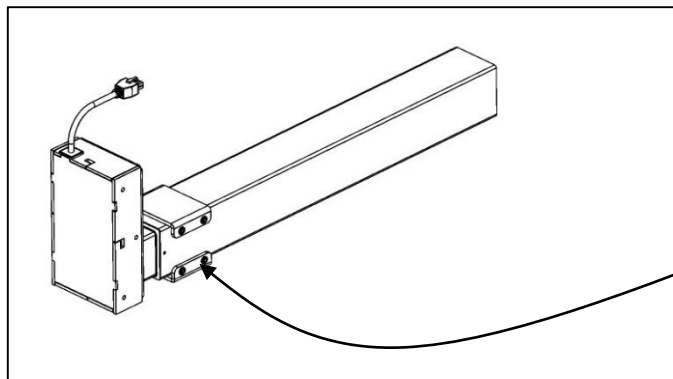
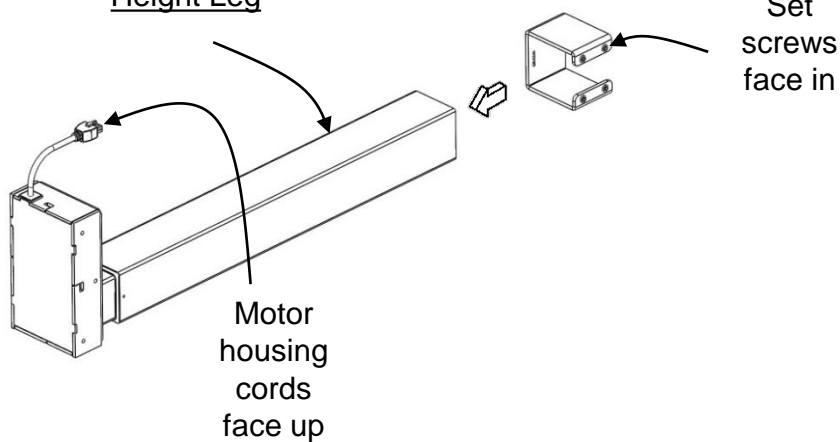
Slide compression collars over base columns to top, set screws facing as shown. Be careful not to scratch base columns.



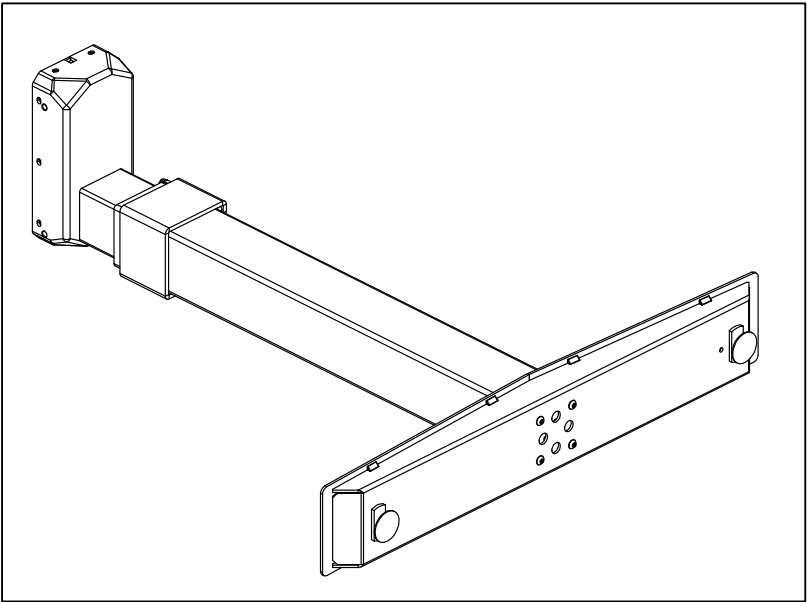
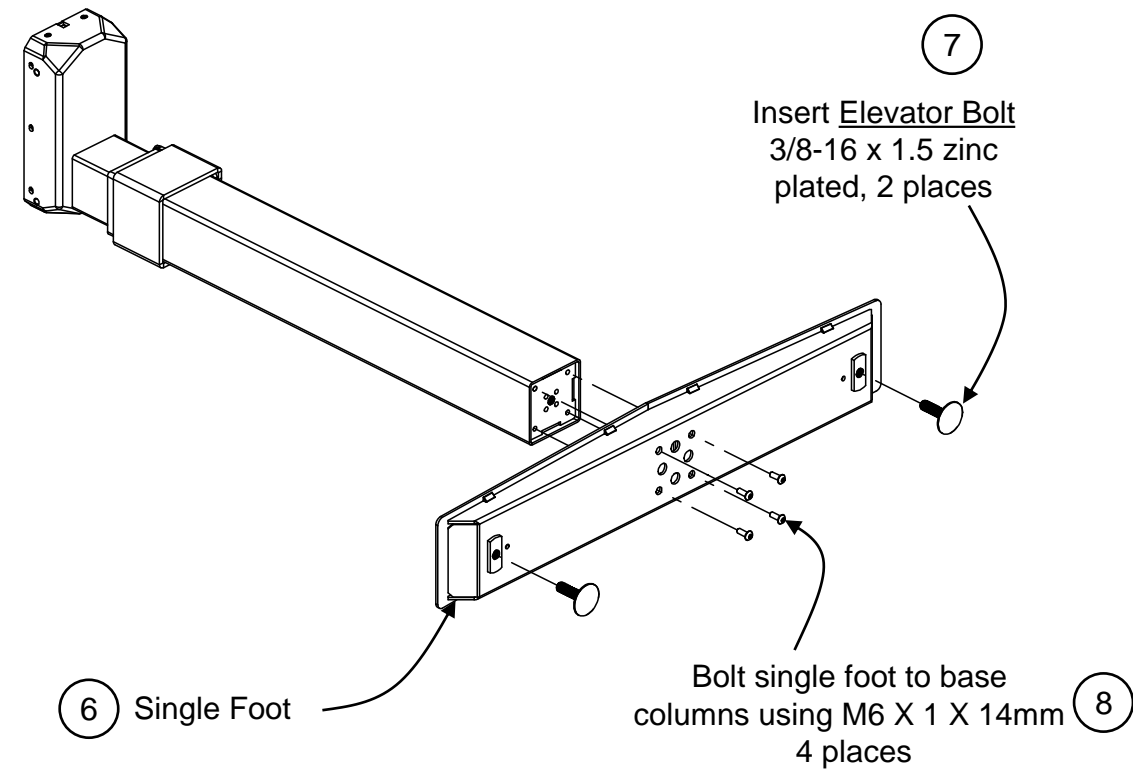


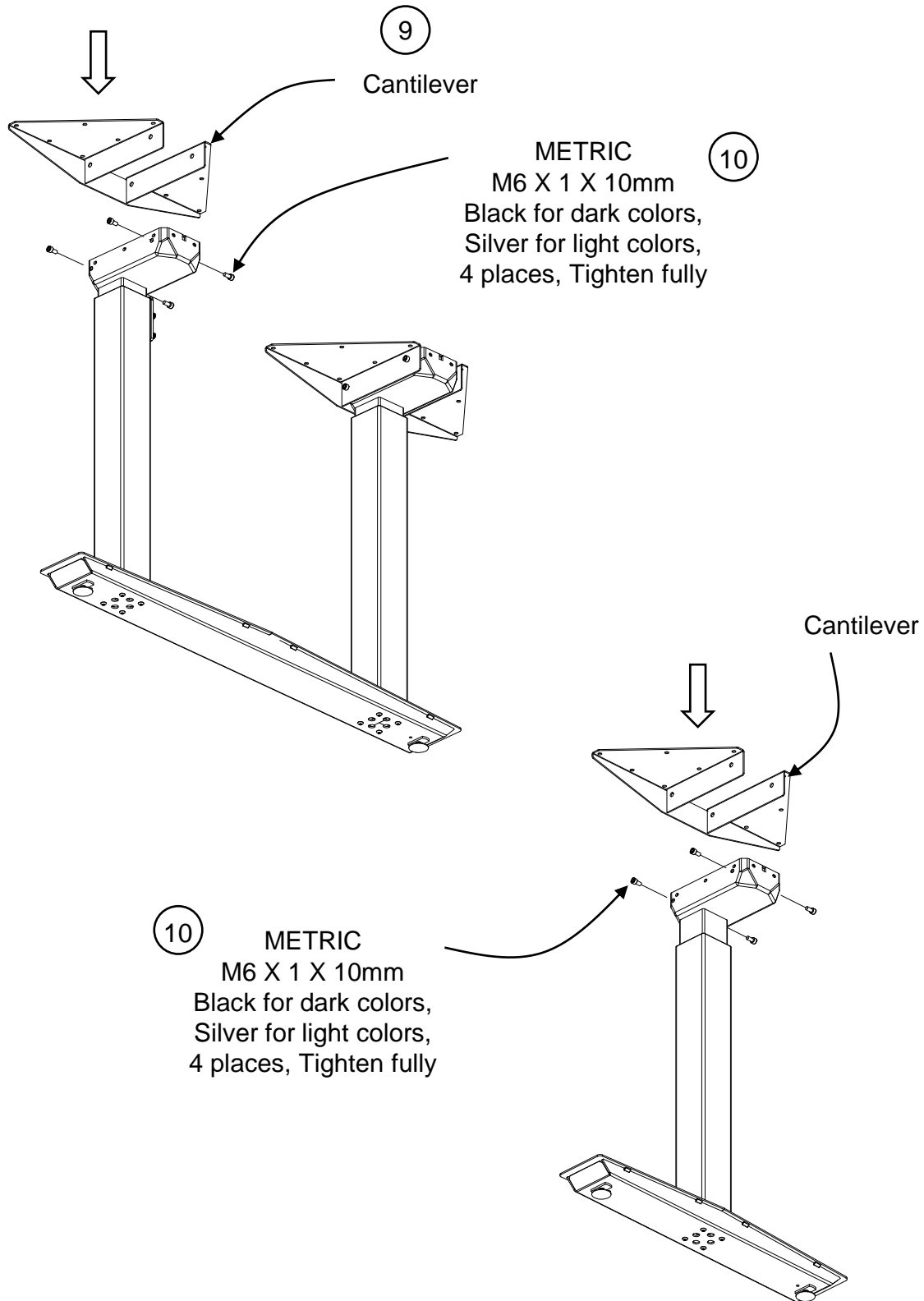
Make sure set screw tips
DO NOT protrude past
inside wall of collars.

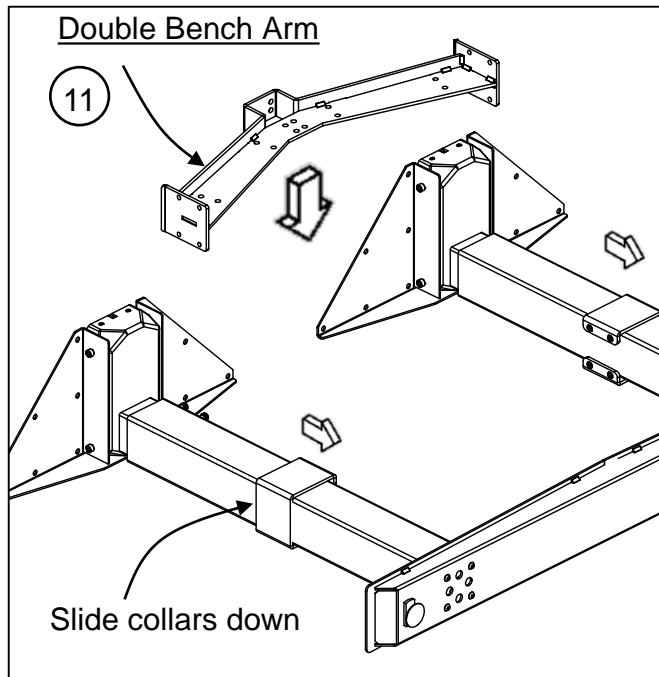
Motorized, Crank or Fixed
Height Leg



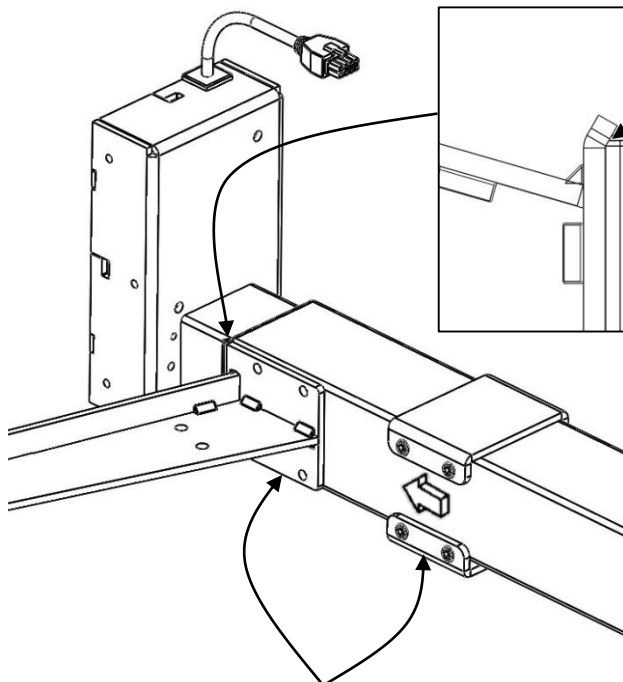
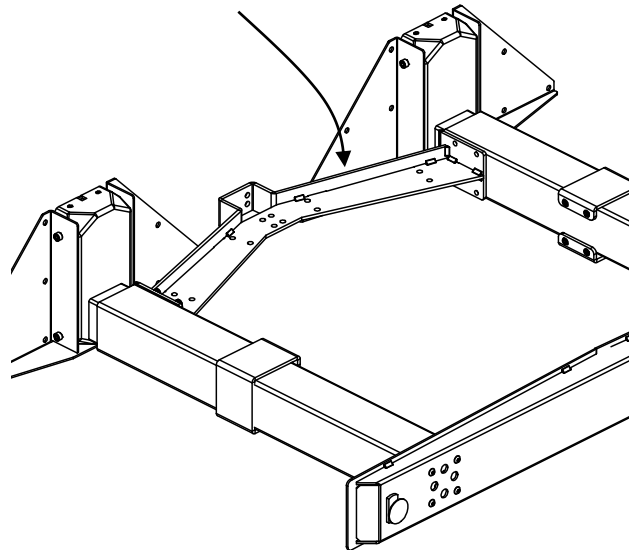
Slide compression collar
over base column to top,
set screws facing as
shown. Be careful not to
scratch base columns.







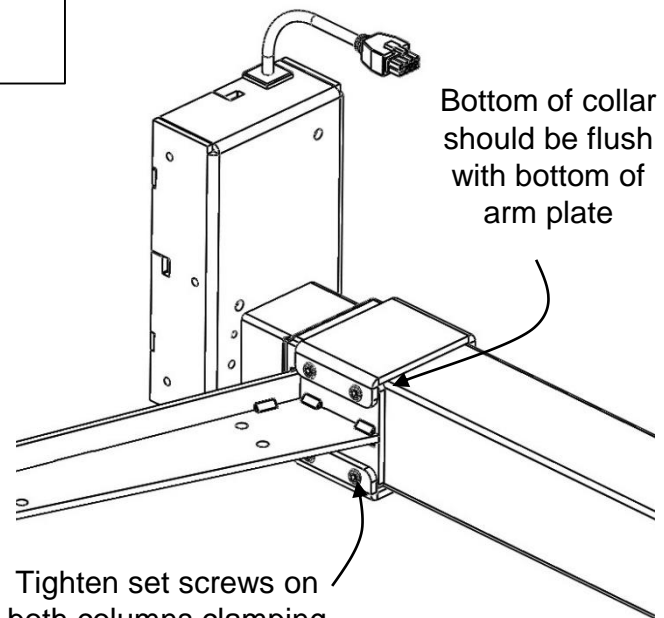
Slide arm assembly
down in between columns.



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

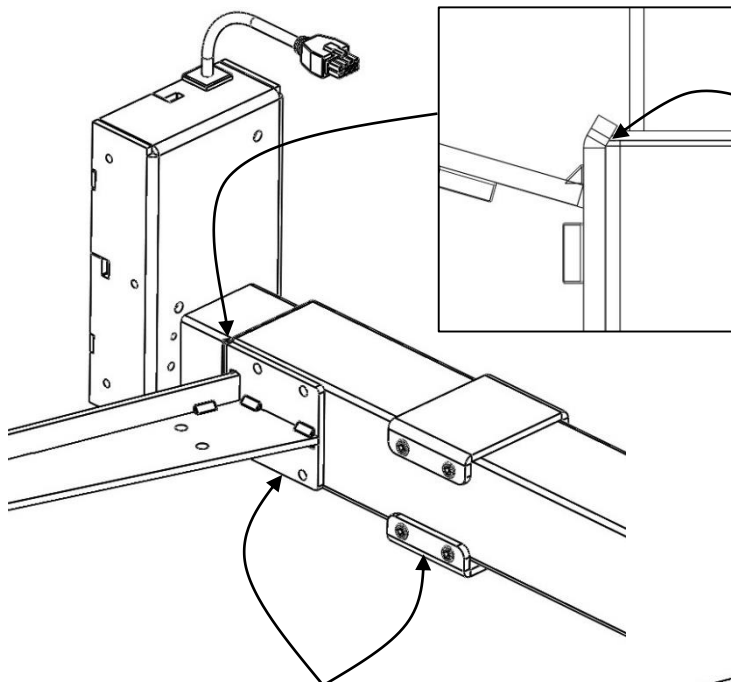
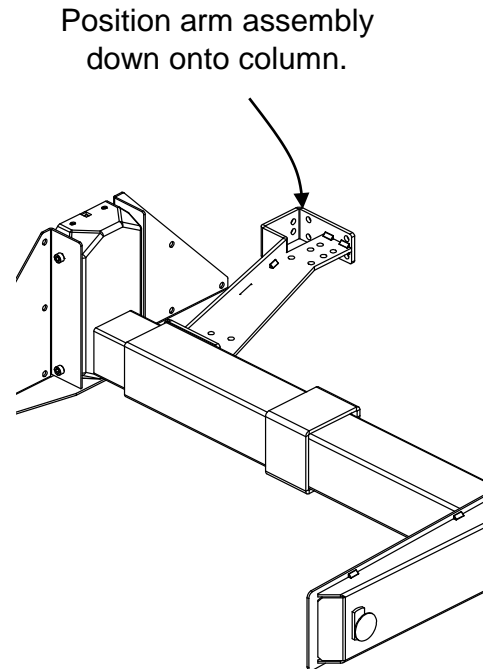
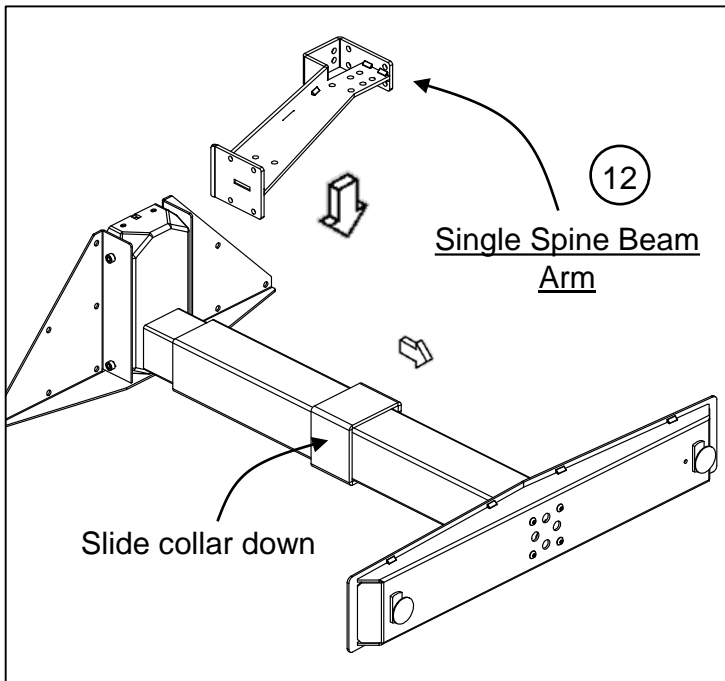


Be sure angled lip on
spine beam arm
assembly rests on outer
column top on both
columns

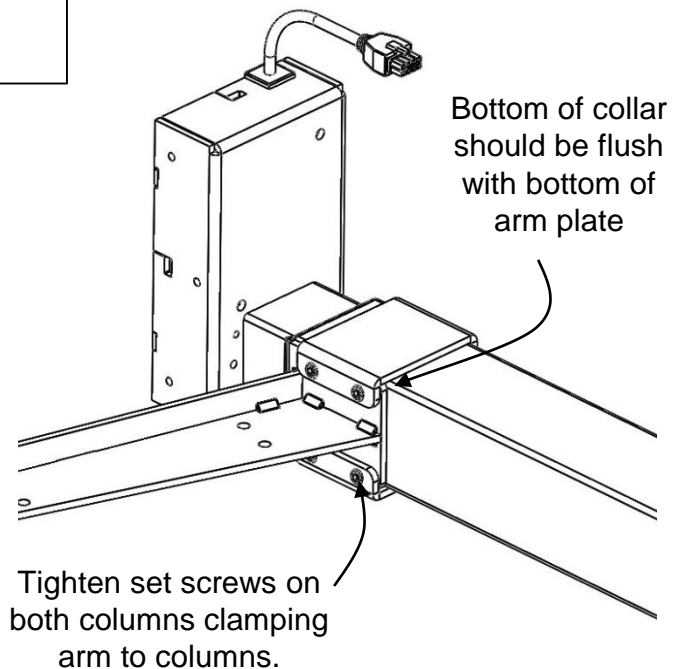


Bottom of collar
should be flush
with bottom of
arm plate

Tighten set screws on
both columns clamping
arm to columns.

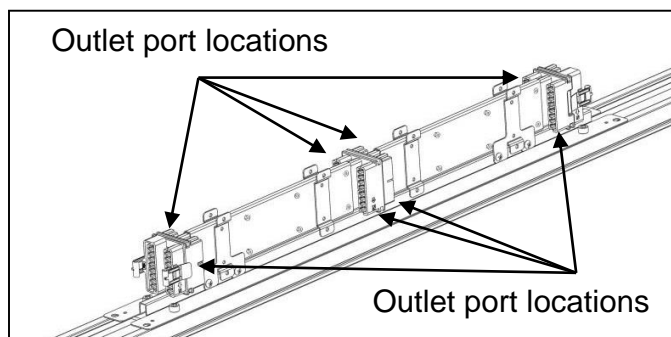


Be sure angled lip on spine beam arm assembly rests on outer column top



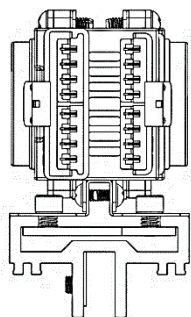
(13) (14)

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



(16)

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



(15)

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

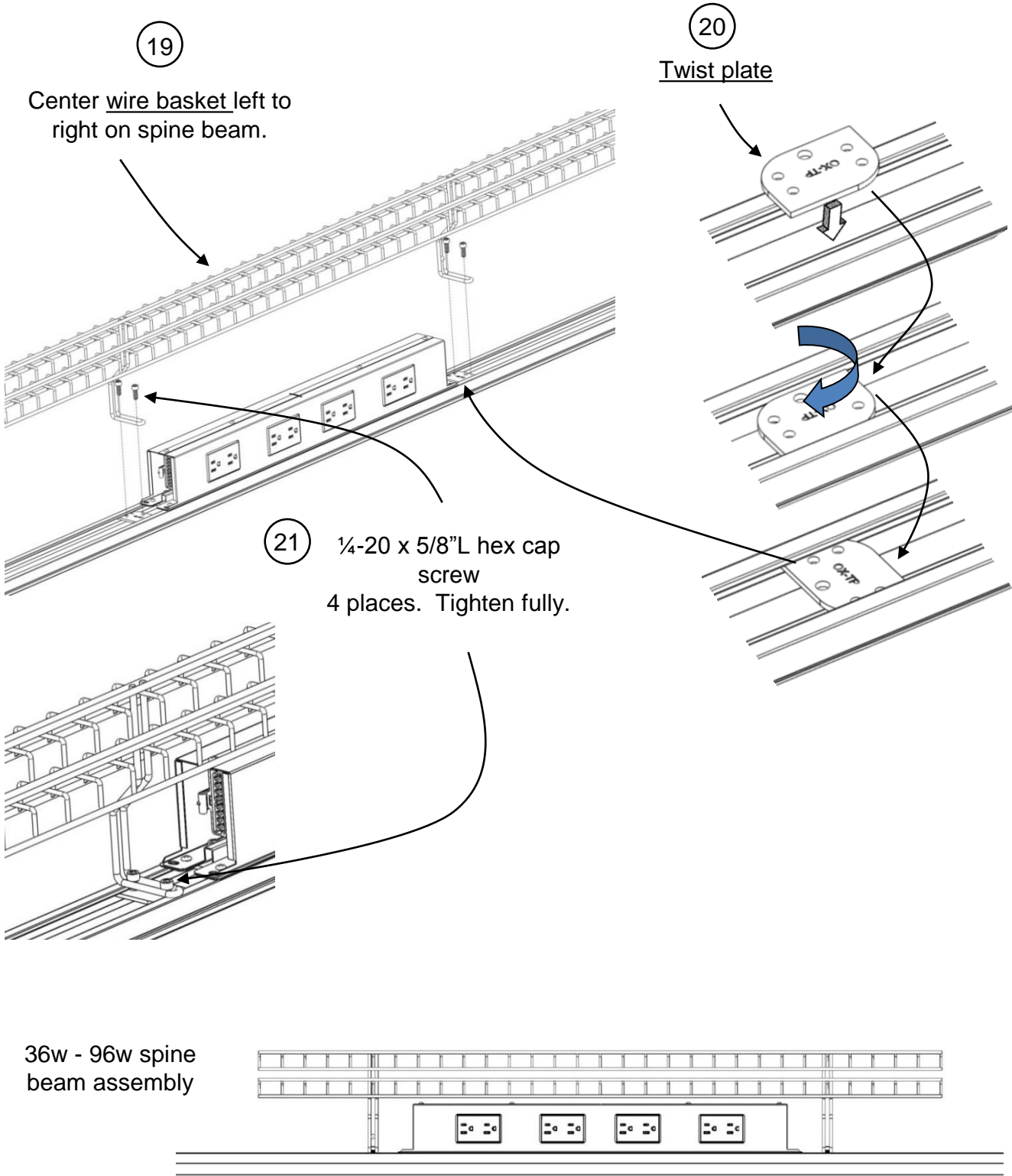
(17)

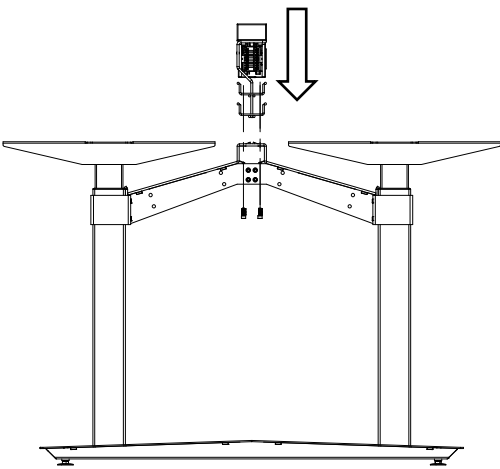
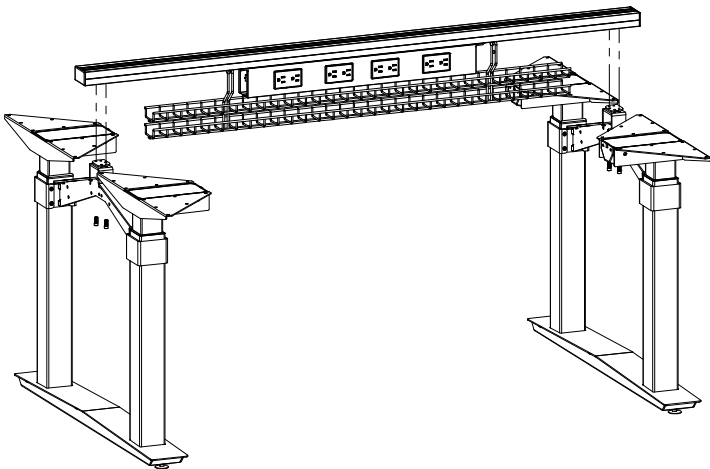
Pan head machine screw
8-32 x 3/8" long thread
rolling tip
8 places

(18)



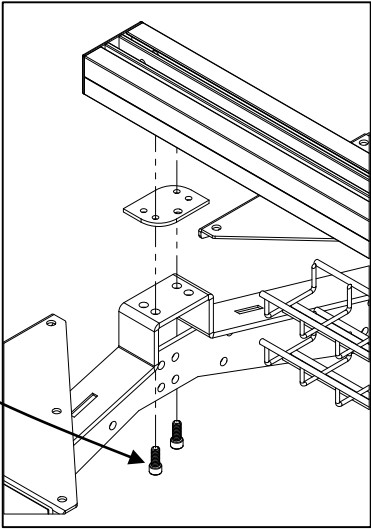
Note: Overlap flanges
such that small holes
are "behind" big holes.



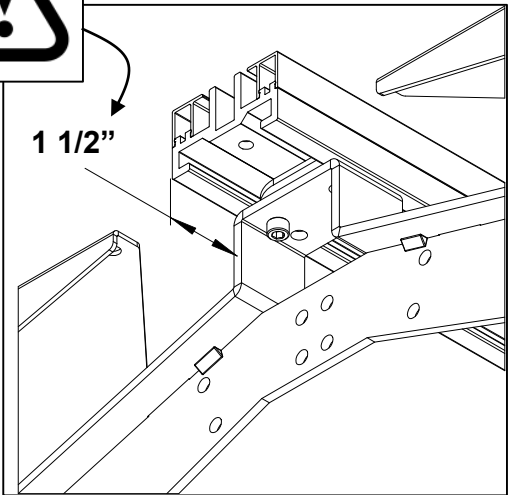


21

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

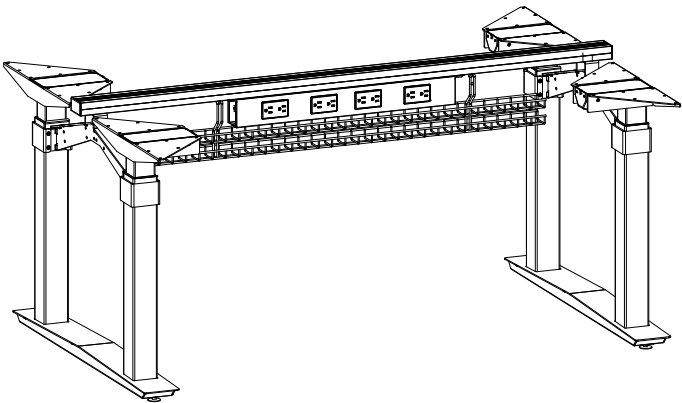
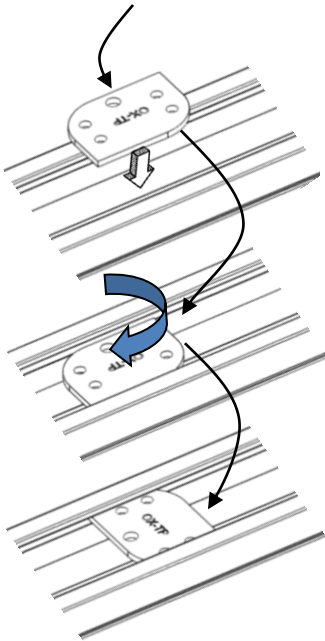


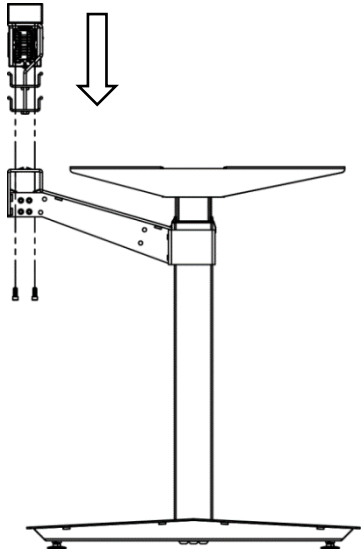
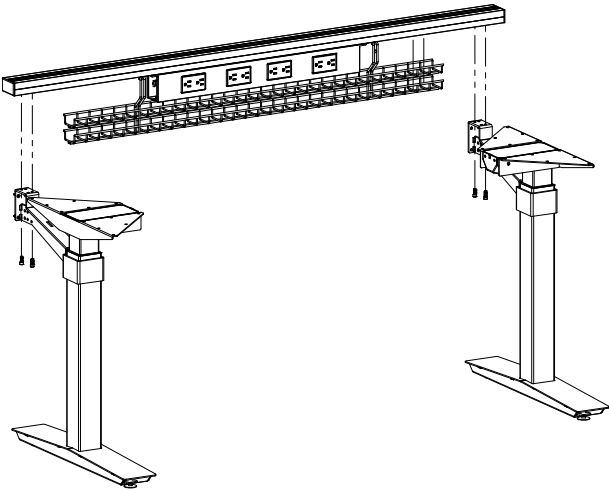
1 1/2"



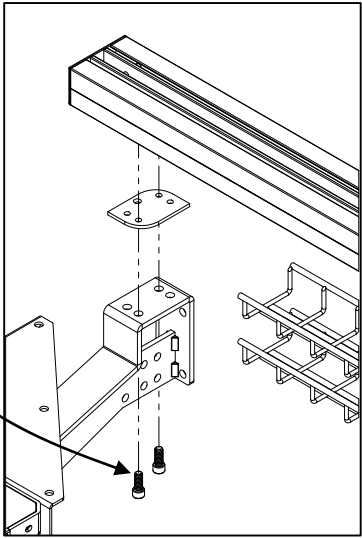
Twist plate

20

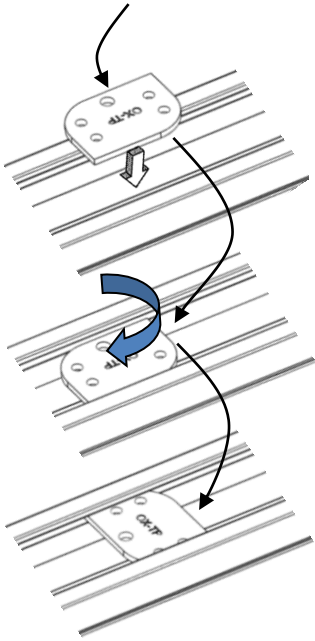




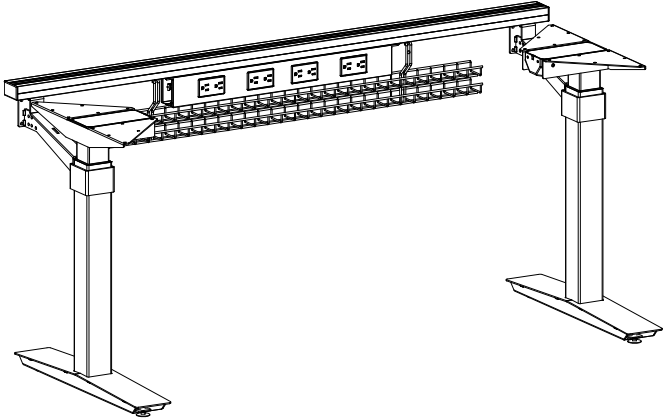
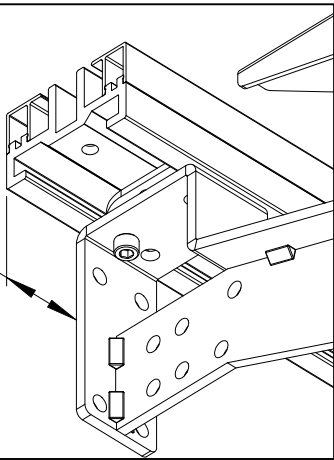
(21) Hex cap screw
1/4-20 x 5/8" long
3/16" hex drive
black, x4

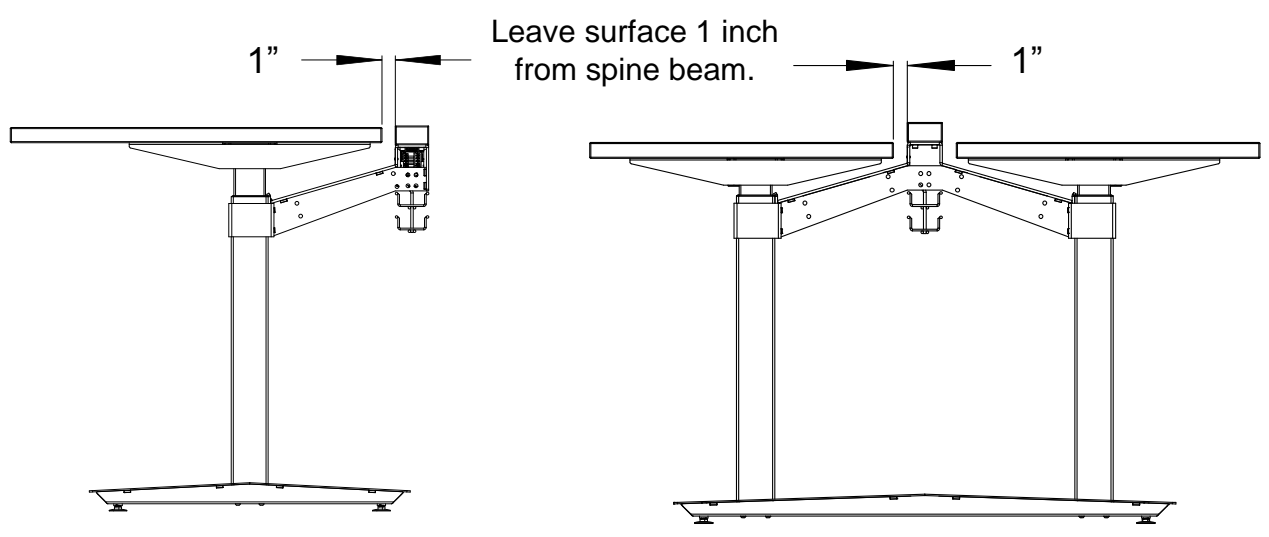
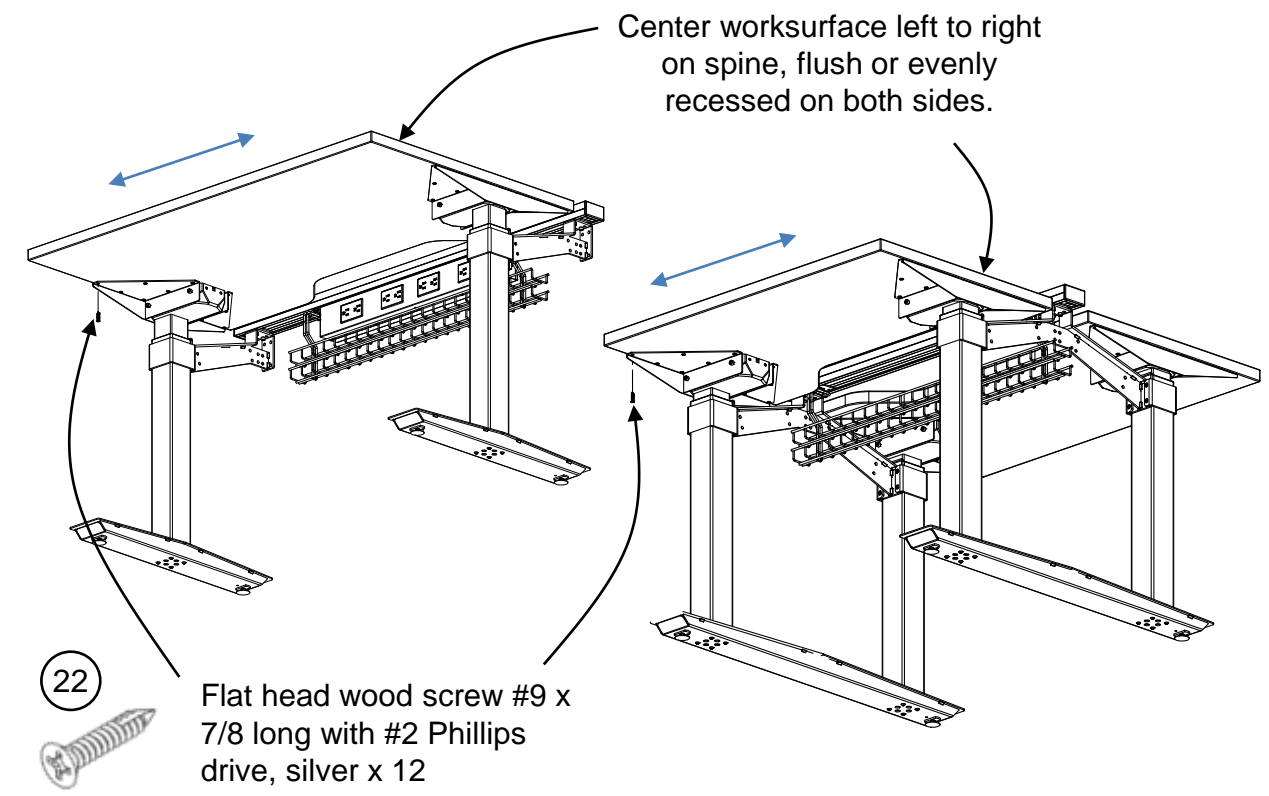


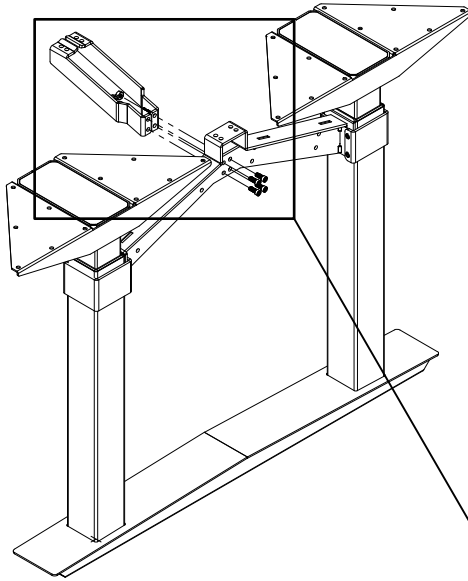
Twist plate (20)



1 1/2"

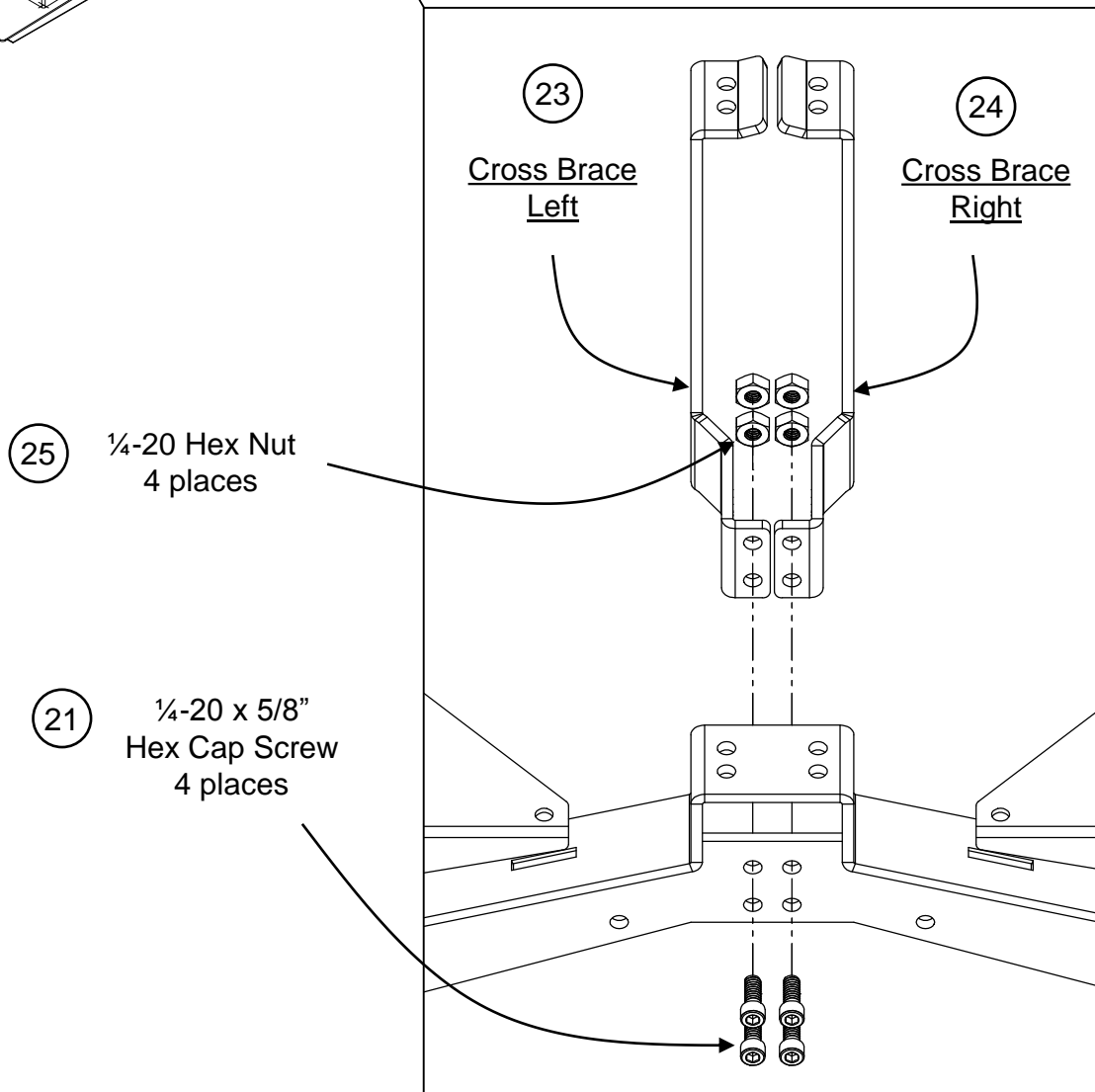






Notes:

- 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

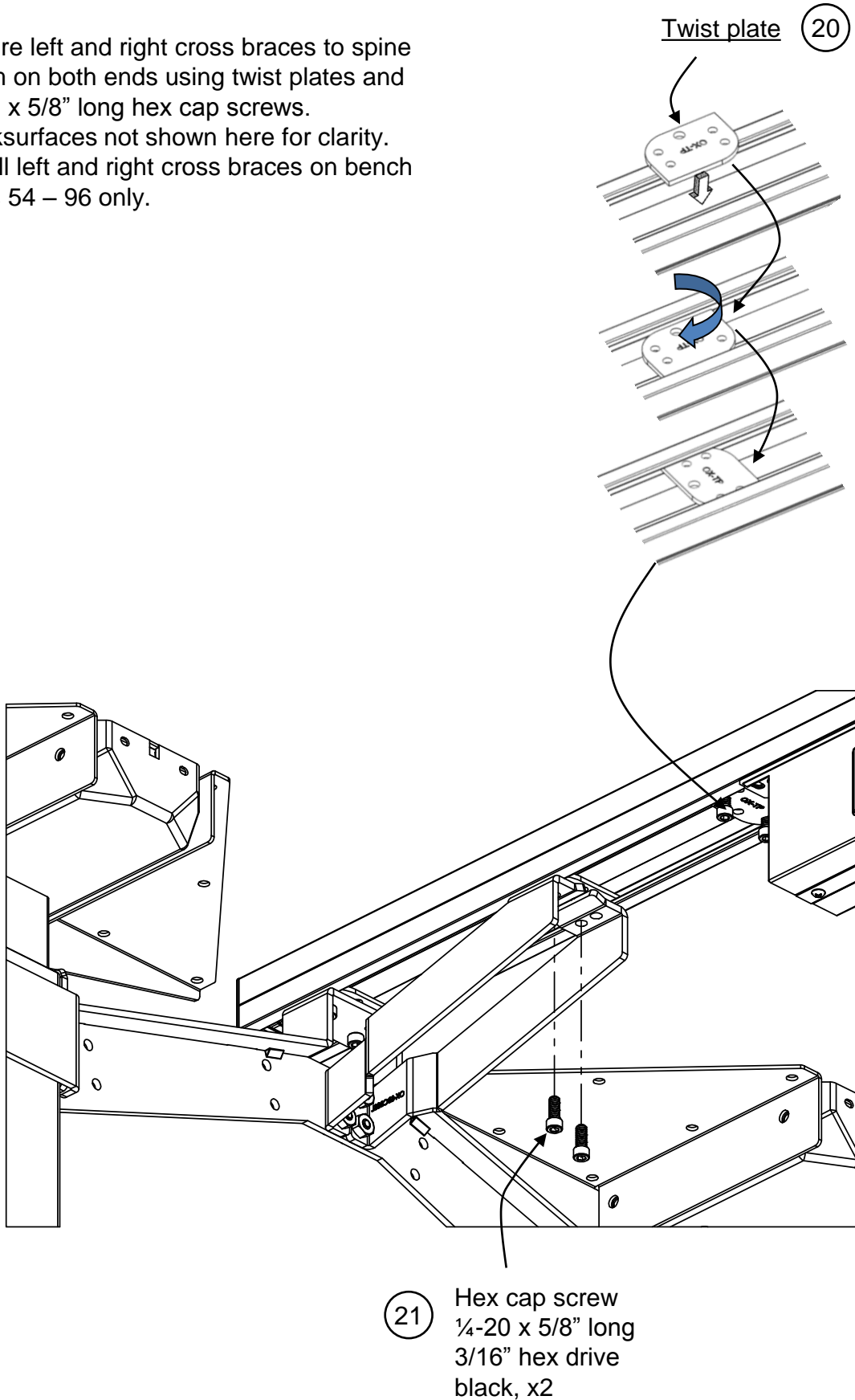


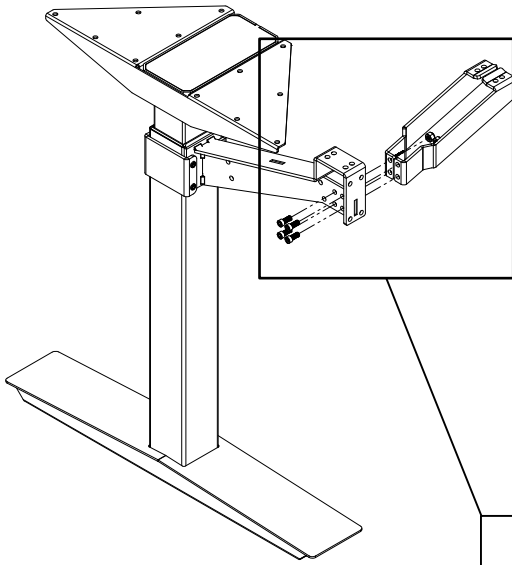
Aloft 2019 Installation

Double Bench Cross Brace sizes 54-96 only

Notes:

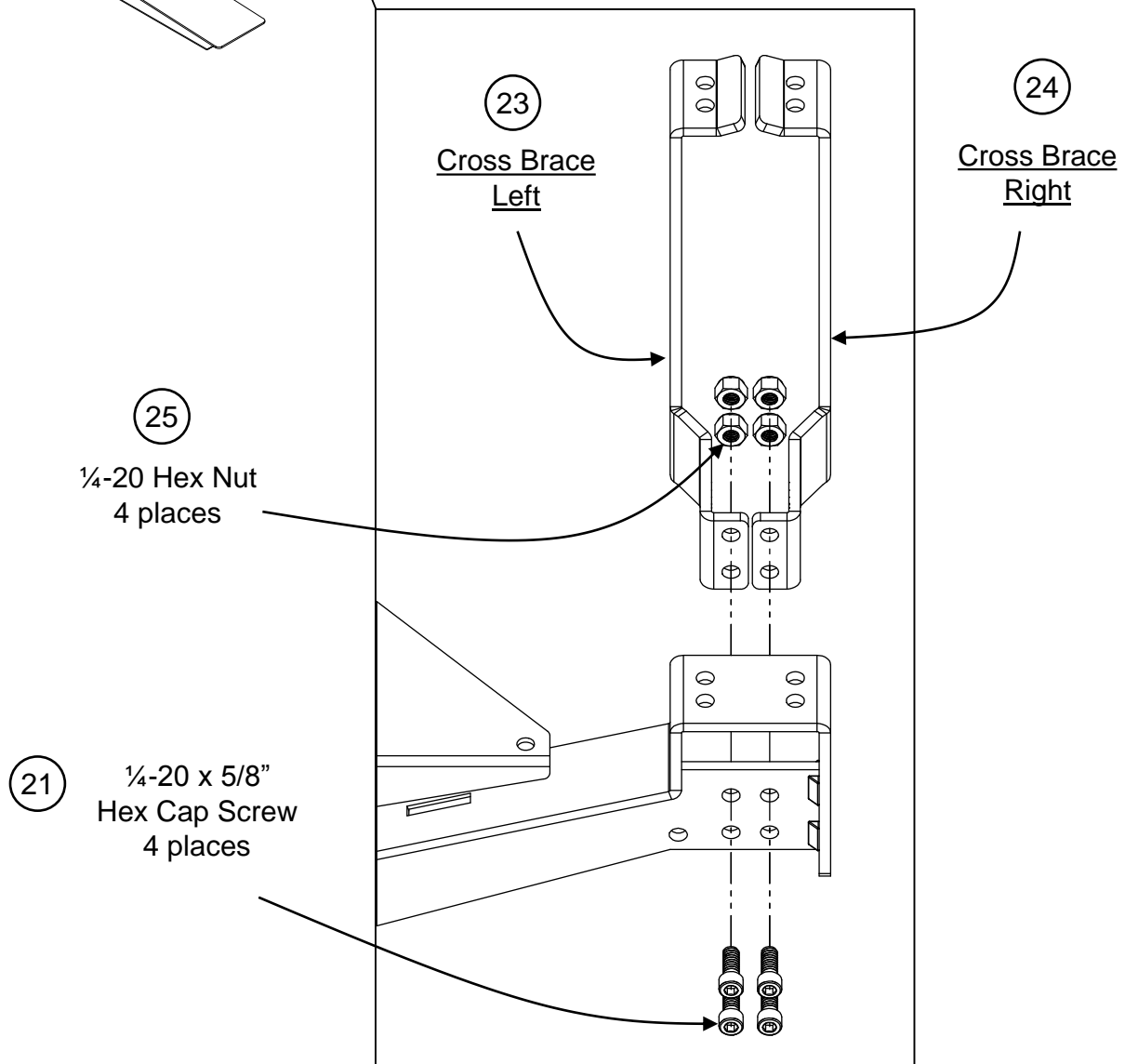
- Secure left and right cross braces to spine beam on both ends using twist plates and 1/4-20 x 5/8" long hex cap screws.
- Worksurfaces not shown here for clarity.
- Install left and right cross braces on bench sizes 54 – 96 only.





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

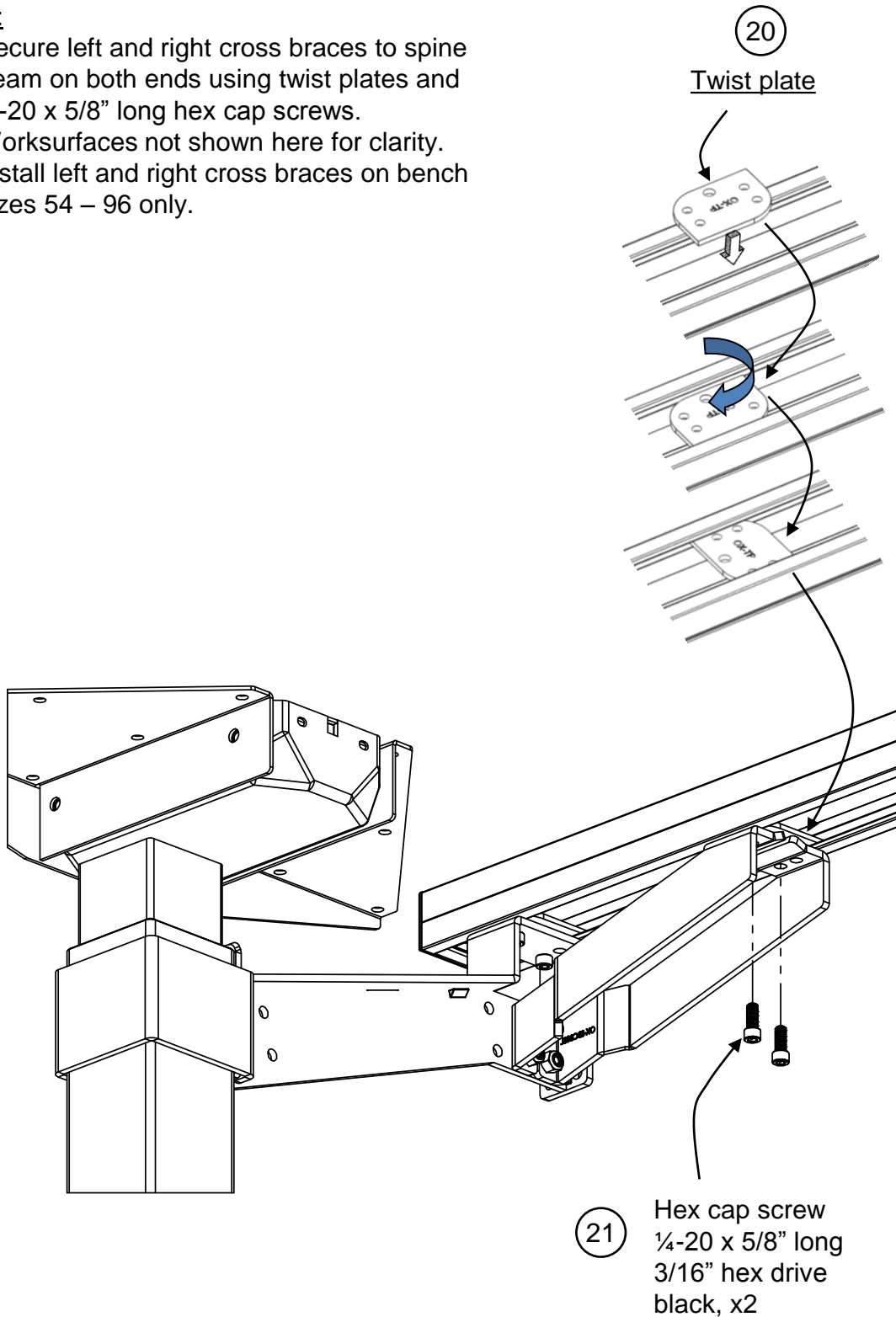


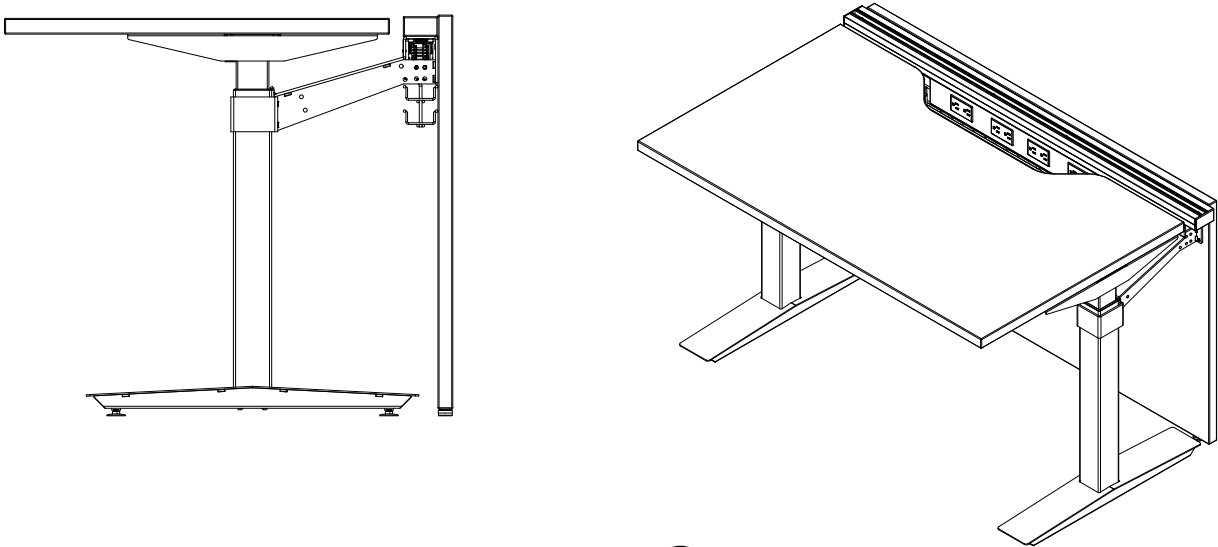
Aloft 2019 Installation

Single Bench Cross Brace sizes 54-96 only

Notes:

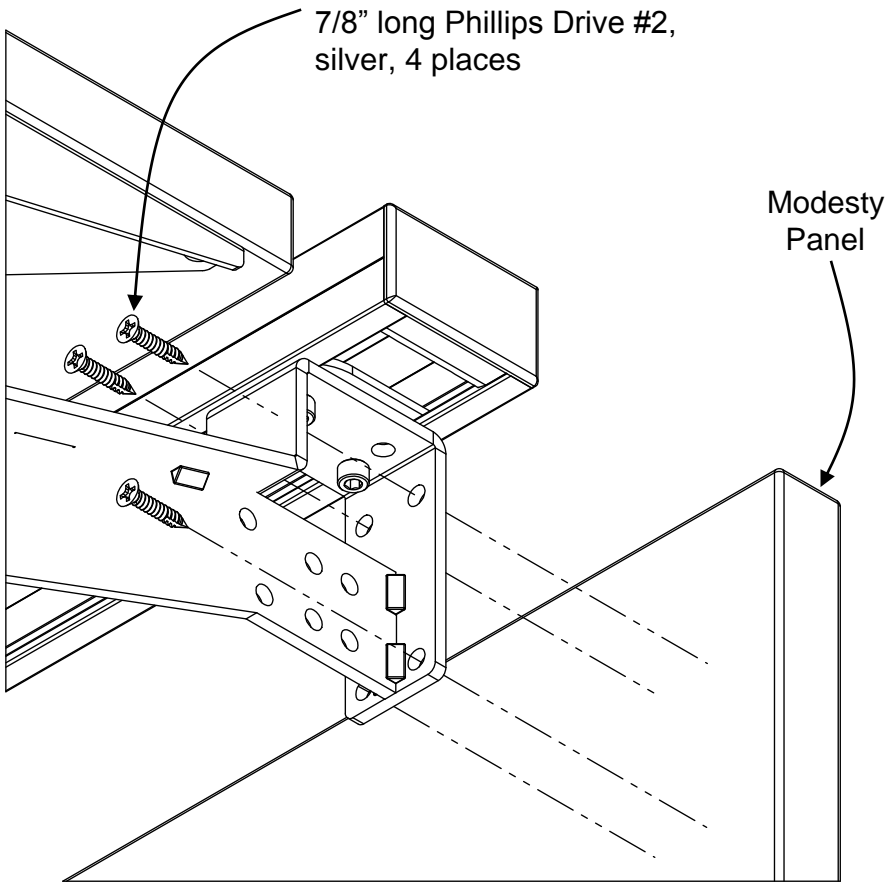
- Secure left and right cross braces to spine beam on both ends using twist plates and 1/4-20 x 5/8" long hex cap screws.
- Worksurfaces not shown here for clarity.
- Install left and right cross braces on bench sizes 54 – 96 only.

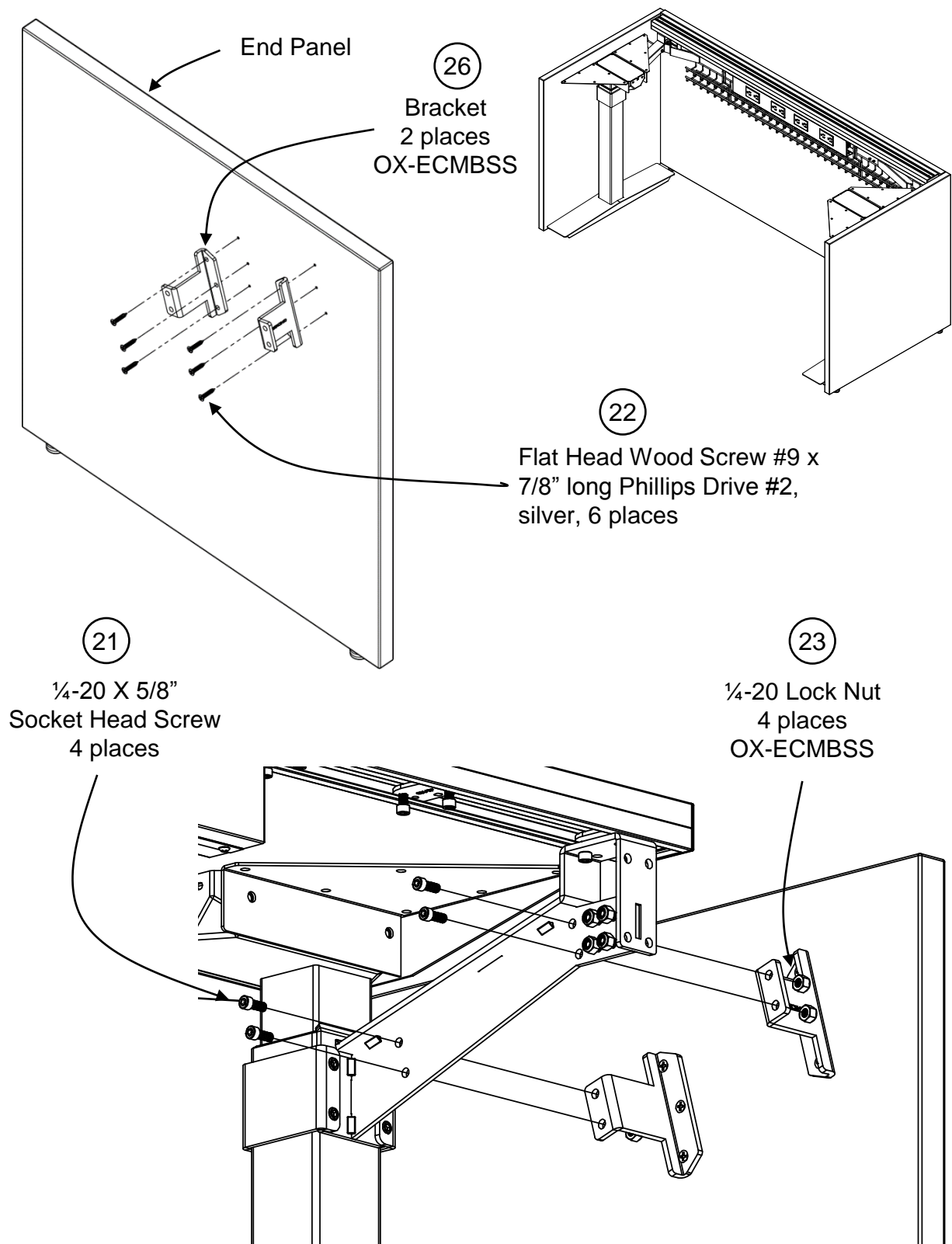


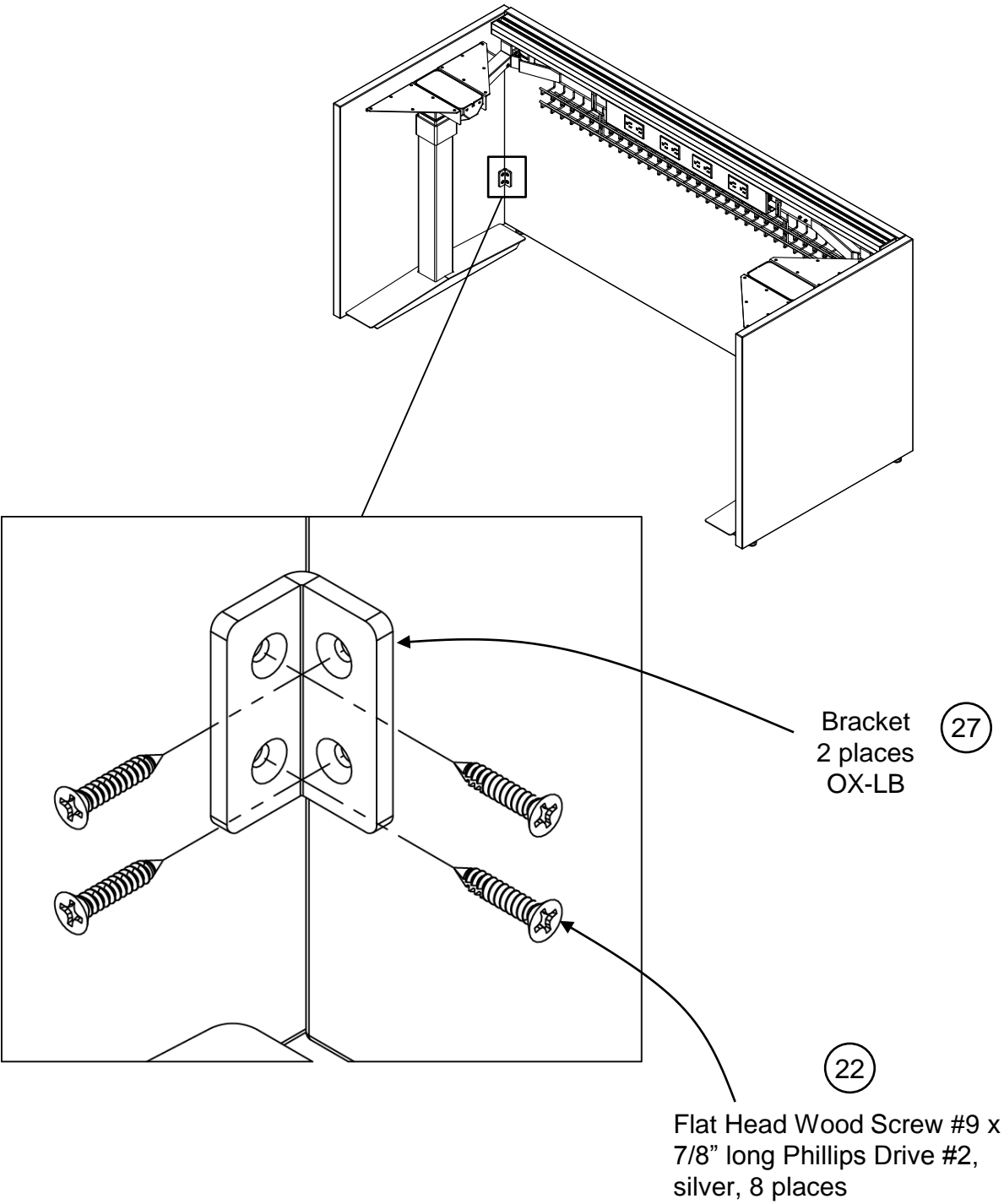


22

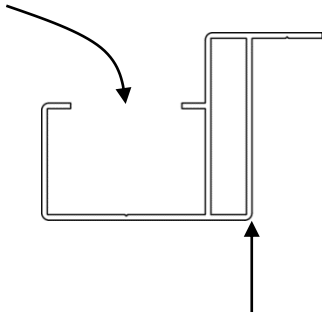
Flat Head Wood Screw #9 x
7/8" long Phillips Drive #2,
silver, 4 places







Mount trough so that this opening is on spine beam side

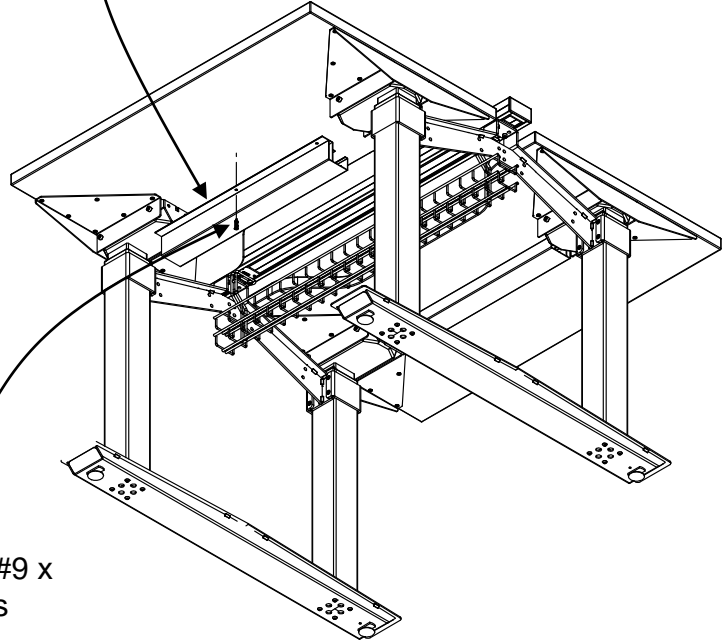


Align this edge with Cantilever edge so that the trough is off-centered from the worksurface

Trough
Length = Bench width - 15 1/2"

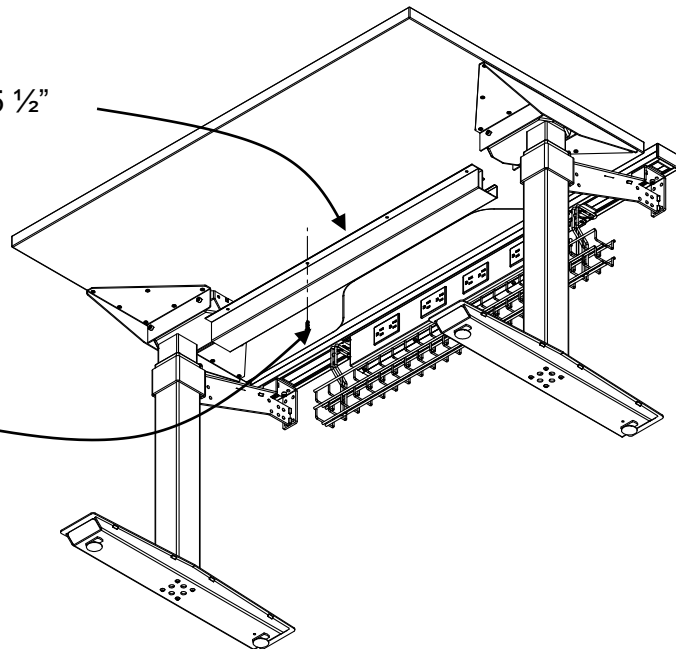


(22) Flat head wood screw #9 x 7/8 long with #2 Phillips drive, silver



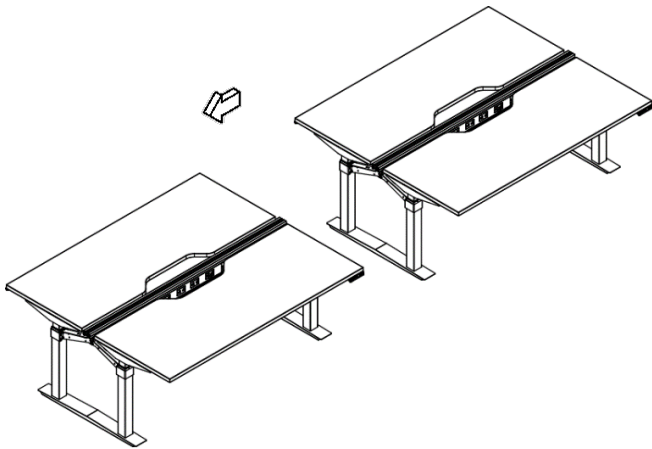
Trough
Length = Bench width - 15 1/2"

(22) Flat head wood screw #9 x 7/8 long with #2 Phillips drive, silver



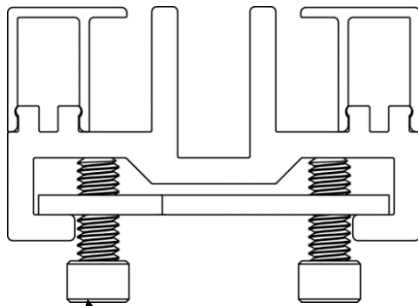
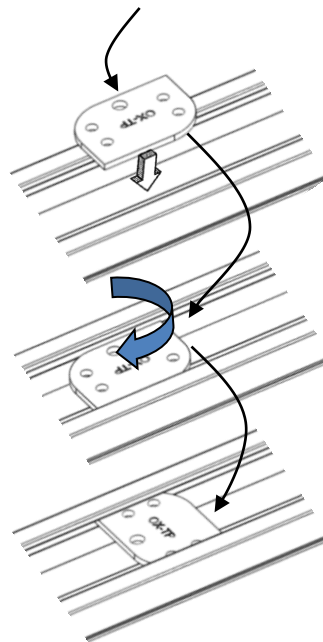
Aloft 2019 Installation

Double Bench Installation Ganging Benches



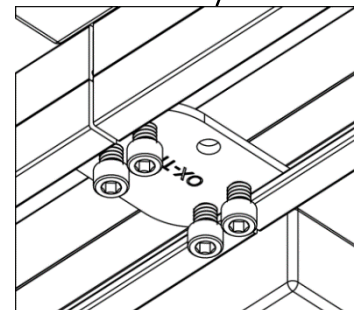
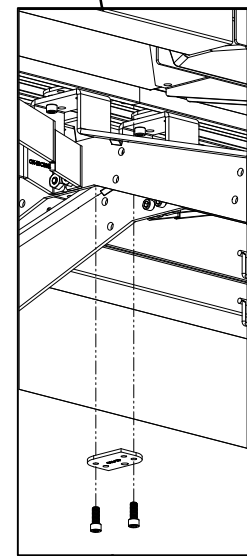
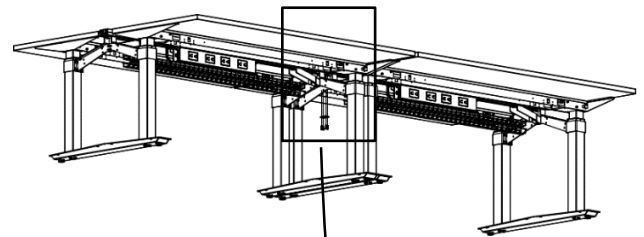
Powered benches **MUST** be bolted together as shown to meet National Electric Codes

Twist plate
#OX-TP

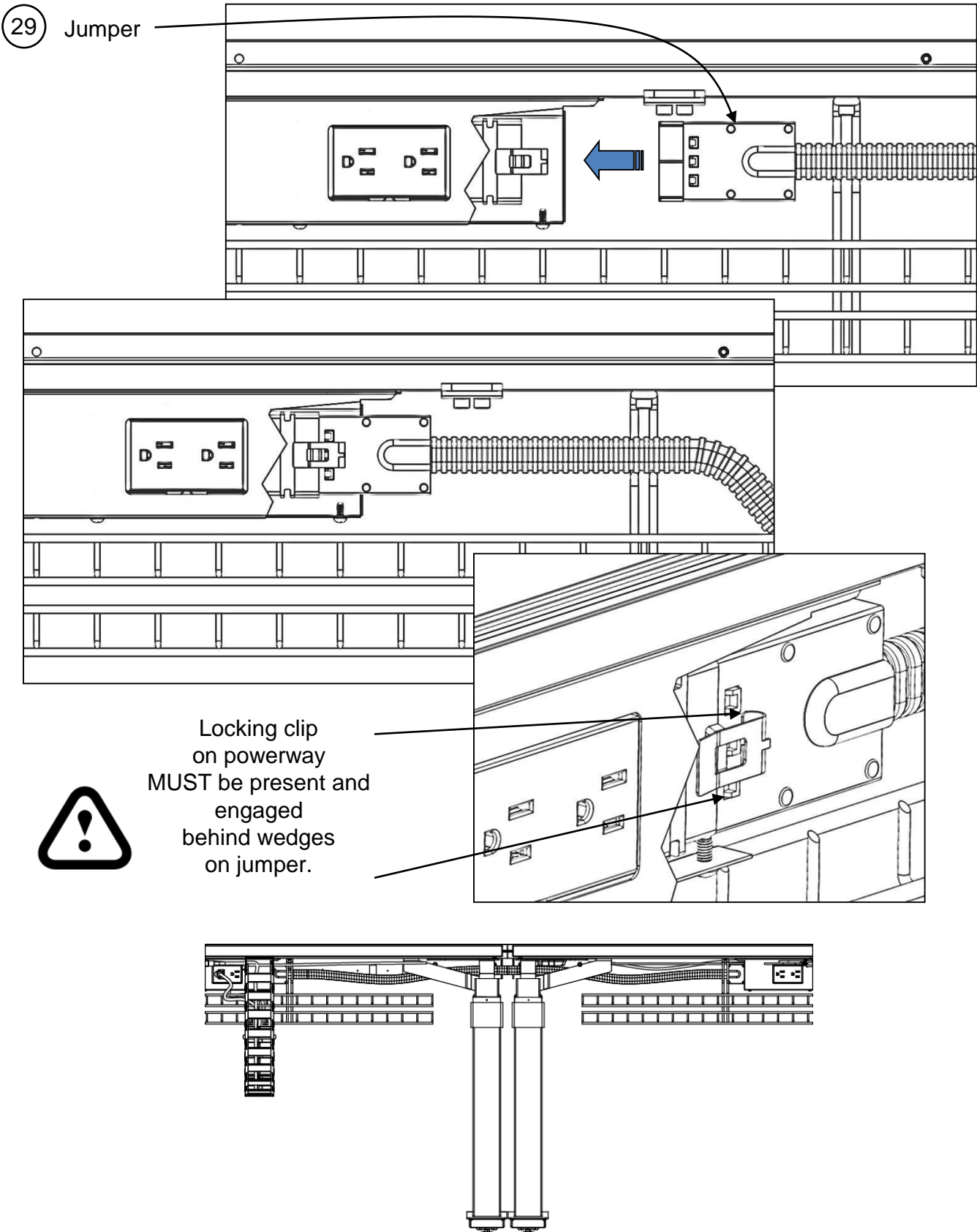


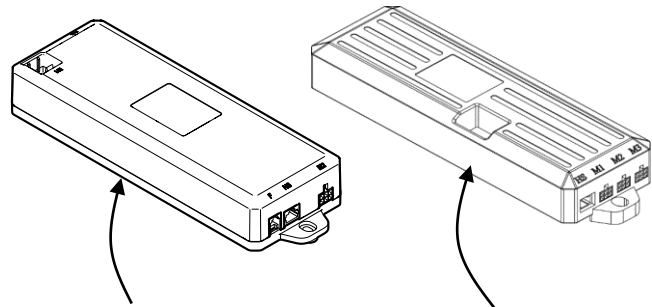
1/4-20 x 5/8 long
Socket Head Screw
4 places, fully tighten
3/16 Hex drive, Black

(21)



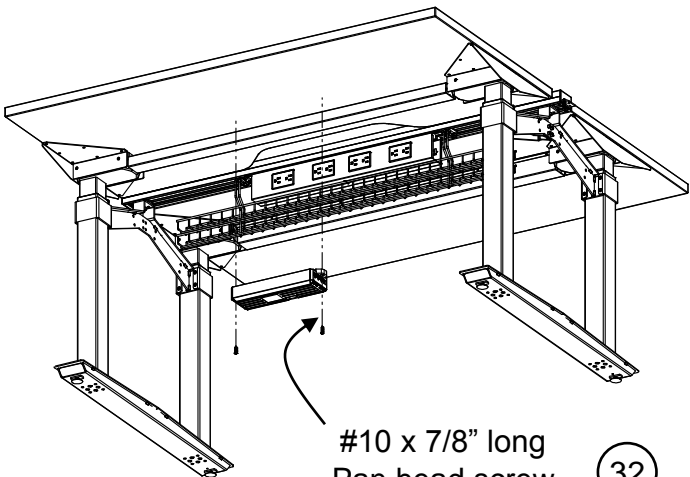
- Insert twist plate into spine beams as shown and fully tighten 4 screws



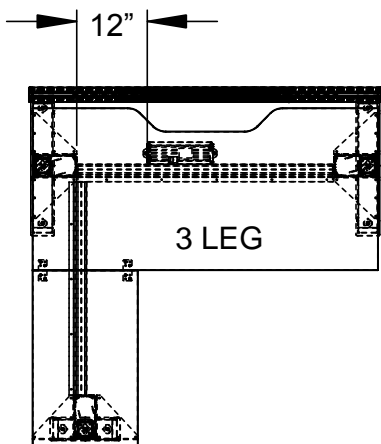
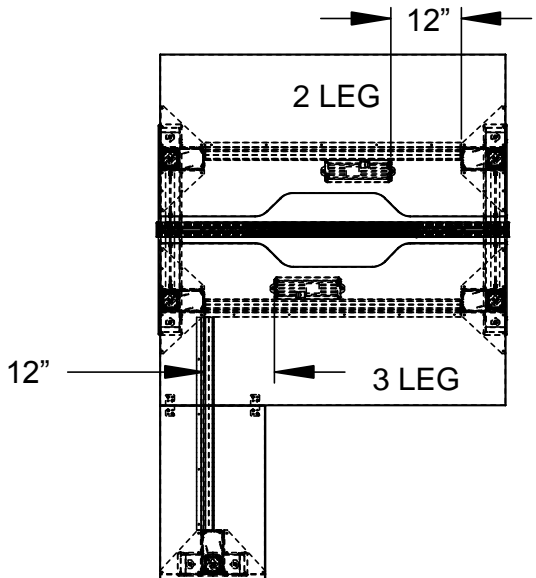
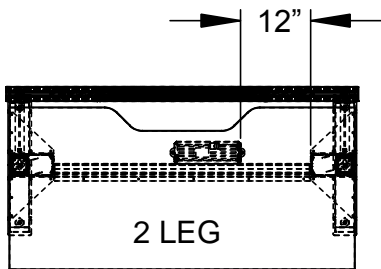
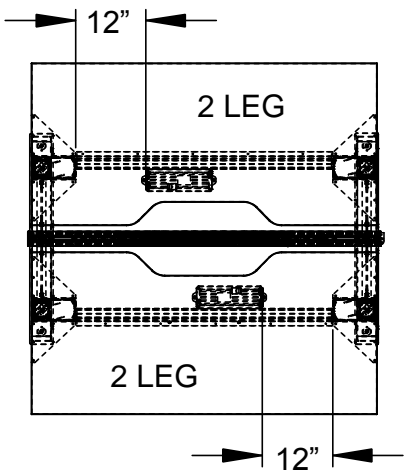


30

31



32



- ③③ Connect Leg 1 to Port M1
Use 90° 1.3m long extension cable
on 42-72w benches
- ③④ Use 90° 2.5m long extension cable
on 78-96w benches
(See Fig B below)

Connect Leg 2 to Port M2
(See Fig A below)

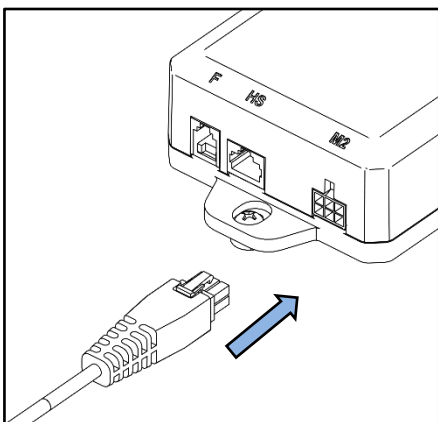
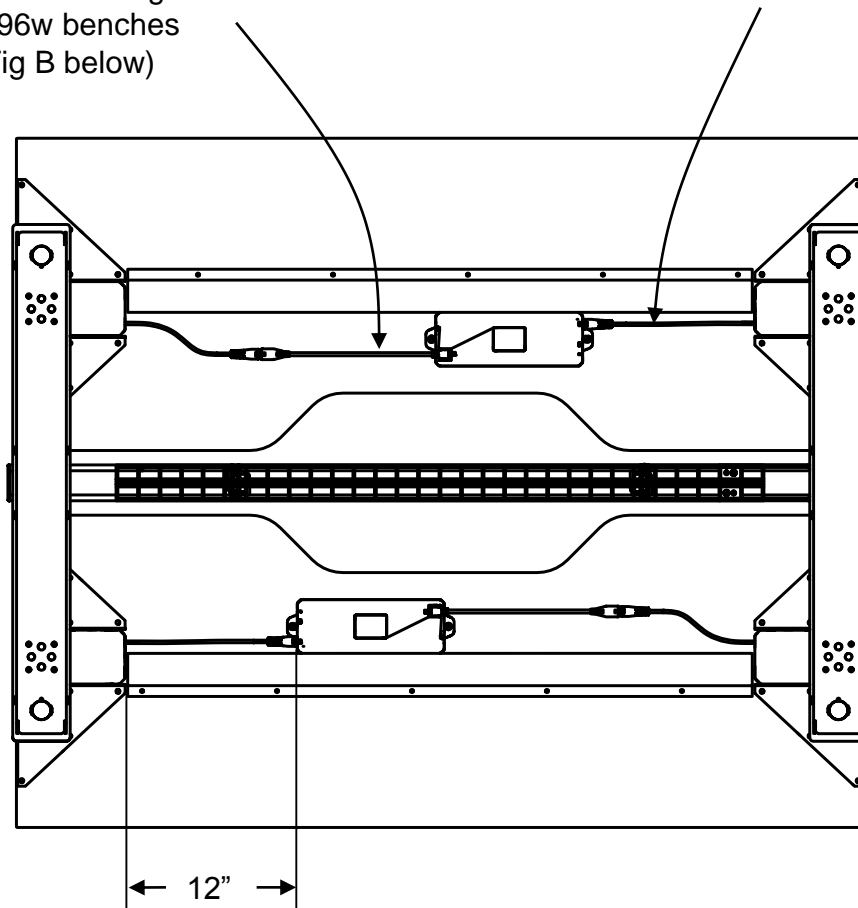


Fig A

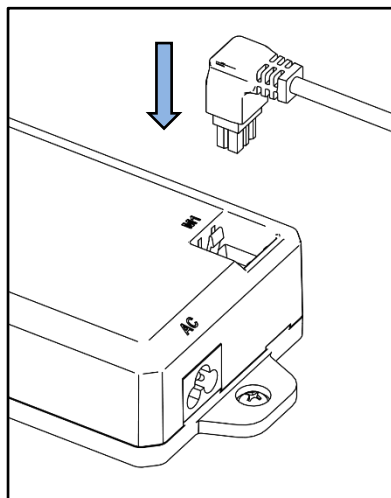
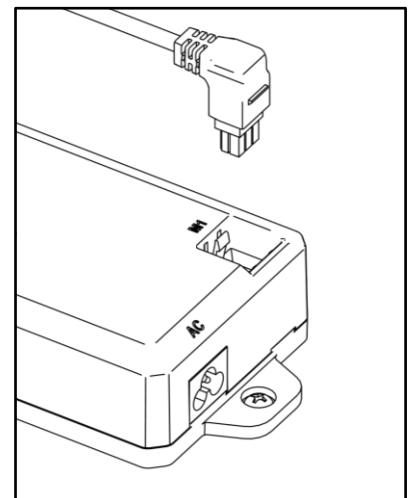
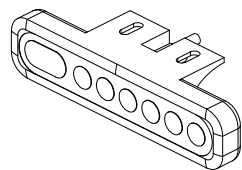


Fig B - CORRECT

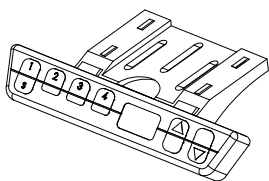


IN-CORRECT





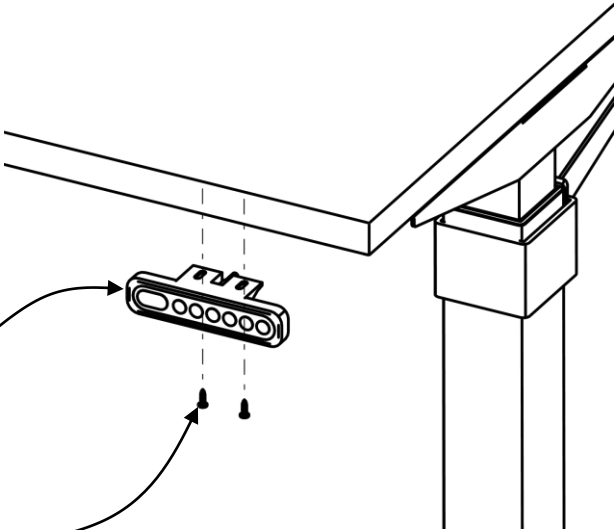
Aloft 2019



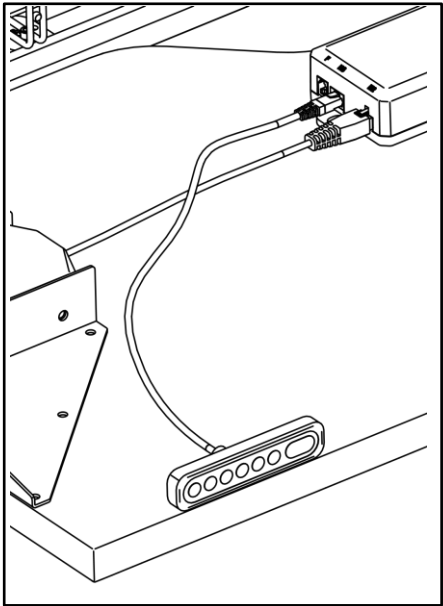
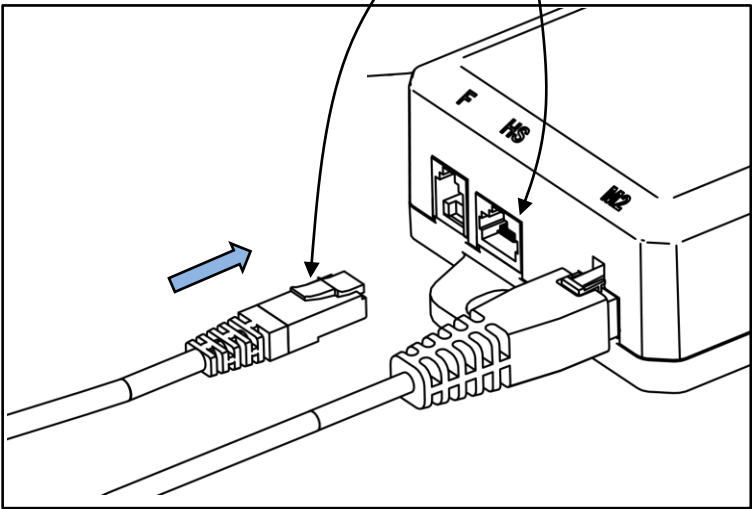
Aloft 2018

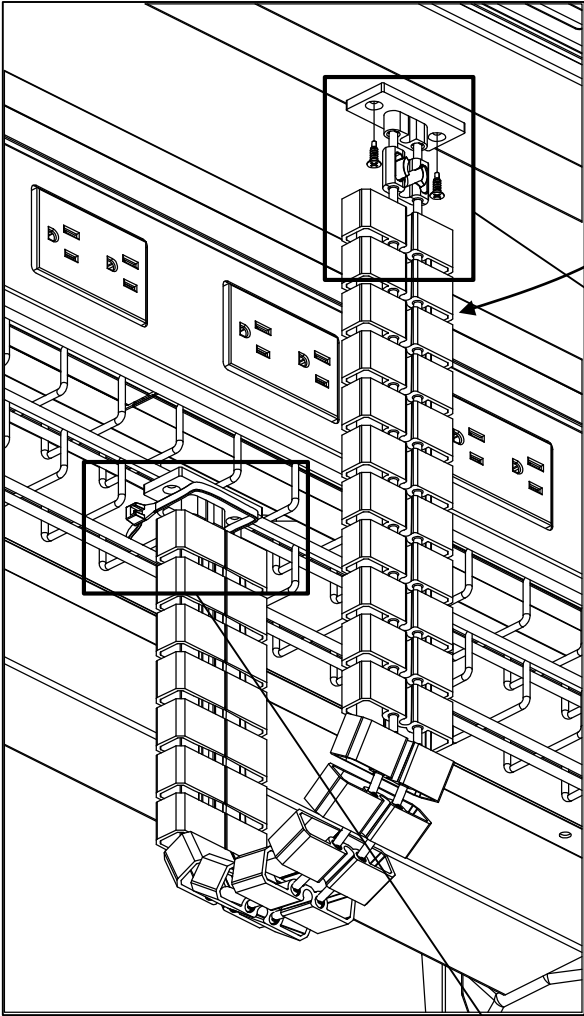
37 Programmable Control Pad

38 #6 x 1/2" long
Pan Head Screw
#2 Philips Drive
4 places

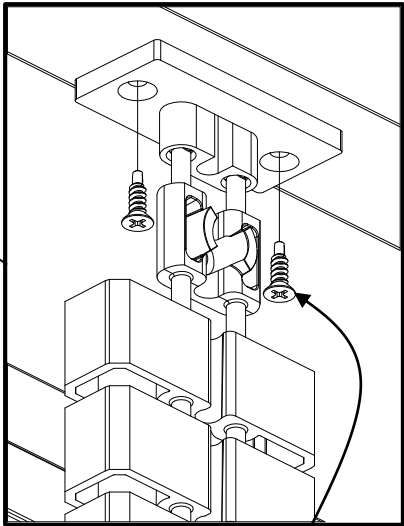


Plug Control Pad into Port HS



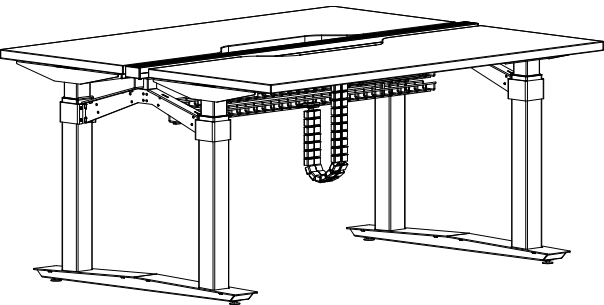
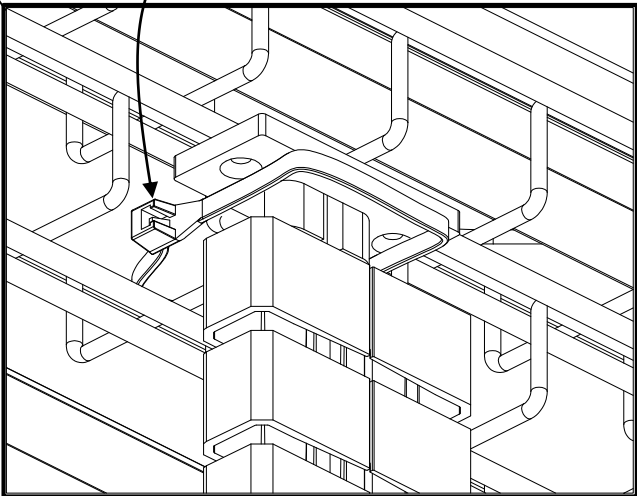


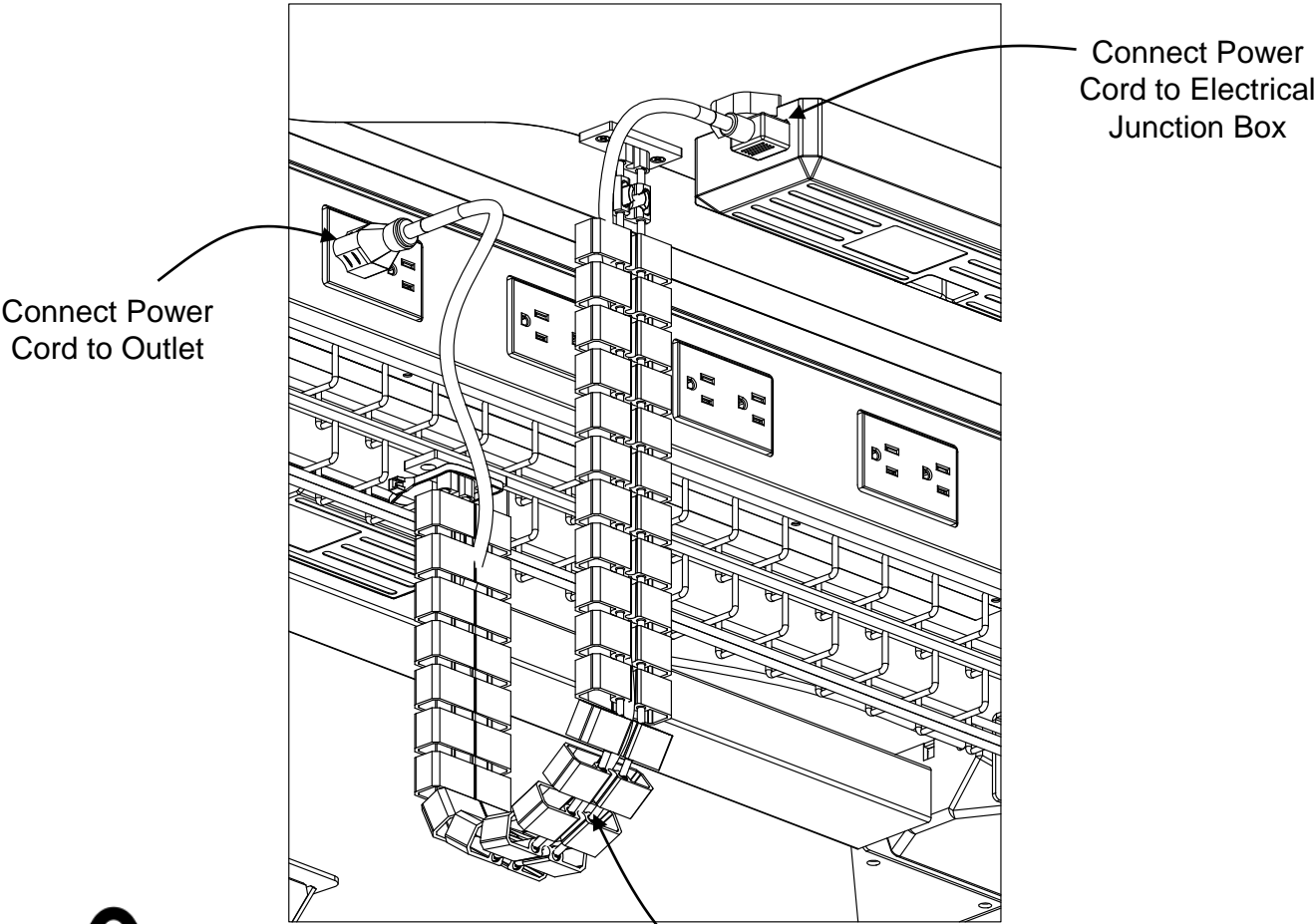
Vertical Wire Manager (39)



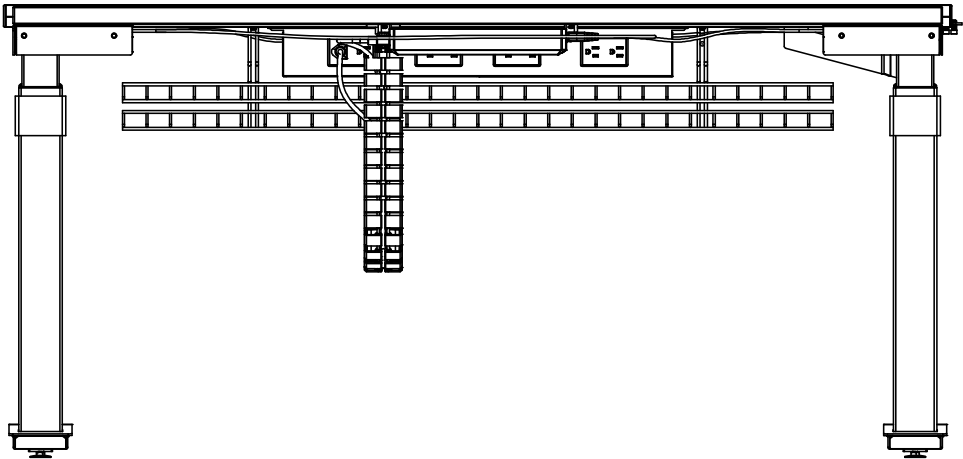
#6 x 1/2" Flat Head Screw
To bottom of Work Surface
2 places (40)

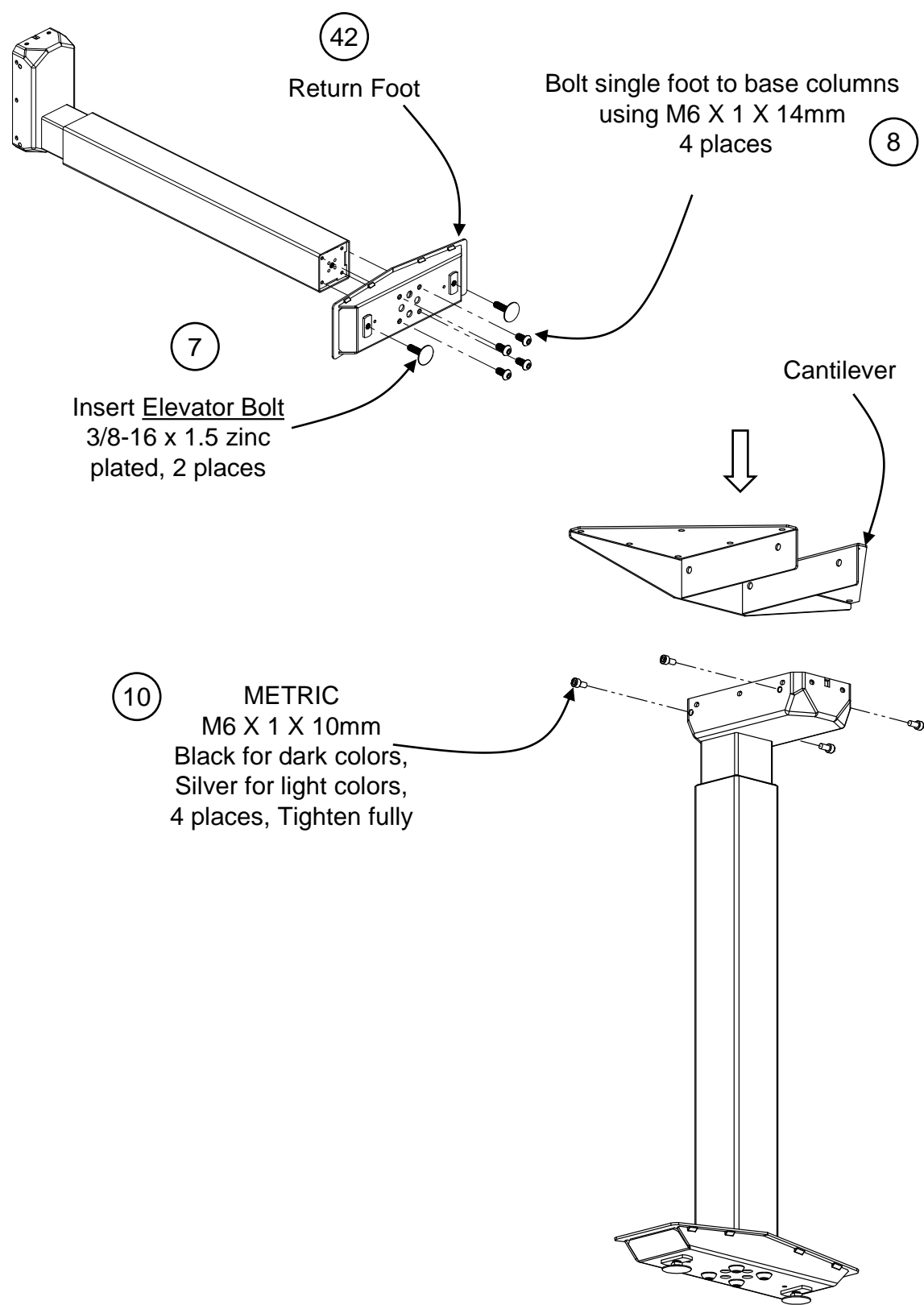
Zip Tie wire manager to
Wire Basket (41)

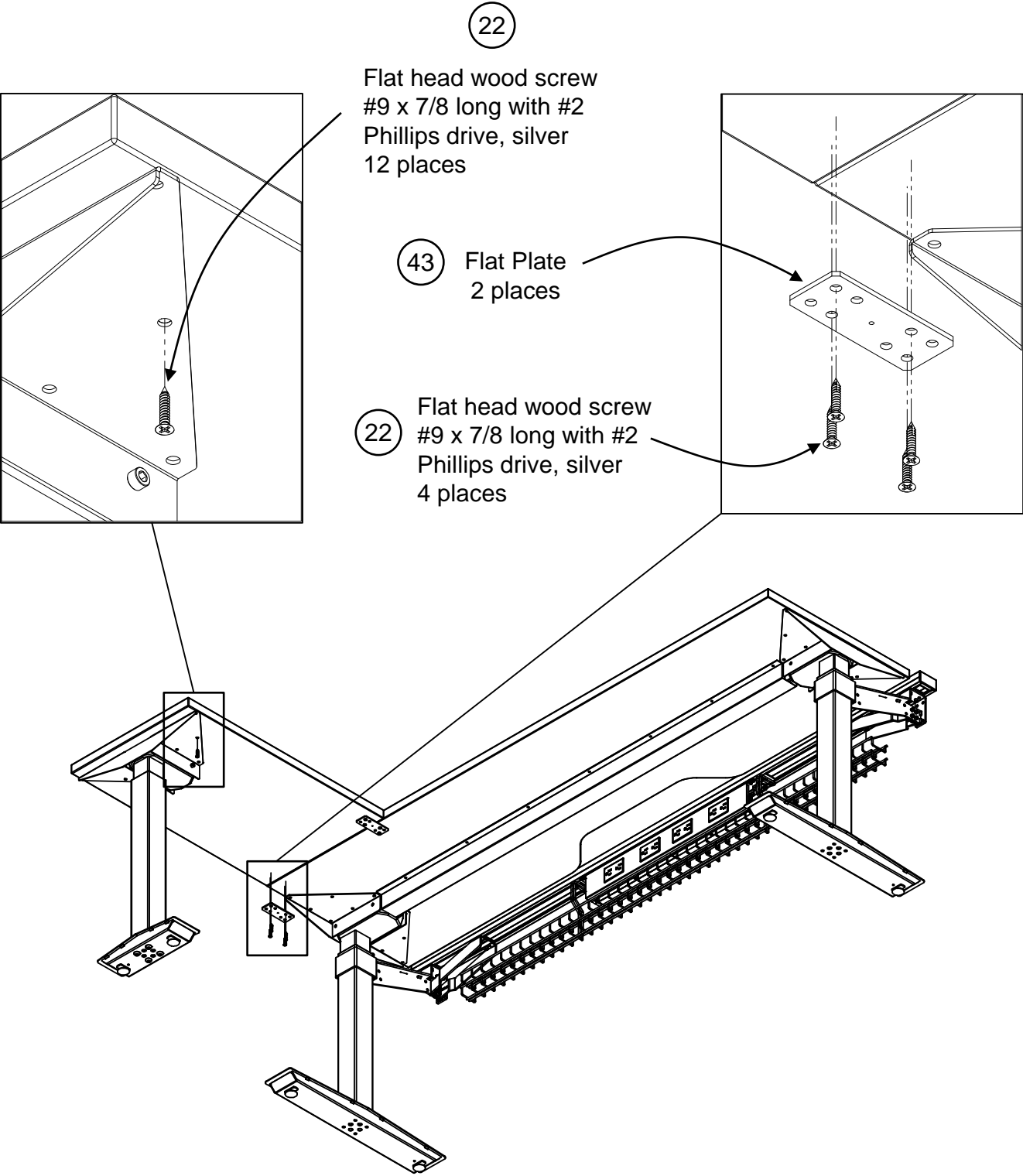




Troughs not shown for clarity



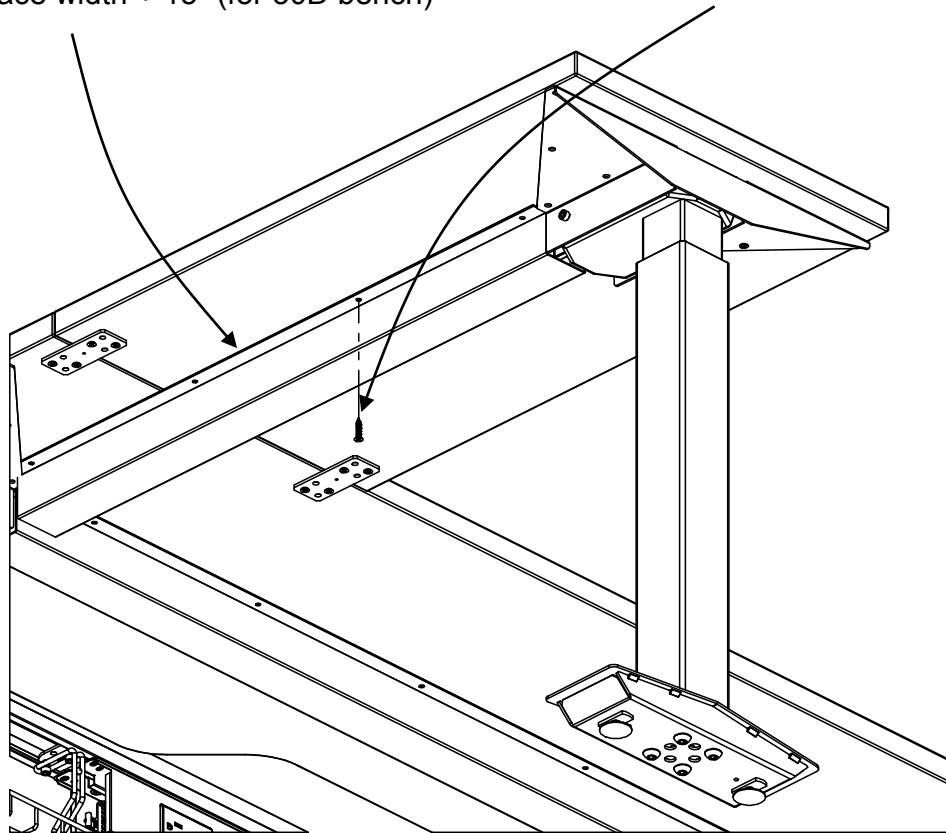




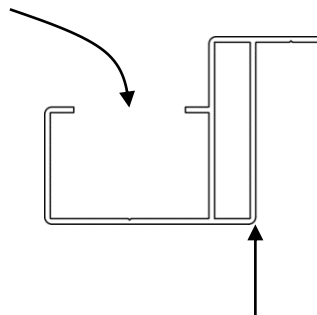
- (28) Trough Length =
Return surface width + 9" (for 24D bench) or
Return surface width + 15" (for 30D bench)

Flat head wood screw
#9 x 7/8 long with #2
Phillips drive, silver

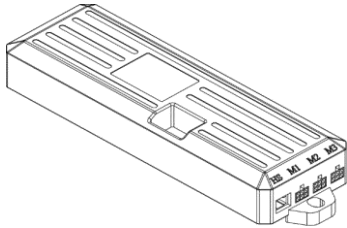
(22)



Mount trough so that
this opening is
facing the user side

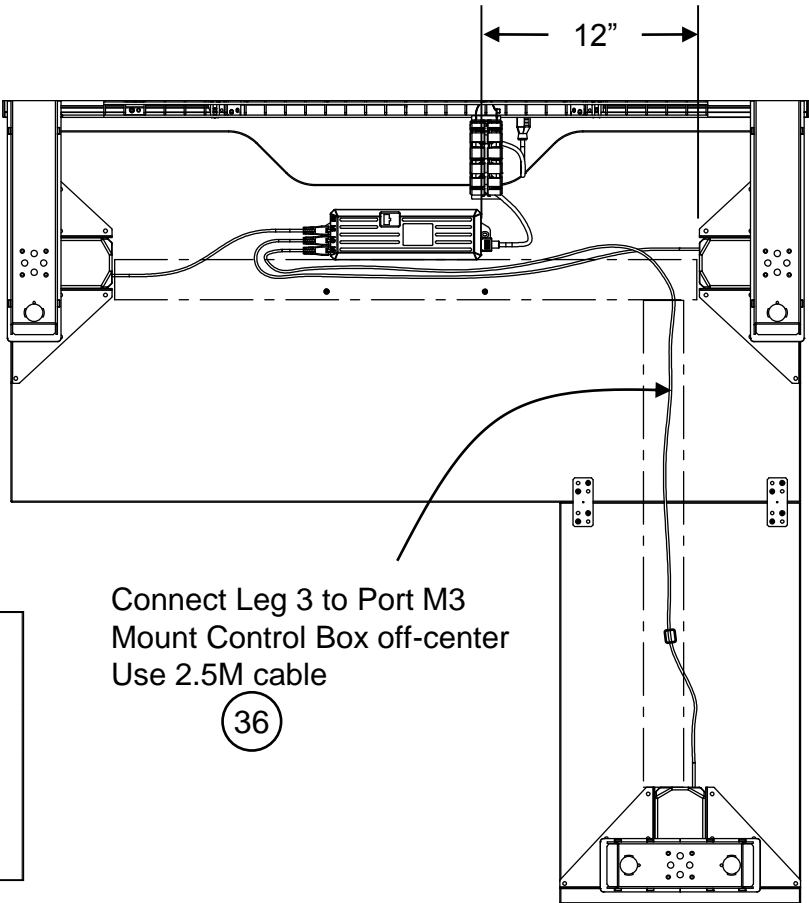


Align this edge with Cantilever
edge so that the trough is off-
centered from the worksurface



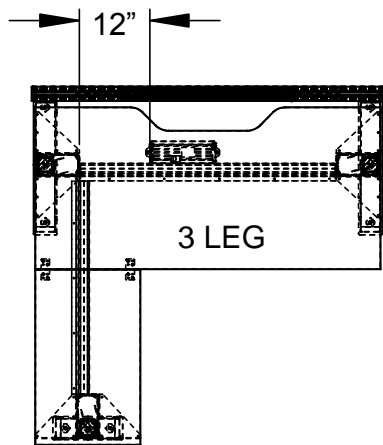
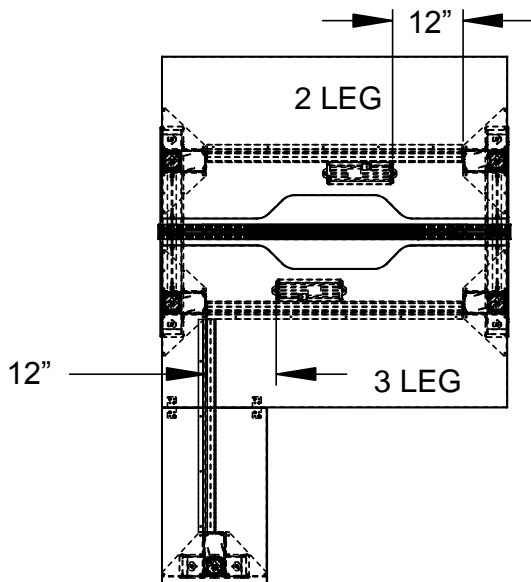
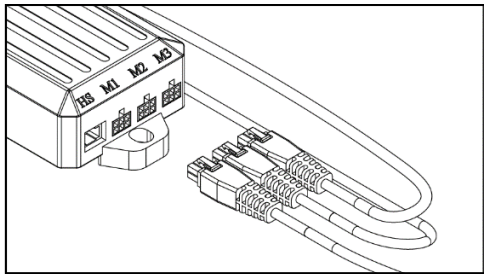
3 Leg configurations:
Use a 3-Input
Control Box

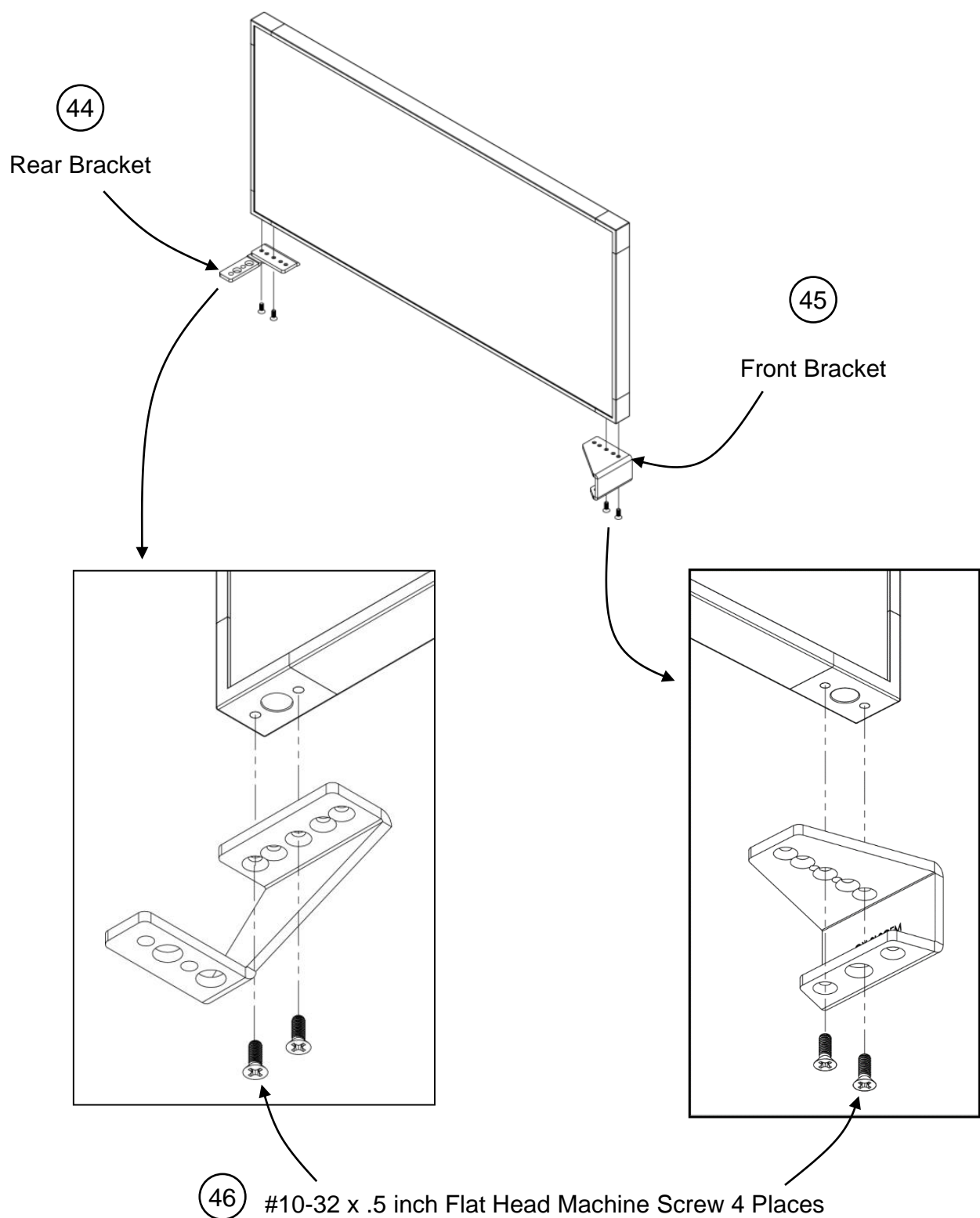
31

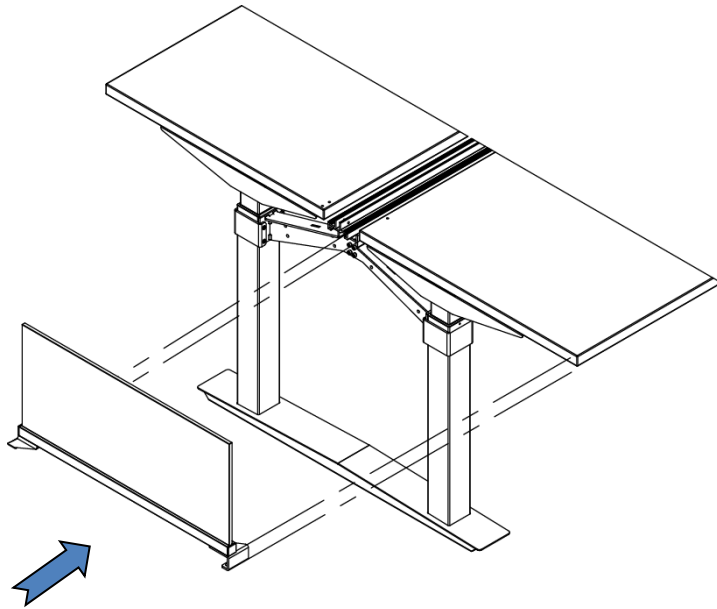


Connect Leg 3 to Port M3
Mount Control Box off-center
Use 2.5M cable

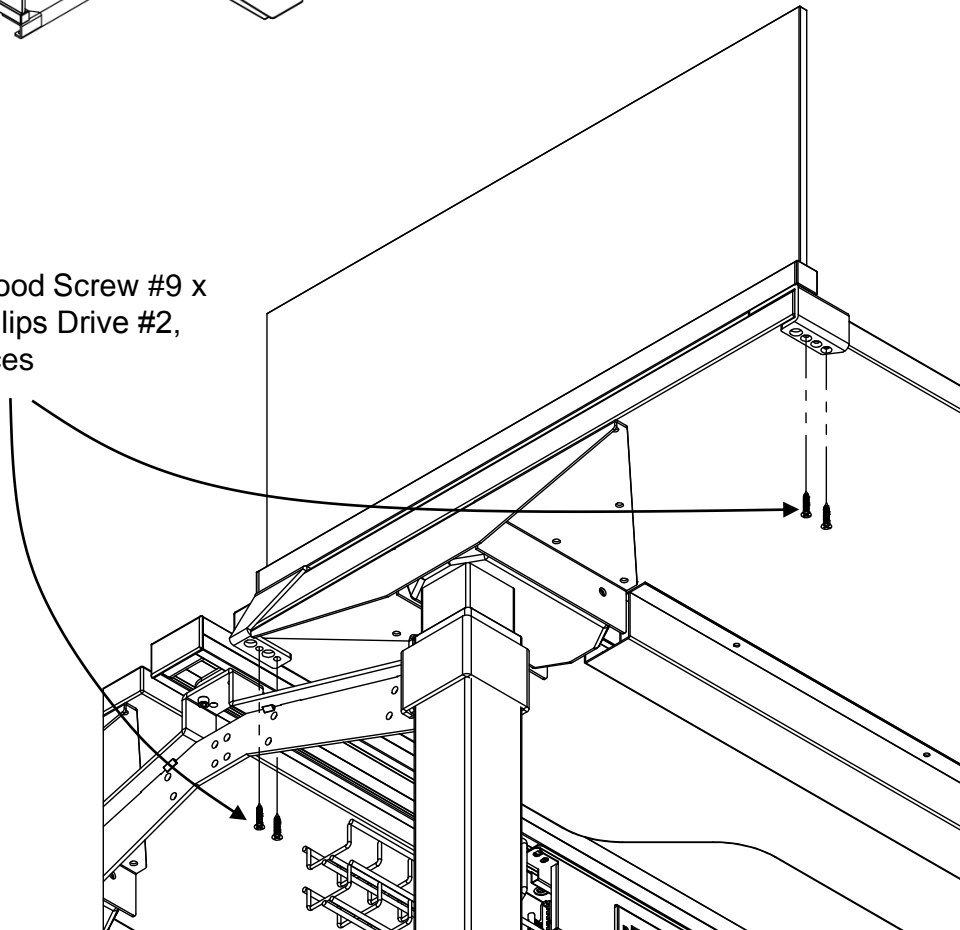
36





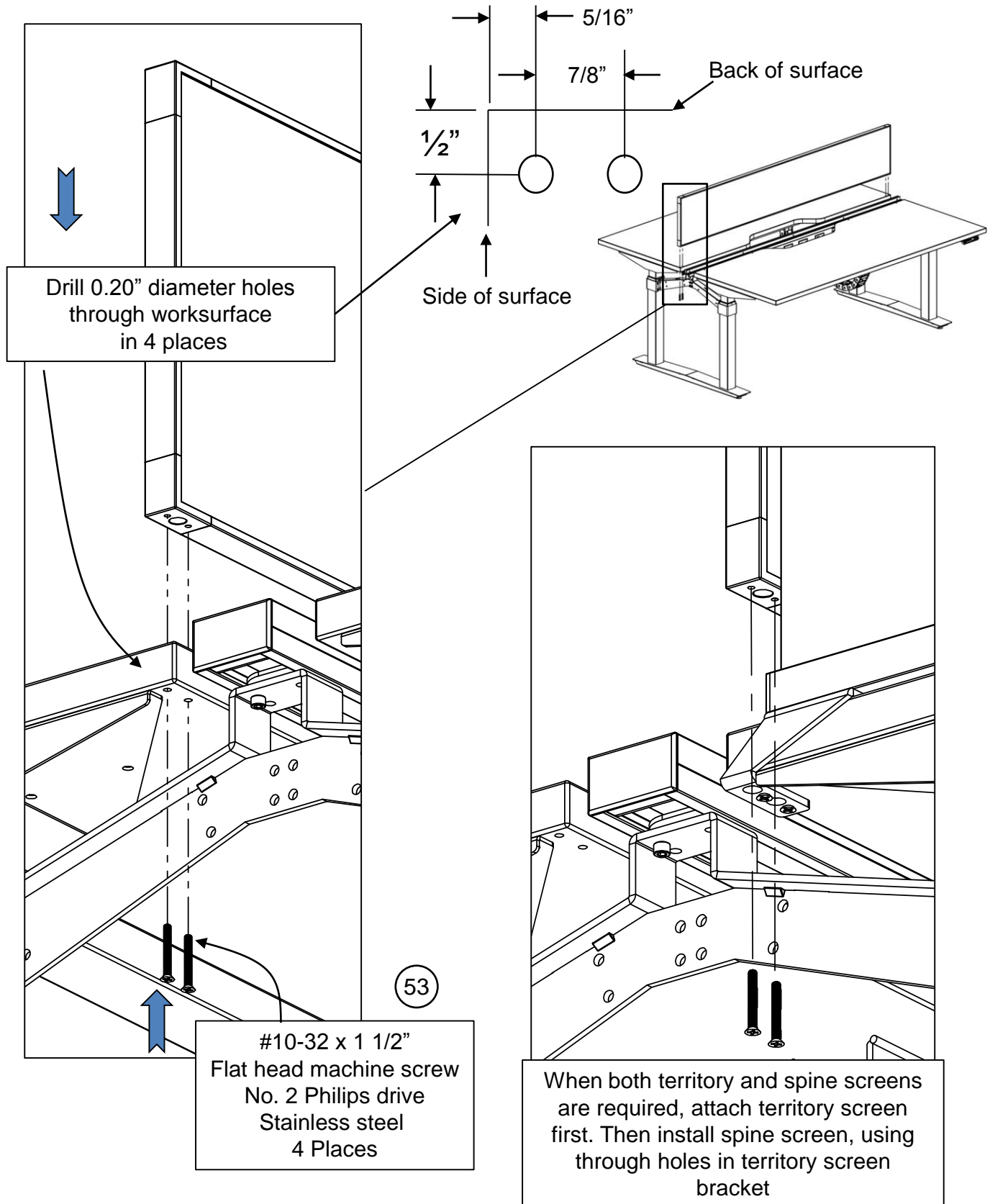


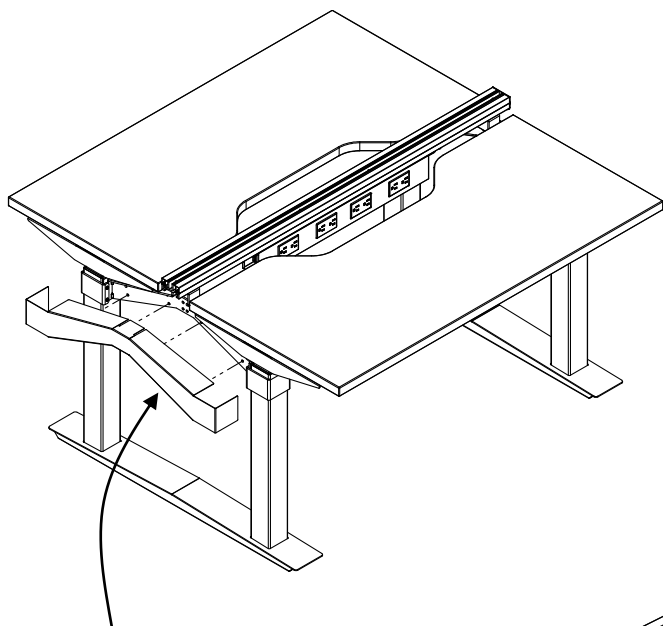
- (22) Flat Head Wood Screw #9 x 7/8" long Phillips Drive #2, silver, 10 places



Aloft 2019 Installation

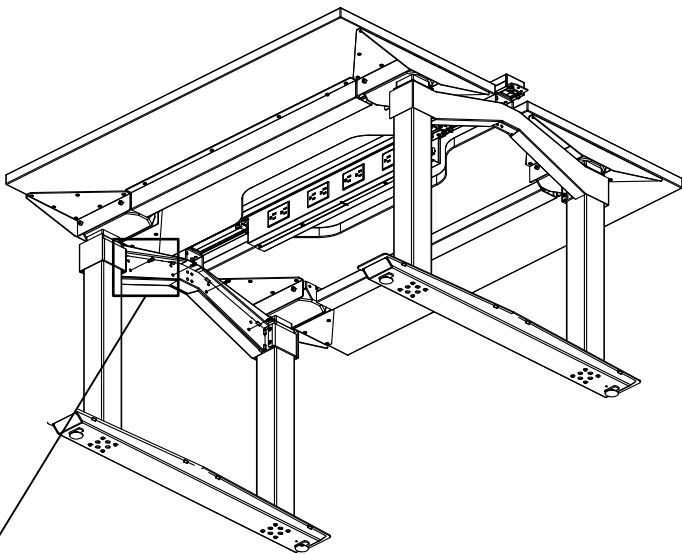
Slimline Spine Screen Install (height adjustable)





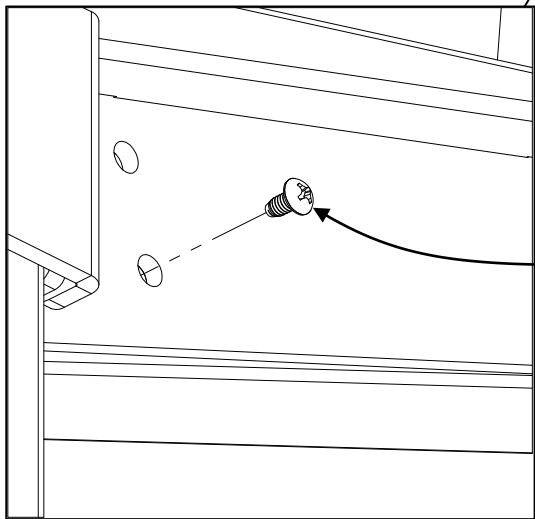
Double Arm Cover

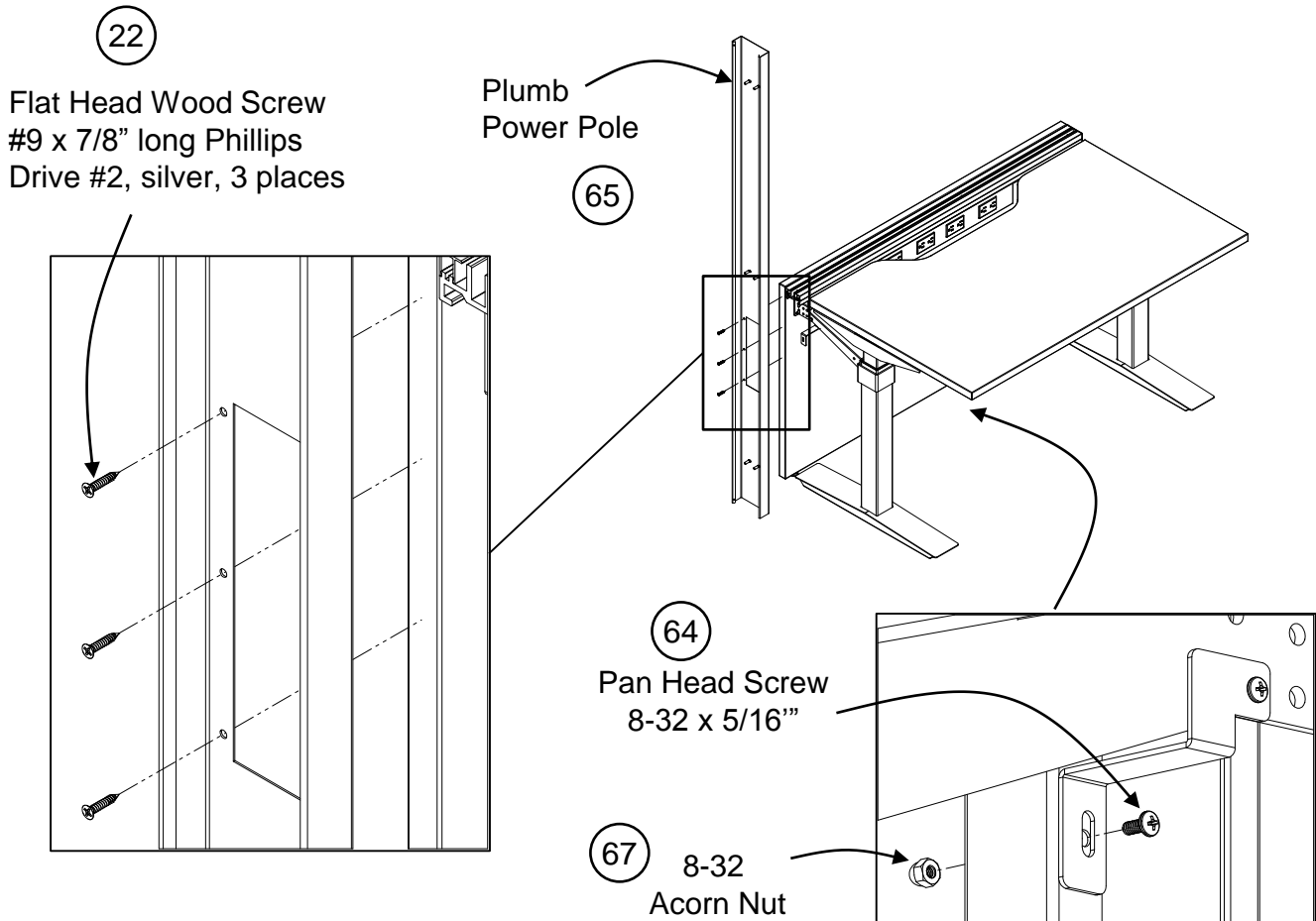
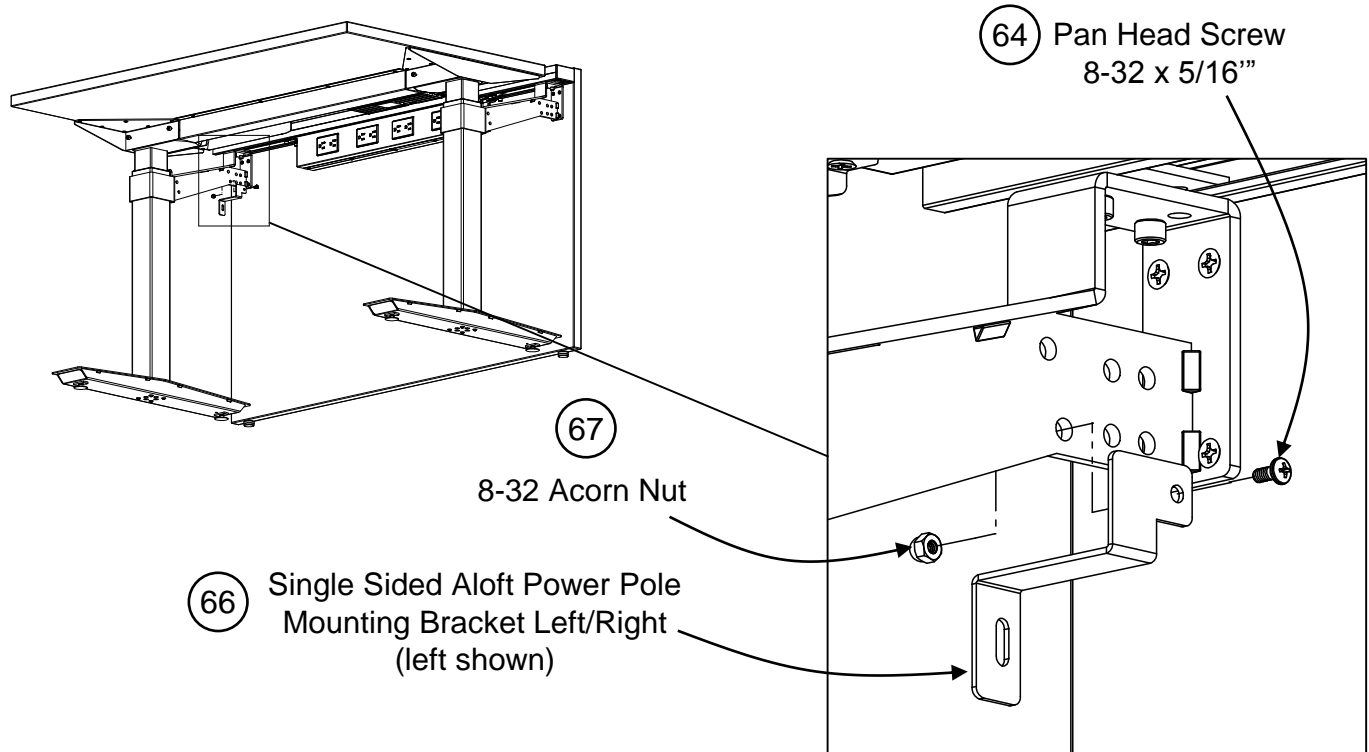
63

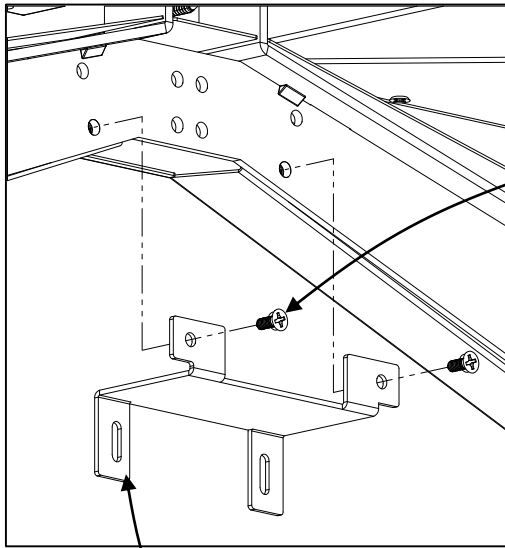


64

#8-32 x 5/16" long
Round Head
Thread Forming Screw
#2 Philips Drive
4 places



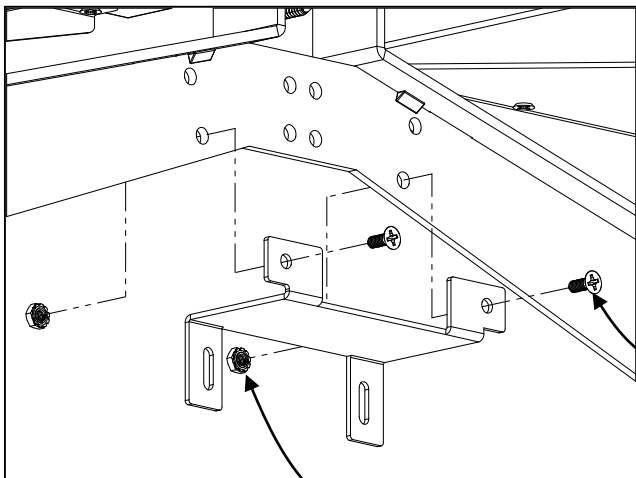
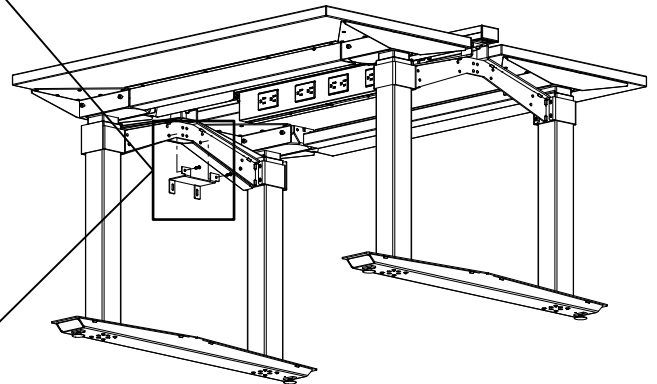




Power Pole Mounting Bracket (68)

With Aloft Arm Cover use:
#10-24 x 5/8" long
Flat Head Thread Cutting Screw
#2 Philips Drive 2 places

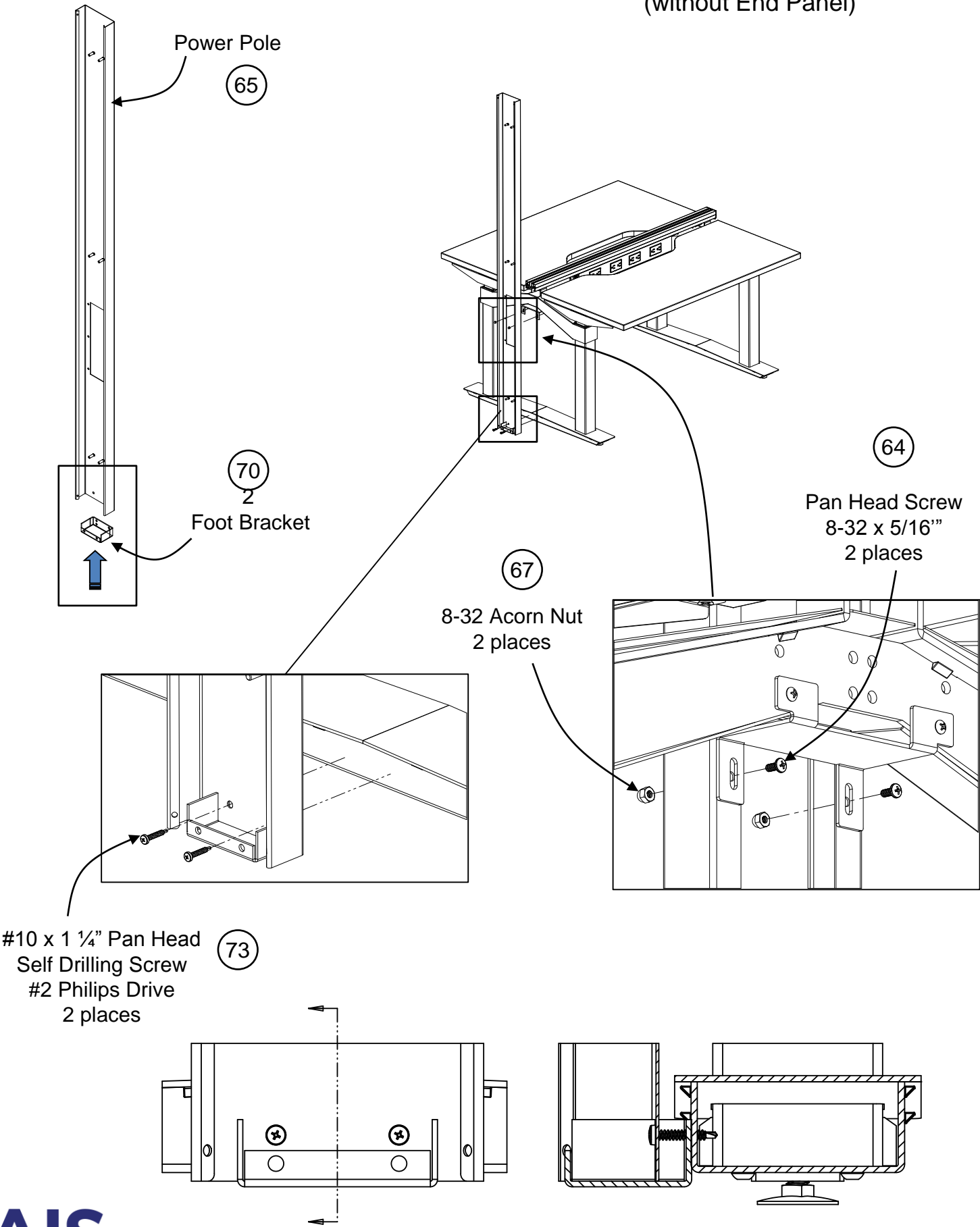
(69)

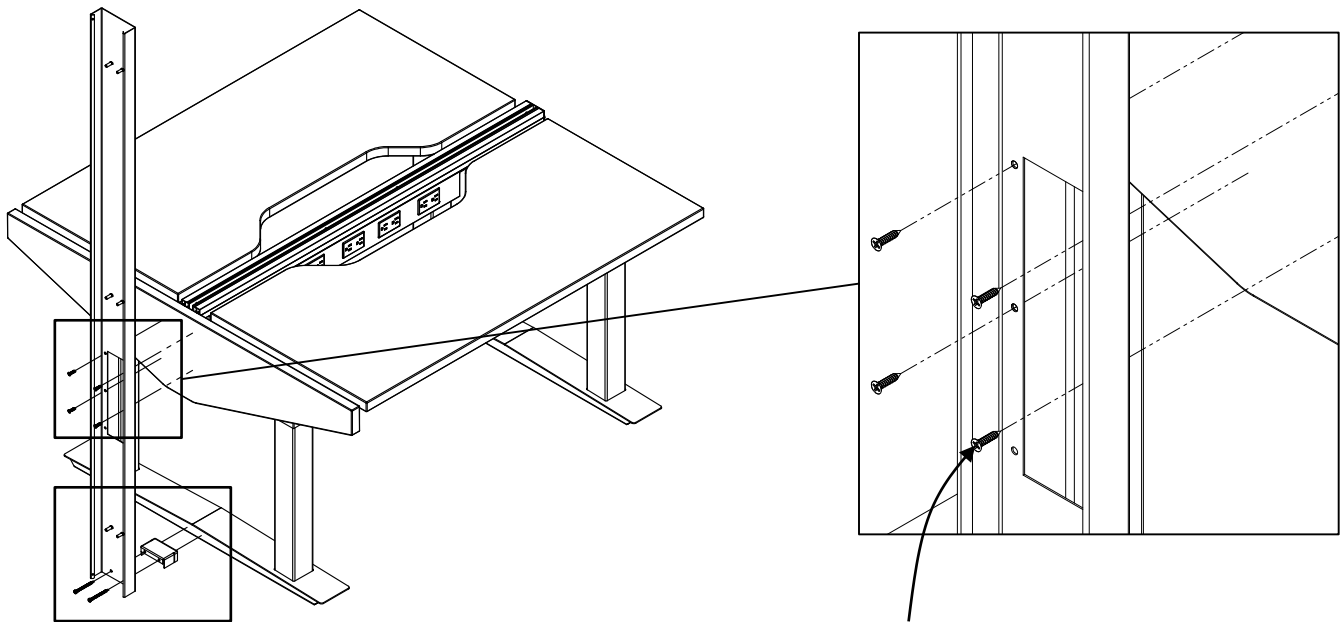


(70)

Without Aloft Arm Cover use:
#10-32 x 1/2" long
Flat Head Machine Screw
#2 Philips Drive 2 places
#10-32 Kep Nut

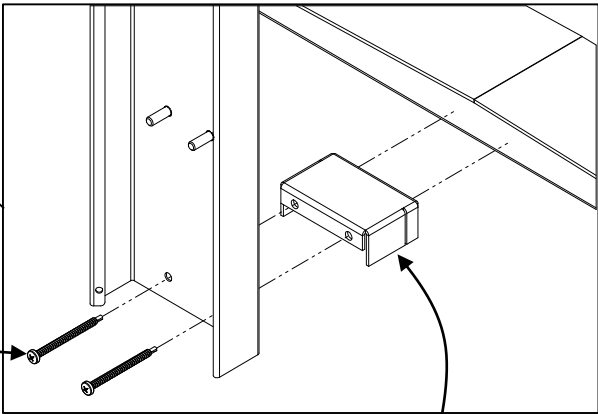
(71)



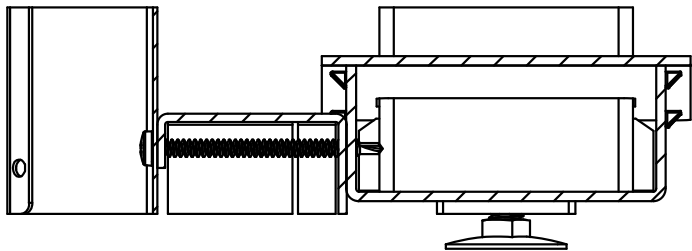
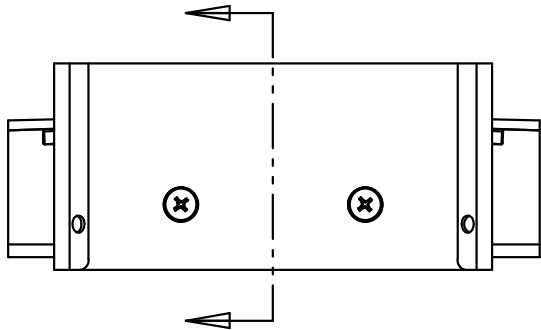


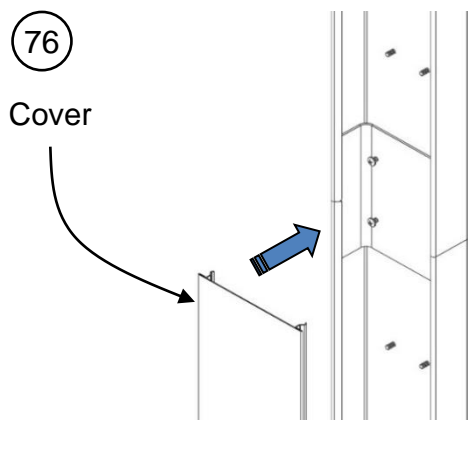
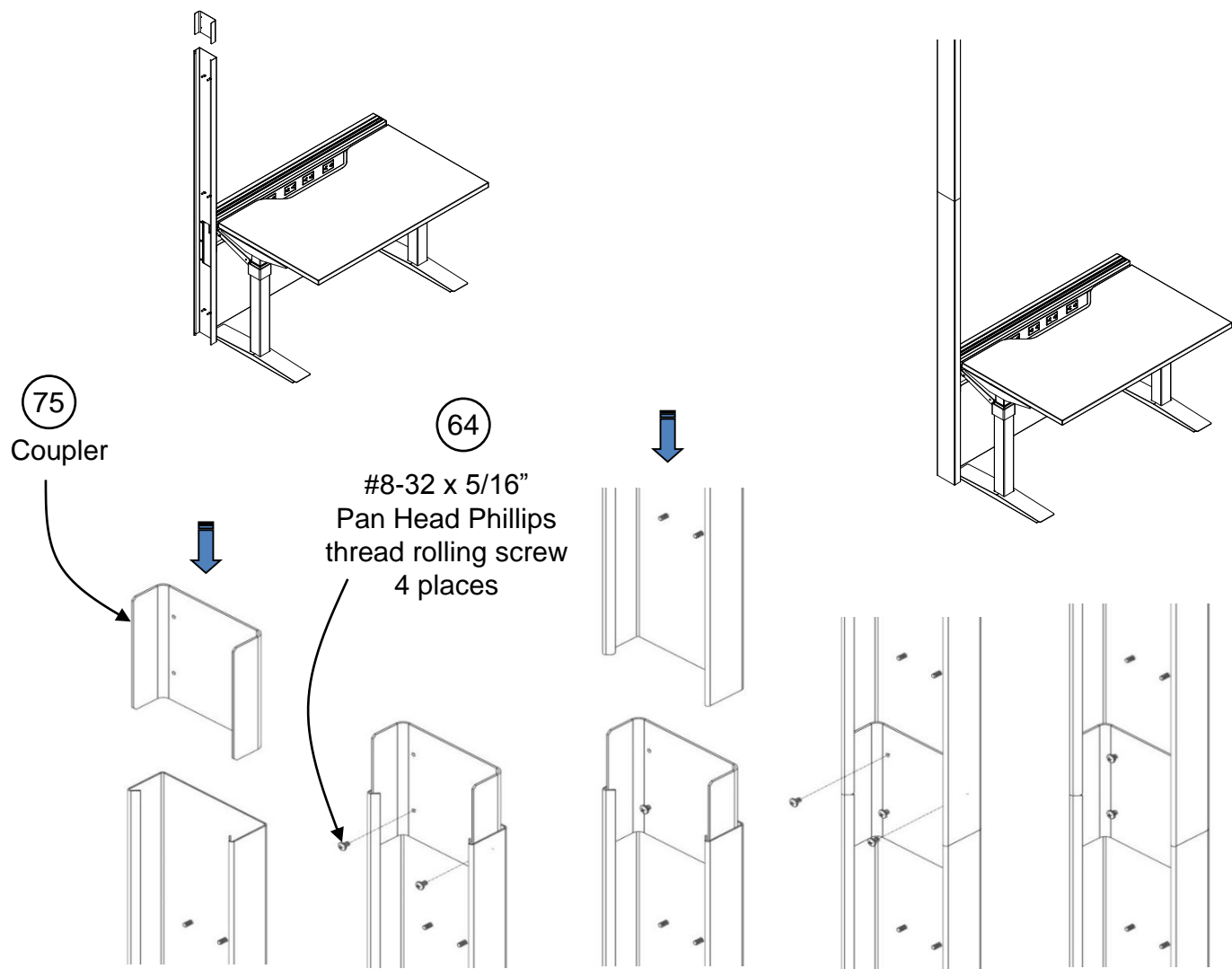
(22) Flat Head Wood Screw
#9 x 7/8" long
Phillips Drive #2, silver
4 places

(74) #10 x 2 1/2" long
Pan Head Drilling Screw
#3 Philips Drive
2 places



(72) Foot Bracket





Aloft 2019 Installation

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