

SpeedGate PDXT-C Installation Guide

REVISION 2 - JULY 2025

Tools Required

Tool Description	Used For
Anchor Installation:	
SDS - MAX Hammer Drill	Drilling Holes in Concrete
Hilti 1 1/8" Masonry Drill Bit for SDS – MAX (Hilti Product#340709) or equivalent	Concrete Anchors (hole depth of 9" required)
Hilti 3/4" Drive adaptor for SDS – MAX (Hilti Product#32221) or equivalent	
Hilti 1 1/2" Socket SDS/TE-C chuck type (Hilti Product#65284) or equivalent	Driving Anchors into Epoxy
Combination Wrench 1 1/2"	For Leveling Nuts
Shop Vacuum 1" round steel brush, air pump (not bulb type)	Clean Out Anchor Holes in Concrete
Rotating Laser Level	Leveling Anchors
String Line	Aligning Concrete Templates
SpeedGate Installation:	
Telescopic boom forklift or equivalent with a reach capacity of at least 4' above gate structure	Lifting Gate/Parts
Scissor lift (preferred) OR Scaffolding with wheels	Working on Gate Structure
Eye-to-Eye Sling with Vertical Lift Capacity of 6400lbs – 1 piece (16' – 20')	Lift Gate/Parts
Eye-to-Eye Sling with Vertical Lift Capacity of 2000lbs – 2 pieces (4' – 6')	Lift Gate/Parts
C-clamps or equivalent – 4 pieces (6" – 8")	Lifting Gate Panels
Bubble/Spirit Level - 4' OR Larger	Leveling Gate Structure & Anchors
General SpeedGate Tools:	
Extension Cord 100 – 200'	As Jobsite Conditions Require
Angle grinder	Cutting Concrete Anchors
3 – 4 lb Sledge/Ball Peen Hammer	Miscellaneous
Combination Wrenches 3/4", 1/2"	Gate Fasteners
Ratchet 1/2" drive with 3/4" Deep Socket OR 3/4" Socket with Extension	Gate Fasteners
Ratchet 3/8" or 1/4" drive with 1/2" & 7/16" Socket	Gate Fasteners
Allen key/Hex key Set	Gate Fasteners
Torque Wrench 1/2" drive with 1/2" hex head	Gate Fasteners
Plug Tap – 1/2" NC-13	Hinge Bolt Holes
Cutting Oil/Fluid & Cleaning Rags	Tapping
1/2" Cordless Drill with Robertson/Square, Phillips, 1/4" Bit Driver and 1/8" concrete drill bit.	Gate Structure & Electrical
1/2" Corded Drill with 1/4", 3/8", and 1/2" Cobalt Drill Bits	Drilling Through 1/4" Steel
1" Hole Saw	Drilling Through 1/4" Steel
1/4" Multi-Drive Screwdriver	Gate Fasteners
Measuring tapes, wire cutters/strippers, utility knife, permanent marker, multi-meter	Miscellaneous
Pail/mixing wand/trowel, for grouting beneath flange mount plates	Gate Columns

Included



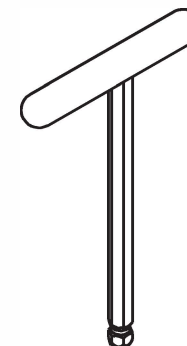
T-Handle Lock Key
(if applicable)



Paracentric Lock Key
(if applicable)

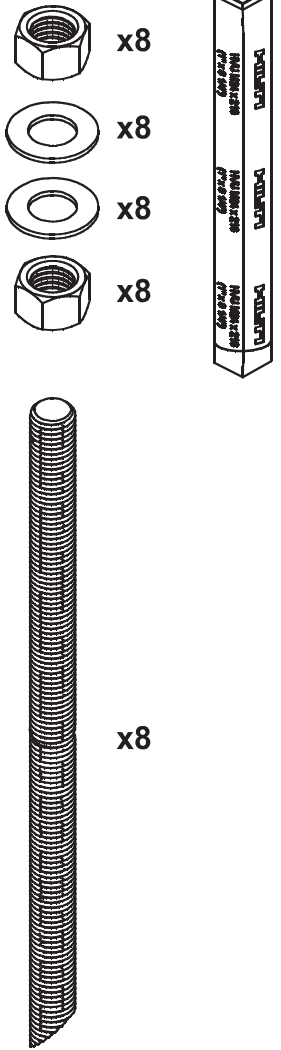

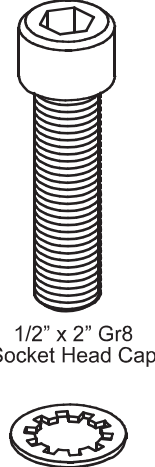
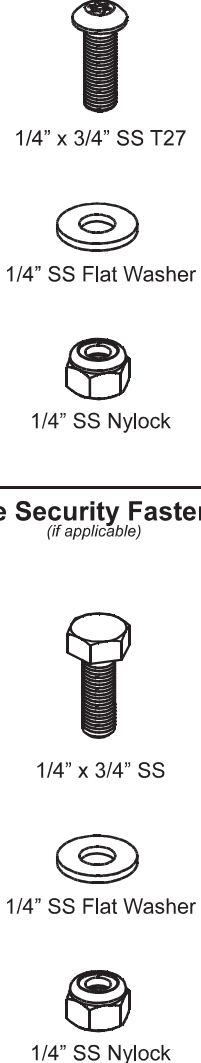



T-27 Security Driver Bit
(if applicable)

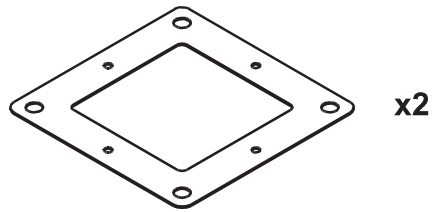


3/8" Ball Nose T-Handle Driver
(if applicable)

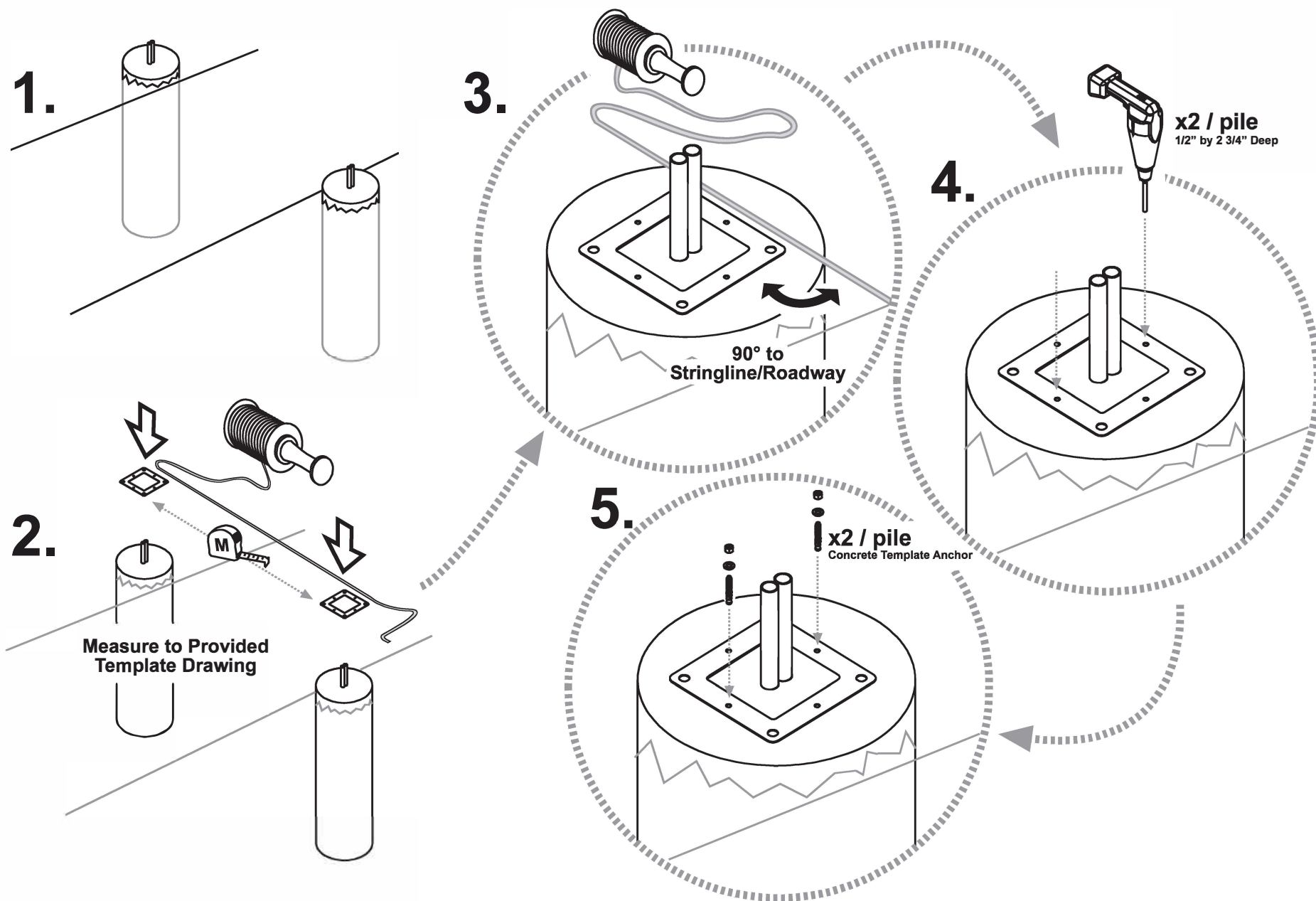
Fasteners

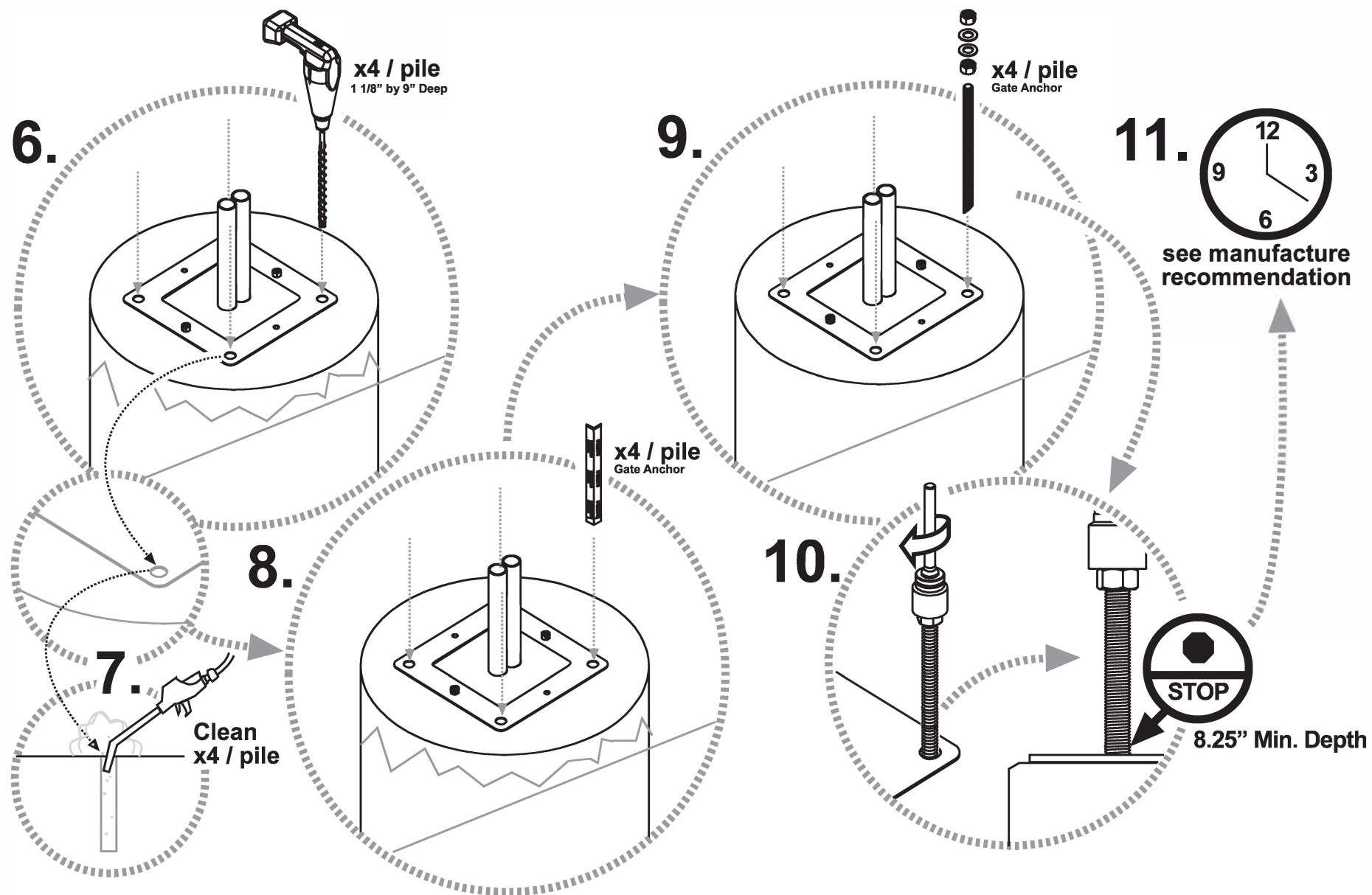
 <p>Gate Anchor</p>	 <p>Concrete Template</p>	 <p>Hinge</p>	 <p>Spare Regular Fasteners <i>(if applicable)</i></p>	 <p>Drive Pin</p>
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Assemblies (PDXT-C)

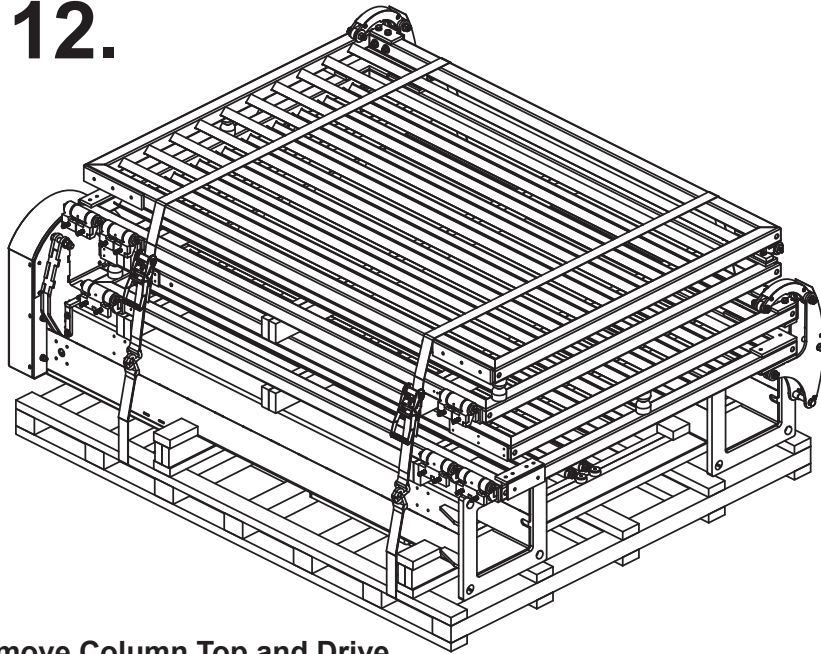


Concrete Template

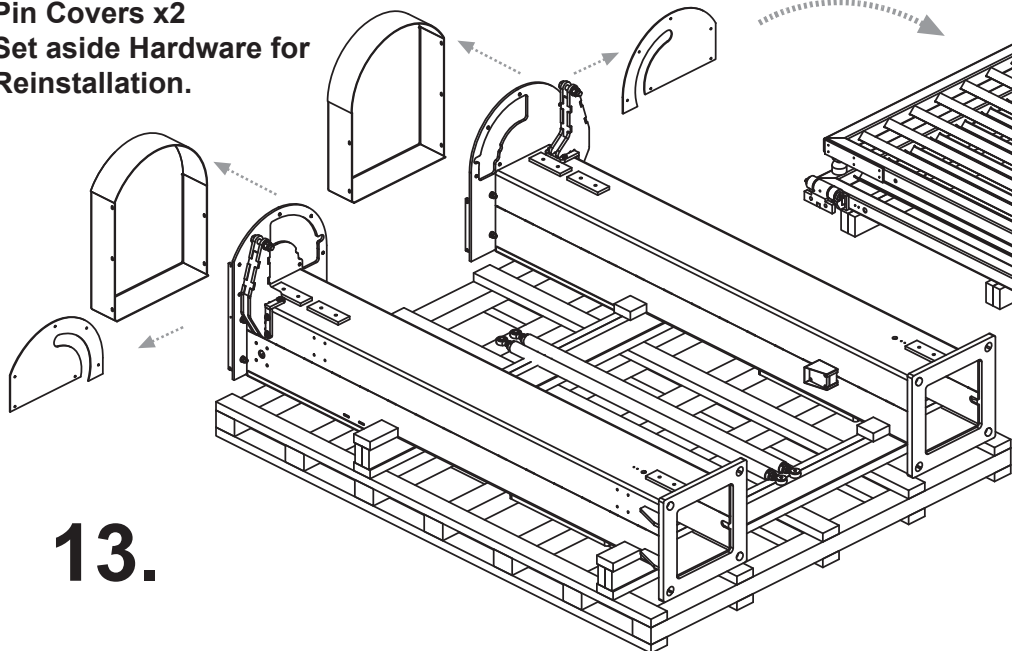




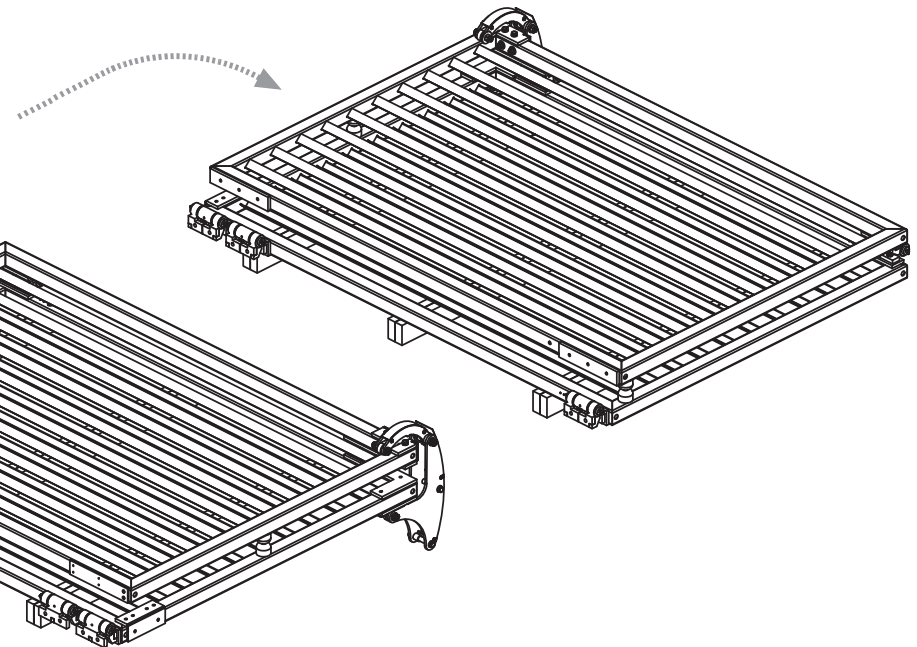
12.



Remove Column Top and Drive Pin Covers x2
Set aside Hardware for Reinstallation.



13.

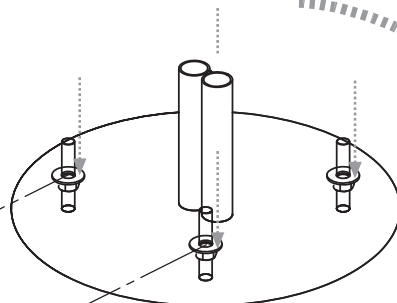
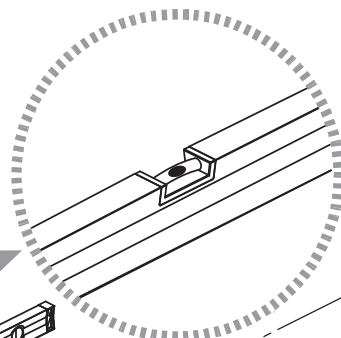
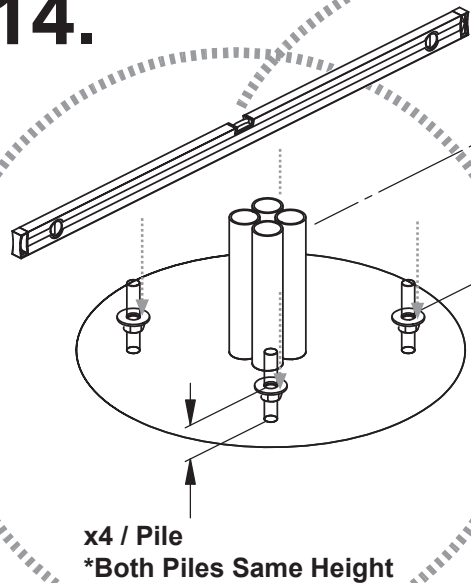


Unstrap and Set Aside Panel Assemblies x2

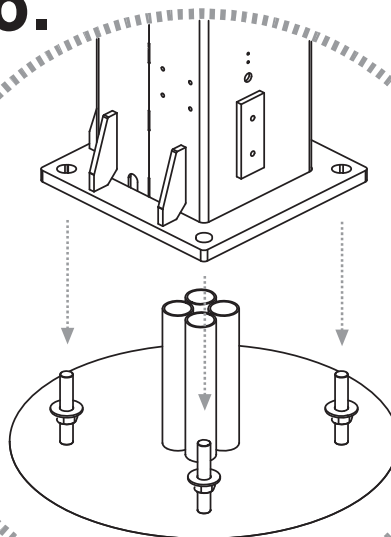


Ensure that the Panels are Blocked so that the Knuckle Assemblies do not get Damaged / Scratched.

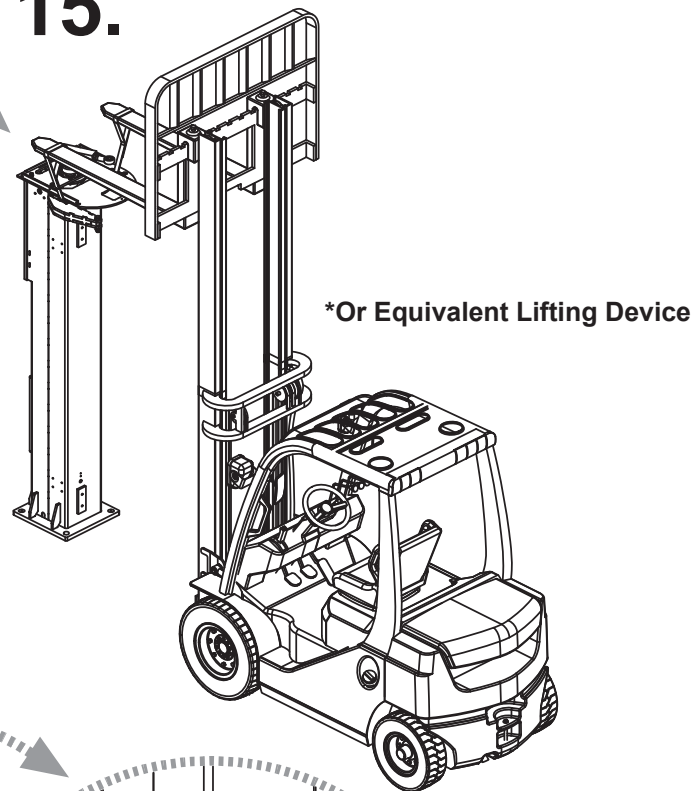
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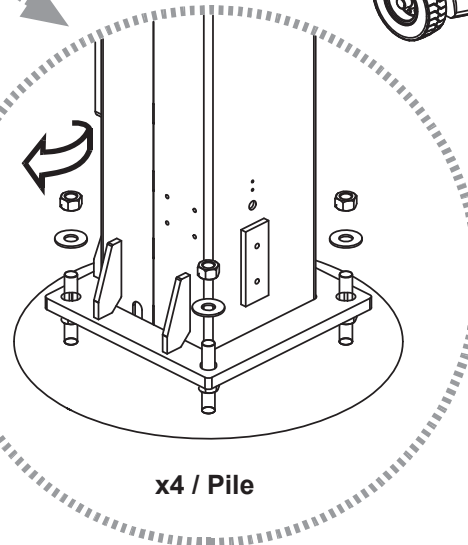
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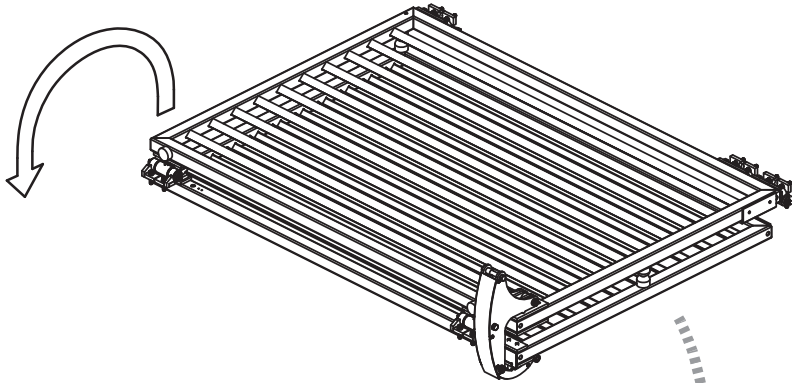
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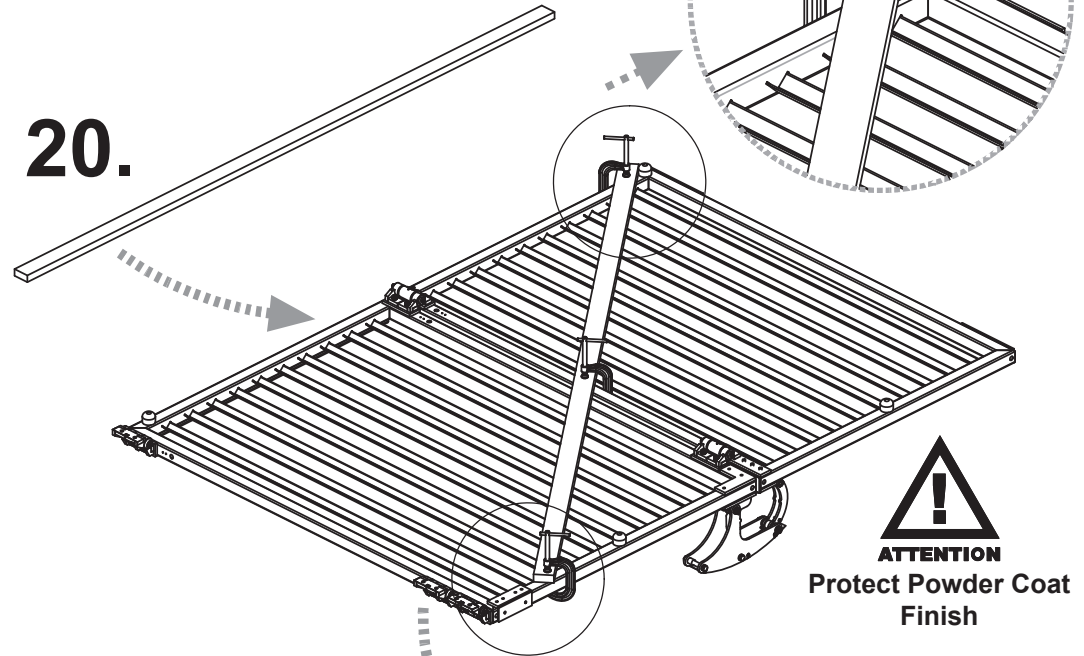
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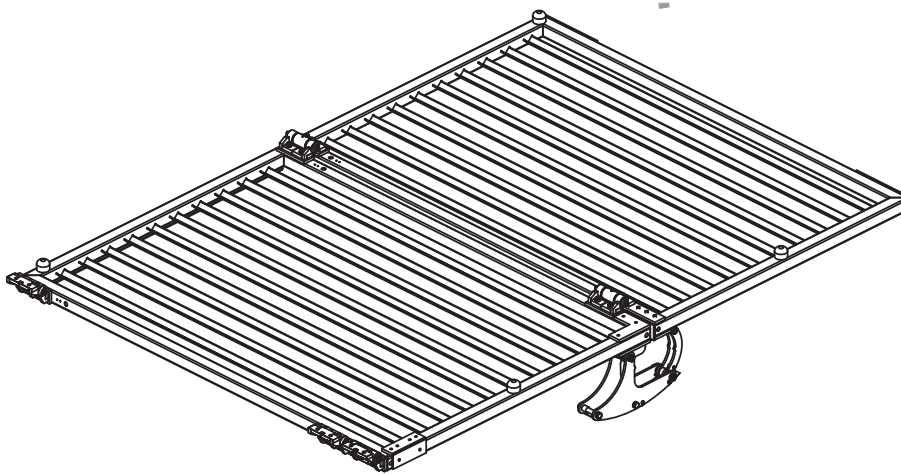
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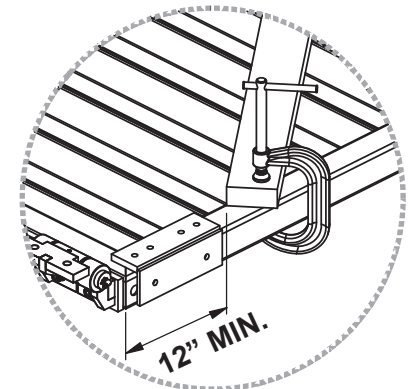
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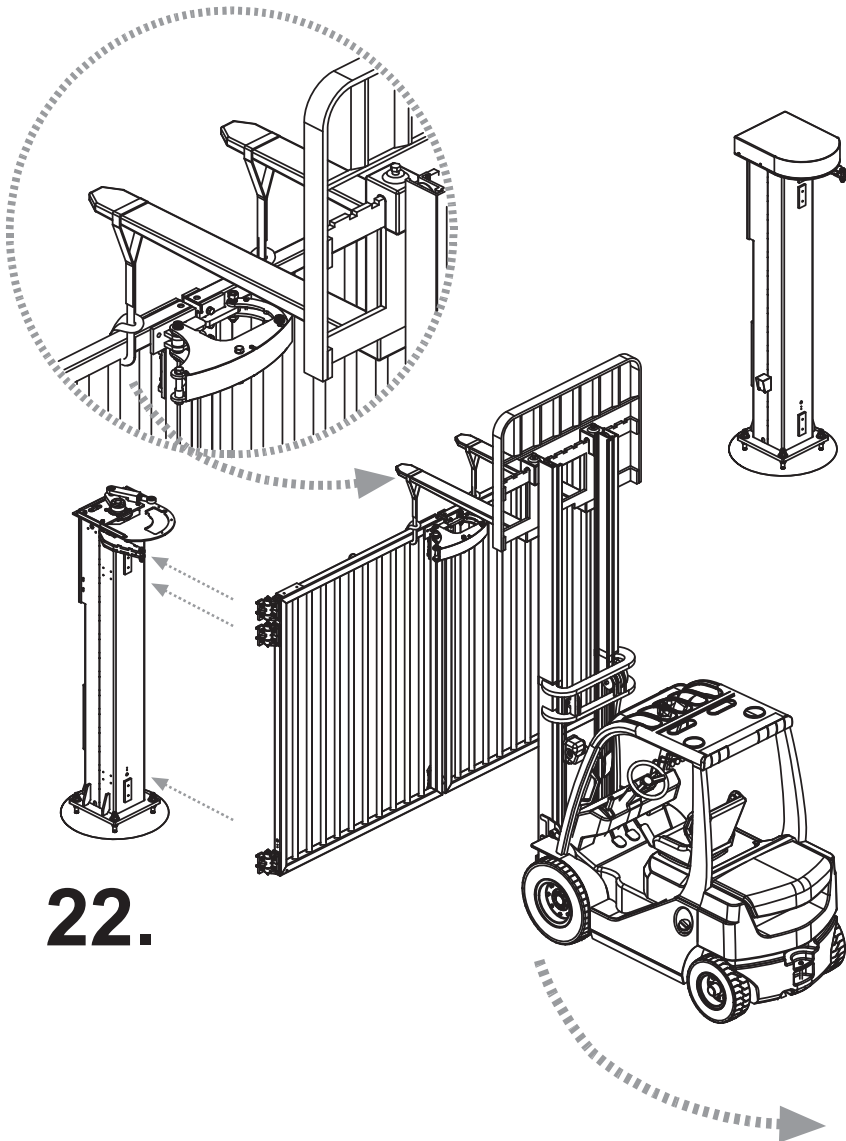


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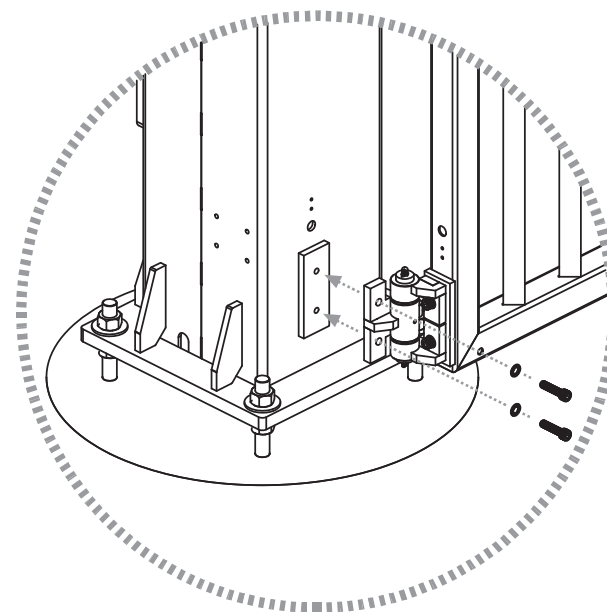


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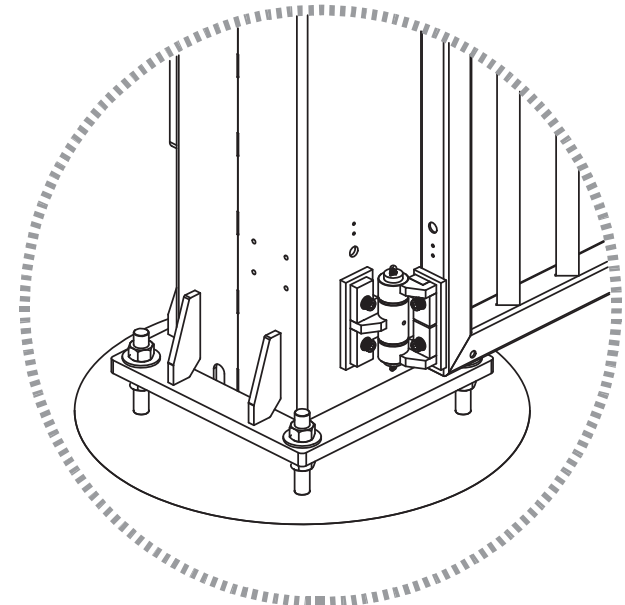




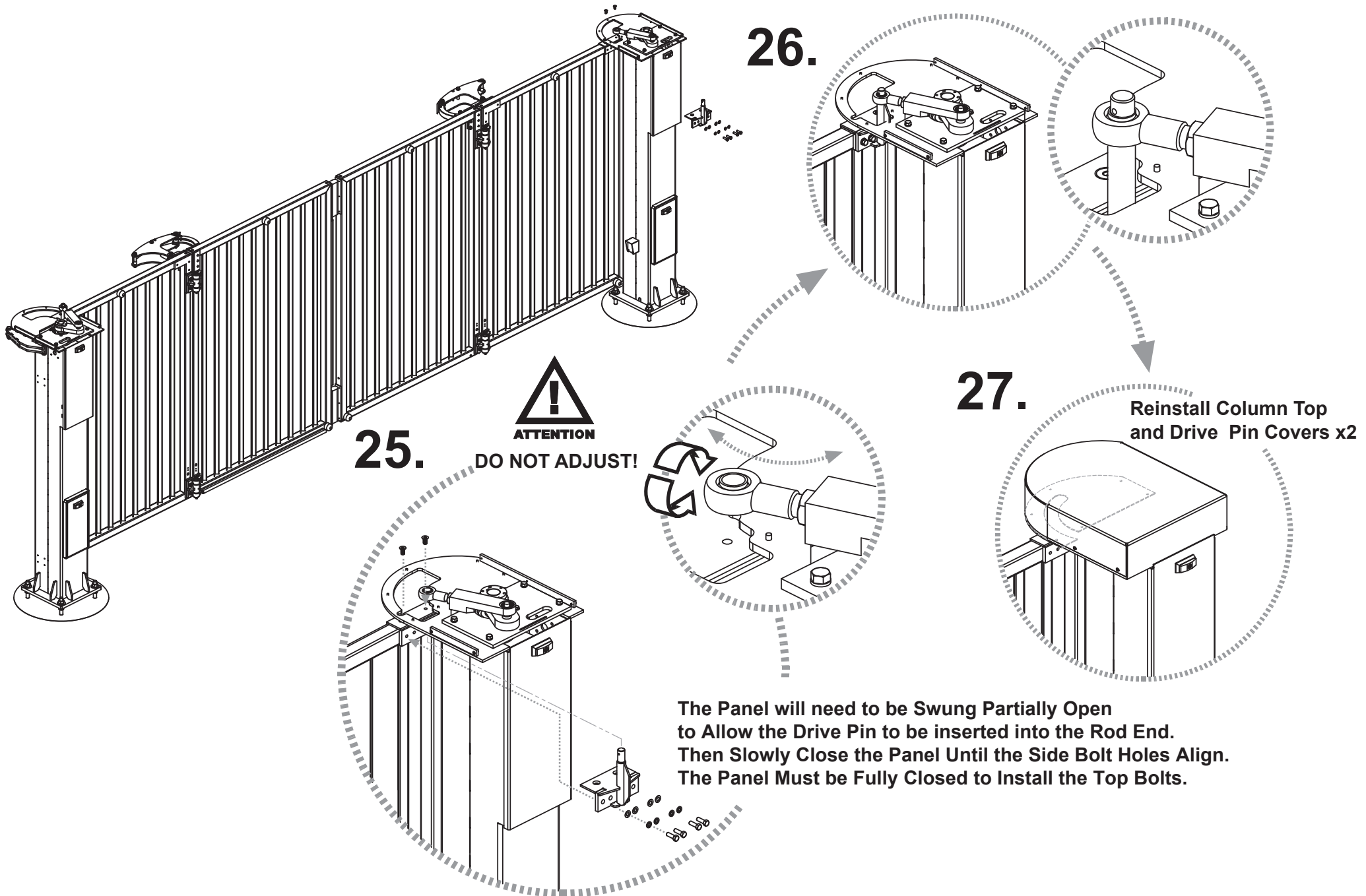
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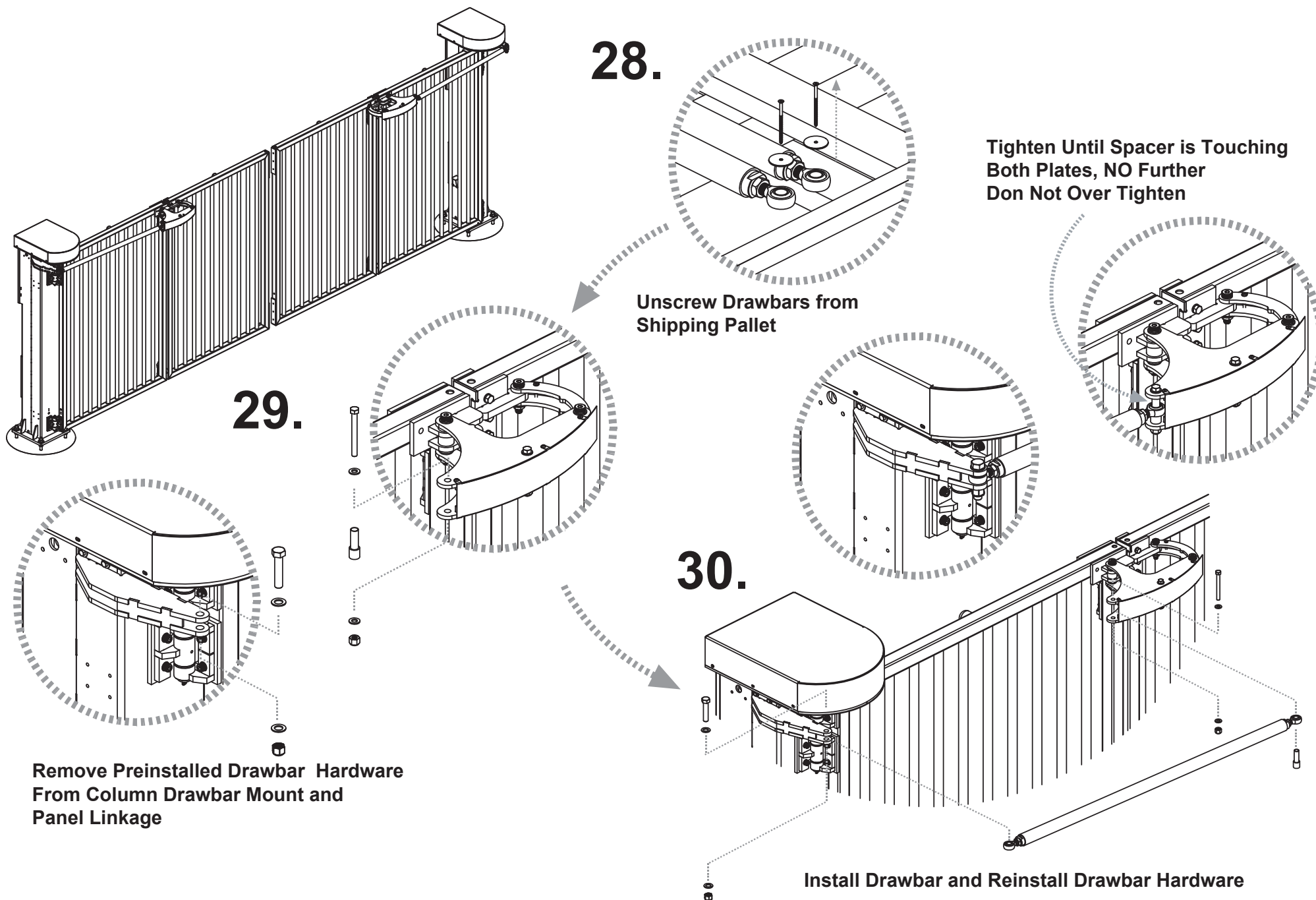


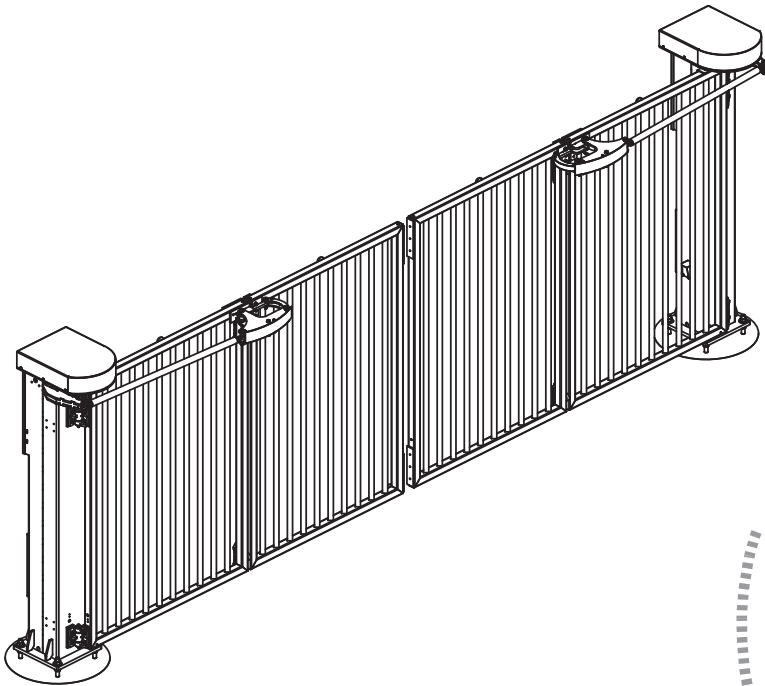
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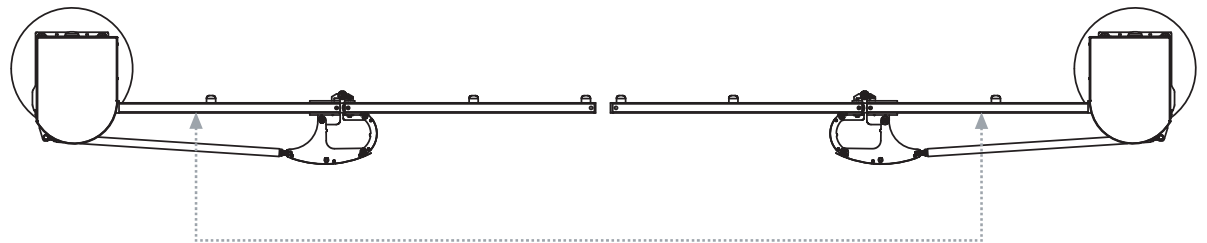
x2 / Hinge
Torque 85 ft/lbs





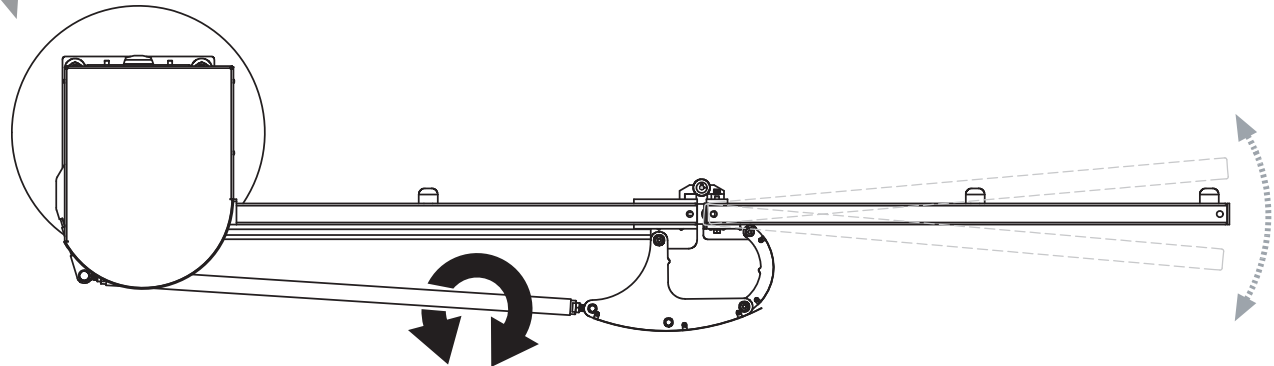


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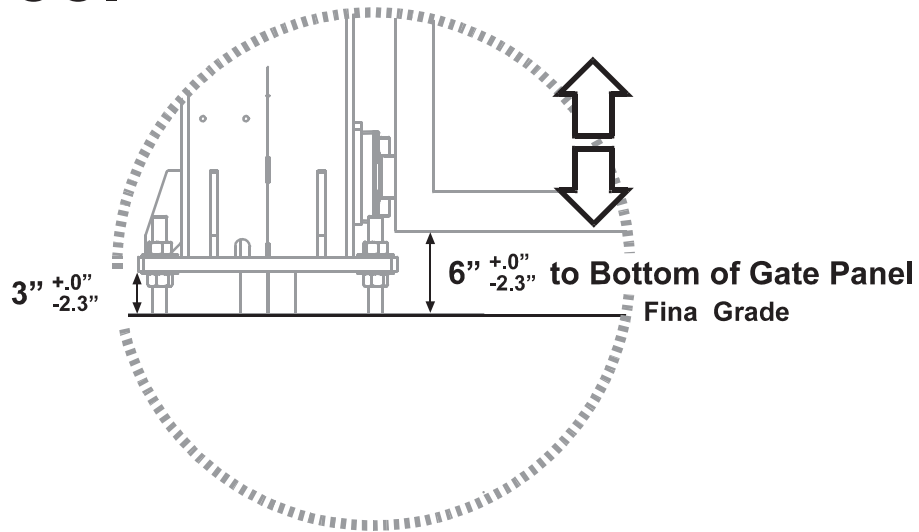
Once Drawbars are Installed, the Faces P1 & P4 Panels Must be Aligned

32.

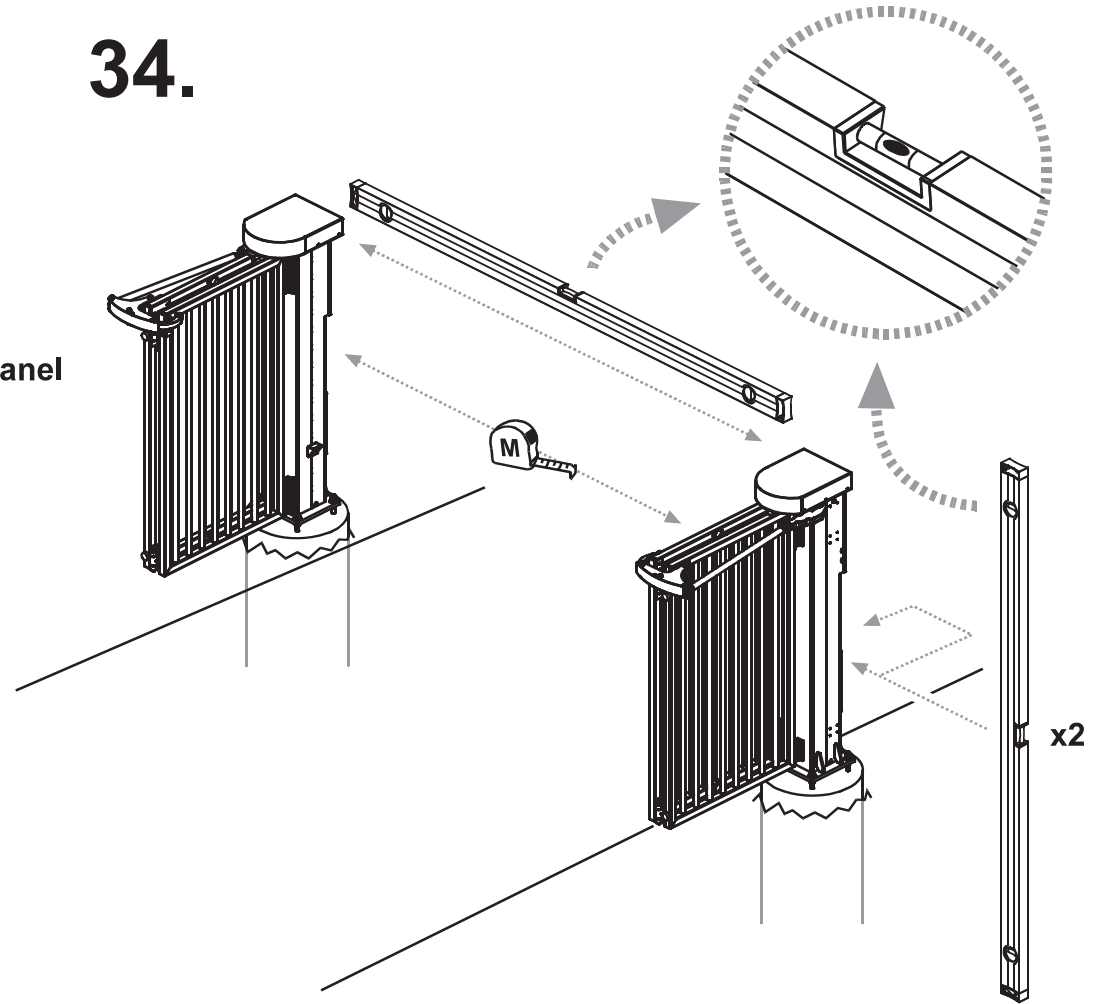


**Adjust Drawbars to Align P2 & P3 Panels as Needed.
Once Panels are Aligned Re-tighten Drawbar Jam Nuts**

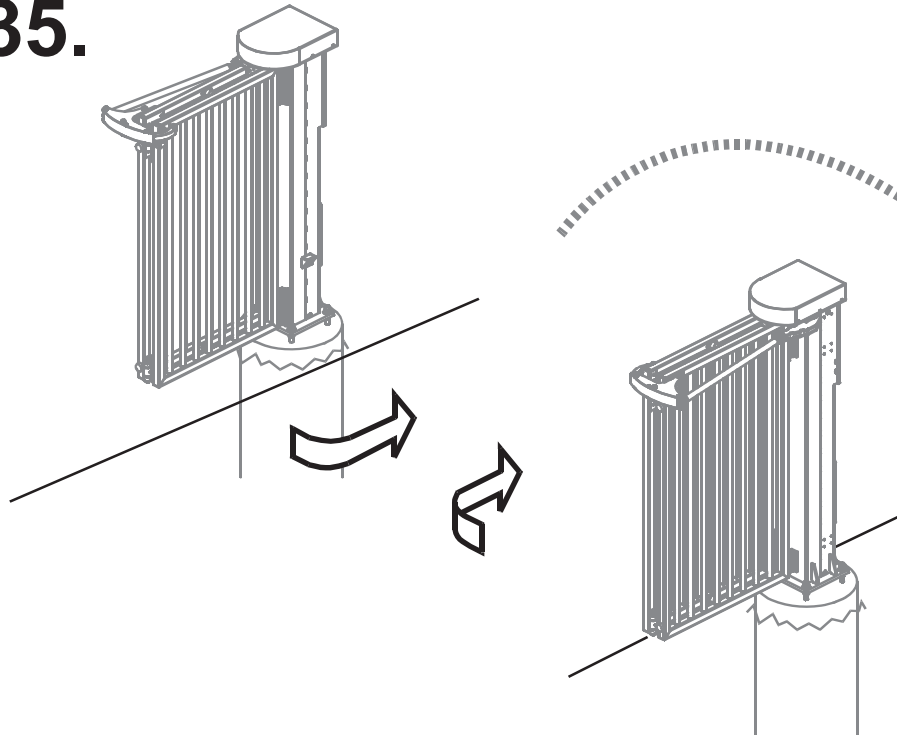
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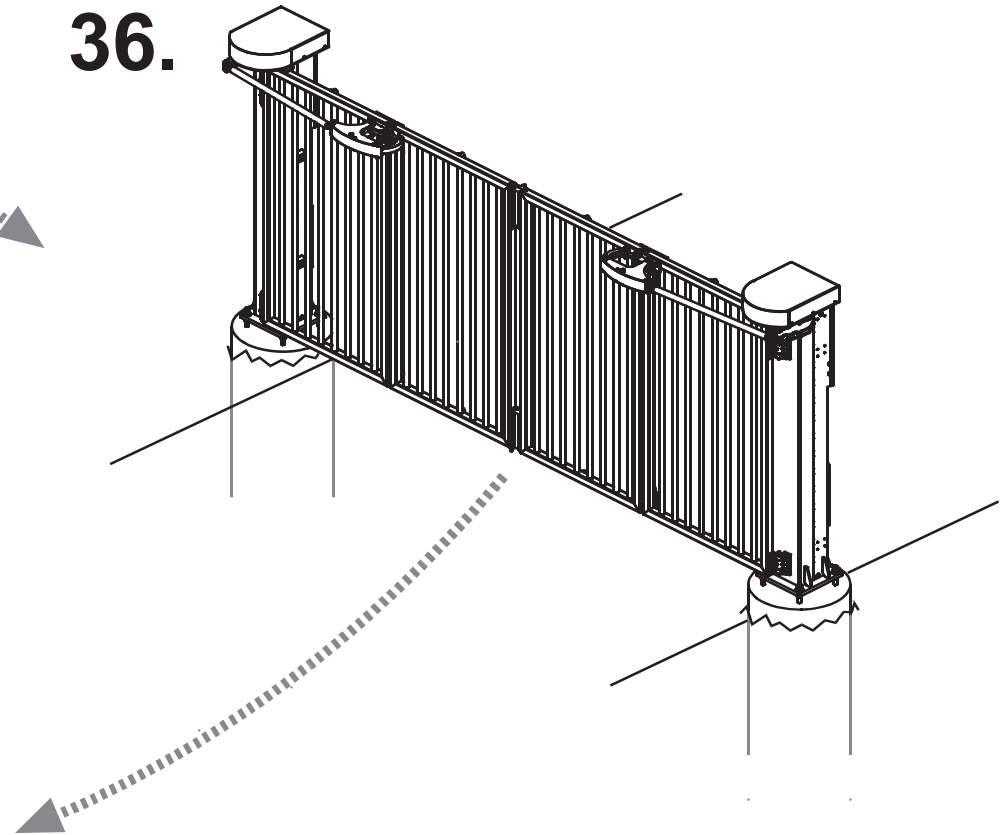
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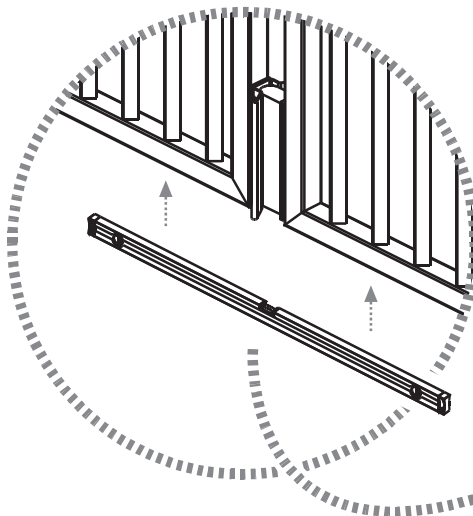
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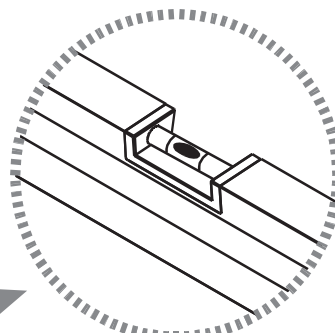
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37.



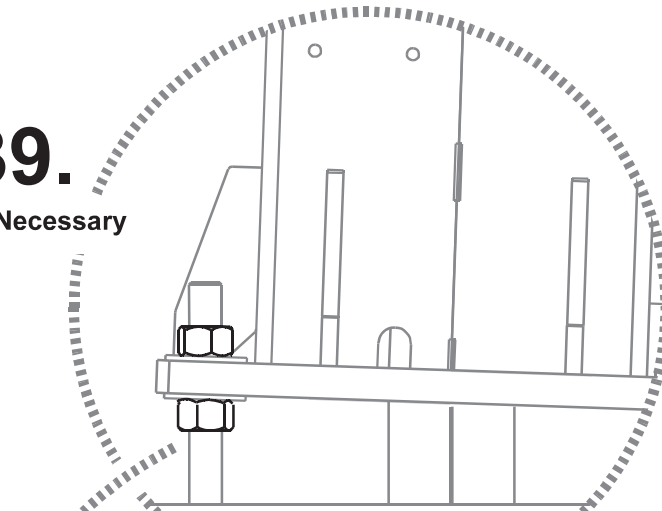
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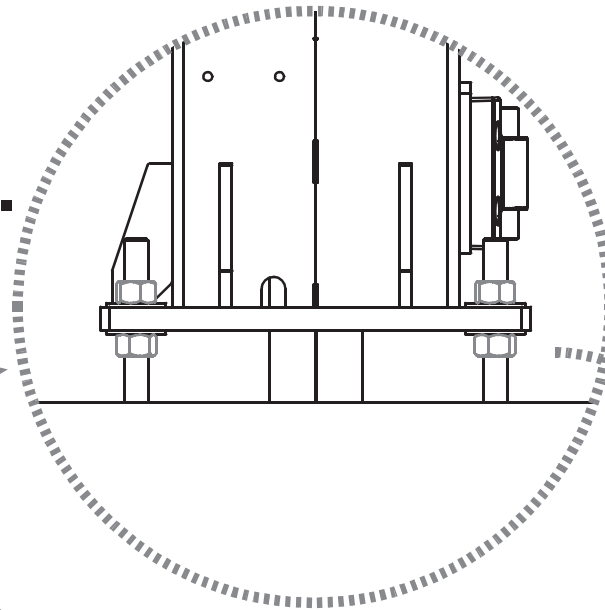
Entire Gate

39.

***If Necessary**



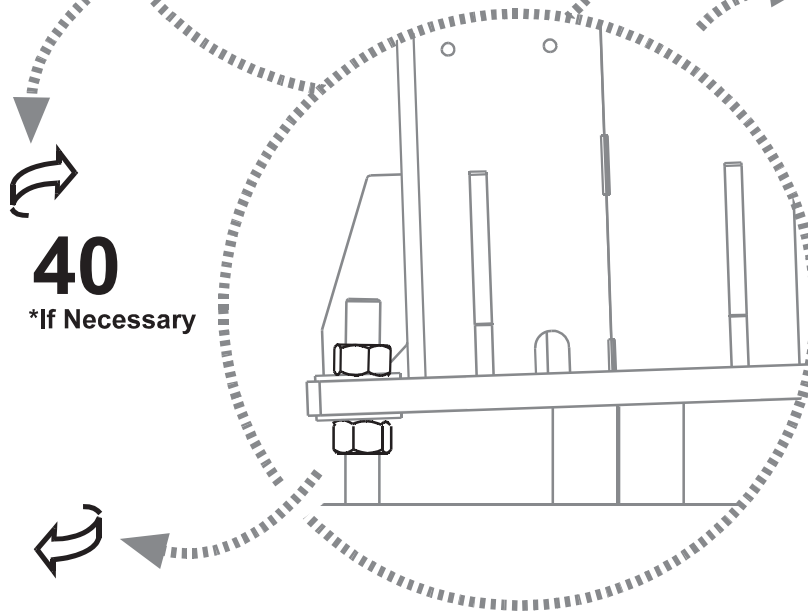
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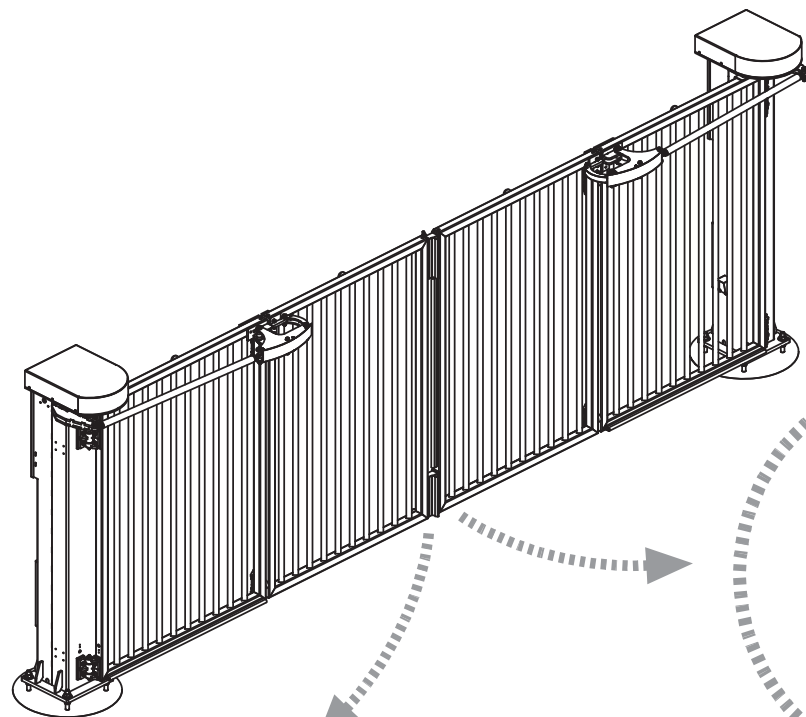
x4 / Column
Approx. 210 ft/lbs

40

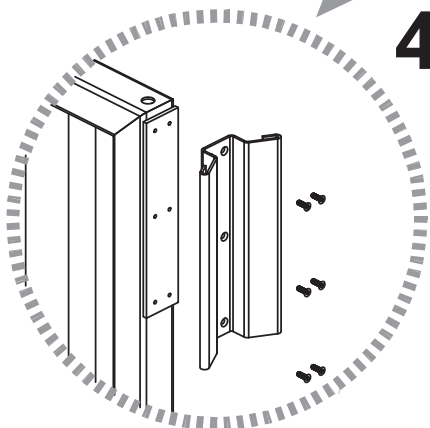
***If Necessary**



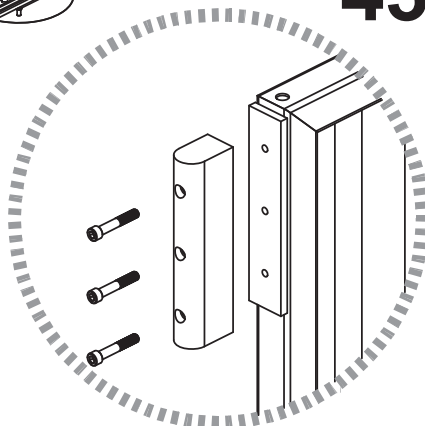
**When Gate Installation and Leveling is Complete
Install Vertical Panel Catches**



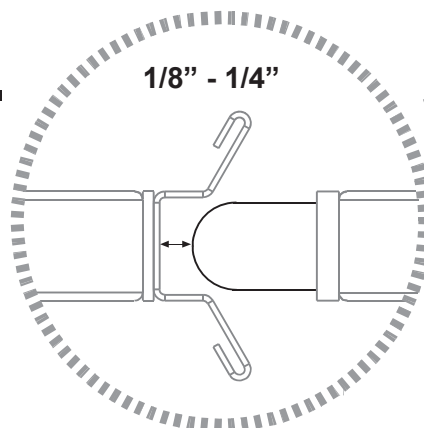
42.



43.



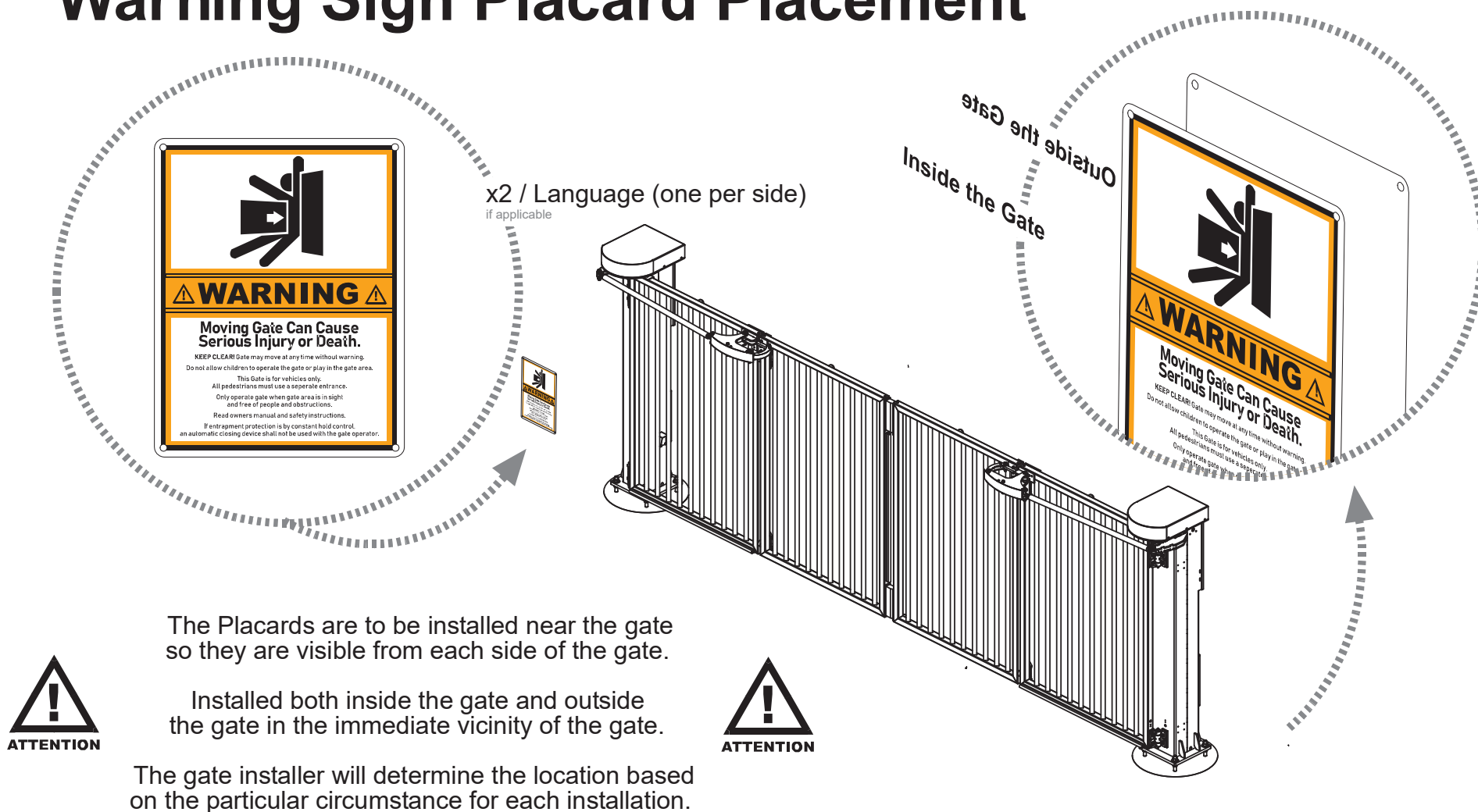
44.



The SpeedGate can now be wired.

**If Required Trim Nylon Block to
Achieve 1/8" - 1/4" Gap**

Warning Sign Placard Placement



Warning Sign Placard Placement shown here is for demonstration purposes only. Final Location is determined by the gate installer.