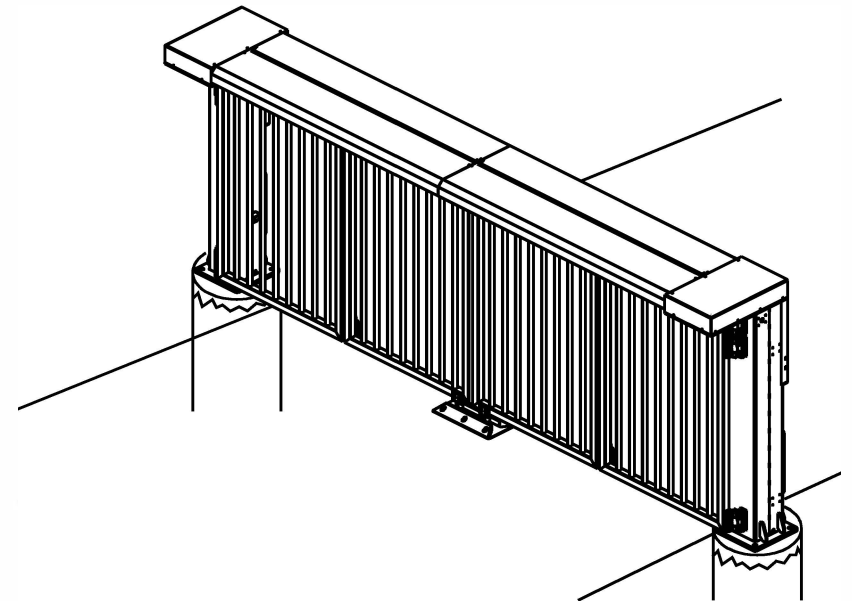




SpeedGate PDTT-Max Installation Guide

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



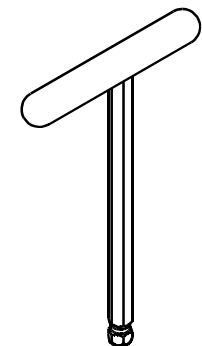
T-Handle Lock Key
(if applicable)



Paracentric Lock Key
(if applicable)

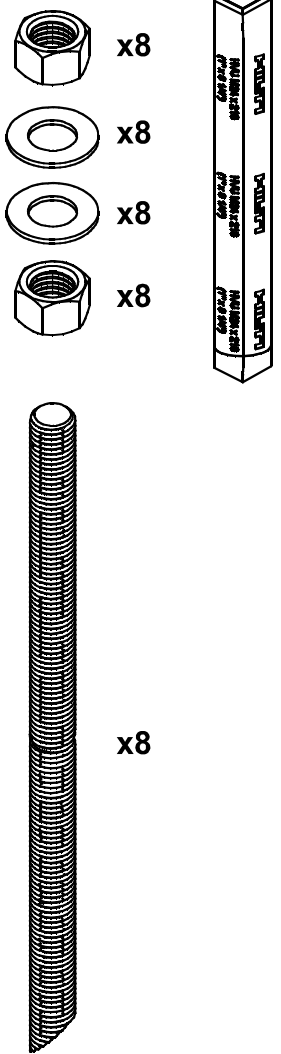
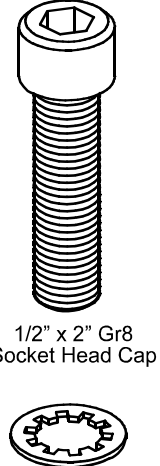
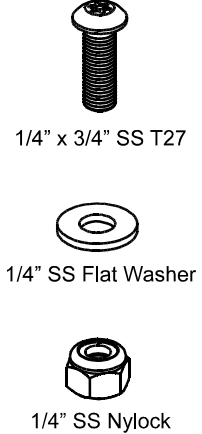
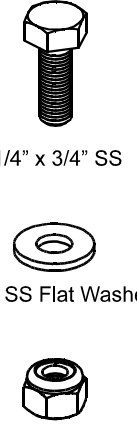


T-27 Security Driver Bit
(if applicable)

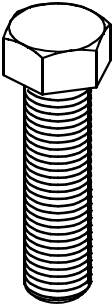
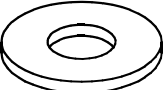
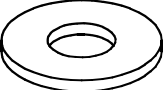
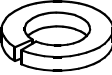
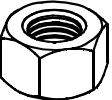
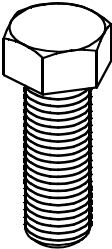
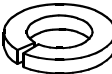
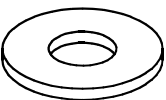
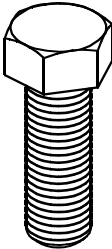
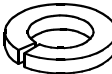
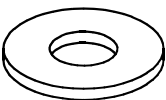
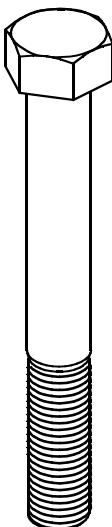


3/8" Ball Nose T-Handle Driver
(if applicable)

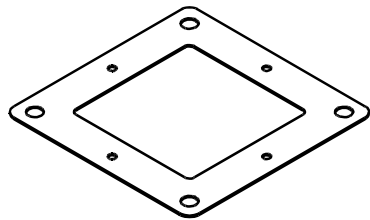
Fasteners

 Gate Anchor	 Concrete Template	 Hinge	 Spare Security Fasteners <i>(if applicable)</i>  Spare Regular Fasteners <i>(if applicable)</i>
--	---	--	---

Fasteners (PDTT-Max)

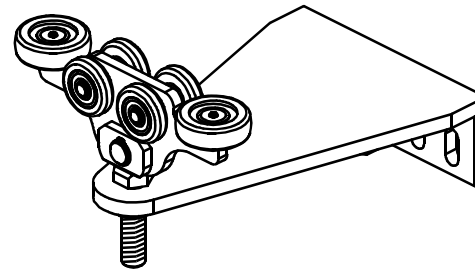
 x12 1/2" x 2" Gr.8  x12 1/2" Washer  x12 1/2" Washer  x12 1/2" Lock Washer  x12 1/2" Nut Gr8	 x8 1/2" x 1 1/2" Gr8  x8 1/2" Lock Washer  x8 1/2" Flat Washer	 x12 1/2" x 1 1/2" Gr8  x12 1/2" Lock Washer  x12 1/2" Flat Washer	 x4 1/2" x 4" Gr8  x4 1/2" Washer  x4 1/2" Washer  x4 1/2" Lock Washer  x4 1/2" Nut Gr8	 x4 1/2" Nut  x4 1/2" Washer  x4 1/2" x 2 3/4" Wedge Anchor
Header	Captured Roller	Drive Pin	Center Catch Pin <i>(if applicable)</i>	Center Catch Plate <i>(if applicable)</i>

Assemblies (PD TT-Max)



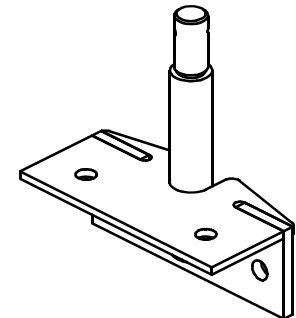
x2

Concrete Templates



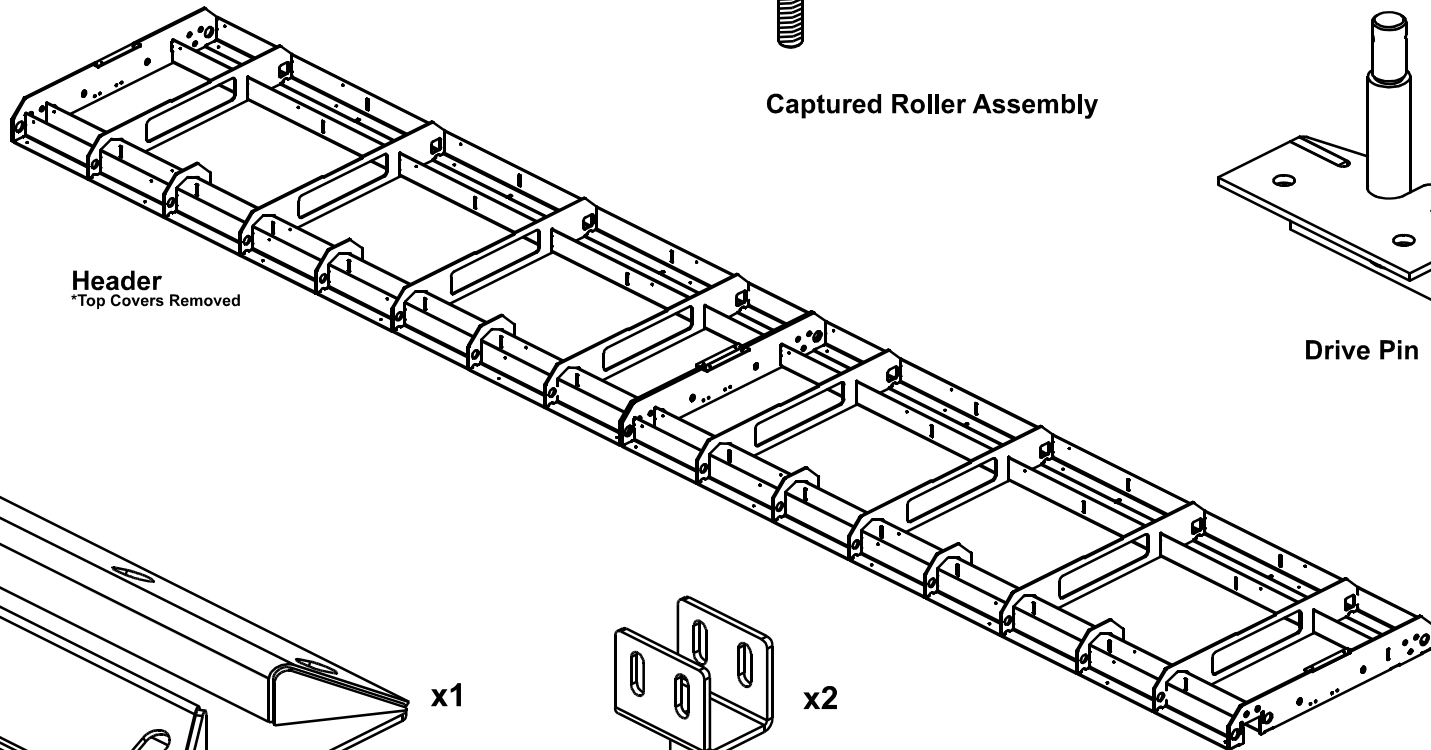
x2

Captured Roller Assembly

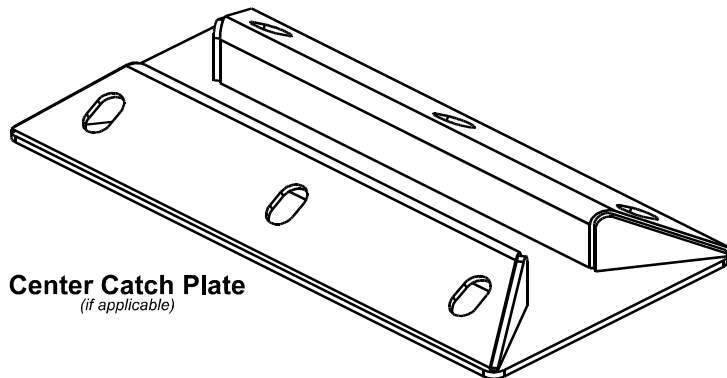


x2

Drive Pin

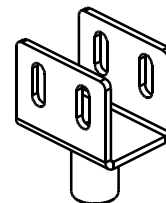


Header
*Top Covers Removed



x1

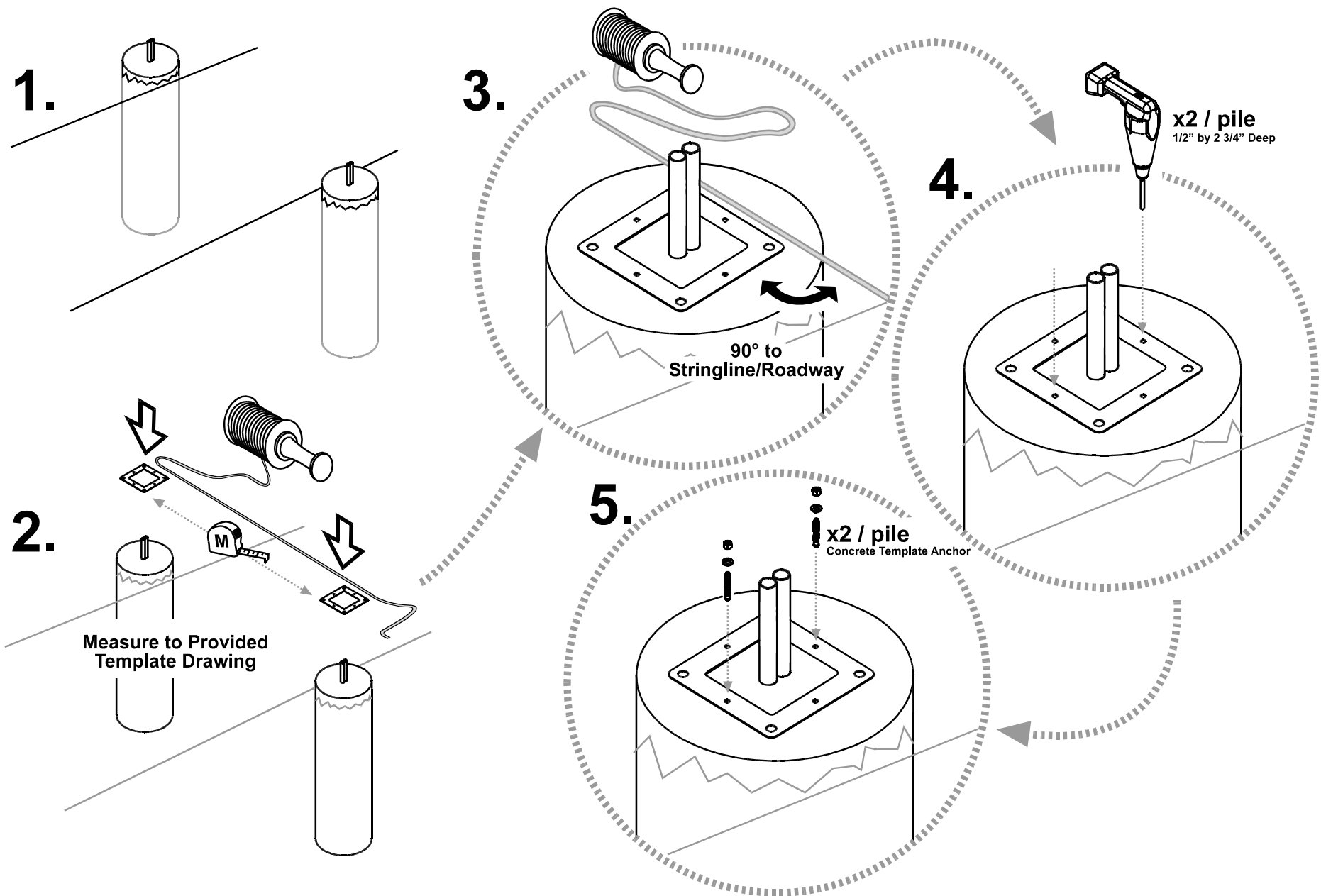
Center Catch Plate
(if applicable)

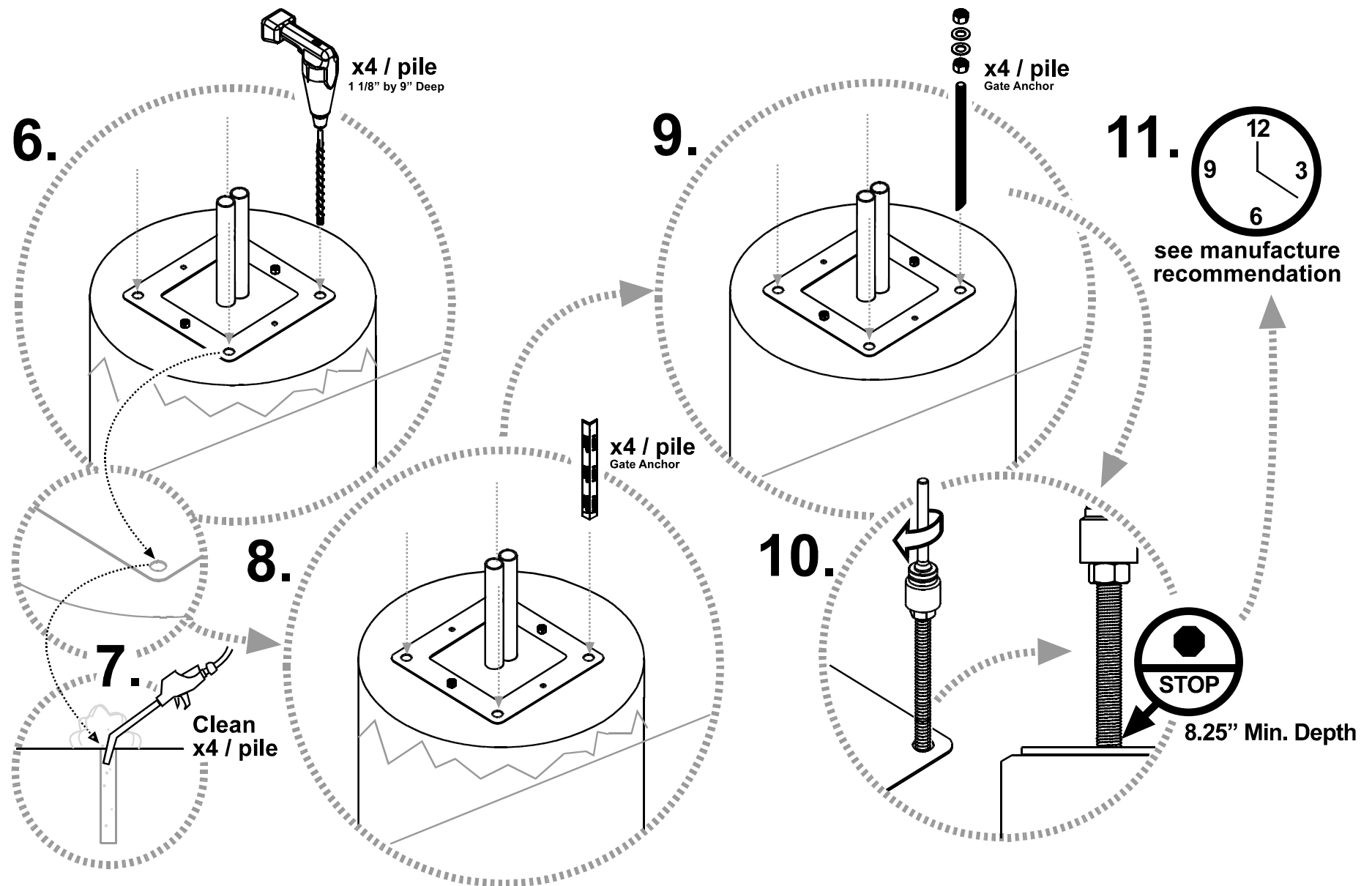


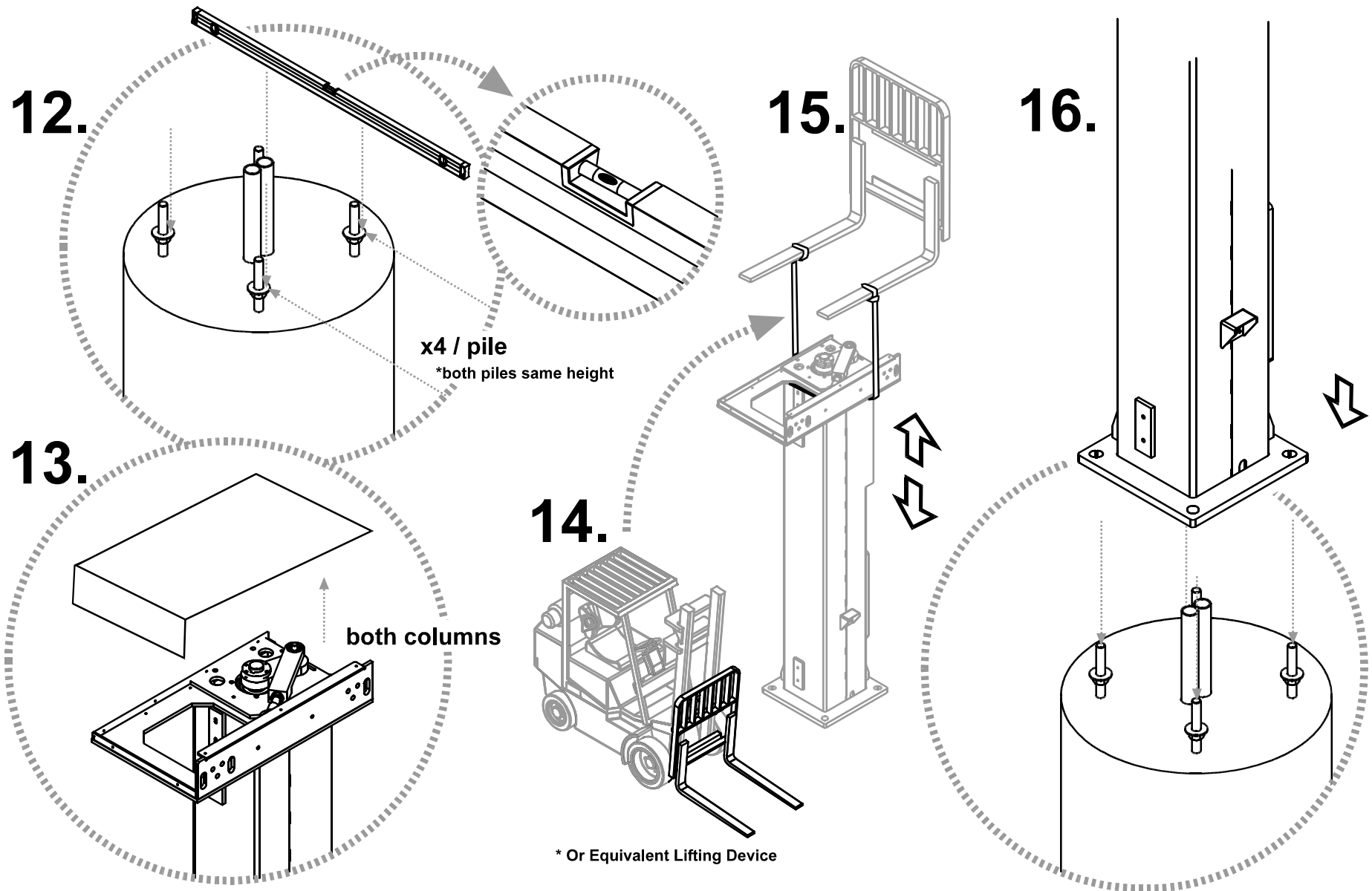
x2

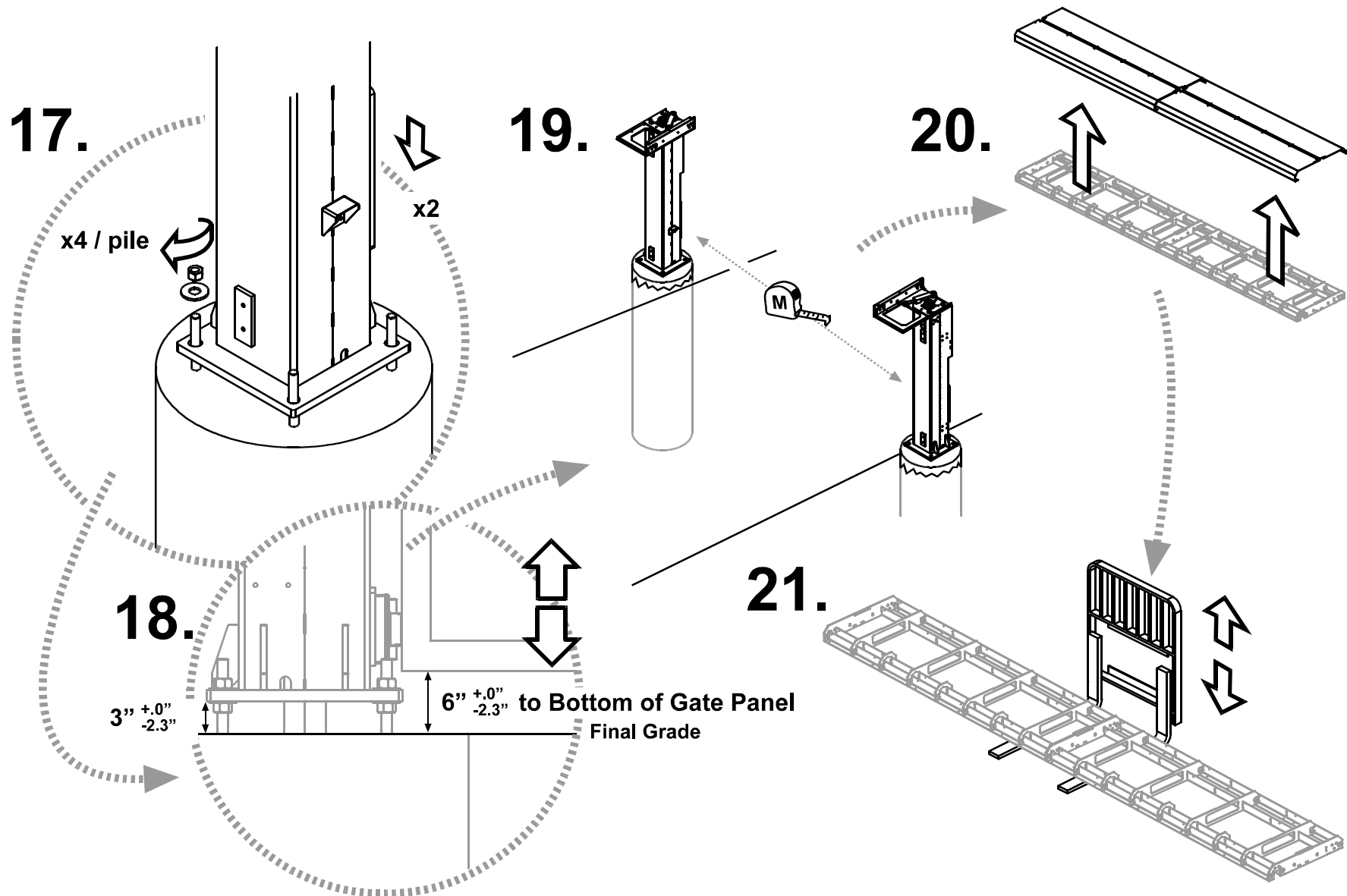
Center Catch Pin
(if applicable)

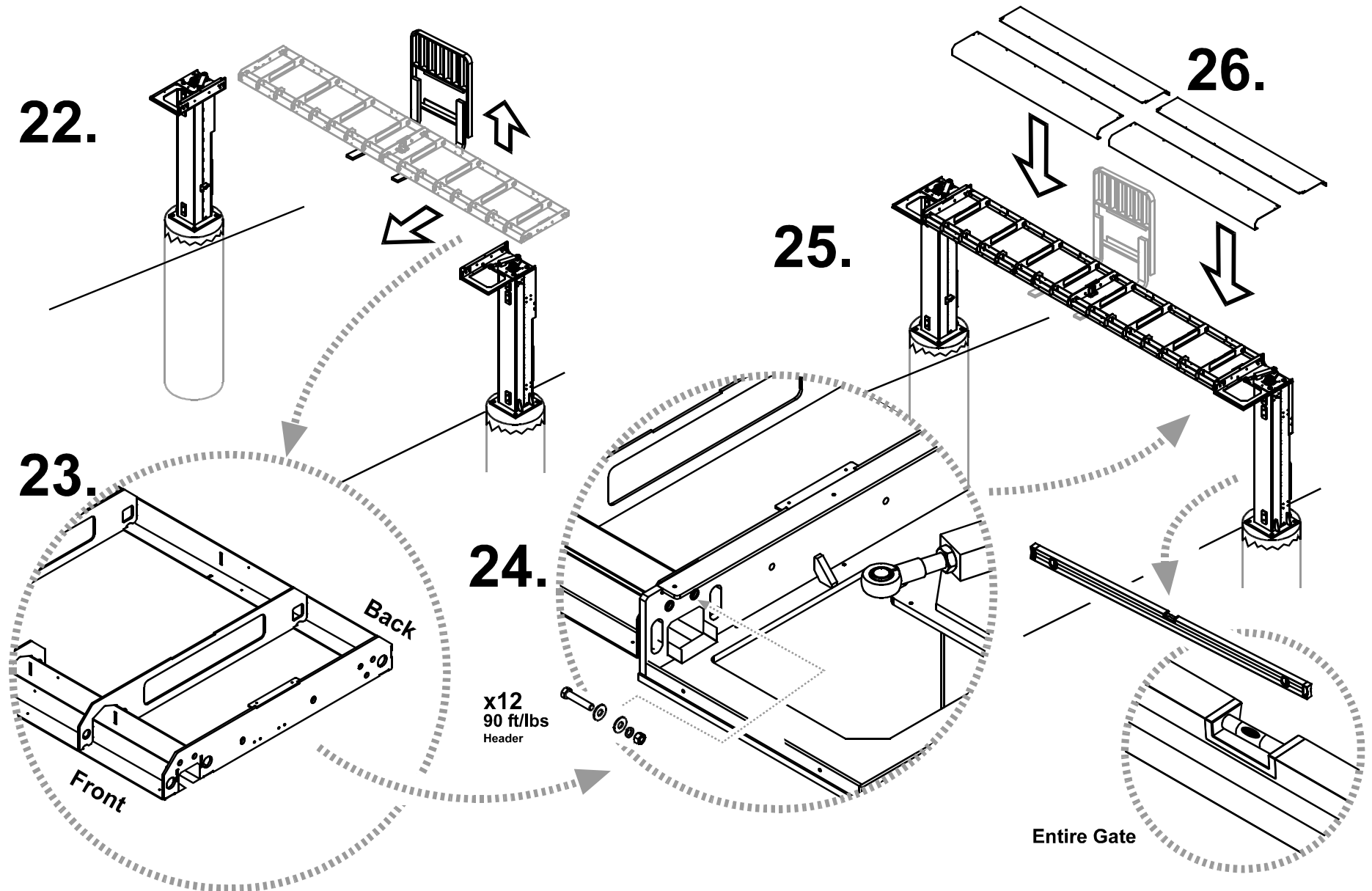
x1

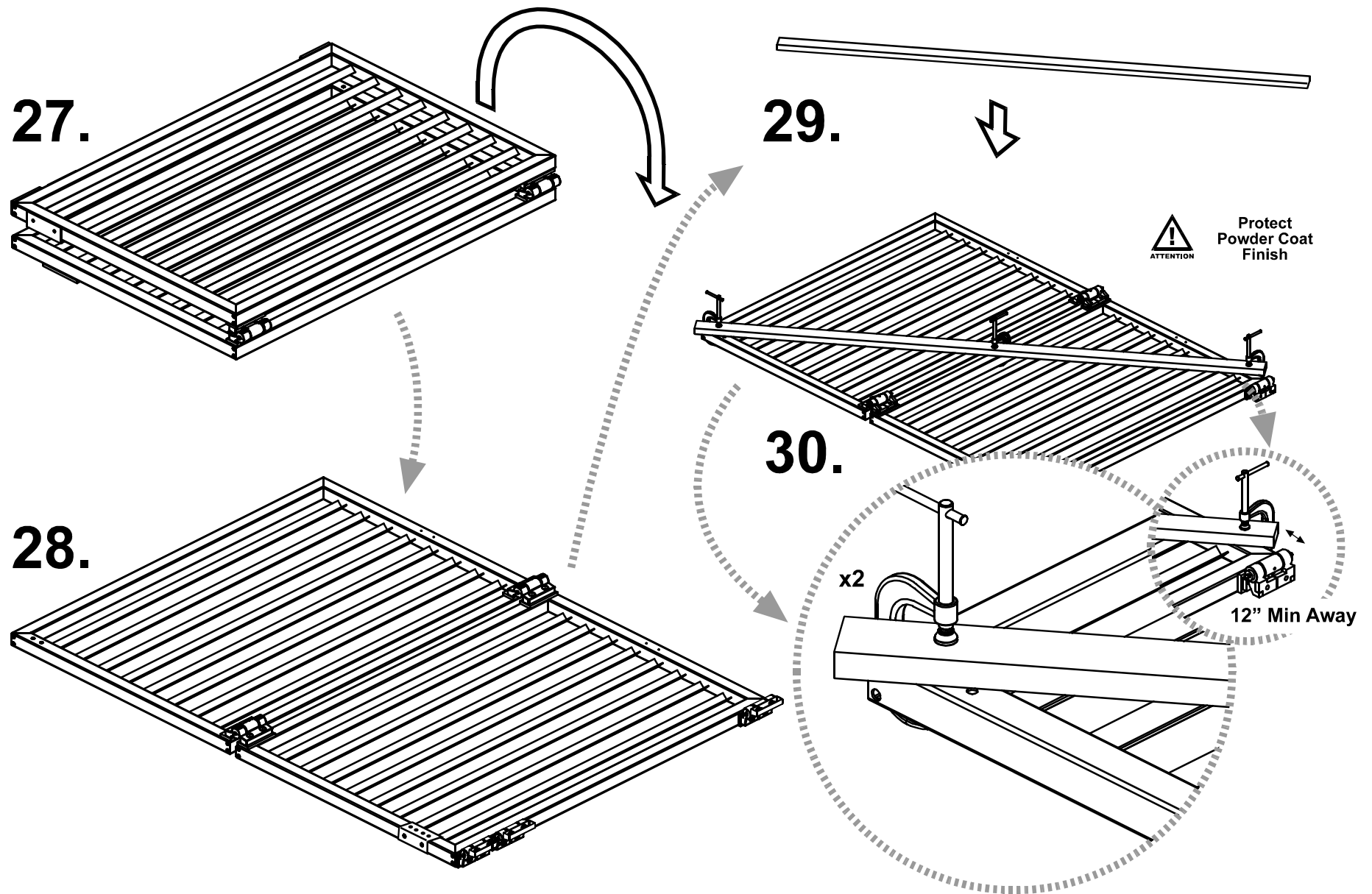


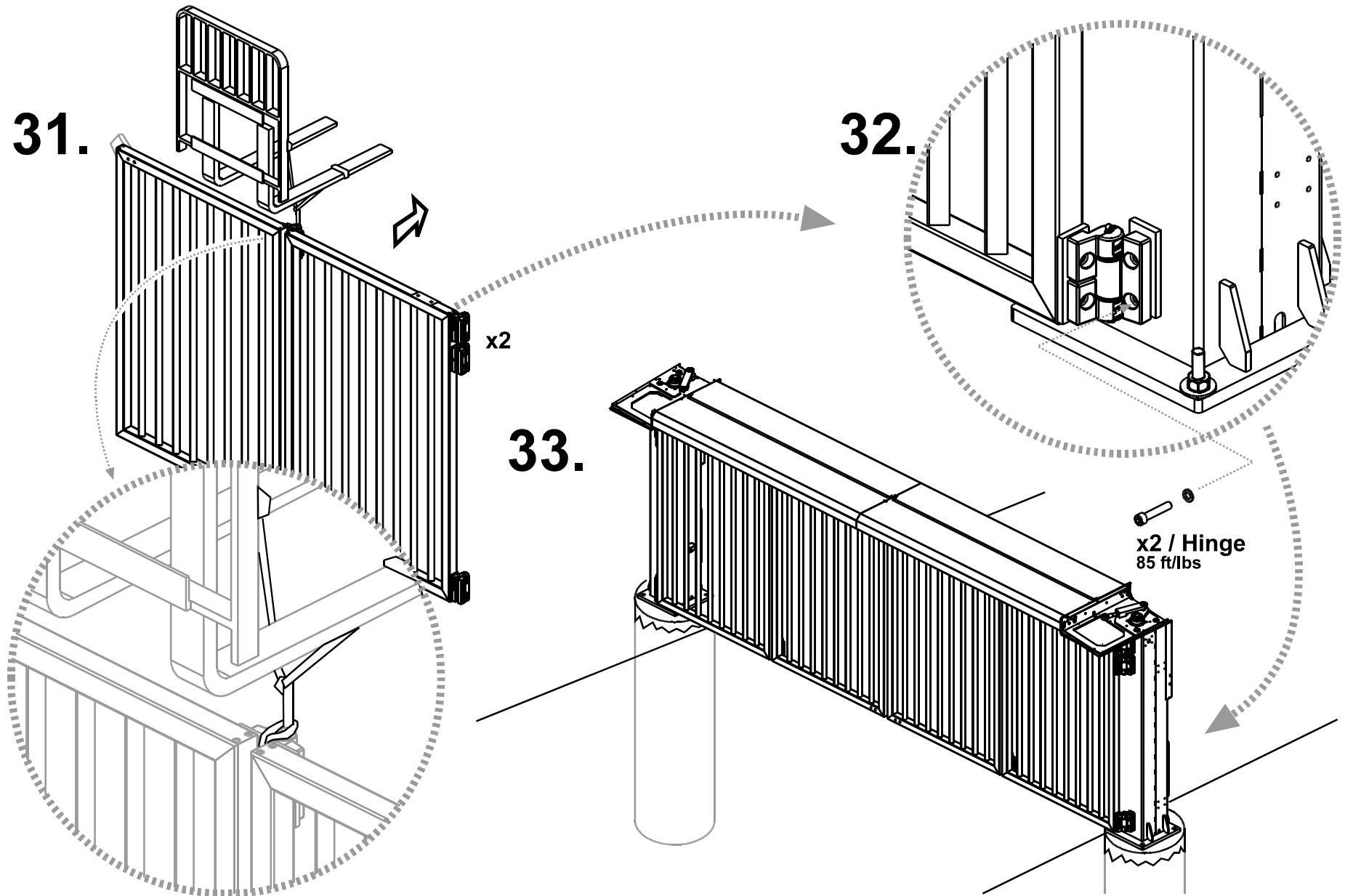


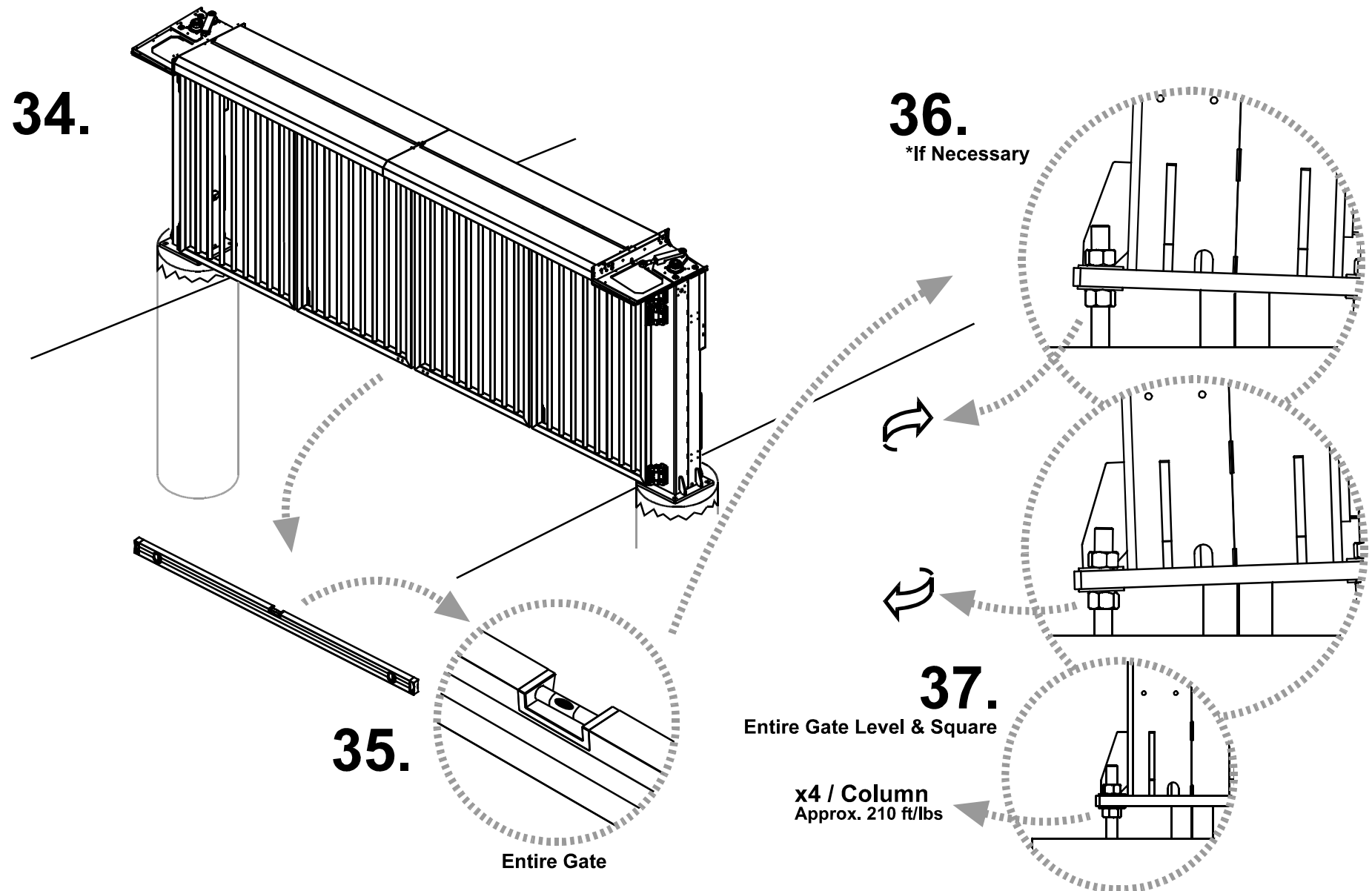


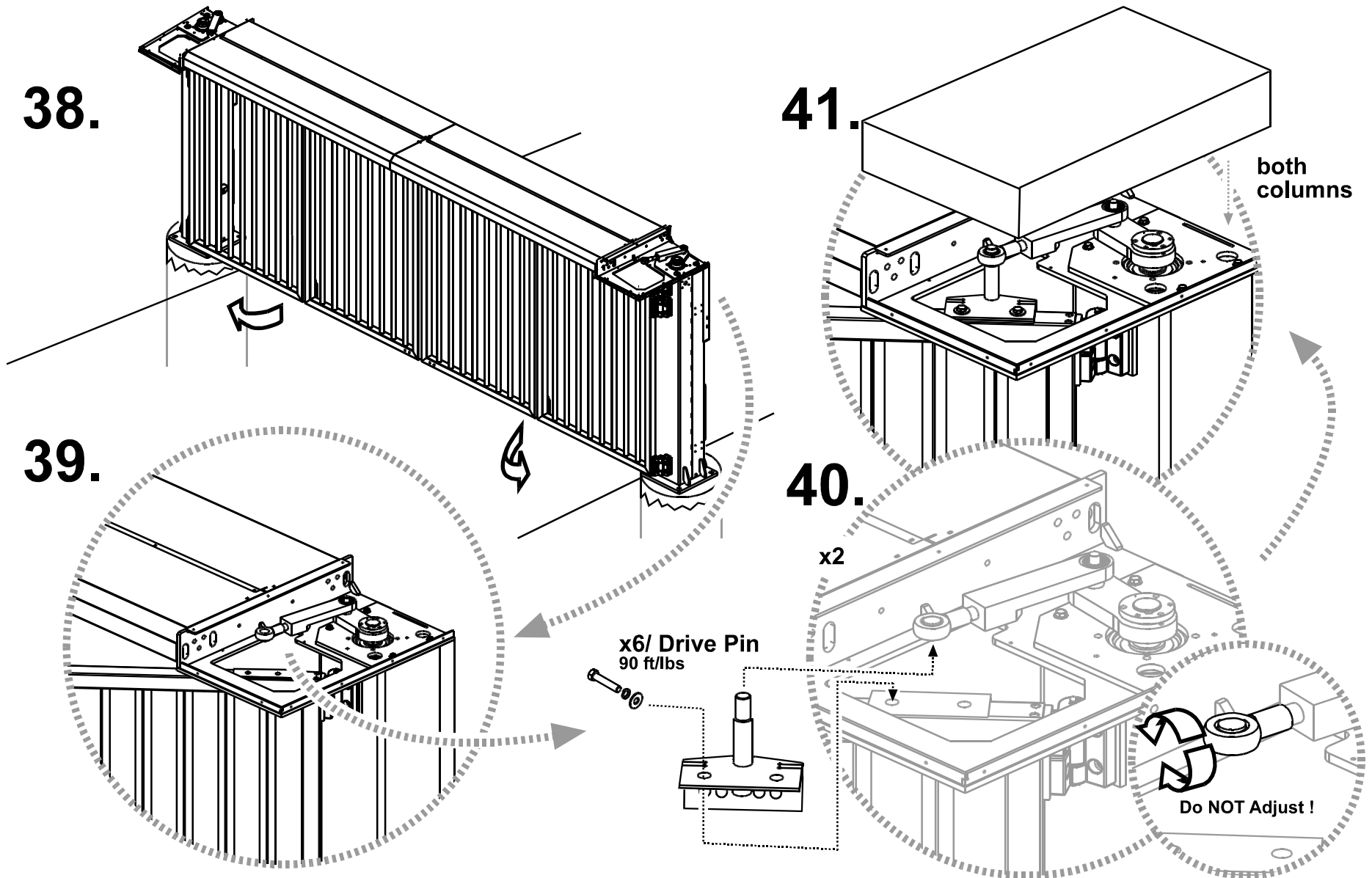












**For instruction on manually moving the gate panels after the drive pins have been installed please refer to the 'Manual Disconnect' sheet in the operator sleeve.*

42.*

44.

x2

43.

x4 / Captured Roller
90 ft/lbs

45.



The SpeedGate can now be wired.
**If the final grade is finished install the center catch.*

**If the final grade is finished install the center catch.*

46.*

50.

51.

x6
1/2" by 2 3/4" Deep

Centered

Final Grade

52.

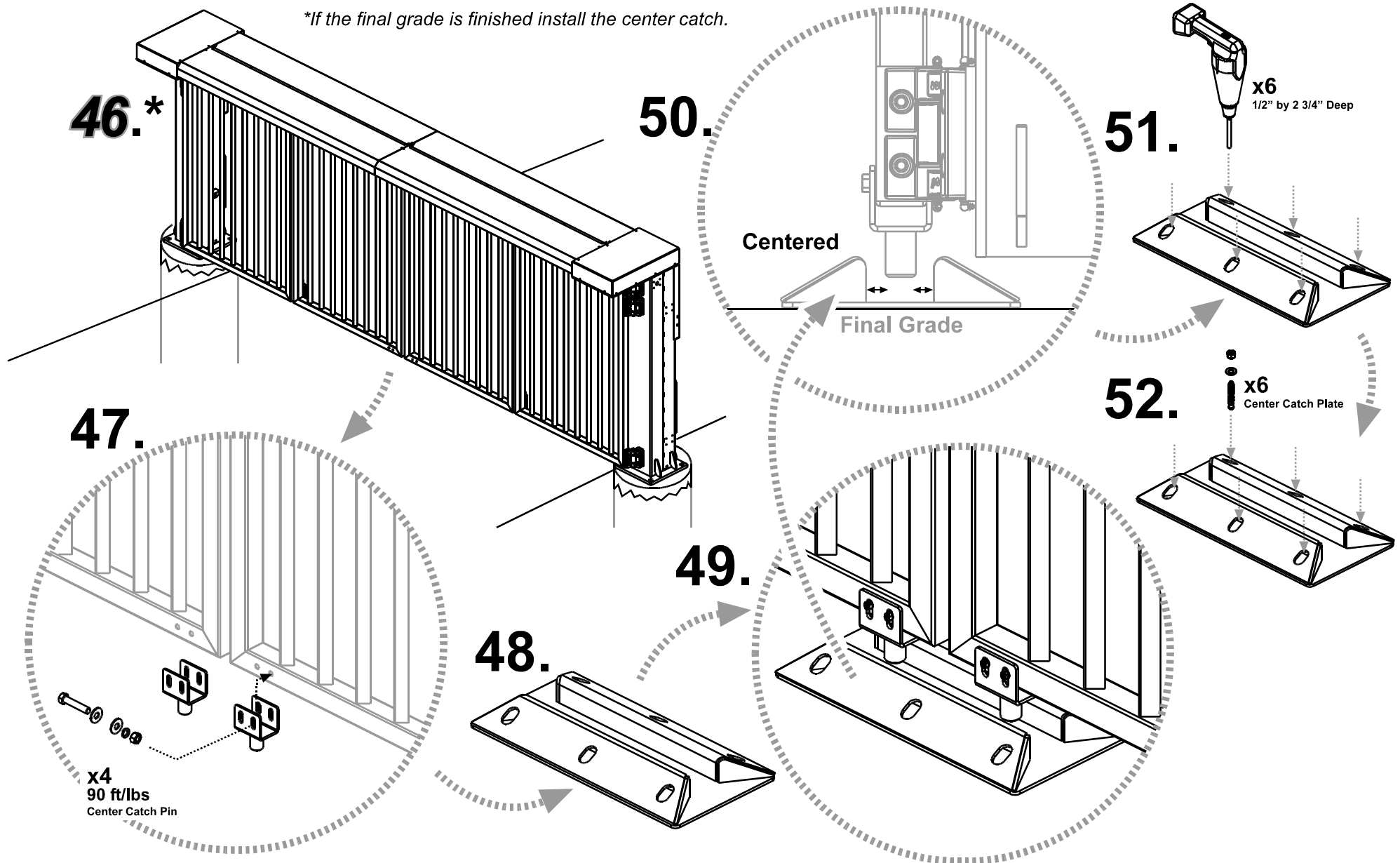
x6
Center Catch Plate

47.

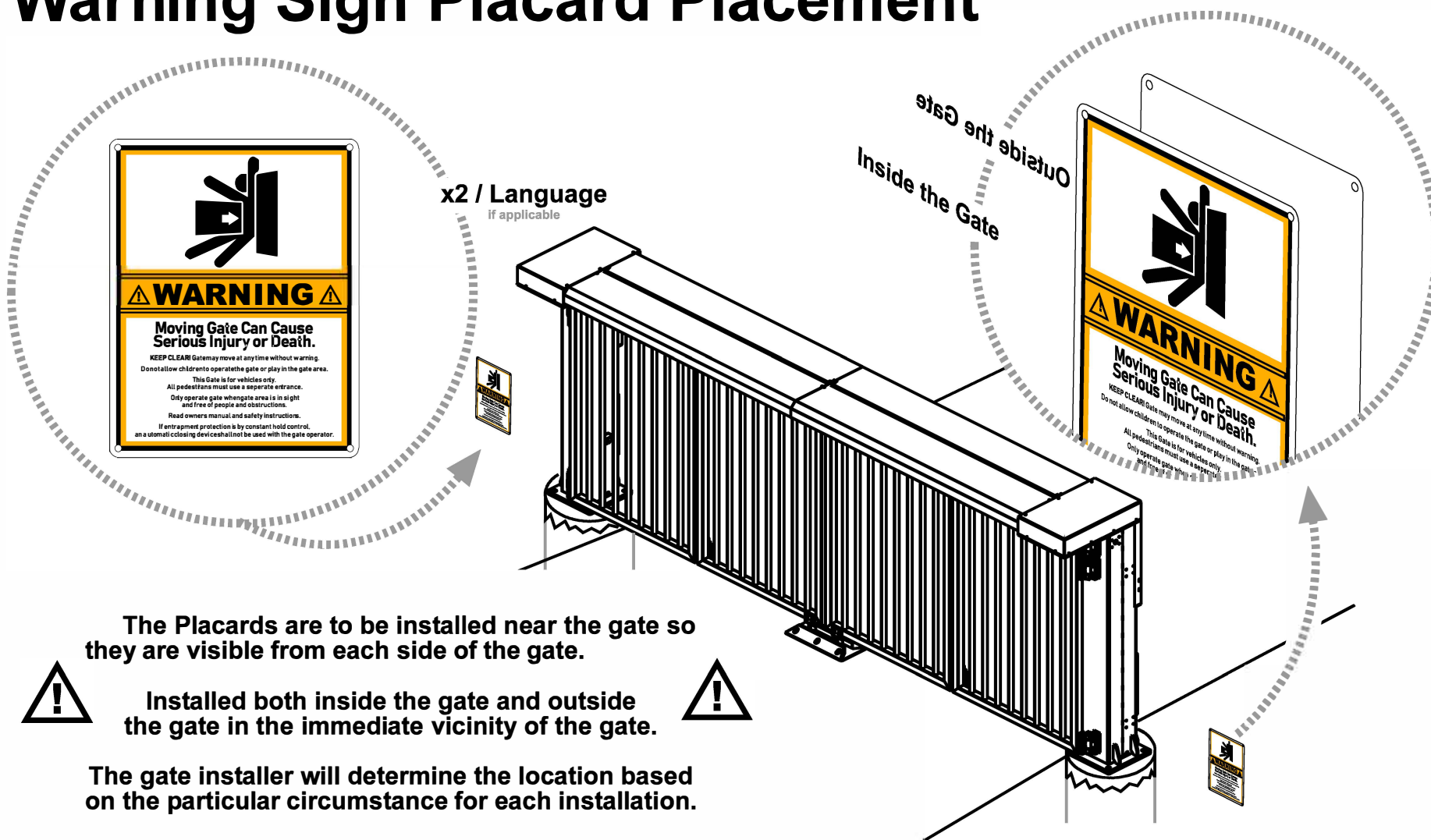
49.

48.

x4
90 ft/lbs
Center Catch Pin



Warning Sign Placard Placement



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