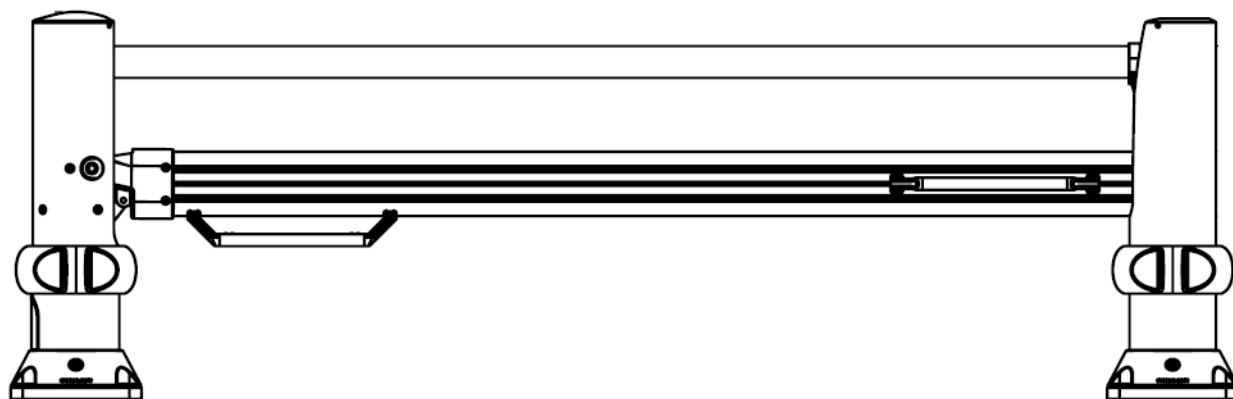
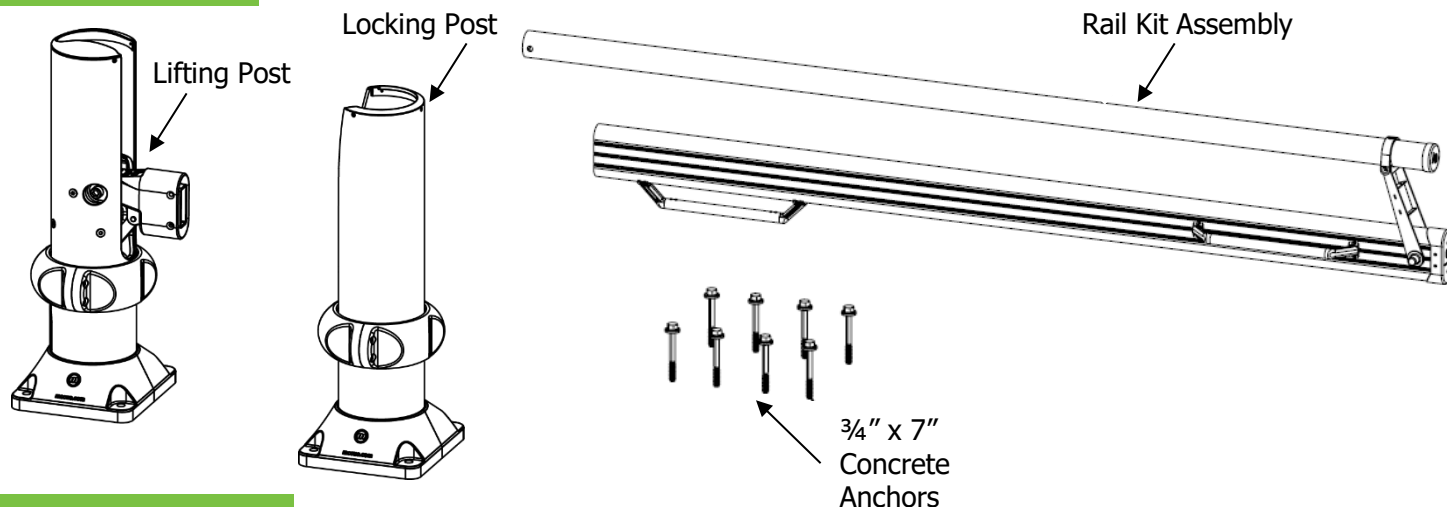


# SafeStop Forklift Gate

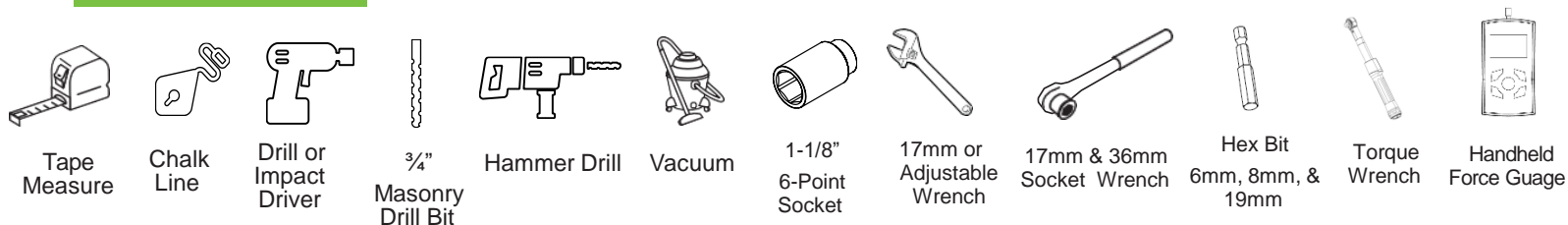
## INSTALLATION INSTRUCTIONS



### Components



### Required Tools



**McCue Corporation**  
Danvers, Massachusetts, USA  
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[mccue.com](http://mccue.com)



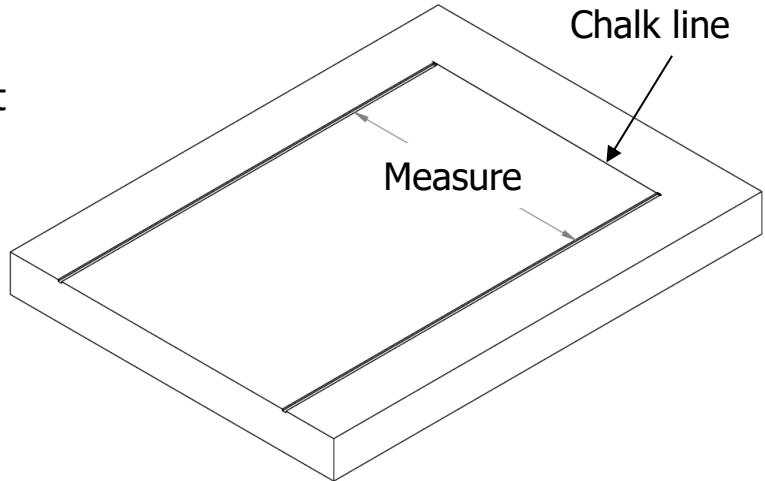
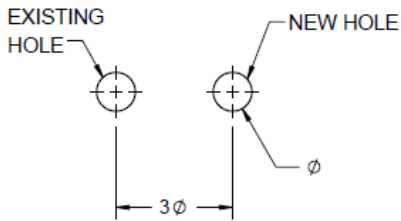
## Notes

The Forklift Gate Installation requires a minimum of 2 installers.  
Lifting post is 275 lb (125 kg). Locking post is 185 lb (84 kg).  
Rail kit is approx 90 lb (41 kg).  
Handles are omitted from images until final steps for clarity.

### Step 1

Measure & Snap chalk line along front edge of gate.  
Ensure positioning leaves a minimum of 3 diameters from existing holes.

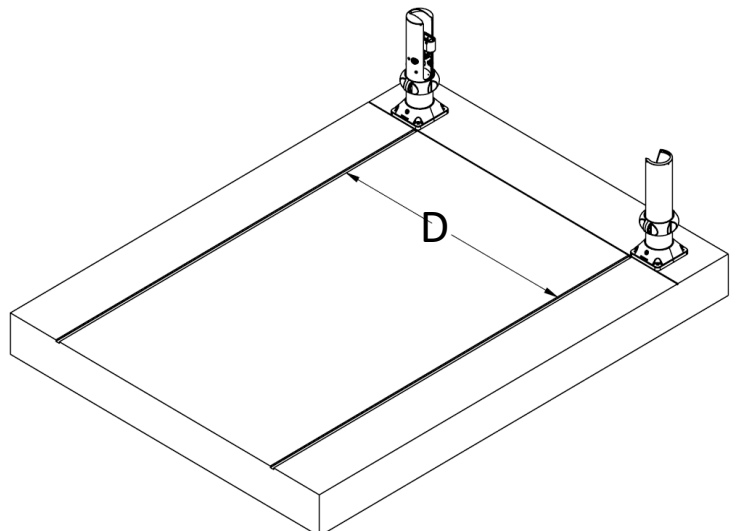
ANCHOR MINIMUM SPACING FOR  
ABANDONED HOLES



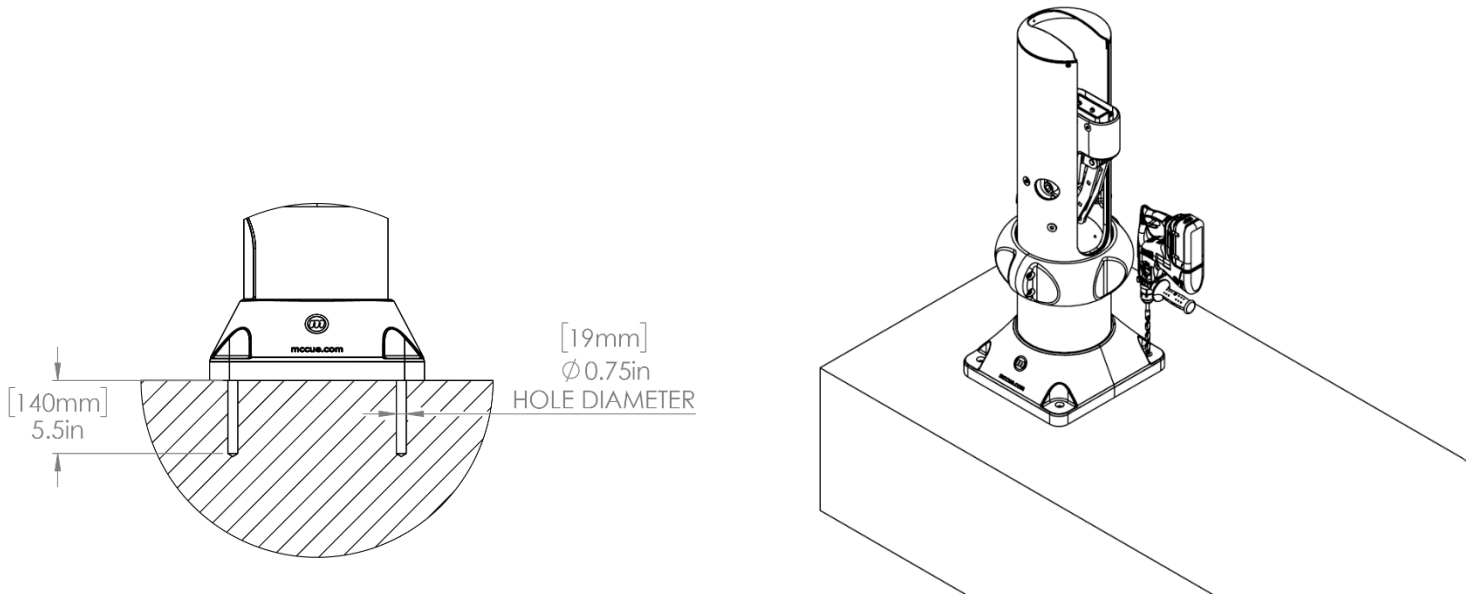
### Step 2

Move posts into place. Distance D should follow the following:

Product Name	Distance D [in.]
SafeStop Forklift Gate 96"	96
SafeStop Forklift Gate 120"	120
SafeStop Forklift Gate 144"	144



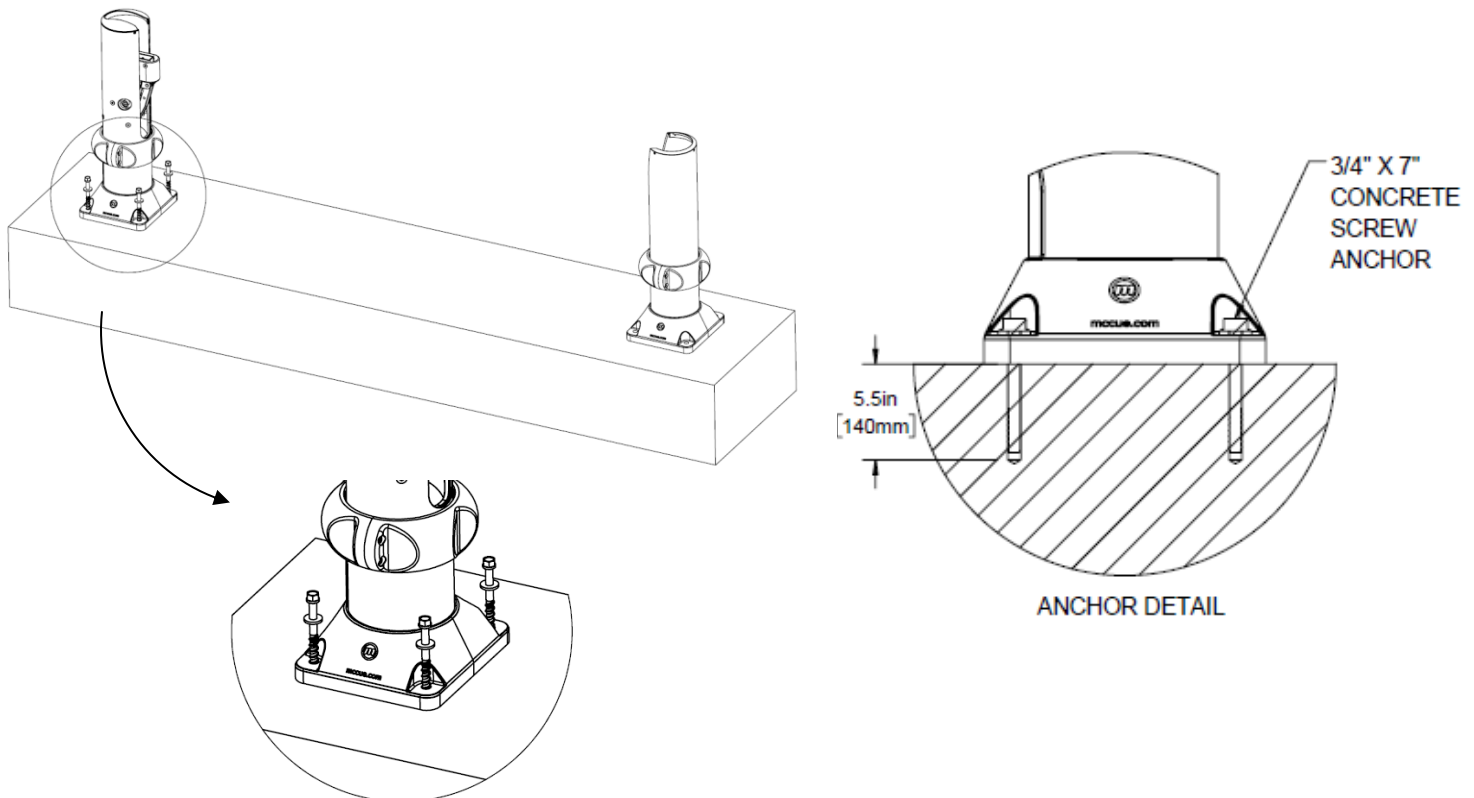
### Step 3



Drill Lift Post holes into concrete with  $\frac{3}{4}$ " bit + hammer drill & vacuum debris. (4x)  
Drill  $\frac{3}{4}$ " holes a minimum of 5.5" depth or through concrete pad.

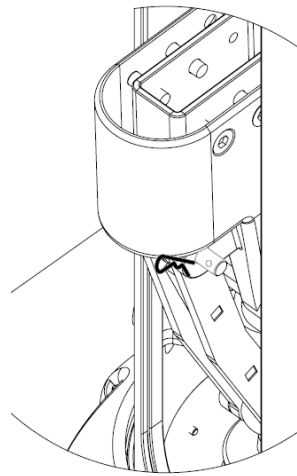
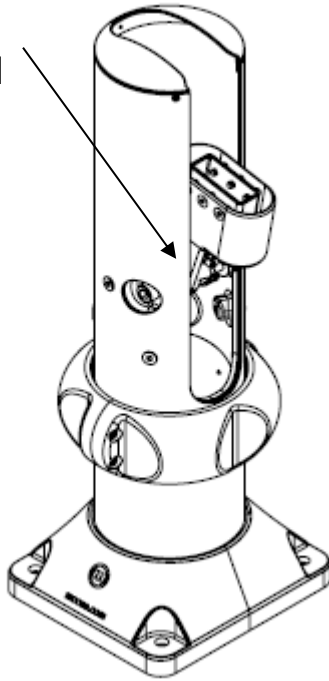
### Step 4

Fasten Lift Post to the ground with  $\frac{3}{4}$ " Concrete Anchors (4x) and  $\frac{3}{4}$ " Washers (4x) with an impact driver and  $1\frac{1}{8}$ " Hex Socket.

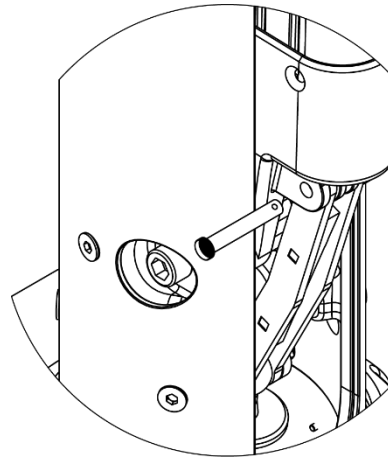


## Step 5

### PIN LOCATION



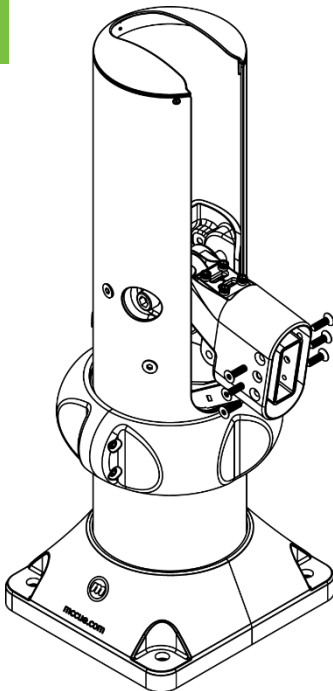
A) Remove hairpin cotter pin. Set aside for later.



### LIFTING CUP

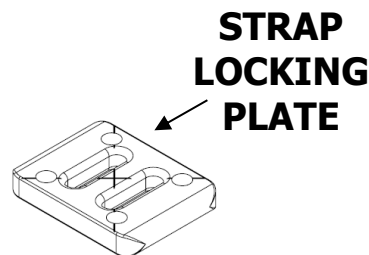
B) Remove clevis pin. Set pin aside for later and lower Lifting Cup.

## Step 6

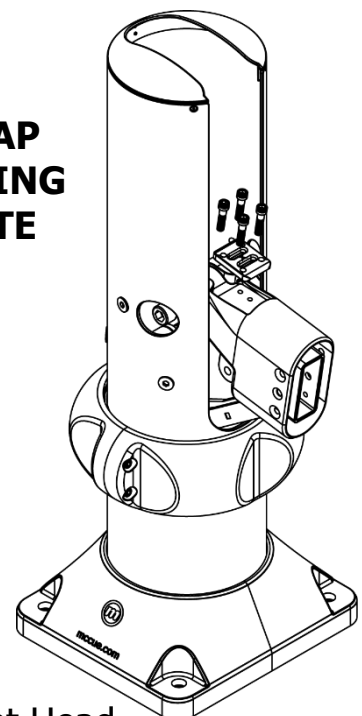


Remove Flat Head  
Screws from Lifting Cup  
with an 8mm hex bit.  
Set aside.  
(6x)

## Step 7



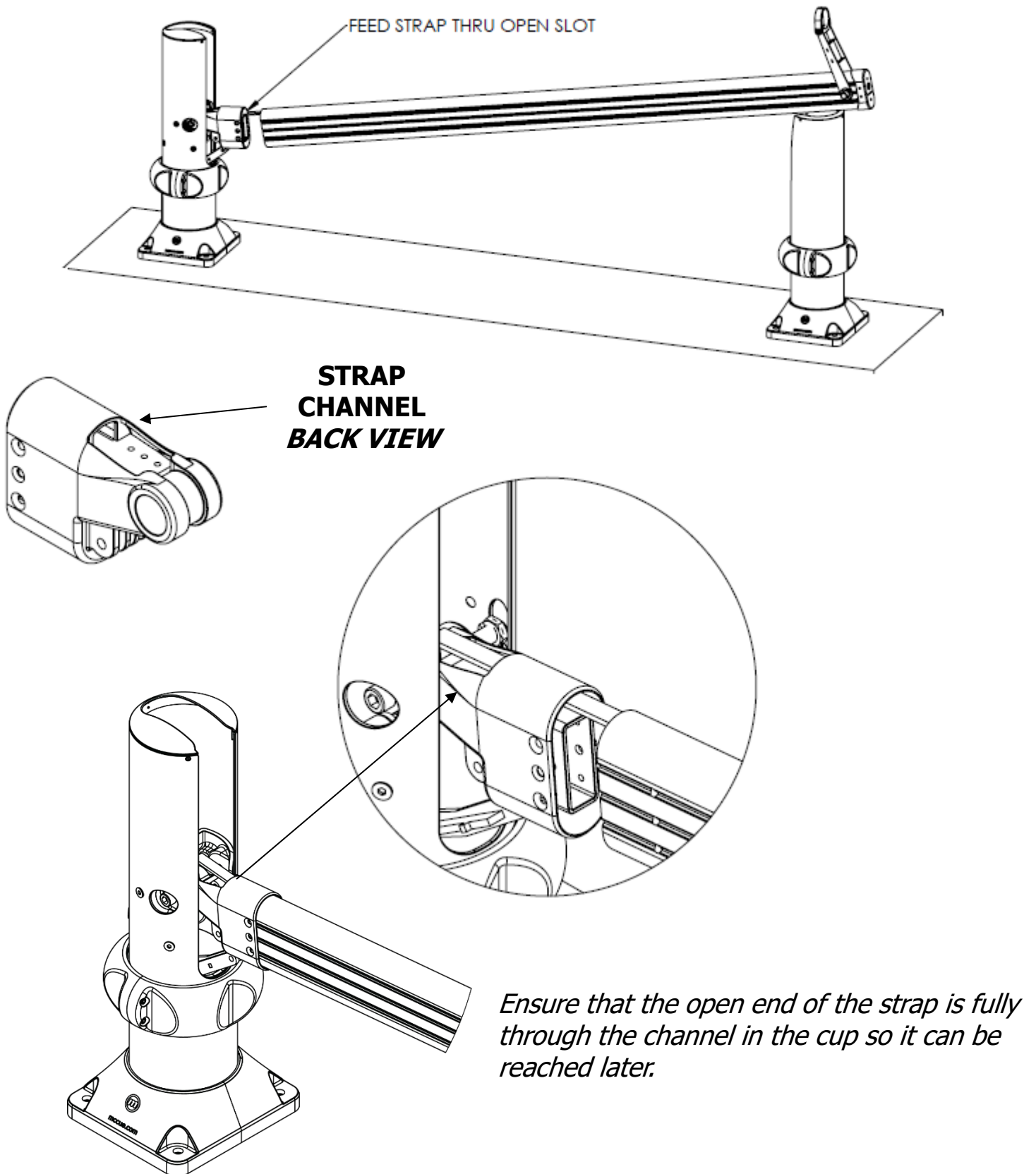
### STRAP LOCKING PLATE



Remove Socket Head  
Screws and Pull Cap from  
Lifting Cup with an 8mm  
hex bit. Set aside.  
(4x)

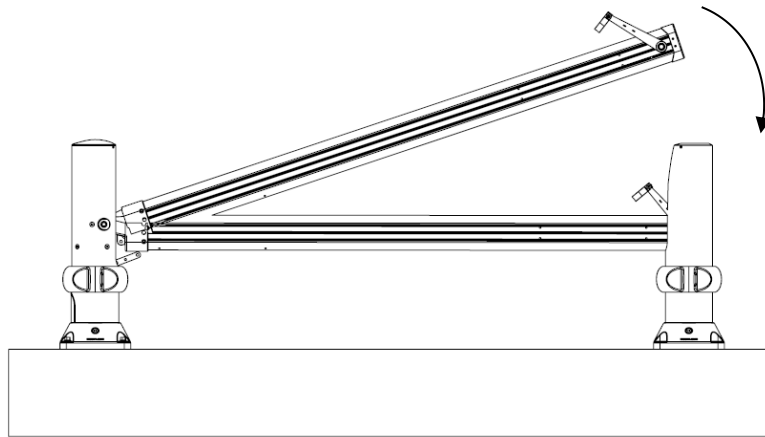
## Step 8

Insert open end of lower rail into Lifting Cup while feeding the strap through the strap channel in the Lifting cup.



## Step 9

When rail is fully inserted into Lifting Cup, but not yet fastened, carefully place the rail into the locking post so that it's horizontal.

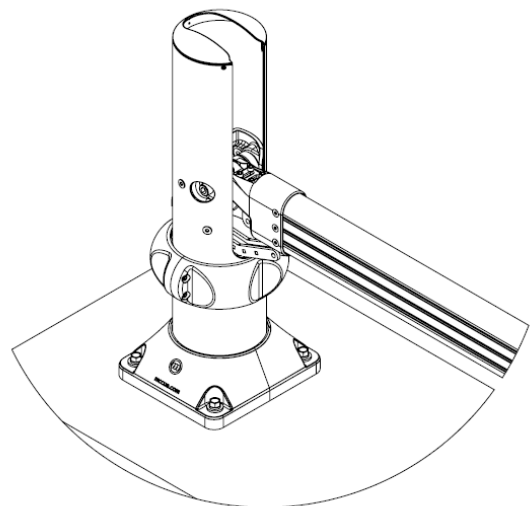
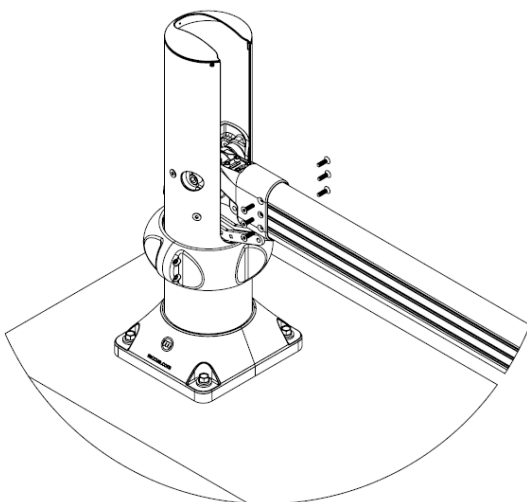


**NOTE**

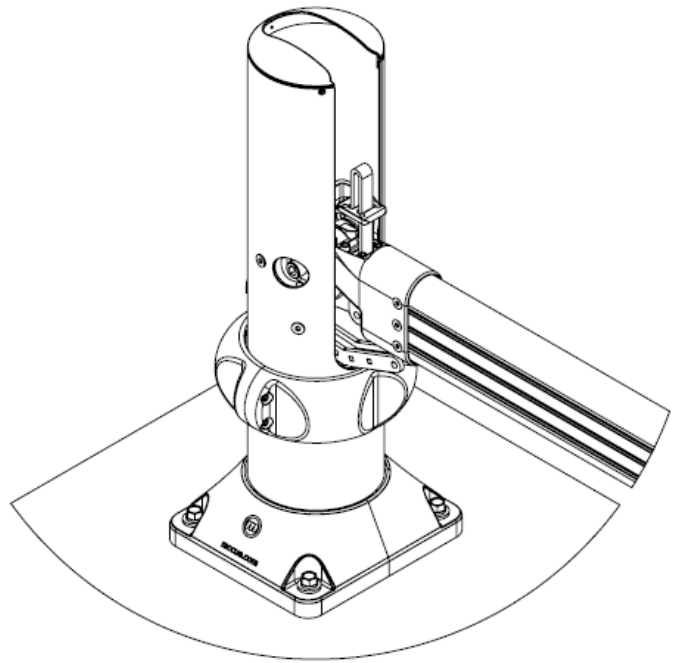
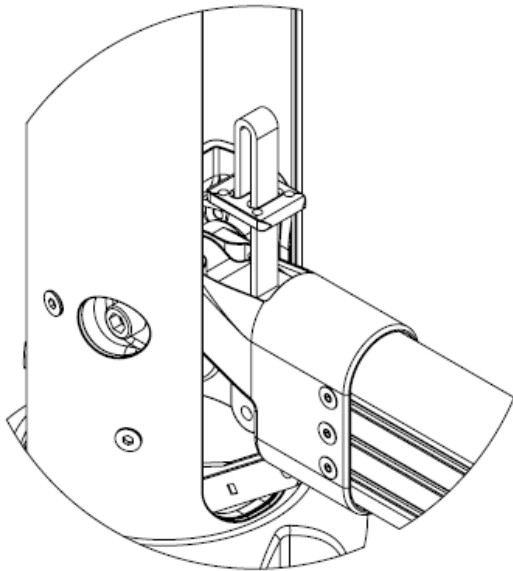
**Caution – 2 persons required to lower.  
Gate arm weight 100 lb.**

## Step 10

Fasten rail to the Lifting Cup with flat head screws using an 8mm hex bit (6x).



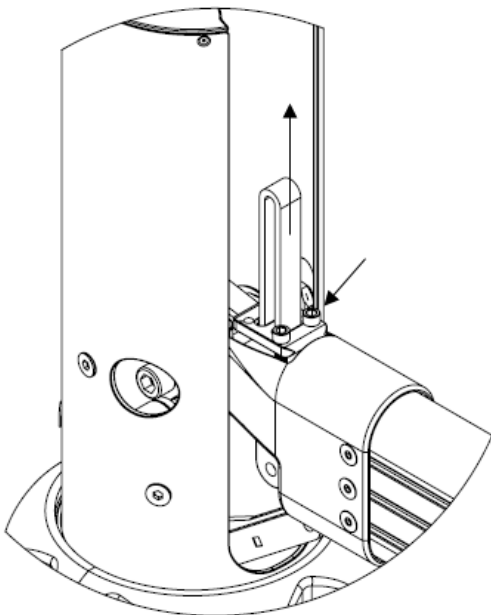
## Step 11 - A



Thread strap up through first slot in Strap Locking Plate. Loosely insert strap end through second slot, leaving a loop in the center to pull. **Ensure textured side is facing down.**

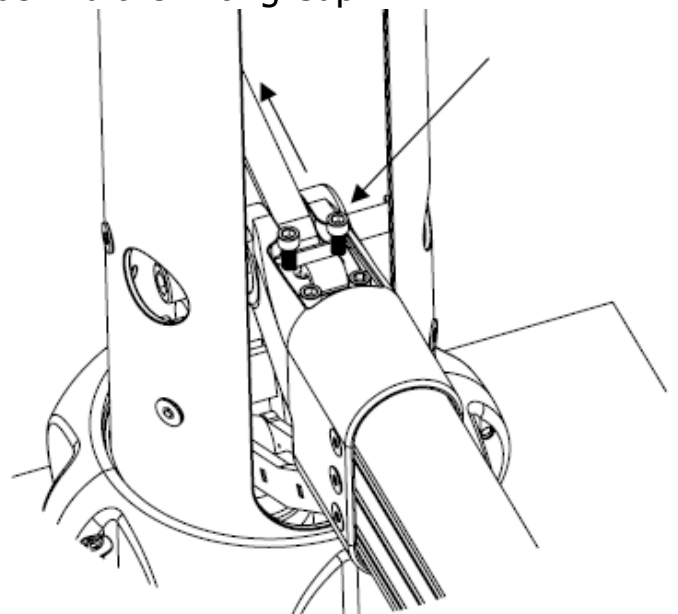
## Step 11 - B

Pull upwards on strap loop as tight as possible and tighten two front screws of the Strap Locking plate enough to hold strap taught, but do not over-tighten, using an 8mm hex bit.

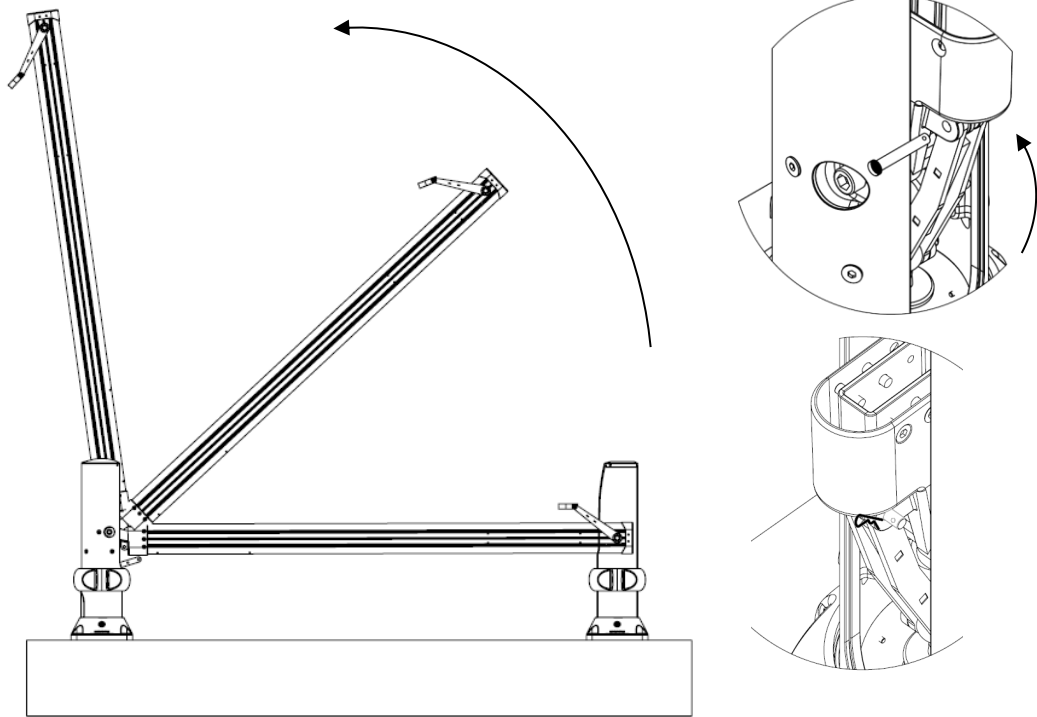


## Step 11 - C

Pull end of strap tight end and tighten down the Strap Locking Plate fully. Ensure plate is flat and that textured side is facing down towards the strap. Feed strap into the post behind the Lifting Cup



## Step 12 - A

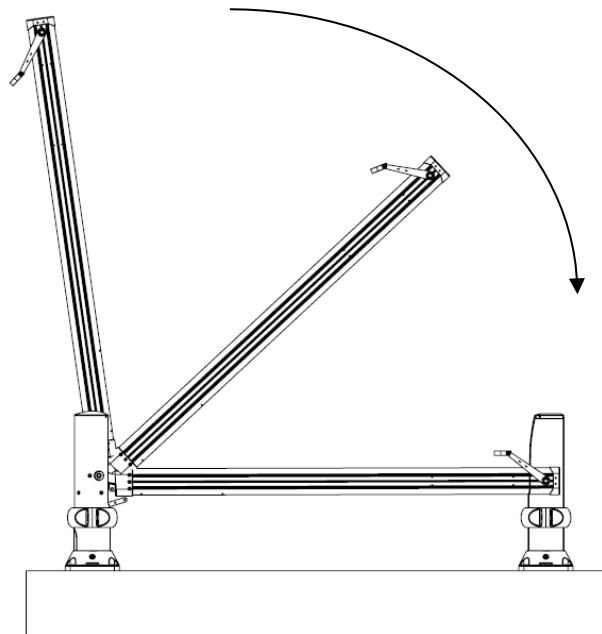


!  
NOTE

**Caution – 2 persons required to raise gate arm.  
Gate arm weight 100 lb prior to spring engagement.**

With two people, raise gate lower arm to vertical. Adjust the rail until clevis pin can be inserted smoothly through the pivoting cup and linkage arm. Reinstall cotter pin. Rails not shown in cup detail for simplicity.

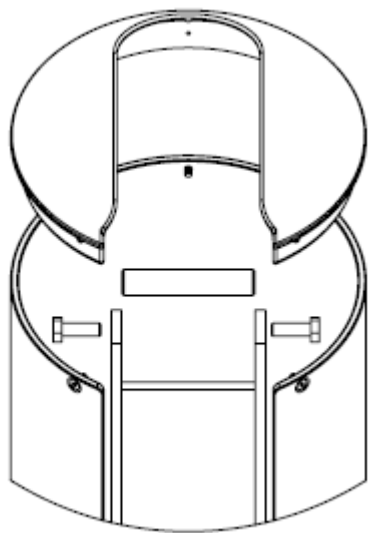
## Step 12 - B



Lower gate arm back into Lock Post. Arm will be assisted by the spring.

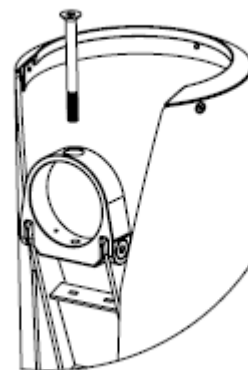


### Step 13



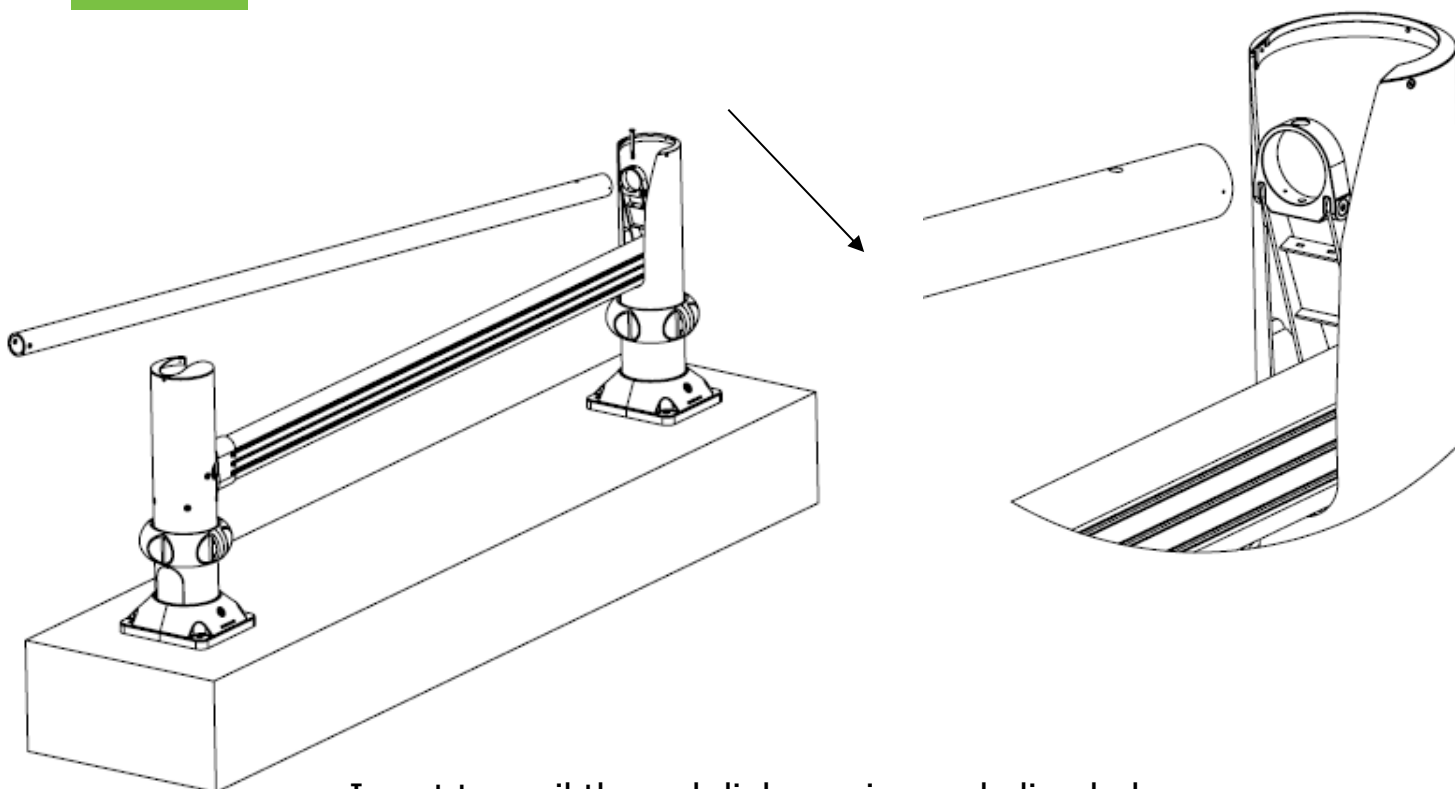
Remove both bolts and pin  
17mm socket wrench.

### Step 14



Remove M12 Flat Head Screw with  
8mm hex bit.

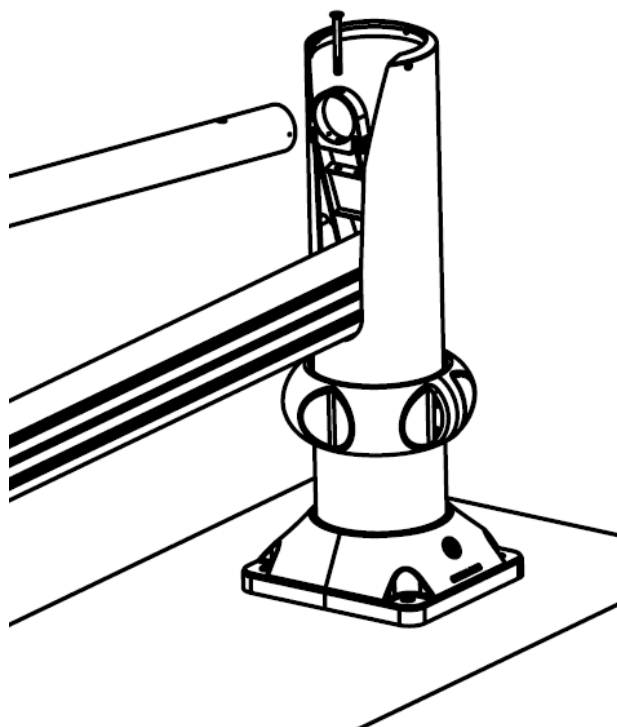
### Step 15



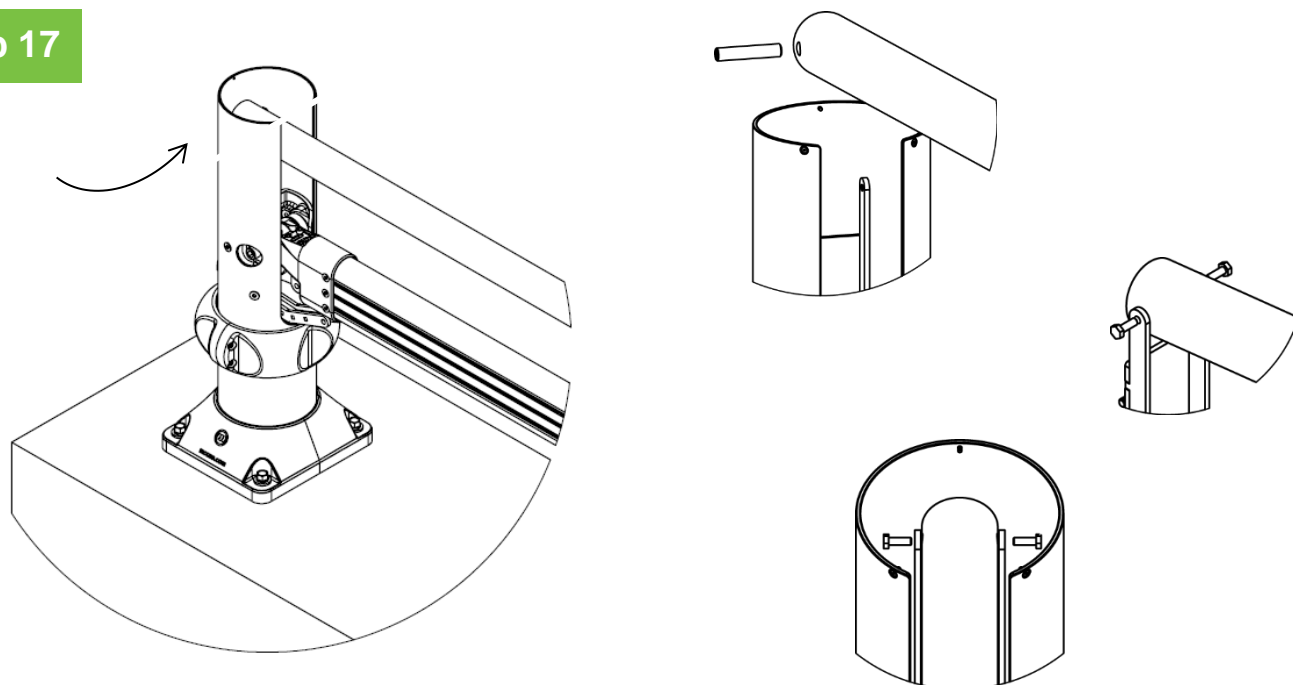
Insert top rail through linkage ring and align holes.

## Step 16

Reinstall M12 Flat head screw through top of rail once inserted, using an 8mm hex bit.



## Step 17



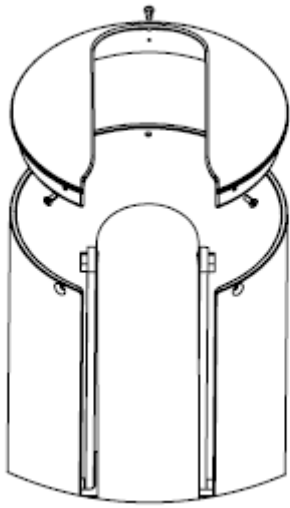
Insert pin into other end of top rail so it sits flush on both sides of the plastic extrusion.

Lower and align pinned end with thru-hole in vertical supports inside of the post.

Begin threading bolts by hand on both sides to position the pin.

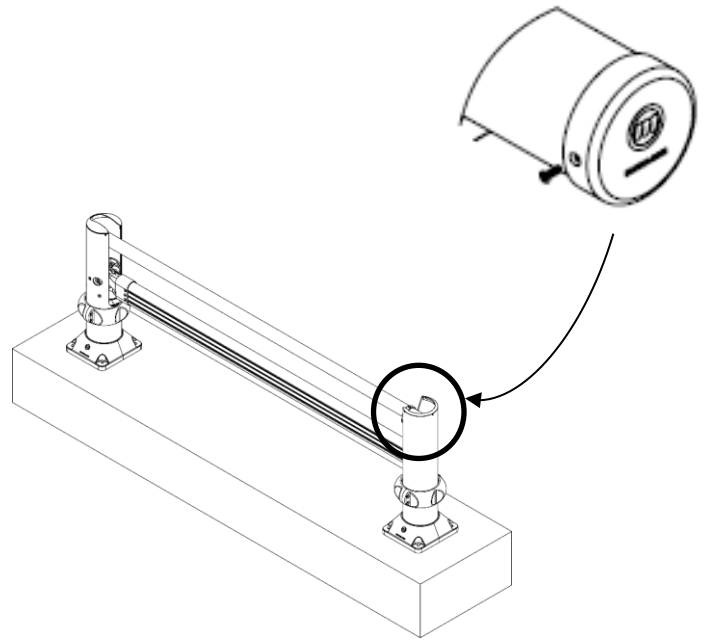
Finish tightening bolts on both sides with a 17mm wrench.

### Step 18



Reinstall the Lift Post Cap with the 3 Phillips Head Screws.

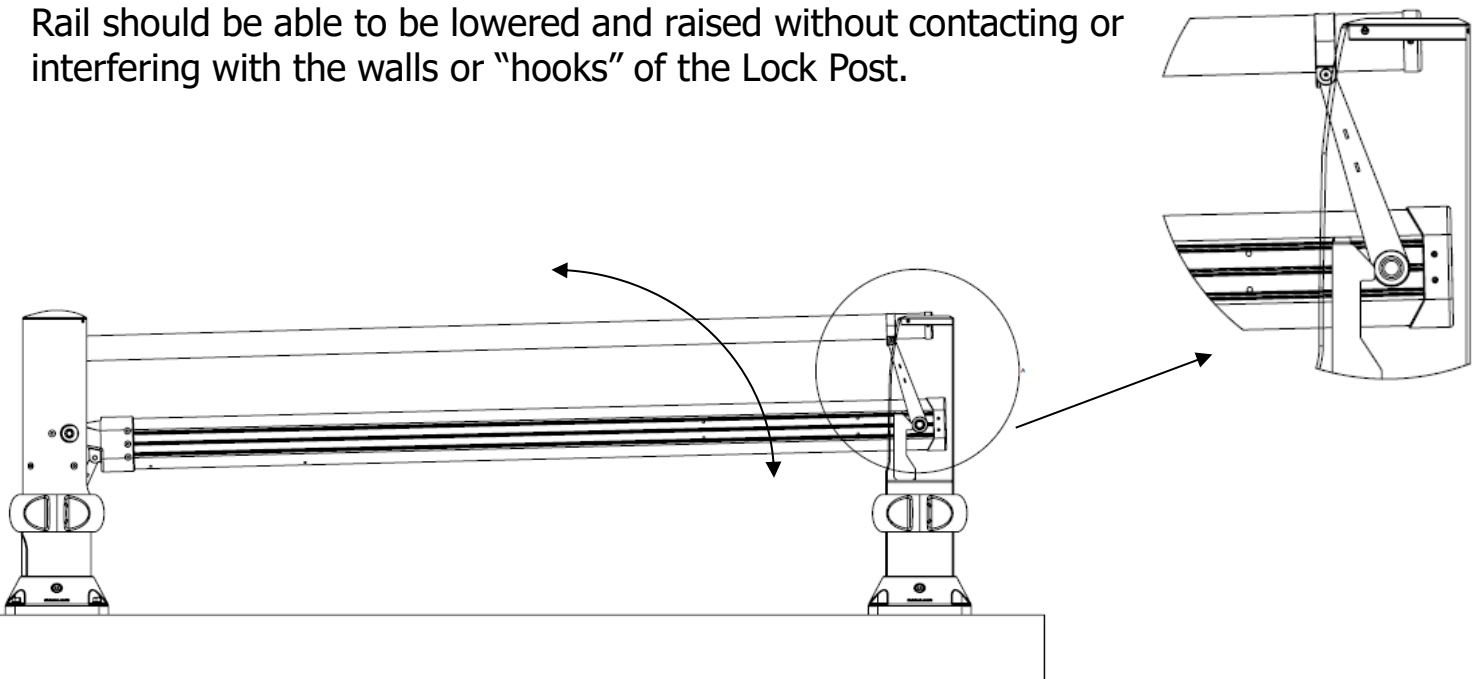
### Step 19



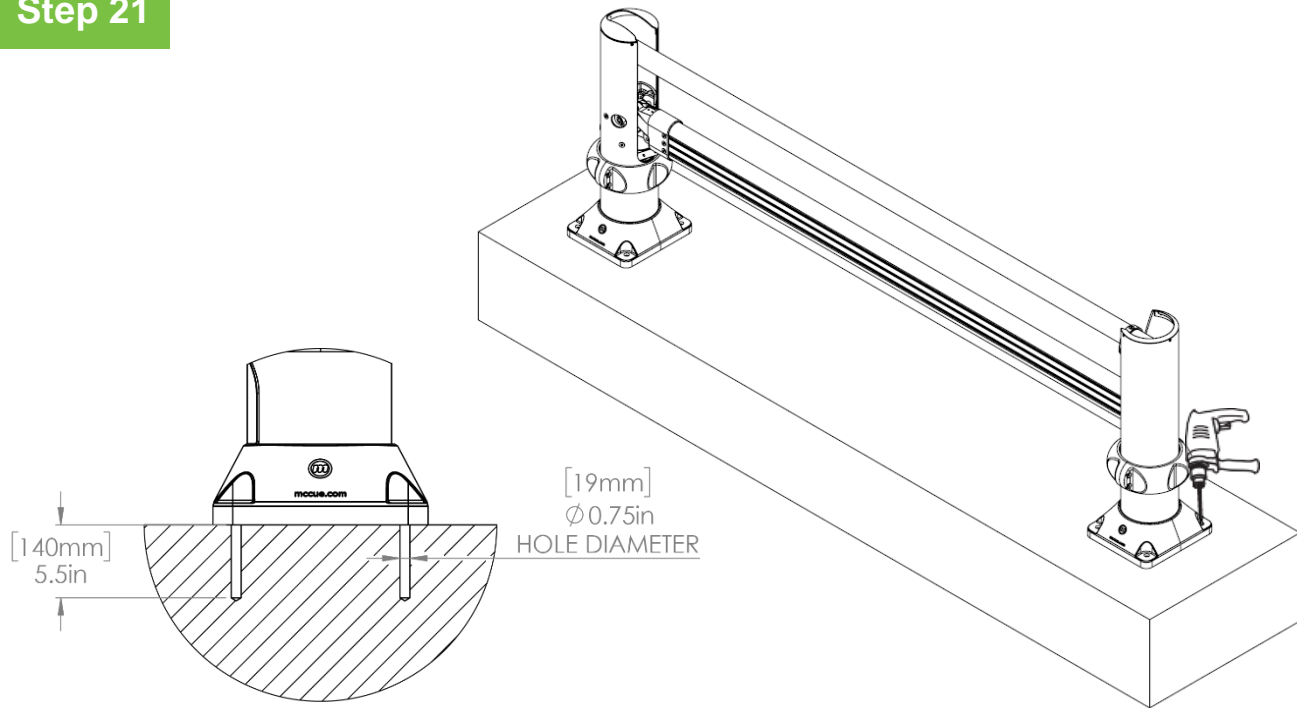
Fasten plastic top rail cap to top rail black M5 self-tapping screws with a 3mm hex bit.

### Step 20

Check Rail & Pin fit within the post and is centered as possible.  
Top rail hidden from image for clarity.  
Rail should be able to be lowered and raised without contacting or interfering with the walls or "hooks" of the Lock Post.



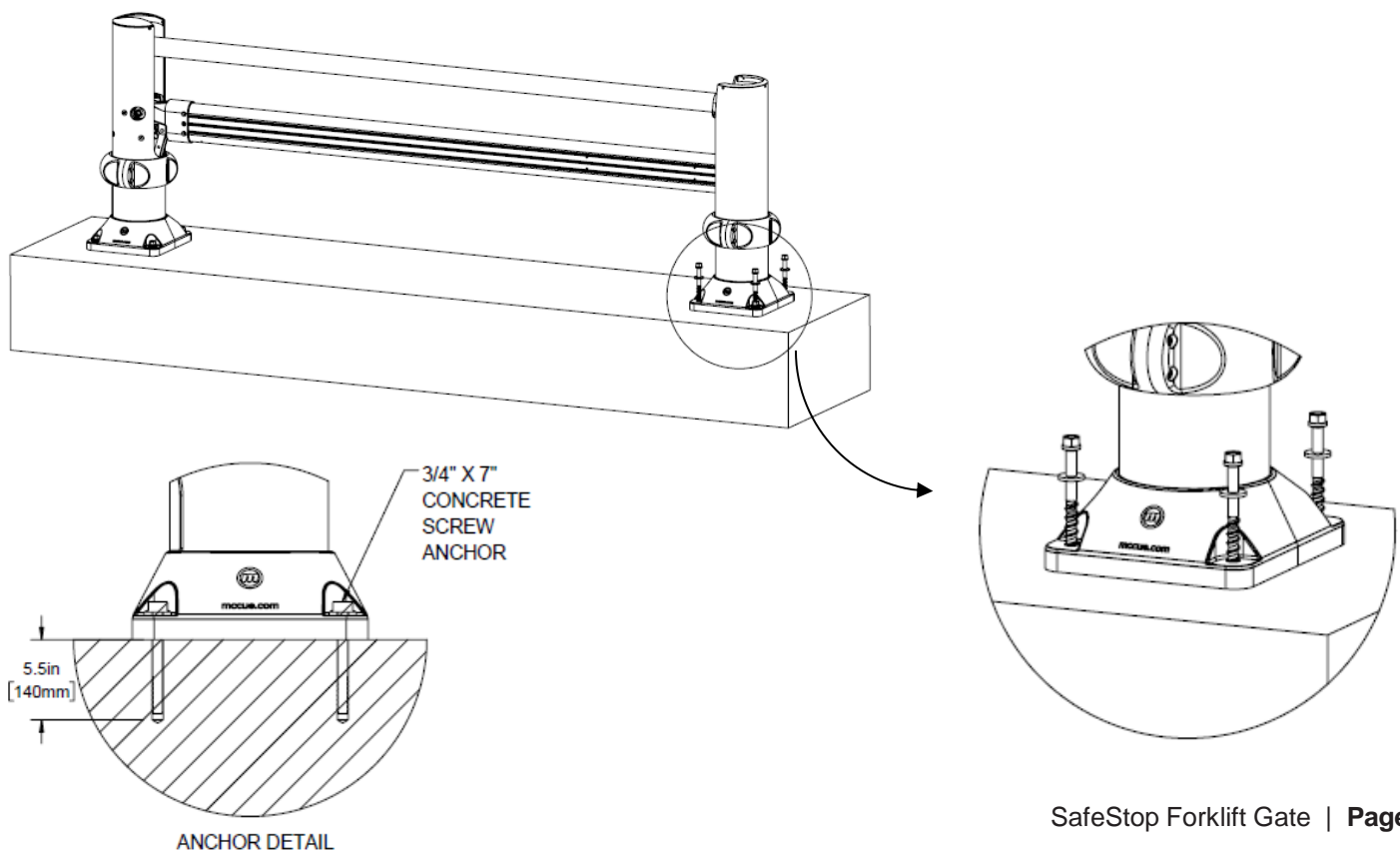
## Step 21



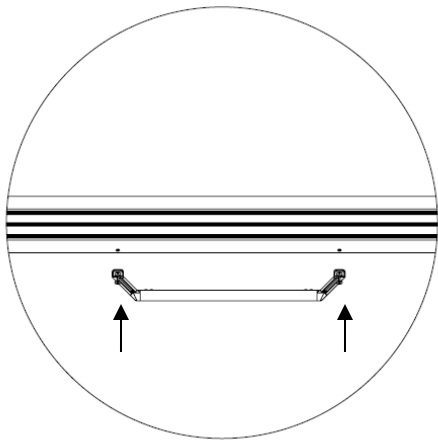
Drill Lock Post holes into concrete with  $\frac{3}{4}$ " bit + hammer drill & vacuum debris. (4x)  
Drill  $\frac{3}{4}$ " holes a minimum of 5.5" depth or through concrete pad.

## Step 22

Fasten Lock Post to the ground with  $\frac{3}{4}$ " Concrete Anchors and  $\frac{3}{4}$ " Washers with an impact driver and  $1\frac{1}{8}$ " Hex Socket. (4x)

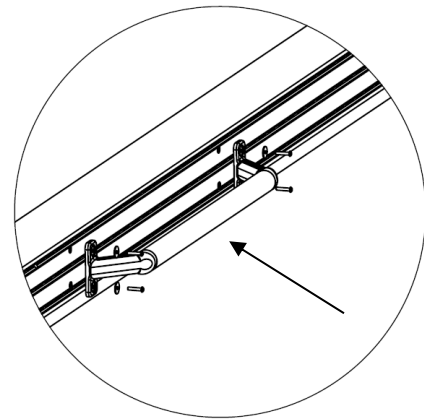


### Step 23



Attach the curved-bracket handle to the threaded inserts on the bottom curved section of the lower rail with M6 pan head screws and washers using a 4mm hex bit.

### Step 24

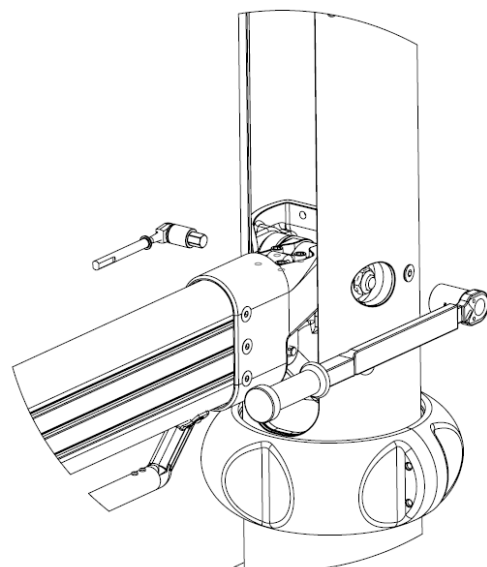
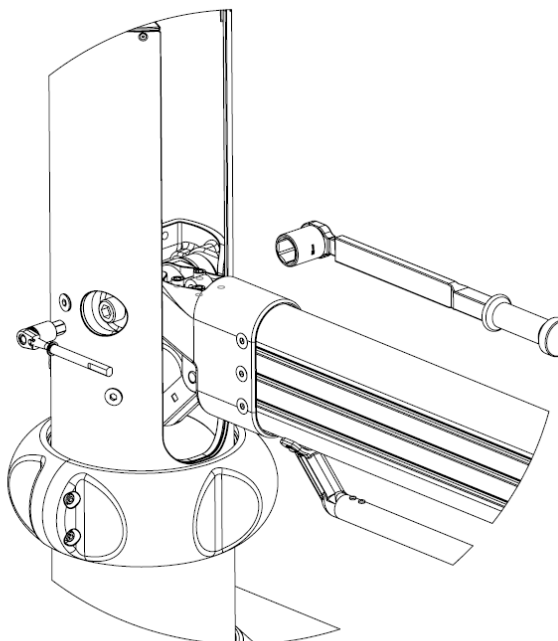


Install another handle to the flat section of the lower rail by pushing the handle into the rail to flatten the flexible brackets. Repeat for the last handle on the other side of the bottom rail.

### Step 25

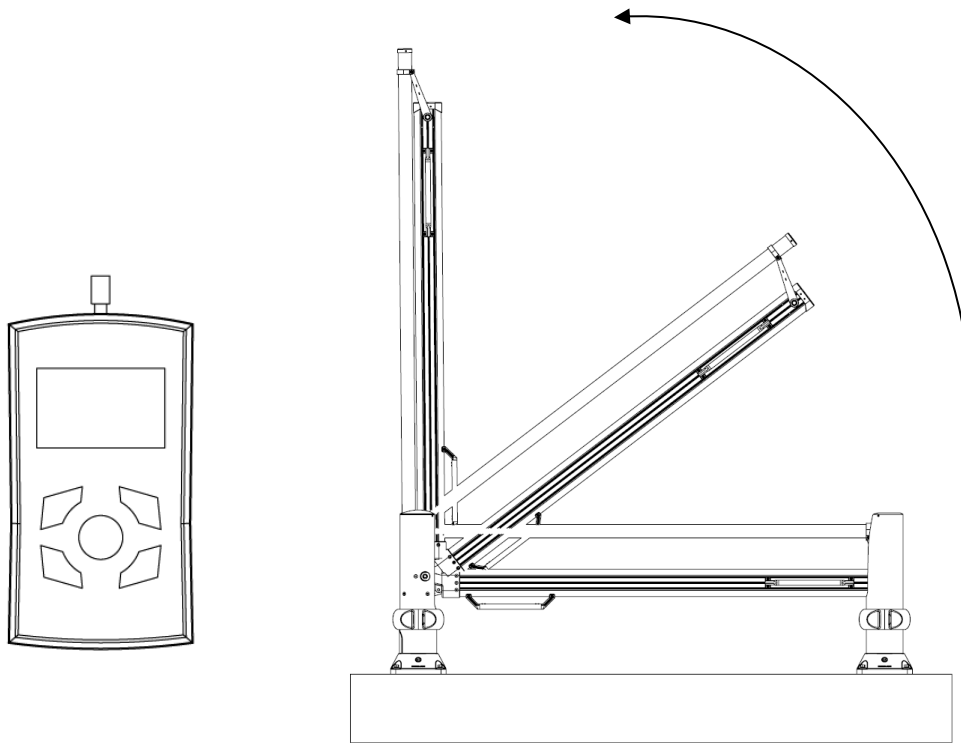
Use a Ratchet Wrench with a 19mm Hex Bit Socket and a Torque Wrench with a 36mm Socket to set the torque of the cup pivoting pin to 60 Nm (44 ft-lbs).

*Top Rail hidden in view for clarity.*



## Step 26

Follow the instructions on the McCue SafeStop Forklift Gate Requirements Document to verify the force required to open the gate arm is within tolerance. Use a handheld Force Gauge for accurate readings.



## Step 27

Repeat for closing forces.

