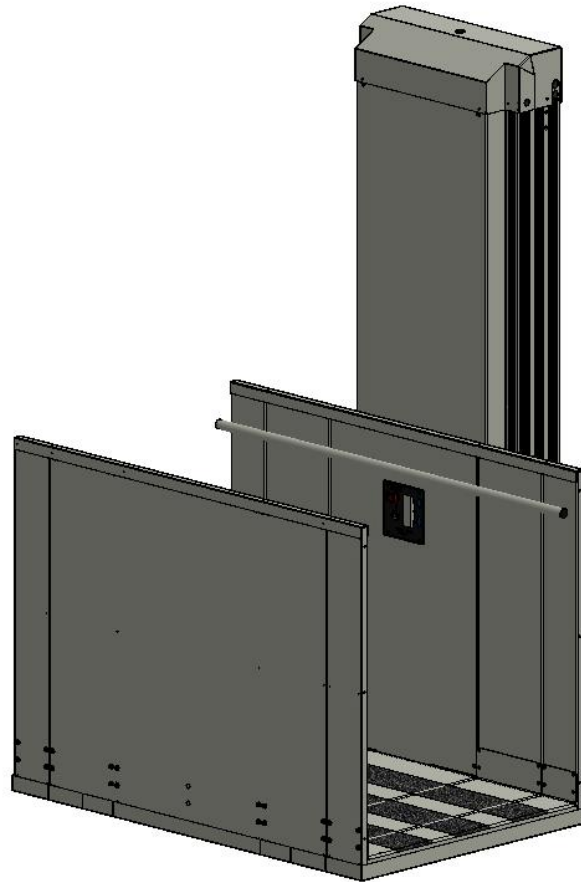




VERSION 1.0
JANUARY 17, 2019



VERTICAL PLATFORM LIFT INSTALLATION INSTRUCTIONS

Please refer to the Owner's Manual for warranty information and operating instructions. Please call the Service Department at **877-378-4275** if you have questions concerning the installation or service of the Platform Lift.

Table of Contents

Position Tower	3
Removing Covers.....	4
Connect Batteries.....	5
Slack Cable Switch	5
Tower Extension Module (optional)	6
Tower Support Structure (optional).....	7-9
Platform.....	10-15
Limit Cams	16
Auto-Folding Ramp (optional).....	17-19
Anchoring Tower	20
Reinstalling Covers	21
Platform Operating Panel	22-23
Platform Non-skid.....	23
Platform Gate (optional)	24
Top Landing Gate (optional).....	25
Interlock Wiring	26
Remote Landing Controls.....	26
Test the lift	27

The following information has been written to provide clear and precise instructions for proper installation procedures.

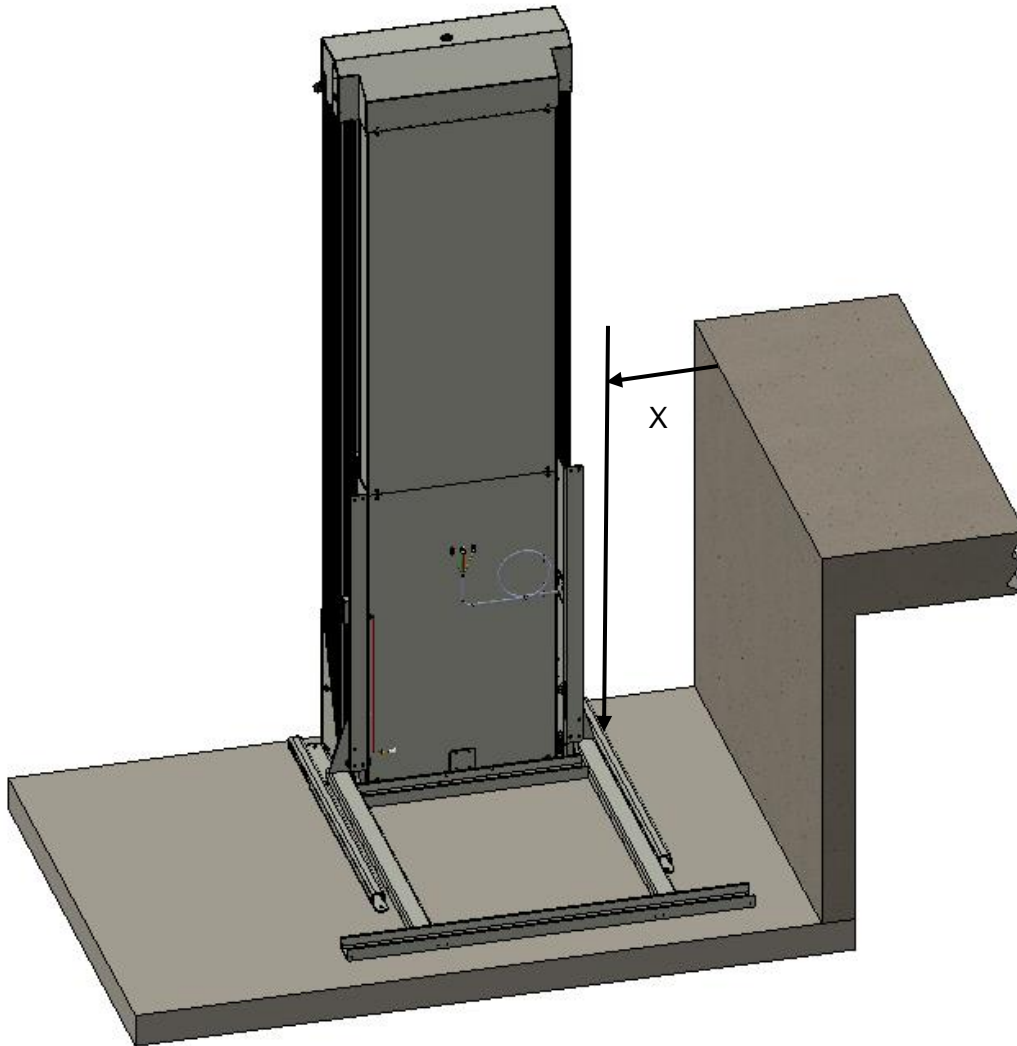
It is imperative that all information, supplemental prints, labels on equipment, etc. be read and understood prior to attempting installation of the platform lift. Depending on options ordered, all instructions may not apply. Also, please observe all cautions and warnings.

The following is a list of tools and additional materials that may be needed during the installation of the lift:

- ✓ Safety items: hard hats, safety glasses, steel toe shoes, etc.
- ✓ Set of screwdrivers (slotted and phillips)
- ✓ Hammer
- ✓ 4' level
- ✓ Framing square
- ✓ Plumb line and plumb bob
- ✓ 12' tape measure
- ✓ 3/8" hammer drill
- ✓ 3/8" impact driver
- ✓ Set of hex keys
- ✓ Socket and wrench set
- ✓ Multi-meter
- ✓ Step ladder

We recommend inspecting all material and hardware prior to beginning installation. If there is damage, it must be noted on the Bill of Lading and claim handled directly with the carrier.

1. Position Lift Tower near upper landing as shown (left hand tower orientation depicted).



⚠ The tower must be level and plumb in all directions, shim under the base plate as necessary.

Measure from the upper landing edge to the side of the Tower Support Leg. It may be necessary to hang a plumb bob from the upper landing to accurately position the lift.

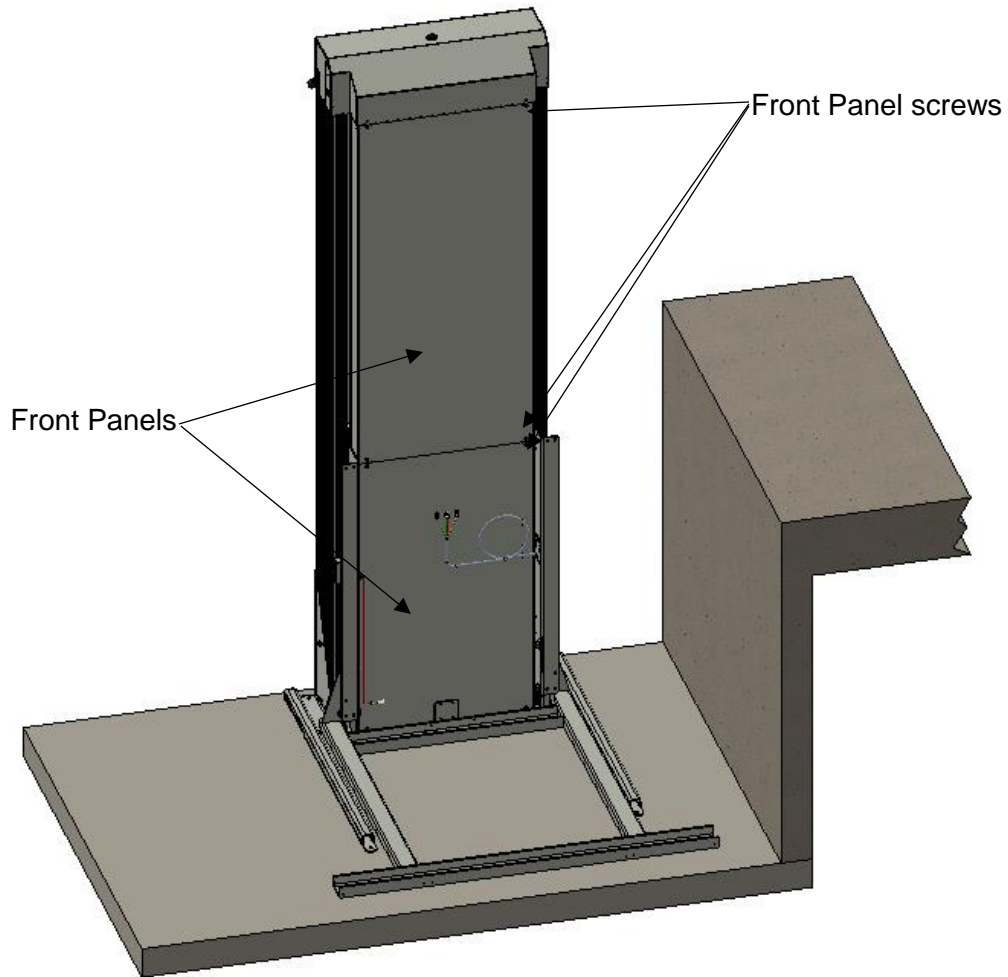
The distance needed for each platform size is:

$$36 \times 48 / X = 7\text{-}1/8''$$

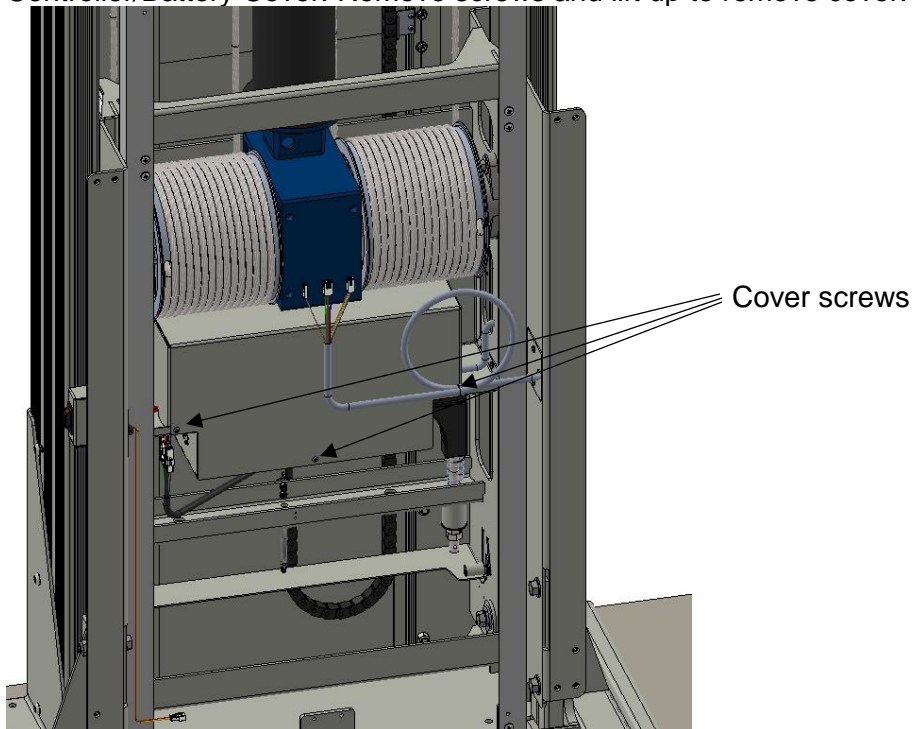
$$36 \times 54 / X = 7\text{-}1/8''$$

$$36 \times 60 / X = 13\text{-}1/8''$$

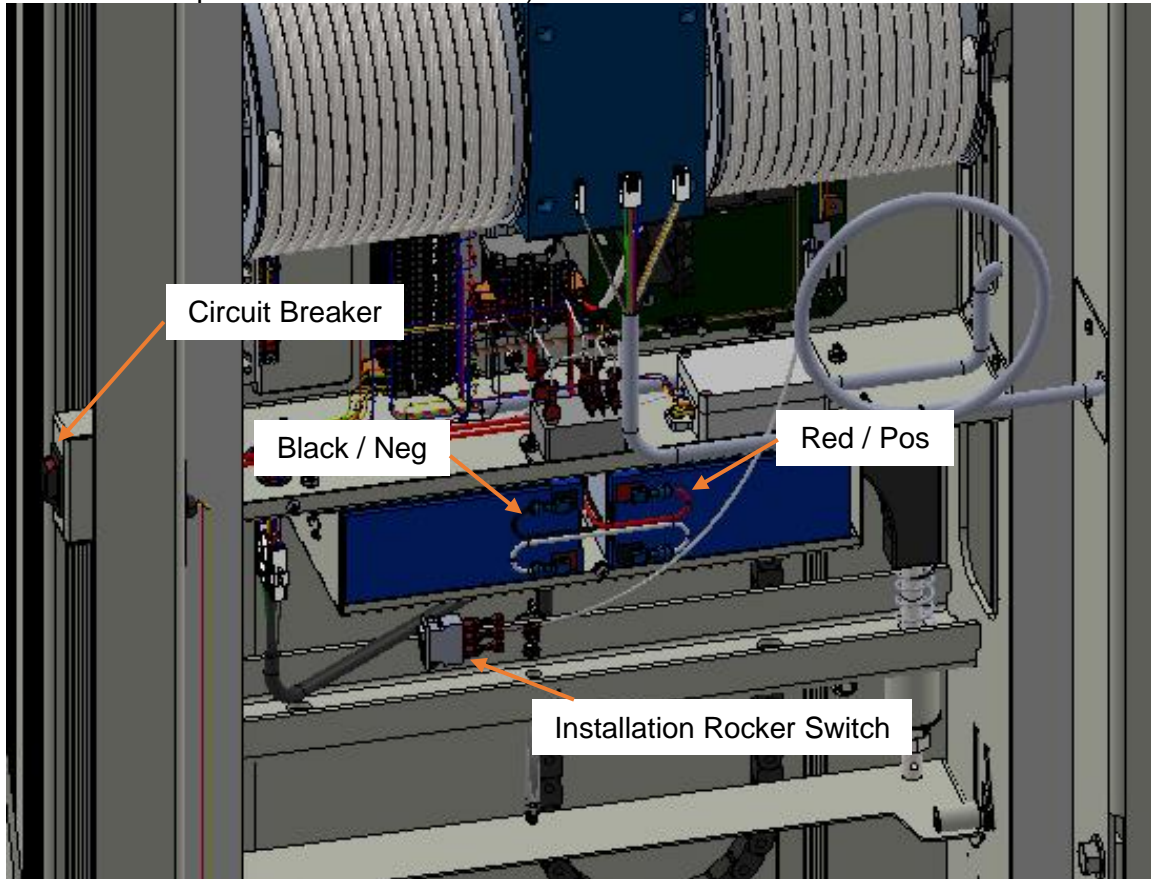
2. Remove the Tower Front Panels.



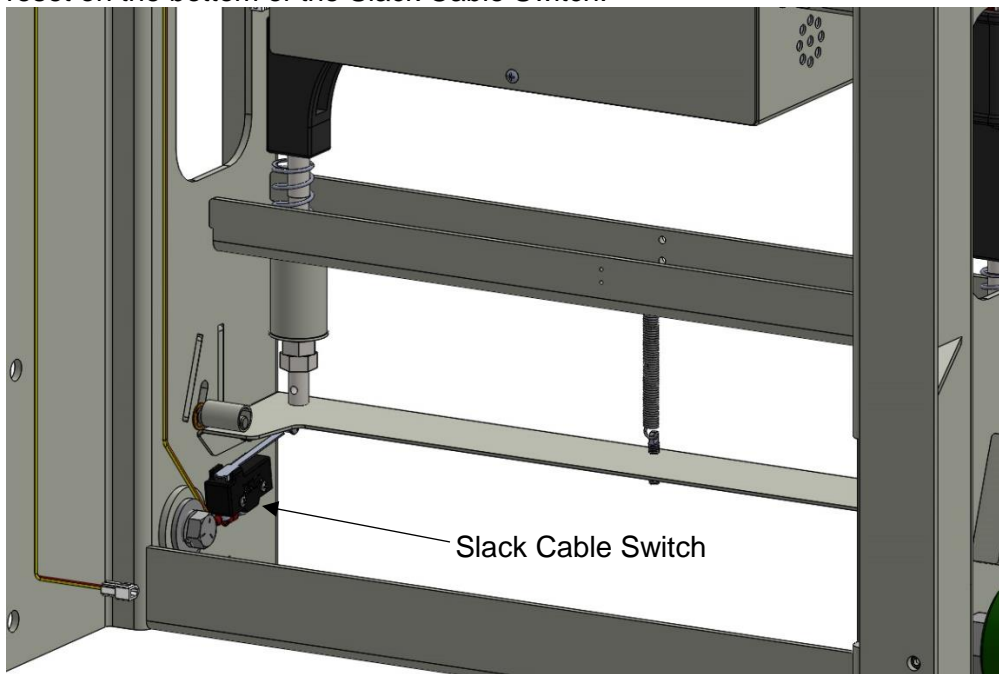
Controller/Battery Cover. Remove screws and lift up to remove cover.



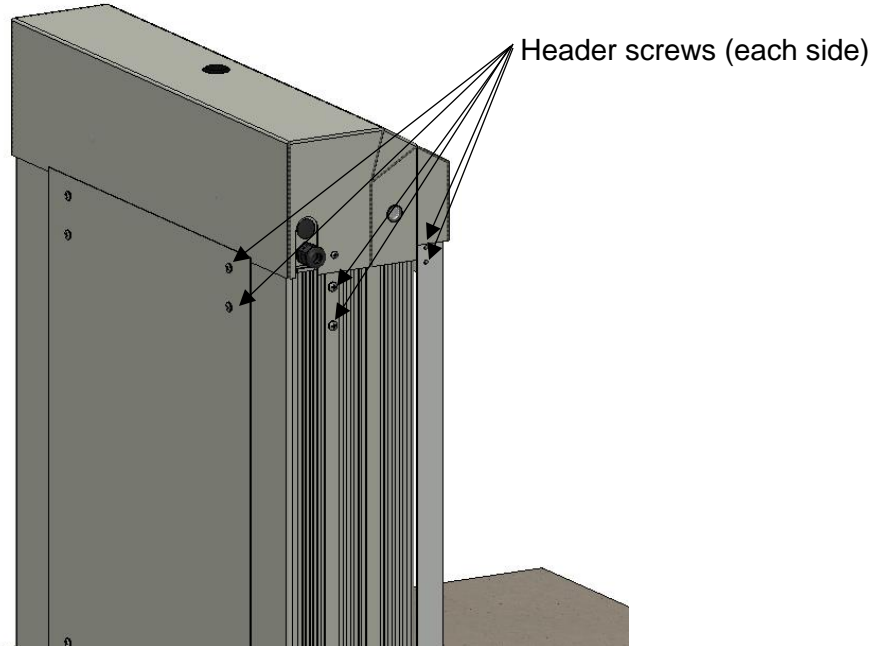
3. Connect battery terminals.
Turn the Circuit Breaker/battery disconnect to "On" and locate the Installation Rocker Switch (it will be coiled up next to the circuit board).



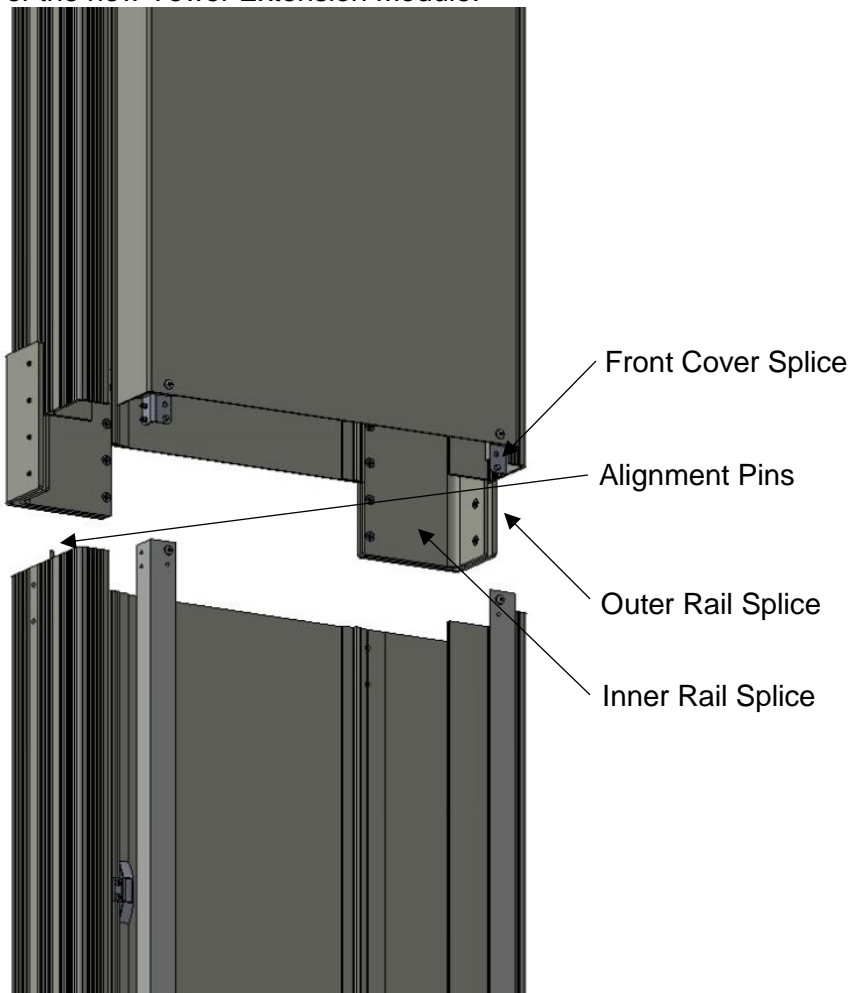
4. During shipping it may be possible that the tension on the lifting cables became loose and the Slack Cable Switch was activated.
Using the Installation Switch, run the lift up to take up any slack in the cables. Then press the reset on the bottom of the Slack Cable Switch.



5. Installing Tower Extension Module (if required).
Remove screws holding Sheave Header on top of Rails and remove Header.

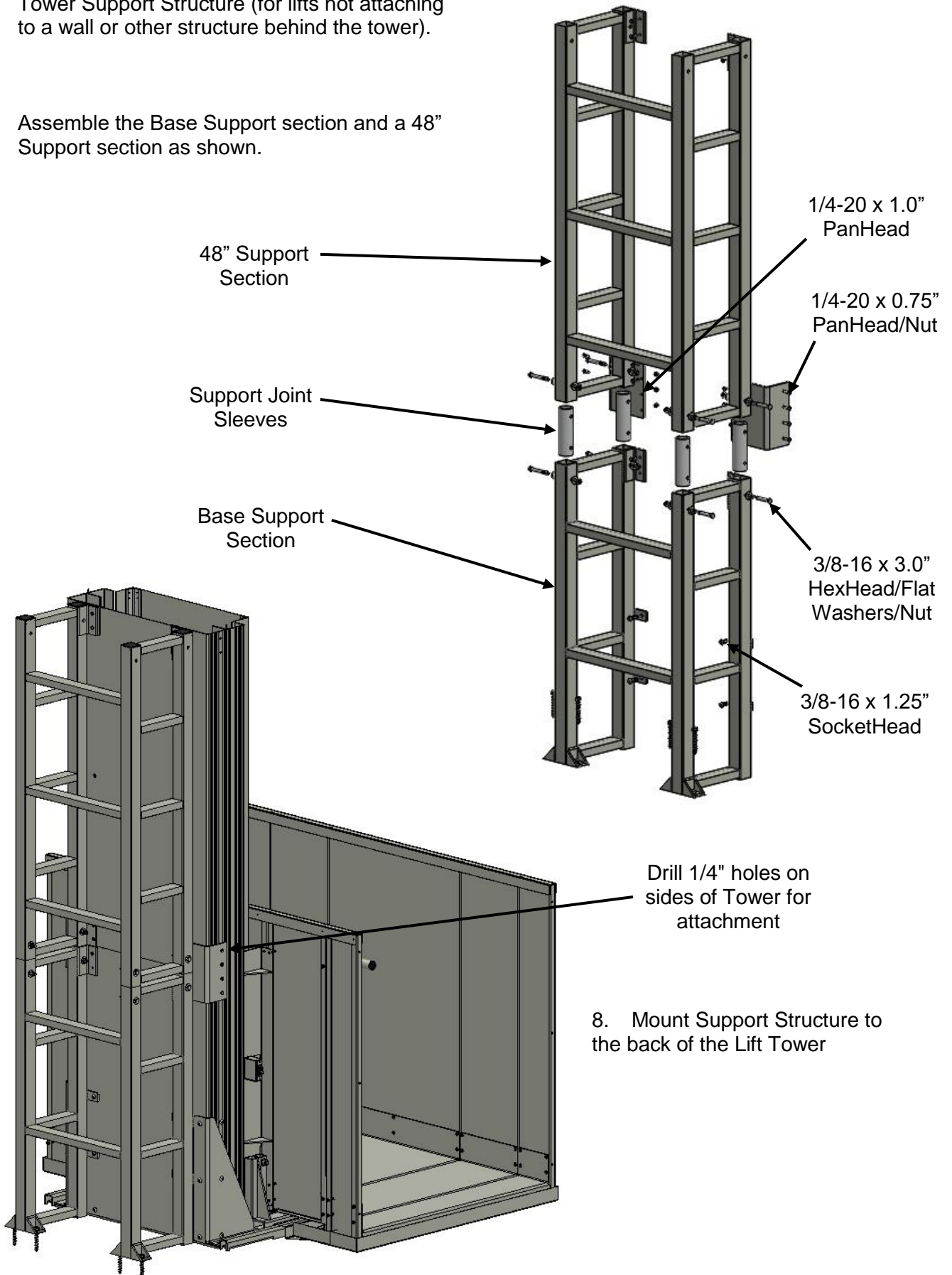


6. Using the provided hardware, join the Rail sections with the Inner and Outer Splice Plates. Also join the Front Cover Struts with the Front Cover Splices. Then reinstall the Sheave Header on top of the new Tower Extension Module.

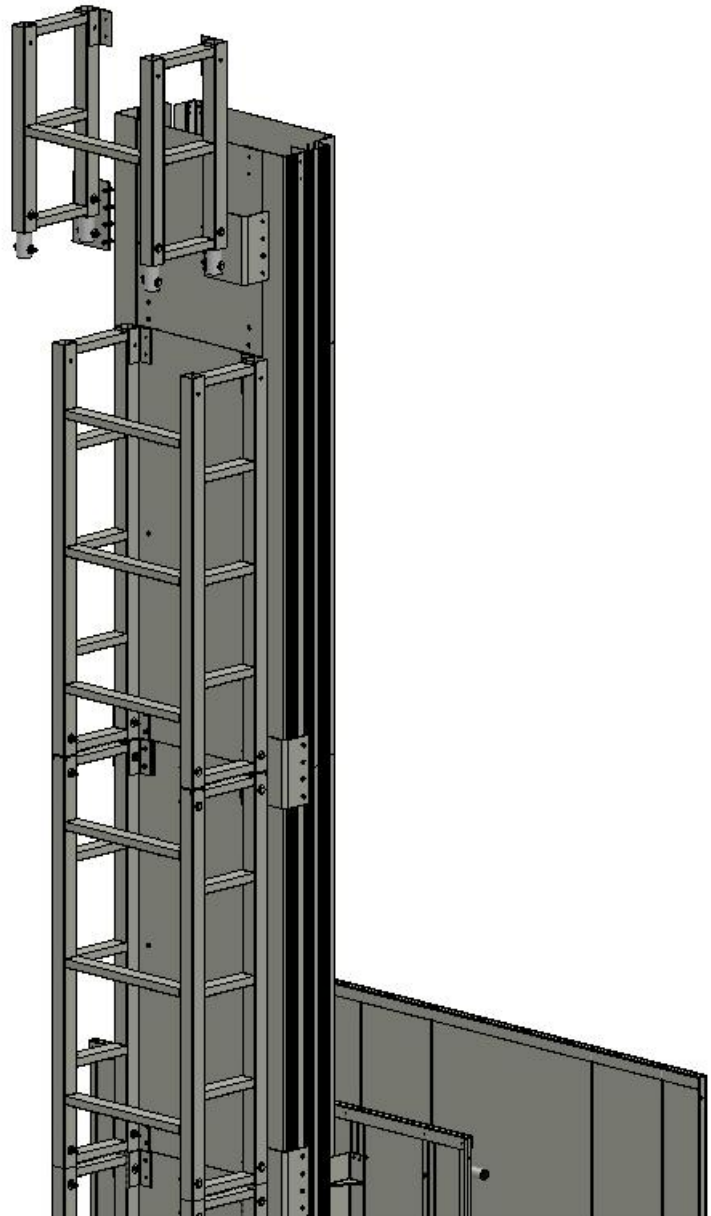


7. Tower Support Structure (for lifts not attaching to a wall or other structure behind the tower).

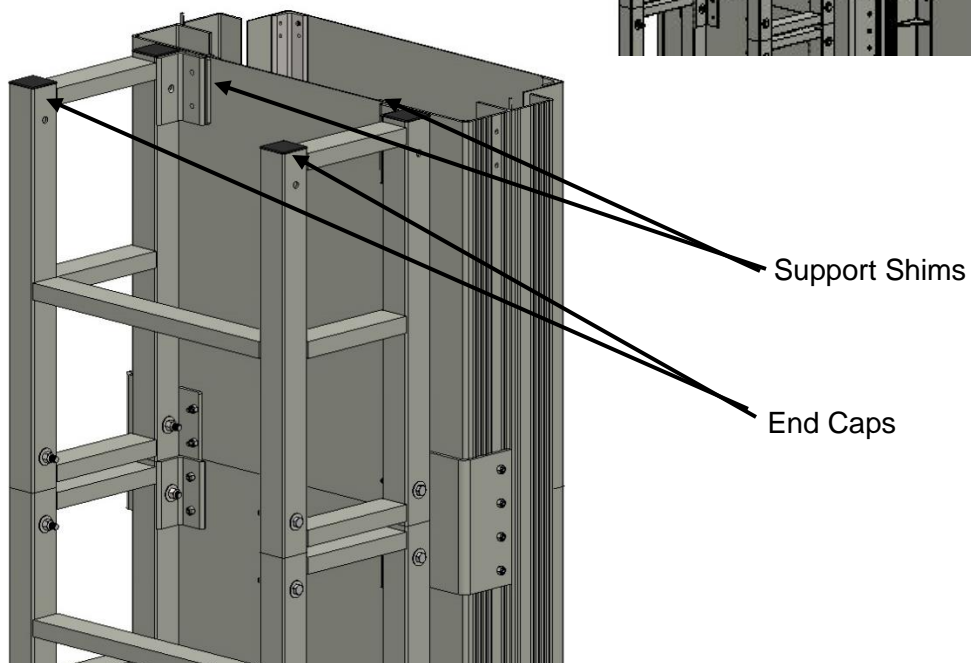
Assemble the Base Support section and a 48" Support section as shown.



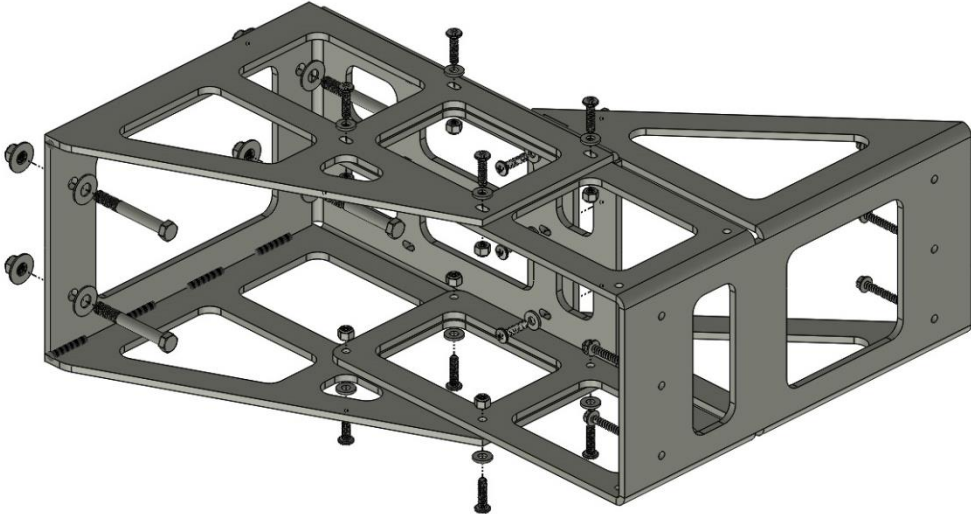
9. For taller lifts, continue with additional Support Sections to match the Tower Extension Modules.



10. At the top, install Support Shims and End Caps.



11. Assemble the Landing Brace. It is adjustable to work with any Platform size.



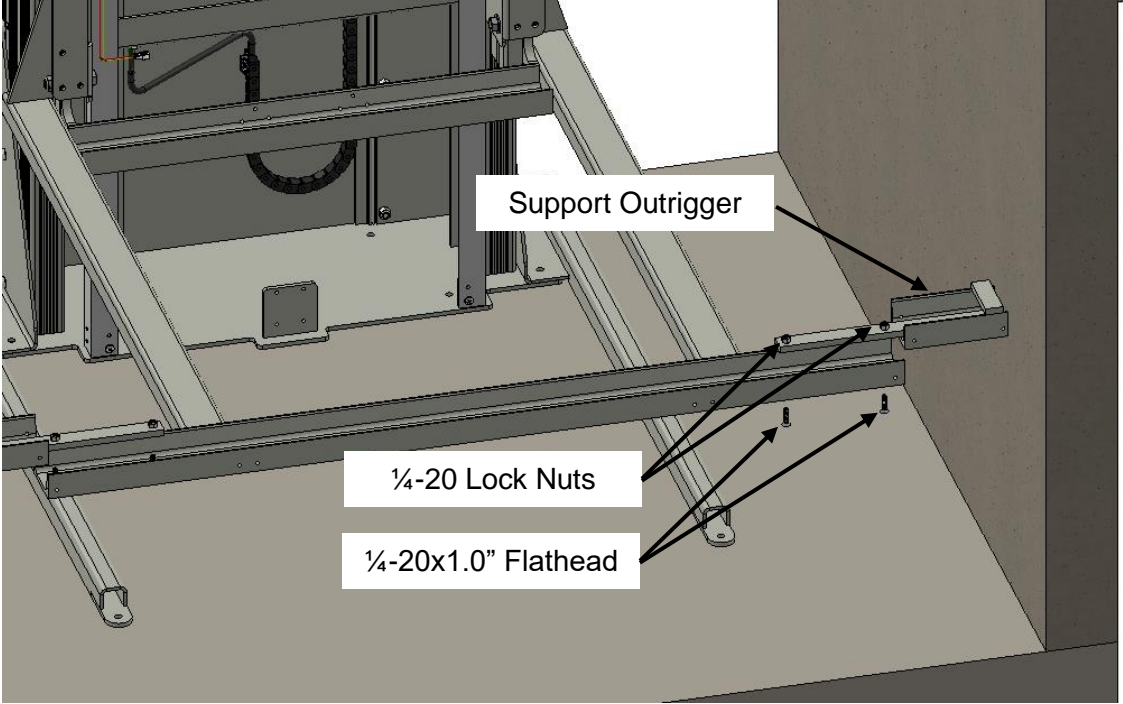
12. Depending on the lift height, drill 3/8" holes through the Tower Support Structure and attach the Landing Brace.



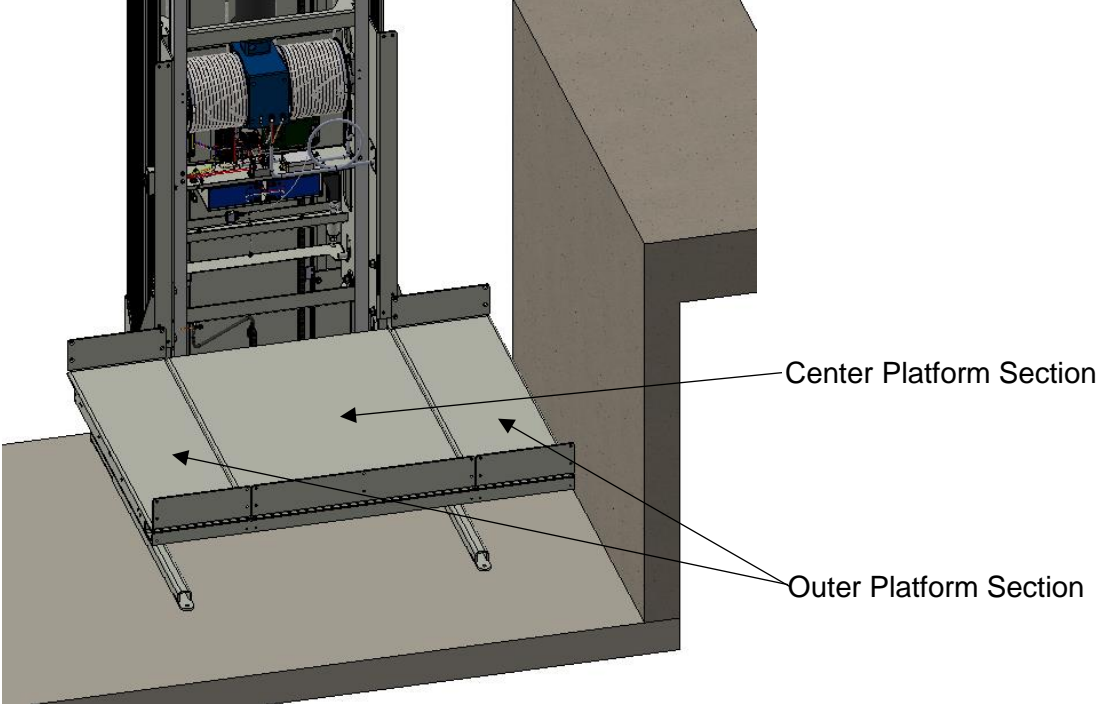
Drill mounting holes
where needed

13. Assembling the Platform.

If you have an optional 54" or 60" long platform, install the appropriate Platform Support Outriggers. Only install one on the lower landing side if using a 54" platform.

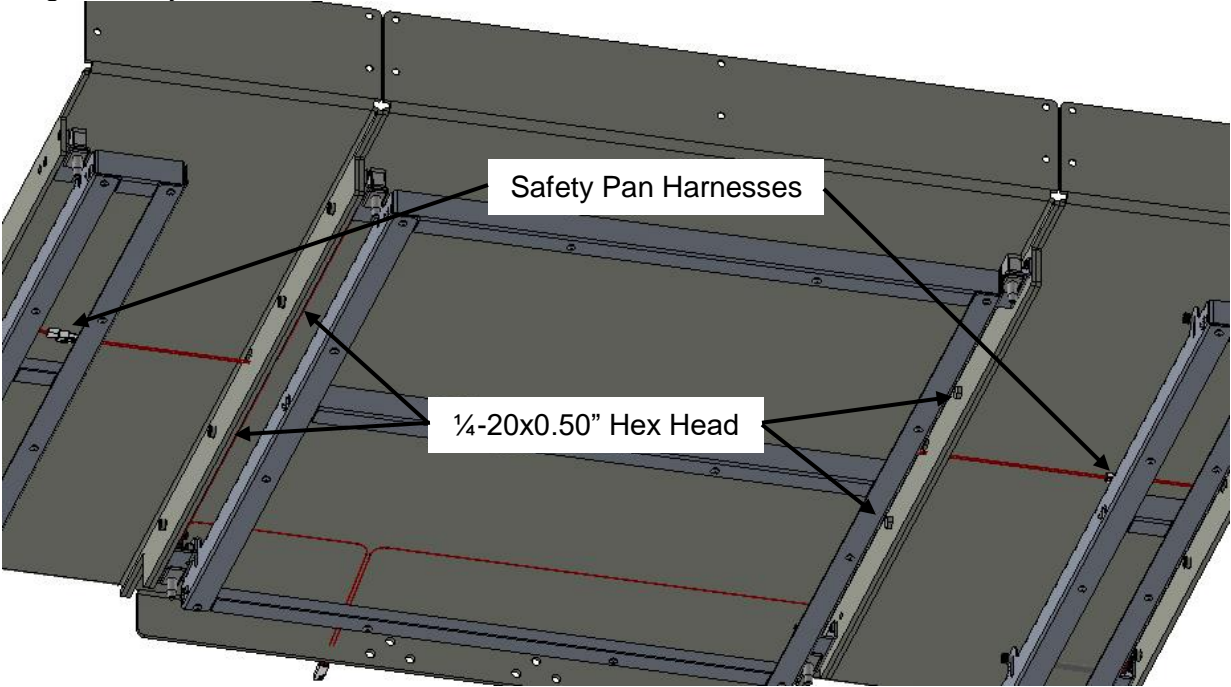


14. Run the lift up a couple of feet to get the Platform Support Frame at a comfortable working height. Set the Center and Outer Platform sections on the Platform Support Frame.

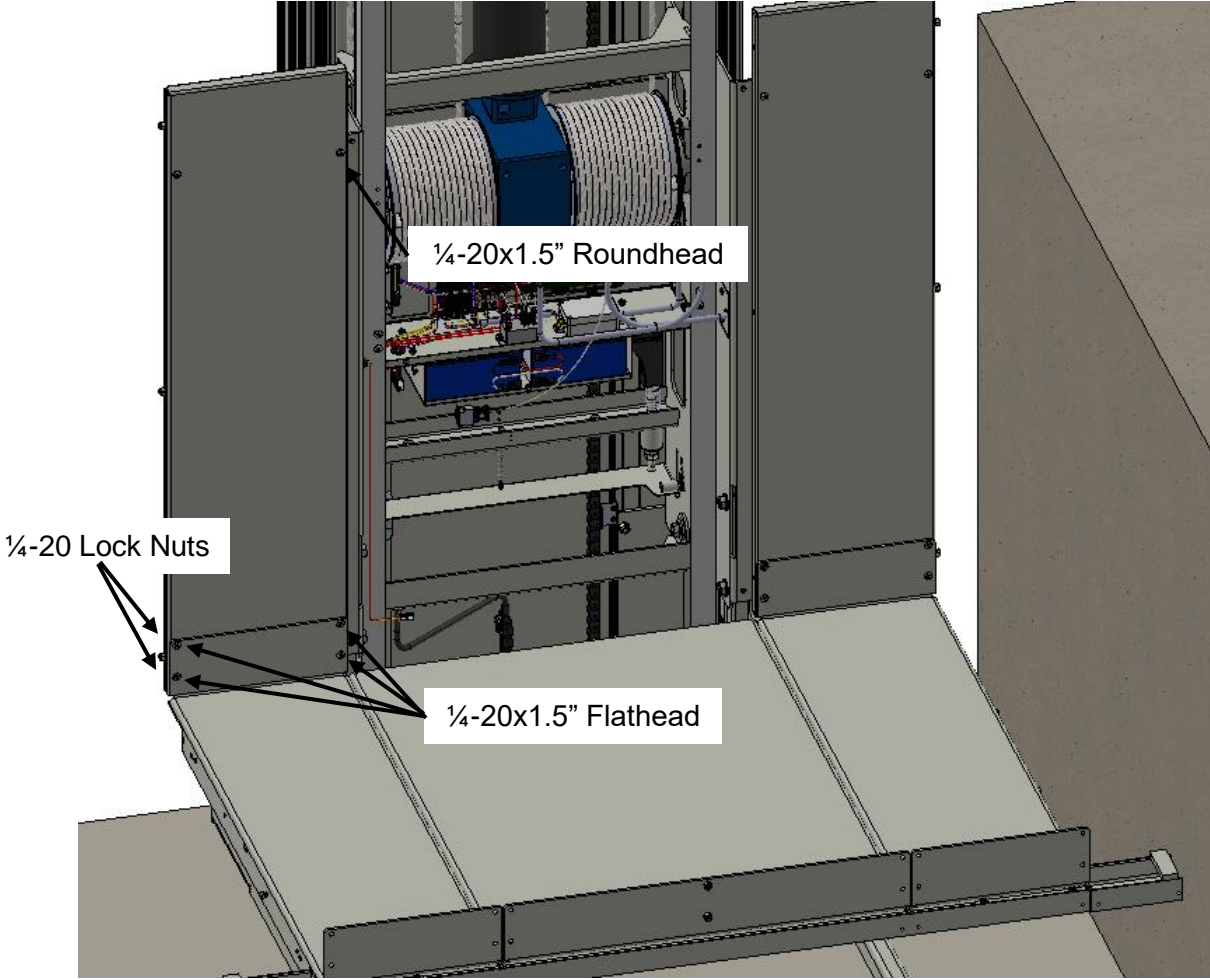


⚠ It is recommended to assemble all Platform pieces together with the hardware only hand tight until all pieces are attached.

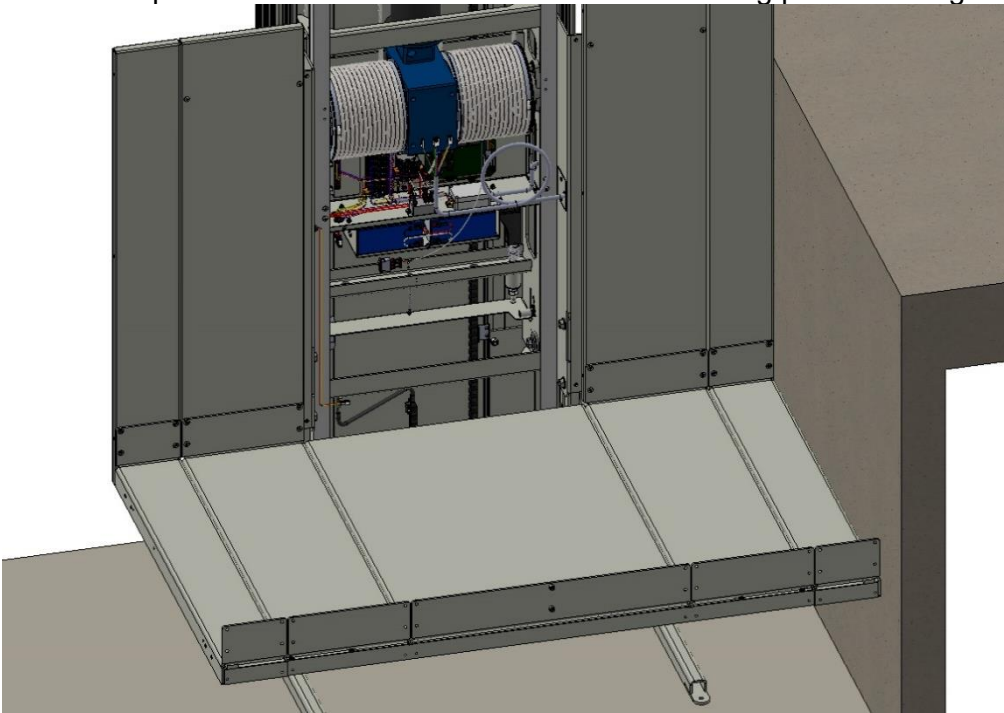
15. Secure the Platform Sections together using 1/4-20x0.50" hex heads. Plug in Safety Pan Harnesses



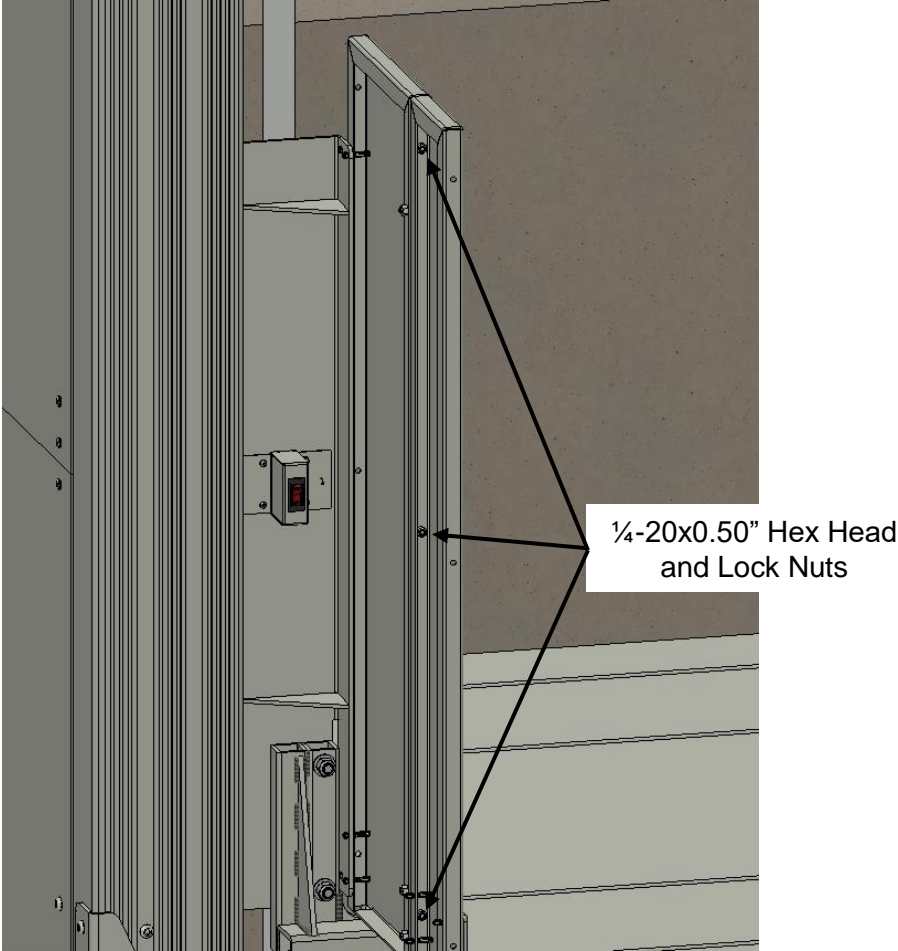
16. Install Rear Outer Guard Panels with hardware as shown.



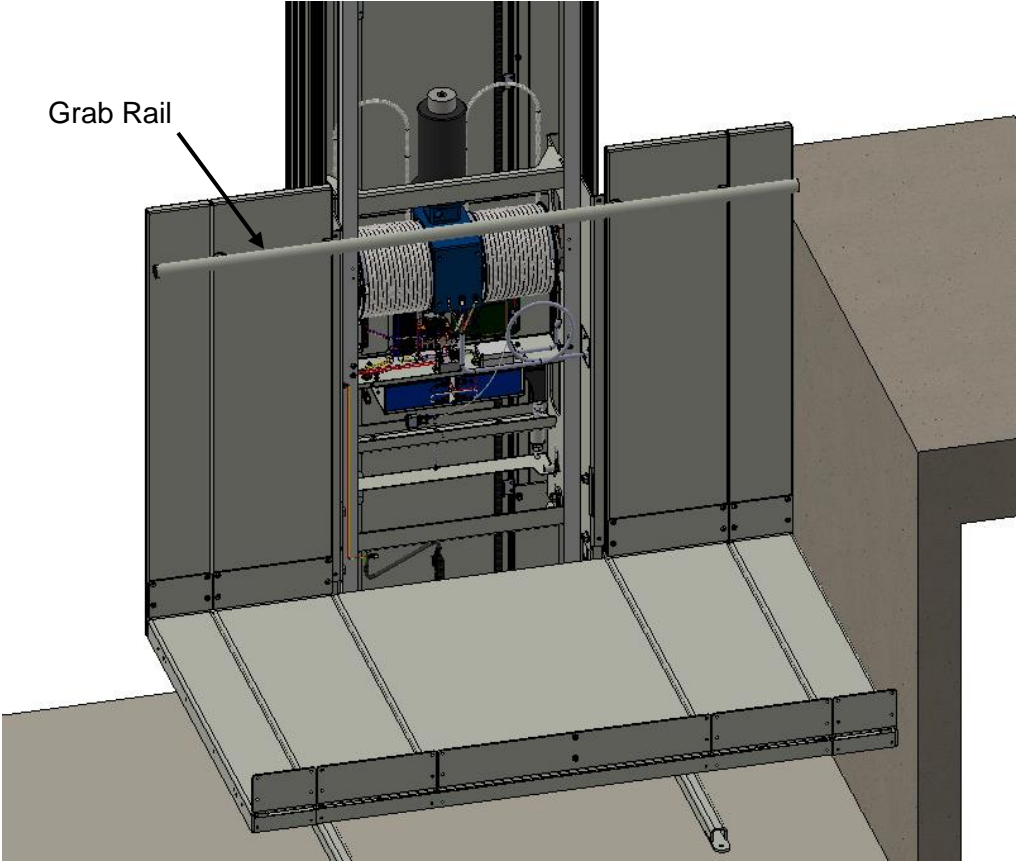
17. Install the optional Platform Extensions for a 54" or 60" long platform using steps 7 and 8.



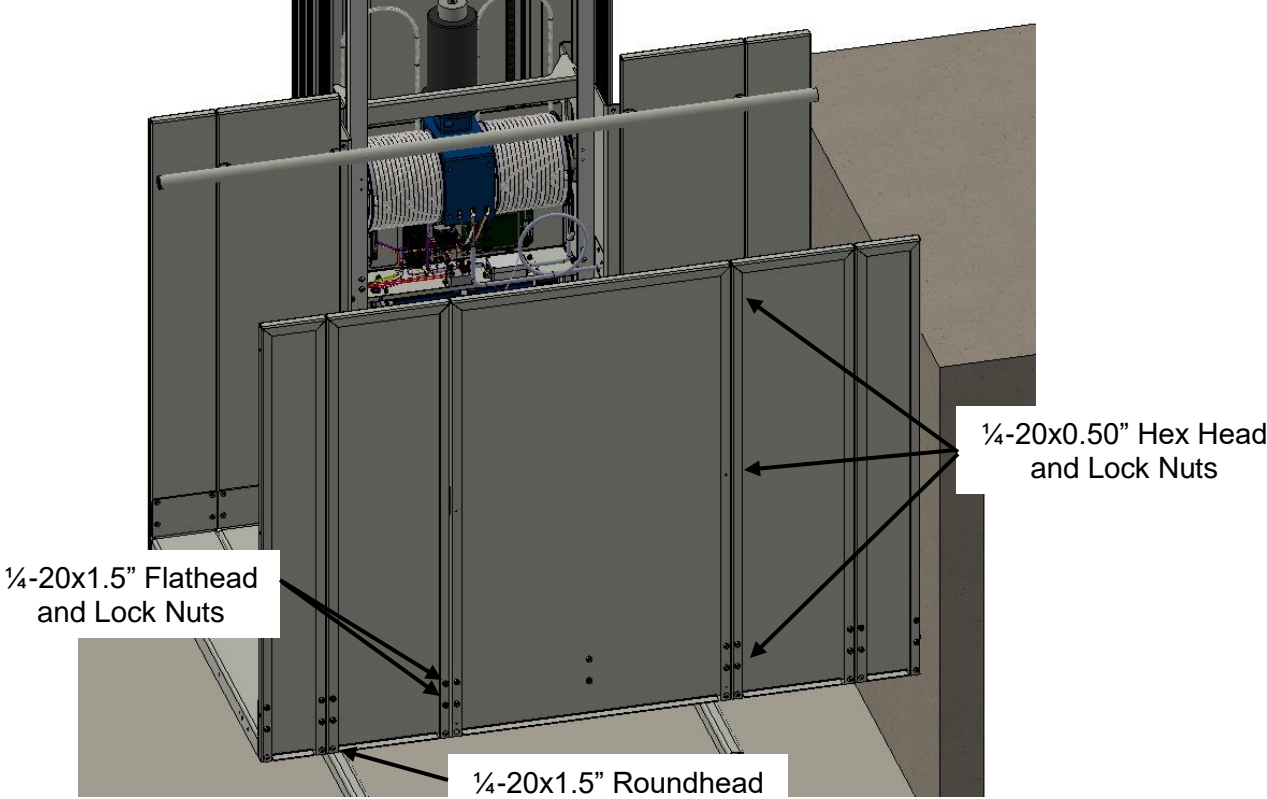
Also fasten the Rear Outer Guard Panels to the Extension Guard Panels.



18. Install the Grab Rail utilizing the Rear Outer Guard Panel upper mounting hardware.

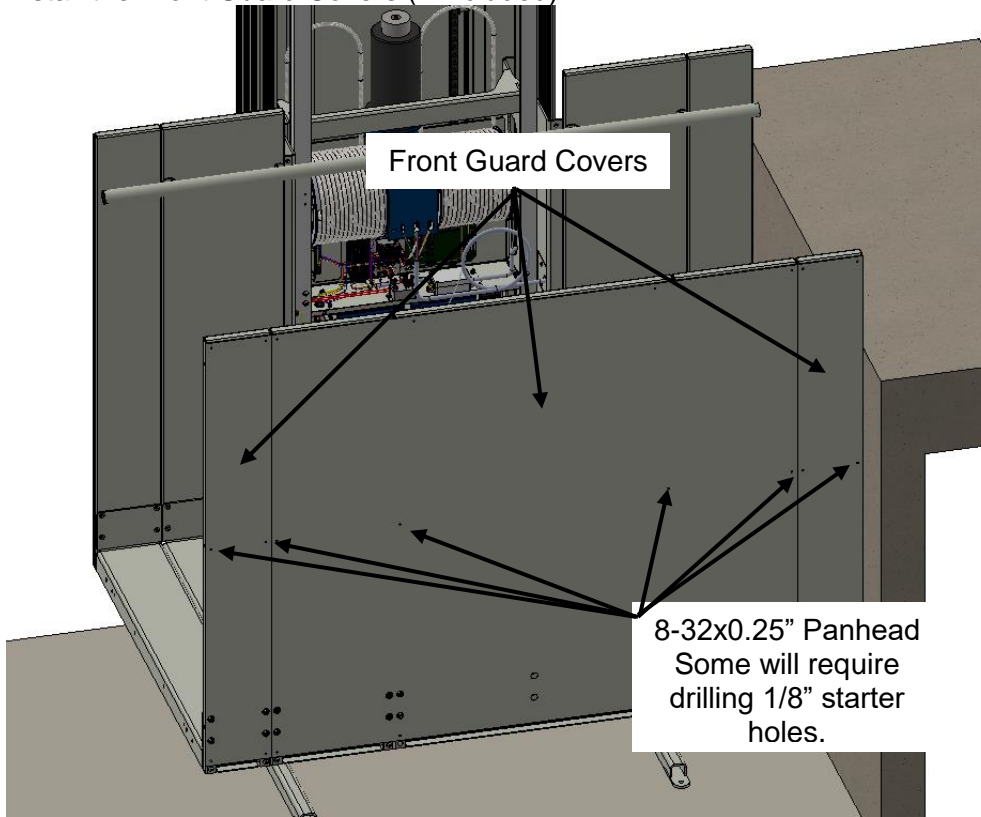


19. Install the Front Guard Panels with hardware as indicated.

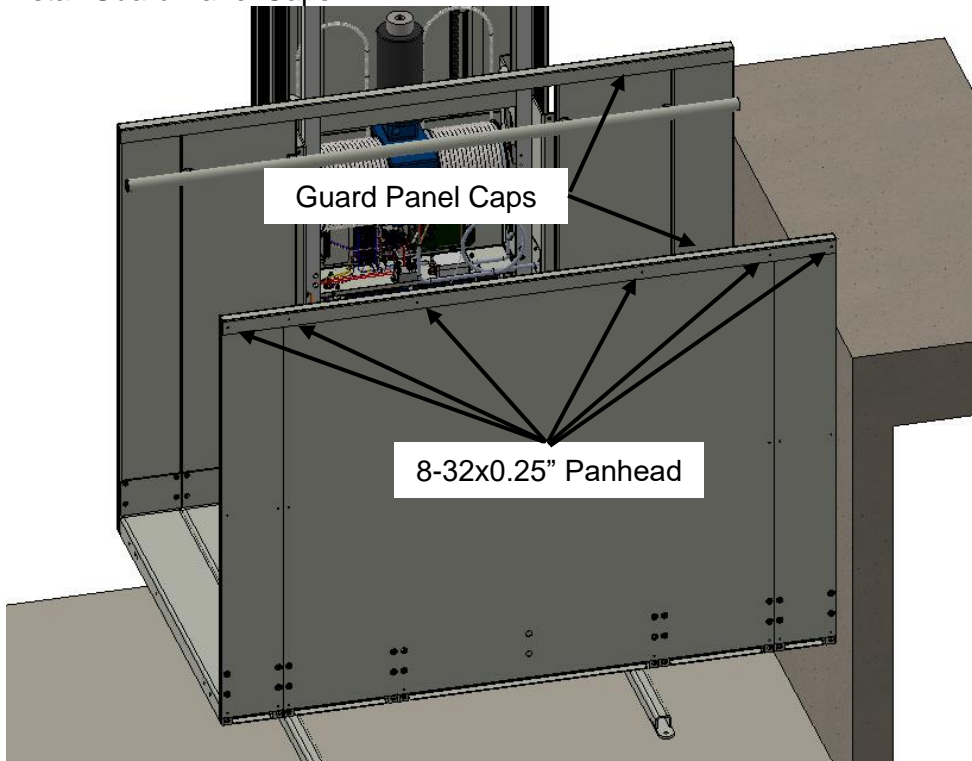


⚠ Return to STEP 9 and all Platform fasteners assembled to this point should now be tightened sufficiently.

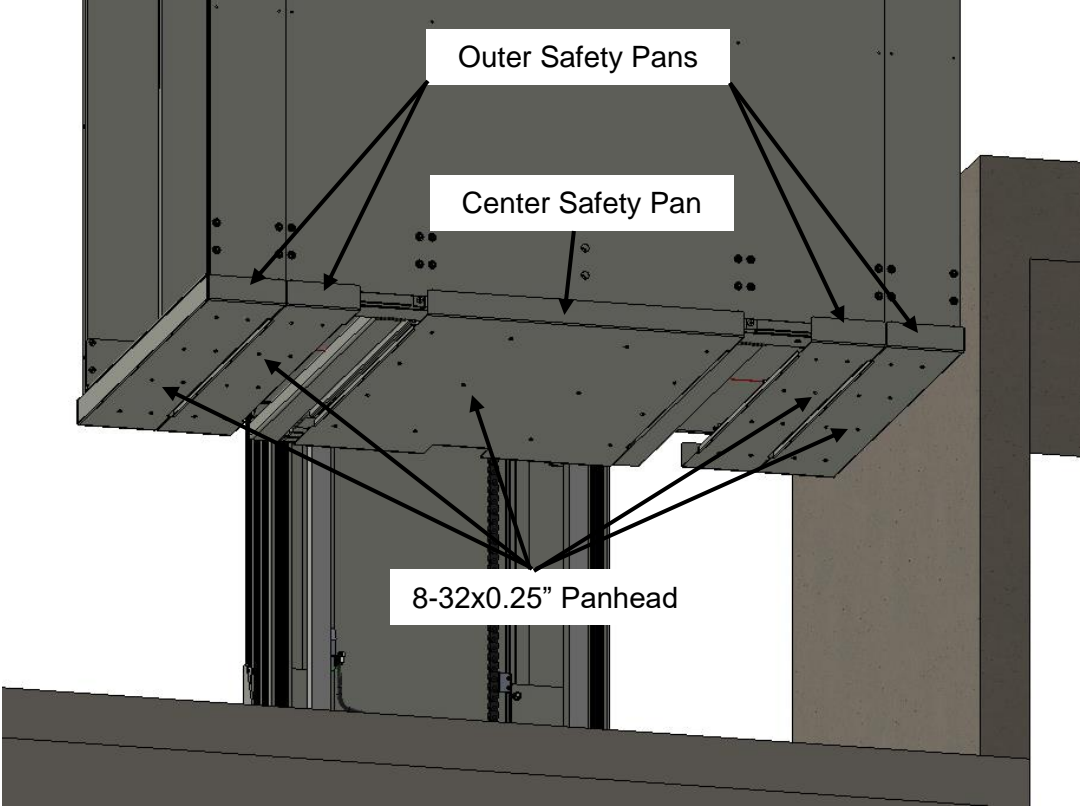
20. Install the Front Guard Covers (if included).



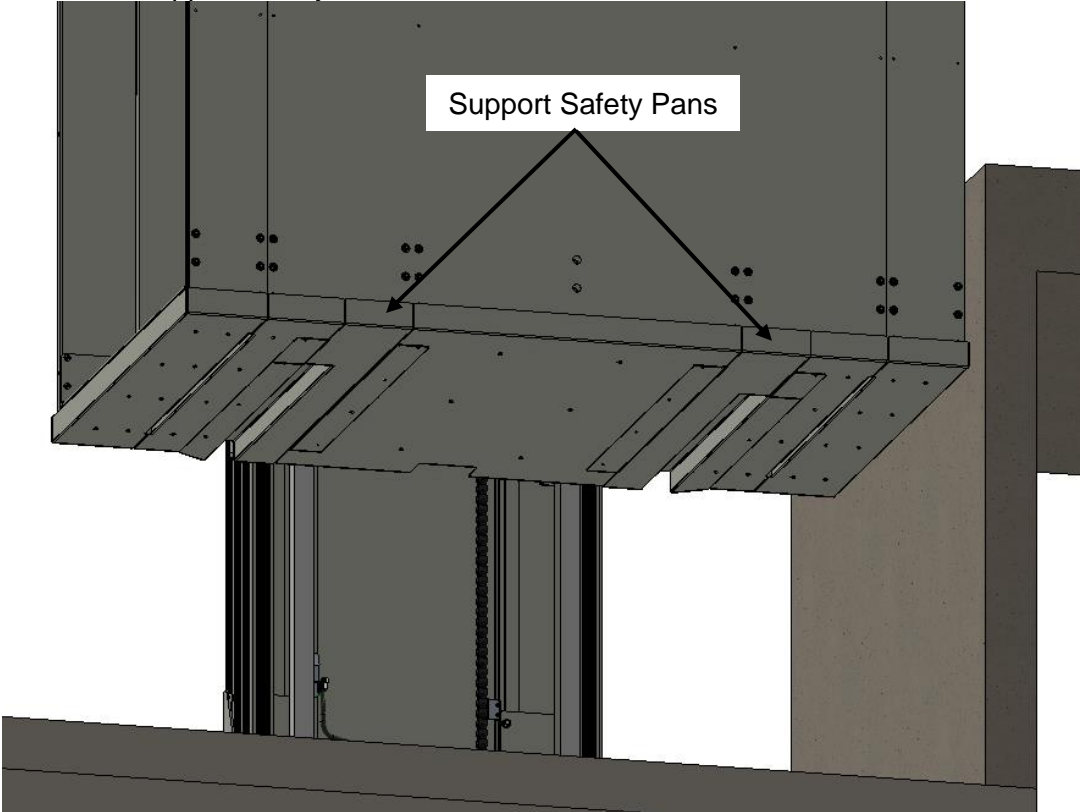
21. Install Guard Panel Caps



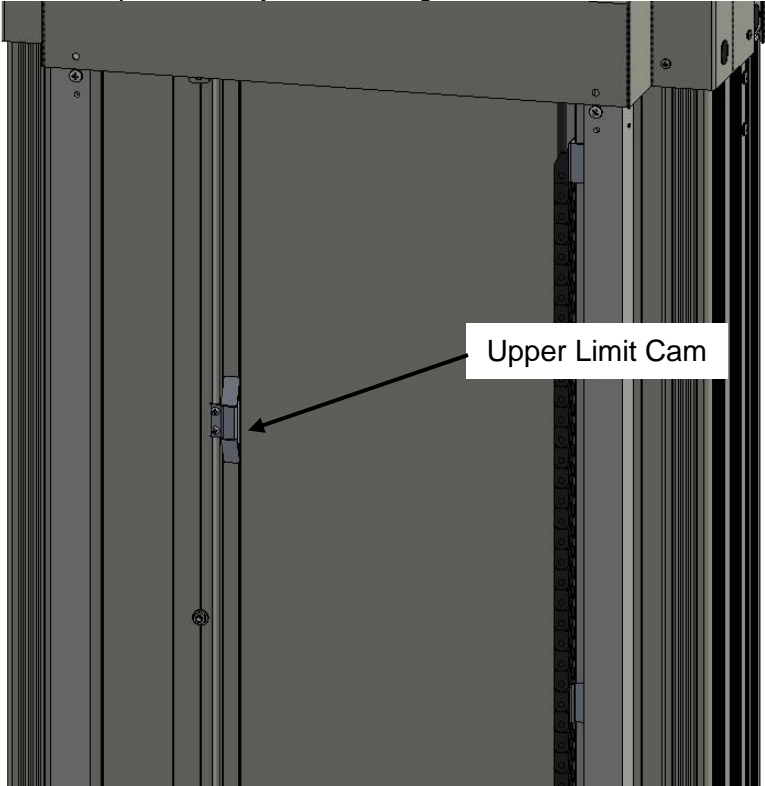
22. Install the Center and Outer Safety Pans



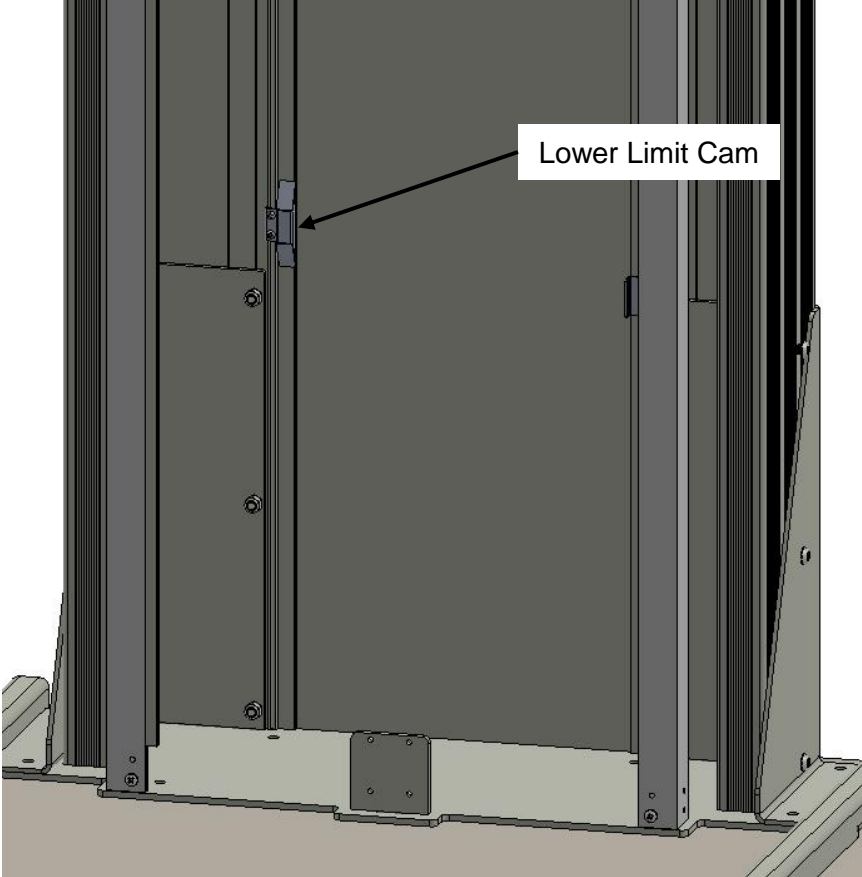
Install the Support Safety Pans.



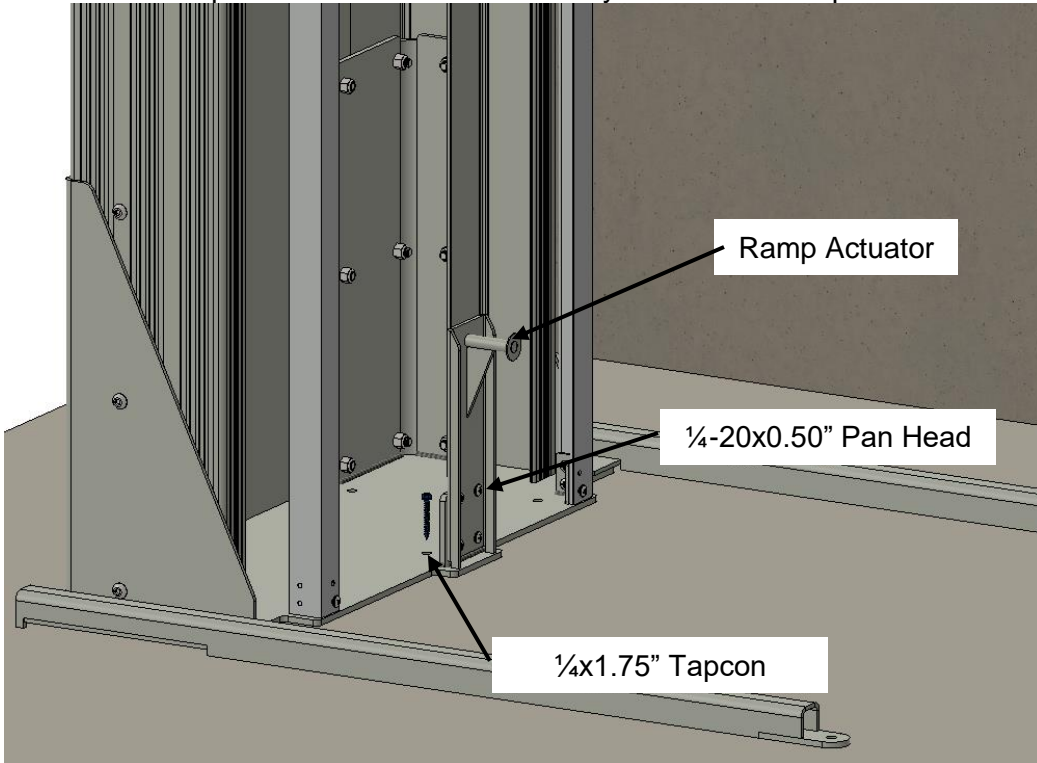
23. Adjust the Upper Limit Cam until the platform stops level with the top landing. Remove the two screw and reposition anywhere along the rail slot.



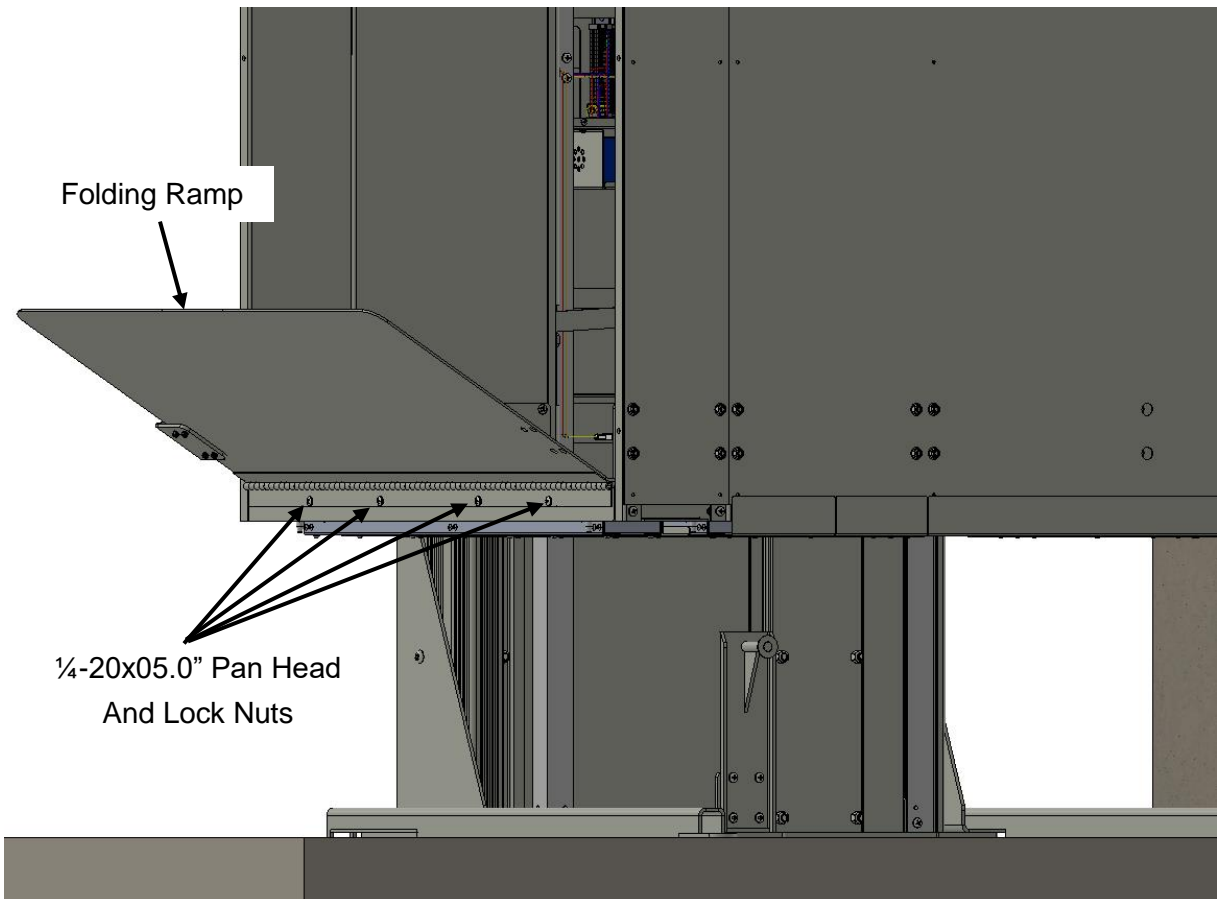
24. The Lower Limit Cam should be in the proper location, but can be adjusted as needed.



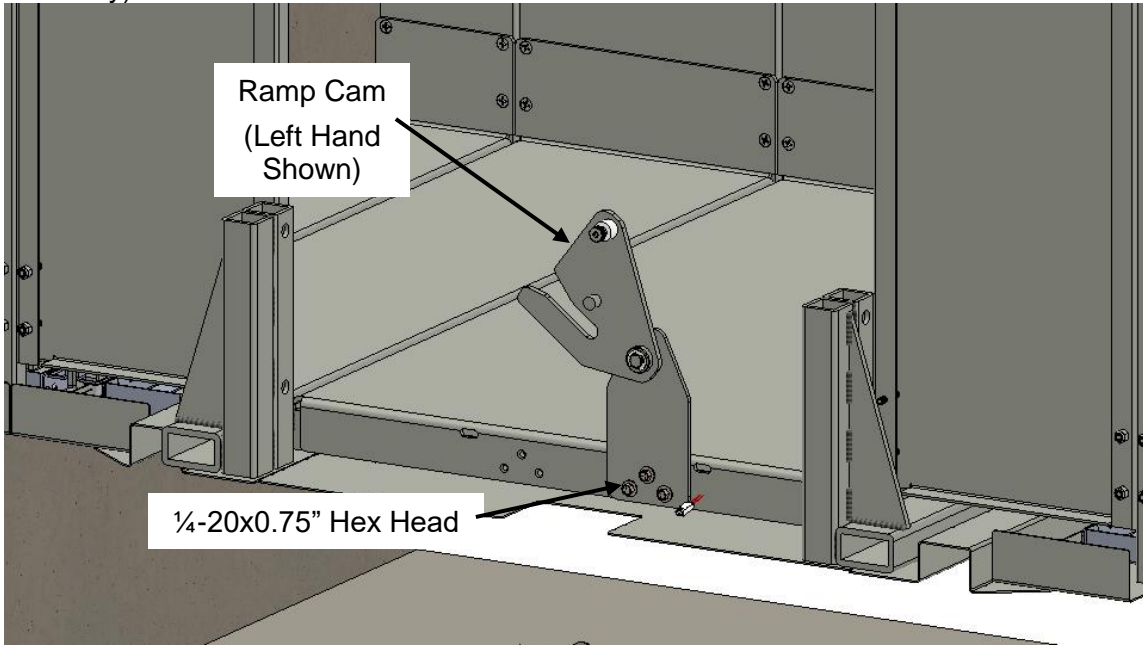
25. The optional Auto-Folding Ramp Actuator mounts to the Tower Base Plate. Also install a Tapcon anchor in the hole directly behind the Ramp Actuator



26. Mount the Folding Ramp to the end of the Platform (or Platform Gate if equipped).

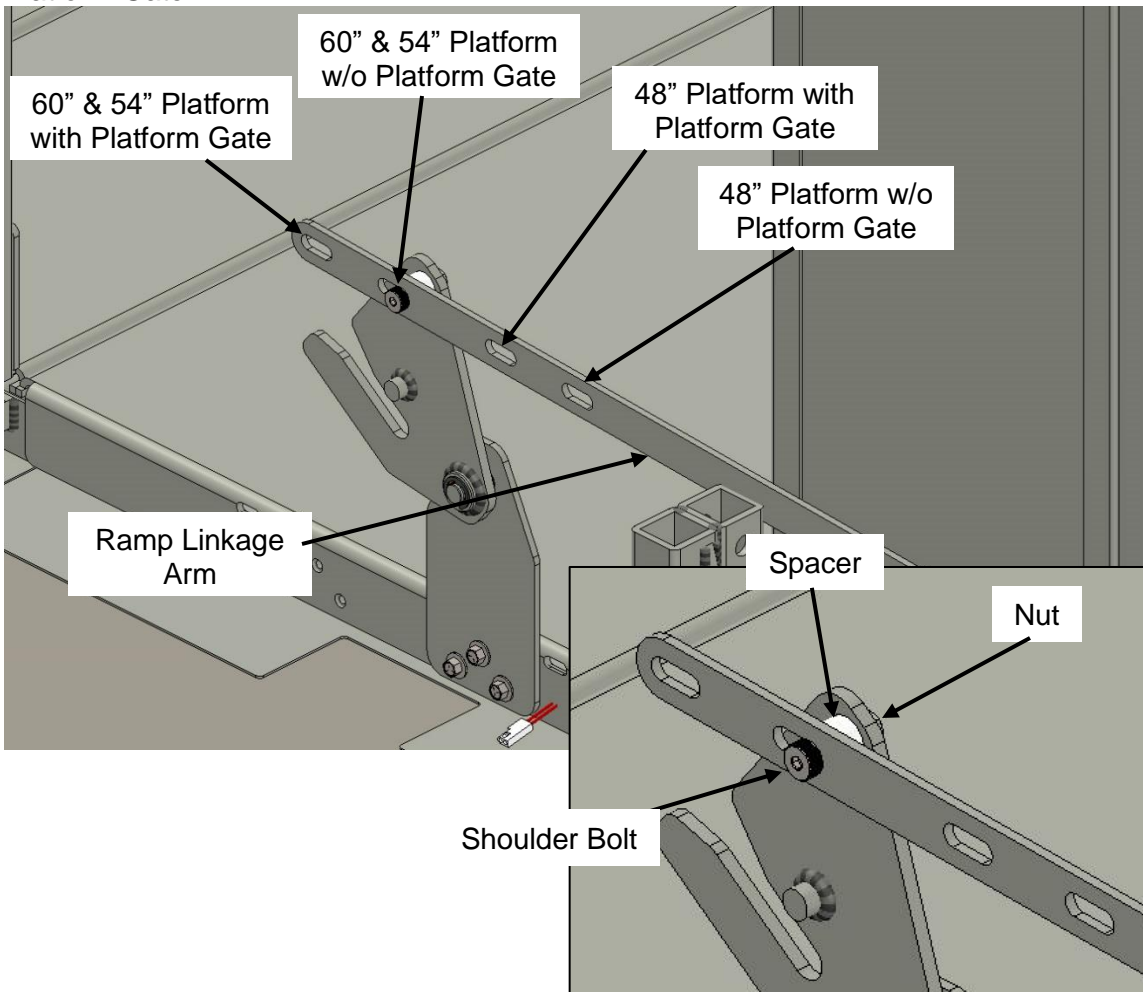


27. Mount the Auto Ramp Cam Assembly to the back of the Center Platform (Lift Tower removed for clarity).

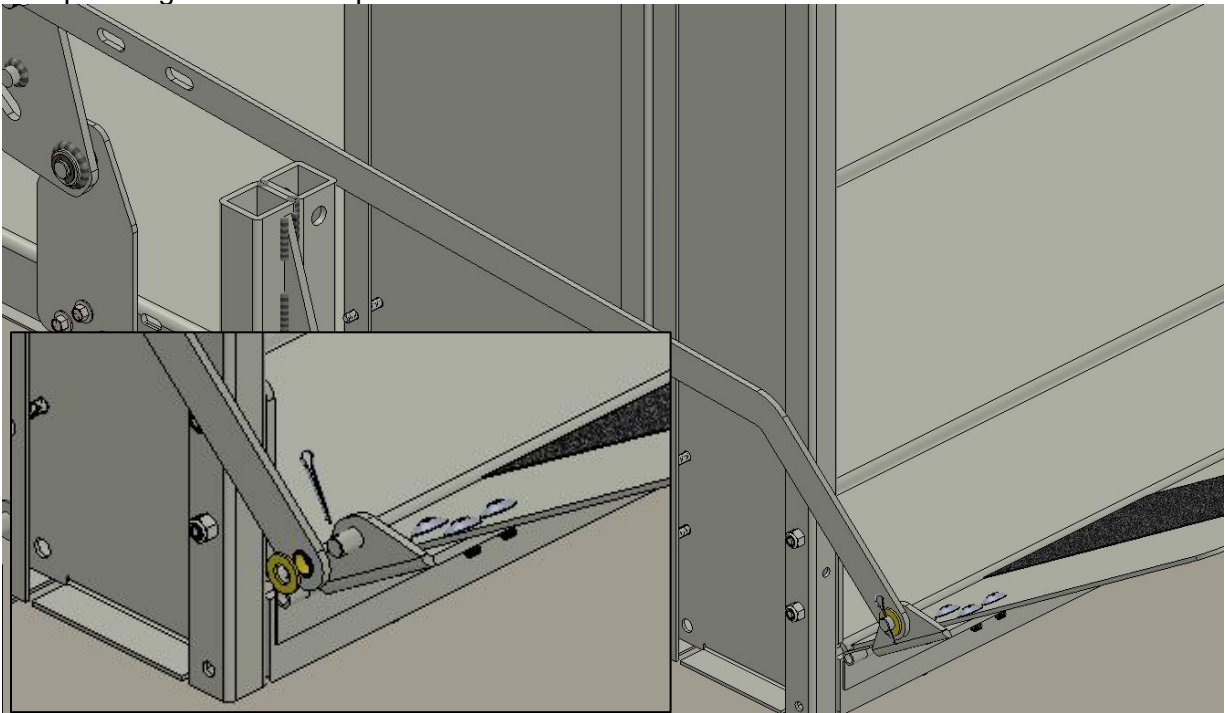


28. Install the Ramp Linkage Arm.

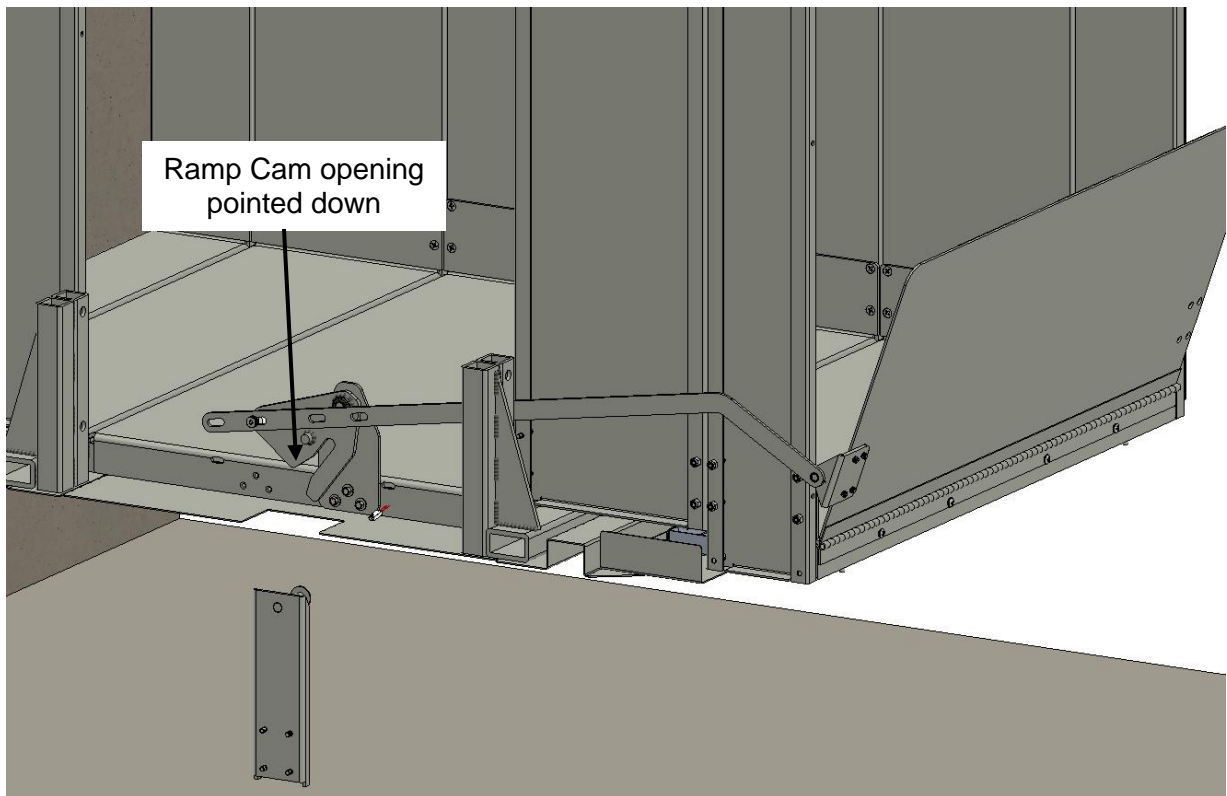
There are several different mounting positions depending on Platform size and with or without Platform Gate.



29. Ramp Linkage Arm to Ramp

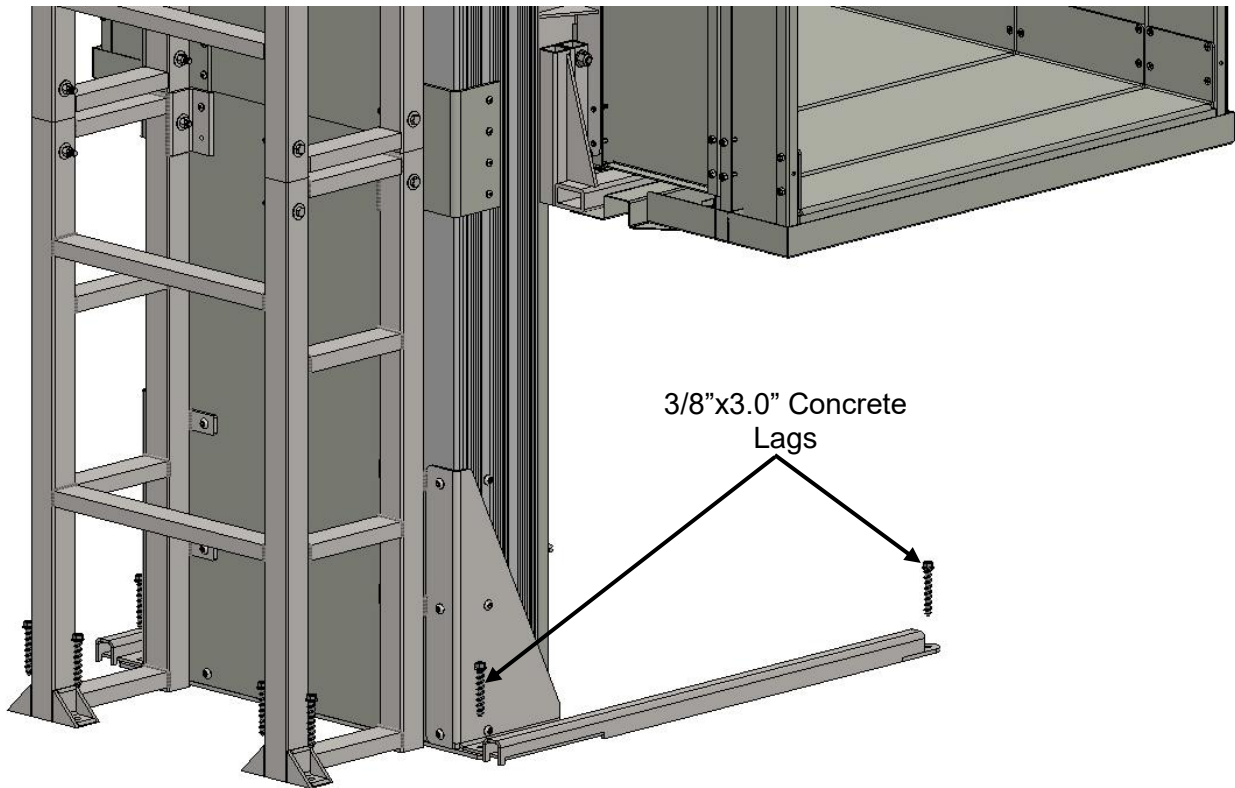


Fold the Ramp up manually until it stops to make sure the Ramp Cam is in the proper location before running the lift down onto the Ramp Actuator.

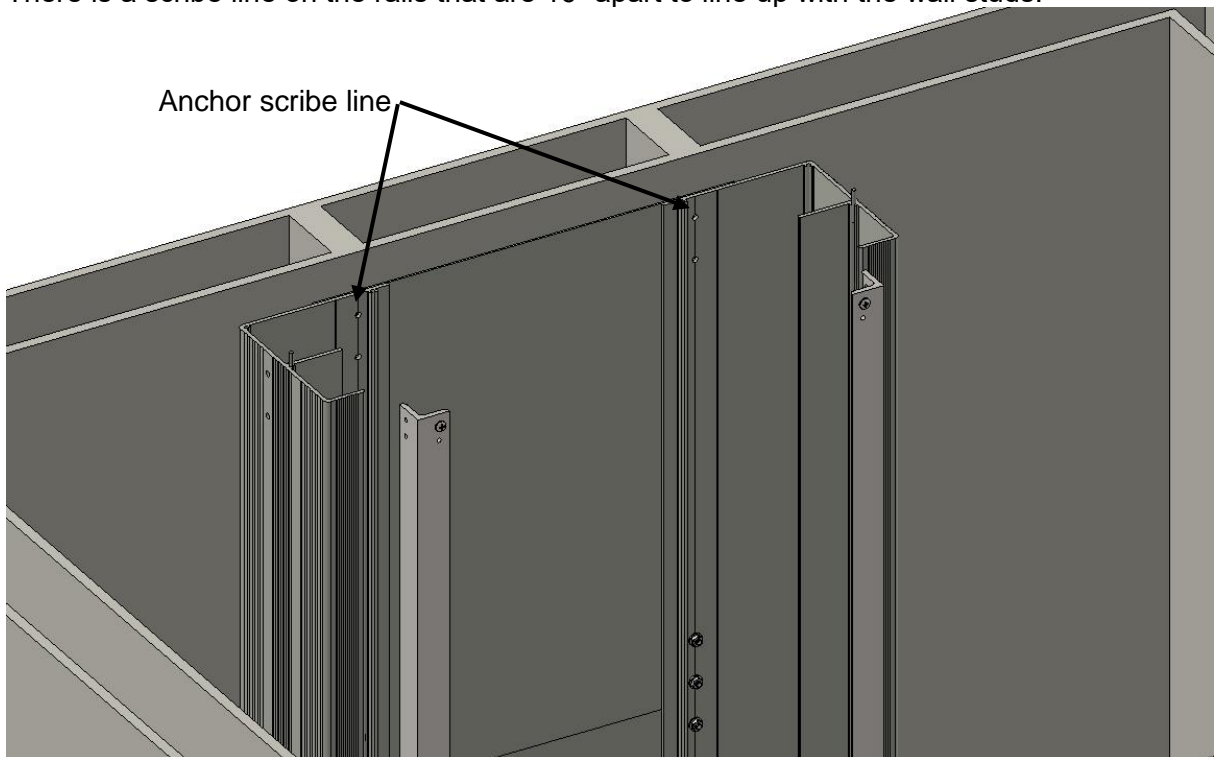


30. Anchoring the Tower.

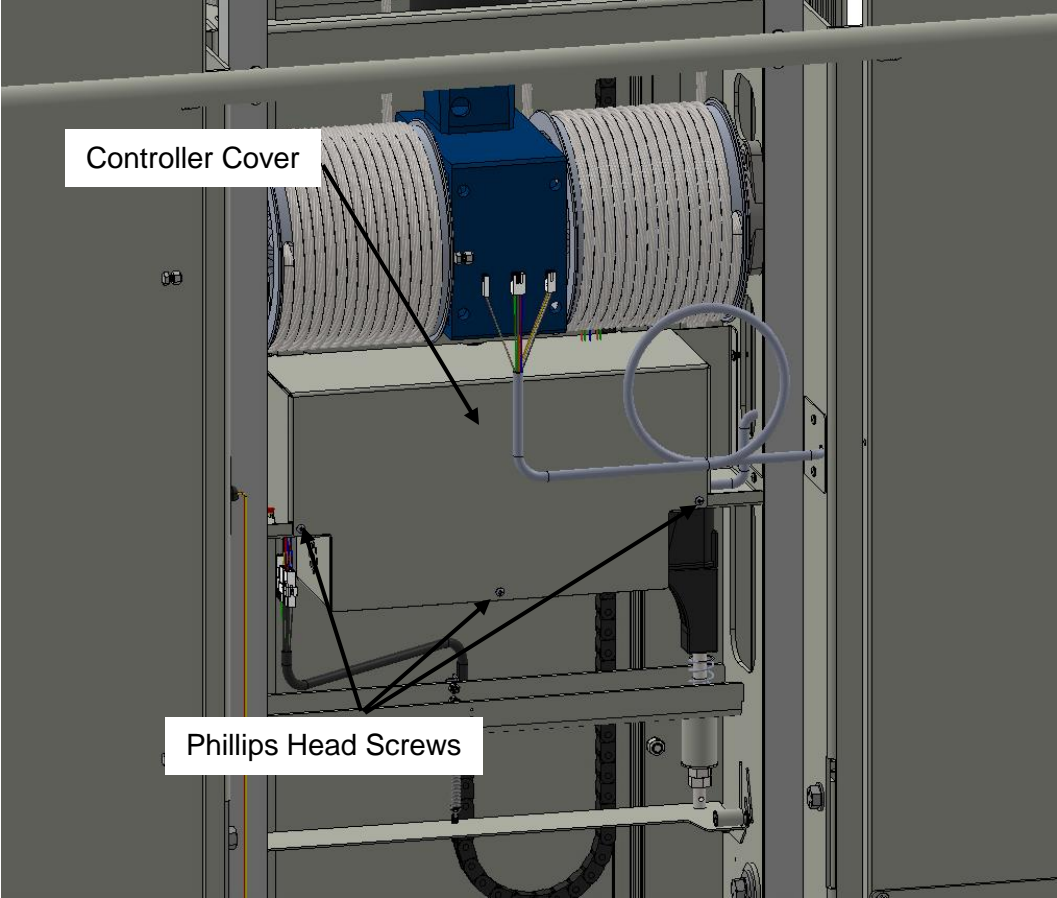
Once it is ensured that the Tower is in the proper location to obtain all desired Platform running clearances, secure the Tower (and optional Support Structure) to the concrete pad.



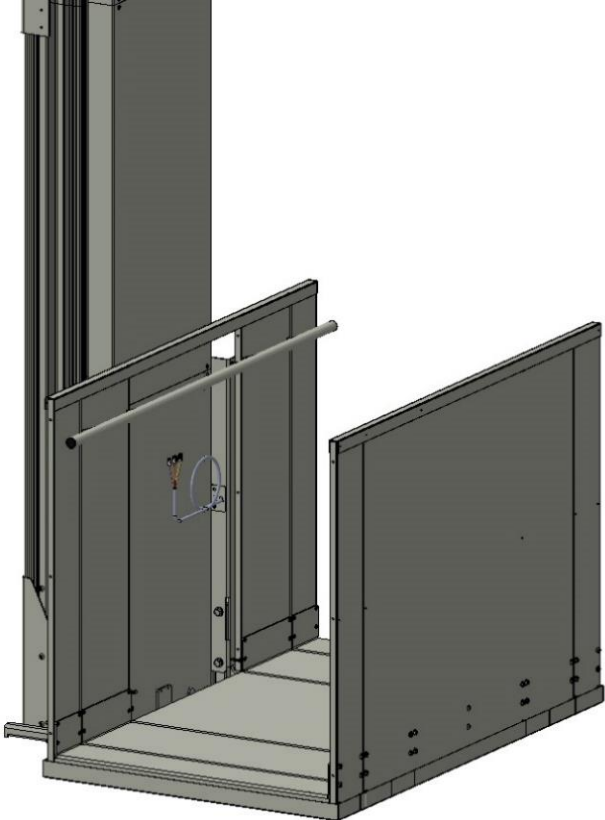
31. If installing against a wall or inside of a shaft, drill holes where needed to anchor into wall studs. There is a scribe line on the rails that are 16" apart to line up with the wall studs.



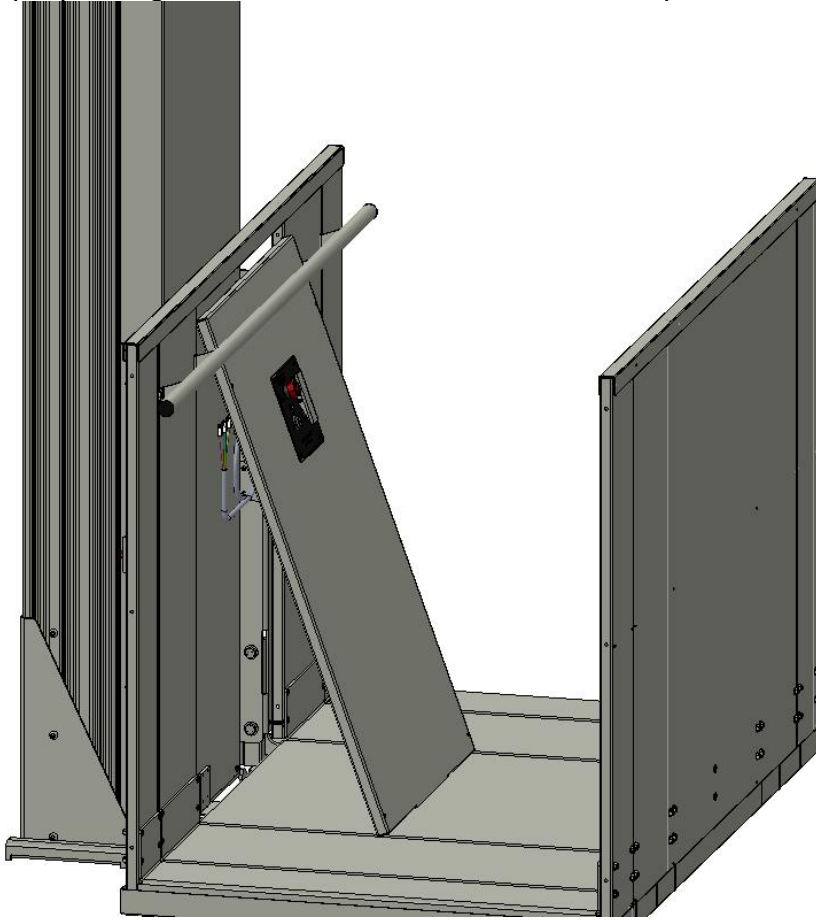
32. Install Battery/Controller Cover.



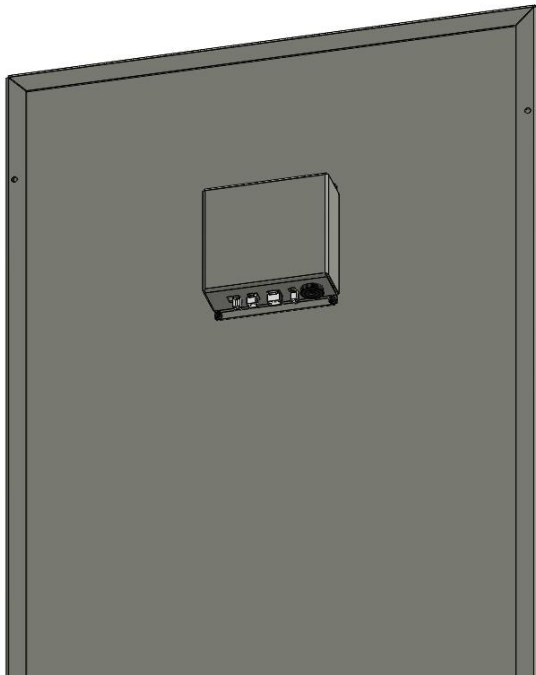
33. Reinstall Tower Front Panels



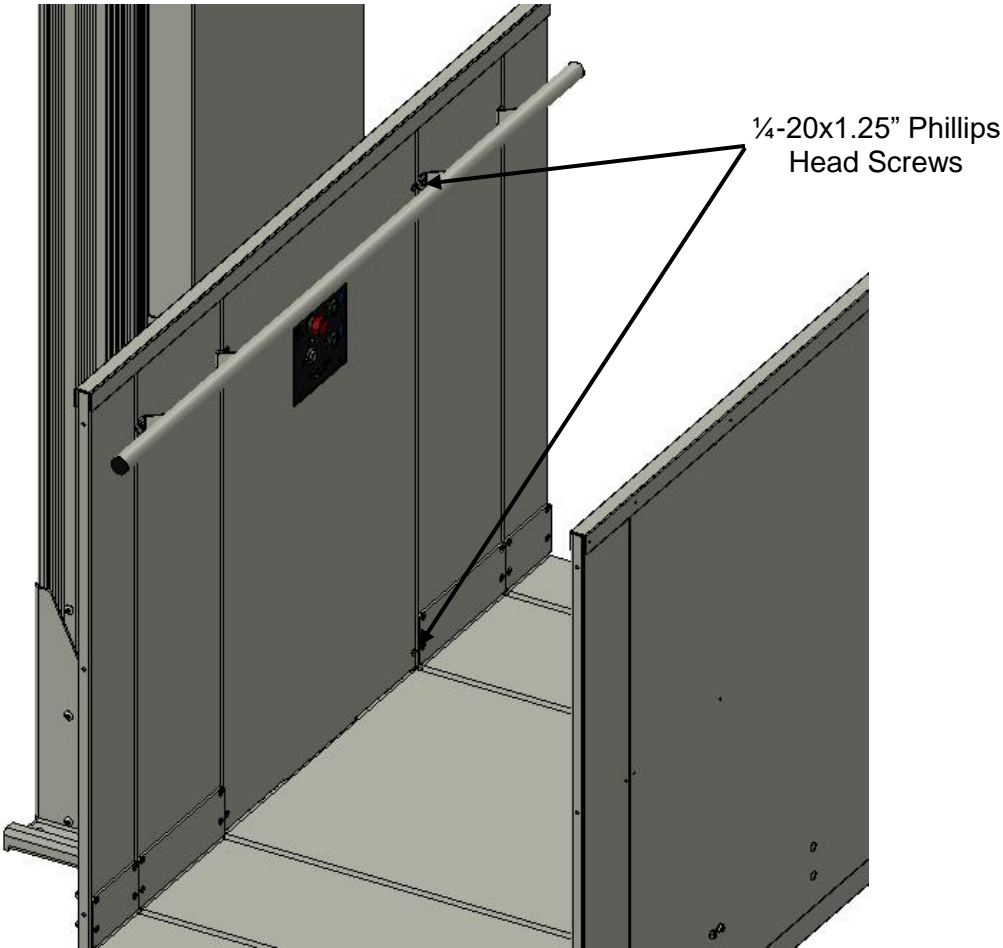
34. Install Platform Operating Panel.
Tip Operating Panel under the Grab Rail and slide up.



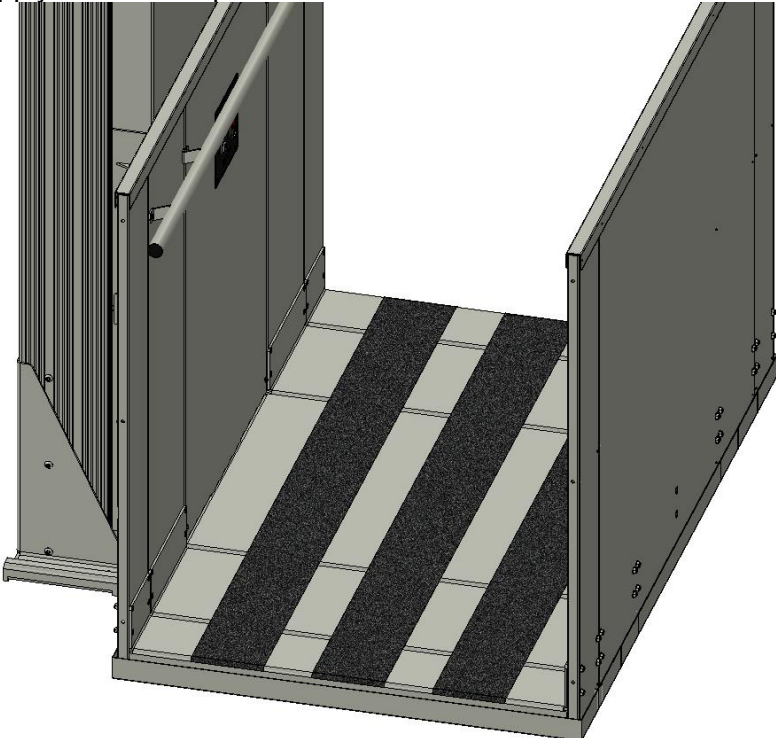
35. Plug in the Operating Panel Harness to the corresponding connectors.



36. Secure with 4 screws

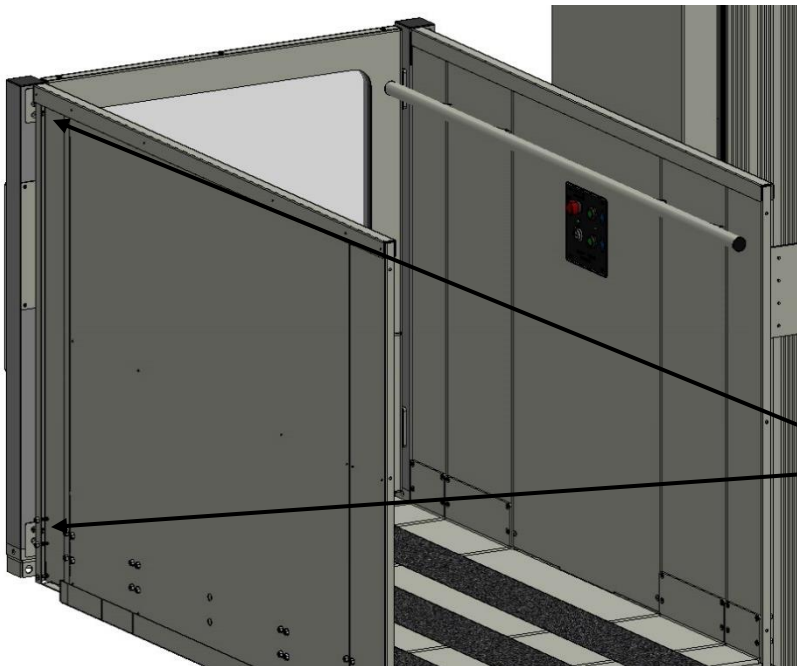
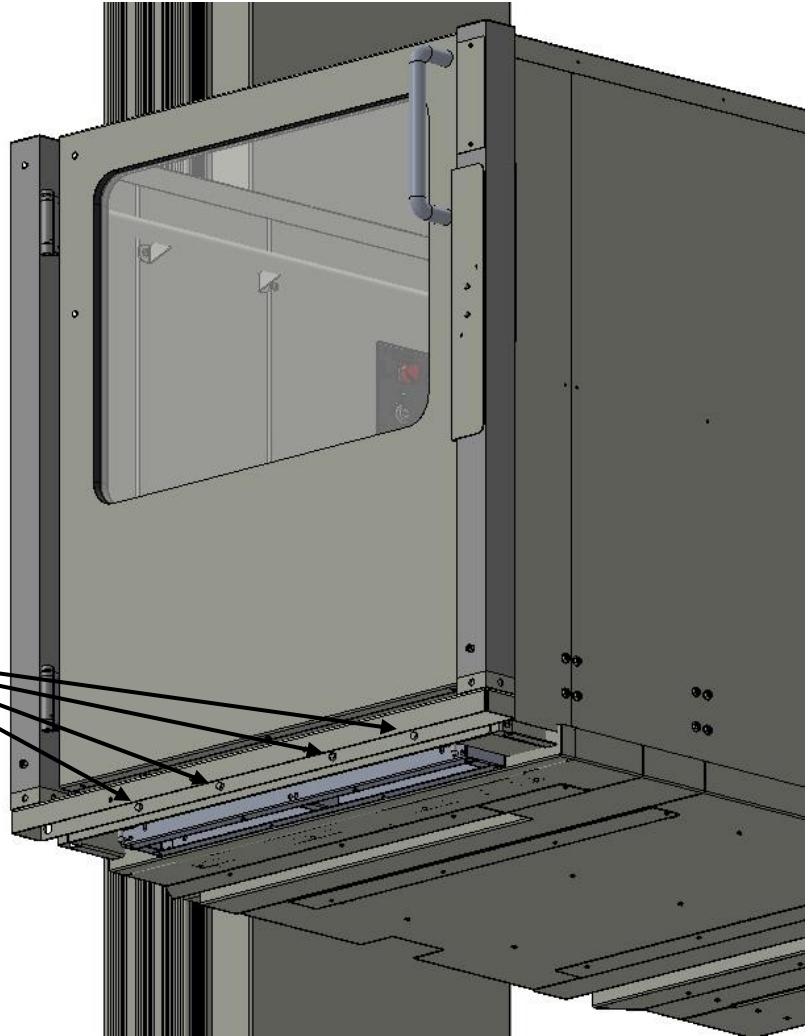


37. Apply Non-skid strips to Platform floor.



38. Optional Platform Gate.
Attach bottom of Platform
Gate frame to the end of
the Platform.

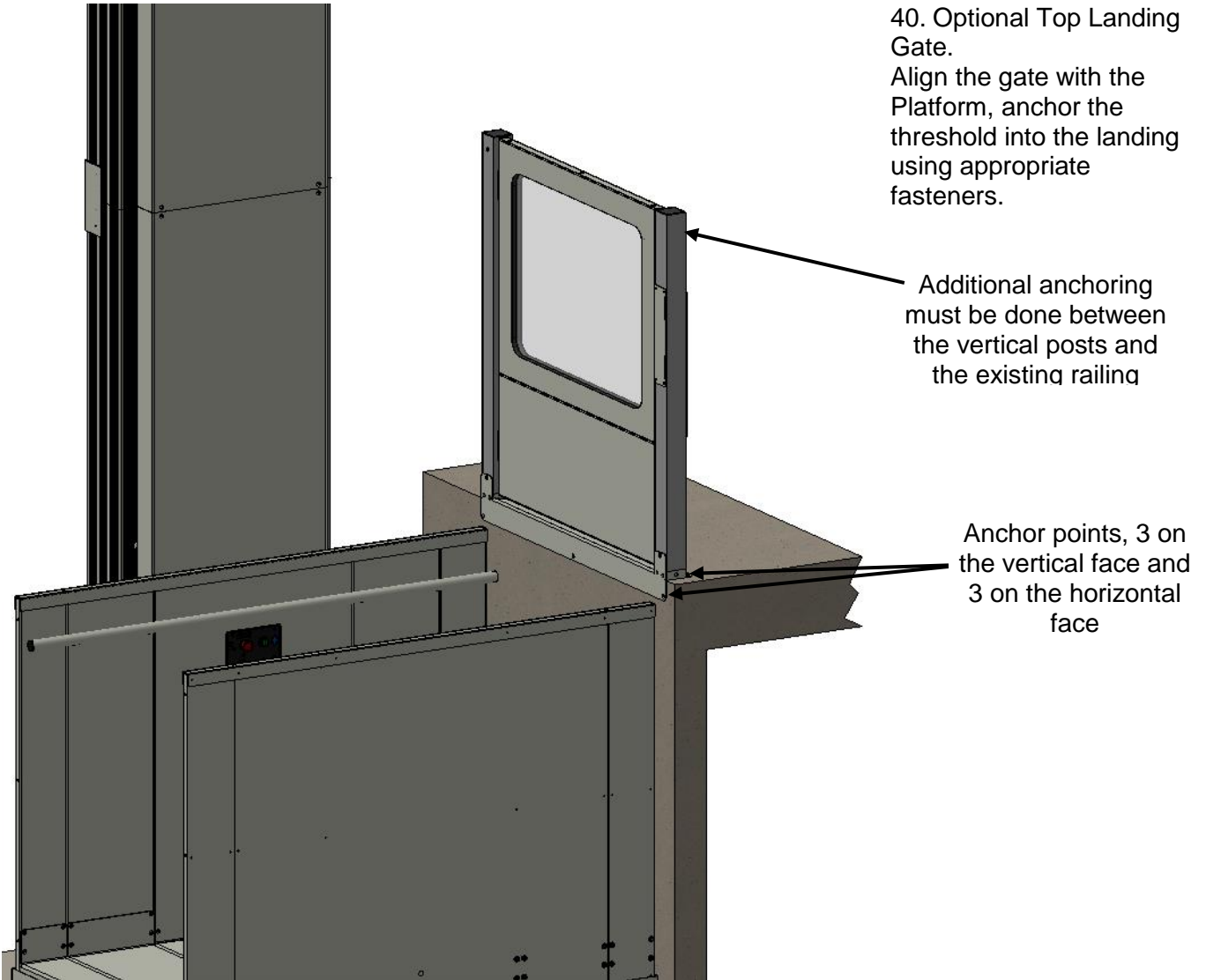
1/4-20x0.75" Hex
Head and Nuts



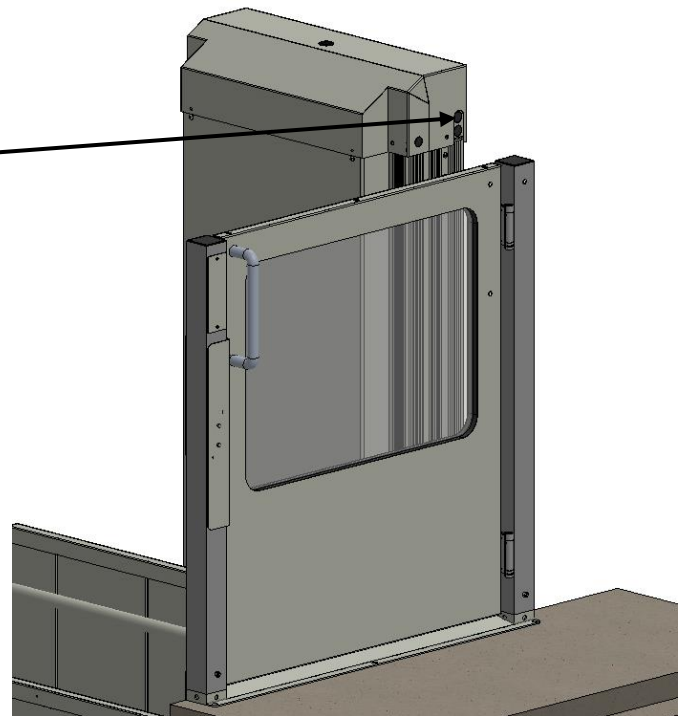
39. Attach the vertical posts of Platform
Gate frame to the Guard Panels.

Plug the Platform Gate harness into the
corresponding plug on the back of the
Platform Operating Panel.

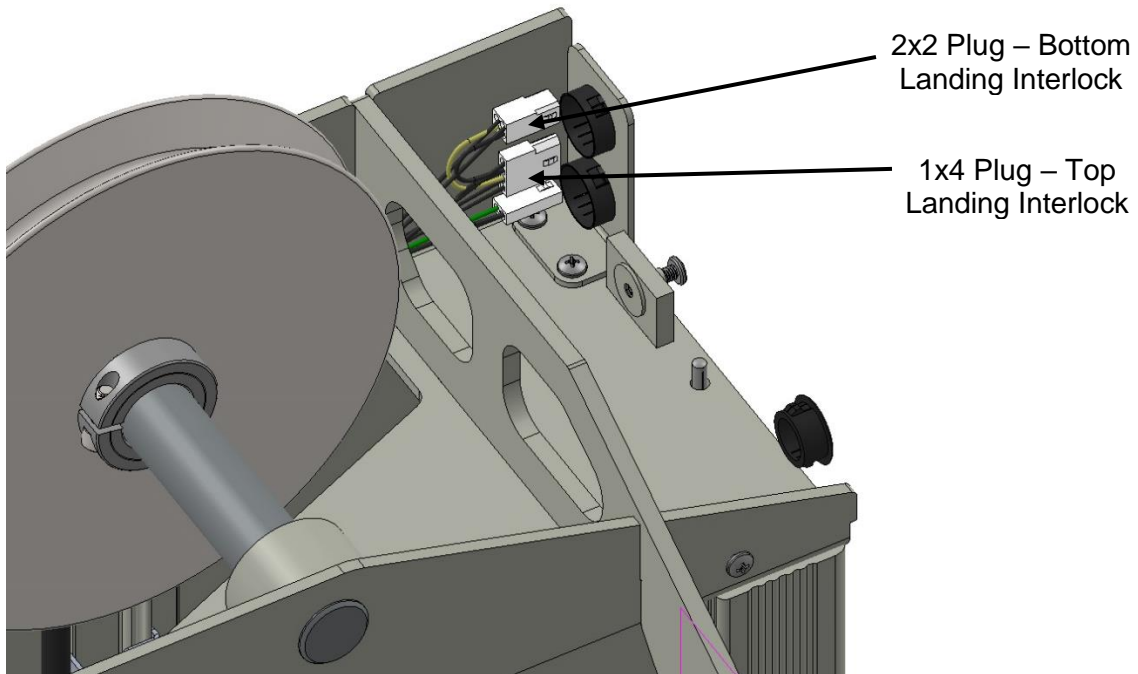
1/4-20 Nuts



41. Route the Interlock Wiring from the Gate to the top of the Tower to one of the Wiring Access Holes. These holes are sized to use 1/2" conduit fittings if required.

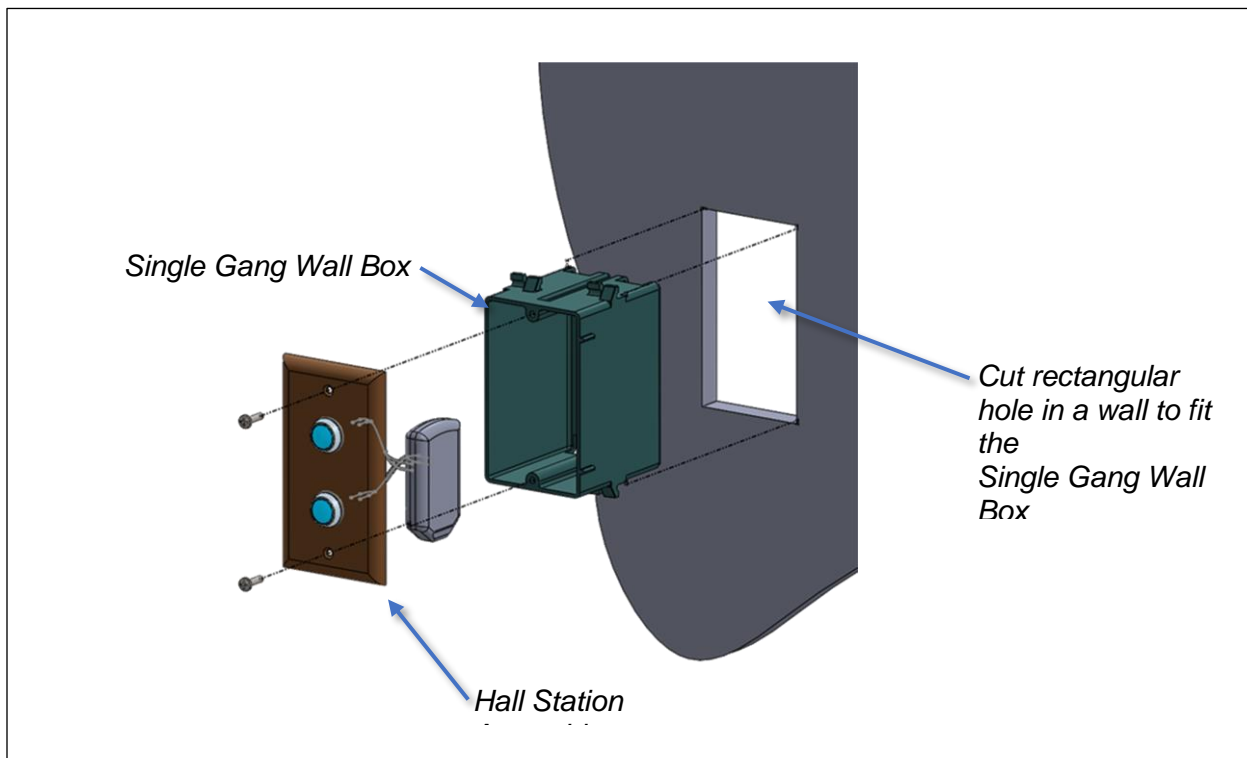


42. Inside the Sheave Header are plugs for Top or Bottom Landing Interlocks.



43. Remote Landing Controls.

Install the Hall Stations at each landing in a location convenient to the customer. A Battery must be installed in each wireless transmitter.



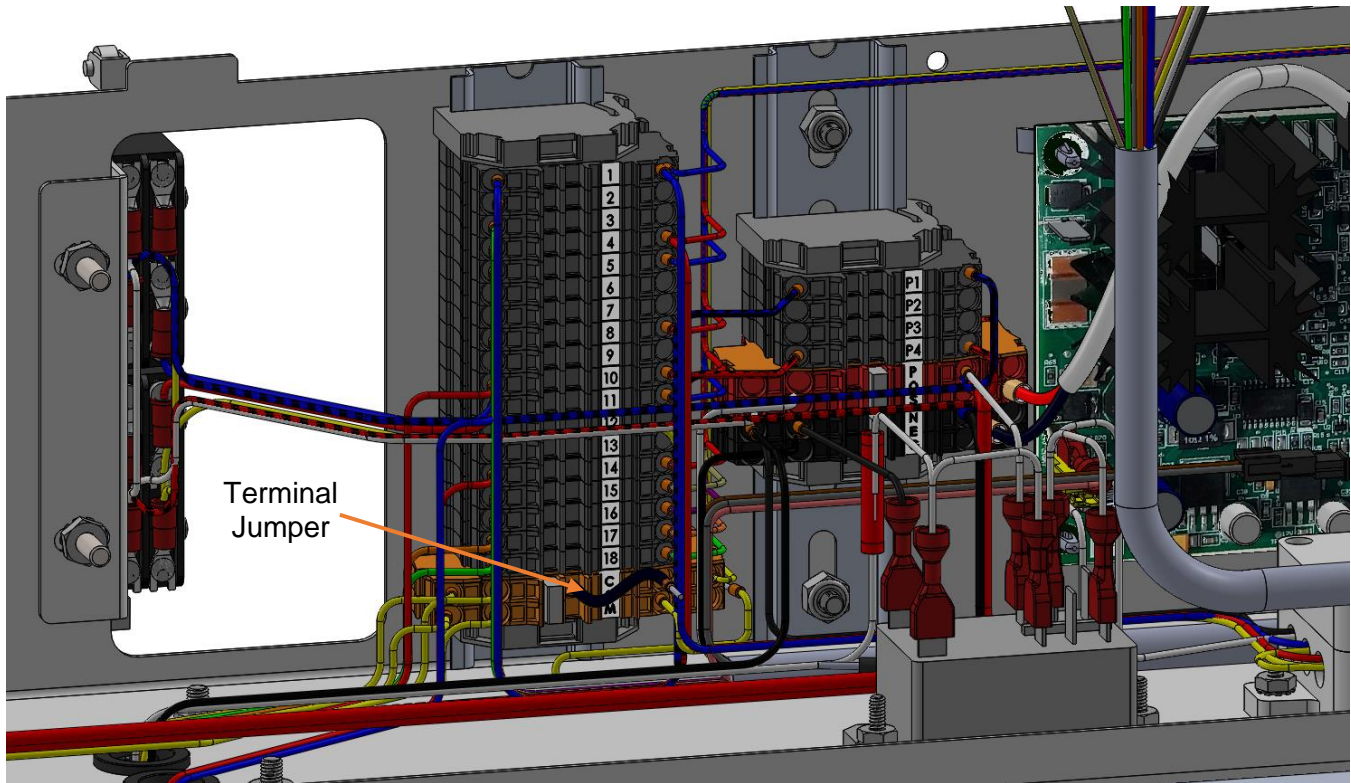
44. Test the lift:

- a. Verify the lift will not run from the Platform Control Panel or Remote Landing Controls when a Platform or Landing Door is not completely closed.
- b. Run the lift to each landing until it stops automatically. Make adjustments to the Limit Cams if necessary.
- c. Verify the Platform or Landing Door(s) is locked when the Platform is not at a landing.
- d. Verify the Landing Door will open at each landing.
- e. While running in the DOWN direction, verify that the Safety Pan (on bottom side of Platform) stops the downward travel. The lift should run in the UP direction when the Safety Pan is engaged.

45. Demonstrate to the customer how to use the elevator and how to use the emergency keys to unlock the interlock(s).

Troubleshooting jumpers:

When troubleshooting, certain features and safety sensors can be jumped out on the Controller Terminal Block. A short black jumper wire is provided connected to the COM terminal.



⚠ WARNING! All jumpers must be removed from the Terminal Block before turning the lift over to the customer.

- 10 – Safety Pan
- 11 – Top Landing Interlock
- 12 – Mid 2 Landing Interlock
- 13 – Mid 1 Landing Interlock
- 14 – Bottom Landing Interlock
- 15 – Platform Gate Interlock
- 16 – Platform Keyswitch and Emergency Stop