

Installation Information 2009 Model 300 Dumbwaiter

<u>Introduction</u>

This new model of Matot Dumbwaiter has several features that we hope you find are beneficial.

Precision extruded rail sections provide a consistent size and shape giving the rail sections very close tolerances for smooth rail joints.

Self aligning splices, the design of the clamp brackets automatically align the rails at all of the splice points.

Traveling cable length provided to run completely back to the controller, no more mid point connections.

Slack Cable, Finals, and Normal stopping switches are all located on the car and are connected through the traveling cable. Hoistway wiring of these devices is no longer required. Only the machine, pushbuttons and Interlocks have to be "wired" in the field.

Temporary Run Control is built into the controller. A few quick connections along with a run station and you can move that car up and down the hoistway for setting doors, verifying switch function, and locating floor targets.

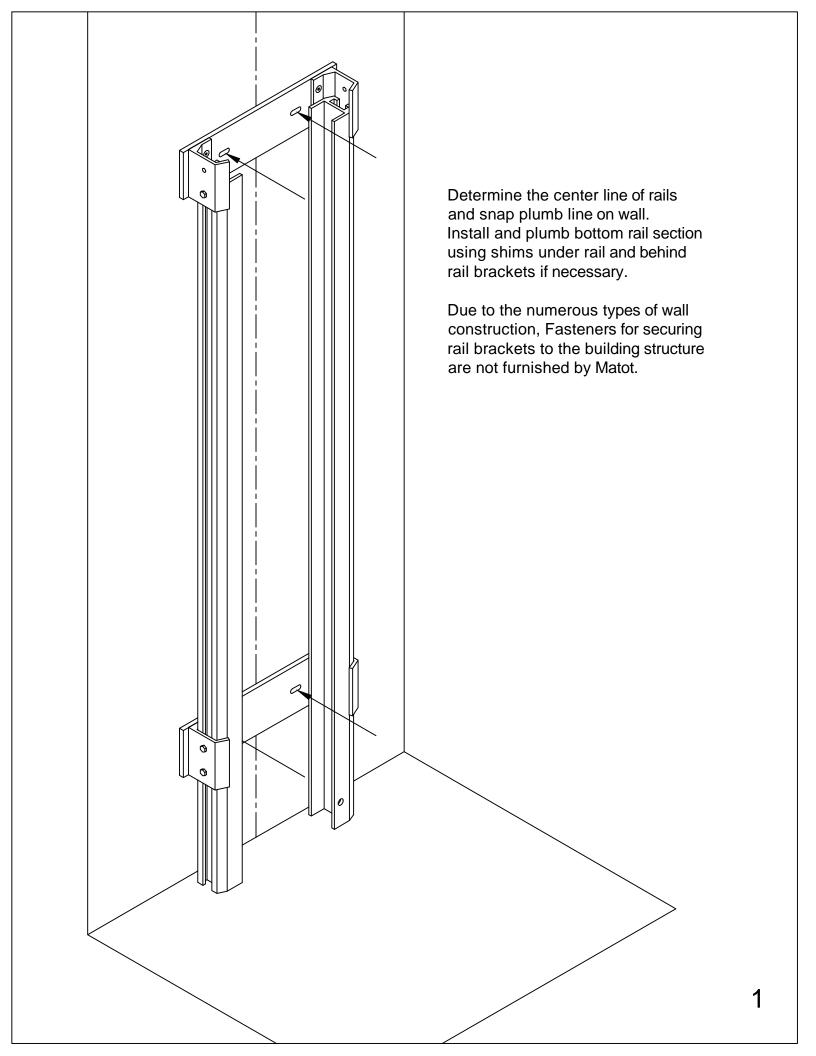
VF motor control is standard, the smooth starts and stops not only give more accurate stopping levels, it also increases the life expectancy of the equipment.

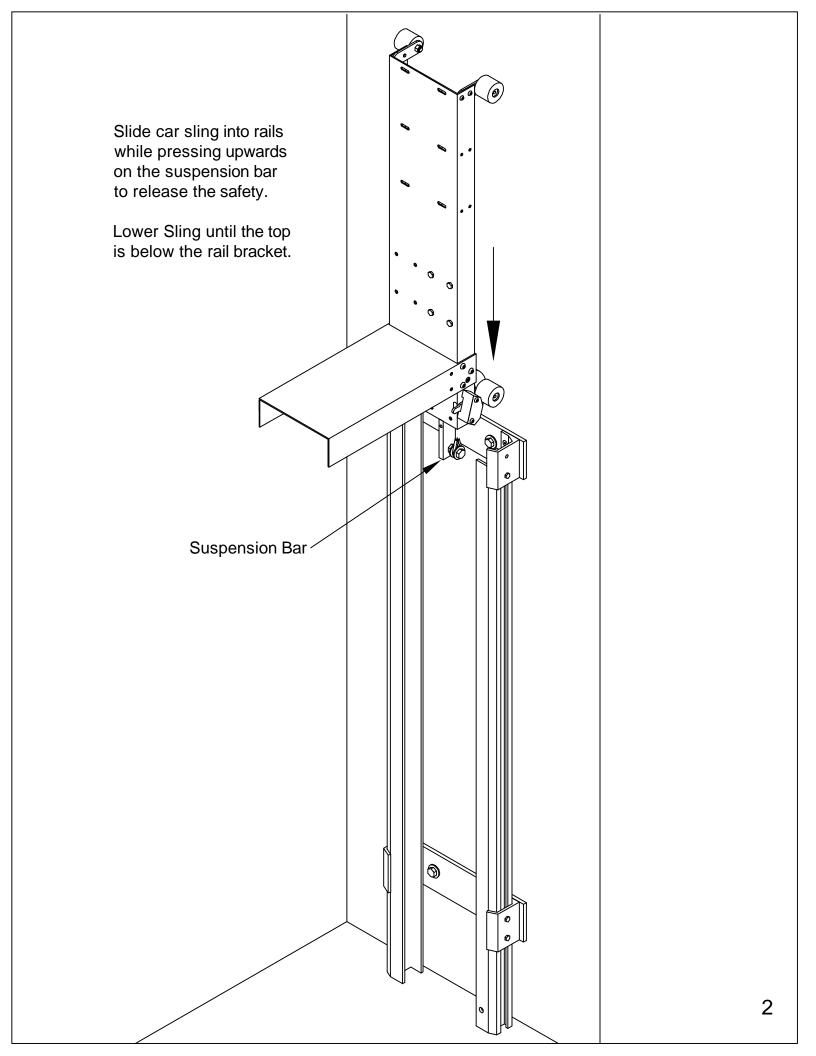
Getting Started

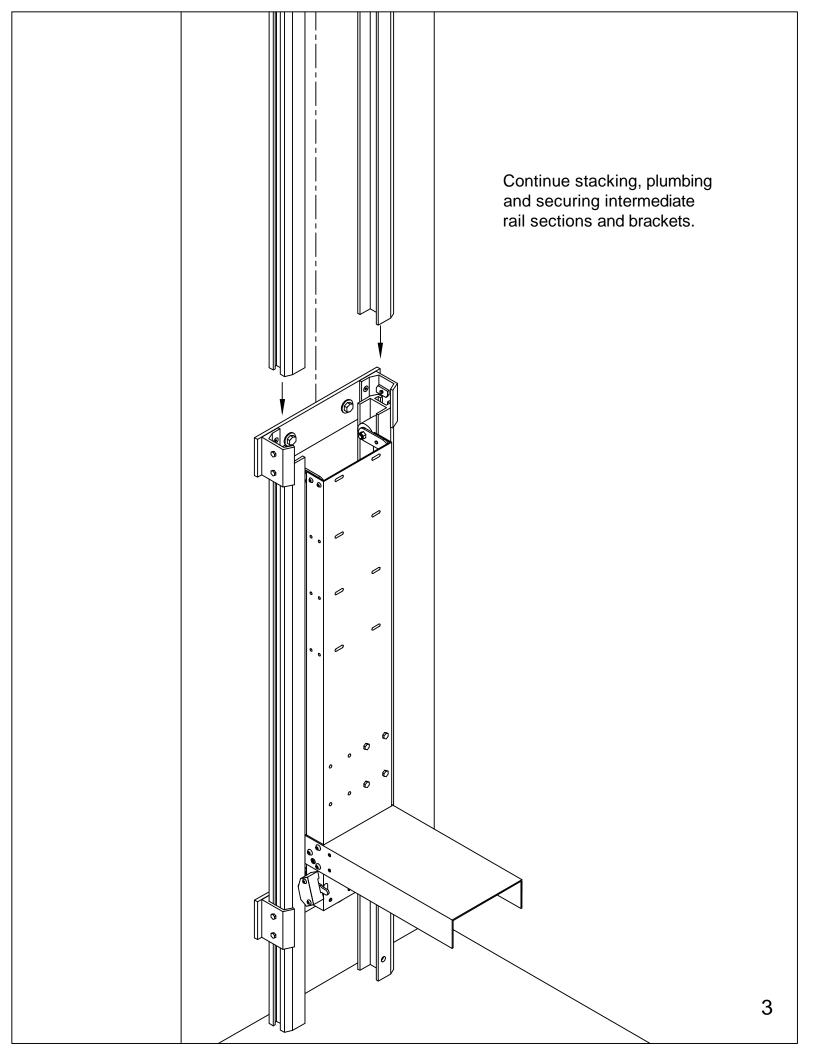
If the dumbwaiter travels through more than one floor, the smallest floor opening must be used in plumbing the hoistway.

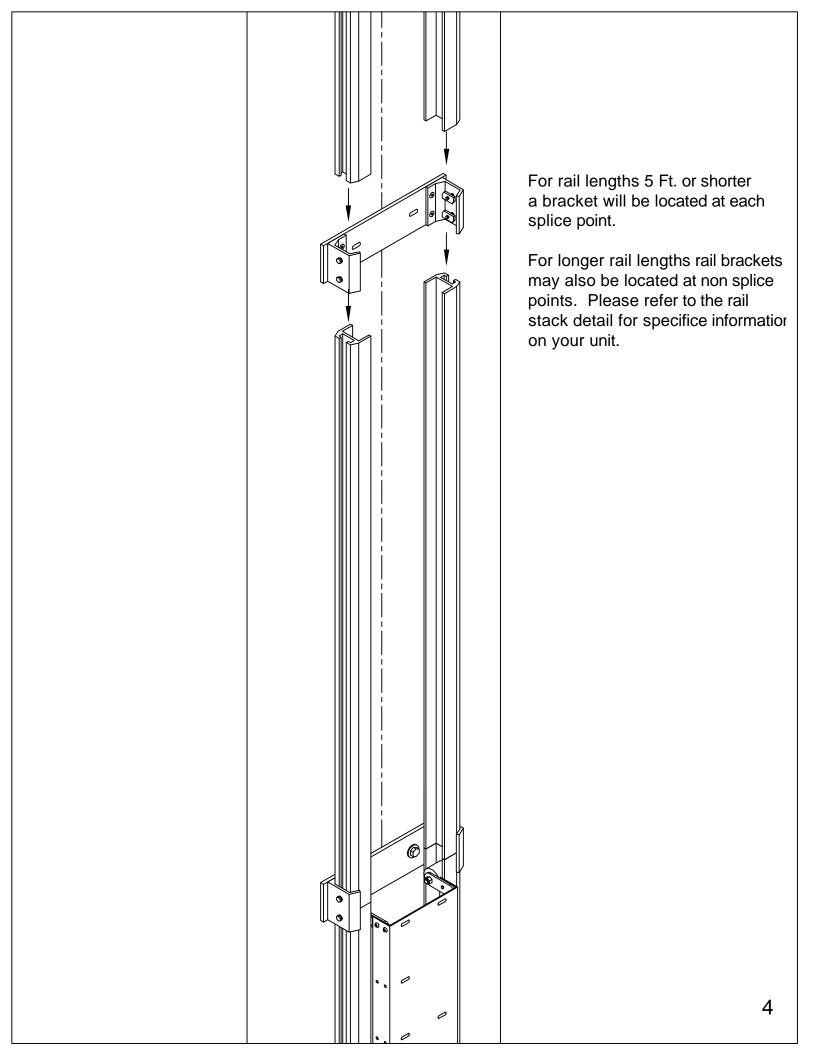
Find out from the Contractor or Builder where the hoistway doors are to be placed. Also find out if door wall must coordinate with other building walls, as this could affect the entire hoistway. Contractor or Builder should provide benchmarks to indicate wall location and finished floor height.

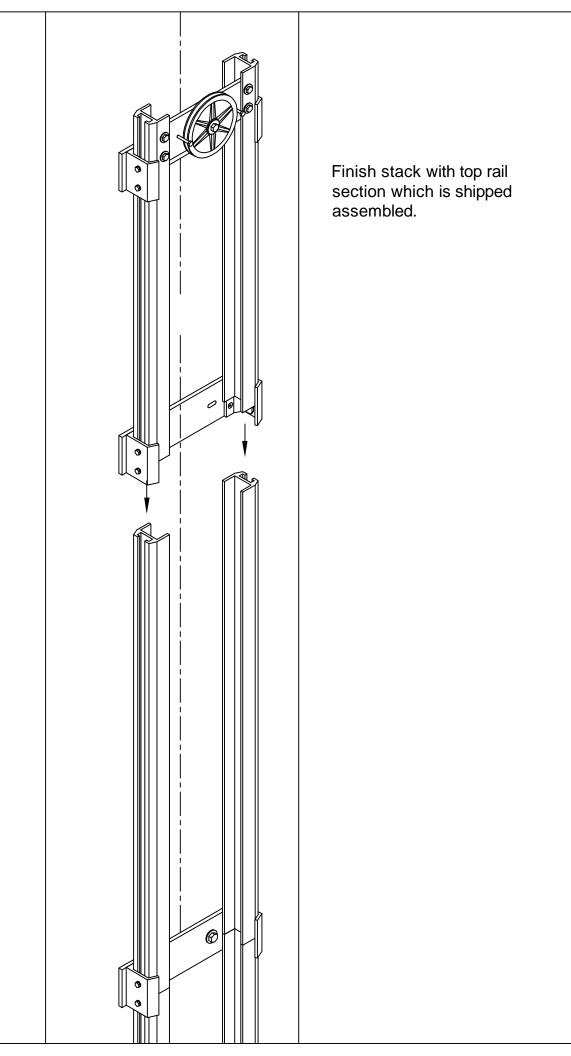
The controls for this unit include a VF drive that has been programmed at the Matot factory for proper operation. If you have trouble running in the temporary run mode, **DO NOT ATTEMPT TO ADJUST OR MODIFY THE DRIVE SETTINGS!** Call the factory for assistance. 1-800-369-1070 extension 321 or 308

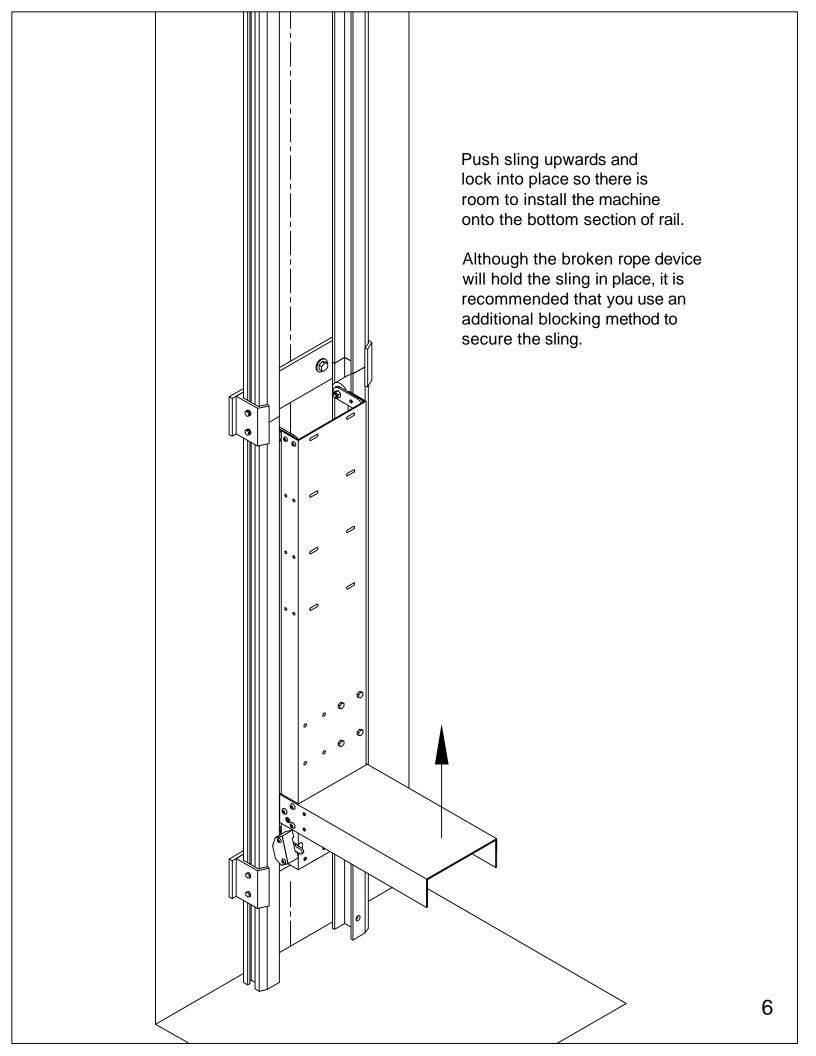


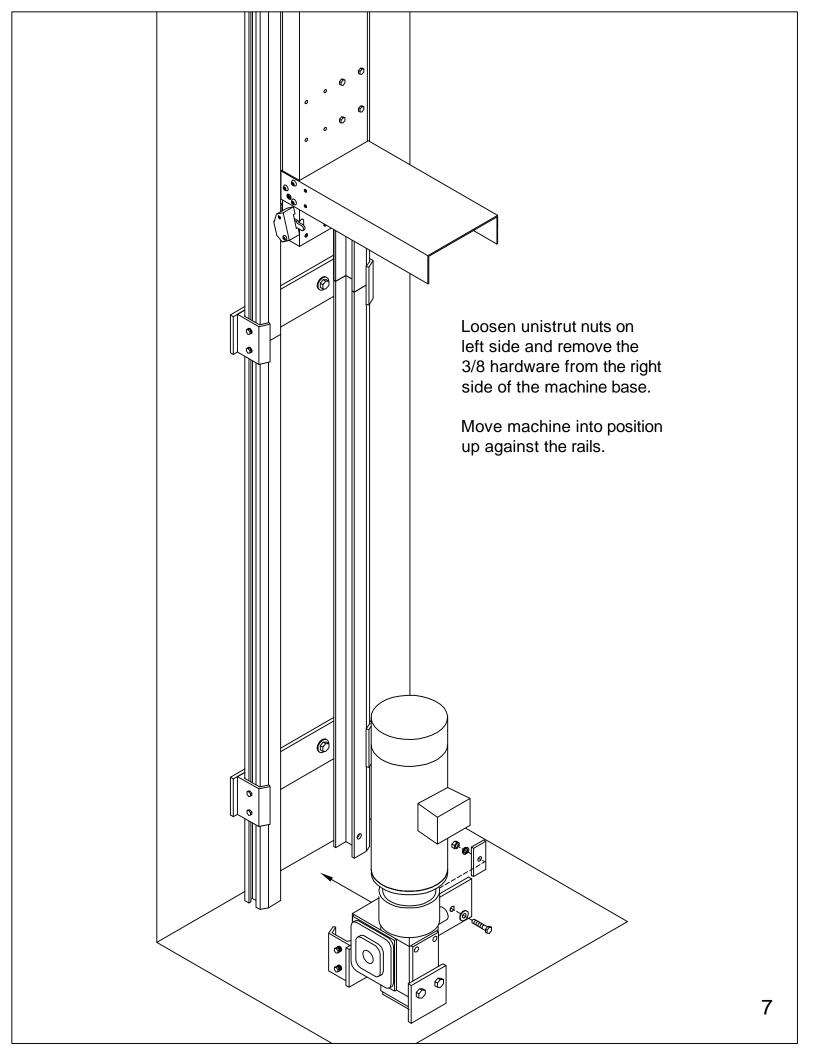


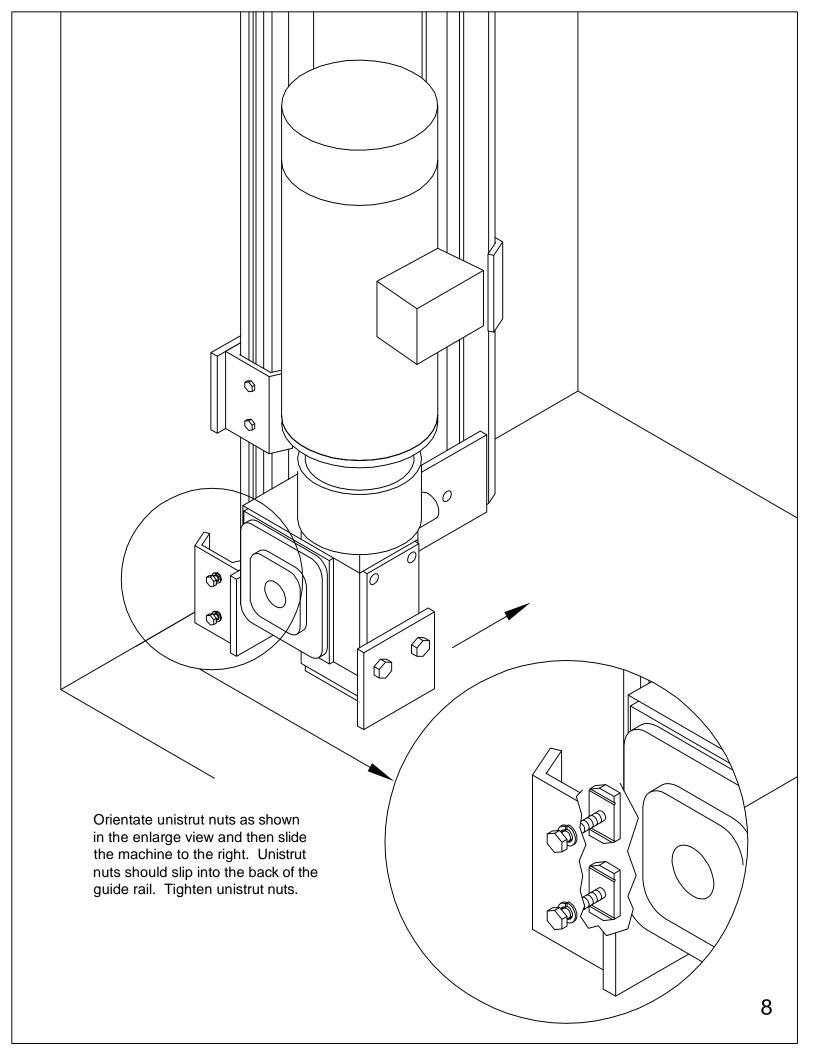


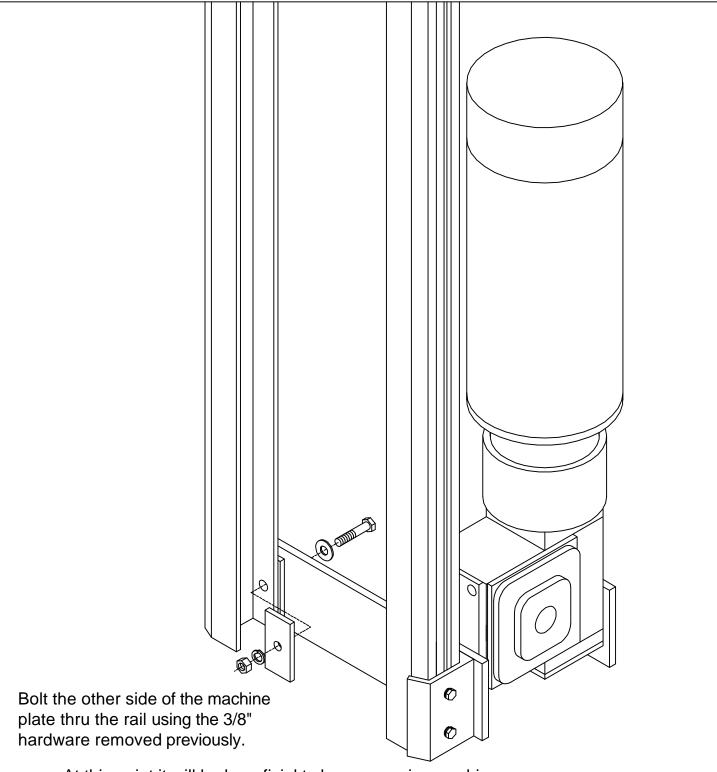












At this point it will be beneficial to have a running machine. Refer to final details and mount Controller in the location shown.

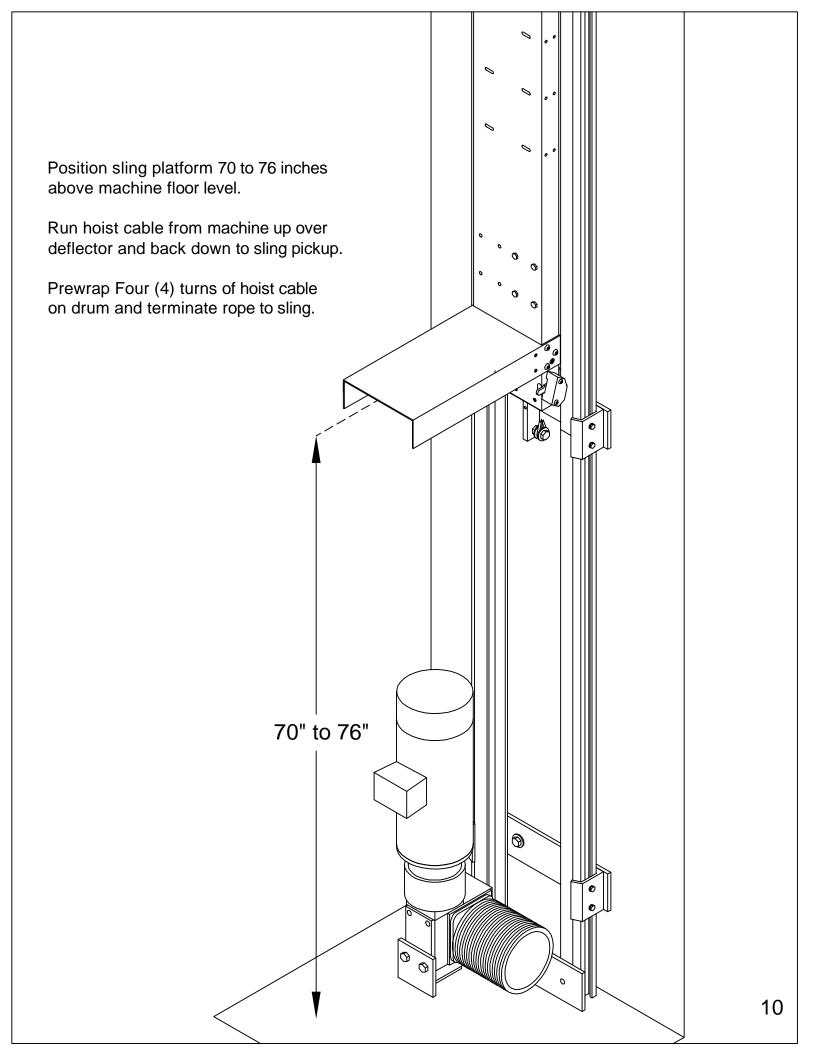
Refer to your Electrical drawings and connect power to Controller.

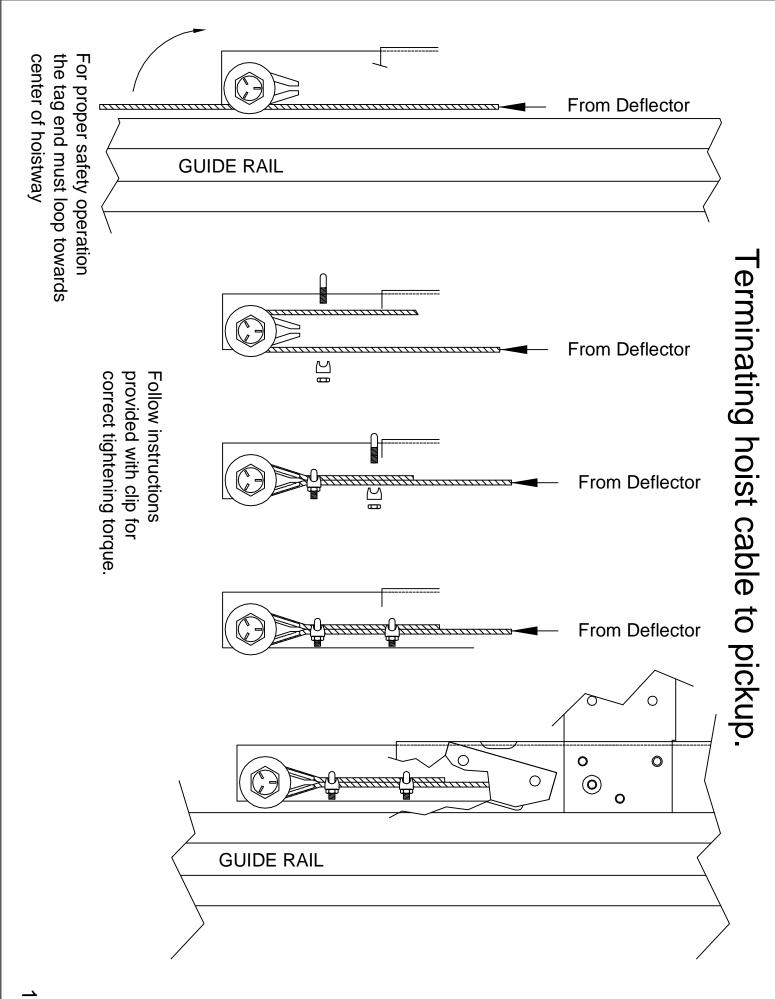
Make the electrical connections from the machine to the Controller.

The Controller has provisions for using a temporary run station.

Install temporary jumpers from 22 to input 0 and 1.

Move the "Temp Run" toggle switch to the on position and connect your run station. The machine can then be operated by constant pressure operation. Note: The machine will run in leveling speed when using this feature.

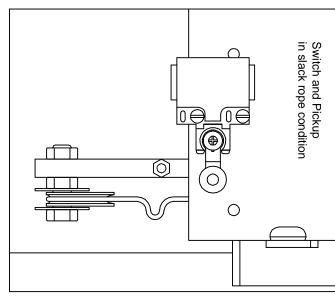


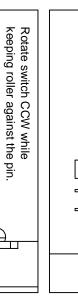


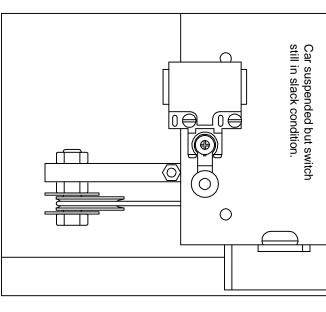
Resetting Slack Cable Switch

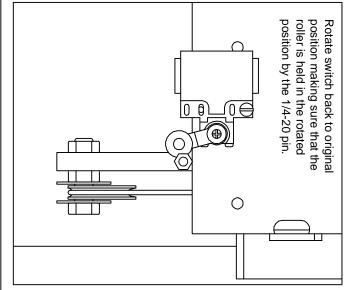
Remove lower screw holding switch and rotate until roller is below the

1/4-20 holding pin.

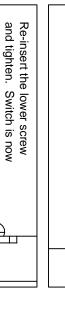






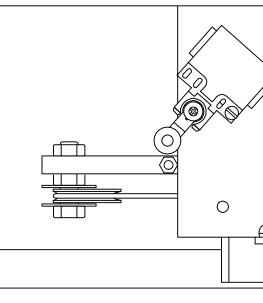


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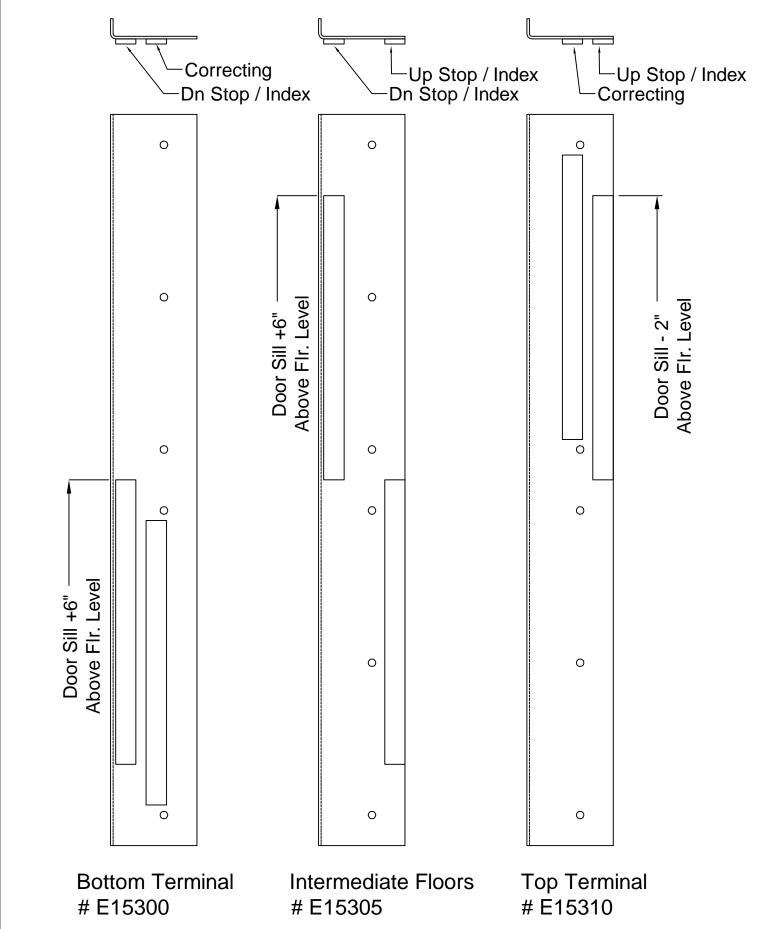


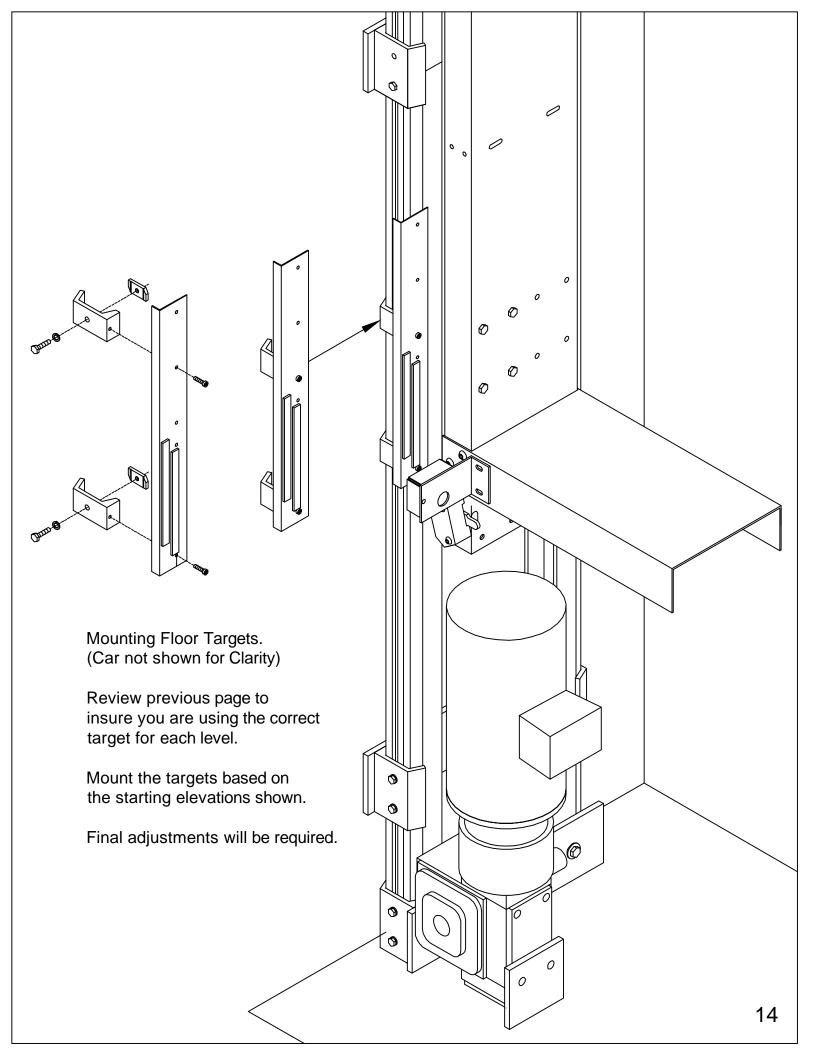
in the run condition.

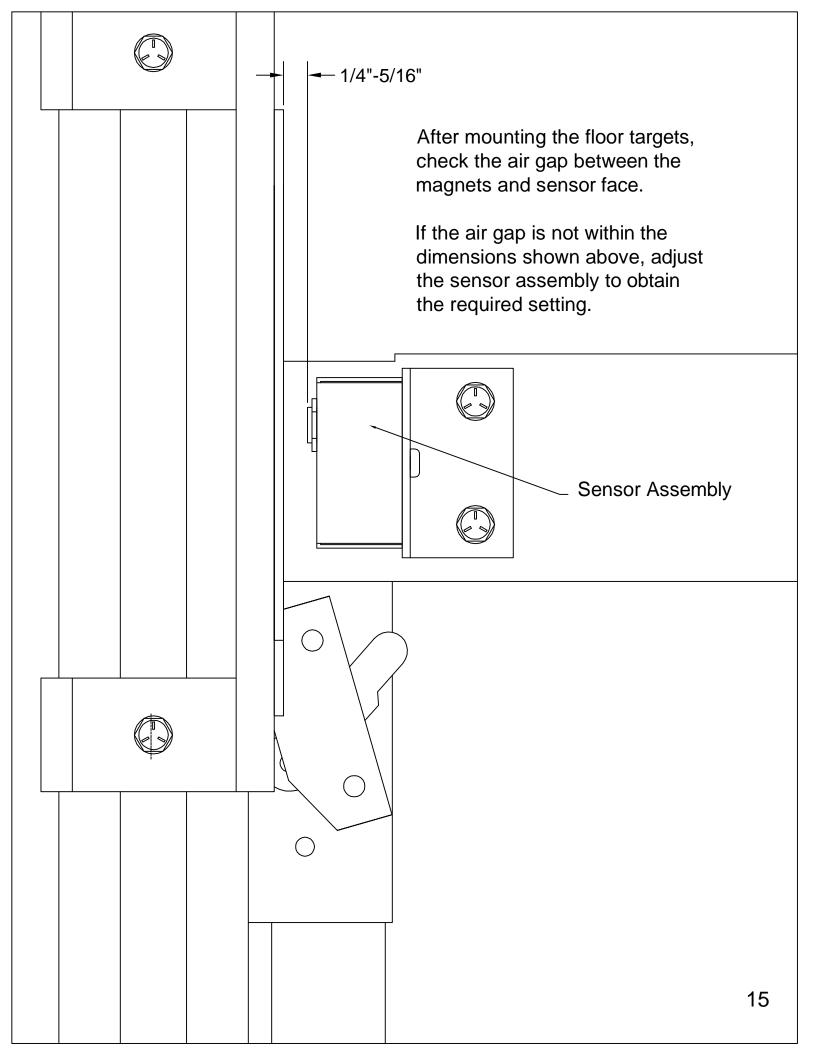
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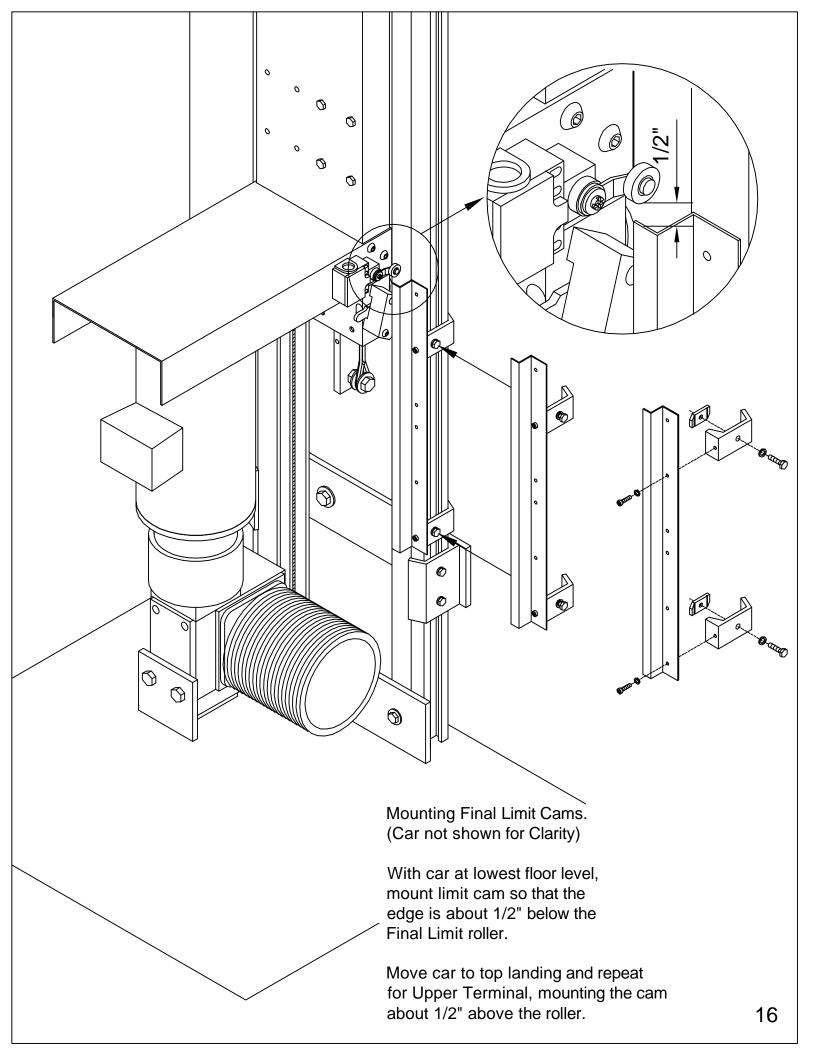


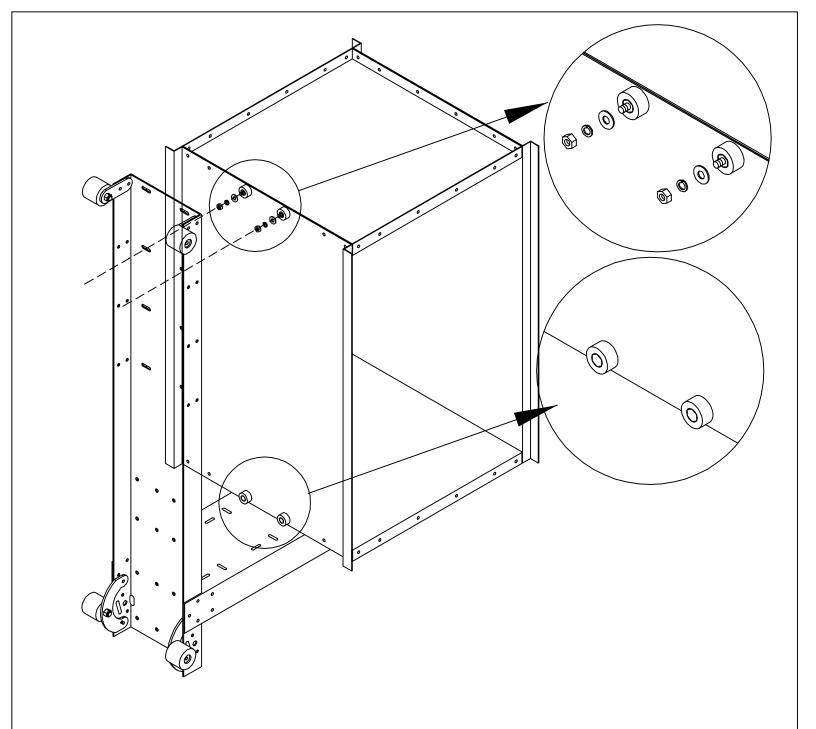
Floor Targets & Starting Locations







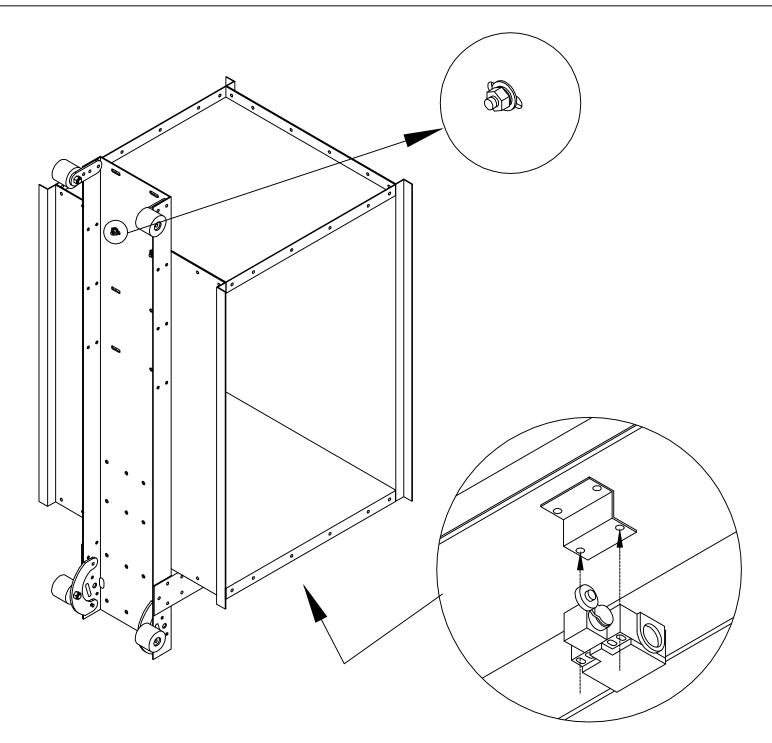




Mounting Car to Sling (Rails, etc., not shown for clarity)

The side of the car that is to be mounted against the sling has been predetermined in the factory. This side contains spacers and studed spacers for alignment and connecting the top of the car to the sling.

Remove a nut, lockwasher, and flat washer from each of the top connection points. Place car on the sling and push it against the sling, making sure that the two upper studs line up with the slots provided. Replace the nut and washers and hand tighten them at this time. Fully tighten after the final car placement has been determined and the car platform has been securred to the sling.



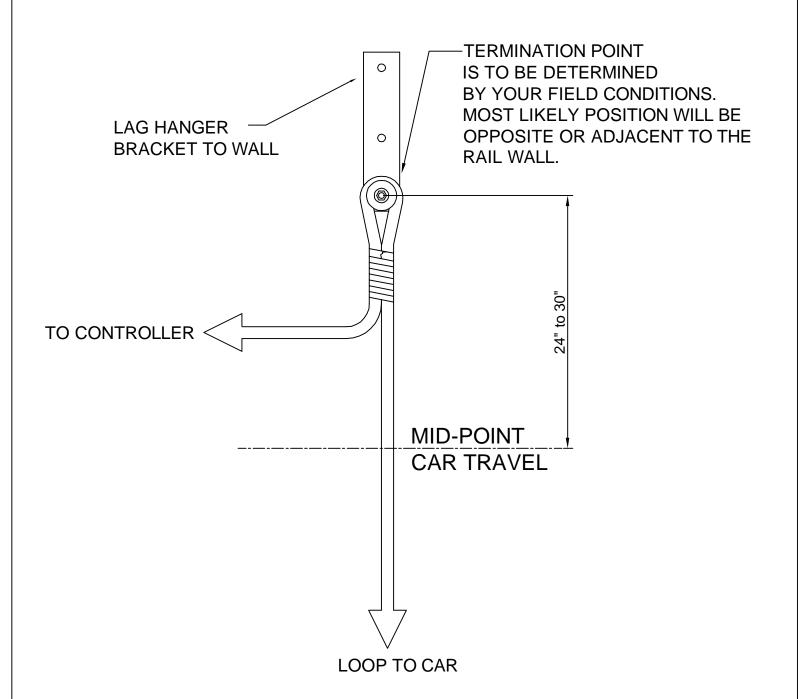
Position car on sling for correct alignment and clearances to openings. Refer to your final layout drawings for this information.

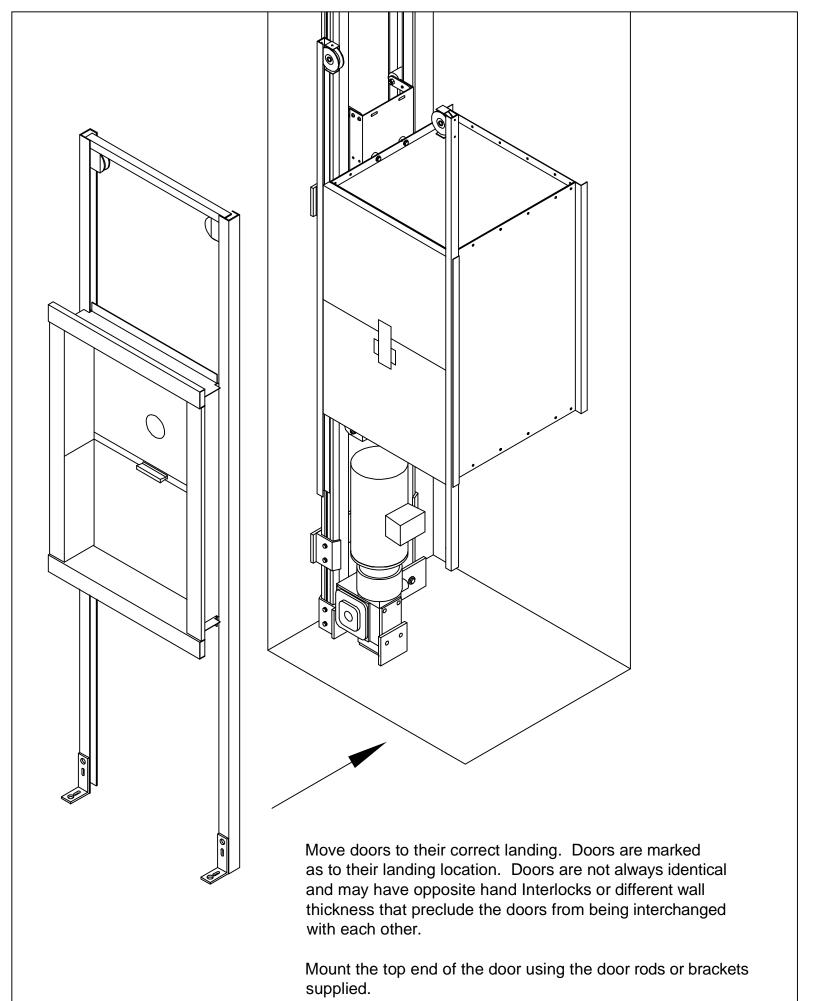
With car properly positioned, secure the platform to the sling using the wood screws and flatwashers provided. Matot suggest using at least 4 connection points into the platform.

Making sure that the car is plumb and square, tighten the two top connections from the car to the sling.

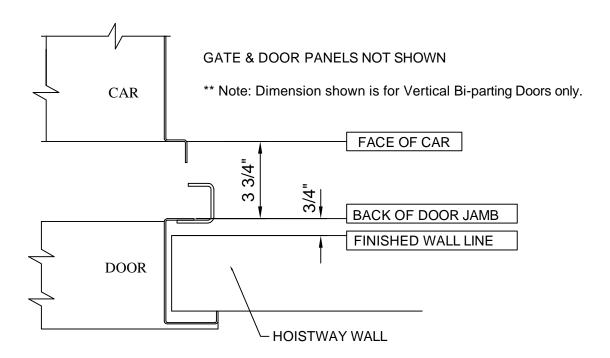
Remove the gate switch(es) from shipping strap(s) and connect to the Z-bracket located on the bottom of the car platform.

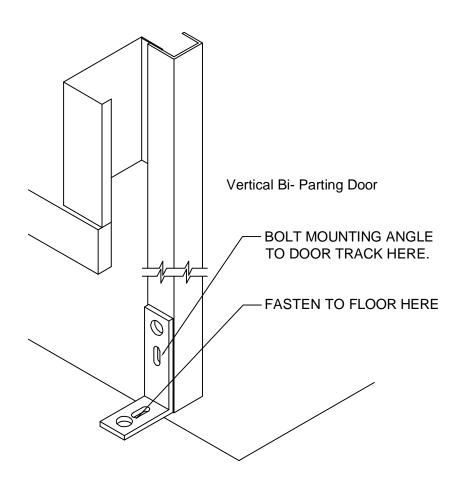
Traveling Cable Termination



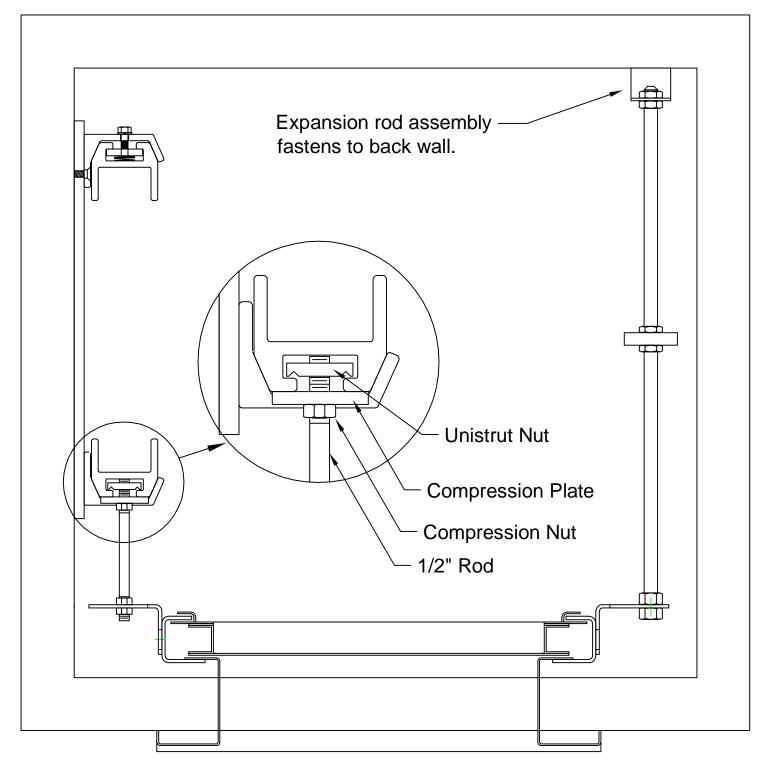


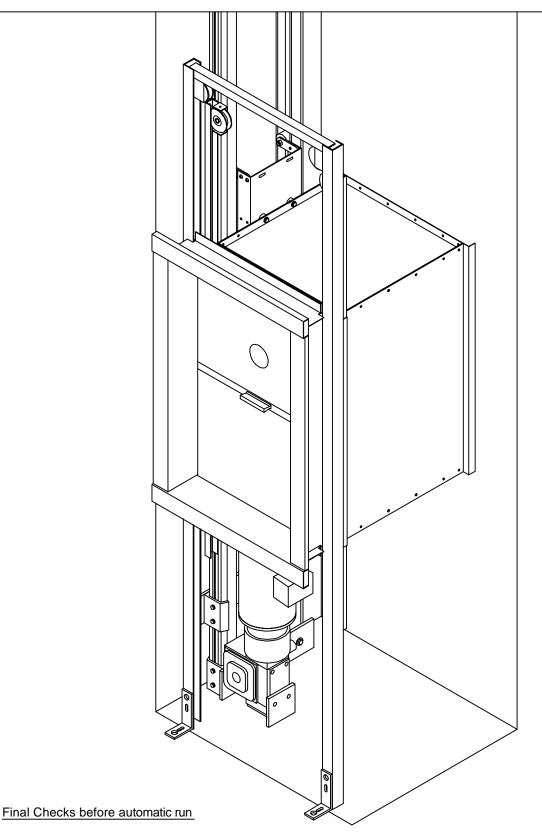
Vertical Bi- Parting Door setting dimensions.





Top of Door connection (Rail wall adjacent to Door)





Verify that all limit switches are functioning correctly.

Verify that all door interlocks and access door switch are functioning correctly.

Check cable terminations.

Check for proper winding of cable on drums.

Check traveling cable to ensure a smooth loop. Check for any possible snag points.

Check operation of slack cable / safety switch device.