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DOOR COMPANY

INSTALLATION GUIDELINES FOR VERTICAL LIFTS WITH COUNTERWEIGHTS

BEFORE YOU INSTALL YOUR FRANK DOOR, PLEASE REVIEW THESE BASIC GUIDELINES

INSTALLATION SHOULD BE PERFORMED BY A PROFESSIONAL OVERHEAD DOOR INSTALLATION COMPANY

1. All doors must be installed on plumb walls. Any walls out of plumb will require that the door frames be shimmed back to plumb. All door frames must be installed plumb and square to insure proper operation and warranty.
2. All headers and side casings should be bolted through the wall that they are installed on.
3. Doors mounted on insulated panels should have backup headers and side casings to help strengthen the opening.
4. Doors mounted on very tall panel walls will require support steel to be added to the wall around the door opening. Support steel, if required, is to be supplied and specified by others.
5. Check that the inside of the steel vertical tracks are free of any debris that may impede the travel of the wheel assemblies *before* operating door.
6. The exterior and interior edges of headers and side casings should be caulked with silicone to prevent any moisture migration behind the components that may cause frost or sweating.

POWER OPERATED VERTICALS

UNDER NO CIRCUMSTANCES SHOULD ANY CHANGES BE MADE TO THE WIRING OF THE OPERATOR OR THE DOOR. IF THERE ARE ANY QUESTIONS, ALWAYS CONTACT FRANK DOOR. FAILURE TO DO SO WILL VOID THE DOOR'S WARRANTY.

1. Always consult and comply with all local electrical codes. Ensure that the licensed electrician is aware of the voltage and amperage requirements of the door and uses the proper size wire and power supply. ***All freezer doors should be supplied with an uninterrupted and separate power supply for the anti-frost heaters.***
2. Overhead pull switches which activate the power operator should be positioned far enough away from the door opening to allow the door to be in the full open position before any vehicle arrives at the opening. Doing so will help prevent damage to the door panel.

INSTALLATION PROCEDURE FOR VERTICALS

01. Check & inspect all crates for damage. The freight company is responsible for any damage. The purchaser should file claims with the freight company immediately.
02. ALL DOORS & DOOR FRAMES MUST BE INSTALLED PLUMB & SQUARE TO ENSURE PROPER OPERATION & WARRANTY VALIDATION. Verify that walls are plumb. Any walls out of plumb will require that the door frames be shimmed back to plumb.
03. After it has been established that walls are plumb, the installation of side casings, header & door can begin.
04. Place casings by the door opening parallel to and even with its edge. Ensure that the distance between them is equal to the specified width in (WIC).
05. Use carriage bolts supplied to fasten the casings to the wall. Drill 3/8" diameter holes through the casing, insulated box wall and backup casings (if applicable). Install bolts (minimum of three) and loosely tighten nuts onto through bolts.
06. Lift the middle header assembly above the opening & in between the installed casings. Ensure that the distance from the floor to the bottom of the header is approximately equal to the specified height in clear (HIC).
07. Drill 3/8" diameter holes through the header, insulated box wall and backup header (if applicable). Install bolts (minimum of six) and loosely tighten nuts onto through bolts.
Note: Carriage bolts should be installed approximately every 30" for both middle header and casings.

08. Check header and casings for plumb and common plane. If necessary, loosen bolts and add shim(s) as required. Caulk all edges of casings and header that contact box wall and/or floor with silicone sealant. Tighten all bolts.

09. Lift the sprocket assembly above the installed casings. Fasten assembly with 3/8" bolts (supplied). Thread chain around sprockets.

10. Center the door in opening. Remove top roller carriers and slide roller shaft into each pair of carrier brackets. Slip the rollers into the tracks and reattach the roller brackets. The same procedure applies to the bottom carriers. Adjust all roller brackets for a proper seal. Adjust as necessary. Install split shaft collars to prevent excessive sideways play (1/4" of play is acceptable).

11. Adjust the sprockets in or out to center with door. Attach chain to top of door.

12. Attach chains to the weight's center section. Add one weight leaf at a time until the door moves freely. Adjust with hanger bolts to level door.

WARNING! COUNTERWEIGHTS CAN CAUSE SERIOUS INJURY IF NOT HANDLES PROPERLY !

13. Attach rear weight cover housing to vertical casing. Slip the top part of cover into place and secure the two together with self-tapping screws (provided). Ensure that the weight cover housing is parallel and that the counterweights move freely inside.

14. Check track and door for proper clearances and adjust as necessary. Secure all fasteners.

ELECTRICAL CONNECTIONS

01. Connect door heater to electrical power (freezers) only after box is at its specified operating temperature

02. For power operated doors, see separate installation instructions for specific type operator

IMPORTANT SAFETY NOTICE:

Servicing any part of the counterbalance system should be performed by qualified overhead door service personnel only.

Operate door only when properly adjusted and free of obstructions. Repair and adjustments, especially to chain and counterweights, can be hazardous and should be performed by qualified overhead door service personnel only. Do not permit children to play with door or electric controls. If door is now or later becomes electrically operated, pull down rope must be removed (if so equipped). Avoid standing in open doorway or walkway through doorway while electrically operated door is moving. Should the door become hard to operate or becomes completely inoperative, it is recommended that a qualified overhead door installer be contacted.