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DOOR COMPANY

INSTALLATION GUIDELINES FOR SECTIONALS

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 SECTIONALS

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 SECTIONAL STANDARD LIFTS

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 header assembly above the installed casings. The header gasket should fit between the gaskets attached to the 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 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. Position bottom section #1 (with gasket) in center of opening, allowing equal distance from each side of the opening. Door section should be approximately 1 3/4" away from casings on either side of opening, allowing the door to just make contact with casing gaskets. Prop door section in such a manner as to allow it to stand by itself.

10. Remove four corner bracket roller carriers and slide a roller shaft into each pair of carriers. Slip rollers into track and reattach roller carriers to corner brackets.

11. Position next section #2 on top of bottom section #1. Align in opening and with bottom section #1. Remove two top bracket roller carriers and slide a roller shaft into each pair of carriers. Slip rollers into track and reattach roller carriers to top brackets. Attach hinges from bottom section #1 to section #2 using screws supplied.

12. Complete the remainder of the sections at this time following step # 11. The top door section should only be installed after horizontal (curved) tracks have been installed.

HORIZONTAL TRACK INSTALLATION

01. Locate horizontal (curved) track with curved end down and mate with vertical track section. Secure using supplied splice plate and associated hardware. *Note: Horizontal track slopes upward 1/8" per foot towards rear of door.*

02. Verify that horizontal tracks (left/right) are parallel to each other and secure them to each other with supplied "B" line and fasteners at far end.

03. Verify that horizontal tracks are level to each other and secure in place using threaded rod (not supplied) between "B" line attached to side of horizontal tracks and convenient overhead structural members or ceiling of box.

04. Install sway braces (not supplied) only after checking and verifying that horizontal tracks are parallel. *Note: Support structure must be strong enough to support full door weight.*

05. After door panels have been installed and placed in the fully open position, attach door bumpers 1" behind the top wheels and secure using supplied hardware.

TOP DOOR SECTION INSTALLATION

01. Place the top section in position and align with previous section. Remove two top bracket roller carriers and slide a roller shaft into each pair of carriers. Slip rollers into track and reattach roller carriers to top brackets. Attach hinges from previous section to top section using screws supplied.

02. Adjust bracket slides on all roller carriers so that each section is perfectly vertical.

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

04. Install split shaft collars onto end of bottom two roller shafts of bottom section and the top two roller shafts of top section to prevent side movement of door.

COUNTERBALANCE INSTALLATION WITH DOOR CLOSED (DOWN)

01. Attach cables to cable drums as follows:

A. Thread each cable between the axle shaft and the wall

B. Insert each cable into the entry slot of each drum

C. Rotate cable drum to either a 3 or 9 o'clock position allowing cable to slide through entry slot and mark end of cable to be cut

D. Remove cable, cut at mark and swage aluminum stop on end of cable using appropriate cable swager (not supplied)

E. Reinsert cable with stop attached into cable entry slot of cable drum and position at 3 or 9 o'clock making sure that both cables have equal tension and are taut

F. Clamp a set of locking pliers with jaws locked onto axle shaft and place other end of locking pliers against wall (header) so that cable tension on the drum is taut (no slack) and the axle shaft is locked

02. Wind (tension) springs as follows:

A. **IMPORTANT!** Before winding springs, place a clamp in both tracks of door directly above top roller on either side to ensure that door cannot be raised at this time

WARNING! DOOR SPRINGS CAN CAUSE SERIOUS INJURY IF NOT HANDLES PROPERLY !

Note: Before winding springs, make sure that door is in a "locked" position. This will prevent the door from raising up by itself in the event the springs are over wound or are too strong

WARNING! NEVER STAND DIRECTLY IN FRONT OF WINDING CONES OR WINDING BARS

B. For your safety, position yourself on a sturdy ladder or lift so that winding cone is either to your right or to your left

Note: Use two cold-rolled steel rods (originally supplied with door) approximately 18" long and the same diameter as the holes in the winding cones. Do not use undersized rods or other tools to wind or unwind springs.

C. With one hand, insert one winding rod all the way into the hole of the winding cone and wind the spring up one-quarter of a turn

D. With your other hand, insert the second winding bar into the next hole, remove the upper winding bar and then take another one-quarter turn

E. Proceed in this manner until you have made all of the required number of turns

F. After the required number of 1/4 turns have been made, tighten set screws in winding cone to secure to the shaft before removing winding bars

G. Repeat this procedure for all springs, then locking pliers can be removed

REQUIRED NUMBER OF TURNS _____

(_____ X 4 = _____ ONE QUARTER TURNS)

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 (including springs, drums, sprockets, cables, bearing brackets, and bottom corner brackets where cable is attached to door) should be performed by qualified overhead door service personnel only.

Operate door only when properly adjusted and free of obstructions. Door is under extreme spring tension. Repair and adjustments, especially to cables and spring assembly, 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.