

SWING DOOR INSTALLATION INSTRUCTIONS



TRADITIONAL
SWING DOOR

DOOR COMPANY

413 HOWARD BLVD.

NEWPORT, NC 28570

1.888.833.3667

FAX 252.223.1116

WWW.FRANKDOOR.COM

DO NOT DISCARD

INSTALLATION GUIDELINES FOR SWING DOORS

BEFORE YOU INSTALL YOUR DOOR
PLEASE REVIEW THESE BASIC GUIDELINES

Note to Installer: Provide a copy of these instructions to the building owner. By installing this product, you acknowledge the terms and conditions of the limited warranty as part of the terms of the sale.

Failure to install square, level, plumb and on a flat plane (without twist or warp) could result in denial of warranty claims for operational or performance problems.

ALL DOORS MUST BE INSTALLED BY EXPERIENCED QUALIFIED COLD STORAGE DOOR INSTALLERS.

1. All doors & frames must be installed plumb and square to insure proper operation, seal and warranty. Any walls out of plumb will require that the door frames be shimmed back to plumb.
2. All headers and side casings should be securely fastened to the wall.
3. Doors mounted on insulated panels should have backup casing frames to help secure the face casing & door to 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. The exterior and interior edges of the entire door frame should be caulked with silicone to prevent any moisture migration behind the components that may cause frost or sweating.

TOOLS REQUIRED:

MEASURING TAPE
RATCHET SET
SCREWDRIVERS
PRY BAR
WRENCHES
UTILITY KNIFE
HAMMER
4 LARGE CLAMPS
CAULKING GUN
SILICONE CAULK
BACKER ROD
SHIMS
DRILL
DRILL BITS
SAFETY GLASSES
RECIPROCATING SAW
RUBBER MALLET
FASTENERS FOR WALL TYPE IF NOT ORDERED WITH DOOR

ELECTRICAL CONNECTIONS FOR FREEZERS AND HEATED WINDOWS

IMPORTANT: All electrical work must comply to the National Electric Code as well as any state or local requirements. All electrical work must be performed by a licensed electrician.

NOTICE TO ELECTRICAL CONTRACTOR

DO NOT activate heater cable before bringing box down to desired temperature. Doing so will result in damage to door panel assembly and will void warranty.

All heaters: Frame Heaters, Bottom Door Heater and Window heaters are 115 V AC (unless specified differently) and must be connected to a DEDICATED 15 AMP Circuit Breaker.

INSTALLATION PROCEDURES FOR SWING DOORS

1. Check & inspect all crates for damage. PURCHASER/RECEIVER SHOULD NOTIFY THE FACTORY IMMEDIATELY OF ANY DAMAGE, UNLESS DOORS WERE SHIPPED THIRD PARTY.

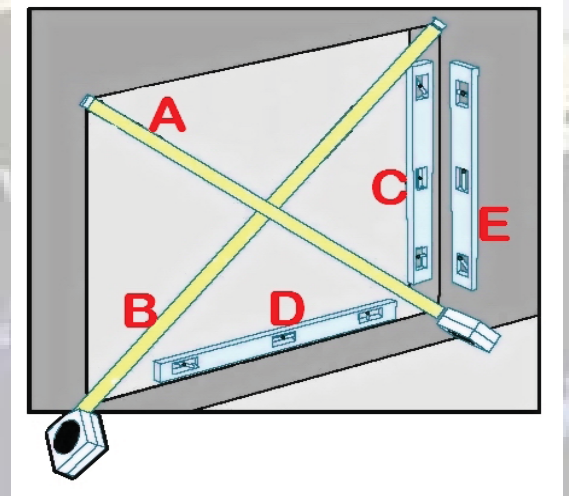


2. Measure the opening for the door. Check the packing slip attached to the crate to verify that you have ordered and received the correct size door for the opening WIC X HIC. (FINISHED OPENING)



3. Verify the finished / rough opening is square. The (A) and (B) measurements should be the same. Verify the rough opening is level and plumb (C) and (D). The maximum allowable deviation is 1/8". The exterior face of the box wall must be in a single plane (E) with less than 1/8" deviation from corner to corner.

Any walls out of plane will require that the door frame's casing be shimmed to the same plane to achieve a proper seal.



4. Lay uncrated door face up. If assembly has a three sided frame, remove only the screws from the bottom shipping strap using a #2 Philips Head. (On a swing door with a chrome latch, locate strike on back of hinge side casing. With a #3 Philips Bit or Screw driver, remove screws holding strike assembly to blocking without stripping heads.



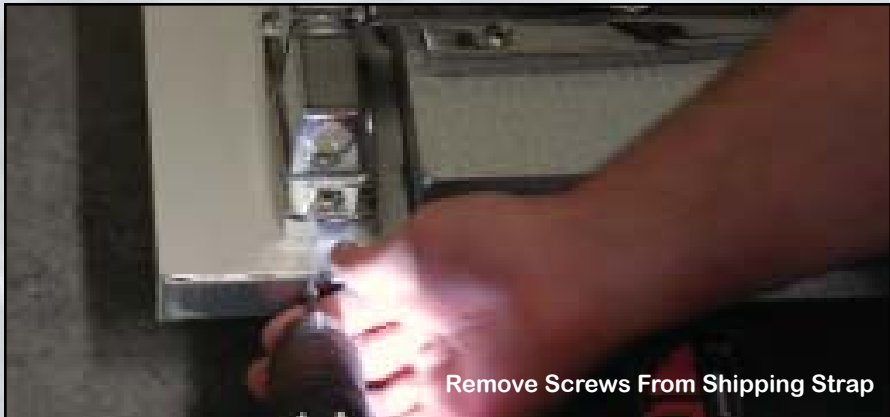
Remove Screws & Strike from Back of the Face Casing. DO NOT MISPLACE STRIKE OR SCREWS!

Do not misplace strike or screws!

5. It is recommended that pilot holes be drilled in casing frame.

6. Mark the height locations for fasteners on your frame. The first should be approx. 8" - 10" above the floor. They should then be spaced approx. 24" - 30" apart.

Once you have marked the height locations on your side casings, go to each mark:



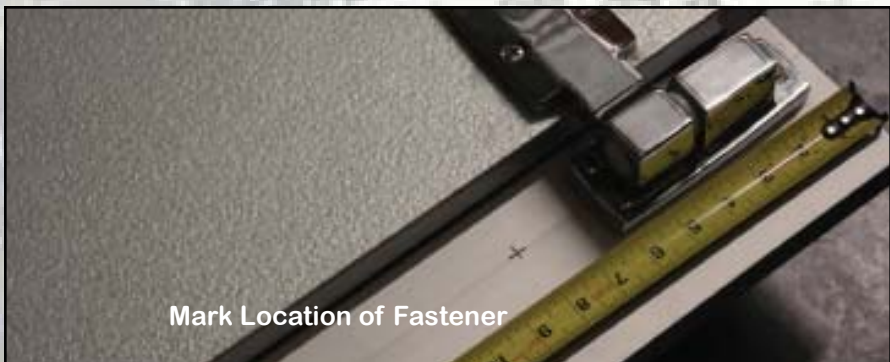
Remove Screws From Shipping Strap

6" Wide Casings

From the *outer edge* measure in 3 1/4" and mark.

4" Wide Casings

From the *outer edge* measure in 1 1/4" and mark.

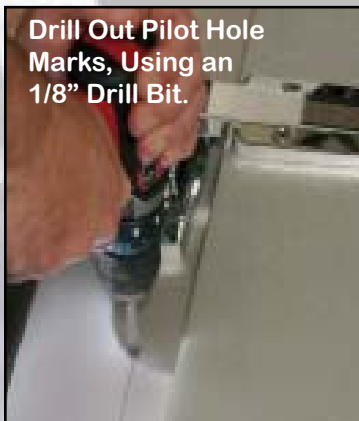


Mark Location of Fastener

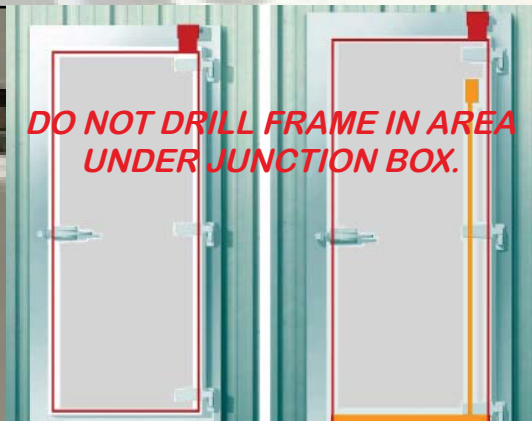
7. Using a 1/8" drill bit, drill pilot holes at marks.

ON FREEZER DOOR ASSEMBLIES : DO NOT DRILL FRAME IN AREA UNDER JUNCTION BOX!

Before drilling any holes, check area around opening (on exterior and interior sides of walls) and insure there are no obstructions, electrical conduit or junction boxes in way of entire door and frame assembly.



Drill Out Pilot Hole Marks, Using an 1/8" Drill Bit.



DO NOT DRILL FRAME IN AREA UNDER JUNCTION BOX.

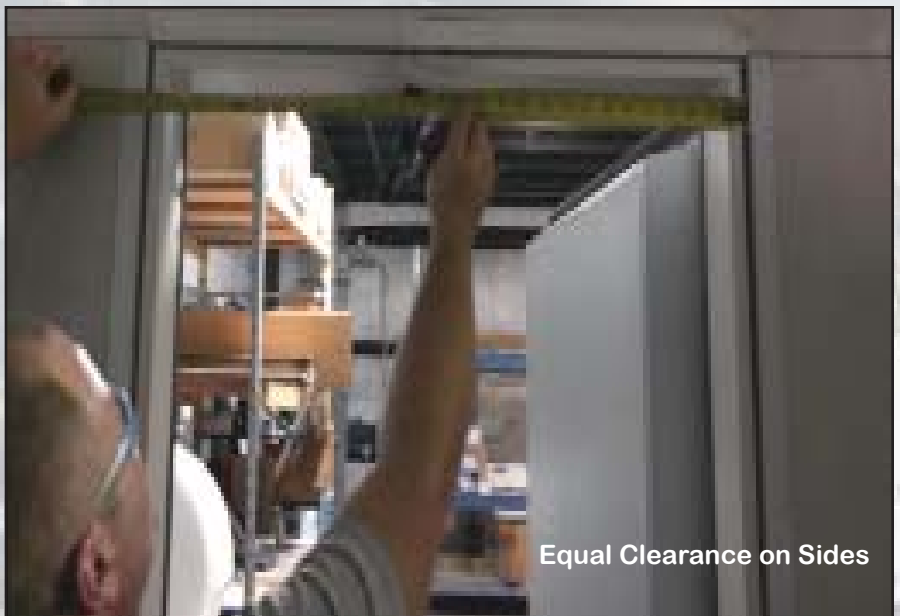
8. Dry-fit frame assembly to opening to insure proper fit.

9. Pull the frame back out of the opening, remove shipping strap and apply a 1/2" bead of caulk approximately 1 1/2" in from edges, around the inner and outer edge of the casing.

10. Set the top of the door and frame in position in the opening & then push the bottom in and up against the box wall.

IMPORTANT NOTE:
IF THIS IS NEW CONSTRUCTION AND FLOORING HAS NOT BEEN INSTALLED, YOU MUST RAISE THE WHOLE DOOR ASSEMBLY (FRAME DOOR & OPTIONAL BACK-UP CASING) THE TOTAL THICKNESS OF THE FINISHED FLOORING, OR DAMAGE TO THE DOOR ASSEMBLY & THE FINISHED FLOOR MAY OCCUR WHEN THE FLOOR IS INSTALLED.

11. If door assembly was ordered with optional return jambs, space the return jambs in opening with equal clearance on sides. From the interior, shim the head and side jambs 6" from the corners and at 8" intervals. Install shims at the strike location and at each hinge location. Mark shim centerlines for ease of location so the screws (installed later) will penetrate each shim. Clamp the frame (and optional back-up frame if ordered) to the wall using two clamps on each leg of the frame.



12. Using a rubber mallet, tap the hinge side casing and top casing until they are plumb/square and tighten clamps.

13. Using a 1/4" bit, drill through the pilot holes on the hinge side casing and into box wall solid framing for each 3/8" X 4" lag bolt (optional). Using a 3/8" drill bit, drill **face frame or face casing only** for lag shaft.

Note: If door assembly was ordered with a back-up frame, using a 3/8" x 12" drill bit, drill straight through face casing, wall and back-up frame for 3/8" carriage bolts installation hardware.

After drilling out all the fastener holes, (**IF OPTIONAL RETURN JAMBS WERE ORDERED ONLY!**) Use Backer Rod or **LOW EXPANSION FOAM ONLY**, to fill void between side of return jamb and panel edge.

14. Insert lag bolt / carriage bolt in top hole of the hinge side casing/frame, check straightness of casing/frame and insert lag / carriage bolt in hole located by bottom hinge. Insert remaining bolts on hinge side casing in holes. Hand tighten bolts only. **DO NOT OVER TIGHTEN BOLTS AT THIS TIME!**

15. Follow the same procedure on the top and strike side casings. Tighten bolts to position door assembly on the wall. **HAND TIGHTEN THE BOLTS ONLY! DO NOT CUT OFF EXCESS ON CARRIAGE BOLTS YET!**

Drill into box wall solid framing for lag bolts.



Drill straight through optional back-up frame for carriage bolts.



Hand tighten bolts only at this time.



DO NOT CUT OFF EXCESS ON CARRIAGE BOLTS YET!



16. Check plumb position to insure that the frame is plumb and square. Measure the opening diagonally to make sure door assembly is set square in opening.

17. Draw lag bolts / carriage bolts snug, but do not draw casing out of plane.

18. Smooth and clean up any excess sealant that has squeezed out between casing and wall.

19. Recheck plumb position.

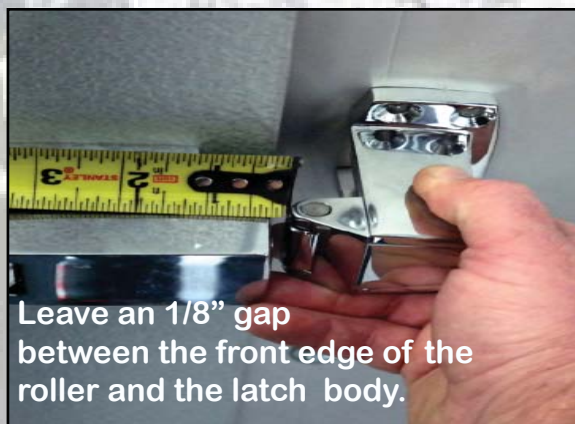
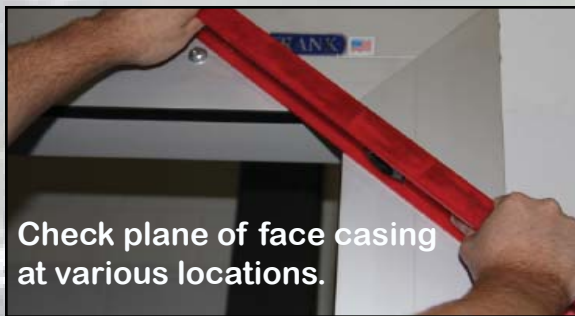
20. Check to ensure the casing frame is in plane by using a level. Lay the straight edge of level across the face casing frame. The straight edge of the level must be in full, flat contact with the face casing at various angles. If not, loosen the lags/ carriage bolts and add shims between the wall and the back of the casing frame. Snug up fasteners.

21. With door closed, align strike assembly and mark hole placement to mount strike. (There should be 1/8" gap between the between the front edge of the roller and the latch body.)

22. Install strike to frame with screws supplied. Using a 7/32" drill bit, drill only one front hole and the opposite back hole. Use front hole screw position only at this time and attach strike.

23. The strike roller is fully retracted and must be adjusted out by the installer.

24. Remove the two hex head bolts that attach the roller to the strike base. Move roller assembly up and relocate and insert bolts in upper holes. Slightly tighten bolts.

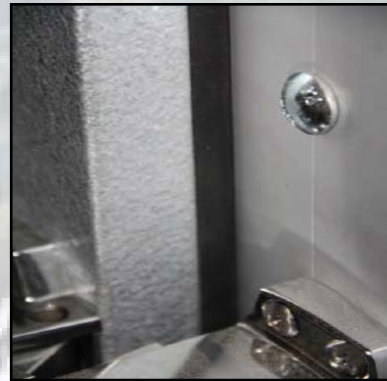


25. Close door and set roller assembly. Use a 9/16" socket and remove inside and outside bolts. Slide roller assembly section of strike out. Insert bolt in hole furthest away from strike base. Set strike so door is snug and tighten outside bolt. On the inside of the roller assembly insert bolt in outer hole and tighten bolt.



The strike roller is fully retracted and must be adjusted out by the installer.

26. If gap between the front edge of the roller and the latch body has been maintained to 1/8", open door and tighten bolt inside strike assembly. Drill out and install remaining screws. Do not over tighten screws.



27. Open and close door to insure it operates correctly and that the strike for the latch is adjusted properly. The latch should seat firmly to hold the door closed and tightly sealed. Adjust the strike accordingly. Check inside release for proper operation.

DO NOT OVER COMPRESS GASKET! If the gasket is not sealing without over compressing the gasket, the casings are out of plane.

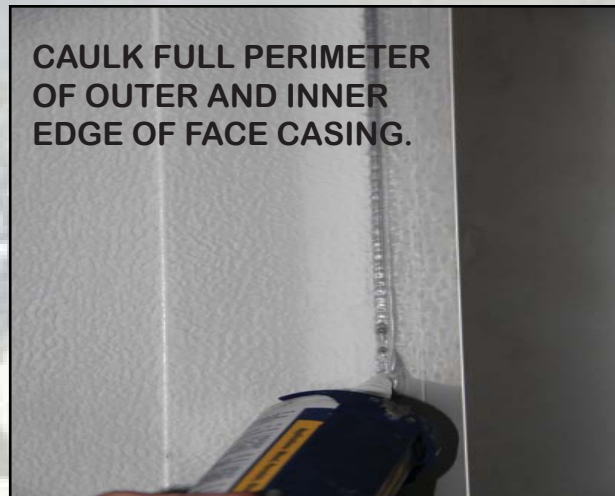
28. With door in closed position, check the gasket compression at all contact points by closing the door against a piece of paper. If the paper is loose and does not drag when removed, the door is not making proper contact. Adjust by shimming frame and/or adjusting hardware as required.

****NOTE: When shimming out the face casing/frame, you shim the opposite side of the frame. DO NOT OVER COMPRESS GASKET! Too much pressure on the hinge side will prevent proper contact on the latch side and cause binding of the gasket, hard operation and/or damage to hinges and other components.**

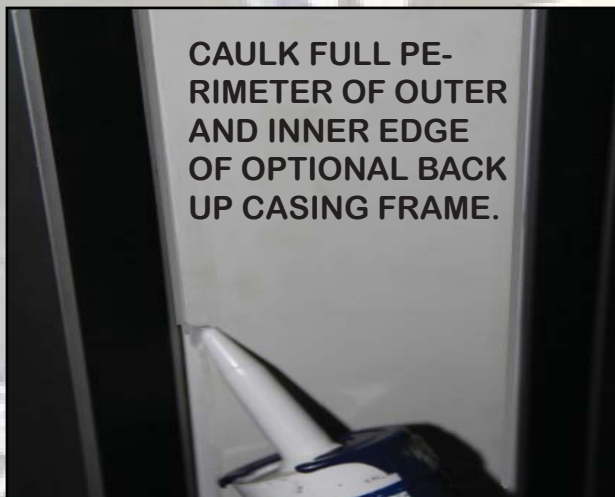
29. When the door is sealing properly, cut carriage bolts(if used), to length and file off any sharp edges.



30. Neatly run a bead of caulk around the ENTIRE perimeter of the frame edge and box wall /floor. Caulk also the entire inner edge of frame at opening and box wall / floor. Smooth and clean up any excess sealant.



*If door was ordered with back up frame, neatly run a bead of caulk around the ENTIRE perimeter of the backup frame edge and box wall /floor. Caulk the entire inner edge of back up frame at opening and box wall / floor. Smooth and clean up any excess sealant.



SWING DOOR OPERATION & MAINTENANCE SCHEDULE

Our doors are manufactured to provide many years of reliable and trouble - free operation. Doors must be installed by a *QUALIFIED* Cold Storage Door Contractor and as per the installation manual provided with each door assembly. Periodic adjustments and normal maintenance are the responsibility of the customer.

Doors not installed by a *QUALIFIED* Cold Storage Door Contractor, or that have been altered without the specified written consent of a **FACTORY AUTHORIZED REPRESENTATIVE** or doors that have been damaged/abused may require more maintenance than the recommended schedule below.

COOLER & FREEZER DOORS

DAILY:

1. SMOOTH OPERATION
2. POSITIVE SEAL
3. DAMAGE
4. LOOSE, DAMAGED OR MISSING PARTS

WEEKLY:

1. GASKETS FOR TEARS, RIPS OR ANY OTHER DAMAGE

MONTHLY:

1. ALL FASTENERS

FREEZER DOORS

DAILY:

1. HEATER FOR PROPER OPERATION (SHOULD HAVE UNINTERRUPTED & SEPARATE POWER SUPPLY)

PLEASE MAKE ANY & ALL ADJUSTMENTS TO ENSURE SMOOTH OPERATION & POSITIVE SEAL AS REQUIRED PER INSTALLATION INSTRUCTIONS PROVIDED WITH EACH DOOR.

REPAIR AND/OR REPLACE ANY WORN, DAMAGED OR DEFECTIVE PART AS SOON AS DETECTED.

Warranty - The Frank Door Company warrants to the original owner of this product that the door panel will be free of defective material and workmanship, for a period of five (5) years and a two (2) year warranty on all other Frank Door Company manufactured components (excluding normal wear parts), commencing with the date of shipment from the factory. Frank Door Company warrants products or component parts used on the doors, but not manufactured by Frank Door, to the purchaser, to the same extent that they are warranted by the original manufacturer to Frank Door.

The warranty becomes valid upon the receipt of "Payment in Full" by Frank Door Company. Only defects called to Frank Door Company's attention during this period of time will be covered under this warranty. This warranty is null and void if:

The door(s) are altered in any way without advanced written consent of the Frank Door Company.

The door(s) are not installed within 120 days of original shipment.

Frank Door Company will not be responsible for any installation (labor) costs incurred during replacement, or for replacement or repair of any materials subjected to excessive abuse, misuse, or improper installation.

Frank Door will repair or replace at its discretion and at no charge, with freight prepaid (carrier of Frank Door Company's choice), any door or its component parts which are found defective upon inspection by an authorized Frank Door Company representative. This provision of repair or replacement shall be the limit of Frank Door's responsibility under this warranty. Frank Door Company shall not be responsible for other losses or damages claimed to be caused by any door or door parts covered under this warranty.

No other oral or written representation made by Frank Door Company or its agents are part of this warranty unless specifically set forth in writing by an authorized Frank Door Company representative.

The above set forth warranty is seller's sole warranty. Seller, makes no other warranty of any kind whatever, expressed or implied; and all implied warranties or merchantability and fitness for a particular purpose which exceed the aforestated obligation and hereby disclaimed by the seller and excluded from this agreement.

Back Charge Claim Policy - The Frank Door Company strictly enforces this Warranty Back Charge Policy. Prior to ANY warranty work being performed, the following procedures must be followed. Frank Door reserves the right to deny ANY back charges or invoices if these procedures are not followed. A detailed explanation of the issue(s) must be presented to the Manager of Customer Service for review. If the claim is determined to be justifiable by the Manager of Customer Service, the following information shall be required prior to any expenditures or work being performed:

The Manager of Customer Service will issue a purchase order for the scope of work with a "Not to Exceed" monetary amount for the scope of work specifically set forth in writing. Any changes or modifications to the scope of work or the monetary value must have prior written approval from the Manager of Customer Service.

The total liability to Frank Door Company shall be the total monetary value of the scope of work approved in writing by the purchase order and any modifications thereof by the Manager of Customer Service. No other oral or written representatives made by Frank Door Company or its agents are part of this policy unless specifically set forth in writing by the Manager of Customer Service.

TRADITIONAL SWING MANUAL

Over 25 years of
quality craftsmanship
with service and support
you can count on.



The **American** Standard for Cold Storage Swing Doors

As the Frank Door Company constantly strives to build the highest quality products for performance and value, the design, specifications, materials, features and prices are subject to change without notice.

413 Howard Blvd., Newport, North Carolina USA 28570
www.frankdoor.com