

Roll Right Model 200 Installation Instructions

These instructions are written for, and are to be used only by, a professional door installer with a general mechanical knowledge of rolling type doors.

IMPORTANT NOTES: BEFORE YOU START, READ AND UNDERSTAND THESE INSTRUCTIONS THOROUGHLY, AND CONSULT THE FACTORY DIRECTLY IF YOU HAVE ANY QUESTIONS @ 425-259-6559, OR EMAIL US AT JERRYB@AUTODOORANDGATE.COM.

DO NOT CUT THE BANDS, WHICH HOLD THE DOOR IN A ROLL. YOU WILL BE TOLD EXACTLY WHEN TO CUT THE BANDS.

ALWAYS WEAR GLOVES, AND SAFETY EQUIPMENT SUCH AS SAFETY GLASSES. MANY PARTS OF THIS PRODUCT ARE SHARP AND MAY CAUSE SERIOUS INJURY.

STEP # 1

Measure the door opening width and height and verify that you have the proper door to fit the opening. Check the jambs, header and floor for plumb, level and square. If the floor is out of level more than a fraction of an inch, you will need to cut the bottom of one of the tracks to bring them into level alignment at the top. Verify that you have substantial structural backing to receive the door support brackets and track, which will bear the weight of the door, wind loads on the door curtain and spring tension required to counterbalance the door weight.

STEP # 2

Make a layout at a position just above the door header to locate the door tracks so that the space between tracks is equal to the door bottom bar, less 4", taking care that the tracks overlap the opening equally on each side. See illustration "A". Check to be sure that the tracks are plumb. See "special instructions for steel buildings" at the end of this section.

STEP # 3

Mount door support bracket to door track using a 1 - 1/4" x 3/4" hex bolt and hex flange nut. Drill thru the three holes that go thru the door support brackets and tracks and secure them to the wall using bolts or lag screws, of at least 3/8" diameter. Consult a fastener supply center for help selecting the proper fastener for the application. NOTE: (Automatic Door and Gate does not supply the fasteners for attaching door hardware to the building door support members)

STEP # 4

As a general safety precaution do not allow any person to stand near or under the door during any portion of the installation process.

Carefully lift the door curtain roll up onto the door support brackets. The hub of the spring tension plates will rest in the notched corners of the door support brackets. The flat side of the spring tension plates will be flush up against the flat side of the door support brackets. (See illustration E.) (Various types of lifting devices may be employed to raise the door up onto the support brackets such as forklift, air conditioning duct hoist, etc.) However, it is important that the lifting equipment is adequate and all safety procedures for lifting heavy objects are followed.

STEP # 5

Before removing your lifting equipment, secure the door to the door support brackets by inserting 1- 3/8" x 1-1/4" hex bolt with washer through the slot in the side of the door support brackets and the hole in the corner of the spring tension plates and secure with 1 - 3/8" hex flange nut. Now and only now you may carefully remove your lifting equipment.

STEP # 6

Install axle retainers on the top of the door support brackets as shown in illustration E.

STEP # 7

As a safety precaution, secure a clamp in each vertical track to prevent the door curtain from descending in the case the springs do not balance properly.

Rotate the door curtain roll three full turns in a forward direction. (See pretension notes on illustration E). Be sure that bolt into spring tension plates called for in step # 5 are secured properly before you pre-tension springs.

Hold the curtain roll in this position. The bottom edge of the door must be positioned just above the bend in the top of the tracks. Now cut the steel banding which secures the door curtain roll, remove cardboard wrap and insert bottom edge of curtain into tracks. Carefully feed the curtain down into the tracks until the door is about 12" below header to the location of your clamps. Then install a clamp above the bottom edge to prevent the door from moving up as you proceed to the next step.

STEP # 8

Install head stops on inside of door support brackets using 5/15" x 1" hex bolts, washers and hex-flange nuts. (See illustration E for proper position).

STEP # 9

Install lock clips on each end of bottom edge. (See illustration B).

STEP # 10

Carefully remove your clamps that hold the door in position in the tracks and check that spring balance is proper. Door should move up and down by hand with a reasonable amount of force. If spring balance is proper you may proceed directly to step # 12. If door needs spring adjustment proceed to next step # 11 (spring adjustment)

STEP # 11 (spring adjustment)

NOTE: A special tool is required for this adjustment. (see illustration D-1)

Do not ever attempt to adjust springs unless door is in the full up position.

You must secure door in the full up position by tying a rope around the door curtain roll or placing a substantial clamp on the door track to prevent the curtain from descending in the case of a loss of any spring tension during adjustment.

Be sure that axle retainers are secured in proper position before adjustment. (see illustration E)

Spring tension adjustment tool can be purchased from Automatic Door & Gate or may be fabricated on site from a section of 1" x 1" x 1/8" x 30" long steel angle with holes drilled in one flange. (See illustration D-1)

Place spring tension adjustment tool in position shown on illustration C & D and secure with 2 - 3/8" x 1" hex bolts, washers and hex flange nuts.

To increase lift or reduce lift rate of springs (See illustration C & D) remove spring tension plate locking bolt and reposition spring tension plate as required 1/4 turn at a time. It is important that both springs be adjusted equally.

STEP # 12

Now you are ready to mount the door tracks to the wall. Door tracks have a inner and a outer mounting flange. The inner flange is typically used for steel building applications and the outer flange is used for masonry or wood applications. In either case you will need to pre-drill the flange so the anchors can penetrate to the wall. Anchor spacing is important, when mounting to a steel building a 1/4" diameter self drilling anchor works

well and should be spaced no more than 24" apart. When mounting to wood or masonry a 3/8" diameter anchor works well and should be spaced no more than 30" apart. Before you start be sure that the tracks are plumb. Install an anchor in the bottom of the track and secure it tightly. Then roll the door up and down to make sure that there is no binding and then proceed to install the rest of the anchors.

STEP # 13

SPECIAL INSTRUCTIONS FOR STEEL BUILDINGS

Doors to be mounted on prefabricated steel buildings will install in the identical manner as conventional buildings with the exception of the mounting of the door support brackets to the building jambs.

Steel building backing plates to receive door support brackets, are to be mounted to jambs to receive support brackets. (See illustrations G, H and I for proper placement)

Please note that the top of the track, the top of the support bracket and the top of the backing plate are all at the same level.

The gauge of the building jambs must be analyzed to make sure that they are sufficient to properly support the door. In some cases additional backing may be required for proper support.

STEP # 14

Installation of chain hoist assembly (optional)

Install chain hoist assembly on 1" torsion shaft.

Slide set collar against the bearing and tighten setscrew.

Brace the chain hoist assembly to the wall so hoist will not pivot during operation.

Install the hand chain lock to the wall as required for proper locking.

In some cases an additional lock may be required to hold the door to the floor. (See illustration F

If an electric operator is to be used to raise and lower door follow instructions from operator manufacturer.

Illustration A

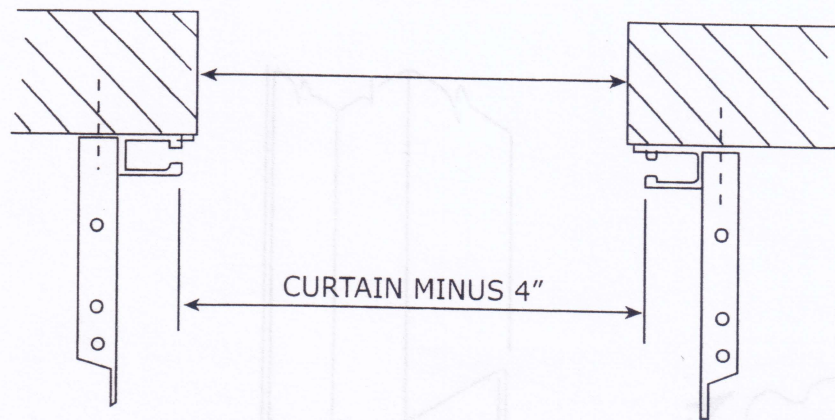


Illustration B

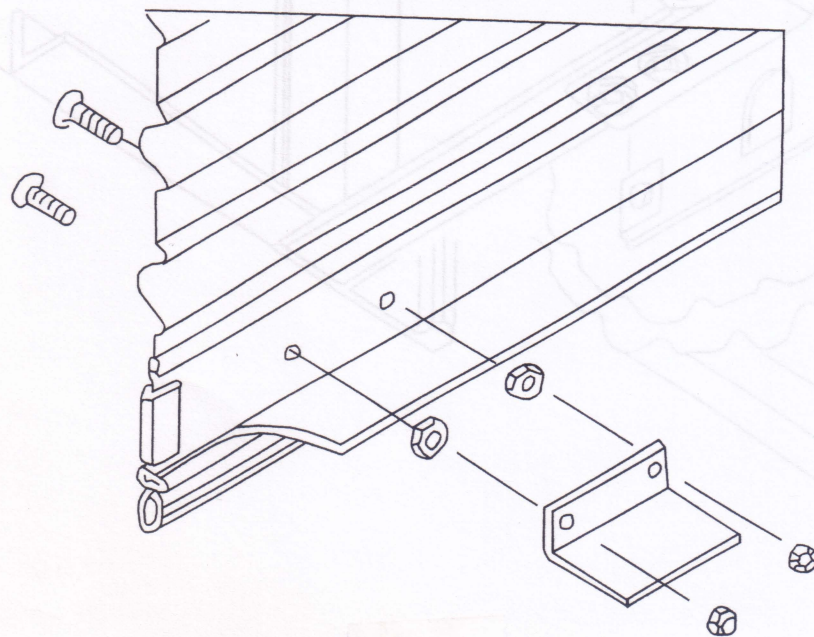


Illustration C

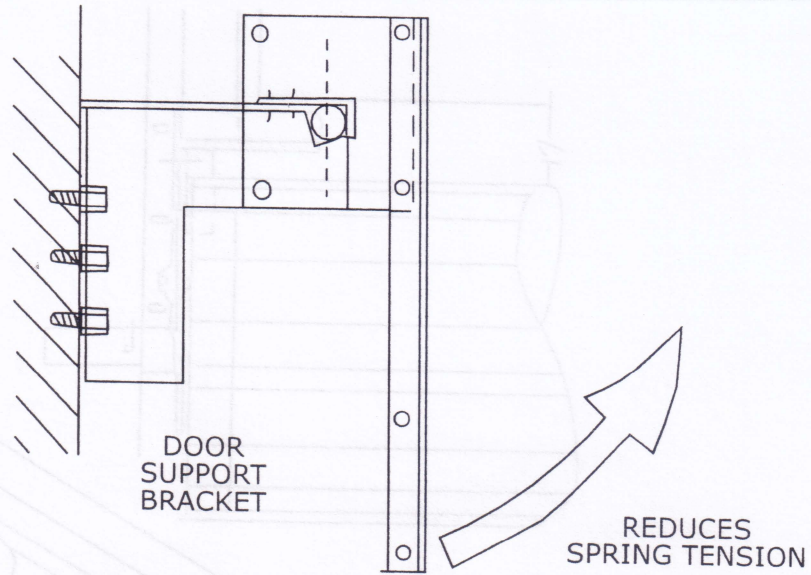


Illustration D

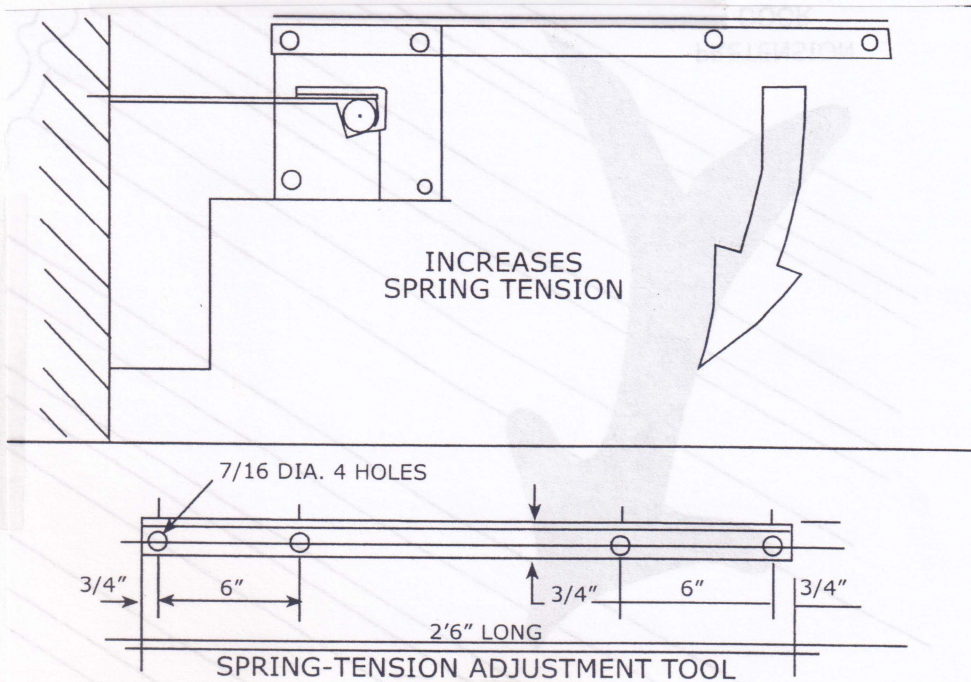
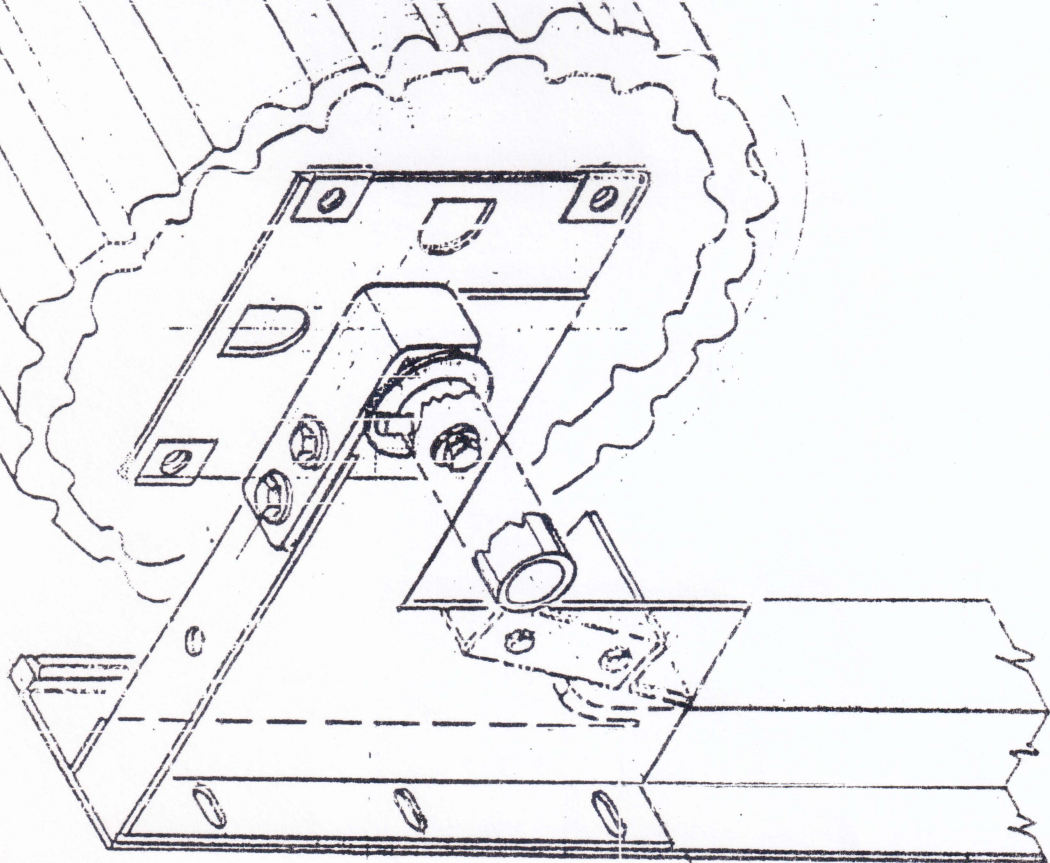


Illustration E



PRETENSION
DOOR
BY TURNING
COIL THIS
DIRECTION

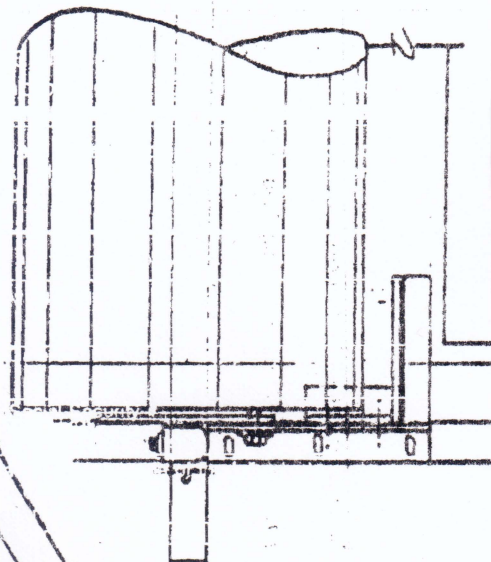


Illustration F

INSTALL SLIDE BOLT LOCK AS SHOWN BELOW. SLIDE BOLT LOCK IS BOLTED TO BOTTOM OF ALUMINUM GUIDE WITH 4 - 1/4" X 3/4" CAP SCREW AND NUTS. CARE SHOULD BE TAKEN WHEN DRILLING HOLES DURING PLACEMENT SO THAT THE LOCK BOLT ALIGNS WITH LOCK CLIP AND HOLDS DOOR FIRMLY TO FLOOR AND RUBBER ASTRAGAL MAKES A PROPER SEAL TO THE FLOOR.

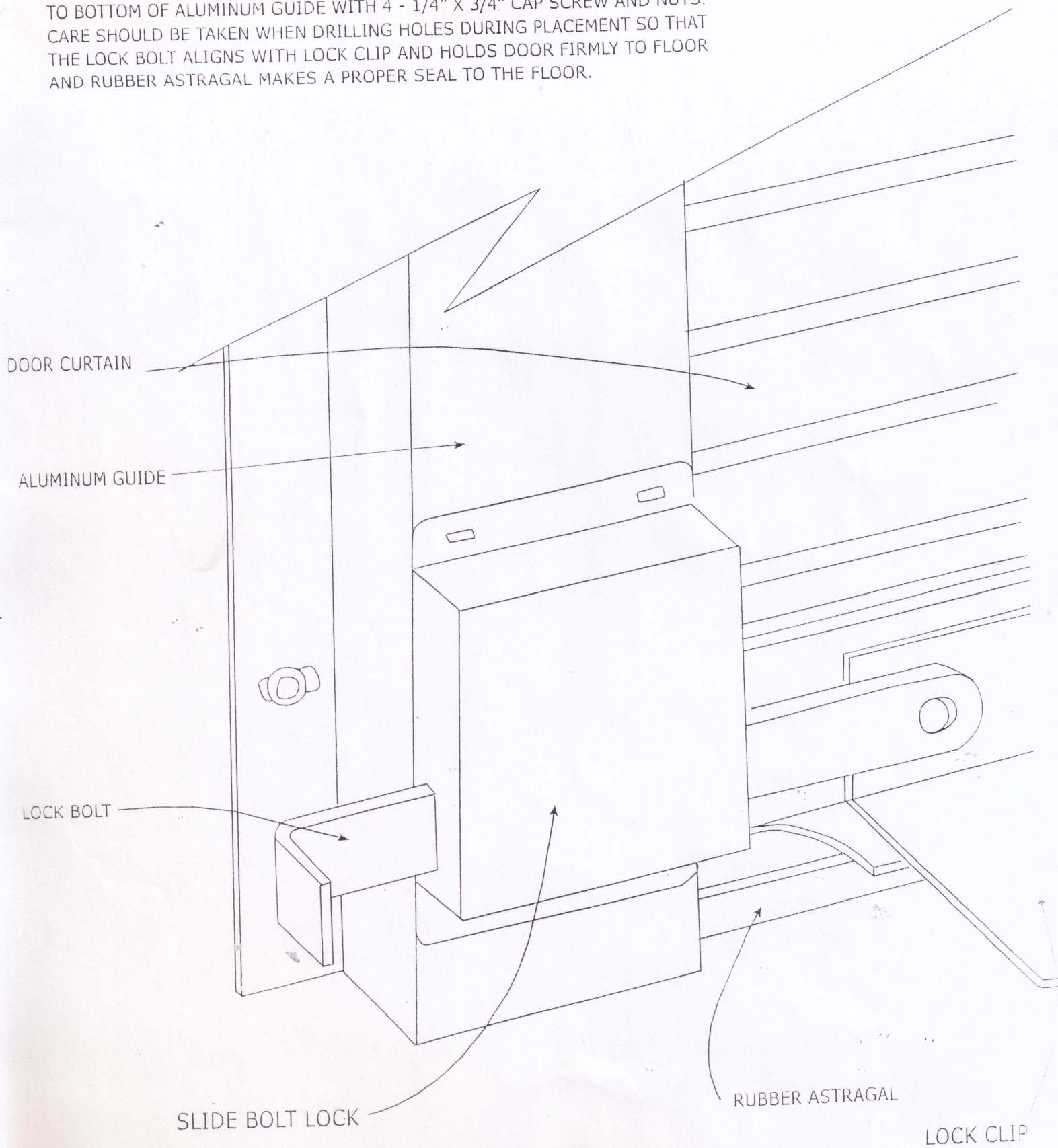


Illustration G

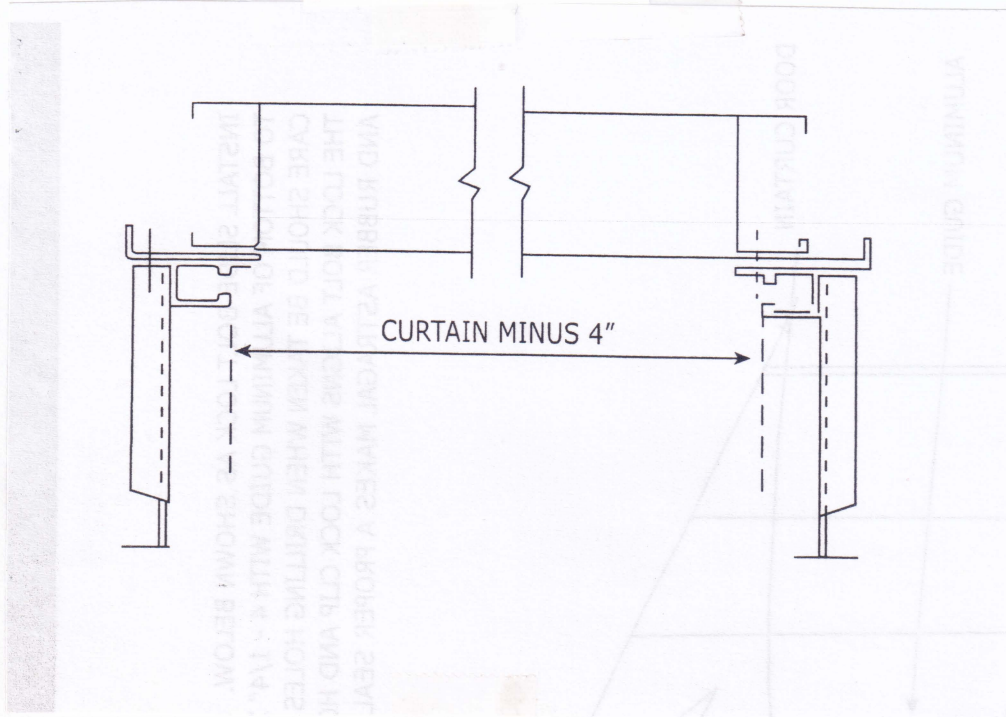


Illustration H

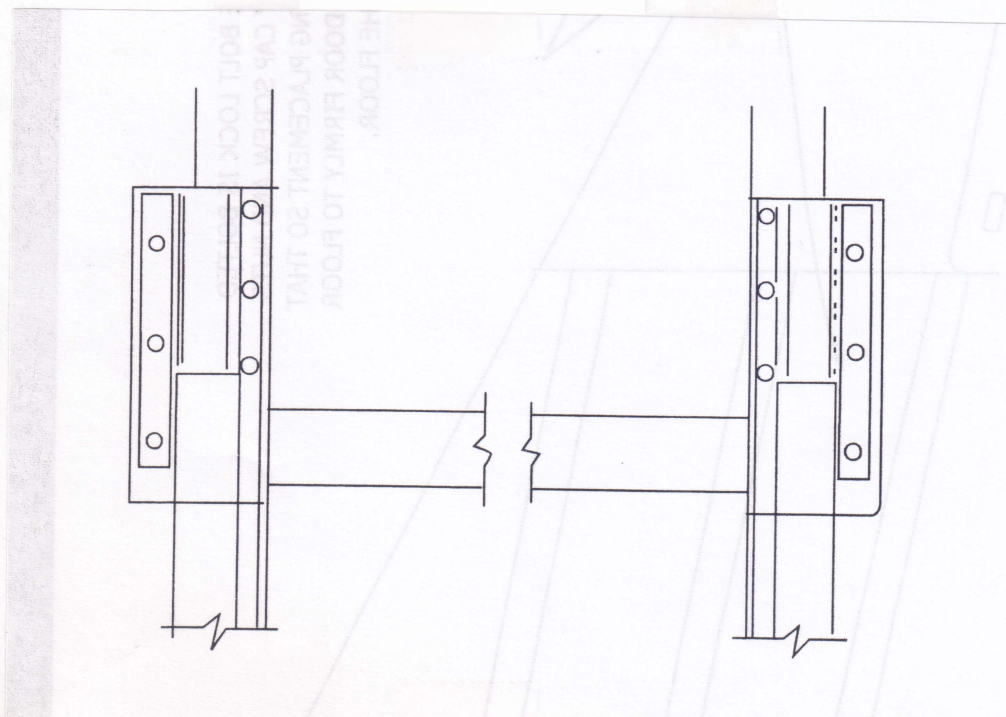
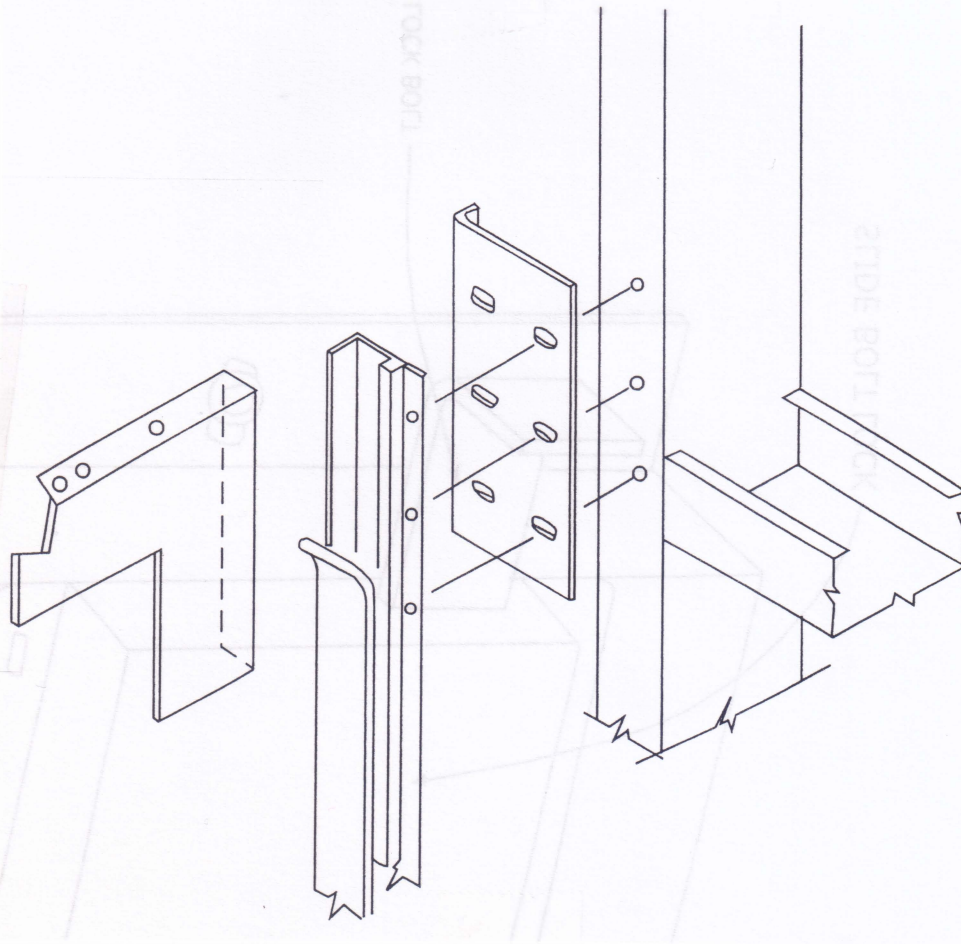
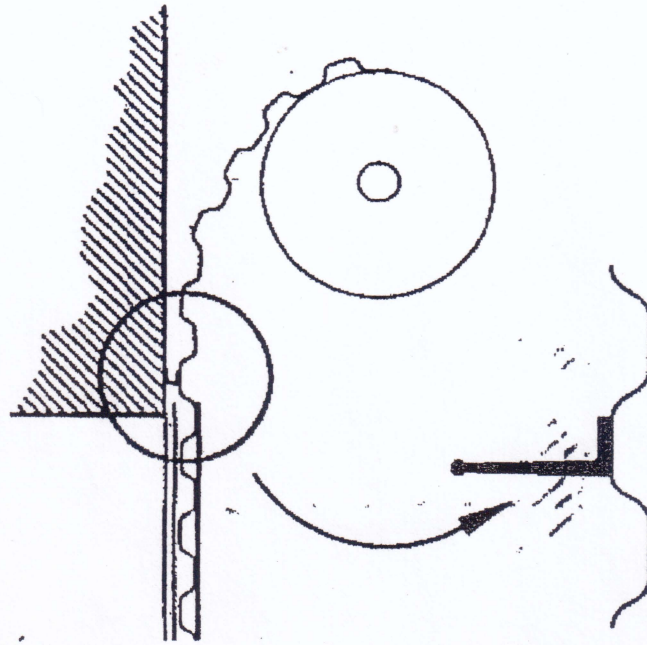


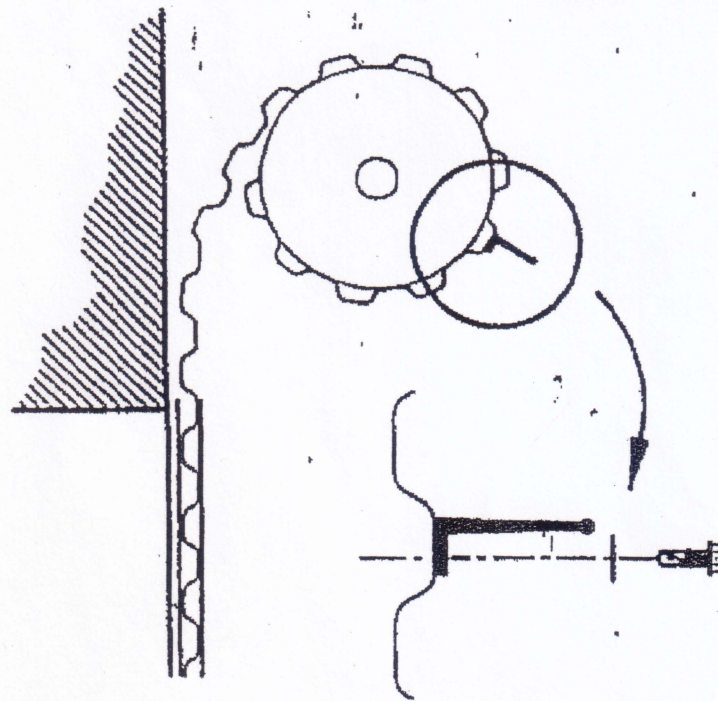
Illustration I



TOP DRAFT STOP INSTALLATION



- WITH DOOR FULLY CLOSED, MARK CURTAIN FOR DRAFT STOP MOUNTING LOCATION.



- RAISE CURTAIN UNTIL MOUNTING LOCATION IS ACCESSIBLE.
- ATTACH DRAFT STOP TO CURTAIN EVERY 12" USING 1/4" DIAMETER BY 3/4" LONG TEKS SCREWS AND FLAT WASHERS.