ALECO®

by E·S·ROBBINS

IMPACT TRAFFIC DOORS
INSTALLATION INSTRUCTIONS

IMPORTANT NOTE:

Check shipping containers before releasing carrier. Notify
carrier immediately upon discovering any concealed damage.

WARNING

Do not install this product unless you read and understand the warnings and installation
instructions contained in this manual. Failure to do so could result in serious injury or death.

HARDWARE:

1½" or ¾" V-CAM with Combo Bottom Bearing / Jamb Guard

V-CAM HARDWARE OPTIONS APPLY TO:

FD-175 and XHD-175 Models
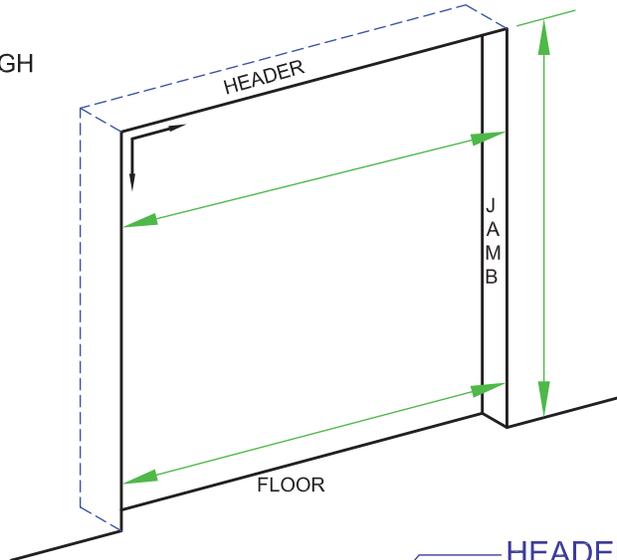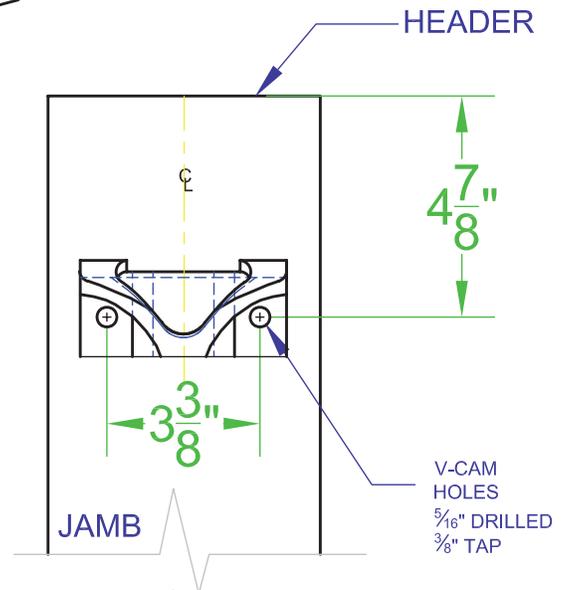
INSTALLATION INSTRUCTIONS

NOTE: Check shipping containers before releasing carrier. Notify carrier immediately upon discovering any concealed damage.
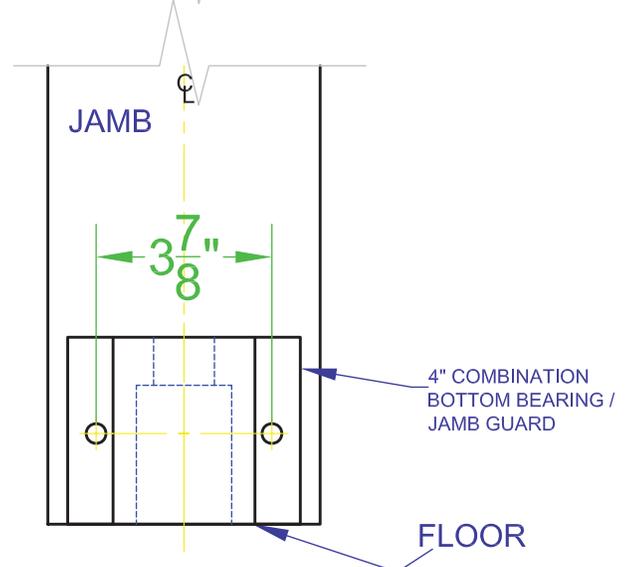
DOOR OPENING SIZE: _____" WIDE x _____" HIGH

HEADER

JAMB

FLOOR

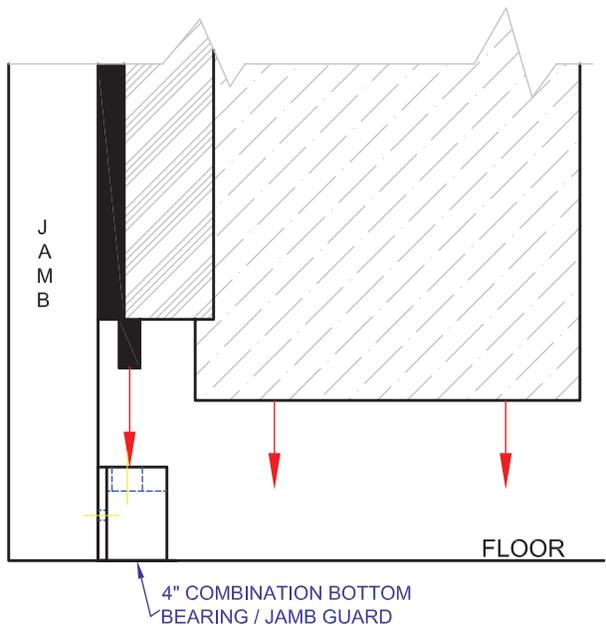1. Make sure jambs are plumb and square. Jamb recommendation: minimum 6" wide X $\frac{5}{16}$" thick (steel)

HEADER

$4\frac{7}{8}$"

2. Drill and tap Top V-Cam holes ($\frac{5}{16}$" drill - $\frac{3}{8}$" tap)

$3\frac{3}{8}$"

JAMB

V-CAM HOLES $\frac{5}{16}$" DRILLED $\frac{3}{8}$" TAP

JAMB

3. Drill and tap bottom bearing holes ($\frac{5}{16}$" drill - $\frac{3}{8}$" tap). Use bearing as template for hole locations. (Bottom bearing sits on floor.)
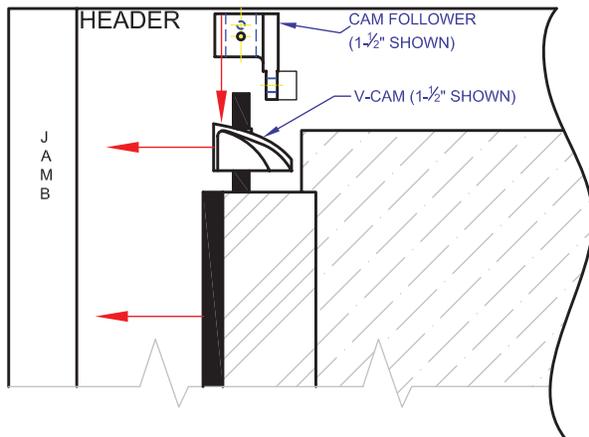
$3\frac{7}{8}$"

4" COMBINATION BOTTOM BEARING / JAMB GUARD

FLOOR

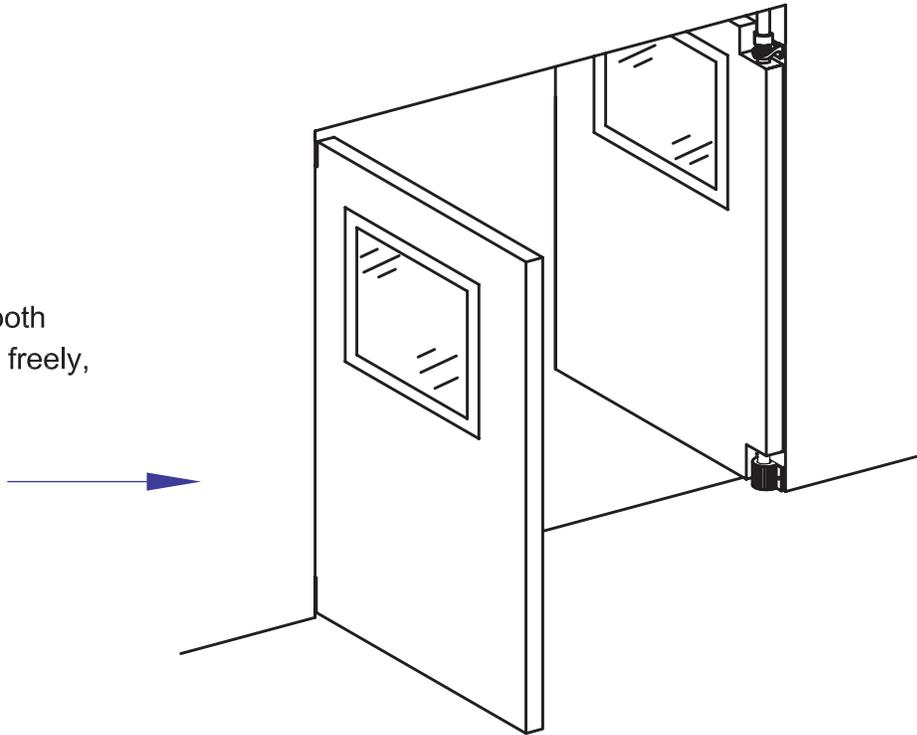4. Install the door leafs, bottom first.

JAMB

FLOOR

4" COMBINATION BOTTOM
BEARING / JAMB GUARD

5. Shim if necessary - tighten bolts.

CAUTION: When using Weld Plates,
do not torque nuts more
than 30 ft. lbs.

HEADER

CAM FOLLOWER
(1-½" SHOWN)

V-CAM (1-½" SHOWN)

JAMB

6. Make sure leafs swing freely in both
directions. If doors do not swing freely,
loosen bolts and re-align.

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HARDWARE:

1½" or ¾" V-CAM with Raised Combo Bottom Bearing / Jamb Guard
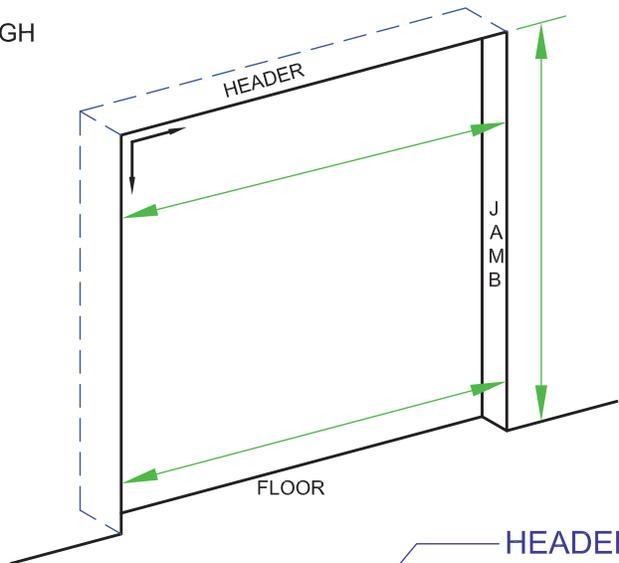
V-CAM HARDWARE OPTIONS APPLY TO:

FD-175 and XHD-175 Models

INSTALLATION INSTRUCTIONS

NOTE: Check shipping containers before releasing carrier. Notify carrier immediately upon discovering any concealed damage.
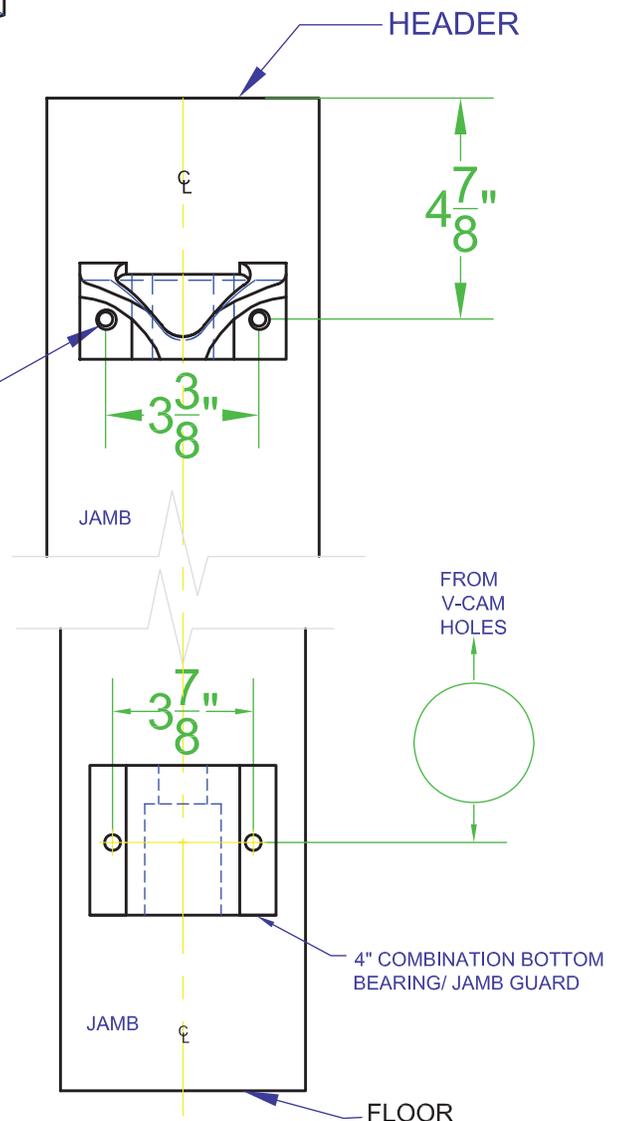
DOOR OPENING SIZE: _____" WIDE x _____" HIGH

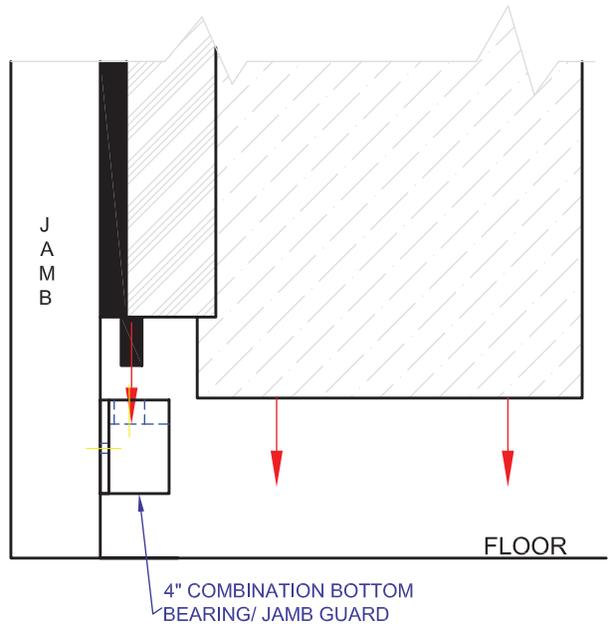1. Make sure jambs are plumb and square. Jamb recommendation: minimum 6" wide X $\frac{5}{16}$" thick (steel)

HEADER

JAMB

FLOOR

2. Drill and tap Top V-Cam holes ($\frac{5}{16}$" drill -$\frac{3}{8}$" tap)

HEADER

$4\frac{7}{8}$"

V-CAM HOLES
$\frac{5}{16}$" DRILLED
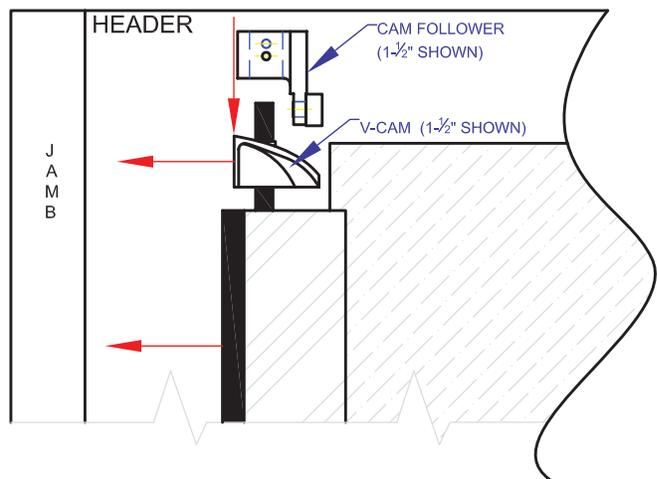$\frac{3}{8}$" TAP

$3\frac{3}{8}$"

JAMB

FROM V-CAM HOLES

3. Drill and tap bottom bearing holes ($\frac{5}{16}$" drill, $\frac{3}{8}$" tap). Locate bottom bearing from V-Cam holes, centerline to centerline as noted.

$3\frac{7}{8}$"

4" COMBINATION BOTTOM BEARING/ JAMB GUARD

JAMB

FLOOR

4.   Install the door leafs, bottom first.
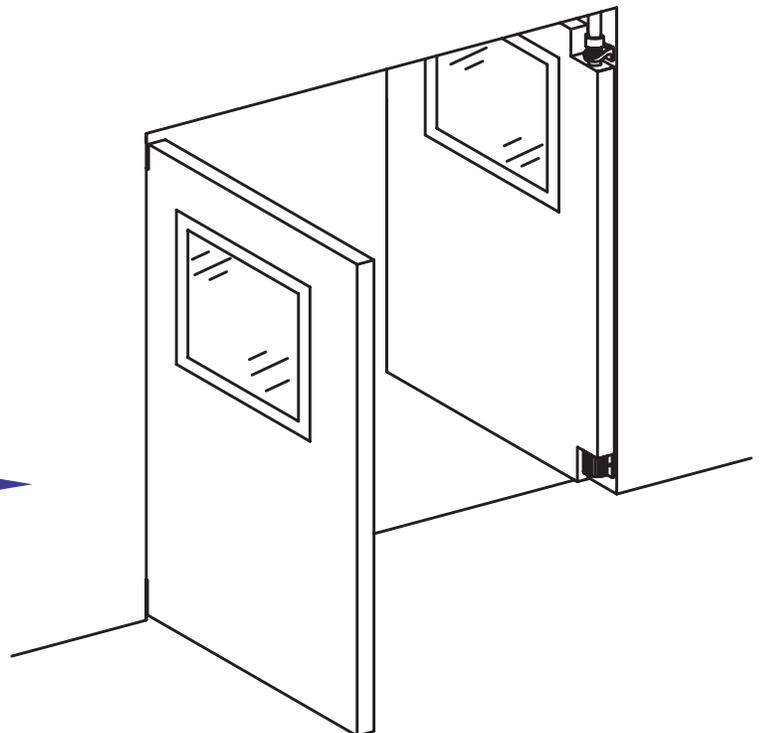

JAMB

FLOOR

4" COMBINATION BOTTOM
BEARING/ JAMB GUARD

5.   Shim if necessary - tighten bolts.

CAUTION: When using Weld Plates,
do not torque nuts more
than 30 ft. lbs.

HEADER

CAM FOLLOWER
(1-½" SHOWN)

V-CAM (1-½" SHOWN)

JAMB

6.   Make sure leafs swing freely in both
directions. If doors do not swing freely,
loosen bolts and re-align.

IMPACT TRAFFIC DOORS
INSTALLATION INSTRUCTIONS

IMPORTANT NOTE:

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carrier immediately upon discovering any concealed damage.

WARNING

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instructions contained in this manual. Failure to do so could result in serious injury or death.

HARDWARE:

1½" or ¾" V-CAM with Standard Bottom Bearing
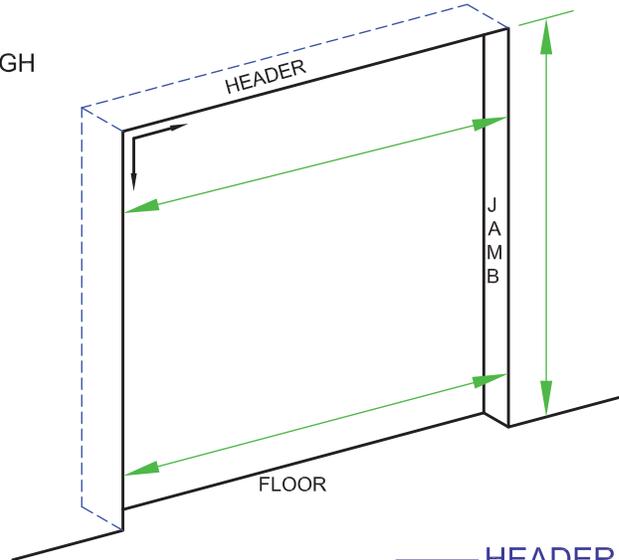
V-CAM HARDWARE OPTIONS APPLY TO:

FD-175 and XHD-175 Models

INSTALLATION INSTRUCTIONS

NOTE: Check shipping containers before releasing carrier. Notify carrier immediately upon discovering any concealed damage.
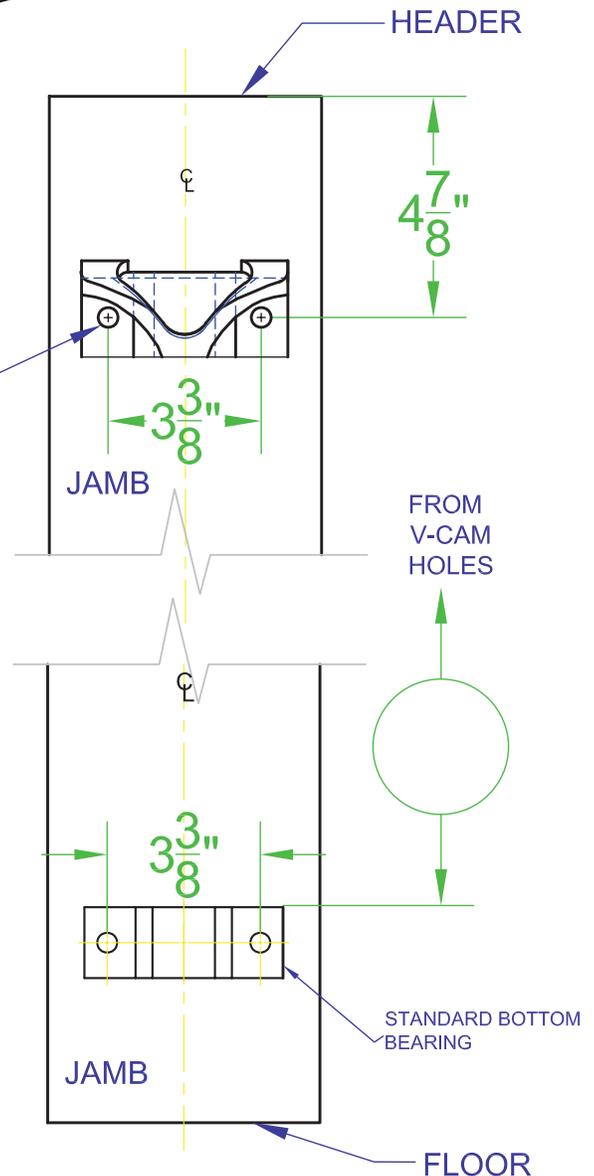
DOOR OPENING SIZE: _____" WIDE x _____" HIGH

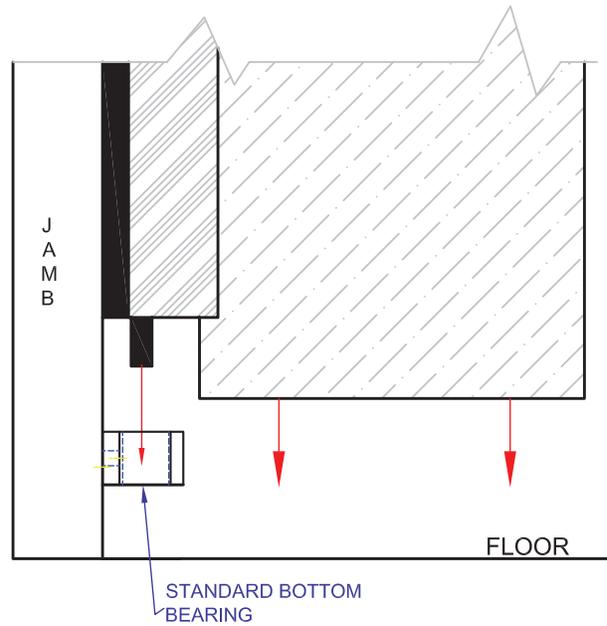1. Make sure jambs are plumb and square. Jamb recommendation: minimum 6" wide X $\frac{5}{16}$" thick (steel)

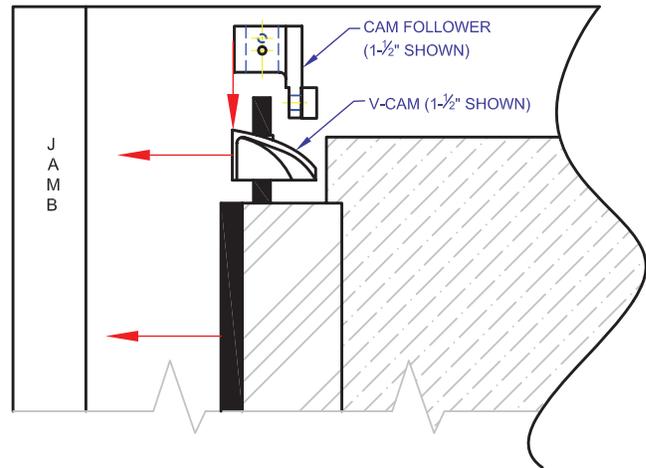2. Drill and tap Top V-Cam holes ($\frac{5}{16}$" drill - $\frac{3}{8}$" tap)

3. Drill and tap bottom bearing holes ($\frac{5}{16}$" drill - $\frac{3}{8}$" tap). Locate bottom bearing from V-Cam holes (top) centerline to centerline as noted.
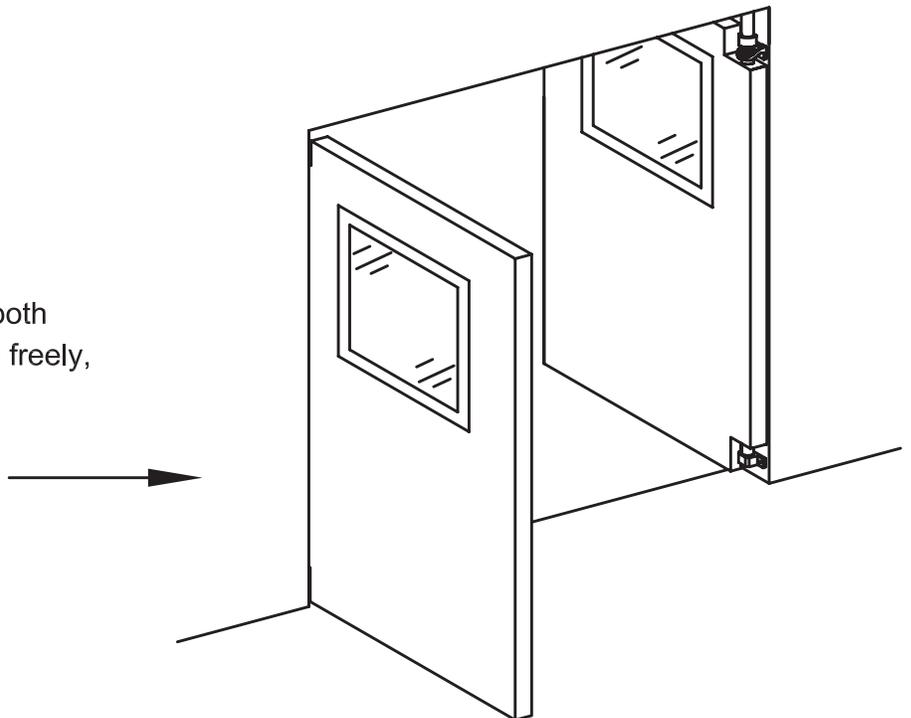
4. Install the door leafs, bottom first.

JAMB

FLOOR

STANDARD BOTTOM
BEARING

5. Shim if necessary - tighten bolts.

CAUTION: When using Weld Plates,
do not torque nuts more
than 30 ft. lbs.

CAM FOLLOWER
(1-½" SHOWN)

V-CAM (1-½" SHOWN)

JAMB

6. Make sure leafs swing freely in both
directions. If doors do not swing freely,
loosen bolts and re-align.

IMPACT TRAFFIC DOORS
INSTALLATION INSTRUCTIONS

IMPORTANT NOTE:

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carrier immediately upon discovering any concealed damage.

WARNING

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instructions contained in this manual. Failure to do so could result in serious injury or death.

HARDWARE:

1½" or ¾" V-CAM with 11⅛" Jamb Guard Cover and Spring Compensator
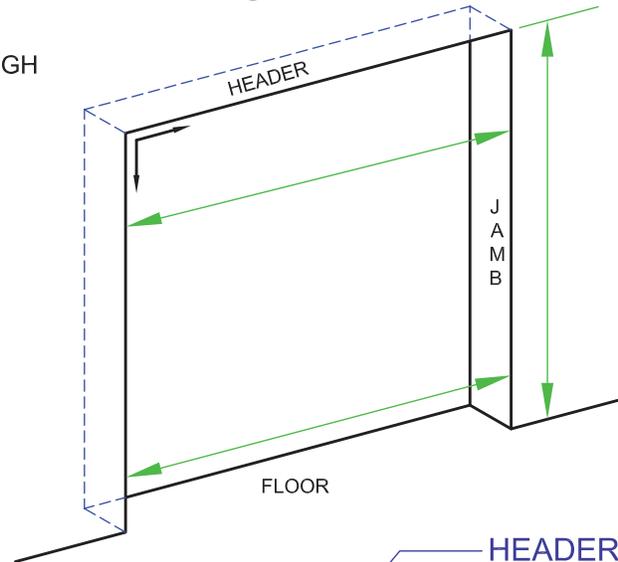
V-CAM HARDWARE OPTIONS APPLY TO:
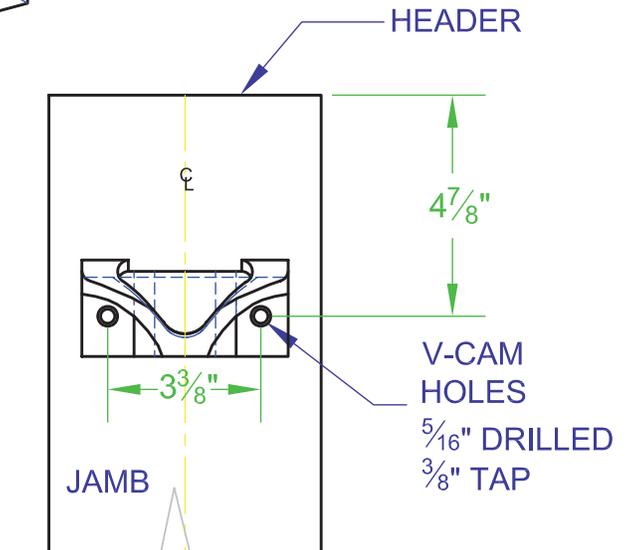
FD-175 and XHD-175 Models

INSTALLATION INSTRUCTIONS

NOTE: Check shipping containers before releasing carrier. Notify carrier immediately upon discovering any concealed damage.
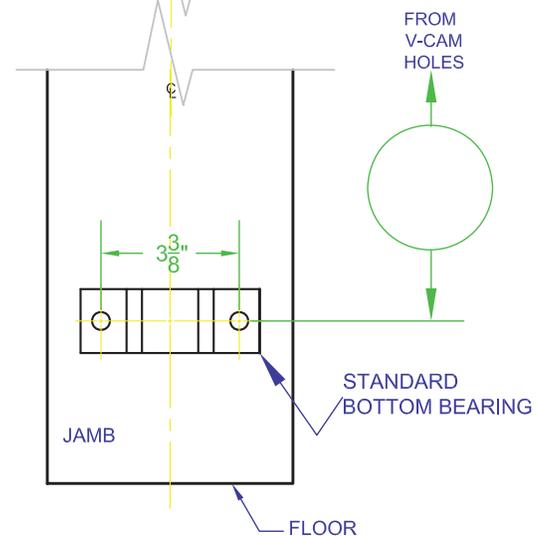
DOOR OPENING SIZE: _____" WIDE x _____" HIGH

HEADER

JAMB

FLOOR

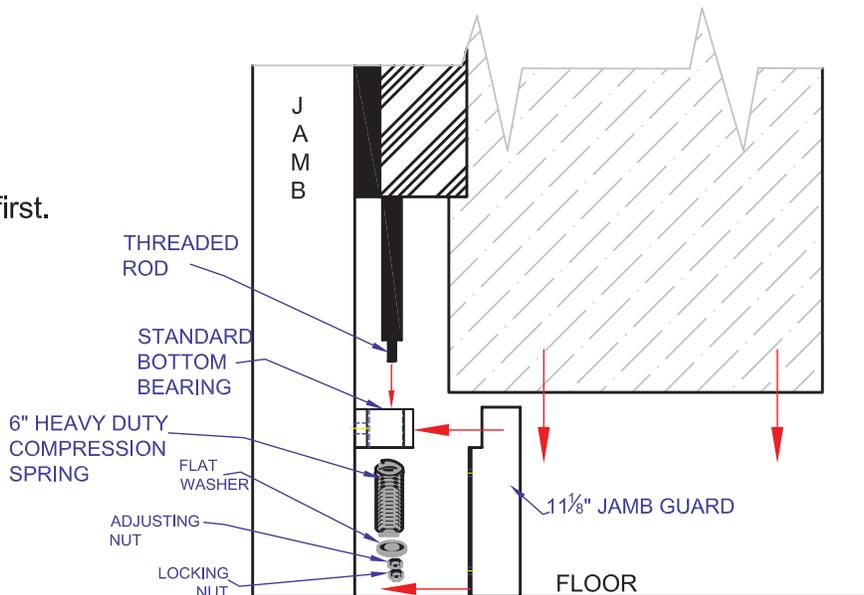1. Make sure jambs are plumb and square. Jamb recommendation: minimum 6" wide X $\frac{5}{16}$" thick (steel)

HEADER

$4\frac{7}{8}$"

2. Drill and tap Top V-Cam holes ($\frac{5}{16}$" drill - $\frac{3}{8}$" tap)

$3\frac{3}{8}$"

V-CAM HOLES
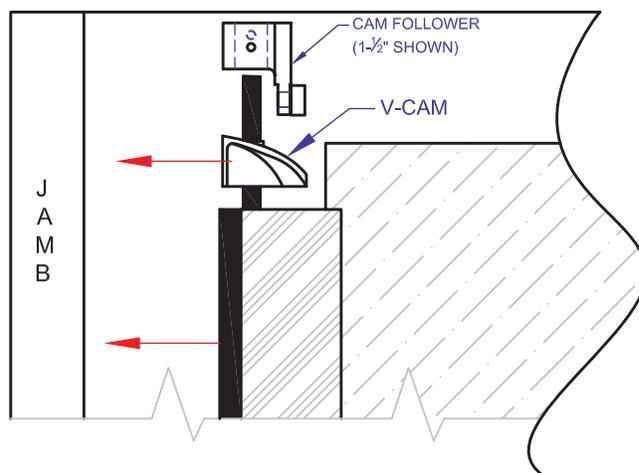$\frac{5}{16}$" DRILLED
$\frac{3}{8}$" TAP

JAMB

FROM V-CAM HOLES

3. Drill and tap bottom bearing holes ($\frac{5}{16}$" drill - $\frac{3}{8}$" tap). Locate bottom bearing from V-Cam holes, centerline to centerline as noted.

$3\frac{3}{8}$"

STANDARD BOTTOM BEARING

JAMB

FLOOR

4. Install the door leafs, bottom first.

JAMB

THREADED ROD

STANDARD BOTTOM BEARING

6" HEAVY DUTY COMPRESSION SPRING

FLAT WASHER

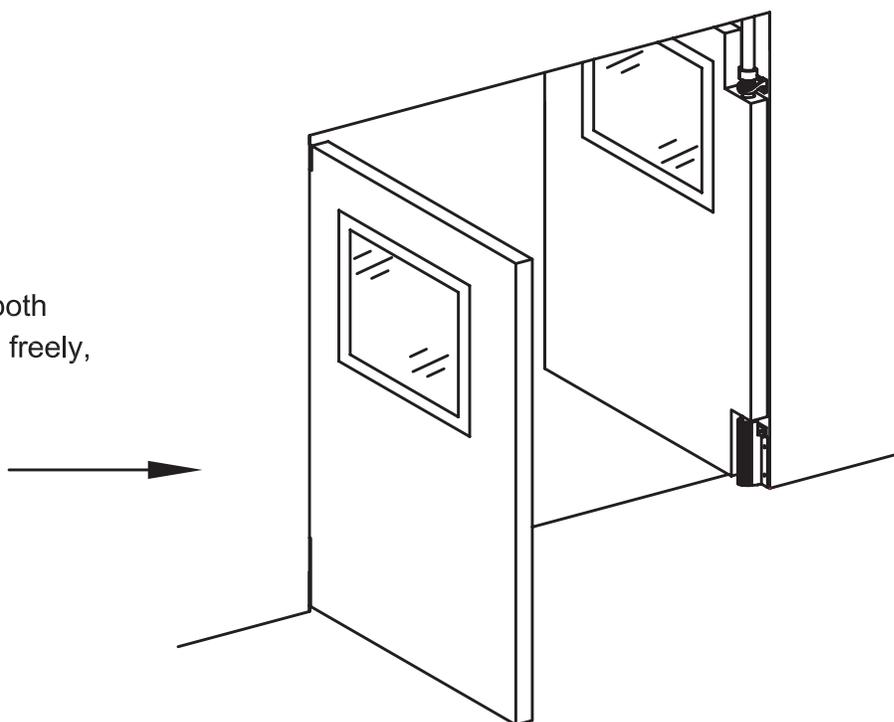ADJUSTING NUT

LOCKING NUT

11⅛" JAMB GUARD

FLOOR

5. Shim if necessary - tighten V-Cam and bottom bearing bolts before adjusting spring.

CAUTION: When using Weld Plates, do not torque nuts more than 30 ft. lbs.

CAM FOLLOWER (1-½" SHOWN)

V-CAM

JAMB

6. Make sure leafs swing freely in both directions. If doors do not swing freely, loosen bolts and re-align.

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INSTALLATION INSTRUCTIONS

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HARDWARE:

1½" Rise - 90° x 180° V-CAM and Bottom Bearing with
Adjustable Spring Compensator

V-CAM HARDWARE OPTIONS APPLY TO:

FD-175 and XHD-175 Models
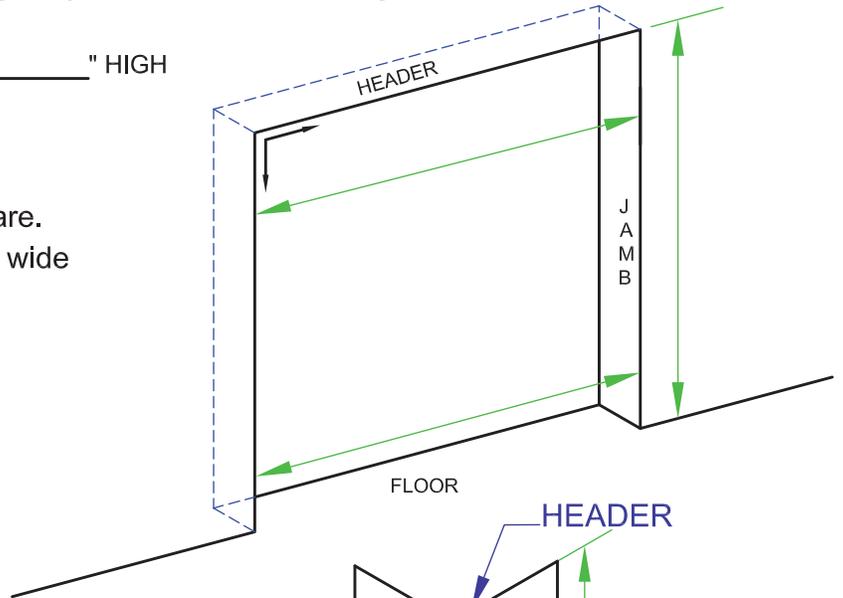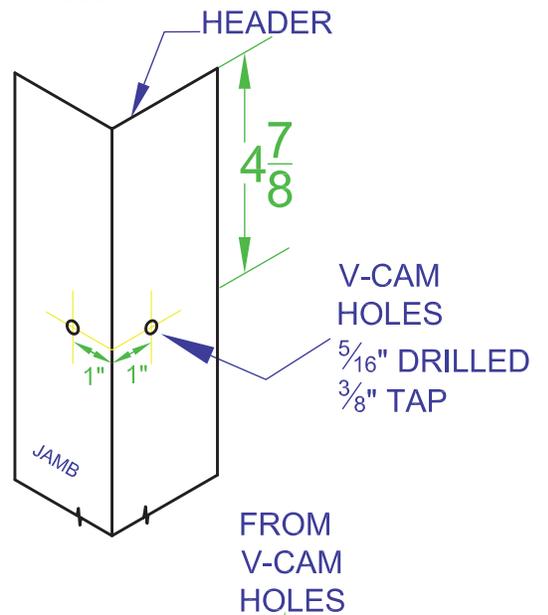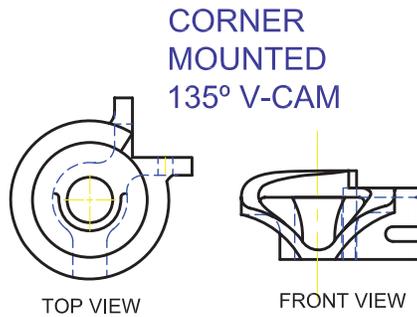
INSTALLATION INSTRUCTIONS

NOTE: Check shipping containers before releasing carrier. Notify carrier immediately upon discovering any concealed damage.
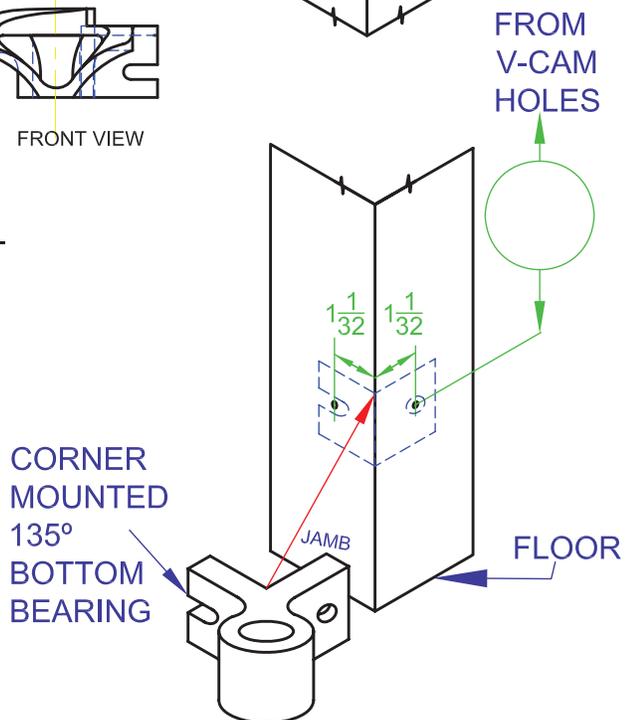
DOOR OPENING SIZE: _____" WIDE x _____" HIGH

HEADER

JAMB

FLOOR

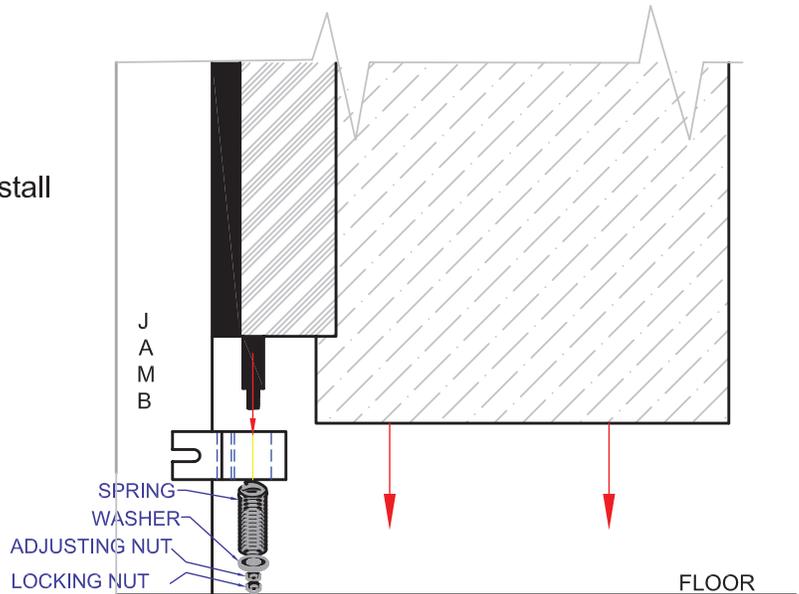1. Make sure jambs are plumb and square. Jamb recommendation: minimum 6" wide X $\frac{5}{16}$" thick (steel)

HEADER

$4\frac{7}{8}$

2. Drill and tap Top V-Cam holes ($\frac{5}{16}$" drill - $\frac{3}{8}$" tap)

V-CAM HOLES
$\frac{5}{16}$" DRILLED
$\frac{3}{8}$" TAP

1" 1"

JAMB

CORNER MOUNTED 135º V-CAM

TOP VIEW

FRONT VIEW

FROM V-CAM HOLES

3. Drill and tap bottom bearing holes ($\frac{5}{16}$" drill - $\frac{3}{8}$" tap). Locate bottom bearing from V-Cam holes, centerline to centerline as noted.
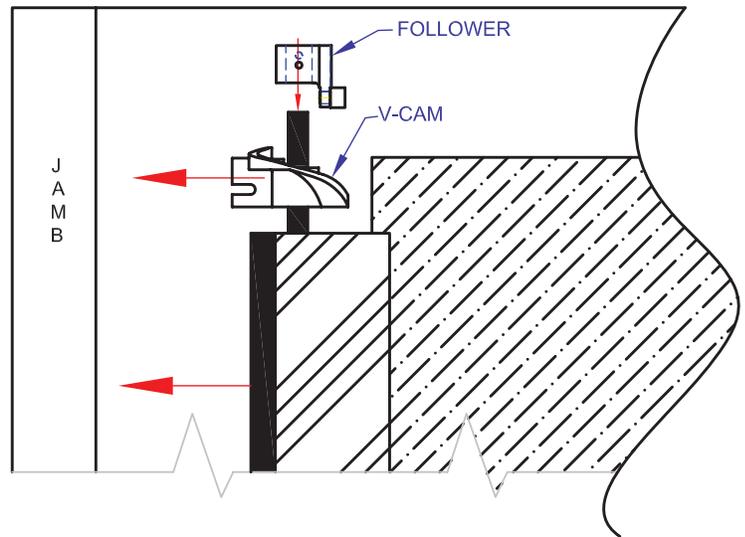
$1\frac{1}{32}$ $1\frac{1}{32}$

JAMB

CORNER MOUNTED 135º BOTTOM BEARING

FLOOR

4. Remove adjusting nut and spring to install bottom bearing. Install the door leafs, bottom first.

JAMB

SPRING
WASHER
ADJUSTING NUT
LOCKING NUT

FLOOR

5. Shim if necessary - tighten bolts on V-Cam and bottom bearing. - tighten adjusting nut on spring compensator to achieve desired tension.

CAUTION: When using Weld Plates, do not torque nuts more than 30 ft.lbs.

FOLLOWER

V-CAM

JAMB

6. Make sure leafs swing freely in both directions. If doors do not swing freely, loosen bolts and re-align.