

# INSTALLATION INSTRUCTIONS

## ACOUSTIC GASKET SYSTEM - A



### Installation of Perimeter Seals: Gasket System A

1. Install the Pemko 434 door bottom in accordance with the manufacturer's instructions prior to hanging the door. Eggers recommends countersinking the mounting holes and replacing the round head mounting screws with flat-head screws to attach the door bottom to the door. This will increase the clearance between door bottom and threshold.
2. Turn the adjustment screw on the door bottom in so that the seal will not activate when the door is closed.
3. Hang the door and adjust for proper clearances.
4. Install the Pemko 2005 threshold within the opening. The threshold should be installed parallel to the bottom of the door, shimming if required. A sealant, such as silicone caulk, should be used to prevent sound transmission between the threshold and floor. Thresholds should not be mounted over carpeting as this will not allow a good seal.
5. Prepare the frame by cleaning the jamb, header and stops where the S-88 seals will be applied.
6. Measure, cut and apply the S88 (teardrop-shaped) gasket to the frame stop, insuring a good seal in the corners (see photo 1). The Pemko S-88 should be full opening width on the top, with the vertical legs extending from the top of the threshold and butted against the top strip. Use full-length pieces to avoid joint gaps.
7. The second row of S-88 should be applied to the jamb and header, centered approximately ½" from the stop, with the bubble nearest to the stop. Use full-length pieces to avoid joint gaps.
8. Turn the adjustment screw on the door bottom out to the point where the seal makes uniform firm contact with the sill when the door is closed.



# INSTALLATION INSTRUCTIONS

## ACOUSTIC GASKET SYSTEM - B



### Installation of Perimeter Seals: Gasket System B

1. Install the Pemko 434 door bottom in accordance with the manufacturer's instructions prior to hanging the door.
2. Turn the adjustment screw on the door bottom in so that the seal will not activate when the door is closed.
3. Hang the door and adjust for proper clearances.
4. Prepare the frame by cleaning the jamb, header and stops where the S-88 seals will be applied.
5. Measure, cut and apply the S88 (teardrop-shaped) gasket to the frame stop, insuring a good seal in the corners (see photo 1). The Pemko S-88 should be full height or width of the opening and should not be spliced.
6. Turn the adjustment screw on the door bottom out to the point where the seal makes uniform firm contact with the sill when the door is closed. If a flat threshold is being used as the sill a sealant, such as silicone caulk, should be used to prevent sound transmission between the threshold and floor. Door bottoms should not be used over carpeted sills as this will not provide a good seal.



# INSTALLATION INSTRUCTIONS

## ACOUSTIC GASKET SYSTEM - C



### Installation of Perimeter Seals: Gasket System C

1. Install the Pemko 234 door shoe in the groove machined in to bottom of the door in accordance with the manufacturer's instructions prior to hanging the door.
2. Hang the door and adjust for proper clearances.
3. Install the Pemko 2005 threshold within the opening. The threshold should be installed parallel to the bottom of the door, shimming if required. When properly installed there should be a 1/8" clearance between the bottom of the door and the threshold when the door is closed. This will allow for 1/8" compression of the door shoe. A sealant, such as silicone caulk, should be used to prevent sound transmission between the threshold and floor. Thresholds should not be mounted over carpeting as this will not allow a good seal.
4. Prepare the frame by cleaning the jamb, header and stops where the S-88 seals will be applied.
5. Measure, cut and apply the S88 (teardrop-shaped) gasket to the frame stop, insuring a good seal in the corners (see photo 1). The Pemko S-88 should be full opening width on the top, with the vertical legs extending from the top of the threshold and butted against the top strip. Use fulllength pieces to avoid joint gaps.
6. The second row of S-88 should be applied to the jamb and header, centered approximately 1/2" from the stop, with the bubble nearest to the stop. Use full-length pieces to avoid joint gaps.



# INSTALLATION INSTRUCTIONS

## ACOUSTIC GASKET SYSTEM - I



### Installation of Perimeter Seals: Gasket System I

1. Install the automatic door bottom in accordance with the manufacturer's instructions prior to hanging the door.
2. Turn the adjustment screw on the door bottom in so the seal will not activate when the door is closed.
3. Hang the door and adjust for proper clearances.
4. Prepare the frame by cleaning the jamb, header, and stops where the perimeter seals will be applied.
5. Measure, cut, and apply the S88 (teardrop-shaped) gasket to the frame stop, insuring a good seal in the corners (see Photo 1). The Pemko S-88 should be full height or width of the opening and should not be spliced.
6. Turn the adjustment screw on the door bottom out to the point where the seal makes uniform firm contact with the sill when the door is closed. If a flat threshold is being used as the sill, a sealant such as silicone caulk should be used to prevent sound transmission between the threshold and floor. Installing a threshold or door bottom over carpeting will not provide a good seal and will void the STC guaranty.



# INSTALLATION INSTRUCTIONS

## ACOUSTIC GASKET SYSTEM - K



### Installation of Perimeter Seals: Gasket System K

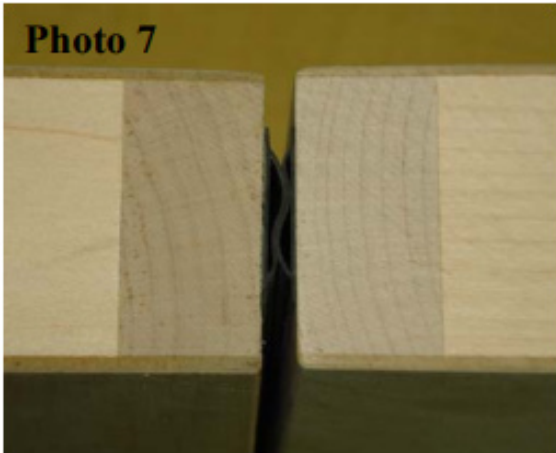
1. Install the door bottom prior to hanging the door.
2. Hang the door and adjust for proper clearances.
3. Turn the adjustment screw on the door bottom in so that the seal will not activate when the door is closed.
4. Prepare the frame by cleaning the jamb, header and stops where the S-88 seals will be applied.
5. Measure, cut and apply the S88 (teardropshaped) gasket to the frame stop, insuring a good seal in the corners (see photo 1).
6. Locate the two foam pads for the frame jambs (these two pads do not have a beveled edge or vinyl facing).
7. Apply these two pads to the bottom of the jambs adjacent to the S-88 installed on the stops in step 2 (see photo 2).
8. Locate one foam pad for the header (this pad has a bevel on one edge and a vinyl facing).
9. Apply this pad centered over the meeting edges of the pairs on the header, with the beveled edge facing away from the stop, and adjacent to the S88 installed on the stops in step 2 (see photo 3).
10. Measure, cut and apply the S88 (teardrop-shaped) gasket to the jambs and header so that it butts against the foam pads and forms a good seal in the corners (see photos 4 and 5).
11. Clean the meeting edges of the doors.
12. Measure, cut and apply a strip of S1125 to the meeting edge of each leaf. Apply the strips at the same location on each leaf, at a point where they will make good contact with each other but not cause binding when the doors are closed (see photos 6 and 7).
13. Turn the adjustment screw on the door bottom out to the point where the seal makes uniform firm contact with the sill when the door is closed.

# INSTALLATION INSTRUCTIONS

## ACOUSTIC GASKET SYSTEM - K



Installation of Perimeter Seals: Gasket System K {Cont'd}



# INSTALLATION INSTRUCTIONS

## ACOUSTIC GASKET SYSTEM - M



### Installation of Perimeter Seals: Gasket System M

1. Install the Pemko 234 door shoe in the groove machined in to bottom of the door in accordance with the manufacturer's instructions prior to hanging the door.
2. Hang the door and adjust for proper clearances.
3. Install the Pemko 151 threshold within the opening. The threshold should be installed parallel to the bottom of the door, shimming if required. When properly installed there should be a 1/8" clearance between the bottom of the door and the threshold when the door is closed. This will allow for 1/8" compression of the door shoe gasket. A sealant, such as silicone caulk, should be used to prevent sound transmission between the threshold and floor. Thresholds should not be mounted over carpeting as this will not allow a good seal.
4. Prepare the frame by cleaning the jamb, header, and stops where the S-88 seals will be applied.
5. Measure, cut and apply the S88 (teardrop-shaped) gasket to the frame stop, insuring a good seal in the corners (see photo 1). The Pemko S-88 should be full opening width on the top, with the vertical legs extending from the top of the threshold and butted against the top strip. Use full-length pieces to avoid joint gaps.
6. The second row of S-88 should be applied to the jamb and header, centered approximately 1/2" from the stop, with the bubble nearest to the stop. Use full-length pieces to avoid joint gaps.



# INSTALLATION INSTRUCTIONS

## ACOUSTIC GASKET SYSTEM - N



### Installation of Perimeter Seals: Gasket System N

1. Cut the DHSI AMDB-3 to match the door machining (either full width or to the solid wood latch edge. Install to the bottom of the door using the screws supplied with the seal.
2. Hang the door and adjust for proper clearances.
3. Prepare the frame by cleaning the jambs and header where the frame seals will be applied.
4. Measure, cut and apply the DHSI 105 gasket on the frame jamb and header, adjacent to the stop. Trim the ends where they meet in the corners such that a good seal will be maintained when the door is in the closed position. The 105 gasket should be full height or width of the opening and should not be spliced.
5. Apply a piece of decibel plug to the bottom of both jambs, adjacent to the 105 gasket. The decibel plug should be sized as required during installation to 1-1/2" wide by the dimension between the top of the AMDB-3 and the sill (undercut + AMDB-3 mortise depth).

Note: The thickness of the decibel plug will be 3/8" where the AMDB-3 is not visible on the edge of the door (solid wood edge) and 1/4" where the AMDB-3 extends through the stile.



# INSTALLATION INSTRUCTIONS

## ACOUSTIC GASKET SYSTEM - P



### Installation of Perimeter Seals: Gasket System P

1. Cut the DHSI Cap Sweep (CS) to match the door width, and install it to the bottom of the door using a sealant such as 100% silicone, small screws, or a combination. Allow the sealant to cure prior to hanging the door.
2. Hang the door and adjust for proper clearances.
3. Prepare the frame by cleaning the jambs and header where the frame seals will be applied.
4. Measure, cut and apply the DHSI 105 gasket on the frame jamb and header, adjacent to the stop. Trim the ends where they meet in the corners such that a good seal will be maintained when the door is in the closed position. The 105 gasket should be full height or width of the opening and should not be spliced.
5. Apply a piece of decibel plug to the bottom of both jambs, adjacent to the 105 gasket. This decibel plug should be sized as required during installation to 1-1/2" wide by the dimension of the undercut.
6. Measure, cut and apply the DHSI Surface Astragal (SA) gasket. This seal should be located adjacent to the pull face of the frame on both jambs and the header. Trim the ends where they meet in the corners such that a good seal will be maintained when the door is in the closed position. The SA gasket should be full height or width of the opening and should not be spliced.

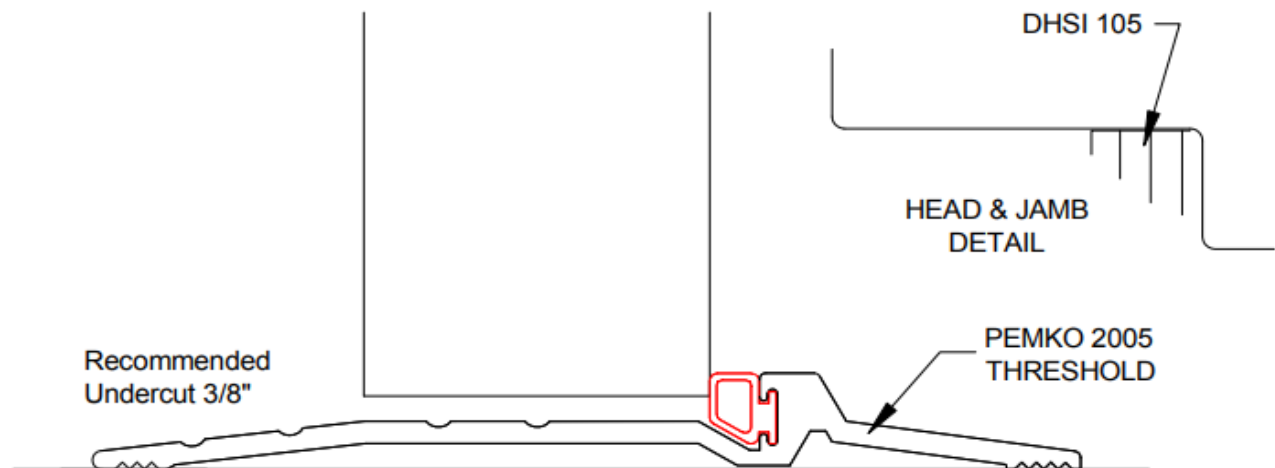
# INSTALLATION INSTRUCTIONS

## ACOUSTIC GASKET SYSTEM - Q



### Installation of Perimeter Seals: Gasket System Q

1. Hang the door and adjust for proper clearances.
2. Install the Pemko 2005 threshold within the opening. The threshold should be installed parallel to the bottom of the door, shimming if required. When properly installed there should be a 1/8" clearance between the bottom of the door and the threshold when the door is closed. The threshold seal should be in uniform contact with the door face and slightly compressed. A sealant, such as silicone caulk, should be used to prevent sound transmission between the threshold and floor. Thresholds should not be mounted over carpeting as this will not allow a good seal.
3. Install a strip of DHSI 150 seal to the jambs and the header with the longest fin adjacent to the frames stop. Fins should be interlaced where they meet in the corners.



# INSTALLATION INSTRUCTIONS

## ACOUSTIC GASKET SYSTEM - R



### Installation of Perimeter Seals: Gasket System R

1. Install the Zero 369 door bottom in accordance with the manufacturer's instructions prior to hanging the door.
2. Turn the adjustment screw on the door bottom in so that the seal will not activate when the door is closed.
3. Hang the door and adjust for proper clearances.
4. Prepare the frame by cleaning the jamb, header and stops where the frame seals will be applied.
5. Measure, cut and apply the Zero 8145S gasket on the frame jamb and header, adjacent to the stop. Trim the ends where they meet in the corners such that a good seal will be maintained when the door is in the closed position. The Zero 8145S should be full height or width of the opening and should not be spliced.
6. Measure, cut and apply the Zero 119W gasket on the frame jamb and header. This seal should be located adjacent to the pull face of the frame. Trim the ends where they meet in the corners such that a good seal will be maintained when the door is in the closed position. The Zero 119W should be full height or width of the opening and should not be spliced.
7. Turn the adjustment screw on the door bottom out to the point where the seal makes uniform firm contact with the sill when the door is closed. If a flat threshold is being used a sealant, such as silicone caulk, should be used to prevent sound transmission between the threshold and floor. Door bottoms should not be used over carpeted sills as this will not provide a good seal.

# INSTALLATION INSTRUCTIONS

## ACOUSTIC GASKET SYSTEM - S

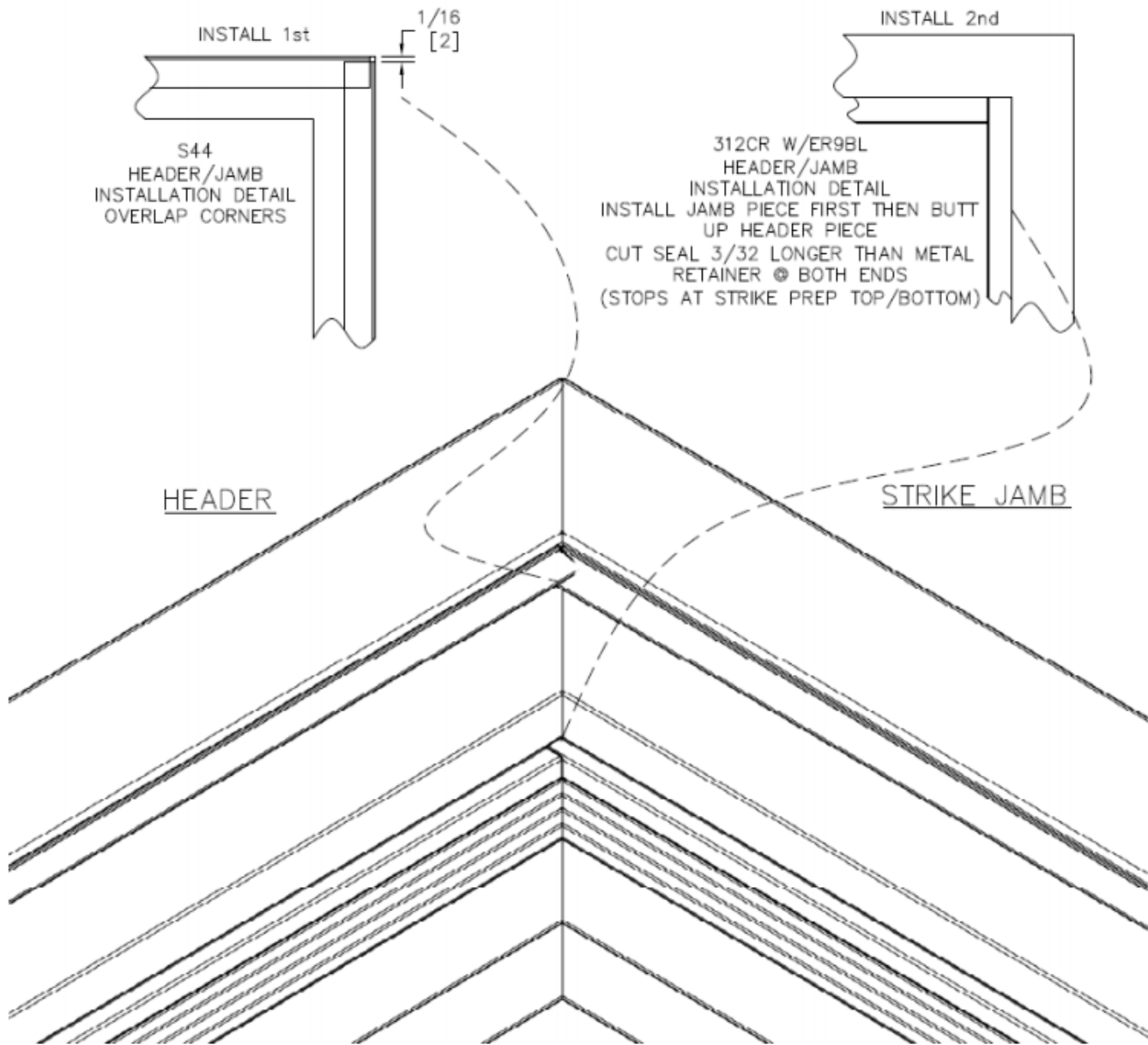


### Installation of Perimeter Seals: Gasket System S

1. Hang the door and adjust for proper clearances.
  2. Install the Pemko 2008STCxQ380 threshold within the opening. The threshold should be installed parallel to the bottom of the door, shimming if required. When properly installed there should be a 1/8" clearance between the bottom of the door and the threshold when the door is closed. The threshold seal should be in uniform contact with the door face and slightly compressed. A sealant, such as silicone caulk, should be used to prevent sound transmission between the threshold and floor/frame. Thresholds should not be mounted over carpeting as this will not allow a good seal.
  3. Install a row of Pemko S44 seal to the leading edge of the jambs and the header.
  4. Locate and attach the 312CR w/ER9 to the frame. When properly installed this seal and the threshold seal will provide continuous contact to the face of the door when it is latched closed.
- Refer to drawing on following pages -

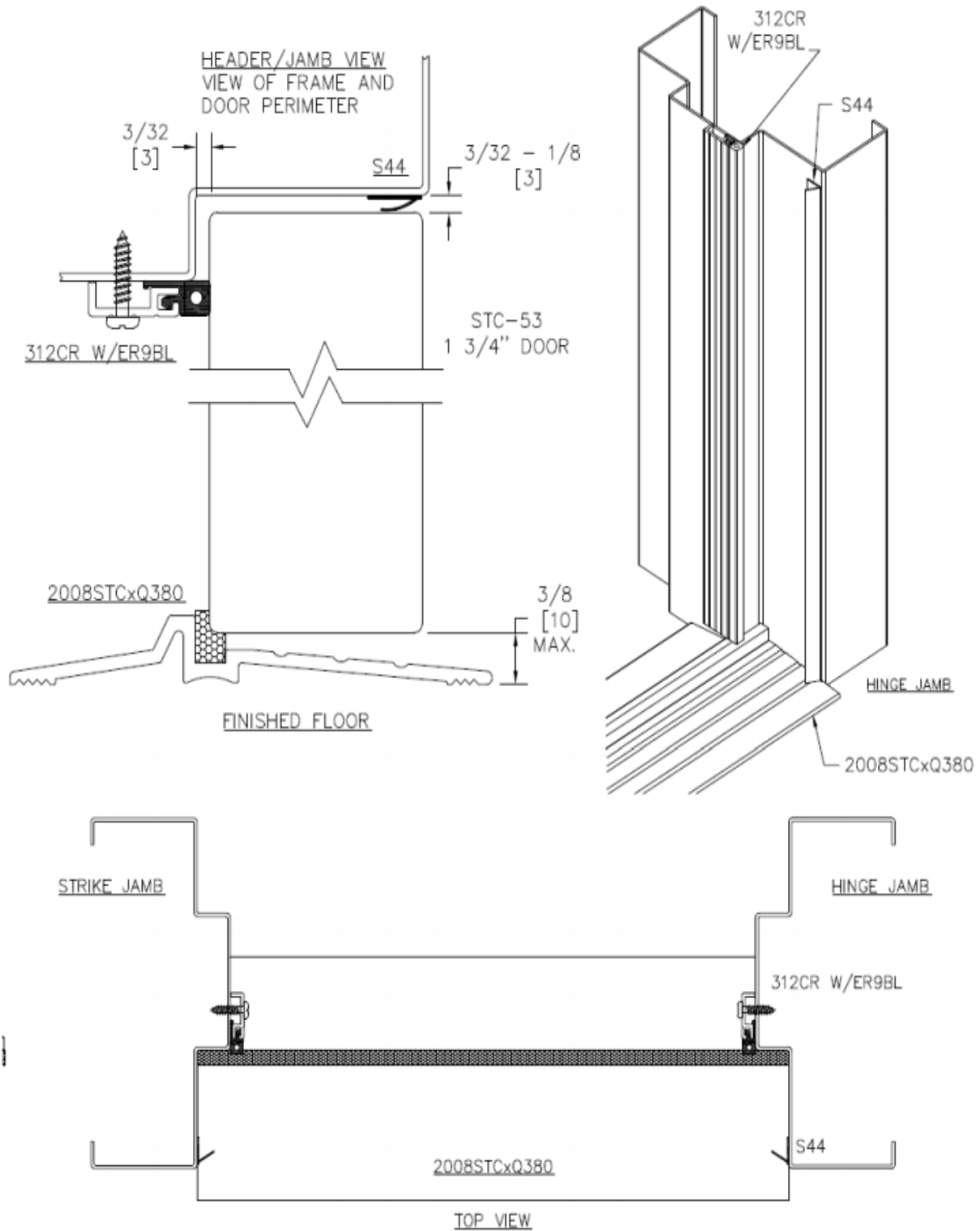
# INSTALLATION INSTRUCTIONS

## ACOUSTIC GASKET SYSTEM - S



# INSTALLATION INSTRUCTIONS

## ACOUSTIC GASKET SYSTEM - S



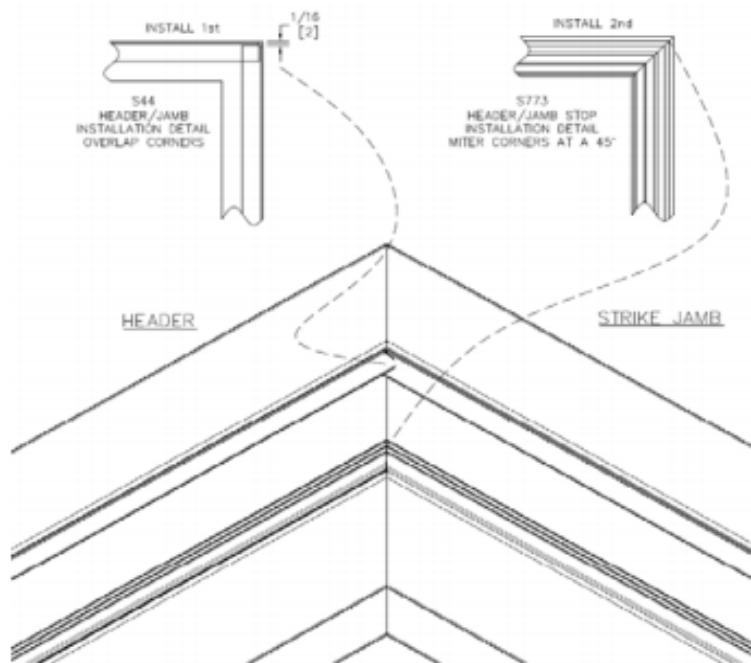
# INSTALLATION INSTRUCTIONS

## ACOUSTIC GASKET SYSTEM - T



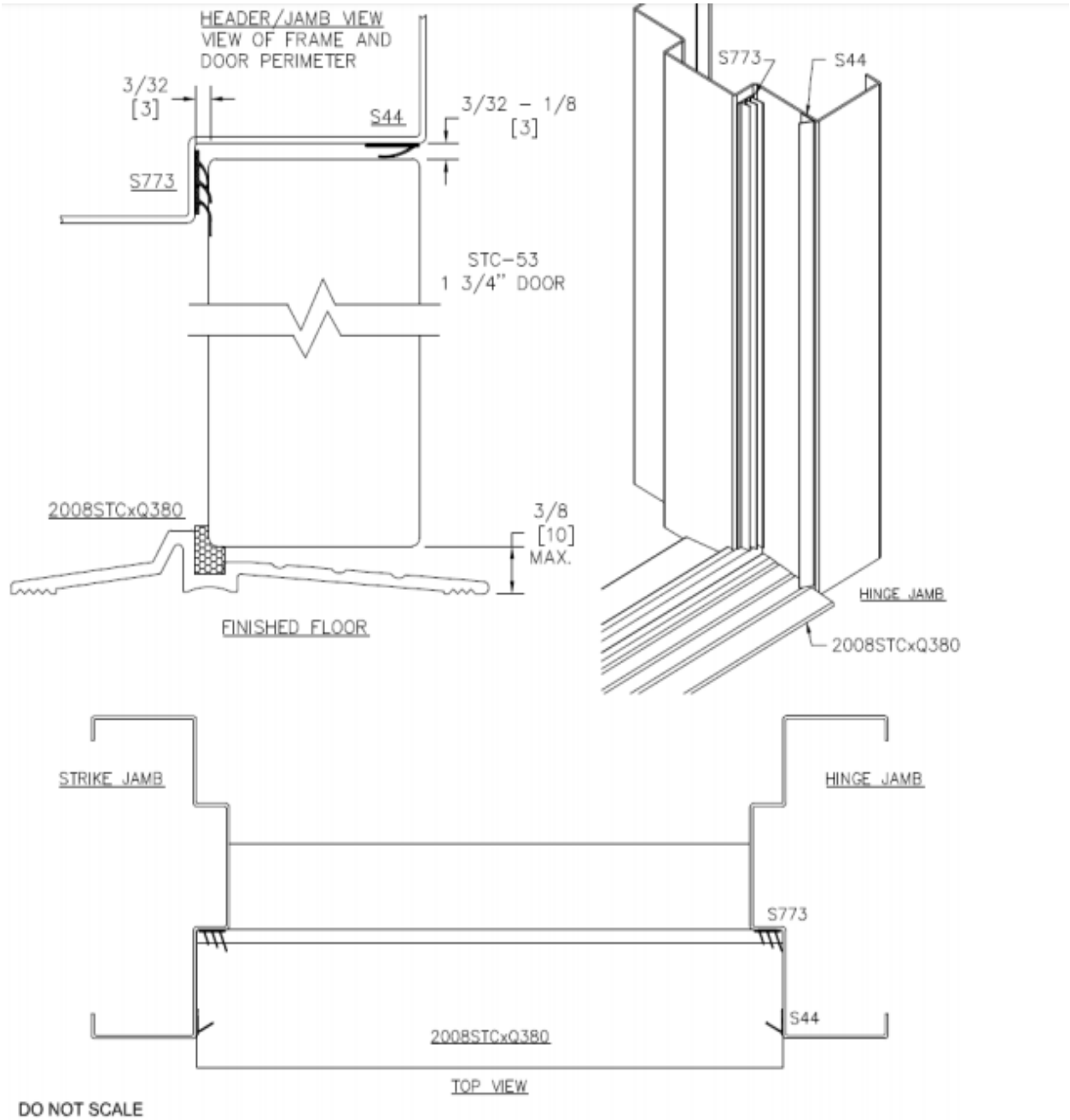
### Installation of Perimeter Seals: Gasket System T

1. Hang the door and adjust for proper clearances.
  2. Install the Pemko 2008STCxQ380 threshold within the opening. The threshold should be installed parallel to the bottom of the door, shimming if required. When properly installed there should be a 1/8" clearance between the bottom of the door and the threshold when the door is closed. The threshold seal should be in uniform contact with the door face and slightly compressed. A sealant, such as silicone caulk, should be used to prevent sound transmission between the threshold and floor/frame. Thresholds should not be mounted over carpeting as this will not allow a good seal.
  3. Install a row of Pemko S44 seal to the leading edge of the jambs and the header.
  4. Install a row of S773 to the header and jamb stop.
- Refer to drawing on following pages -



# INSTALLATION INSTRUCTIONS

## ACOUSTIC GASKET SYSTEM - T





# INSTALLATION INSTRUCTIONS

## ACOUSTIC GASKET SYSTEM - U



### Installation of Perimeter Seals: Gasket System U

1. Install the PDB411AE door bottom in the machined channel. Door bottom should extend the full door width.
2. Hang the door and adjust for proper clearances.
3. Install a row of Pemko S44 seal to the leading edge of the jambs and the header.
4. Install a row of S773 to the header and jamb adjacent to the stop.
5. Attach the ACP112 pad between the S44 and S773 at the bottom of the frame jambs, trimming the S773 as required.

- Refer to drawing on following pages -

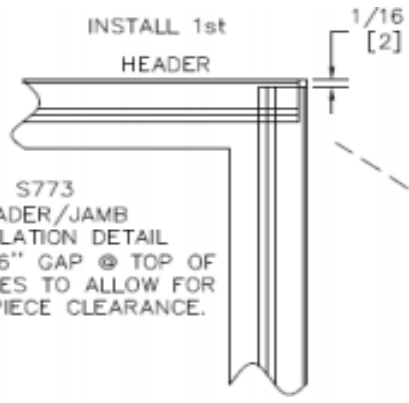
# INSTALLATION INSTRUCTIONS

## ACOUSTIC GASKET SYSTEM - U



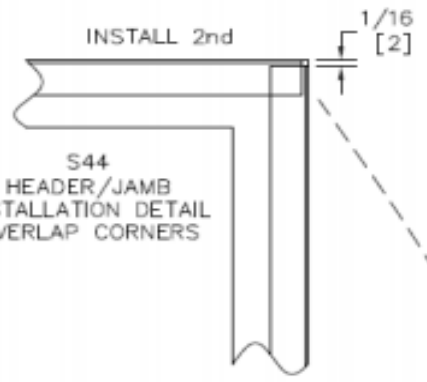
INSTALL 1st  
HEADER

S773  
HEADER/JAMB  
INSTALLATION DETAIL  
LEAVE 1/16" GAP @ TOP OF  
JAMB PIECES TO ALLOW FOR  
HEADER PIECE CLEARANCE.



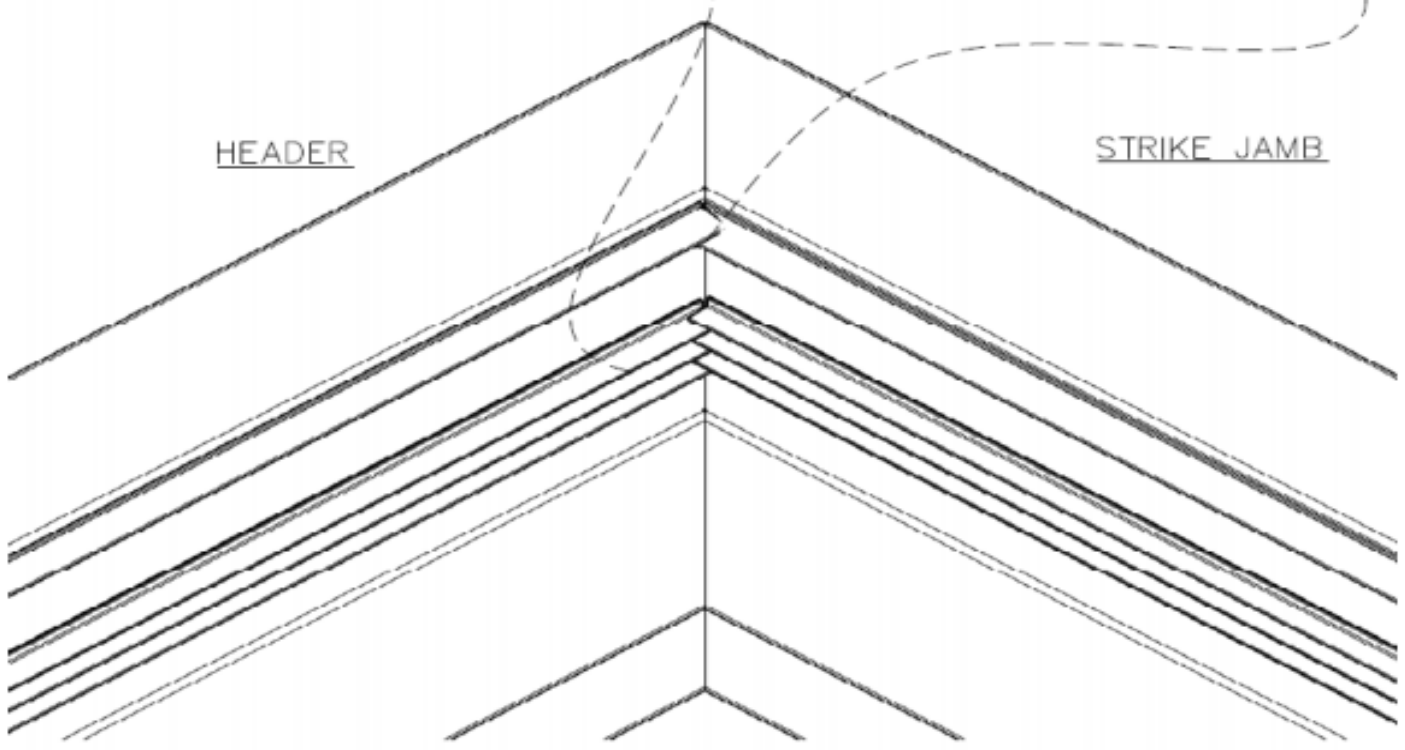
INSTALL 2nd

S44  
HEADER/JAMB  
INSTALLATION DETAIL  
OVERLAP CORNERS



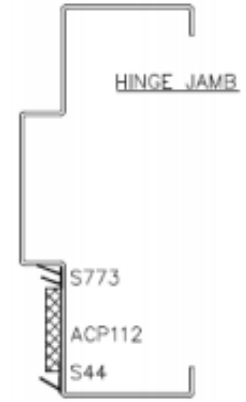
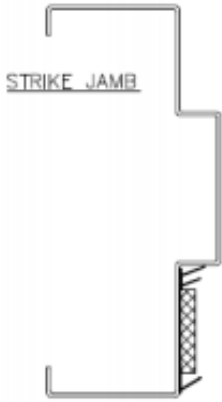
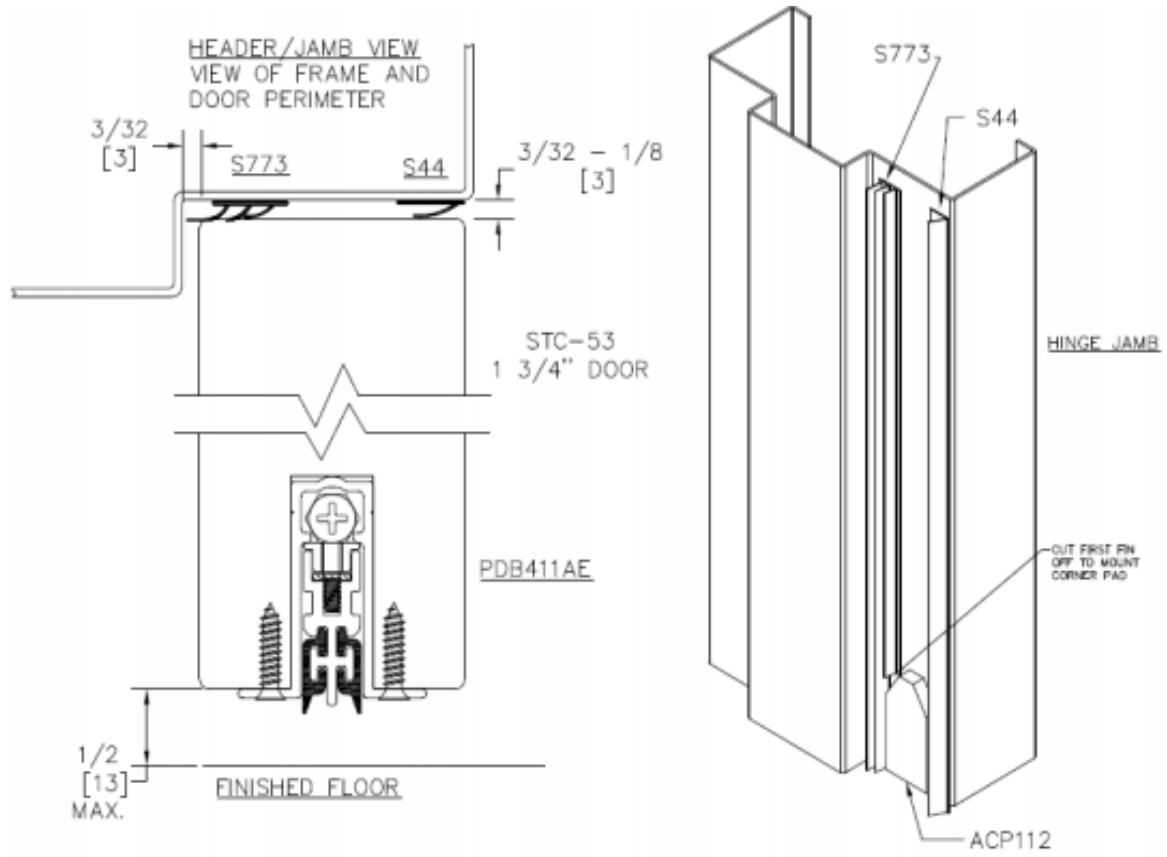
HEADER

STRIKE JAMB



# INSTALLATION INSTRUCTIONS

## ACOUSTIC GASKET SYSTEM - U



TOP VIEW

DO NOT SCALE