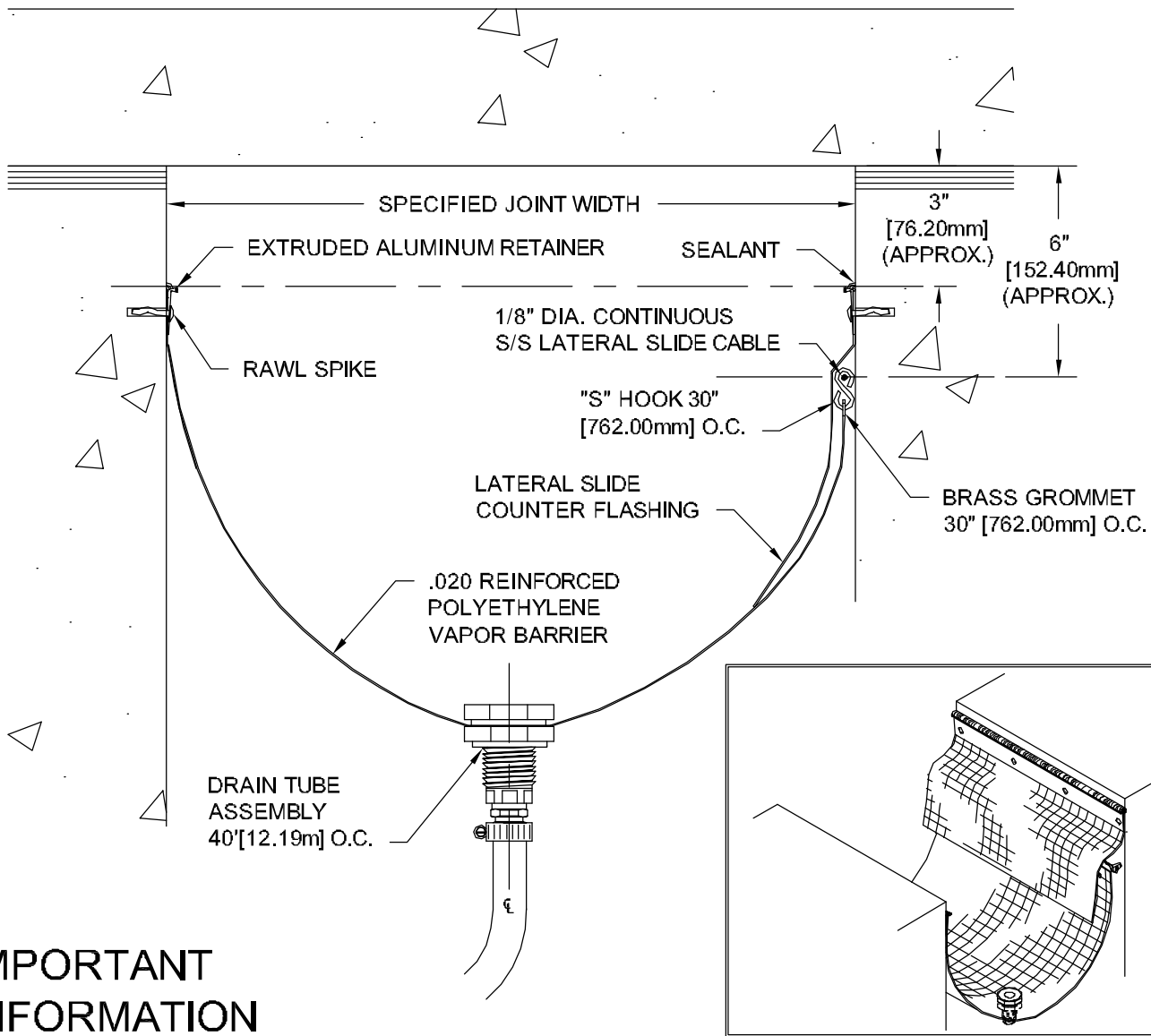


LATERAL SLIDE VAPOR BARRIER INSTALLATION INSTRUCTIONS

12GA



IMPORTANT INFORMATION

Prior to the commencement of installation, all materials **MUST** be inspected for damage. Any damage must be reported to CONSTRUCTION SPECIALTIES, INC., as soon as possible, so that replacement materials may be furnished without delay.

All work must be completed as per Architect's Approved "Shop Drawings", and in accordance with these Installation Instructions. When installation is complete, all materials must be protected from damage until the Architect's FINAL INSPECTION.

All materials should be arranged in the order that they are to be installed. All hardware required for each portion of the work should be placed with the appropriate materials.

Please review all Approved Shop Drawings and this document to familiarize yourself with all the details and components of this assembly.

IMPORTANT:
READ THROUGH ALL INSTRUCTIONS PRIOR TO STARTING INSTALLATION

3/6/09

Notes

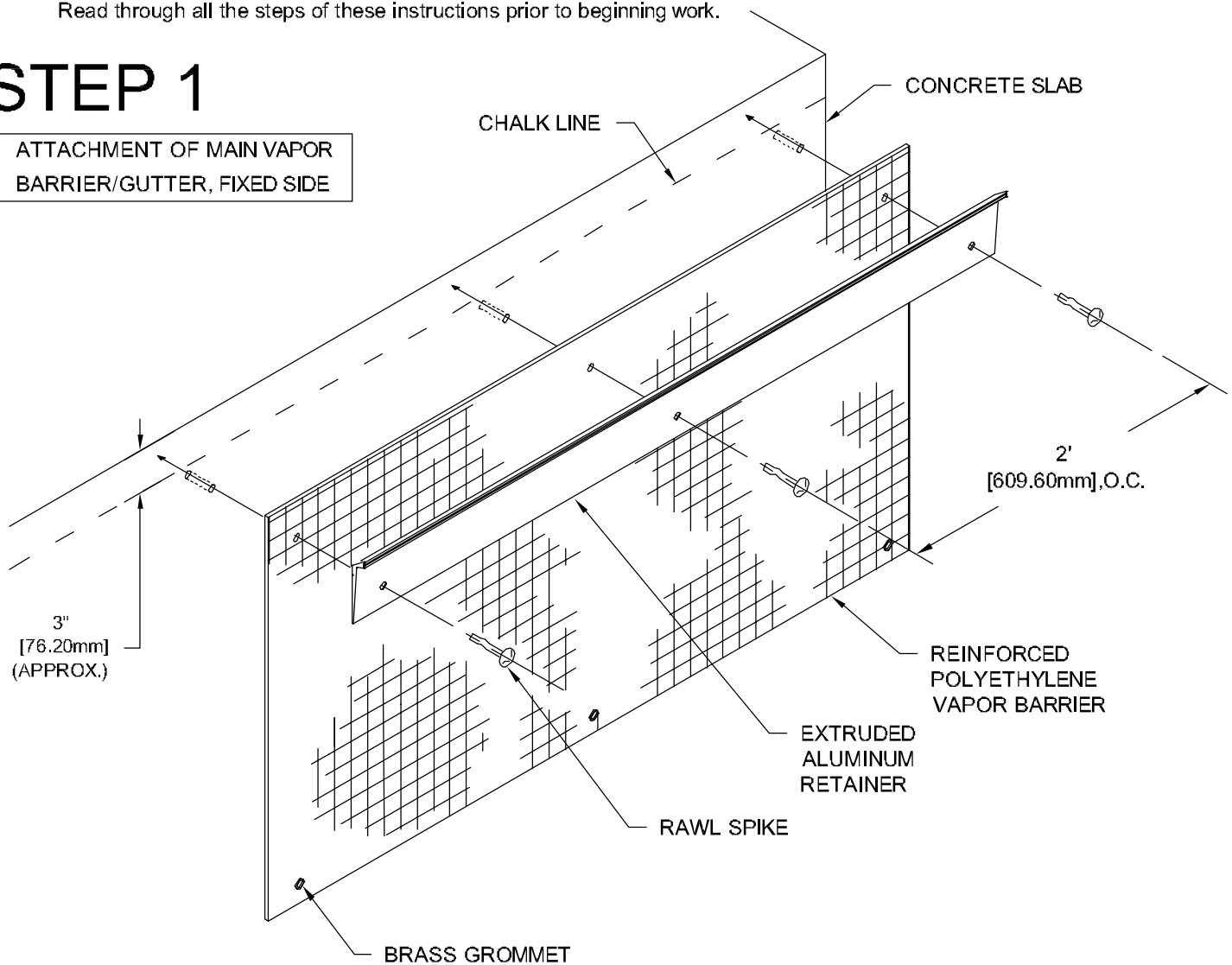
Before beginning installation, review the architectural drawings and approved Construction Specialties Inc. shop drawings to familiarize yourself with the joint cover models and locations.

Check all of the Vapor Barrier/Gutter components to confirm that the correct materials have been received. Also, check for materials that may have been damaged during shipping. Report all incorrect and/or damaged components to C/S at 800-233-8493.

Read through all the steps of these instructions prior to beginning work.

STEP 1

ATTACHMENT OF MAIN VAPOR BARRIER/GUTTER, FIXED SIDE



Step 1:

- 1.1) Establish the distance from the top of the slab to the top edge of the Vapor Barrier and strike a chalk line.

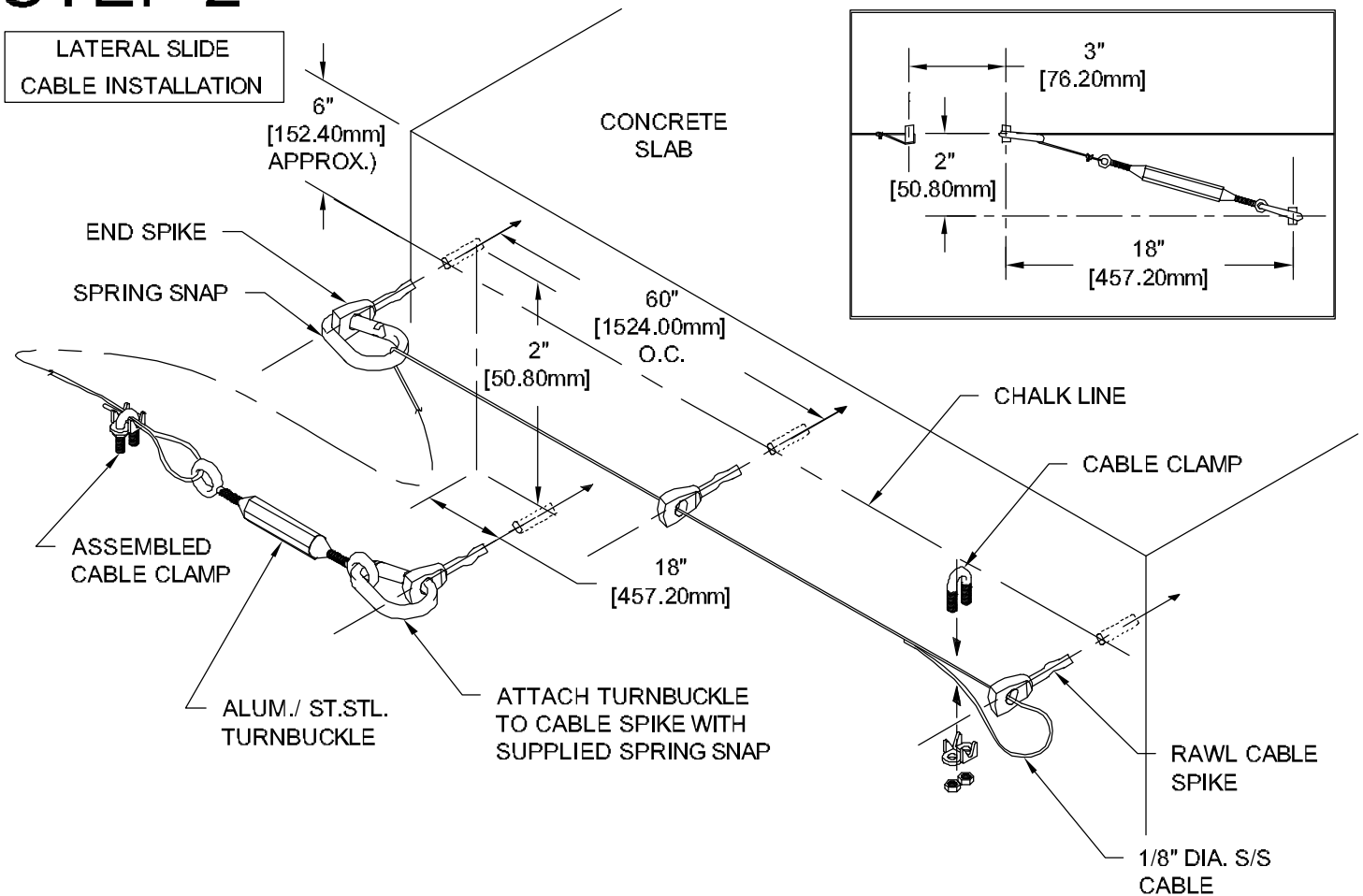
Note:

Be sure to allow enough distance from the bottom of the slab above, to be able to drill, to swing a hammer and to apply a $\frac{1}{4}$ " bead of caulk to the top of the Retainer. The recommended minimum distance is 3".

When mounting the Vapor Barrier/Gutter System from above, the distance from the top of the slab need only be sufficient enough to accommodate the adjacent joint cover system. See shop drawings for references.

- 1.2) Cut a length of the appropriate Vapor Barrier which is long enough for the run. If the run is greater than 100', see splicing instructions (Step 4).
- 1.3) Place the long edge (opposite the grommets) along the chalk line, and temporarily tape in position. Align section of aluminum Retainer with the top edge of the Vapor Barrier. Using the holes in the Retainer as a guide, drill and anchor the Retainer with the C/S supplied Rawl Spike anchors. Continue until all Retainers for the run are installed.
- 1.4) Run a $\frac{1}{4}$ " bead of silicone sealant along the top edge of the Retainer.

STEP 2



Step 2:

- 2.1) On opposite side of the joint, locate the centerline of the Lateral Slide Cable by measuring 6" down from the top of the slab and strike a chalk line. (The sufficient space above the cable to mount the Lateral Slide counter flashing.)
- 2.2) Determine the length of Cable required for a run based on the following criteria:
 - If the total length of a run of gutter is 50' or less, 1 length of Cable will be required.
 - If the total length of the run of gutter is greater than 50' but less than 100'; it will require 2 equal lengths of Cable to be strung.
 - If the total length of a run of gutter is greater than 100'. It should be strung with as many 50' lengths as possible. With the remaining distance to be strung with a single length greater than 10'. If the remaining length is less than 10', add it to the 50' length of Cable and divide the run into equal Cable lengths.
- 2.3) Starting approximately 3" in from one end of the run (or previously run of Cable) drill holes and install the supplied Cable Spikes, at 60" o.c., along chalk line. All of the Cable Spikes are to be positioned vertically to receive the Cable.
- 2.4) At one end of each run of Cable, add an additional Cable Spike 2" below, and 18" in from the end Spike as an anchor for the Turnbuckle. Place a Spring Snap in the end Spike.
- 2.5) Cut a length of Cable approximately (2) feet longer than length of the run (the excess material is needed to create the loops for attachment). Loop one end of the cable through the eyebolt of the Turnbuckle assembly, and secure the Cable with a Clamp provided.

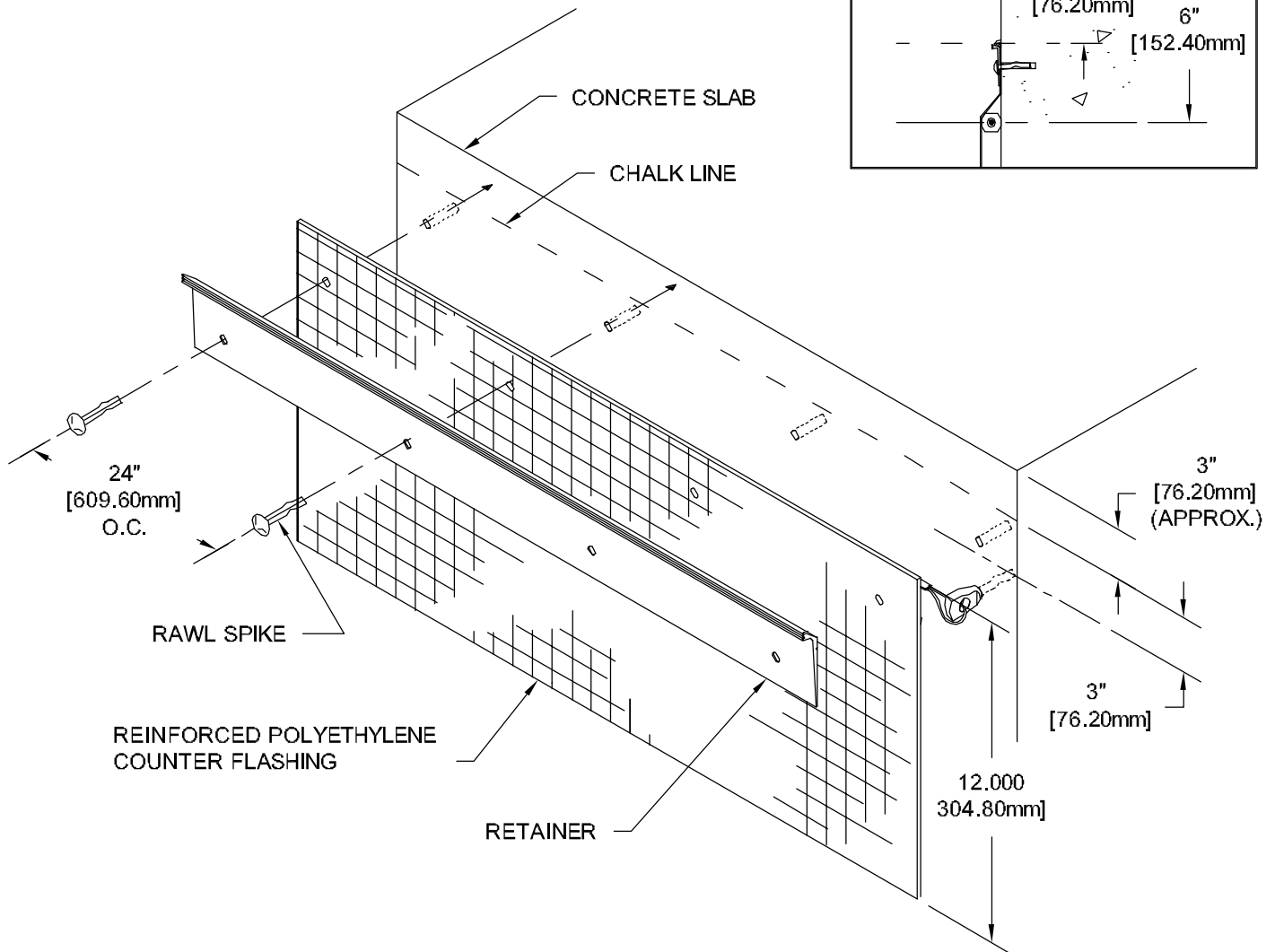
Note:

Wrap electrical tape or duct tape on the cut ends of the Cable to prevent fraying. Make the attachment loops as short as possible, approximately 2" to 3", to maximize function of system.

- 2.6) Attach the Snap of the Turnbuckle Assembly to the Turnbuckle Anchor Spike. Feed the length of Cable through the end Spring Snap and all the Cable Spike to the opposite end. Loop the Cable through the end Spike, pull the Cable as tight as possible, and secure with a Cable Clamp. (Vise grips may be used to hold the cable while attaching the Clamp, cut off the excess Cable min. 1" from Clamp.)
- 2.7) Using a wrench, tighten the Turnbuckle to draw the Cable tight.

STEP 3

ATTACHMENT OF LATERAL SLIDE COUNTER FLASHING



Step 3:

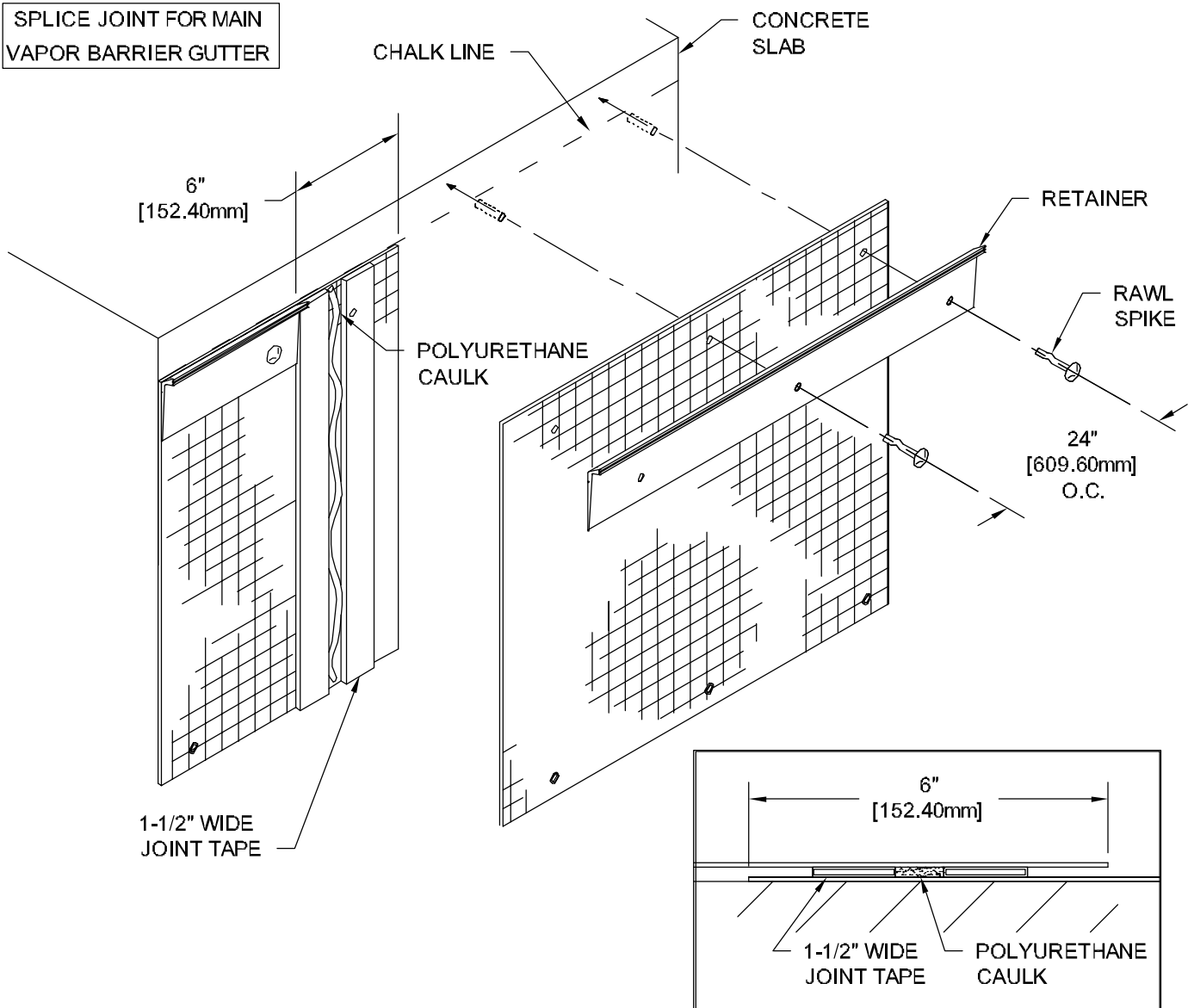
- 3.1) Strike a chalk line 3" above the line from Step 2.
- 3.2) Align the 12" wide Continuous Lateral Slide Counter Flashing with the top of the chalk line. Align a section of the Aluminum Retainer with the top edge of the Counter Flashing and anchor the Retainer with the C/S supplied 1/4" x 1-1/4" Rawl Spikes.
- 3.3) Install all of the Counter Flashing for the entire run. Run a 1/4" bead of silicone sealant along the top edge of the Retainer.

Note:

For splice locations, see splice instructions. Stagger Counter Flashing and main Vapor Barrier splices 30" minimum.

STEP 4

SPLICE JOINT FOR MAIN
VAPOR BARRIER GUTTER



Step 4:

- 4.1) At splice locations, stop the Frame 6" short from the end of the Vapor Barrier. This will allow for a 6" overlap of the new Vapor Barrier section to avoid water penetration.
- 4.2) Clean dust and debris from surface of the Vapor Barriers to be adhered.
- 4.3) Cut (2) lengths of C/S supplied, 1-1/2" wide joint tape, equal to the width of the Vapor Barrier. Apply the first piece 1-1/2" in from the edge. Apply second piece 1/2" to 3/4" apart and parallel to the first. **DO NOT REMOVE PAPER BACKING.**
- 4.4) Position the next section of Vapor Barrier according to the procedures in Step 1, and so that it overlaps the previous section by 6".
- 4.5) Apply a 1/4" bead of the C/S supplied polyurethane caulk between the tape strips, over the full width. Remove the paper backing from the joint tape and press the adjoining section of Vapor Barrier onto the tape and caulk to create watertight seal.

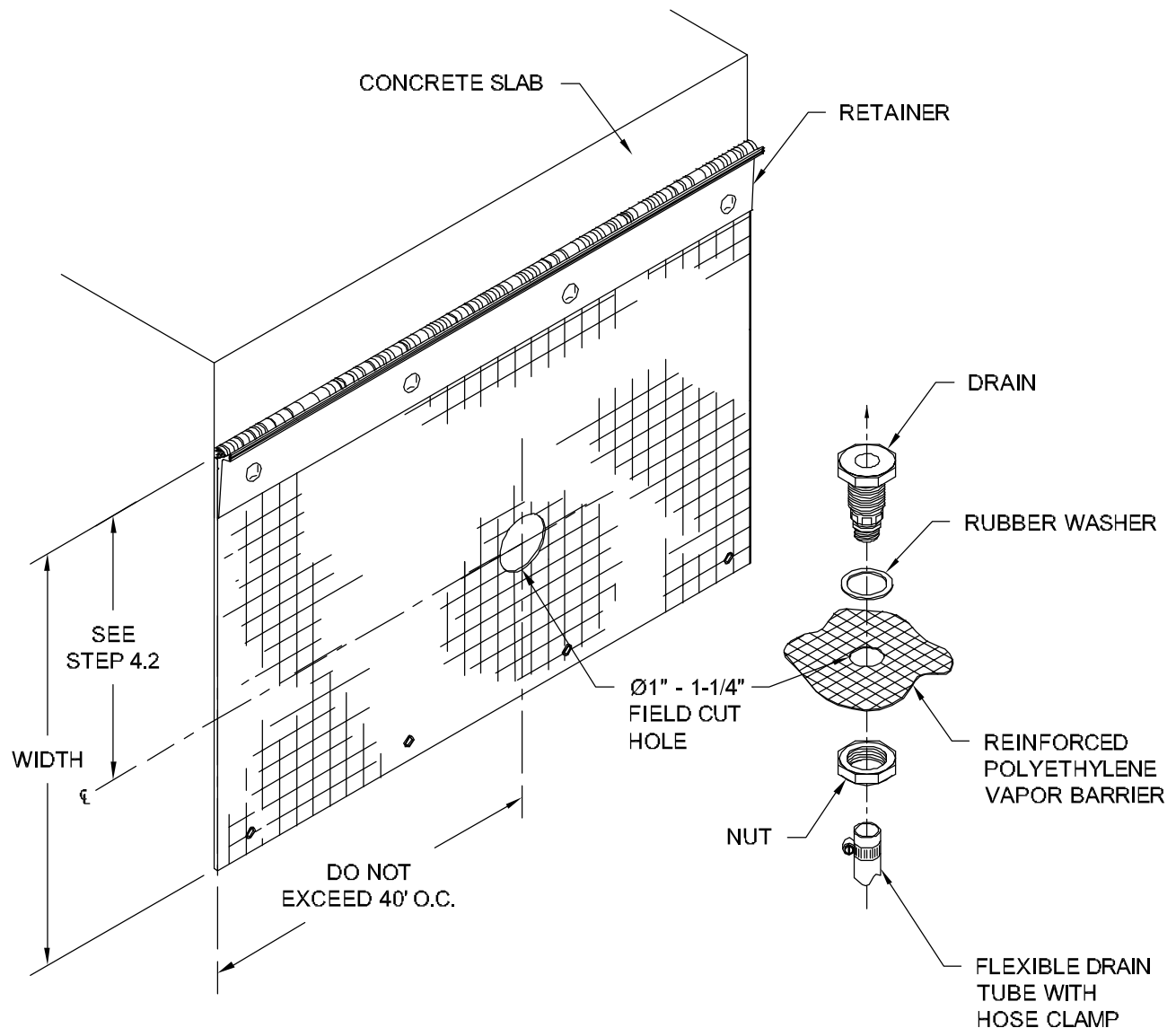
Notes:

Once joint tape has adhered to the surface of the Vapor Barrier, it will be very difficult to remove. Be sure of placement and alignment when working with this material.

- 4.6) Once Splice joint is complete, continue installation as described in previous steps.

STEP 5

INSTALLATION OF DRAIN TUBE ASSEMBLY

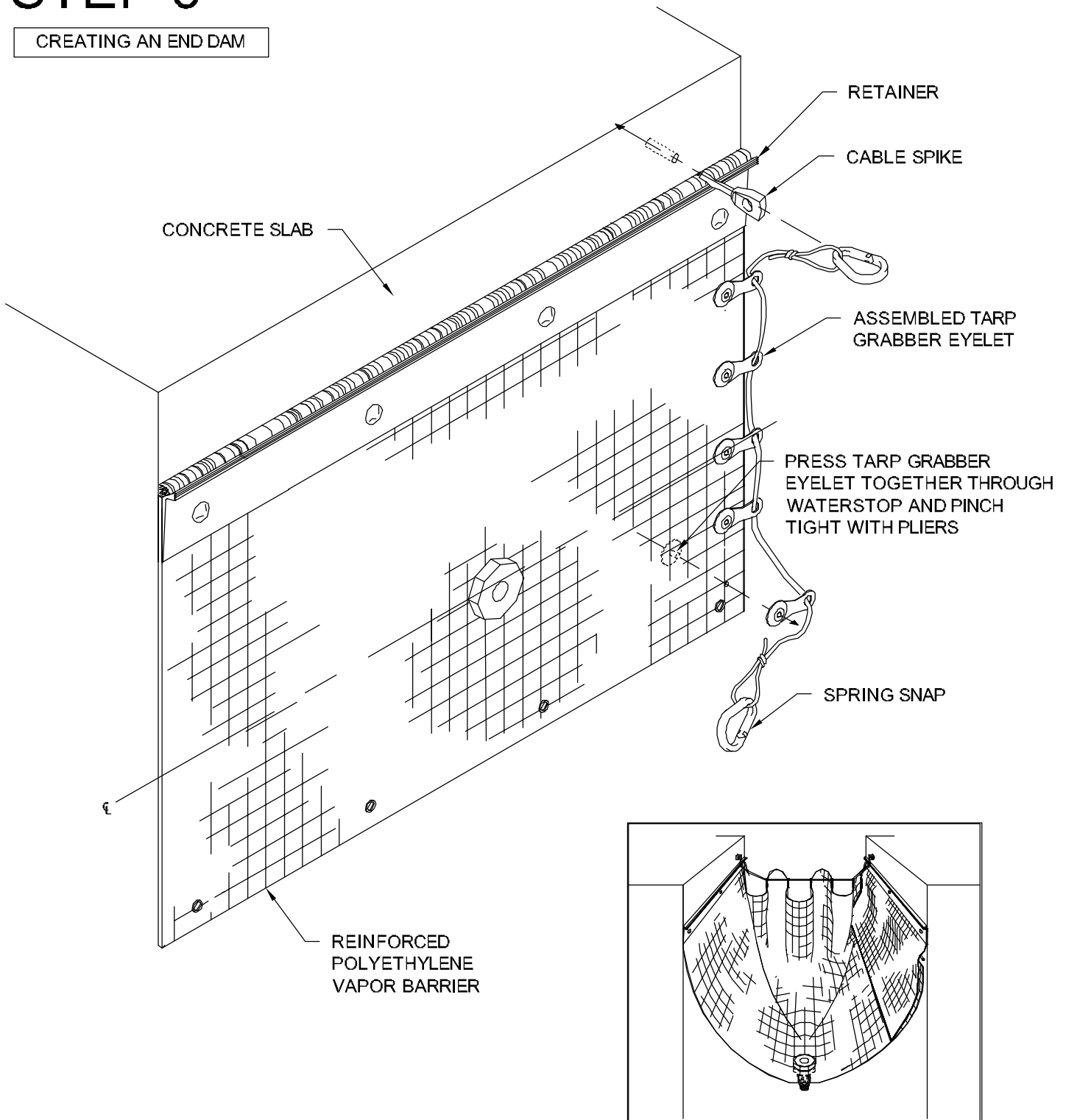


Step 5:

- 5.1) Before continuing on to the next step, install the Drain Tube Assemblies where required.
- 5.2) Determine the approximate drain location in the length of the run and mark the Vapor Barrier. To locate the center of the Vapor Barrier, use the following formula: $\text{Width} \div 2 + 1 \frac{1}{2}"$.
- 5.3) Measure the center line dimension down from the top of the Retainer and mark the horizontal center line for the Drain.
- 5.4) Once the drain location has been found, cut 1" - 1-1/4" hole (the inside of the rubber washer can be used as a template). Install the Drain Tube Assembly. Connect a section of Flexible Drain Tube with Hose Clamp.
- 5.5) Repeat Steps 5.1 through 5.4 for each drain location.

STEP 6

CREATING AN END DAM

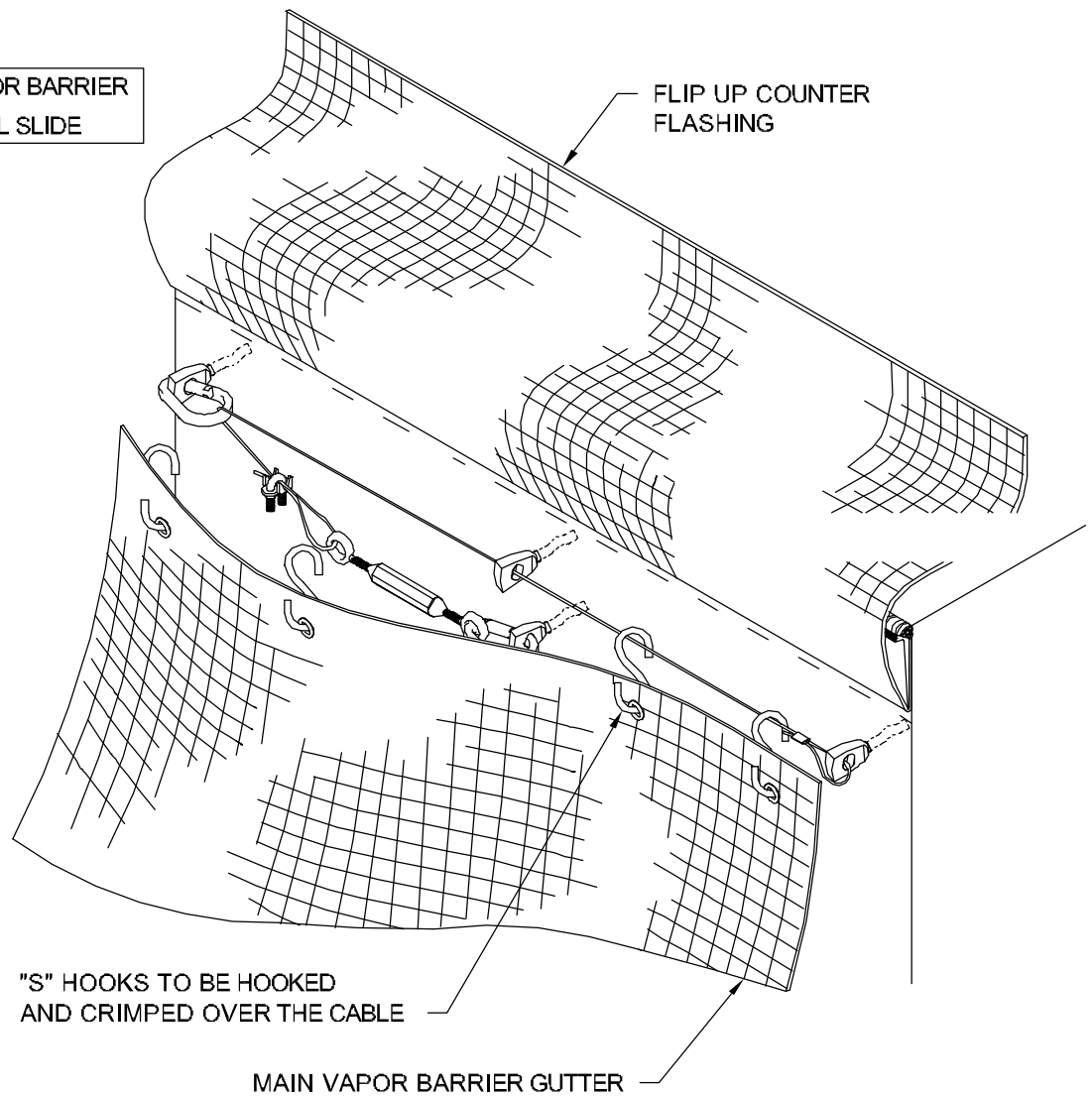


Step 6:

- 6.1) At each end of the run where the Vapor Barrier ends, mount a shock cord/tarp grabber assembly. Attach the Tarp Grabber Eyelets to the Vapor Barrier (one at the centerline, two equally spaced each side). Pinch tight with pliers. The pin of the Tarp Grabber should pierce the Vapor Barrier approximately 3/4" in from the edge.
- 6.2) Drill a 1/4" hole just above the last spike in the Retainer (on both sides of the joint) and insert a Cable Spike.
- 6.3) Attach the ends of the shock cord to the additional Cable Spikes to create an end dam.

STEP 7

ATTACHMENT OF MAIN VAPOR BARRIER GUTTER TO THE LATERAL SLIDE



Step 7:

- 7.1) To complete the installation, place the C/S supplied 1-1/2" "S" Hooks through factory installed Grommets (30" o.c.) and crimp closed with pliers.
- 7.2) Place the Vapor Barrier under the Counter Flashing and hang the "S" Hooks over the Lateral Slide Cable and crimp with pliers to secure.

STEP 8

PUNCTURE REPAIR INSTRUCTIONS

Step 8:

- 8.1) Should any punctures occur in the Vapor Barrier material, locate the hole and clean dust and debris from the area.
- 8.2) Cut and apply a piece of joint tape large enough to overlap all edges of the puncture by at least 1/2".
- 8.3) Press joint tape firmly into place leaving the paper backing on to avoid other material adhering to the joint tape.

