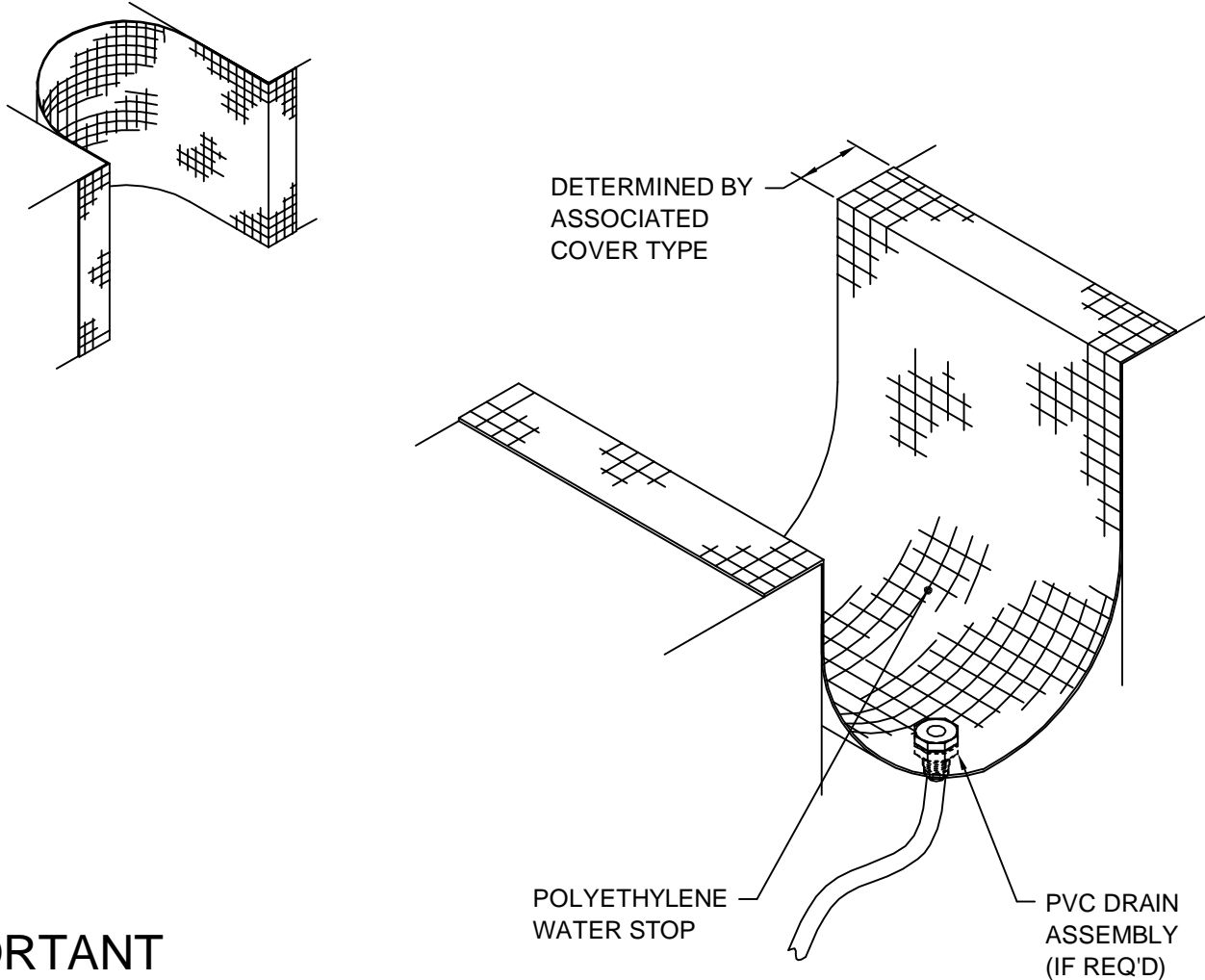


WATER STOP / VAPOR BARRIER INSTALLATION INSTRUCTIONS



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

3/29/11



Construction Specialties™

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Notes

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.

Water Stop/Vapor Barrier must be installed in conjunction with Expansion Joint Cover Framework.

Prior to starting installation prepare the face of the slabs by removing any loose debris, oil, or grease.

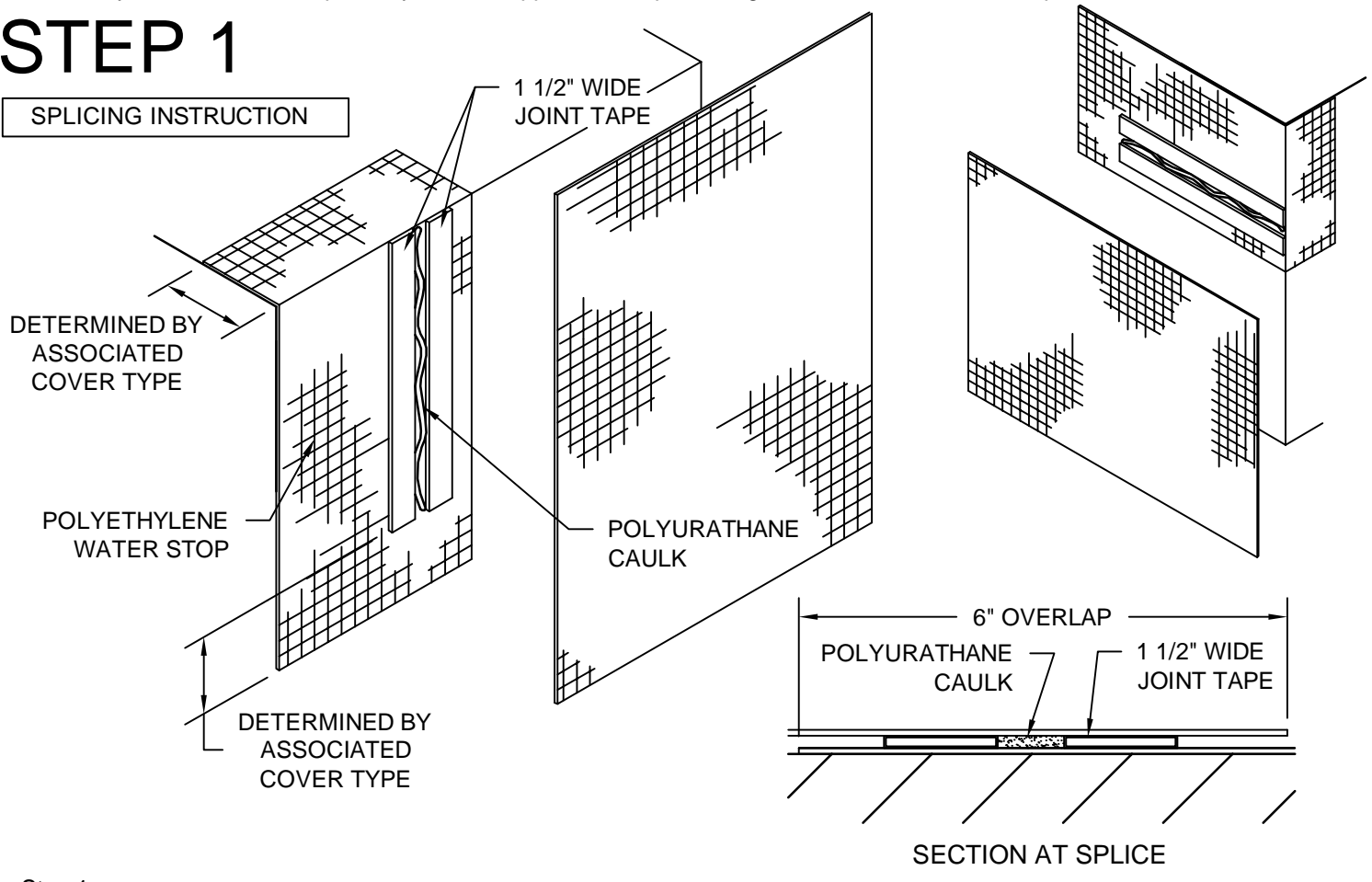
Before beginning installation extra water stop material should be allowed for transitioning from one run to another, where required.

During the installation the water stop material can be held in place using construction tape while operations such as splicing and drain installation are performed.

Determine the location of drains, if required, before beginning installation. Drains must be installed when one side of the water stop is not yet attached.

Locate any Base Closures required by the C/S Approved Shop Drawings. Extra material will be required at these locations.

STEP 1



Step 1:

- 1.1) Mount one side of the water stop allowing the proper amount of material for the installation conditions associated with the cover type.
- 1.2) Clean dust and debris from the surface of the water stops to be adhered.
- 1.3) Cut (2) lengths of C/S supplied 1 1/2" Wide Joint Tape, equal to the width of the water stop drape leaving the area clear that is to be under any framework.
- 1.4) Apply the first piece of joint tape 1 1/2" from the edge of the end of the water stop to be spliced. Apply the second piece 1/2" to 3/4" apart and parallel to the first. **DO NOT REMOVE THE PAPER BACKING.**
- 1.5) Position the next section of water stop to overlap the previous section by 6".
- 1.6) Apply a 1/4" continuous bead of the C/S supplied polyurethane caulk between the tape strips.
- 1.7) Remove the paper backing from the joint tape and press the adjoining section of the water stop onto the tape and caulk creating a watertight seal.
- 1.8) Splice joint is complete, continue installation.

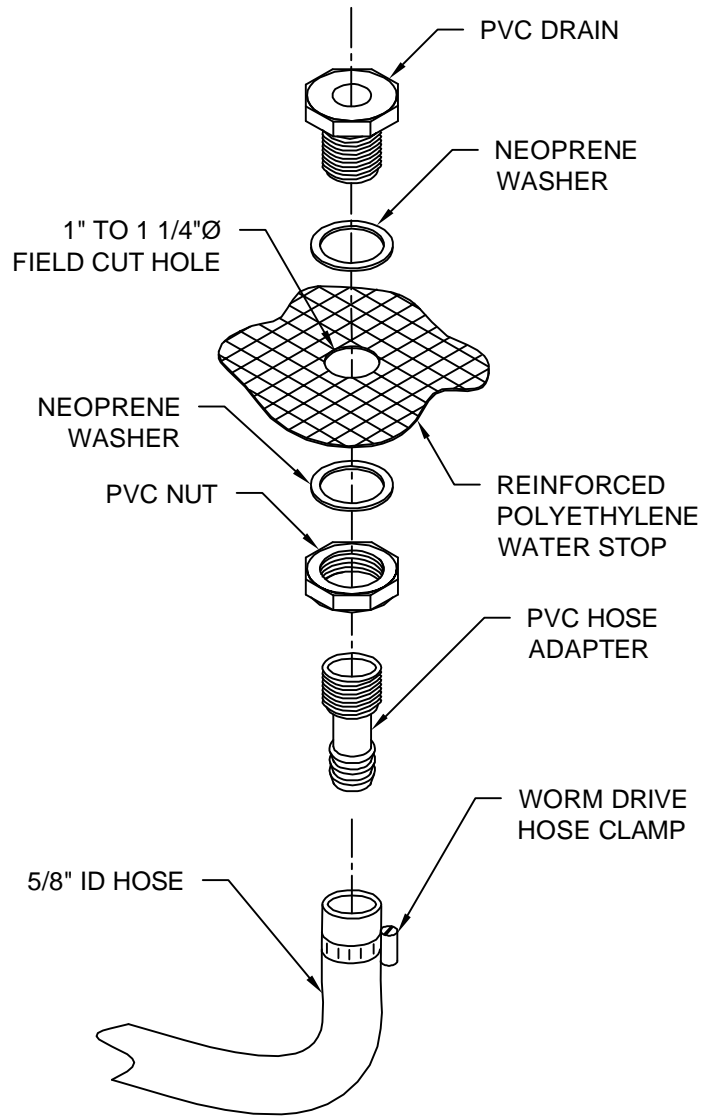
IMPORTANT NOTE:

Joint tape adheres instantly to the water stop and is very difficult to remove. Use caution when placing joint tape and aligning water stop splice.

STEP 2

PVC DRAIN INSTALLATION

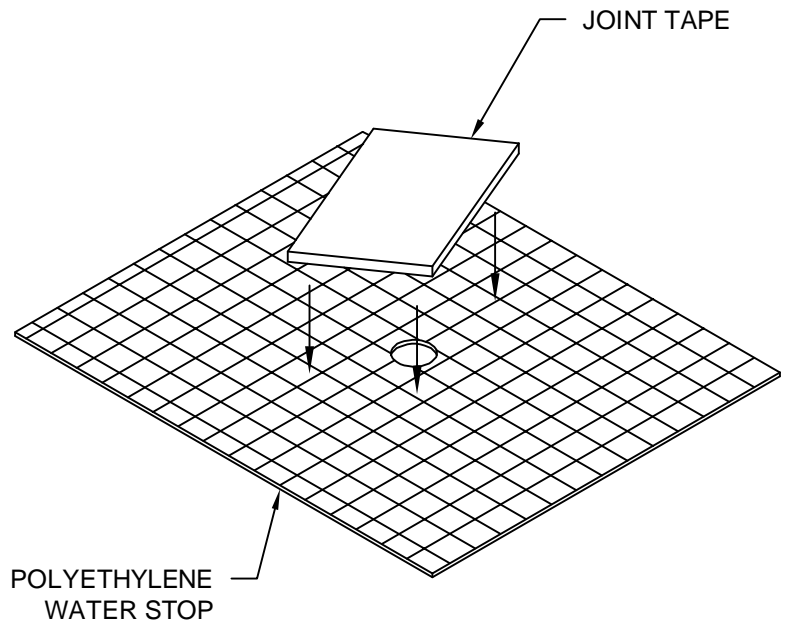
- 2.1 When required, determine the location for the drain.
- 2.2 Mount one side of the water stop allowing the proper amount of material for the installation conditions associated with cover type.
- 2.3 Find the lowest point on the drape by holding the loose side of the water stop as if it were installed. Mark the lowest hanging point on the drape.
- 2.4 Cut a 1" to 1 1/4" diameter hole at this location.
- 2.5 Install the PVC Drain by placing a neoprene washer over the threaded shaft until tight against the bottom of the drain.
- 2.6 Insert the threaded portion of the drain assembly into the hole in the water stop.
- 2.7 Place the second neoprene washer over the threaded portion of the drain assembly until tight against the water stop.
- 2.8 Thread the PVC Nut on the threaded portion of the drain assembly until tight against the neoprene washer. Tighten nut until both neoprene washers are pressed tightly against the water stop creating a watertight seal.
- 2.9 Thread the male portion of the PVC hose adapter into the female threads in the bottom of the drain assembly until tight.
- 2.10 The installation of the drain is complete. Connect the C/S supplied 5/8" I.D. hose to the hose adapter and clamp.



STEP 3

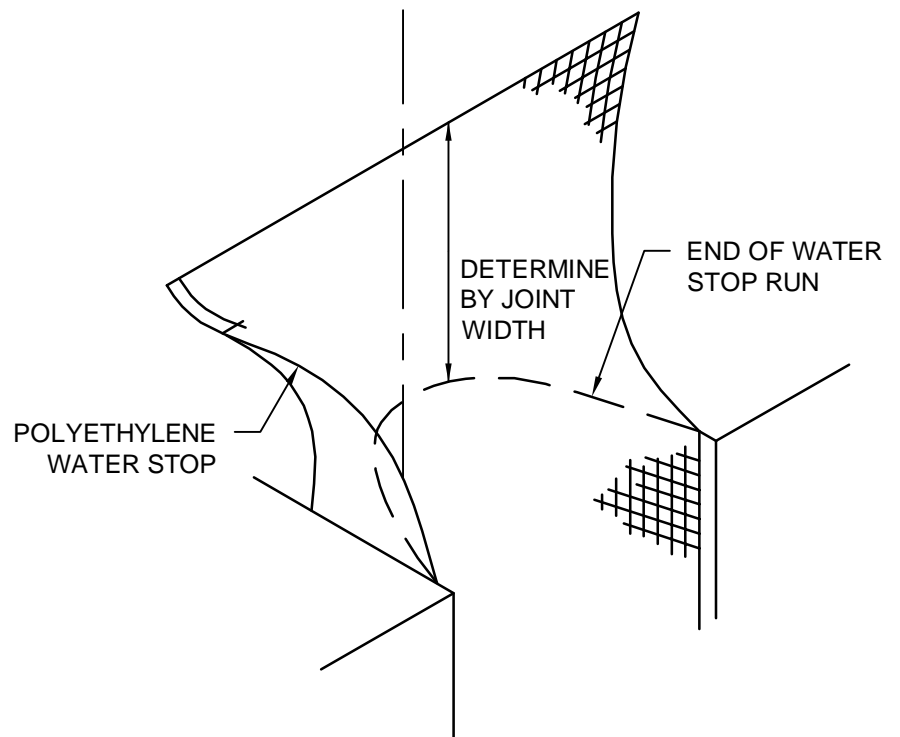
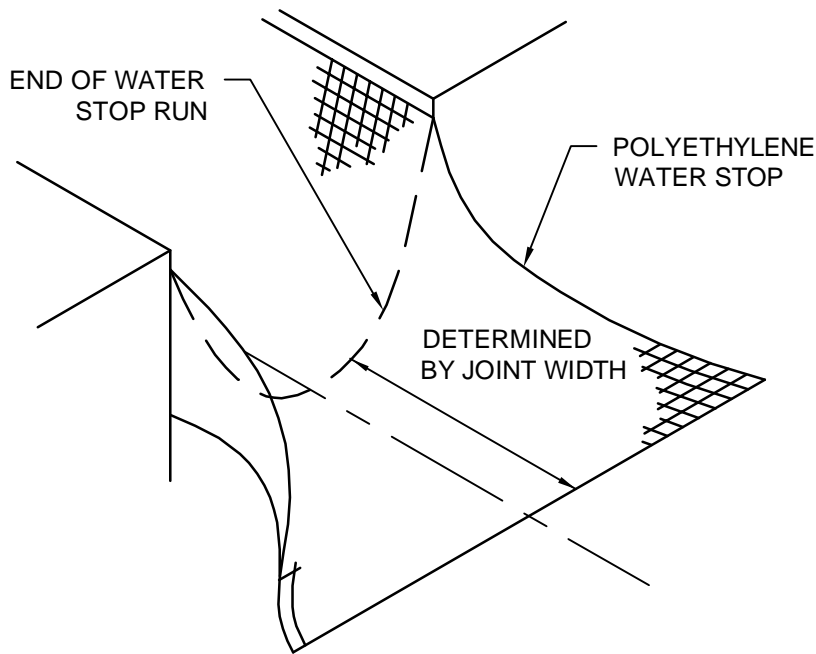
PUNCTURE REPAIR INSTRUCTION

- 3.1 Should any punctures or holes be created in the water stop material, locate the hole and clean dust and debris from the area.
- 3.2 Cut and apply a piece of Joint Tape large enough to overlap all edges of the area by 1/2".
- 3.3 Press joint tape firmly into place against water stop creating a watertight seal.
- 3.4 The water stop has been repaired. **DO NOT REMOVE THE PAPER BACKING.** This will prevent other material from adhering to the joint tape.



STEP 4

BASE CLOSURE INSTALLATION



Base Closures are installed at the bottom of a run of water stop or a transition between joint widths in a single run of exterior expansion joint cover. The size of the base closure is determined by the joint width, and an extra length of material equal to the width of the joint will be required at the location of the base closure.

IMPORTANT NOTE:

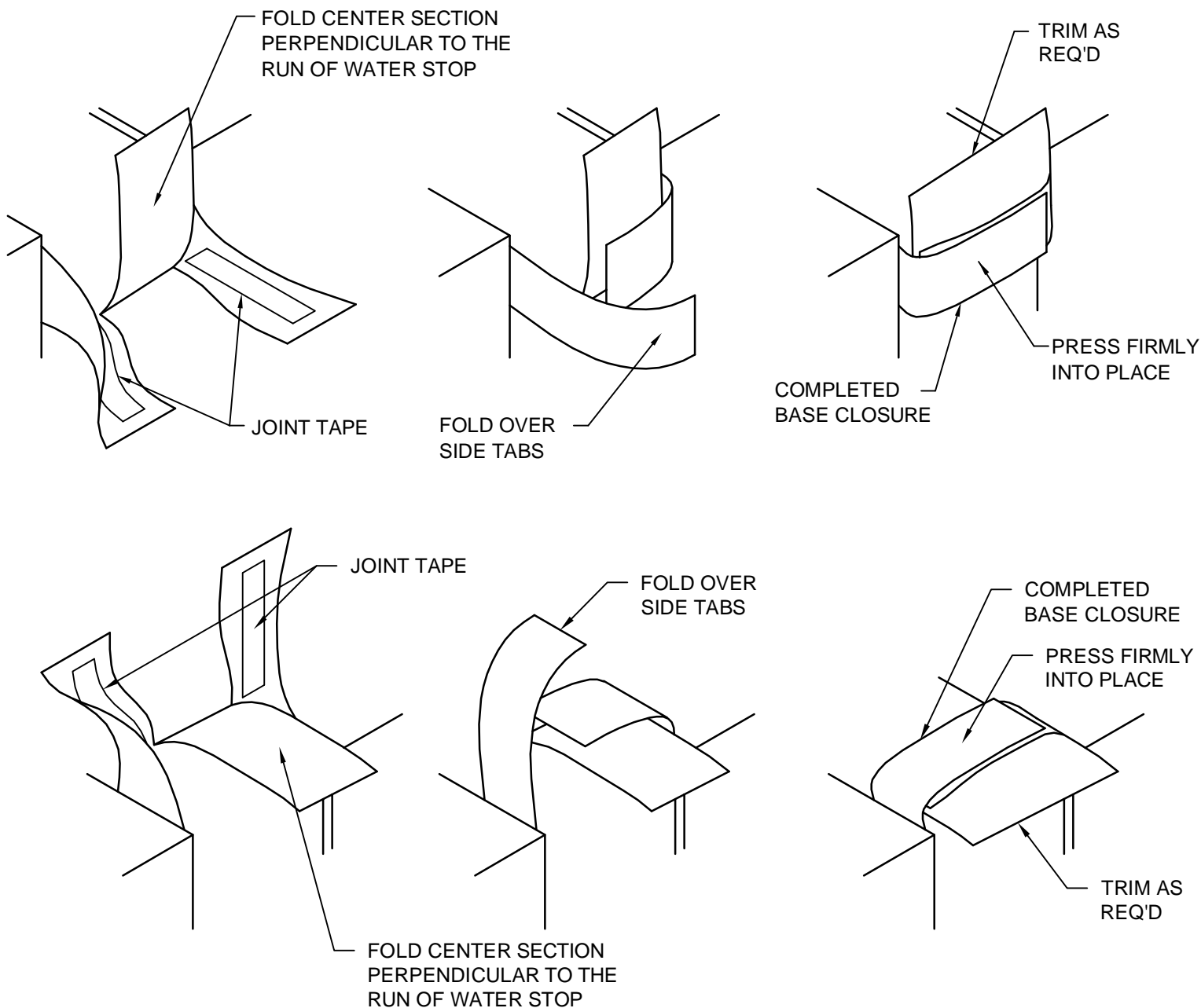
All base closure views are rotated for clarity. Actual field conditions may differ from shown.

Step 4:

- 4.1) Allow a length of waterstop equal to the width of the joint to extend beyond the end of the run.
- 4.2) Locate the center in the width of the sheet.

STEP 4

BASE CLOSURE INSTALLATION



Step 4 Continued:

- 4.3) Measure half the joint width on each side of the center line and cut back along each line to the end of the run of waterstop, creating 2 side tabs.
- 4.4) Apply a strip of joint tape across the top of each tab. For joint sizes 6" or larger apply 2 strips of joint tape.
- 4.5) Fold the center section of the waterstop perpendicular to the run creating an L shape.
- 4.6) Remove the paper backing from the joint tape on one side tab and fold up and over so it is parallel to the back/bottom of the waterstop run. Press firmly into place.
- 4.7) Remove the paper backing from the other side tab and fold up and over parallel to the back/bottom and opposite to the other side tab. Press firmly into place.
- 4.8) Apply a continuous bead of C/S supplied polyurethane caulk along each inside seam of the base closure. Be sure to apply enough caulk along the seams and in the corners to create a water tight seal.