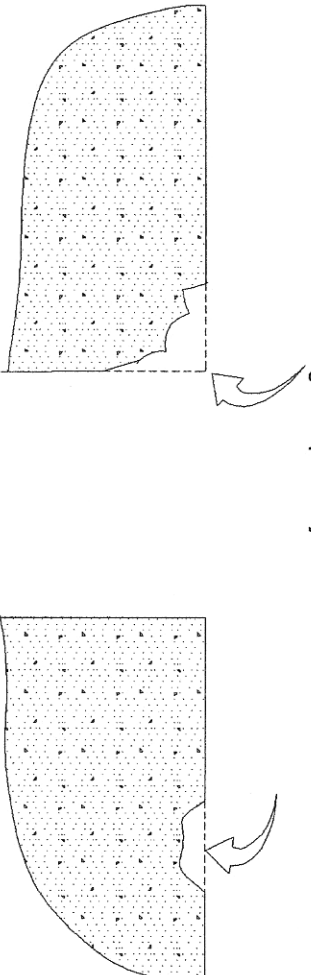


Step # 1

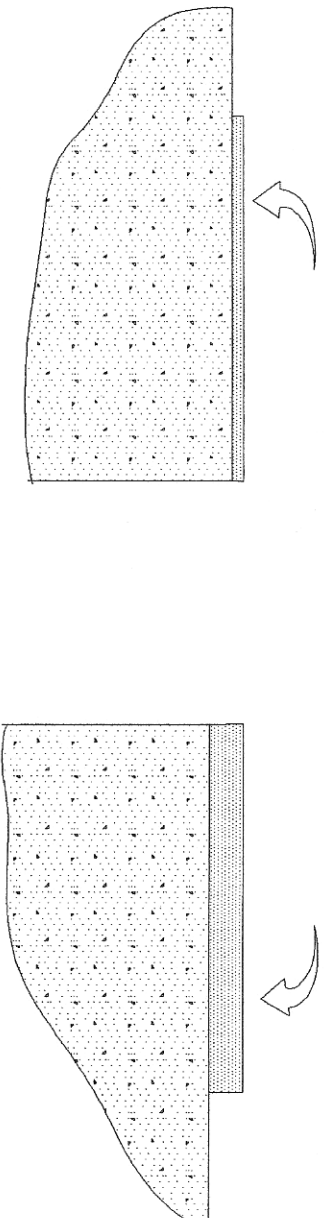
Iso-Flex Xtreme Surface Mount (XSM) Joint System Installation Procedures

Ensure that deck construction has been properly cured prior to system installation. Utilizing appropriate repair mortar, repair any "bug holes", spalls or damaged corners within the deck area receiving the expansion joint.



Step # 2

The deck surface on each side of the joint gap must be on the same plane. For this reason it may be required that a leveling mortar (by others) be utilized. Refer to manufacturers of these products to ensure proper use and sufficient cure time.



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Date: 6/16/04

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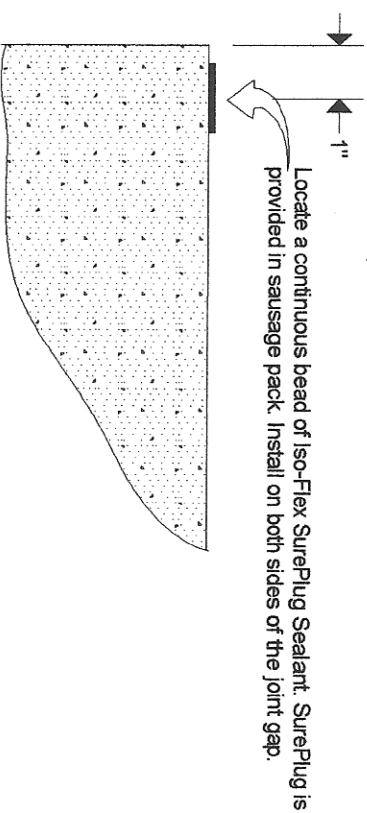
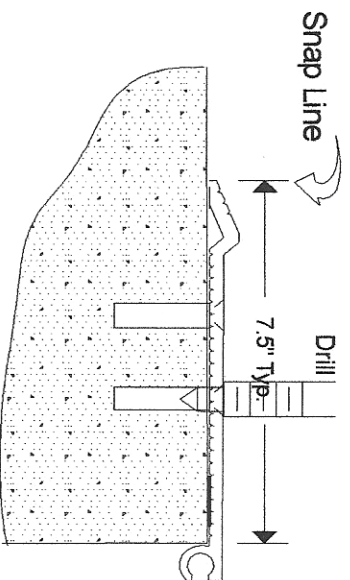
Iso-Flex Xtreme Joint Installation

Surface Mount Design

XSM Installation Sheet 1

Step # 3

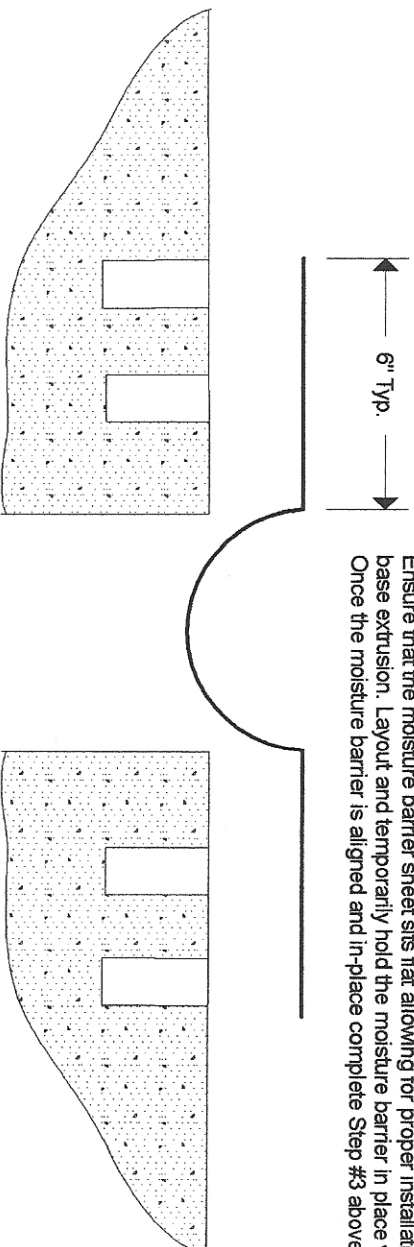
Begin by snapping a chalk line 7.5" back from the joint gap edge. Measuring in 1" from the joint gap edge, place a continuous bead of SurePlug sealant. (see detail below)
At this point, if you choose to utilize the optional moisture barrier, insert Step #4 below.
Lay XSM base member in position on deck surface adjacent to the expansion joint. Ensure that the overhang of the base member is tightly against the joint gap edge.
Using the Surface Mount Base Extrusion as the template, drill holes at the spacing provided. Drill holes 1/4" Dia. to accept the 1/4" Combo Flat Head Lok-Bolt.



Step # 4

Optional Moisture Barrier Sheet (MBS) Installation

Once the SurePlug is installed, the optional Iso-Flex MBS (moisture barrier) can be installed. Ensure that the moisture barrier sheet sits flat allowing for proper installation of the aluminum base extrusion. Layout and temporarily hold the moisture barrier in place with duct tape. Once the moisture barrier is aligned and in-place complete Step #3 above.



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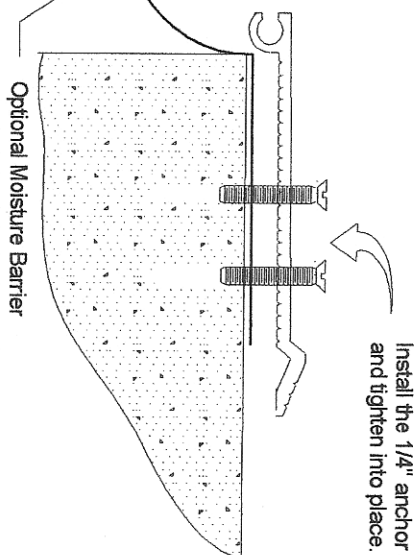
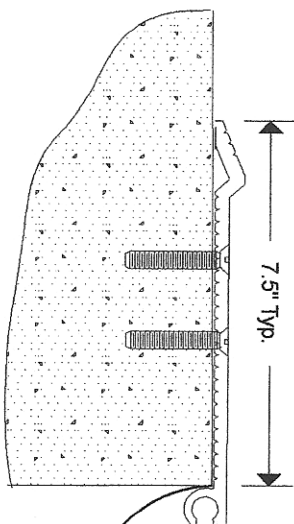
Iso-Flex Xtreme Joint Installation

Surface Mount Design

XSM Installation Sheet 2

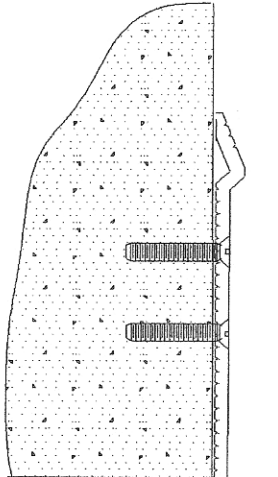
Step # 5

Install the Powersfasteners, Cat. No. 6172, a 1/4" stainless anchors into the drilled holes. Torque to a maximum of 2-3 ft-lbs.

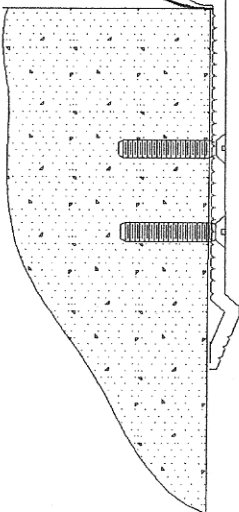


Install the 1/4" anchor bolts in the drilled holes, and tighten into place.

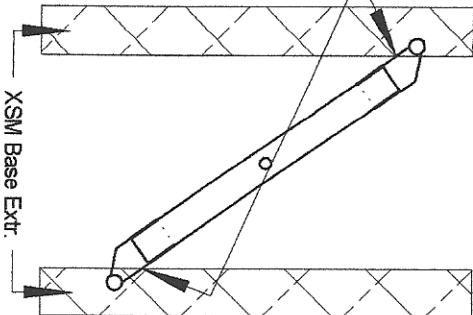
Step # 6



Slide guide bars into Surface Mount Base Extrusions as each pair of 10 Ft. lengths is installed. Seven guide bars required for each 10 Ft. of Base Extrusion. See detail below for proper insertion of guide bars.



Flat Side



Top View

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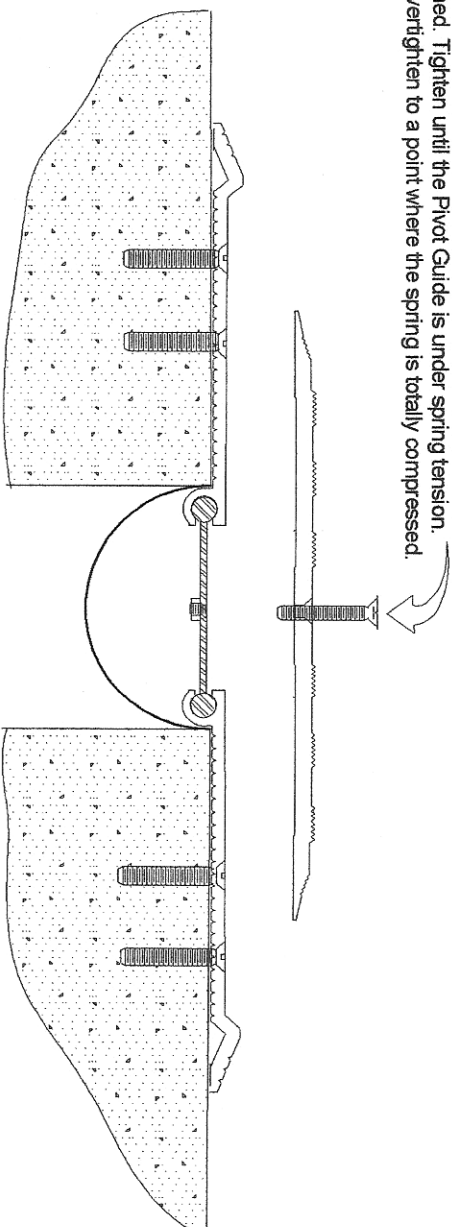
Iso-Flex Xtreme Joint Installation

Surface Mount Design

XSM Installation Sheet 3

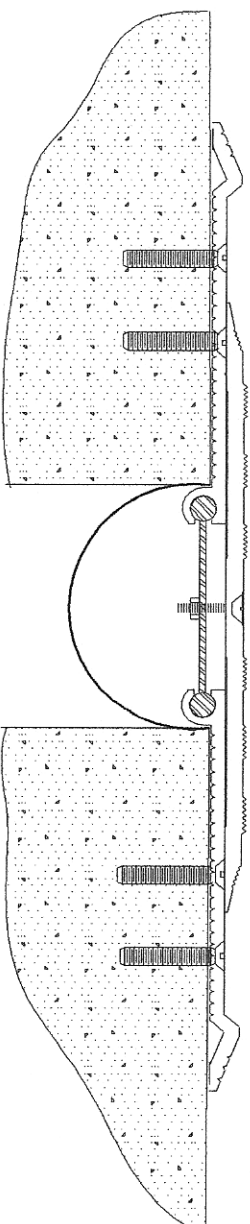
Step #7

Align aluminum cover plate and install 5" long stainless steel screw until tensioned. Tighten until the Pivot Guide is under spring tension. DO NOT overtighten to a point where the spring is totally compressed.



Step #8

With the cover plate secured in place, the installation is complete. Clean up the work area and make a final check on the installation to ensure that all components are secure.



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Iso-Flex Xtreme Joint Installation

Surface Mount Design

XSM Installation Sheet 4