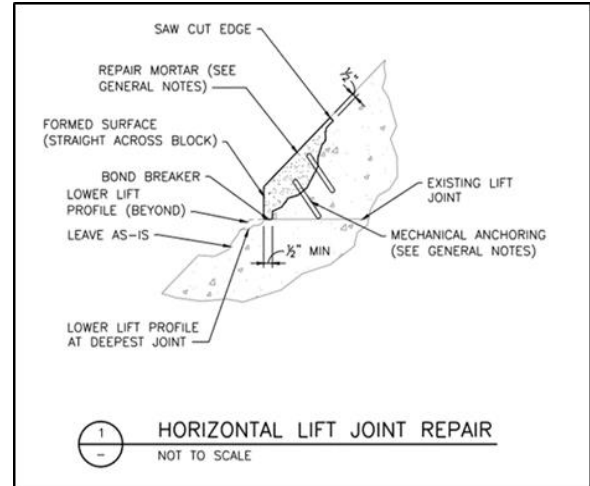


Installing Anchors for Cementitious Repairs

Installing expansion anchors

- Drill and clean the holes as required by the anchor manufacturer. Do not use a drill bit that has a larger diameter than is required.
- Embed the anchor the minimum amount required by the manufacturer. However, the anchor should not be driven further than necessary. In order to function as intended, the head of the anchor must protrude into the repair material.



Installing dowels, bolts, all thread using structural epoxy

- Drill an anchor hole 1/8 to 1/4 inch greater than the anchor diameter. Make the anchor hole deep enough to permit a **minimum 2-inch embedment** of the dowel / anchor or twice the depth of the surrounding patch.
- Remove any contaminants from the hole using a brush or other mechanical cleaner, or clean the hole using a high-pressure air compressor equipped with filters to remove all oil from the compressed air.
- Dry the concrete surface inside the hole prior to installing the dowel.
- Fill the anchor hole approximately 1/3 full with structural epoxy. Twist the anchor as it is inserted. Ensure that the space between the dowel and the concrete is completely filled with epoxy. Remove all epoxy from the concrete surface that leaks from the hole after the anchor is in.

