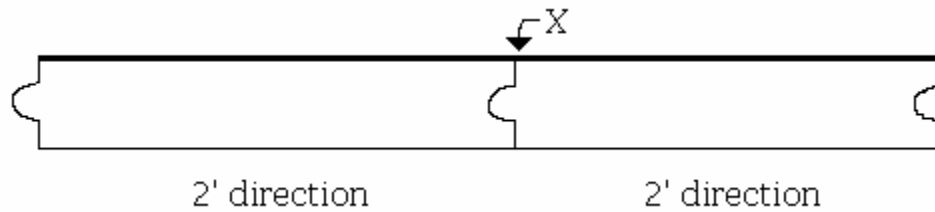


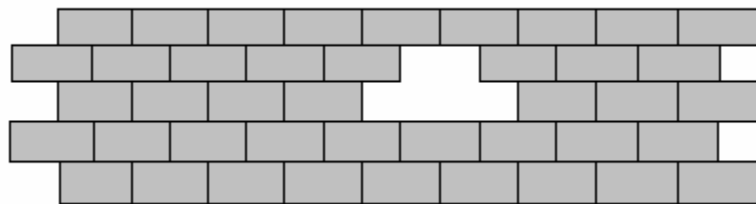
TECHNICAL NOTE 99.02

**How Do I Get That
LIGHTGUARD®/HEAVYGUARD®
Replaced and Resecured Without
All That Extra Strapping?**

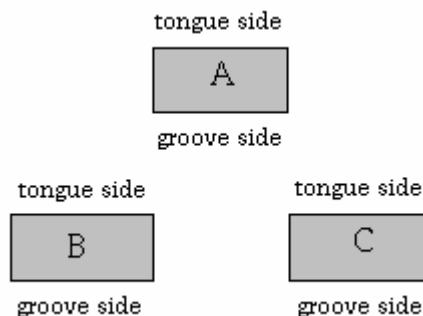
Damaged LIGHTGUARD or HEAVYGUARD boards exist in an area of the roof array. Using a sharp knife, remove a damaged board's tongue along the four foot direction as illustrated below at "X". Care must be taken so that the knife blade does not puncture the membrane. The damaged board can now be removed from the array using a pry tool.



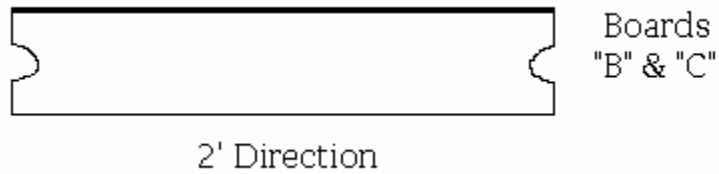
The system array can now be disassembled in order to remove any other damaged LIGHTGUARD / HEAVYGUARD boards by lifting out the surrounding boards. The system can now be reassembled with undamaged units until there are three boards left to be replaced and the opening resembles the illustration below.



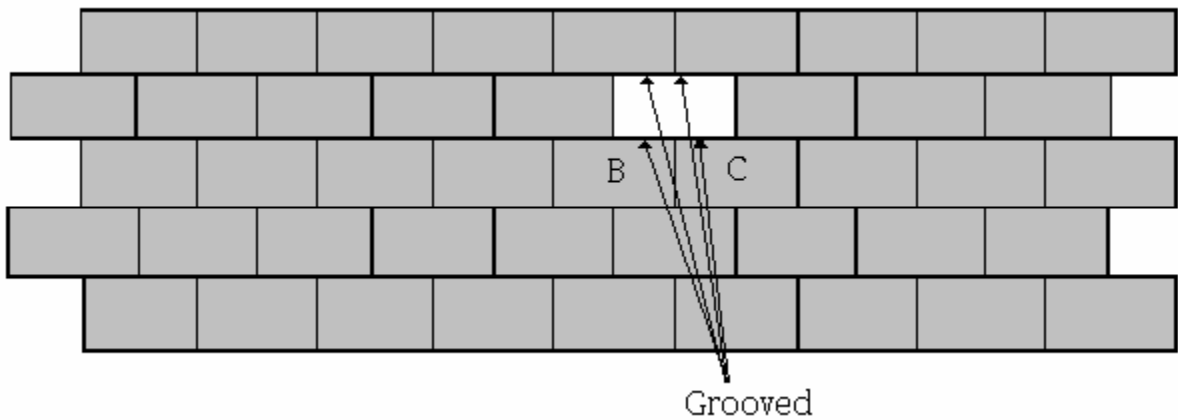
The final three good boards in the replacement array must have the tongues facing in this direction.



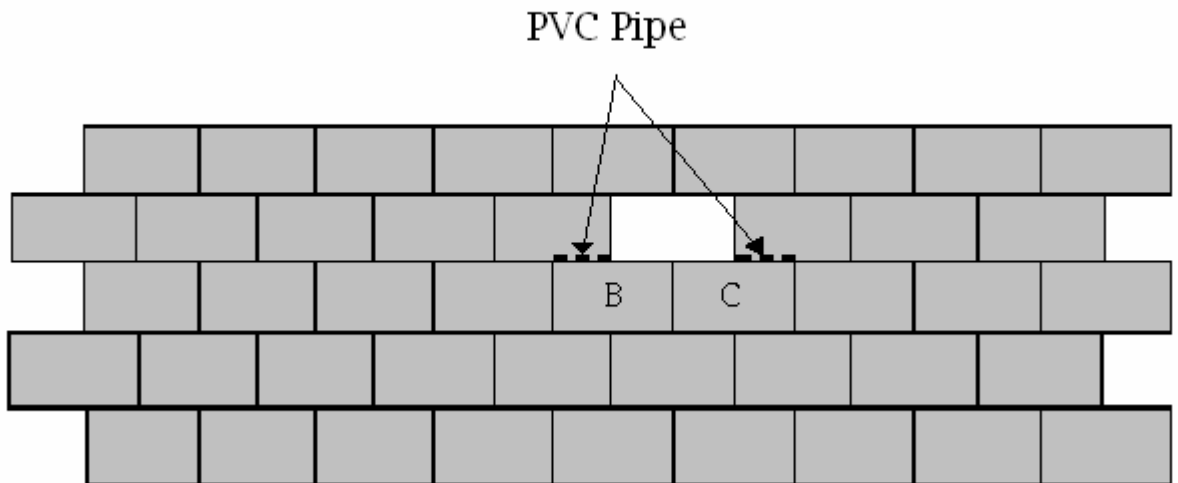
Two of the remaining boards (B & C) have their tongues removed and corresponding grooves inserted in the foam part of the LIGHTGUARD / HEAVYGUARD so that both the 4' long edges are grooved on both sides. This can easily be done with a handheld hot knife containing a long blade bent to conform to our factory groove. Boards "B" & "C" should have a cross-sectional profile as shown below.



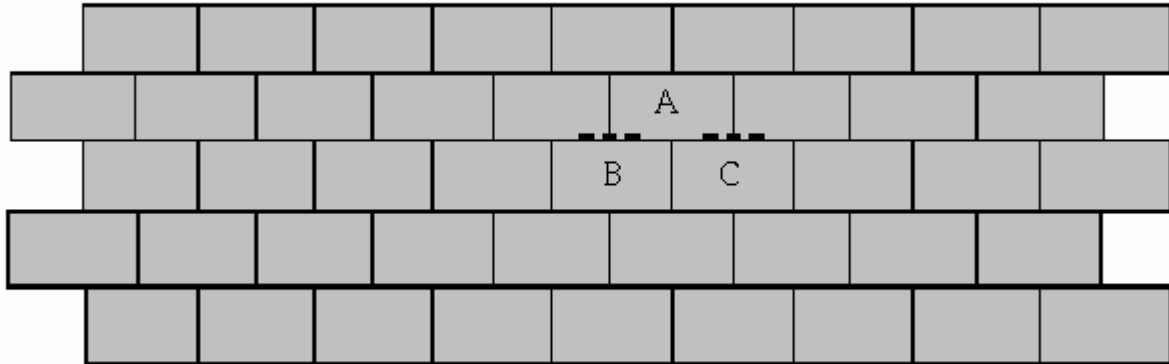
Boards "B" & "C" are placed into the system and the remaining hole for "A" will have grooves on both its 4' long edges.



Two pieces of $\frac{3}{4}$ " plumbing PVC pipe are cut 24" in length. These pieces of pipe are the replacements for the missing tongues in the system. The 24" pieces are slid in the holes formed by the removed tongue/fabricated groove openings of "B" & "C" above, as indicated by the illustration below.



Finally, board "A" is installed into the hole with the tongue in its normal position. Using a knife blade, the PVC pipes are slid 12" laterally forming a partial tongue that will prevent the system from coming apart. This securement replacement is to be used for replacement boards in the field of the roof and is not intended as a possible replacement for normal securement as described in Technical Data Sheet 4.4.



**Note:* In perimeter replacements (within 20' from an exterior wall), on applications having wind ranges in excess of 110 mph, or on applications having System 3 securement, consult T. Clear Technical support (800-544-7398) before using this technique.