



DESIGN & CONSTRUCTION GUIDELINES

Sunstone® Pearl is an extremely durable and versatile product.

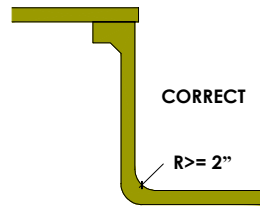
The information and sketches on the following pages discuss construction techniques which will allow this product to be used to its full potential, while minimizing problems and ensuring the best possible application.

Please take a few moments to review this material and call us if you have any questions.

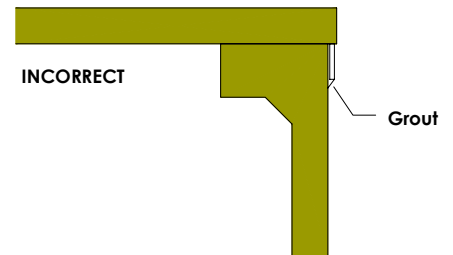
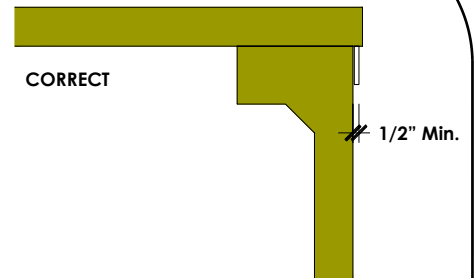
C.L. INDUSTRIES, INC.

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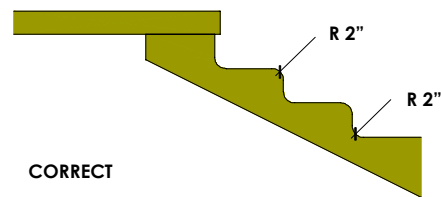
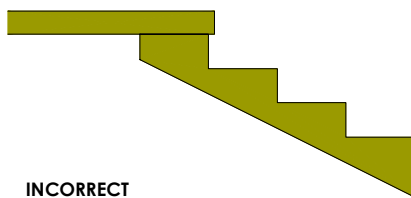
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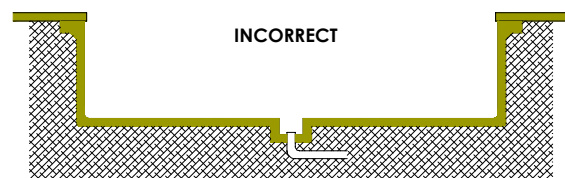
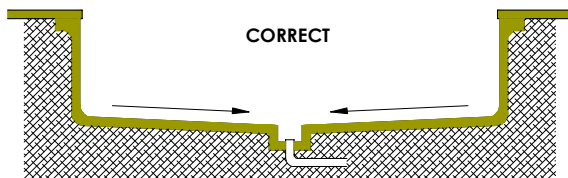
ALL CORNERS AND EDGES OF STEPS, PARTICULARLY **OUTSIDE**, SHOULD HAVE A RADIUS ($\geq 2"$) TO ALLOW FOR A SMOOTH ROLLED EDGE.



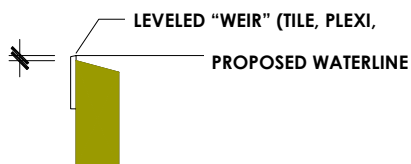
STEPS & BENCHES



POOL FLOOR AREAS



ALL FLAT SURFACES SHOULD HAVE SLOPE TOWARDS THE DEEPEST POINT IN THE POOL. (MINIMUM $\frac{1}{2}"$ PER FOOT). THE LOWEST POINT IN THE POOL (TYPICALLY THE MAIN DRAIN) SHOULD HAVE AN AREA DISHED OUT AT LEAST $12" \times 12" \times 2"$.



ADDITIONAL CONSTRUCTION/DESIGN CONSIDERATIONS

- Shells should be broom finished and wet down for several days prior to application of SunStone® Pearl.
- Any items protruding through the shell should have cut outs for proper sealing.
- Sealers should never be used at waterline. If the "wet-dry" look at the waterline will be an issue, tile it.
- There is a capillary action created when SunStone Pearl is used without tile at the waterline and with attached spas utilizing a spillway. Whenever water comes in contact with dry SunStone Pearl, moisture creating a wet look is transferred approximately 1 - 2". The outer edge of this moisture is subject to mineral buildup.
- Excess cement must be handled properly.
- Rolled bond beams should be limited to 18" and should slope away from the pool to allow for runoff during the exposure process.
- We recommend that you "balance" your pool water utilizing the "saturation" index. This system takes into account...pH, alkalinity, water temperature, chlorine and calcium harness.
- Consideration should be given to an expansion joint at beach entry where it meets the deck.
- Aquabond™ or Permakote™ should be used on dam walls, spillways and rolled beams to help prevent delamination.

