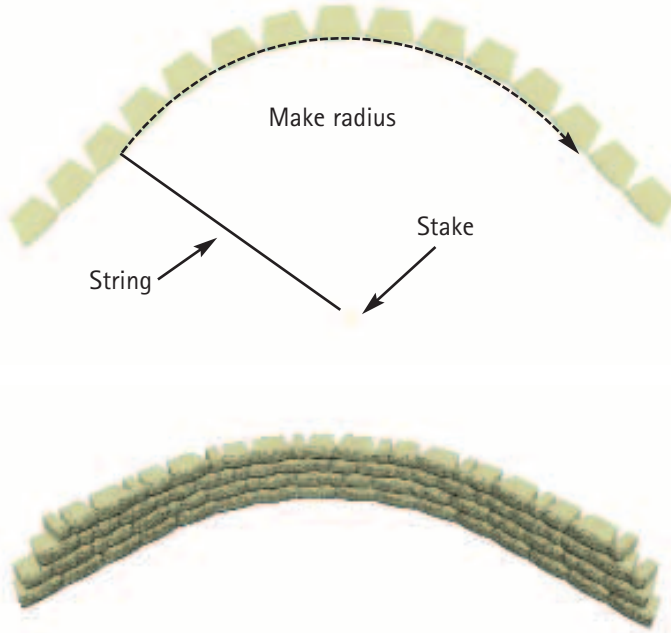


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INSIDE CURVES



CALCULATE THE RADIUS

Check the wall plan to determine the radius of the base course. This will be the smallest radius in the wall and must not be less than the minimum for the block system used.

BASE COURSE

Begin by driving a stake into the ground at the desired center of the curve. Attach a string and rotate it in a circle around the stake to mark the radius in the soil. Align each block face with the radius curve and ensure level placement from side to side and front to back.

ADDITIONAL COURSES

On each course, the lip of each block must be in contact with the back of the units below to ensure structural stability. The setback of the block will cause the radius of each course to gradually increase and eventually affect the running bond of the wall. To maintain proper running bond, use partial units as needed when installing Diamond® and Diamond Pro®. Once a split unit is cut to size, glue in place with a concrete adhesive.

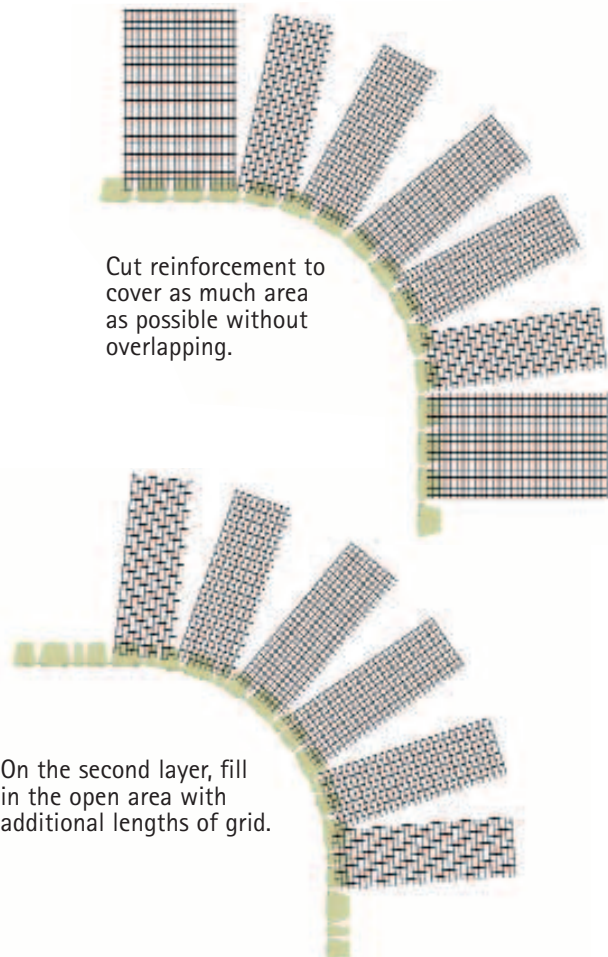
INSIDE CURVES WITH REINFORCEMENT

FIRST COURSE WITH REINFORCEMENT

Most retaining walls are designed assuming 100% coverage of the reinforcement. When building an inside curve, the back edges of the reinforcement will fan out slightly producing gaps. In order to ensure 100% coverage, additional lengths of reinforcement are used to fill those gaps on the next course of blocks. Don't overlap the grid on one course to avoid slippage.

Cut reinforcement to the lengths specified in the wall plan. Lay segments of reinforcement within 2 inches of the face of the wall, making sure that the strength direction of each section is perpendicular to the wall face.

Place the next course of blocks, marking the backs of blocks to identify the middle of unreinforced areas. Backfill and compact. Center subsequent sections of reinforcement on the marked blocks to ensure full reinforcement coverage. Repeat this procedure throughout the construction of the radius curve when reinforcement is required.



MINIMUM INSIDE RADIUS

- Diamond® Beveled Face 4 feet
- Diamond® Straight Face 8 feet
- Diamond Pro® 6 feet
- Diamond Pro® Stone Cut™ Face
(using all units) 6 feet
- Highland Stone®
(using all units) 8 feet