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JUMPER UNIT INSTALLATION

Install jumper units on top of an 18-inch-wide Highland Stone® unit.

Set the jumper unit approximately 1 inch back from the face of the 18-inch-wide block on the lower course.

Apply a concrete adhesive to secure the jumper unit.

Place an 18-inch-wide Highland Stone® unit on top of the jumper unit.



Jumper units break up the horizontal lines in this Highland Stone® installation. Use the estimating formula on the left to determine how many units are needed in a project.

A JUMPER UNIT ESTIMATING

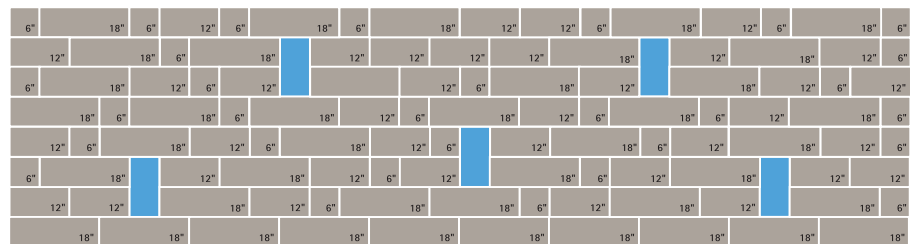
Circle the desired density of jumper units in the wall.

Every 3 square feet (SF) Every 6 SF Every 9 SF Every 12 SF

B SF of wall (without jumper units or base course) ÷ 3 6 9 12 jumper units per SF = # jumper units

PLACEMENT

There is no required pattern for the Highland Stone jumper unit. You can achieve different looks by increasing or decreasing the number of jumper units. At right is a helpful pattern.



Jumper unit every 12 square feet.

INSTALLATION OF HIGHLAND STONE® WITH GEOSYNTHETIC REINFORCEMENT

USING HIGHLAND STONE® 6-INCH BLOCKS

Check the wall construction plan for which courses will need reinforcement.

The first layer of geogrid should be placed at ground level between base course and first exposed wall course.

Clean any debris off the top layer of blocks. Measure and cut the reinforcement to the design length in the plan. The reinforcement has a design strength direction, which must be laid perpendicular to the wall.

Place the front edge of the reinforcement on the block, 2 inches from the face of the block.

Install the next course of block to secure the reinforcement in place.

When a jumper unit intercepts the reinforcement, cut the reinforcement and position it around the jumper unit. See *Diagram 1*.

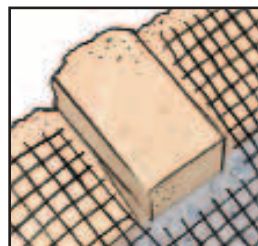


Diagram 1

USING HIGHLAND STONE® 3-INCH AND 6-INCH BLOCK COMBINATION

Follow the instructions for Highland Stone 6-inch block at left for the first layer of geogrid.

If walls are constructed using a random pattern, check the appropriate Geosynthetic Reinforcement Estimating Charts on pages 39 through 41 to help estimate the number of grid layers needed. The charts are for estimating purposes and should not be used for construction. Consult with a qualified engineer to design walls.

Cut around blocks extending into the next-higher course. See *Diagram 1*. To ensure reinforcement integrity, place grid on the horizontal plane that requires cutting around as few blocks as possible.

For specific information on reinforcement, refer to the *Geosynthetic Reinforcement Estimating Charts* on pages 39 to 41.