

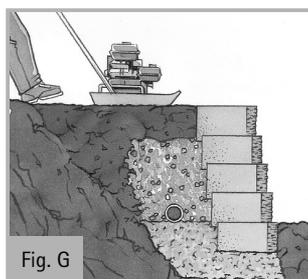
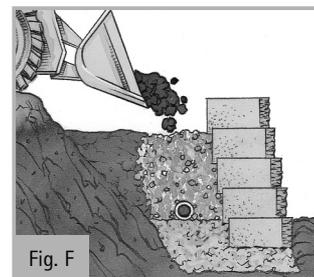
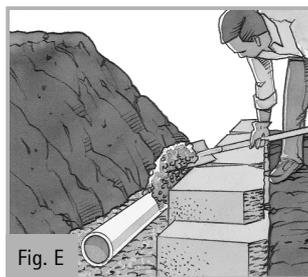
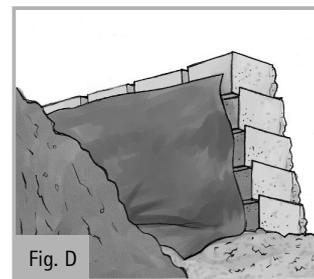
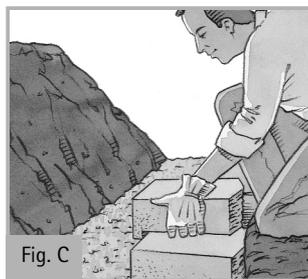
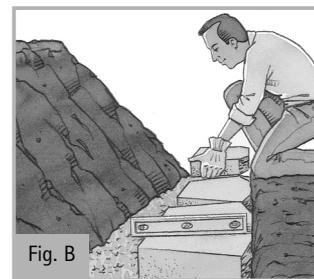
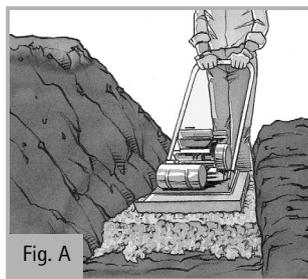
ANCHOR RETAINING WALL INSTALLATION INSTRUCTIONS



Wall Construction

To complete your project, you will need the following hand tools: shovel, tape measure, hammer, chisel, carpenter's level, stakes, string line, garden hose, safety glasses, gloves, pencil, square. You may also need a skid loader, compactor, wheelbarrow and a circular cut-off saw with a masonry blade. Other requirements include a 4" diameter flexible polypropylene pipe (drain tile), a supply of sand and gravel (3/4" minus aggregate with fines) for the base, and gravel (3/4" free-draining aggregate without fines) to use as backfill.

- 1 **Anchor Highland Stone® and Anchor Diamond®:** Using a shovel or a skid loader, dig a trench about 24" wide and deep enough to fit the required amount of buried block and compacted base. For walls 4' high and under, bury one course of units. For walls taller than 4', consult a qualified engineer for design information. Total wall height includes the height of any buried courses.
Anchor Windsor Stone®: Dig a trench 16" wide. If you are going to use one, two or three courses of block, make the trench deep enough to bury half of the first course. If you are going to use four courses or more of block, make the trench deep enough to bury the full first course.
- 2 Firmly compact the soil in the bottom of the trench. Lay 6" (Anchor Highland Stone and Anchor Diamond) or 1" (Anchor Windsor Stone) of compactible base (sand and gravel) in the bottom of the trench and compact. (Fig. A)
- 3 Place the first layer of Anchor units without lips on the prepared base (lips must be manually knocked off units before placement). (Fig. B) Position the units side by side, in full contact with the base, and level in both directions using your carpenter's level. Backfill with free-draining aggregate.
- 4 Continue assembling additional courses by placing units in a staggered relationship to the course beneath (running bond), pulling each unit forward until secure. (Fig. C) **NOTE:** Use gravel (free-draining aggregate) to backfill each additional course as it is installed.
- 4a **Anchor Highland Stone next lift construction:** Follow instructions as noted above. You can install the Anchor Highland Stone system using any combination of units. Keep the wall bond by placing units in a staggered relationship to the course beneath.
- 4b For best results, use a filter fabric, which should be placed directly behind the wall extending from the bottom of the base course to the middle of the top course. This will minimize material coming through the rough-hewn face texture of the Highland Stone. (Fig. D)
- 5 Place drain tile behind the wall at grade to allow water to drain from the backfill. (Fig. E) Outlet the drain tile through the wall at every low point or every 75' of wall length and around the ends of the wall. Backfill with free-draining gravel 12" behind the wall, in 6" layers. Fill in the voids. Organic soil or clay-type soil is not recommended for backfill material.
- 6 Fill any remaining areas behind the wall with soil. (Fig. F) Compact every 12". Repeat steps 4, 5, 6 and 7 until the wall reaches the desired height. For walls taller than 4', consult a qualified engineer for information concerning proper design, backfill and geosynthetic reinforcement. **NOTE:** Maximum wall height for Anchor Windsor Stone is 2'.
- 7 Firmly compact native soil every 12" behind the wall. (Fig. G) Do not compact directly on top of the units.
- 8 You may need partial blocks. To split a block, use a hammer and chisel to score the block on all sides. Pound the chisel on the score line until the block splits. If the block does not split easily, you may need to use a circular cut-off saw with a masonry blade. Read and understand the operating manual before using a saw. **Always wear eye protection when splitting blocks.**



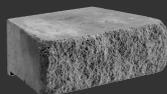
NOTE: Consult the manufacturer for maximum wall heights allowed without grid. Walls over 6' require an engineered, stamped set of plans per City of Omaha Planning Department.

ANCHOR PRODUCT LINE

Anchor Highland Stone®

LARGE UNIT

Nominal Dimensions: 6" x 18" x 12"
(150 mm x 450 mm x 300 mm)
Weight: 73 lbs. (33 kg)*



MEDIUM UNIT

Nominal Dimensions: 6" x 12" x 12"
(150 mm x 300 mm x 300 mm)
Weight: 59 lbs. (27 kg)



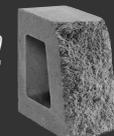
SMALL UNIT

Nominal Dimensions: 6" x 6" x 12"
(150 mm x 150 mm x 300 mm)
Weight: 30 lbs. (14 kg)



JUMPER UNIT (Optional Accessory)

Nominal Dimensions: 12" x 6" x 13 1/4"
(300 mm x 150 mm x 333 mm)
Weight: 48 lbs. (22 kg)



Maximum Wall Height: 4'

Anchor Diamond®

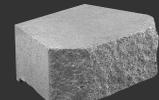
STRAIGHT FACE STYLE

Nominal Dimensions: 6" x 17 1/4" x 12"
(150 mm x 435 mm x 300 mm)
Weight: 72 lbs. (33 kg)



BEVELED FACE STYLE

Nominal Dimensions: 6" x 15 1/8" x 12"
(150 mm x 400 mm x 300 mm)
Weight: 68 lbs. (31 kg)



Maximum Wall Height: 4'

* Partial Core.

Note: Dimensions may vary in store locations.

Nominal Dimensions. Actual dimensions and weight may vary from these nominal dimensions due to variations resulting from the manufacturing process. Specifications may change without notice. See your Anchor representative for details, color options, block dimensions and additional information.

Anchor Windsor Stone®

Nominal Dimensions: 4" x 11 1/8" x 8"
(100 mm x 300 mm x 200 mm)
Weight: 24 lbs. (11 kg)



Maximum Wall Height: 2'