

# Retaining Wall Systems Installation Guide

## Supporting Your Best Ideas

As a leading manufacturer of quality landscape products, Brooklin Concrete is pleased to provide you with this step-by-step installation guide. Although this brochure covers the key points of a standard installation, large-scale installations may require the assistance of a professional landscaper/engineer. If you have any further questions about your installation, please consult with one of our representatives. We're here to help.

## Solid Landscape Choices

Brooklin offers the following easy-to-install wall systems to enhance your outdoor environment. We also offer The LANDMARK® System for heavy duty retaining wall applications. (Size of each piece is 550mm x 600mm x 1800mm, approximately 22" x 24" x 71")

## Quick Wall®

Quick Wall is ideal for small garden walls and edgings. Straight walls, as well as inside and outside curves with a very tight radius, can be created without cutting. This product is packaged, ready-to-use, in bundles of 180 pieces. Quick Wall is available in a number of colour blends, as well as natural grey. (Size of each piece is 4" x 8" x 7")

## Design Wall® & Design Wall® Lite

Design Wall is available in straight or tapered blocks to allow the creation of linear walls or sweeping curves without cutting. Design Wall Lite (tapered only) is available for smaller wall applications. This retaining wall system automatically slopes back 5° to ensure stability. Special units (12" or 20" long) enable the creation of 90° corners. Size is 6" x 8" x 12" (Design Wall) or 6" x 8" x 8" (Design Wall Lite).

## The Brooklin Touch

To give your job the professional finish it deserves, Brooklin Concrete makes three sizes of coping: 24" x 13" x 3", 24" x 9" x 3", and 12" x 9" x 3". All sizes are available in natural grey, brown or charcoal.

# A

## Installation Tools and Supplies

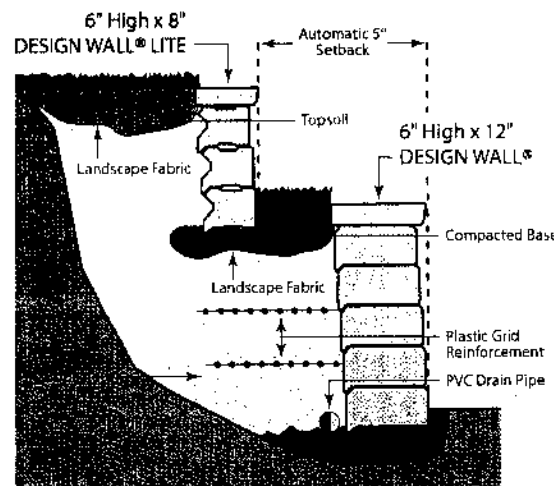
### What You'll Need

- |  |   |
|--|---|
| 1. Shovel                                    | 11. Landscape Fabric  |
| 2. Hand or Plate Tamper                      | 12. Butyl Tape or Adhesive Caulking                                     |
| 3. Wheelbarrow                               | 13. Perforated Drain Pipe (needed if water pressure could be a problem) |
| 4. String Line and Stakes                    | 14. Plastic Grid Reinforcement (required for walls over 3 feet high)    |
| 5. Spray Paint                               |   |
| 6. Small Sledge Hammer and Splitting Chisel  |   |
| 7. Level                                     |   |
| 8. Crushed Stone or Sand for base            |   |
| 9. Frost-free Granular Material for backfill |   |
| 10. Topsoil                                  |   |

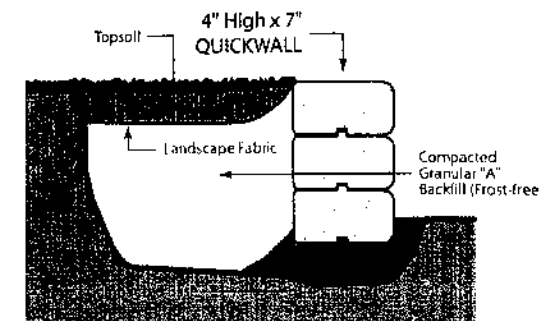
*Note: Amounts of landscape materials will vary depending on scope of project. If unsure of quantities, please contact one of our representatives.*

# B

## Design Wall® & Design Wall® Lite Installation Profile



## Quick Wall® Installation Profile



*Note: Maximum height is 20" or 5 units.*

# C

## Your Installation: Three Basic Steps

# 1

### Step 1

**Dig a trench. It should be a minimum 6"- 8" deep by 12" wide. (Add a minimum 6" extra width for Design Wall installations.) Add a minimum leveling base of 1" of crushed stone and then compact.**

#### Tips:

- Before digging carefully lay out and mark the area with spray paint. A string line and stakes can be used to further mark the area.
- Use a tamper and level to ensure a properly constructed base.

# 2

### Step 2

**Install the first course. Level each stone to its neighbouring stone, placing the pieces tightly together.**

#### Tips:

- Use a level to ensure each piece of the first layer is level side-to-side and front-to-back.
- If water pressure could be a problem, a drain pipe should be installed along the rear face of the trench to allow proper drainage.

# 3

### Step 3

**Start the next row with a 1/2 stone offset. If your wall is over 3' high, use plastic grid reinforcement.**

#### Tips:

- Backfill the area behind the wall using frost-free granular material and then compact it.
- If planting behind the top of the wall, cover the backfill with landscape fabric before adding topsoil. Leave a flap of landscape fabric up the back of the wall to ground level to ensure proper drainage.
- When the wall is brought to final grade, secure the top two courses of stones, including the coping, using butyl tape or a suitable adhesive caulking. (Optional wall coping stones are available)

