

Note: When site conditions require, wrap drainage tile in 3/4" aggregate and filter fabric with drainage composite or aggregate back drain system, as directed by geotechnical engineer.

8" Min. Low Permeable Soil

22"

Unit Drainage Fill (3/4" Crushed Rock or Stone)

Retained Soil

Approximate Limits of Excavation

4" Perforated PVC Drainage Tile Wrapped in Filter Fabric (If Required)

Keystone Country Manor Cap Unit Secured with Kapspeal Adhesive or equal

Keystone Country Manor Unit

24"

1" - 1 1/4"

6"

Finished Grade

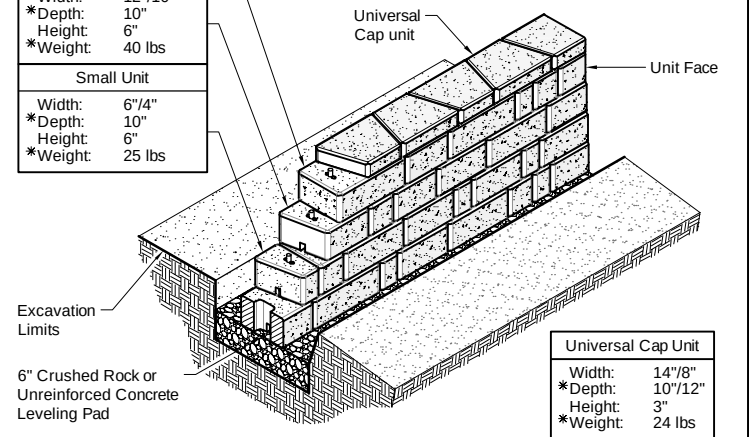
Design Height

Unreinforced Concrete or Crushed Stone Leveling Pad

Foundation Soil

Large Unit	
Width:	16"/14"
*Depth:	10"
Height:	6"
*Weight:	60 lbs
Medium Unit	
Width:	12"/10"
*Depth:	10"
Height:	6"
*Weight:	40 lbs
Small Unit	
Width:	6"/4"
*Depth:	10"
Height:	6"
*Weight:	25 lbs

1. The leveling pad is to be constructed of crushed stone or 2,000 psi± unreinforced concrete
2. The base foundation is to be approved by the site geotechnical engineer prior to placement of the leveling pad.



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The drawing consists of two parts: an elevation view and a section view.

Elevation: This view shows the top of the wall. It features a 6" Country Manor Unit on the left and a 3" Country Manor Cap Unit on the right. Below the stones is a 6" Step, which is a layer of 6" Crushed Rock or Unreinforced Concrete Leveling Pad.

Section: This view shows a cross-section of the wall. It includes a 6" thick layer of 6" Crushed Rock or Unreinforced Concrete Leveling Pad. A 1/2" x 5 1/4" Fiberglass Pin is shown embedded in the pad, with its front face exposed. The width of the pad is labeled as W + 12".

The diagram illustrates the Grid & Pin Connection for the rear and middle pin positions. It shows a grid of fiberglass pins being placed over a unit. A vertical double-headed arrow indicates the 'Strength Direction' is vertical. The grid is shown being placed over the unit, with the text 'Geogrid is to be Placed on Level Backfill and Extended Over the Fiberglass Pins. Place Next Unit. Pull Grid Taught and Backfill. Stake as required.' providing instructions. The diagram also shows the 'Rear Pin Position' and 'Middle Pin Position' with dimensions: 1" setback for the rear pin position and 3/8" Min. for the middle pin position.

Strength Direction

Geogrid is to be Placed on Level Backfill and Extended Over the Fiberglass Pins. Place Next Unit. Pull Grid Taught and Backfill. Stake as required.

Rear Pin Position
1" Setback

Middle Pin Position
Flush Face
3/8" Min.

Fiberglass Pin Alignment and Interconnection

Three trapezoidal units are shown, each with a central rectangular cutout and four small circles (two on each side of the cutout). The units are labeled below them:

- Unit 14/16:** Top width is 16", bottom width is 14", height is 10".
- Unit 10/12:** Top width is 12", bottom width is 10", height is 10".
- Unit 4/6:** Top width is 6", bottom width is 4", height is 10".

3" of Soil Fill is Required Between Overlapping Geogrid for Proper Anchorage (Typ.)

Additional Drainage Fill
Extend Wall Height / 2

Additional Geogrid Overlap
Extend Wall Height / 4

H / 4

H / 4

H / 2

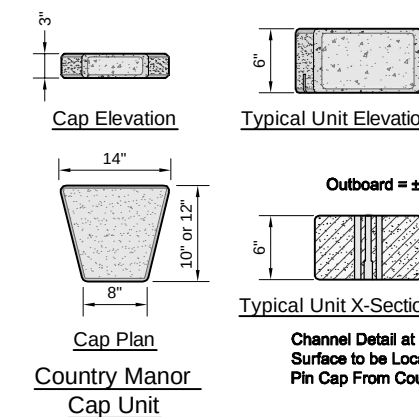
H / 2

Drainage Fill

Note:

1. Check with manufacturer specification on correct direction of orientation for geogrid to obtain proper strength.
2. Corner units recommended for outside corners. Availability May Vary.

* All dimensions are nominal and may vary by region.
All units not available in all locations.



back

12" 10" 12" 10"

Unit 12/12

Middle = Near Vertical

10" 10" 10" 10"

10" 8" 8" 6"

Unit 8/10 Unit 6/8

bottom
er
low

Optional Country Manor Unit Sizes

Designed By: RKM	Title: Country Manor Unit - Details	Date:
Checked By: CDM	Project: Keystone Retaining Wall Systems Typical Wall Details	Project No:
Scale: No Scale		Drawing No: