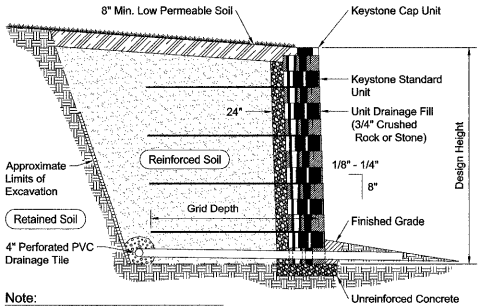
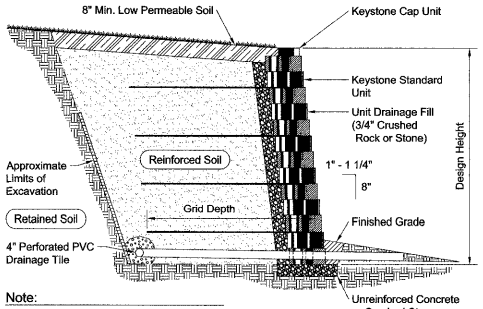


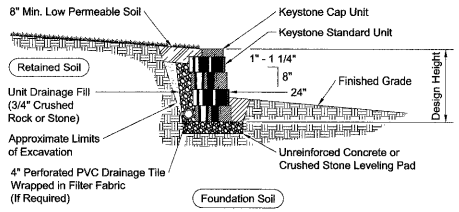
Note:
When site conditions require, wrap drainage tile in 3/4" aggregate and filter fabric with drainage composite or aggregate back drain system, as directed by geotechnical engineer.

Typical Reinforced Wall Section
Standard Unit - Near Vertical Setback



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.

Typical Reinforced Wall Section
Standard Unit - 1" Setback



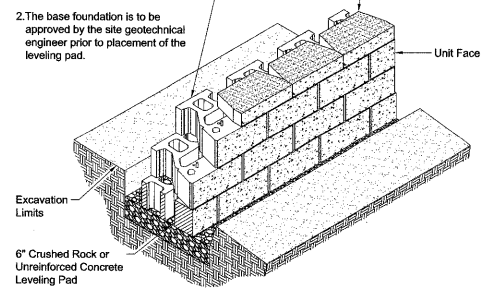
Typical Gravity Wall Section
Standard Unit - 1" Setback

Base Leveling Pad Notes:

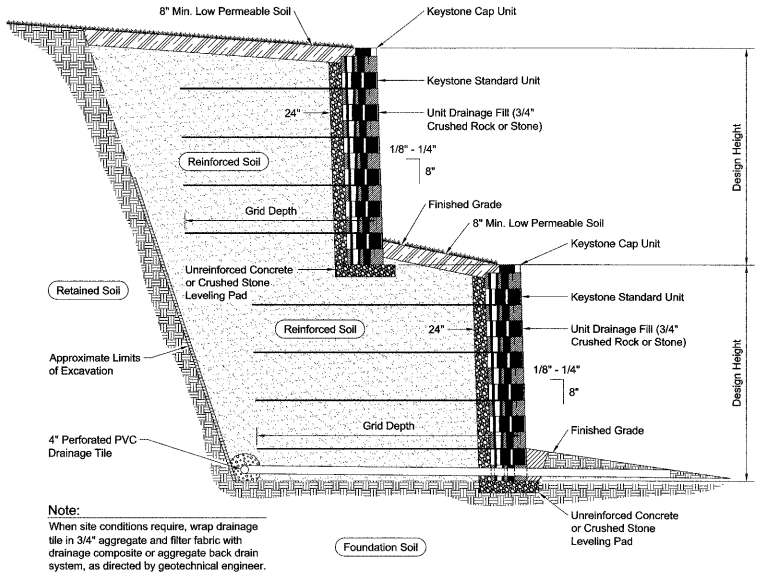
1. The leveling pad is to be constructed of crushed stone or 2,000 psi± unreinforced concrete
2. The base foundation is to be approved by the site geotechnical engineer prior to placement of the leveling pad.

Standard Unit	
Width:	18"
*Depth:	18"
Height:	8"
*Weight:	108 lbs

Cap Unit	
Width:	18"
*Depth:	10 1/2"
Height:	4"
*Weight:	50 lbs

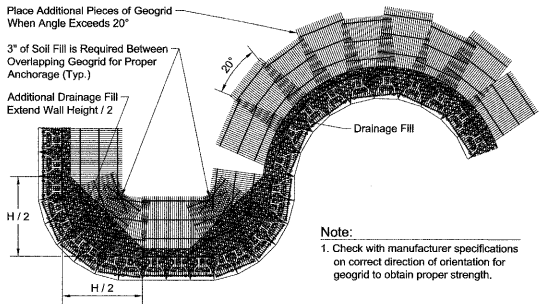


Standard Unit/Base Pad Isometric Section View
* Dimensions & Weight May Vary by Region



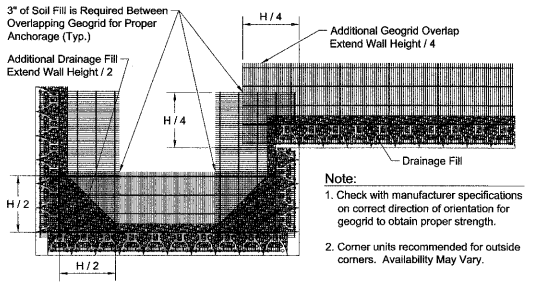
Note:
When site conditions require, wrap drainage tile in 3/4" aggregate and filter fabric with drainage composite or aggregate back drain system, as directed by geotechnical engineer.

Typical Reinforced Tiered Wall Section
Standard Unit - Near Vertical Setback



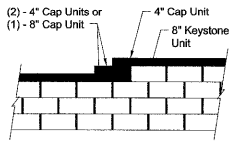
Note:
1. Check with manufacturer specifications on correct direction of orientation for geogrid to obtain proper strength.

Geogrid Installation on Curves



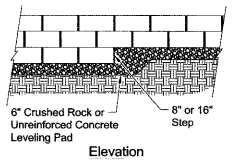
Note:
1. Check with manufacturer specifications on correct direction of orientation for geogrid to obtain proper strength.
2. Corner units recommended for outside corners. Availability May Vary.

Geogrid Installation at Corners



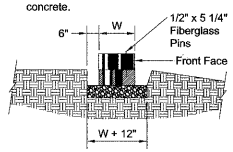
Note:
1. Secure all cap units with Keystone Kapseal or equal.

Top of Wall Steps

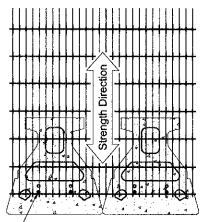


Elevation

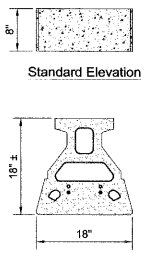
Note:
1. The leveling pad is to be constructed of crushed stone or 2000 psi ± unreinforced concrete.



Section
Leveling Pad Detail



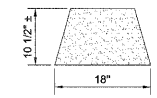
Grid & Pin Connection



Standard Unit
* Dimensions May Vary by Region

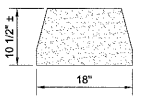
Cap Unit Elevation

Cap Unit Elevation



Cap Unit Plan

Universal Cap Unit Option
* Dimensions & Availability Will Vary by Region



Cap Unit Plan

Straight Split Cap Unit Option
* Dimensions & Availability Will Vary by Region

BLOCK UNITS TO BE BROWN IN COLOR

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Design is for internal stability of the KEYSTONE wall structure only. External stability, including but not limited to foundation and slope stability is the responsibility of the Owner. The design is based on the assumption that the materials within the retained mass, methods of construction, and quality of materials conform to KEYSTONE's specification for this project.

This drawing is being furnished for this specific project only. Any party accepting this document does so in confidence and agrees that it shall not be duplicated in whole or in part, nor disclosed to others without the consent of Keystone Retaining Wall Systems, Inc.

No.	Date	Revision	By

KEYSTONE RETAINING WALL SYSTEMS
A CONTECH COMPANY
4444 W 78th Street
Minneapolis, MN 55435
952-897-1040

06-SP-101-A
APPROVED
TOWN OF CARY
Approved by Planning ___ Date 4-4-08
Engineering ___ Date 3/24/08

Designed By: RKM	Title: Standard Unit 18 - Straight Face Details	Date: 09-05-06
Checked By: CDM	Project: Keystone Retaining Wall Systems Typical Wall Details NOTE : COLOR TO BE TAN	Project No: 06-SP-101
Scale: No Scale		Drawing No: 24 OF 24

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07-057