

John Borns

From: Justin Generally [justin.g@txrac.com]
Sent: Monday, September 16, 2013 2:31 PM
To: John Borns
Subject: FW: Stanley Event Center - Landscape Wall detail
Attachments: Landscape Wall Detail 9-16-13.pdf; imagejpeg_2.jpg; IMAG0044.jpg

Good afternoon John,

Please see the attached photos and wall detail approved by Mike Falbe from Bob D. Campbell (engineer of record). Please let me know if you need anything else in regards to the landscape wall.

Thanks and have a great day,

From: Justin Generally [mailto:justin.g@tri-ac.com]
Sent: Monday, September 16, 2013 2:28 PM
To: justin.g@txrac.com
Subject: Fwd: Stanley Event Center - Landscape Wall detail

----- Forwarded message -----

From: J Falbe <JFalbe@bdc-engrs.com>
Date: Mon, Sep 16, 2013 at 1:41 PM
Subject: Stanley Event Center - Landscape Wall detail
To: "justin.g@tri-ac.com" <justin.g@tri-ac.com>
Cc: "Mike J. Falbe" <mfalbe@bdc-engrs.com>

Justin:

Please see the attached drawing from Mike Falbe.

Thanks and have a good day!

Jamie Falbe

BOB D. CAMPBELL & CO., INC.

4338 Belleview

Kansas City, MO 64111

Phone: 816-531-4144 Fax: 816-531-8572

jfalbe@bdc-engrs.com



DESIGN ASSUMPTIONS:

-

7-3-13

REVIEWED - BOB D. CAMPBELL
BY M JF & CO., INC.
DATE 9-16-13

TYPICAL WALL SECTION
STANLEY EVENT CENTER
LEE'S SUMMIT, MO

Venture™

Retaining Wall Systems

PRODUCT INFORMATION AND INSTALLATION GUIDELINES

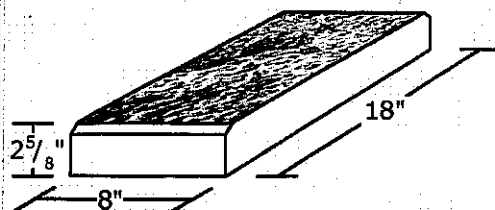


*V-12 Wall Units
with
Venture Caps*

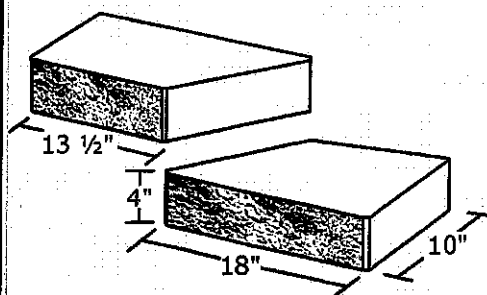


*V-12 Wall Units
with
Crown Caps*

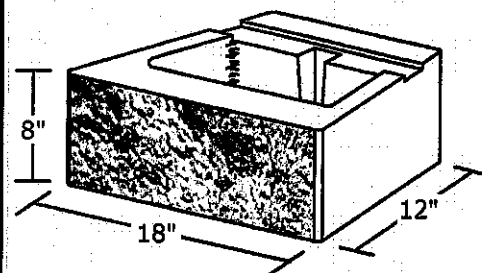
Wall Unit: **Venture Cap**
Unit Size: 2 5/8" H x 18" W x 8" D
Unit Weight: 30 lbs.
Exposed Face: .33 sq. ft.



Wall Unit: **Crown Cap**
Unit Size: 4" H x 18" W x 10" D
Unit Weight: 56 lbs.
Exposed Face: .5 sq. ft.



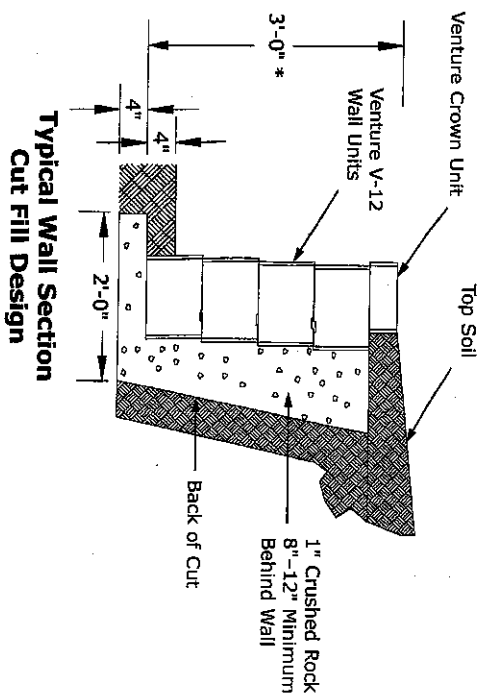
Wall Unit: **V-12**
Unit Size: 8" H x 18" W x 12" D
Unit Weight: 78 lbs.
Exposed Face: 1 sq. ft.



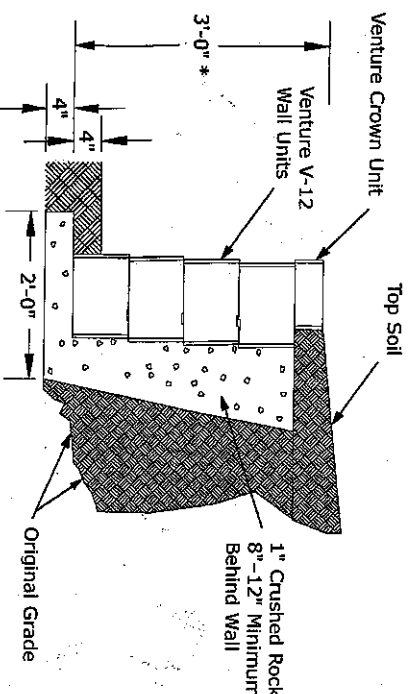
Superior Customer Service – It Makes a Difference
"Venture the Possibilities"

INSTALLATION GUIDELINES

The following installation guidelines are recommended by VENTURE RETAINING WALL SYSTEMS, LLC and are generally accepted standards for the Modular Retaining Wall Industry.



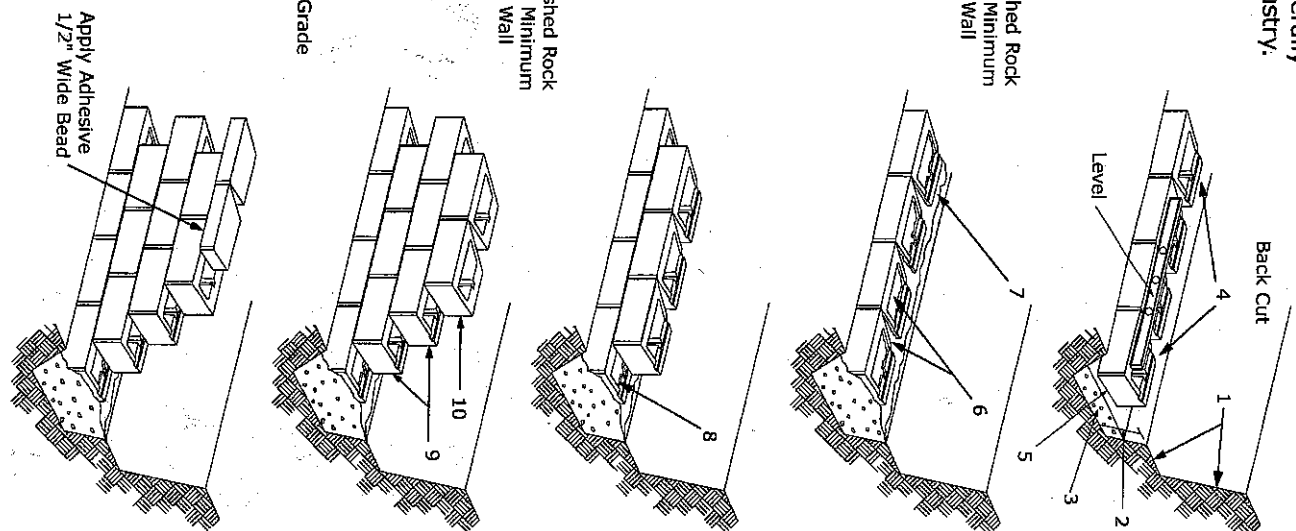
Typical Wall Section Cut Fill Design



Typical Wall Section Complete Fill Design

* Total wall height (Above and Below Grade) should not exceed 3'-0".

Taller walls may be constructed with qualified engineering and design.



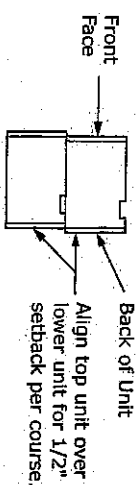
1. Excavate to the lines and grades required.
2. Leveling pad should be cut to a depth of 8". Place and compact 4" of 1" minus crushed rock. The leveling pad material should be compacted to provide a level surface on which to place the first course of Venture V-12 Wall Units.

WALL UNIT INSTALLATION

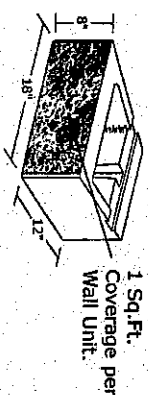
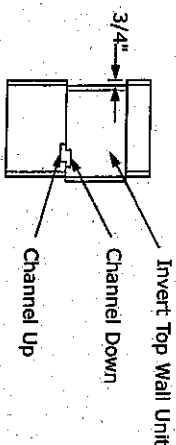
4. First course of Venture V-12 Wall Units shall be placed on the base leveling pad. The units should be checked for level installation and alignment.
5. Ensure units are in full contact with base.
6. Prior to placing additional units on base course, fill the unit cores and between units with corefill material (1" minus crushed rock is recommended). This will lock base units in place and help maintain wall alignment.
7. Place corefill material behind wall units to a minimum depth of 8" to 12". This will allow free drainage of water, which reduces the pressures applied to the back side of the wall.
8. Sweep all excess material from top of units and install next course. When each course is completely unit filled, back fill and compact behind the wall in 8" lifts, prior to installation of the next course.

NOTE:

Two or three courses may be set in place prior to placement of unit corefill. However, backfill materials should be installed in 6" to 8" lifts and compacted. Units are placed side by side for full length of wall alignment. Alignment may be done by means of a string line placed at the back of the unit. A minimum 1/2" setback per 8" course is recommended.

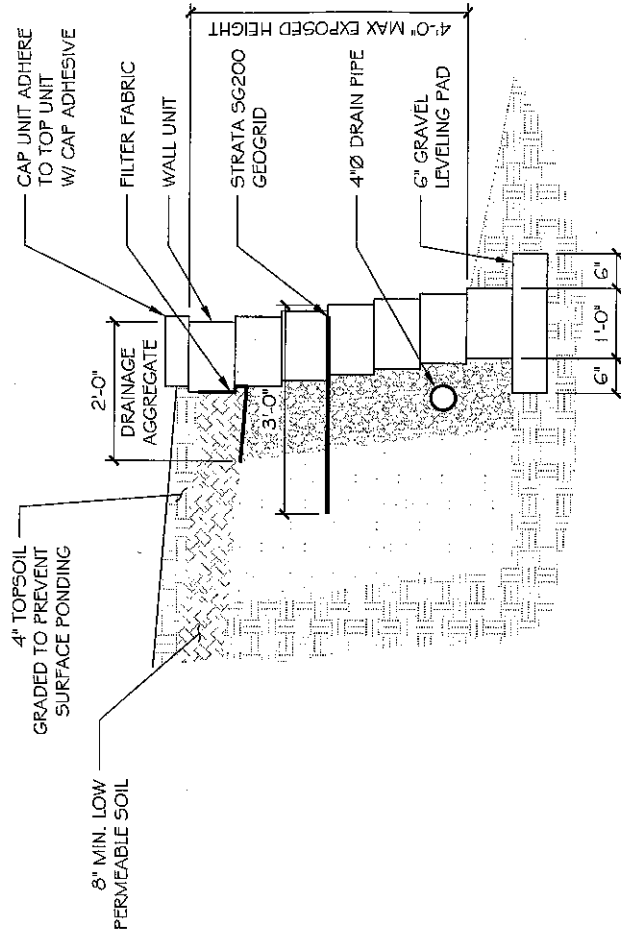


10. Invert top wall unit to allow better installation of cap units. To ensure attachment, use a bonding adhesive designed to adhere concrete to concrete. Apply adhesive to top surface of units below and place cap units into position. Backfill and compact to finished grade. A 3/4" overhang is recommended for cap units.



Colors: Standard Gray, Buff or Brown

FOR ADDITIONAL INFORMATION, CONTACT:
Venture Retaining Wall Systems, LLC
1333 W 120th Ave, Ste 312
Denver, Colorado 80234
(P) 303.254.8846 / 800.853.8846 (F) 303.254.8901
www.venturewalls.com

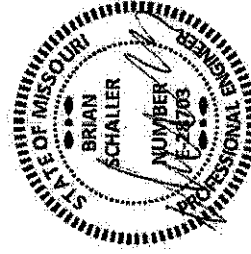


4'-0" TALL WALL SECTION

NOT TO SCALE

DESIGN ASSUMPTIONS:

1. FOUNDATION SOIL SHALL BE LEAN CLAY WITH THE FOLLOWING PROPERTIES:
INTERNAL FRICTION ANGLE = 24° , UNIT WEIGHT = 120 PCF
2. RETAINED SOIL SHALL BE LEAN CLAY WITH THE FOLLOWING PROPERTIES:
INTERNAL FRICTION ANGLE = 24° , UNIT WEIGHT = 120 PCF
3. REINFORCED BACKFILL SHALL BE LIMESTONE SCREENINGS OR CLEAN GRAVEL
WITH FOLLOWING PROPERTIES:
INTERNAL FRICTION ANGLE = 34° , UNIT WEIGHT = 130 PCF
4. GEOGRID SHALL BE STRATA SG200 OR APPROVED EQUAL.
5. DRAINAGE AND UNIT FILL SHALL BE $\frac{3}{4}$ " CLEAN GRAVEL.
6. PROVIDE POSITIVE SLOPE AWAY FROM TOE OF WALL.
7. WALL IS DESIGNED FOR 25 PSF LIVE LOAD SURCHARGE.



7-3-12

TYPICAL WALL SECTION
STANLEY EVENT CENTER
LEES SUMMIT, MO