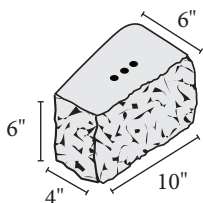


COUNTRY MANOR



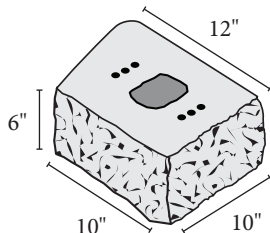
Old world charm...Country Manor

SMALL UNIT



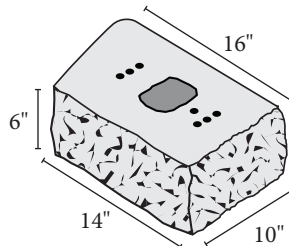
Dimensions:
6" h x 10" d x 6" / 4" d
Face size: 6" x 6" / 4"

MEDIUM UNIT



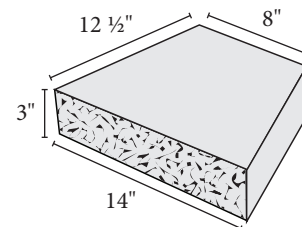
Dimensions:
6" h x 10" d x 12" / 10" w
Face size: 6" x 12" / 10"

LARGE UNIT



Dimensions:
6" h x 10" d x 16" / 14" w
Face size: 6" x 16" / 14"

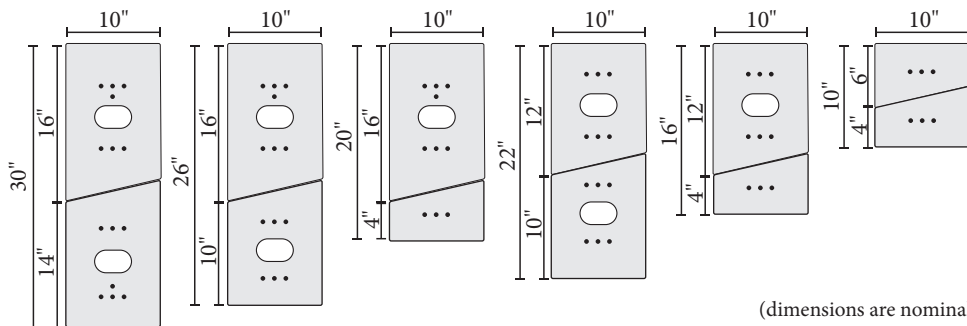
UNIVERSAL CAP



Dimensions: 3" h x 12 1/2" d x 8" / 14" w
Weight: 30# ea
Face size: 3" x 8" / 14"
(1 cap = .92 ln ft)

UNIT DIMENSION COMBINATIONS

When developing the wall design and layout for straight or curved walls with corners, offsets, and pilasters, it is best to work in increments of 10" for geometry offset. For running walls, either straight or curved, work in even dimensional increments for single units or combination of units as shown below. Build walls in random layout, adjusting with unit selection or unit cutting as required to fit between fixed dimension points.



(dimensions are nominal)

SHOULDERED PINS



5 1/4" Long Fiberglass Pins

FEATURES

- Random patterns
- Earth-tone colors
- Natural stone appearance
- Secure Keystone pinned system
- May be used for free standing wall

Kingston



Harvest



Granite



Dover



Woodland



YOUR MASONRY LANDSCAPE SOURCE



King's Material, Inc · Cedar Rapids · Coralville · Eldridge · www.kingsmaterial.com
Marquart Concrete Products · Clear Lake · Marshalltown · Waterloo · www.marquartconcreteproducts.com

© 2013 King's Material, Inc.
All Rights Reserved

COUNTRY MANOR

PACKAGING

Country Manor will be sold in sets of 3 only and returned the same.
Shouldered Pins and Universal Caps will be sold per each.

1 set = 1.4 S. F. - Each set weighs 125 lbs.

All 3 units are soft split on three sides.

Pallet size: 24 sets per pallet = 33.6 S. F.

Weight of pallet = 3,000 lbs.

Use 2.5 shoulder pins ± per S.F. or 3.5 shoulder pins average per set.

3" Universal Cap - 14" / 8" w x 12½" d - 30 lbs. ea

Takes 1.13 Caps per L.F.

Pallet size: 96 pieces per pallet

Weight of pallet = 2,880 lbs.

BASIC INSTALLATION STEPS

1. Prepare the Base Leveling Pad Remove all surface vegetation and debris. Do not use this material as backfill. After selecting the location and length of the wall, excavate the base trench to the designed width and depth (min. 20" W x 12" D) [500mm x 300mm]. Start the leveling pad at the lowest elevation along wall alignment. Step up in 6" (150mm) increments with the base as required at elevation changes in the foundation. Level the prepared base with 6" (150mm) of well-compacted granular fill (gravel, road base, or ½" to ¾" [10 - 20 mm] crushed stone). Compact to 95% Standard Proctor or greater. Do not use PEA GRAVEL or SAND for leveling pad.

2. Install the Base Course Place the first course of Country Manor units end to end (with front corners touching) on the prepared base. The long groove (receiving channel) on the unit should be placed down and the three pin holes should face up. Make sure each unit is level - side to side and front to back. Leveling the first course is critical for accurate and acceptable results. For alignment of straight walls, use a string line aligned on the unit pin holes for accuracy. Minimum embedment of base course is 6" below grade.

3. Insert the Fiberglass Pins Place the shouldered fiberglass pins into the holes of the Country Manor Units (note: place one pin only per each grouping of three holes). Place pins in the middle hole for near vertical alignment or the holes nearest the embankment for a 9.5° +/- setback per course. According to wall requirements and design, the front pin hole (towards the face of the wall) can be used randomly to allow a forward projection of a specific unit for accent and variation in the wall appearance.

4. Install Drainage Fill, Backfill and Compact Once the pins have been installed, provide ½" - ¾" (10 - 20mm) crushed stone drainage fill behind the units to a minimum depth of 12" (300mm). Fill open spaces between units and open cavities/cores with the same drainage material. Proceed to place backfill in maximum 6" (150mm) layers (lifts) and compact to 95% Standard Proctor with the appropriate compaction equipment. Do not use heavy ride-on compaction equipment within 3' (1m) from back of wall. Do not use jumping or ramming type compaction.

5. Install Additional Courses Place the next course of Country Manor units over the fiberglass pins, fitting the pins into the long receiving channel recess of the units above (Note: Some removal of debris in the pin holes and channel may be necessary prior to placement). Push the Country Manor units toward the face of the wall until they make full contact with the pins. If pins do not connect with channel but align in open core of upper unit, place drainage fill in core to provide unit interlock with pin. For near vertical alignment, center the unit above over the center placed pins below.

6. Capping the Wall Continue all steps until ready to place the wall cap. Clean off the last course of Country Manor in preparation for the cap or coping to finalize the wall. With units dry and clean, use construction adhesive (SRW Adhesive) to secure the caps to the units. Install the Country Manor 3" (75mm) Universal Cap Unit, architectural precast concrete or cut stone as a coping element. Cap may be flush or overhanging as required by aesthetics and design. Note: For taller, more critical walls, refer to geogrid soil reinforcement recommendations in the Keystone Country Manor Construction Manual..

GENERAL NOTES

- Units may vary due to texturing processes and unit sizes by region. Verify unit type, size, weight availability by region. Units may vary up to 1" + (25mm) due to texture variations.
- Clean out pin holes and receiving channel as required to assemble wall. During manufacturing, some concrete crumbs may deposit in these areas and should be removed to permit pins to be placed in the appropriate holes and receiving channel.
- Cut or split units as required (with a mason saw, hydraulic break or chisel and hammer) for corners, caps or wherever units need to be altered to allow construction to be finalized. (Cuts produce smooth finish; splits produce textured finish.)
- When cutting concrete units, always wear safety goggles, gloves and filter mask per manufacturer's recommendations.
- Use SRW Adhesive for all units in parapet walls, columns, etc. where wall is built freestanding (not retaining soil). Use vertical bead of adhesive between units in freestanding wall to avoid daylight view through wall units. Use adhesive as required at 90° corners or where pins do not interconnect units.

YOUR MASONRY LANDSCAPE SOURCE



King's Material, Inc · Cedar Rapids · Coralville · Eldridge · www.kingsmaterial.com
Marquart Concrete Products · Clear Lake · Marshalltown · Waterloo · www.marquartconcreteproducts.com

© 2013 King's Material, Inc.
All Rights Reserved