Note: Image shown does not exactly match the detail within this design.
You will need:

- 51 - 16"/14"w Large Stonegate units
- 54 - 12"/10"w Medium Stonegate units
- 55 - 6"/4"w Small Stonegate units
- 36 - 12"/10"w Stonegate Cap units
- Crushed Aggregate - 29 cf
- Keystone Interlocking Shouldered Pins* (approx. 117)
- Exterior Construction Grade Adhesive

Notes:

- All Keystone Stonegate units are 6"h x 10"d. *
- Keystone Cap units are 3"h x 11"d

* Keystone recommends the use of its interlocking pins when alignment allows. Use pins in conjunction with exterior grade construction adhesive to maximize stability of your structure.
KEYSTONE BUILDING IDEAS • 84" BENCH WITH COLUMNS

Bench Side Elevation

Bench Front Elevation
After selecting the location of project, excavate the base trench (according to the dimensions in the plan below). Do not use this excavated material as backfill. Remove all surface vegetation and debris. Start the leveling pad at the lowest elevation. Level the prepared base with 6" of well-compacted granular fill (ex. gravel, road base, or 1/2" to 3/4" [10 - 20 mm] crushed stone). Compact. Do not use PEA GRAVEL or SAND for leveling pad.
2nd Course Isometric

Upside Down Units

Fill Open Center of bench w/Drainage
Fill Material to Support Rear Bench
Seat Capping Units
Consolidate Fill by Hand Tamping

2nd Course Plan

Upside Down Units

Fill Open Center of bench w/Drainage Fill Material to Support Rear Bench Seat Capping Units Consolidate Fill by Hand Tamping

8'-8" Column

124"

20" Column

28"

8'-6"

20" Column

84" Bench

20" Column

8'-8" Column
4th Course Isometric

- Upside Down Units
- 3rd Course Below

Fill Open Center of bench w/ Drainage
Fill Material to Support Rear Bench
Seat Capping Units
Consolidate Fill by Hand Tamping

4th Course Plan

- 20" Column
- 84" Bench
- 8" Column

124"
Cap Unit Note:
This bench and columns design uses Keystone Cap units. Cap units to be cut or hard split are labeled with angular hatching.

Hard split all exposed perimeter cap units labeled "split" cap units and soften the outside edges of the hard split "split" cap units using a masons hammer to match the cap units tumbled edges. Saw cut all other interior "cut" cap units.

Bench Seat Capping Note:
The bench seat capping units may be placed after the 5th course back wall and columns have been installed to better fit the rear capping units that need to be cut to meet the 5th course back wall and column faces.
Cap Unit Note:
This bench and columns design uses Keystone Cap units. Cap units to be cut or hard split are labeled with angular hatching.

Hard split all exposed perimeter cap units labeled “split” cap units and soften the outside edges of the hard split “split” cap units using a mason’s hammer to match the cap units tumbled edges. Saw cut all other interior “cut” cap units.

Bench Back Wall Capping Note:
The bench back wall capping units may be placed after the 8th course columns have been installed to better fit the capping units that need to be cut.
8th Course Isometric

7th Course Below

7th Course w/Capping Below

8th Course Plan

124"

20" Column

7th Course w/Capping Below

20" Column

20" Column

84" Bench Below

20" Column

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COURSE BY COURSE INSTRUCTIONS

Keystone Step-by-Step Kits 13
9th Course Isometric

8th Course Below

7th Course Capping Below

9th Course Plan

124"

20" Column

20" Column

7th Course Capping Below

84" Bench Below

20" Column

20" Column
9th Course Capping Isometric

Optional Capping Top
Center Units Over Cap Units Below (Both Sides)

Column Capping
Center Units Over Column Blocks Below (Both Sides)

8th Course Below
9th Course Column Below
7th Course Capping Below

Cap Unit Note:
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