



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



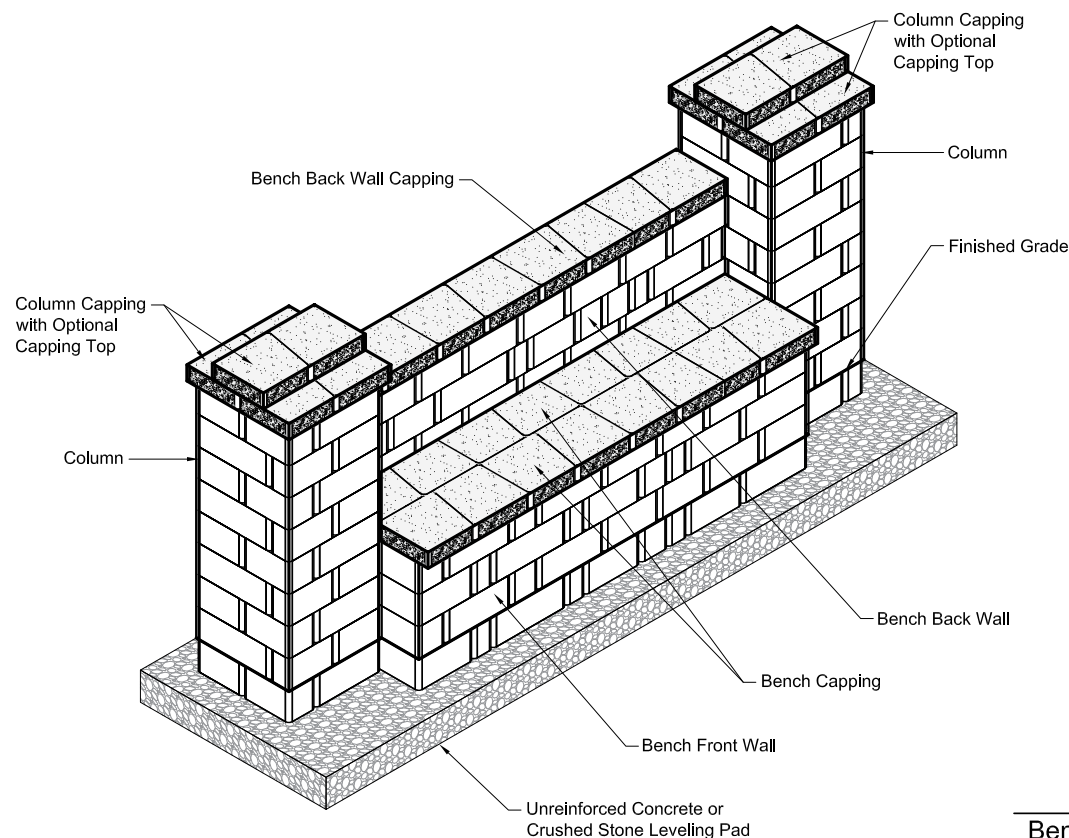
84" BENCH WITH COLUMNS INSTALLATION INSTRUCTIONS



KEYSTONE BUILDING IDEAS • 84" BENCH WITH COLUMNS

BASIC TOOLS

SAFETY	ALTERATIONS	LAYOUT	FINISHING	LEVELING	GENERAL
					
Gloves	Safety Glasses	Stone Chisel	Mallet	Layout Stakes	Line
					
			Caulking Gun	Concrete Adhesive	
					
				Level	Mallet
					
					Shovel
					
					Wheelbarrow
					
					Hand Compactor



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

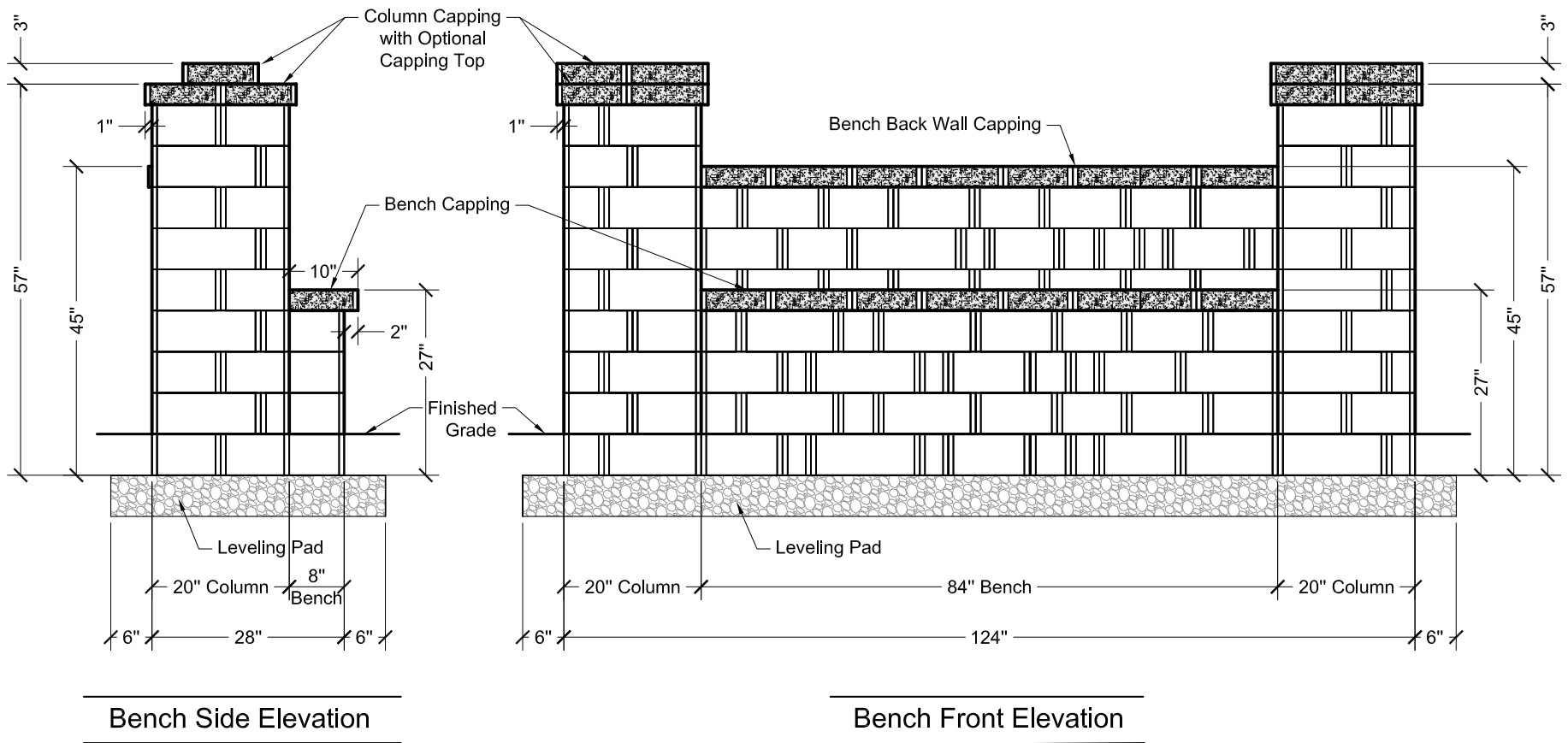
Notes:

- 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.

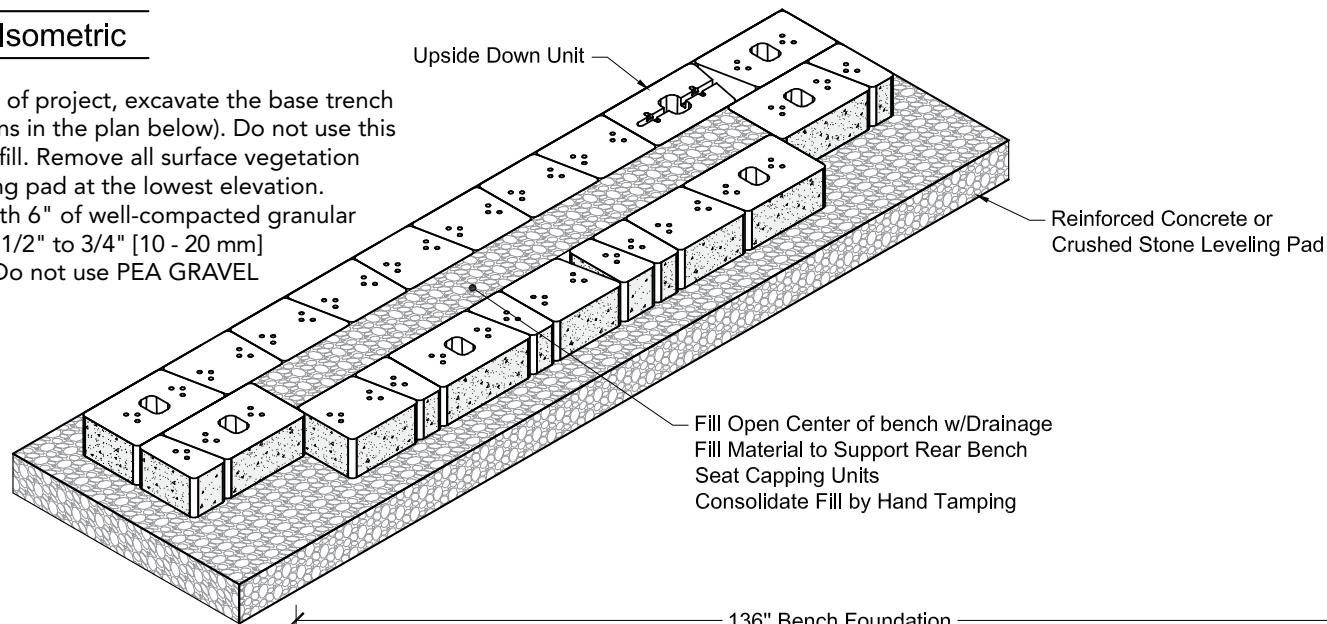
Bench Isometric

KEYSTONE BUILDING IDEAS • 84" BENCH WITH COLUMNS

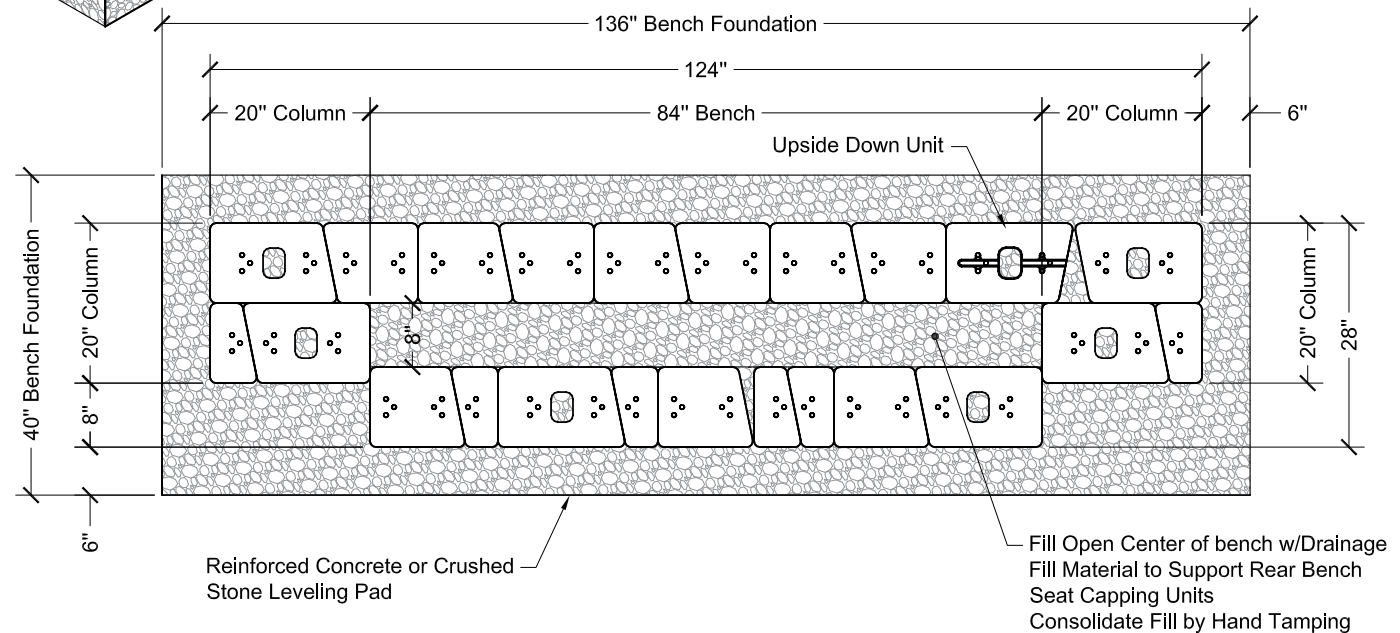


1st Course / Base Isometric

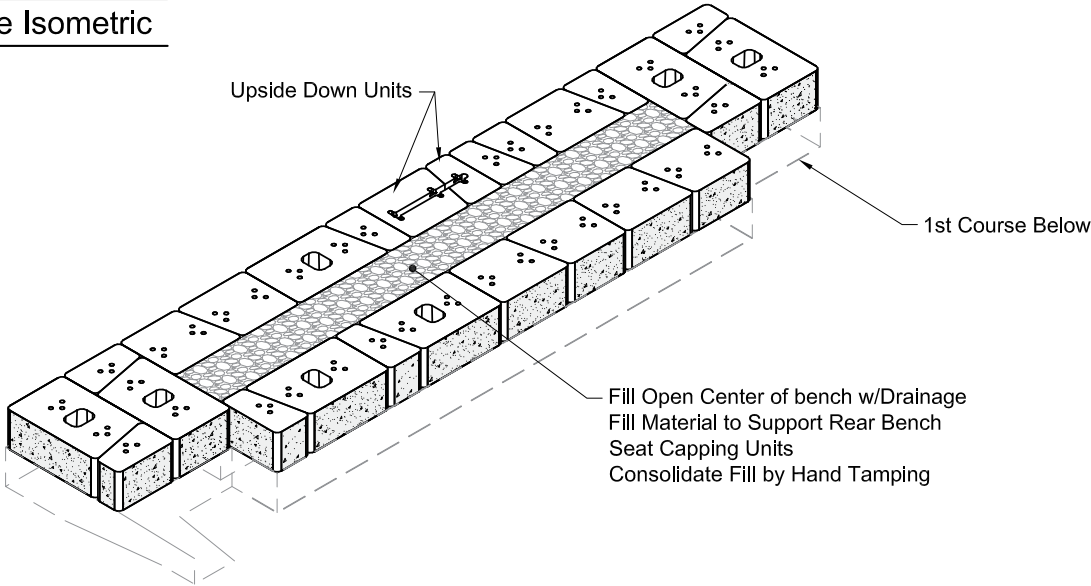
After selecting the location of project, excavate the base trench (according to the dimensions in the plan below). Do not use this excavated material as backfill. Remove all surface vegetation and debris. Start the leveling pad at the lowest elevation. Level the prepared base with 6" of well-compacted 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.



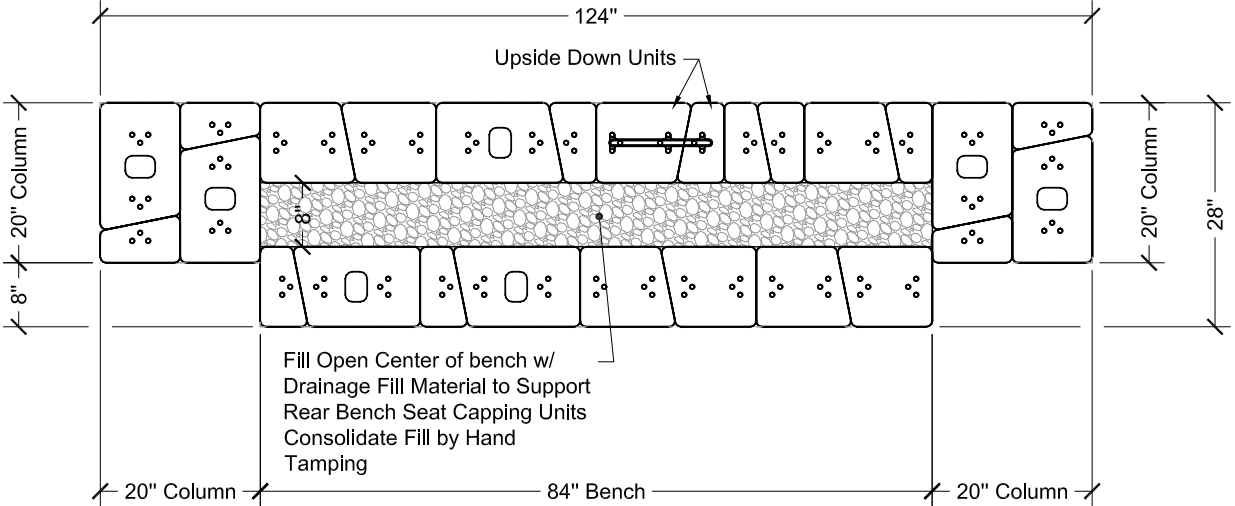
1st Course / Base Plan



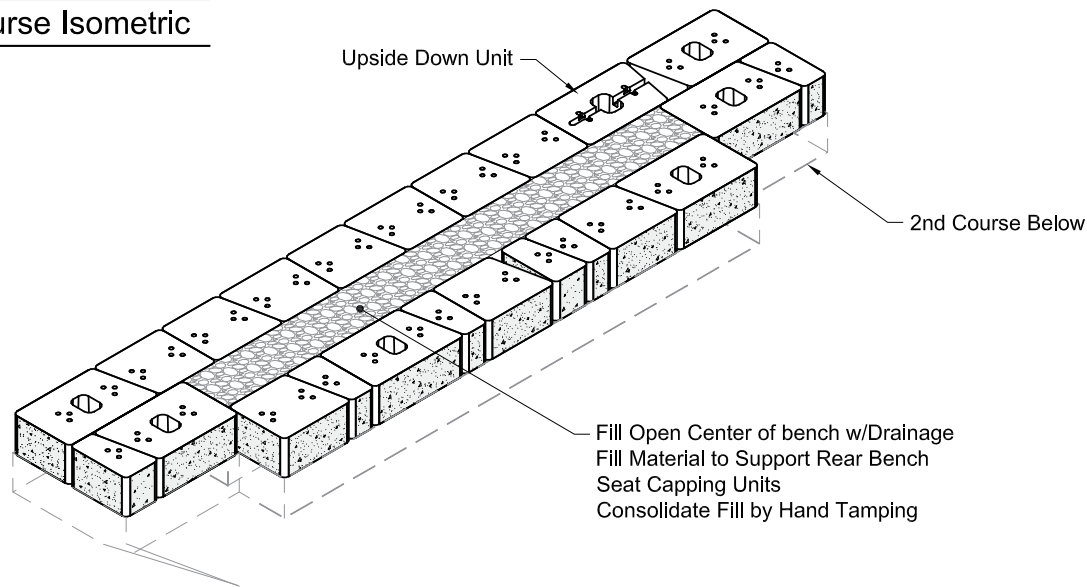
2nd Course Isometric



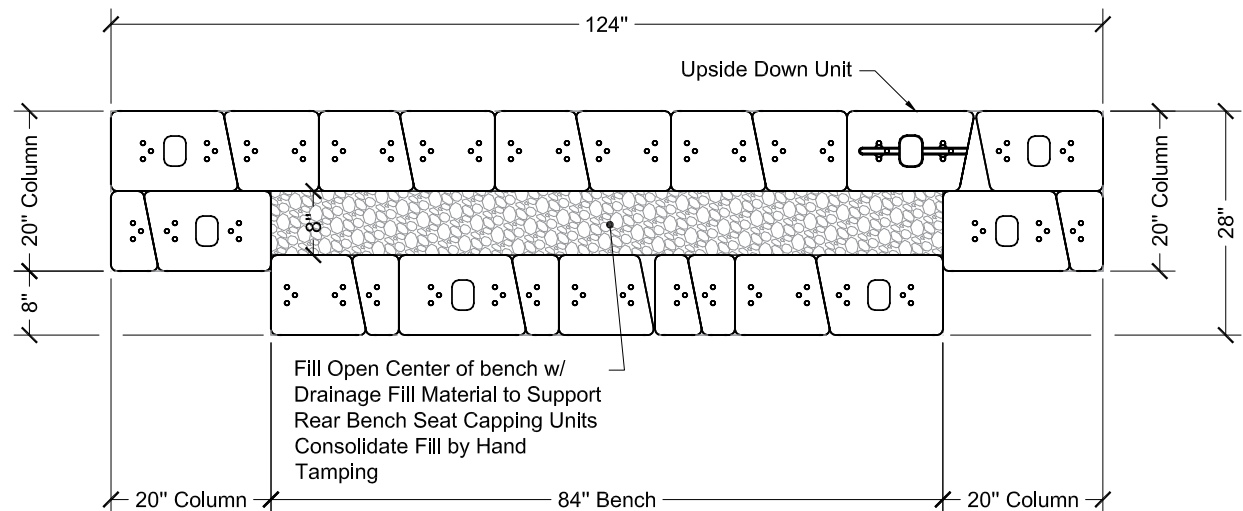
2nd Course Plan



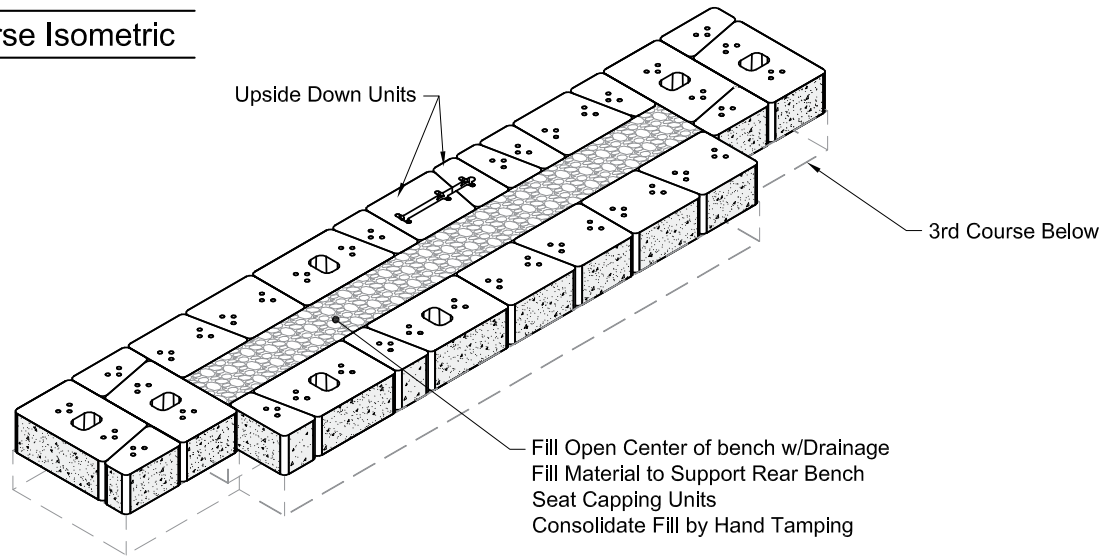
3rd Course Isometric



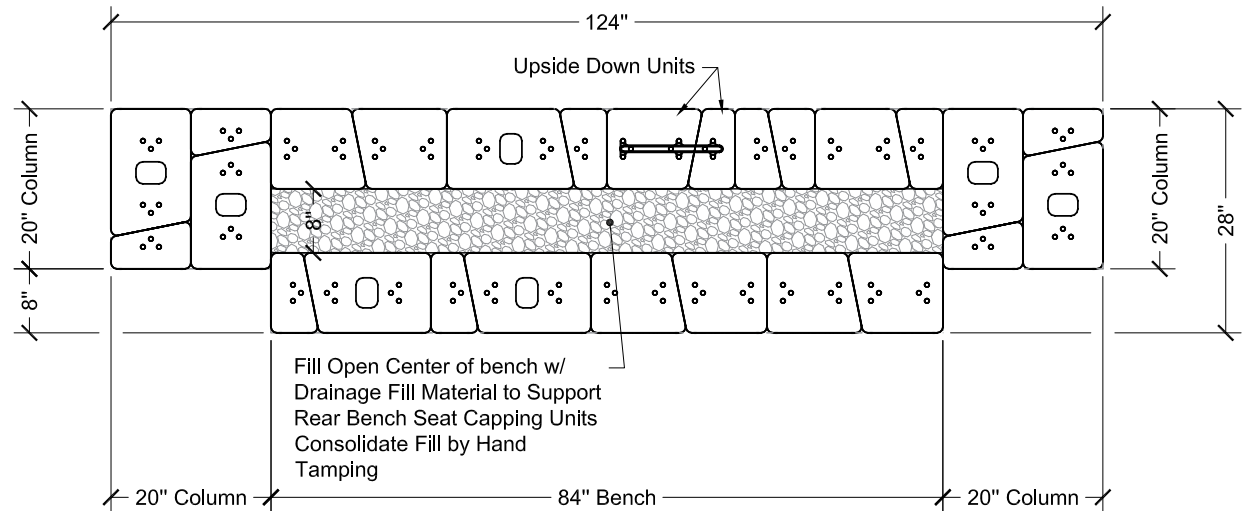
3rd Course Plan



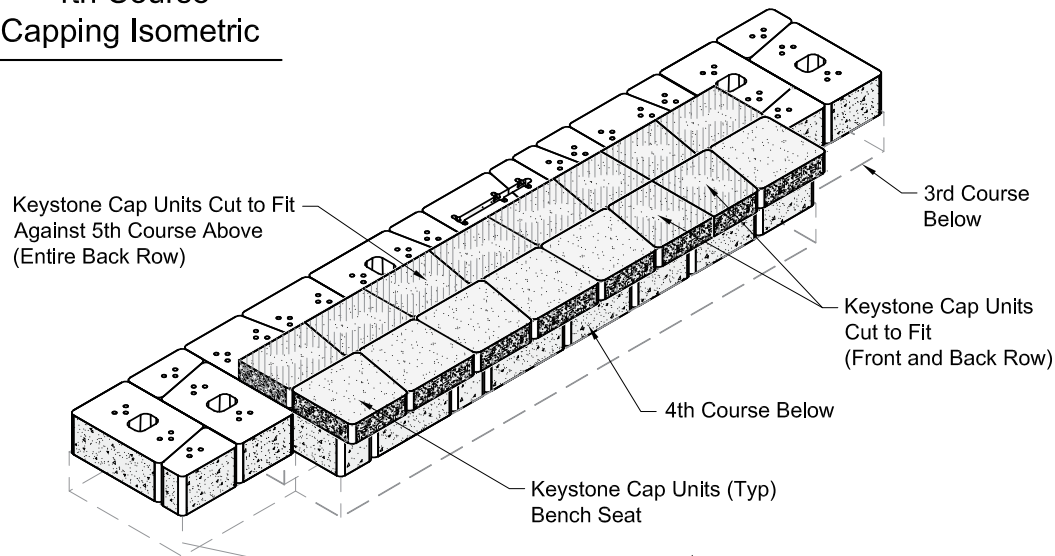
4th Course Isometric



4th Course Plan



4th Course Capping Isometric



Cap Unit Note:

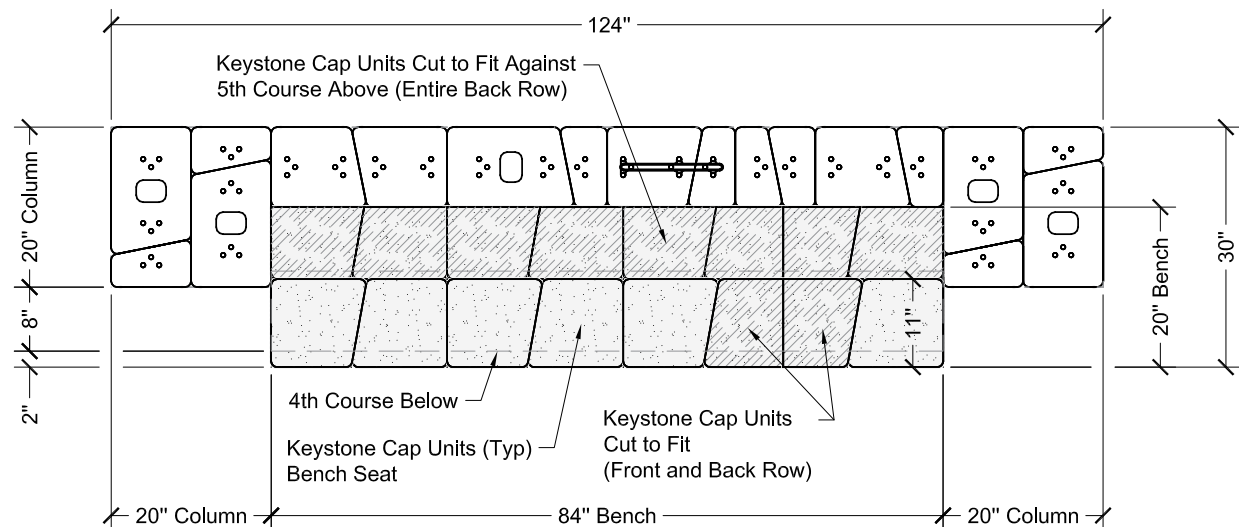
This bench and columns design uses Keystone Cap units. Cap units to be cut or hard split are labeled with angular hatching.

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.

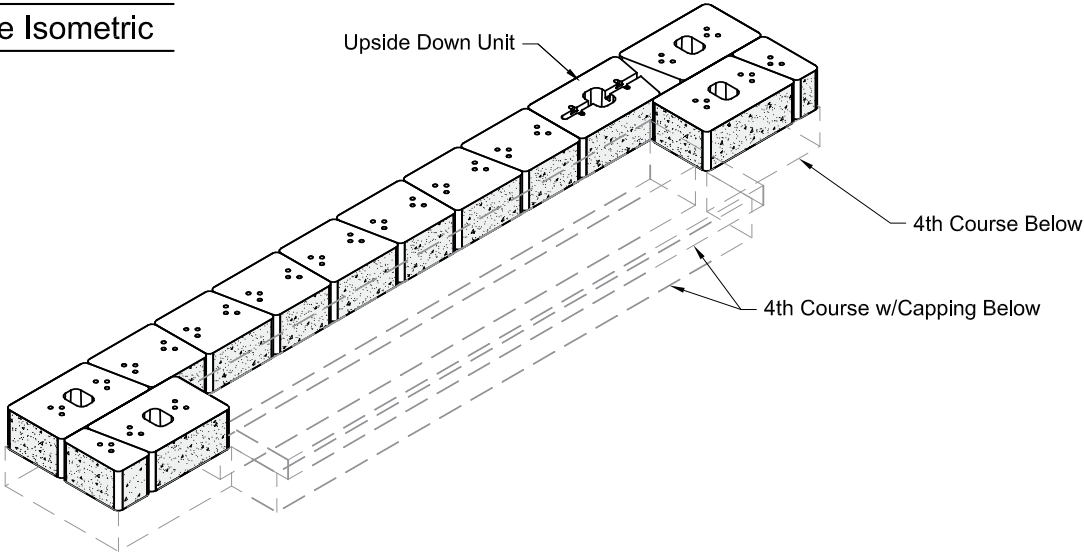
Bench Seat Capping Note:

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.

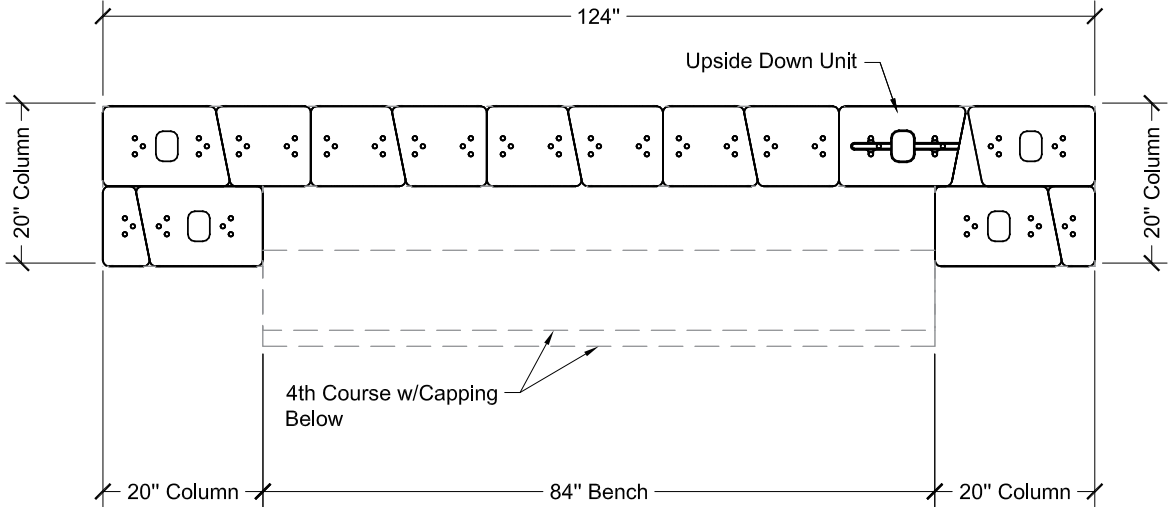
4th Course Capping Plan



5th Course Isometric



5th Course Plan



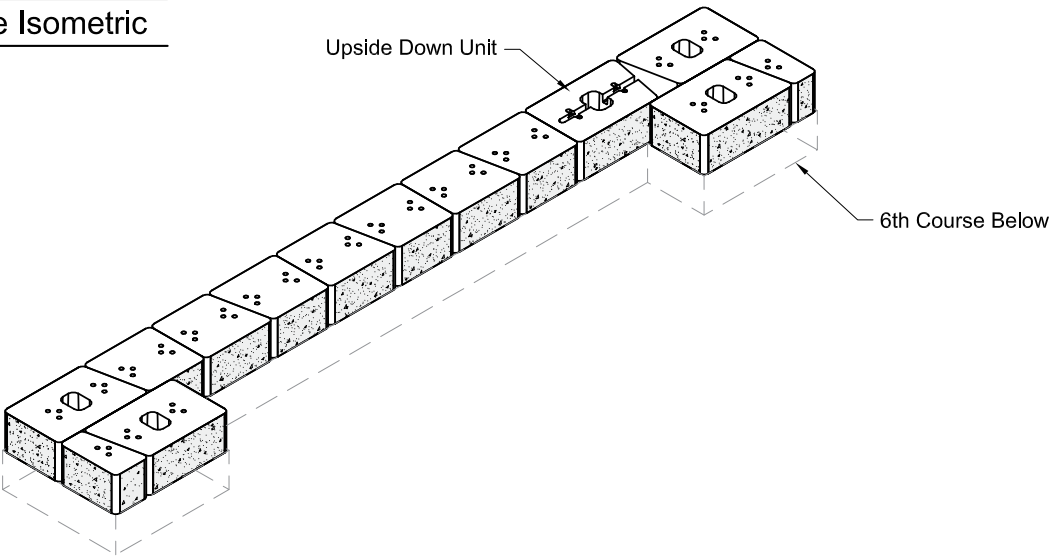
Isometric

This isometric diagram illustrates a brick wall with a specific course of bricks laid upside down. The wall is composed of several courses of bricks. A dashed line indicates the '5th Course Below'. A label 'Upside Down Units' points to a section of the wall where the bricks are laid with their top face (the face with the diagonal line and dots) facing downwards. This section is highlighted with a cross-hatched pattern. The bricks in the courses above and below this section are laid normally, with their top faces facing upwards. The diagram shows the wall's structure in three dimensions, including the depth of the bricks and the mortar joints.

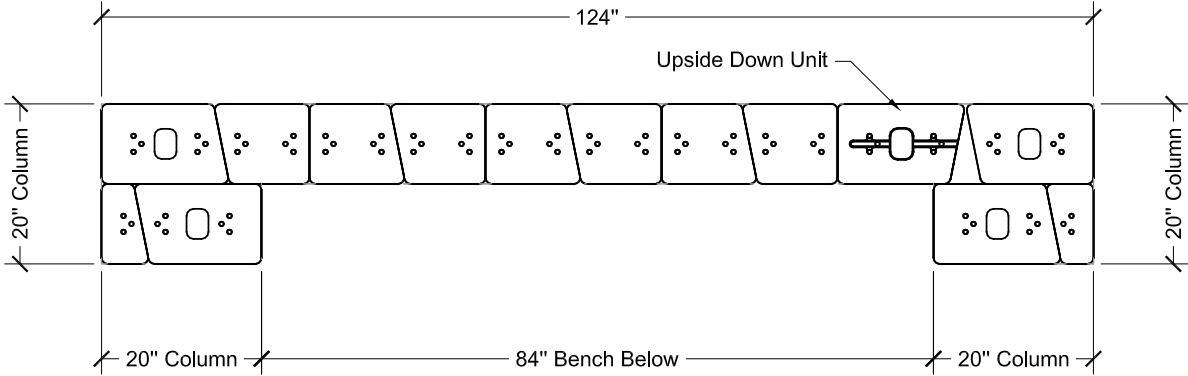
Diagram illustrating the layout of a bench with dimensions and unit types:

- Total length: 124"
- Height: 20"
- Width of central section: 84" Bench Below
- Width of side columns: 20" Column
- Units shown include:
 - Upside Down Units (indicated by arrows)
 - Units with square patterns (indicated by arrows)
 - Units with circular patterns (indicated by arrows)

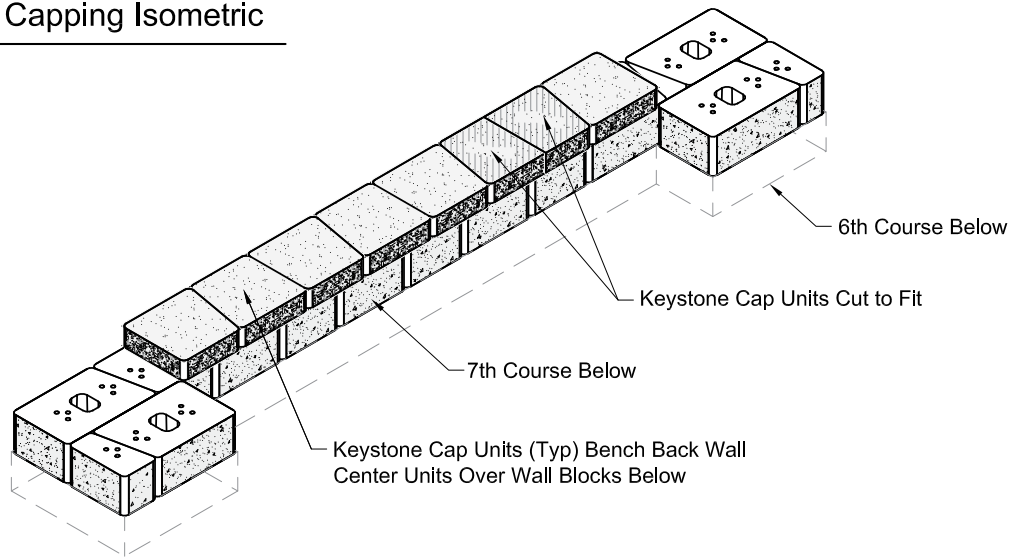
7th Course Isometric



7th Course Plan



7th Course Capping Isometric



Cap Unit Note:

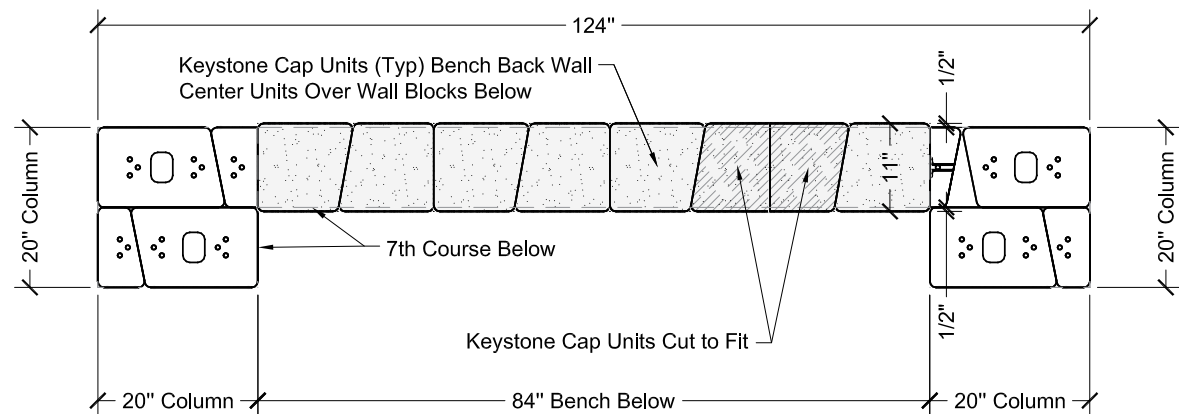
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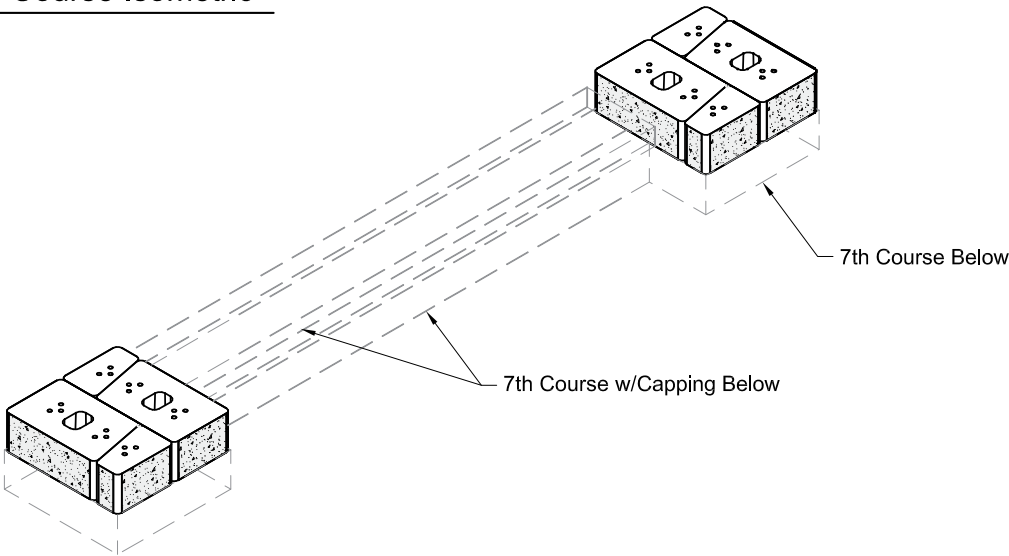
Bench Back Wall Capping Note:

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.

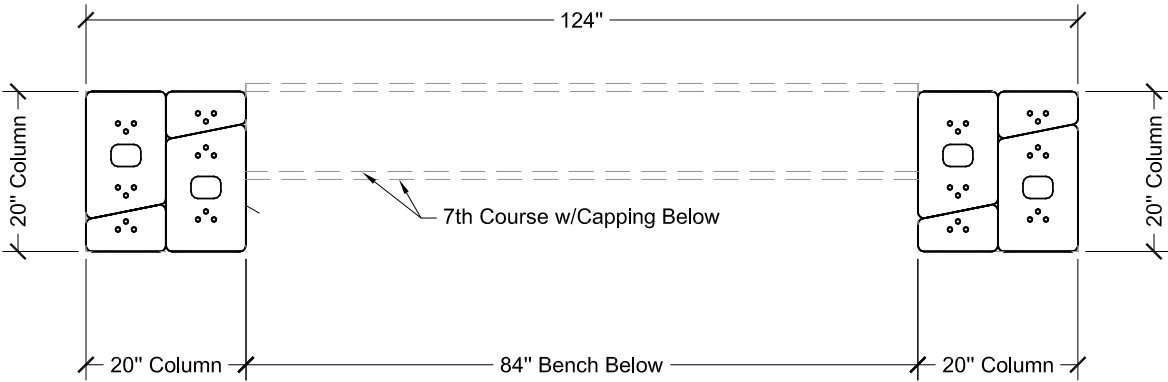
7th Course Capping Plan



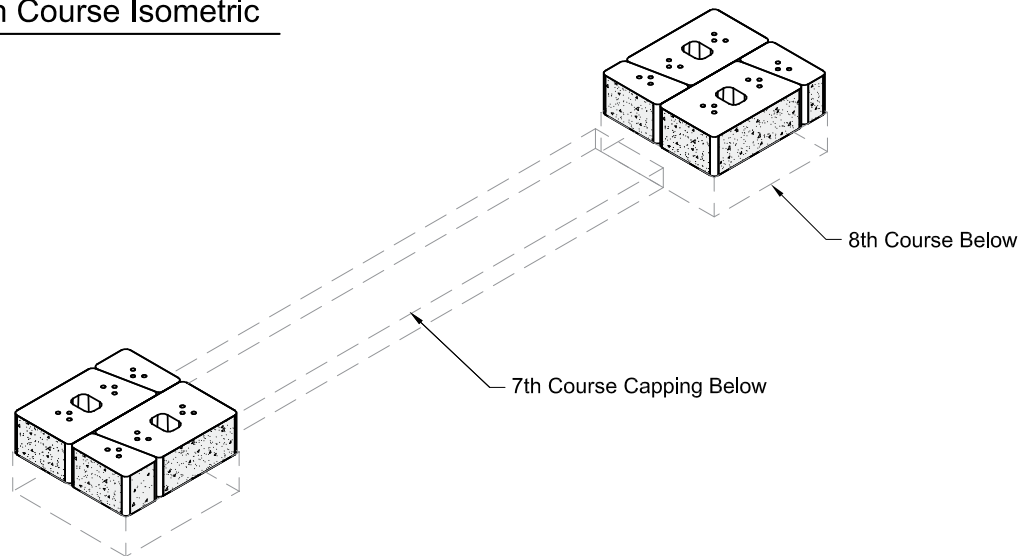
8th Course Isometric



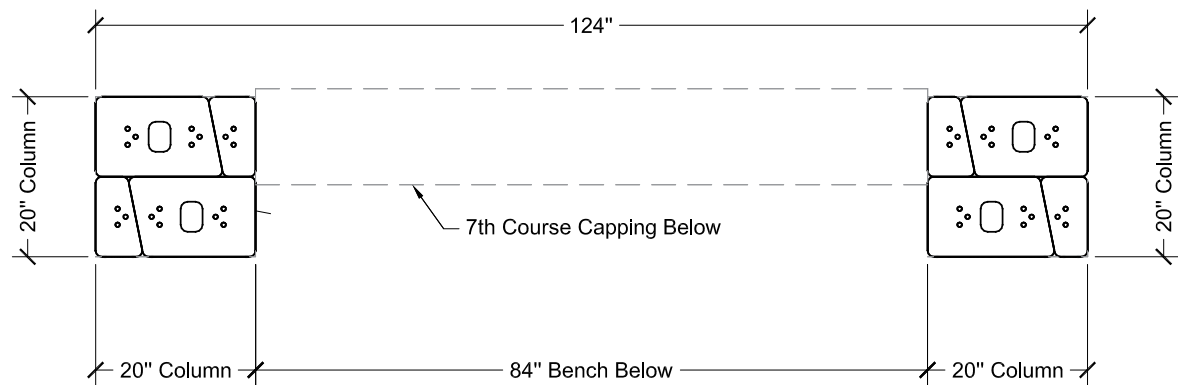
8th Course Plan



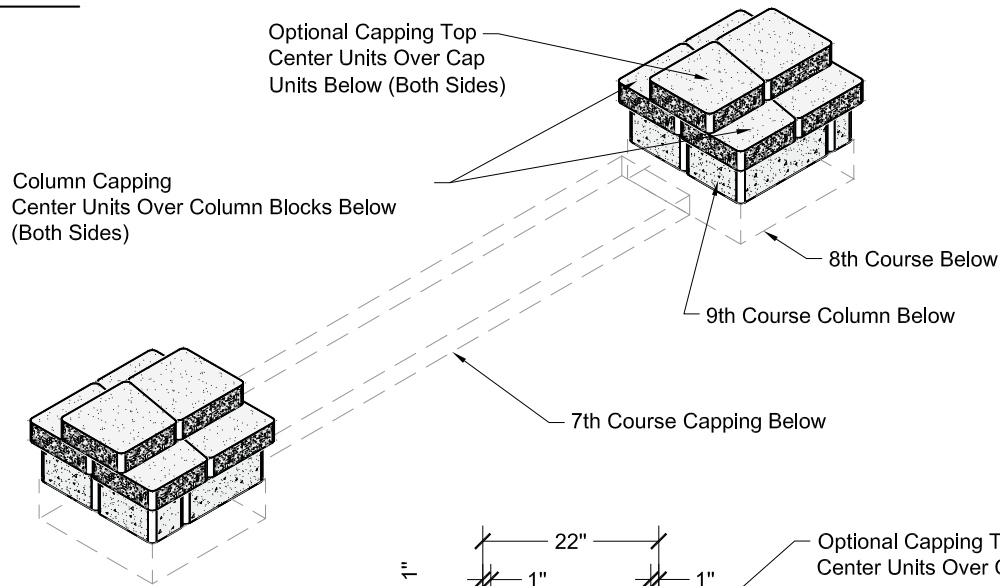
9th Course Isometric



9th Course Plan



9th Course Capping Isometric



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9th Course Capping Plan

