

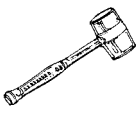
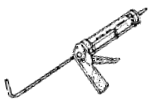
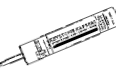
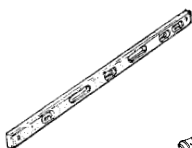
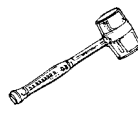
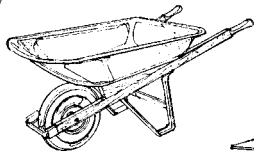
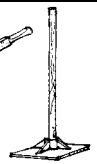


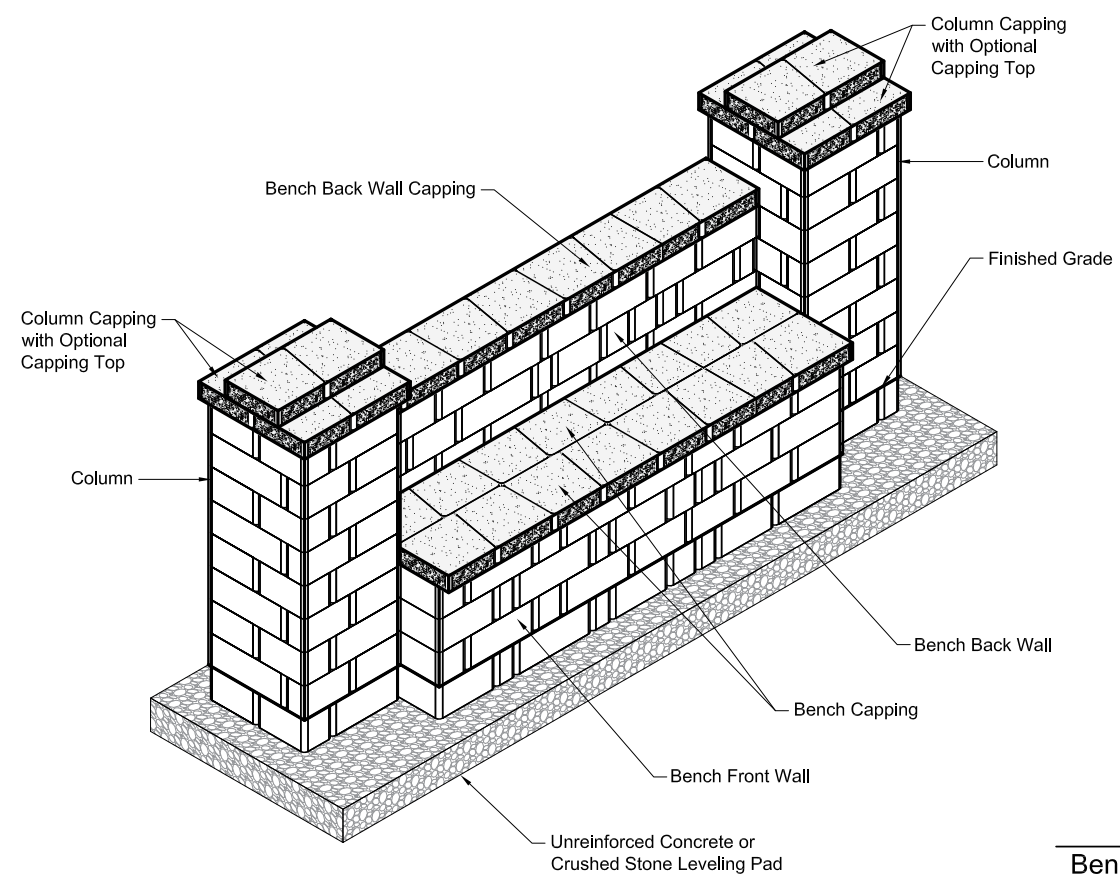
2.1m BENCH WITH COLUMNS INSTALLATION INSTRUCTIONS

KEYSTONE®
Country Manor

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:

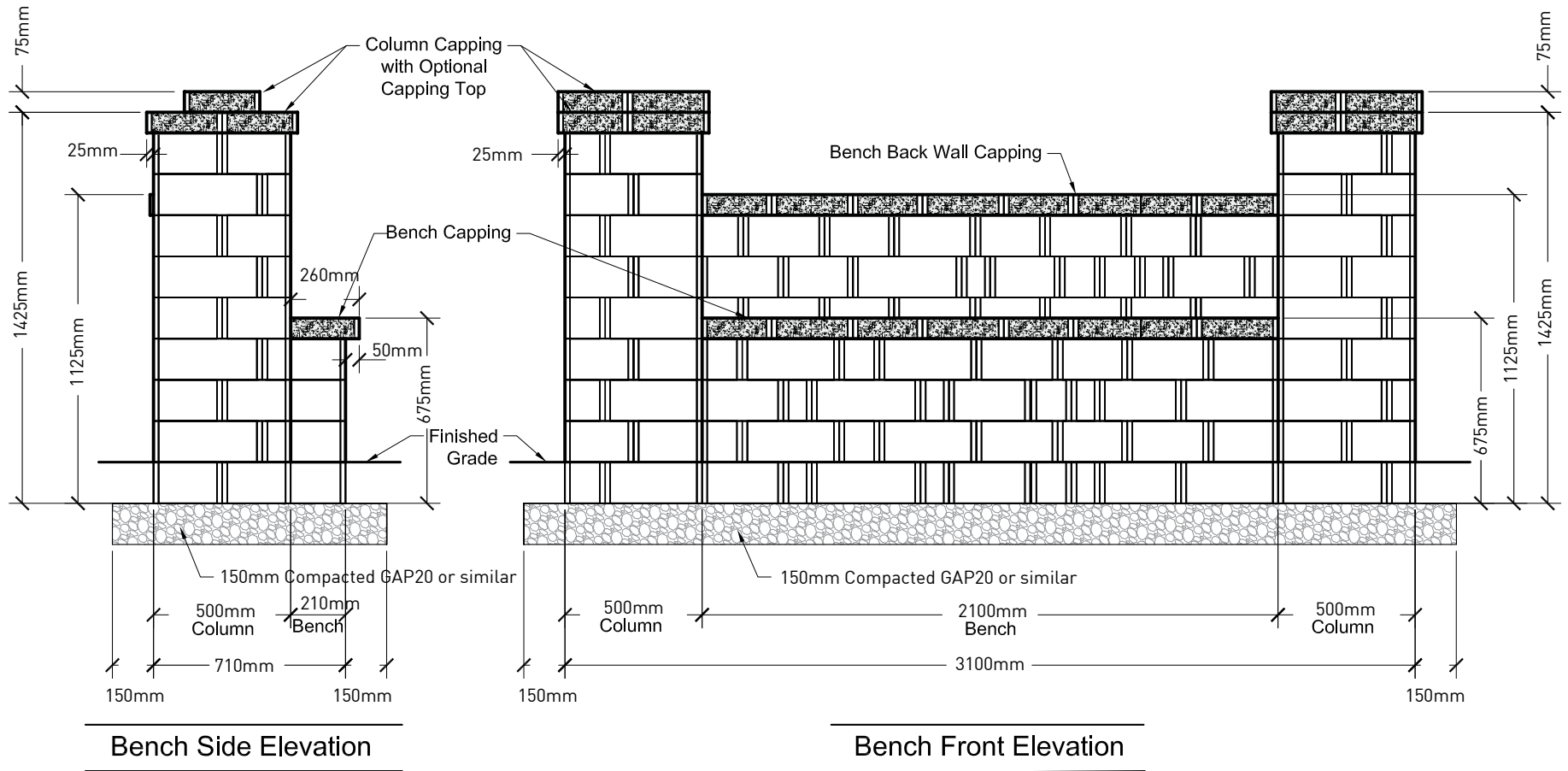
- 51 - Large Country Manor/Stonegate units
- 54 - Medium Country Manor/Stonegate units
- 55 - Small Country Manor/Stonegate units
- 36 - Country Manor/Stonegate Cap units
- Crushed Aggregate - GAP20 or similar and Drainage aggregate
- Keystone Interlocking Shouldered Pins* (approx. 117)
- Exterior Construction Grade Adhesive

Notes:

* Firth 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

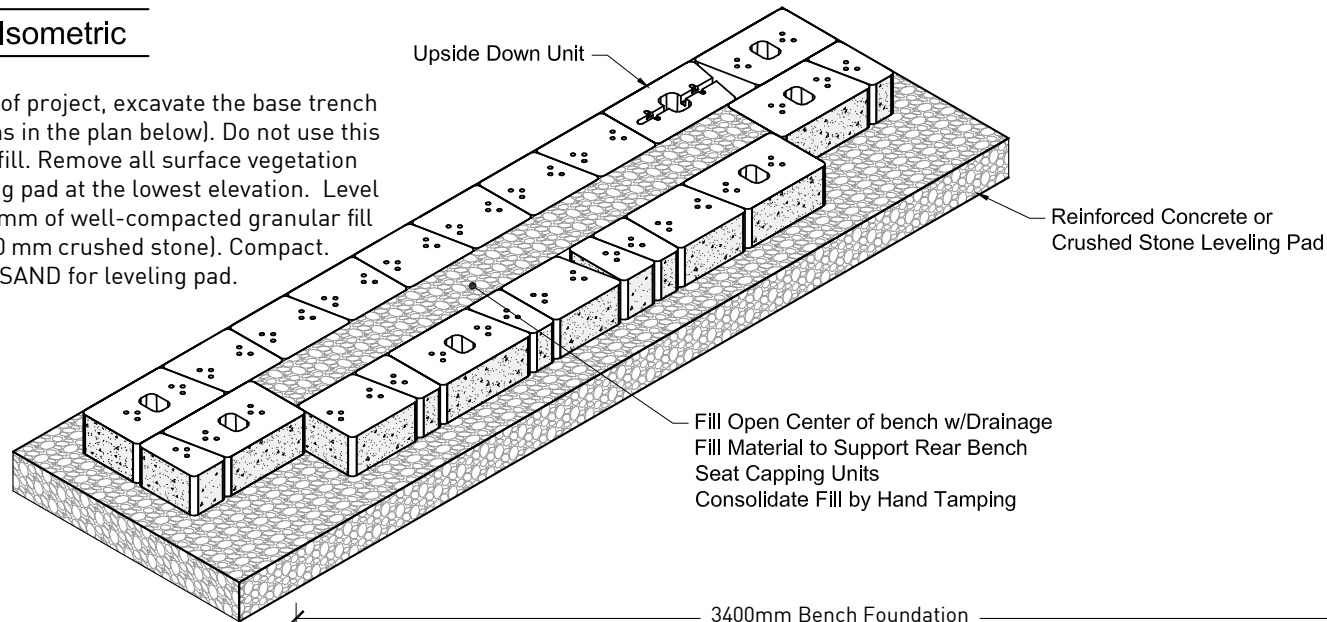
KEYSTONE BUILDING IDEAS • 2.1m BENCH WITH COLUMNS



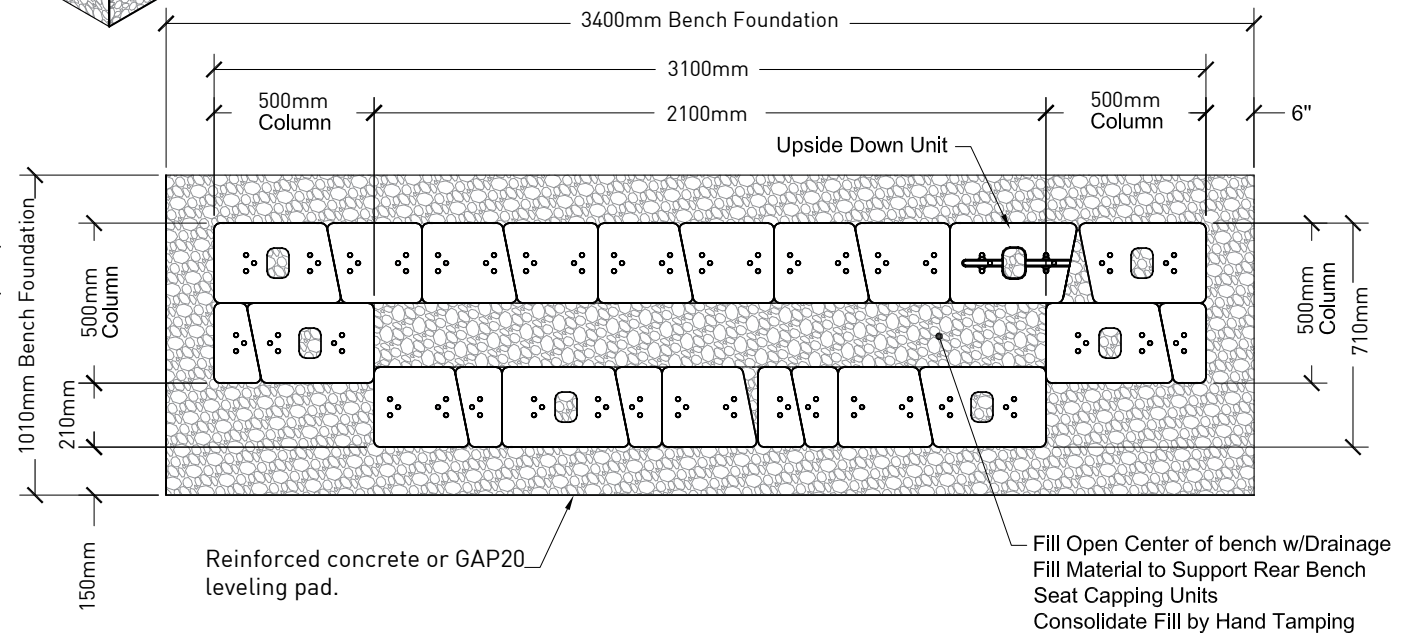
COURSE BY COURSE INSTRUCTIONS

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 150mm of well-compacted granular fill (GAP 20, road base, or 10 - 20 mm crushed stone). Compact. Do not use PEA GRAVEL or SAND for leveling pad.

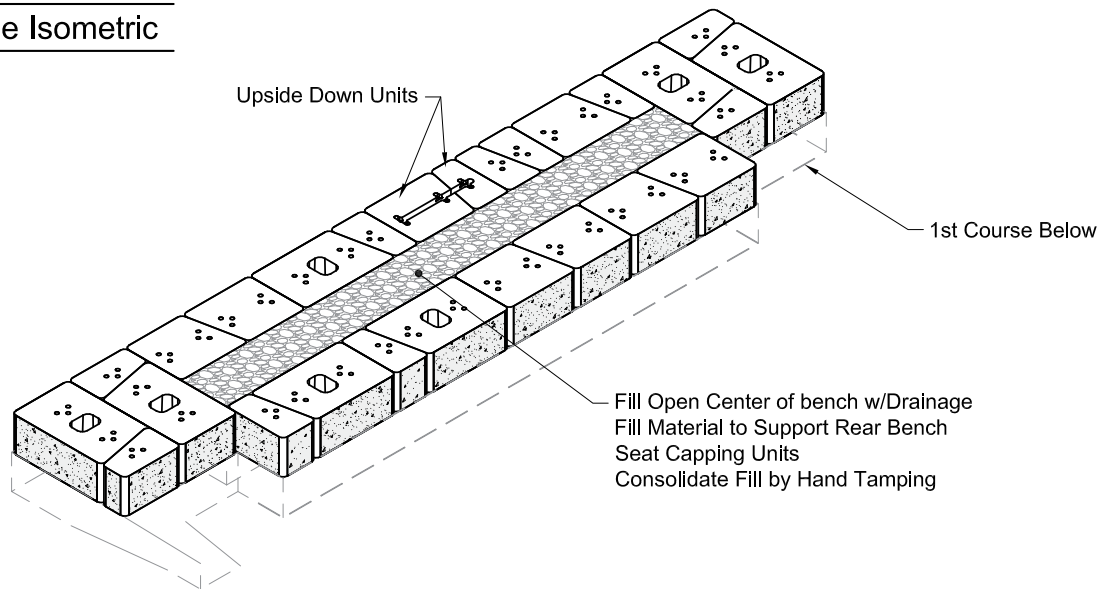


1st Course / Base Plan

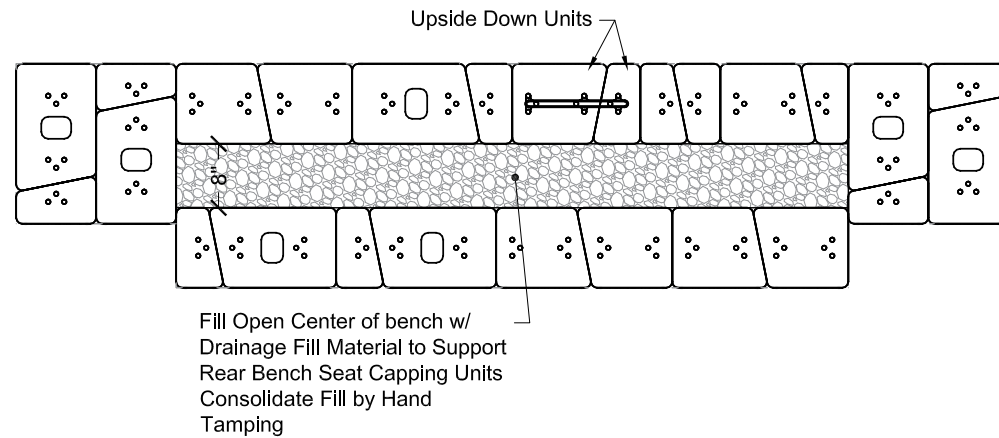


COURSE BY COURSE INSTRUCTIONS

2nd Course Isometric

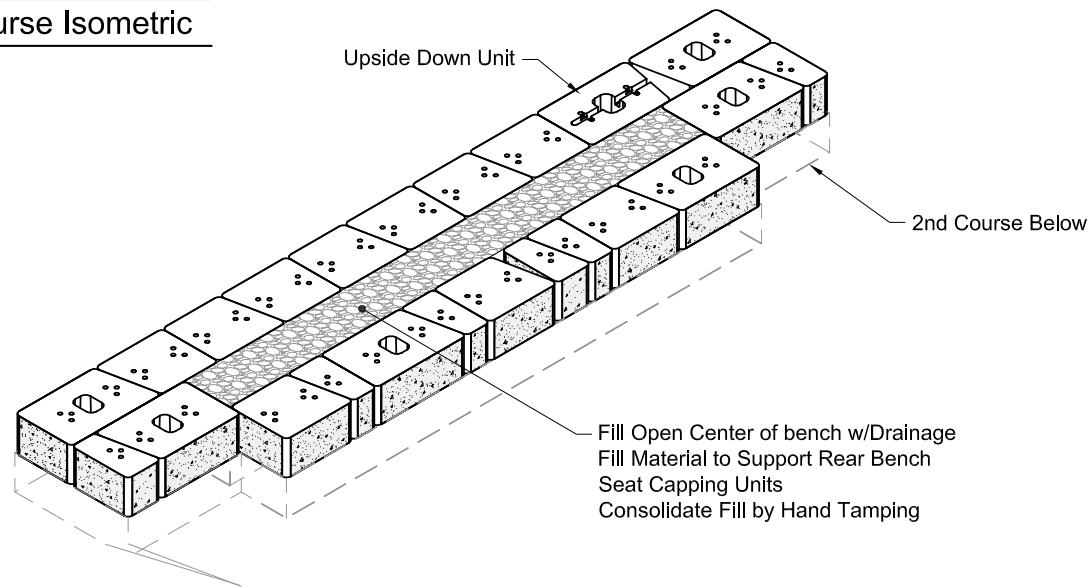


2nd Course Plan

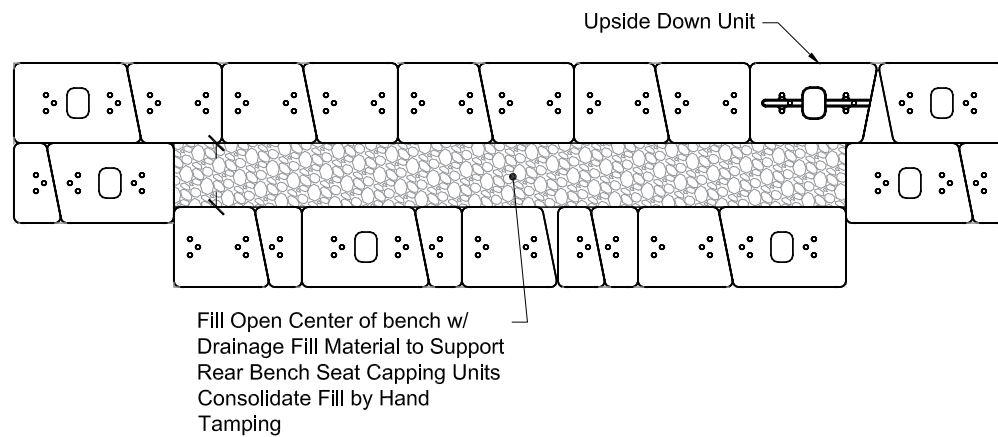


COURSE BY COURSE INSTRUCTIONS

3rd Course Isometric

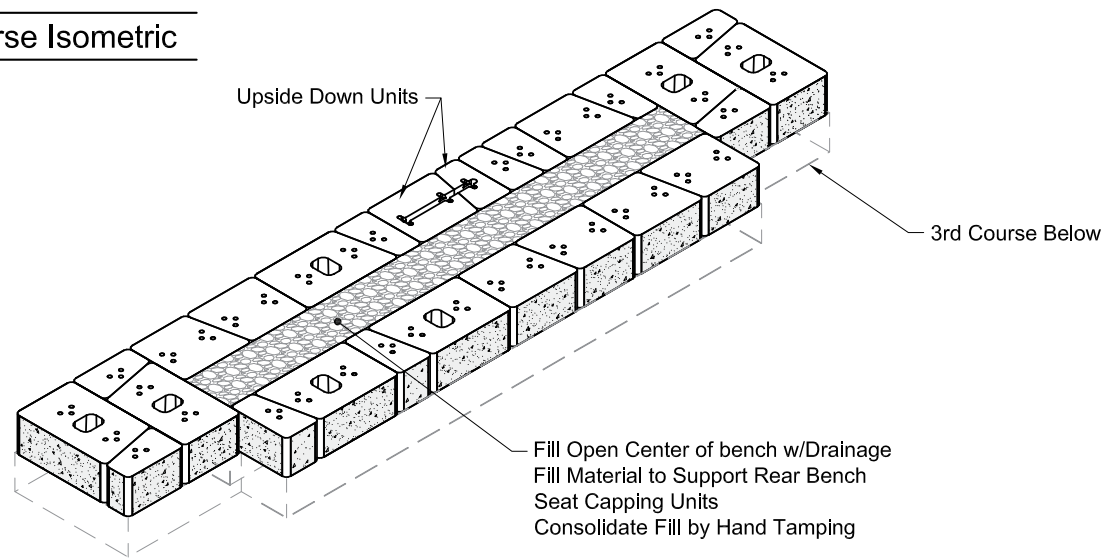


3rd Course Plan

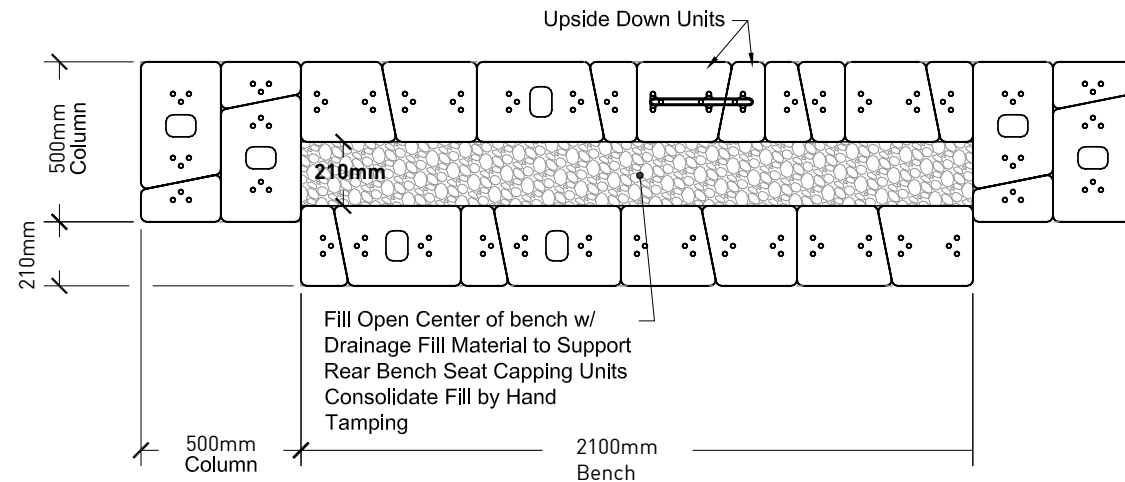


COURSE BY COURSE INSTRUCTIONS

4th Course Isometric

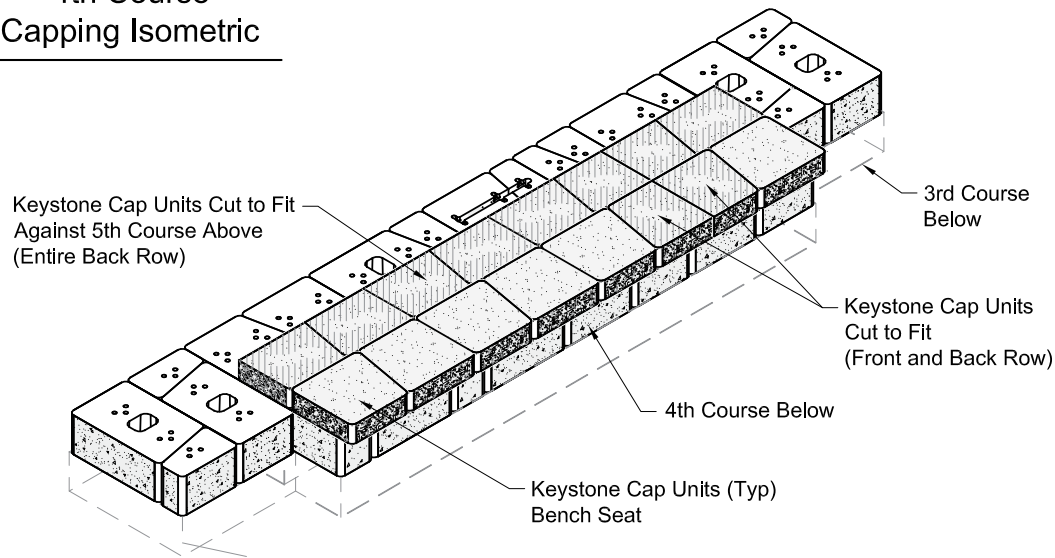


4th Course Plan



COURSE BY COURSE INSTRUCTIONS

4th Course Capping Isometric



Cap Unit Note:

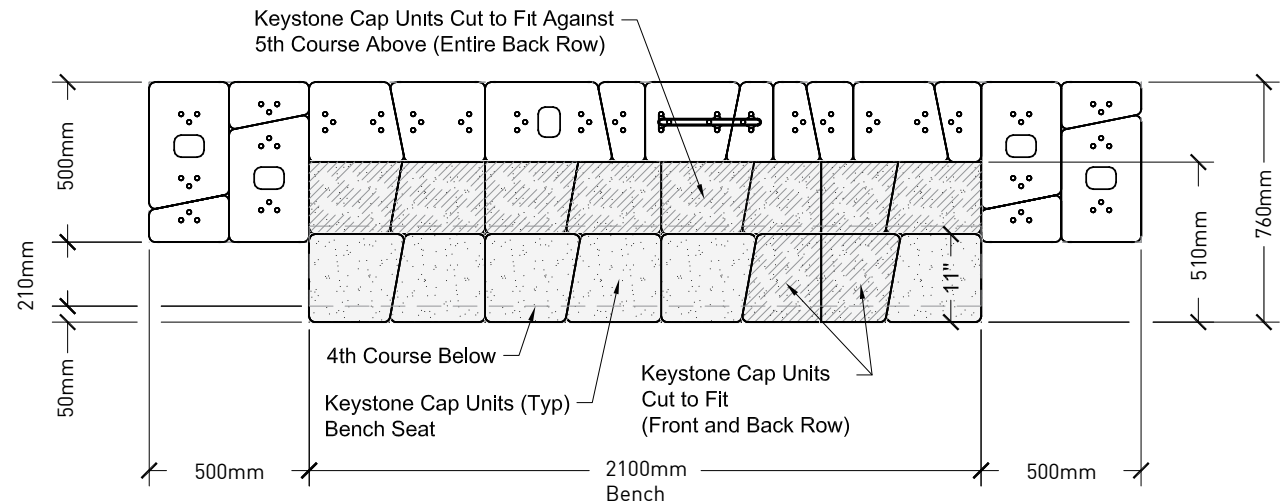
This bench and columns design uses Keystone Cap units. Cap units to be cut or hard split are labeled with angular hatching.

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:

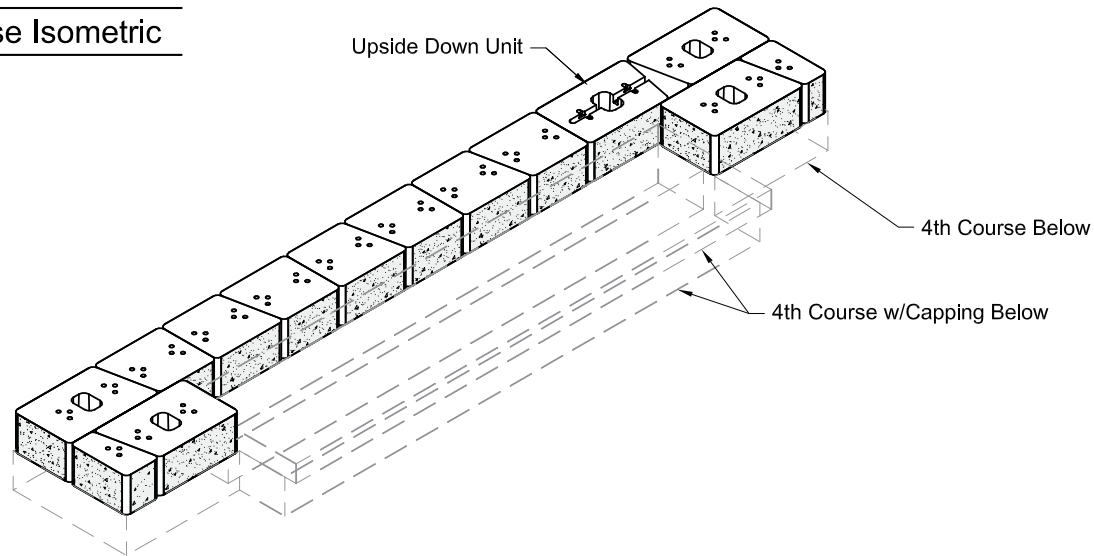
The bench seat capping units may be placed after the 5th course back wall and columns have been installed to better fit the rear capping units that need to be cut to meet the 5th course back wall and column faces.

4th Course Capping Plan

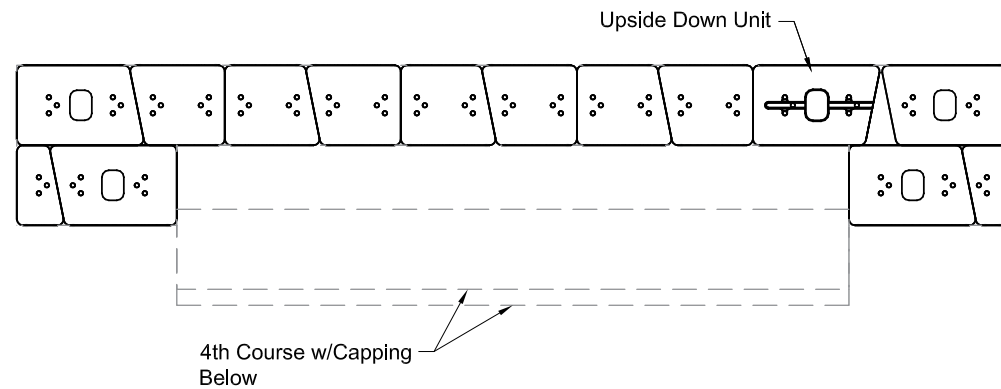


COURSE BY COURSE INSTRUCTIONS

5th Course Isometric

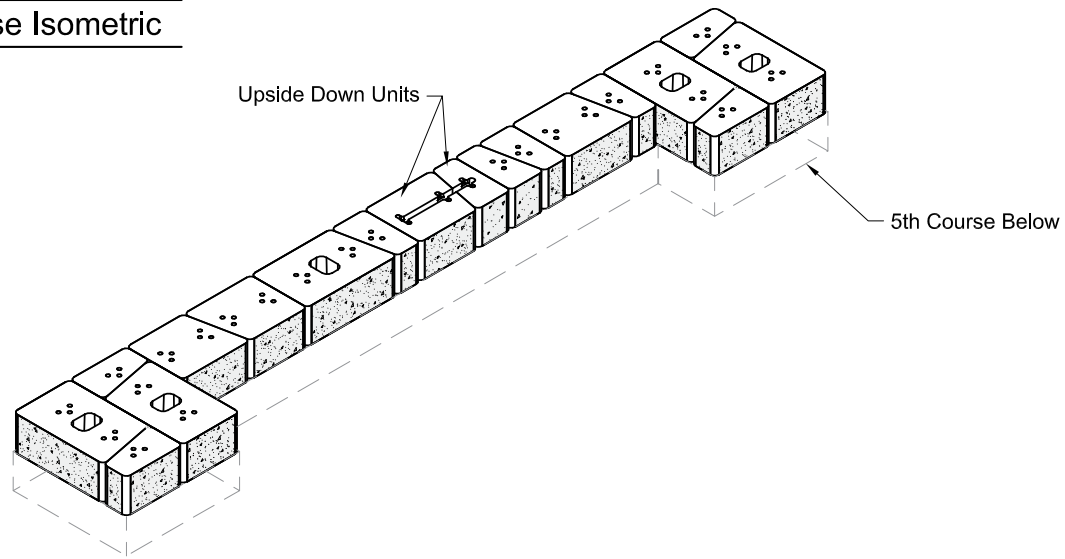


5th Course Plan

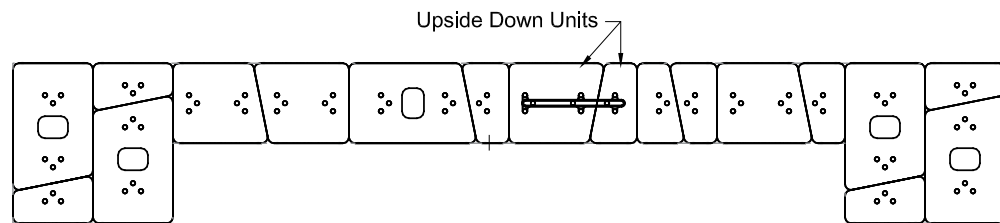


COURSE BY COURSE INSTRUCTIONS

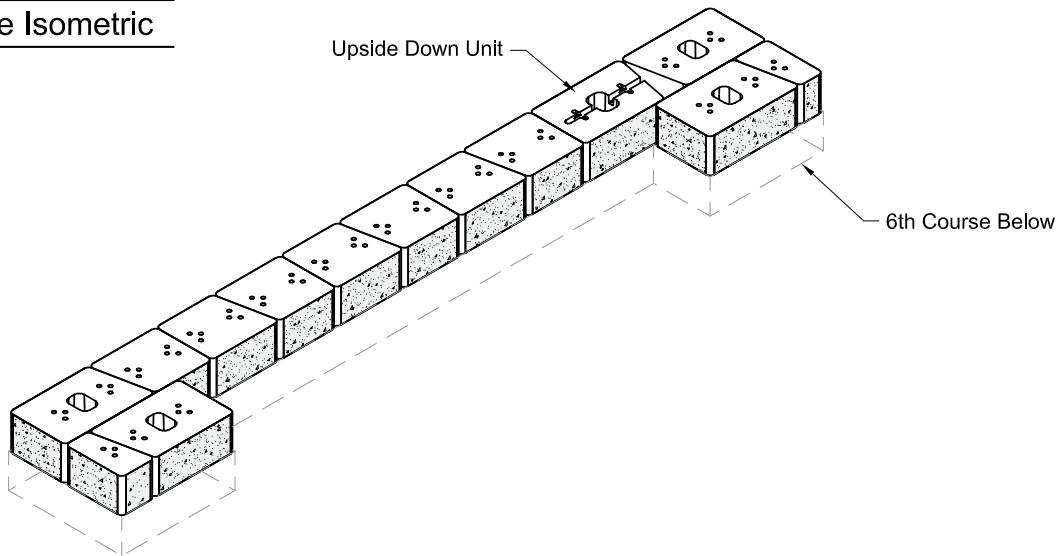
6th Course Isometric



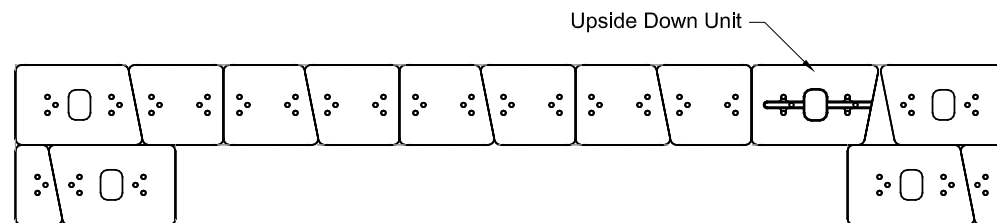
6th Course Plan



7th Course Isometric

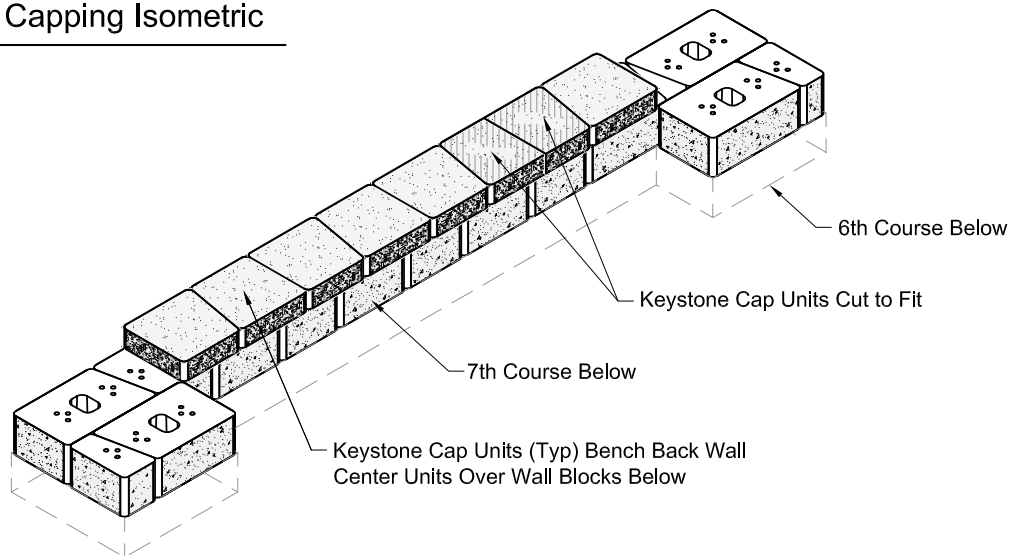


7th Course Plan



COURSE BY COURSE INSTRUCTIONS

7th Course Capping Isometric



Cap Unit Note:

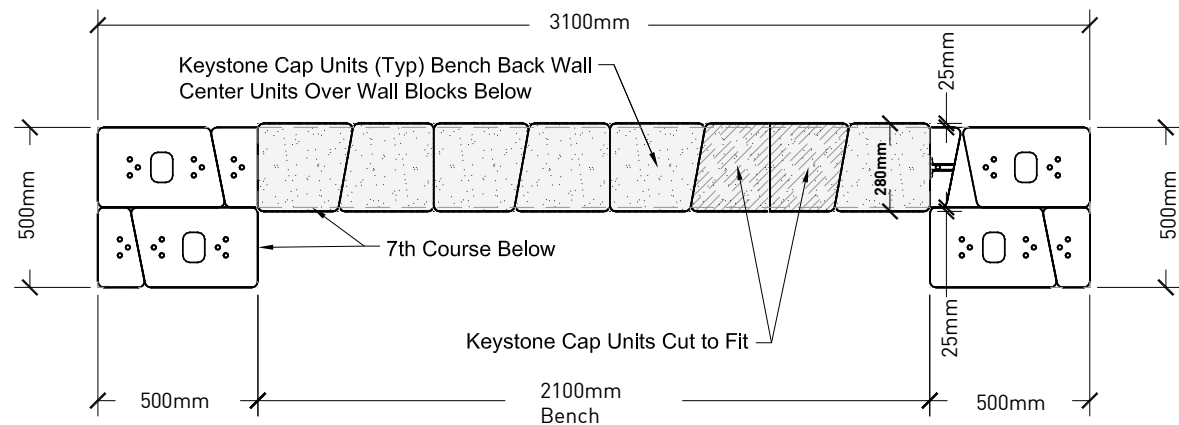
This bench and columns design uses Keystone Cap units. Cap units to be cut or hard split are labeled with angular hatching.

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.

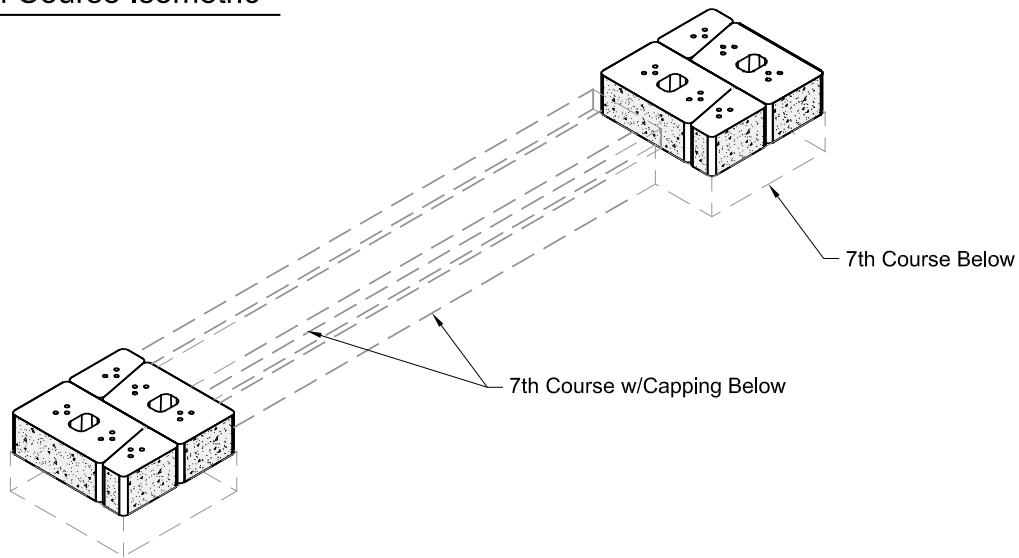
Bench Back Wall Capping Note:

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.

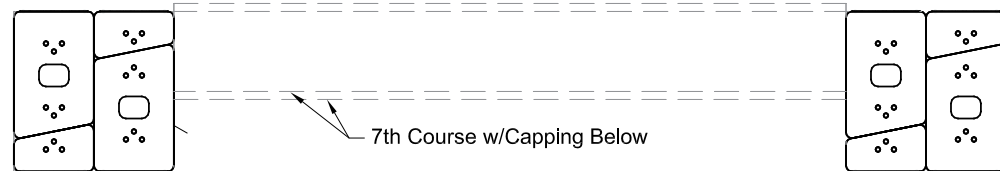
7th Course Capping Plan



8th Course Isometric

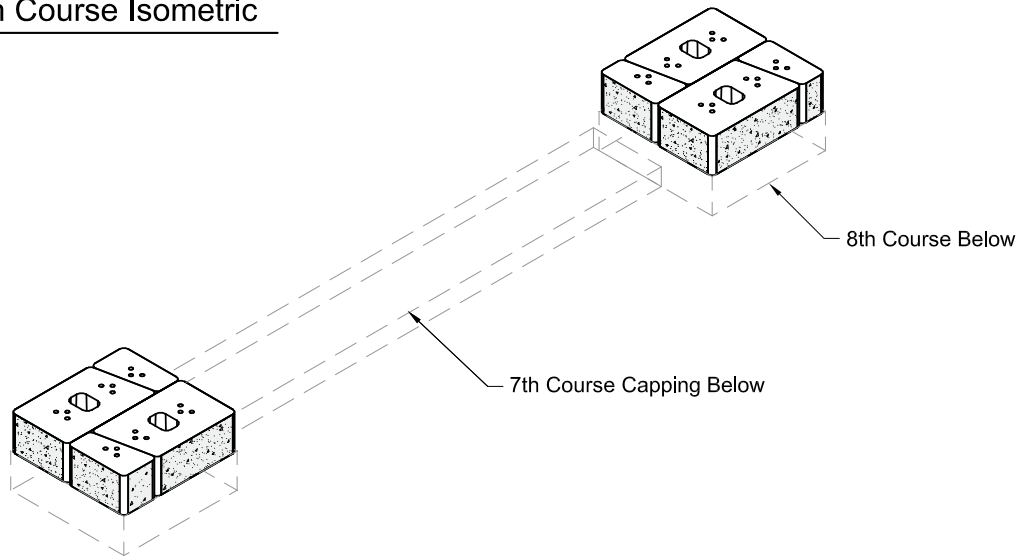


8th Course Plan



COURSE BY COURSE INSTRUCTIONS

9th Course Isometric

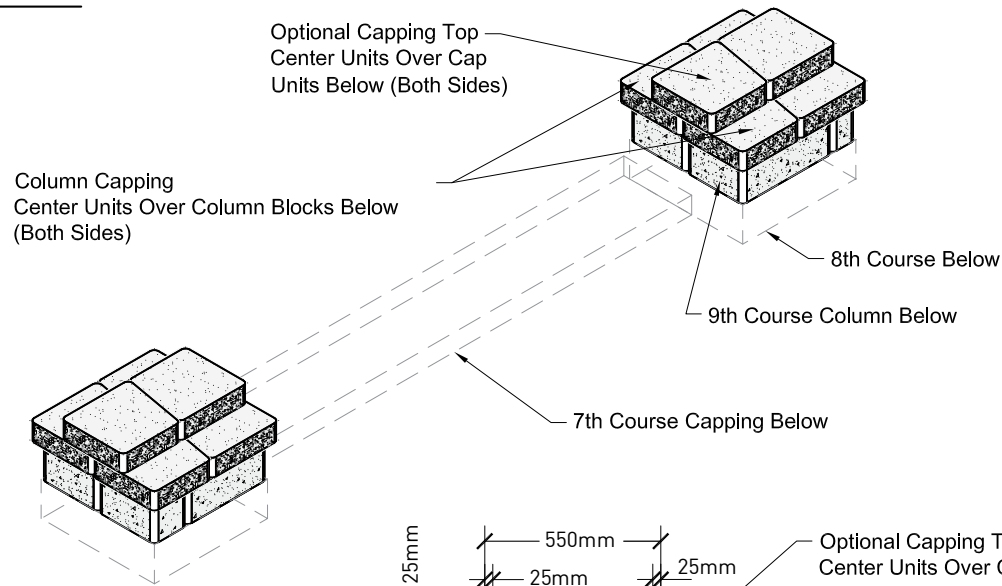


9th Course Plan



COURSE BY COURSE INSTRUCTIONS

9th Course Capping Isometric

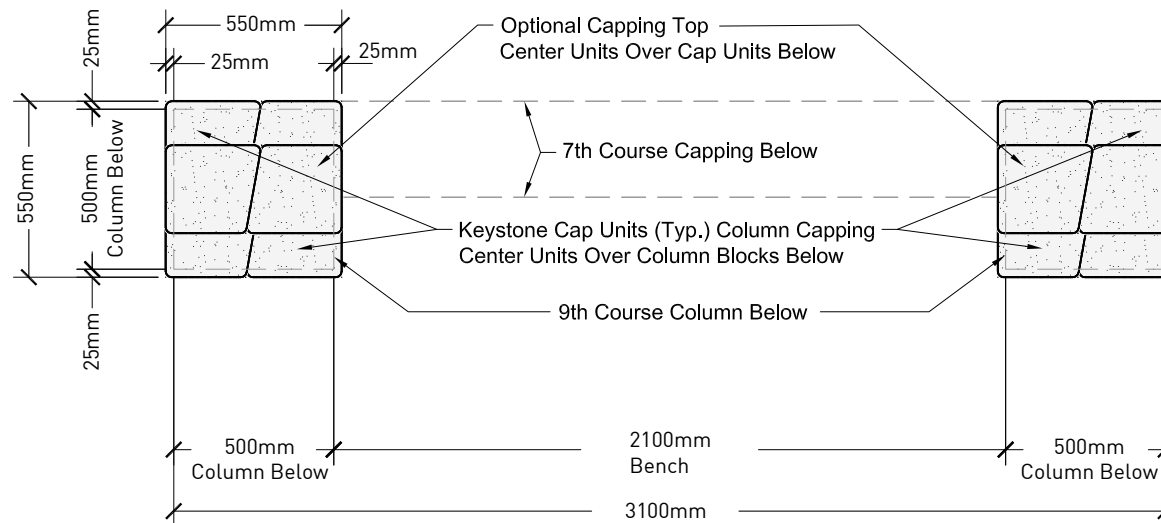


Cap Unit Note:

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.

9th Course Capping Plan



Don't forget to check out all of our Firth Keystone Outdoor Living designs on www.firth.co.nz



Outdoor Kitchen Designs



Fireplaces



Columns



Fire Pits



Water Feature



Outdoor Table



PLEASE NOTE: Colour Blends shown are indicative only or not available in the New Zealand market due to use of different aggregates. Viewing a sample before purchasing is highly recommended. Similar to features of real stone, concrete masonry will have natural variations in colours and characteristics. So when choosing Firth masonry, please expect colour hue variations and regional differences due to locally sourced raw materials. It's all part of the natural beauty of our masonry products!



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