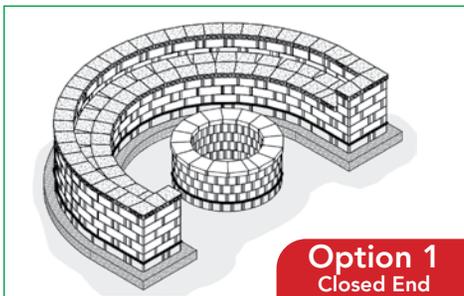
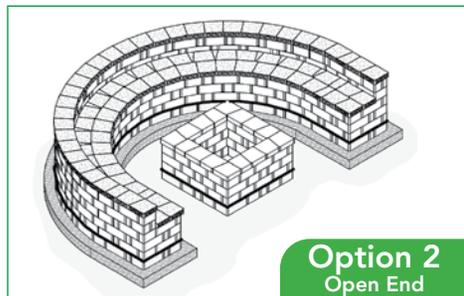




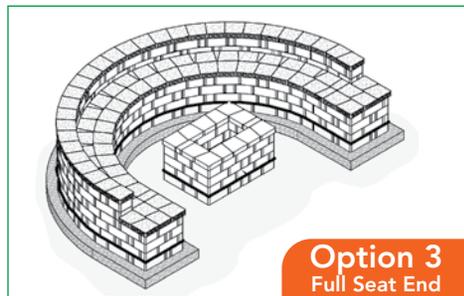
Option 2 - Open End Shown Above



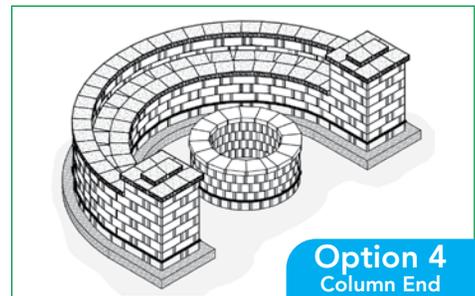
Option 1
Closed End



Option 2
Open End



Option 3
Full Seat End



Option 4
Column End

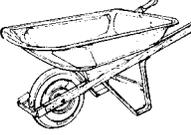
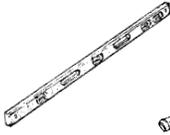


CURVED BENCH DESIGNS INSTALLATION INSTRUCTIONS



KEYSTONE OUTDOOR LIVING • CURVED BENCH DESIGNS

BASIC TOOLS

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

INDEX

Materials List 3

Common Courses

Foundation and Courses 1 through 4 4-8

Option 1 Closed End Design

Closed End Option Isometric 9

Courses 4 (capping) through 6 10-13

Elevation Views 14

Option 2 Open End Design

Open End Option Isometric 15

Courses 4 (capping) through 6 16-19

Elevation Views 20

Option 3 Full Seat End Design

Full Seat End Option Isometric 21

Courses 4 (capping) through 6 22-25

Elevation Views 26

Option 4 Column End Design

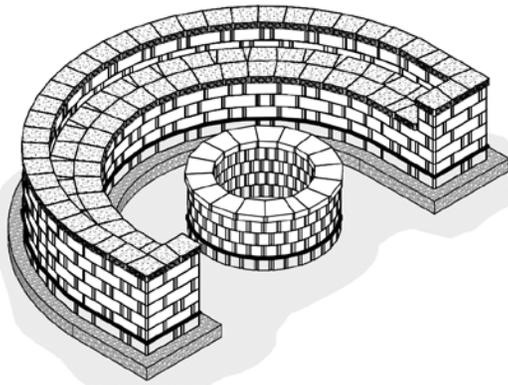
Column End Option Isometric 27

Courses 4 (capping) through 8 28-34

Elevation Views 35

KEYSTONE OUTDOOR LIVING • CURVED BENCH DESIGNS

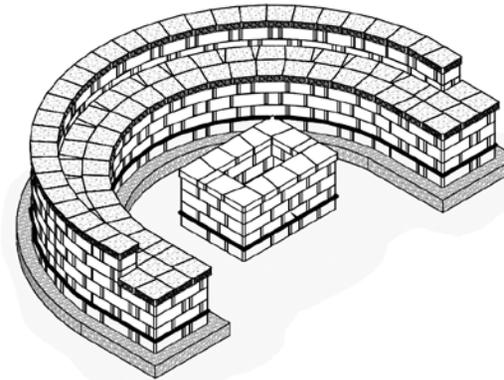
Option 1 Closed End Design



You will need:

- 106 - 16"/14"w Large units
- 93 - 12"/10"w Medium units
- 171 - 6"/4"w Small units
- 94 - 12"/10"w Cap units
- Bench Pad Material - 47.6 cf
- Bench Infill Material - 38.4 cf
- Keystone Interlocking Pins*
- Exterior Construction Grade Adhesive*
- Fire pit quantities not included

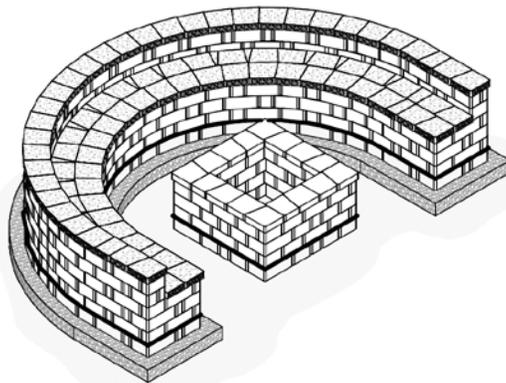
Option 3 Full Seat End Design



You will need:

- 98 - 16"/14"w Large units
- 93 - 12"/10"w Medium units
- 163 - 6"/4"w Small units
- 94 - 12"/10"w Cap units
- Bench Pad Material - 47.6 cf
- Bench Infill Material - 38.4 cf
- Keystone Interlocking Pins*
- Exterior Construction Grade Adhesive*
- Fire pit quantities not included

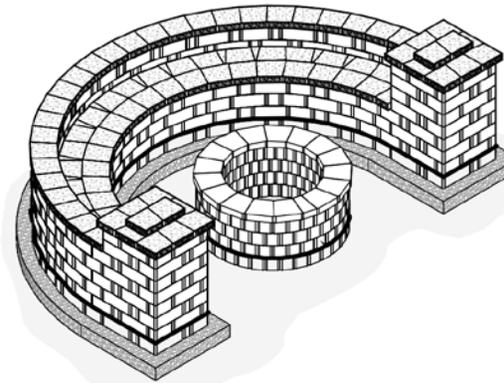
Option 2 Open End Design



You will need:

- 101 - 16"/14"w Large units
- 93 - 12"/10"w Medium units
- 170 - 6"/4"w Small units
- 94 - 12"/10"w Cap units
- Bench Pad Material - 47.6 cf
- Bench Infill Material - 38.4 cf
- Keystone Interlocking Pins*
- Exterior Construction Grade Adhesive*
- Fire pit quantities not included

Option 4 Column End Design



You will need:

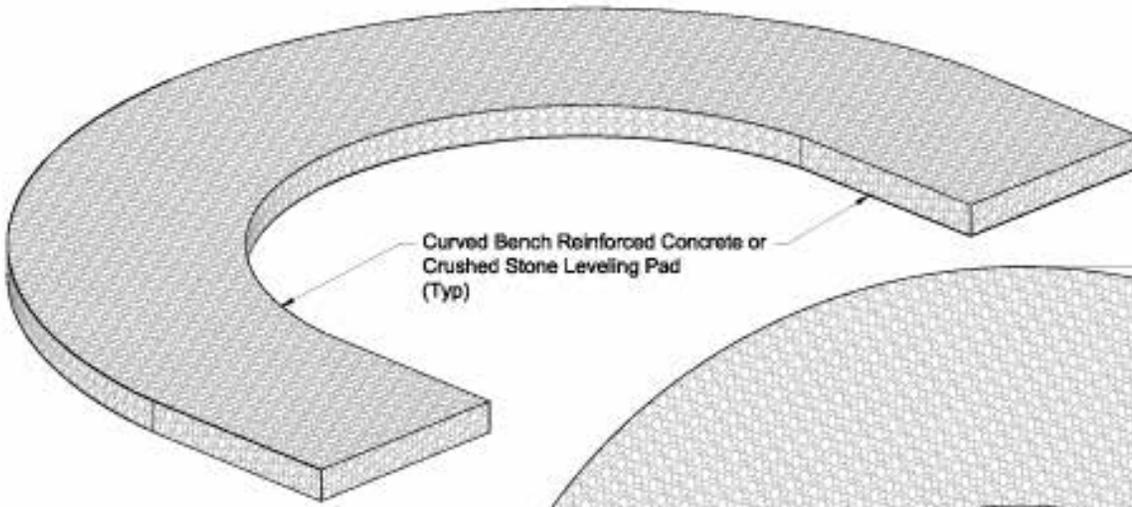
- 128 - 16"/14"w Large units
- 93 - 12"/10"w Medium units
- 193 - 6"/4"w Small units
- 100 - 12"/10"w Cap units
- Bench/Column Pad Material - 47.6 cf
- Bench Infill Material - 35.6 cf
- Column Infill Material - 5.6 cf
- Keystone Interlocking Pins*
- Exterior Construction Grade Adhesive*
- Fire pit quantities not included

Notes:

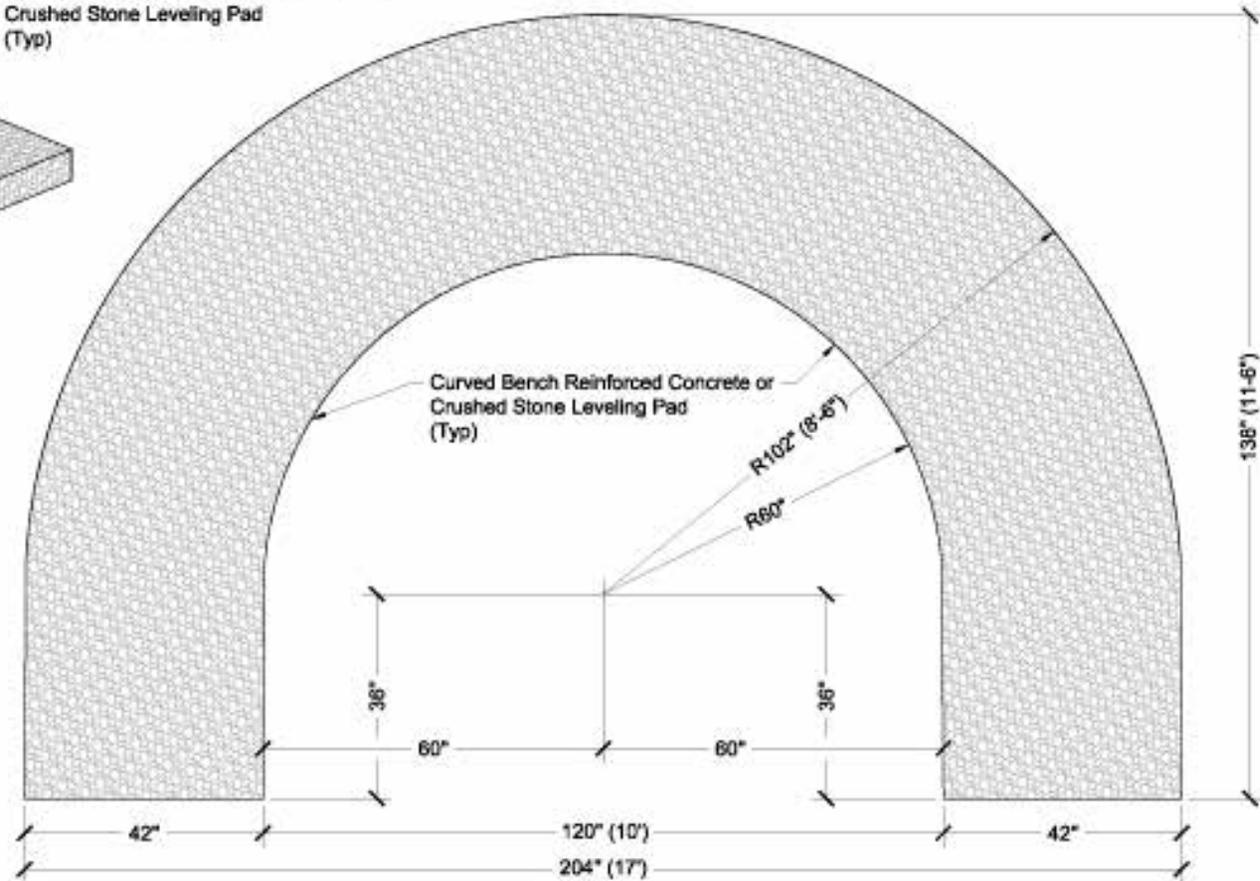
- All Keystone Stonegate units are 6"h x 10"d. *Keystone Cap units are 3"h x 11"d

* 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.

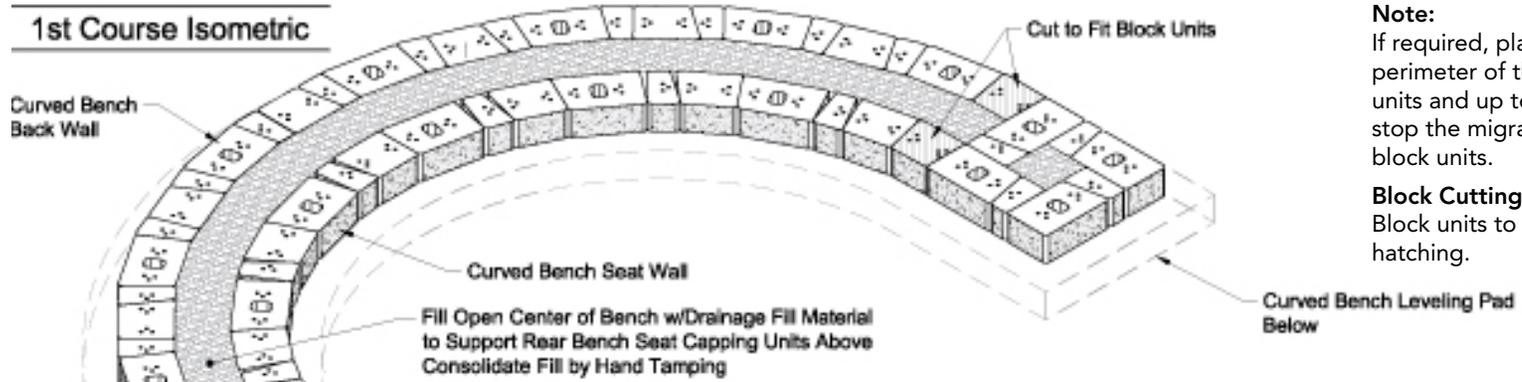
Foundation Isometric



Foundation Plan



1st Course Isometric



Note:

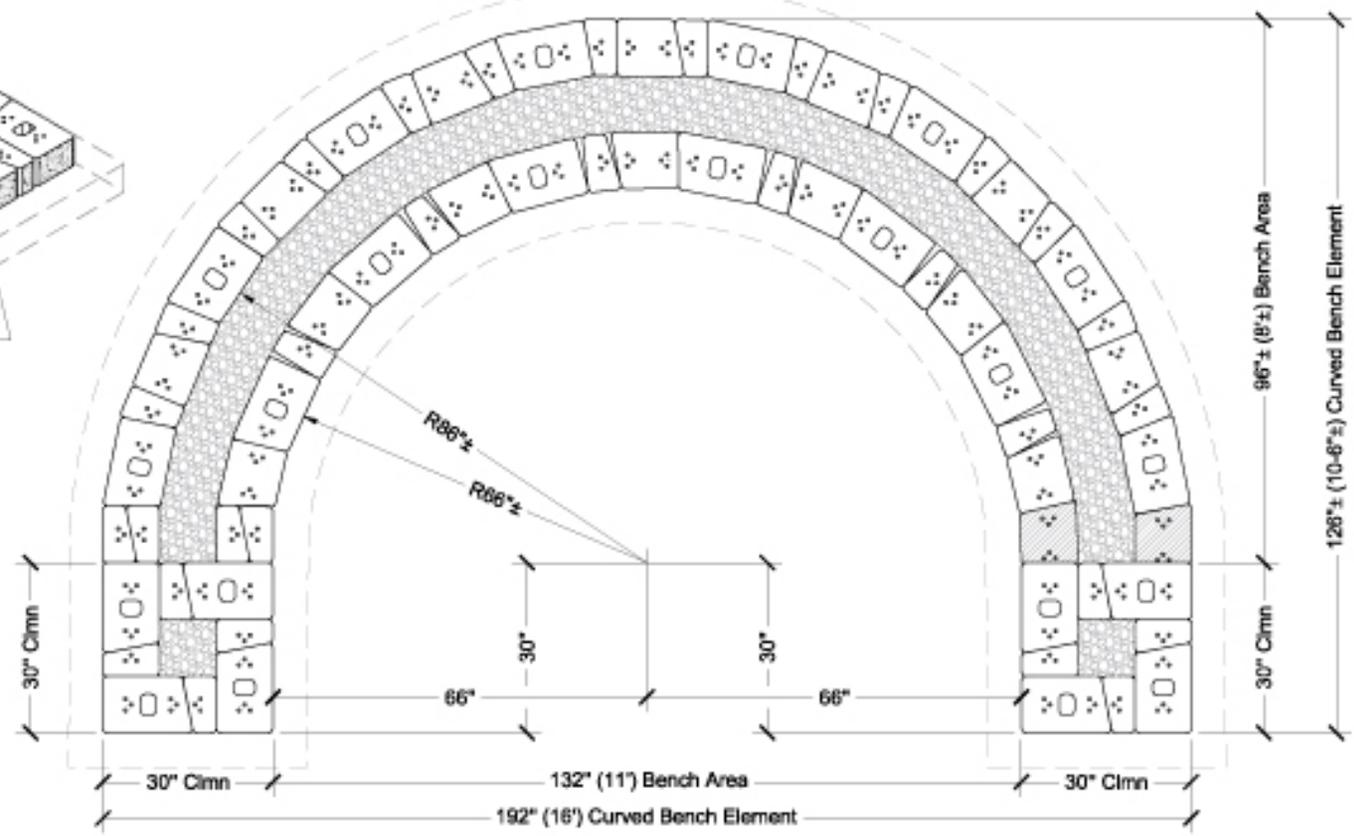
If required, place geotextile fabric around the perimeter of the inside open area against the block units and up to the 4th course capping course to stop the migration of the fill material between the block units.

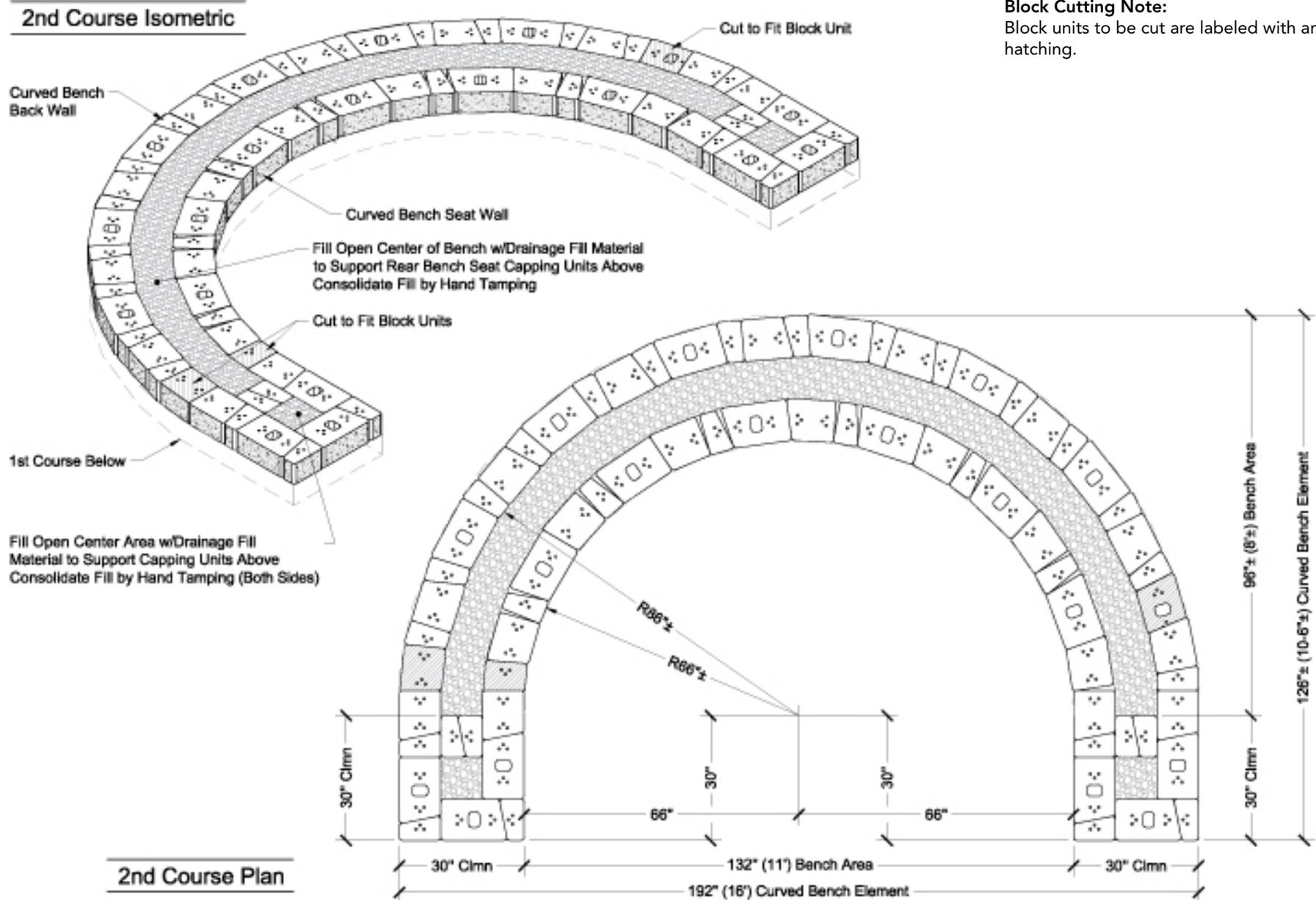
Block Cutting Note:

Block units to be cut are labeled with angular hatching.

Fill Open Center Area w/Drainage Fill Material to Support Capping Units Above Consolidate Fill by Hand Tamping (Both Sides)

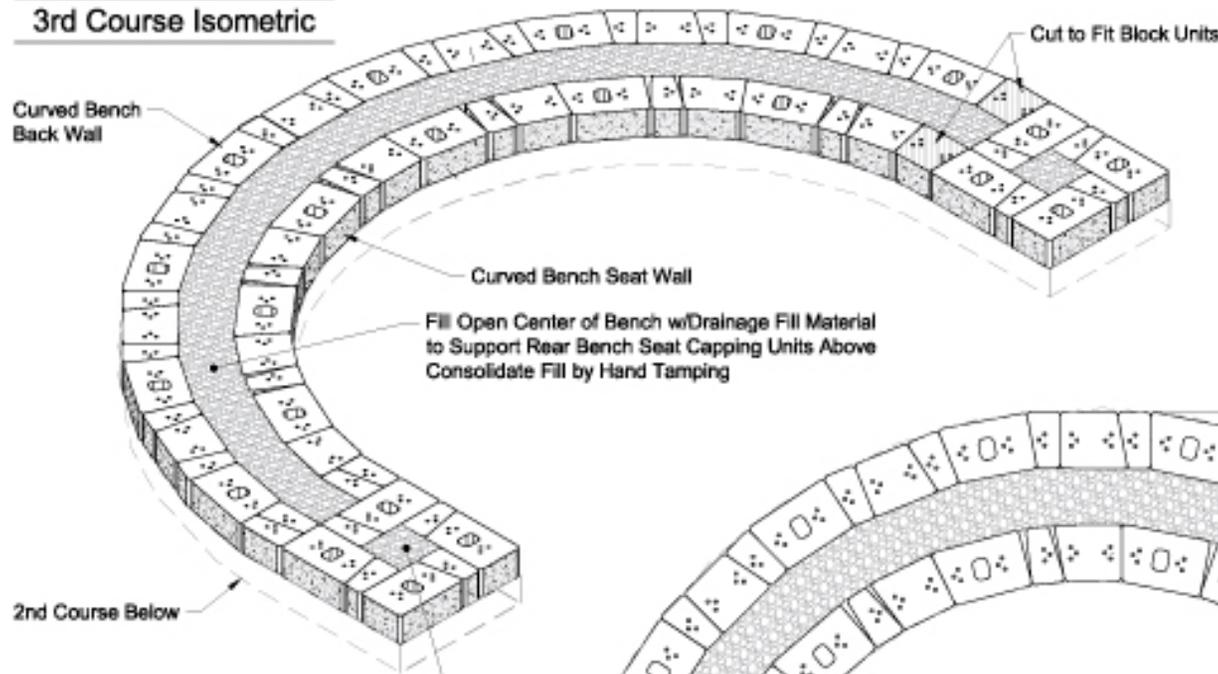
1st Course Plan





Block Cutting Note:
Block units to be cut are labeled with angular hatching.

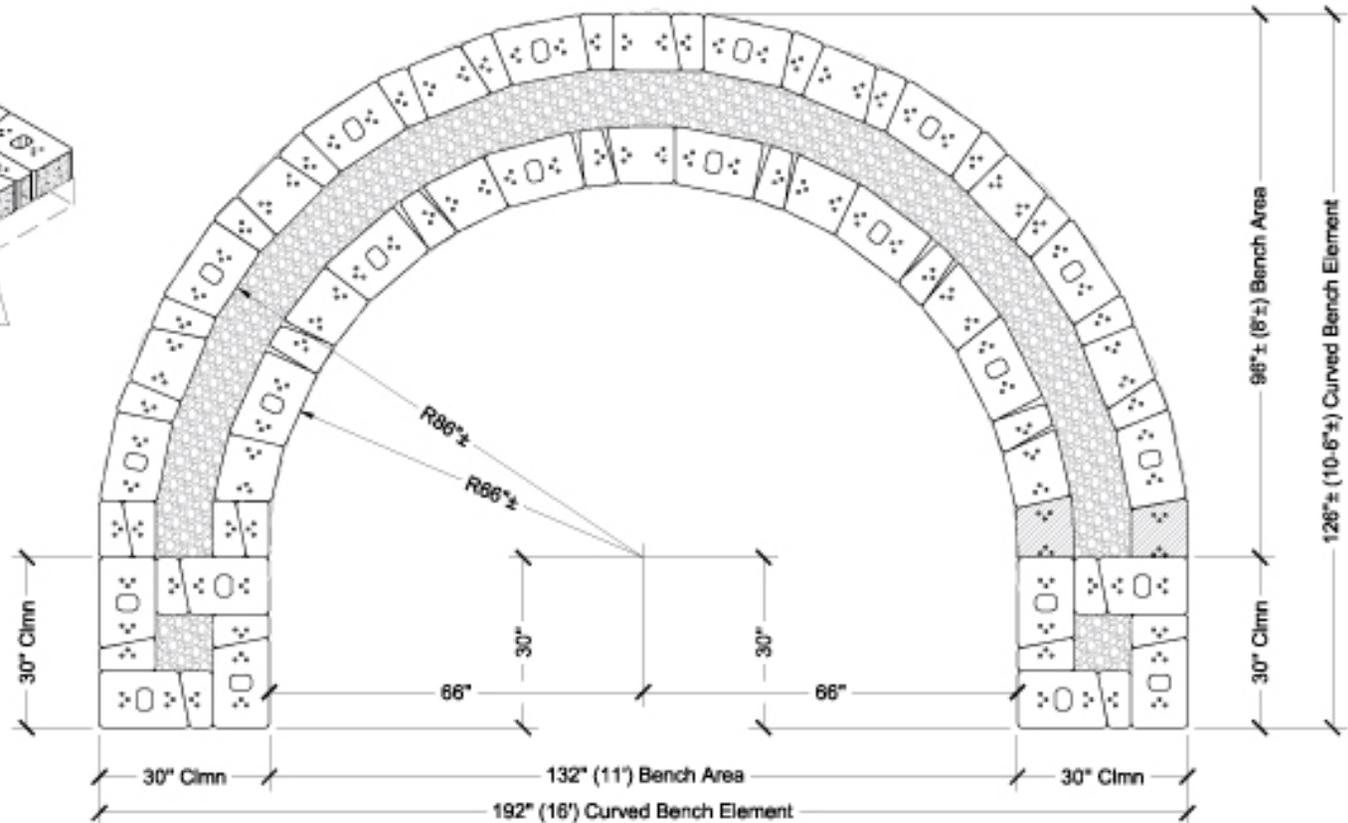
3rd Course Isometric



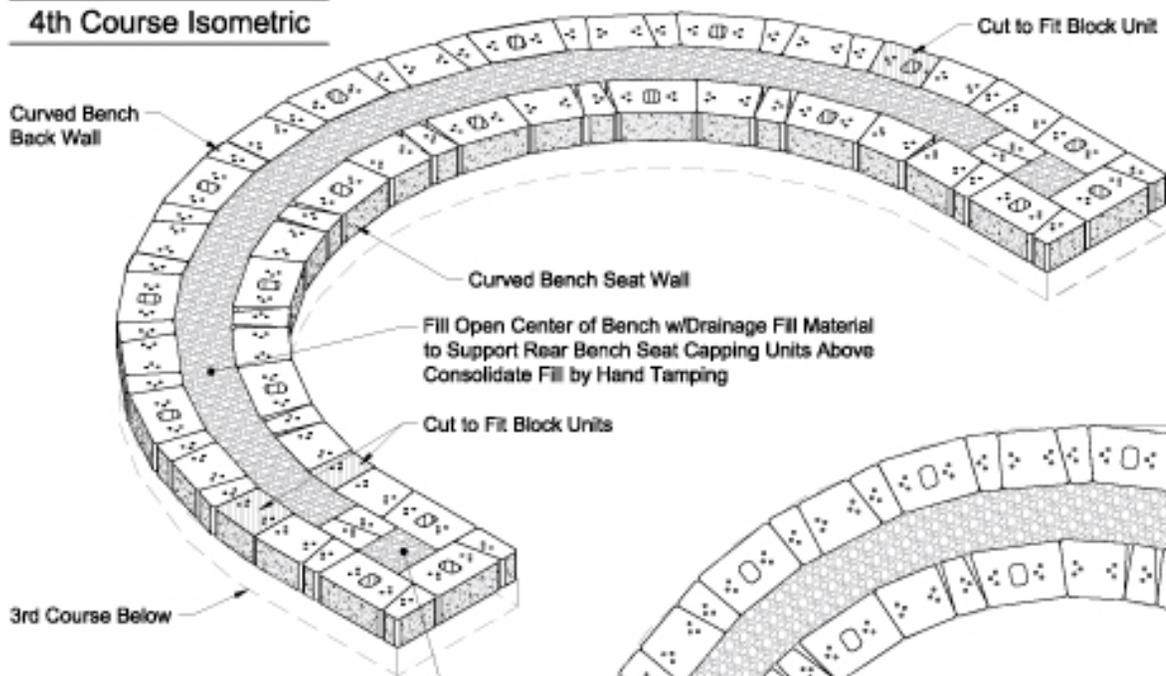
Block Cutting Note:
Block units to be cut are labeled with angular hatching.

Fill Open Center Area w/Drainage Fill Material to Support Capping Units Above Consolidate Fill by Hand Tamping (Both Sides)

3rd Course Plan



4th Course Isometric

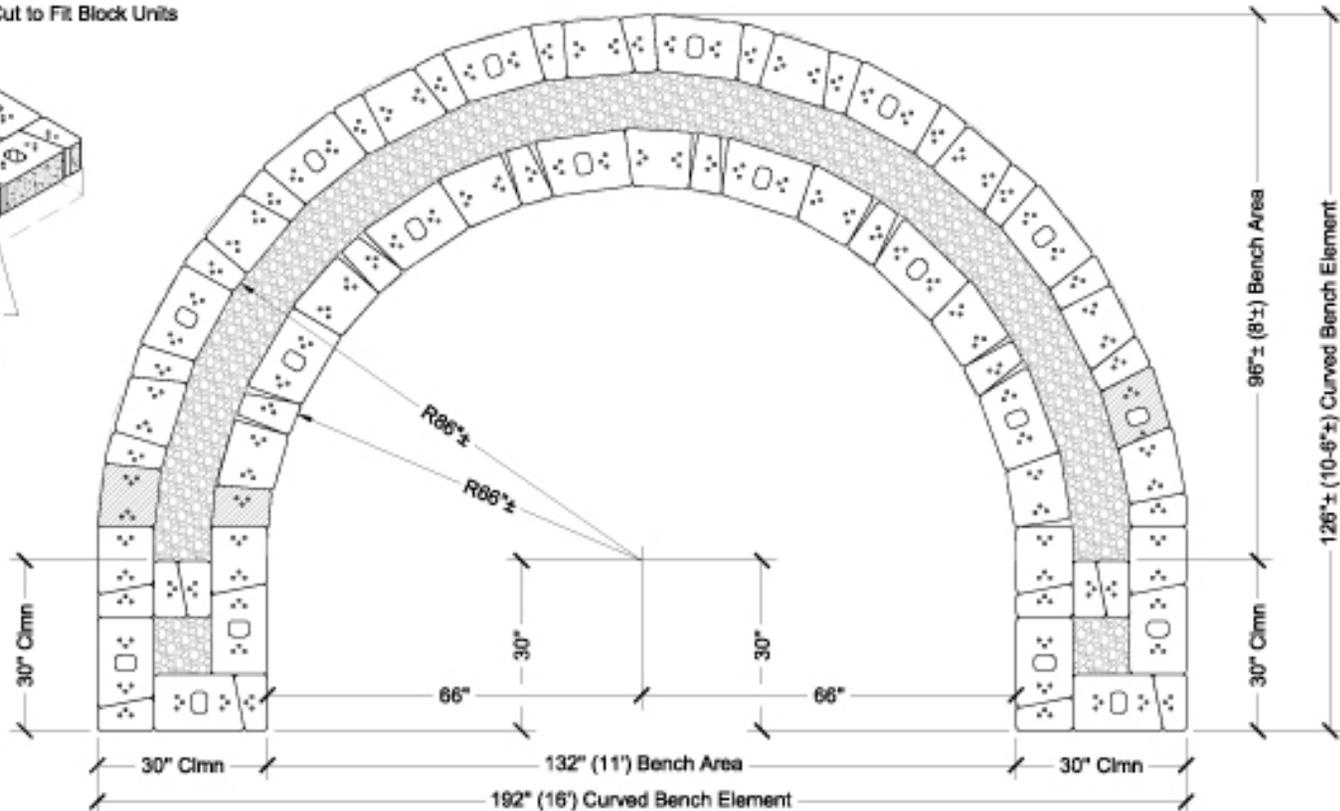


Fill Open Center Area w/Drainage Fill Material to Support Capping Units Above Consolidate Fill by Hand Tamping (Both Sides)

Block Cutting Note:

Block units to be cut are labeled with angular hatching.

4th Course Plan

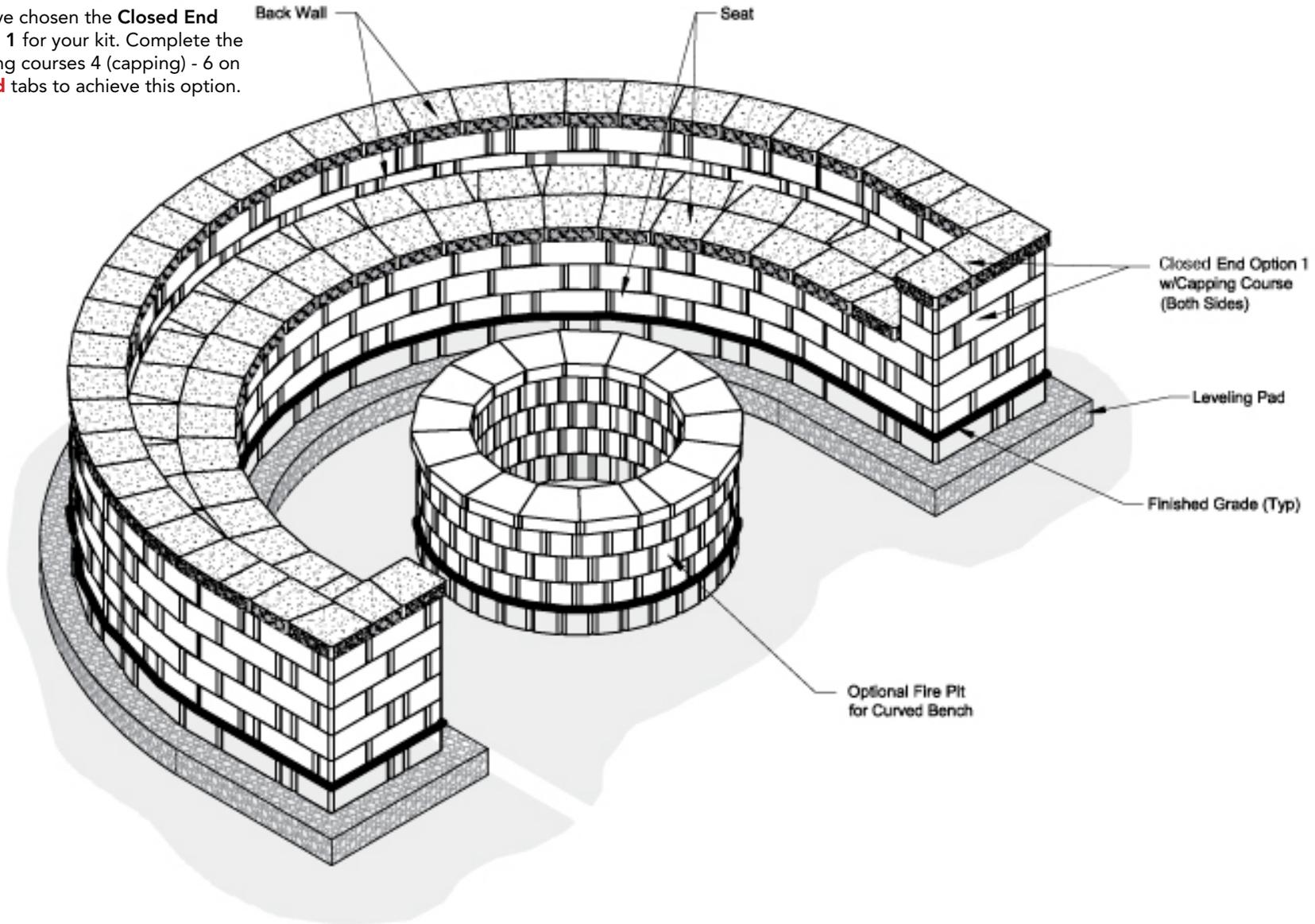


To complete your kit, choose one of the following end options.

- Option 1** Closed End Design ➤ Go to page 9
- Option 2** Open End Design ➤ Go to page 15
- Option 3** Full Seat End Design ➤ Go to page 21
- Option 4** Column End Design ➤ Go to page 27

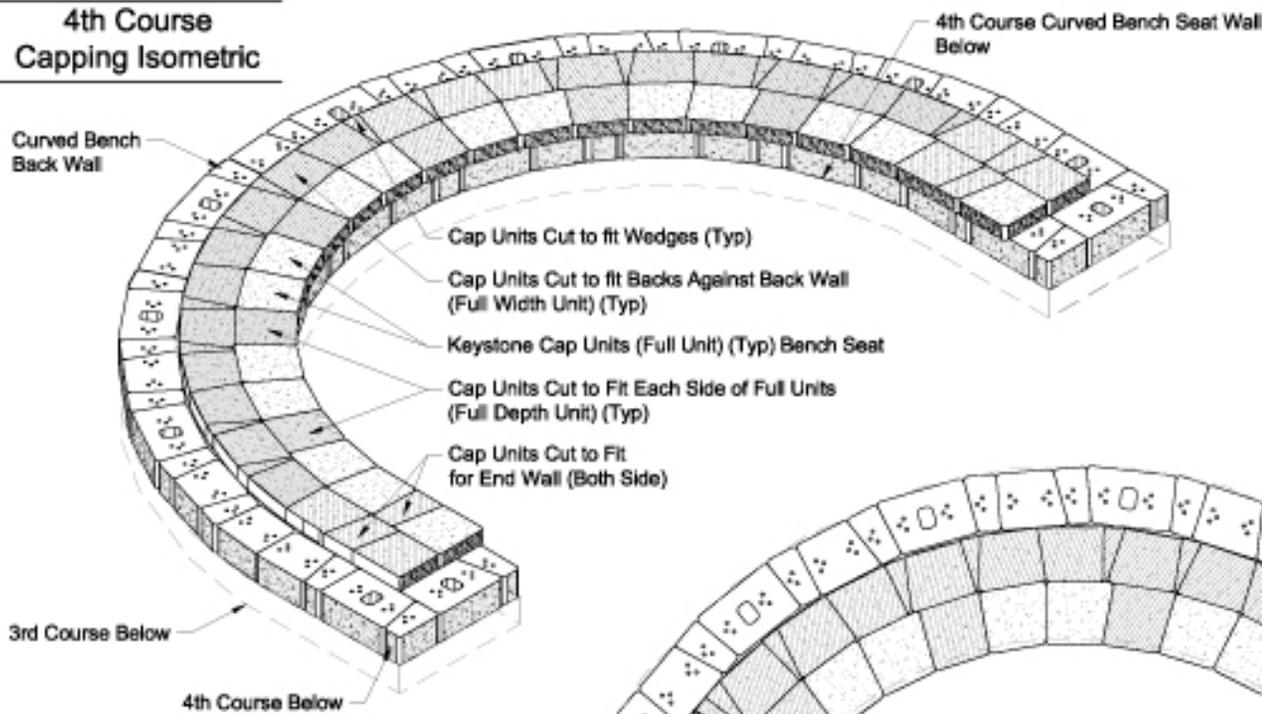
Closed End Option

You have chosen the **Closed End Option 1** for your kit. Complete the following courses 4 (capping) - 6 on the **Red** tabs to achieve this option.



Option 1

4th Course Capping Isometric



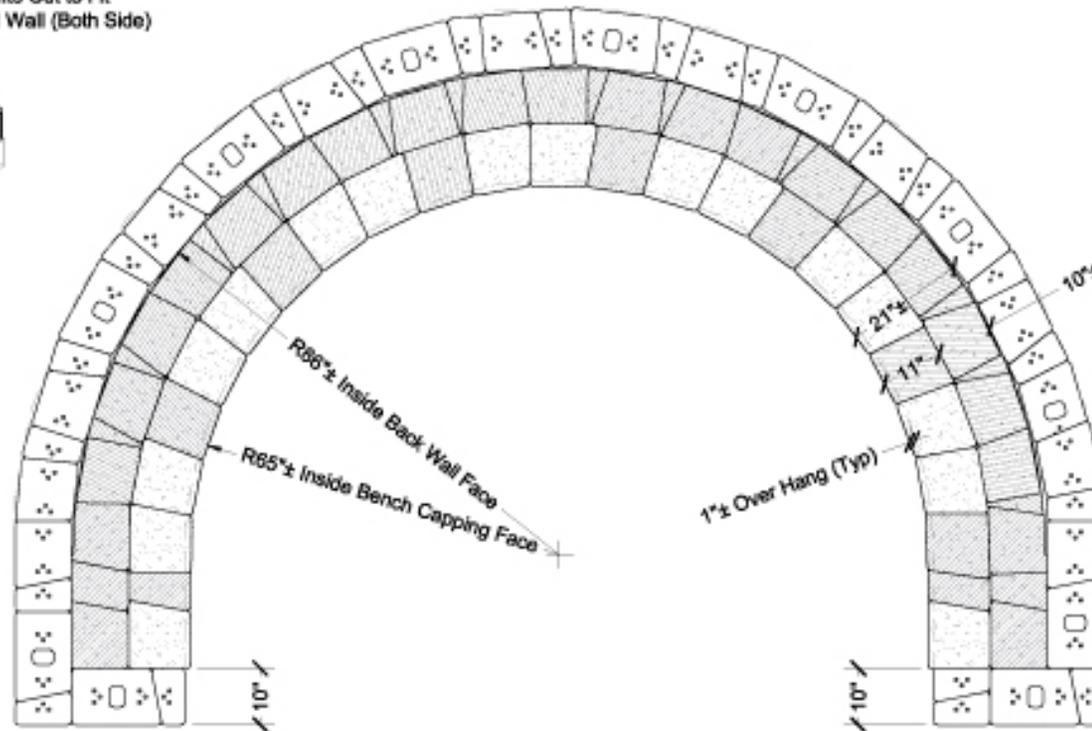
Block Cutting Note:

Cap units to be cut are labeled with angular hatching.

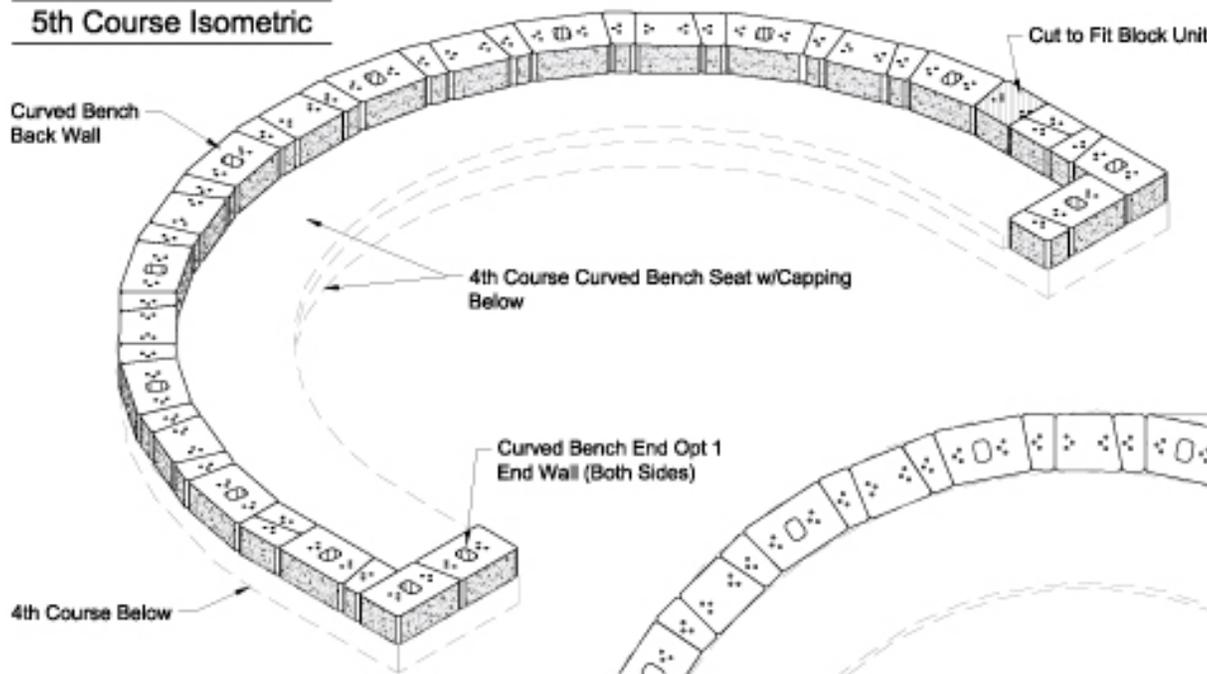
Bench Capping Note:

Cut cap units tight to the face of the 5th course back wall block units for best appearance.

4th Course Capping Plan



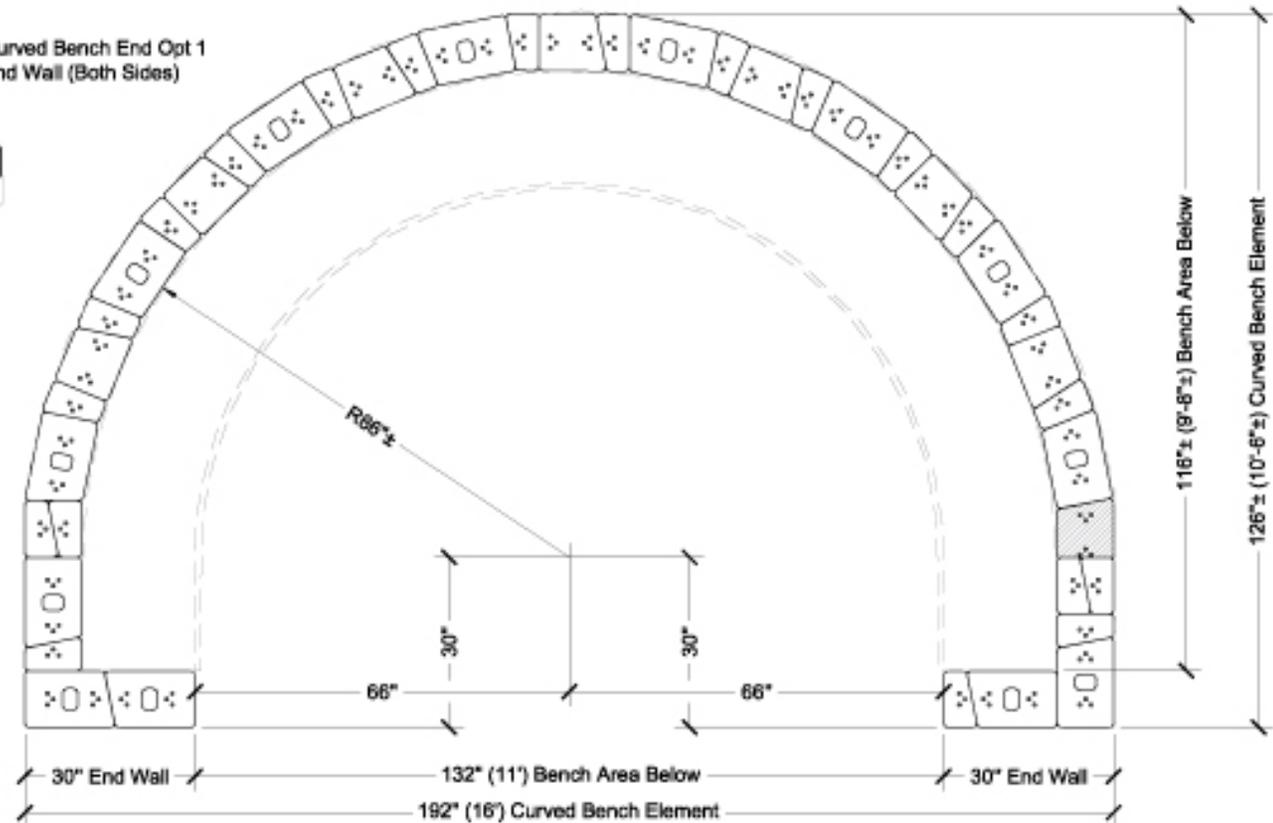
5th Course Isometric

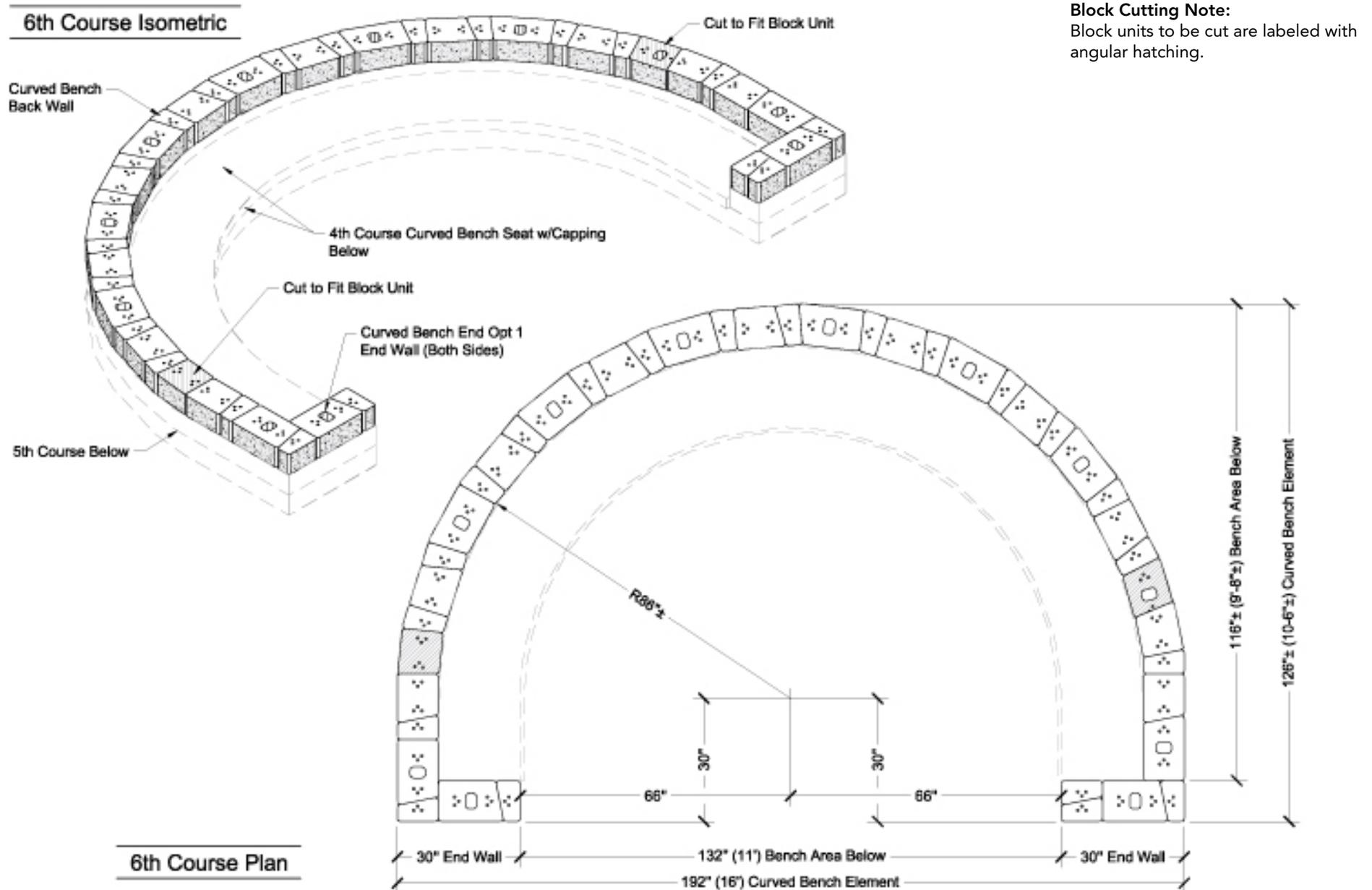


Block Cutting Note:
Block units to be cut are labeled with angular hatching.

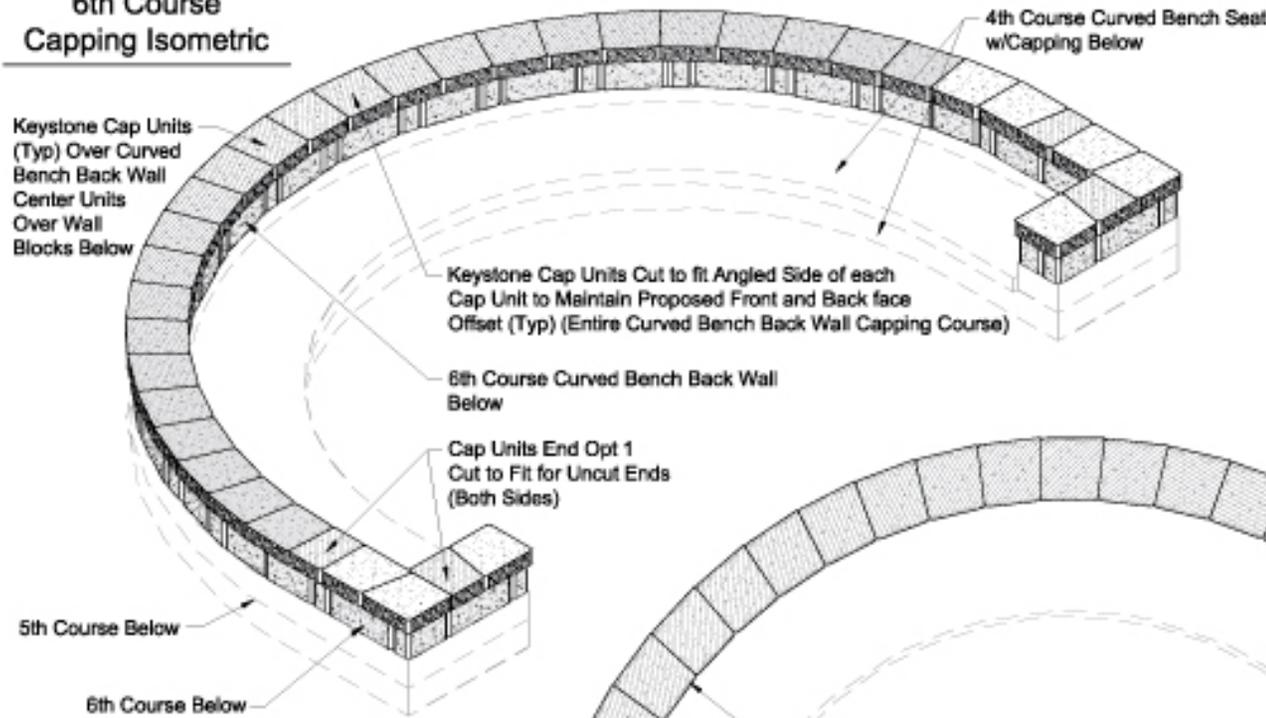
Option 1

5th Course Plan

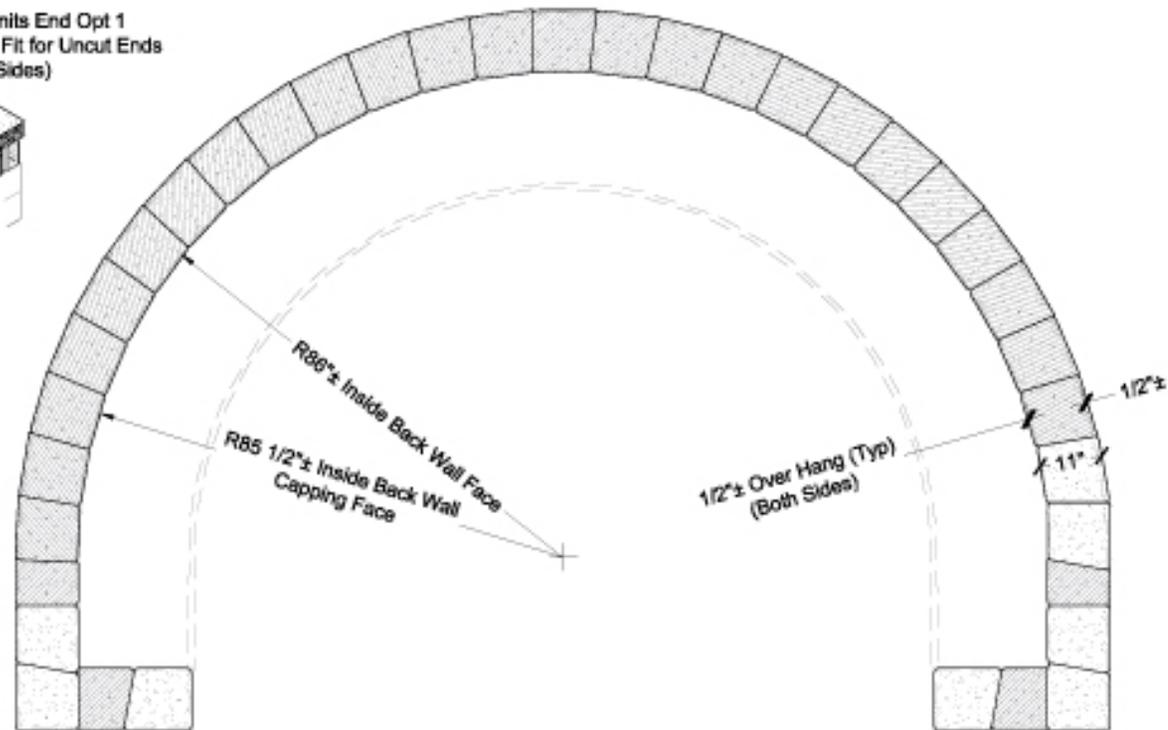




6th Course Capping Isometric



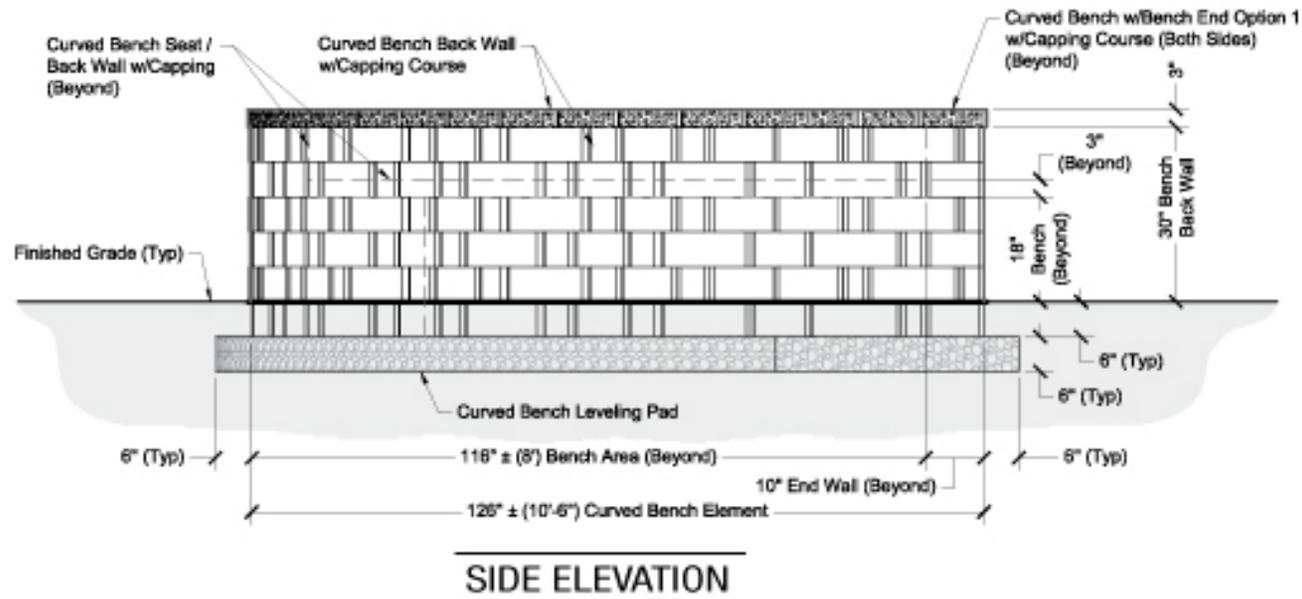
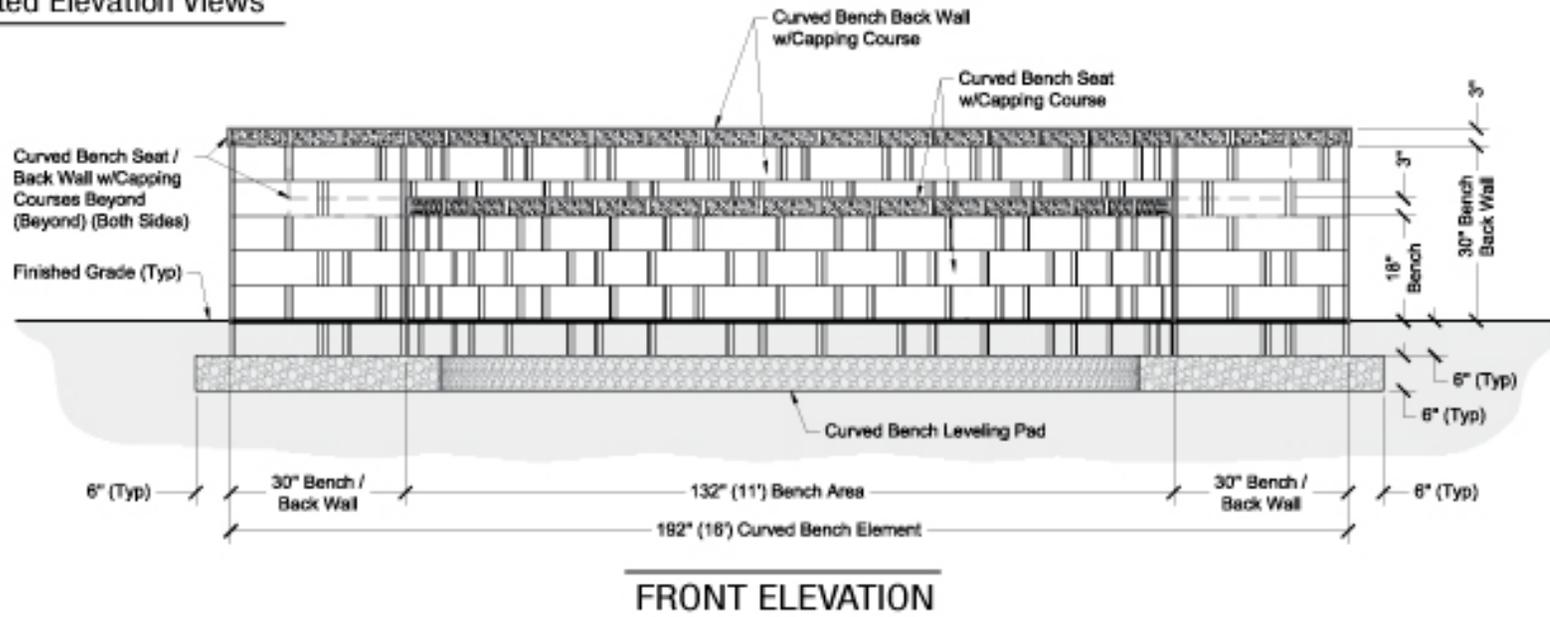
6th Course Capping Plan



Block Cutting Note:

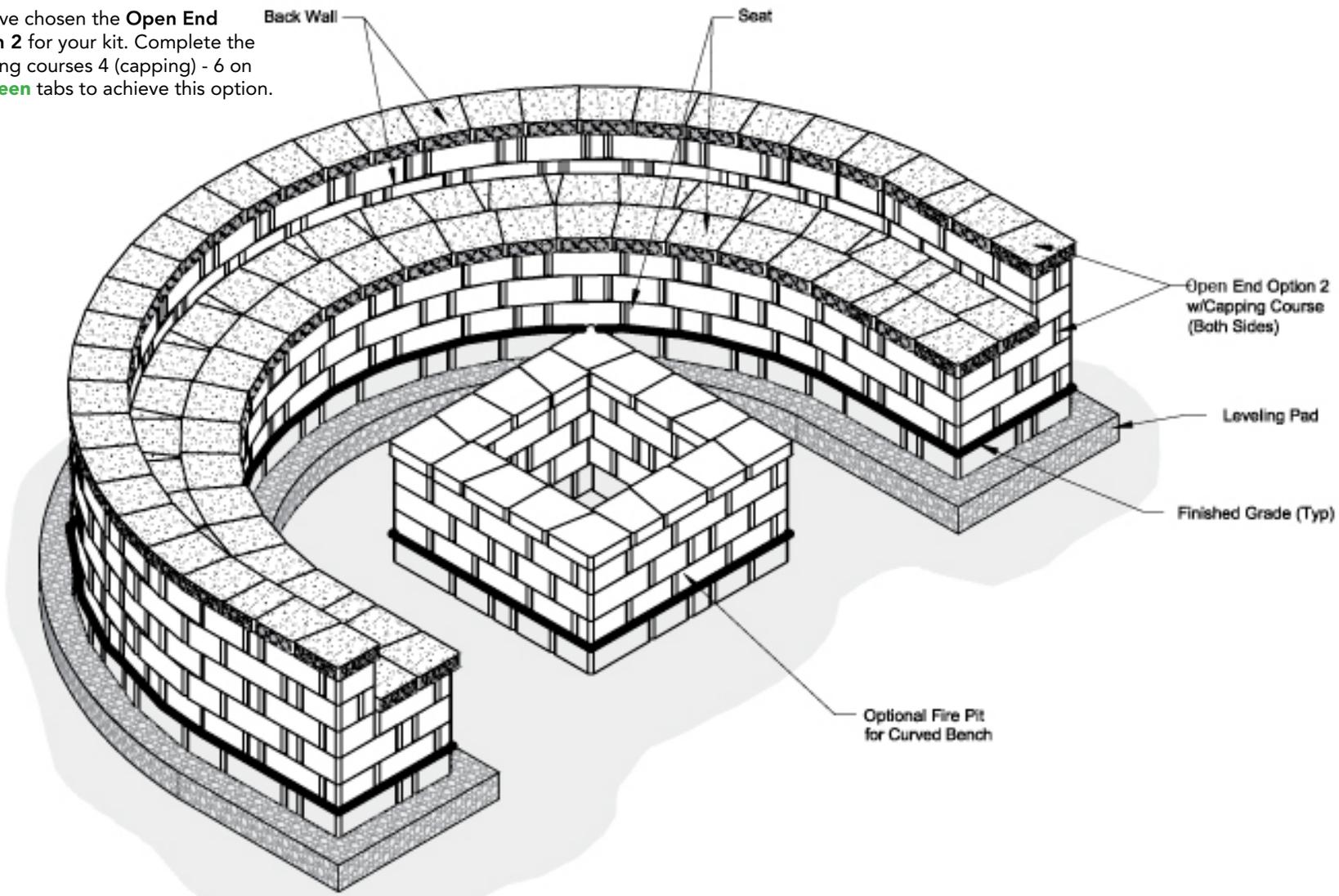
Cap units to be cut or hard split are labeled with angular hatching.

Completed Elevation Views

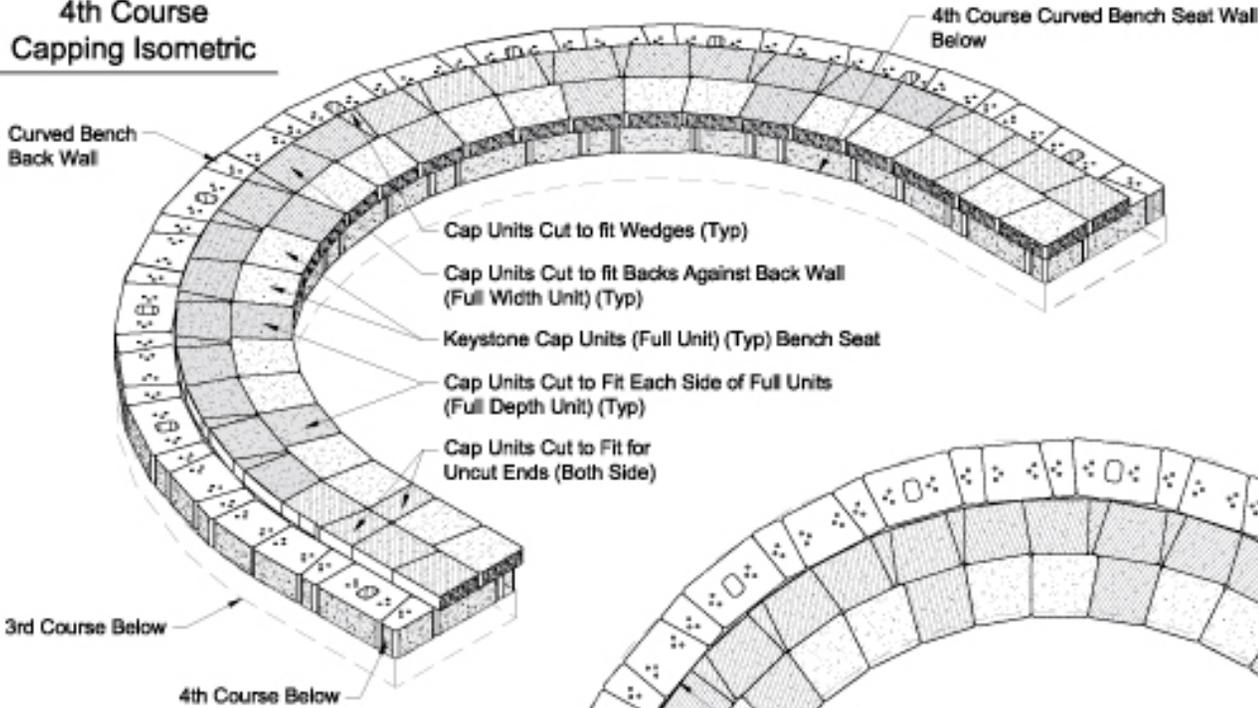


Open End Option

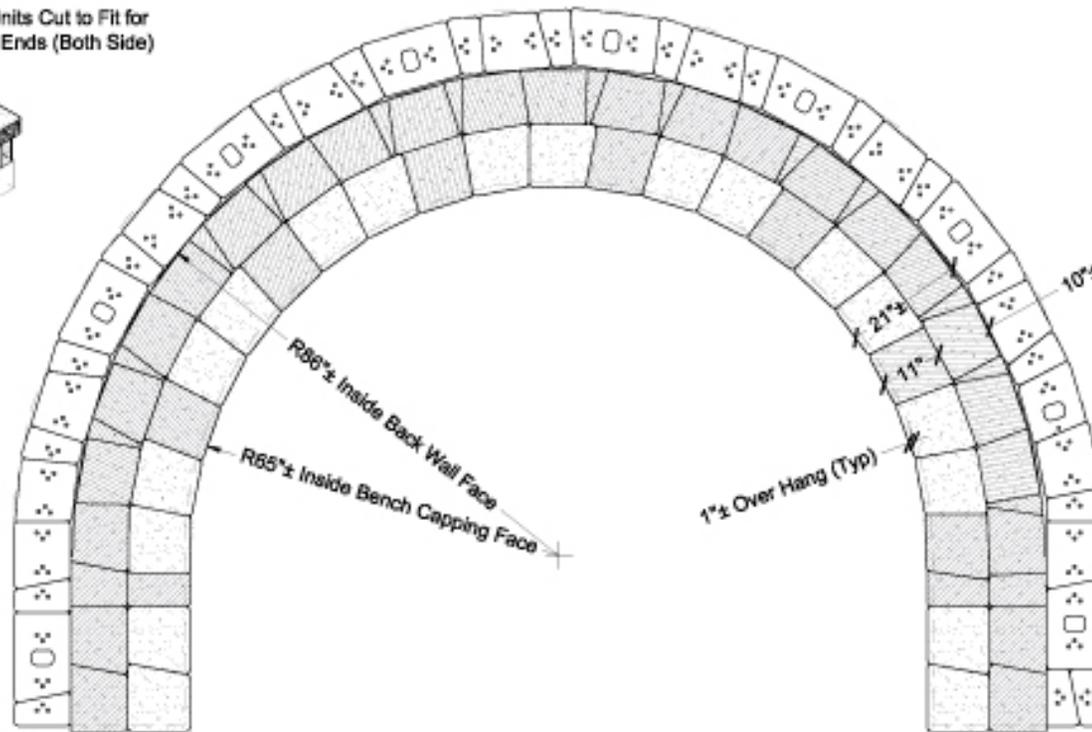
You have chosen the **Open End Option 2** for your kit. Complete the following courses 4 (capping) - 6 on the **Green** tabs to achieve this option.



4th Course Capping Isometric



4th Course Capping Plan



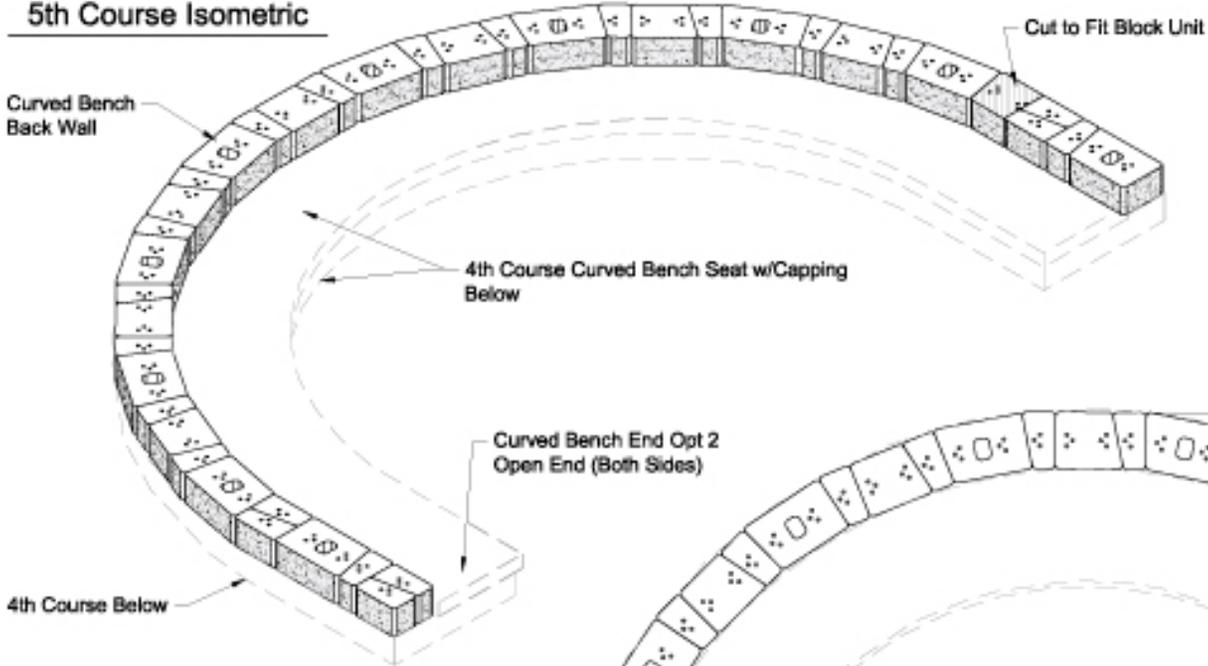
Block Cutting Note:

Cap units to be cut are labeled with angular hatching.

Bench Capping Note:

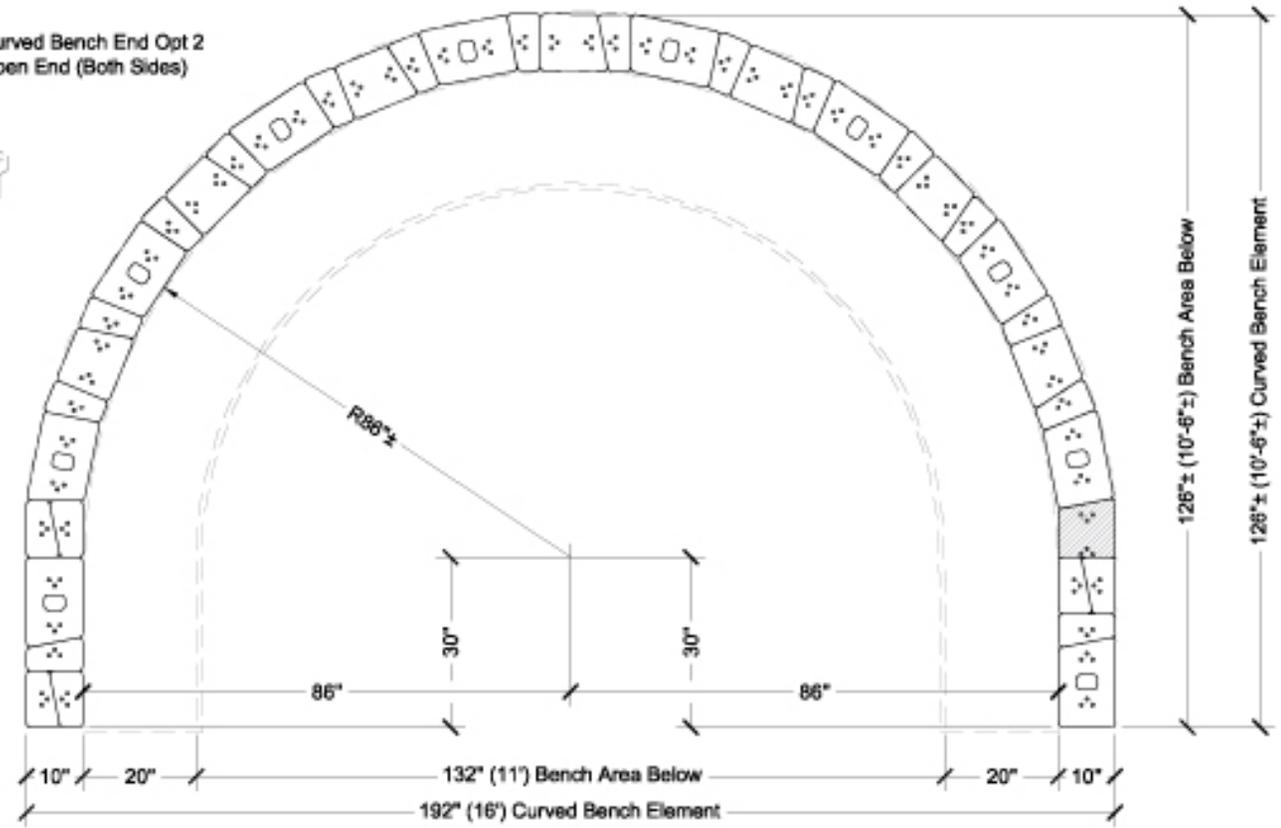
Cut cap units tight to the face of the 5th course back wall block units for best appearance.

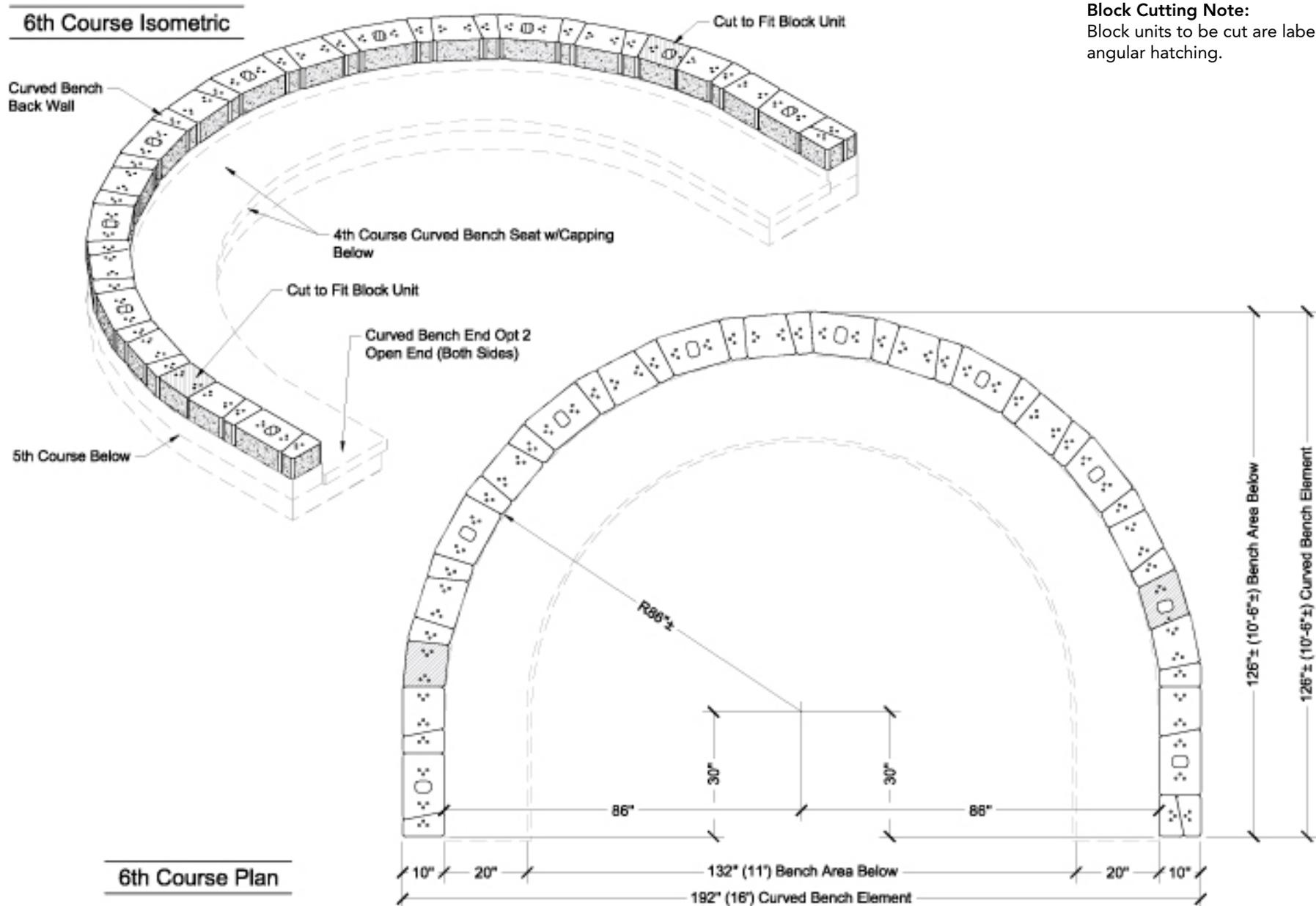
5th Course Isometric



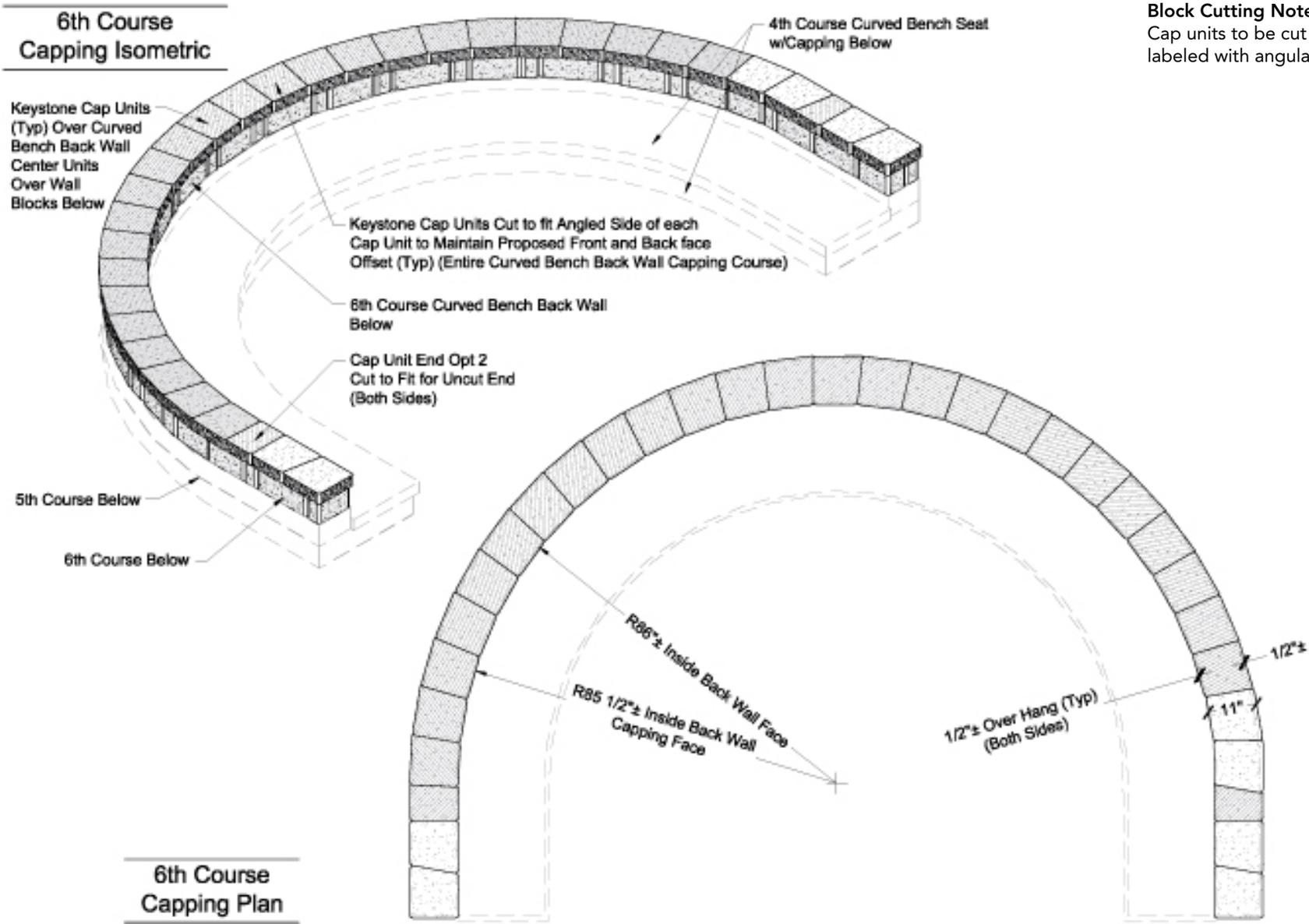
Block Cutting Note:
Block units to be cut are labeled with angular hatching.

5th Course Plan



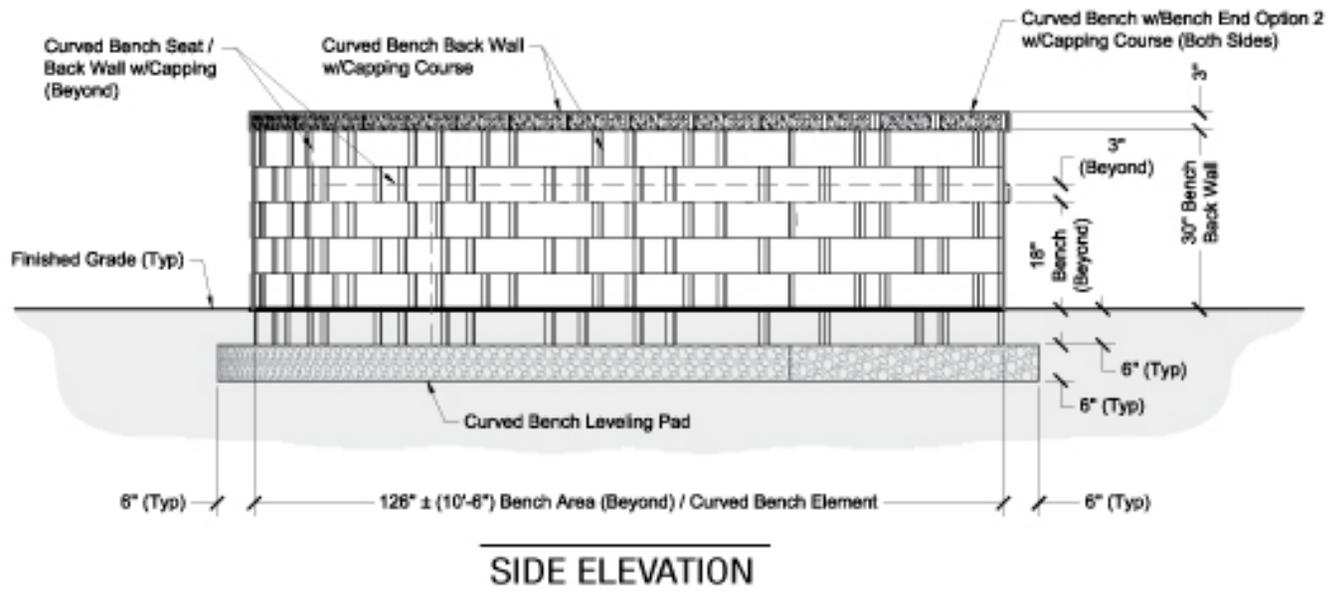
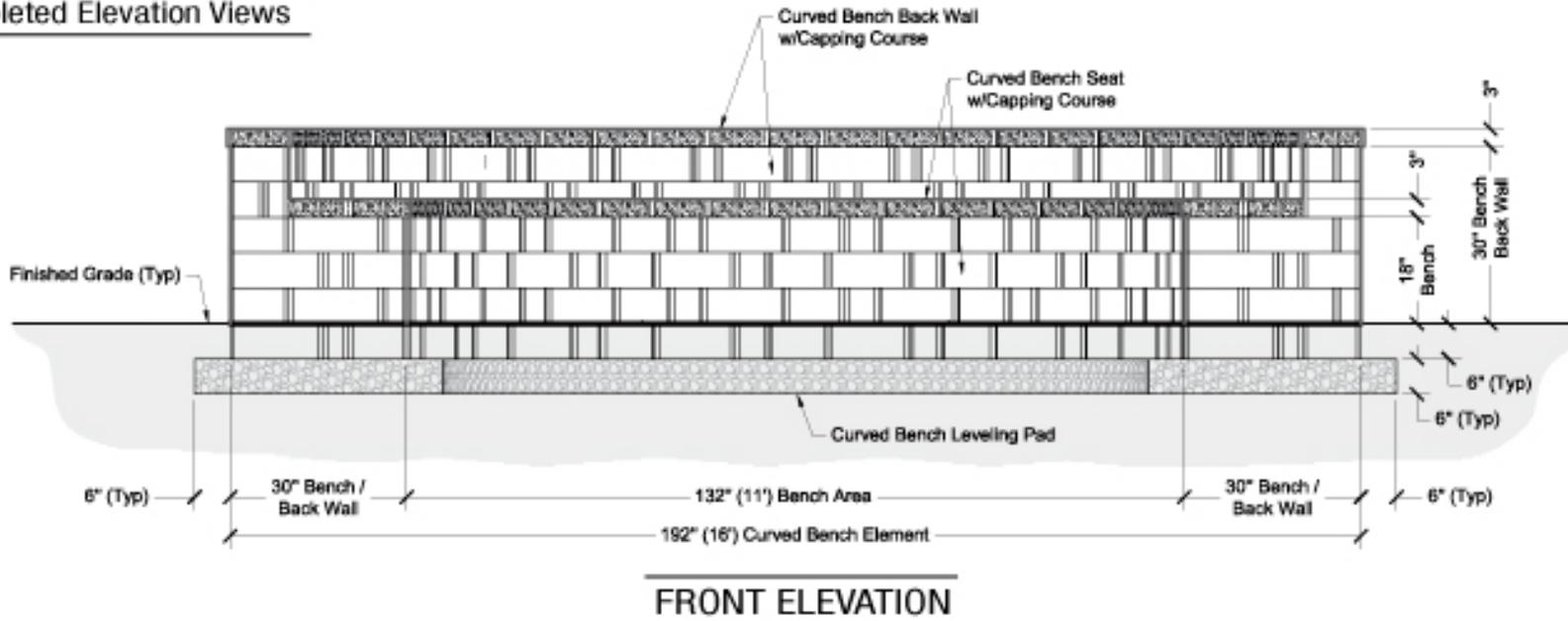


Block Cutting Note:
Block units to be cut are labeled with angular hatching.



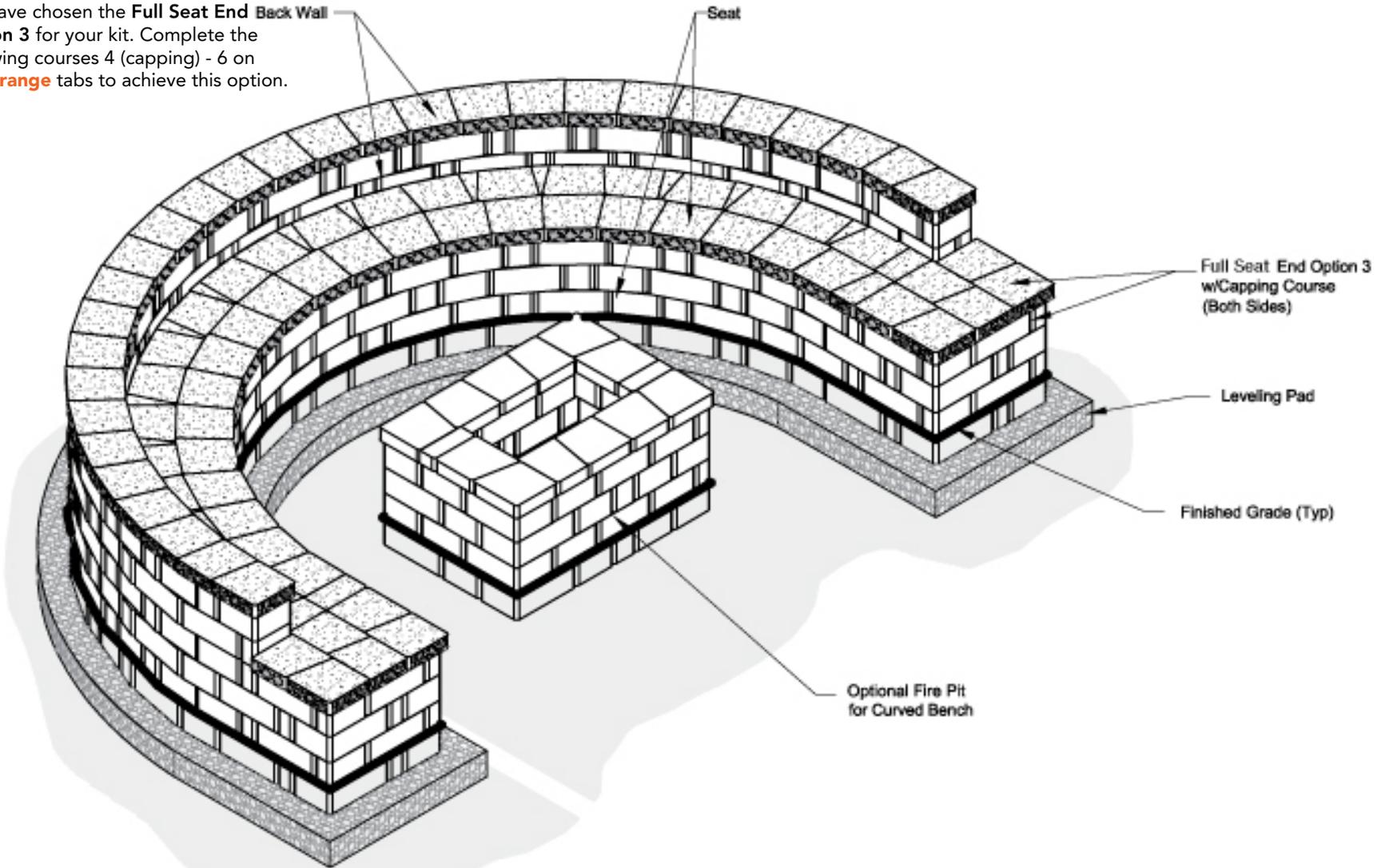
Block Cutting Note:
Cap units to be cut or hard split are labeled with angular hatching.

Completed Elevation Views



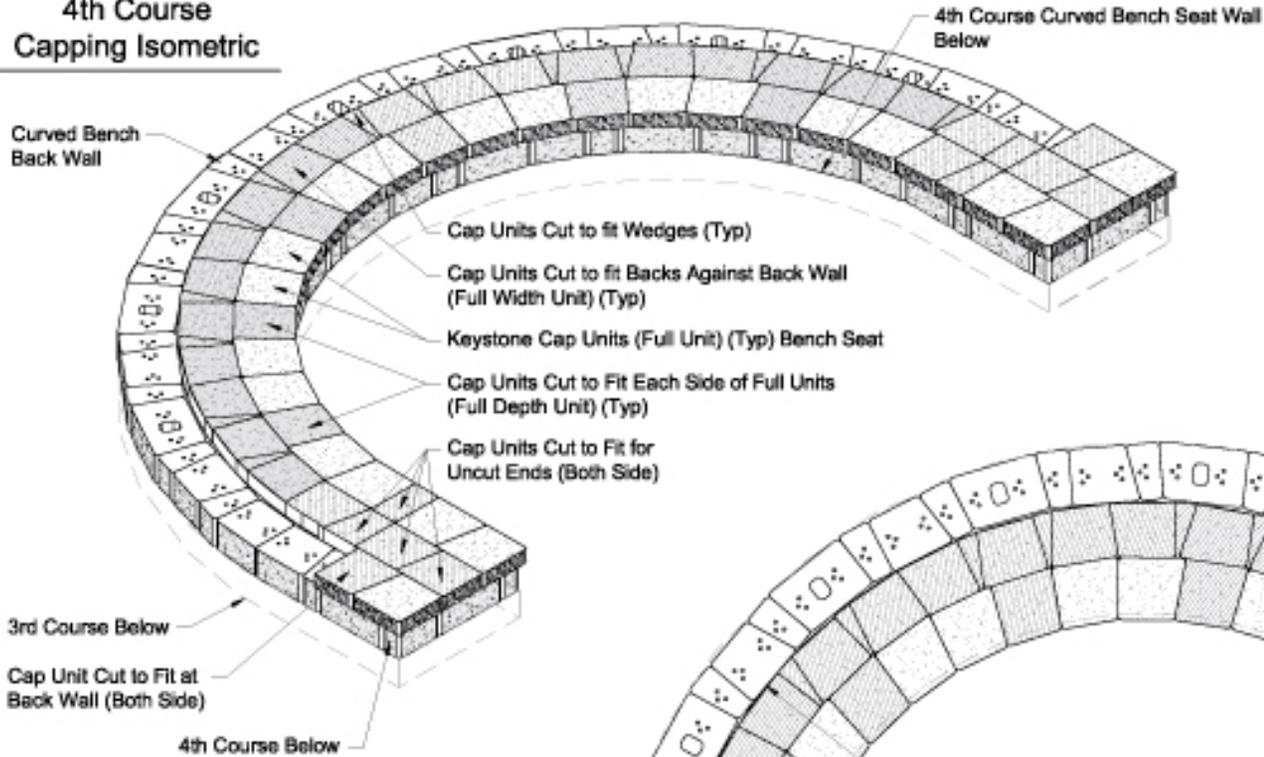
Full Seat End Option

You have chosen the **Full Seat End Back Wall** **Option 3** for your kit. Complete the following courses 4 (capping) - 6 on the **Orange** tabs to achieve this option.



Option 3

4th Course Capping Isometric



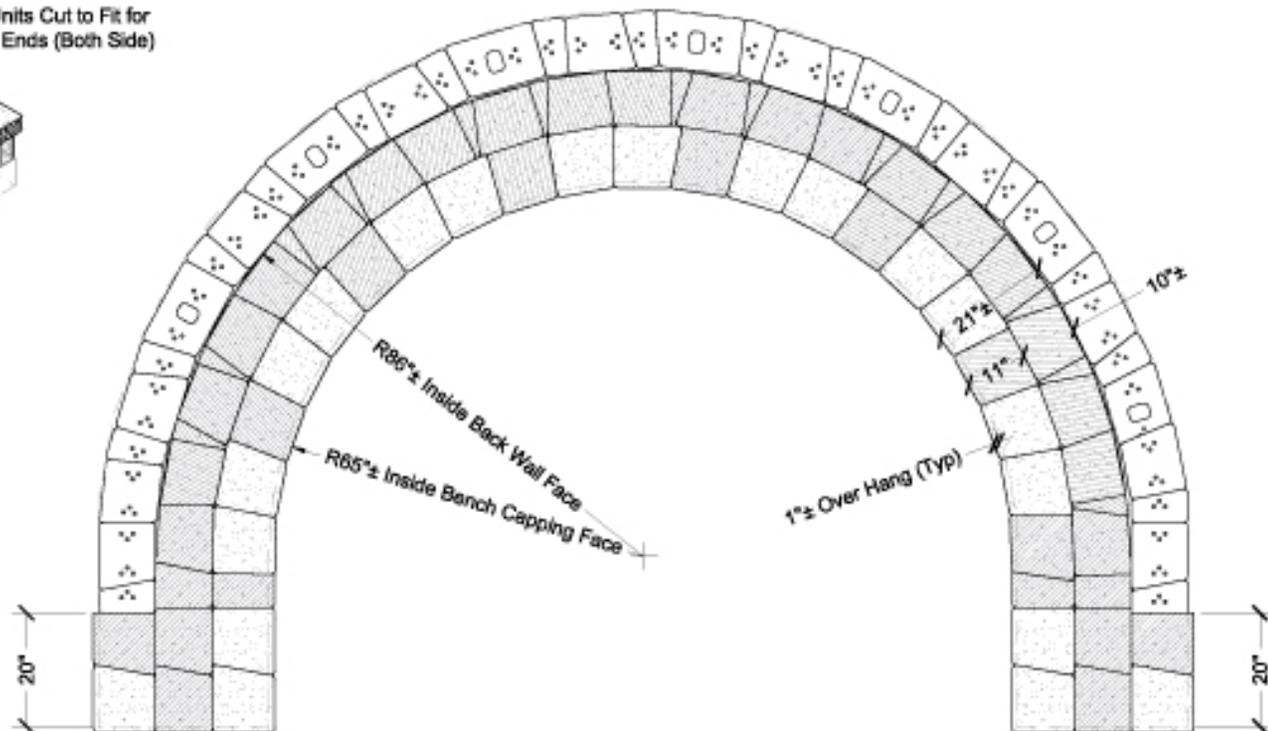
Block Cutting Note:

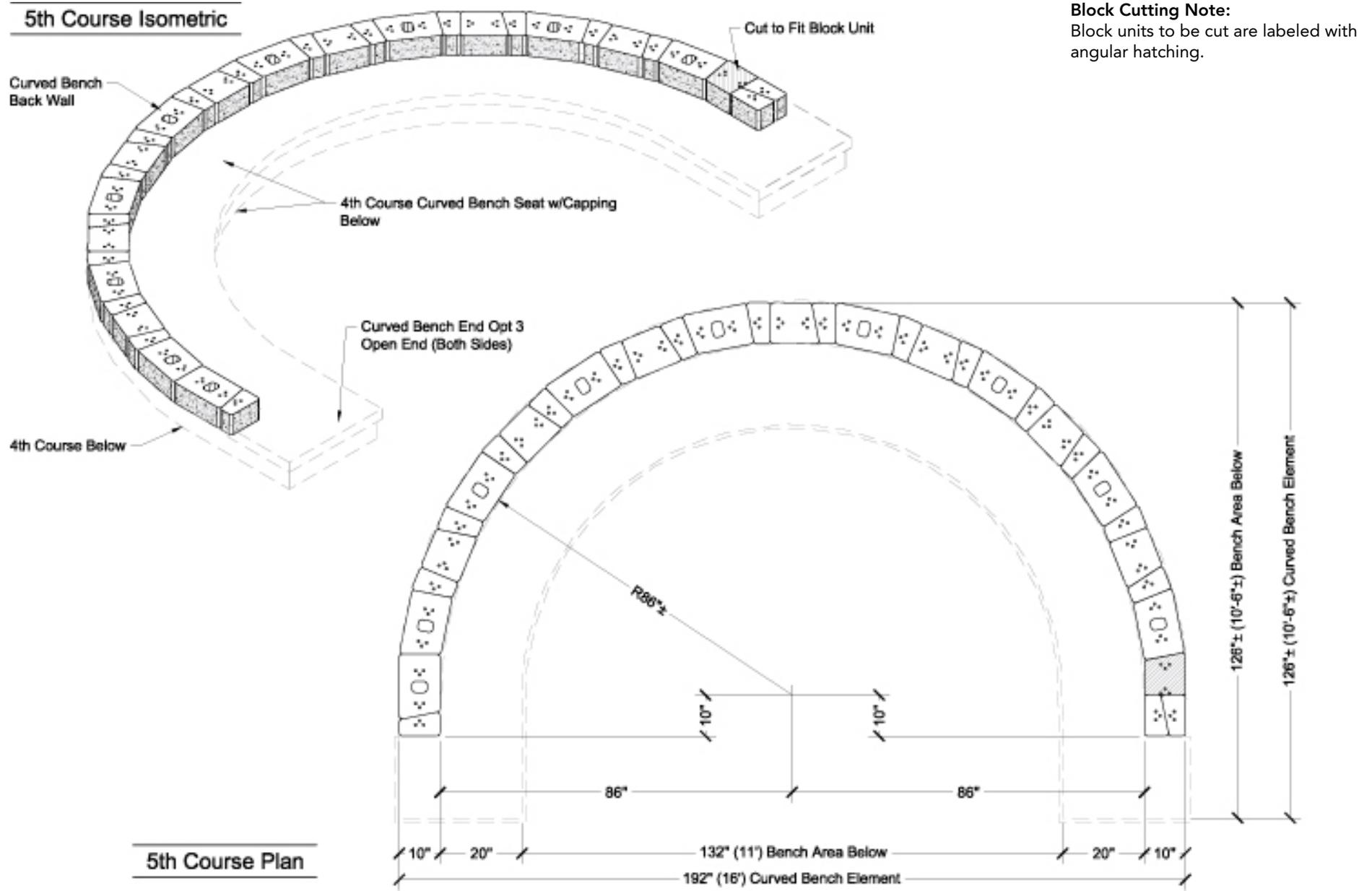
Cap units to be cut are labeled with angular hatching.

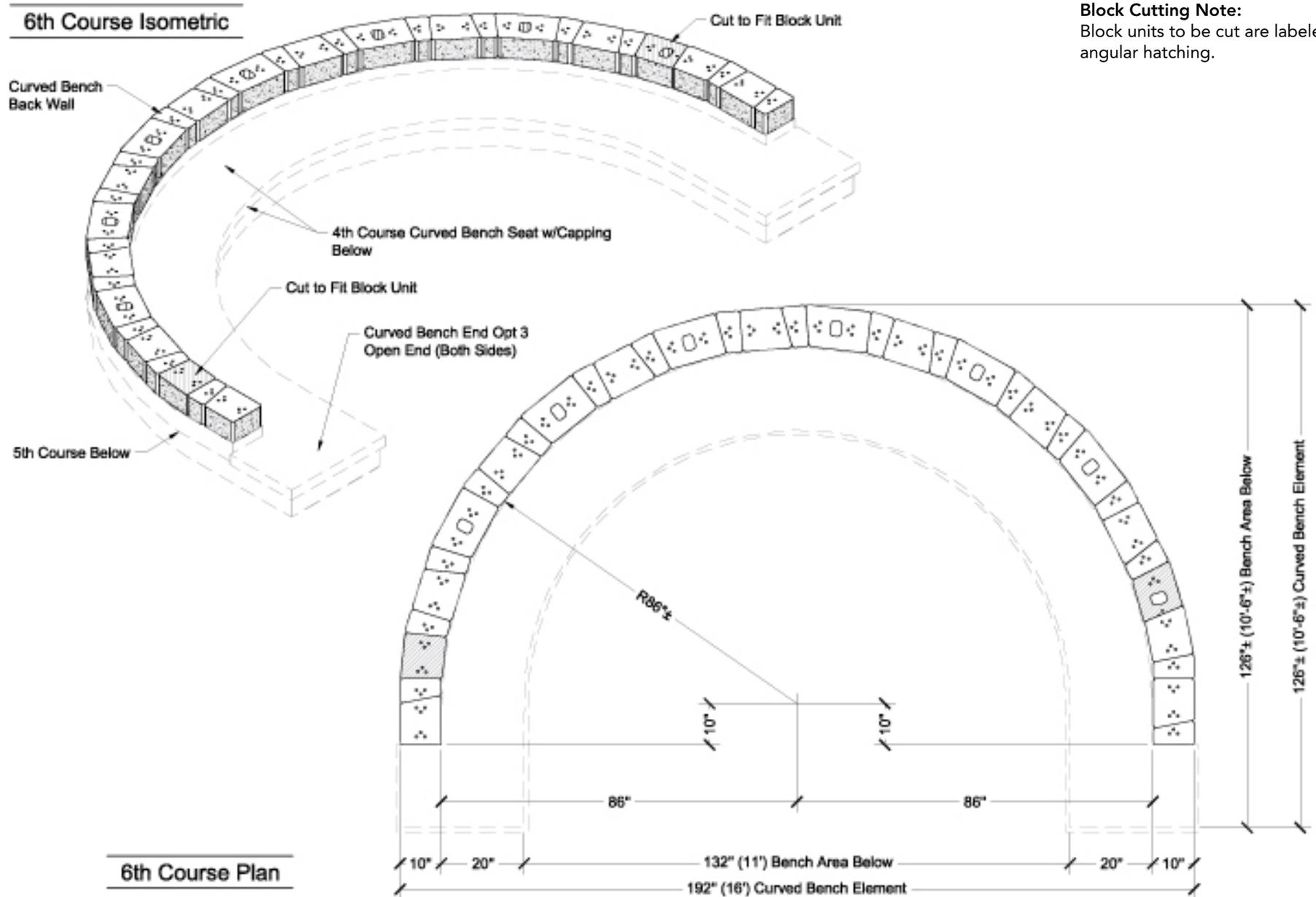
Bench Capping Note:

Cut cap units tight to the face of the 5th course back wall block units for best appearance.

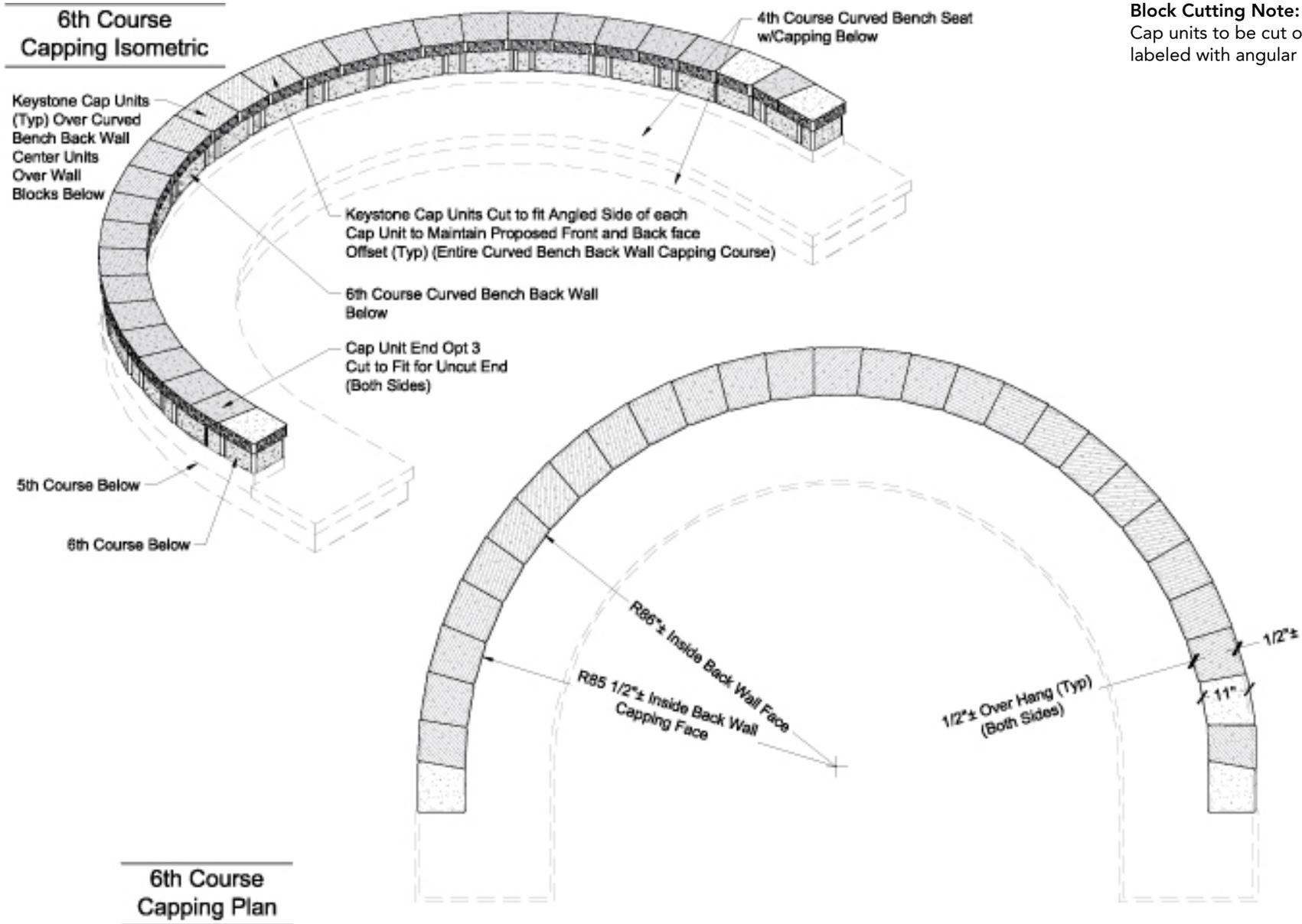
4th Course Capping Plan







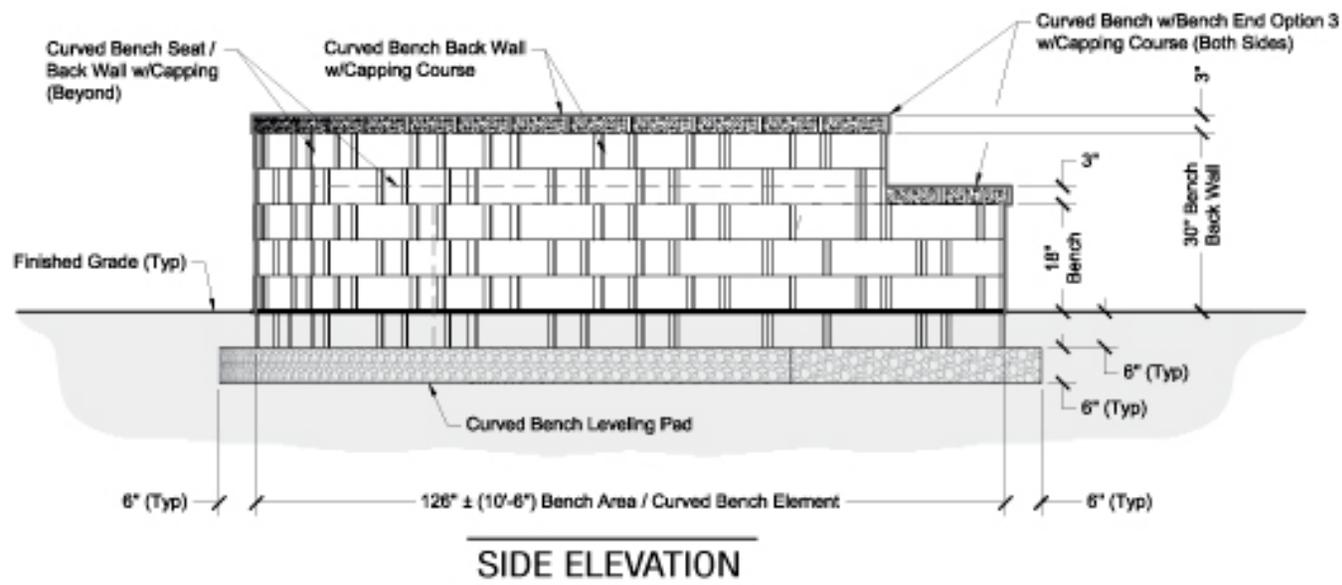
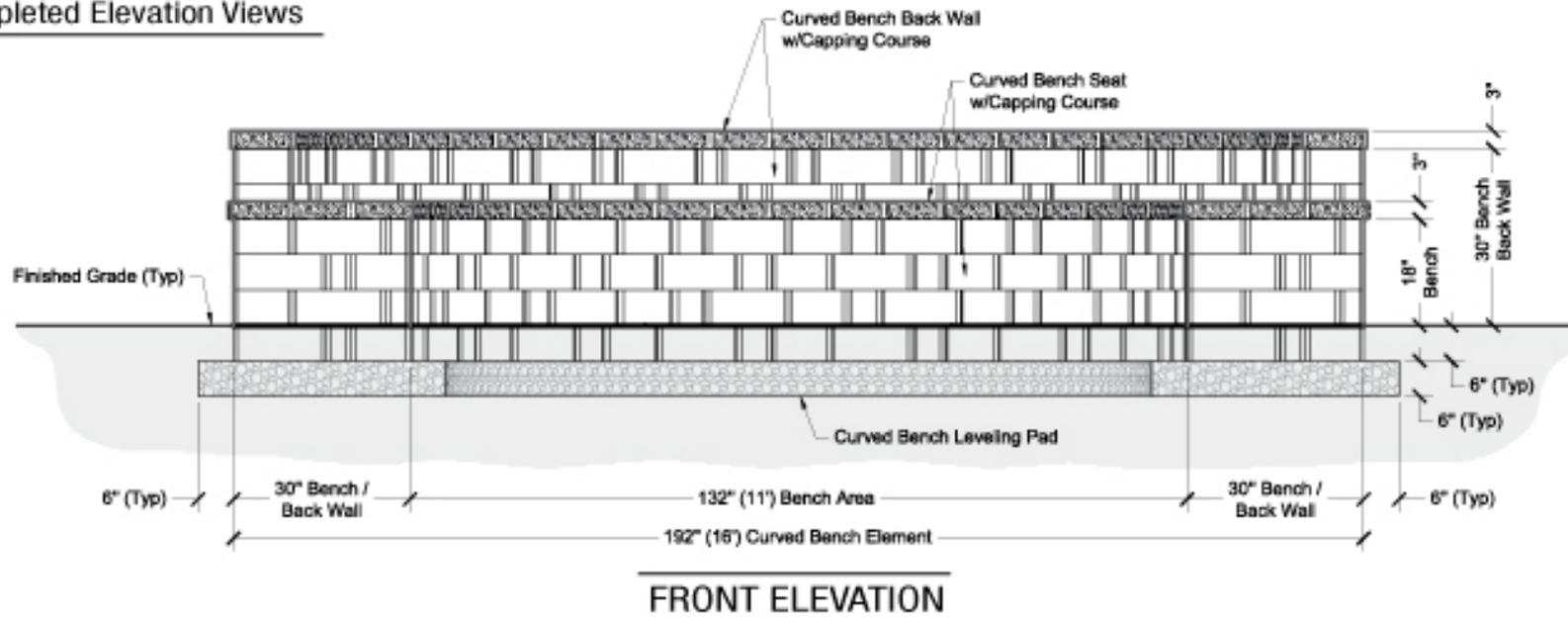
Block Cutting Note:
Block units to be cut are labeled with angular hatching.



Block Cutting Note:
Cap units to be cut or hard split are labeled with angular hatching.

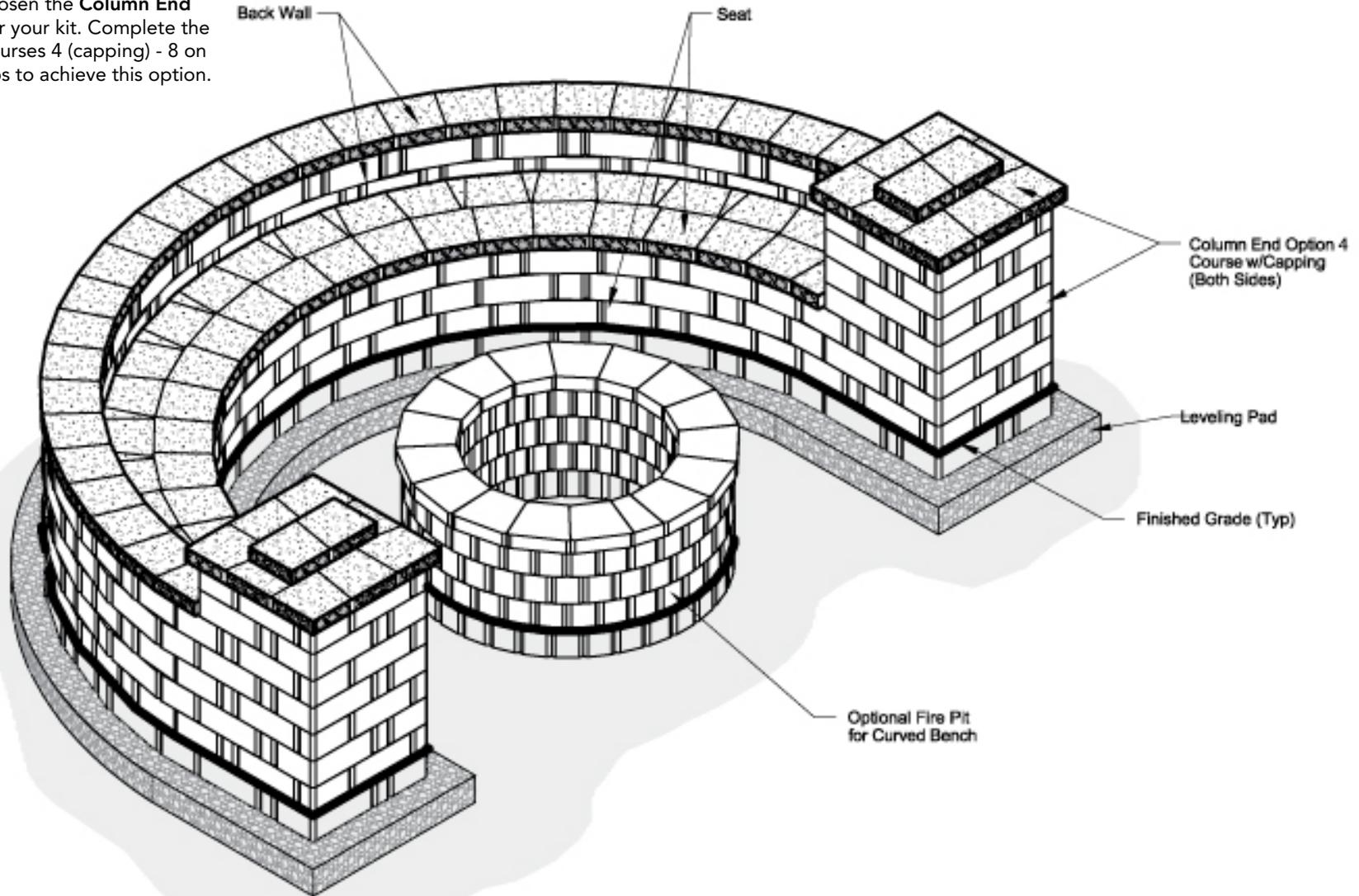
Option 3

Completed Elevation Views

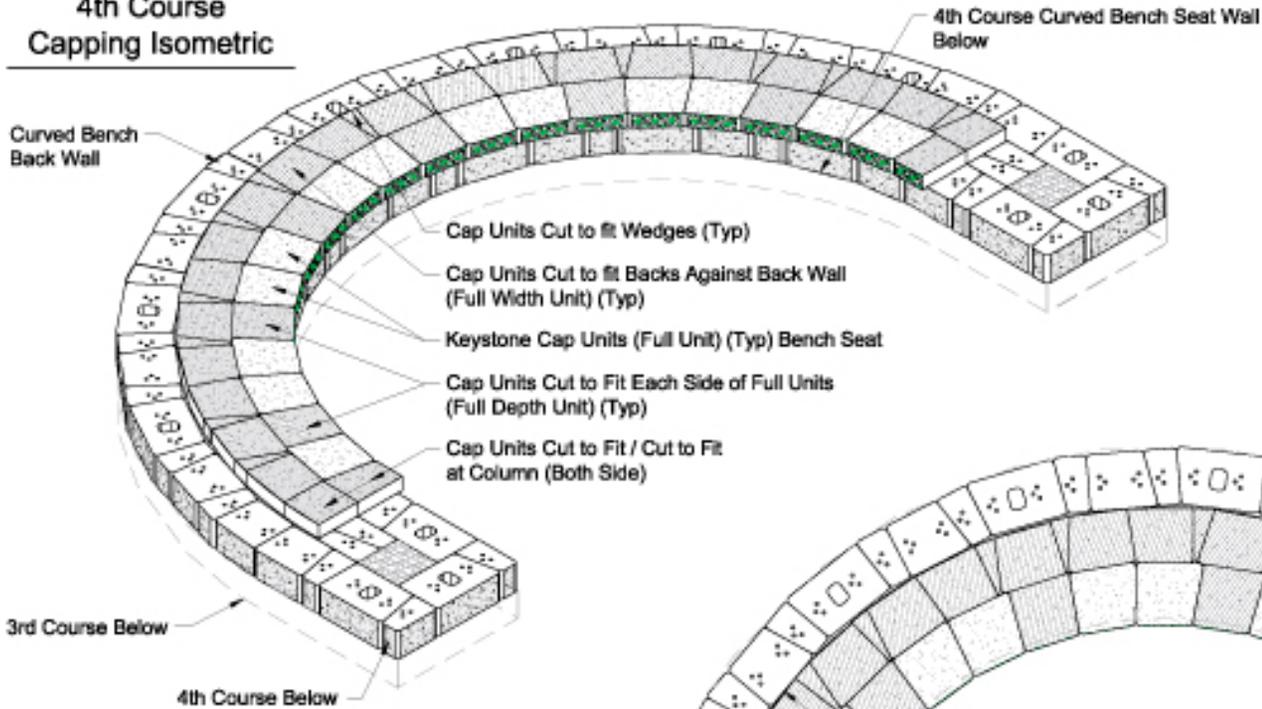


Column End Option

You have chosen the **Column End Option 4** for your kit. Complete the following courses 4 (capping) - 8 on the **Blue** tabs to achieve this option.



4th Course Capping Isometric



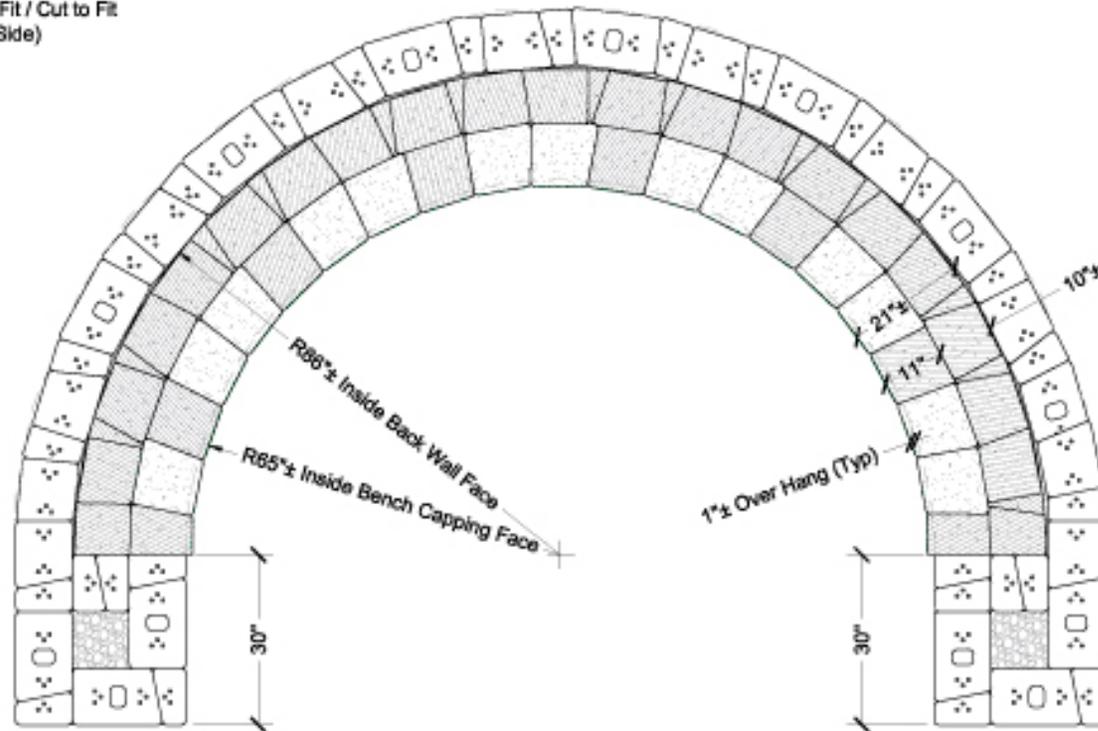
Block Cutting Note:

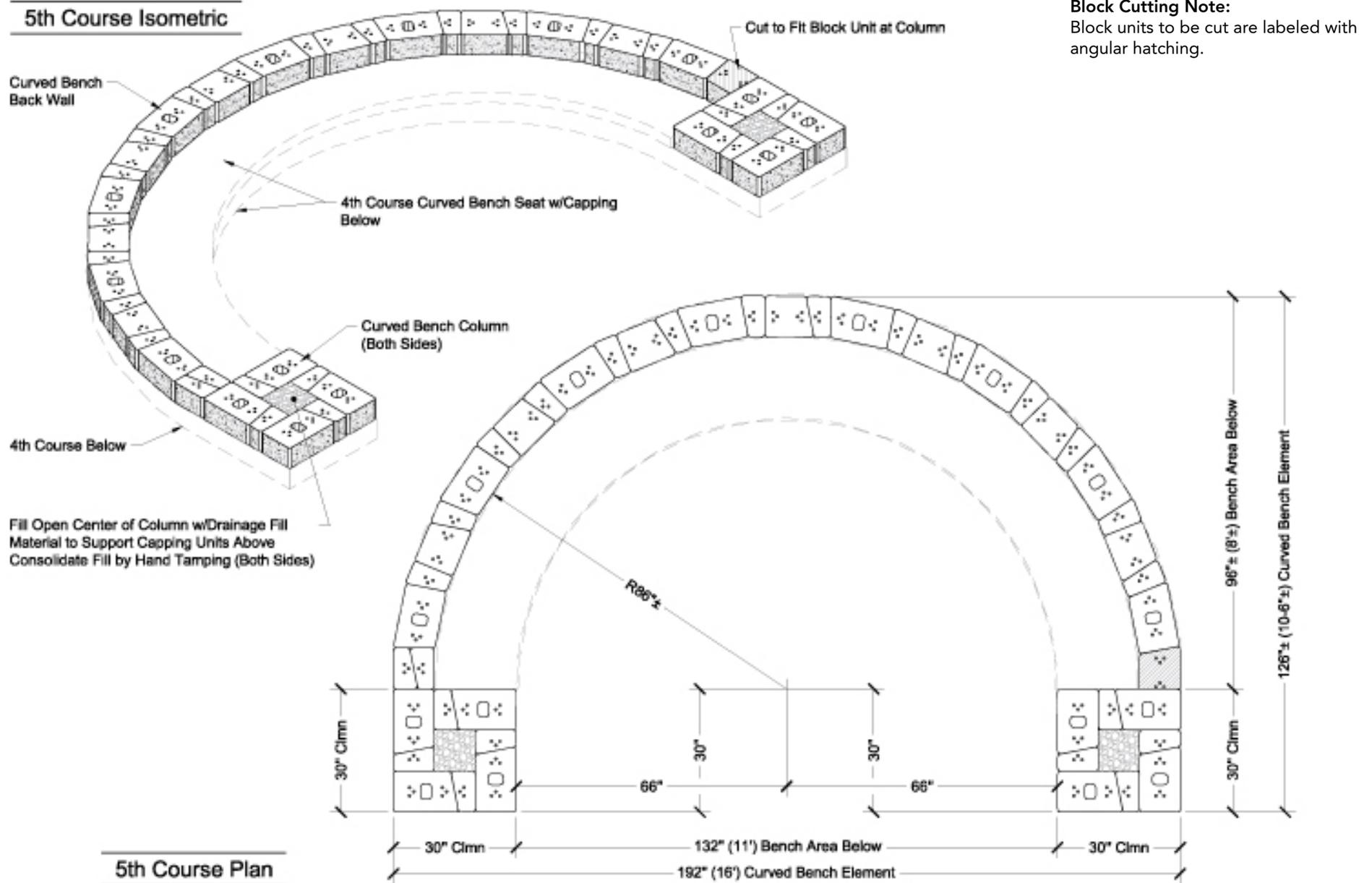
Cap units to be cut are labeled with angular hatching.

Bench Capping Note:

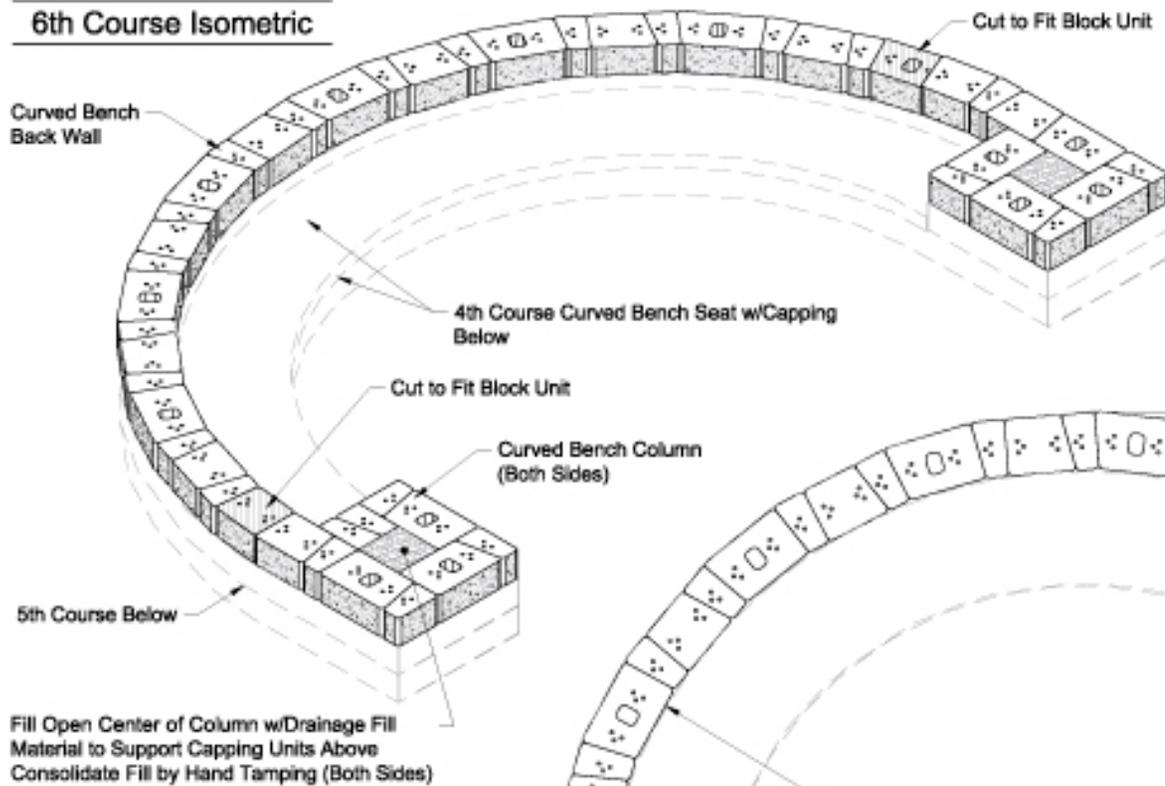
Cut cap units tight to the face of the 5th course back wall block units for best appearance.

4th Course Capping Plan



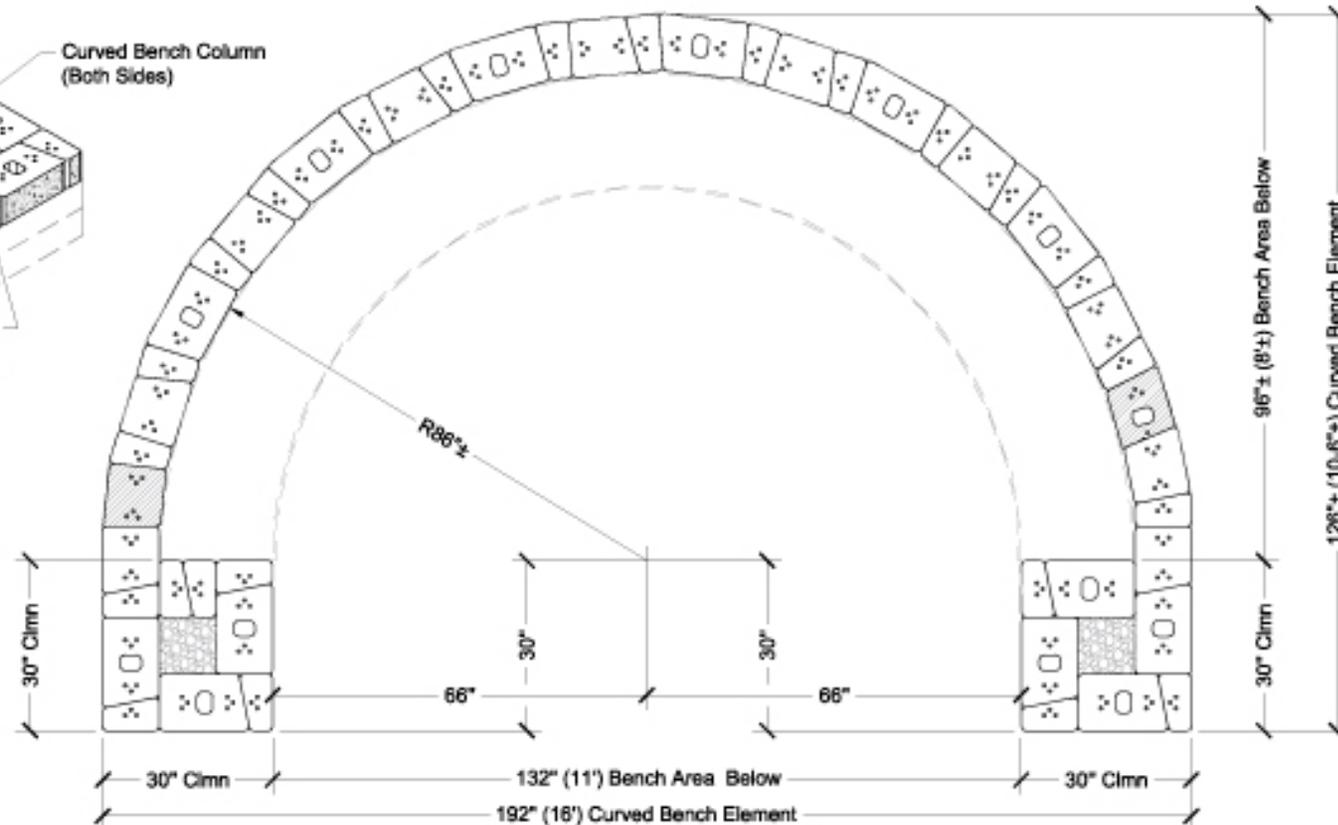


6th Course Isometric

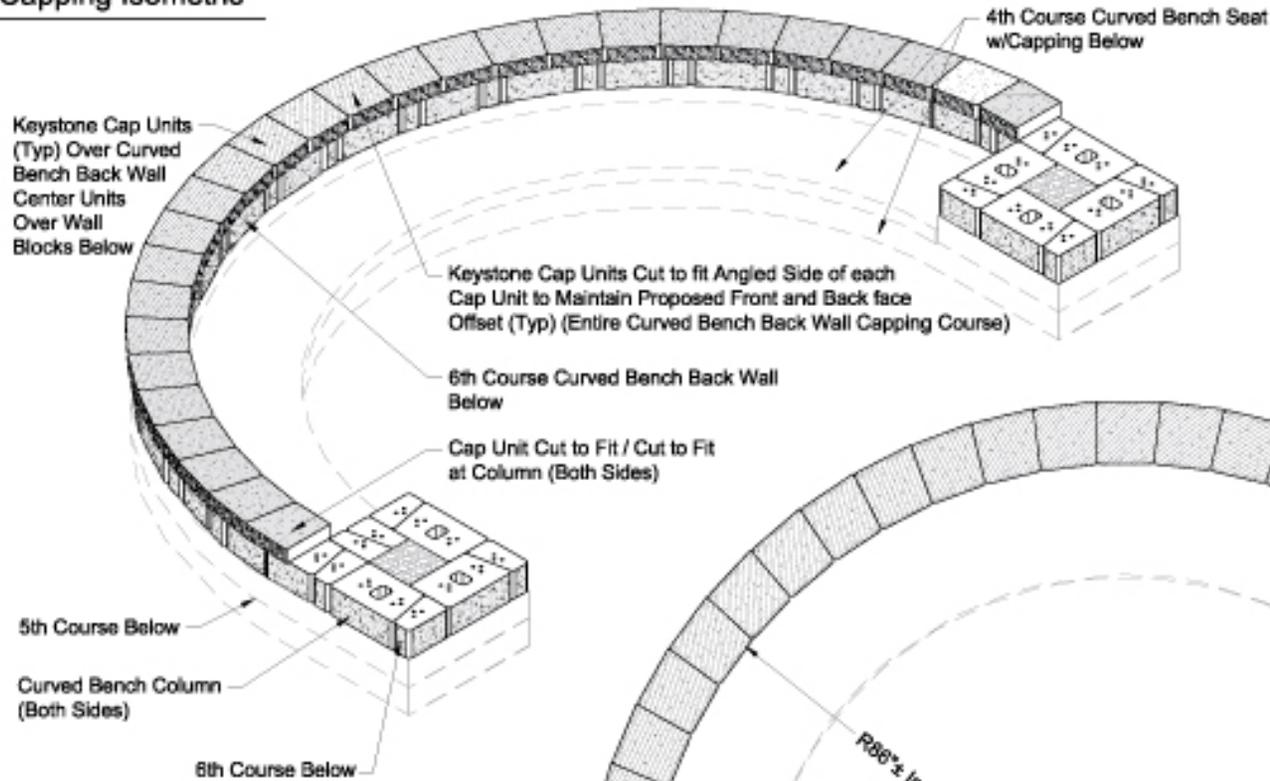


Block Cutting Note:
Block units to be cut are labeled with angular hatching.

6th Course Plan

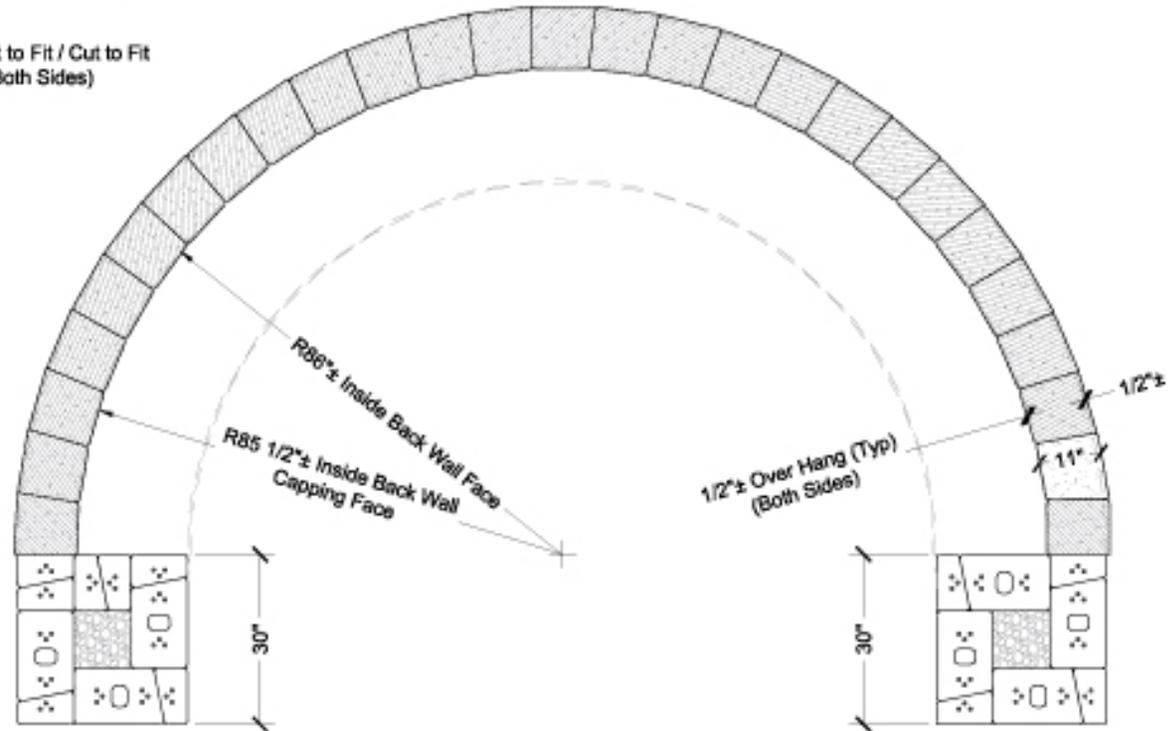


6th Course Capping Isometric



Block Cutting Note:
Cap units to be cut or hard split are labeled with angular hatching.

6th Course Capping Plan



7th Course Isometric

6th Course Curved Bench Back Wall w/Capping Below

4th Course Curved Bench Seat w/Capping Below

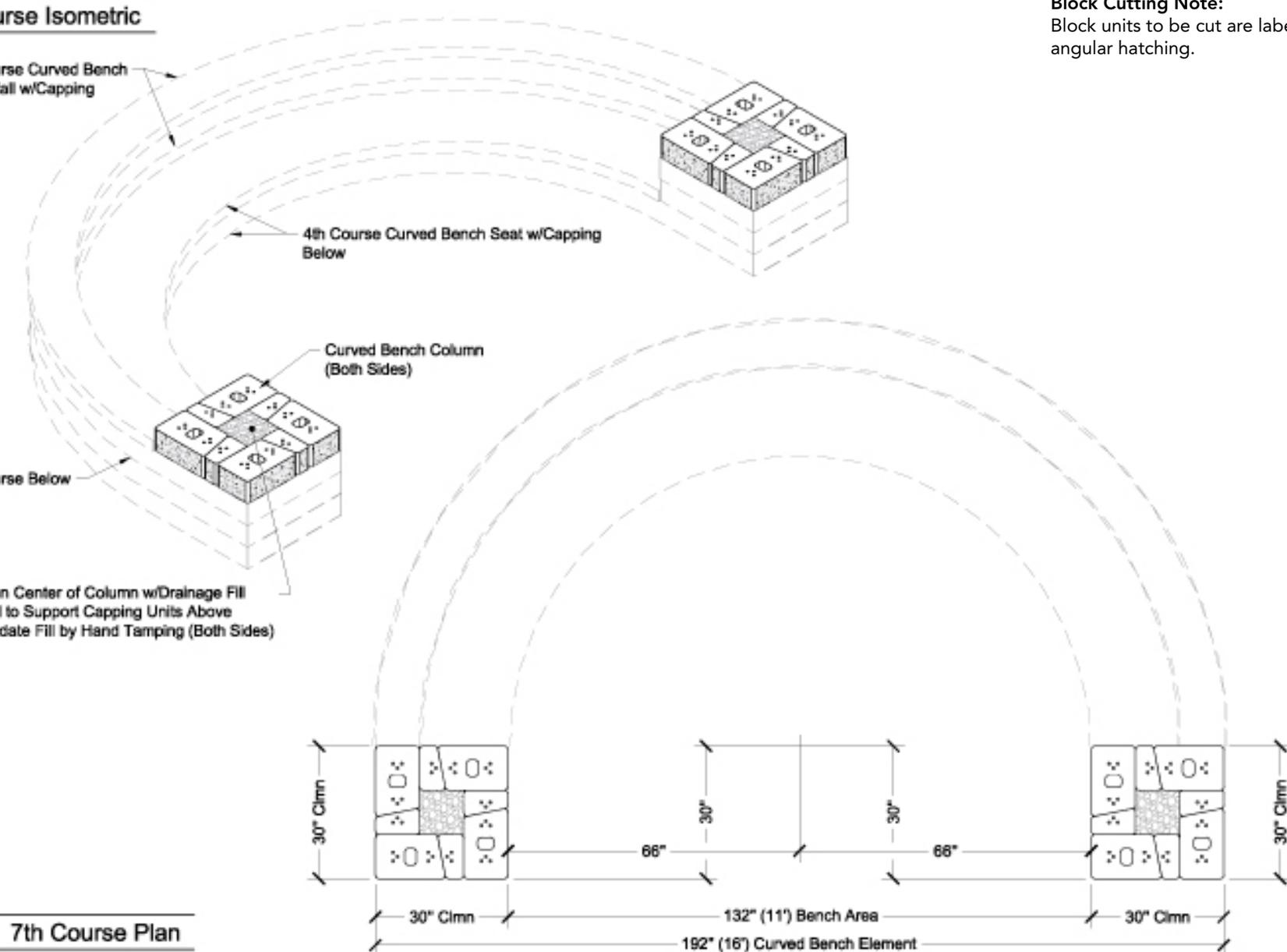
Curved Bench Column (Both Sides)

6th Course Below

Fill Open Center of Column w/Drainage Fill Material to Support Capping Units Above Consolidate Fill by Hand Tamping (Both Sides)

Block Cutting Note:

Block units to be cut are labeled with angular hatching.



7th Course Plan

8th Course Isometric

6th Course Curved Bench Back Wall w/Capping Below

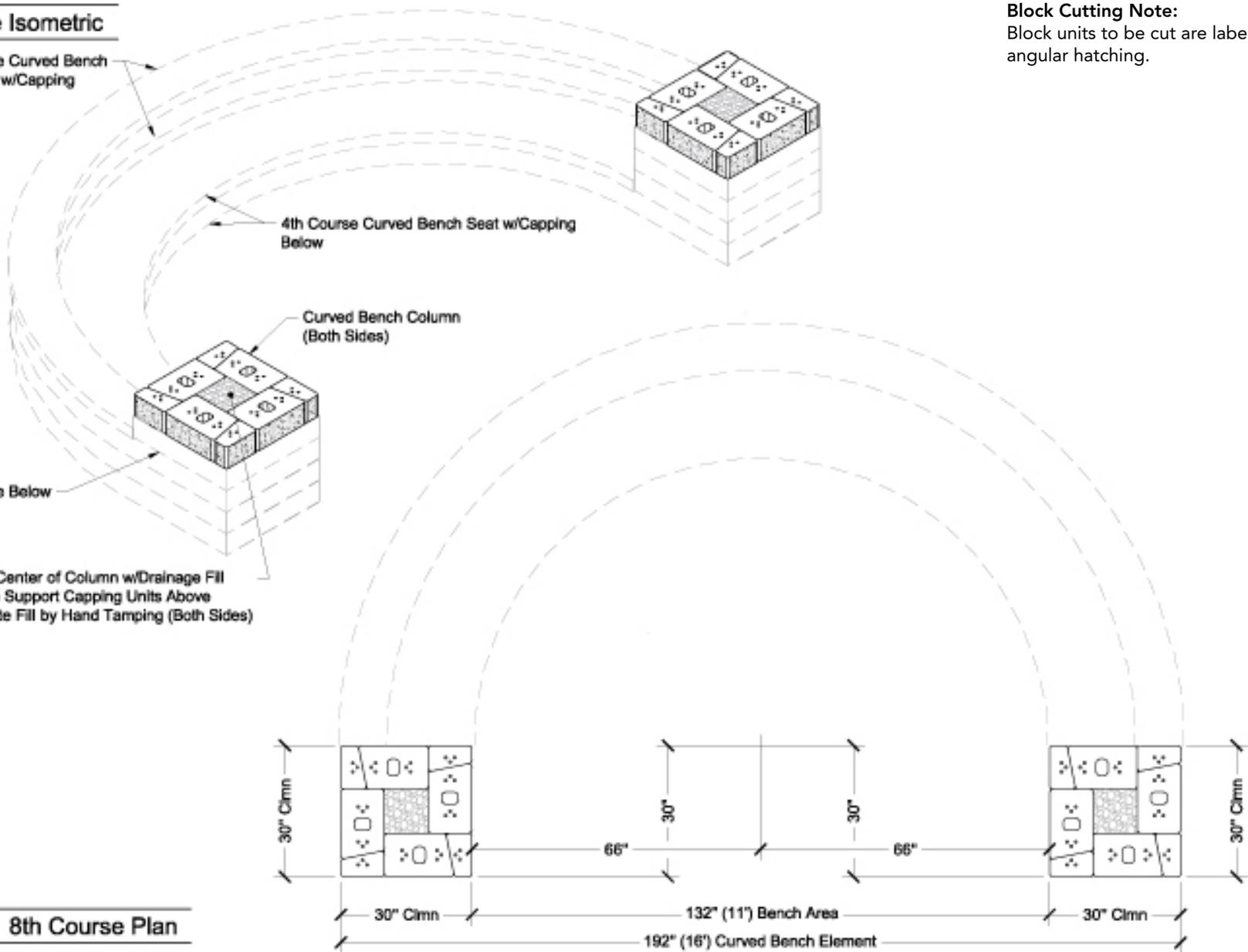
4th Course Curved Bench Seat w/Capping Below

Curved Bench Column (Both Sides)

7th Course Below

Fill Open Center of Column w/Drainage Fill Material to Support Capping Units Above Consolidate Fill by Hand Tamping (Both Sides)

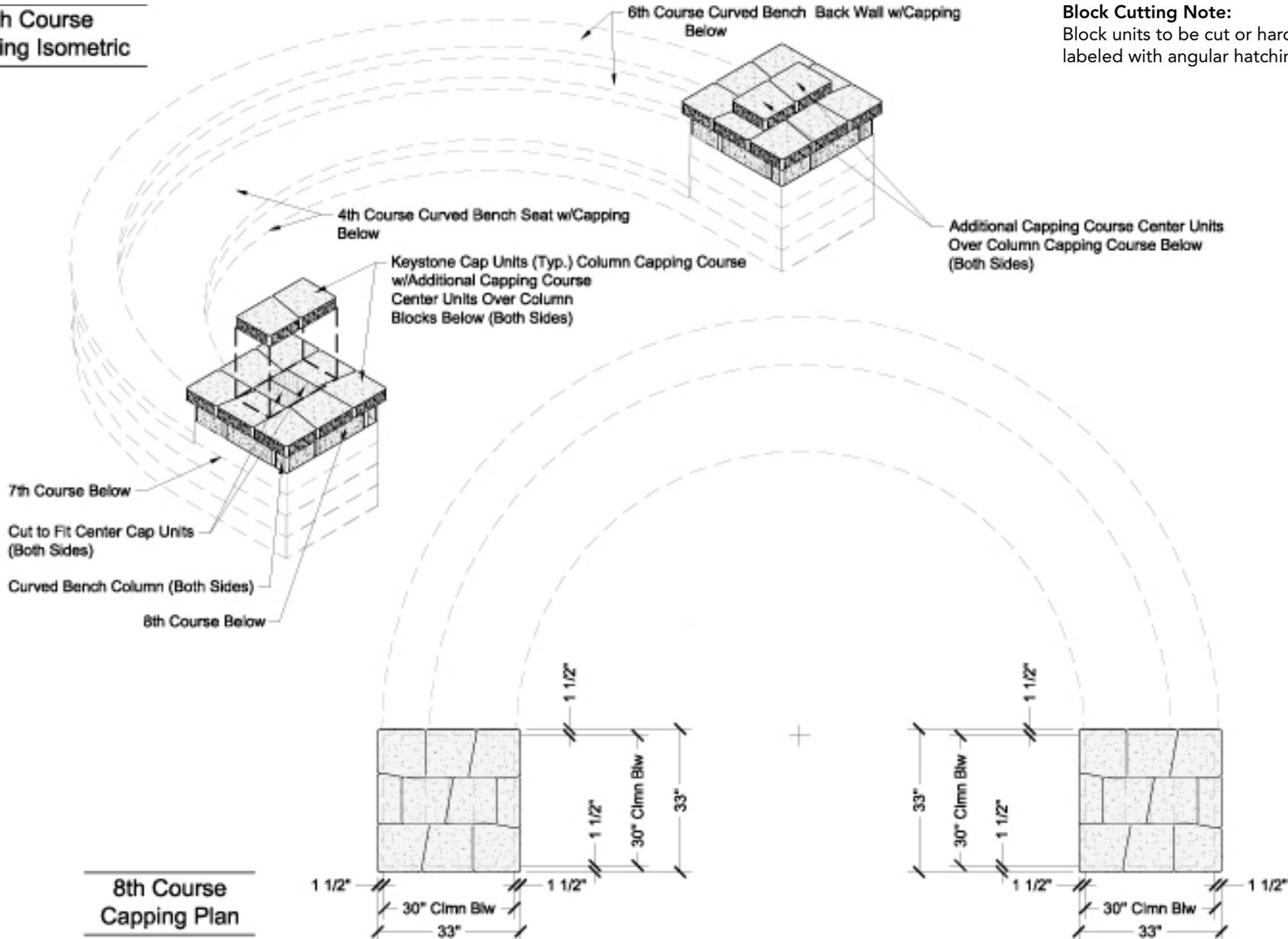
Block Cutting Note:
Block units to be cut are labeled with angular hatching.



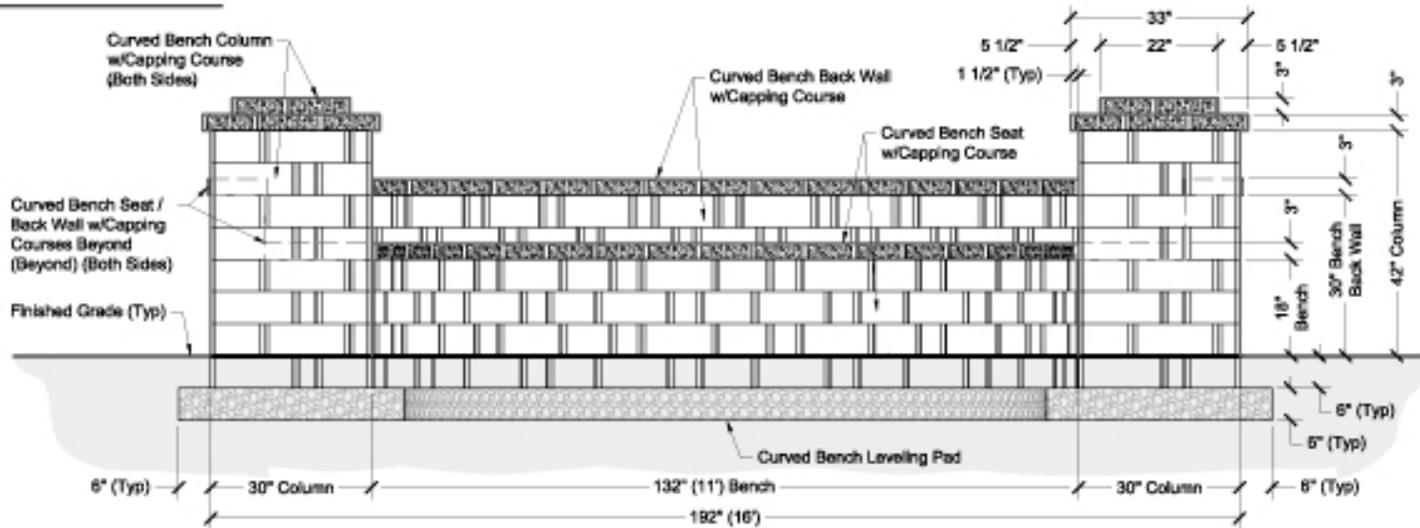
8th Course Plan

8th Course Capping Isometric

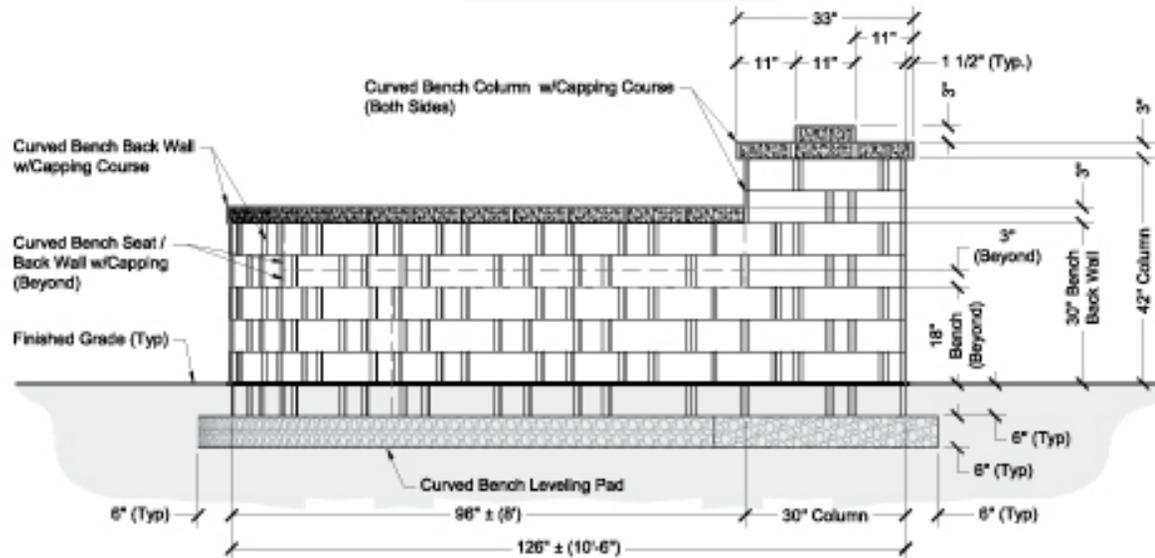
Block Cutting Note:
Block units to be cut or hard split are labeled with angular hatching.



Completed Elevation Views



FRONT ELEVATION



SIDE ELEVATION