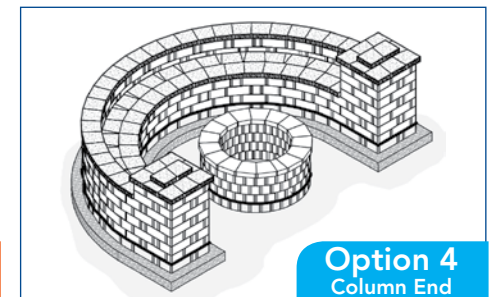
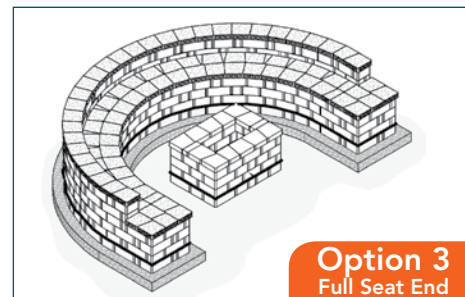
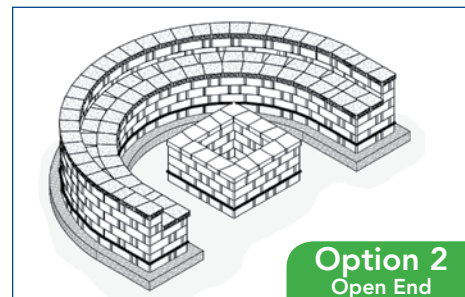
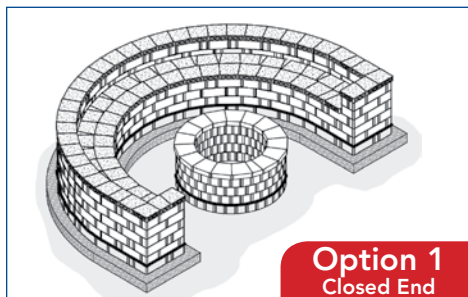




Option 2 - Open End Shown Above








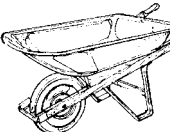

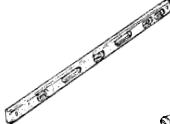






Stonegate

CURVED BENCH DESIGNS
INSTALLATION INSTRUCTIONS

KEYSTONE®
Country Manor®

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

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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

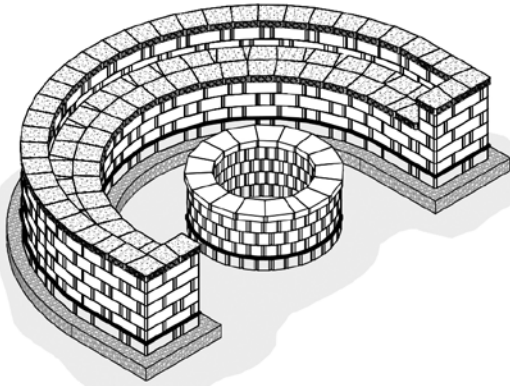
Full Seat End Option Isometric 21
Courses 4 (capping) through 6 22-25
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Option 4 Column End Design

Column End Option Isometric 27
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KEYSTONE OUTDOOR LIVING • CURVED BENCH DESIGNS

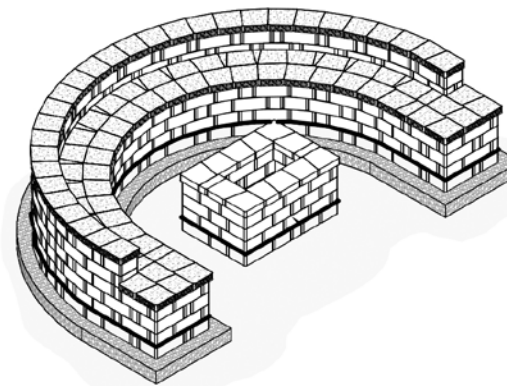
Option 1 Closed End Design



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

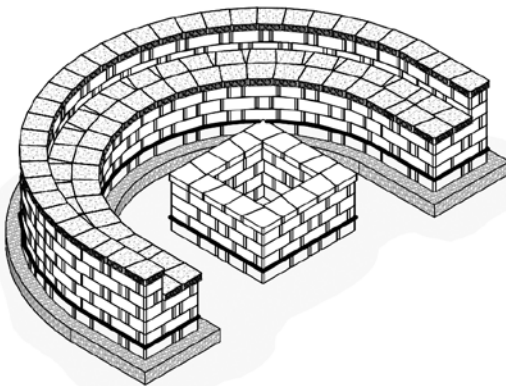
Option 3 Full Seat End Design



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

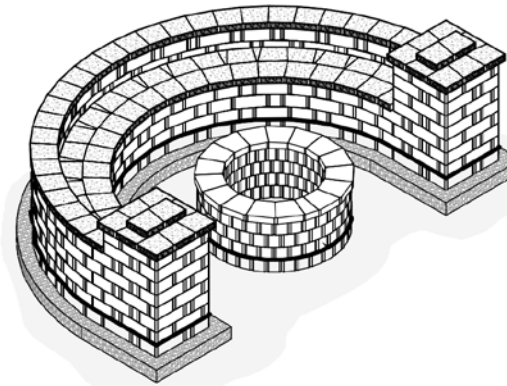
Option 2 Open End Design



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

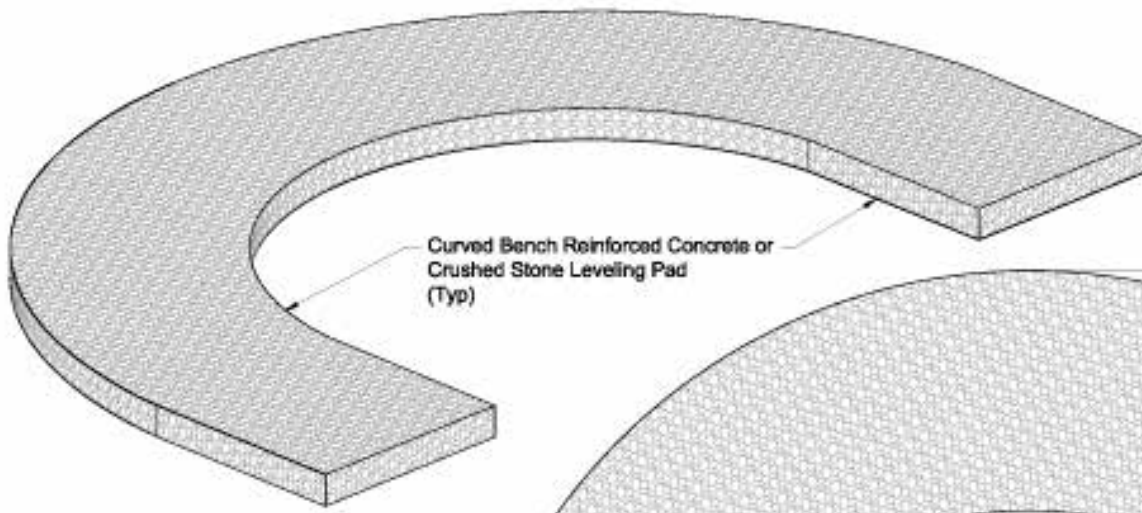
Notes:

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

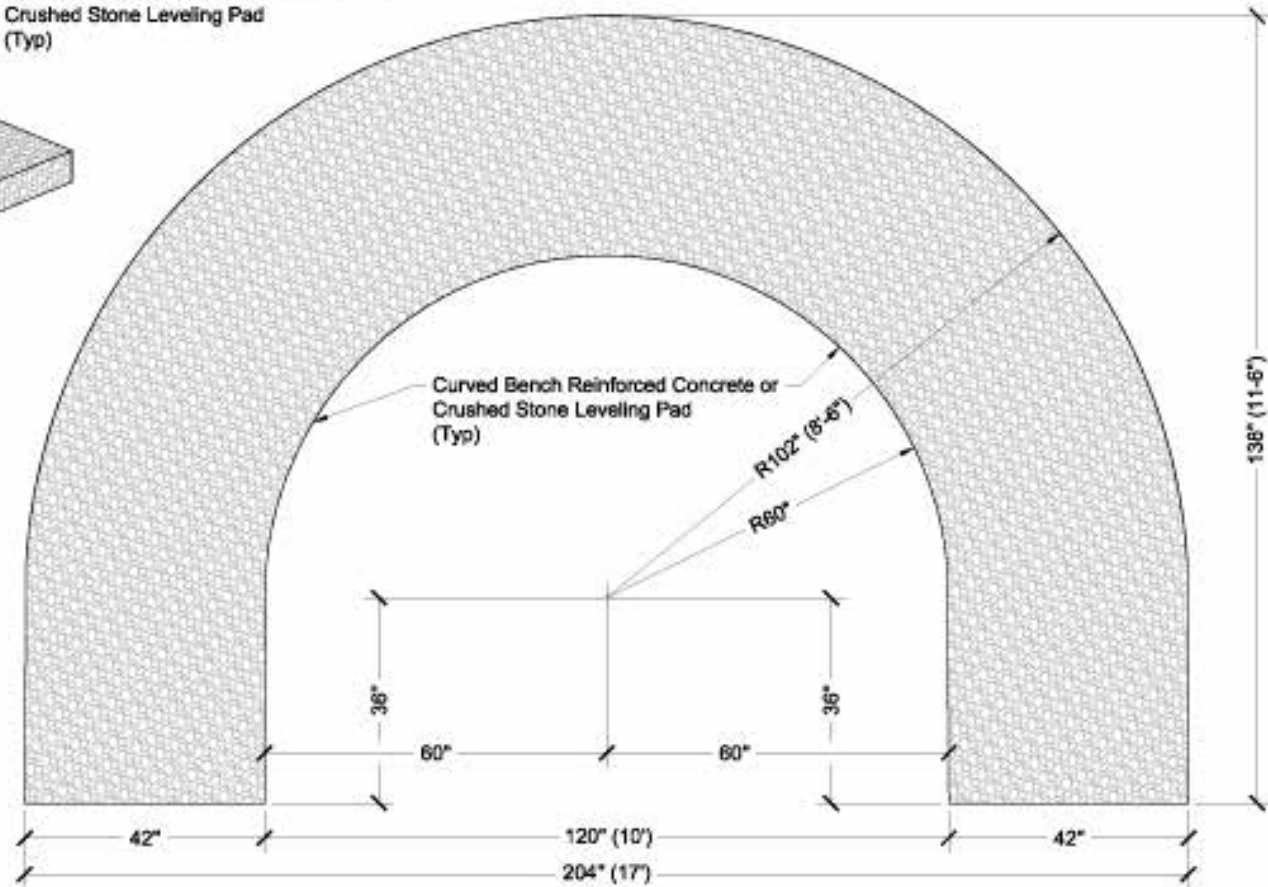
* Keystone recommends the use of its interlocking pins when alignment allows. Use pins in conjunction with exterior grade construction adhesive to maximize stability of your structure.

COURSE BY COURSE INSTRUCTIONS

Foundation Isometric

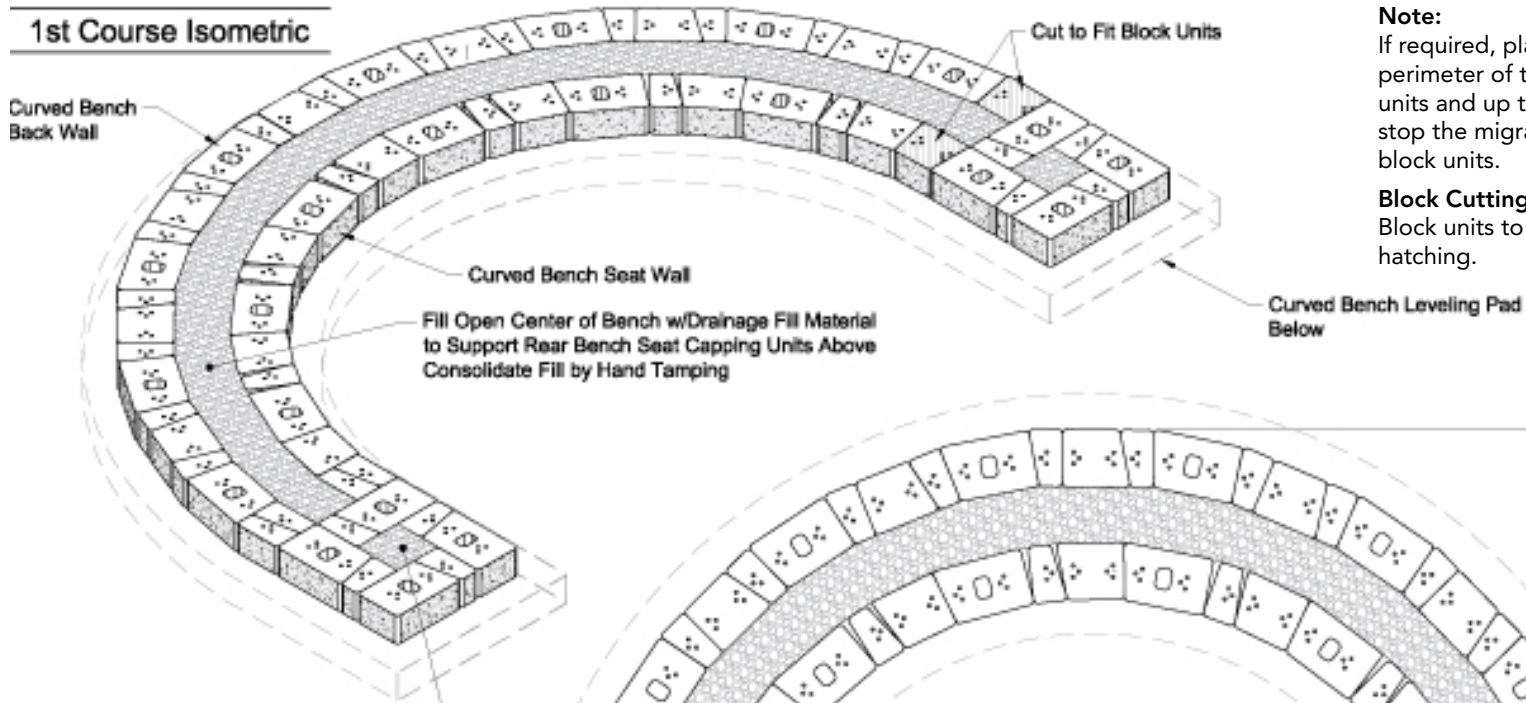


Foundation Plan



COURSE BY COURSE INSTRUCTIONS

1st Course Isometric



Note:

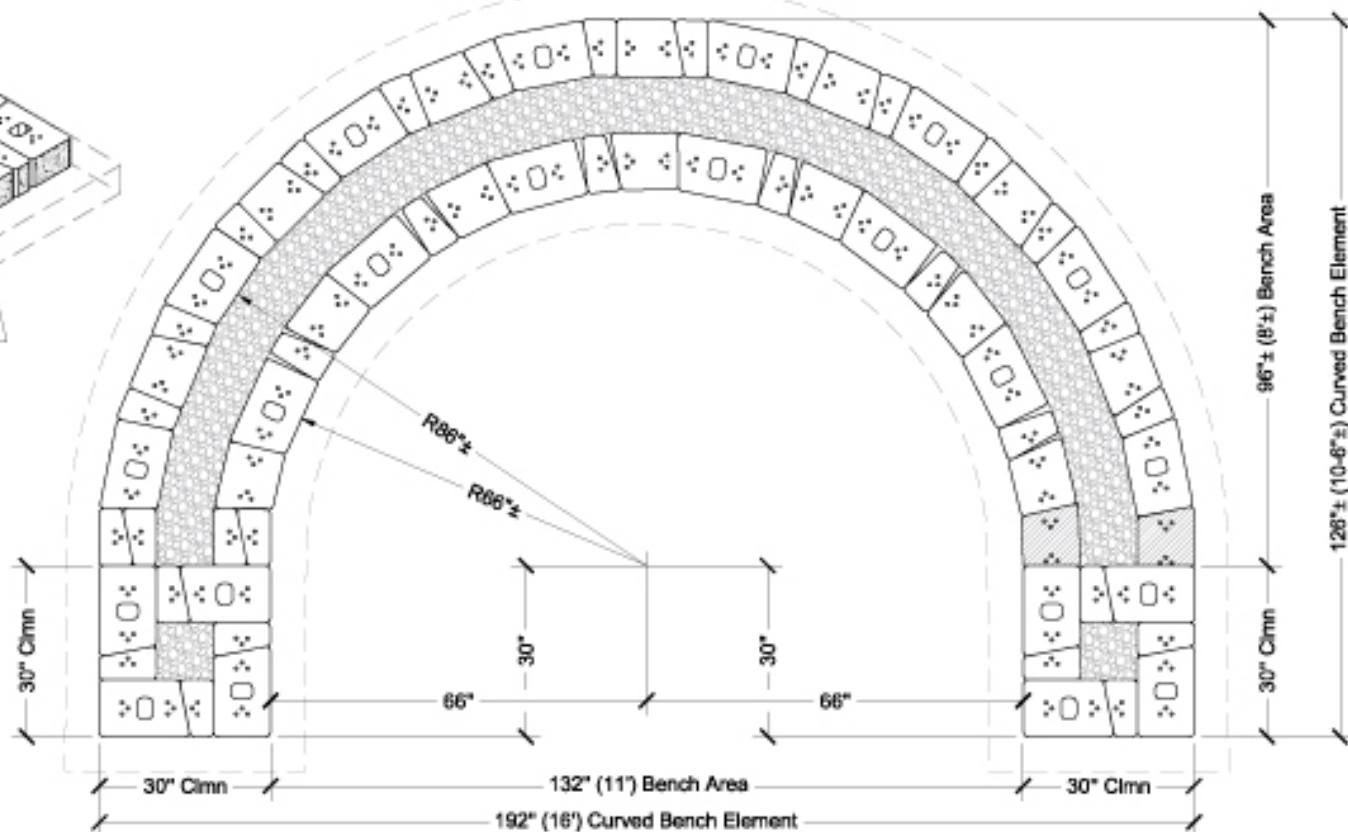
If required, place geotextile fabric around the perimeter of the inside open area against the block units and up to the 4th course capping course to stop the migration of the fill material between the block units.

Block Cutting Note:

Block units to be cut are labeled with angular hatching.

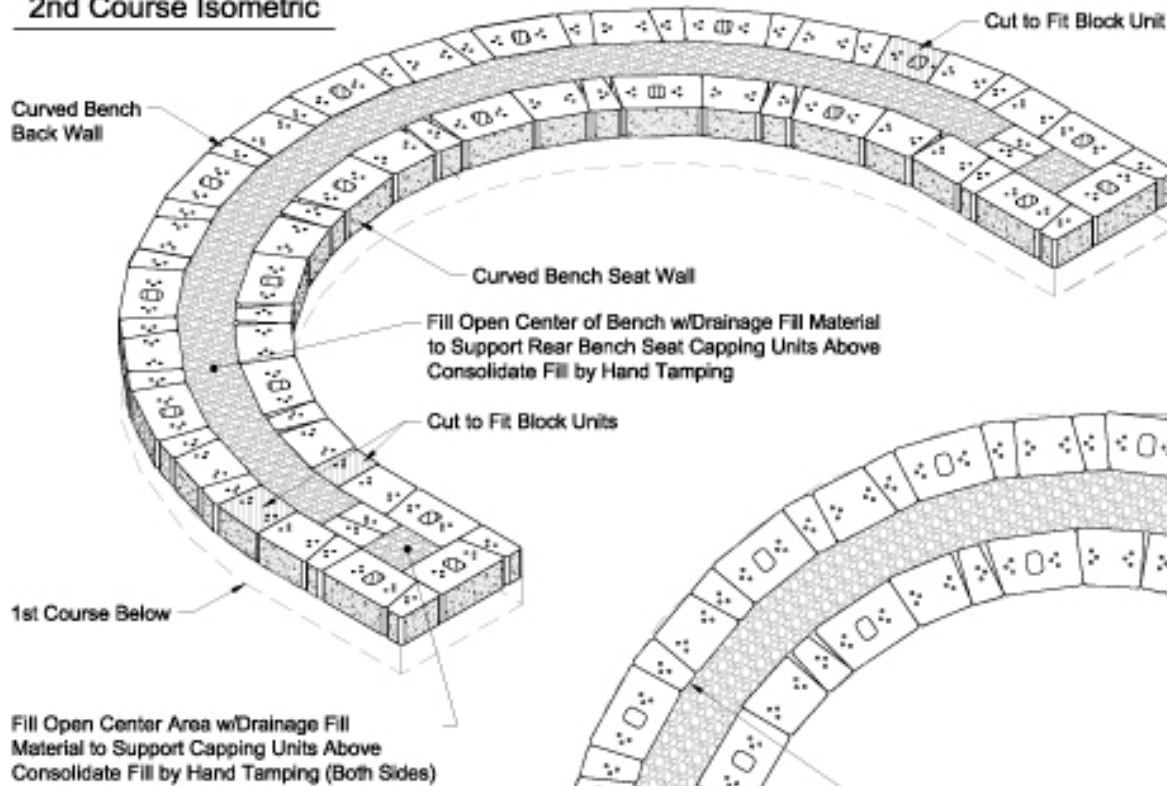
Fill Open Center Area w/Drainage Fill Material to Support Capping Units Above Consolidate Fill by Hand Tamping (Both Sides)

1st Course Plan



COURSE BY COURSE INSTRUCTIONS

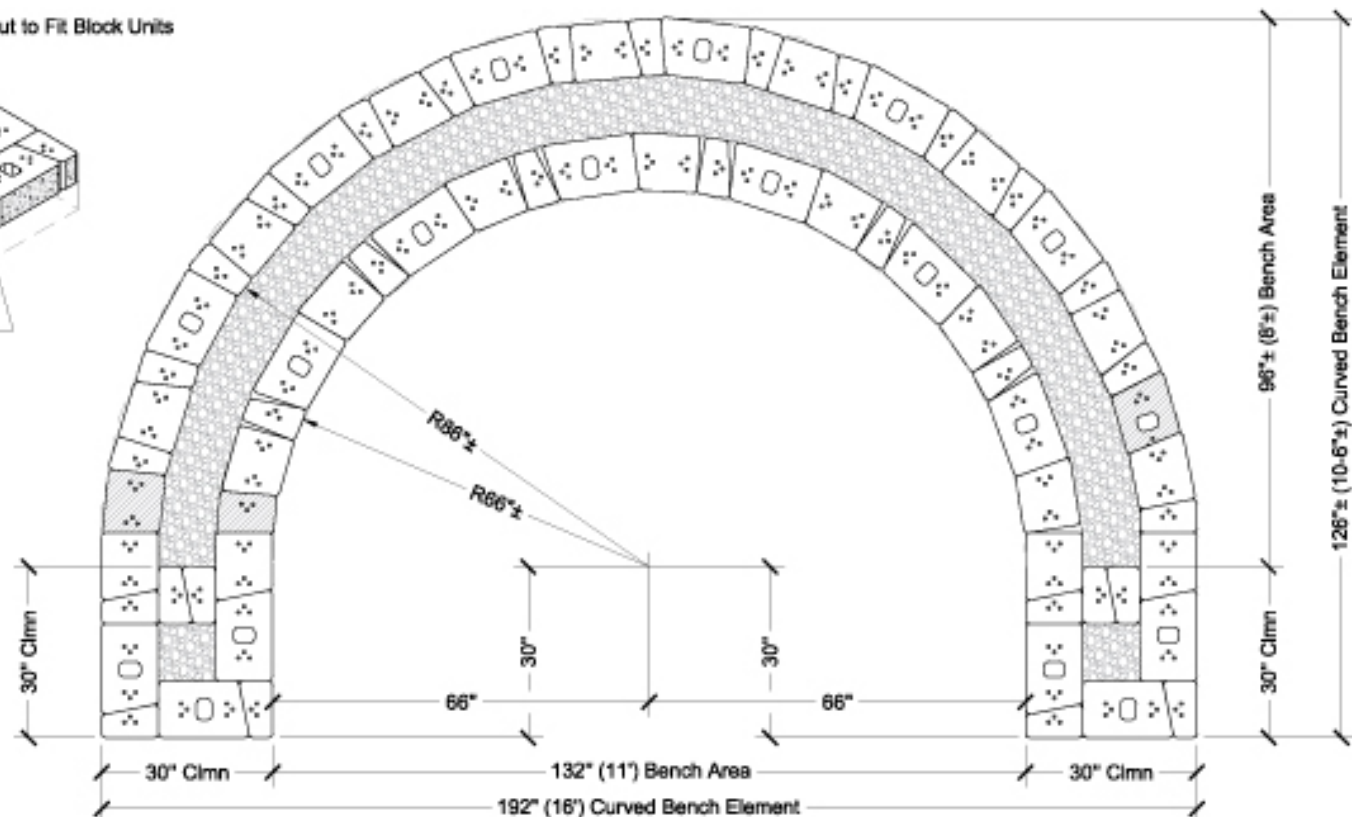
2nd Course Isometric



Block Cutting Note:

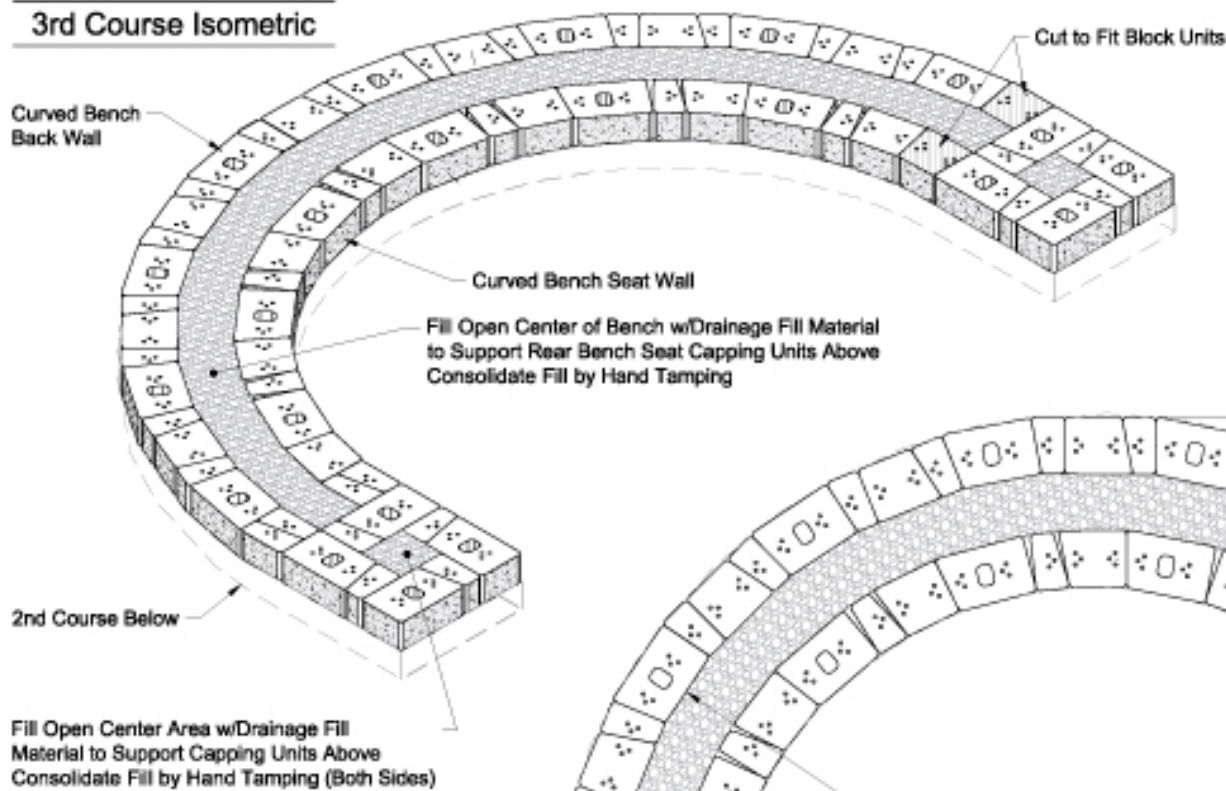
Block units to be cut are labeled with angular hatching.

2nd Course Plan



COURSE BY COURSE INSTRUCTIONS

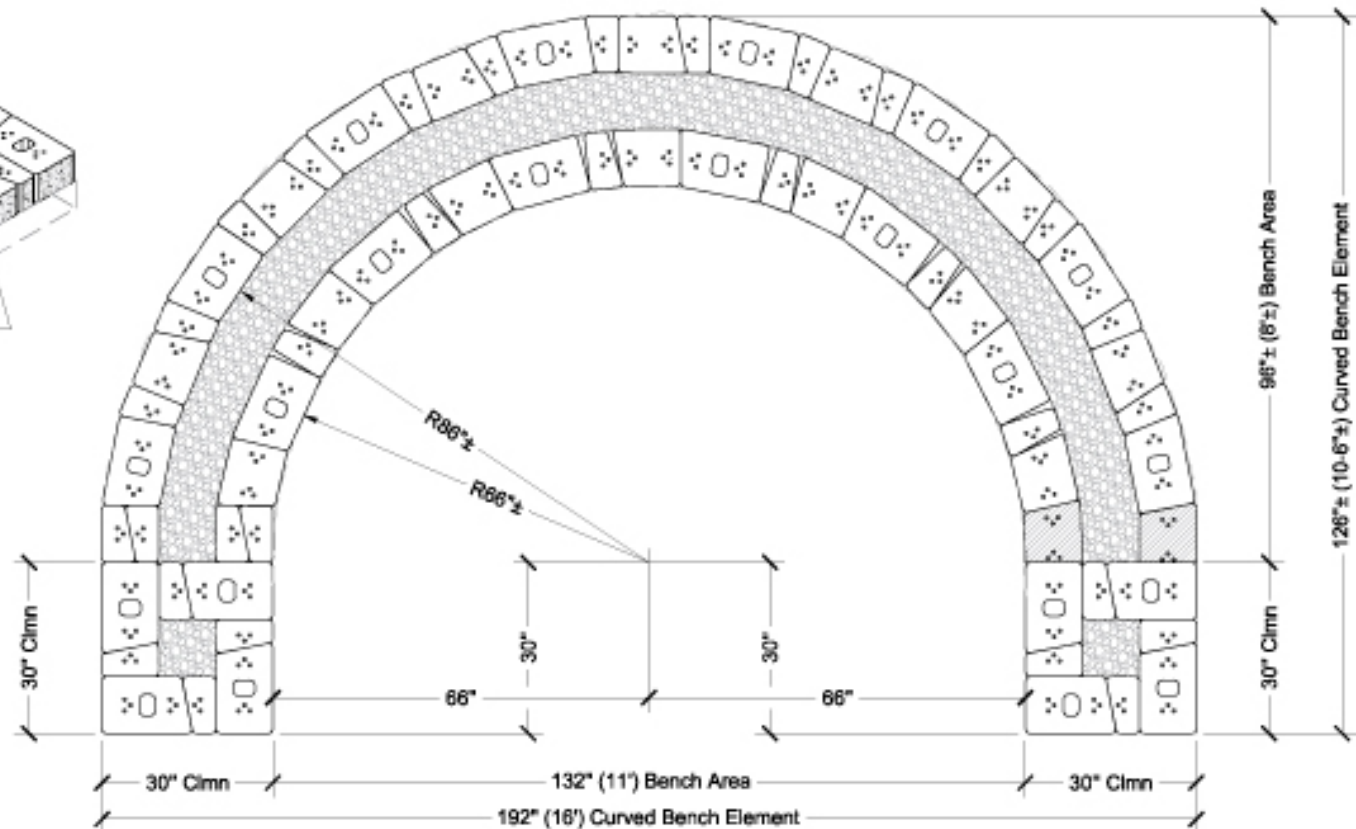
3rd Course Isometric



Block Cutting Note:

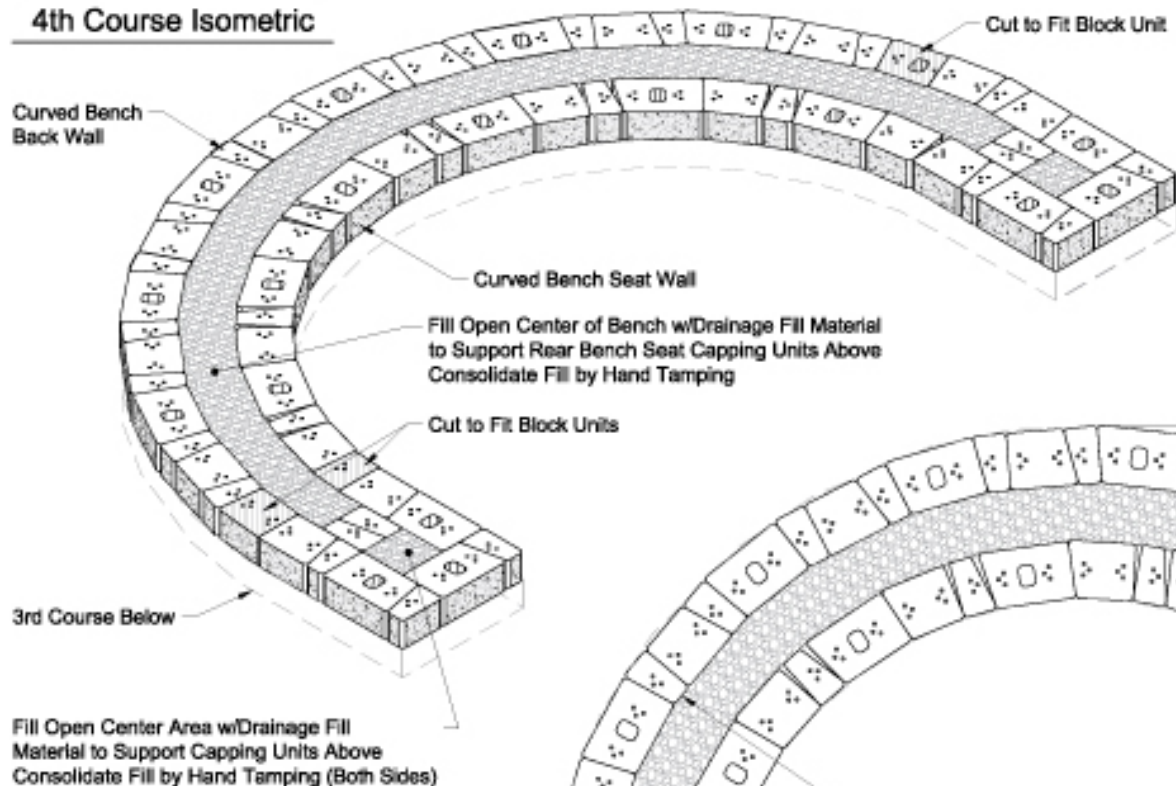
Block units to be cut are labeled with angular hatching.

3rd Course Plan



COURSE BY COURSE INSTRUCTIONS

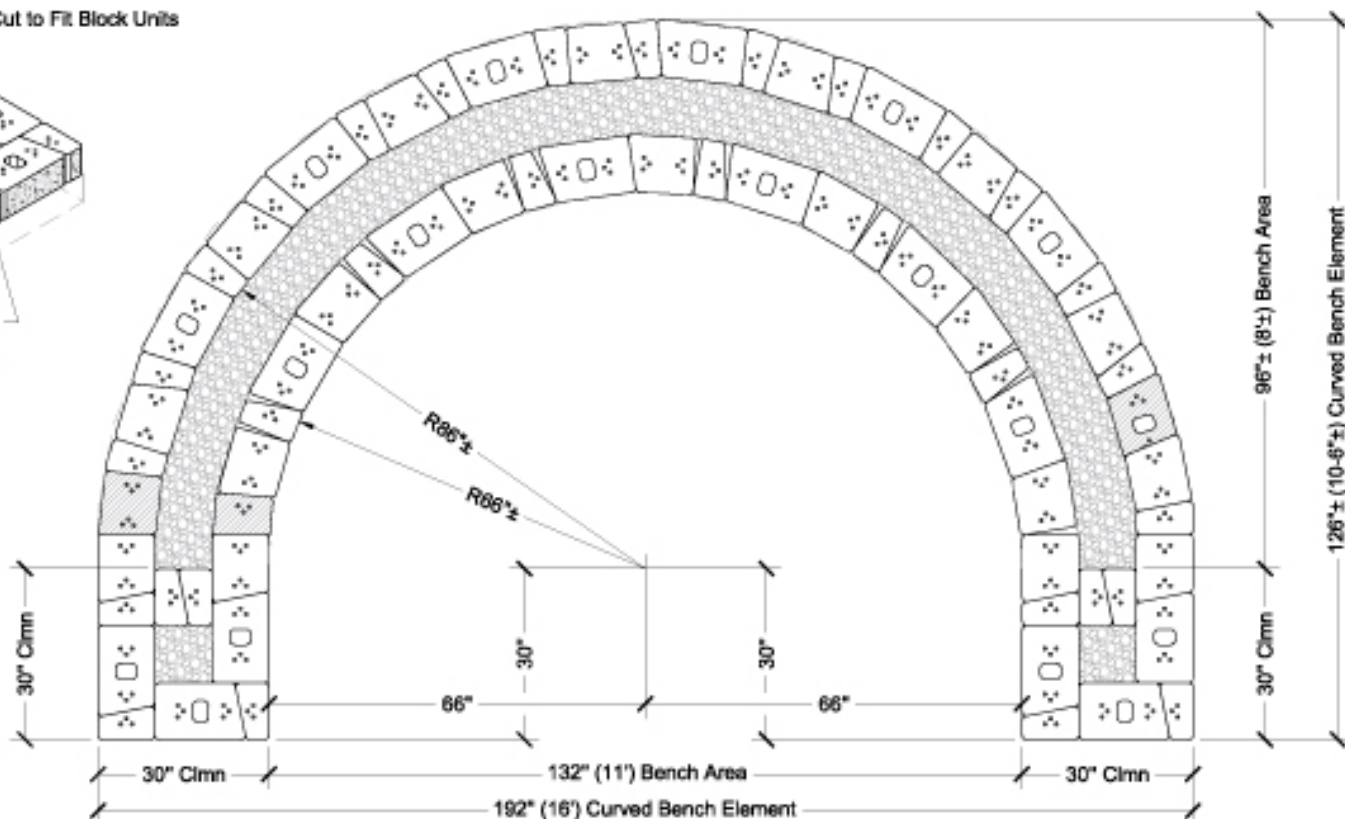
4th Course Isometric



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

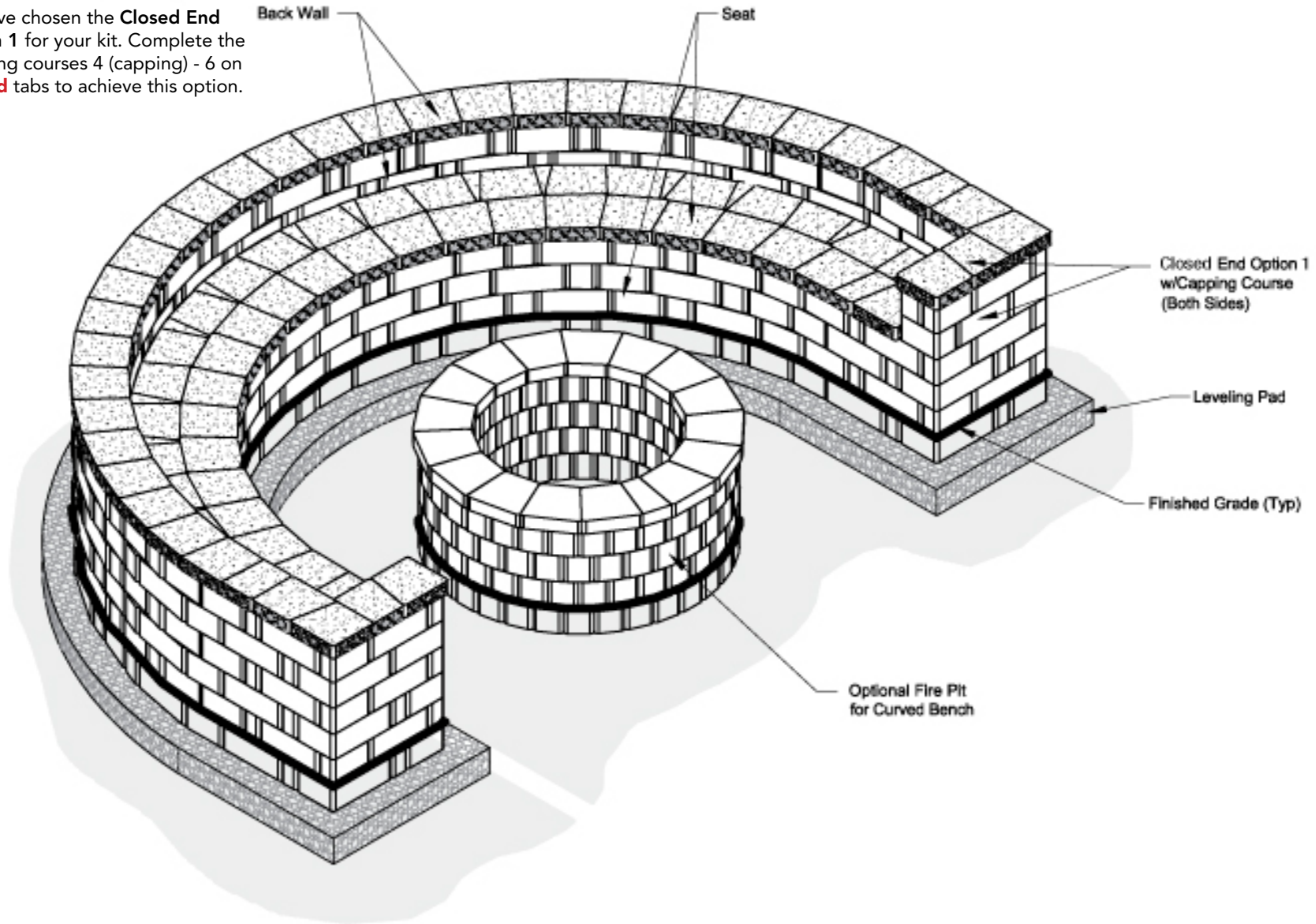
Option 4
Column End Design

➤ 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.

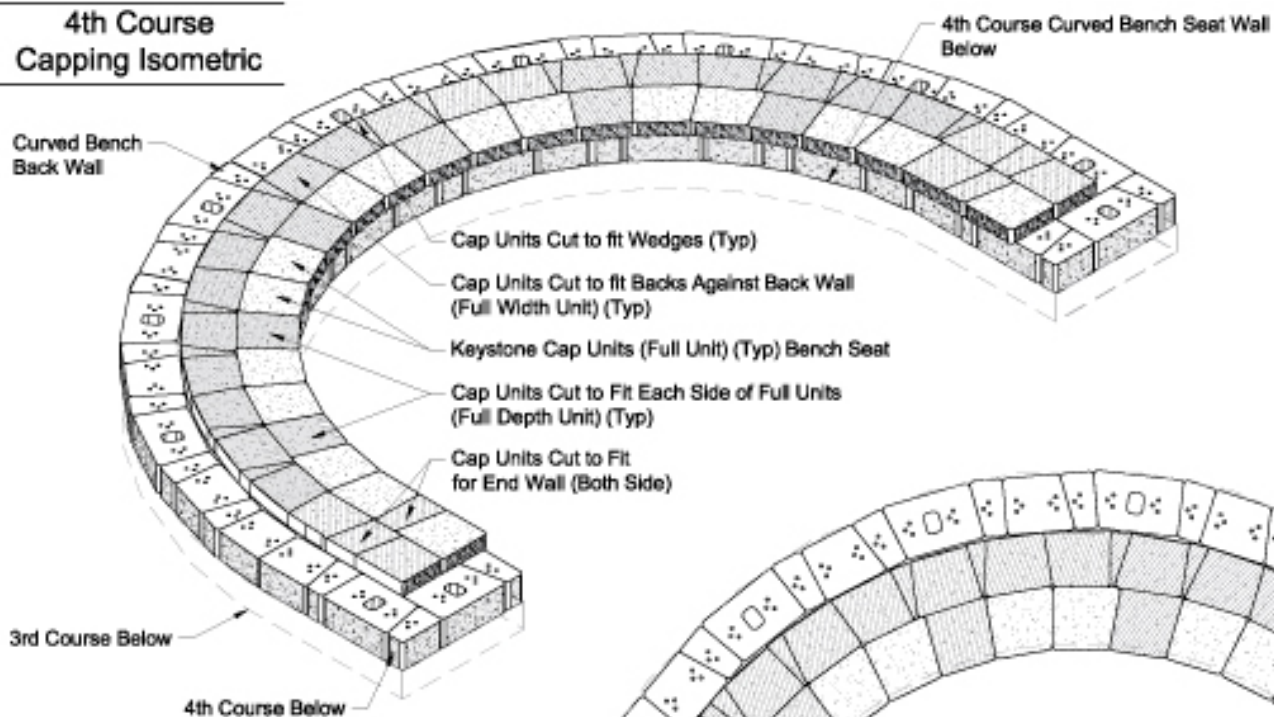
Option 1



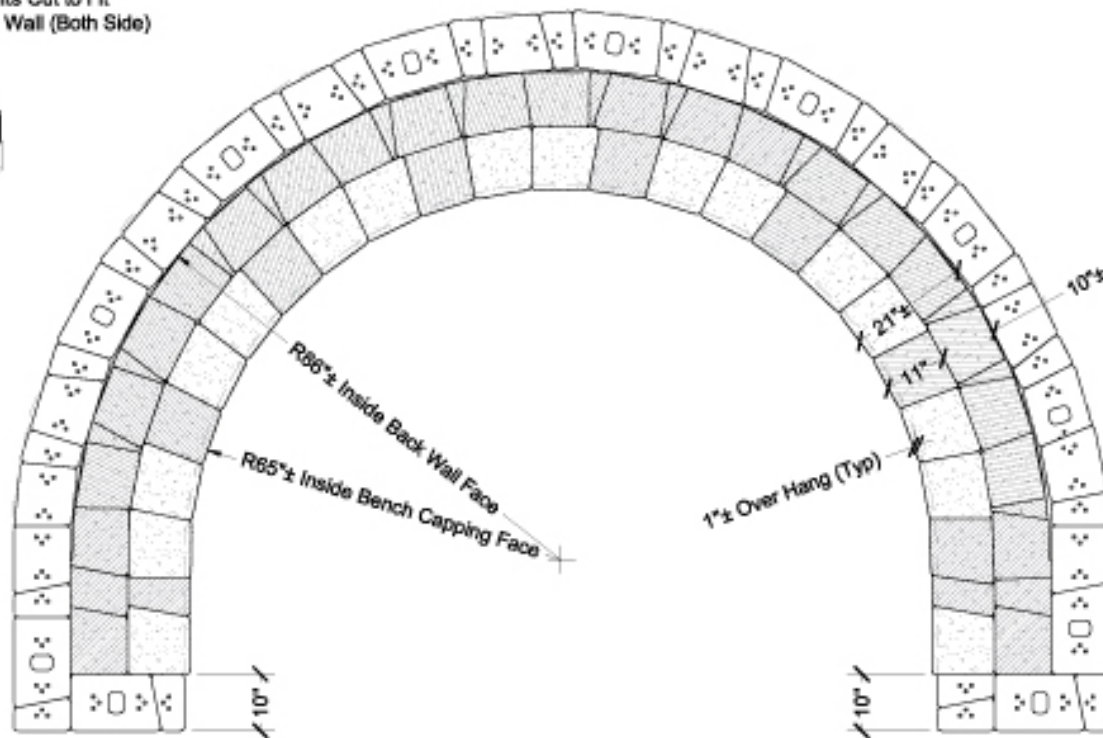
COURSE BY COURSE INSTRUCTIONS

Option 1

4th Course Capping Isometric



4th Course Capping Plan



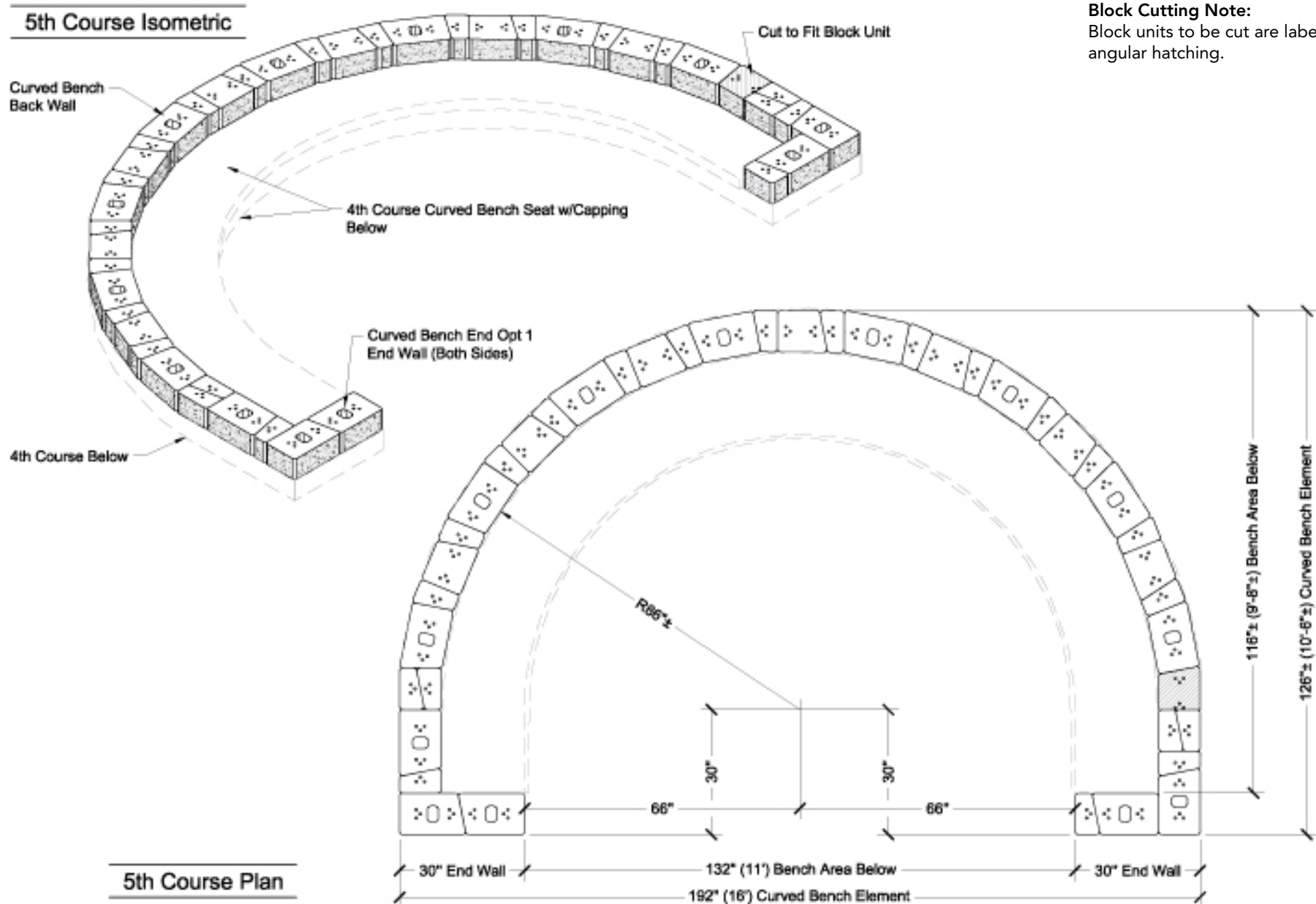
Block Cutting Note:

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.

COURSE BY COURSE INSTRUCTIONS

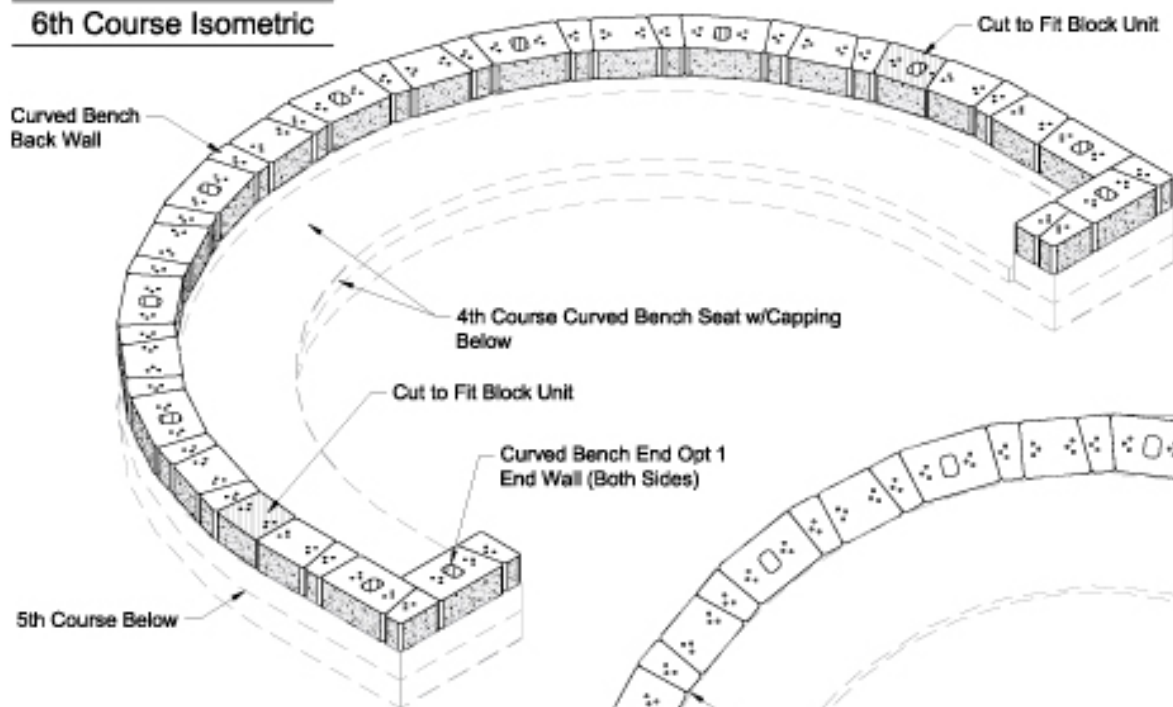


Option 1

COURSE BY COURSE INSTRUCTIONS

Option 1

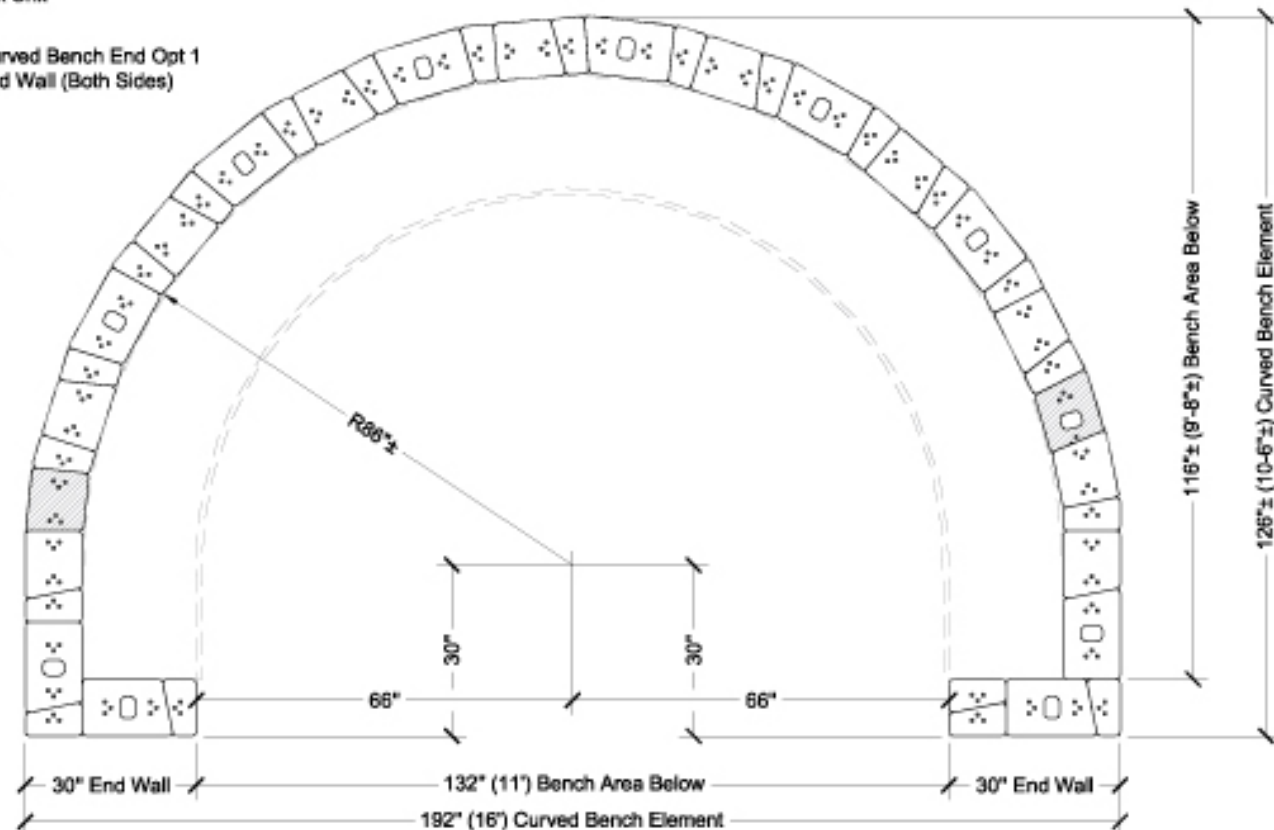
6th Course Isometric



Block Cutting Note:

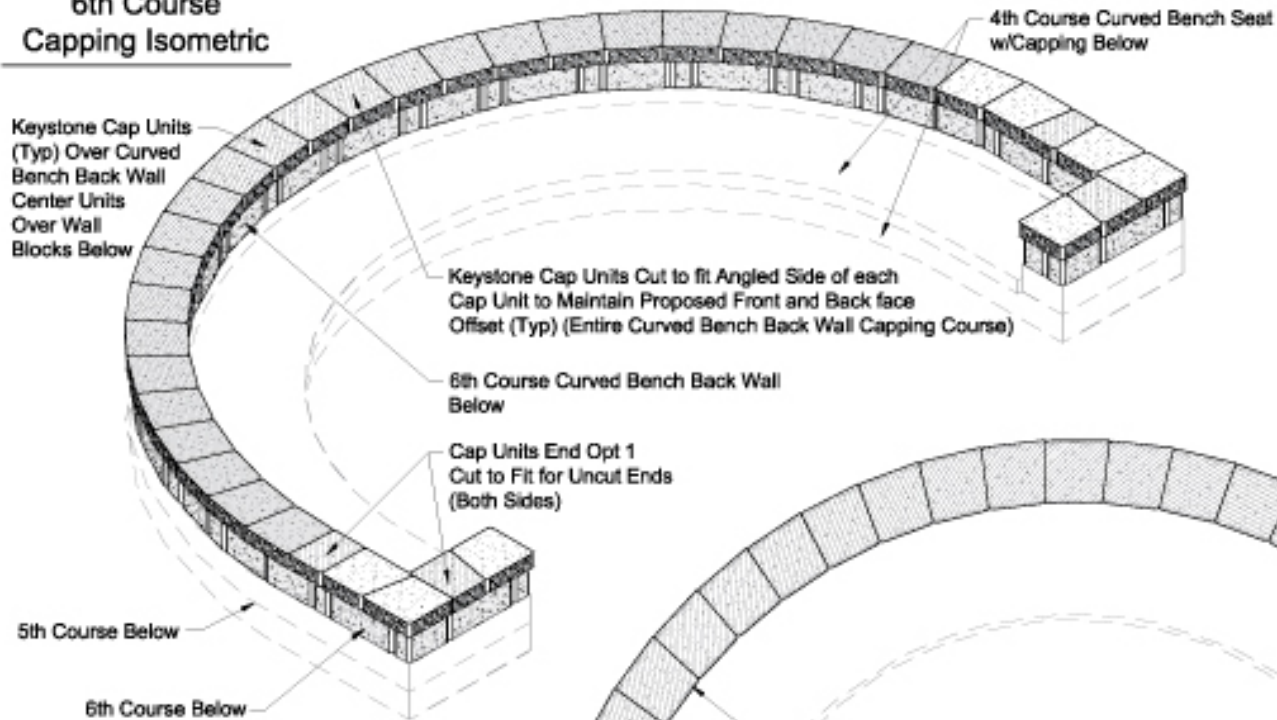
Block units to be cut are labeled with angular hatching.

6th Course Plan



COURSE BY COURSE INSTRUCTIONS

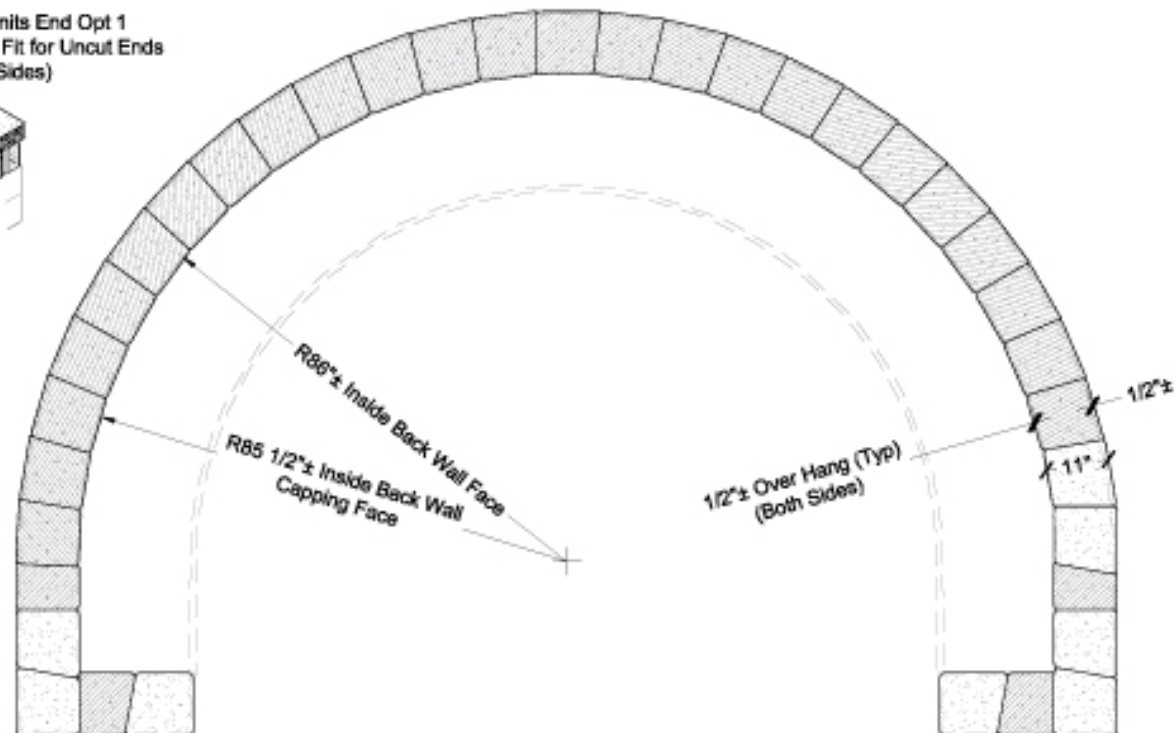
6th Course Capping Isometric



Block Cutting Note:

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

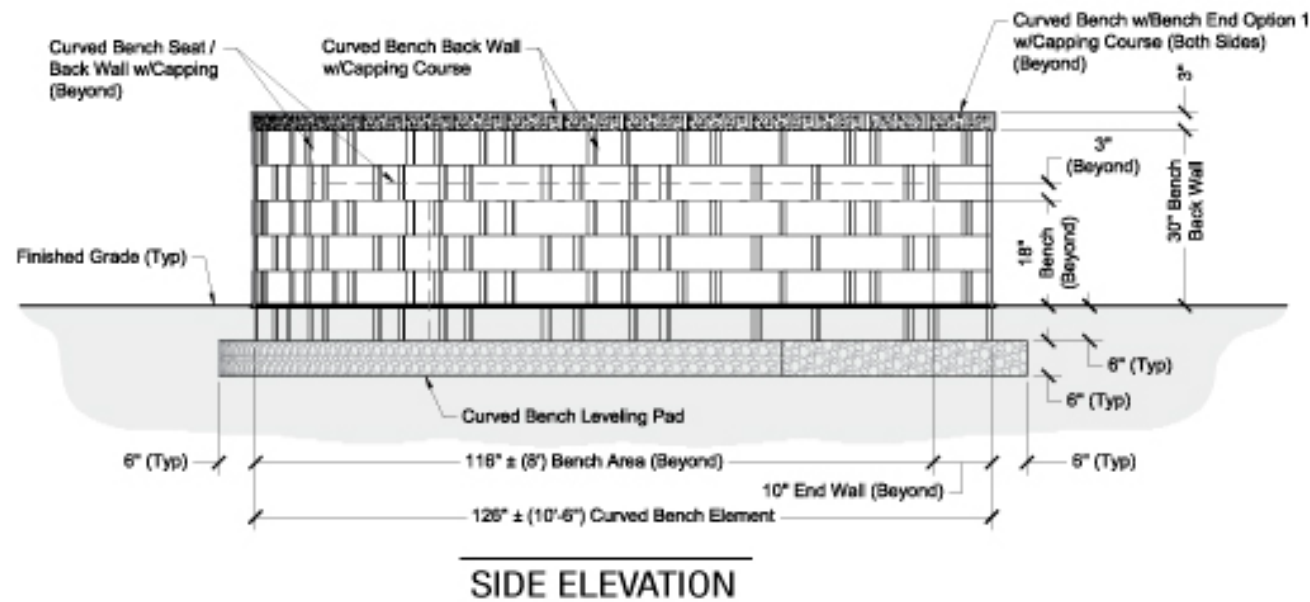
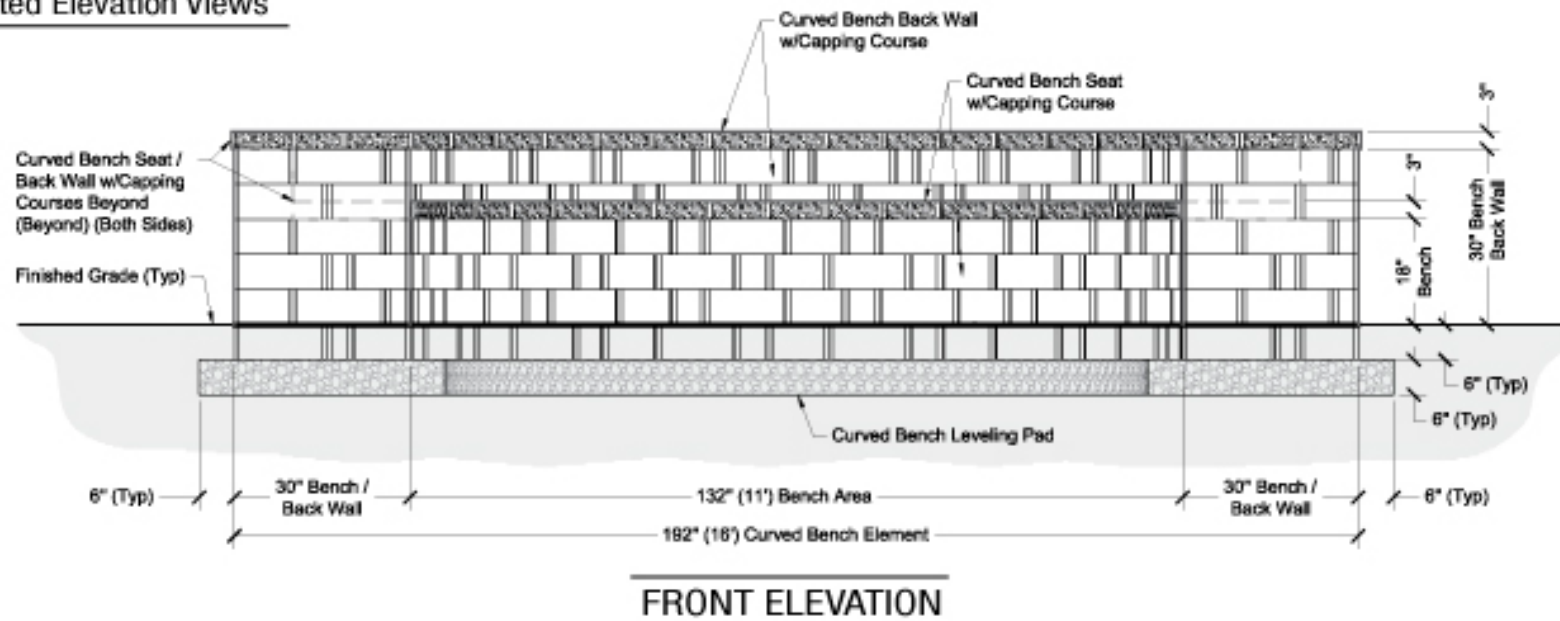
6th Course Capping Plan



COURSE BY COURSE INSTRUCTIONS

Option 1

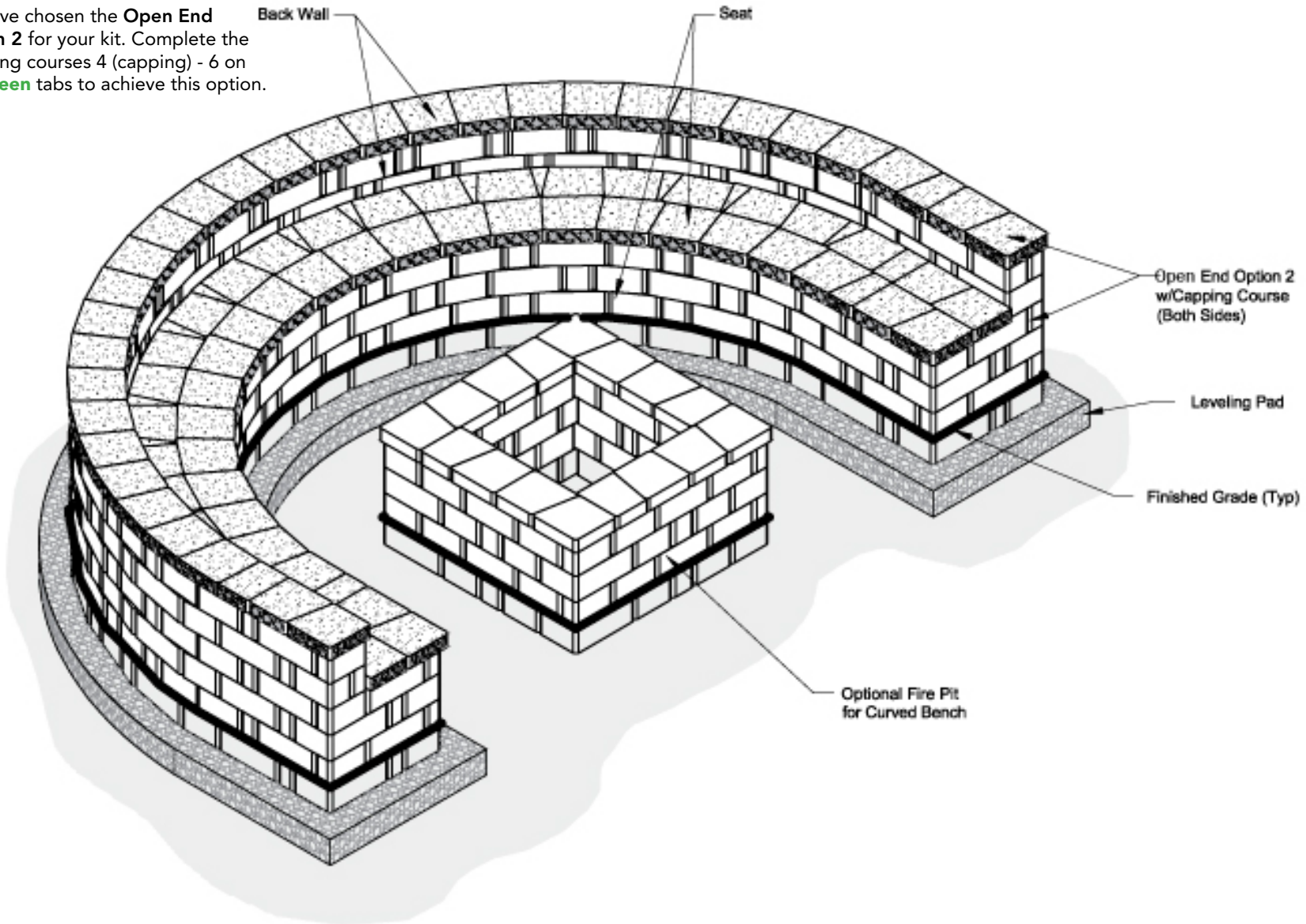
Completed Elevation Views



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.

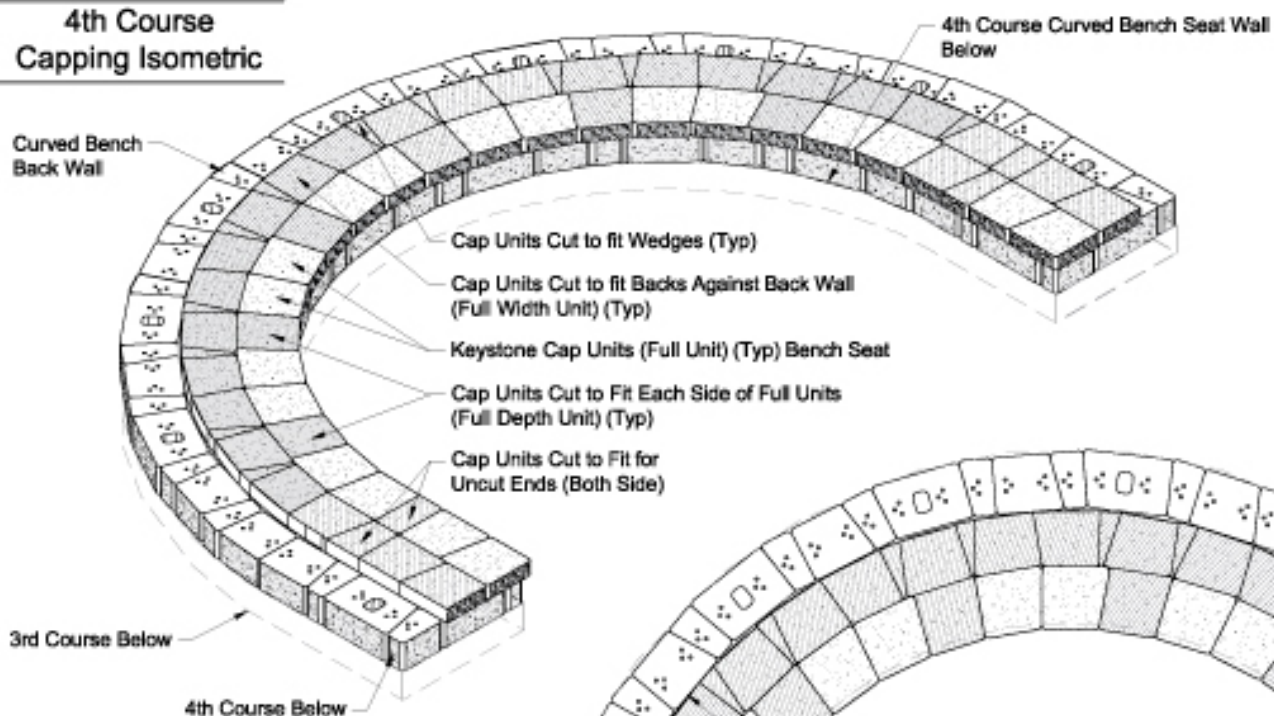
Option 2



COURSE BY COURSE INSTRUCTIONS

Option 2

4th Course Capping Isometric



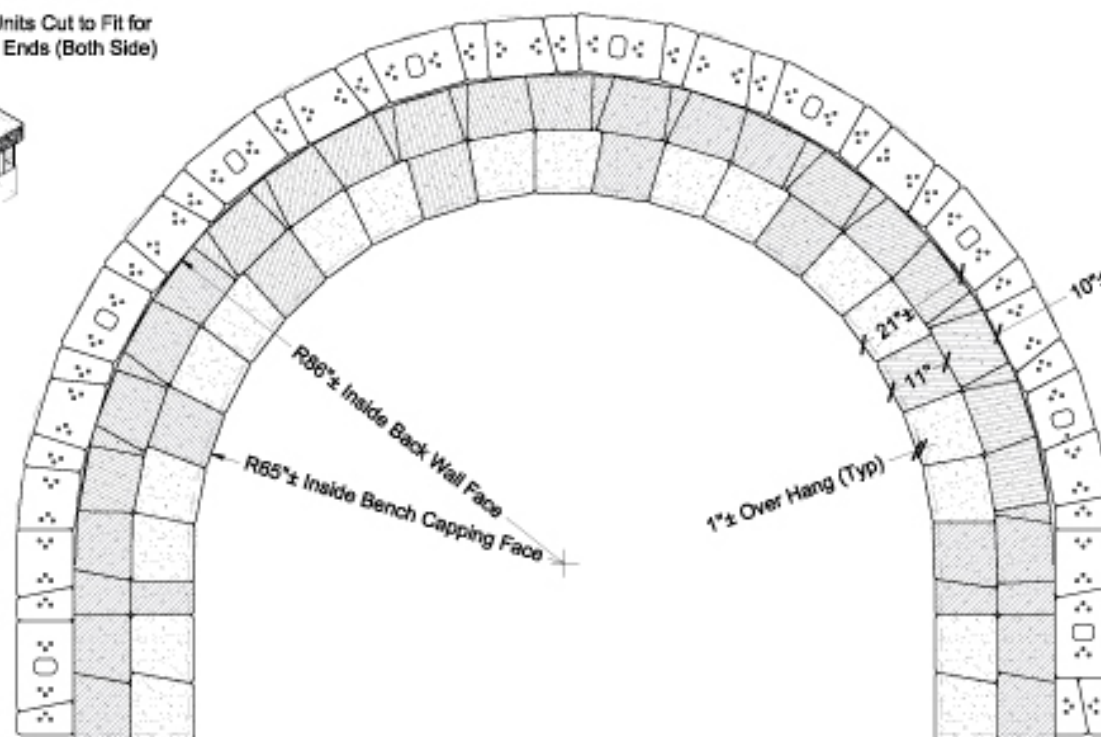
Block Cutting Note:

Cap units to be cut are labeled with angular hatching.

Bench Capping Note:

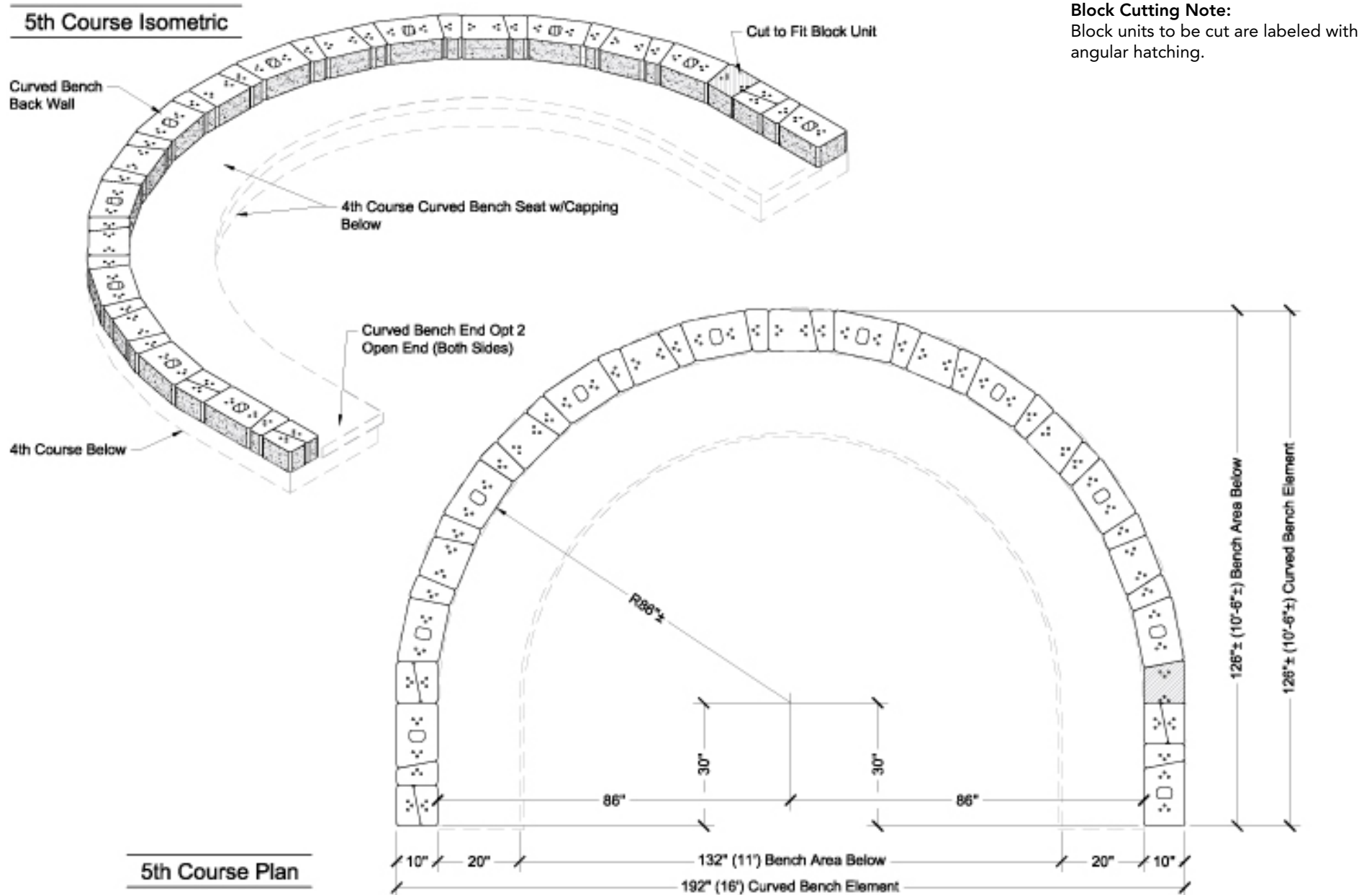
Cut cap units tight to the face of the 5th course back wall block units for best appearance.

4th Course Capping Plan



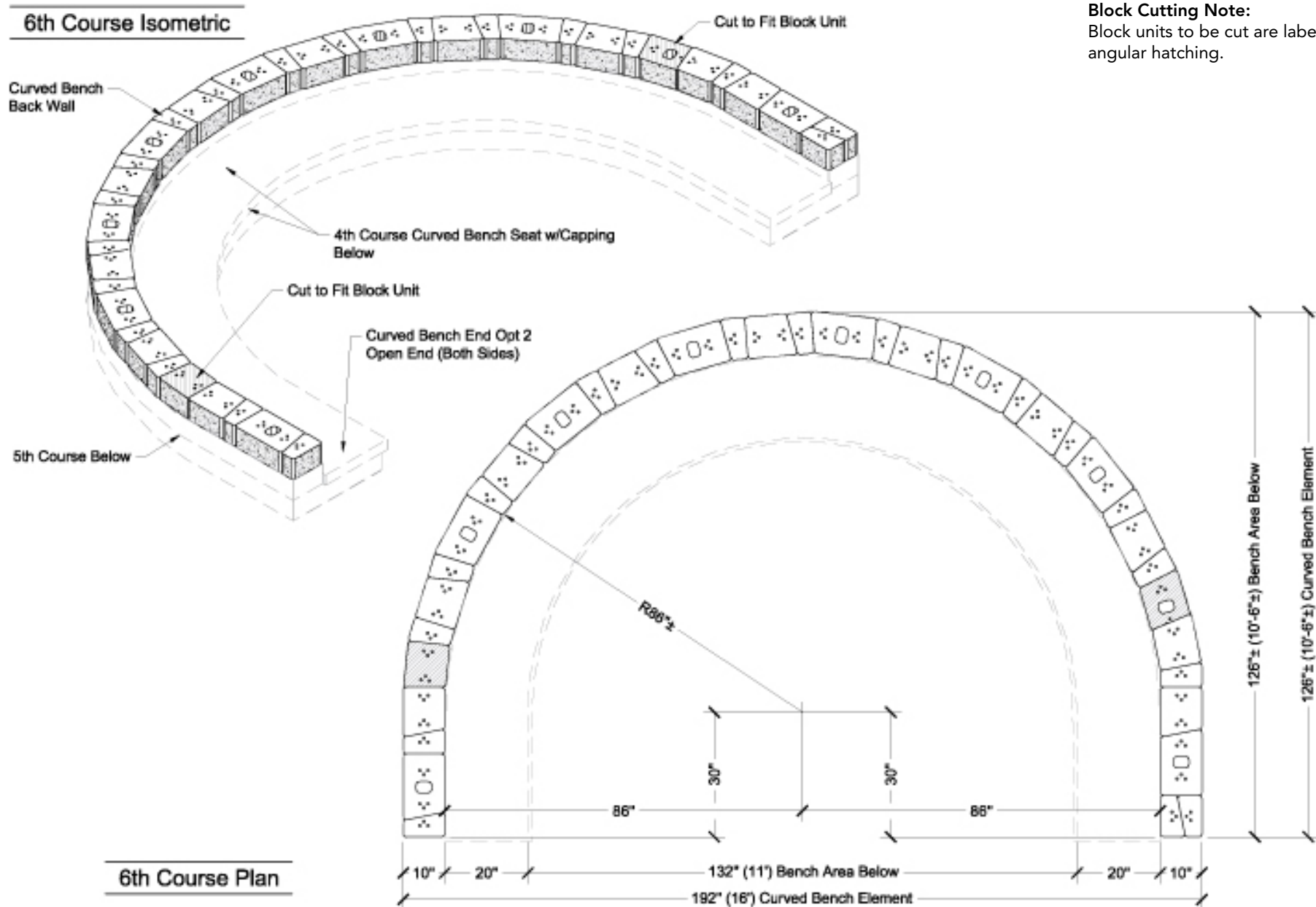
COURSE BY COURSE INSTRUCTIONS

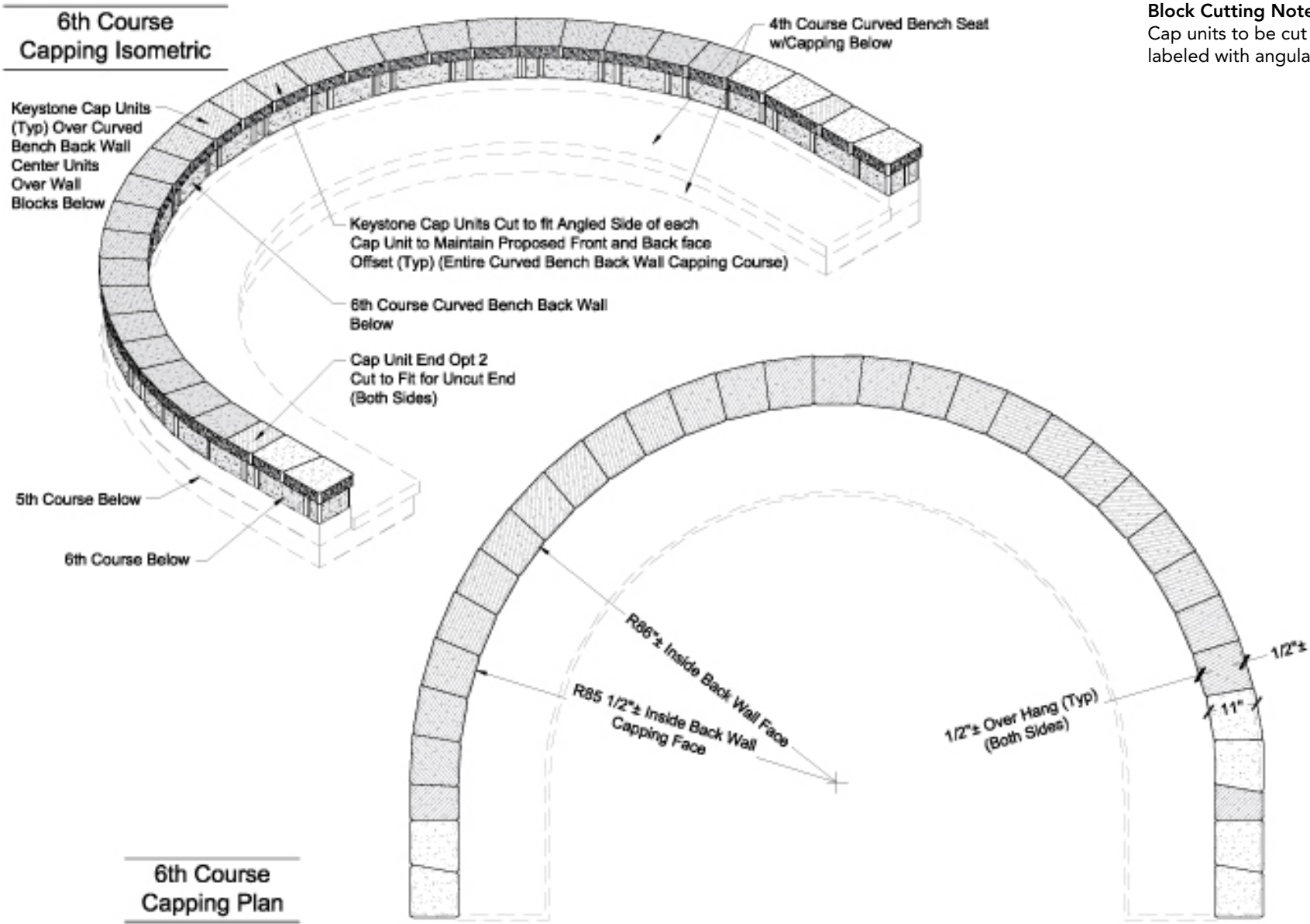
Option 2



COURSE BY COURSE INSTRUCTIONS

Option 2





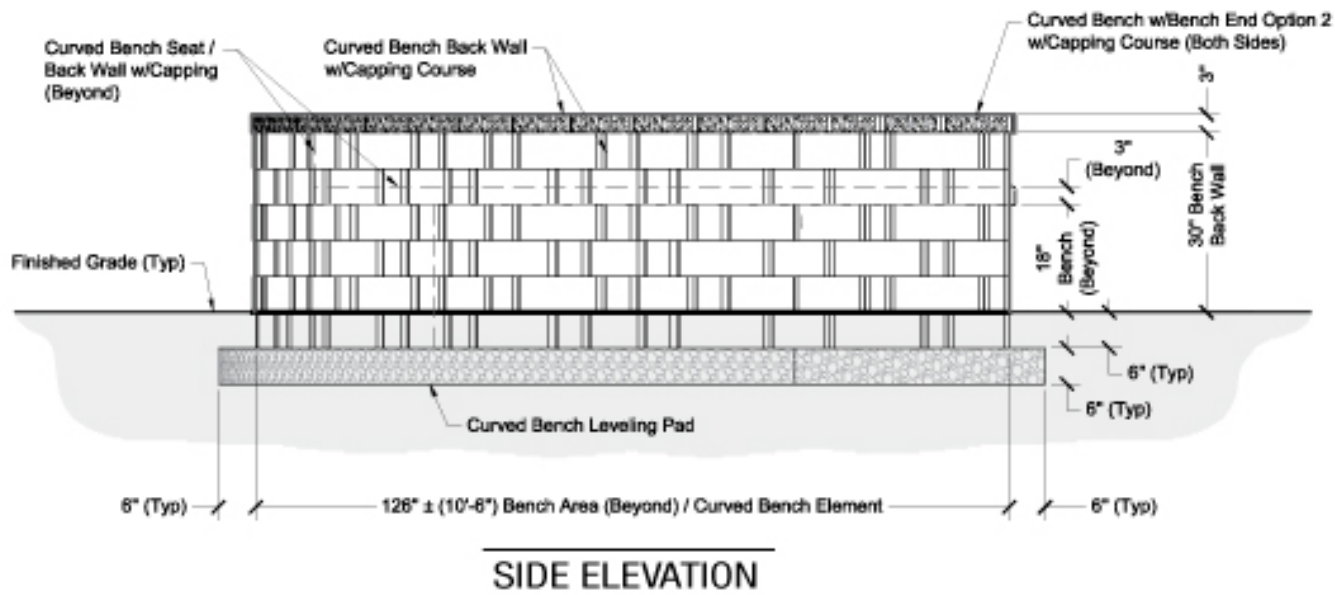
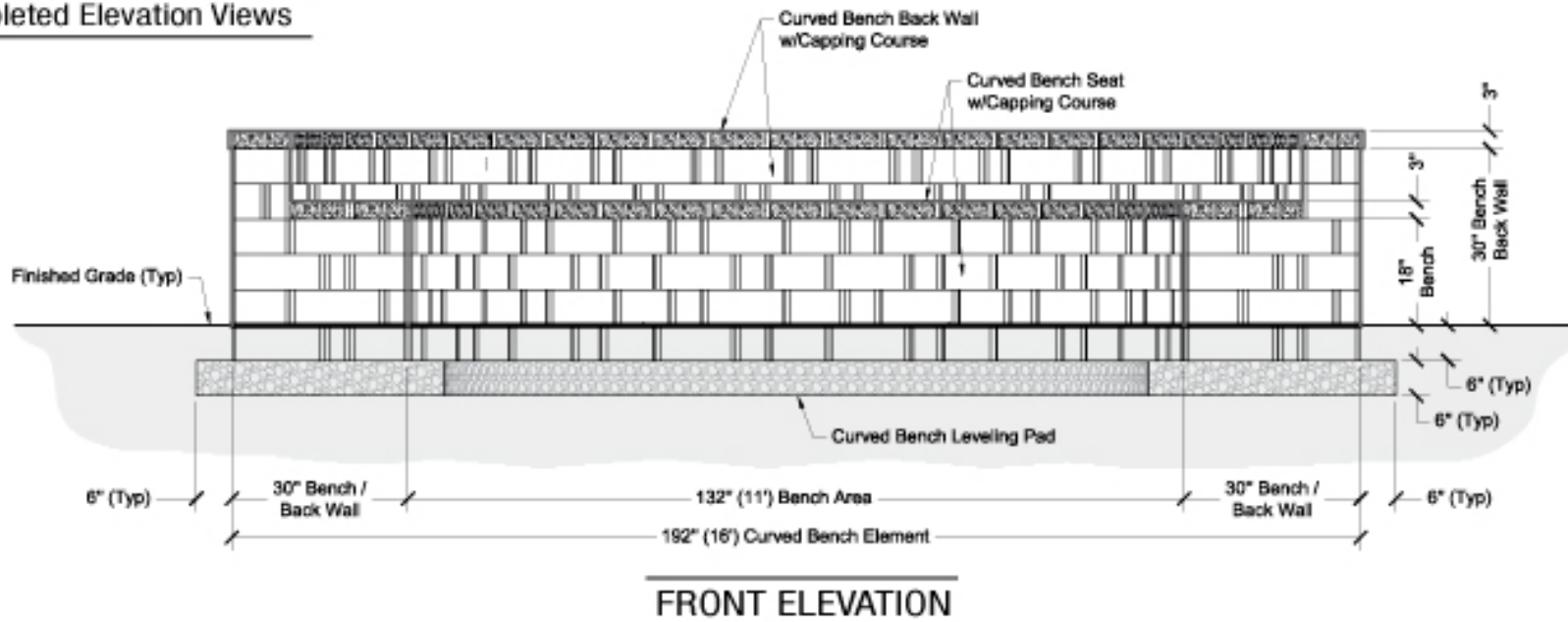
Block Cutting Note:

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

COURSE BY COURSE INSTRUCTIONS

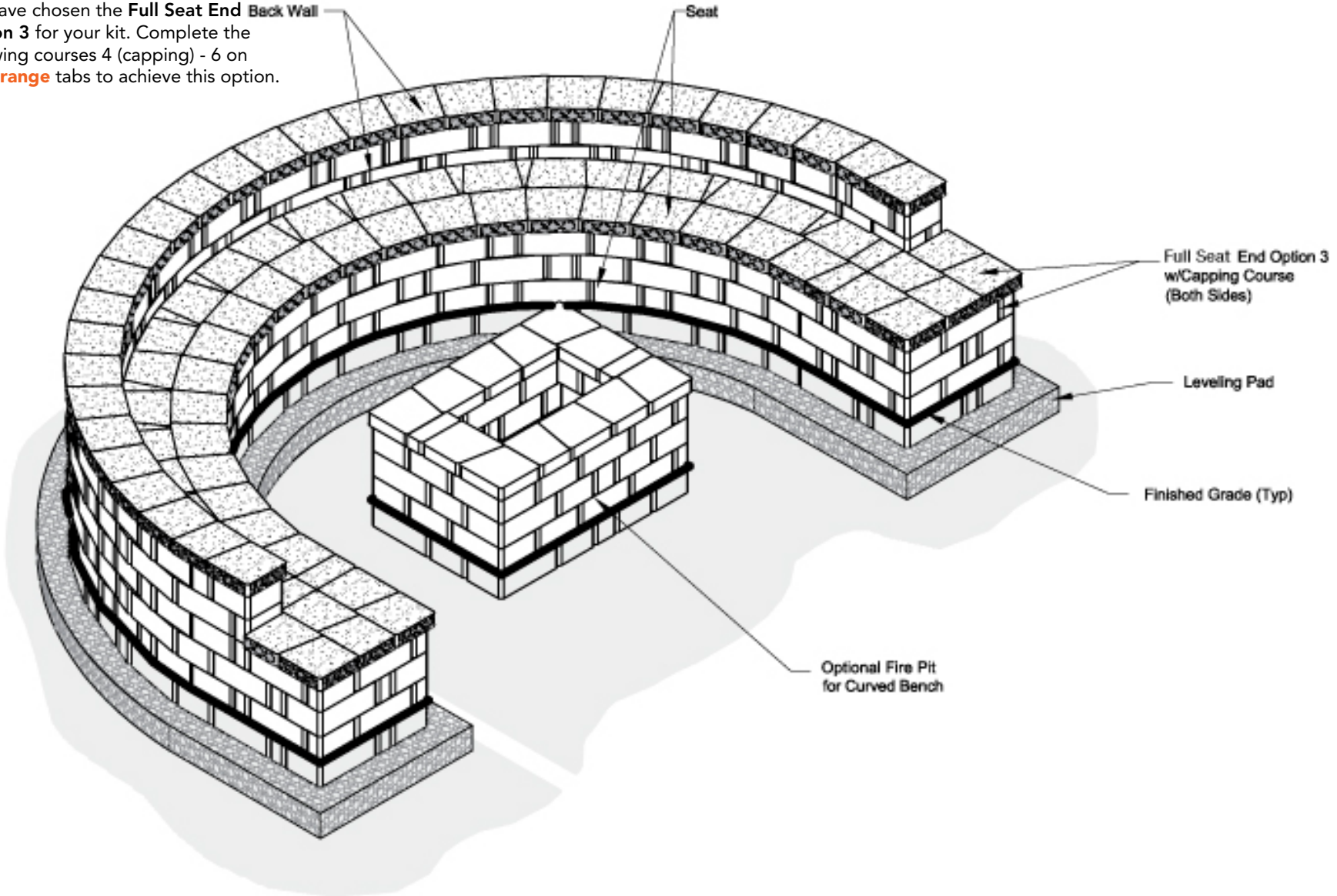
Option 2

Completed Elevation Views



Full Seat End Option

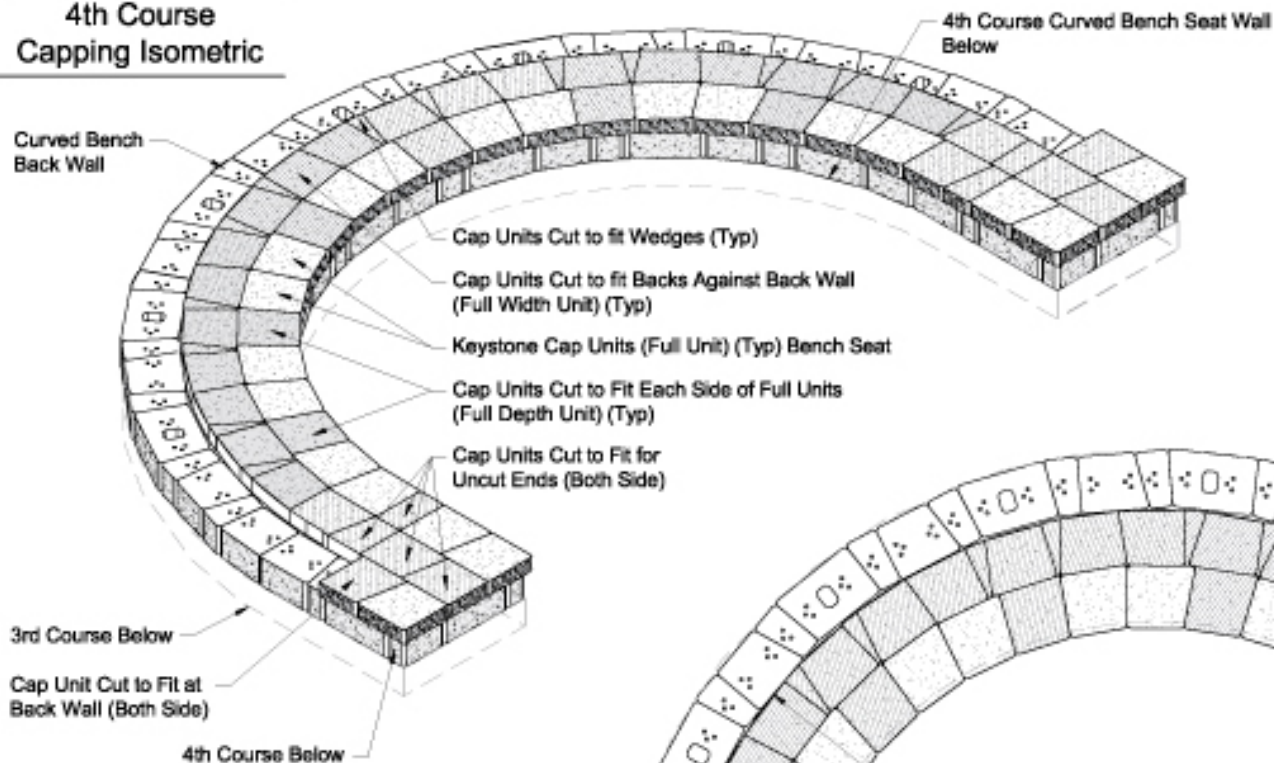
You have chosen the **Full Seat End Back Wall** **Option 3** for your kit. Complete the following courses 4 (capping) - 6 on the **Orange** tabs to achieve this option.



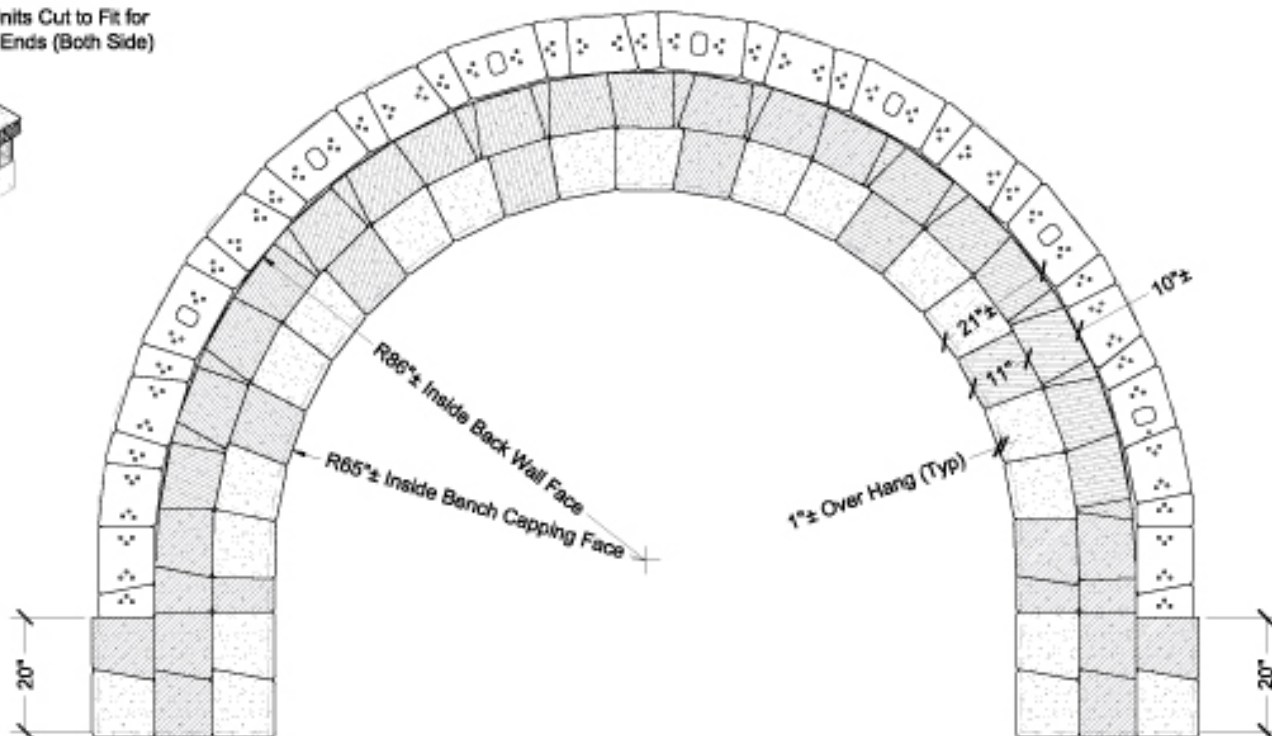
COURSE BY COURSE INSTRUCTIONS

Option 3

4th Course Capping Isometric



4th Course Capping Plan



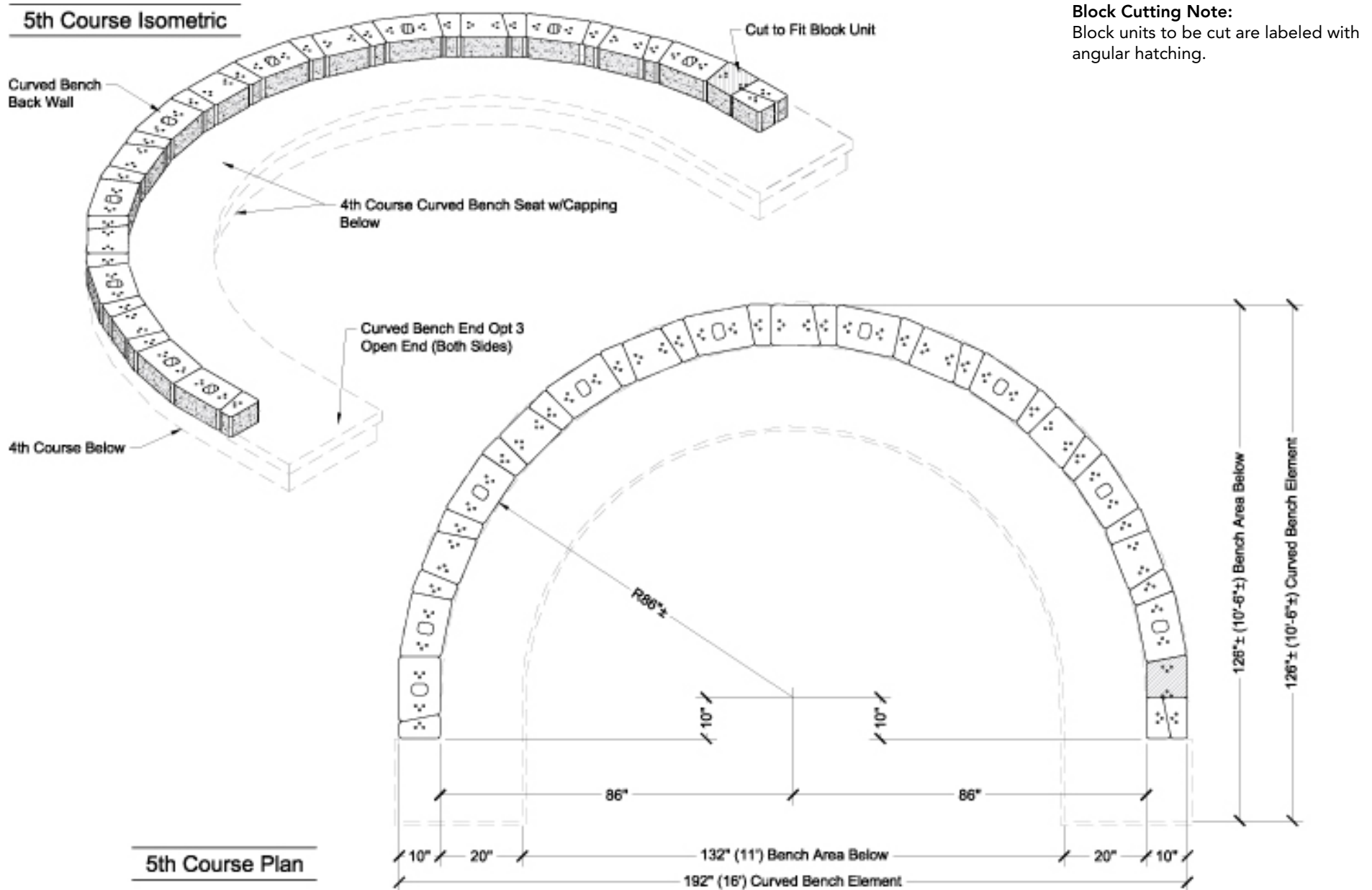
Block Cutting Note:

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.

COURSE BY COURSE INSTRUCTIONS

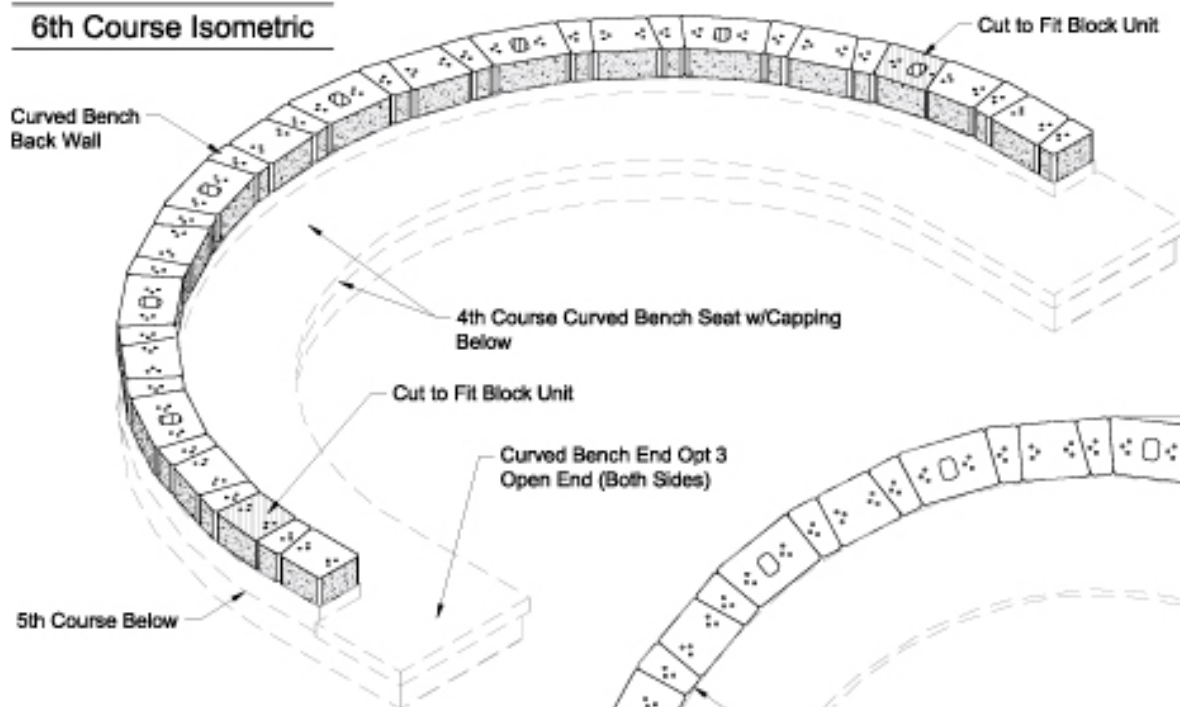


Option 3

COURSE BY COURSE INSTRUCTIONS

Option 3

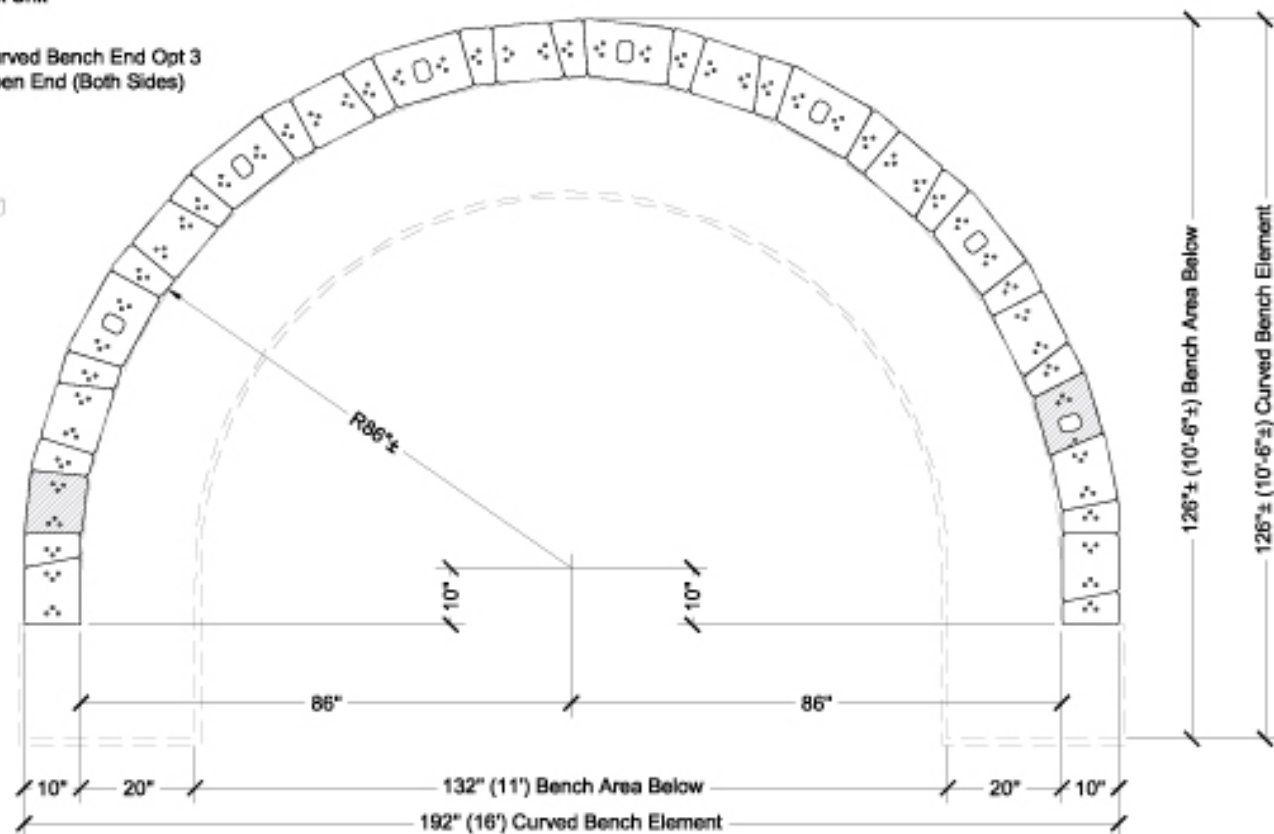
6th Course Isometric



Block Cutting Note:

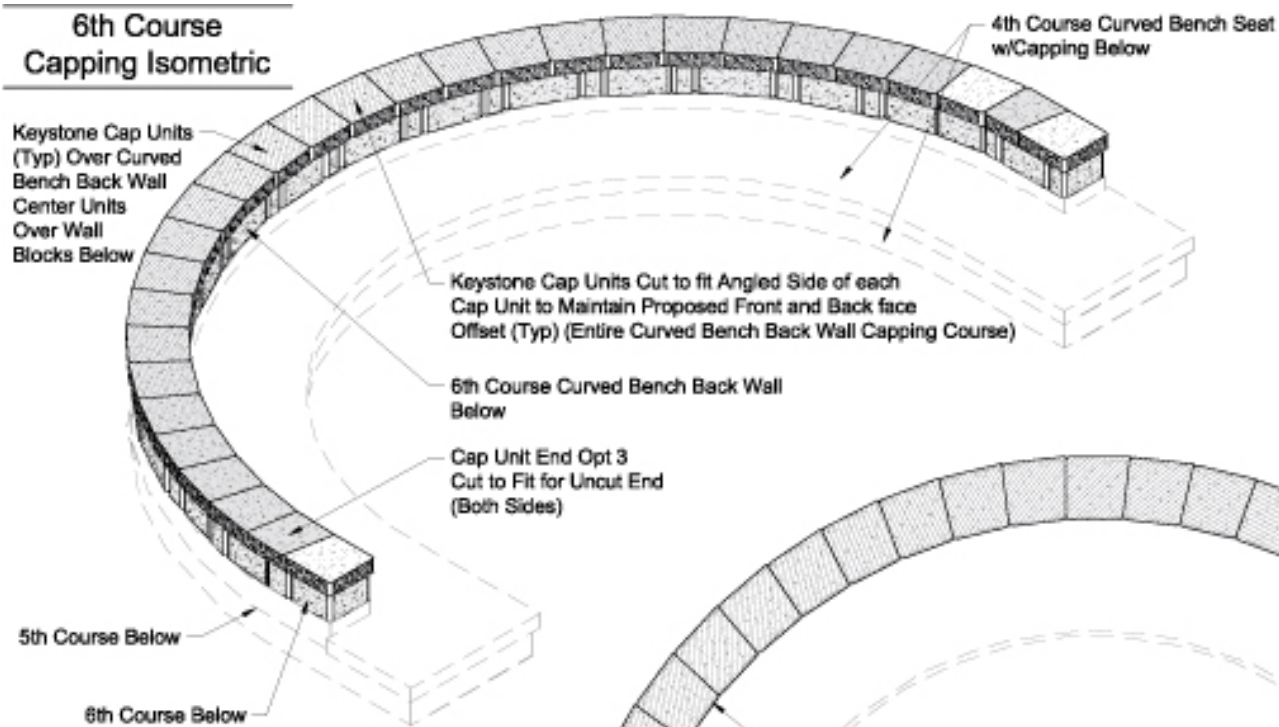
Block units to be cut are labeled with angular hatching.

6th Course Plan



COURSE BY COURSE INSTRUCTIONS

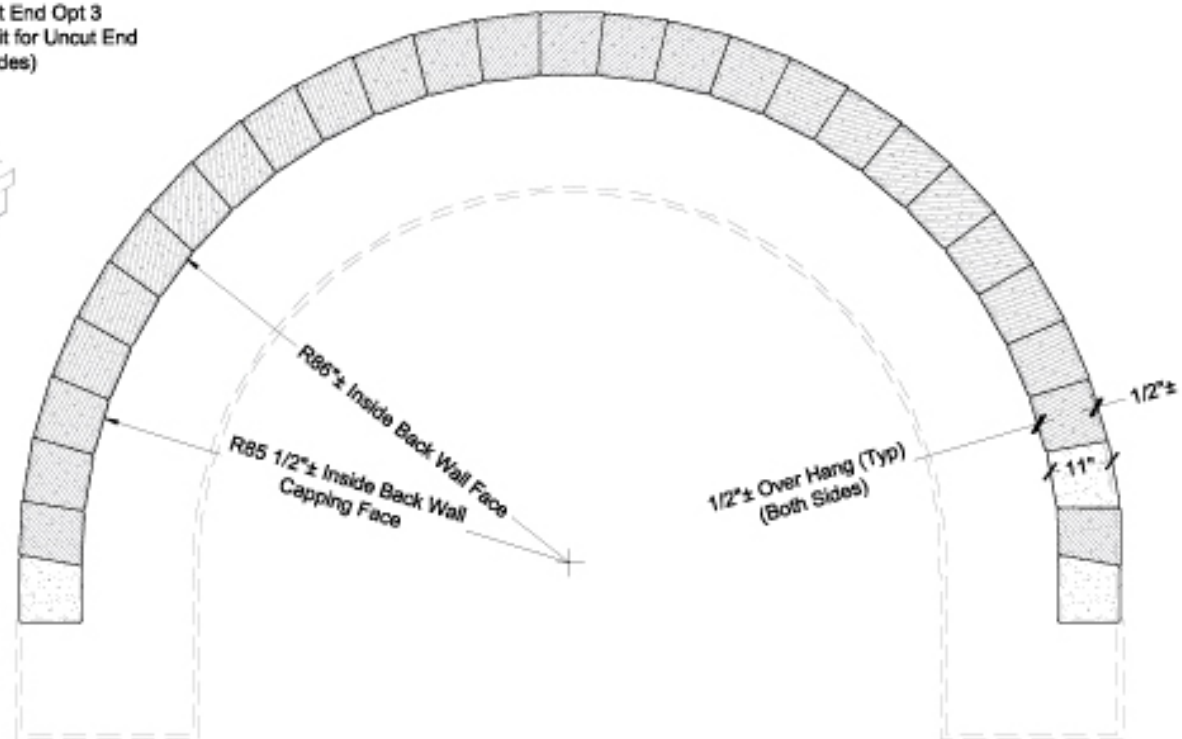
6th Course Capping Isometric



Block Cutting Note:

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

6th Course Capping Plan

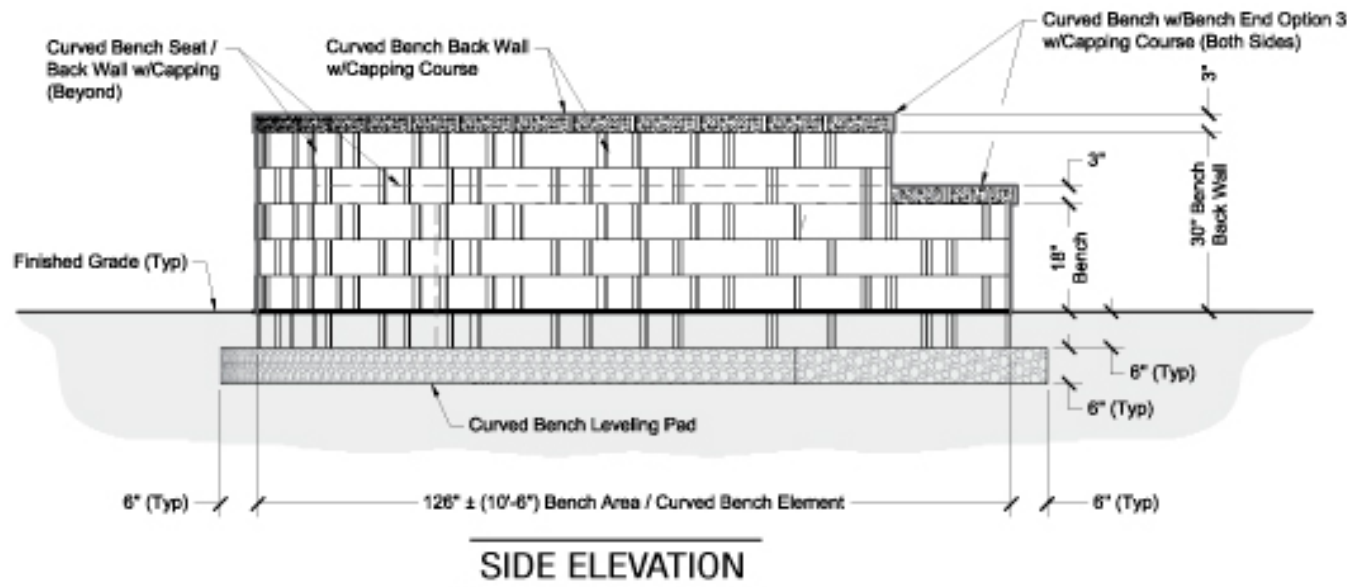
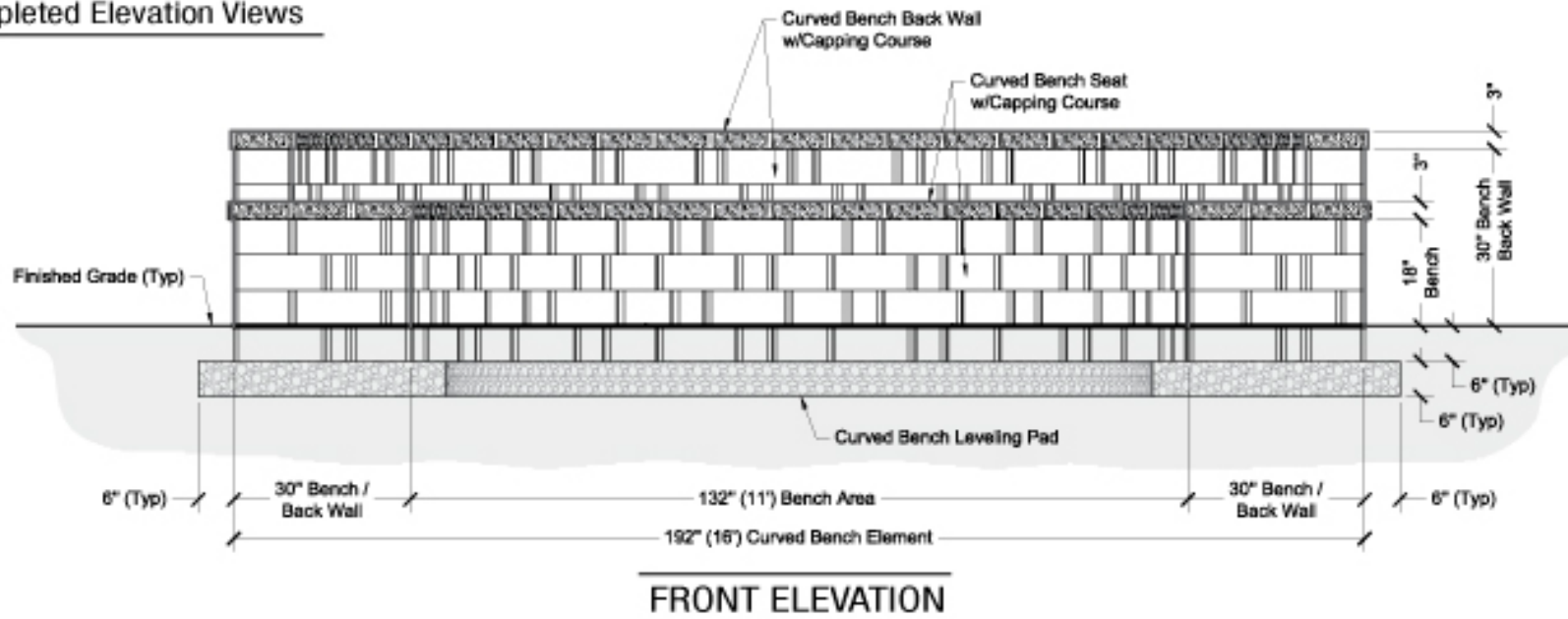


Option 3

COURSE BY COURSE INSTRUCTIONS

Option 3

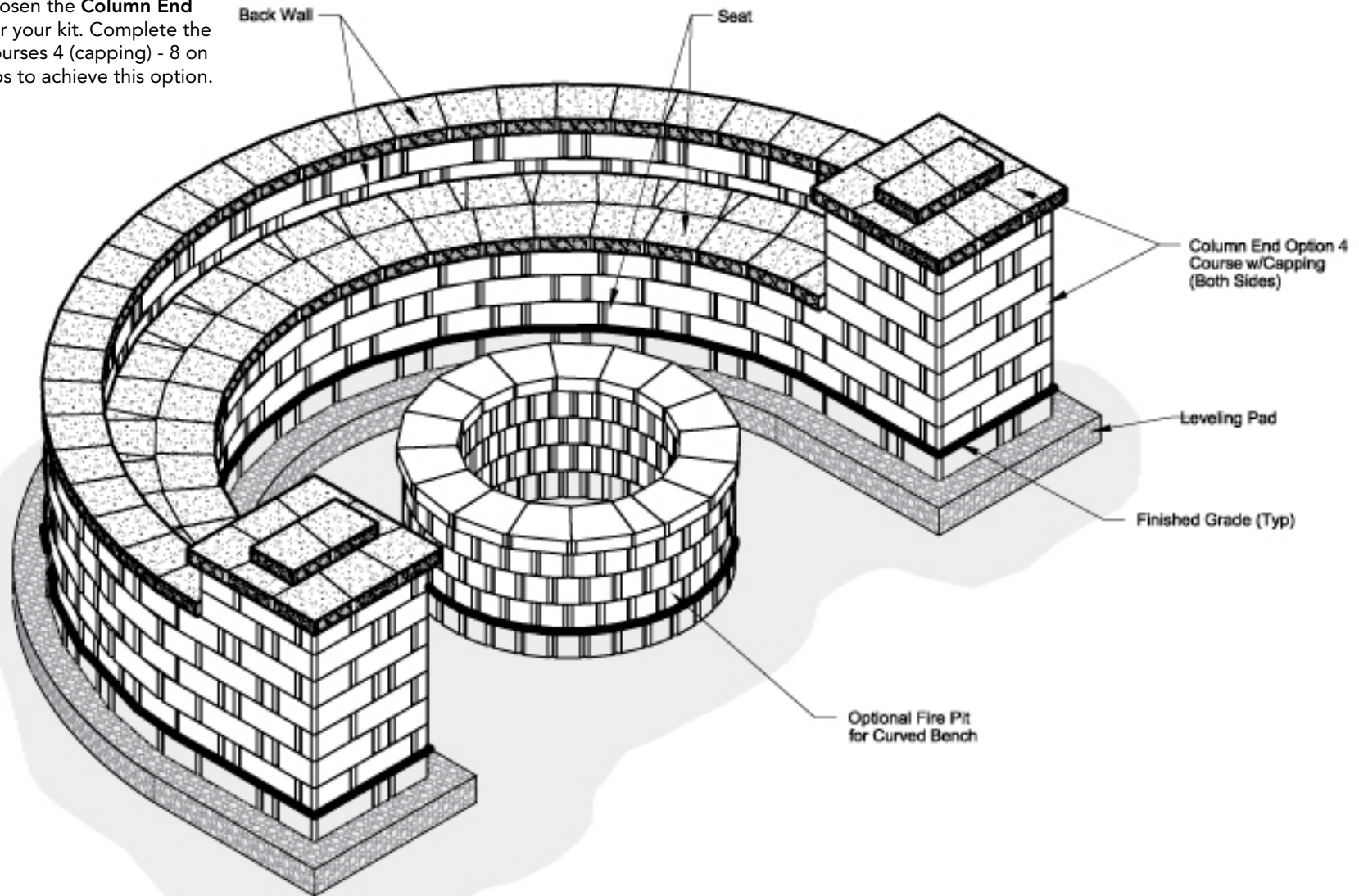
Completed Elevation Views



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.

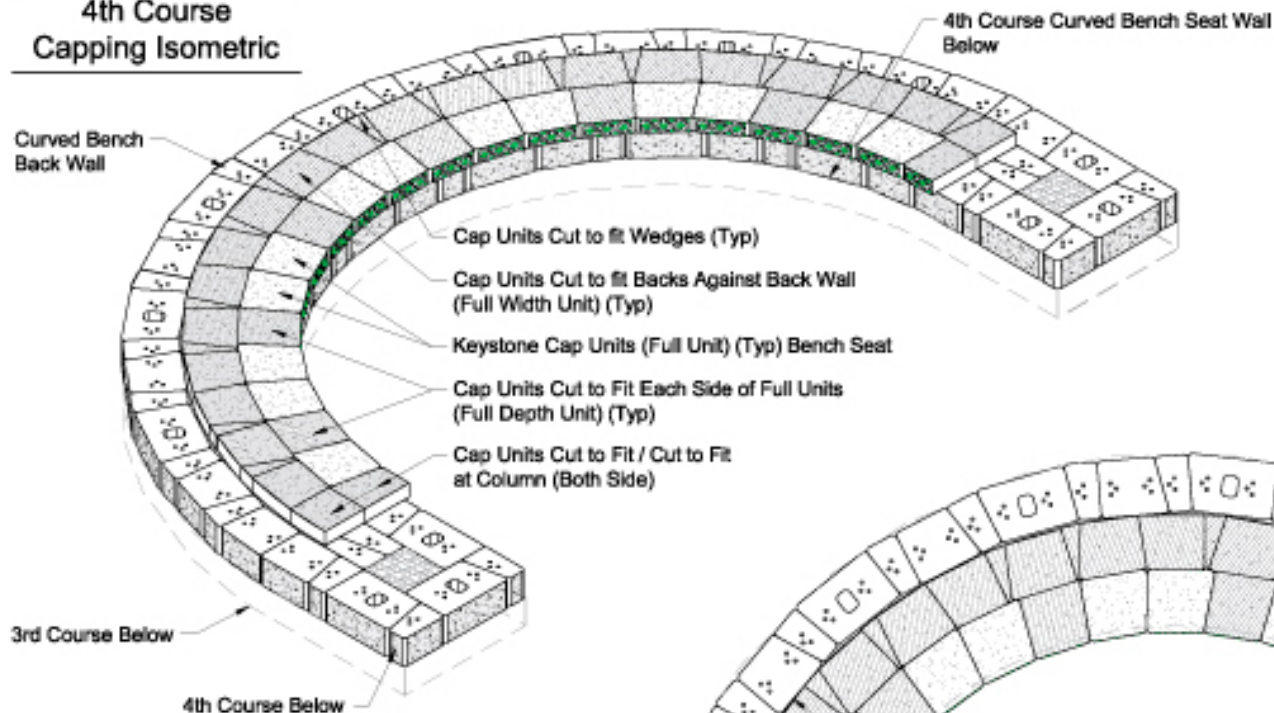
Option 4



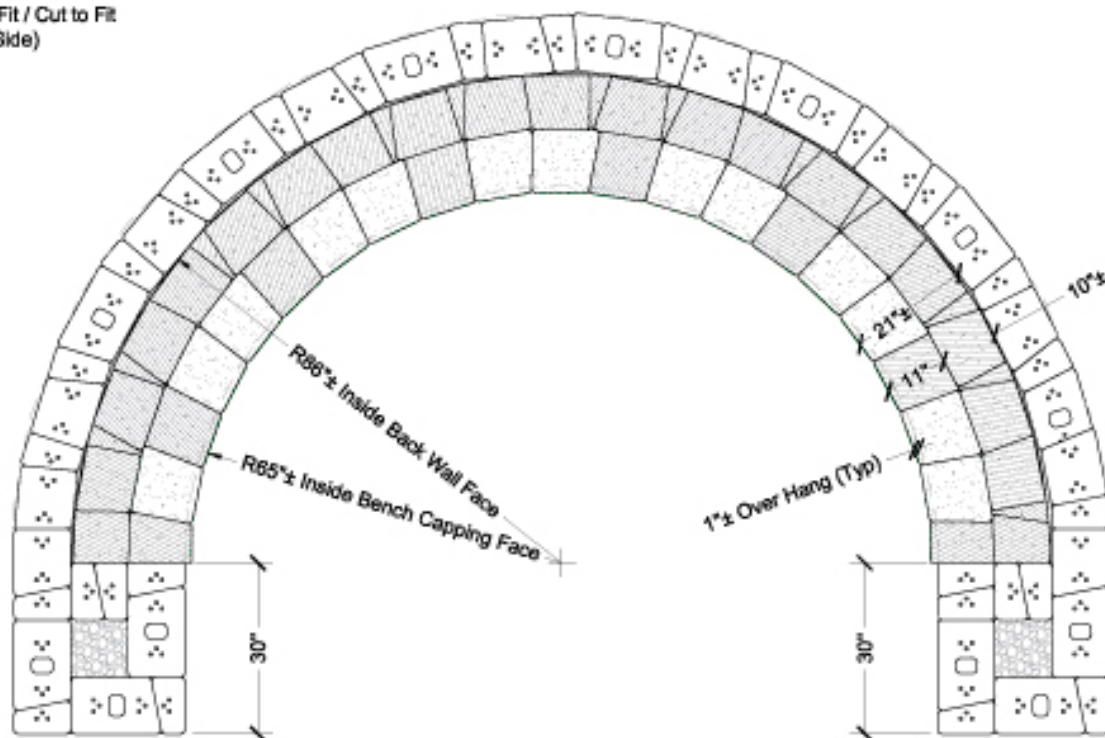
COURSE BY COURSE INSTRUCTIONS

Option 4

4th Course Capping Isometric



4th Course Capping Plan



Block Cutting Note:

Cap units to be cut are labeled with angular hatching.

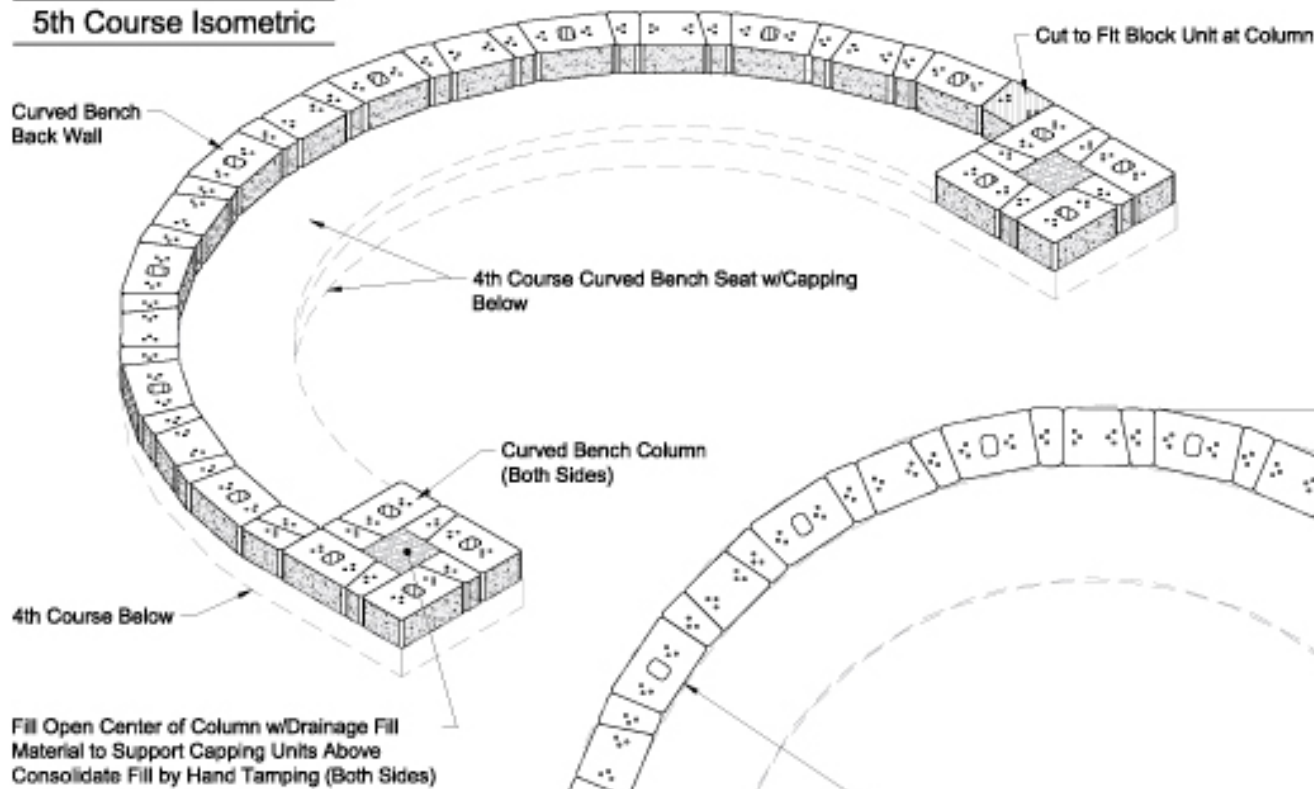
Bench Capping Note:

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

COURSE BY COURSE INSTRUCTIONS

Option 4

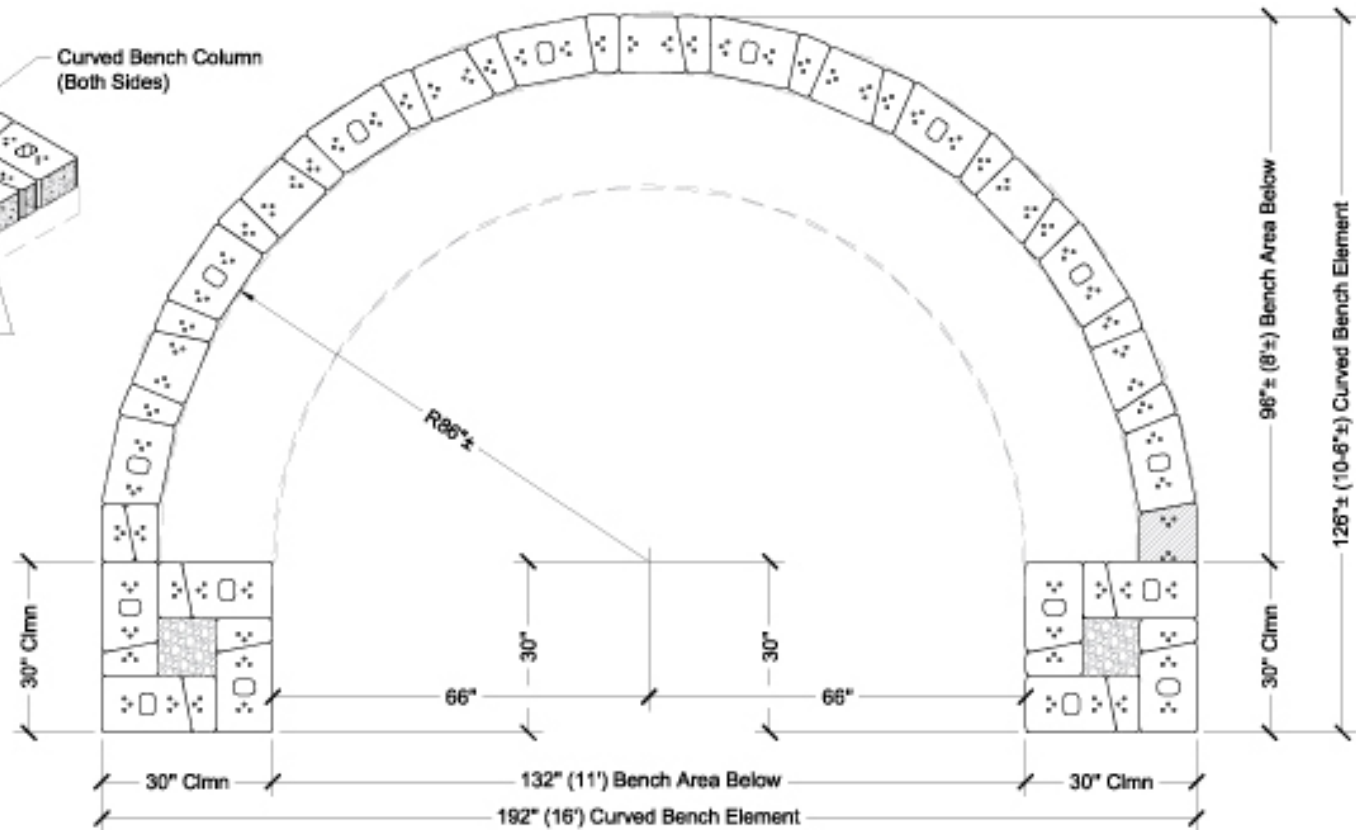
5th Course Isometric



Block Cutting Note:

Block units to be cut are labeled with angular hatching.

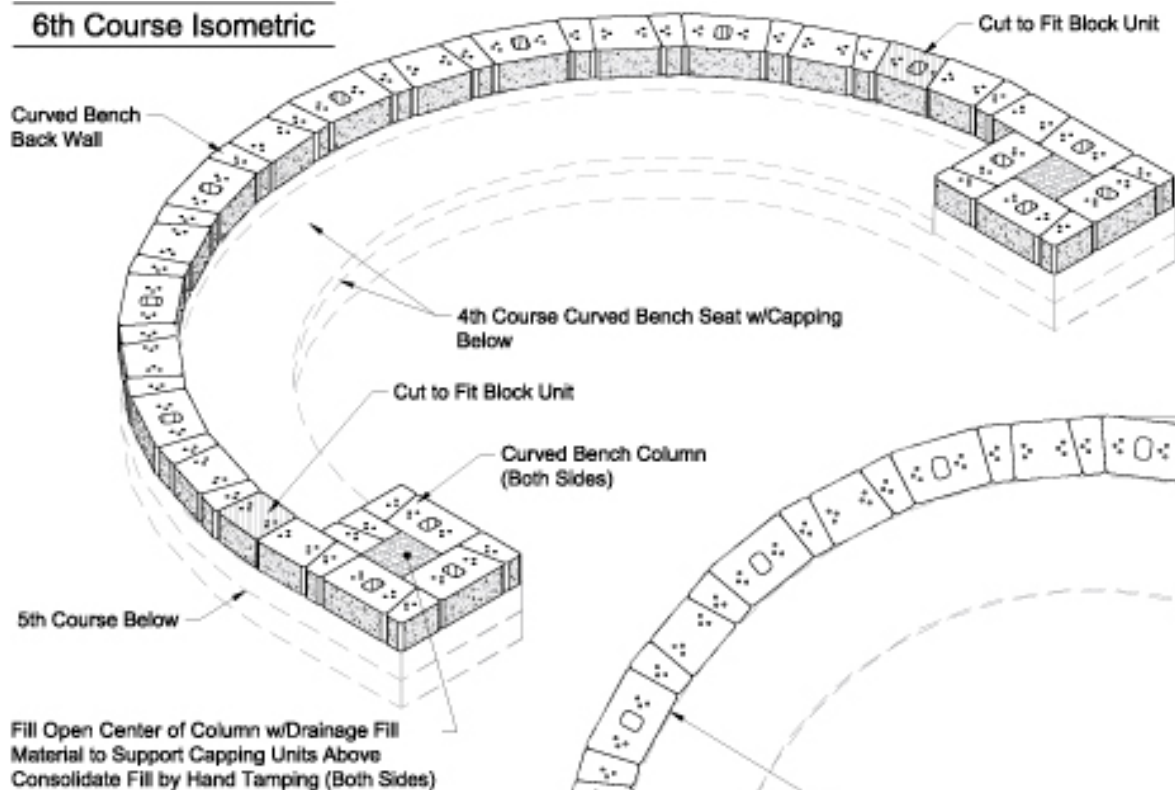
5th Course Plan



COURSE BY COURSE INSTRUCTIONS

Option 4

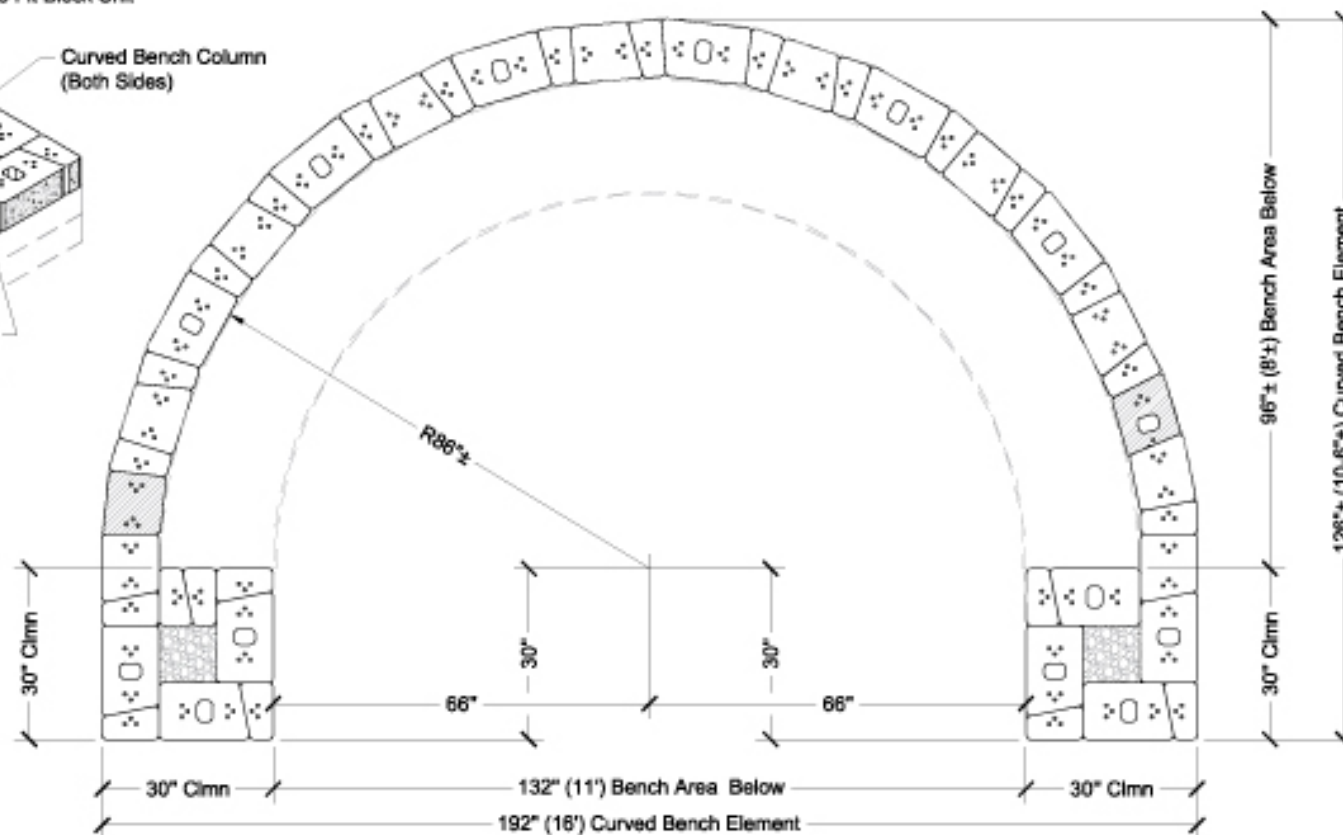
6th Course Isometric



Block Cutting Note:

Block units to be cut are labeled with angular hatching.

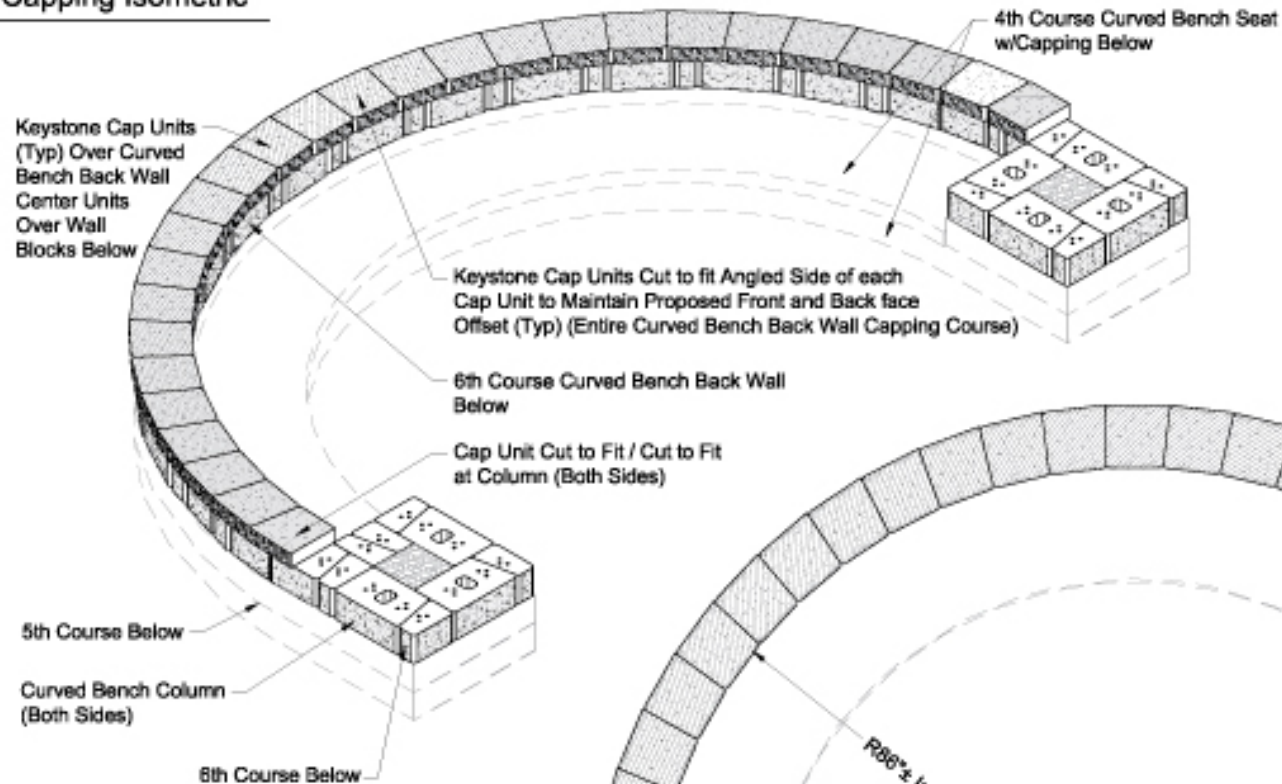
6th Course Plan



COURSE BY COURSE INSTRUCTIONS

Option 4

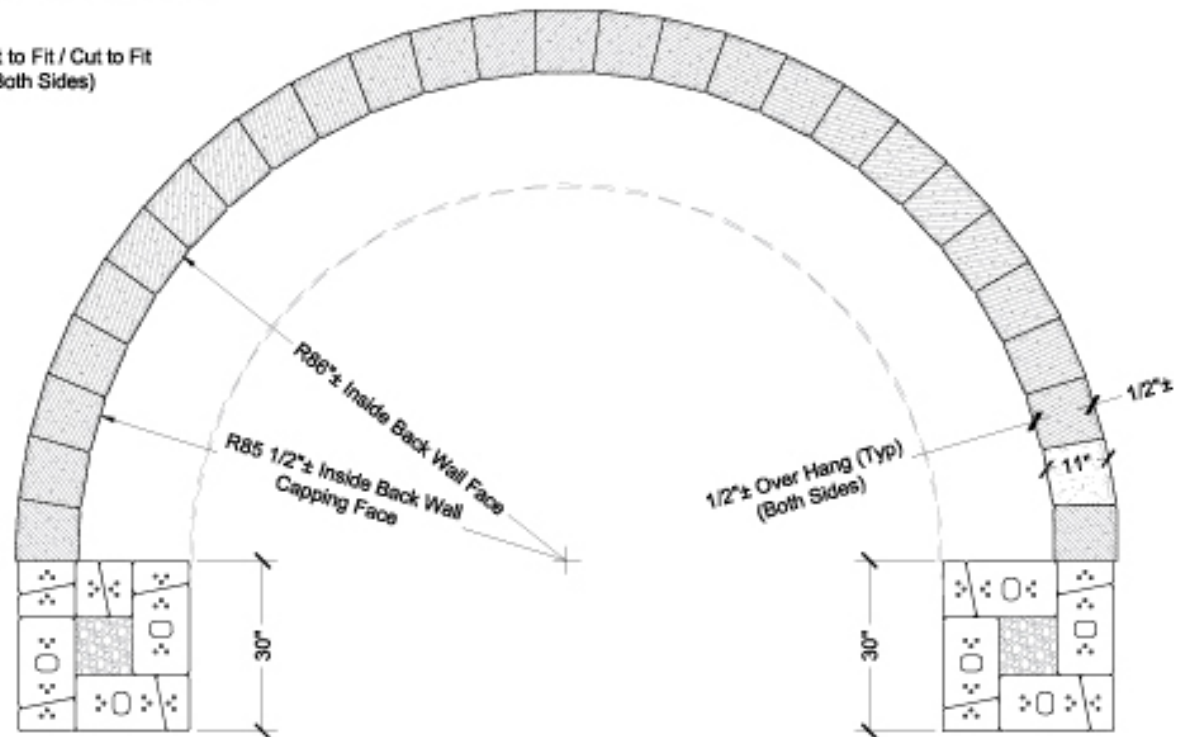
6th Course Capping Isometric



Block Cutting Note:

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

6th Course Capping Plan



Option 4

6th Course Curved Bench
Back Wall w/Capping
Below

4th Course Curved Bench Seat w/Capping Below

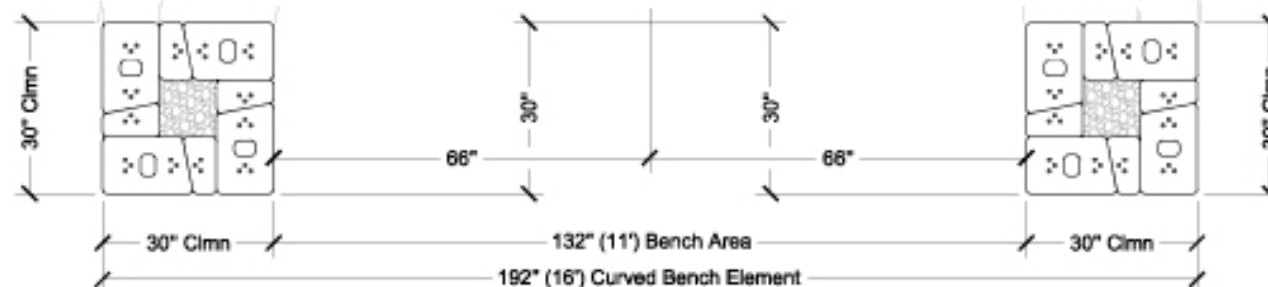
- Curved Bench Column (Both Sides)

6th Course Below

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

7th Course Plan

Block units to be cut are labeled with angular hatching.



COURSE BY COURSE INSTRUCTIONS

Option 4

8th Course Isometric

6th Course Curved Bench Back Wall w/Capping Below

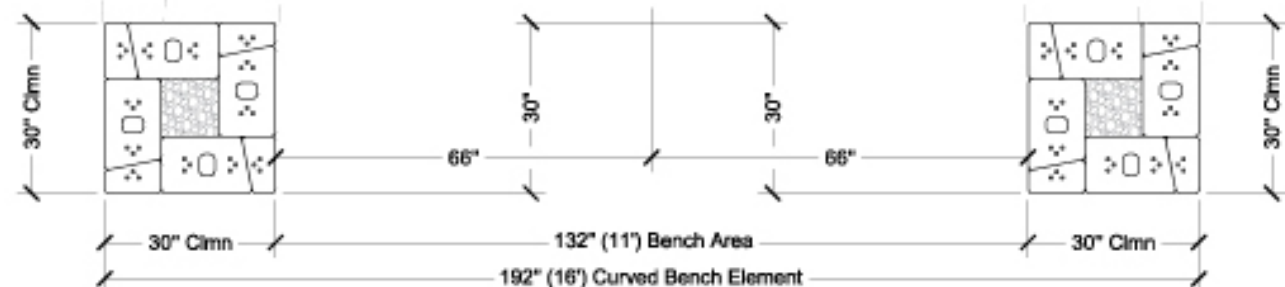
4th Course Curved Bench Seat w/Capping Below

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)

8th Course Plan



Block Cutting Note:

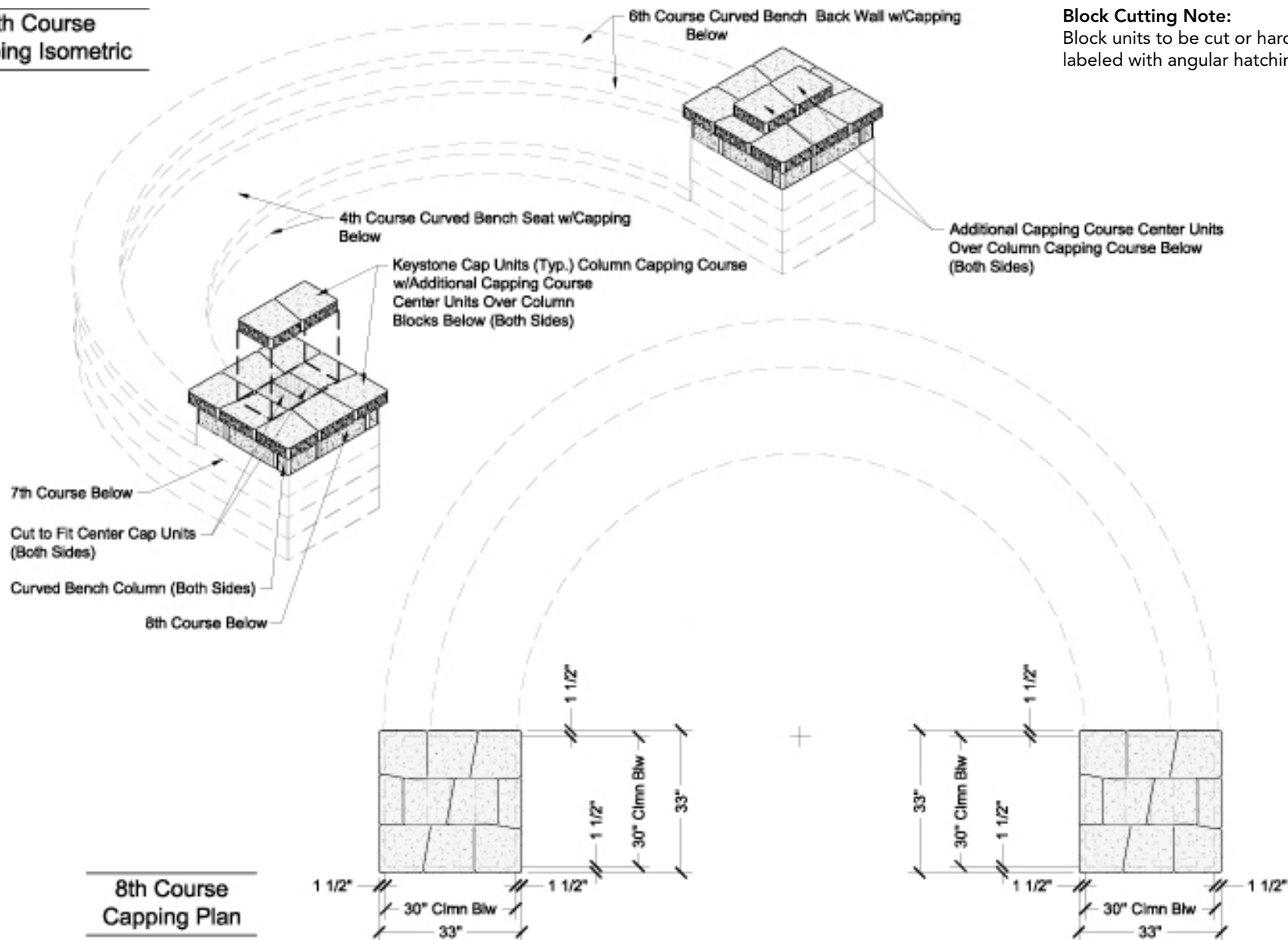
Block units to be cut are labeled with angular hatching.

COURSE BY COURSE INSTRUCTIONS

Option 4

8th Course Capping Isometric

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



Option 4

Curved Bench Column w/Capping Course (Both Sides)

Curved Bench Back Wall w/Capping Course

Curved Bench Seat w/Capping Course

Curved Bench Seat / Back Wall w/Capping Courses Beyond (Beyond) (Both Sides)

Finished Grade (Typ)

Curved Bench Levelling Pad

Dimensions:

- 33"
- 5 1/2"
- 1 1/2" (Typ)
- 22"
- 5 1/2"
- 3"
- 3"
- 3"
- 18" Bench
- 30" Bench Back Wall
- 42" Column
- 6" (Typ)
- 6" (Typ)
- 6" (Typ)
- 30" Column
- 132" (11') Bench
- 182" (16')

Curved Bench Column w/Capping Course (Both Sides)

Curved Bench Back Wall w/Capping Course

Curved Bench Seat / Back Wall w/Capping (Beyond)

Finished Grade (Typ)

Curved Bench Leveling Pad

33"

11"

11"

1 1/2" (Typ.)

3"

3"

3"

18" Bench (Beyond)

30" Bench Back Wall

42" Column

6" (Typ)

96" ± (8')

30" Column

6" (Typ)

126" ± (10'-6")

6" (Typ)

Keystone Step-by-Step Kits 35

Don't forget to check out all of our Keystone Outdoor Living Designs on keystonewalls.com.



Outdoor Kitchen Designs



Fireplaces



Columns



Fire Pits



Water Feature



Outdoor Table



Keystone Retaining Wall Systems LLC
4444 West 78th Street • Minneapolis, MN 55435
(952) 897-1040 • www.keystonewalls.com

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