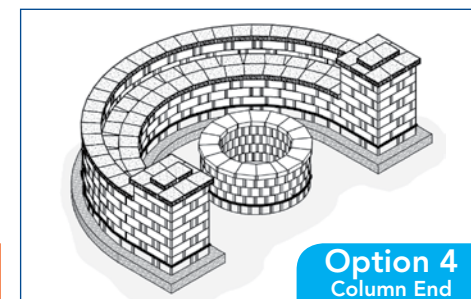
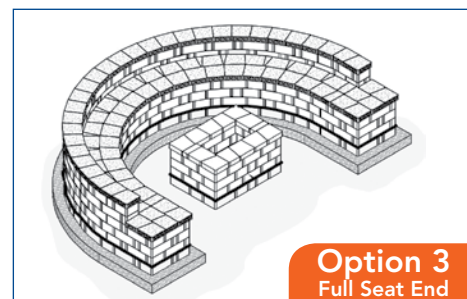
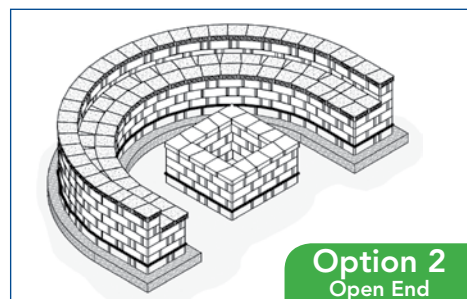
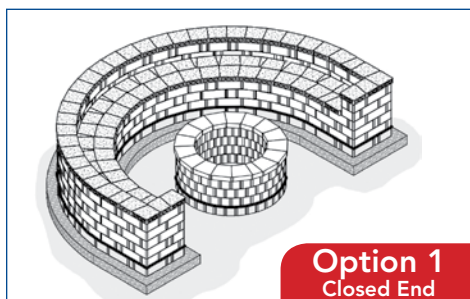


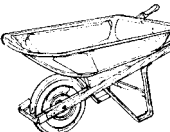
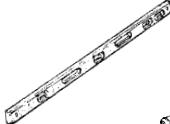


Option 2 - Open End Shown Above



# 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                                                    |

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### Common Courses

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### Option 1 Closed End Design

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### 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

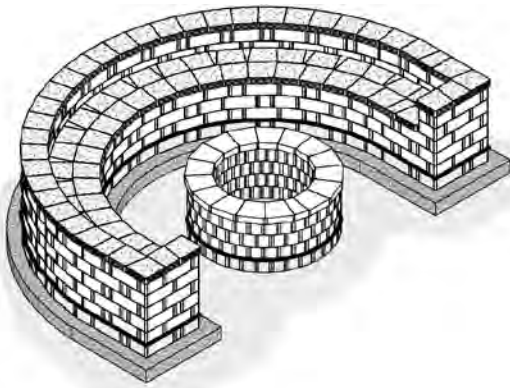
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### Option 4 Column End Design

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# KEYSTONE OUTDOOR LIVING • CURVED BENCH DESIGNS

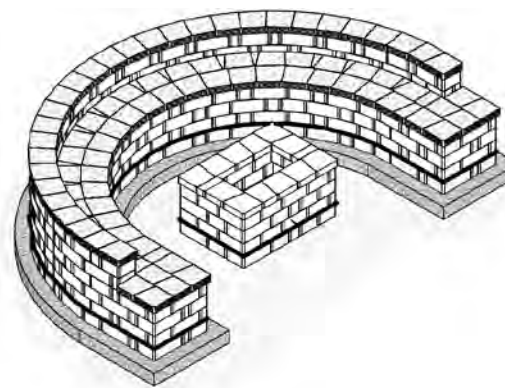
## Option 1 Closed End Design



### 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

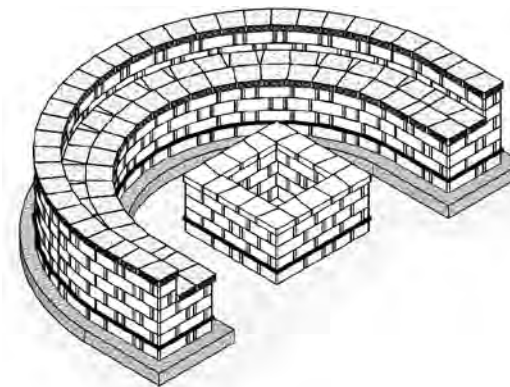
## Option 3 Full Seat End Design



### 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

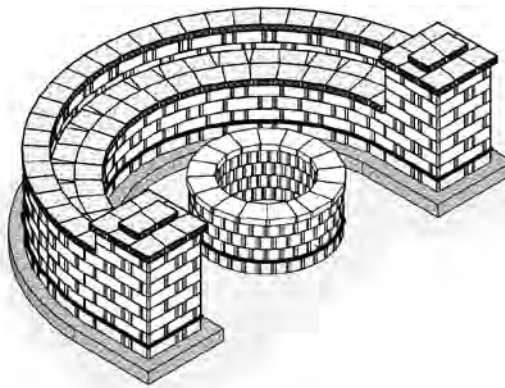
## Option 2 Open End Design



### 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

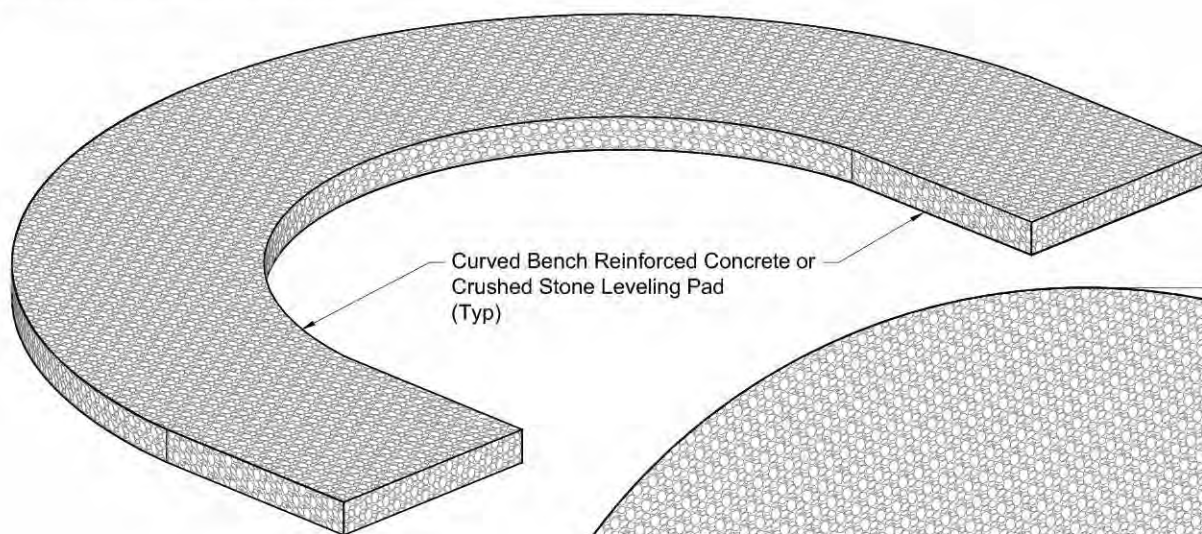
### Notes:

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

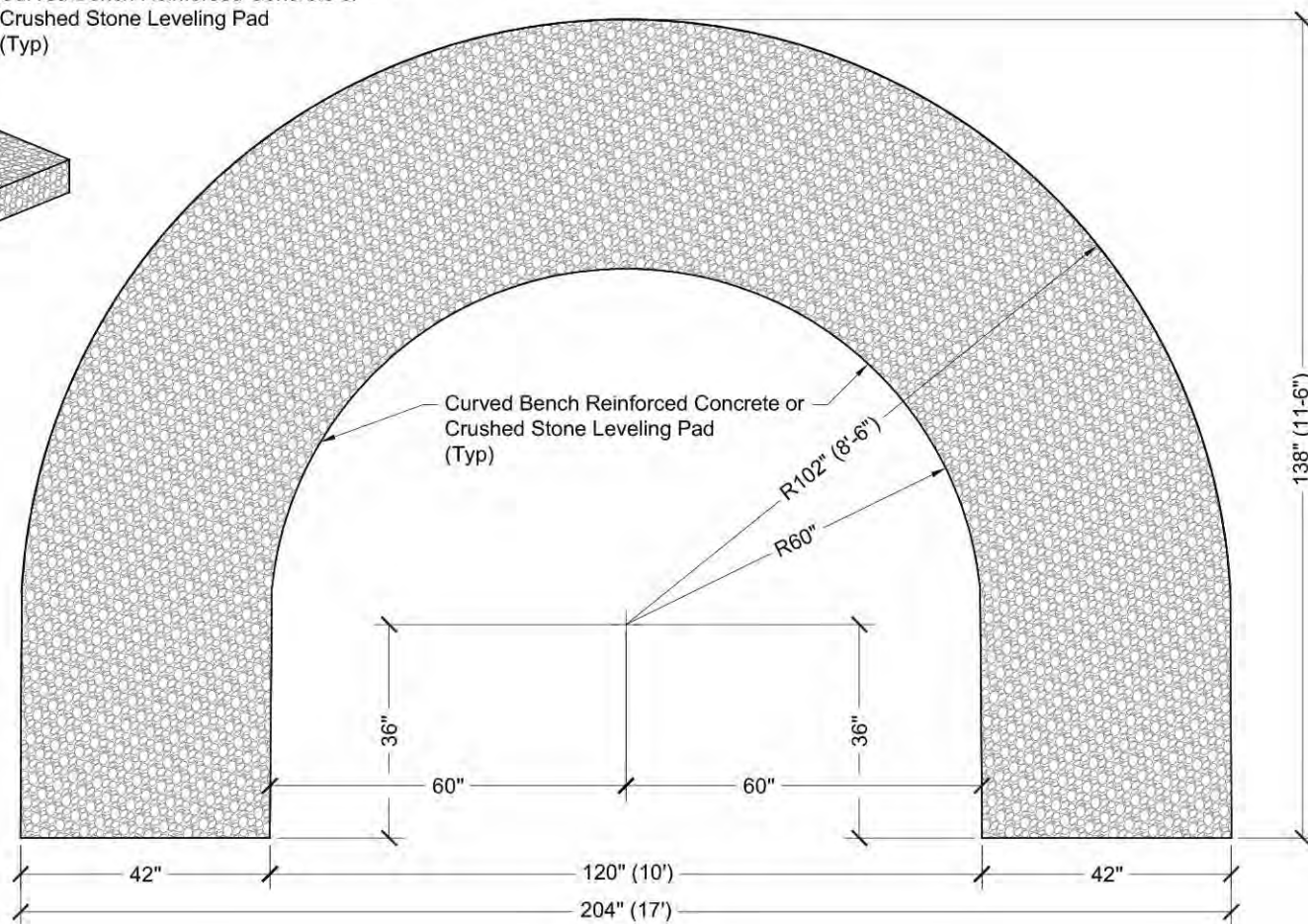
\* Keystone recommends the use of its interlocking pins when alignment allows. Use pins in conjunction with exterior grade construction adhesive to maximize stability of your structure.

# COURSE BY COURSE INSTRUCTIONS

Foundation Isometric

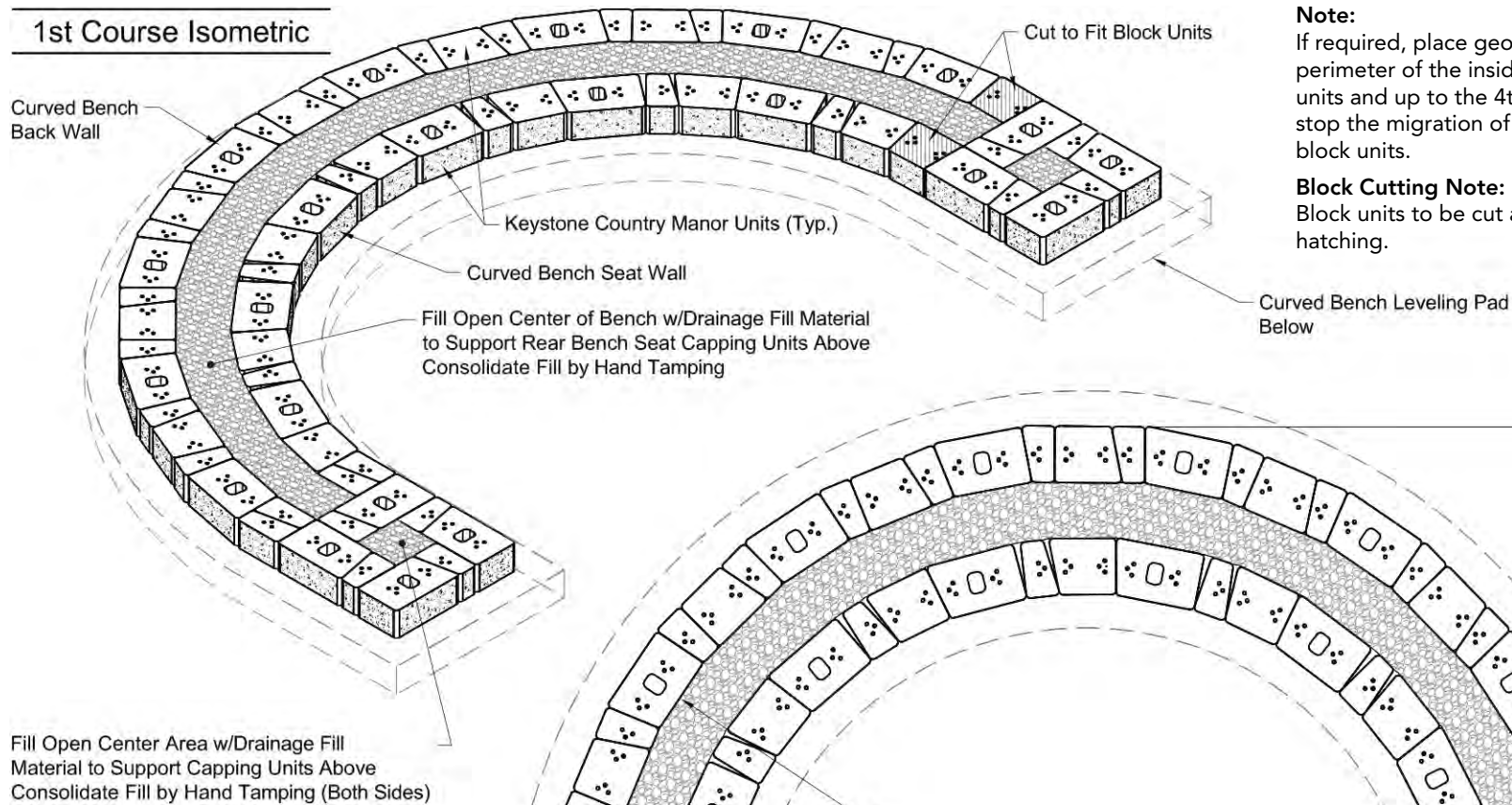


Foundation Plan



# COURSE BY COURSE INSTRUCTIONS

## 1st Course Isometric



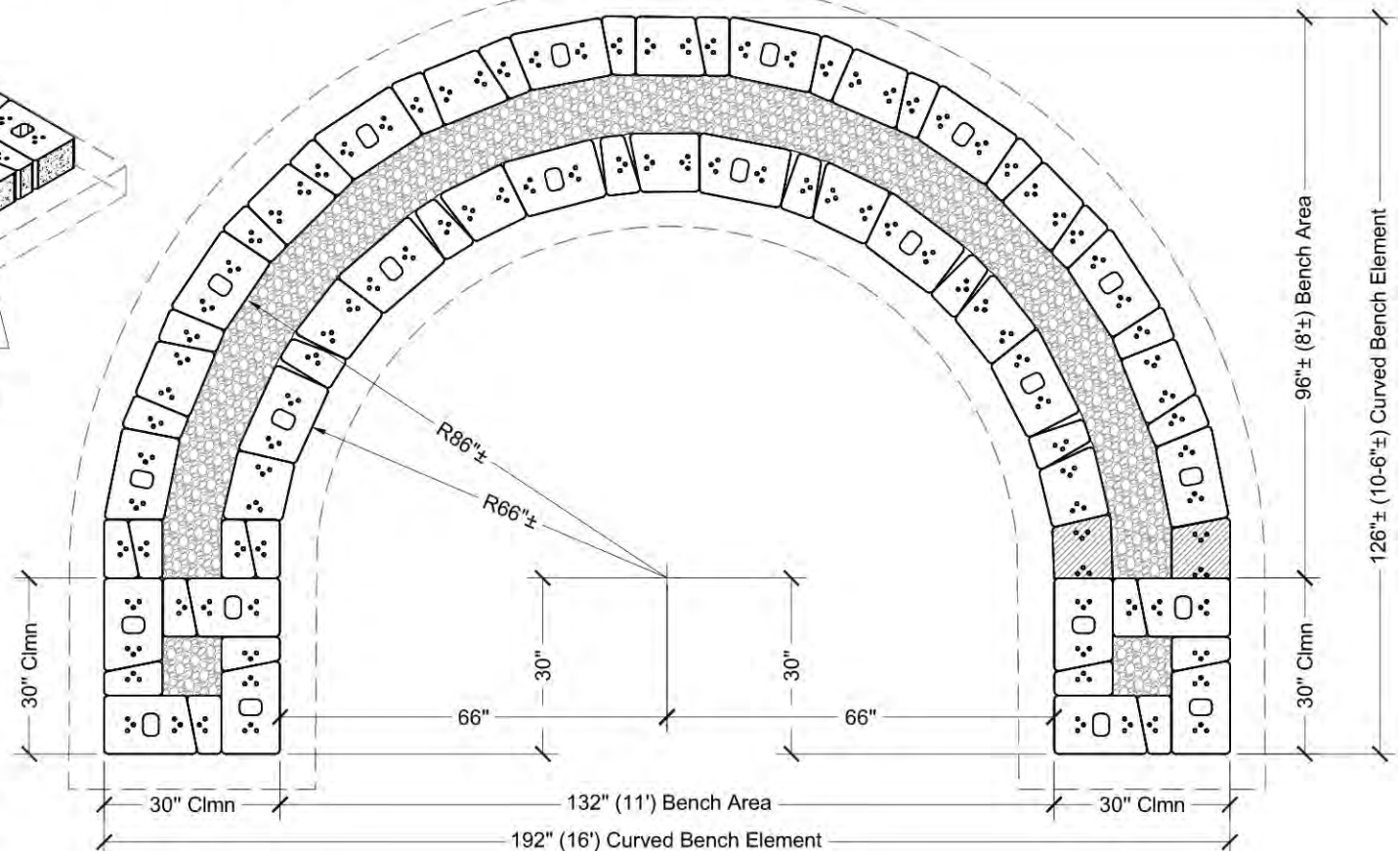
### Note:

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:

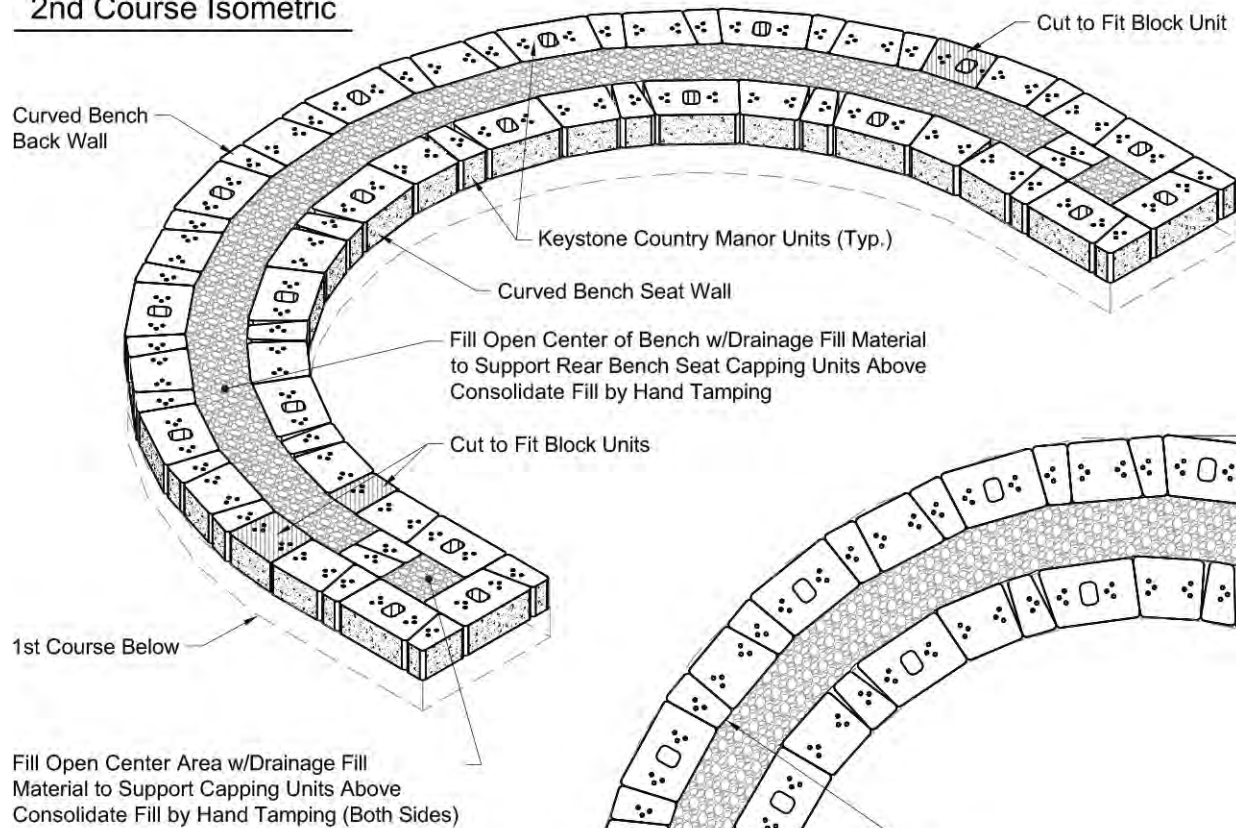
Block units to be cut are labeled with angular hatching.

## 1st Course Plan



# COURSE BY COURSE INSTRUCTIONS

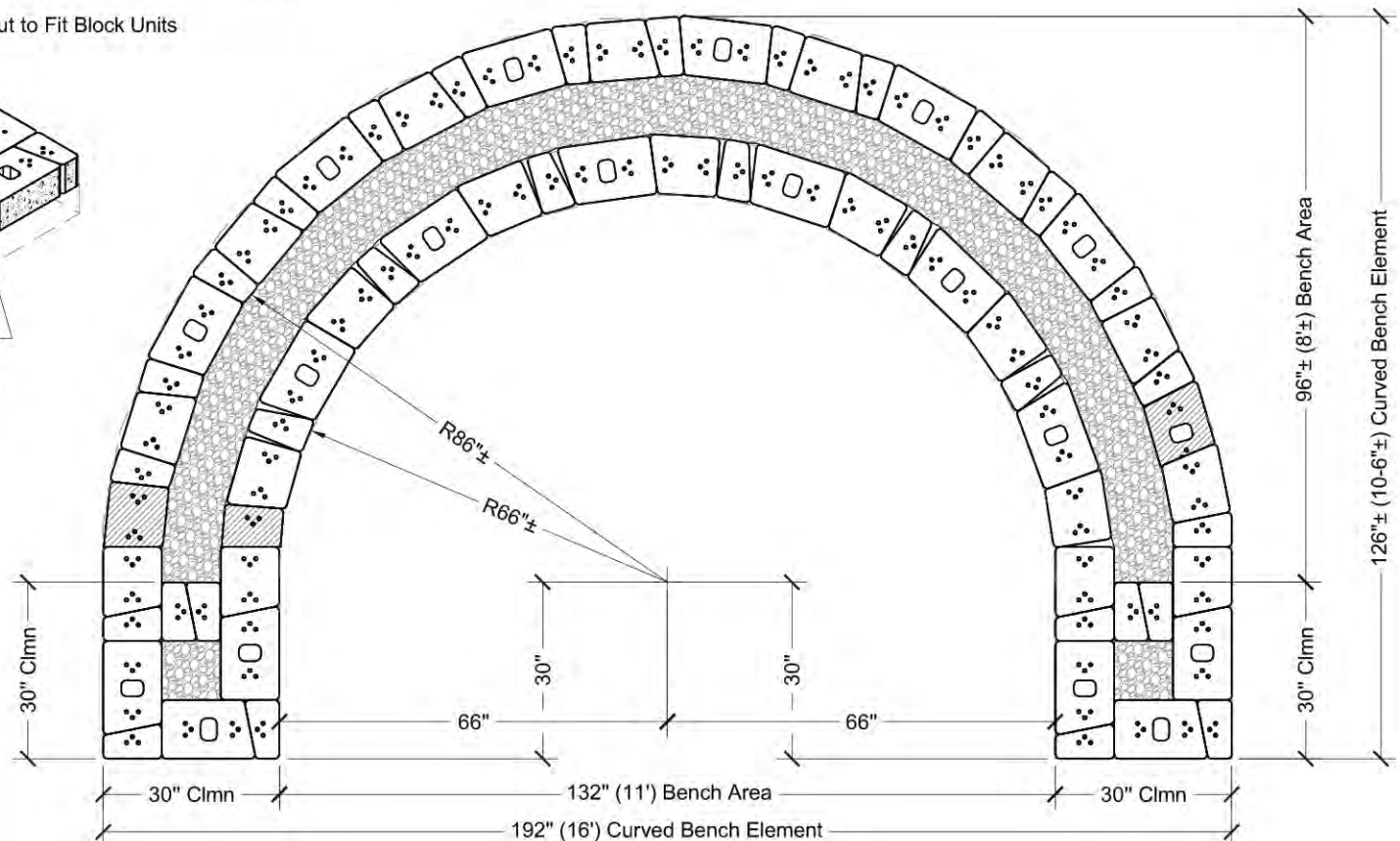
## 2nd Course Isometric



### Block Cutting Note:

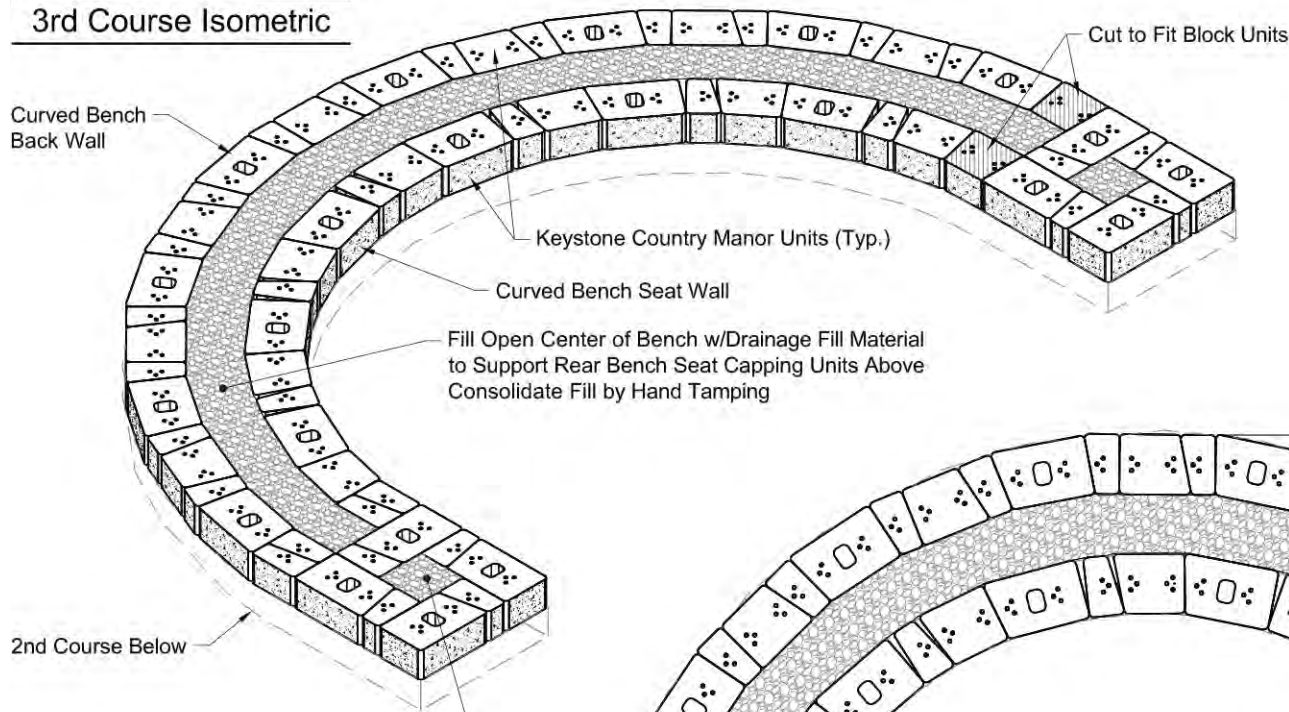
Block units to be cut are labeled with angular hatching.

## 2nd Course Plan



# COURSE BY COURSE INSTRUCTIONS

## 3rd Course Isometric

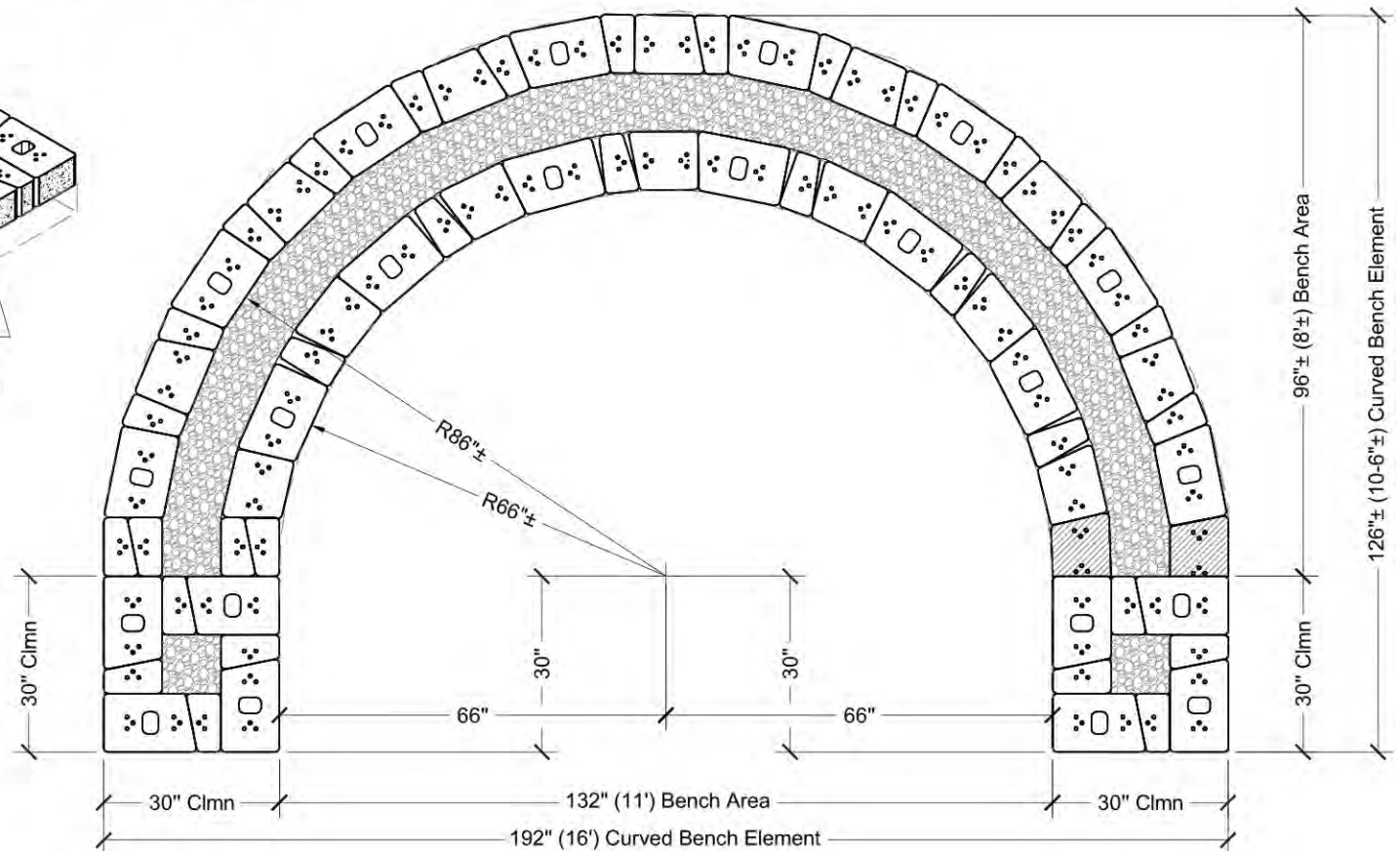


### Block Cutting Note:

Block units to be cut are labeled with angular hatching.

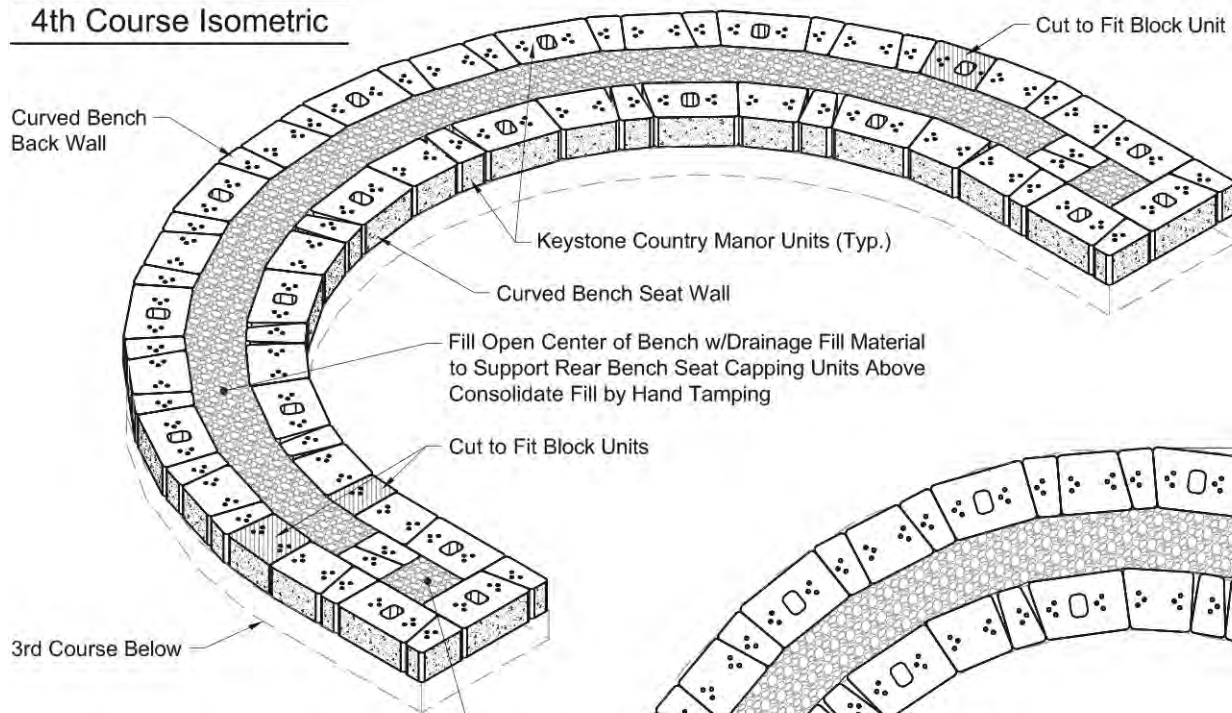
Fill Open Center Area w/Drainage Fill Material to Support Capping Units Above Consolidate Fill by Hand Tamping (Both Sides)

## 3rd Course Plan



# COURSE BY COURSE INSTRUCTIONS

## 4th Course Isometric

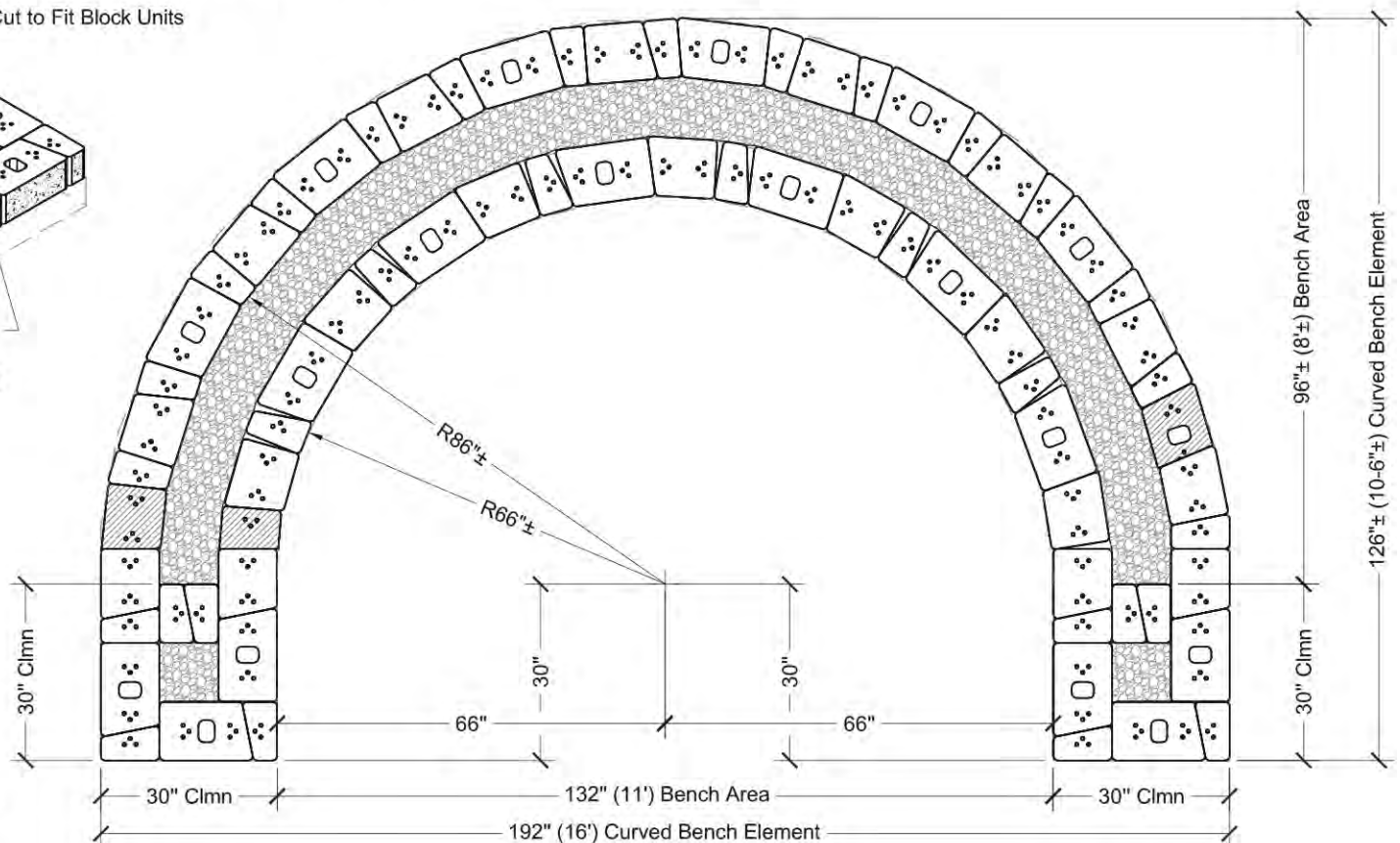


Fill Open Center Area w/Drainage Fill Material to Support Capping Units Above Consolidate Fill by Hand Tamping (Both Sides)

### 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

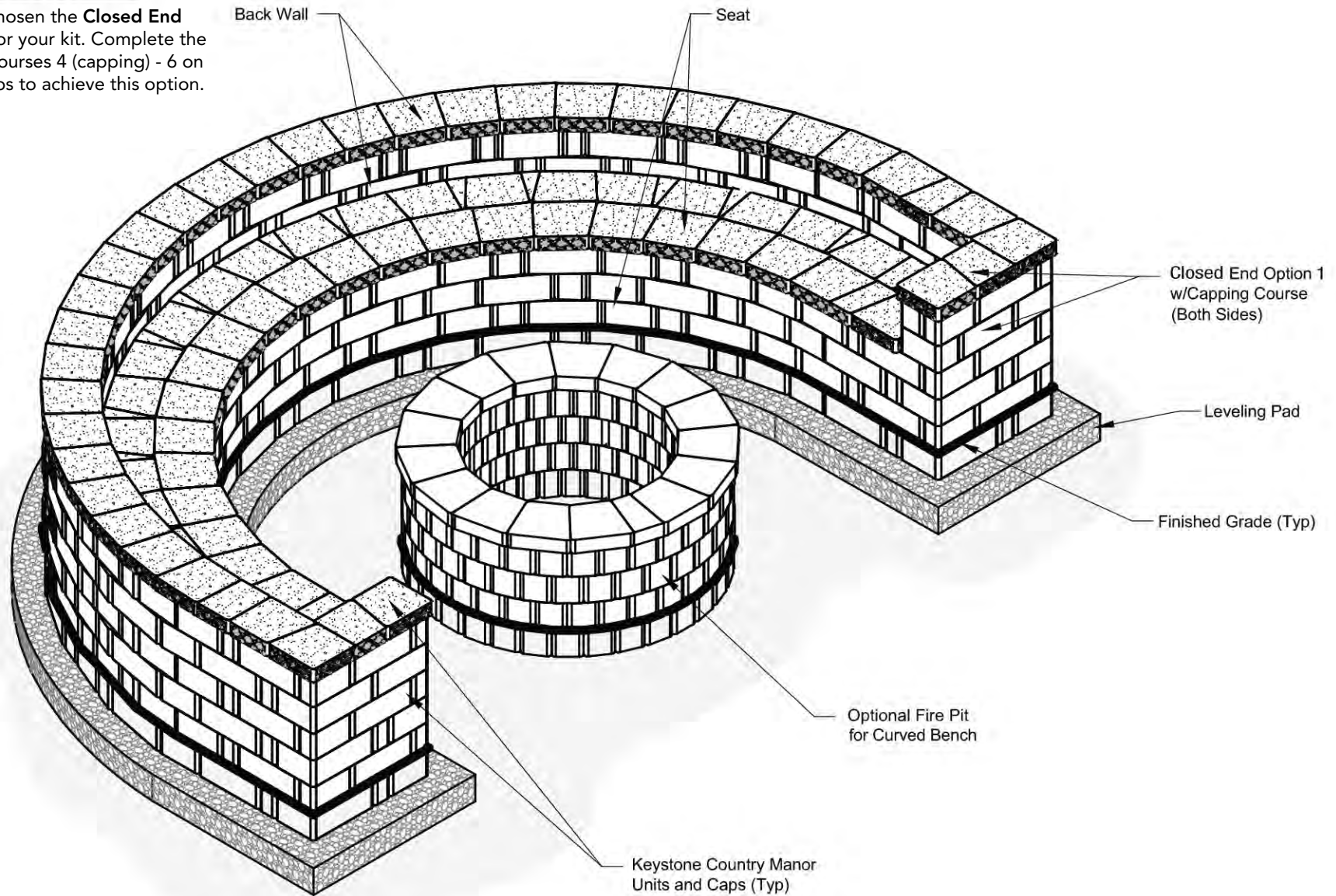
▶ Go to page 21

**Option 4**  
Column End Design

▶ Go to page 27

## Closed End Option

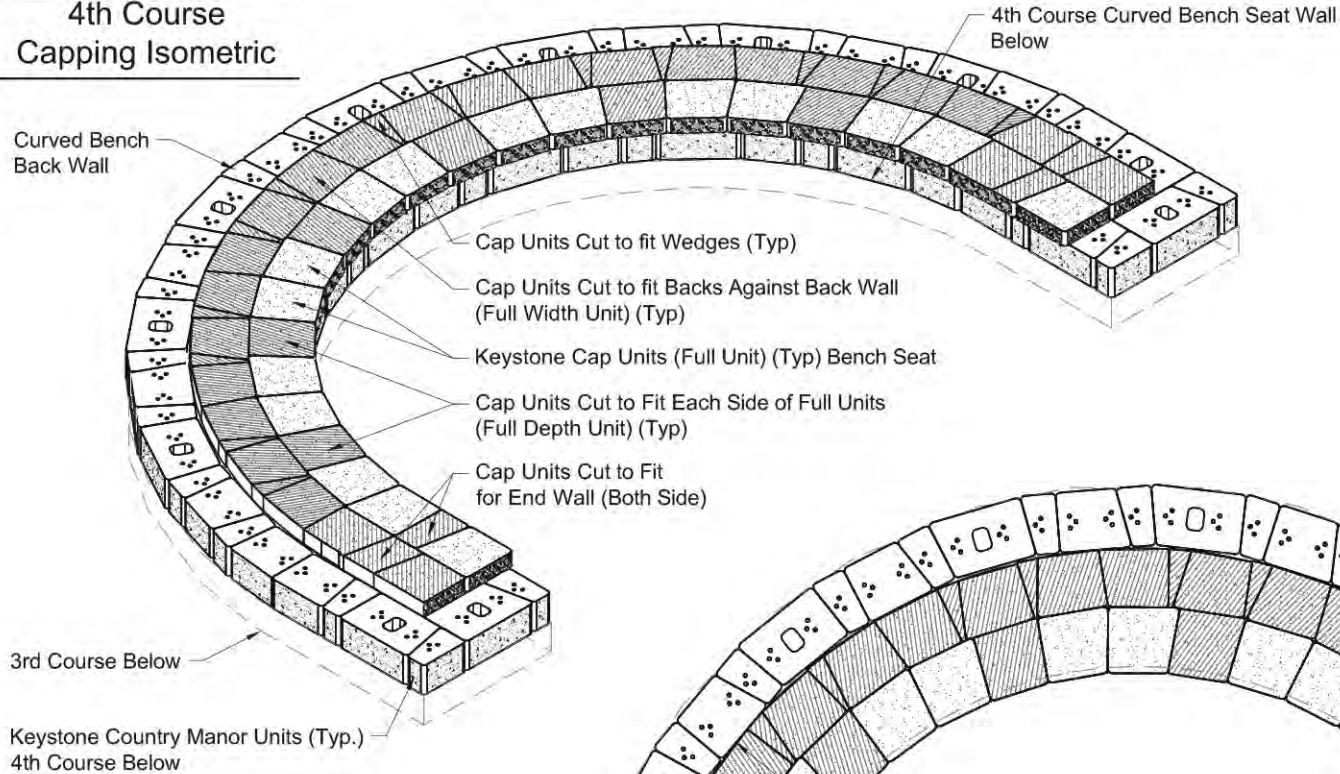
You have chosen the **Closed End Option 1** for your kit. Complete the following courses 4 (capping) - 6 on the **Red** tabs to achieve this option.



# COURSE BY COURSE INSTRUCTIONS

Option 1

## 4th Course Capping Isometric



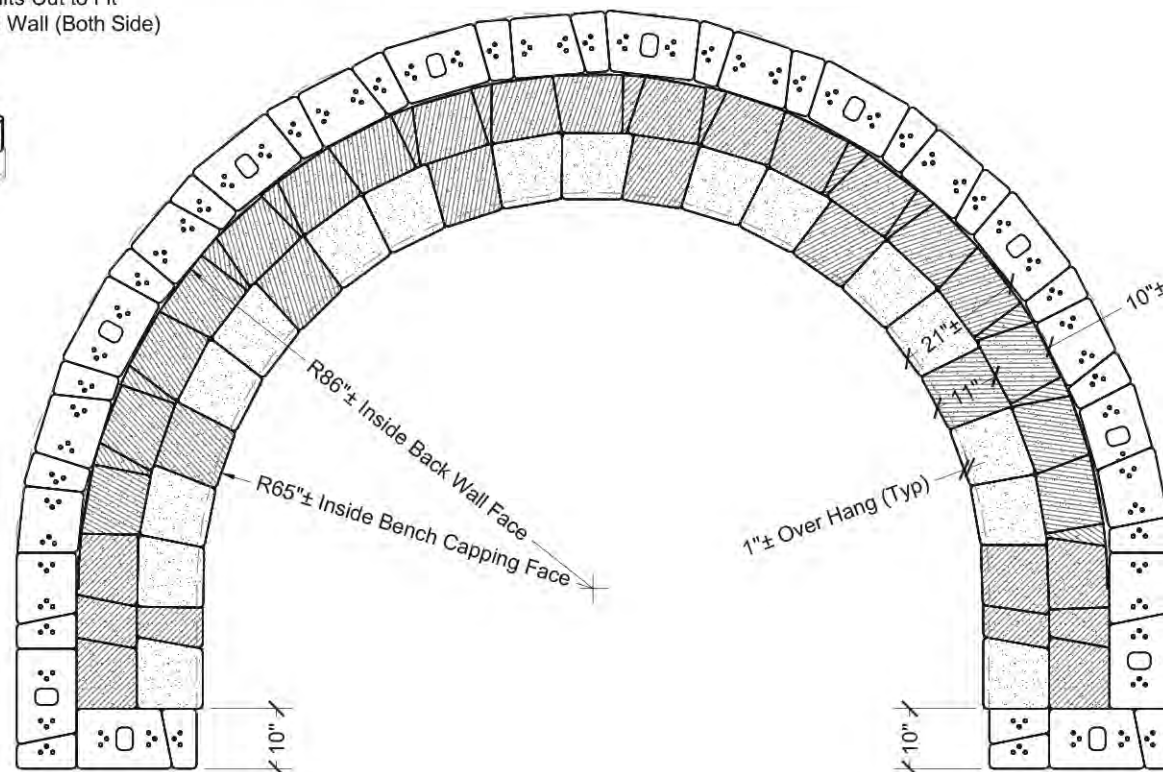
### Block Cutting Note:

Cap units to be cut are labeled with angular hatching.

### Bench Capping Note:

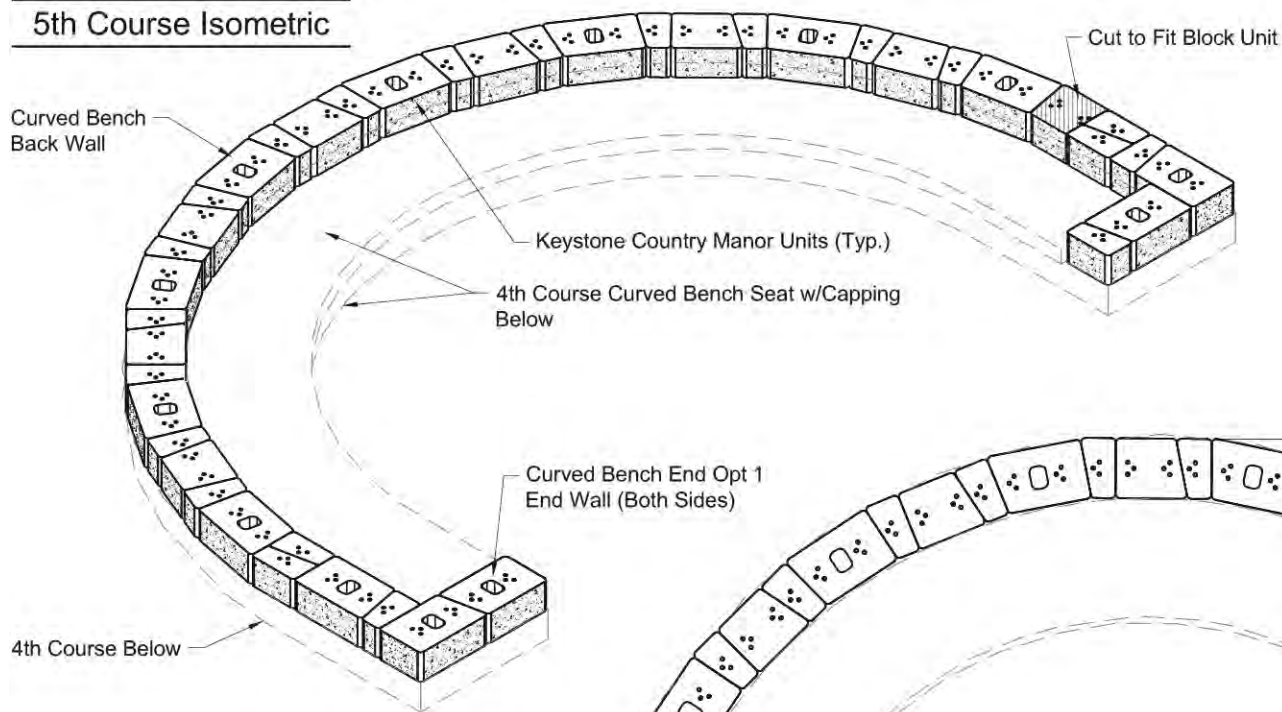
Cut cap units tight to the face of the 5th course back wall block units for best appearance.

## 4th Course Capping Plan



# COURSE BY COURSE INSTRUCTIONS

## 5th Course Isometric

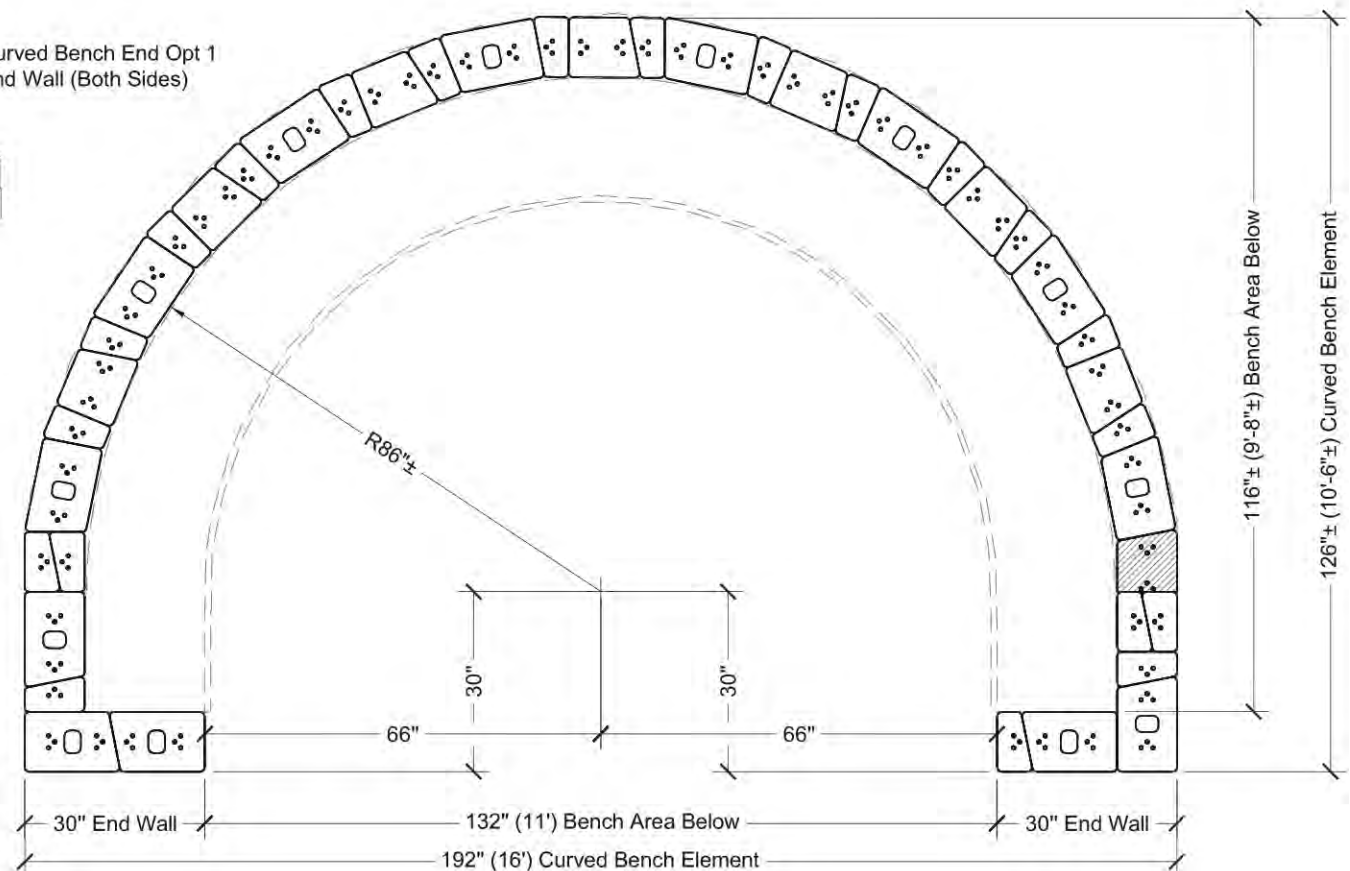


### Block Cutting Note:

Block units to be cut are labeled with angular hatching.

Option 1

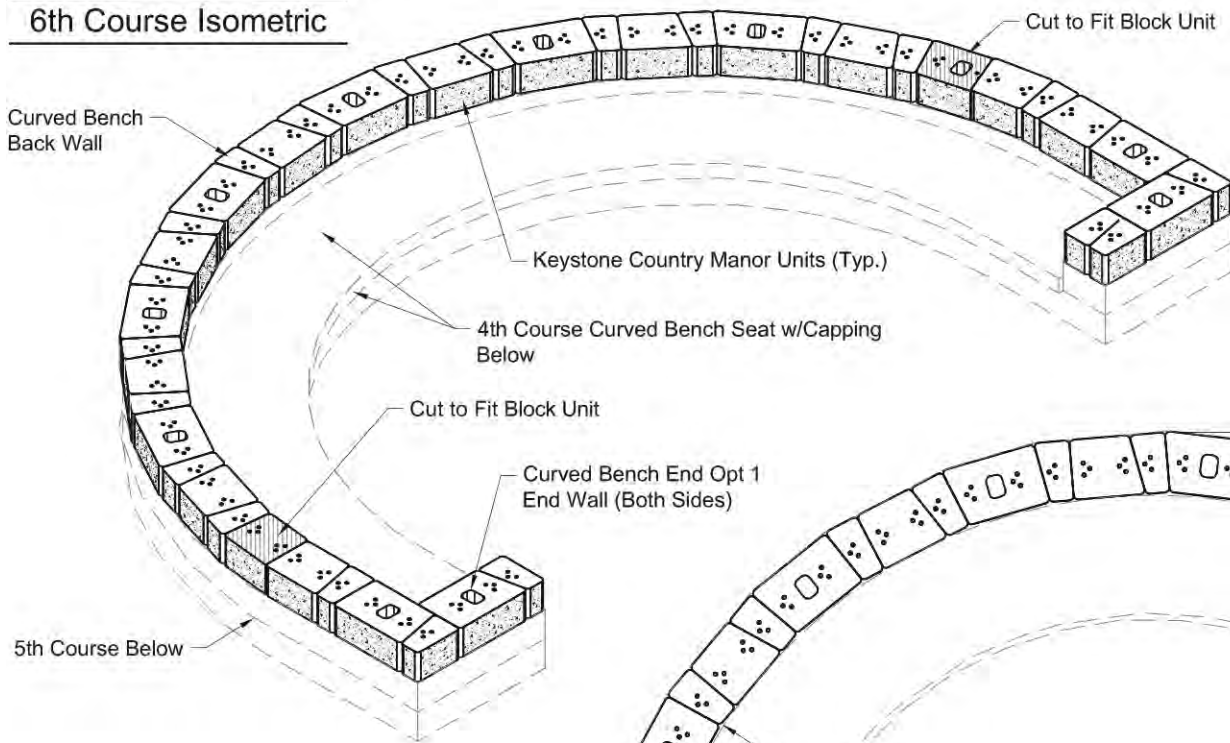
## 5th Course Plan



## COURSE BY COURSE INSTRUCTIONS

# Option 1

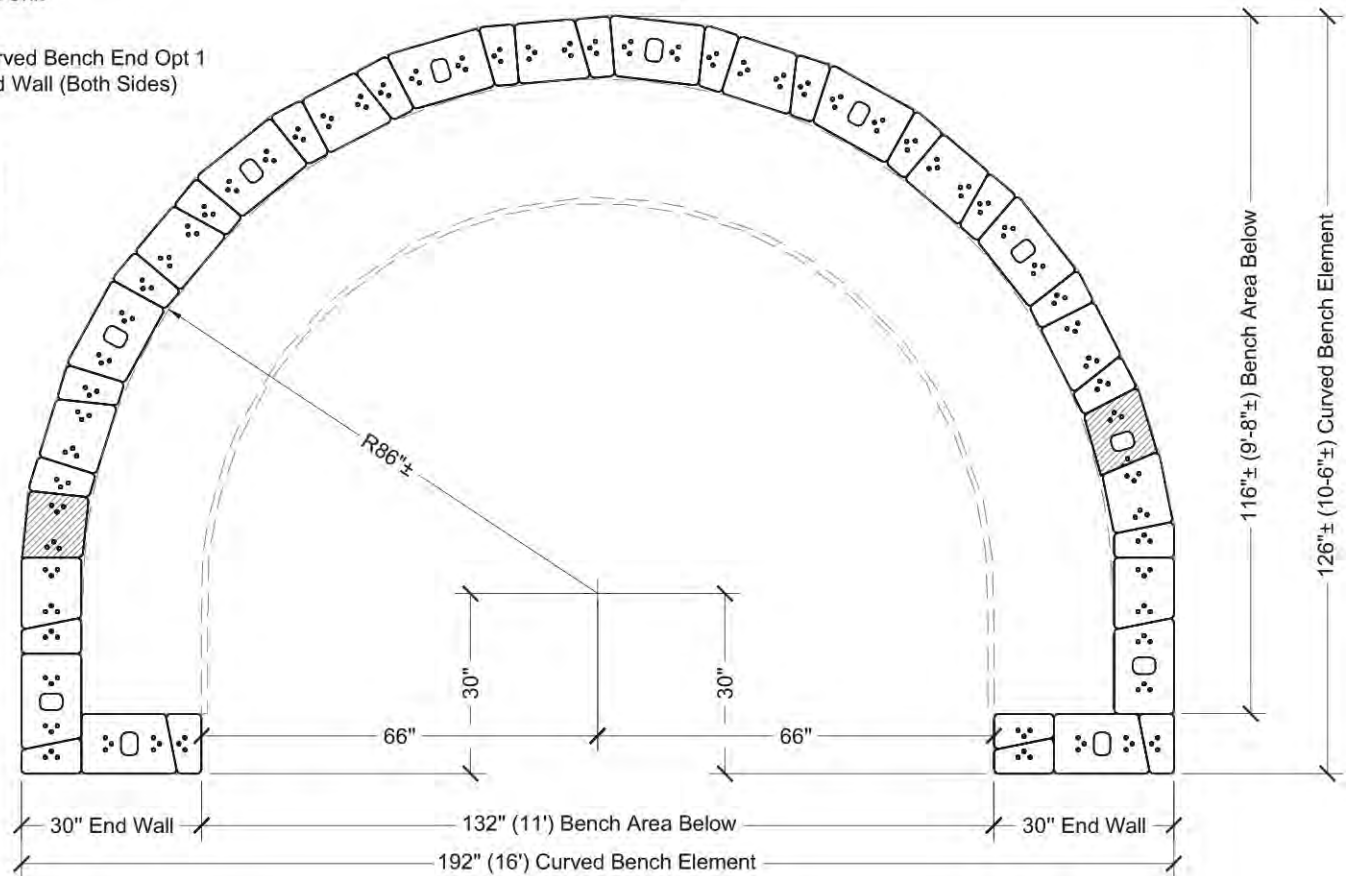
## 6th Course Isometric



**Block Cutting Note:**

Block units to be cut are labeled with angular hatching.

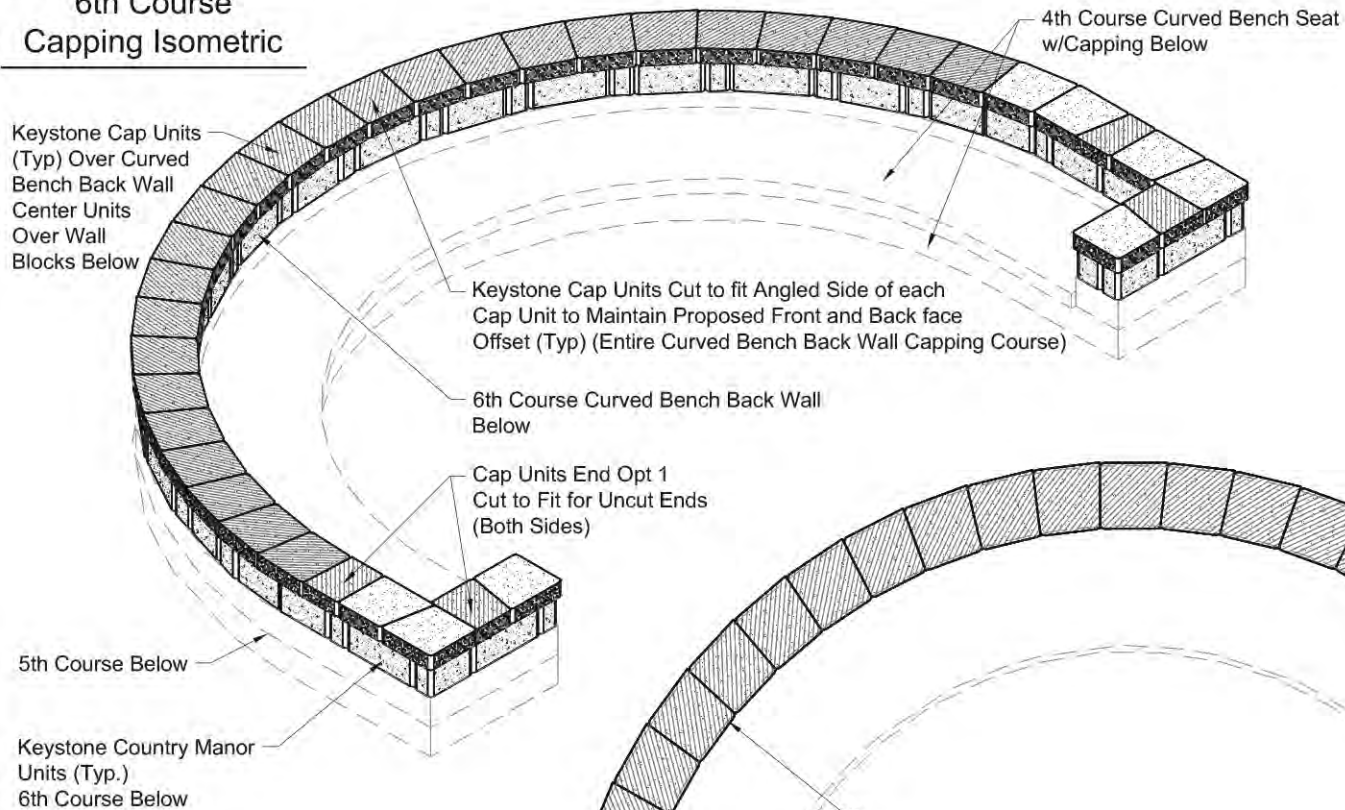
## 6th Course Plan



# COURSE BY COURSE INSTRUCTIONS

Option 1

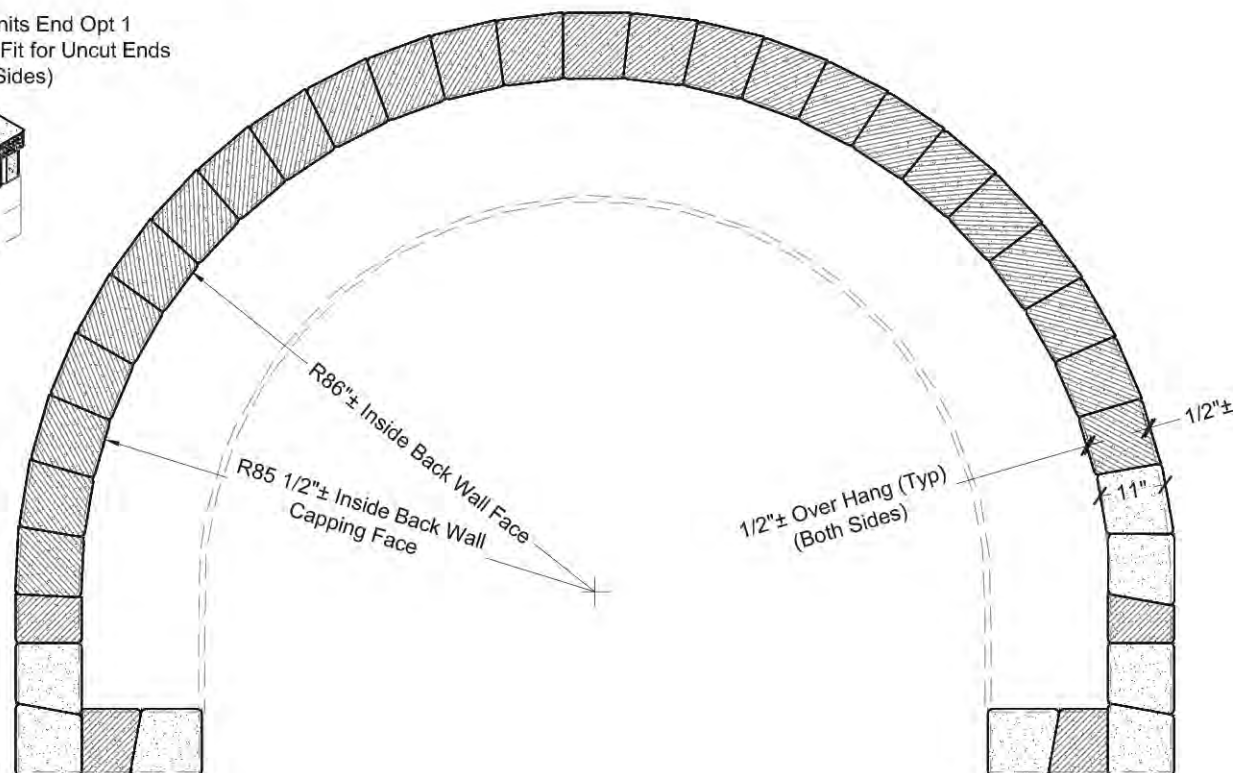
## 6th Course Capping Isometric



### Block Cutting Note:

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

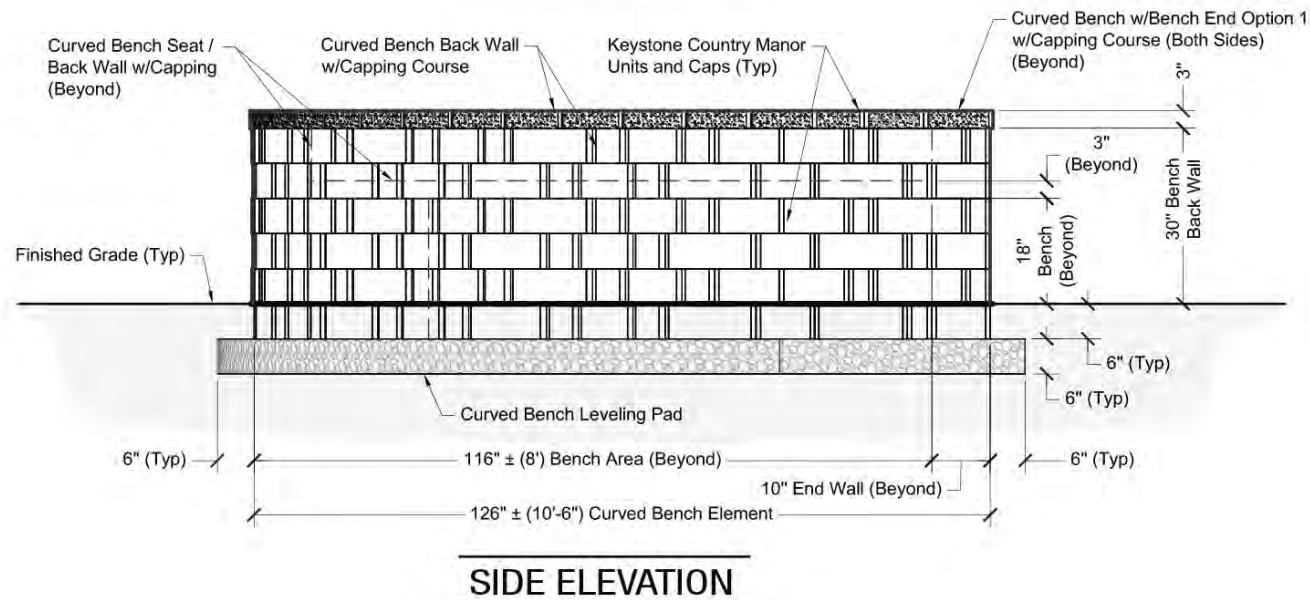
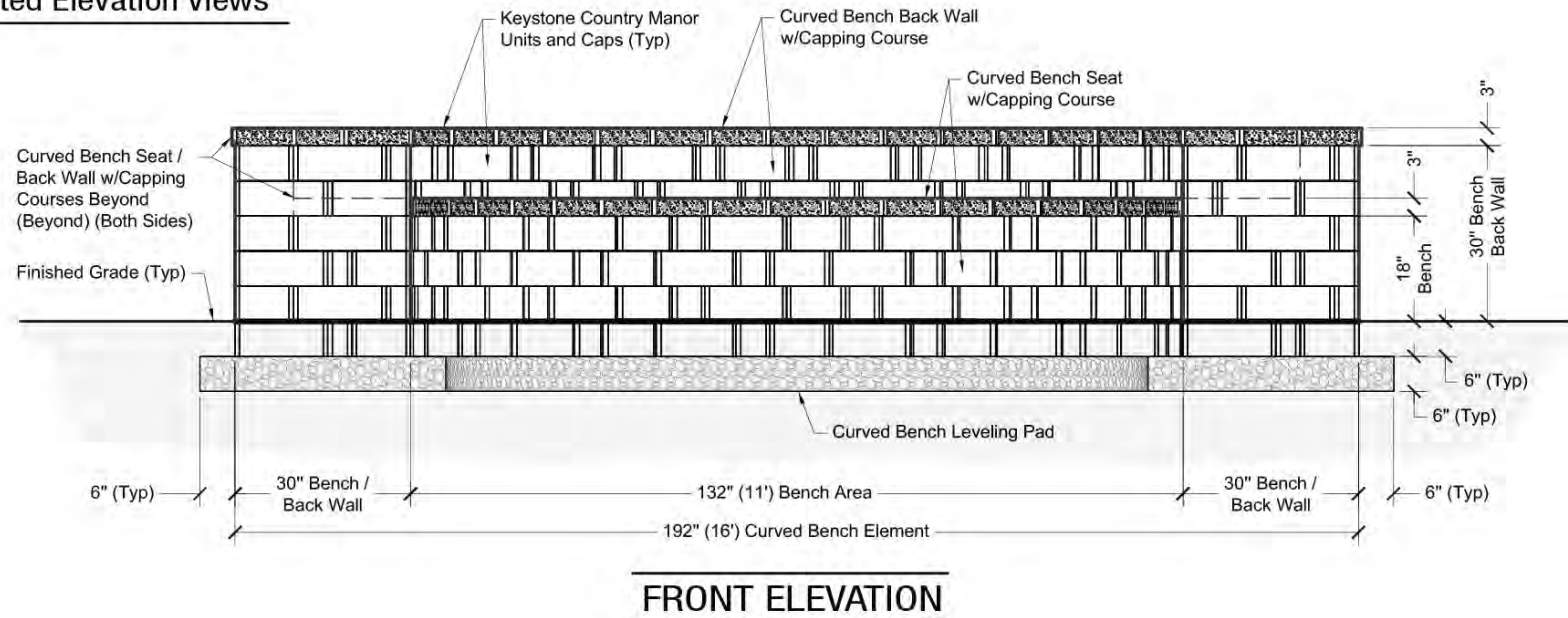
## 6th Course Capping Plan



# COURSE BY COURSE INSTRUCTIONS

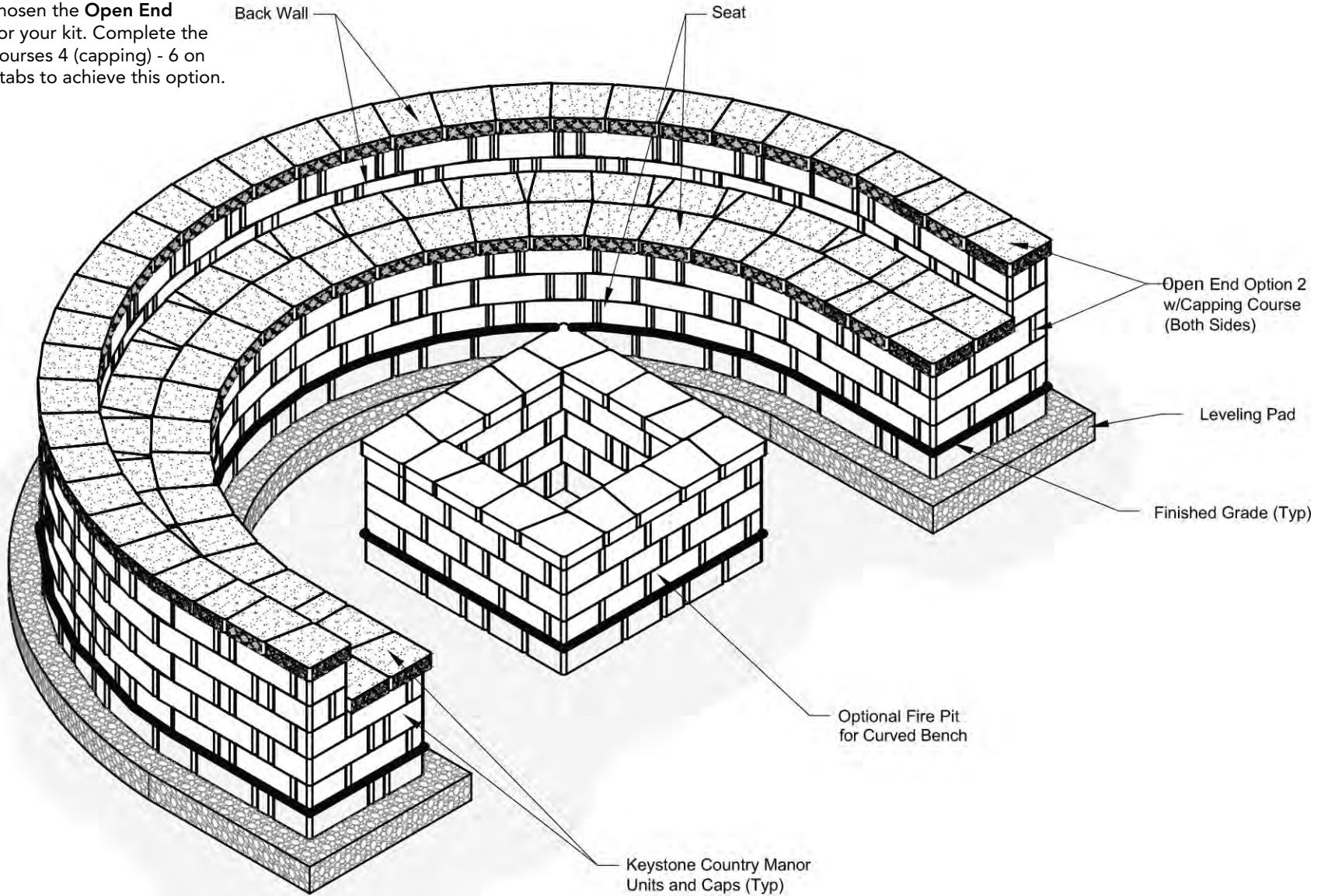
Option 1

## Completed Elevation Views



## Open End Option

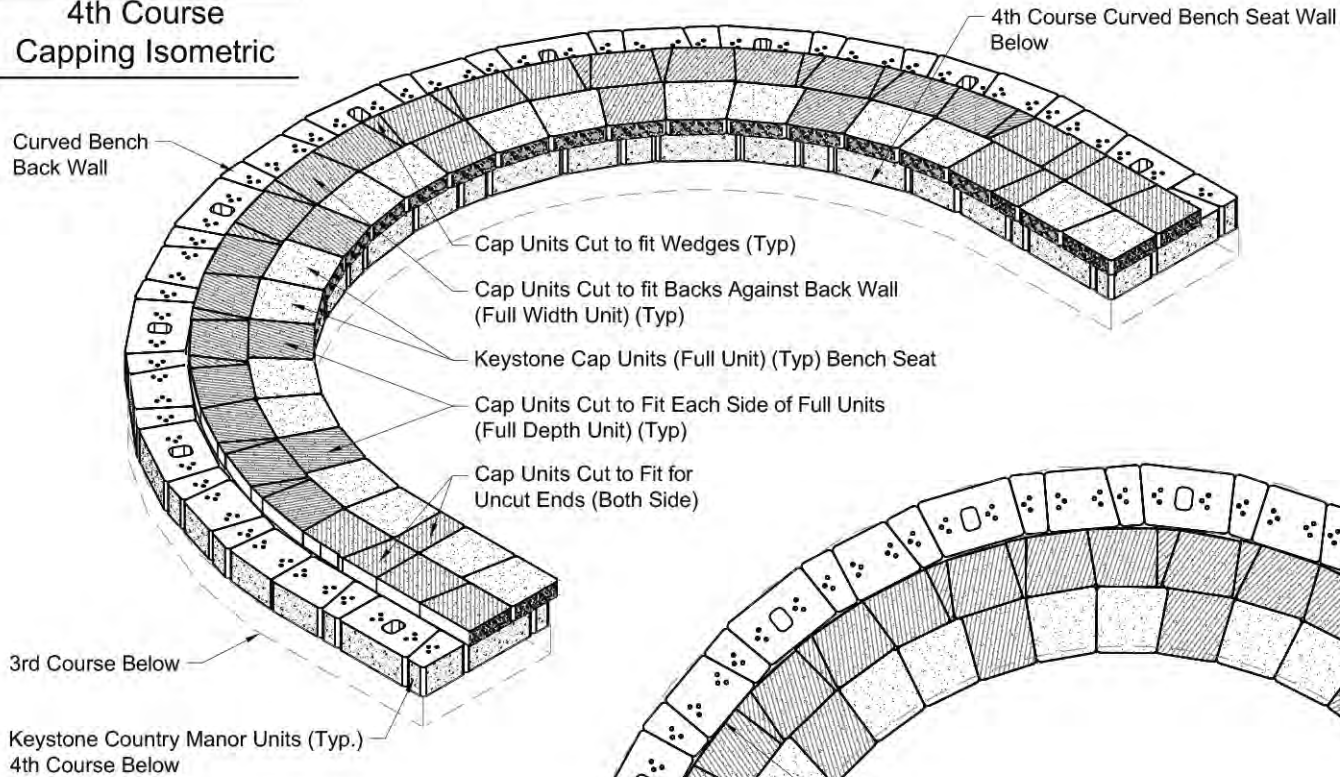
You have chosen the **Open End Option 2** for your kit. Complete the following courses 4 (capping) - 6 on the **Green** tabs to achieve this option.



# COURSE BY COURSE INSTRUCTIONS

Option 2

## 4th Course Capping Isometric



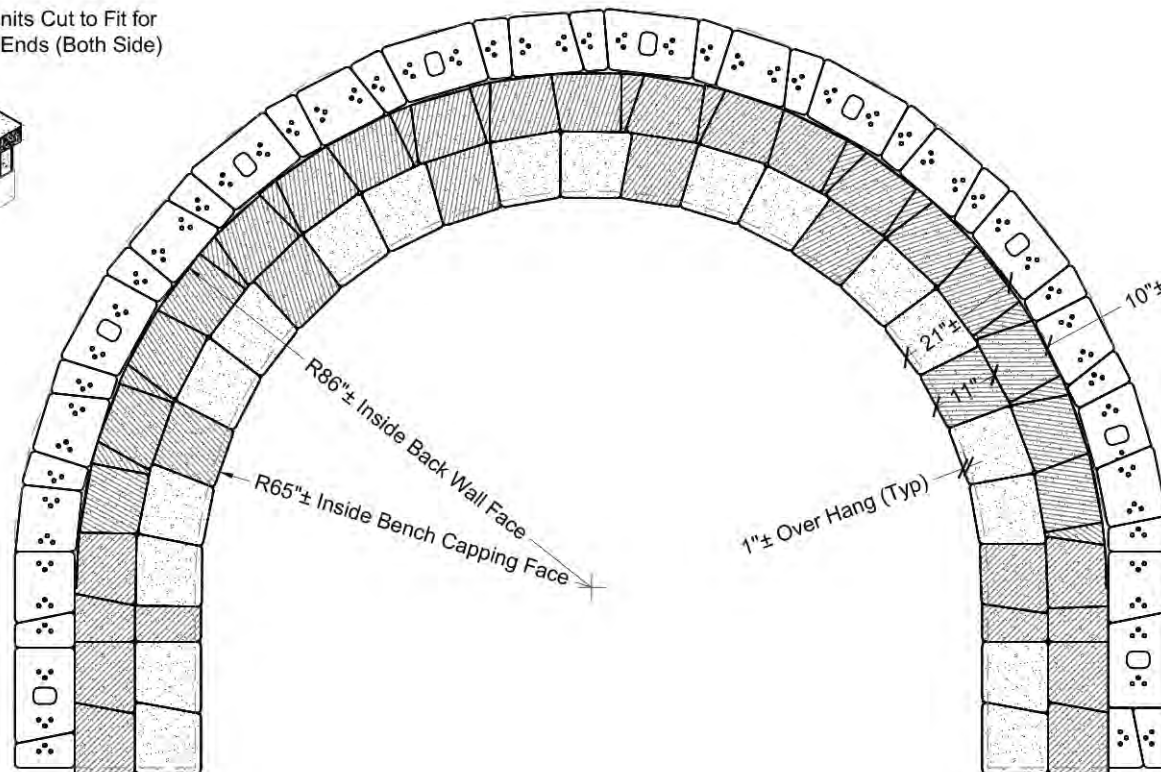
### Block Cutting Note:

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.

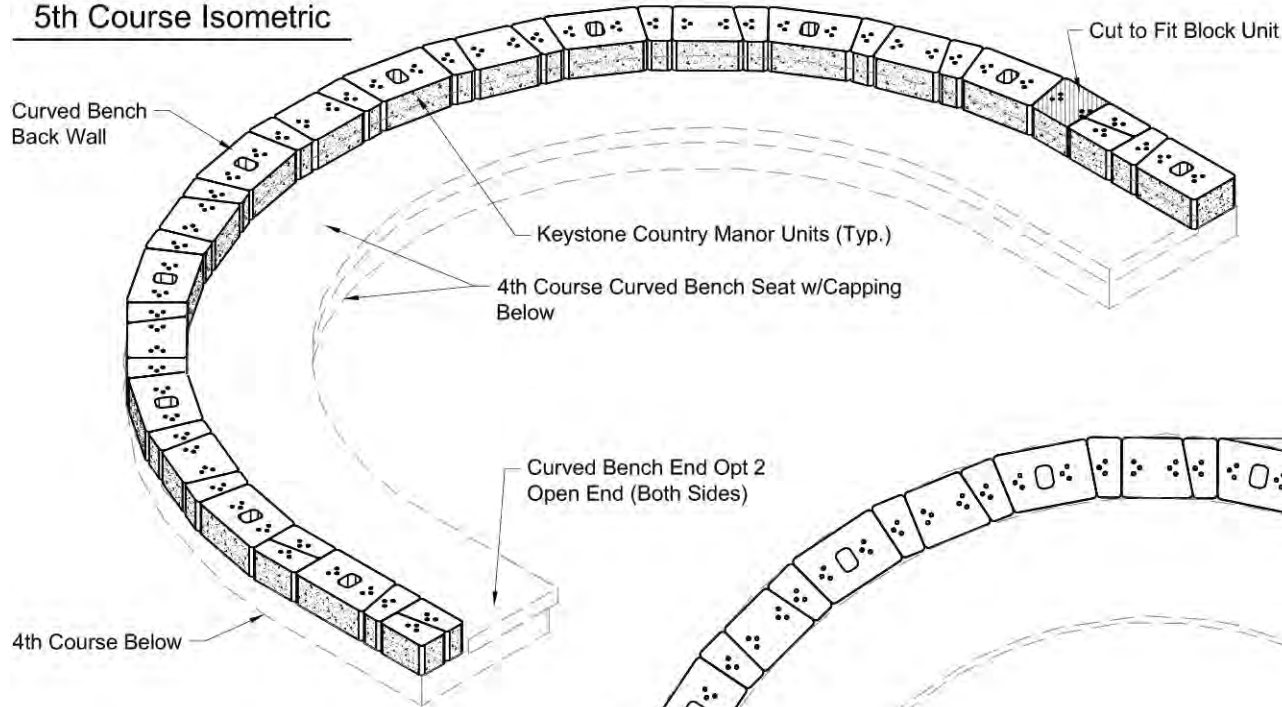
## 4th Course Capping Plan



# COURSE BY COURSE INSTRUCTIONS

Option 2

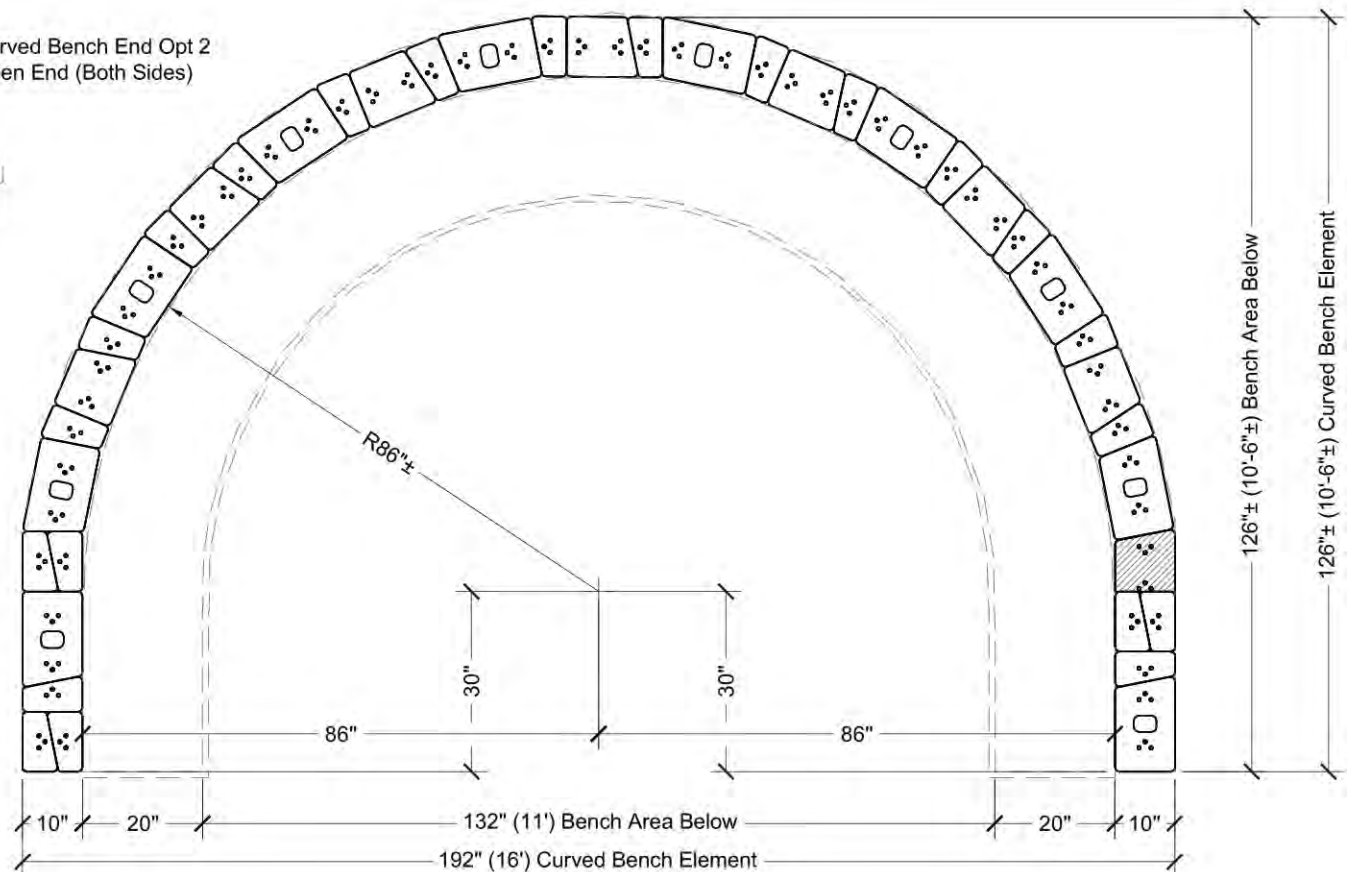
## 5th Course Isometric



### Block Cutting Note:

Block units to be cut are labeled with angular hatching.

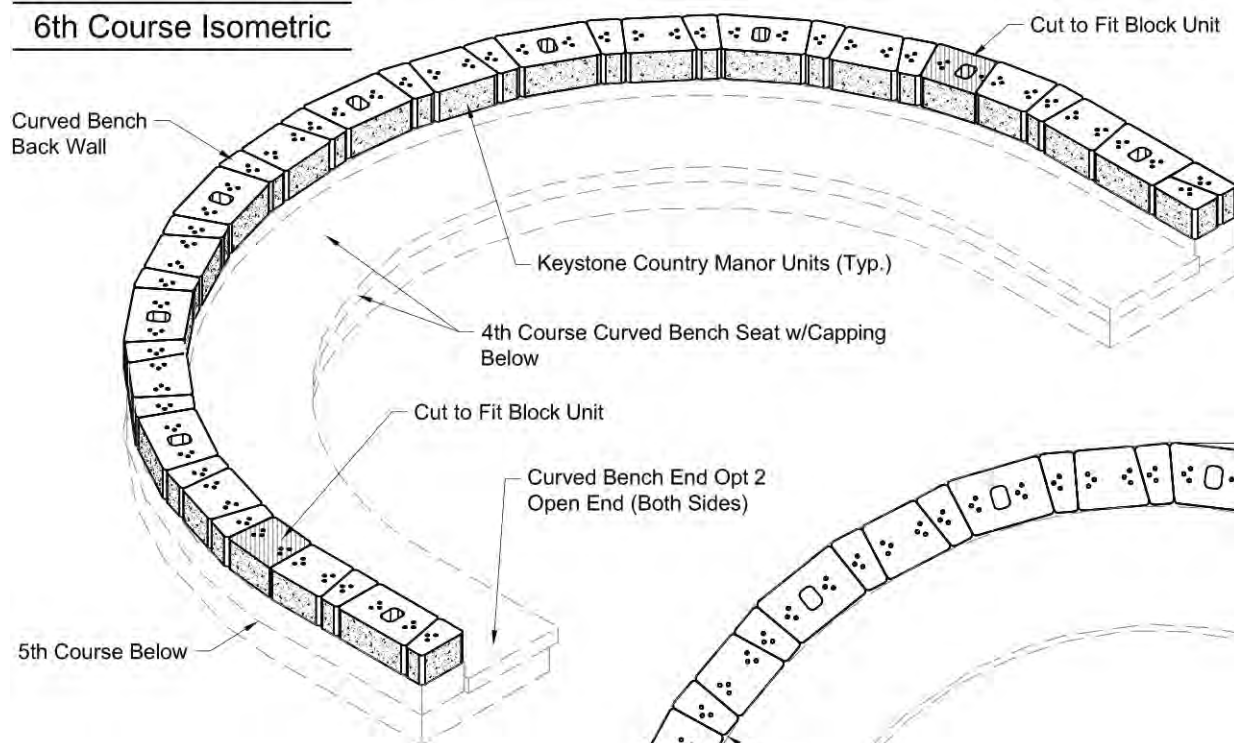
## 5th Course Plan



# COURSE BY COURSE INSTRUCTIONS

Option 2

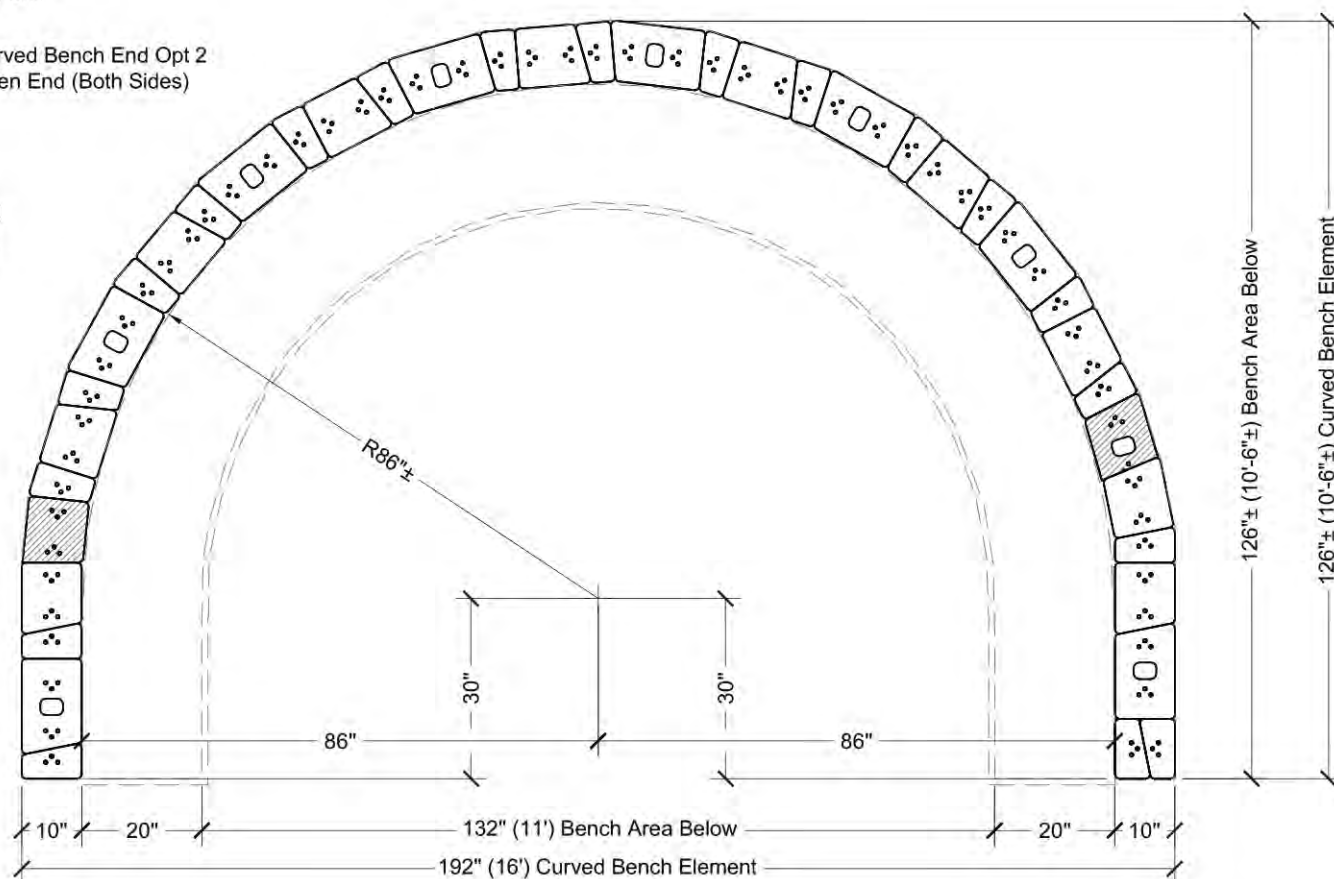
## 6th Course Isometric



### Block Cutting Note:

Block units to be cut are labeled with angular hatching.

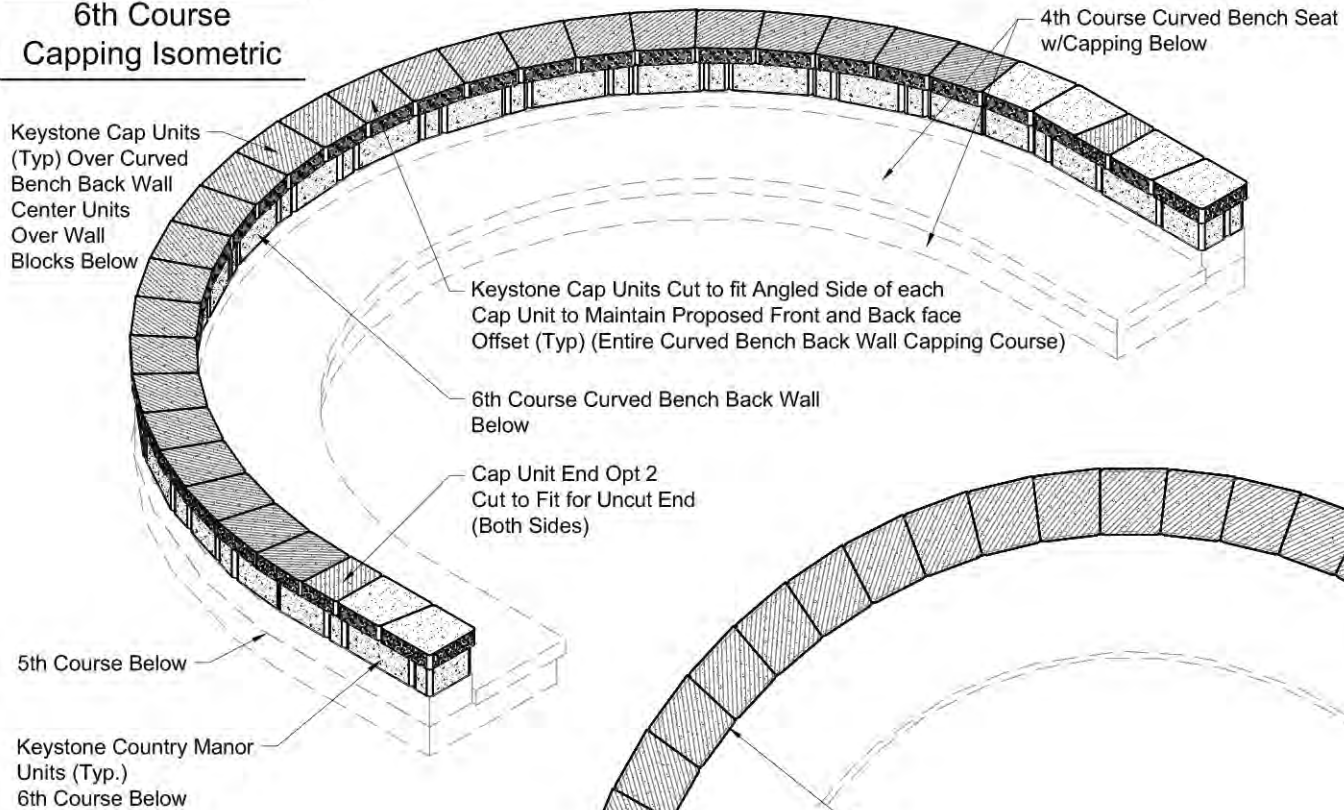
## 6th Course Plan



# COURSE BY COURSE INSTRUCTIONS

Option 2

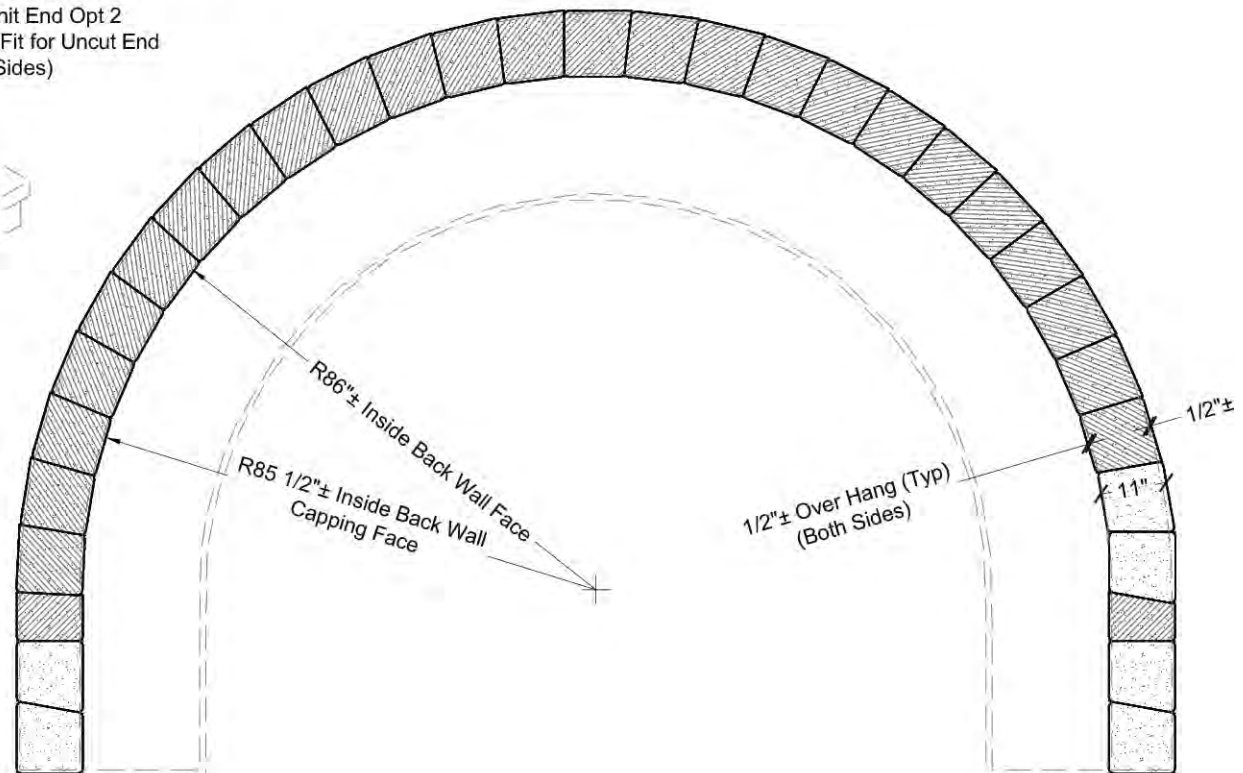
## 6th Course Capping Isometric



### Block Cutting Note:

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

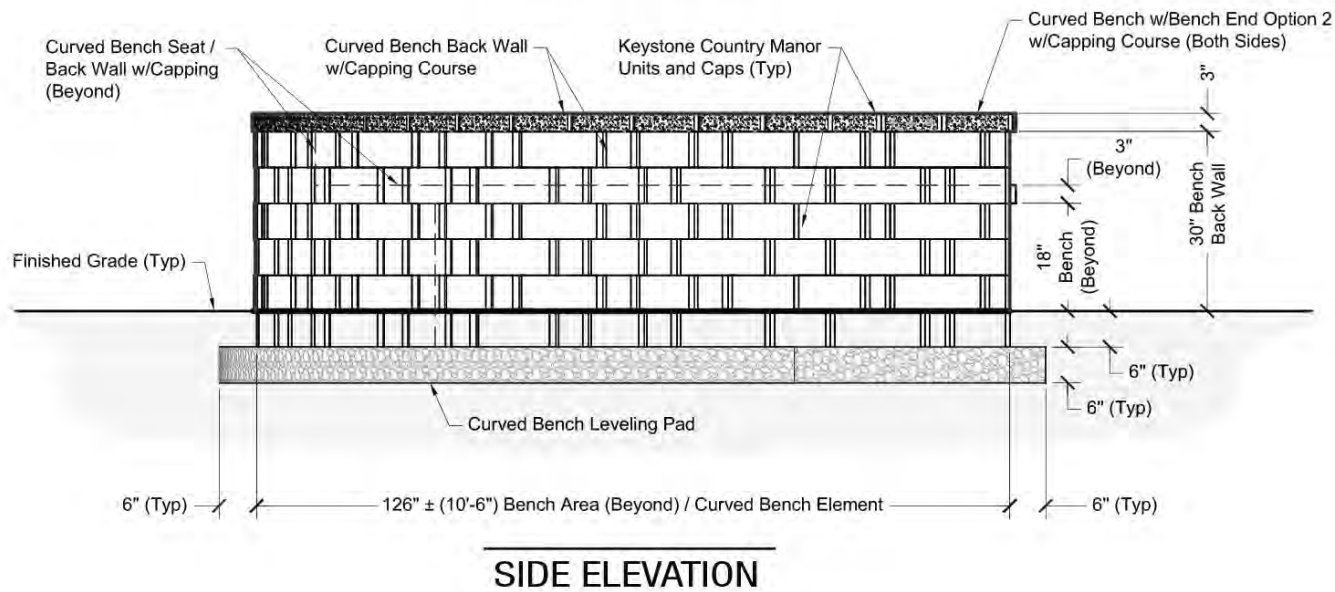
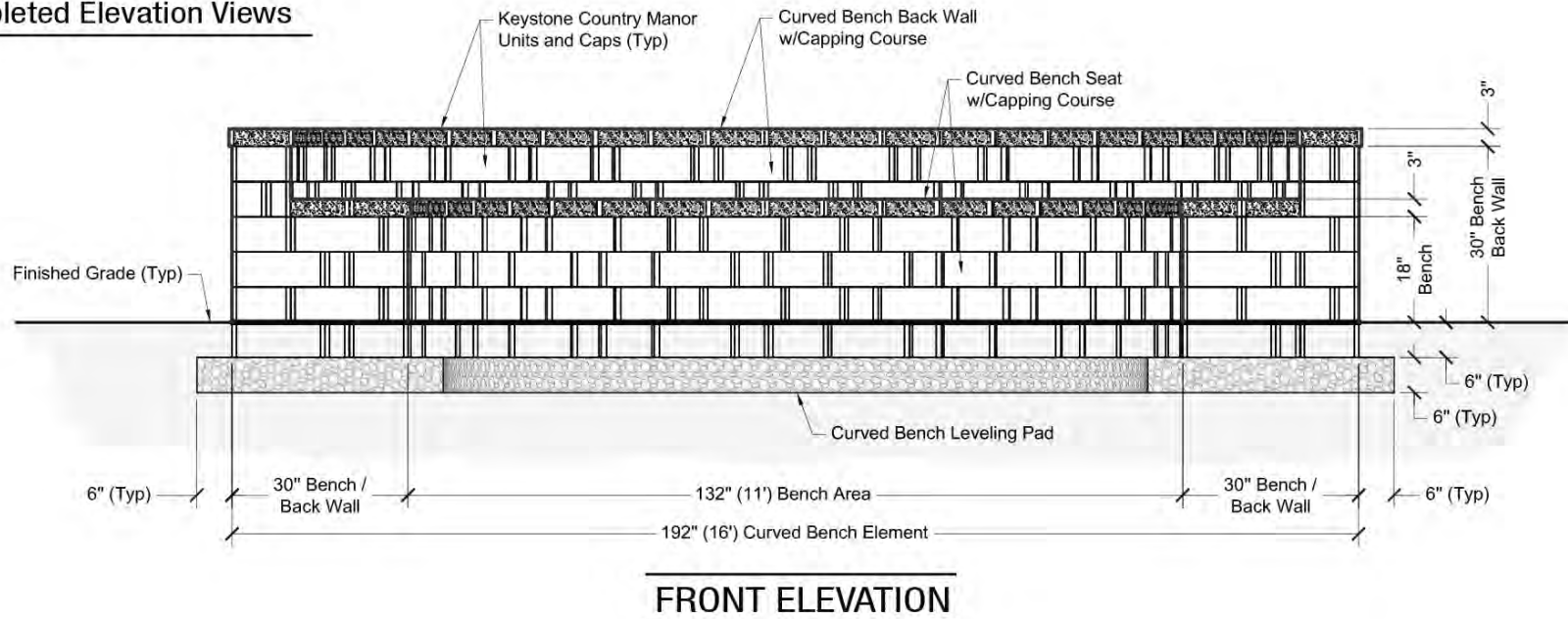
## 6th Course Capping Plan



# COURSE BY COURSE INSTRUCTIONS

Option 2

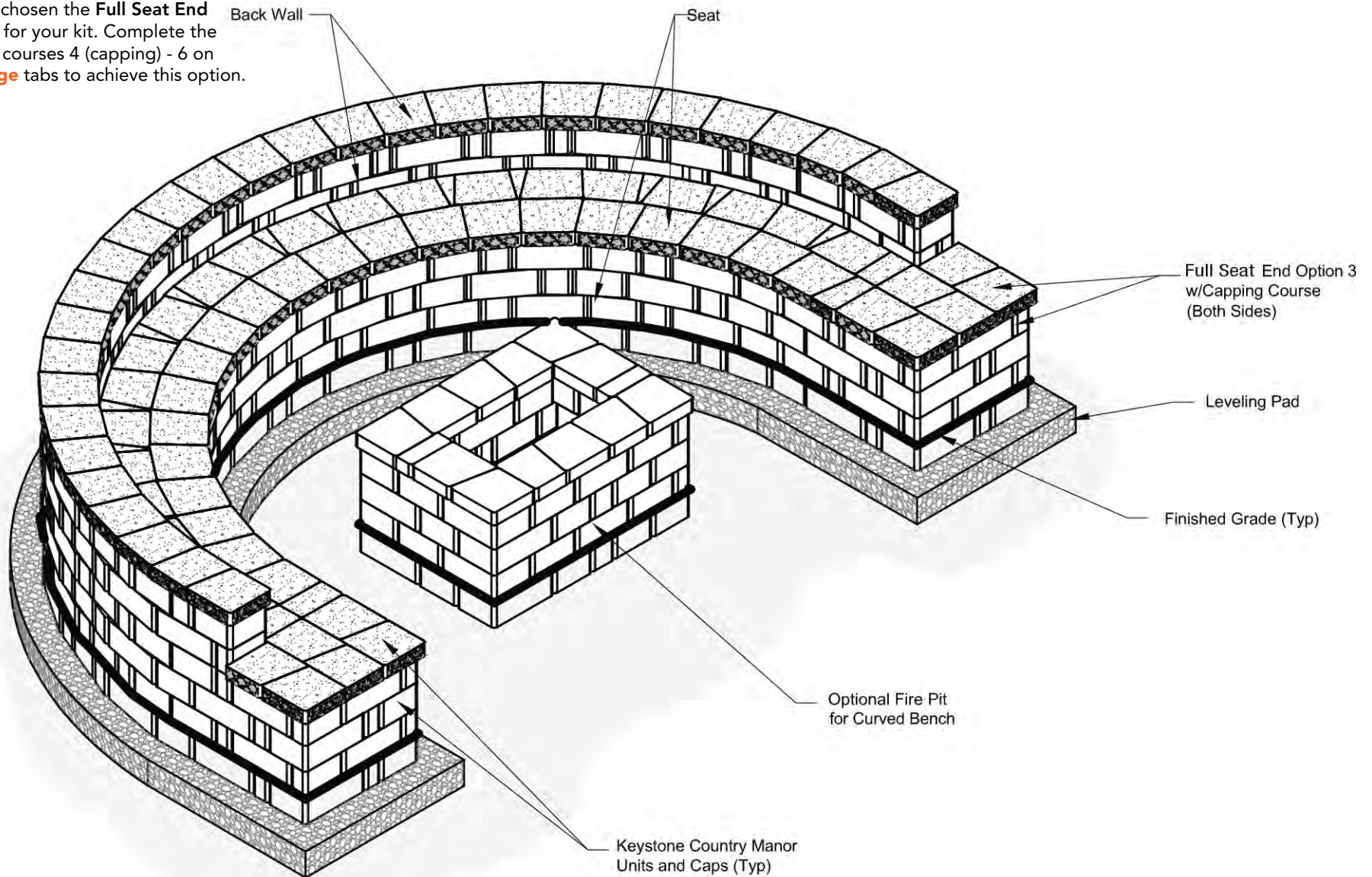
## Completed Elevation Views



## Full Seat End Option

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

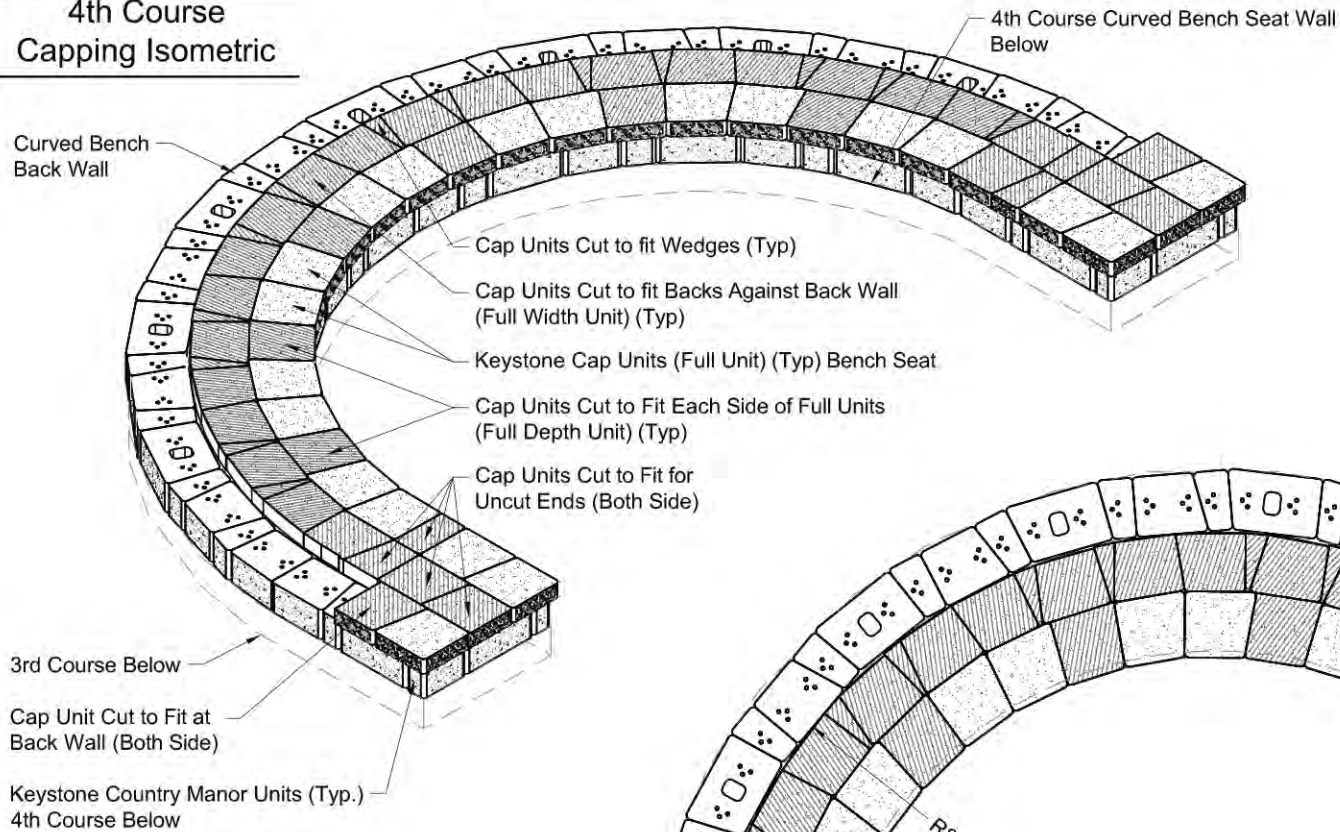
Option 3



# COURSE BY COURSE INSTRUCTIONS

Option 3

## 4th Course Capping Isometric



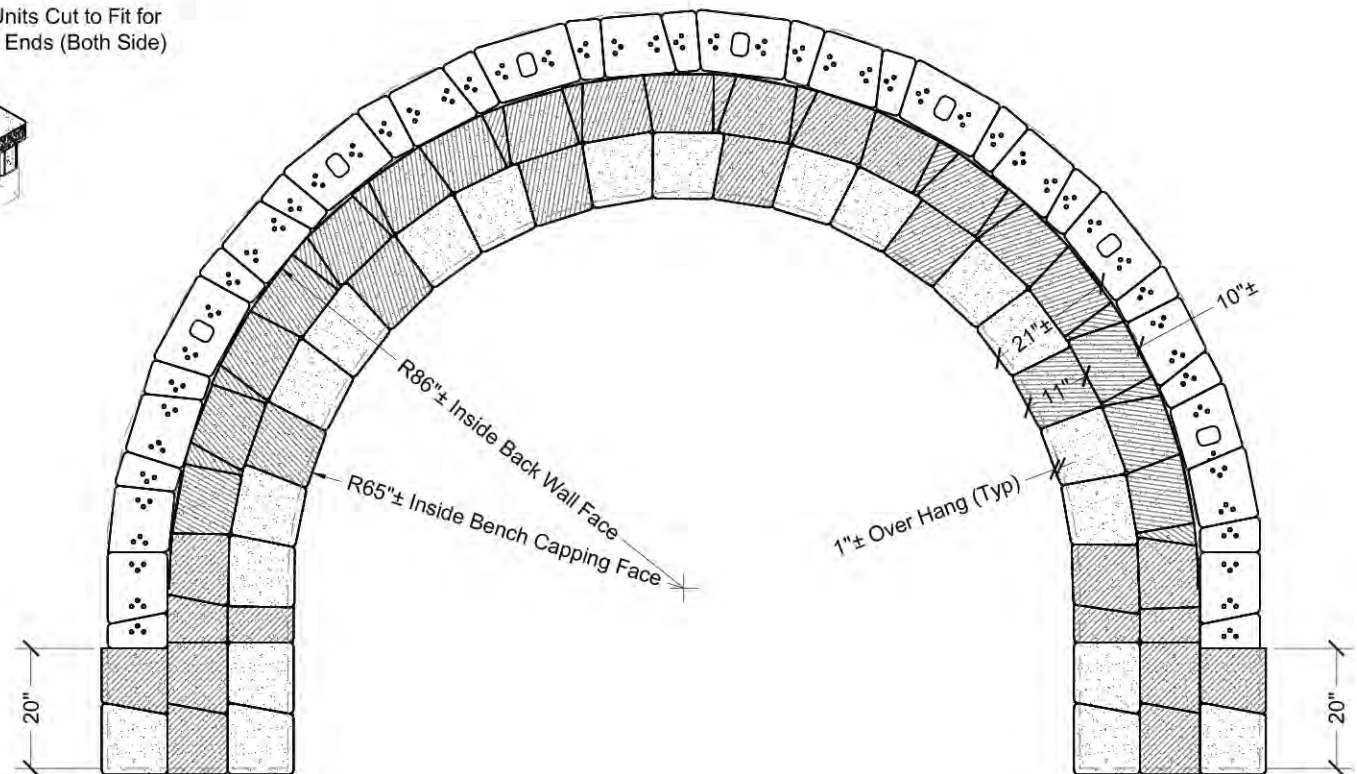
### Block Cutting Note:

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.

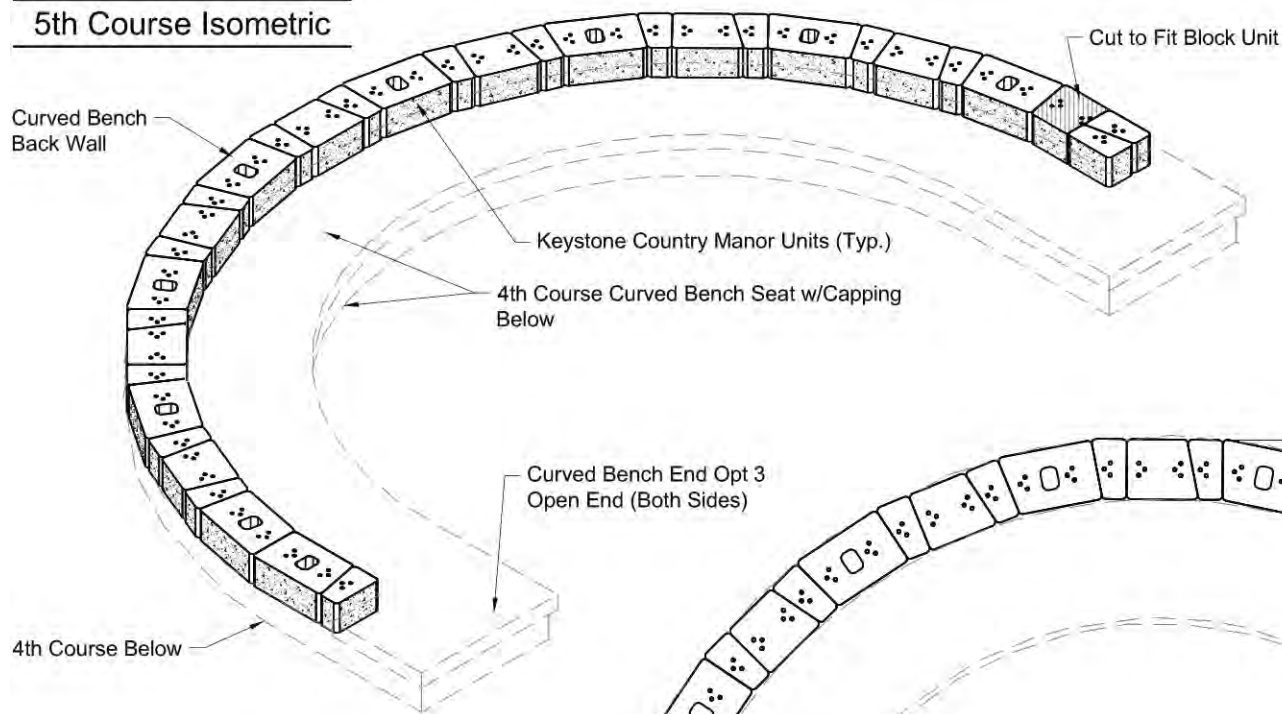
## 4th Course Capping Plan



# COURSE BY COURSE INSTRUCTIONS

Option 3

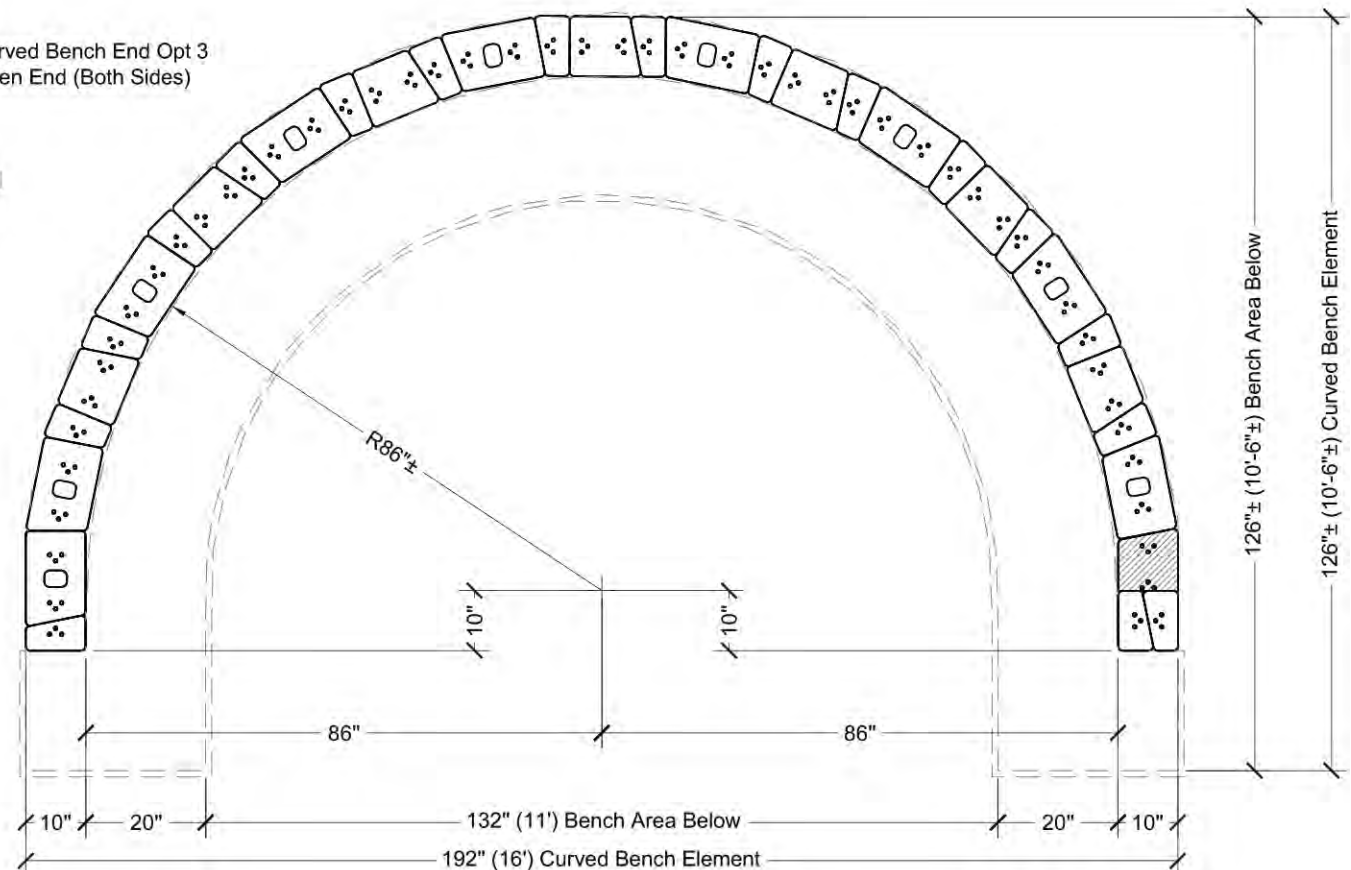
## 5th Course Isometric



### Block Cutting Note:

Block units to be cut are labeled with angular hatching.

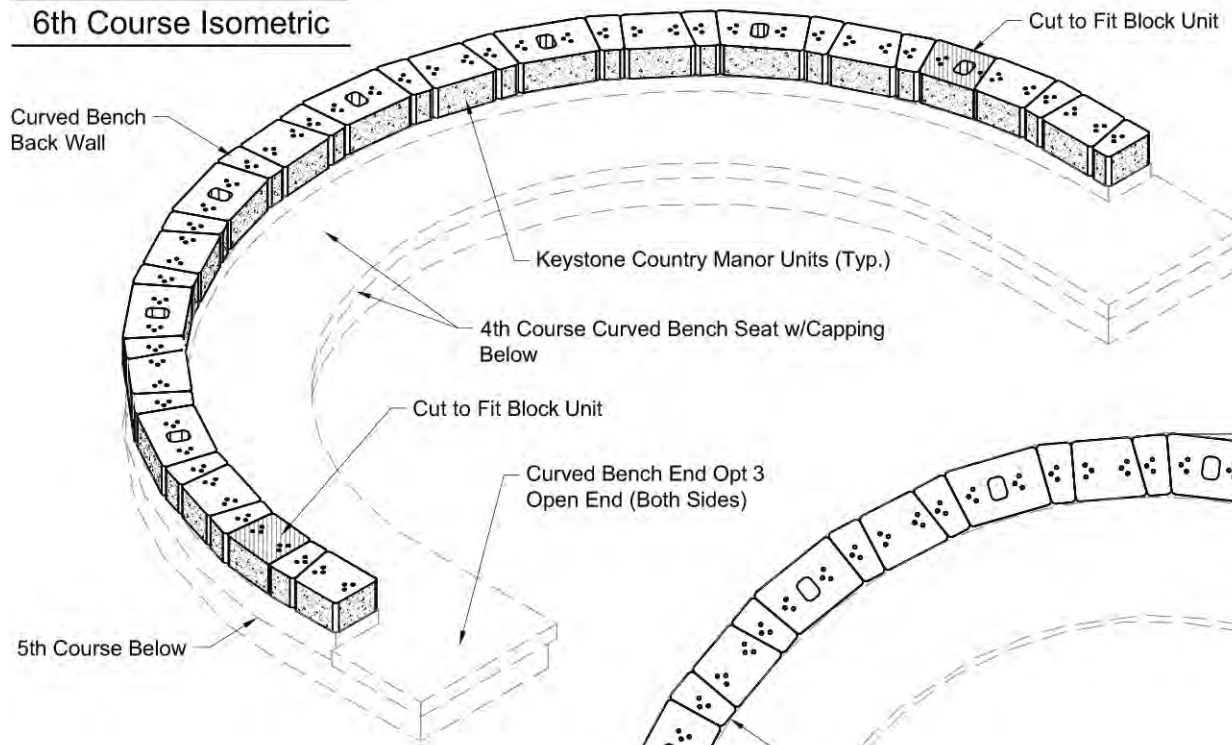
## 5th Course Plan



# COURSE BY COURSE INSTRUCTIONS

Option 3

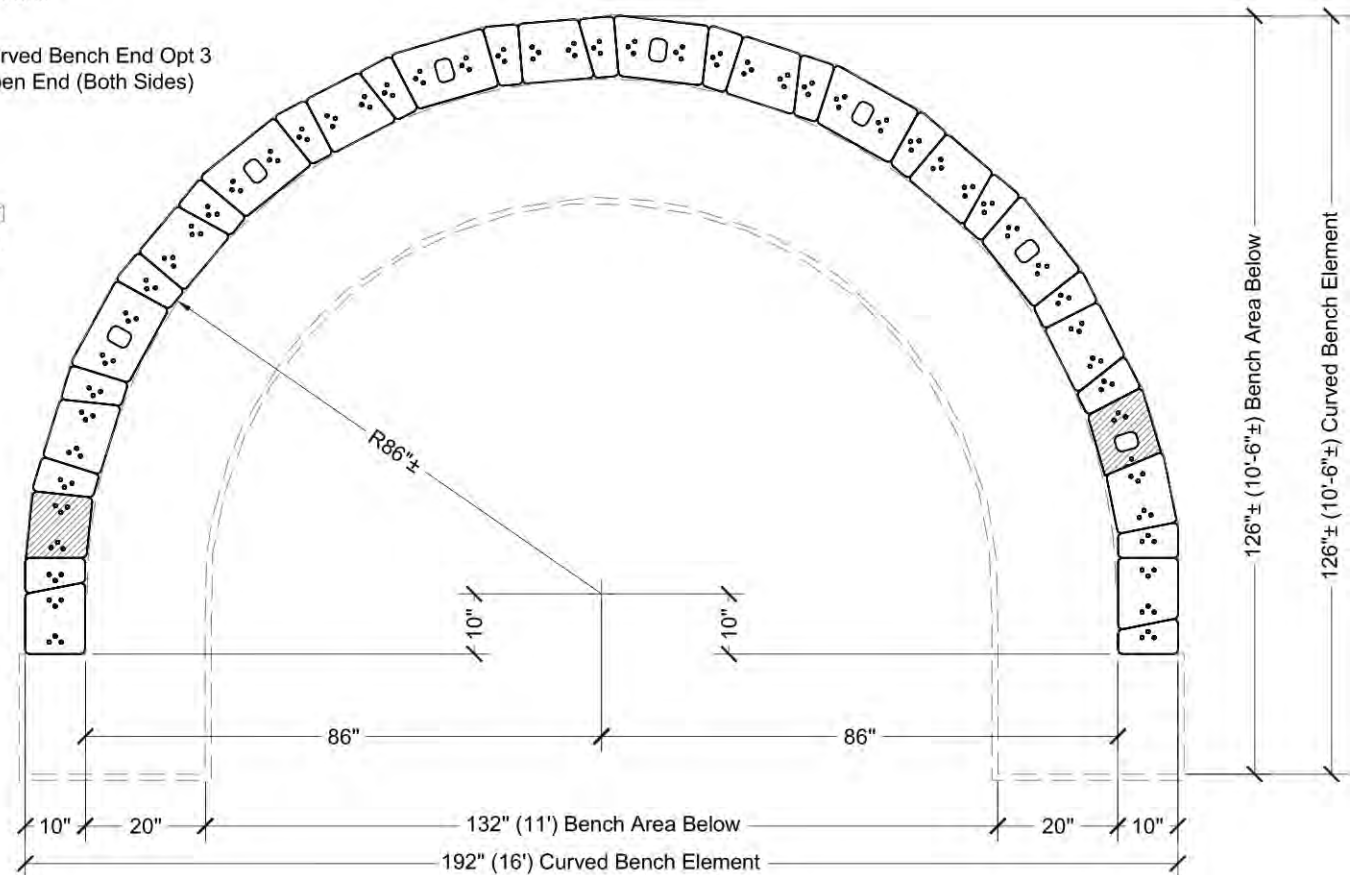
## 6th Course Isometric



### Block Cutting Note:

Block units to be cut are labeled with angular hatching.

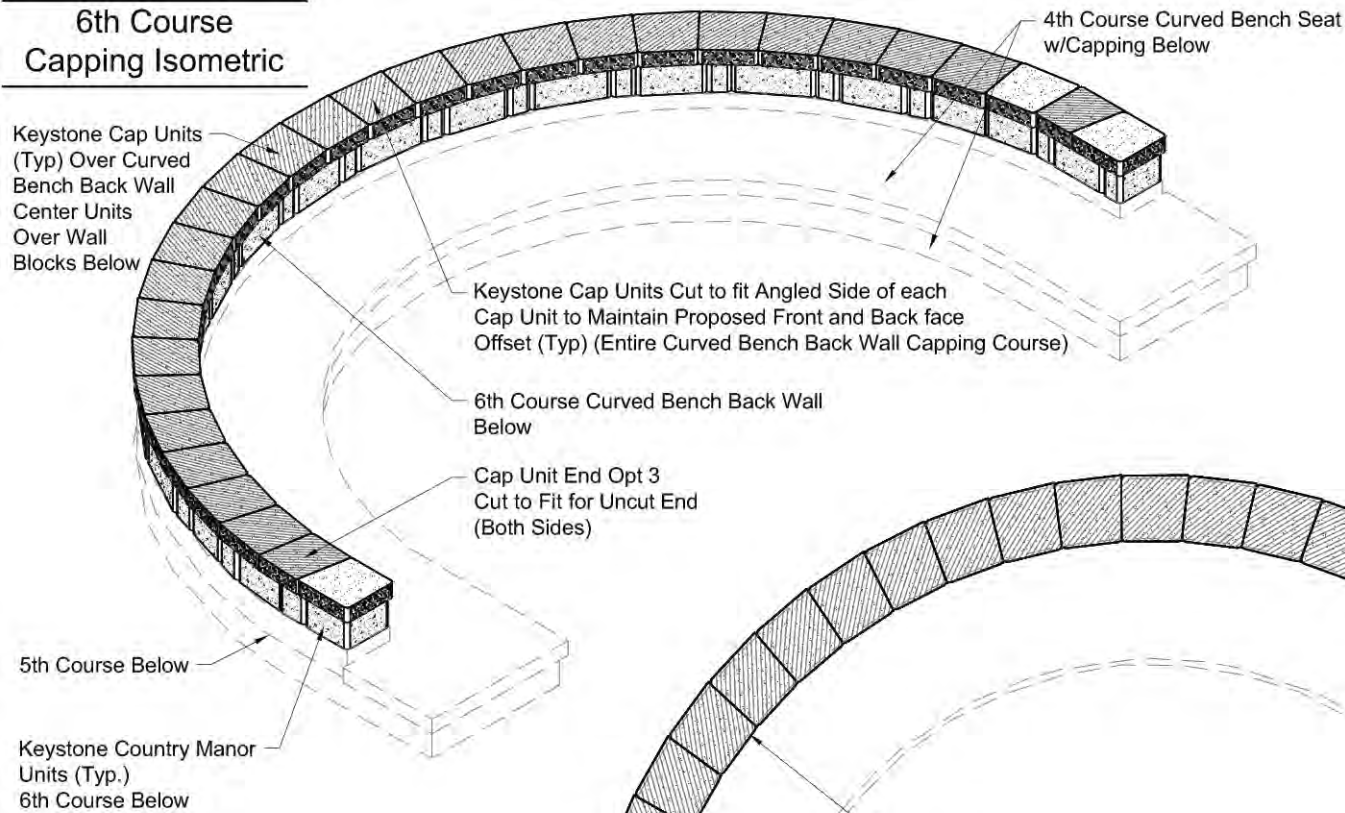
## 6th Course Plan



# COURSE BY COURSE INSTRUCTIONS

Option 3

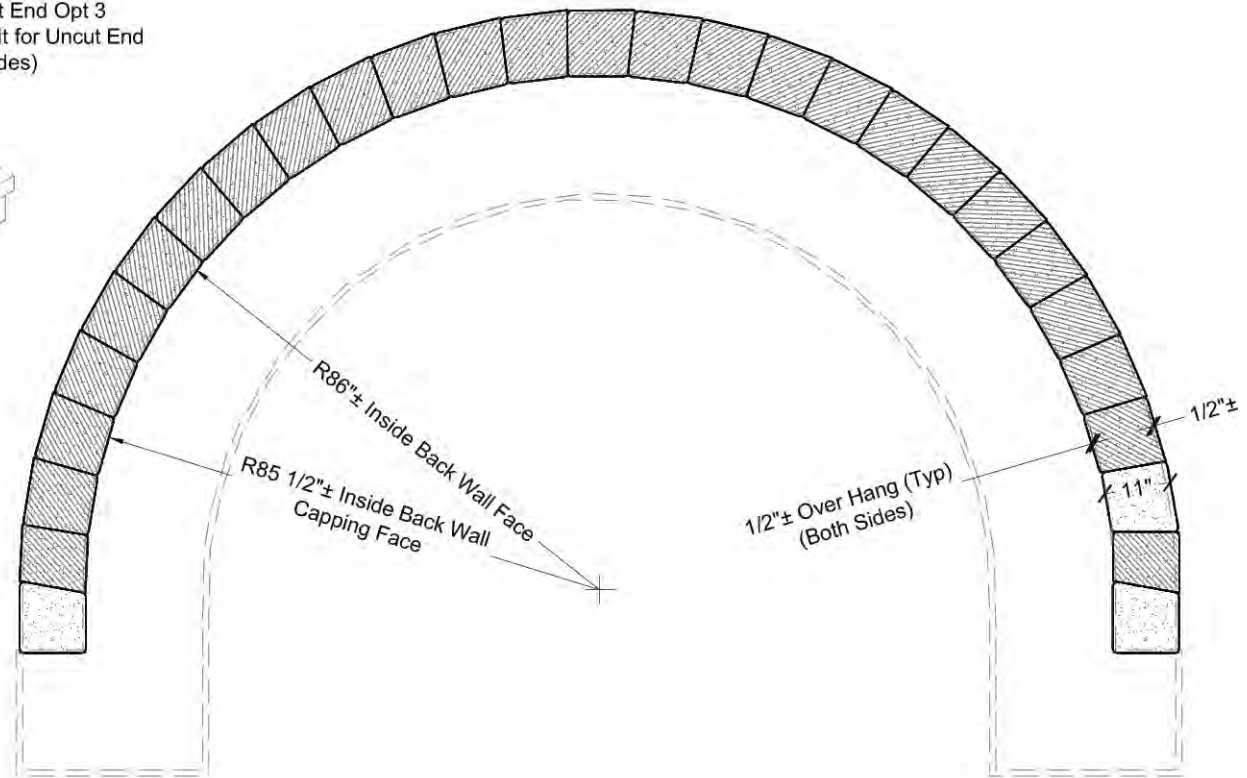
## 6th Course Capping Isometric



### Block Cutting Note:

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

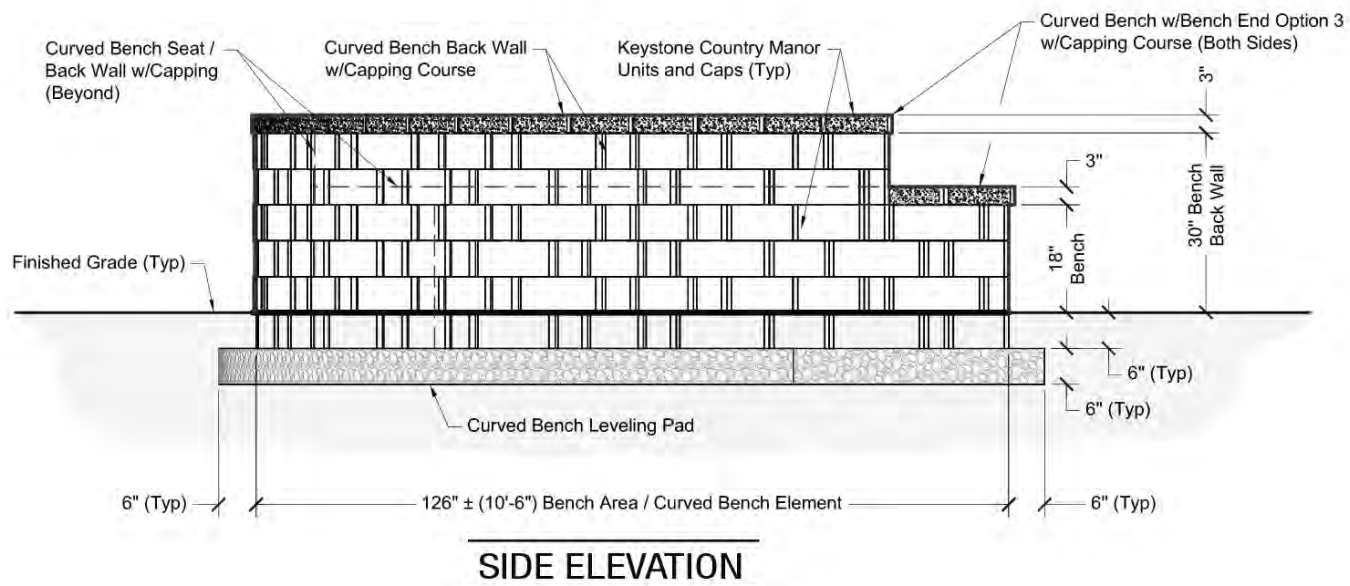
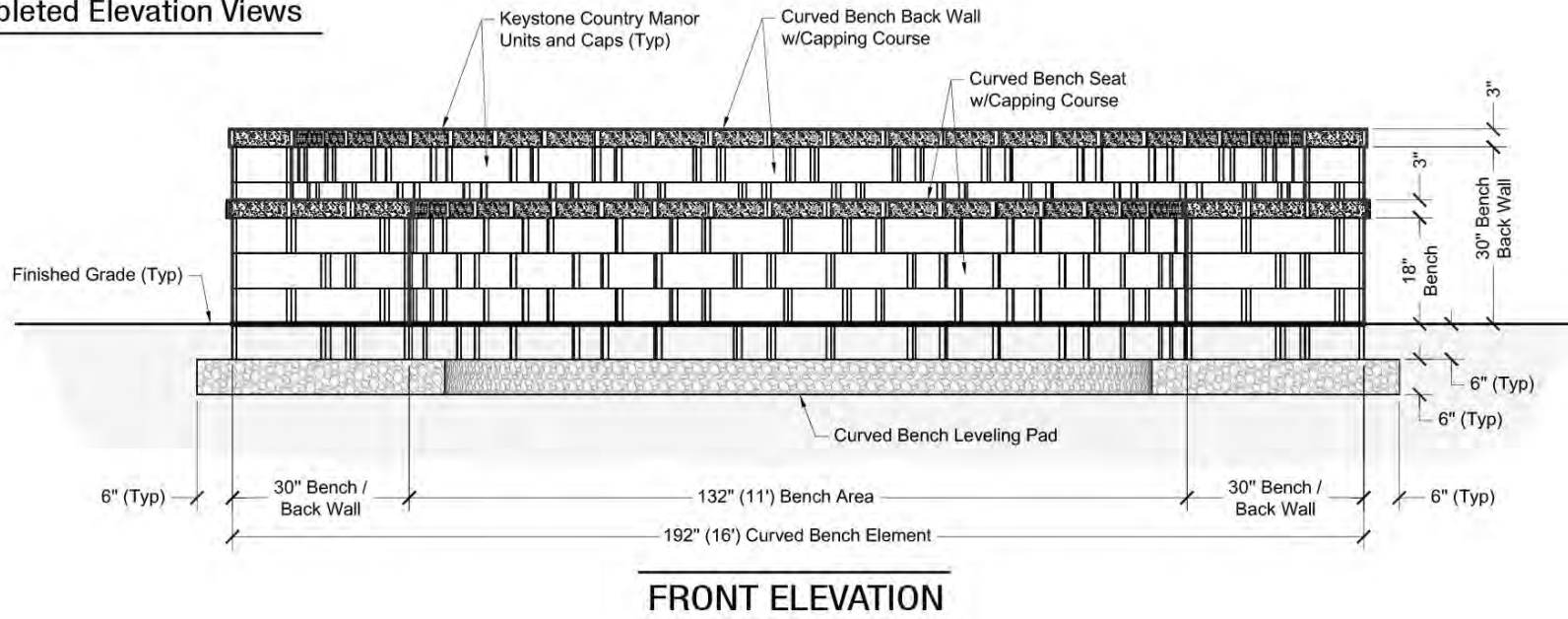
## 6th Course Capping Plan



# COURSE BY COURSE INSTRUCTIONS

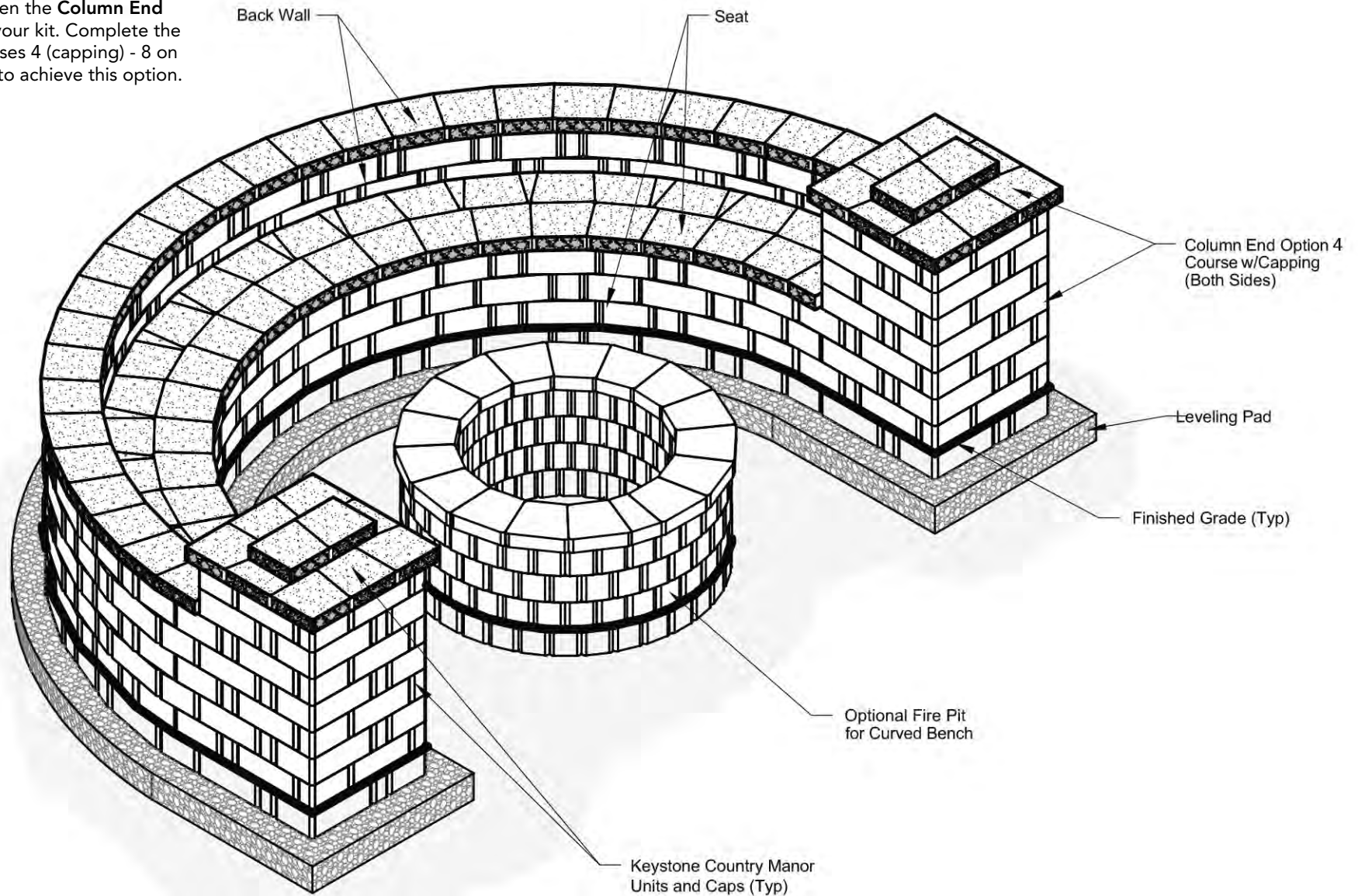
Option 3

## Completed Elevation Views



## Column End Option

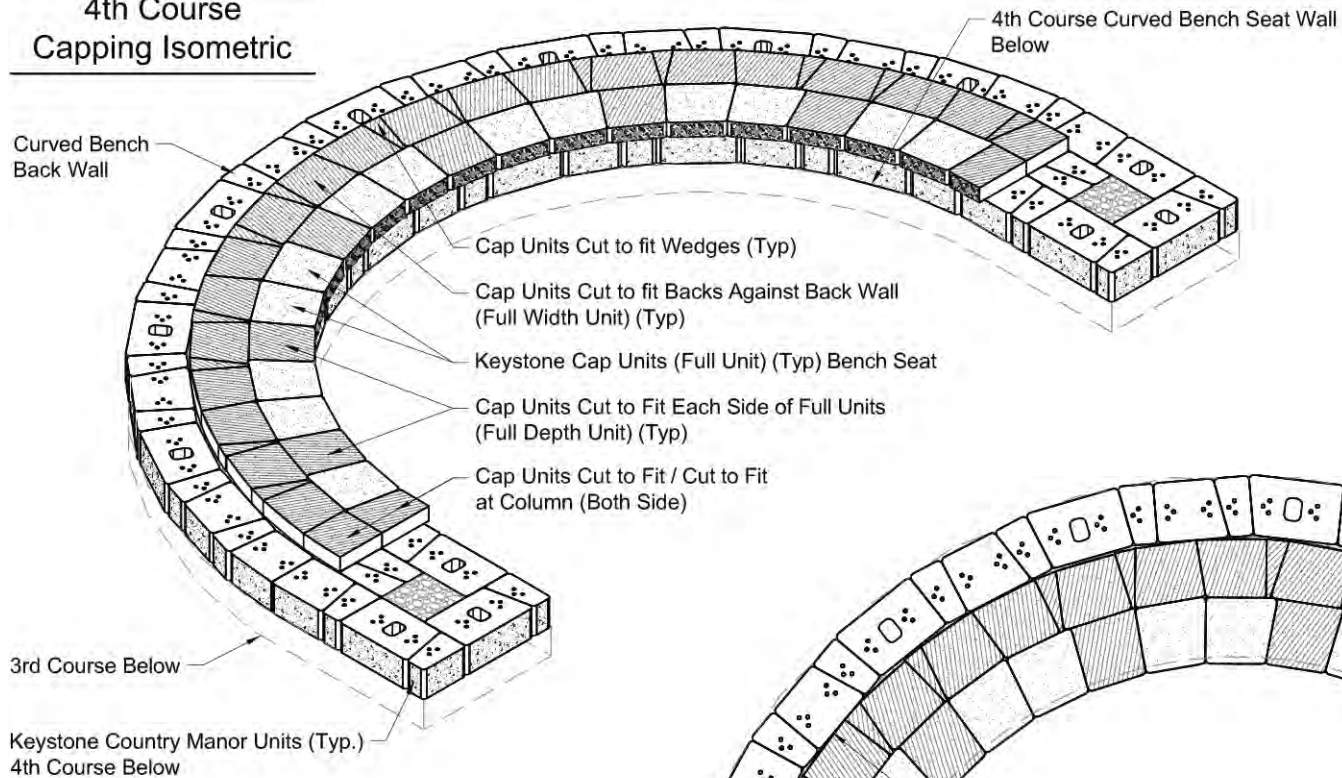
You have chosen the **Column End Option 4** for your kit. Complete the following courses 4 (capping) - 8 on the **Blue** tabs to achieve this option.



# COURSE BY COURSE INSTRUCTIONS

Option 4

## 4th Course Capping Isometric



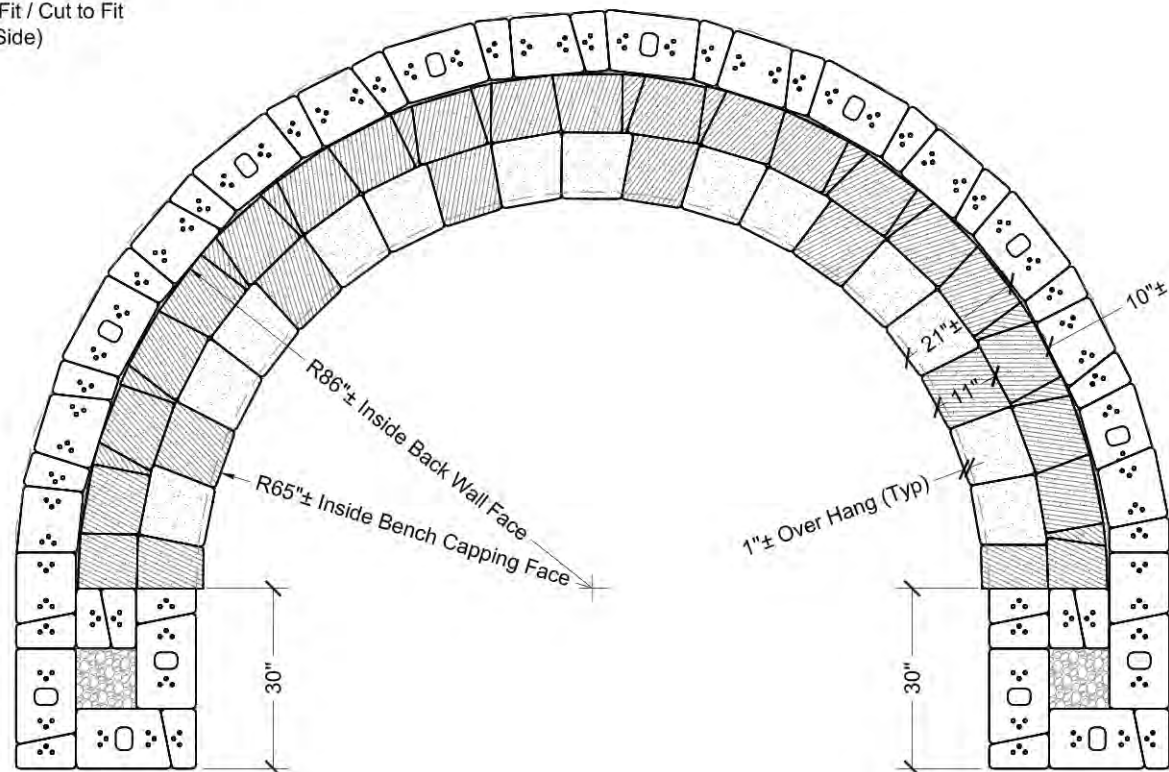
### Block Cutting Note:

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.

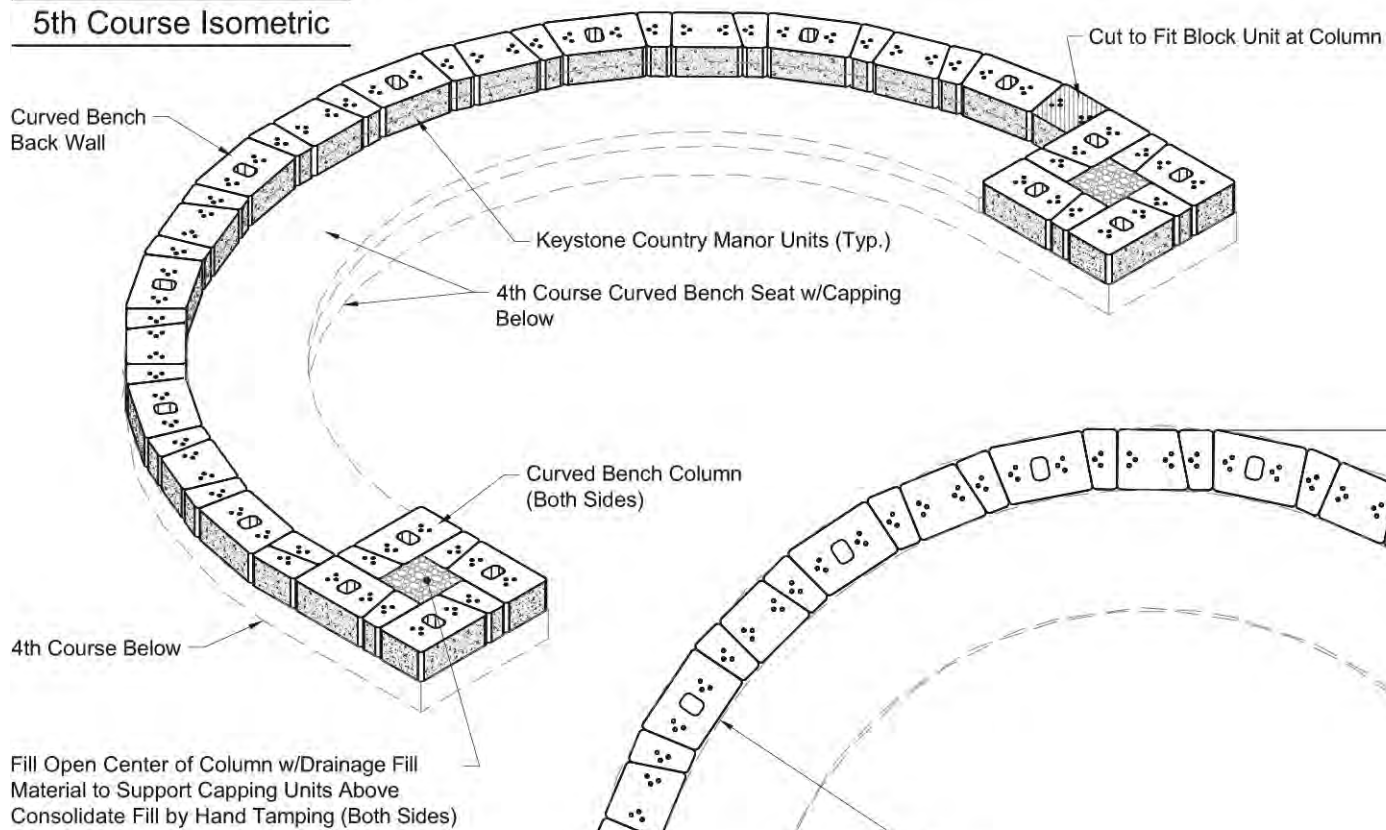
## 4th Course Capping Plan



# COURSE BY COURSE INSTRUCTIONS

Option 4

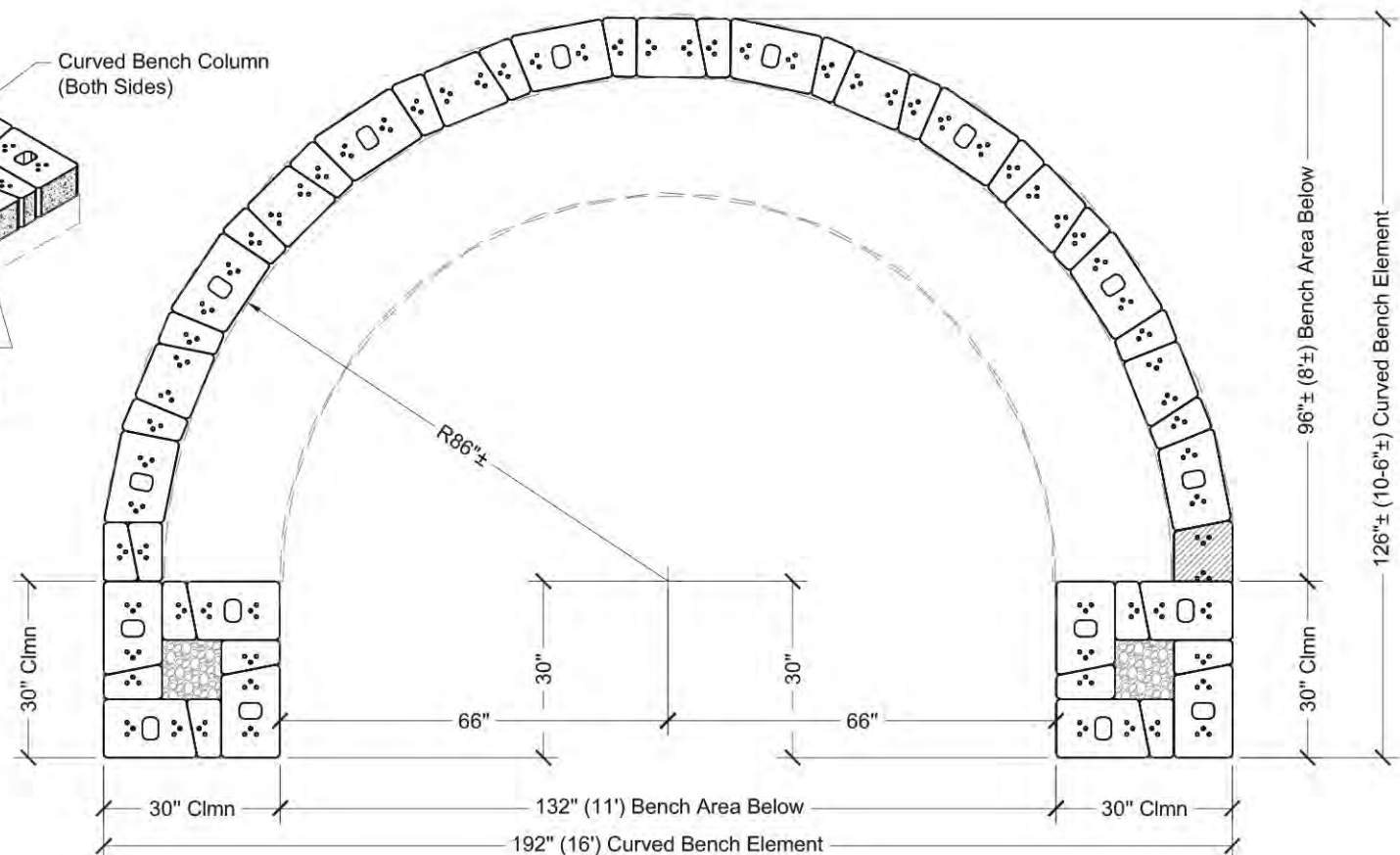
## 5th Course Isometric



### Block Cutting Note:

Block units to be cut are labeled with angular hatching.

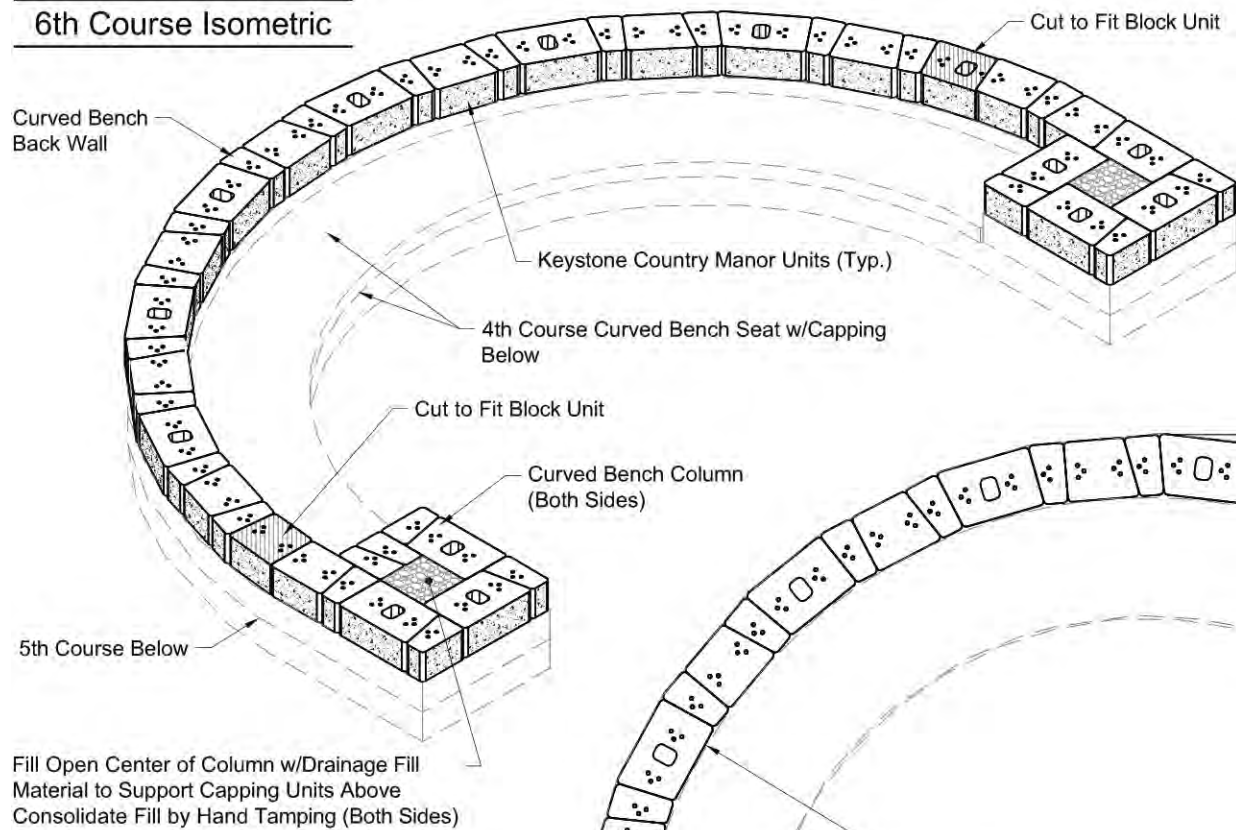
## 5th Course Plan



# COURSE BY COURSE INSTRUCTIONS

Option 4

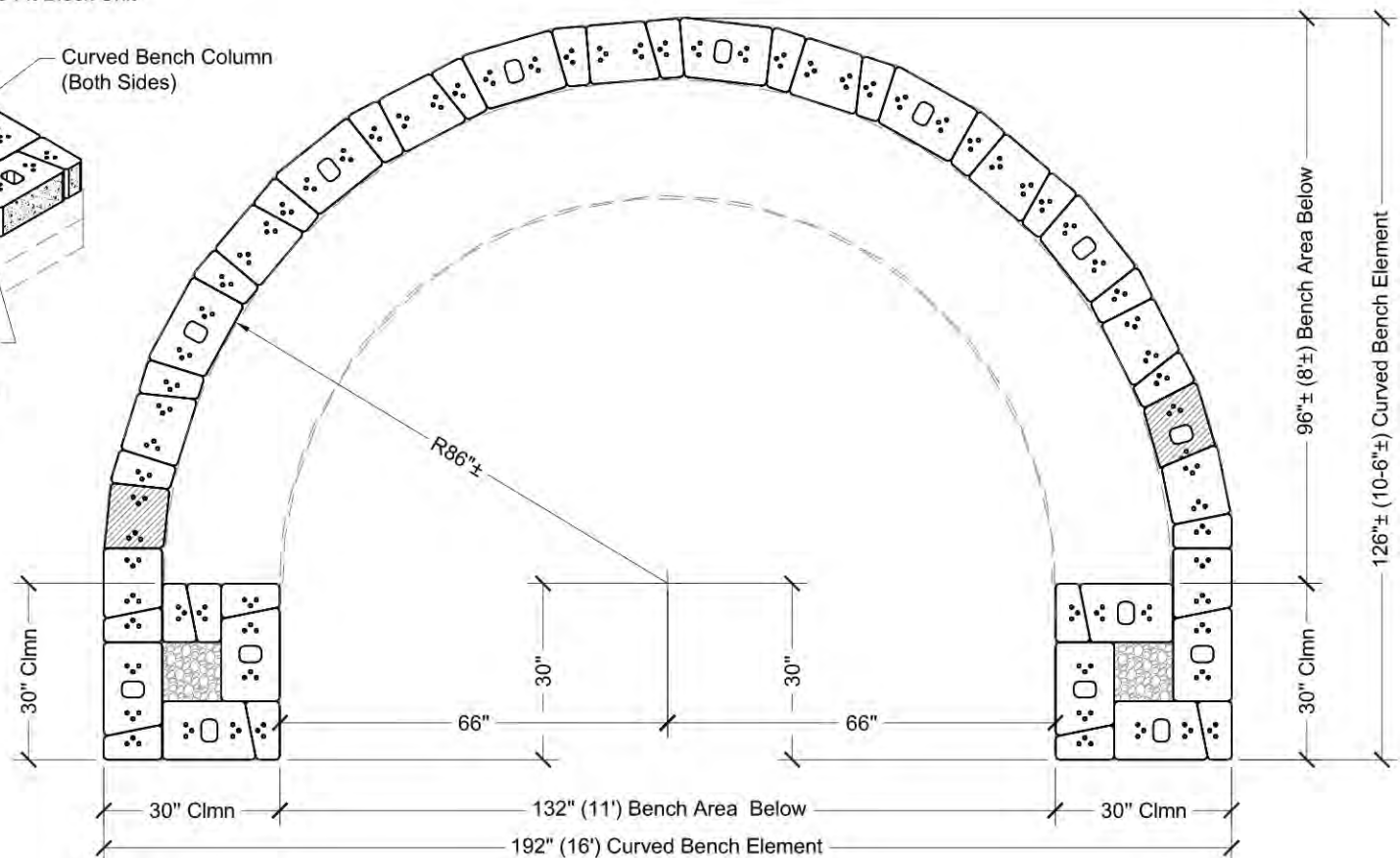
## 6th Course Isometric



### Block Cutting Note:

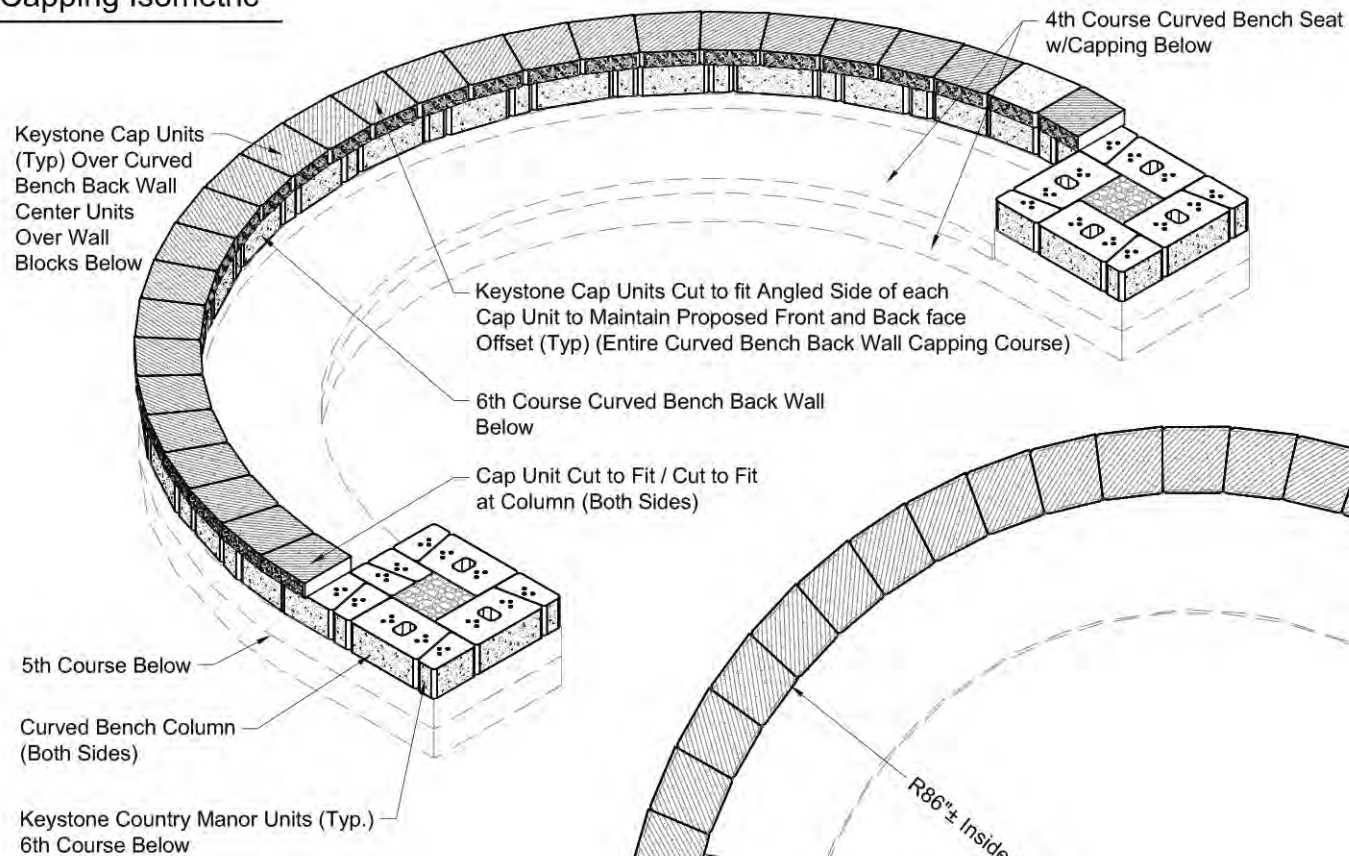
Block units to be cut are labeled with angular hatching.

## 6th Course Plan



## COURSE BY COURSE INSTRUCTIONS

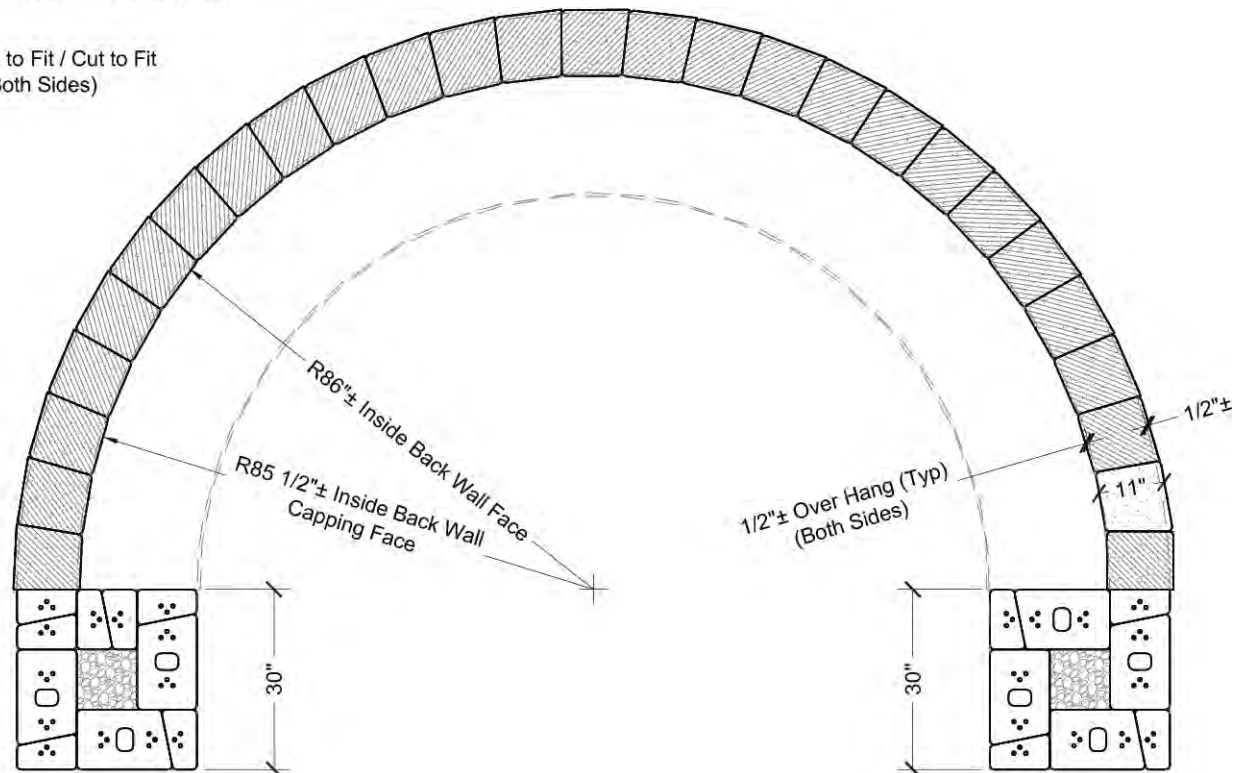
6th Course  
Capping Isometric

6th Course  
Capping Plan

**Block Cutting Note:**

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

## Option 4



# COURSE BY COURSE INSTRUCTIONS

Option 4

## 7th Course Isometric

6th Course Curved Bench Back Wall w/Capping Below

4th Course Curved Bench Seat w/Capping Below

Keystone Country Manor Units (Typ.)

Curved Bench Column (Both Sides)

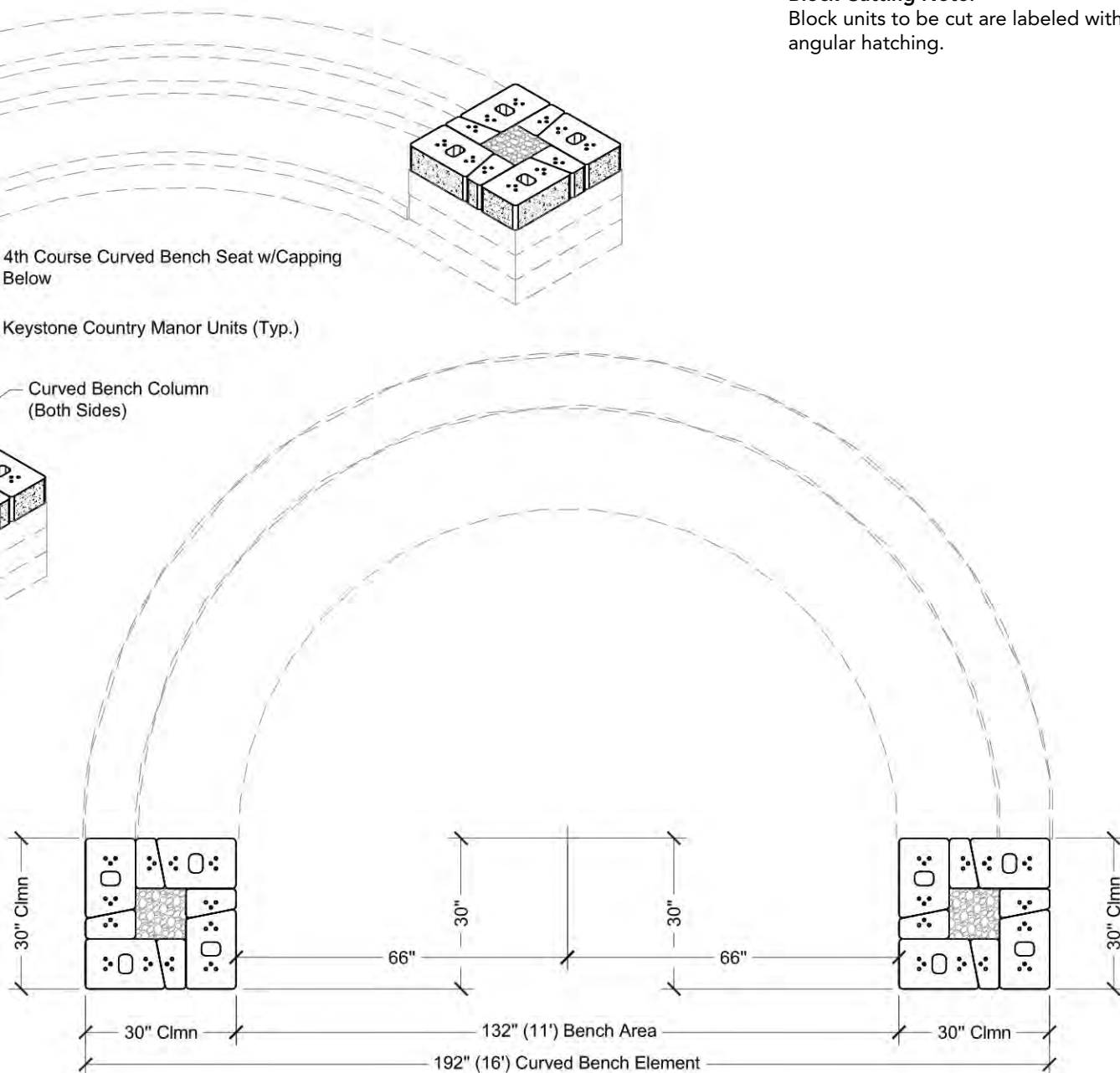
6th Course Below

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

### Block Cutting Note:

Block units to be cut are labeled with angular hatching.

6th Course Curved Bench Back Wall w/Capping Below

4th Course Curved Bench Seat w/Capping Below

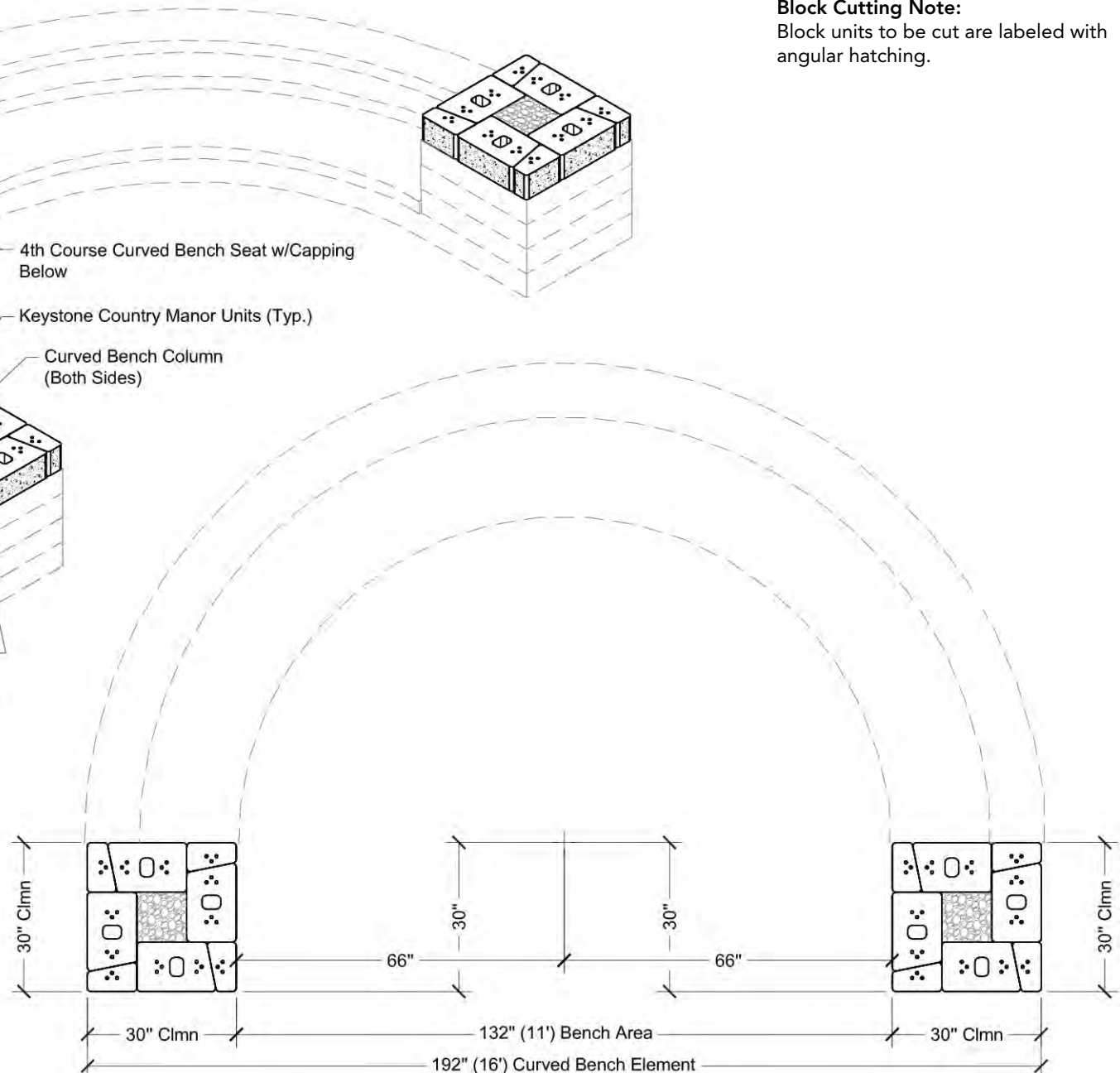
Keystone Country Manor Units (Typ.)

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

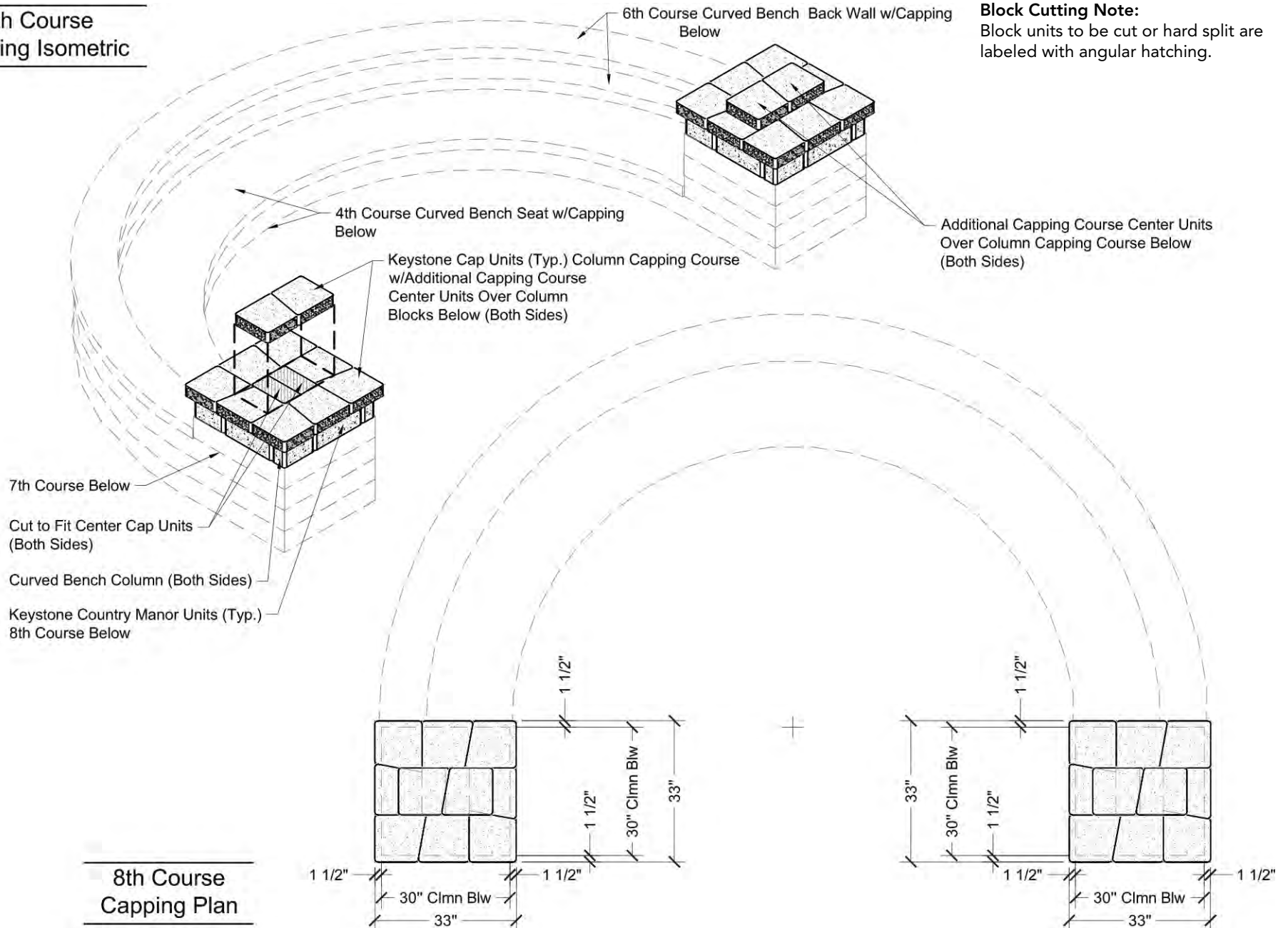


# COURSE BY COURSE INSTRUCTIONS

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)

Keystone Country Manor Units and Caps (Typ)

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 Leveling Pad

6" (Typ)

30" Column

132" (11') Bench

192" (16')

30" Column

6" (Typ)

33"

22"

5 1/2"

1 1/2" (Typ)

3"

3"

3"

18" Bench

30" Bench Back Wall

42" Column

6" (Typ)

6" (Typ)

Technical drawing of a stone bench cross-section. The drawing includes the following labels and dimensions:

- Curved Bench Column w/Capping Course (Both Sides)**: Points to the vertical stone columns on either side of the bench seat.
- Curved Bench Back Wall w/Capping Course**: Points to the back wall of the bench.
- Keystone Country Manor Units and Caps (Typ)**: Points to the decorative stone units and caps used in the construction.
- Curved Bench Seat / Back Wall w/Capping (Beyond)**: Points to the main seating area and the back wall beyond the capping course.
- Finished Grade (Typ)**: Points to the ground level.
- Curved Bench Leveling Pad**: Points to the base layer of the bench.
- Dimensions**:
  - Top width: 33" (total), with 11" segments on each side of the central 11" segment.
  - Back wall height: 1 1/2" (Typ.)
  - Back wall thickness: 3"
  - Bench height: 18" (Beyond)
  - Bench back wall height: 30" (Beyond)
  - Bench back wall thickness: 3"
  - Column height: 42" (Beyond)
  - Column width: 30"
  - Column base thickness: 6" (Typ.)
  - Leveling pad width: 96" ± (8')
  - Leveling pad length: 126" ± (10'-6")
  - Leveling pad base thickness: 6" (Typ.)
  - Leveling pad base width: 6" (Typ.)

Keystone Step-by-StepKits 35

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