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

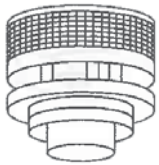
TREMRON
WE MAKE IT EASY

36" WOOD BURNING OUTDOOR FIREPLACE

Installation Instructions using Keystone Country Manor/Stonegate 3-pc System

KEYSTONE® RETAINING WALL SYSTEMS

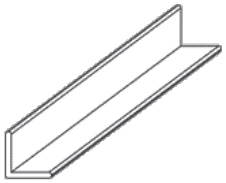
KIT CONTAINS



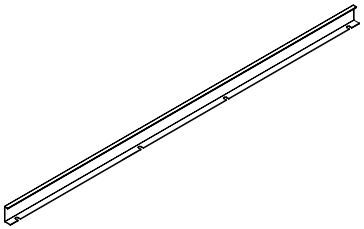
Contemporary Termination Round

12" and 48" Chimney Sections

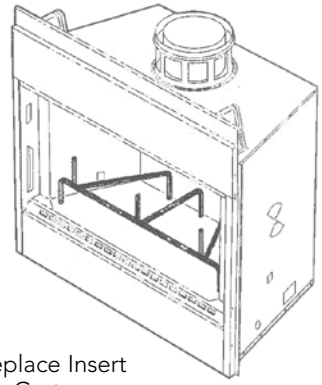
Storm Collar



Steel Lintel



Fireplace Trim Piece



Fireplace Insert with Grate

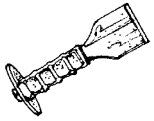
BASIC TOOLS

SAFETY

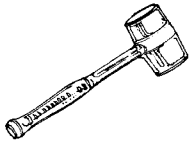
Safety Glasses

Gloves

ALTERATIONS



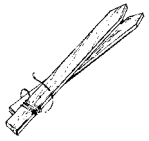
Stone Chisel



Mallet

Concrete Saw

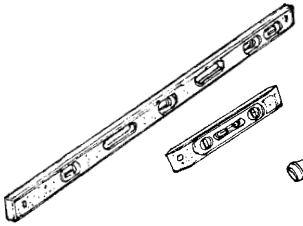
LAYOUT



Layout Stakes

Line

LEVELING

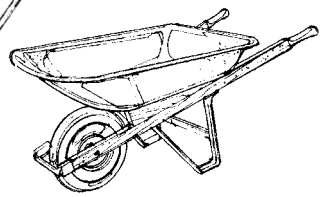


Level(s)

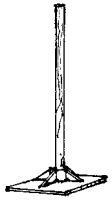
Mallet

GENERAL

Shovel

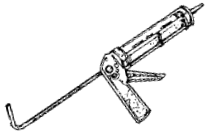


Wheel Barrow



Hand Compactor

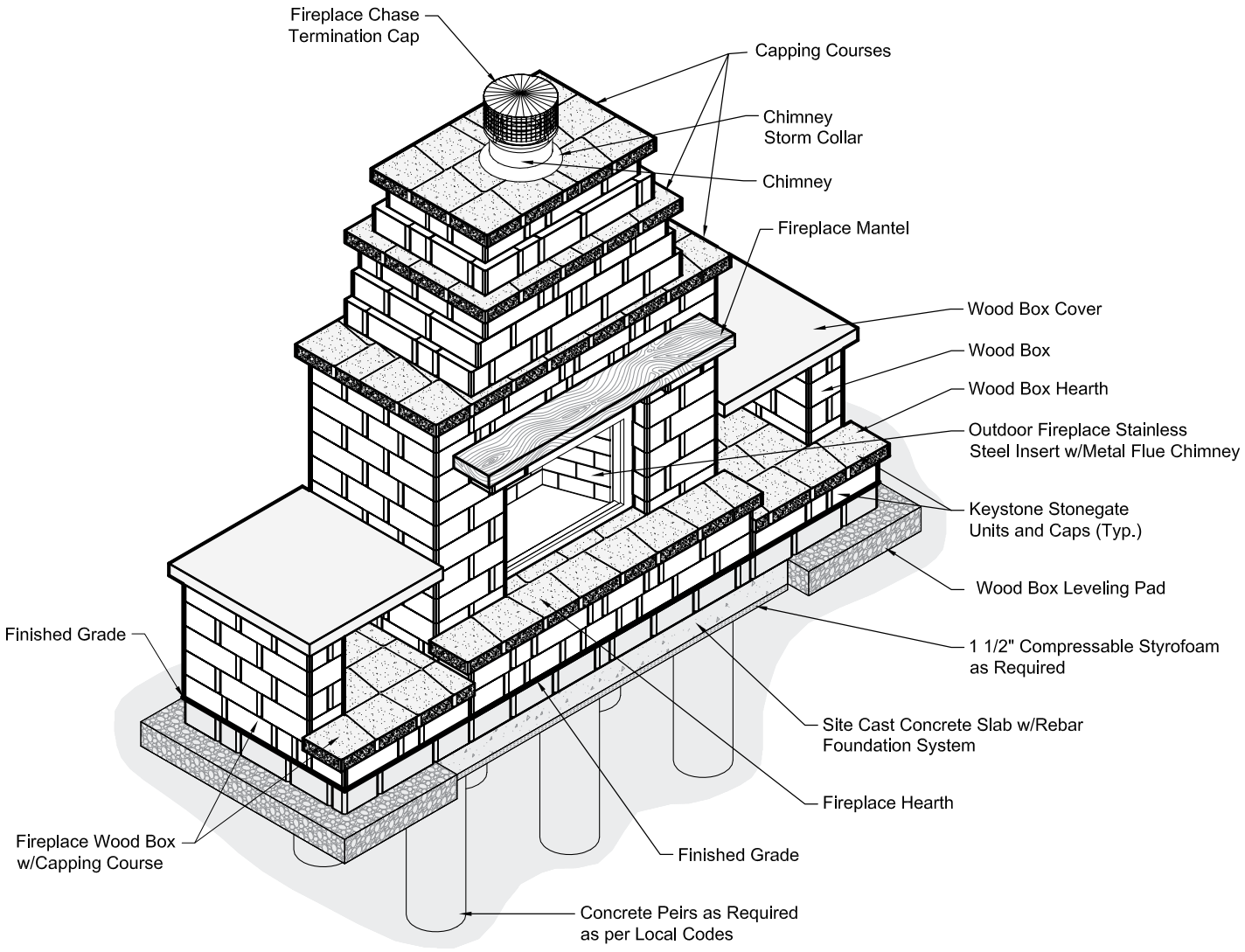
FINISHING



Caulking Gun

Exterior Grade Construction Adhesive

FIREPLACE WITH WOOD BOXES



Fireplace w/Wood Box Isometric

You will need:

148 - 16"/14"w Large units

143 - 12"/10"w Medium units

143 - 6"/4"w Small units

109 - 12"/10"w Stonegate caps

14 - Optional wood box capping units

550 - Interlocking Pins (approx.) (use where alignment allows)

25 - Tubes Exterior Grade Concrete Adhesive (approx.) Apply two ¼" strips of concrete adhesive on each course.

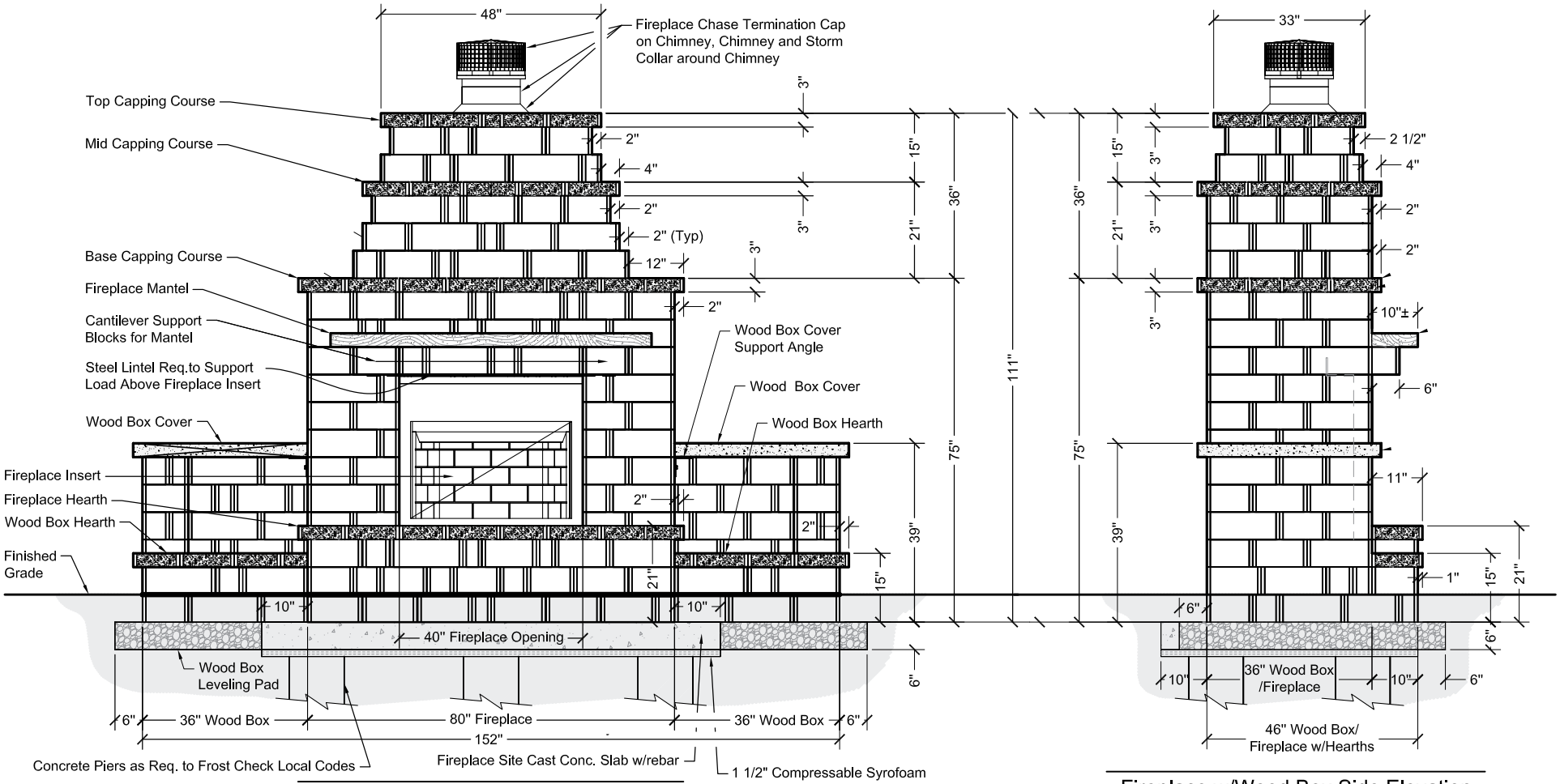
- Mantel Piece
- Fireplace Insert (contact Tremron for specs & retail options)
- Steel lintel - (1) 54"L angle
- Wood box support - (2) 24"L angles
- Wood box covers - (2) 38"x 40" covers
- Concrete slab material - 19.5 cf
- Wood box material - 12.9 cf

Notes:

- All Keystone Country Manor and Stonegate Country Manor units are 6"h x 10"d.
- Keystone recommends the use of its interlocking pins when unit alignment allows. Use pins in conjunction with concrete adhesive to maximize stability of your structure.

General Note:

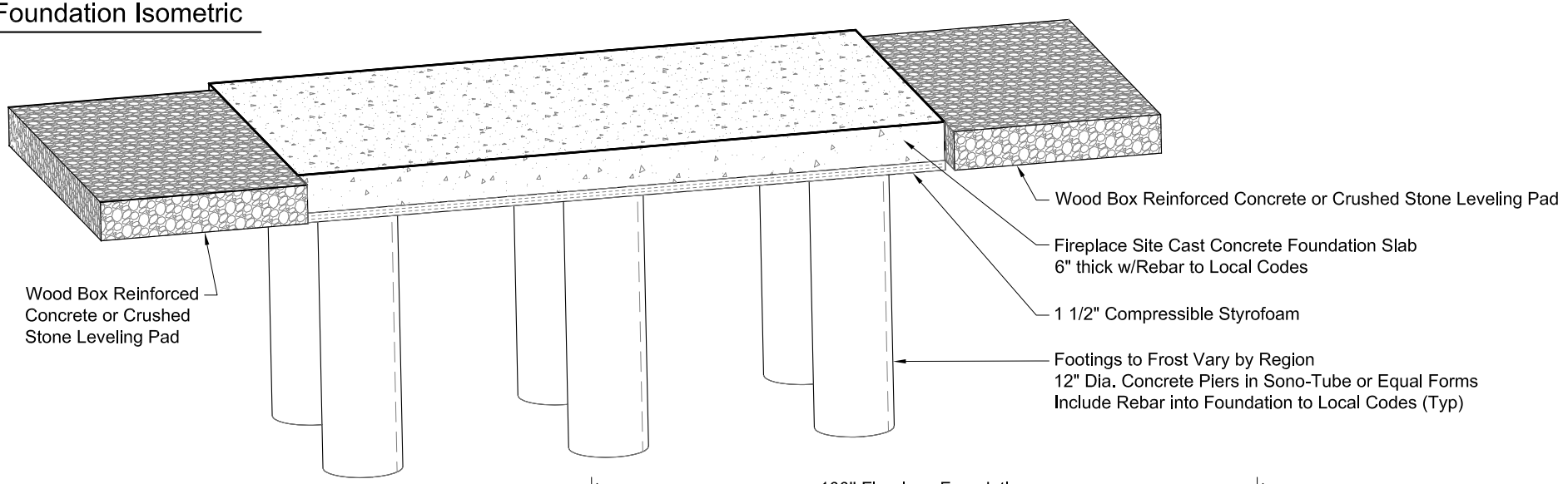
In consideration of freeze / thaw issues during the cold weather season it is recommended that this outdoor Water Feature element be protected from rain, snow and ice as necessary.



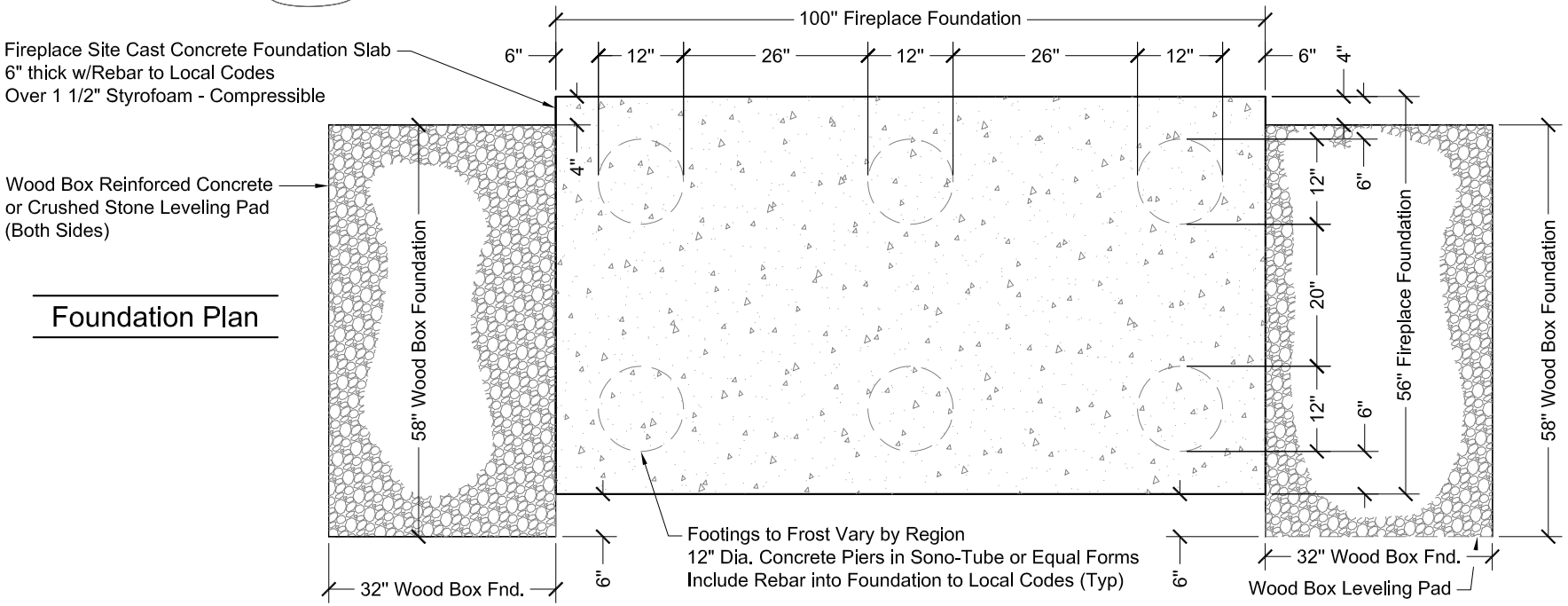
Alternative capping options (poured concrete or cut stone): Supply steel angle or beam support for concrete or stone mantel piece as required.

Fireplace insert: See local codes for fireplace/chimney clearances and chimney extension above roof as required. Please refer to the installation manual that is included with the fireplace insert for proper installation instructions.

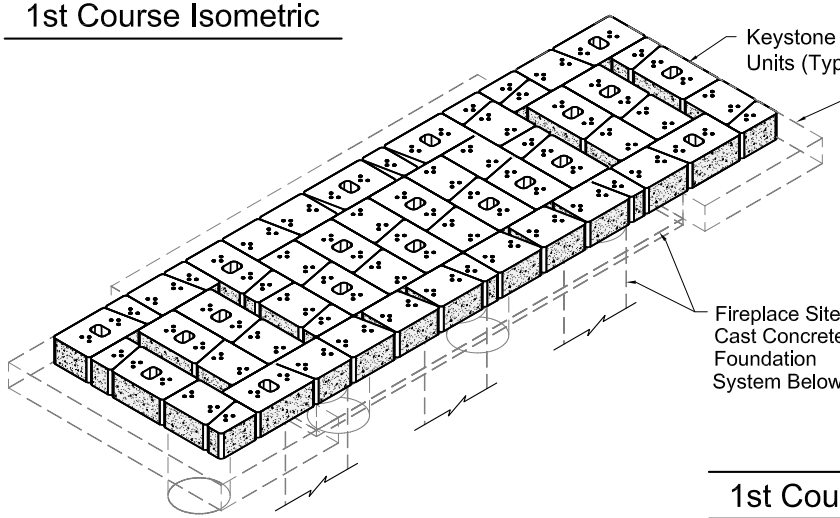
Foundation Isometric



Foundation Plan

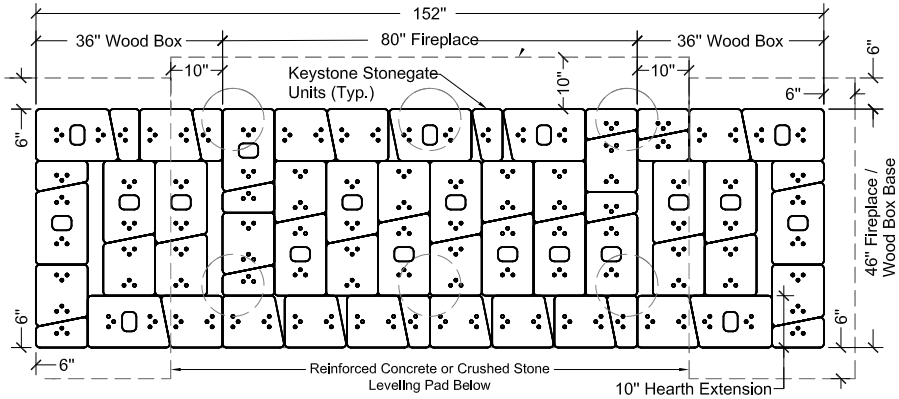


1st Course Isometric

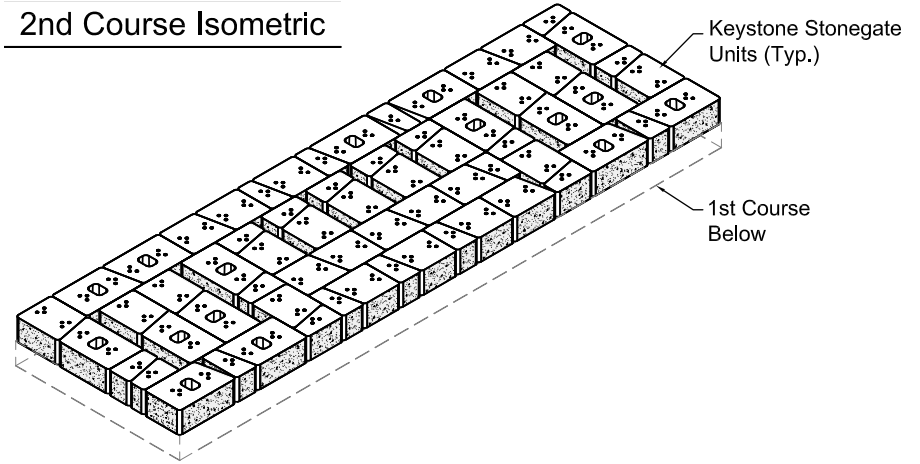


Note:
Due to block outside face texture variances when building the Fireplace courses, the outside dimensions of the courses may get wider than desired. If required cut a interior perimeter unit to get the required outside dimension.

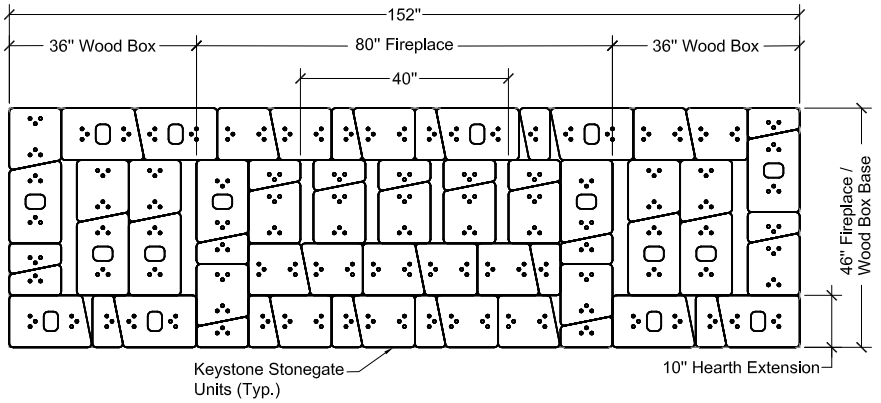
1st Course Plan



2nd Course Isometric

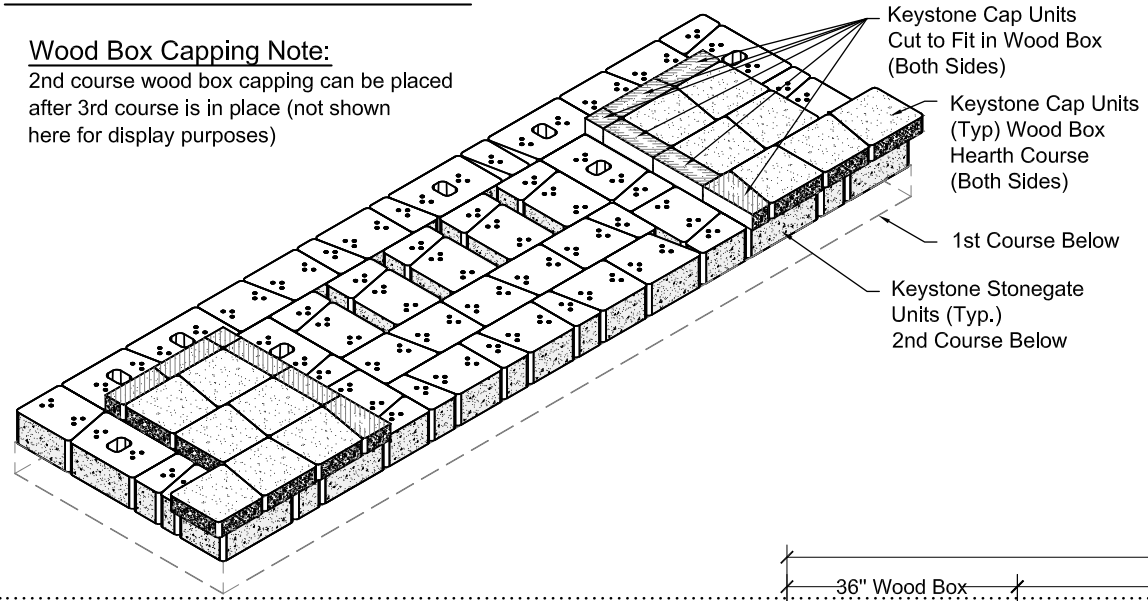


2nd Course Plan



2nd Course Capping Isometric

Wood Box Capping Note:
2nd course wood box capping can be placed after 3rd course is in place (not shown here for display purposes)



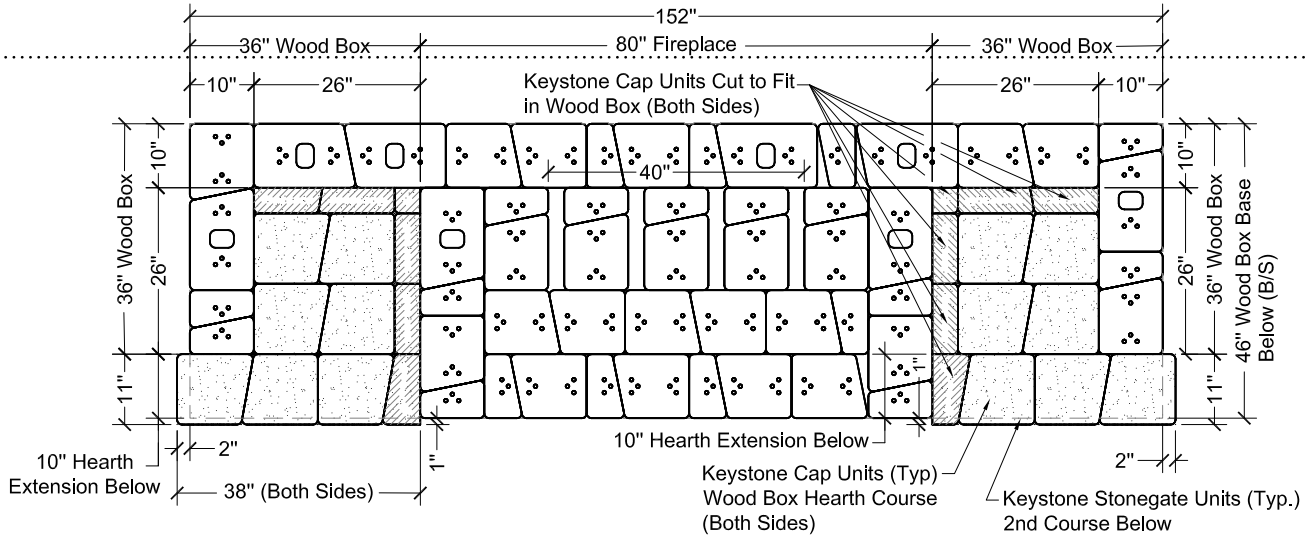
Cap Unit Note:
This Fireplace design uses Keystone Cap units. Units shown are dimensioned as follows:

Keystone Cap Unit:

- Cap Unit - 12"/10"
- Cap Unit is 11" in depth / 3" in Height

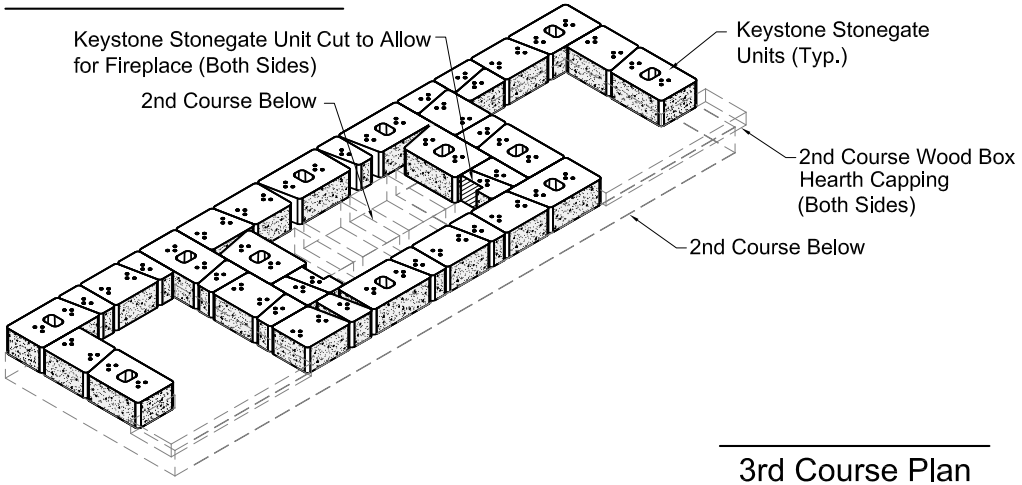
Cap Cutting:
Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed.

Cap units to be cut due to obstruction are labeled with solid hatching.
Cap units to be cut to fit are labeled with angular hatching.



2nd Course Capping Plan

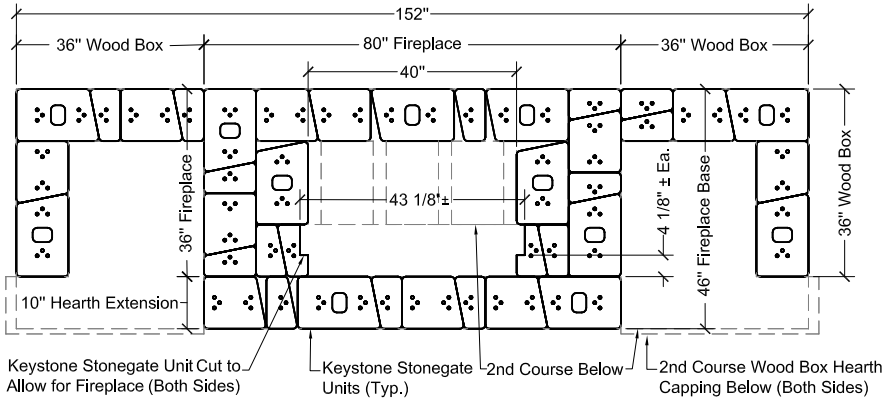
3rd Course Isometric



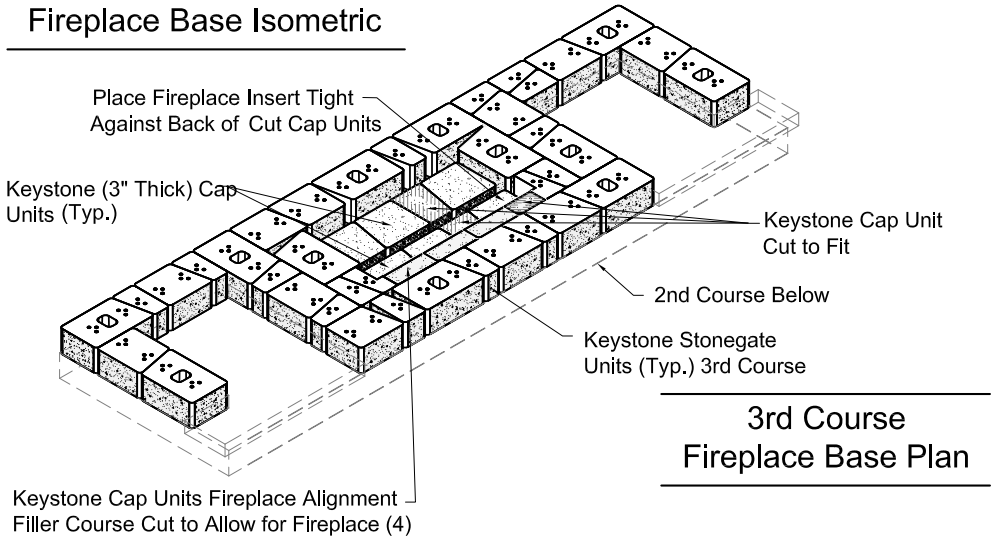
3rd Course Plan

Block Cutting Note:

Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed. Block units to be cut due to obstruction are labeled with solid hatching. Block units to be cut to fit are labeled with angular hatching.



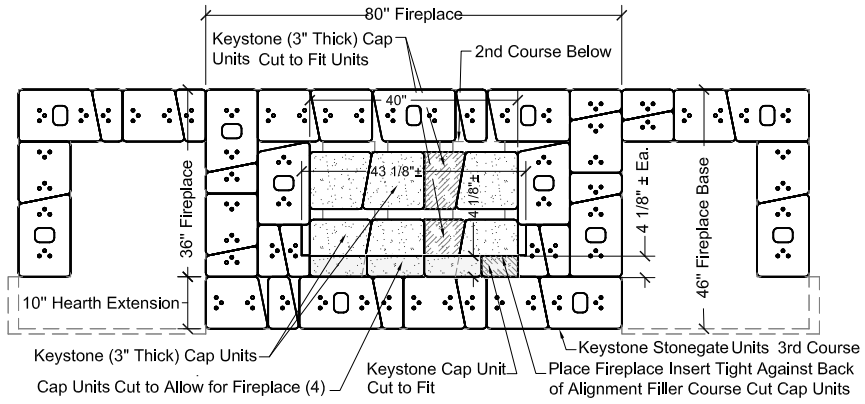
3rd Course Fireplace Base Isometric



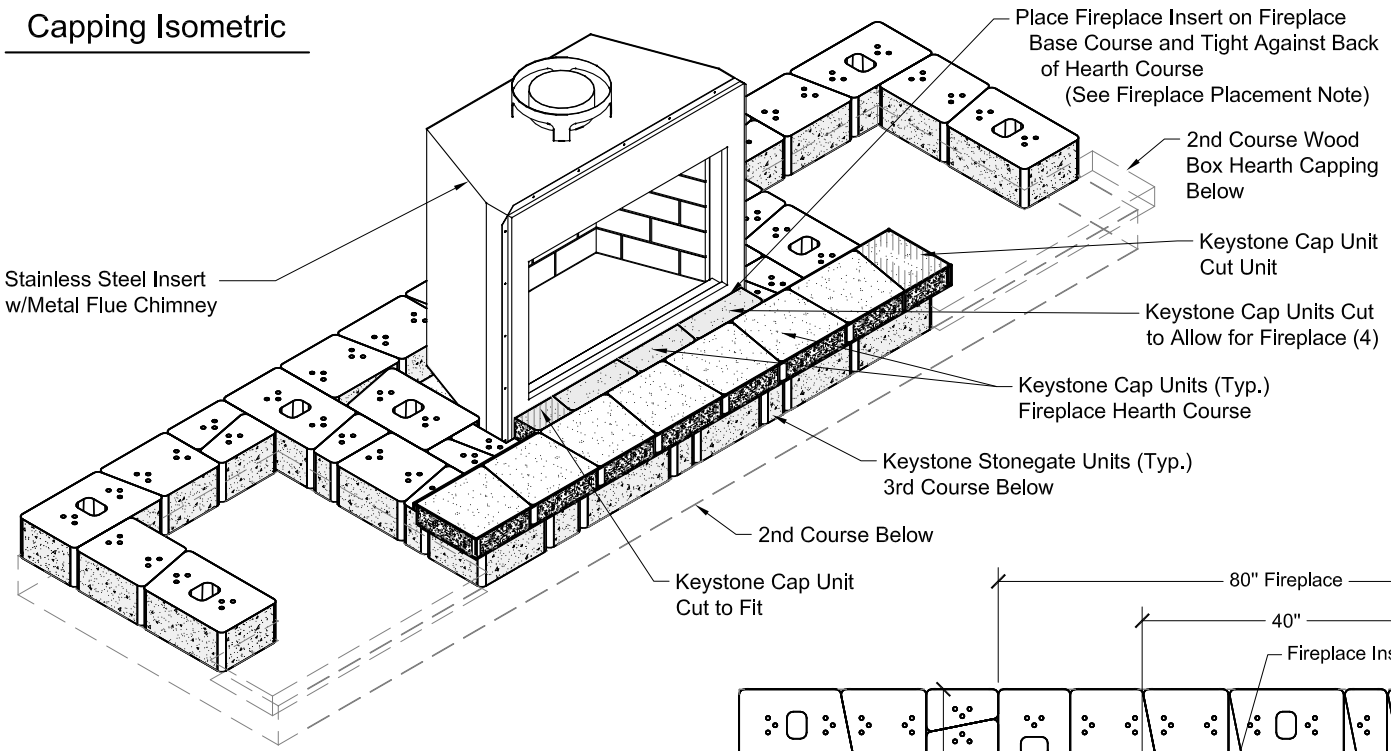
3rd Course Fireplace Base Plan

Cap Cutting:

Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed. Cap units to be cut due to obstruction are labeled with solid hatching. Cap units to be cut to fit are labeled with angular hatching.



3rd Course Capping Isometric



Cap Cutting:

Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed.

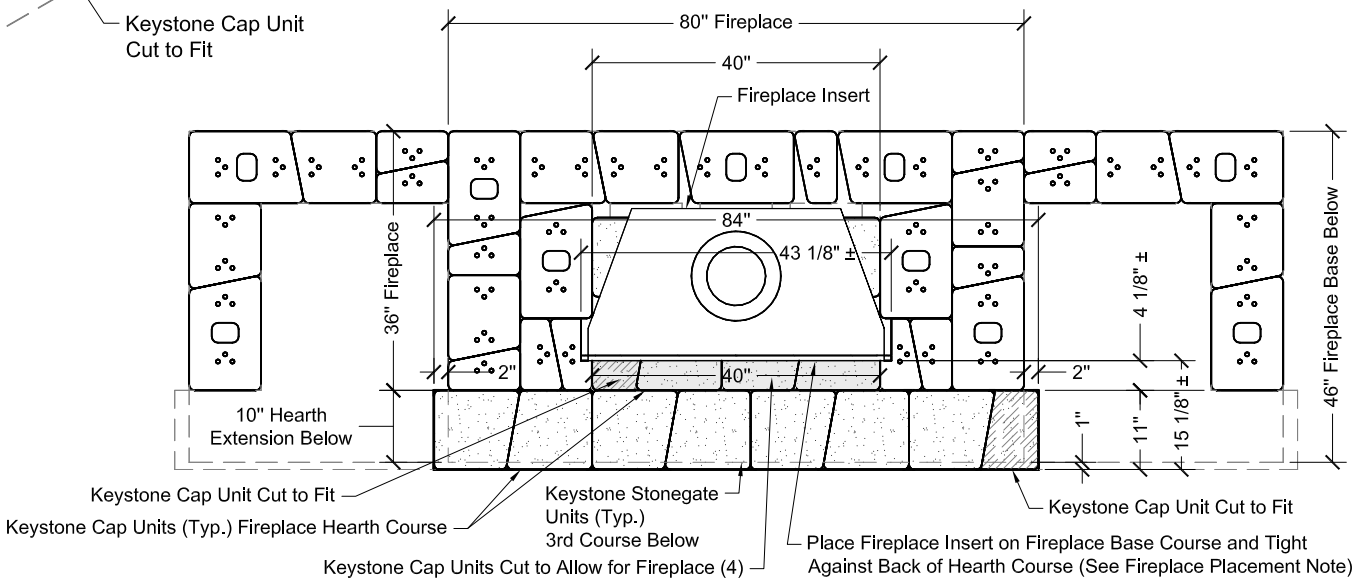
Cap units to be cut due to obstruction are labeled with solid hatching.
Cap units to be cut to fit are labeled with angular hatching.

Fireplace Hearth Capping Note:

3rd course fireplace hearth capping can be placed after 4th course is in place.
(not shown here for display purposes)

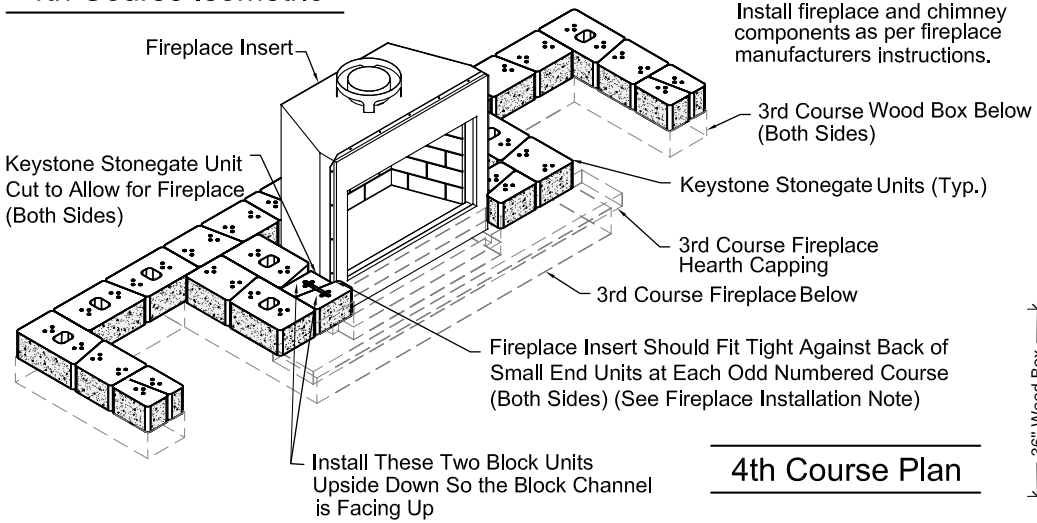
Fireplace Placement Note:

Prior to placing the fireplace insert for proper removal of the fireplace stainless steel face protective wrap peel back the outside portions of the protective wrap where it will come in contact with block units, cap units and top trim piece.



3rd Course Capping Plan

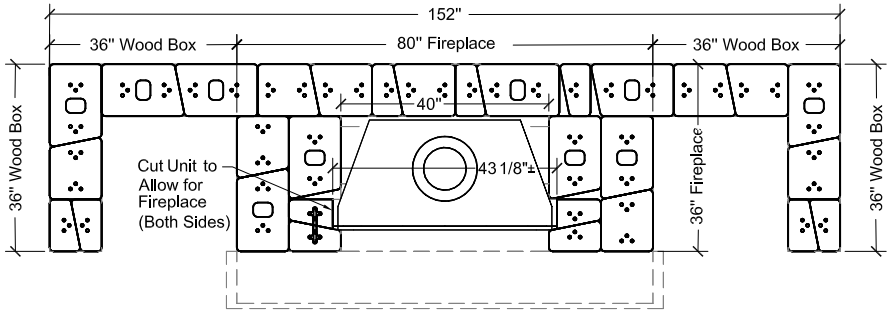
4th Course Isometric



Fireplace Note:

Install fireplace and chimney components as per fireplace manufacturers instructions.

4th Course Plan



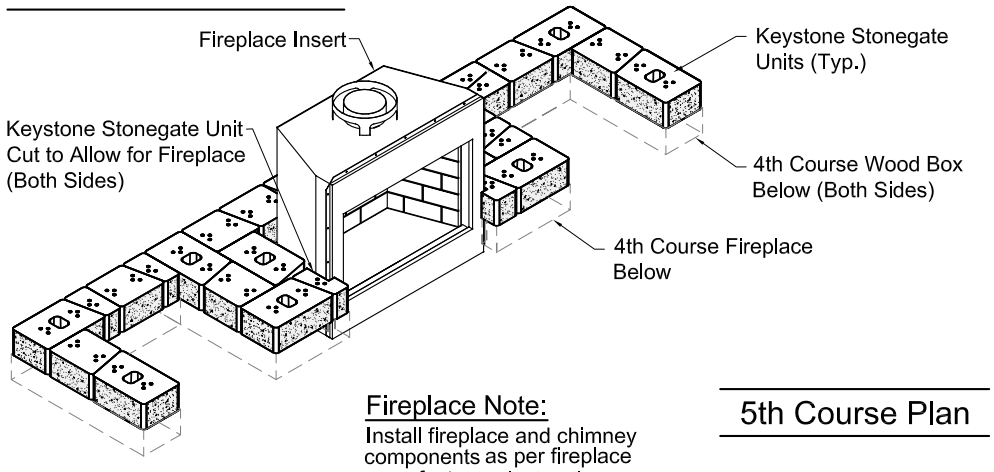
Block Cutting Note:

Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed.
Block units to be cut due to obstruction are labeled with solid hatching.
Block units to be cut to fit are labeled with angular hatching.

Fireplace Installation Note:

The installed fireplace front outside corners of the fireplace insert face should contact the small end units at the inside end of the two inside walls. If the fireplace insert does not contact the small units at each side trim the front and or side units below to allow the fireplace insert to move forward to contact the small units at each odd numbered course.

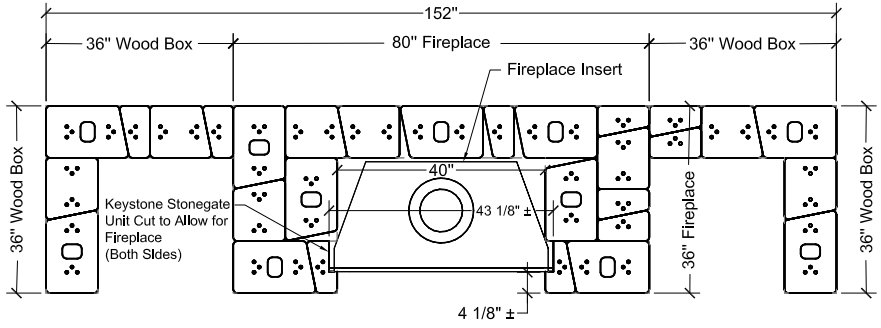
5th Course Isometric



Fireplace Note:

Install fireplace and chimney components as per fireplace manufacturers instructions.

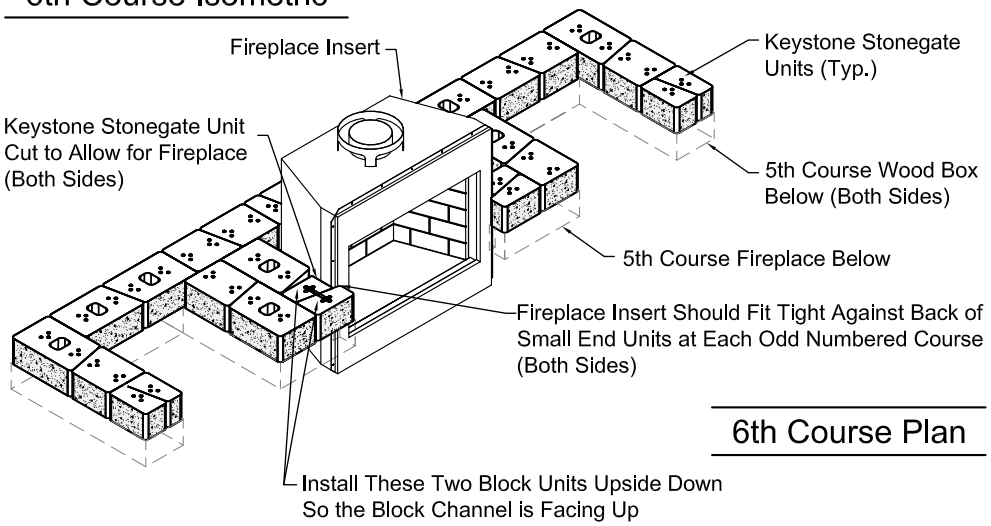
5th Course Plan



Block Cutting Note:

Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed. Block units to be cut due to obstruction are labeled with solid hatching.
Block units to be cut to fit are labeled with angular hatching.

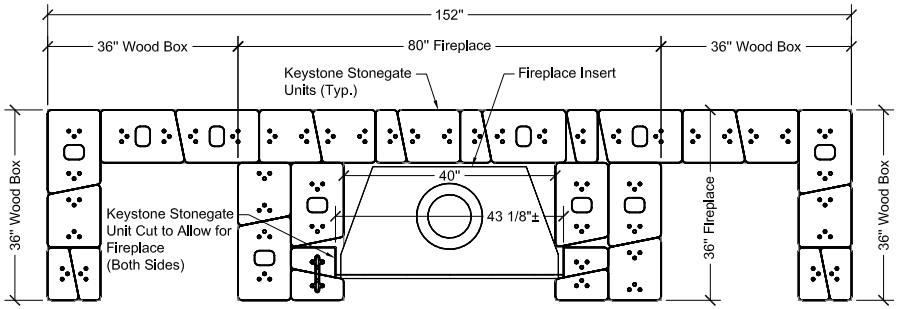
6th Course Isometric



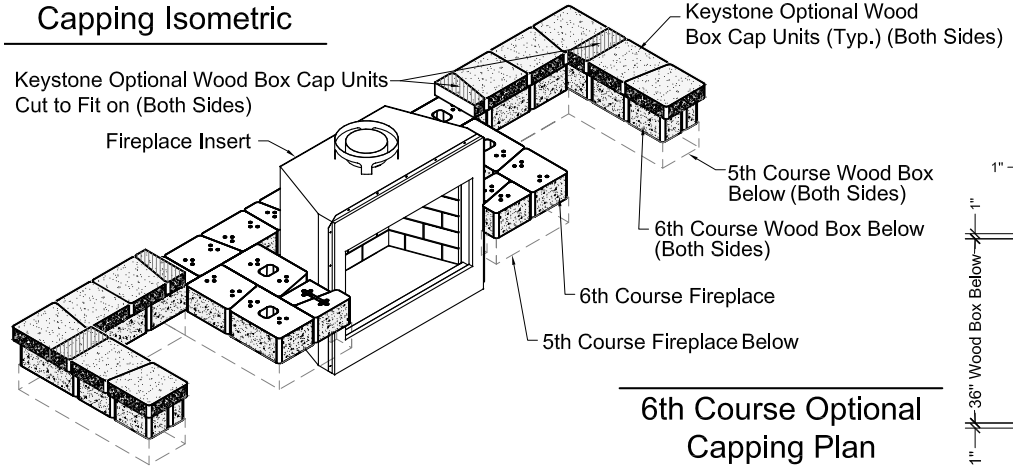
6th Course Plan

Block Cutting Note:

Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed. Block units to be cut due to obstruction are labeled with solid hatching. Block units to be cut to fit are labeled with angular hatching.



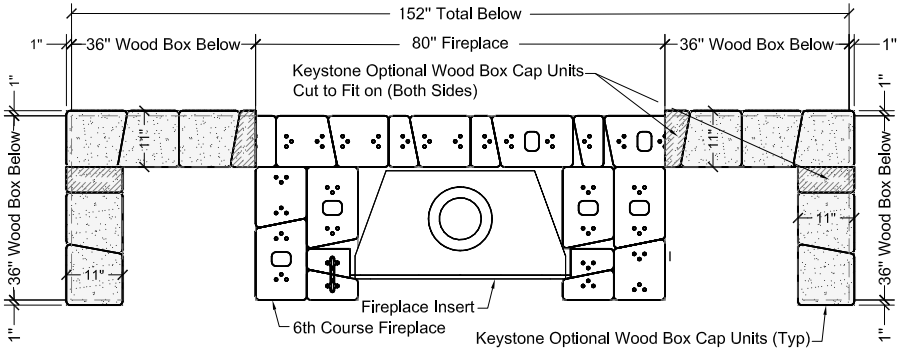
6th Course Optional Capping Isometric



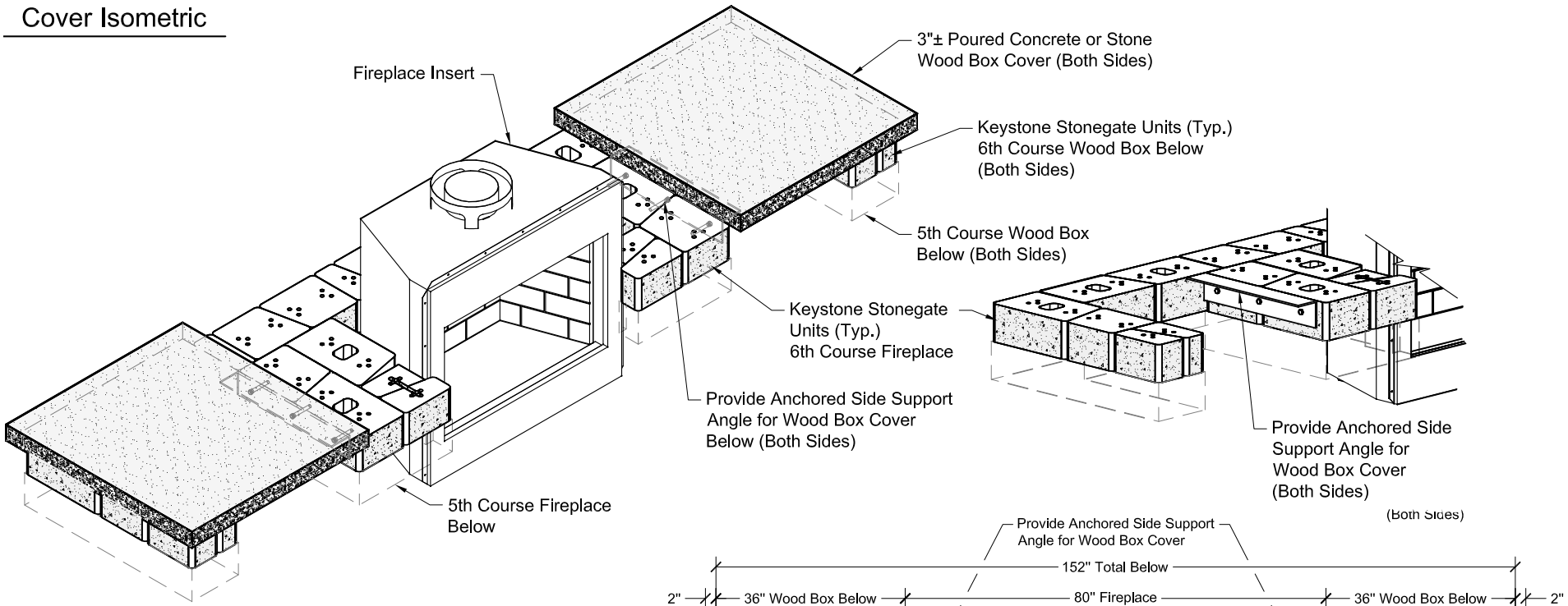
6th Course Optional Capping Plan

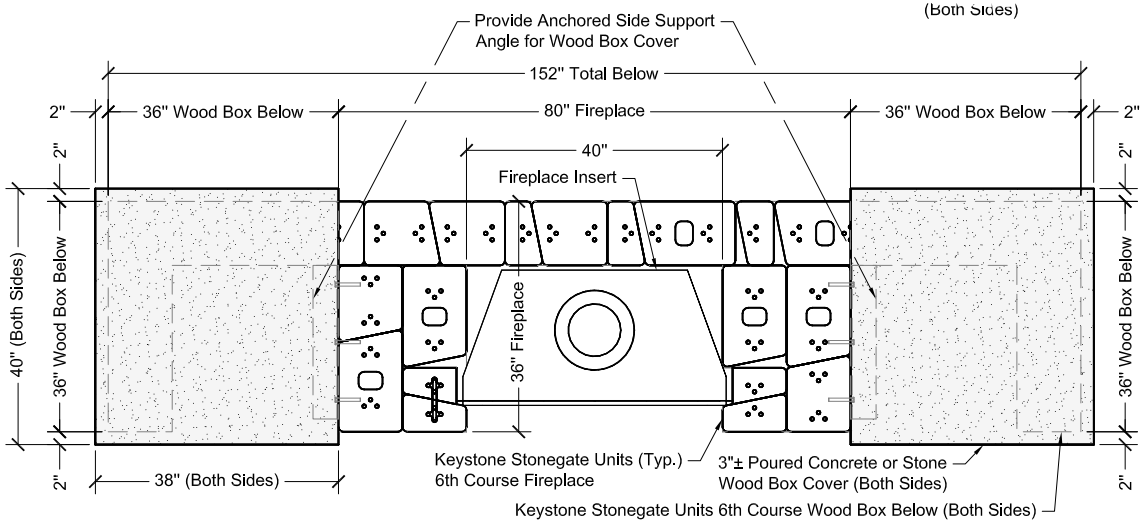
Cap Cutting:

Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed. Cap units to be cut due to obstruction are labeled with solid hatching. Cap units to be cut to fit are labeled with angular hatching.



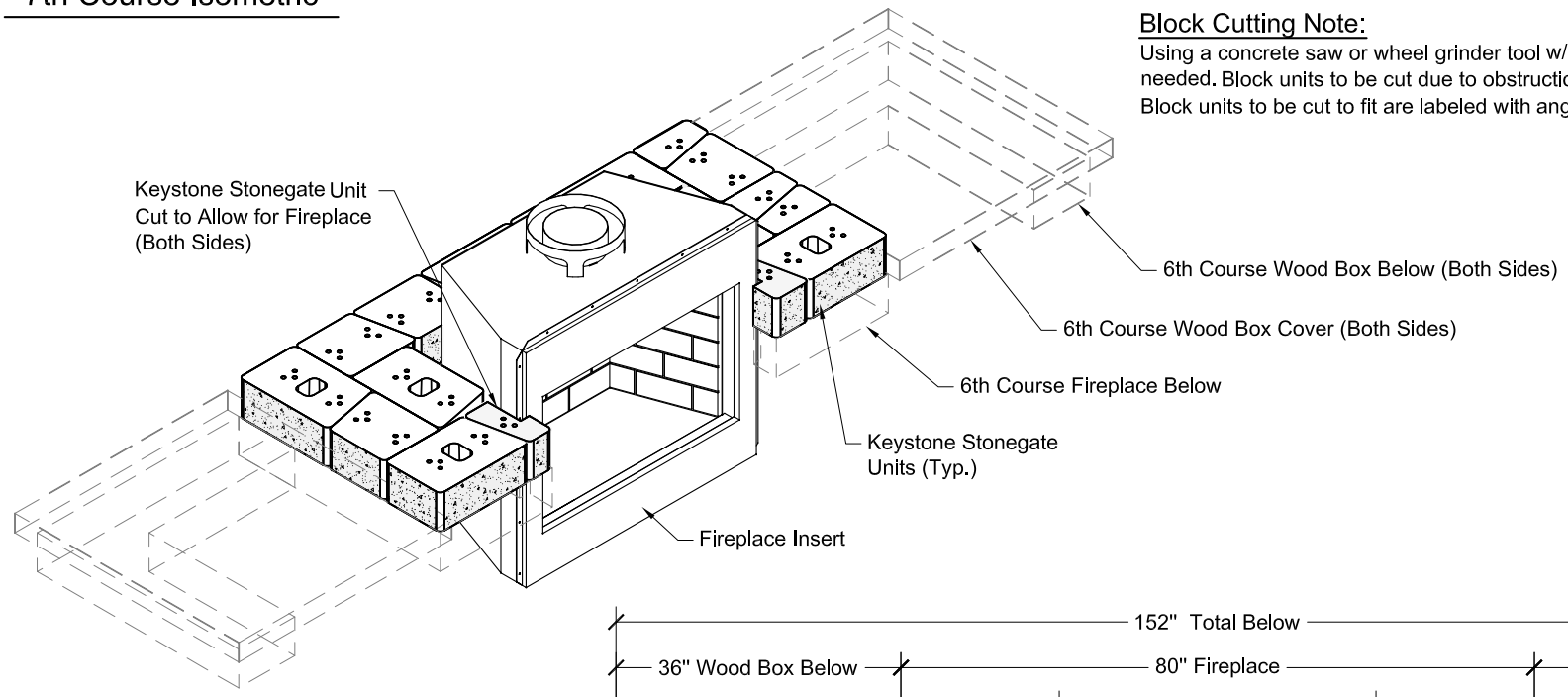
6th Course Cover Isometric





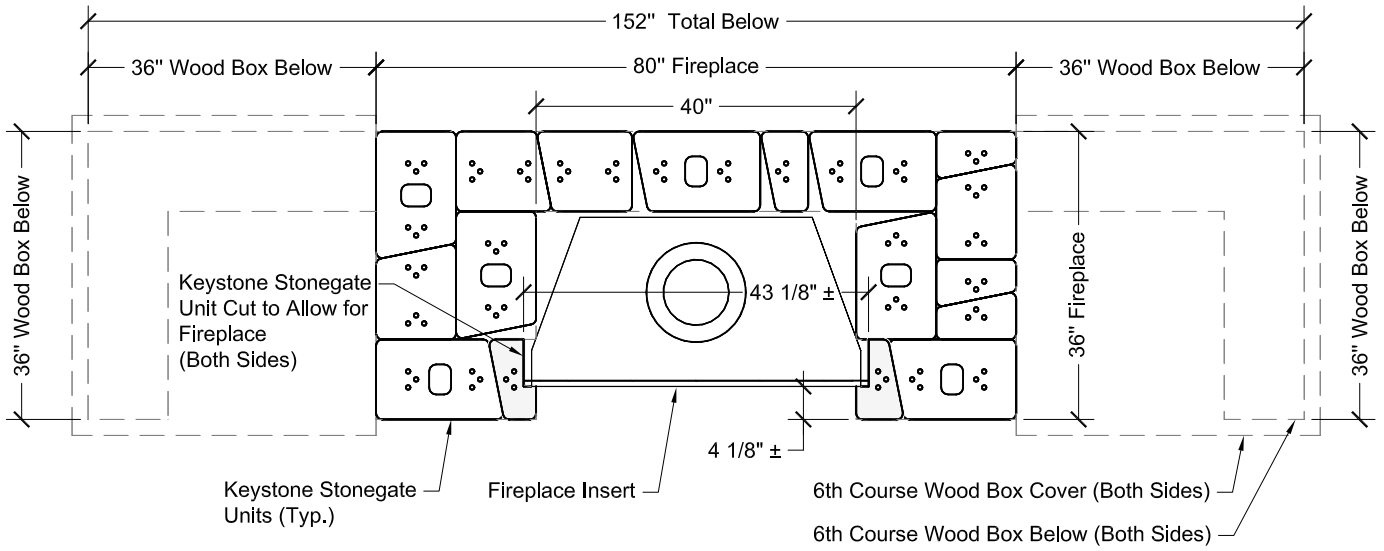
6th Course Cover Plan

7th Course Isometric



Block Cutting Note:

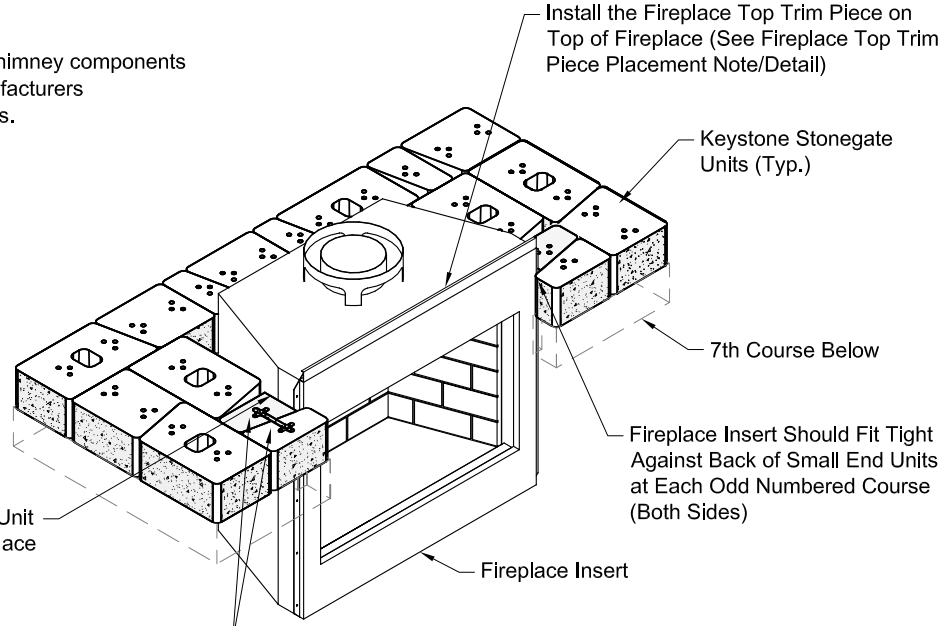
Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed. Block units to be cut due to obstruction are labeled with solid hatching. Block units to be cut to fit are labeled with angular hatching.



7th Course Plan

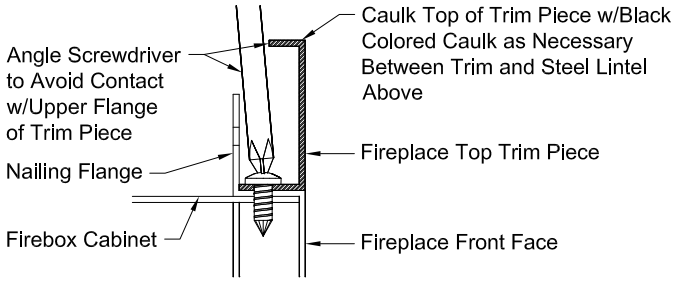
8th Course Isometric

Fireplace Note:
Install fireplace and chimney components as per fireplace manufacturers installation instructions.



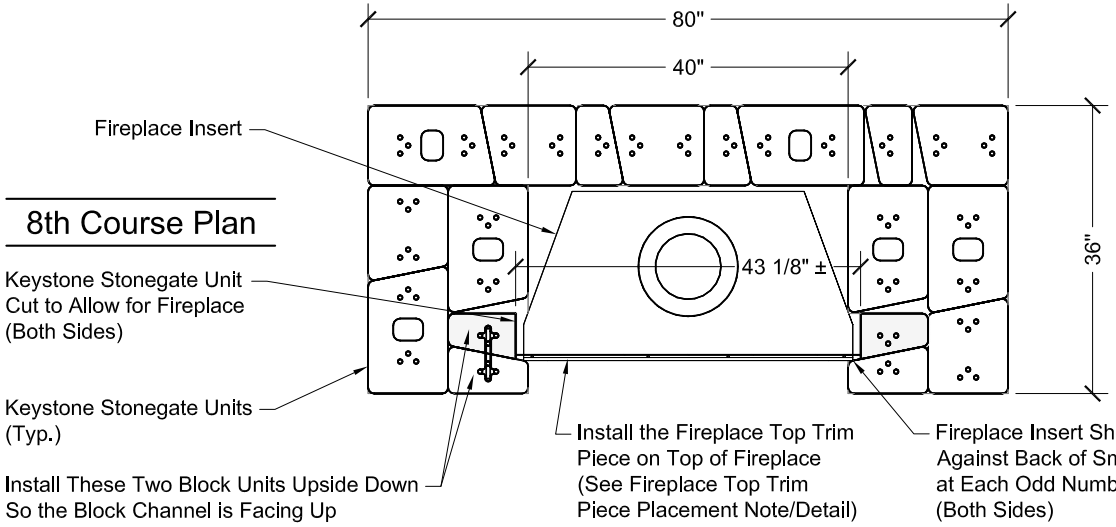
Block Cutting Note:
Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed.
Block units to be cut due to obstruction are labeled with solid hatching.
Block units to be cut to fit are labeled with angular hatching.

Fireplace Top Trim Piece Placement Note:
For proper removal of the top trim piece stainless steel face protective wrap, prior to installing the top trim piece peel back the bottom portion of the protective wrap where it will come in contact with the top of the fireplace.
Using a Phillips head pattern screwdriver loosen and remove existing firebox cabinet front top screws. Place supplied top trim piece across the front top of firebox cabinet aligning the top trim piece holes with the existing screw holes and flush with the front face of the firebox cabinet. Reinstall removed screws through the top trim piece and into the existing holes and secure the top trim piece to the fireplace cabinet.



Fireplace Top Trim Piece Detail

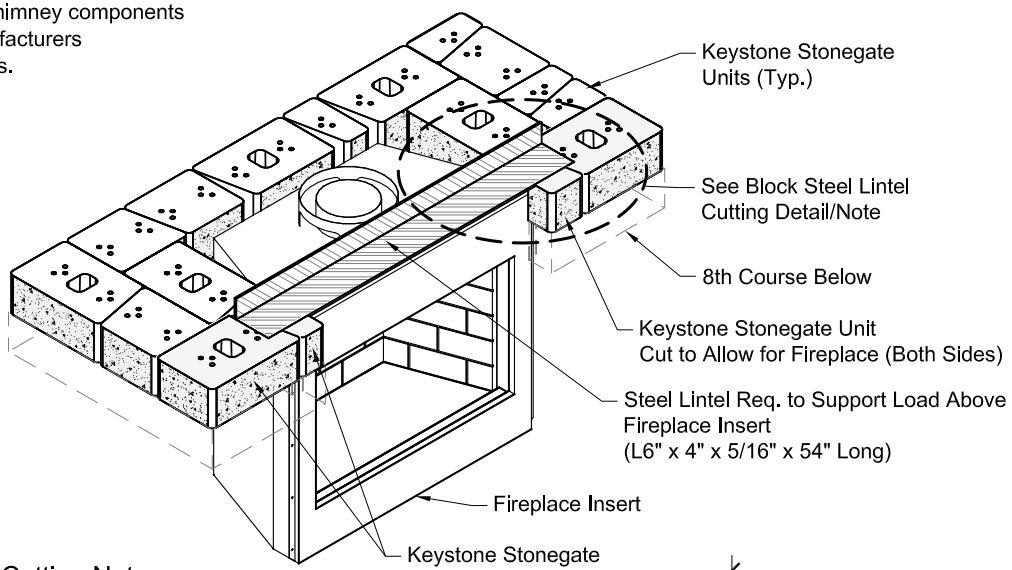
8th Course Plan

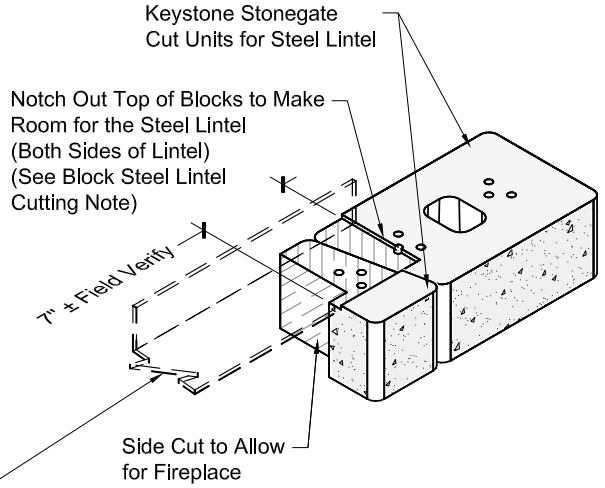


9th Course Isometric

Note:
Steel lintel installer to remove the two (2) front S.S.top spacers on supplied fireplace insert that will conflict w/steel lintel. Remove screws and remove brackets, they will not be needed.

Fireplace Note:
Install fireplace and chimney components as per fireplace manufacturers installation instructions.



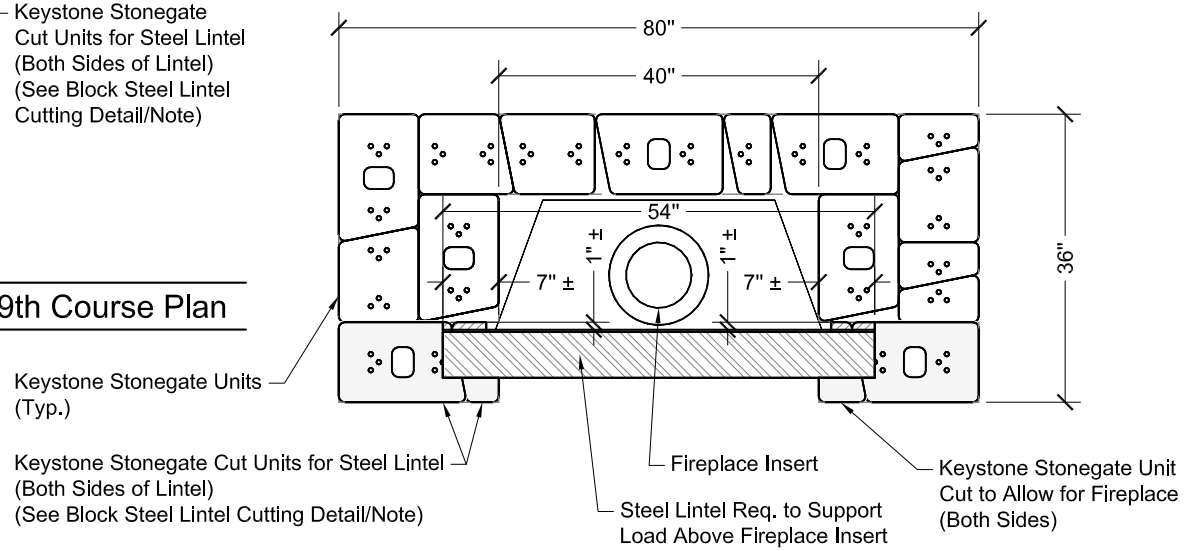


Block Steel Lintel Cutting Detail

Block Steel Lintel Cutting Note:
Position steel lintel to allow a minimum of 1/2" space between the steel lintel and the fireplace flue.

Prior to installing steel lintel, use a wheel grinding tool to notch out top of block creating a level shelf to place steel lintel, such that lintel is flush with top of cut block. Block units to be cut for steel lintel are shown with solid hatching.

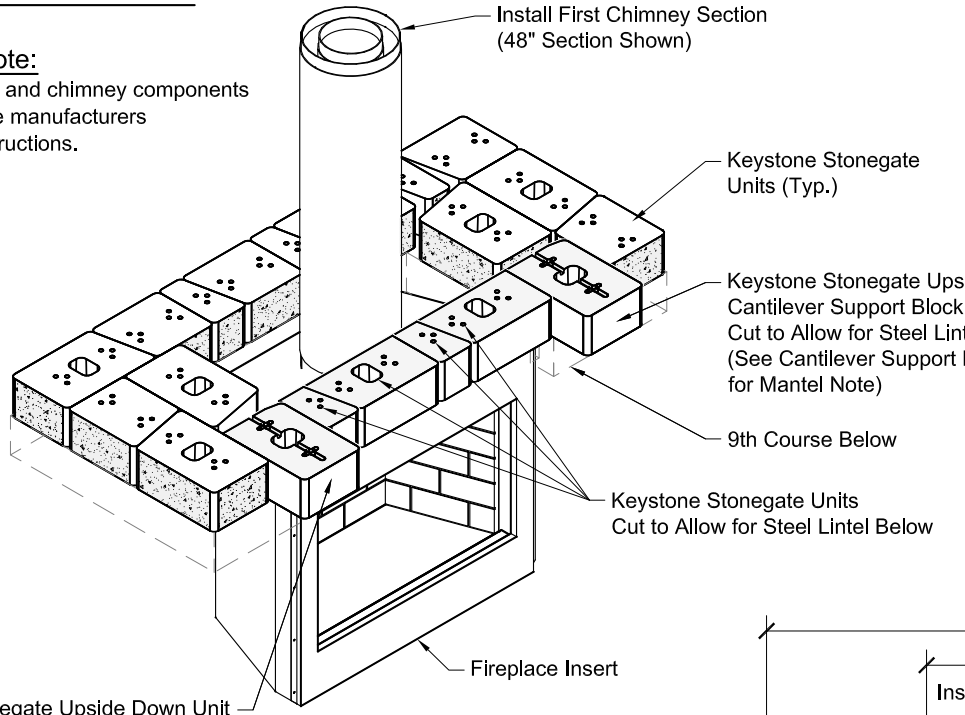
9th Course Plan



10th Course Isometric

Fireplace Note:

Install fireplace and chimney components as per fireplace manufacturers installation instructions.



Cantilever Support Block for Mantel Note:

Install cantilever support blocks for the mantel upside down so the block channel is facing up. Pin holes from underside of inverted units should be used to attach the mantel piece w/lag bolts and washers

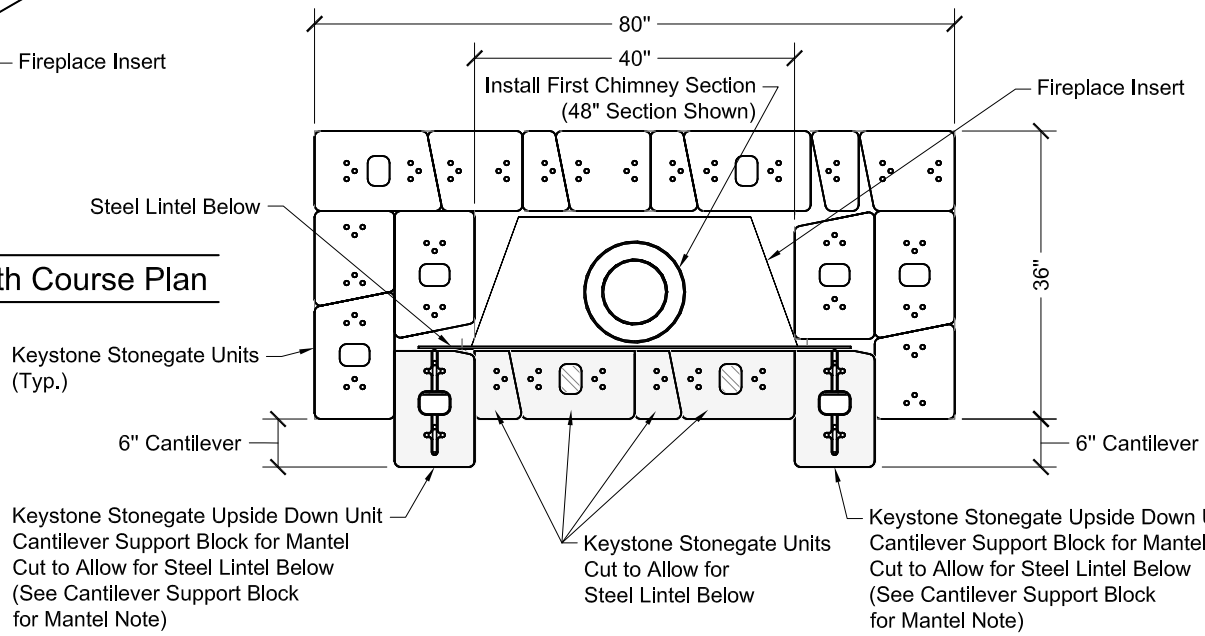
Temporary Block Support Note:

Build temporary support up from 2nd course hearth capping to support blocks resting on steel lintel using wood or other rigid support material until sufficient weight from courses above will safely hold steel lintel blocks in place, then remove temporary support.

Block Cutting Note:

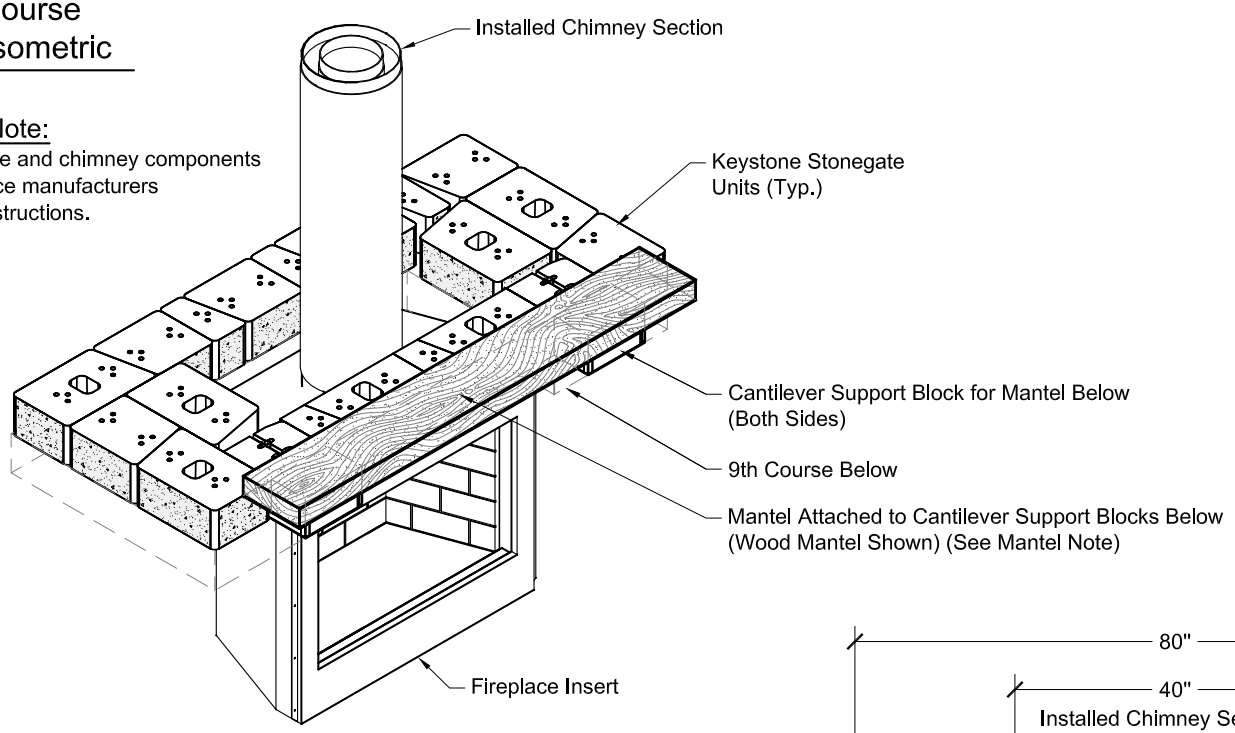
Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed.
Block units to be cut due to obstruction are labeled with solid hatching.
Block units to be cut to fit are labeled with angular hatching.

10th Course Plan



10th Course Mantel Isometric

Fireplace Note:
Install fireplace and chimney components as per fireplace manufacturers installation instructions.



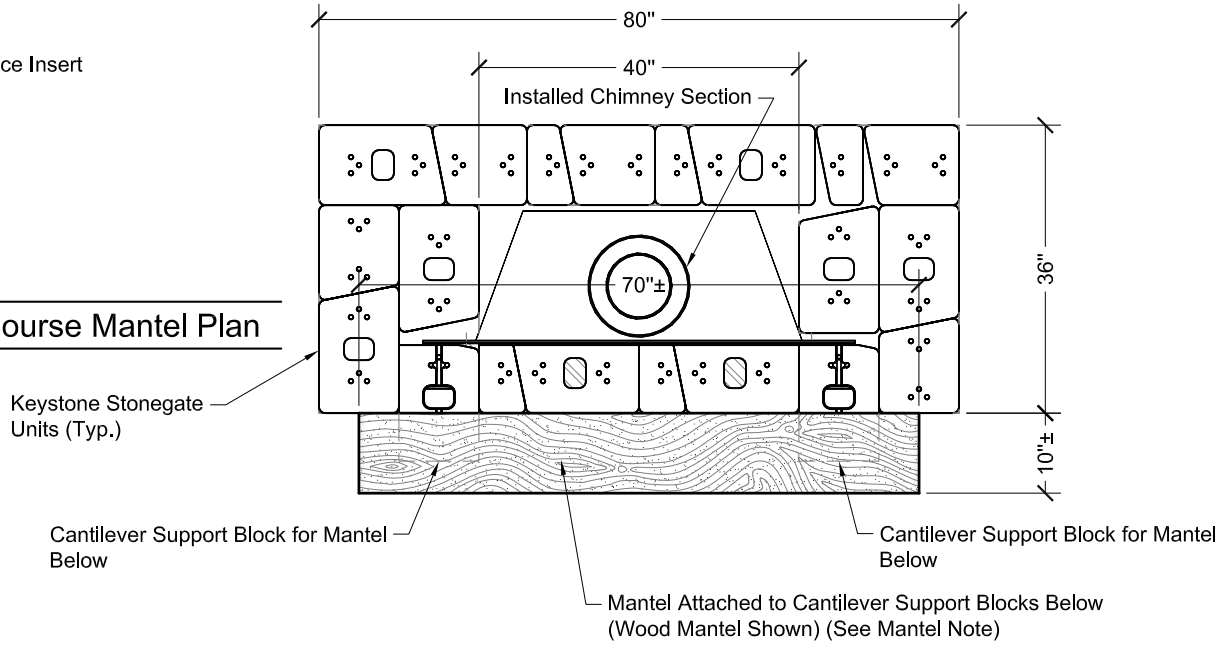
Mantel Note:
Mantel piece as per home owners interest.

Pin holes and channels in the cantilever blocks may be used to attach the mantel piece.

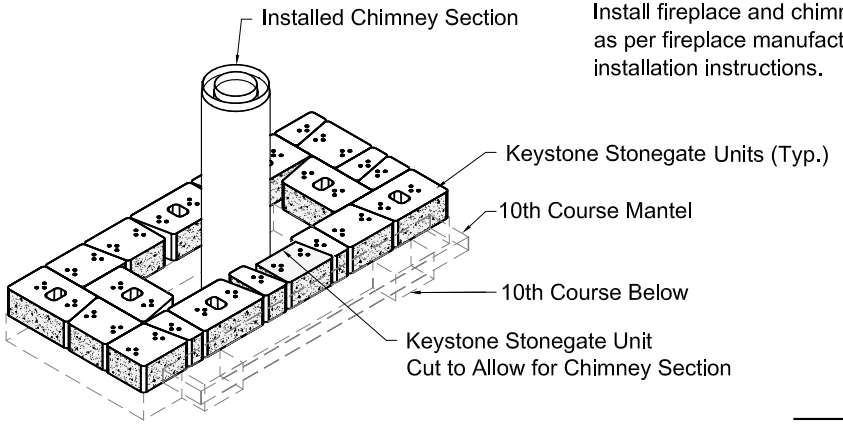
Attach mantel piece once fireplace and chimney build out is completed.

For Wood Mantel:
Once fireplace and chimney build out is completed attach the mantel to the cantilevel blocks using a minimum 3/8" steel lag bolts w/washers to fasten to mantel above.

10th Course Mantel Plan



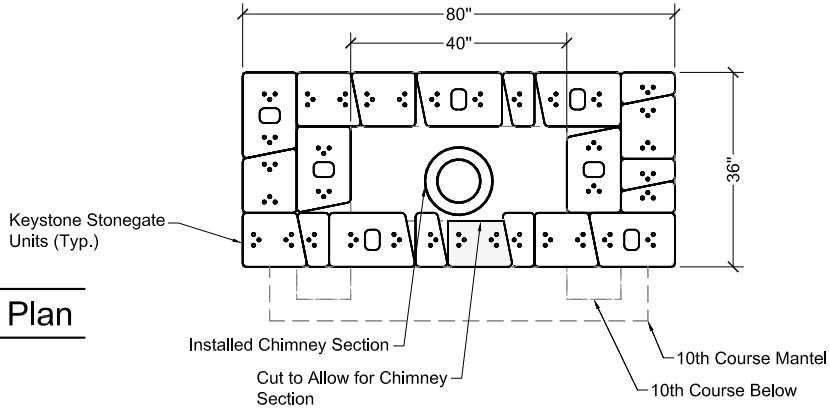
11th Course Isometric



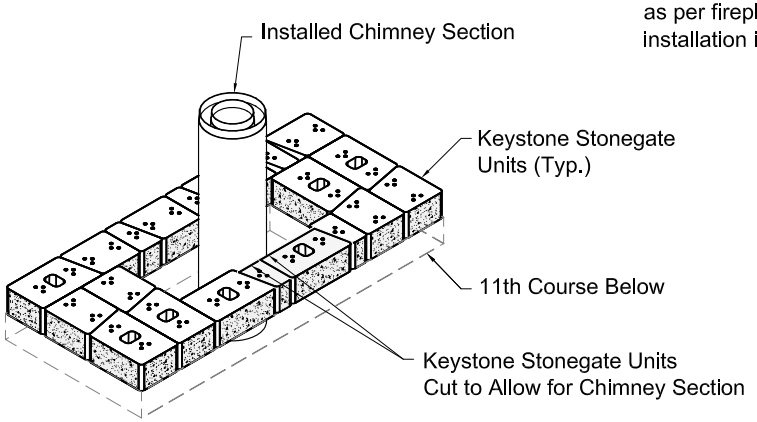
Fireplace Note:
Install fireplace and chimney components as per fireplace manufacturers installation instructions.

Block Cutting Note:
Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed. Block units to be cut due to obstruction are labeled with solid hatching. Block units to be cut to fit are labeled with angular hatching.

11th Course Plan



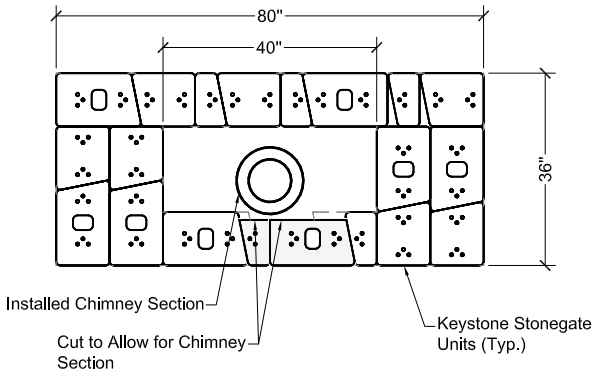
12th Course Isometric



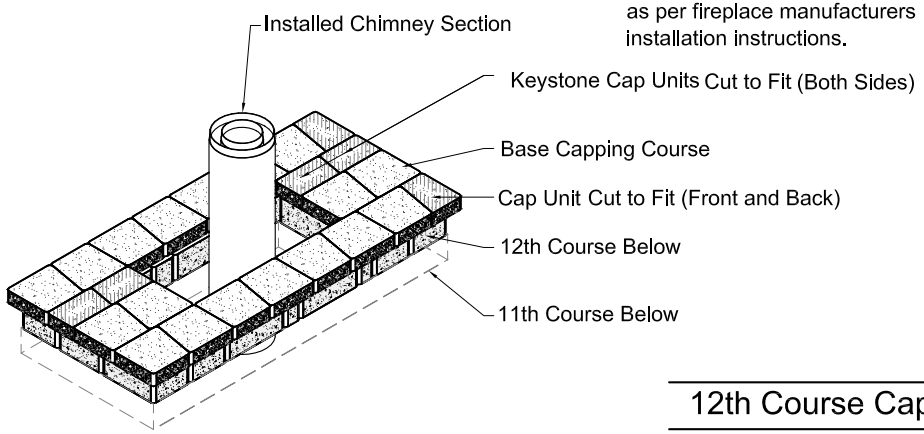
Fireplace Note:
Install fireplace and chimney components as per fireplace manufacturers installation instructions.

Block Cutting Note:
Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed. Block units to be cut due to obstruction are labeled with solid hatching. Block units to be cut to fit are labeled with angular hatching.

12th Course Plan



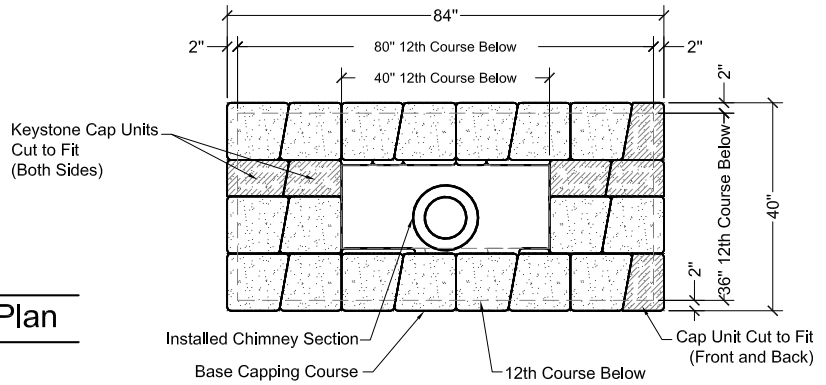
12th Course Capping Isometric



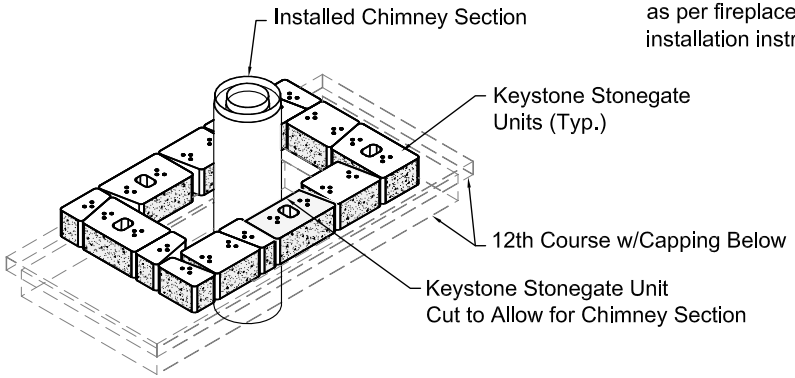
Fireplace Note:
Install fireplace and chimney components as per fireplace manufacturers installation instructions.

Cap Cutting:
Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed. Cap units to be cut due to obstruction are labeled with solid hatching. Cap units to be cut to fit are labeled with angular hatching.

12th Course Capping Plan



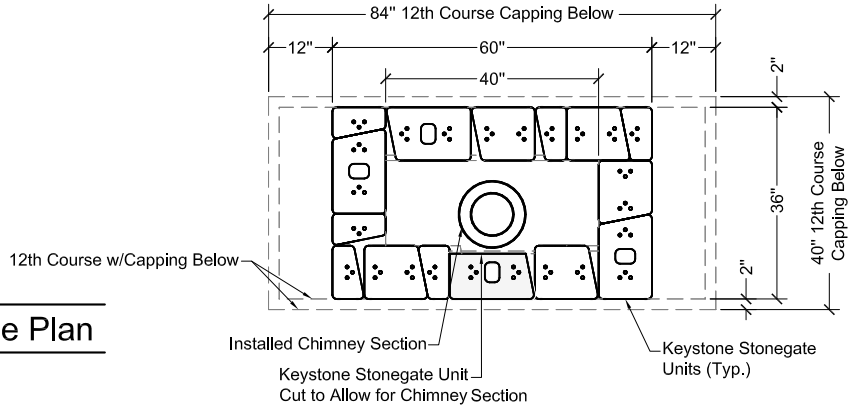
13th Course Isometric



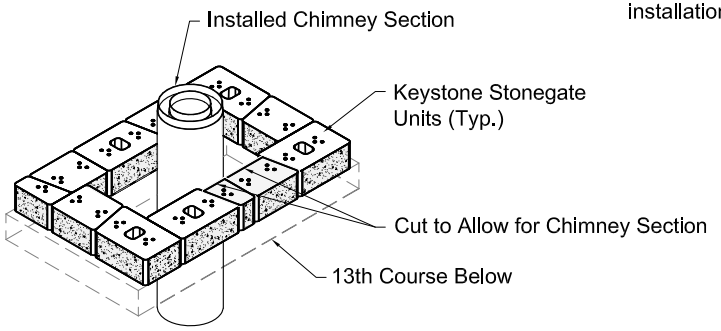
Fireplace Note:
Install fireplace and chimney components as per fireplace manufacturers installation instructions.

Block Cutting Note:
Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed. Block units to be cut due to obstruction are labeled with solid hatching. Block units to be cut to fit are labeled with angular hatching.

13th Course Plan



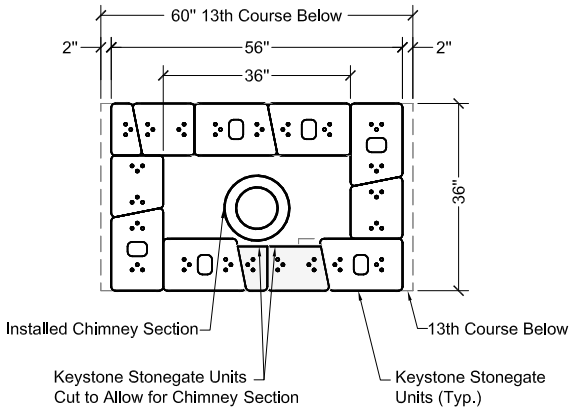
14th Course Isometric



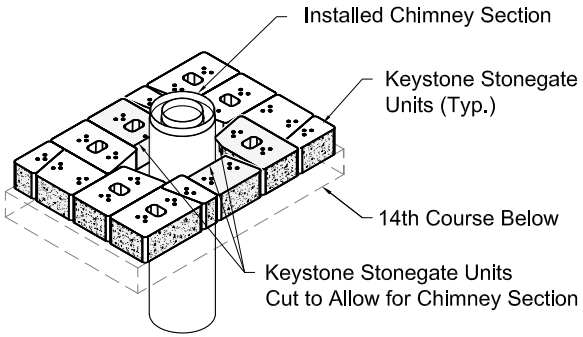
Fireplace Note:
Install fireplace and chimney components as per fireplace manufacturers installation instructions.

Block Cutting Note:
Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed. Block units to be cut due to obstruction are labeled with solid hatching. Block units to be cut to fit are labeled with angular hatching.

14th Course Plan



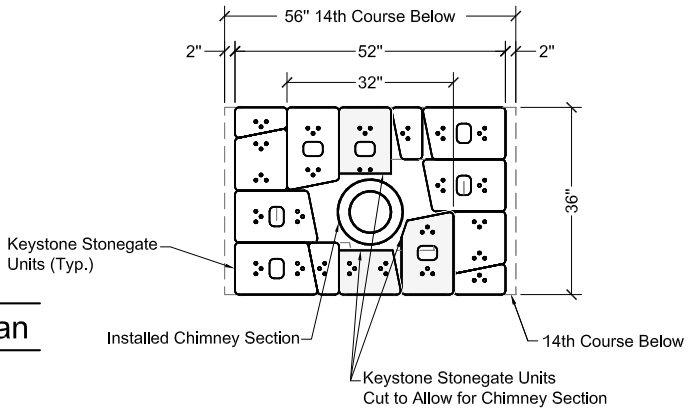
15th Course Isometric



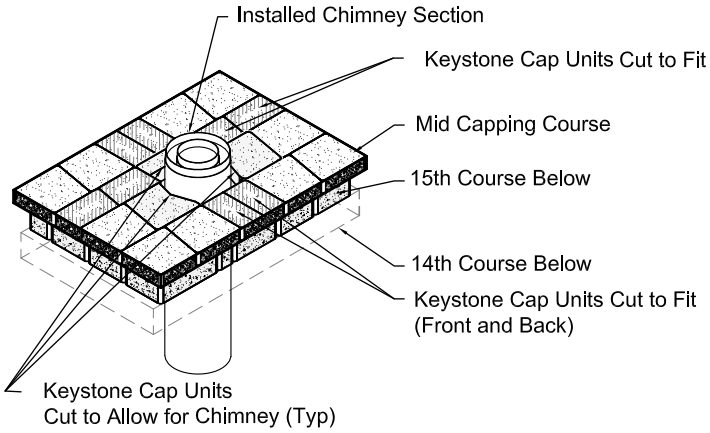
Fireplace Note:
Install fireplace and chimney components as per fireplace manufacturers installation instructions.

Block Cutting Note:
Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed. Block units to be cut due to obstruction are labeled with solid hatching. Block units to be cut to fit are labeled with angular hatching.

15th Course Plan



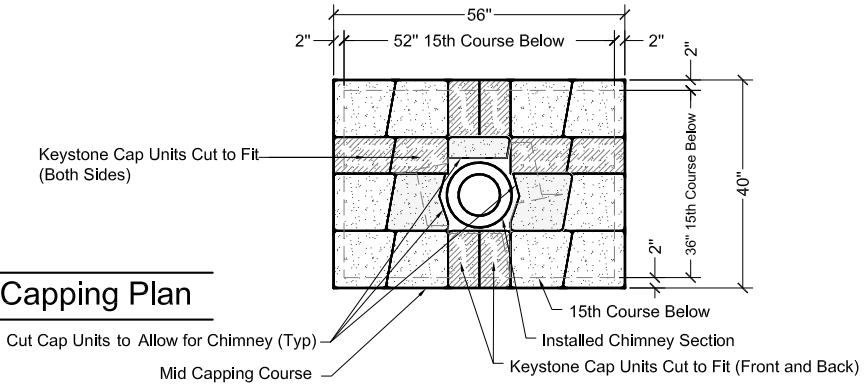
15th Course Capping Isometric



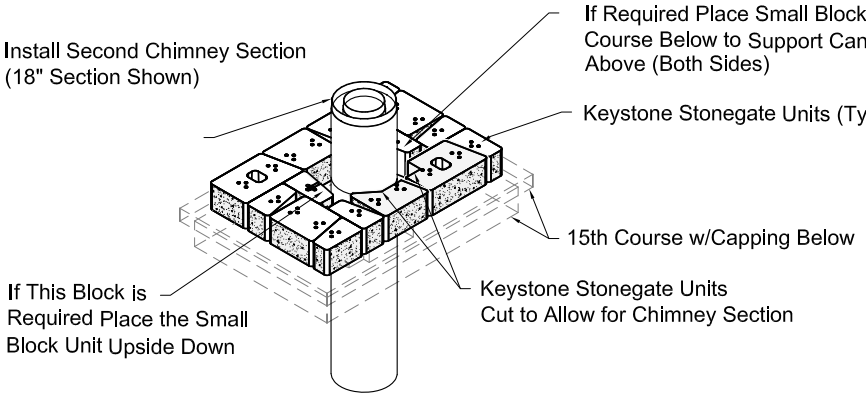
Fireplace Note:
Install fireplace and chimney components as per fireplace manufacturers installation instructions.

Cap Cutting:
Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed. Cap units to be cut due to obstruction are labeled with solid hatching. Cap units to be cut to fit are labeled with angular hatching.

15th Course Capping Plan



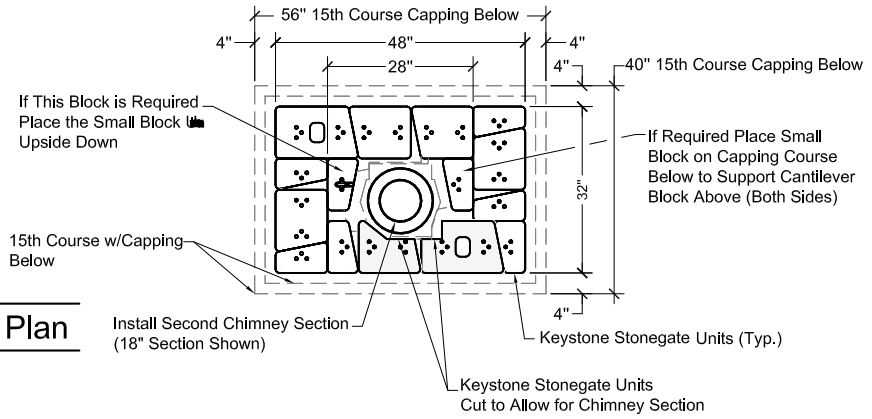
16th Course Isometric



Fireplace Note:
Install fireplace and chimney components as per fireplace manufacturers installation instructions.

Block Cutting Note:
Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed. Block units to be cut due to obstruction are labeled with solid hatching. Block units to be cut to fit are labeled with angular hatching.

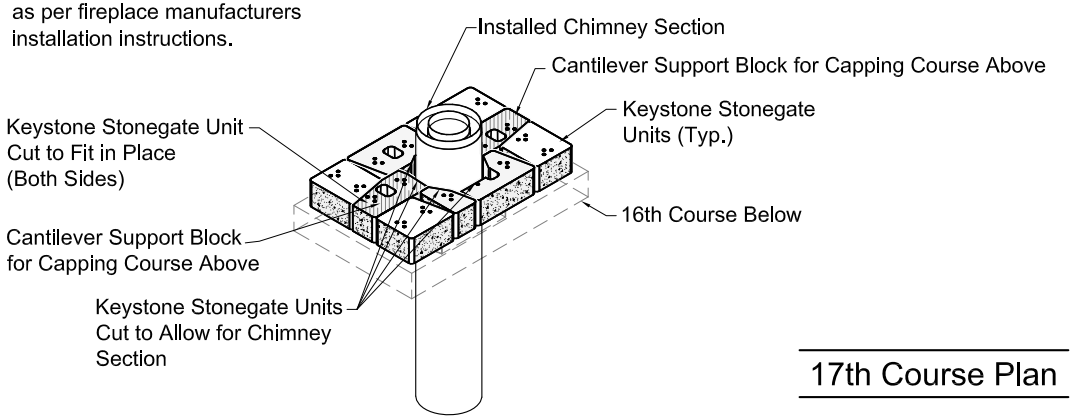
16th Course Plan



17th Course Isometric

Fireplace Note:

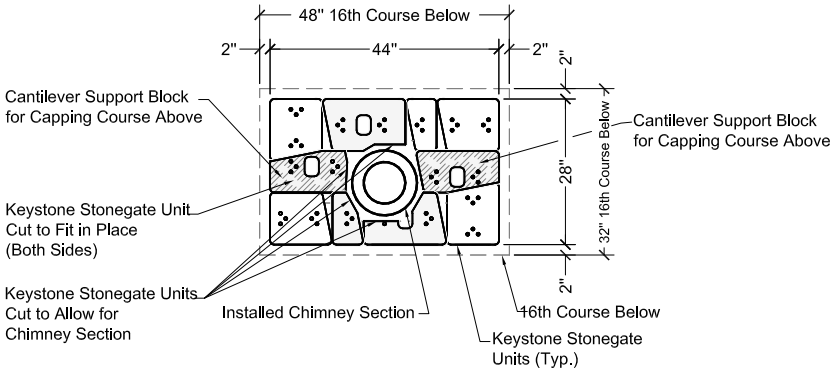
Install fireplace and chimney components as per fireplace manufacturers installation instructions.



Block Cutting Note:

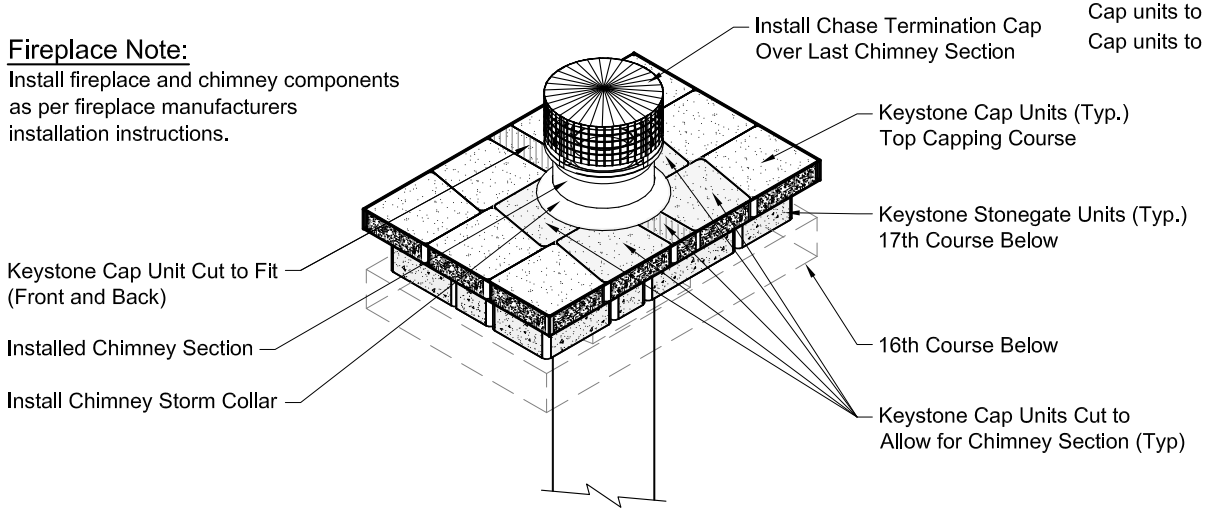
Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed. Block units to be cut due to obstruction are labeled with solid hatching. Block units to be cut to fit are labeled with angular hatching.

17th Course Plan



17th Course Capping Isometric

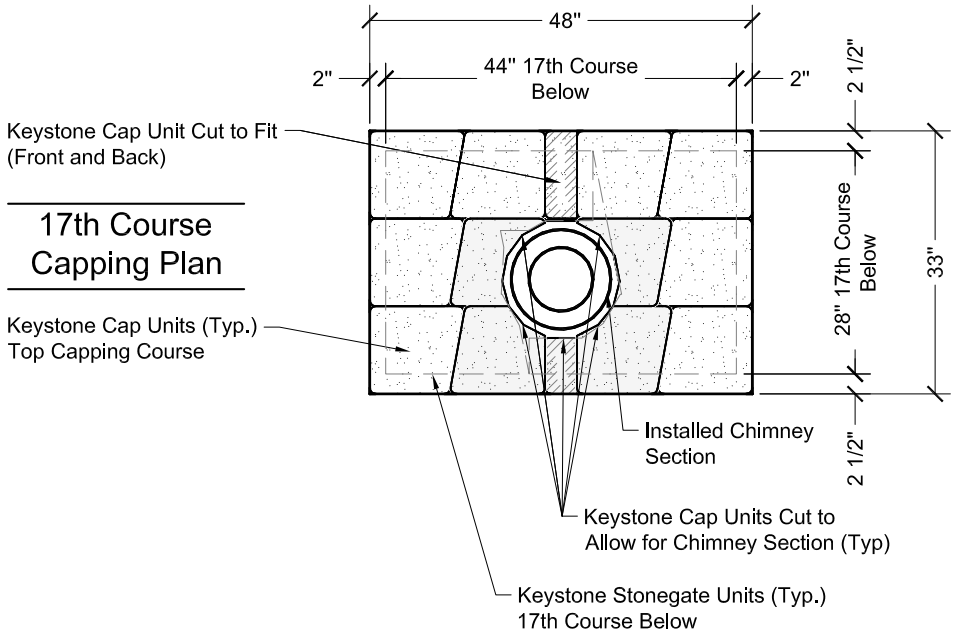
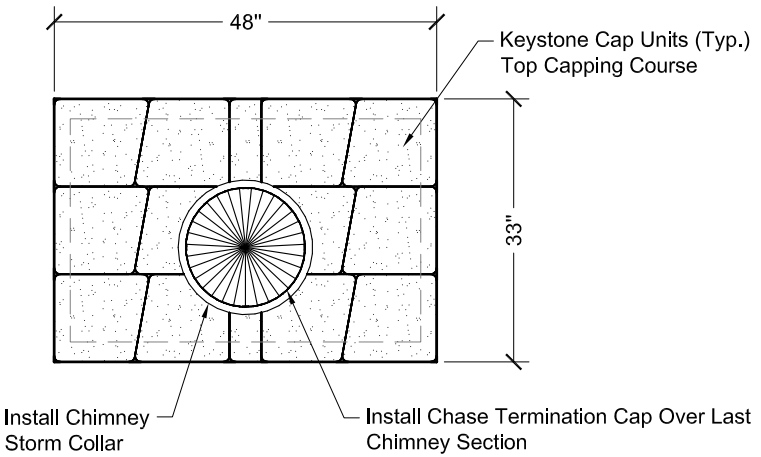
Fireplace Note:
Install fireplace and chimney components as per fireplace manufacturers installation instructions.



Cap Cutting:
Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed.
Cap units to be cut due to obstruction are labeled with solid hatching.
Cap units to be cut to fit are labeled with angular hatching.

Note:
Install storm collar over chimney and down to top capping course prior to installing chase termination cap. Seal as per fireplace manufacturers installation instructions.

17th Course Capping Plan



17th Course Capping w/Termination Cap Plan