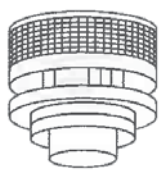


WOOD BURNING OUTDOOR FIREPLACE
W/CURVED WALLS & COLUMNS
Installation Instructions using Stonegate® 3-pc System



FIREPLACE WITH CURVED WALLS & COLUMNS

KIT CONTAINS



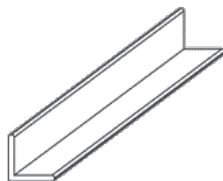
Contemporary Termination Round



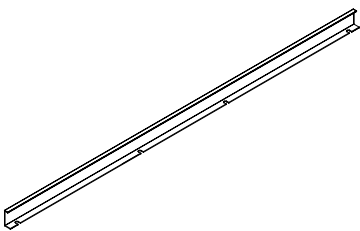
12" and 48" Chimney Sections



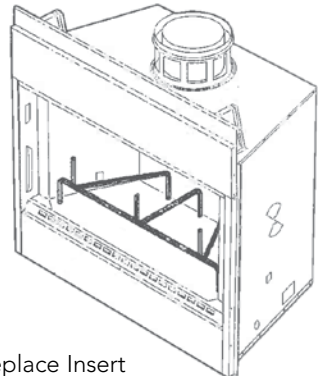
Storm Collar



Steel Lintel



Fireplace Trim Piece



Fireplace Insert with Grate

BASIC TOOLS

SAFETY

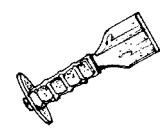


Safety Glasses

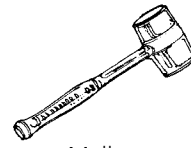


Gloves

ALTERATIONS



Stone Chisel

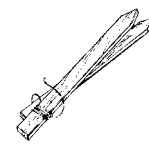


Mallet



Concrete Saw

LAYOUT

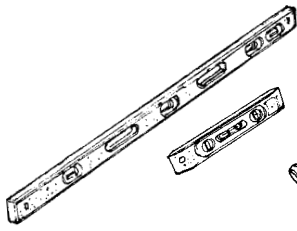


Layout Stakes

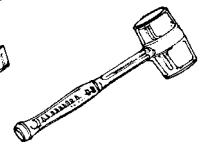


Line

LEVELING



Level(s)

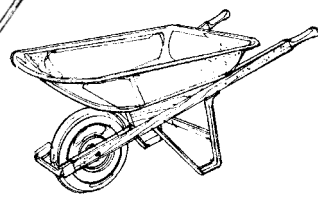


Mallet

GENERAL



Shovel

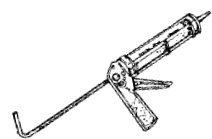


Wheel Barrow



Hand Compactor

FINISHING

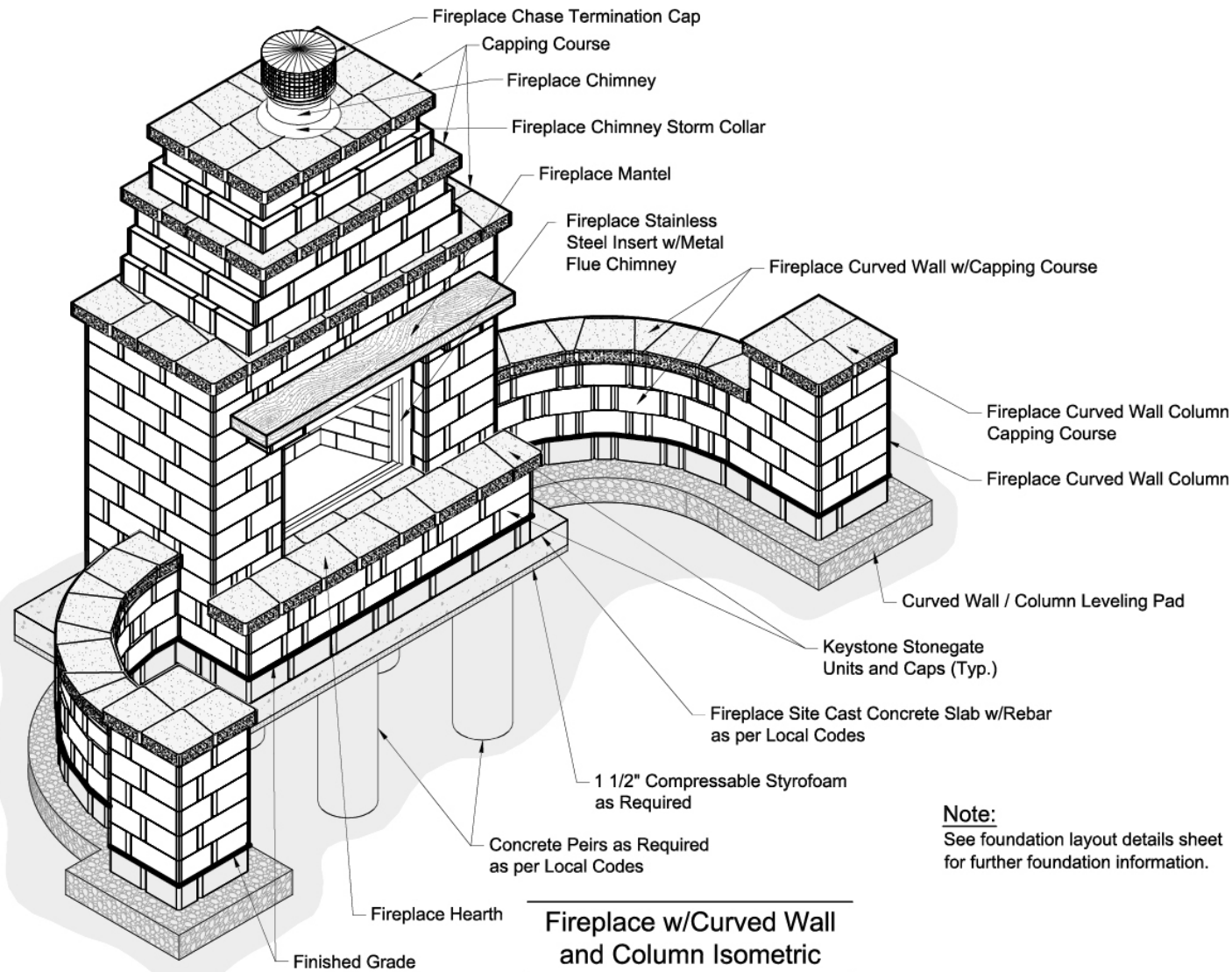


Caulking Gun



Exterior Grade Construction Adhesive

FIREPLACE WITH CURVED WALLS & COLUMNS



You will need:

- 139 - 16" / 14" w Large units
- 141 - 12" / 10" w Medium units
- 175 - 6" / 4" w Small units
- 105 - 12" / 10" w Stonegate caps
- 600 - Interlocking Pins (approx.) (use where alignment allows)
- 25 - Tubes Exterior Grade Concrete Adhesive (approx.) Apply two 1/4" strips of concrete adhesive on each course.
- Mantel Piece
- Fireplace Insert (contact Keystone for specs & retail options)
- Steel lintel - (1) 54" L angle
- Concrete slab material - 19.5 cf
- Curved Wall/Column pad material - 15.9 cf

Notes:

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

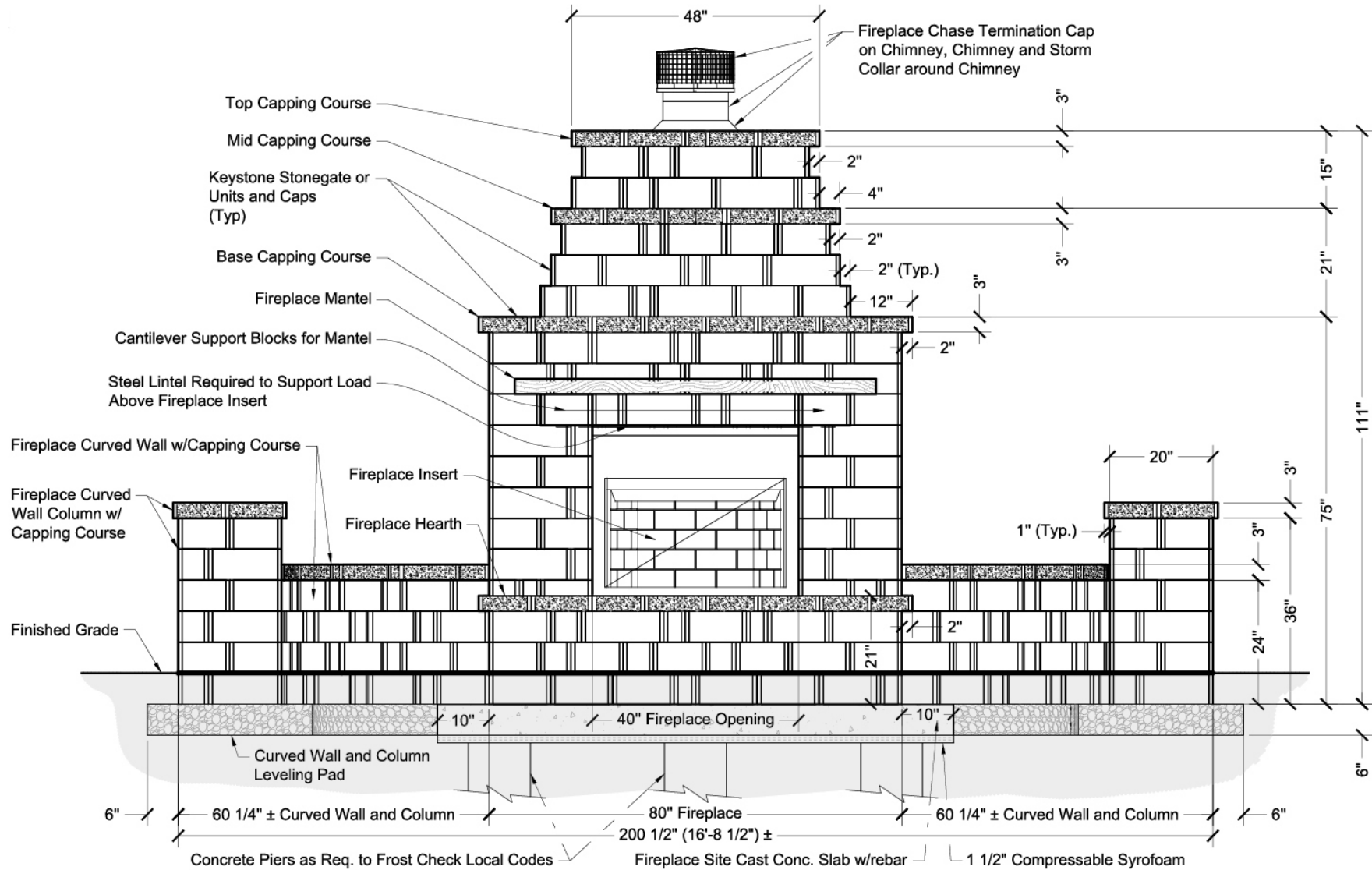
Note:

See foundation layout details sheet for further foundation information.

General Note:

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

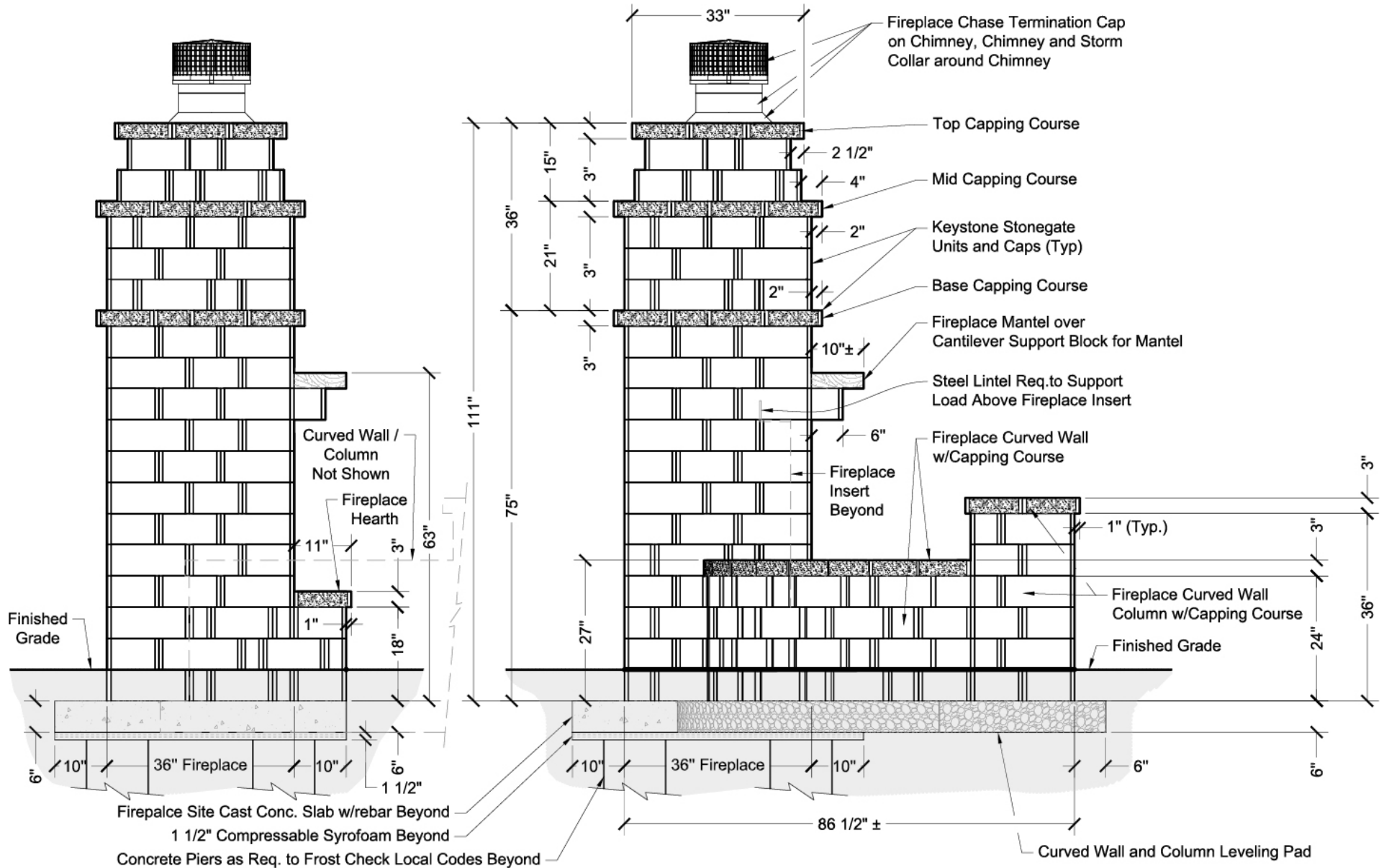
FIREPLACE WITH CURVED WALLS & COLUMNS



Fireplace w/Curved Wall and Column Front Elevation

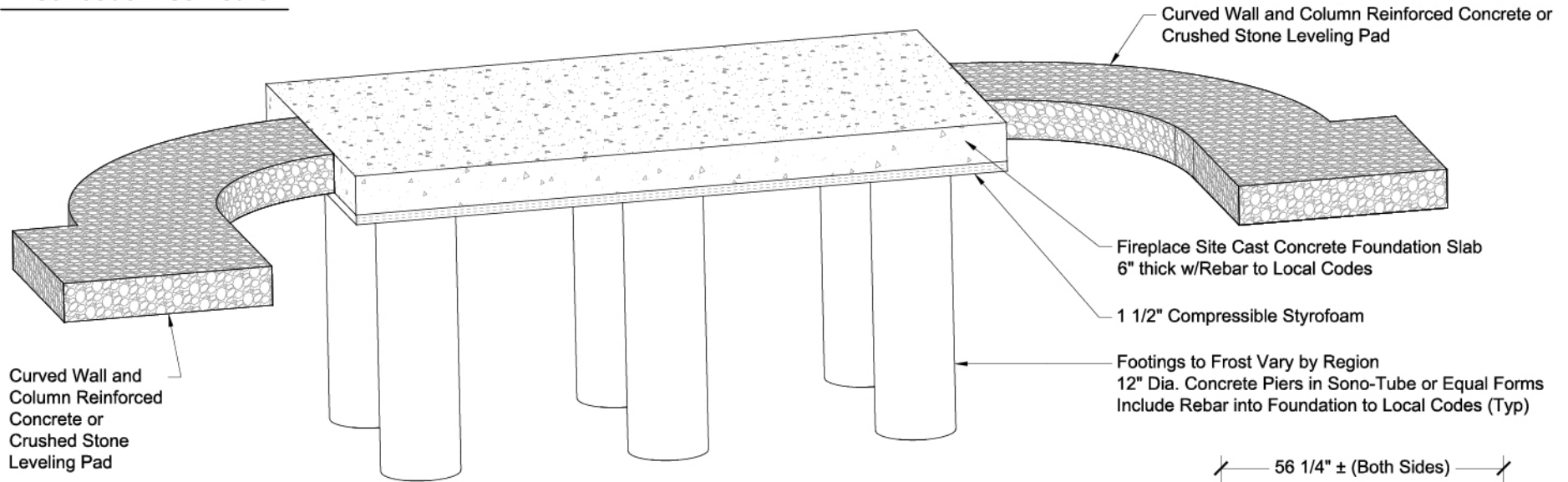
Fireplace insert: See local codes for fireplace/chimney clearances and chimney extension above roof as required. Please refer to the installation manual that is included with the fireplace insert for proper installation instructions.

FIREPLACE WITH CURVED WALLS & COLUMNS

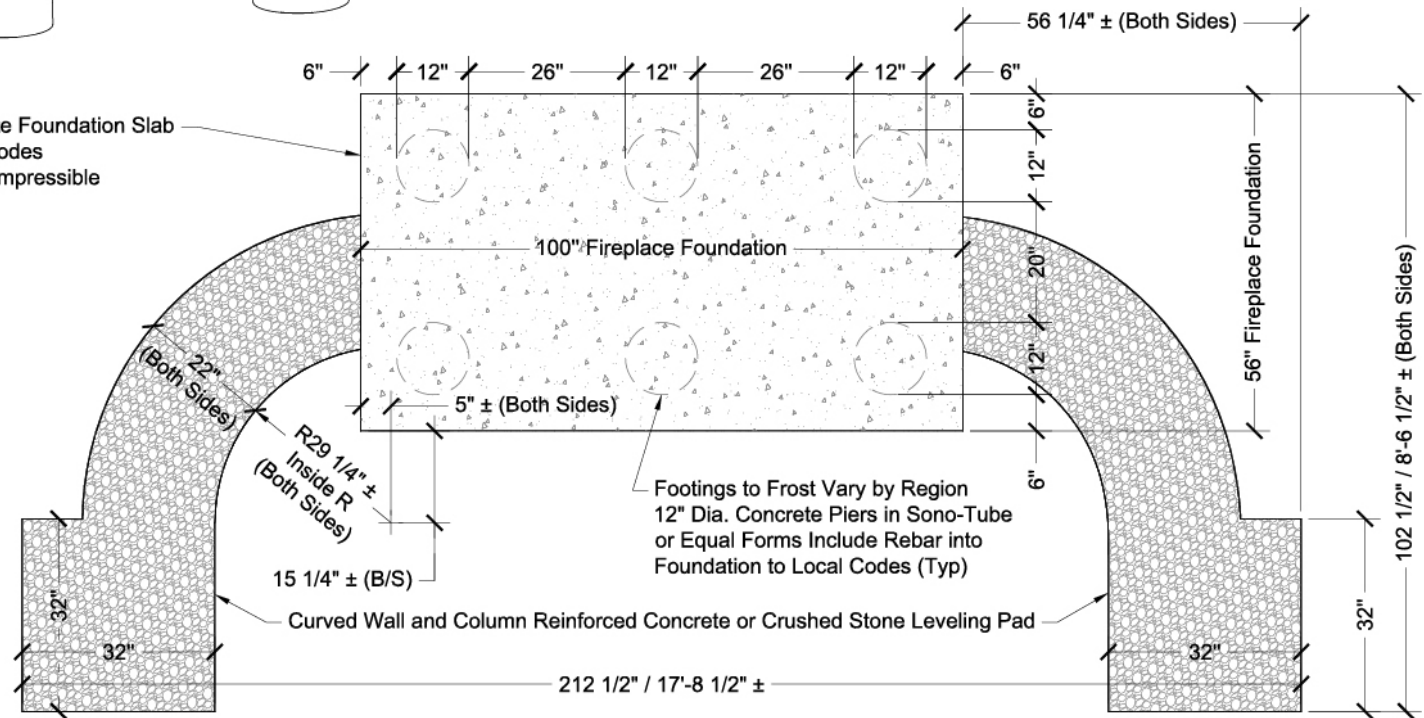


COURSE BY COURSE INSTRUCTIONS

Foundation Isometric



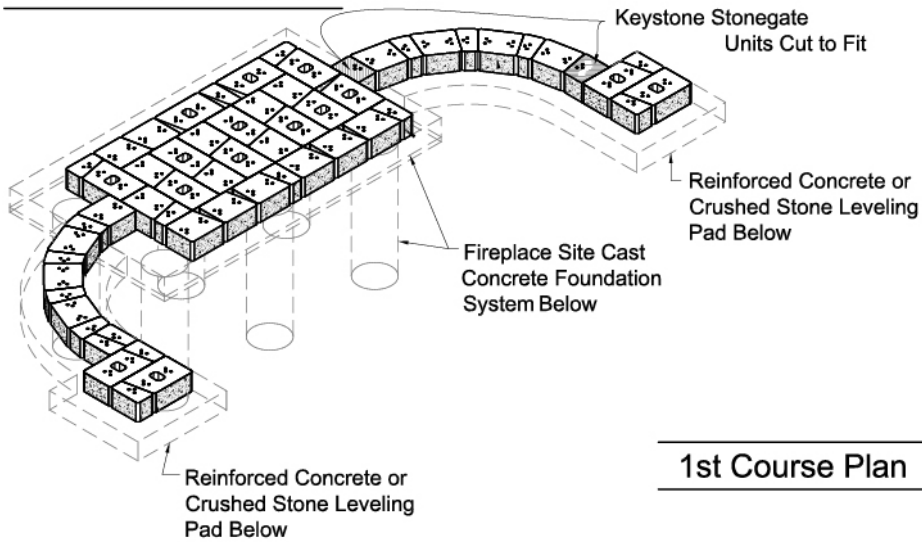
Fireplace Site Cast Concrete Foundation Slab 6" thick w/Rebar to Local Codes Over 1 1/2" Styrofoam - Compressible



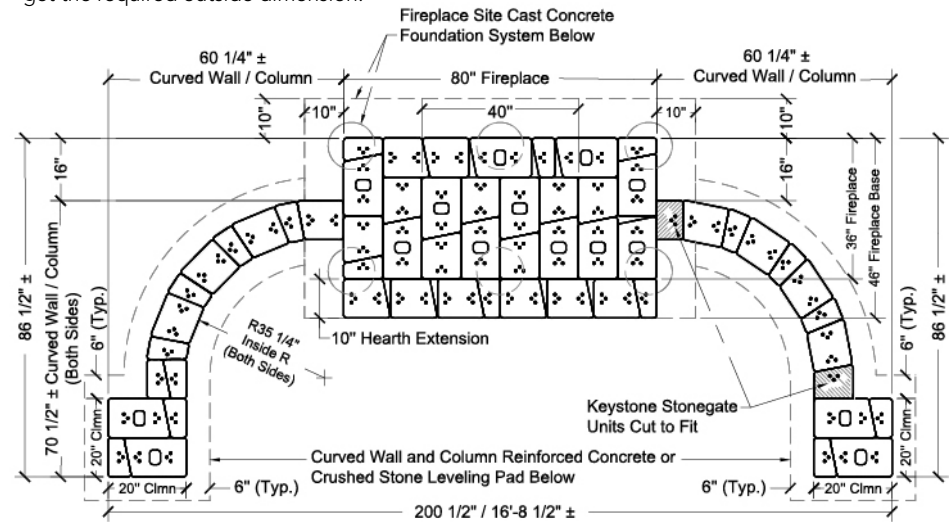
Foundation Plan

COURSE BY COURSE INSTRUCTIONS

1st Course Isometric

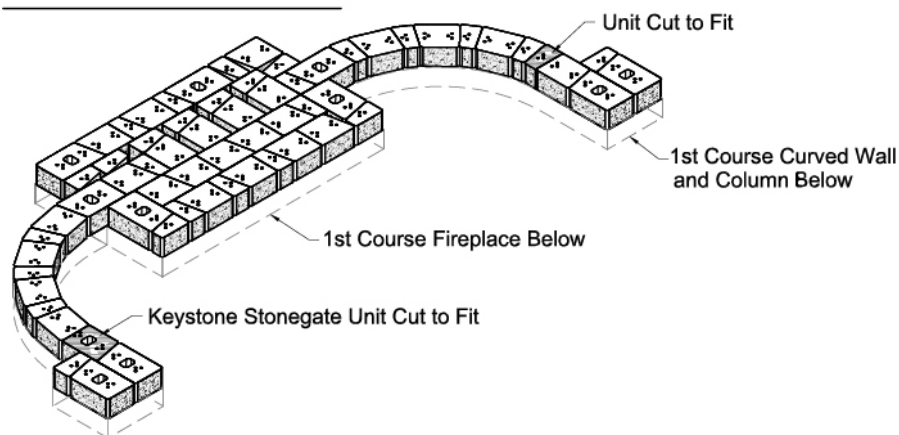


1st Course Plan

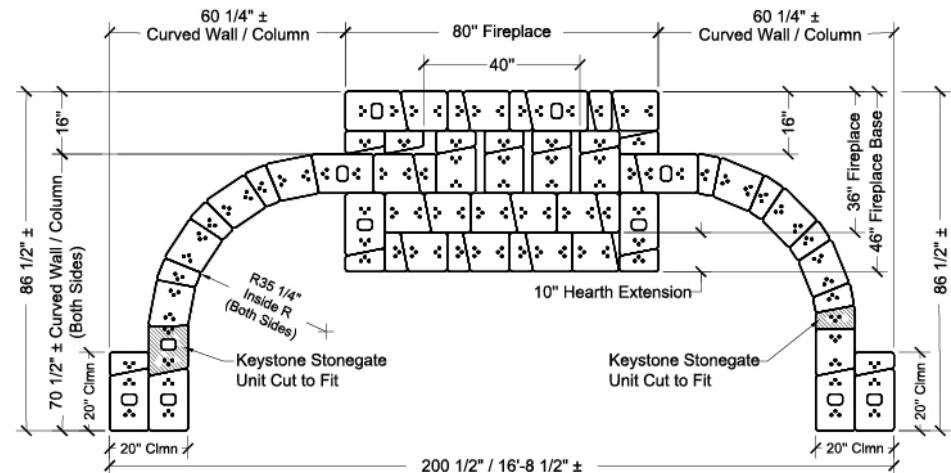


Note: Due to block outside face texture variances when building the fireplace courses, the outside dimensions of the courses may get wider than desired. If required, cut an interior perimeter unit to get the required outside dimension.

2nd Course Isometric



2nd Course Plan

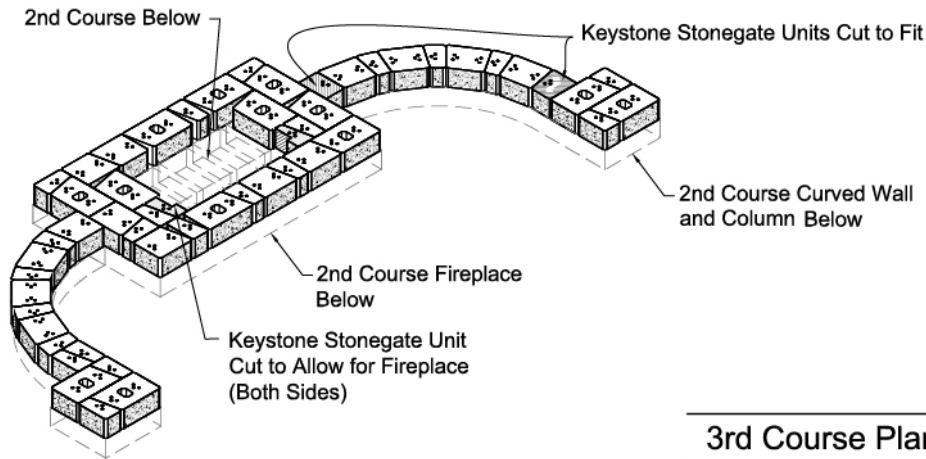


Block Cutting Note:

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.

COURSE BY COURSE INSTRUCTIONS

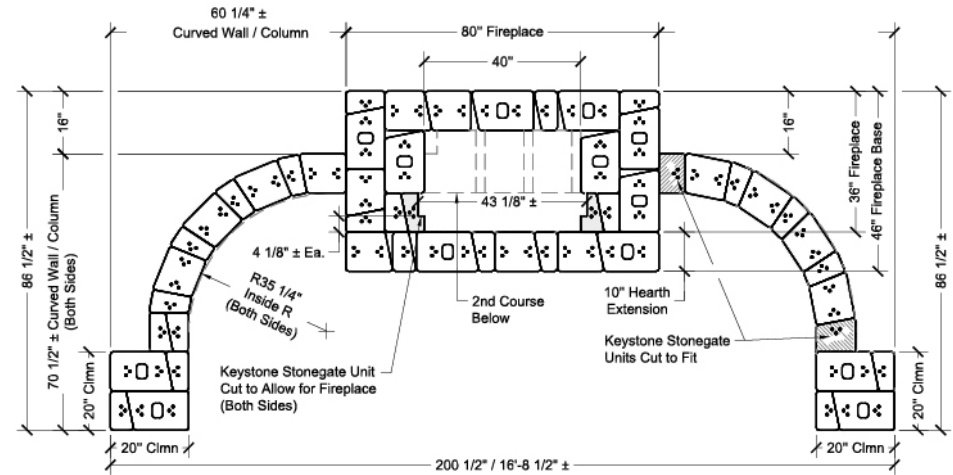
3rd Course Isometric



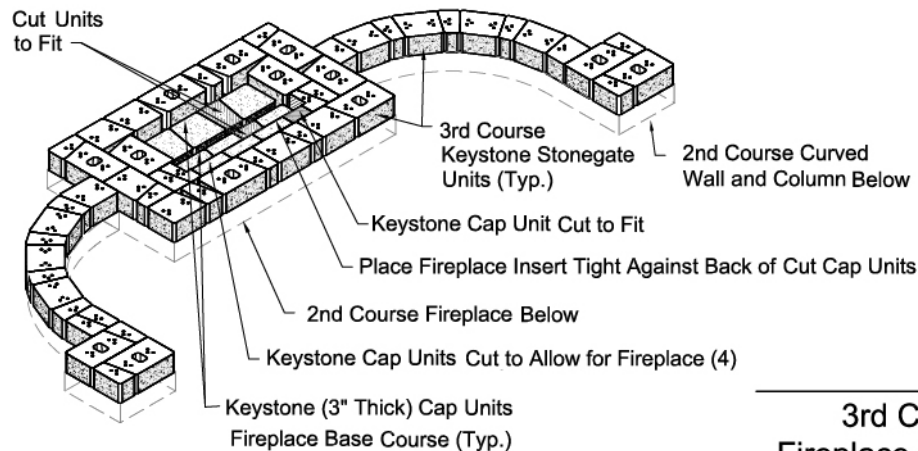
3rd Course Plan

Block Cutting Note:

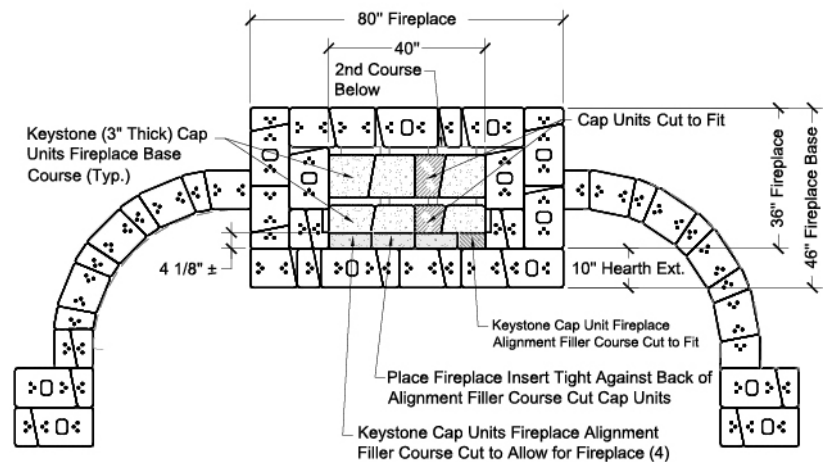
Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed. Block units to be cut due to obstruction are labeled with solid hatching. Block units to be cut to fit are labeled with angular hatching.



3rd Course Fireplace Base Isometric



3rd Course Fireplace Base Plan



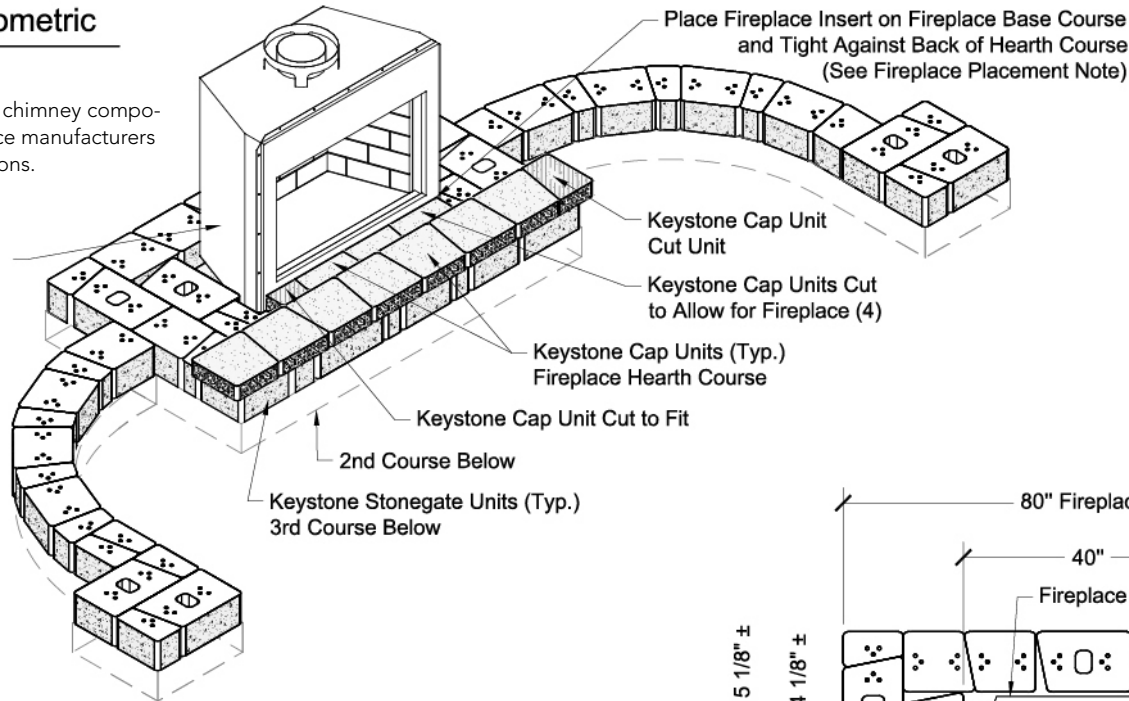
COURSE BY COURSE INSTRUCTIONS

3rd Course Capping Isometric

Fireplace Note:

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

Stainless Steel
Insert w/Metal
Flue Chimney



Fireplace Placement Note:

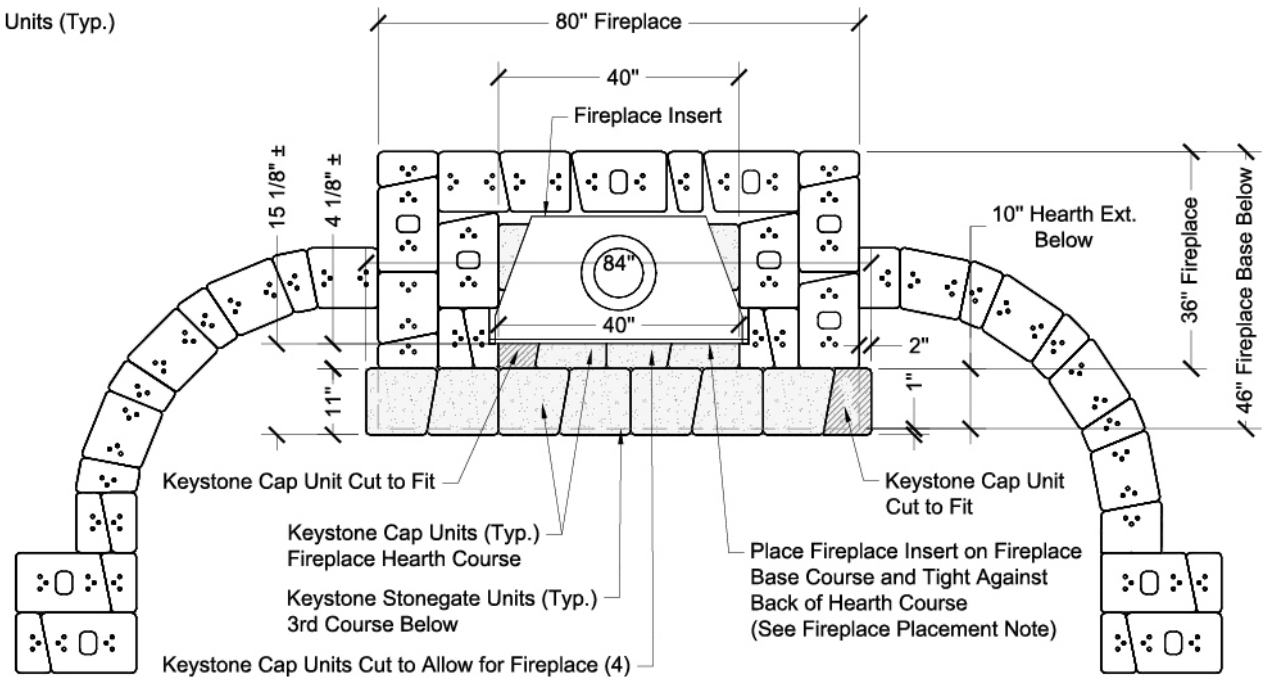
Prior to placing the fireplace insert for proper removal of the fireplace stainless steel face protective wrap, peel back the outside portions of the protective wrap where it will come in contact with block units, cap units and top trim piece.

Cap Cutting Note:

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:

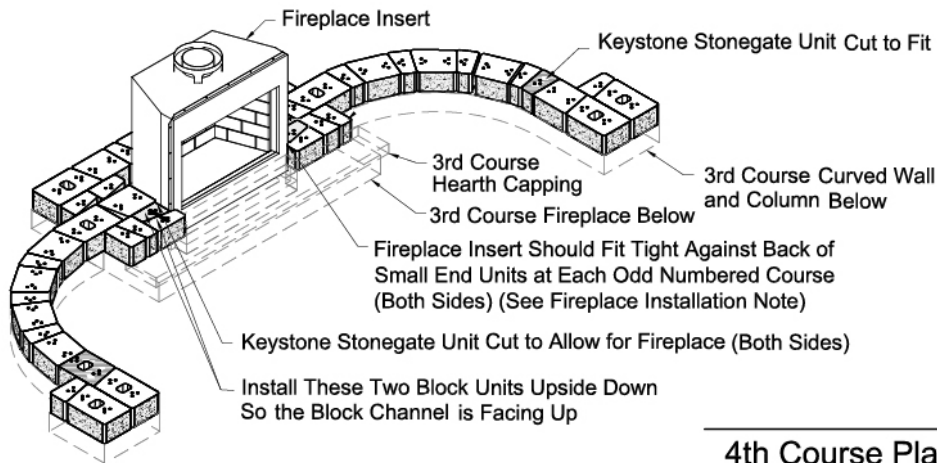
3rd course fireplace hearth capping can be placed after 4th course is in place (not shown here for display purposes).



3rd Course Capping Plan

COURSE BY COURSE INSTRUCTIONS

4th Course Isometric

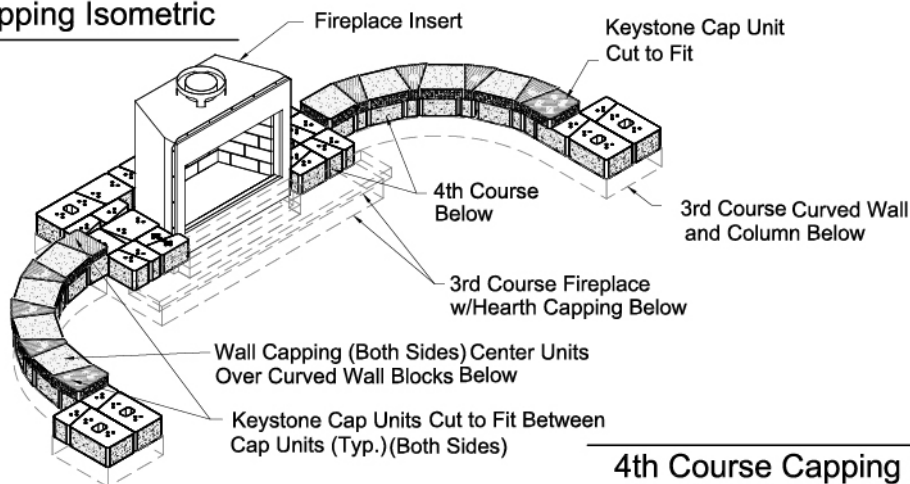


4th Course Plan

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.

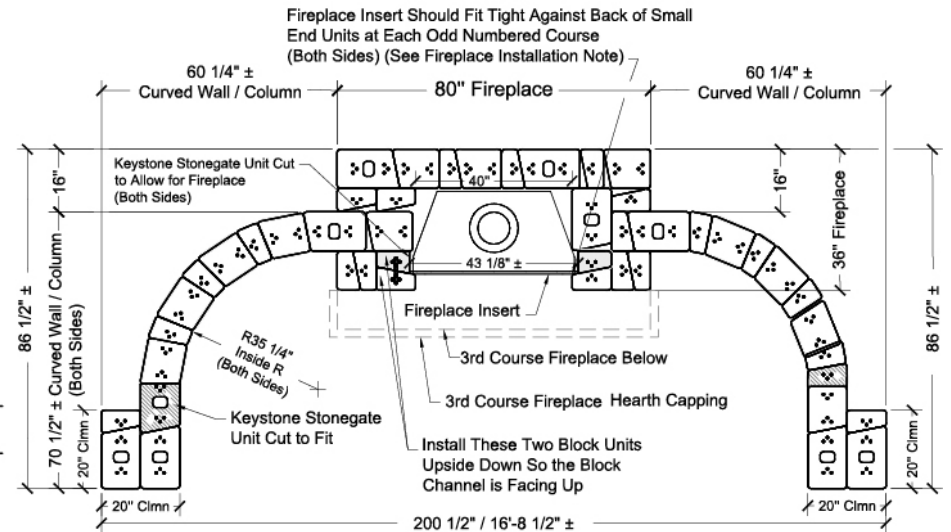
4th Course Capping Isometric



4th Course Capping 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.

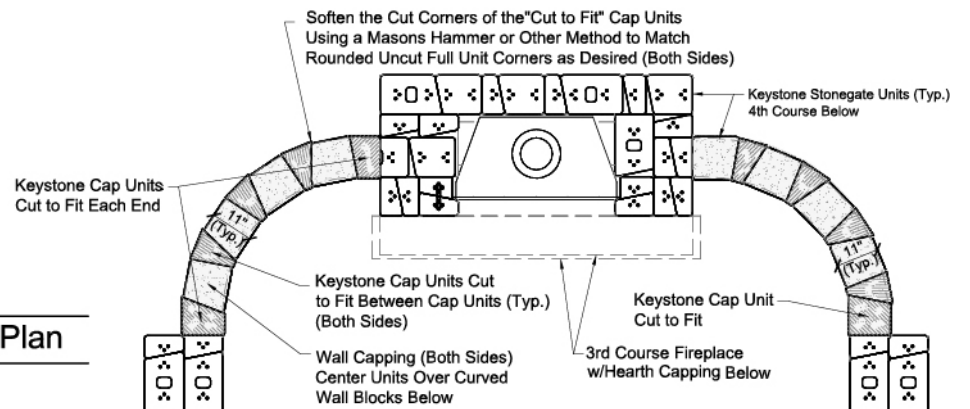


Cap Cutting Note:

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.

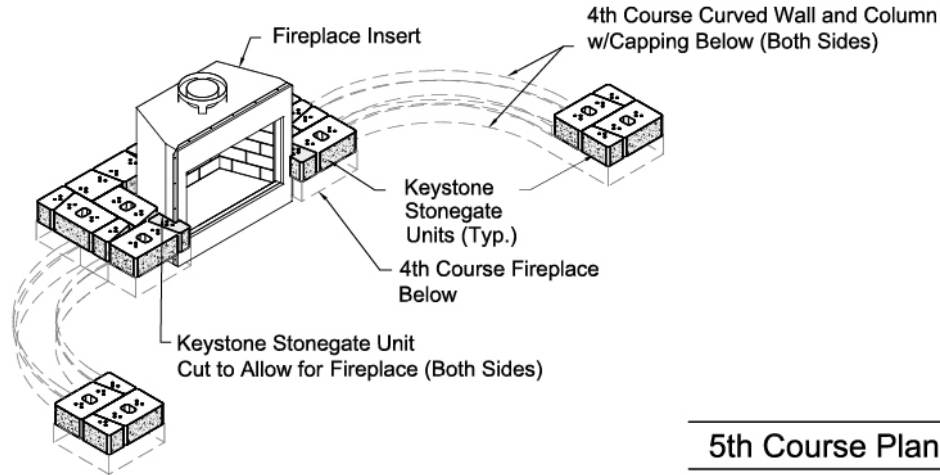
Curved Wall Capping Note:

4th course curved wall capping can be placed after 5th course fireplace/column is in place (not shown here for display purposes)

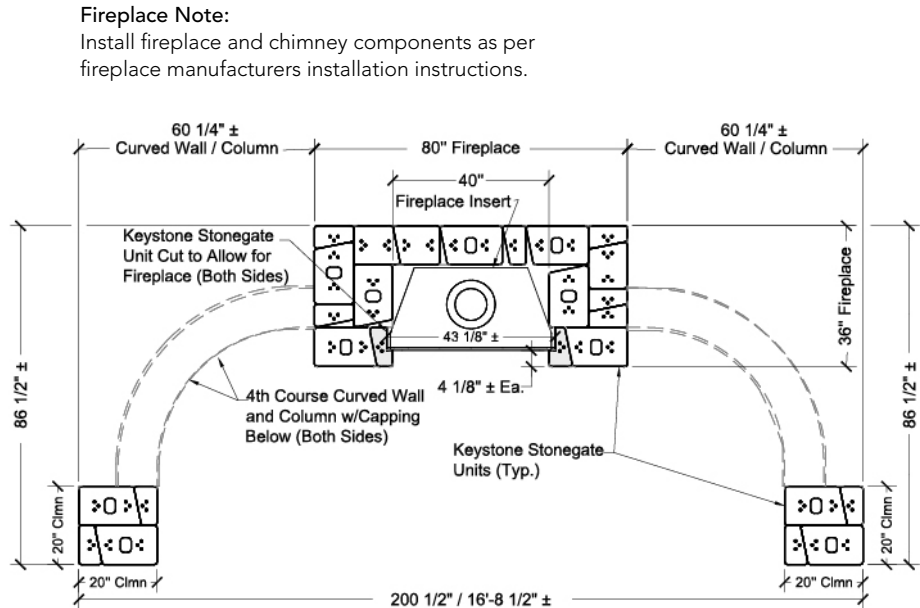


COURSE BY COURSE INSTRUCTIONS

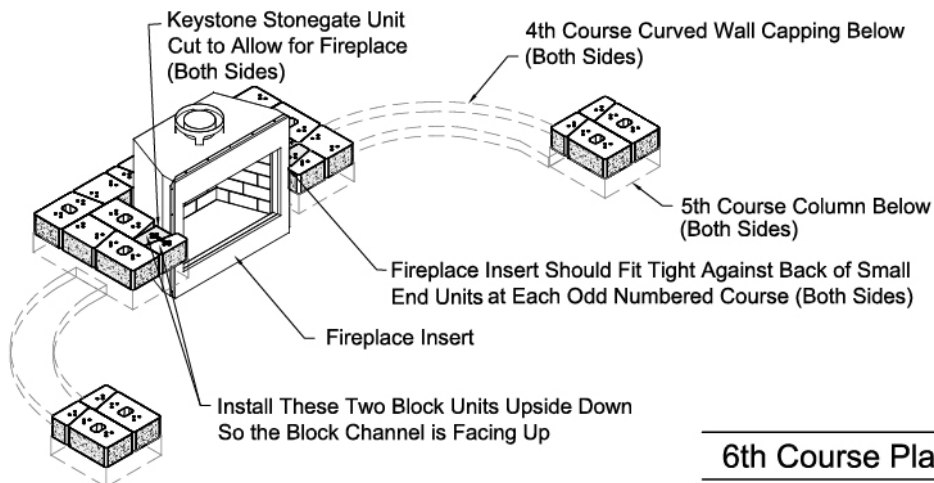
5th Course Isometric



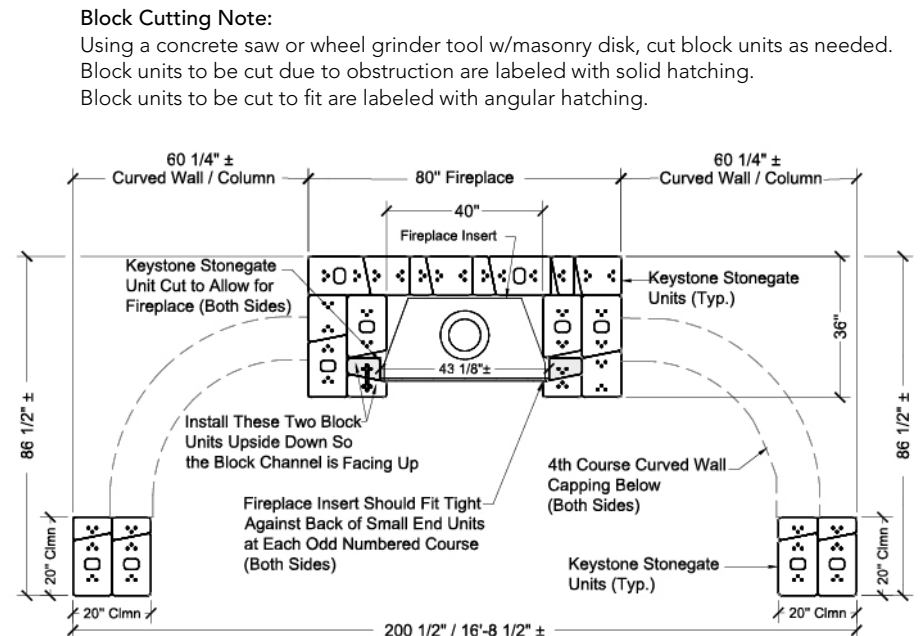
5th Course Plan



6th Course Isometric

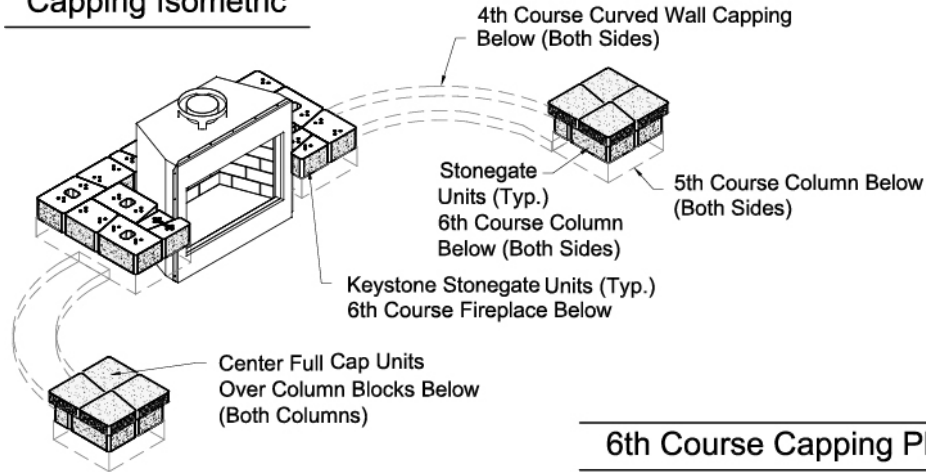


6th Course Plan



COURSE BY COURSE INSTRUCTIONS

6th Course Capping Isometric



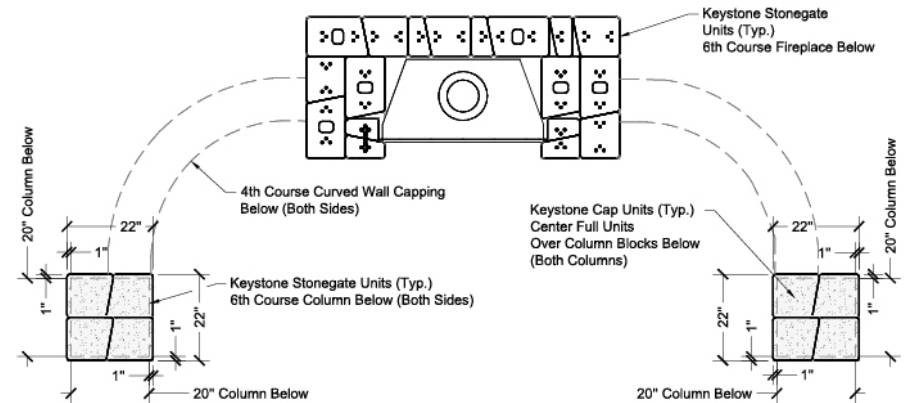
6th Course Capping Plan

Fireplace Note:

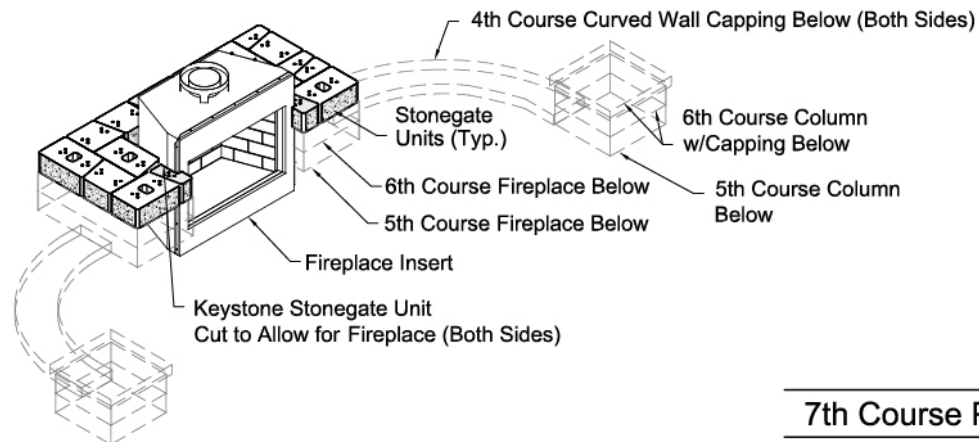
Install fireplace and chimney components as per fireplace manufacturers installation instructions.

Cap Cutting Note:

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.



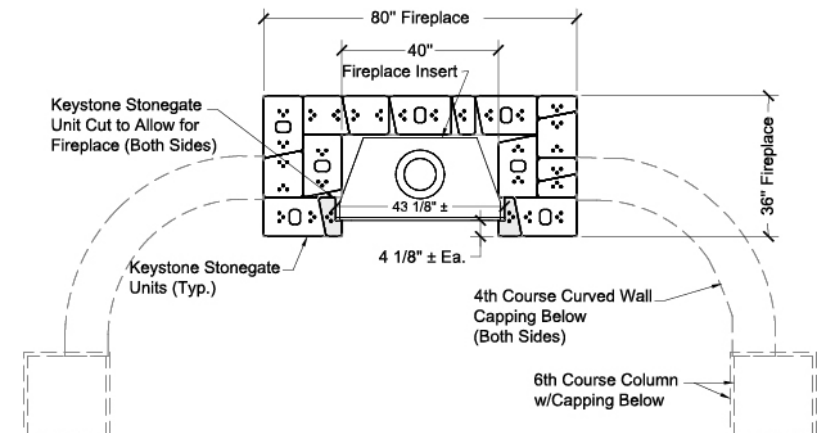
7th Course Isometric



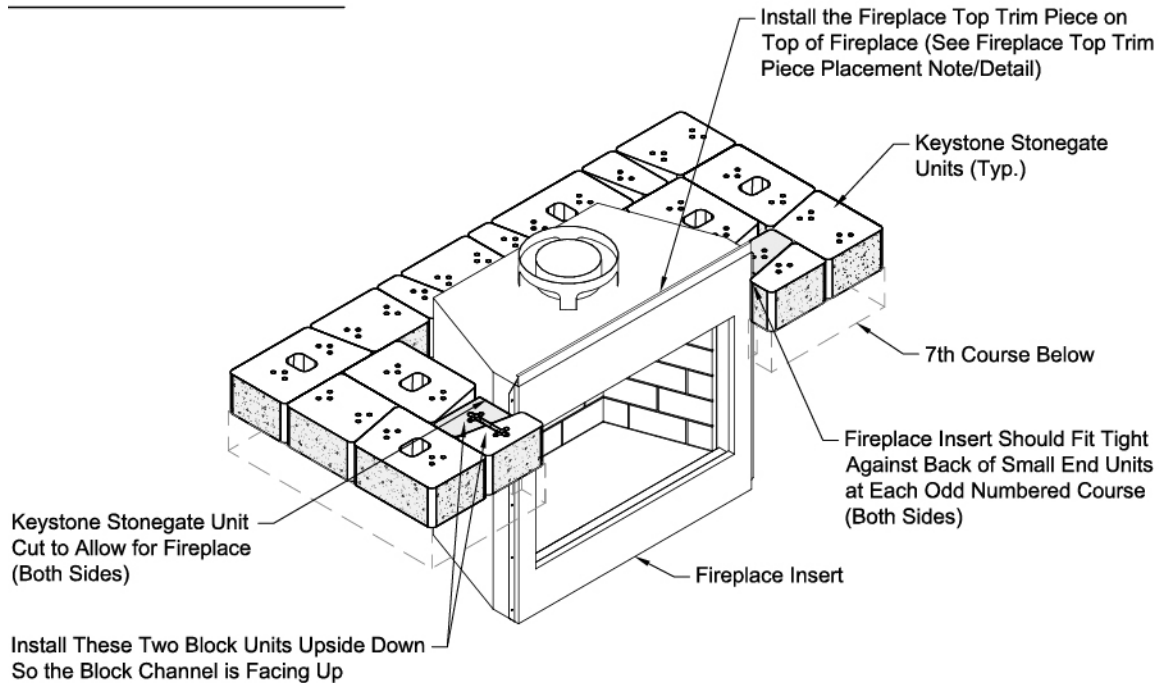
7th Course Plan

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.

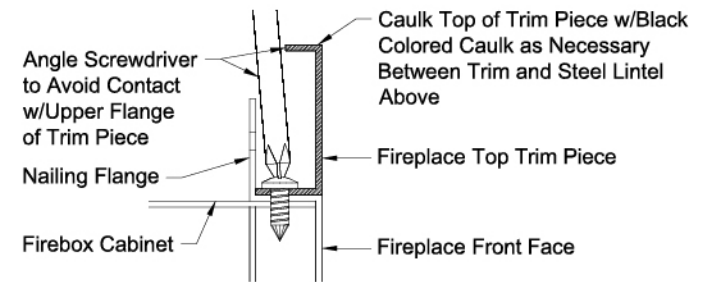


8th Course Isometric

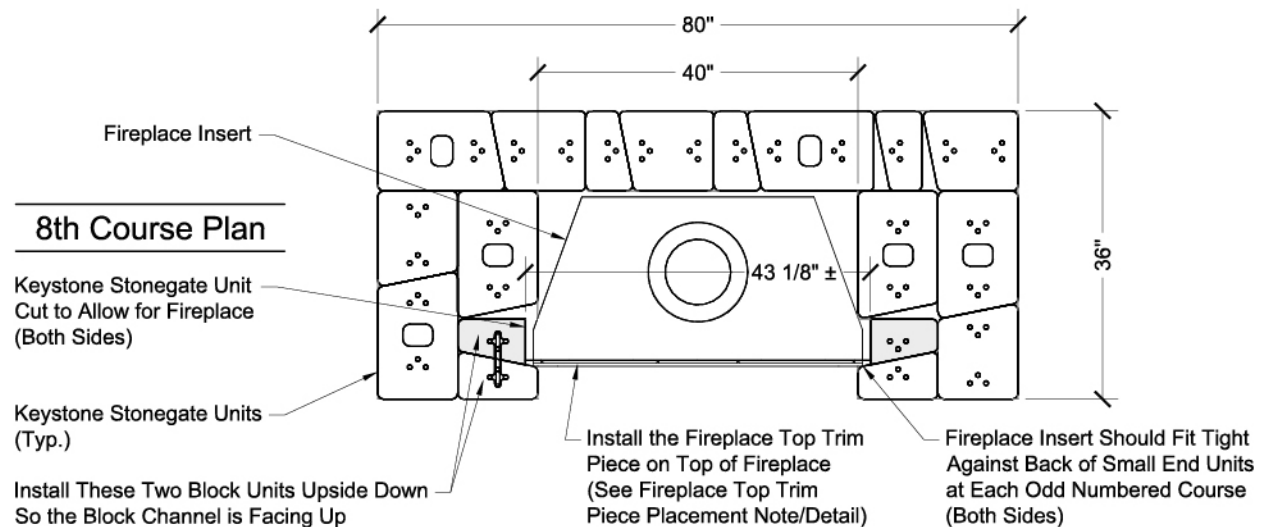


Fireplace Top Trim Piece Placement Note:

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



COURSE BY COURSE INSTRUCTIONS

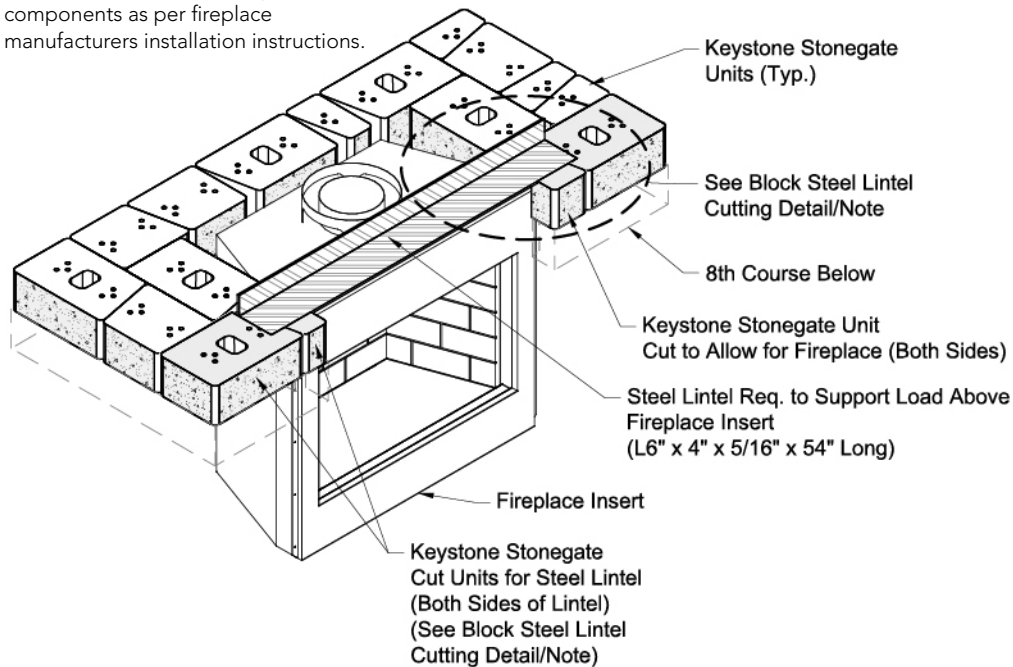
9th Course Isometric

Fireplace Note:

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

Note:

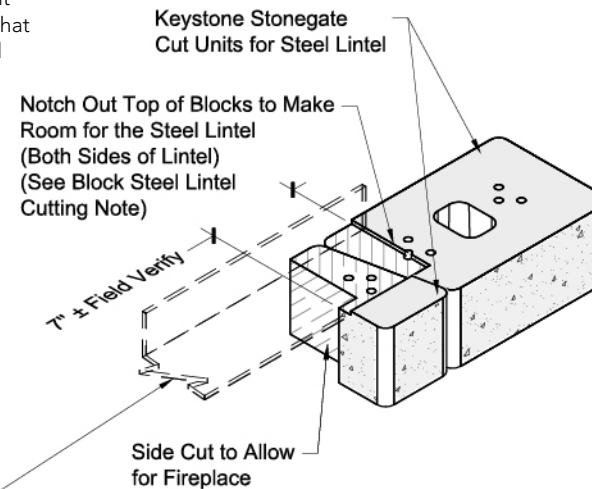
Steel lintel installer to remove the two (2) front S.S. top spacers on supplied fireplace insert that will conflict w/steel lintel. Remove screws and remove brackets, they will not be needed.



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.

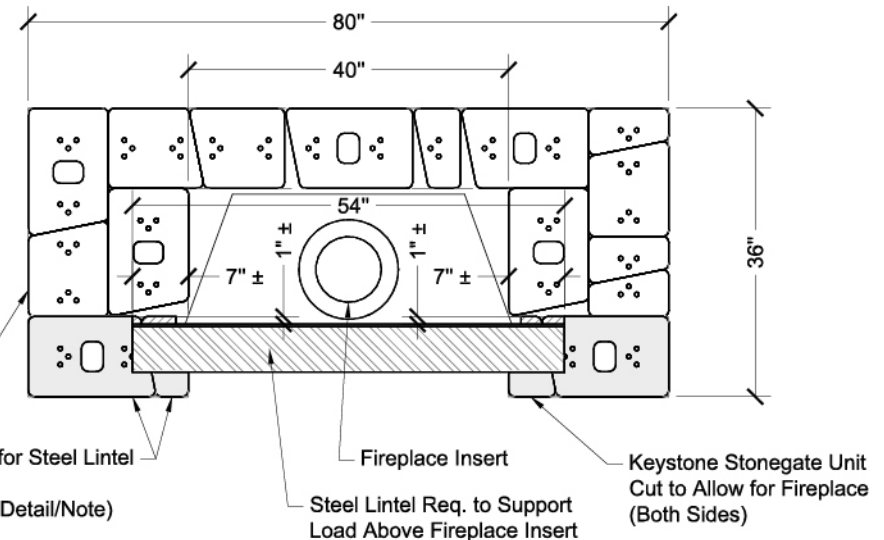


Block Steel Lintel Cutting Detail

9th Course Plan

Keystone Stonegate Units (Typ.)

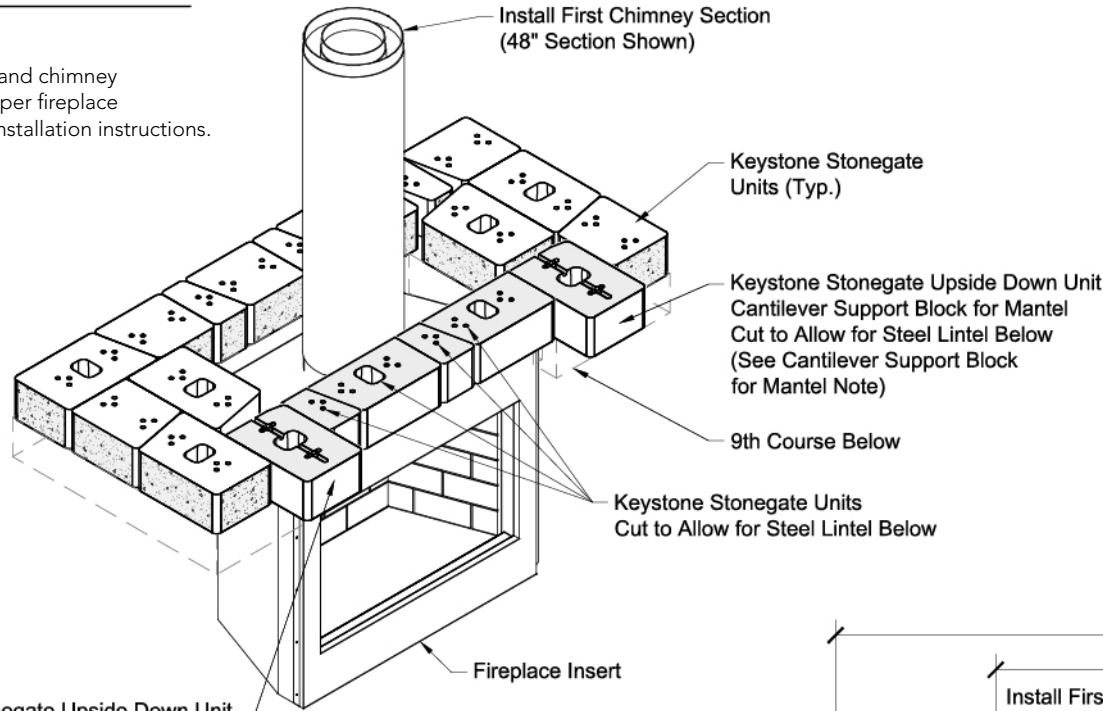
Keystone Stonegate Cut Units for Steel Lintel (Both Sides of Lintel) (See Block Steel Lintel Cutting Detail/Note)



10th Course Isometric

Fireplace Note:

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



Keystone Stonegate Upside Down Unit
Cantilever Support Block for Mantel
Cut to Allow for Steel Lintel Below
(See Cantilever Support Block
for Mantel Note)

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.

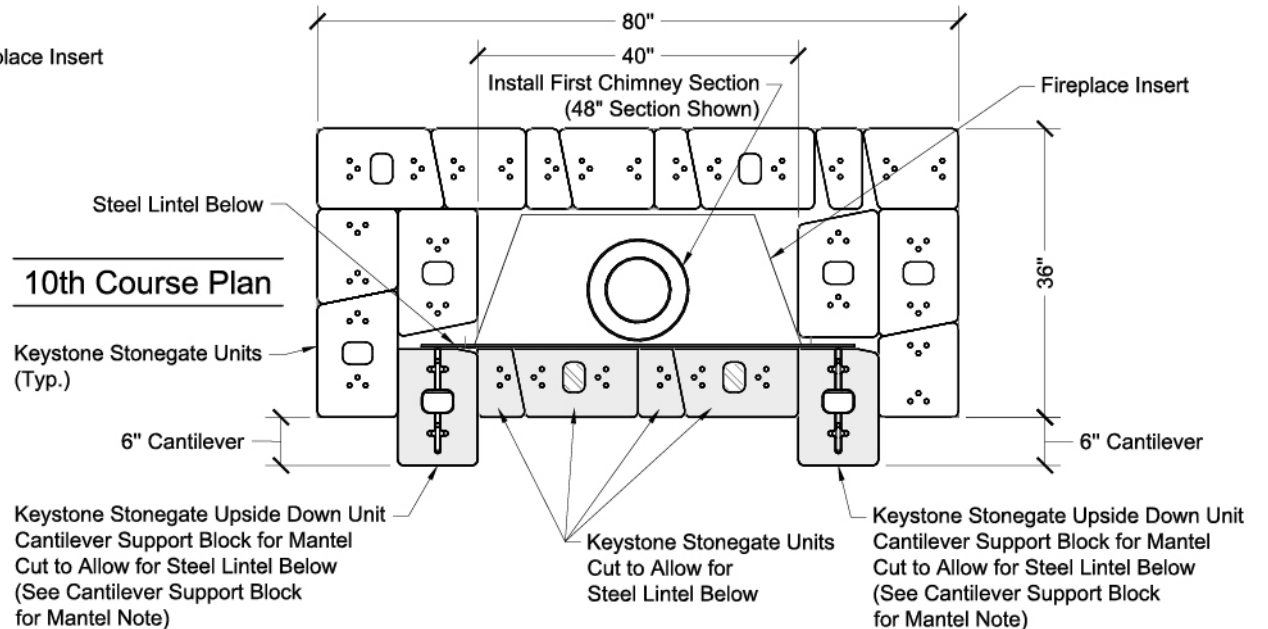
Temporary Block Support Note:

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 block 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

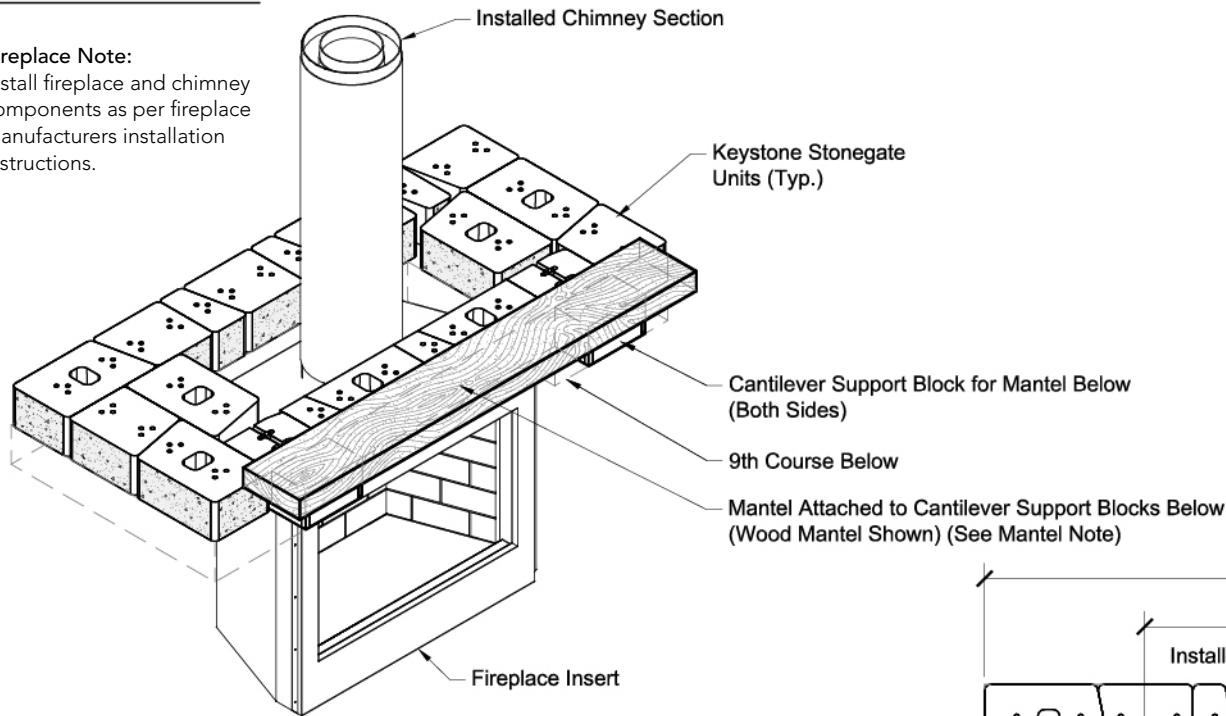


COURSE BY COURSE INSTRUCTIONS

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.

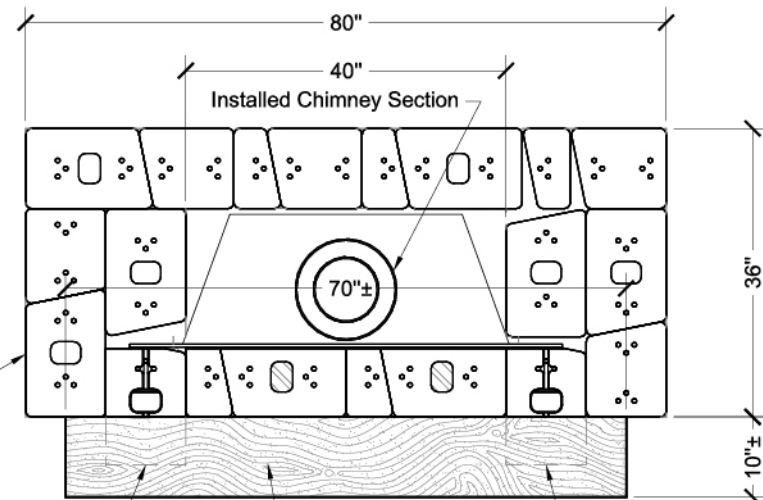
For Wood Mantel:

Once fireplace and chimney build out is completed, attach the mantel to the cantilever blocks using minimum 3/8" steel lag bolts w/washers to fasten to mantel above.

10th Course Mantel Plan

Keystone Stonegate Units (Typ.)

Cantilever Support Block for Mantel Below

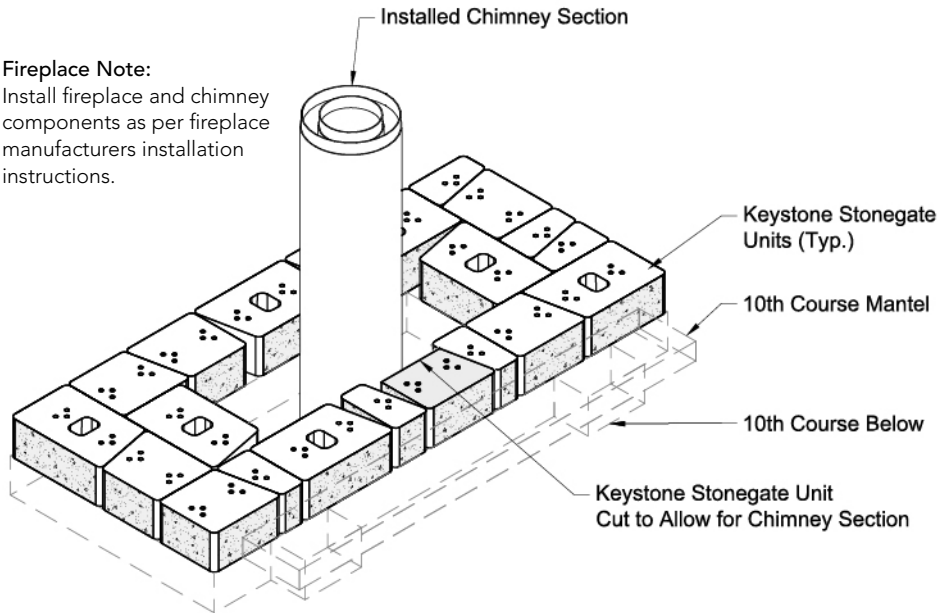


Mantel Attached to Cantilever Support Blocks Below (Wood Mantel Shown) (See Mantel Note)

11th Course Isometric

Fireplace Note:

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

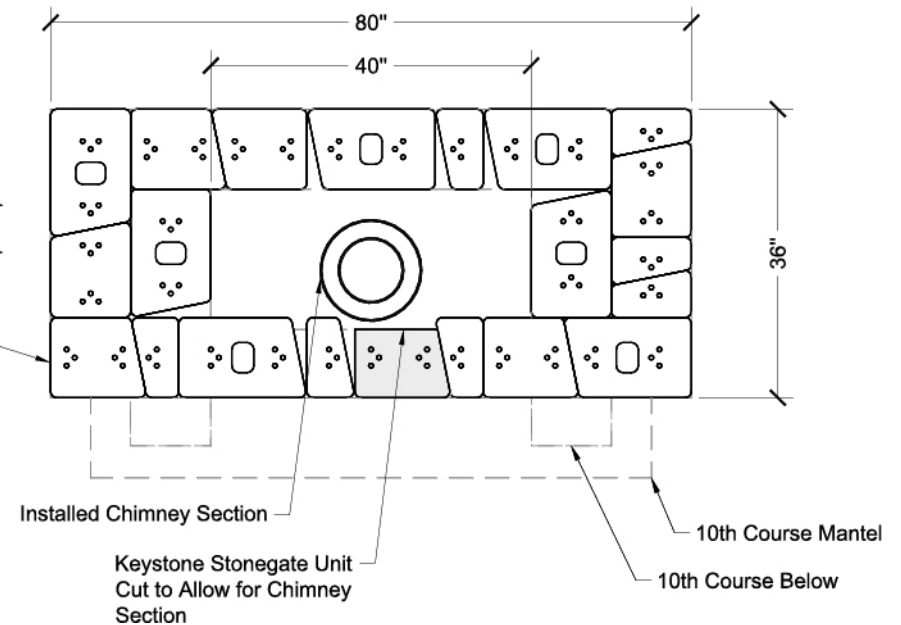


Block Cutting Note:

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.

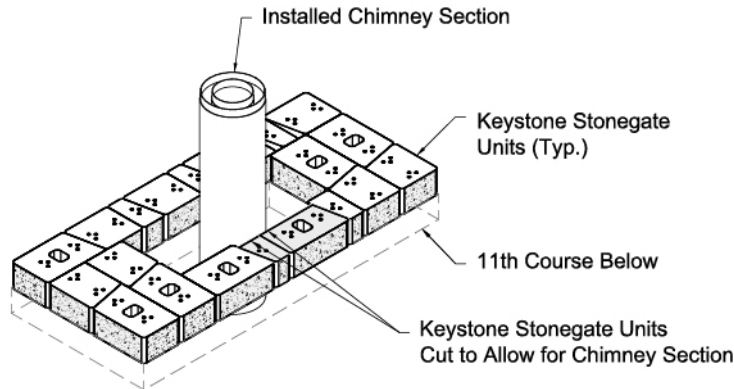
11th Course Plan

Keystone Stonegate Units (Typ.)



COURSE BY COURSE INSTRUCTIONS

12th Course Isometric

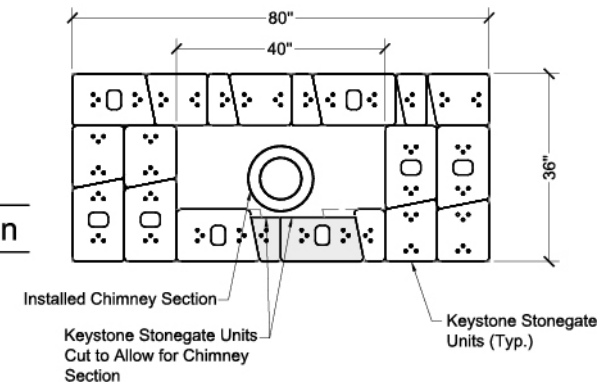


Fireplace Note:
Install fireplace and chimney components as per fireplace manufacturers installation instructions.

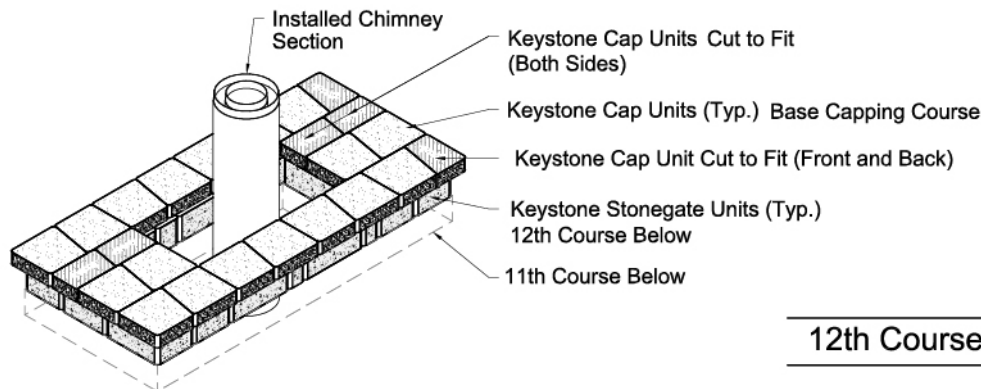
Block Cutting Note:

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



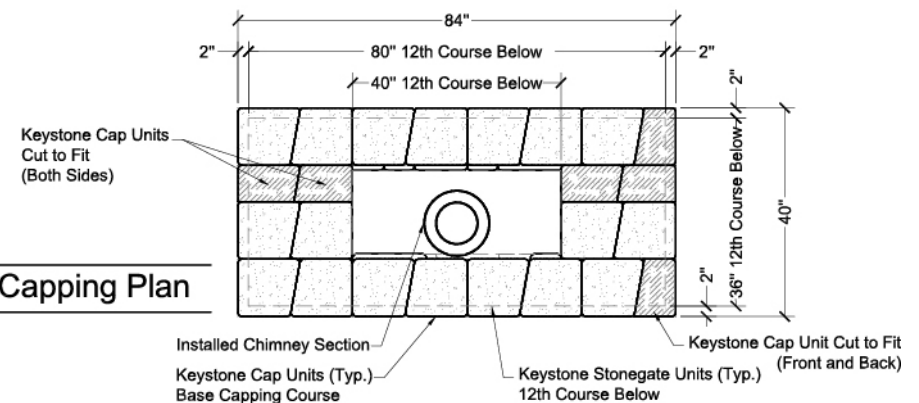
12th Course Capping Isometric



Cap Cutting Note:

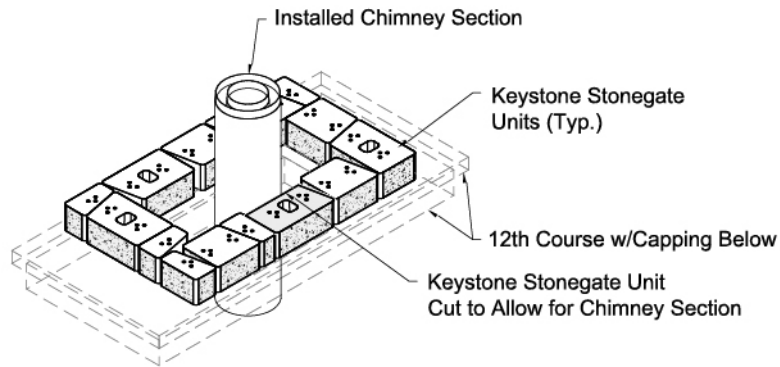
Using a concrete saw or wheel grinder tool w/masonry disk, cut block units as needed. Cap units to be cut due to obstruction are labeled with solid hatching. Cap units to be cut to fit are labeled with angular hatching.

12th Course Capping Plan



COURSE BY COURSE INSTRUCTIONS

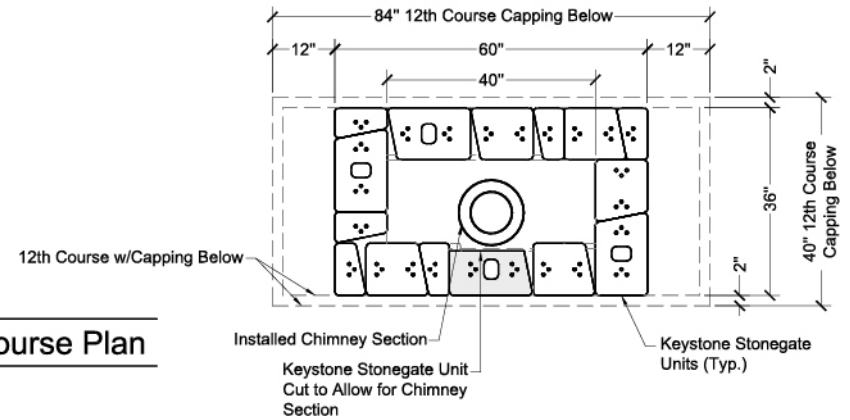
13th Course Isometric



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

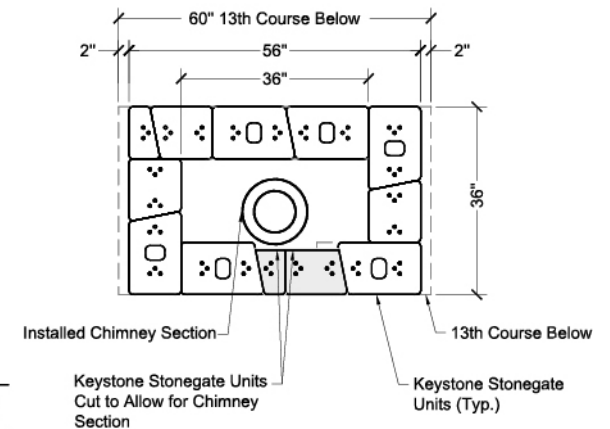
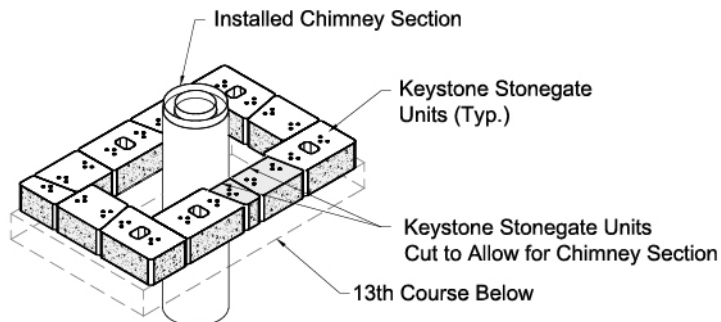
Block Cutting Note:

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

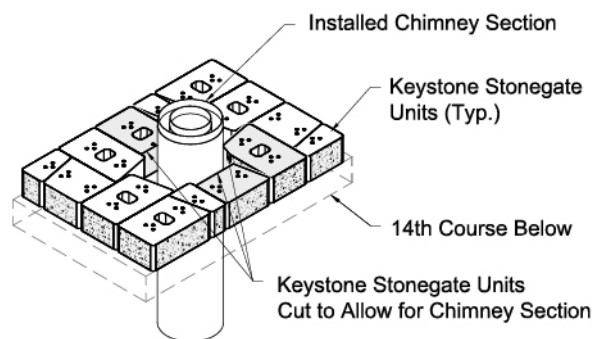
14th Course Isometric



14th Course Plan

COURSE BY COURSE INSTRUCTIONS

15th Course Isometric

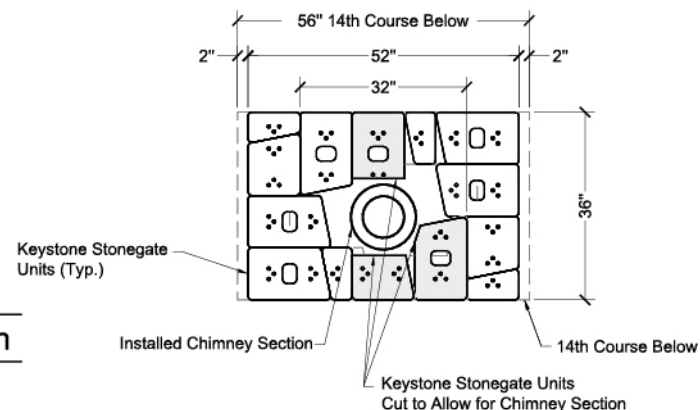


Fireplace Note:
Install fireplace and chimney components as per fireplace manufacturers installation instructions.

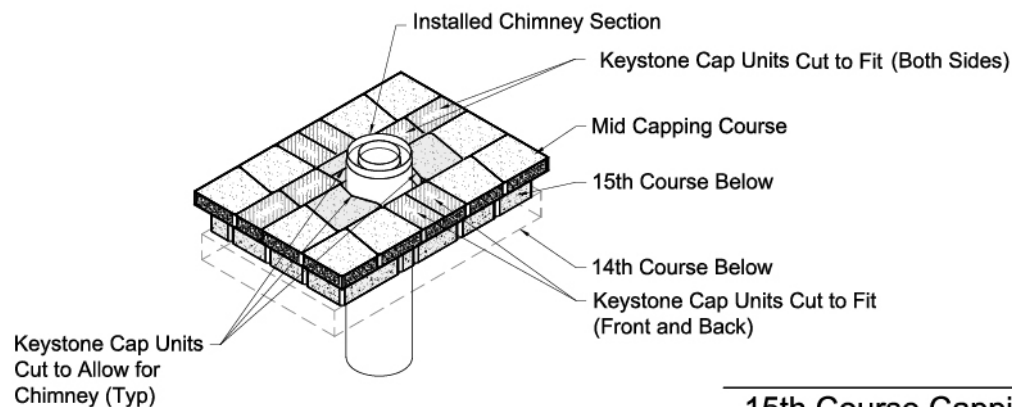
Block Cutting Note:

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



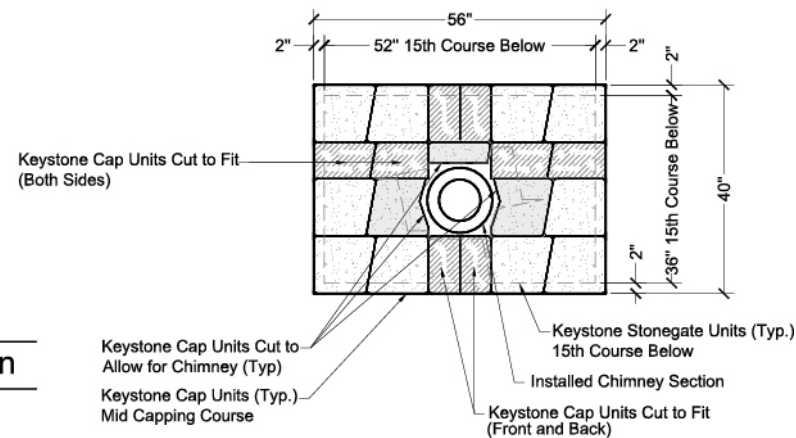
15th Course Capping Isometric



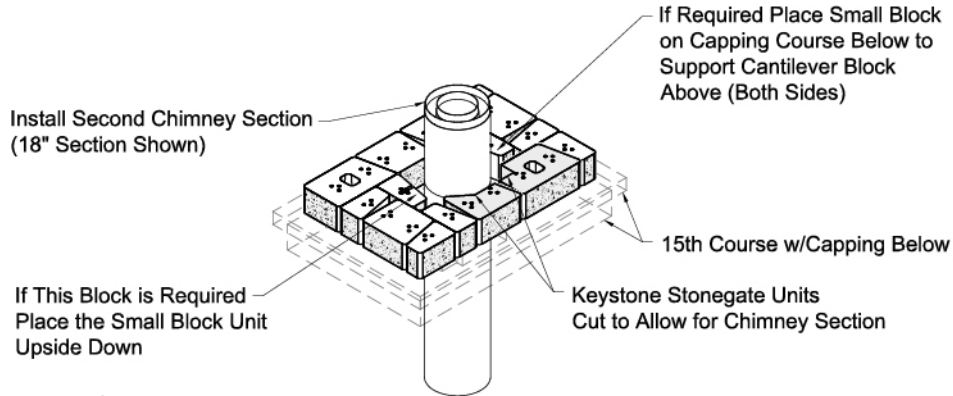
Cap Cutting Note:

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



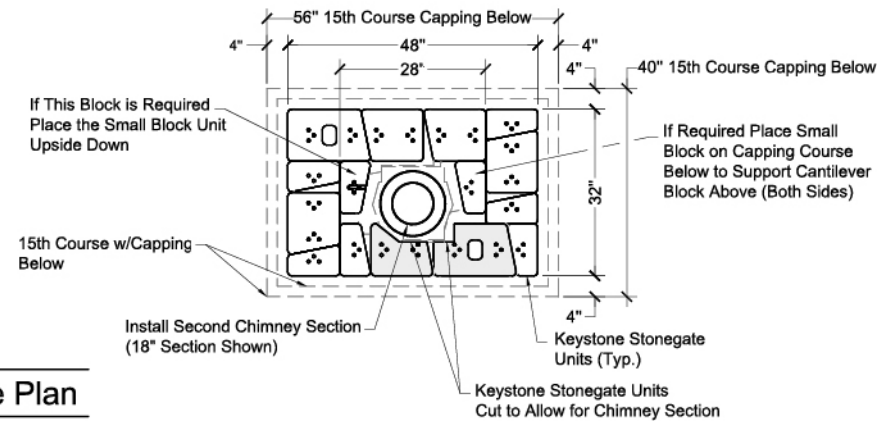
16th Course Isometric



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

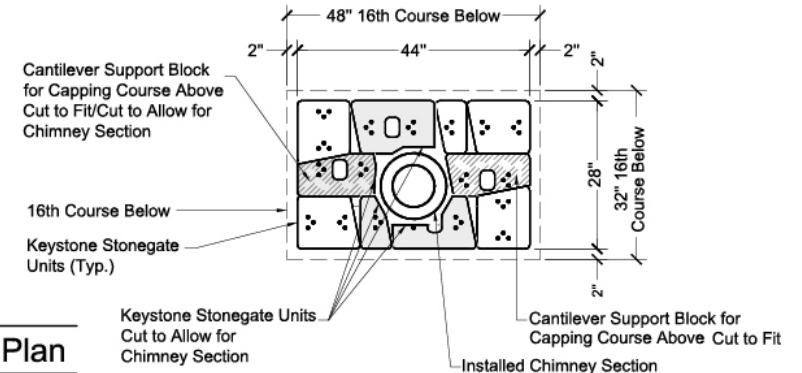
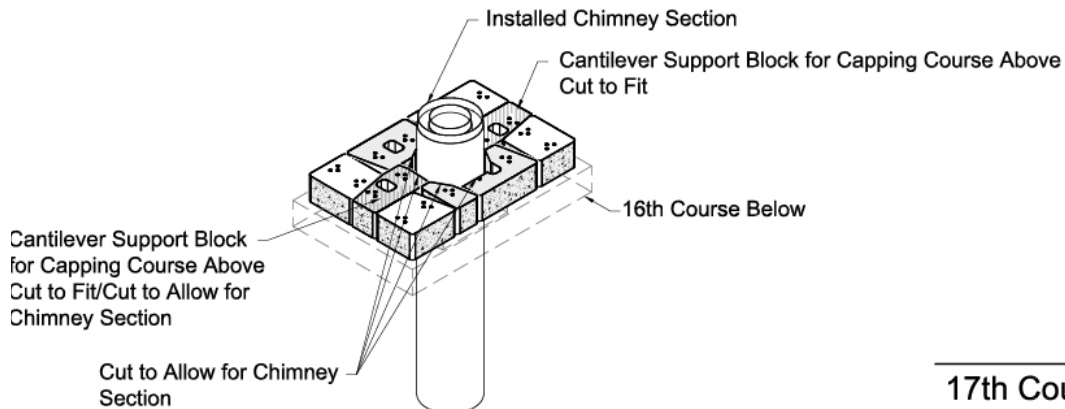
Block Cutting Note:

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

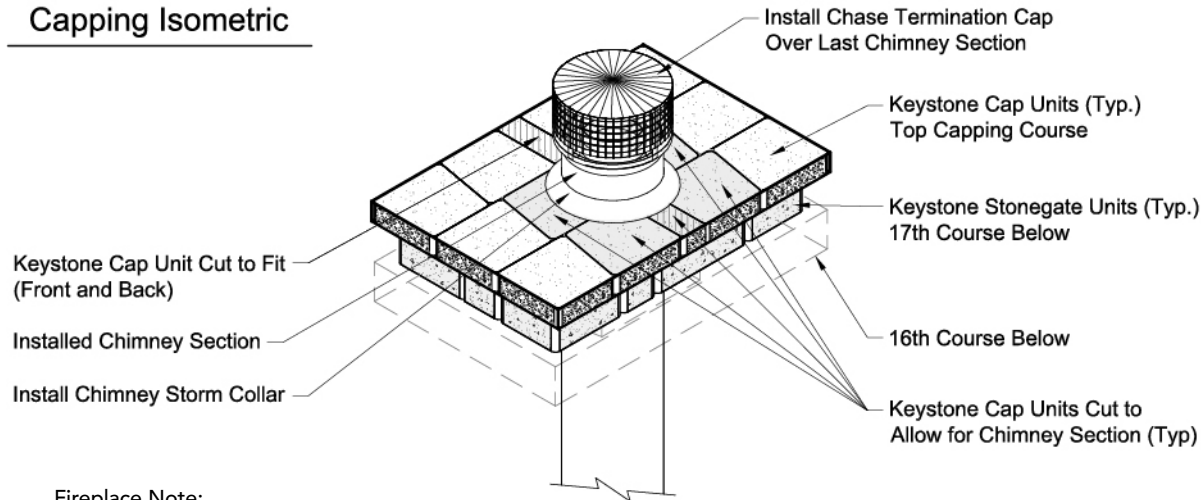
17th Course Isometric



17th Course Plan

COURSE BY COURSE INSTRUCTIONS

17th Course Capping Isometric



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

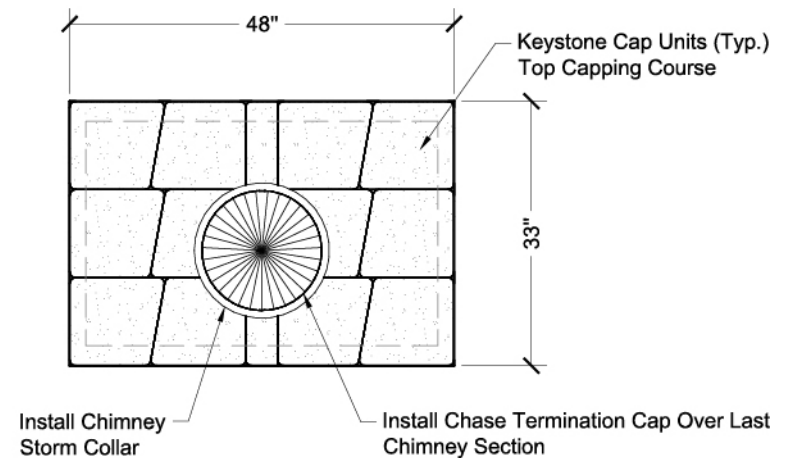
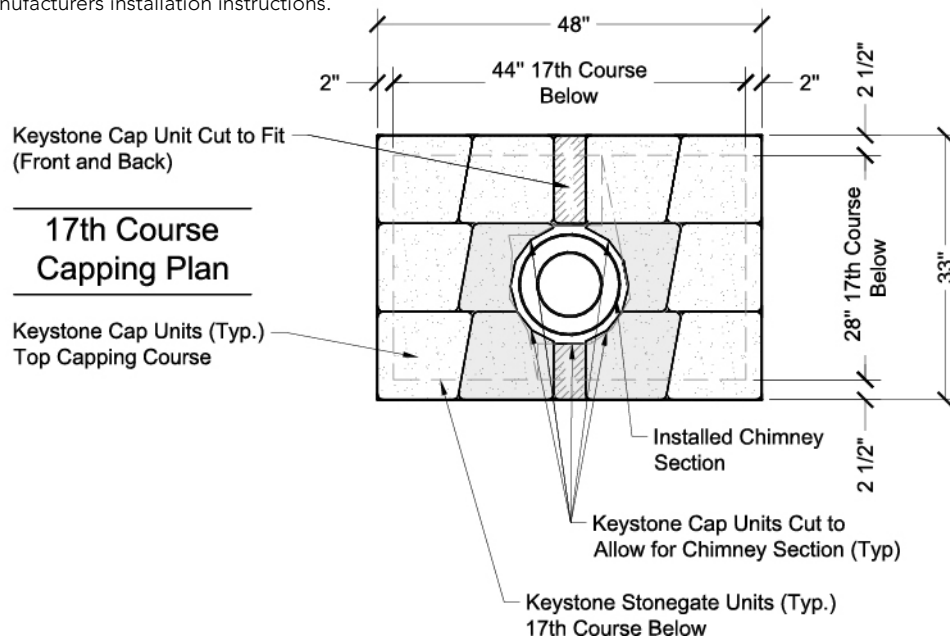
Cap Cutting Note:

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