

How-To Assemble Your

# SERENITY 100

Outdoor Fireplace

PART NO. FPL-100

DIFFICULTY INTERMEDIATE

APPROX. DIM. 4'W x 3'4" D x 7'H

APPROX. WEIGHT 5,620 lbs.



### GENERAL SHALE OUTDOOR LIVING PRODUCT WARRANTY

All General Shale Outdoor Living products are warranted to be made from high quality materials that meet or exceed ASTM material standards. Outdoor Living products are intended for recreational or residential use and are not warranted for any other purpose. The life of the product depends on correctness of installation and extent of usage. All metal components are subject to normal rust and corrosion.

**ANY IMPLIED WARRANTIES ARE HEREBY DISCLAIMED AND ARE EXPRESSLY EXCLUDED.**

Materials included with your outdoor kit.

- (108) Block “A” (4" x 8" x 16" ; includes 2 extra)
- (18) Non-Weathered Block “I” (4" x 8" x 16")
- (16) Block “B” (4" x 8" x 12")
- (8) Block “D” (4" x 8" x 4")
- (2) Block “C” (4" x 8" x 8")
- (2) Block “F” (4" x 4" x 12")
- (14) Bullnose Block “C1” (4" x 8" x 8")
- (4) Bullnose Corner Block “C2” (4" x 8" x 8")
- (2) Bullnose Block “G1” (4" x 8" x 4")
- (4) Bullnose Corner Block “G2” (4" x 8" x 4")
- (4) Bullnose Corner Block “C4” (4" x 6" x 6")
- (8) Bullnose Block “C3” (4" x 5 3/4" x 6")
- (4) Bullnose Block “C5” (4" x 4" x 8")
- (2) Bullnose Block “H1” (4" x 4" x 4")
- (24) Firebrick (4" x 9" x 2 1/4"; includes 6 pre-cut)
- (6) Block (1 5/8" x 8" x 16")
- (1) Cast Lintel (4" x 7 1/4" x 31 1/4")\*\*
- (2) Block Lintel (4" x 8" x 34 3/4") – Length may vary
- (2) Block Lintel (4" x 8" x 19")
- (2) Thin Set Mix Bag

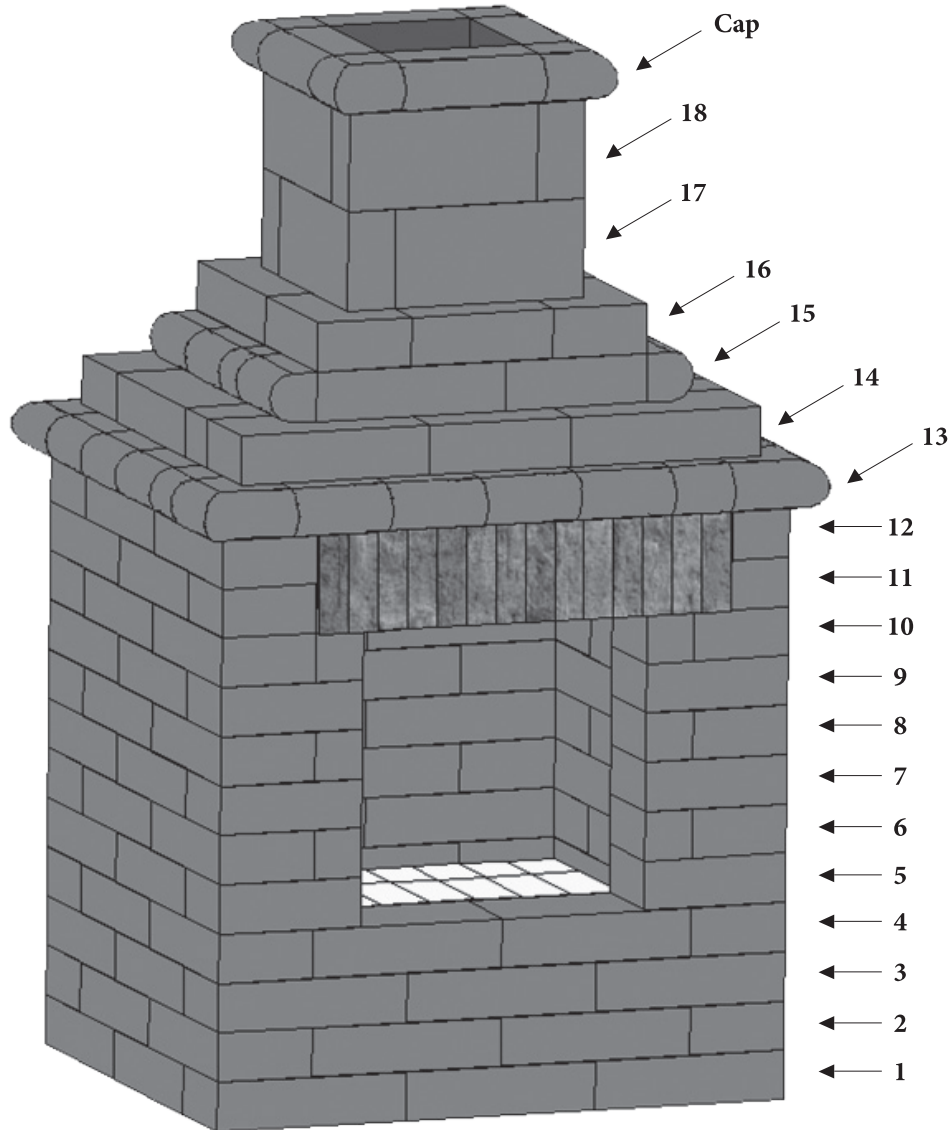
Additional materials required to install your kit.

- Concrete or Gravel (for setting base)
- Caulking Gun
- Level
- Tape Measure
- Small Trowel
- 5 gal. Mixing Bucket
- Rubber Mallet

**NOTES:**

- **Actual components may vary slightly. Some cutting may be required.**
- **For pre 2013 kits shipped with block lintel, see note on page 6.**
- **The unit shown in these instructions has been fire tested. Changes to the unit such as firebox size may affect unit performance.**
- **This unit is designed for outdoor use only. This unit is not designed to be used on wood decks or under roof enclosures. Locate unit reasonable distance from any combustible materials. Comply with local building code(s) and burning permits as applicable. Retain these instructions with unit.**

Course Numbers  
(Referred to in following instructions)



\*Fireplace shown with optional thin brick installed.

Firebox Dimensions

These dimensions are provided for customer information.

**Firebox Opening (Front): 23 3/8" W x 22" H (±1/4")**

**Inside\* (Side to Side): 31 1/4" W x 30 7/8" H (±1/4")**

**Inside\* (Front to Back): 23 3/4" D x 30 7/8" H (±1/4")**

**Chimney Opening (Top): 10" x 10" (±1/4")**

\*Inside height is from top of fire brick to top of course 12.

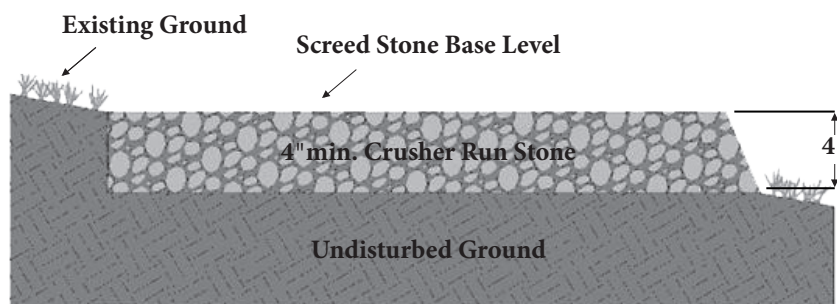
**Step 1**

Create a level base using Crusher Run Stone to accommodate the overall footprint of the garden column.

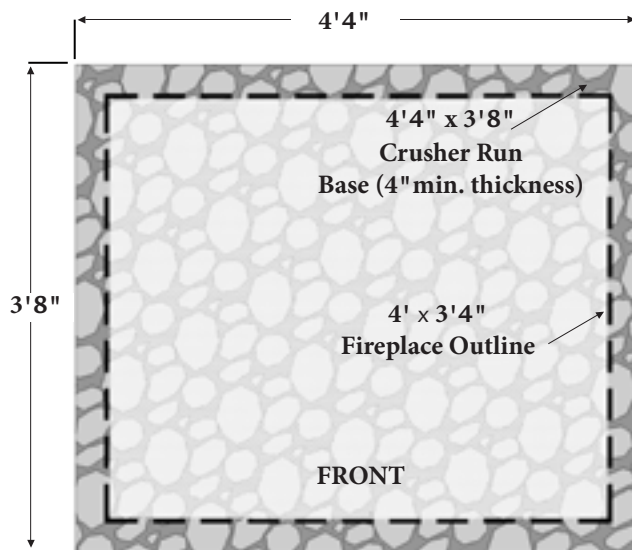
- Prepare an area 4'4" wide x 3'8" deep.
- Remove sod and vegetation.
- Excavate/remove soft soil as required to provide level stone surface at a minimum of 4" deep.
- If required, use landscape blocks to retain stone base.
- If installing optional hearth/knee wall, extend base as required.

**TIP** *If soil under sod is hard, soil can be leveled out and used as a base material.*

Reference diagrams for creating a level base.



(Base Section View)



(Base Plan View)

**NOTE:** All outdoor living kits can be installed directly on a properly prepared stone base. However, for best performance and appearance, a concrete pad is recommended.

**Step  
2**

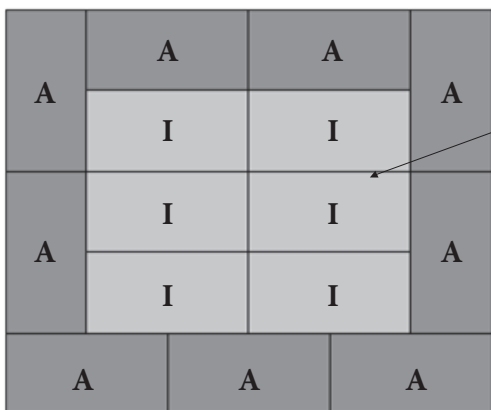
**Build the fireplace (courses 1 through 4).**

- Assemble the fireplace on a level setting base.



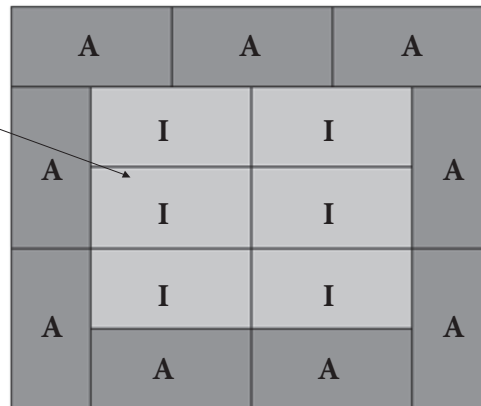
*Dry stack courses 1 through 4 and check fit for fire brick before applying thin set. Adjust gap / position of "A" and "I" blocks to accommodate fire brick.*

- Use supplied thin set between all courses and all blocks.
- Adjust position of units and/or shim units as required to maintain uniform level and square courses. (NOTE: Pre-packaged shims, pieces of roof shingles or metal washers can be used as shims.)



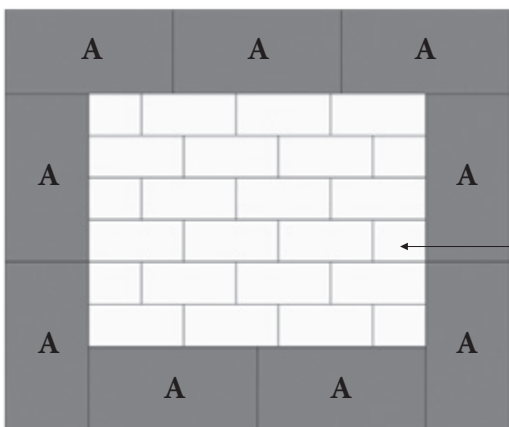
**Courses 1 and 3**

- (9)\* Block “A” (4" x 8" x 16")
- (6) Block “I” (4" x 8" x 16")



**Course 2**

- (9) Block “A” (4" x 8" x 16")
- (6) Block “I” (4" x 8" x 16")



**Course 4**

- (9) Weathered Block “A” (4" x 8" x 16")
- (24) Firebrick (4" x 9" x 2 1/4")
- (6) Block (1 5/8" x 8" x 16")

Some firebrick are cut to fit properly (precut at factory). **NOTE: Firebrick will not sit flush with surrounding block. Use the 1 5/8" block under the fire brick to sit them flush with the surrounding block.**

\*Quantities per Course.

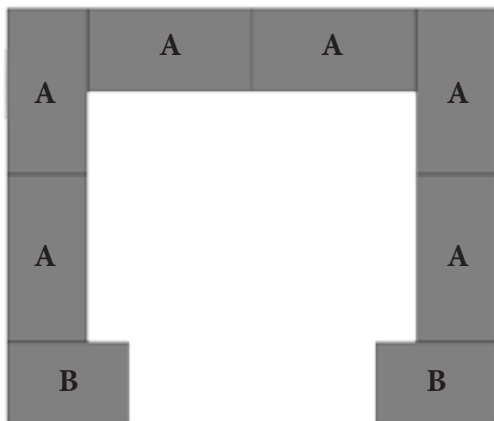
**Step  
3**

**Build the fireplace (courses 5 through 12).**

- Use supplied thin set between all courses and all blocks.



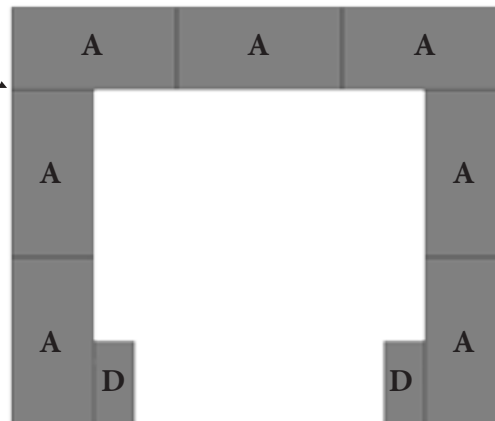
*Apply thin set to head joints (vertical joints) on courses 5 through 11 (fire box area).*



**Courses 5, 7 and 9**

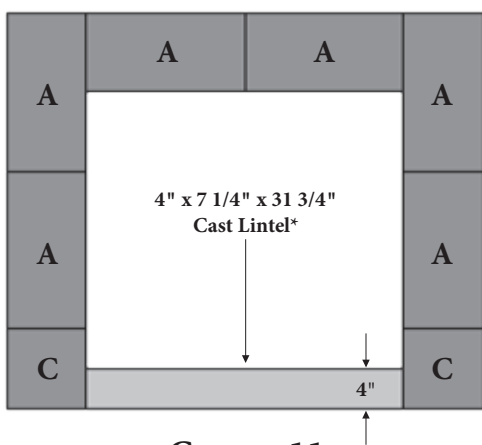
- (6)\* Weathered Block “A” (4" x 8" x 16")
- (2) Weathered Block “B” (4" x 8" x 12")

Head joint  
(typical)



**Courses 6, 8 and 10**

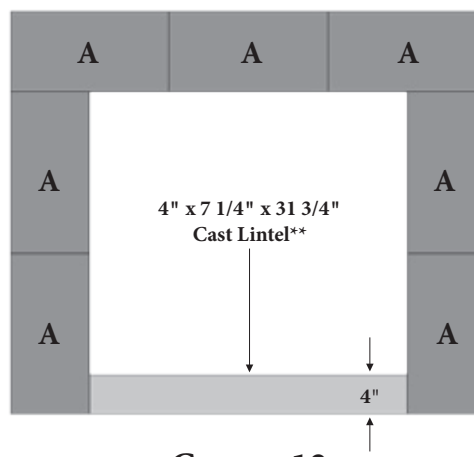
- (7) Weathered Block “A” (4" x 8" x 16")
- (2) Weathered Block “D” (4" x 4" x 8")



**Course 11**

- (6) Weathered Block “A” (4" x 8" x 16")
- (2) Weathered Block “C” (4" x 8" x 8")

\*Note: The 4" x 7 1/4" x 31 1/4" cast lintel in courses 11 and 12 is shared between the two courses. This lintel can be installed with the finished side out, or reversed if customer chooses to install thin brick.



**Course 12**

- (7) Weathered Block “A” (4" x 8" x 16")

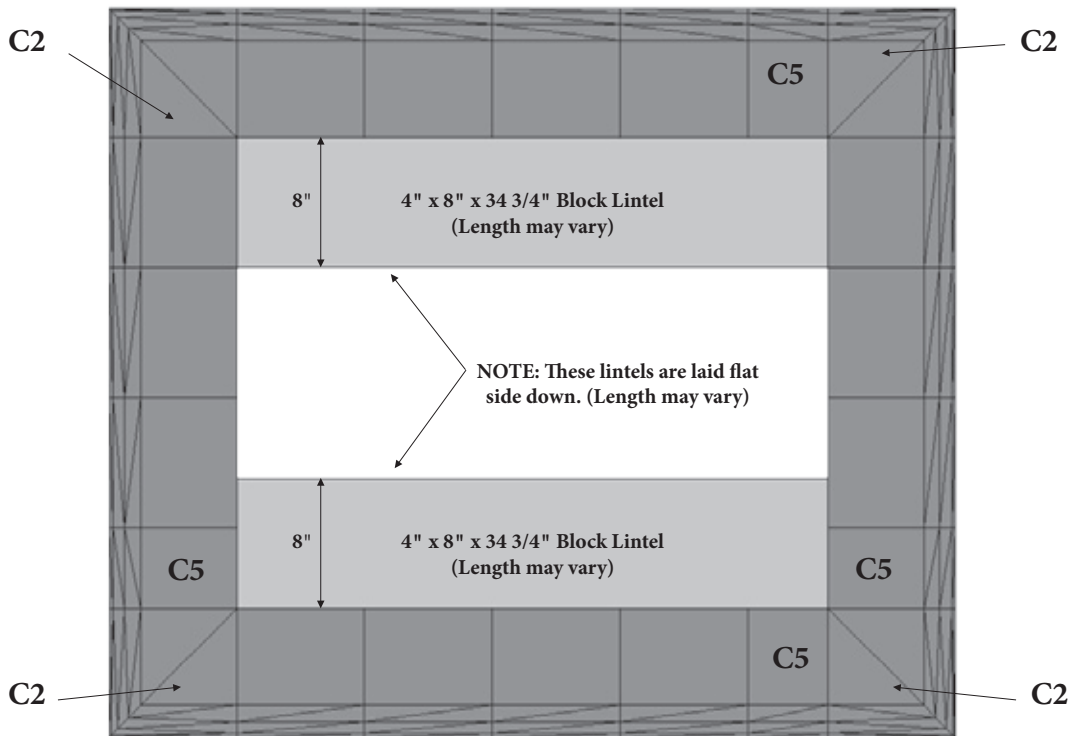
Note: If you have a pre-2013 kit supplied with one (1) block lintel, install two (2) 4" x 8" x 31 3/4" block lintels one each in course 11 and 12 (extra block lintel will be supplied at no cost).

**Step  
4**

**Build the fireplace (course 13).**

- Use supplied thin set between all courses and all blocks.

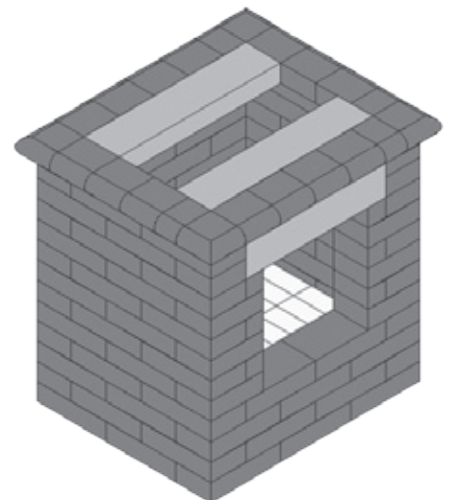
**TIP** *Dry stack bullnose units and check fit before applying thin set.*



**Course 13 (All courses are C1 unless otherwise noted)**

- (14) Weathered Bullnose Block “C1” (4" x 8" x 8")
- (4) Weathered Bullnose Block “C5” (4" x 4" x 8")
- (4) Weathered Bullnose Block “C2” (4" x 8" x 8")
- (2) Block Lintels\* (4" x 8" x 34 3/4")  
(Block lintels represented in lighter gray above.)

**All bullnose block in course 13 will overhang course 12 by 2 1/2" on all sides.**



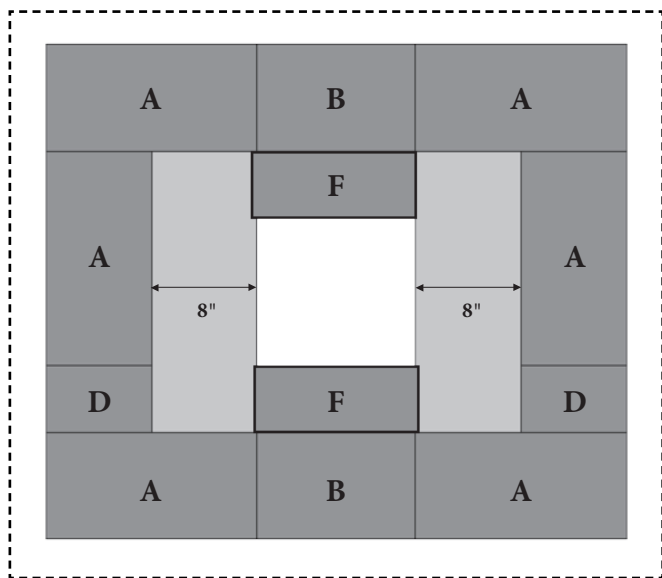
**Step  
5**

**Build the fireplace (courses 14 through 16).**

- Use supplied thin set between all courses and all blocks.



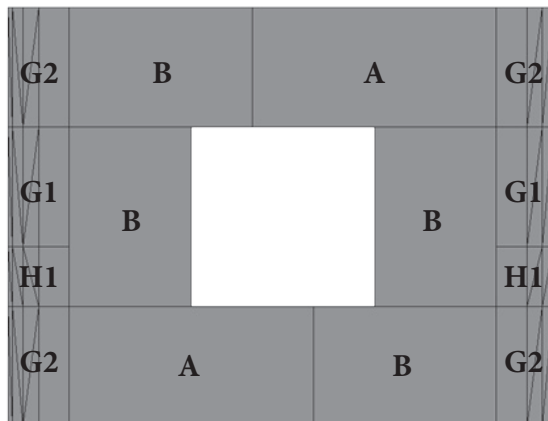
*Dry stack course 14 to ensure fit and position before applying thin set.*



**Course 14**

(Course 13 below)

- (6) Weathered Block “A” (4" x 8" x 16")
  - (2) Weathered Block “B” (4" x 8" x 12")
  - (2) Weathered Block “D” (4" x 8" x 4")
  - (2) Block “F” (4" x 4" x 12")
  - (2) Block Lintels\* (4" x 8" x 19")
- \* (Block lintels shown in lighter gray above.)



**Course 15**

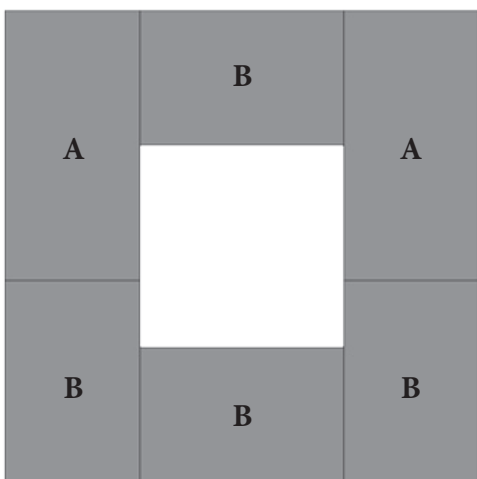
- (2) Weathered Block “A” (4" x 8" x 16")
  - (4) Weathered Block “B” (4" x 8" x 12")
  - (2) Weathered Bullnose Block “G1” (4" x 8" x 4")
  - (4) Bullnose Corner Block “G2”\* (4" x 8" x 4")
  - (2) \*Weathered Bullnose Block “H1”\* (4" x 4" x 8")
- \* (Cut to 4" x 4" x 4")

**NOTE: The bullnose block are to be used on the sides of course 15.)**

**Course 16**

- (2) Weathered Block “A” (4" x 8" x 16")
- (4) Weathered Block “B” (4" x 8" x 12")

**NOTE: Center all courses on the previous course to build chimney properly.**

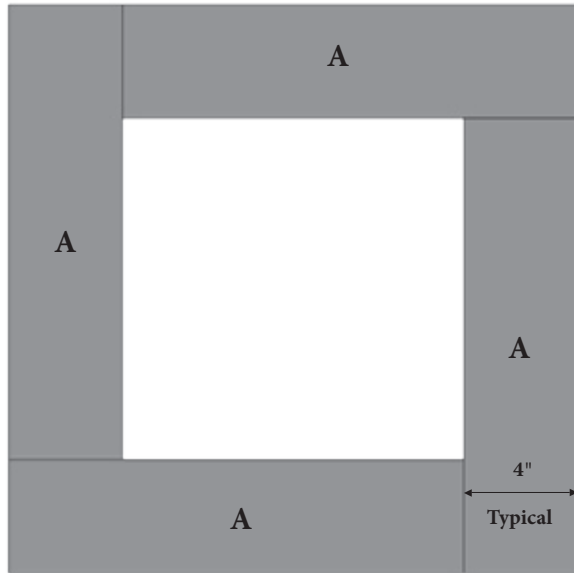




**Step  
6**

**Build the fireplace (courses 17 through 19).**

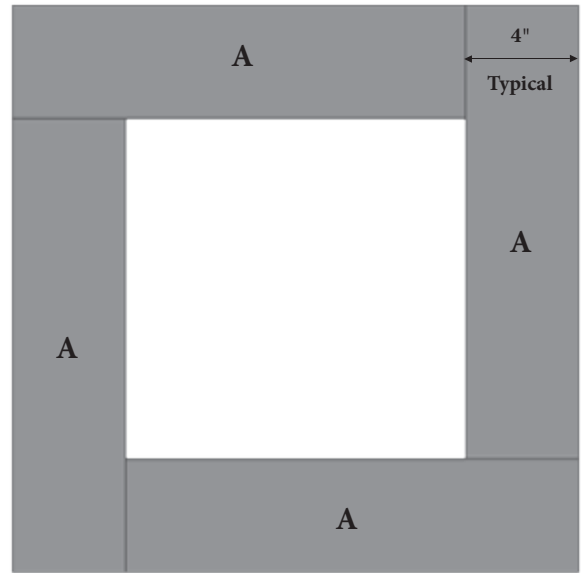
- Use supplied thin set between all courses and all blocks.



**Course 17**

(4) Weathered Block "A" (4" x 8" x 16")

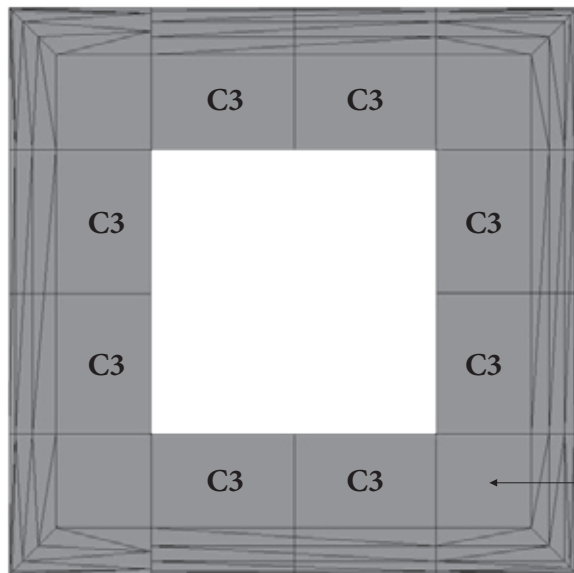
**NOTE: Lay block with 8" dimensions as height.**



**Course 18**

(4) Weathered Block "A" (4" x 8" x 16")

**NOTE: Lay block with 8" dimensions as height.**



**Course 19 - Chimney Cap**

- (8) Weathered Bullnose Block "C3" (4" x 5 3/4" x 6")
- (4) Weathered Bullnose Corner Block "C4" (4" x 6" x 6")

**C4**  
Typical at corners.

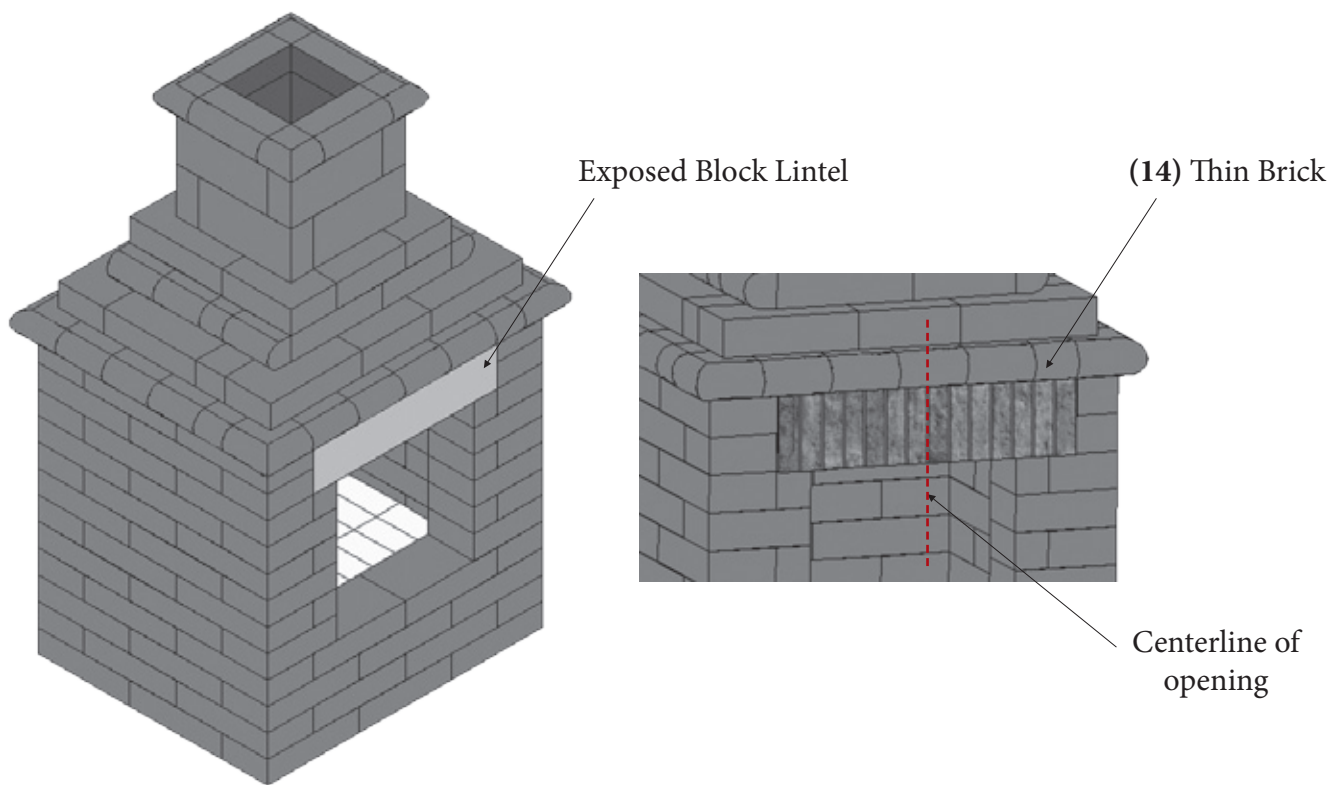
**Step  
7**

**Cover Firebox Opening Lintel (Optional for customers choosing thin brick option).**

- Use supplied thin set mortar to apply thin brick over exposed block lintel.



*Start at centerline of opening and set brick to the left and right. Thin brick can also be installed with a mortar joint. To do so, use a masonry mortar and apply with a grout bag (mortar and grout bag not supplied in kit).*



**Step  
8**

**Tempering Recommendations:**

- Wait 24 hours before building a fire in your fireplace kit.
- Build a few modest fires in the fireplace initially before building a fire at normal temperatures.
- During first few fires, some minor smoking may occur as the block and mortar dry out from the heat; this is normal.