

Bedford Fireplace Jr. Kit

Add warmth and comfort to your outdoor living with our **NEW** Bedford Fireplace Jr.

Step 1: Layout

This project demonstrates how to build on a new hard, level surface. If building on an existing hard surface, skip ahead to Step 3. First, mark out the location of the fireplace by drawing a guideline of 4'6" wide by 4'6" deep where the fireplace will be constructed.

Step 2: Build Foundation & Fill

Begin digging a hole that is 4'6" wide by 4'6" long and 10" deep. Compact your soil sub base and place 3" of crushed rock into your 10" deep hole and compact. Add an additional 3" of crushed rock and compact again. It is recommended that your base have 6" of compacted crushed rock. Form up a 4' x 4' square in the center of the crushed rock and pour 4" of 4000 p.s.i. A/E concrete mix. Make sure concrete footing is level. Use the heat resistant cement to adhere 4 Bedford cuts (F) to the 4" side of a full lintel. Work on a level surface to ensure that the bottom of the Bedford are flush with the bottom of the lintel. The Bedford cuts (F) adhered to each end should extend beyond the end of the lintel by approximately 3 5/8" (see course 11). Wait a minimum of 24 hours (depending on weather conditions) for concrete and lintel to cure before moving to Step 3.

Step 3: Build

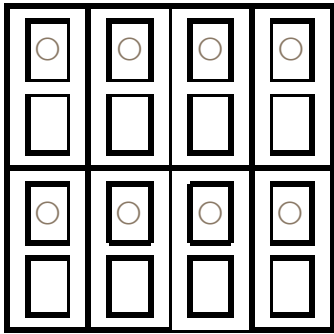
Install your base course of 8" x 8" x 16" hollow concrete masonry units and Bedford Standard units. Use a square tool to line up the units to ensure your project is 'square.' Building a full course at a time will ensure that the blocks line up properly. Due to the placement of the block, actual measurements may vary. Install product by course according to the course diagrams provided. Make sure to level the vertical Bedford Standard walls as you build. Reading Rock, Inc. recommends using masonry adhesive on every course of Bedford Standard units to add stability to your project.

Step 4: Continue Building

Use the heat resistant cement when installing the base and wall firebrick. Coat the lintel surfaces that are exposed to the fire box with the same cement. As you build courses 14-20, it may be helpful to allow your adhesive to dry before building the next course. Note: On course 11 use firebrick shims to keep Bedford Units level.



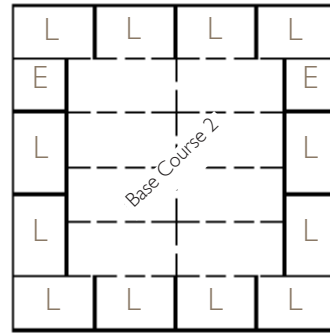
Finished Dimensions:
48" W x 48" D x 104" H (Nominal Size)



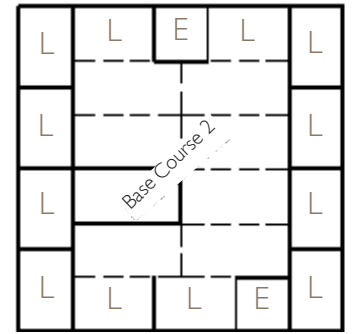
Base Course 1



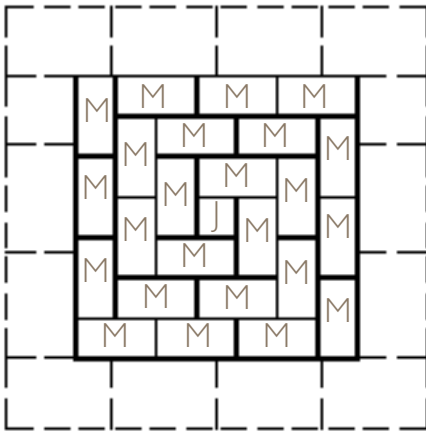
Base Course 2



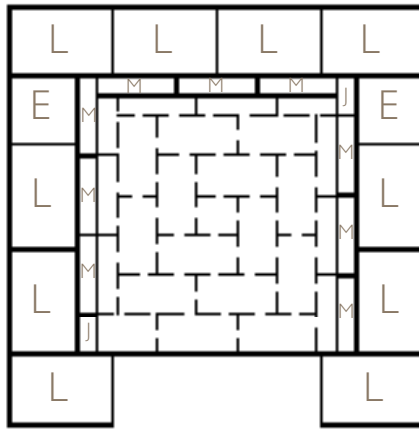
Bedford Course 1 & 3



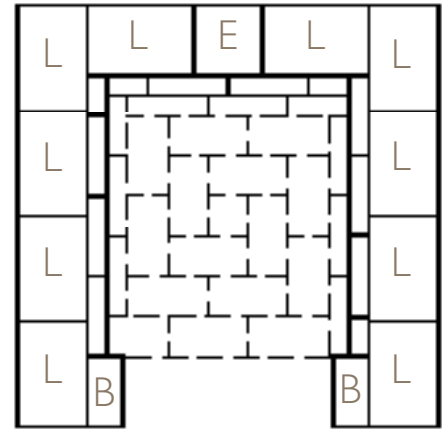
Bedford Course 2 & 4



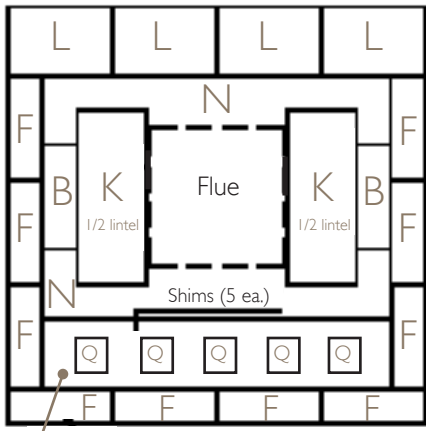
Base Course- Firebrick



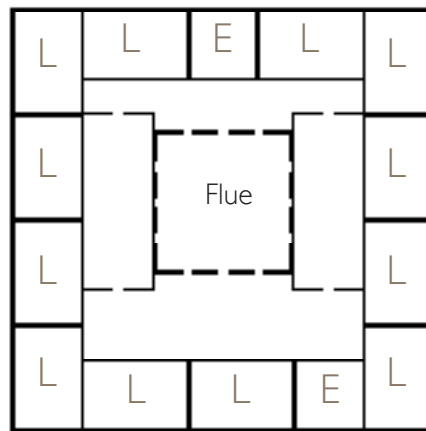
Bedford Course 5, 7 & 9
Firebrick Wall Course 1, 3 & 5



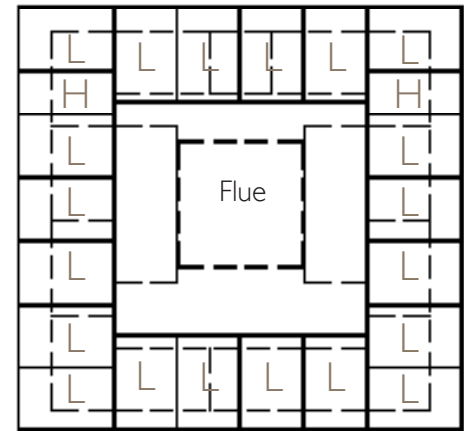
Bedford Course 6, 8 & 10
Firebrick Wall Course 2, 4 & 6



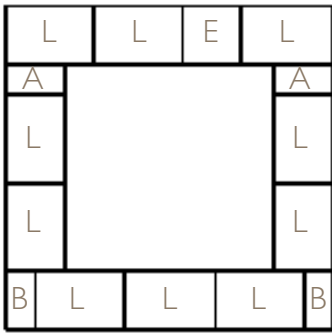
Bedford Course 11



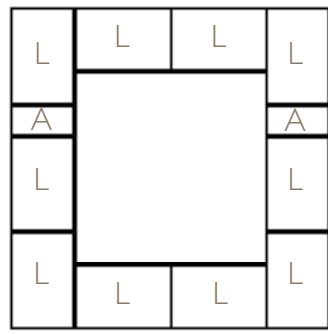
Bedford Course 12



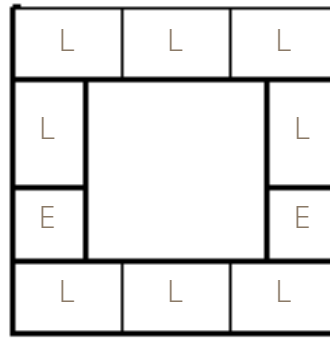
Bedford Course 13



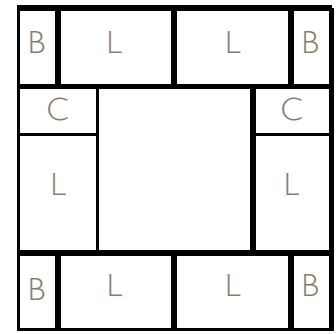
Bedford Course 14



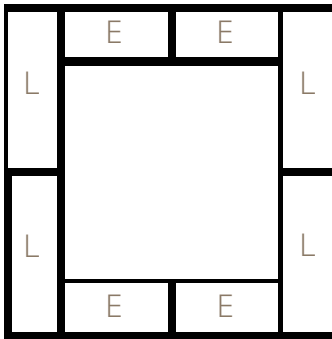
Bedford Course 15



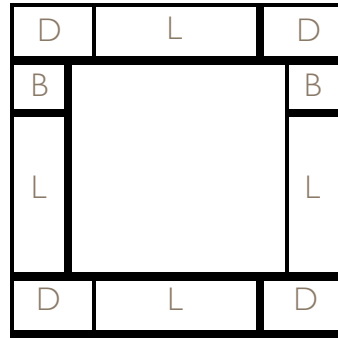
Bedford Course 16



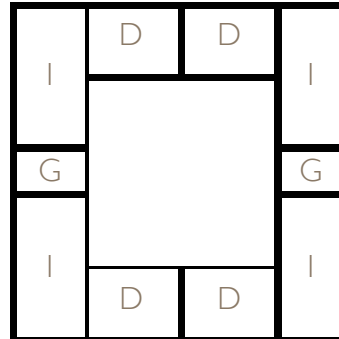
Bedford Course 17



Bedford Course 18



Bedford Course 19



Bedford Course 20 (cap)

Note: For additional support and project installation photos, please visit readingrock.com or contact Reading Rock customer service at 513.874.2345.

Legend:

- A Bedford Cut - 3" x 7 7/8"
- B Bedford Cut - 4" x 7 7/8"
- C Bedford Cut - 5" x 7 7/8"
- D Bedford Cut - 6" x 7 7/8"
- E Bedford Cut - 7 7/8" x 7 7/8"
- F Bedford Cut - 4" x 11 13/16"
- G Bedford Cut - 4" x 6"
- H Bedford Cut - 5 1/2" x 11 13/16"
- I Bedford Cut - 6" x 11 13/16"
- J Firebrick - 4 1/2" x 4 1/2"
- K Lintel Cut - 4" x 8" x 20"
- L Full Bedford Standards - 3 15/16" x 7 7/8" x 11 13/16"
- M Full Firebrick - 4 1/2" x 9"
- N Full Lintels - 4" x 8" x 40"
- O Hollow Core Block - 8"W x 8"D x 16"L
- P Solid Block - 4"W x 8"D x 16"L
- Q Firebrick Shims (need to be cut)

Materials included in kit:

- 236 Bedford Standard units*
- 85 Firebrick
- 2 Clay Flues 16" x 16" x 24"
- 8 8" Hollow Concrete Block
- 8 4" Solid Concrete Block
- 6 Concrete Adhesive (10.5 oz. tube)
- 4 Concrete Lintel
- 1 Chimney Cap
- 1 128 oz. Heat Resistant Cement

Materials not included:

- 1/2 Ton Crushed Limestone
- Lumber to form concrete pad
- 1 4" of 4000 p.s.i. A/E Mix (1/2 cubic yard)

Tools needed:

- Square
- Measuring Tape
- String Line
- Level
- Hammer and Chisel
- Safety Glasses and Work Gloves
- Hand Tamper
- Dead Blow Hammer
- Cement Trowel
- Caulk Gun

* 6 additional Bedford Standard units included in case of accidental breakage or damage during installation.