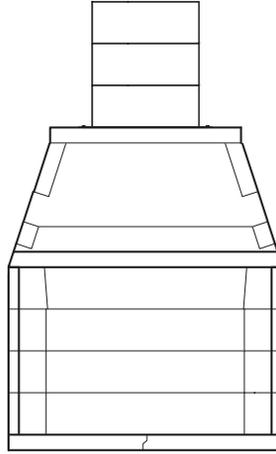




WWW.BURNTECH.COM



## SUPPLEMENTAL OUTDOOR FIREPLACE INSTALLATION GUIDE

### Outdoor Fireplace Series Models OFS 33/39/44/49/63

THIS SUPPLEMENTAL GUIDE IS TO BE USED FOR OUTDOOR INSTALLATIONS ONLY AND MUST BE USED IN CONJUNCTION WITH YOUR MODULAR MASONRY FIREPLACE INSTALLATION MANUAL. YOU SHOULD HAVE RECEIVED A MANUAL WITH THE PURCHASE OF YOUR Burntech® FIREPLACE.

LOOK FOR THIS SYMBOL **OFS** IN YOUR MODULAR MASONRY FIREPLACE INSTALLATION MANUAL AS IT WILL INCLUDE SPECIFIC INSTALLATION INFORMATION FOR YOUR OUTDOOR FIREPLACE. READ BOTH THE MODULAR MASONRY FIREPLACE INSTALLATION MANUAL AND THIS SUPPLEMENTAL OUTDOOR FIREPLACE INSTALLATION GUIDE IN THEIR ENTIRETY FOR COMPLETE INSTALLATION INSTRUCTIONS AND IMPORTANT WARNING NOTICES AS THEY APPLY TO BOTH THE TFS AND OFS FIREPLACE SERIES.

FAILURE TO FOLLOW INSTALLATION INSTRUCTIONS WILL VOID WARRANTIES HEREBY EXPLICIT OR IMPLIED AND COULD LEAD TO IMMEDIATE HAZARD, PROPERTY DAMAGE OR LOSS OF LIFE.

IF YOUR OUTDOOR FIREPLACE IS CONTAINED WITHIN A FRAMED STRUCTURE, USE ONLY UL 103 "CLASS A" METAL CHIMNEY. STRICTLY ADHERE TO THE CHIMNEY INSTALLATION AND FRAMING INSTRUCTIONS INCLUDING CLEARANCES AS OUTLINED IN YOUR MODULAR MASONRY FIREPLACE INSTALLATION MANUAL.

IF YOU DID NOT RECEIVE A COPY OF THE MODULAR MASONRY FIREPLACE INSTALLATION MANUAL, ONE CAN BE DOWNLOADED OR SENT TO YOU FREE OF CHARGE. PLEASE VISIT OUR WEBSITE [WWW.BURNTECH.COM](http://WWW.BURNTECH.COM) OR CALL US AT (818)564-4253.



Report No. 08-154



ICC Evaluation Services  
Report No. 2401



We recommend that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.

REV 05/30/2013

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**WARNING:** THIS FIREPLACE HAS NOT BEEN TESTED FOR USE WITH AN UNVENTED GAS LOG SET. TO REDUCE THE RISK OF FIRE OR INJURY, DO NOT INSTALL AN UNVENTED GAS LOG SET INTO FIREPLACE.

**WARNING:** THIS FIREPLACE HAS BEEN TESTED FOR USE WITH OPTIONAL GLASS DOORS FROM CROWN-BRECKINRIDGE OR MCKENZIE-PENDELTON ONLY.

**WARNING:**

For all OFS-33,39,44 contained within a framed structure: Install only approved, listed UL 103-12" I.D. Class A Chimney System.

For OFS-44 Contained within a framed structure: Install only approved, listed UL 103-14" I.D. Class A Chimney System.

For OFS-63 Contained within a framed structure: Install only approved, listed UL 103-16" I.D. Class A Chimney System.

Chimney maximum height: 40 feet

Chimney minimum height: 14 feet (with offset = 17 feet)  
2 offsets maximum.

**Important:** Follow the chimney pipe manufacturer's instructions on the installation of their specific flue system.

**GUIDELINES FOR USE:**

All current and future users of Burntech® Fireplaces are charged with the responsibility for full knowledge of the information contained within this manual which includes:

Strict requirements for assembly.

Detailed instructions for installation.

Cautionary guidelines for use.

On-going maintenance instructions.

It is the responsibility of the installer, subcontractor and/or the general contractor – whoever shoulders the liability for installation of this product – to see to it that the work is in complete compliance with the guidelines and instructions in this manual. Note that the general contractor is the party accountable for seeing that adequate clearances are provided from all firebox surfaces per specifications in this manual.

**DO NOT USE A FIREPLACE INSERT OR OTHER PRODUCTS NOT SPECIFIED FOR USE WITH THIS FIREPLACE.**

**The Burntech® is Designed for Use Only with:**

- Solid Wood Logs
- Plumbed LPG or Natural Gas Log Lighter.
- Plumbed ANSI Z21.60 Decorative Gas Log.

**DO NOT USE OR STORE GASOLINE OR OTHER FLAMMABLE LIQUIDS OR GASES IN OR NEAR THE FIREPLACE!**

**ATTENTION:** A fire or an explosion could occur causing property damage, injury or loss of life if you do not follow the information in this manual!

**NOTE:** THIS MANUAL MUST BE REPRODUCED ONLY IN ITS ENTIRETY.

**Before Beginning the Installation**

Read these instructions carefully before beginning the installation of this fireplace. Also, if installing an ANSI Z21.60 Decorative Gas Log, read the gas log appliance manufacturer's literature regarding sizing and suitability for the installation into this enclosure prior to installation.

**Statement of Intended Use:**

The Burntech® Masonry Fireplace is a modular refractory masonry unit designed for field assembly. The firebox is constructed using pre-cast, interlocking refractory blocks. The blocks are then secured to each other using Mortar. The system includes all parts necessary for the assembly of a complete masonry fireplace. In addition to the basic enclosure, a standard 1-1/8" thick, high temperature refractory brick is required to line the interior of the firebox and can be purchased from the manufacturer.

These fireplaces are not intended to serve as a primary heat source, rather, the fireplace was expressly created as a supplemental source of heat. The unit is designed for use with solid fuels such as cord wood.

**WARNING:**

Any application other than the "Intended Use" as stated above is in violation of the manufacturer's instructions and is hereby prohibited. Such violation may cause immediate hazard, property damage or loss of life and will void all liabilities to the manufacturer and will void all warranties explicit or implied.

CHECK WITH YOUR LOCAL BUILDING AUTHORITY PRIOR TO CONSTRUCTION OF THE Burntech® FIREPLACE. CERTAIN BUILDING JURISDICTIONS MAY HAVE SPECIFIC REQUIREMENTS REGARDING BUILDING CODES, STRUCTURAL CRITERIA AND ENVIRONMENTAL COMPLIANCE. MOST BUILDING DEPARTMENTS ALSO REQUIRE A PERMIT AND ENGINEERING. ADDITIONAL INFORMATION AND SAMPLE ENGINEERING INCLUDING SPECIFICATION SHEETS ARE AVAILABLE AT OUR WEBSITE: **WWW.BURNTECH.COM**

SPECIAL INSPECTION MAY BE REQUIRED FOR THE EPOXY DOWELING PORTION OF YOUR FIREPLACE INSTALLATION. CONSULT WITH YOUR LOCAL BUILDING DEPARTMENT PRIOR TO REBAR INSTALLATION.

MAINTAIN PROPER CLEARANCES TO COMBUSTIBLE MATERIALS. ALWAYS USE A CERTIFIED SPARK ARRESTOR. STRICTLY ADHERE TO CLEARANCE AND HEIGHT REQUIREMENTS AS SPECIFIED IN YOUR INSTALLATION MANUAL.

ALL OUTDOOR FIREPLACES AND HEARTH EXTENSIONS MUST BE CONSTRUCTED ON AN APPROVED NON COMBUSTIBLE SURFACE AND MUST BE CONSTRUCTED ON A NON-COMBUSTIBLE BASE DESIGNED TO CARRY THE WEIGHT OF YOUR Burntech® FIREPLACE.

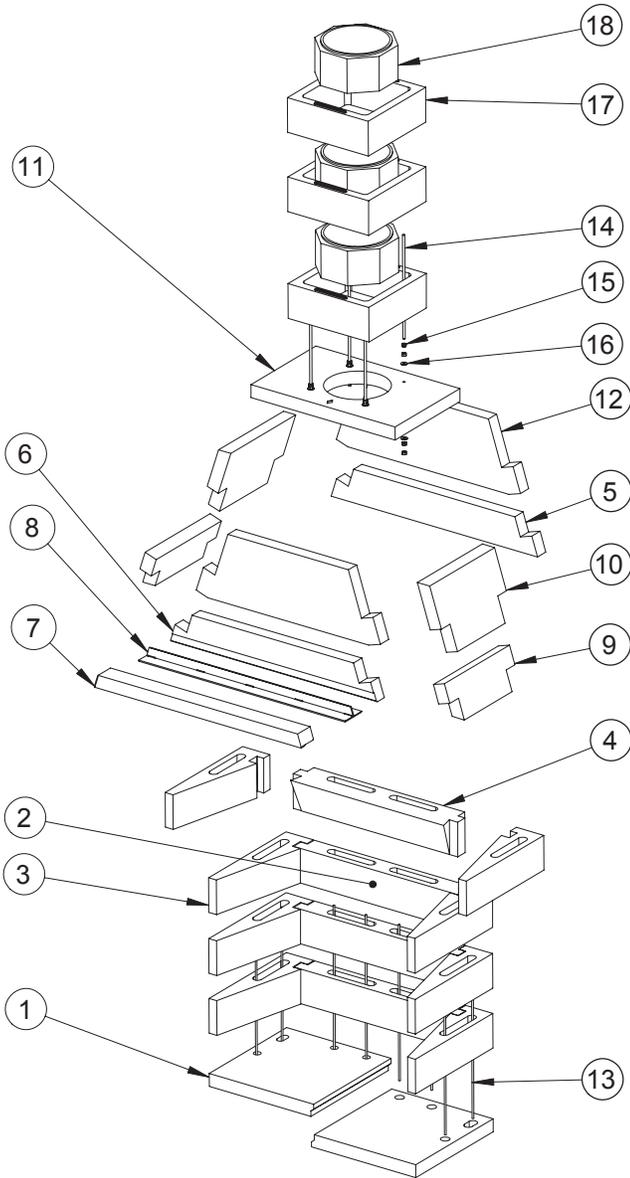
Outside Air kits and dampers are not required on most outdoor fireplaces. Contact your local building department for specific requirements.

## **Basic Tools Required For Installation**

1. 4 Foot Building Level
2. Roto-hammer with 8"x 5/8" Drill Bit (for concrete slab Install only). Drill Motor with Mixer Blade (for mixing Burntech® Mortar).
3. Bucket of water with a sponge.
4. One wheelbarrow and shovel to mix concrete grout.
5. Grout Bag
6. Mason's Trowel
7. Rubber Mallet

# Parts List

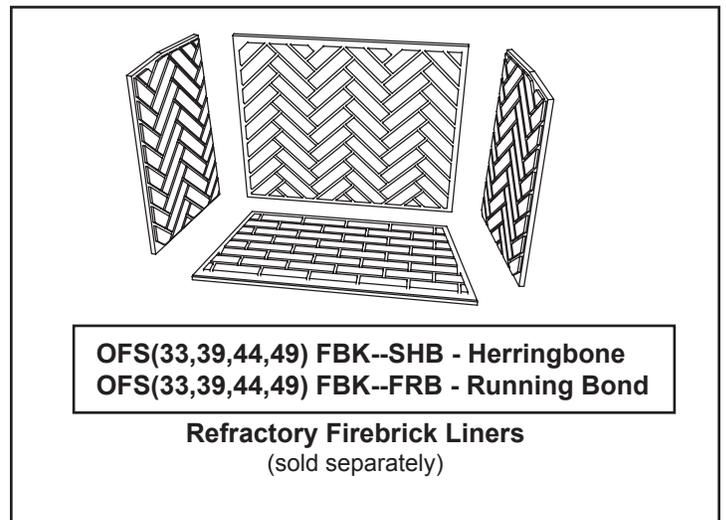
## MODELS OFS 33/39/44/49



ITEM	DESCRIPTION	QTY
1	OPTIONAL BASE PLATE (Left or Right)	2
2	REAR WALL	2
3	SIDE WALL	8
4	SMOKE SHELF	1
5	DOME REAR - LOWER	1
6	LINTEL	1
7	LINTEL FRONT	1
8	T-BAR	1
9	DOME SIDE - LOWER	2
10	DOME SIDE - MIDDLE	2
11	DOME TOP	1
12	DOME FRONT/REAR - MIDDLE	2
13	#4 REBAR (Ø1/2") x 28"	8
14	1/2" x 24" ALL-THREAD BAR (not supplied)**	4
15	1/2" NUT (not supplied)**	8
16	WASHER, Ø1/2" X 1/16 (not supplied)**	8
17	MASONRY CHIMNEY OUTER 8" HIGH	3
18	MASONRY CHIMNEY INNER 14" I.D. x 8"H	3

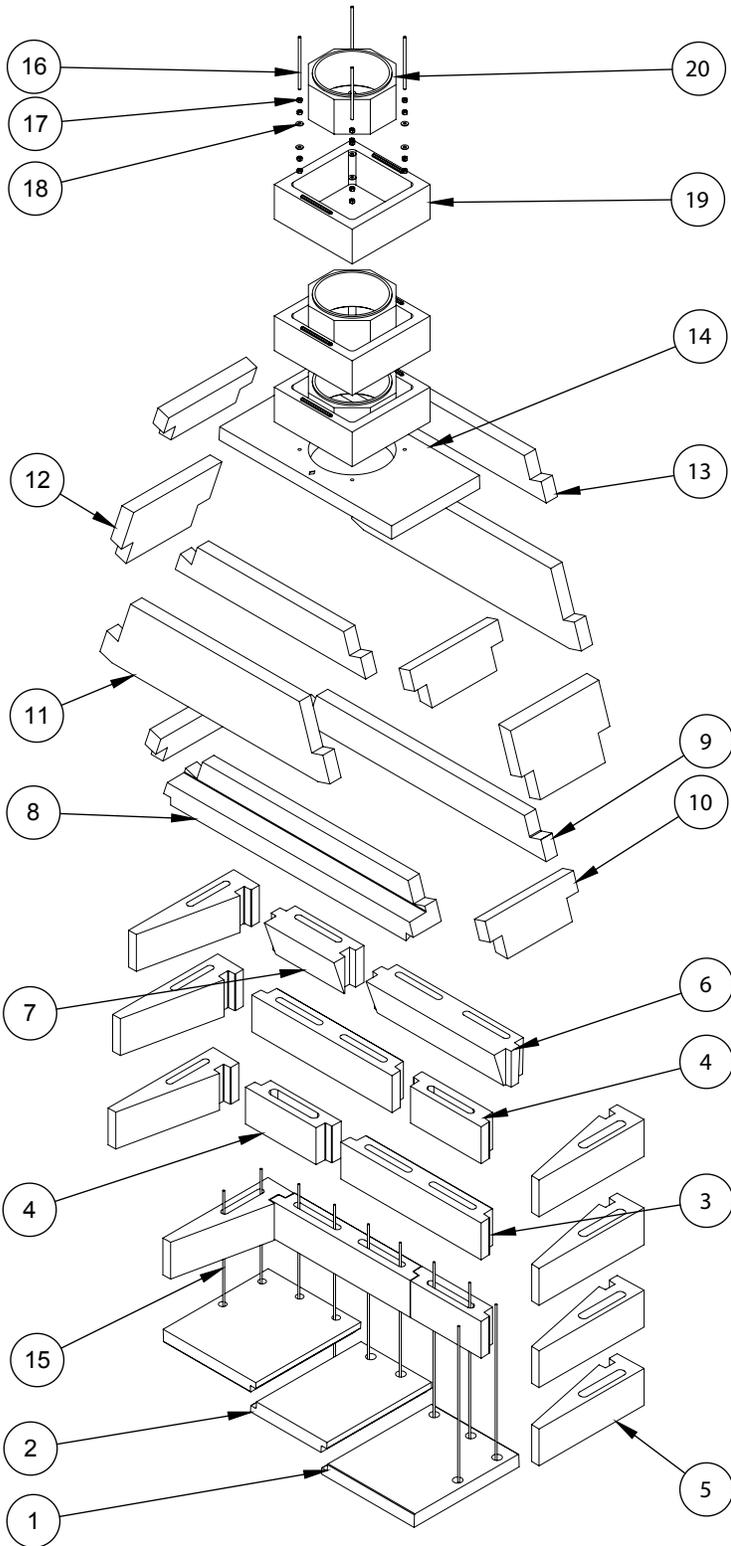
\*\* MAY BE REQUIRED BY LOCAL CODES.

ITEMS INDICATED AS "NOT SUPPLIED" CAN BE OBTAINED FROM YOUR LOCAL HARDWARE STORE.



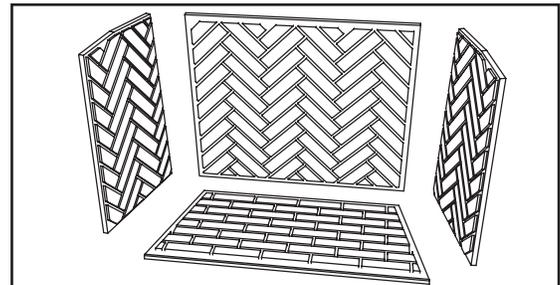
# Parts List

## MODEL OFS 63



ITEM	DESCRIPTION	QTY
1	OPTIONAL BASE PLATE (Left or Right)	2
2	OPTIONAL BASE PLATE - MIDDLE	1
3	REAR WALL	3
4	REAR WALL - SHORT	3
5	SIDE WALL	8
6	SMOKE SHELF	1
7	SMOKE SHELF - SHORT	1
8	LINTEL	1
9	DOME REAR - LOWER	1
10	DOME SIDE	4
11	DOME - MIDDLE	2
12	DOME SIDE - UPPER	2
13	DOME - UPPER	2
14	DOME TOP	1
15	#4 REBAR (Ø1/2") x 28"	10
16	1/2" X 24" ALL-THREAD BAR (not supplied)**	4
17	1/2" NUT (not supplied)**	8
18	WASHER, Ø1/2" X 1/16 (not supplied)**	8
19	MASONRY CHIMNEY OUTER 8" HIGH	3
20	MASONRY CHIMNEY INNER 14" I.D. x 8"H	3

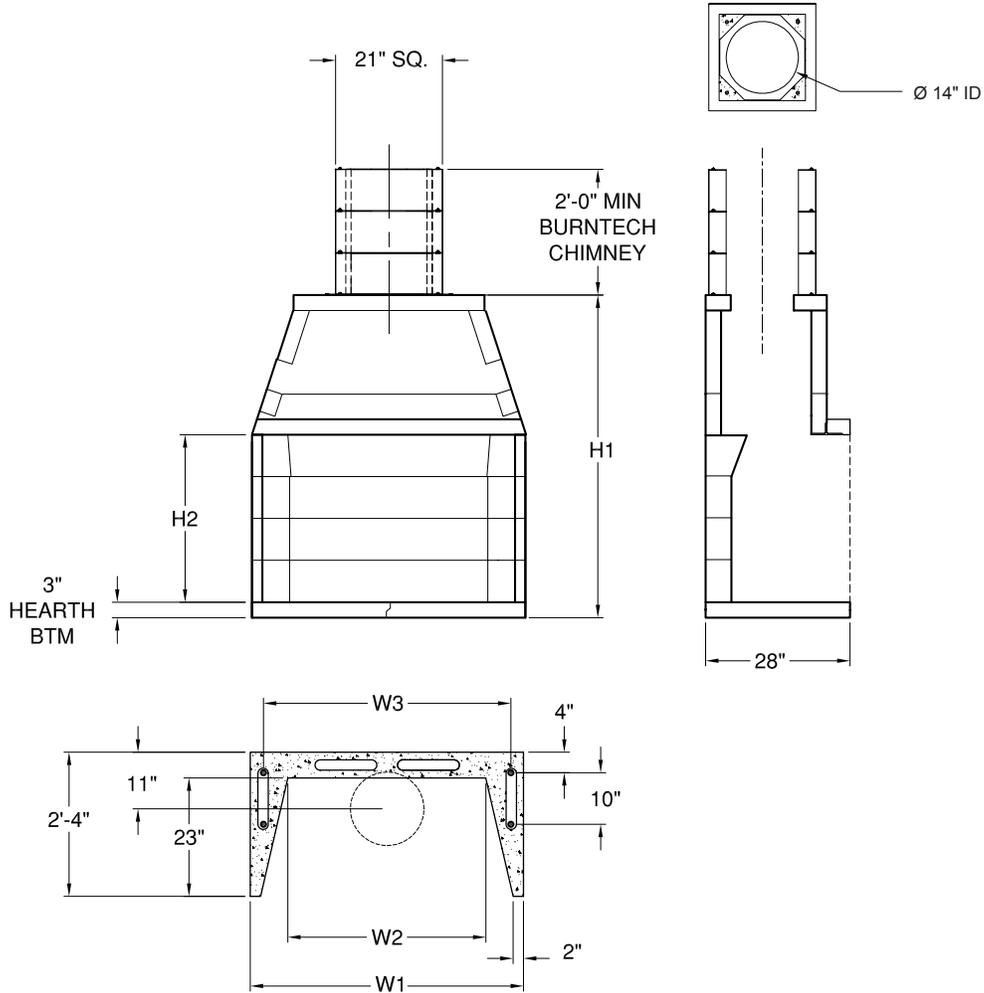
\*\* ITEMS NOTED ARE SOLD SEPARATELY  
 ITEMS INDICATED AS "NOT SUPPLIED" CAN BE OBTAINED  
 FROM YOUR LOCAL HARDWARE STORE.



**OFS 63 FBK SHB - Herringbone**  
**OFS 63 FBK FRB - Running Bond**

**Refractory Firebrick Liners**  
 (sold separately)

# Fireplace Dimensions



MODEL					
DIM	OFS33	OFS39	OFS44	OFS49	OFS63
W1	37"	43"	48"	53"	67"
W2	33"	39"	44"	49"	63"
W3	32"	38-1/2"	43-1/2"	48"	62-3/4"
H1	54-1/2"	62-5/8"	62-5/8"	62-5/8"	73"
H2	24-3/8"	32-1/2"	32-1/2"	32-1/2"	32-7/8"

## Getting Started

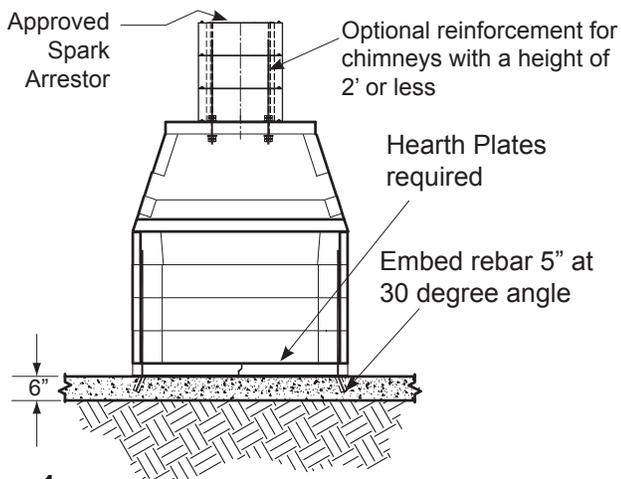
Determine the installation location of your fireplace. Burntech® FIREPLACE kits are designed to be free standing and can be placed directly onto a 6" thick concrete slab. In seismically active areas and for fireplaces requiring more than 2 feet in height of chimney, you must place the Burntech® FIREPLACE on a minimum of a 12 inch deep foundation and must support the entire footprint of your fireplace.

Consult with your local building department for additional structural requirements prior to placing your fireplace. Always be sure to maintain proper clearances away from any combustible objects including framing, patio covers, trees, etc.

## Typical Rebar Embedments

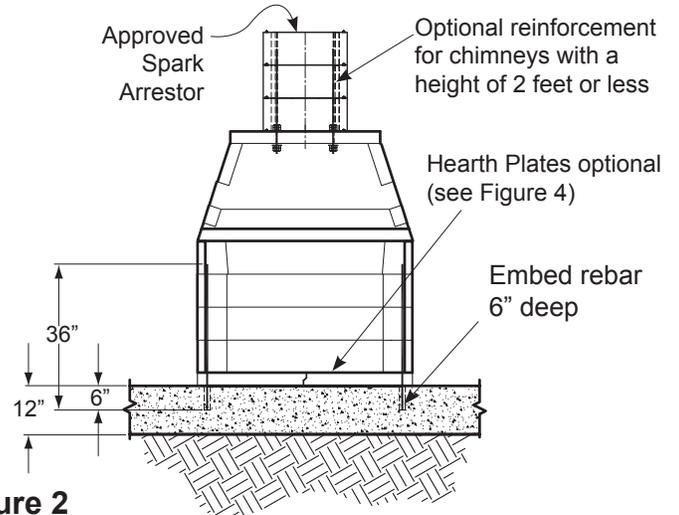
The following examples are typical rebar embedments for most building departments. Consult with your local building department prior to installation for proper embedment depth and foundation reinforcement. Use only approved epoxy.

**Warning: All Burntech® fireplaces require a code approved non-combustible hearth extension and fireplace face. See page 11 for important information.**



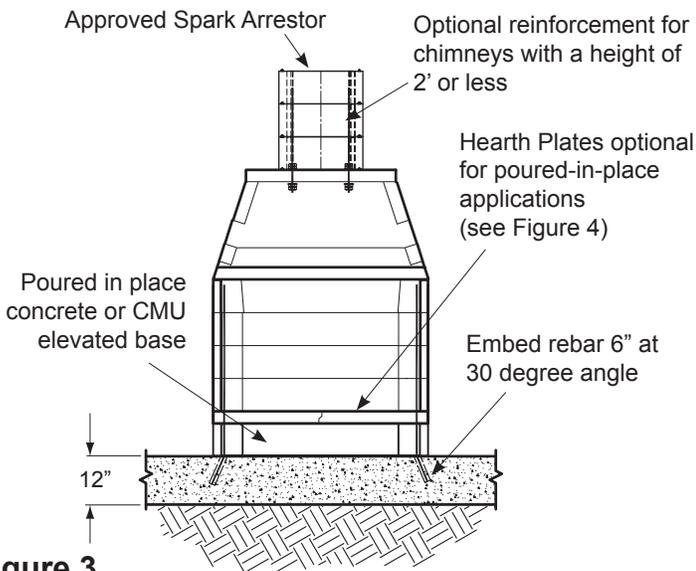
**Figure 1**  
**Installation on 6" Concrete Slab**

For installation on a concrete slab 6" thick or greater, embed rebar a minimum of 5" deep at a 30 degree angle. Hearth plates are required.



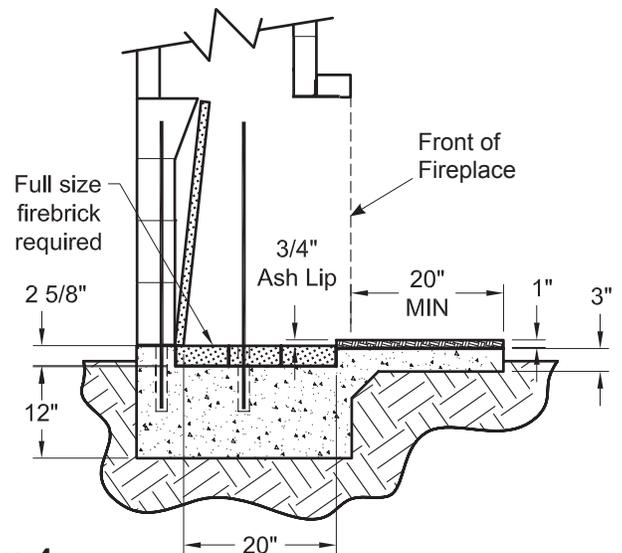
**Figure 2**  
**Installation on Concrete Foundation**

For installation on concrete foundations 12" thick or greater, embed rebar in vertically at a minimum of 6" deep. Hearth plates are optional.



**Figure 3**  
**Raised Hearth on Concrete Foundation**

For raised hearth installations, the Burntech® FIREPLACE can be installed on a poured in place concrete foundation or you may build up the hearth with an approved CMU base. Embed rebar at a minimum of 6" deep at a 30 degree angle. Hearth plates are optional on poured in place applications.



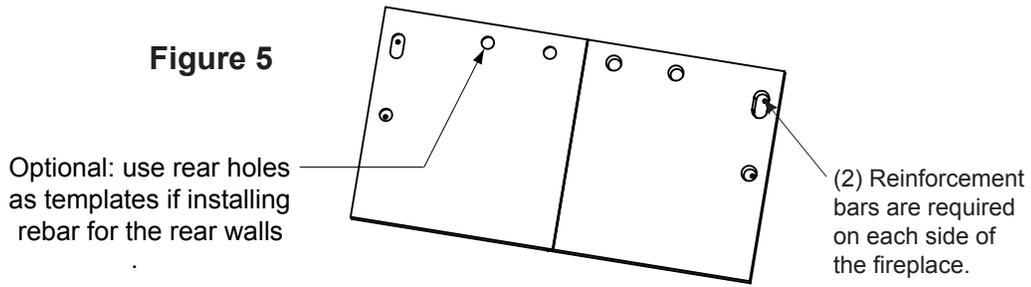
**Figure 4**  
**Flush Floor Installation on Concrete**

Outdoor fireplaces that are not contained within a framed structure may use 2 5/8 inch thick firebrick in lieu of the base plates. Your foundation must be at least 12 inches thick beneath the firebrick. A non-combustible hearth extension is required. See Page 11

# Fireplace Installation

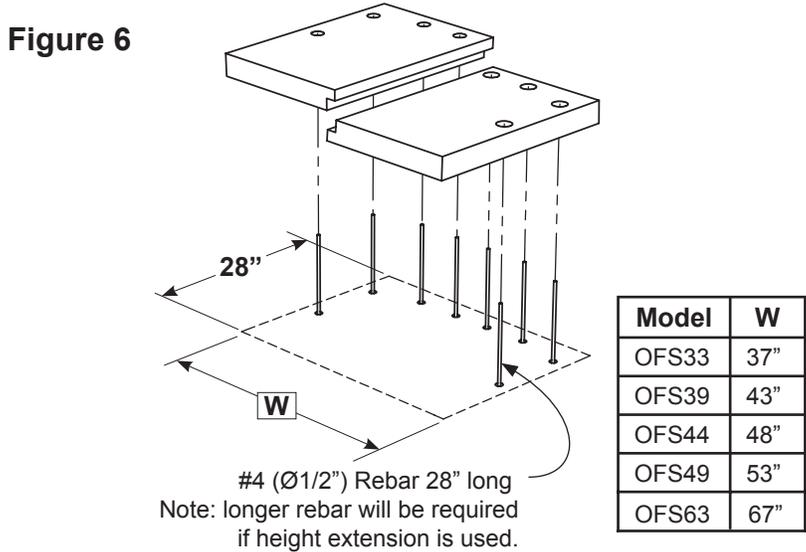
## Step 1

Clean the concrete surface and place the Hearth Bottom Plates at the finished desired location. Use a pencil to trace the Bottom Plate and pre-cored Rebar holes. (Figure 5)



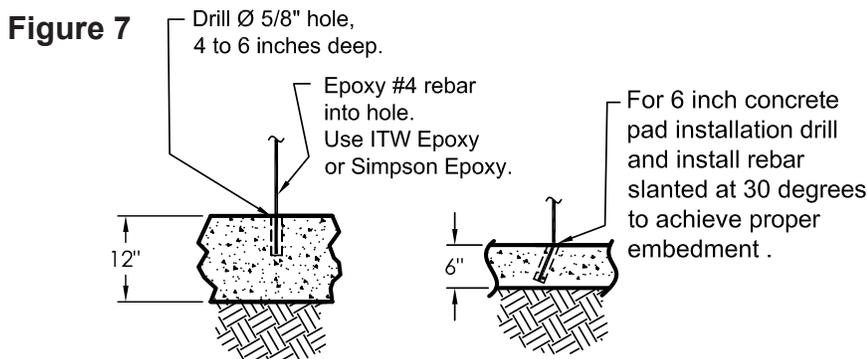
## Step 2

Prepare the surface for Epoxy embedded rebar by drilling 5/8 inch diameter holes, 4 to 6 inches deep. Thoroughly clean out the holes with compressed air or a wire brush prior to the Epoxy process. Cut your rebar to the desired length. The rebar included with your fireplace is for standard Burntech® FIREPLACE opening heights (Figure 6). If you would like to add a height extension kit (part# HEK-33,39,44,49,63 sold separately) you will have to purchase a longer length rebar.



## Step 3

Squeeze the epoxy into the hole and firmly push the rebar to the desired embedment. (Figure 7). Be sure to thoroughly clean out the hole with compressed air or a wire bottle brush prior to placing the epoxy. This will ensure a sufficient bond to the concrete.



Note\* A DEPUTY INSPECTOR MAY BE REQUIRED FOR THE EPOXY DOWELS PROCESS. CHECK WITH YOUR LOCAL BUILDING DEPARTMENT PRIOR TO REBAR INSTALLATION.

## Step 4 - Assembly

**OFS** (Figure 8) Refer to pages 20-26 of your MODULAR MASONRY FIREPLACE INSTALLATION MANUAL for proper assembly procedures.

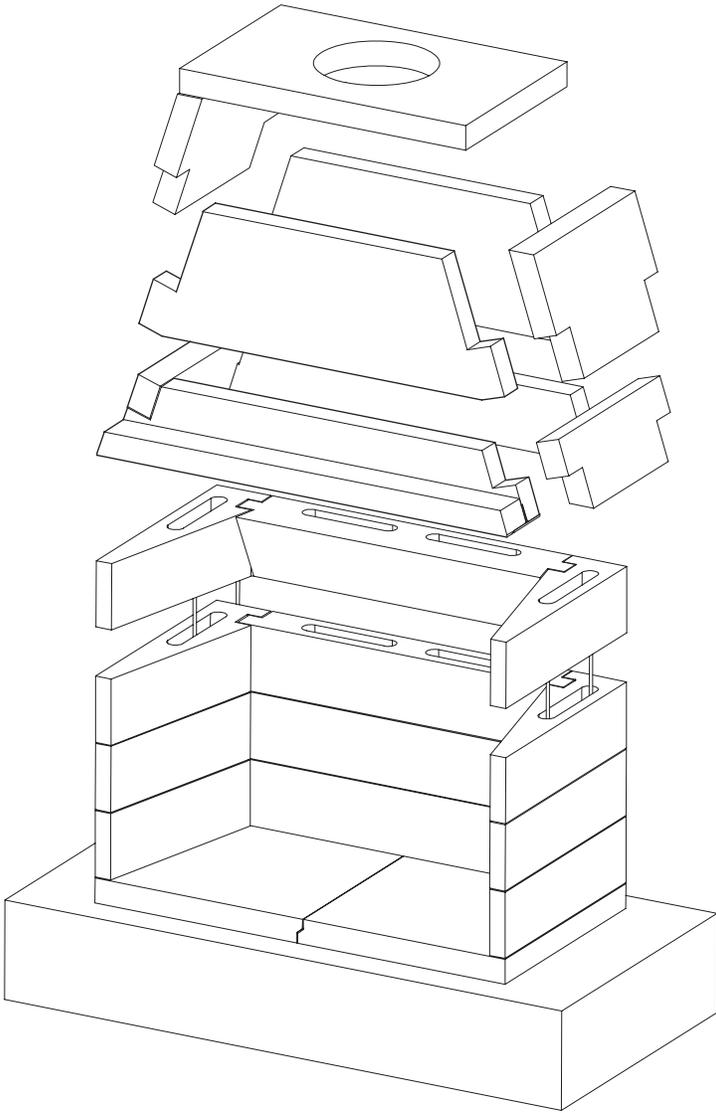


Figure 8

## Step 5 - Firebrick

Firebrick are required to complete your Burntech® Fireplace Installation. Failure to install firebrick may cause immediate hazard, property damage or loss of life and will void all liabilities to the manufacturer and will void all warranties explicit or implied.

### Firebrick Options

Burntech® MODULAR FIREBOX EASY INSTALLATION KITS are available in Herringbone and Running Bond Patterns. Refer to your Product list at the back of your manual for proper sizing and pattern selection.

You may also install traditional masonry firebrick in a pattern of your choosing. Use only firebrick that are a minimum of 1 1/8" thick. Contact us for a list of approved firebrick.

**OFS** (Figure 9) Refer to Pages 28-29 of your MODULAR MASONRY FIREPLACE INSTALLATION MANUAL for firebrick installation instructions and firebrick options.

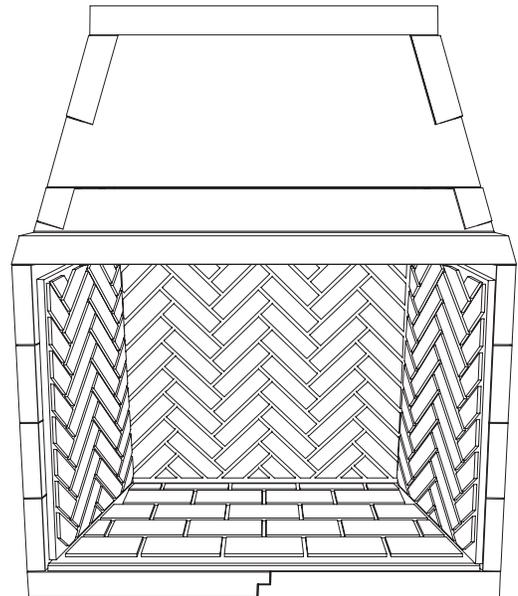


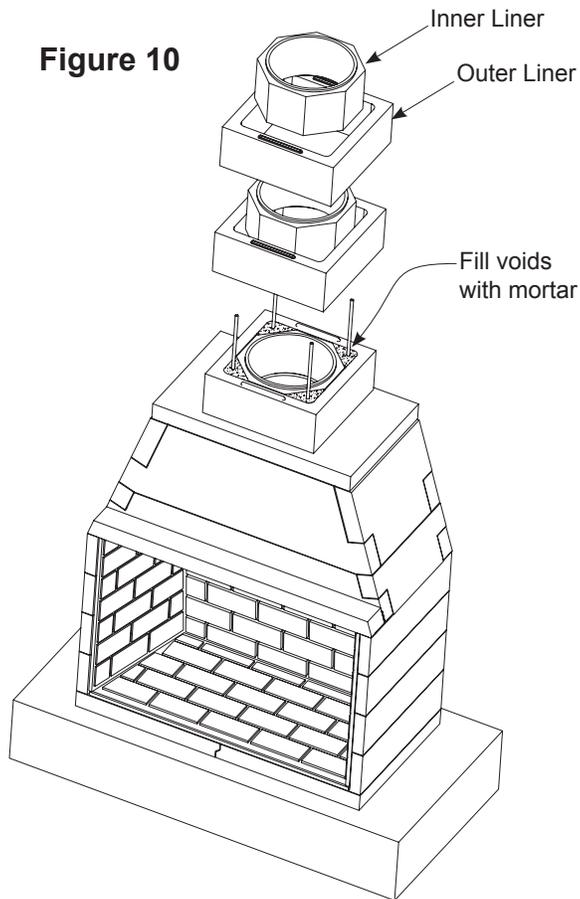
Figure 9

## Chimney Installation

### Step 6 - Masonry Chimney Installation

Your Burntech® OFS model comes with 2 feet of masonry chimney inner and outer liners. Reinforcement is optional for chimneys 2 feet or under in areas not prone to seismic activity.

For installation of masonry chimney in seismically active areas or over 2 feet in height, you must install seismic rods for stability (engineering may be required).

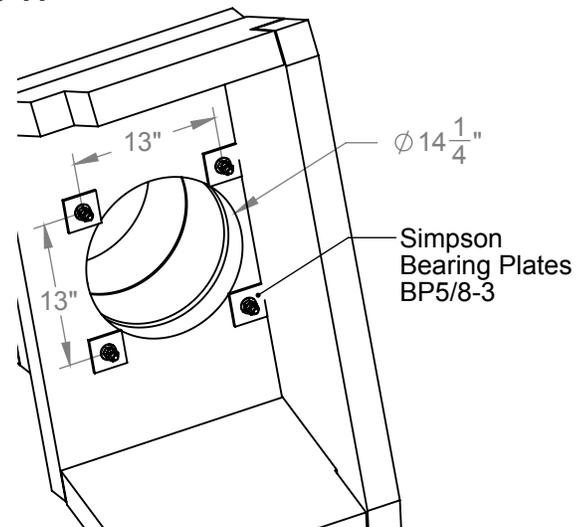


## Chimney Seismic Rod Installation

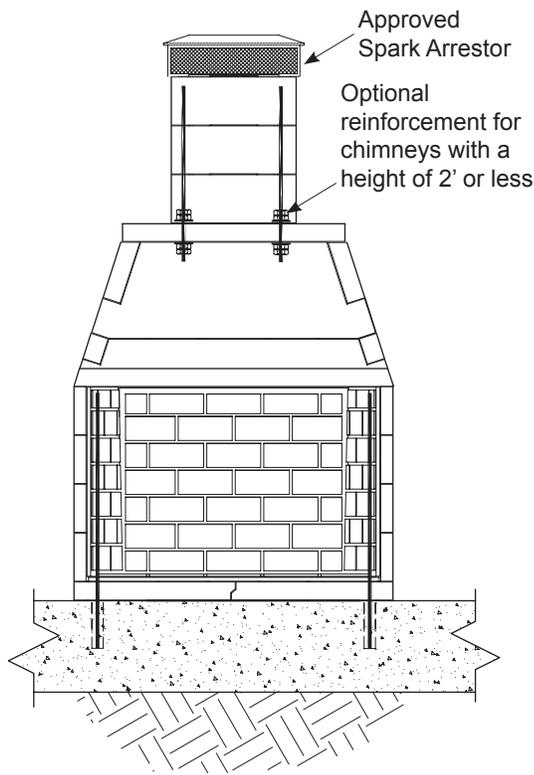
Install The Seismic Rod as follows (Figure 11):

- 1) Drill (4) 5/8 inch holes in the Dome Top. The holes must be located between the inner and outer chimney liner at each corner.
- 2) Place a 1/2 inch threaded rod through each hole. Be sure to leave enough rod to reach the top of the chimney.
- 3) Connect the rod to the Dome Top by securing a Simpson BP5/8-3 Bearing Plate Square Washer and double nuts beneath the Dome Top and another on top of the Dome top. The first nut has to be snug against the washer plates with light pressure as not to break the Dome Top.
- 4) To finish, cut the rod to the desired length and grout the airspace between the inner and outer liner at each corner.

Figure 11



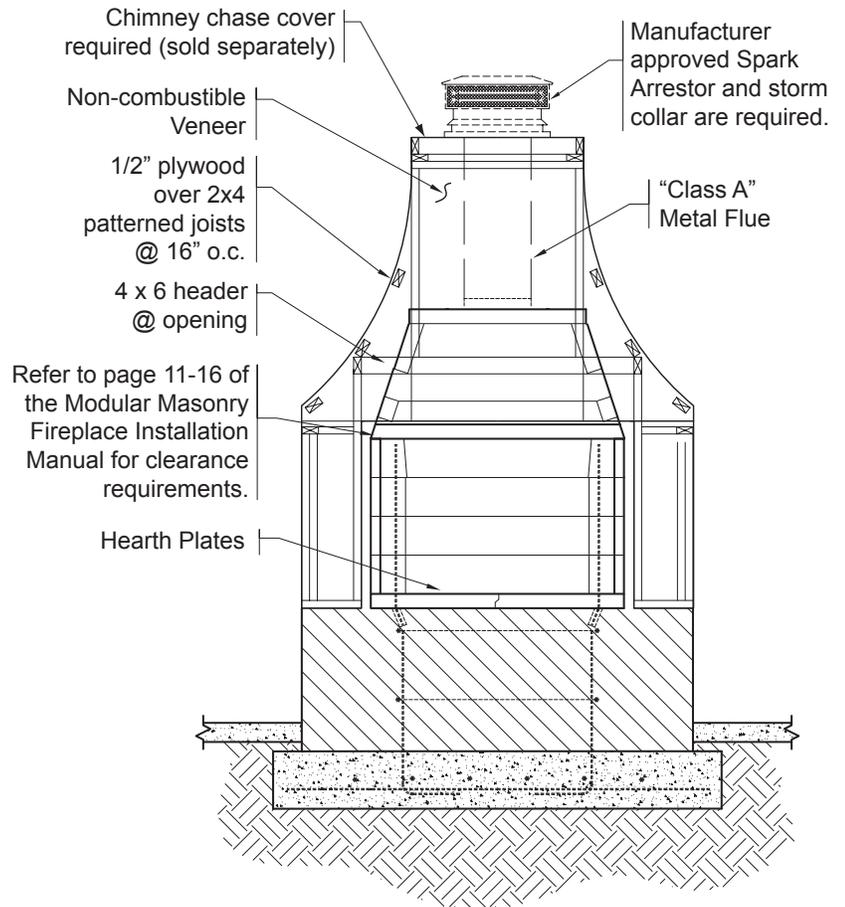
## Masonry Chimney



**Figure 12**  
**Free Standing Fireplace**

For Free Standing Fireplaces not contained within a framed structure (Figure 12), Stone and brick may clad directly onto your Fireplace with thin set or mortar. We recommend that the Fireplace surface be slightly moistened to insure a good bond between the masonry and the fireplace. For plaster and stucco, we recommend a 3/8 inch thick brown coat be applied prior to adding plaster or stucco. This will help keep the modular masonry mortar joints from bleeding through your finish.

## Metal Flue Installation



**Figure 13**  
**Framed Fireplace Exterior**

For Fireplaces contained within a framed structure (Figure 13), refer to your Modular Masonry Fireplace Installation Manual for Framing and chimney installation instructions as well as required clearances.

Stone and brick may be applied to the framed exterior by applying traditional methods including lathe, scratch and brown coat over sheer panel framing. Stone and brick can then be clad directly onto your brown coat with thin set or mortar. A plaster or stucco finish can also be applied on top the brown.



Refer to pages 11-29 in your MODULAR MASONRY FIREPLACE INSTALLATION MANUAL for important installation information.

### Step 7 - Chimney Requirements



#### Fireplace & Chimney System

- 1) For chimney installation over 2 feet in height or for fireplaces contained within framing, use only listed UL103 - Class A, Metal Chimney System. Install per manufacturers installation instructions.
- 2) It is the responsibility of the contractor installer (not the manufacturer) to ensure that adequate combustion air is provided for proper function of this fireplace. Smoke spillage may occur if proper draft is not achieved.
- 3) There are many conditions beyond the manufacturer's control regarding improper fireplace operation. The manufacturer cannot ensure "smoke free" operation, nor can the manufacturer take on the responsibility for problems with surrounding construction; chimneys that have not been built at the correct heights; system drafts caused by faulty mechanical systems; adverse weather conditions or any other environmental situations over which the manufacturer has no control.
- 4) Inspect all fireplace & chimney components for evidence of damage prior to starting installation. Consult your local distributor for replacement parts if necessary.
- 5) Under no circumstances should you make any adjustments or modifications to the chimney system during the installation procedure. If you do, you are not only liable for negating the warranty, but you could very well cause a serious malfunction of the fireplace. You must follow these chimney instructions.
- 6) Caution is urged if it is decided to add insulation material near any part of the Burntech® Fireplace or Chimney system, be certain that the insulation material is kept at least 2" (two inches) away from any part of the system. When using insulation or vapor barrier materials, cover with a layer of plywood, particle board or gypsum board to maintain the specified 2" (two inch) clearance.
- 7) Air spaces around fireplace must remain open. DO NOT fill these open spaces with insulation or packing material of any kind.
- 8)



#### Chimney System Heights

When installed, the **maximum** overall height of the chimney system from bottom of fireplace to the top/termination chimney is 40 feet. The **minimum** installed height of the completed Chimney System is 14 feet with a straight flue stack, 17 feet if the chimney includes one or two offset sections.

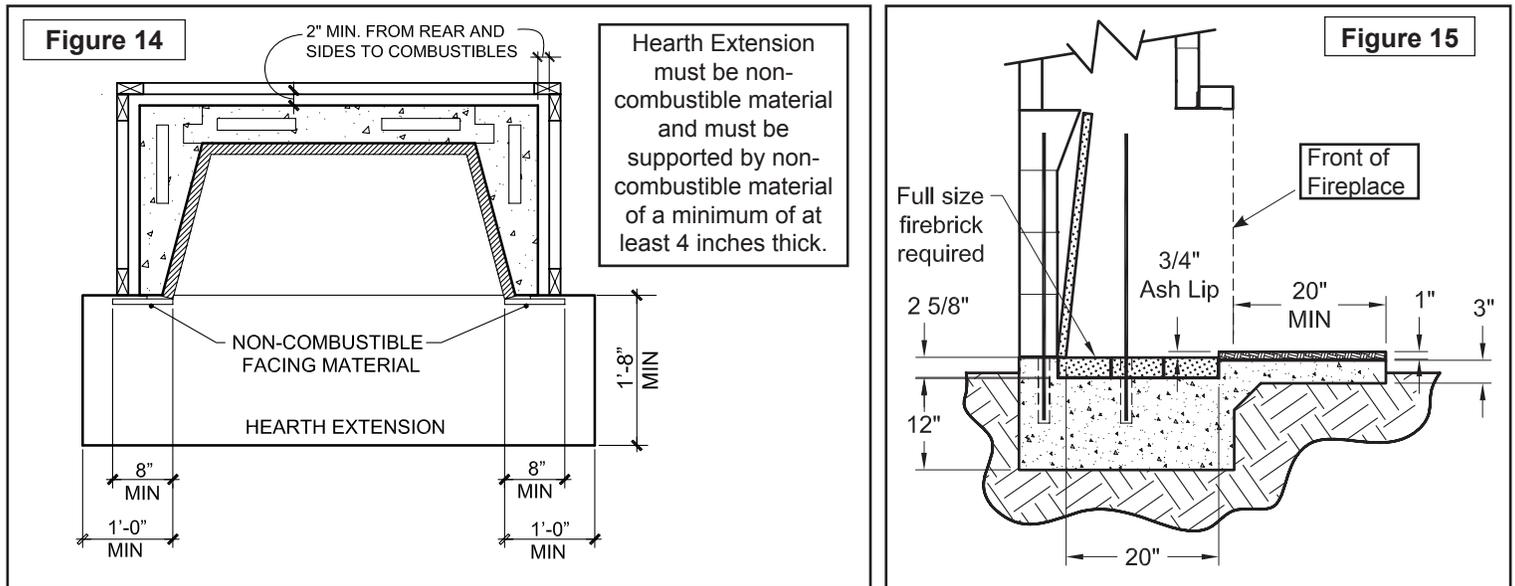
Attention: It is critical to abide by the clearances listed in this manual for all components specified as it allows for movement of hot air from the fireplace into interior areas of the chimney chase. Also, be certain that the chimney system be installed as stated below. Prior to starting the installation, check with local, regional or state codes for any restrictions or required permits regarding your fireplace installation.

## Step 8 - Hearth Requirements

Burntech® Fireplaces require code compliant noncombustible hearth extensions. Hearth extensions must consist of concrete, brick stone, tile, marble or a combination of these materials. Hearth extensions must extend a minimum of 20 inches in front of the fireplace opening and a minimum of 12 inches on each side (figure 13). The hearth extension shall be a minimum of 3" thick when being placed on native soil. Always leave your inner hearth elevation  $\frac{3}{4}$  of an inch lower than your exterior hearth extension to prevent hot embers from rolling out of your firebox (figure 10). If you are placing your Burntech® fireplace on an existing concrete slab or are finishing off your patio with concrete, brick, stone, marble or tile which will be supported solely by a concrete sub-base, this will act as your hearth and an additional hearth is not required. If pouring a raised hearth extension only use noncombustible materials such as masonry or concrete.

**Warning:** The substructure of the hearth extension shall never be supported by wood or any other combustible materials.

Refer to pages 11-16 of your Modular Masonry Installation Manual for important information regarding hearth extension installation.



## Step 9 - Clearance To Combustibles



## Additional Clearance Requirements



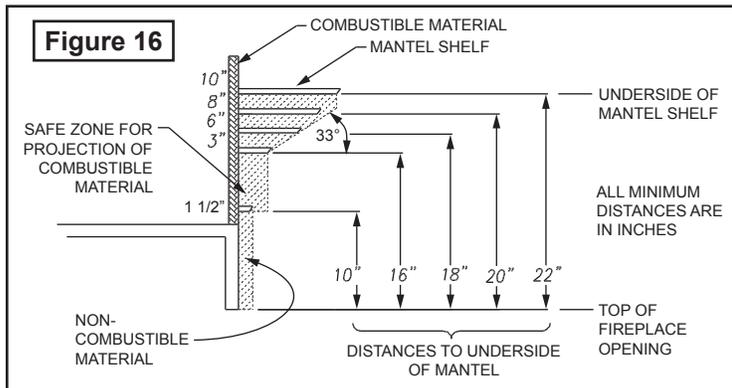
### Clearance To Combustibles

Proper Clearances to combustible material must be maintained at all times. Here are some common combustible construction materials:

Drywall            Wood flooring        Plywood  
Sub-flooring      Wood Framing       Particle board  
Mill board        Plywood paneling

#### Maintain the following clearances:

- Unit sides, rear, Dome sides, rear & top: 2" (51 mm)
- Combustible Sheathing above opening top: 18" (457 mm)
- Sheathing or trim to opening sides: 8" (203 mm)
- Mantel above opening: (see Fig. 16)
- Opening to sidewall: 24" (610 mm)
- Hearth extension beyond front: 20" (508 mm)
- Hearth extension beyond sides: 12" (305 mm)
- Insulation from firebox: 2" (51 mm)



### Understanding Clearance to Combustibles

There is a build-up of a considerable amount of radiant heat on the outer surfaces of the Burntech® Fireplace. It's critical that proper clearances to combustibles be maintained so that this radiant heat is maintained to safe limits.



### Combustible Floor Installation

OFS Models are not approved for combustible floor installation. For wood floor application, use TFS Models only. Refer to the Modular Masonry Fireplace Installation Guide for more information.

### Clearance to objects

Always maintain a safe distance to objects located near the Burntech® fireplace and chimney. Here are some common items to consider for safe clearance:

Furniture            Rugs                    Trees                    Fences  
Patio Covers      Cushions              Flooring                Bushes  
Posts                Gazebos                Candles                Carpet  
Flammable Liquids                      Roof overhangs/Eaves

Caution– If any part of the fireplace or objects on or near the fireplace start to show warping or discoloration due to heat exposure, immediately move the object away from the fireplace. Always stack wood and kindling at least 5 feet away from the fireplace.

### Fireplace Opening Clearances

Always keep combustible objects a minimum of 5 feet away from the opening of the fireplace. If any part of the fireplace or objects on or near the fireplace start to show warping or discoloration due to heat exposure, immediately move the object away from the fireplace. ALWAYS USE A FIREPLACE SCREEN DURING OPERATION.

### Chimney Flue Exhaust Clearances

Always maintain a minimum of 10 feet above and away from external structures including roofs, eaves, patio covers, gazebos, siding, posts, or any other combustible structure. ALWAYS USE AN APPROVED SPARK ARRESTOR.

**Warning: Never construct a Burntech® Fireplace beneath trees, patio structures, or against an existing structure without proper chimney installation. Refer to the Burntech® Modular Masonry Installation Instructions**

## Step 10 - Preparation For Use



### Adding a Gas Pipe

You may elect to add a vented decorative gas appliance (gas log) to your Burntech® Fireplace. If so, follow the installation instructions from the Decorative Gas Appliance manufacturer. Familiarize yourself with requirements for installation as outlined by the National Fuel Gas Code, ANSI Z223.1. This gas pipe provision should only be used on a decorative gas appliance.

You can route the gas piping in the firebox side walls. Use a drill with a masonry bit. Follow all building codes when running your gas line.

Fill in the holes you have drilled around the gas piping with the regular Burntech® mortar.

Follow the Gas Log manufacturer's instructions.



### Adding Electrical Connections

Certain Gas Logs require power. Electrical feed lines can be run through the floor, back wall, or side walls with the fire-resistant sheathing provided by the log manufacturer. Be sure to follow log manufacturer's instructions as well as local building and electrical code requirements.



### Fireplace Grates and Screens

To complete your fireplace installation, a fireplace grate will be required for safe operation. The fireplace grate can be obtained from Burntech® Fireplace Solutions or if choosing an alternate, it must be sized to 50% of the hearth maximum. Additionally, a fireplace screen must be installed for safety.

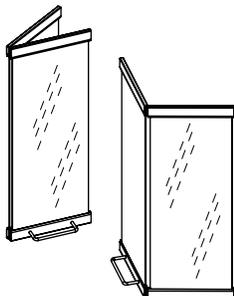
When ordering, please refer to the parts lists in the beginning of this manual.

### Fireplace Door Accessory

Doors may be required on outdoor fireplaces. Consult with your local building department.

**WARNING:** Never touch fireplace doors during operation of fireplace or while the glass is hot. Touching the glass will result in serious injury.

**IMPORTANT:** Only Crown-Breckinridge or McKenzie-Pendelton Doors are approved for use with this fireplace. For installation Instructions, see separate instructions included with doors.



## Burntech® Owner's Operation & Precautions

Installers of Burntech® Fireplaces are urged to leave the owner's manual with the unit after installation is complete.

**WARNING:** Do not attempt to operate your fireplace without a fire safety screen installed.

**CAUTION:** The manufacturer cautions against using chemical chimney cleaners. Never use charcoal or coal in the fireplace under any circumstances.

**First Lighting** – After construction is completed, all elements of the fireplace and chimney system must be completely dry. This means that the unit must stand without any firing for a minimum of 28 days. Only after that period of time can a first lighting take place. The first fire must be small and well-controlled, started with a small amount of kindling. Add no more than eight pounds of wood, preferably small logs not more than 3" (three inches) in diameter. You will probably burn no more than three to four of these small logs. Do not let the fire burn for more than one hour. After this first lighting – when the fireplace has started to "cure" Do not set another fire for at least 24 hours.

**Second Lighting** – Start the fire slowly and gradually as you did with the first lighting, but this time you can burn up to ten pounds of firewood, probably four to five logs that are 3" (three inches) in diameter. With the second lighting you can let the fire burn two hours – no more.

**After First and Second Lighting** – When the fireplace has been properly cured with 1st and 2nd lighting, you will be able to add a full fuel load to the Burntech® which is about 10 to 15 pounds of firewood at any given time. Consider that this typical fuel load is three to four dry hardwood logs that are about 6" (six inches) to 8" (eight inches) in diameter.

Without a grate for your firewood to rest on, you cannot get the air flow you need under the fire which makes for a hotter, more satisfying fire.

Don't "over burn" – Always remember, your Burntech® Fireplace is an elegant addition to your home. It is not an indoor incinerator! If you start to use the fireplace and begin a routine of "over burning," you can permanently and unalterably damage the unit.

**WARNING:** DO NOT burn household trash, chemicals and combustibles, cardboard boxes, document papers, scrap lumber or stray branches from your yard, particularly pine. Burning any of these materials will cause an unsafe condition and will void your warranty!



## Starting a Fire and Basic Operation

Before starting a fire in your fireplace, open the damper to its' fully open position. Crumple some paper and place it on the log grate. Use some soft, dry wood as kindling and put it on top of the paper. Place some small logs or split logs atop the paper and kindling. Top your fuel load with a couple of hardwood logs or split logs (Oak or Hickory). Make sure you stack the logs so they fall inside the grate as they burn.

**Note:** To get the most out of your wood, it is recommended that you let it set and completely dry out for nine months to a year.

When you are satisfied with the arrangement of your wood load, light the paper which in turn will ignite the kindling, then the softer wood and finally, the harder wood logs. As the fire burns, you can carefully lay additional logs on the flame, but make sure you place them gently without forcing them into the opening.



## Annual Fireplace Maintenance

Your Burntech® fireplace and chimney require seasonal and monthly maintenance.

It is recommended that inspection of the fireplace and chimney take place on a monthly basis during the heating season. Start at the top, looking for birds' nests, leaves or any other obstructions. Also check the spark arrestor, for creosote or soot build-up.

A Professional Chimney Sweep may be hired to clean the firebox and chimney at least twice a year. If doing it yourself, use a plastic, wood or steel brush for the inside of the chimney.

For the spark arrestor, scrub with a wire brush. To dismantle the chimney cap for cleaning of the flue, unscrew the four screws that hold it in place. For cleaning access from below, open the damper in the firebox. It is best to use a flexible handle chimney cleaning brush made especially for the job.

If your fireplace system has any offset chimney sections, start cleaning with the flexible brush from the top of the section downward to the elbow. Then clean from the firebox up to the offset/return section.

Make sure to cover the floor of the fireplace and out to the hearth with a damp sheet that has been taped securely in place. When all the soot has settled, remove the sheet and vacuum up. Don't sweep the excess soot!

Never use any chemical cleaners when cleaning the chimney system since their residue may cause a fire hazard.

During heating season as you conduct your monthly inspection of the firebox and chimney, be sure to also check the outside of the chimney, metal flashing and weather seals that surround it.

If you find any cracks or openings around screws or nails, seal them to avoid any roof or chimney chase leaks.

### SURFACE CRACKS

Burntech® fireplaces are manufactured using high quality materials. During the drying process though, surface cracking may occur. These small cracks (under 1/16" will not affect the fireplace safety or performance). During the assembly process, fill surface cracks with thin-set mortar and brush when drying for a smooth surface finish.

### REMOVAL OF CREOSOTE AND SOOT FORMATION

Creosote vapors are known to form in the relatively cool chimney flues of slow burning fires, hence, creosote residue collects on the flue lining. Because of soot and creosote build-up, it is recommended that the fireplace and chimney cleaning be done twice a year. In colder climates, cleaning should be done more often.

Before performing maintenance on your fireplace make sure you shut off gas and electrical connections and allow the fireplace to cool completely.

Use only solid fuel in your fireplace. You may use a natural or LP gas log lighter as a method to start your wood fire.

The Chimney Damper must be in the OPEN position whenever there is heat in the fireplace.

## Customer Service & Parts Replacement

Most parts and accessories may be purchased from your dealer. For additional Parts and accessories please call Burntech® Fireplace Solutions Monday thru Friday 9 AM to 4 PM (Pacific Standard Time) at (818) 564-4253 or Fax your order to (818) 564-4232.

You may also visit our website at:  
[WWW.BURNTECH.COM](http://WWW.BURNTECH.COM)

## Appendix I

For installations regulated by the International Residential Code, the support foundation for the fireplace installed on concrete shall consist of a minimum of 6 inches thick reinforced concrete slab. The minimum specified compressive strength of  $f'_c$ , shall be as required in Table R402.2 of the International Residential Code (IRC). Concrete subject to moderate or severe weathering as indicated in Figure R301.2(3) of the International Residential Code (IRC) shall be air entrained as specified in Table R402.2 of the International Residential Code (IRC). The maximum weight of fly ash, other pozzolans, silica fume, slag or blended cements that is included in concrete mixtures for garage floor slabs and for exterior porches, carport slabs and steps that will be exposed to deicing chemicals shall not exceed the percentages of the total weight of cementitious materials specified in Section 4.2.3 of ACI 318. Materials used to produce concrete and testing thereof shall comply with the applicable standards listed in Chapter 3 of ACI 318.

For installations regulated by the International Building Code (IBC), the support foundation for the fireplace installed on concrete shall consist of a minimum of 6 inches thick reinforced concrete slab. The concrete strength and durability shall comply with Sections 1903, 1904 and 1905 of the International Building Code (IBC).

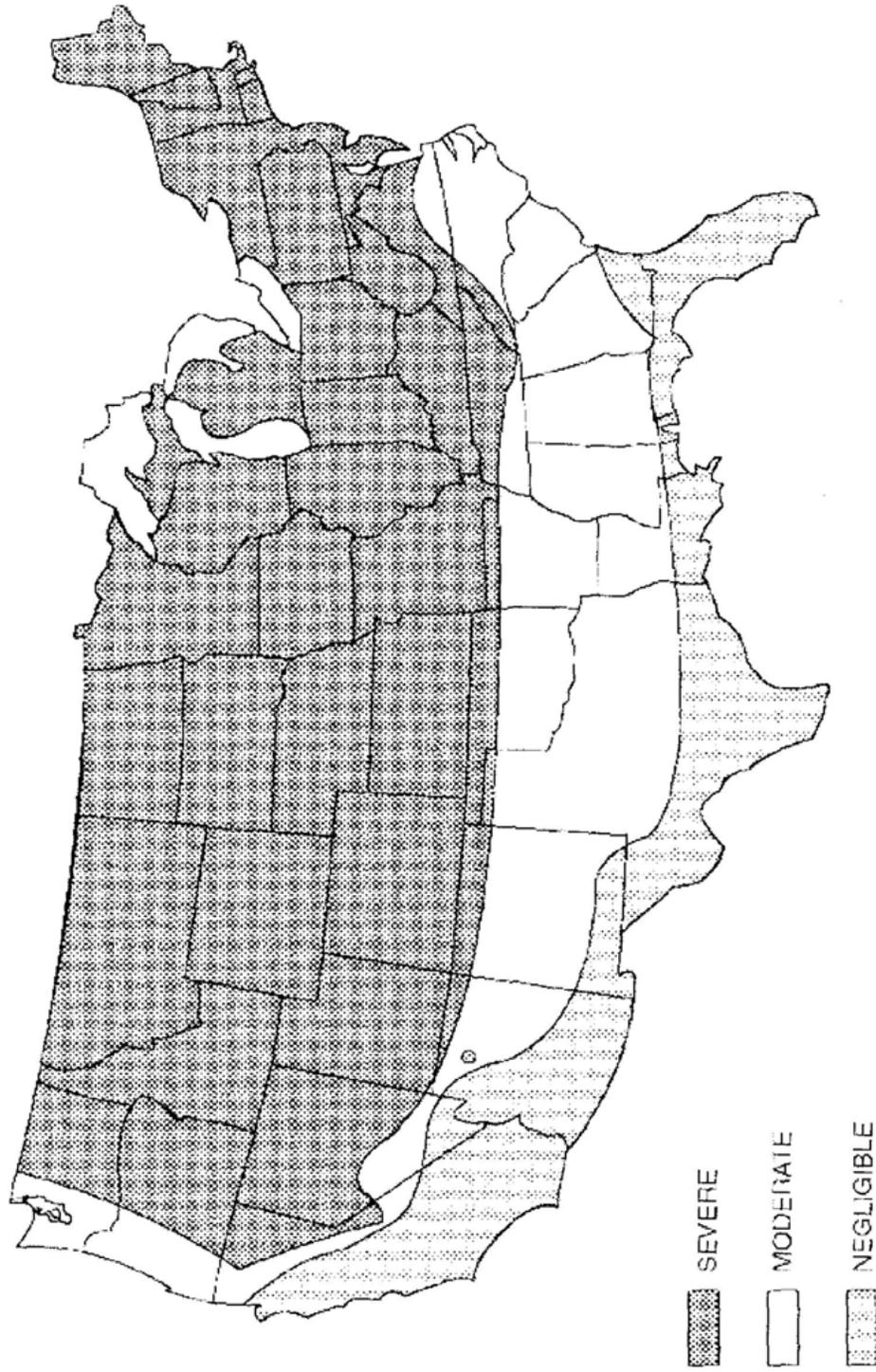
**TABLE R402.2 MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF CONCRETE**

<b>TYPE OR LOCATION OF CONCRETE CONSTRUCTION</b>	<b>MINIMUM SPECIFIED COMPRESSIVE STRENGTH<sup>a</sup> (<math>f'_c</math>)</b>	
	<b>Negligible</b>	<b>Moderate or Severe Weathering Potential<sup>b</sup></b>
Basement walls, foundations and other concrete not exposed to the weather	2,500	2,500 <sup>c</sup>
Basement slabs and interior slabs on grade, except garage floor slabs	2,500	2,500 <sup>c</sup>
Basement walls, foundation walls, exterior walls and other vertical concrete work exposed to the weather	2,500	3,000 <sup>d</sup>
Porches, carport slabs and steps exposed to the weather, and garage floor slabs	2,500	3,000 <sup>d,e,f</sup>

- a. Strength at 28 days psi.
- b. See Figure R301.2(3) for weathering potential.
- c. Concrete in these locations that may be subject to freezing and thawing during construction shall be air-entrained concrete in accordance with Footnote d.
- d. Concrete shall be air-entrained. Total air content (percent by volume of concrete) shall be not less than 5 percent or more than 7 percent.
- e. See Section R402.2 for maximum cementitious materials content.
- f. For garage floors with a steel troweled finish, reduction of the total air content (percent by volume of concrete) to not less than 3 percent is permitted if the specified compressive strength of the concrete is increased to not less than 4,000 psi.

## Appendix II

FIGURE R301.2(3) WEATHERING PROBABILITY MAP FOR CONCRETE



- a. Alaska and Hawaii are classified as severe and negligible, respectively.
- b. Lines defining areas are approximate only. Local conditions may be more or less severe than indicated by region classification. A severe classification is where weather conditions result in significant snowfall combined with extended periods during which there is little or no natural thawing causing deicing salts to be used extensively.



<b>MODEL#</b>	<b>(Width x Height)</b>	<b>Description of Product</b>
<b>Traditional Fireplace Series</b>		
<i>For Indoor or Outdoor use*</i>		
TFS63	63"x 32"	BURNTECH™ FIREPLACE KIT - Use 16" Class A UL103 Chimney - Inc (2) BFPM525
TFS49	49"x 32"	BURNTECH™ FIREPLACE KIT - Use 14" Class A UL103 Chimney - Inc (1) BFPM525
TFS44-12	44"x 32"	BURNTECH™ FIREPLACE KIT - Use 12" Class A UL103 Chimney - Inc (1) BFPM525
TFS44-14	44"x 32"	BURNTECH™ FIREPLACE KIT - Use 14" Class A UL103 Chimney - Inc (1) BFPM525
TFS39-12	39"x 32"	BURNTECH™ FIREPLACE KIT - Use 12" Class A UL103 Chimney - Inc (1) BFPM525
TFS39-14	39"x 32"	BURNTECH™ FIREPLACE KIT - Use 14" Class A UL103 Chimney - Inc (1) BFPM525
TFS33-12	33"x 24"	BURNTECH™ FIREPLACE KIT - Use 12" Class A UL103 Chimney - Inc (1) BFPM525
TFS43-ST	43"x 32"	BURNTECH™ SEE-THRU FIREPLACE KIT - Use 16" Class A UL103 Chimney - Inc (1) BFPM525
<i>*All BURNTECH™ Traditional Fireplace Kits Installed Indoors Require Class A UL103 Flue Pipe (SOLD SEPERATELY)</i>		
<b>Linear Fireplace Series</b>		
<i>For Indoor or Outdoor use*</i>		
LFS72-H20	72"x 20"	BURNTECH™ FIREPLACE KIT - Use (2) 12" Class A UL103 Chimney - Inc (2) BFPM525
LFS72-H16	72"x 16"	BURNTECH™ FIREPLACE KIT - Use (2) 12" Class A UL103 Chimney - Inc (2) BFPM525
LFS63-H20	63"x 20"	BURNTECH™ FIREPLACE KIT - Use 16" Class A UL103 Chimney - Inc (2) BFPM525
LFS63-H16	63"x 16"	BURNTECH™ FIREPLACE KIT - Use 16" Class A UL103 Chimney - Inc (2) BFPM525
LFS63-STH20	63"x 20"	BURNTECH™ SEE-THRU FIREPLACE KIT - Use 16" Class A UL103 Chimney - Inc (2) BFPM525
LFS63-STH16	63"x 16"	BURNTECH™ SEE-THRU FIREPLACE KIT - Use 16" Class A UL103 Chimney - Inc (2) BFPM525
<i>*All BURNTECH™ Linear Fireplace Kits Installed Indoors Require Class A UL103 Flue Pipe (SOLD SEPERATELY)</i>		
<b>Outdoor Fireplace Series</b>		
<i>For Outdoor use only</i>		
OFS63	63"x 32"	BURNTECH™ FIREPLACE KIT - Includes (2) BFPM525 and 2' MCH 14" Flue
OFS49	49"x 32"	BURNTECH™ FIREPLACE KIT - Includes (1) BFPM525 and 2' MCH 14" Flue
OFS44	44"x 32"	BURNTECH™ FIREPLACE KIT - Includes (1) BFPM525 and 2' MCH 14" Flue
OFS39	39"x 32"	BURNTECH™ FIREPLACE KIT - Includes (1) BFPM525 and 2' MCH 14" Flue
OFS33	33"x 24"	BURNTECH™ FIREPLACE KIT - Includes (1) BFPM525 and 2' MCH 14" Flue
OFS43-ST	43"x 32"	BURNTECH™ SEE-THRU FIREPLACE KIT - Includes (1) BFPM525 and 2' MCH 14" Flue
OFS33-SF	33"x 16"	BURNTECH™ SMARTFIRE FIREPLACE KIT - Includes (1) BFPM525 and 2' MCH 14" SlimFlue
<b>Vent-Free Series</b>		
<i>For Outdoor use only*</i>		
VFS63	63"x 32"	BURNTECH™ VENT-FREE FIREPLACE KIT - Includes (1) (1) BFPM525
VFS49	49"x 32"	BURNTECH™ VENT-FREE FIREPLACE KIT - Includes (1) BFPM525
VFS44	44"x 32"	BURNTECH™ VENT-FREE FIREPLACE KIT - Includes (1) BFPM525
VFS39	39"x 32"	BURNTECH™ VENT-FREE FIREPLACE KIT - Includes (1) BFPM525
VFS33	33"x 32"	BURNTECH™ VENT-FREE FIREPLACE KIT - Includes (1) BFPM525
VFS43-ST	43"x 32"	BURNTECH™ SEE-THRU VENT-FREE FIREPLACE KIT Includes (1) BFPM525
<i>*All BURNTECH™ Vent-Free Kits Require An Approved Vent Free Gas Log Set (SOLD SEPERATELY)</i>		
<b>Gas B-Vent Series</b>		
<i>For Indoor Use Only</i>		
GBVS49	10"	BURNTECH™ B-VENT GAS APPLIANCE - Includes (1) BFPM525 (1) GBV-DH10
GBVS44	10"	BURNTECH™ B-VENT GAS APPLIANCE - Includes (1) BFPM525 (1) GBV-DH10
GBVS39	10"	BURNTECH™ B-VENT GAS APPLIANCE - Includes (1) BFPM525 (1) GBV-DH10
GBVS43-ST	12"	BURNTECH™ SEE-THRU B-VENT GAS APPLIANCE - Includes (1) BFPM525 (1) GBV-DH12
<i>*All BURNTECH™ B-Vent Fireplace Kits Require An Approved "Vented" Gas Log Set (SOLD SEPERATELY)</i>		
<b>Outdoor Pizza Oven</b>		
OPO-24		BURNTECH™ OUTDOOR WOOD BURNING PIZZA OVEN Inc (1) BFPM525 BURNTECH MORTAR
OPO-CHM		BURNTECH™ WOOD STORAGE CABINET AND PIZZA OVEN SUPPORT PLATFORM Raises Pizza Oven 22"H
<b>Accessories</b>		
BFPM525	50 LBS.	BUCKET BURNTECH™ FIREPLACE MORTAR
BFP4-AK	4"	COMBUSTION AIR KIT FOR BURNTECH™ FIREPLACE- Inc 3' Flexible Vent and Galvanized ExteriorHood
BFP115-SS		TENSION STRAPS FOR 33,39,43,44,49 BURNTECH™ FIREPLACE KITS (Nuts, Bolts, Washers Included)
BFP116-SS		TENSION STRAPS FOR 63" BURNTECH™ FIREPLACE KIT- (Nuts, Bolts, Washers Included)
BFP-ARC		MASONRY ARCH - FOR 33,39,43,44,49 BURNTECH™ FIREPLACE KITS
BFP-DCBKT		DAMPER CHAIN BRACKET For use with ANCHOR PLATE/DAMPER COMBO or TOP DAMPERS
BAP-IG	24" x 18" x 1"	ANCHOR PLATE HEAT RATED INSULATION GASKET- For use with all ANCHOR PLATES
SBK-AB8		PACKAGE OF (8) BRACKETS FOR METAL BASE KITS
<b>Anchor Plates</b>		
AP-AC12	*12"	AIR COOLED ANCHOR PLATE NO DAMPER <i>(For use with Air Cooled Chimney only)</i>
AP-AC14	*14"	AIR COOLED ANCHOR PLATE NO DAMPER <i>(For use with Air Cooled Chimney only)</i>
APD-AC12	*12"	AIR COOLED ANCHOR PLATE WITH BUILT IN DAMPER <i>(For use with Air Cooled Chimney only)</i>
APD-AC14	*14"	AIR COOLED ANCHOR PLATE WITH BUILT IN DAMPER <i>(For use with Air Cooled Chimney only)</i>
BV-10DH	*10"	ANCHOR PLATE/DRAFT HOOD - USE WITH B-VENT FIREPLACES ONLY
BV-12DH	*12"	ANCHOR PLATE/DRAFT HOOD - USE WITH B-VENT FIREPLACES ONLY
<i>*ALL ANCHOR PLATES REQUIRE HEAT RATED INSULATION GASKET AND HIGH TEMP CAULK (SOLD SEPERATELY)</i>		



<b>MODEL#</b>	<b>(Width x Height)</b>	<b>Description of Product</b>
<b>Dampers</b>		
FPD-48	48"	CAST IRON DAMPER - For TFS63 with Damper Blocks and Masonry Chimney (SOLD SEPERATELY)
FPD-42	42"	CAST IRON DAMPER - For TFS49 with Damper Blocks and Masonry Chimney (SOLD SEPERATELY)
FPD-36	36"	CAST IRON DAMPER - For TFS44, TFS43-ST with Damper Blocks and Masonry Chimney (SOLD SEP.)
FPD-30	30"	CAST IRON DAMPER - For TFS39 with Damper Blocks and Masonry Chimney (SOLD SEPERATELY)
FPD-24	24"	CAST IRON DAMPER - For TFS33 with Damper Blocks and Masonry Chimney (SOLD SEPERATELY)
<b>Masonry Damper Blocks</b>		
DB-48		DAMPER BLOCK - For use with the TFS63 And 48" CAST IRON DAMPERS - (SOLD SEPERATELY)
DB-42		DAMPER BLOCK - For use with the TFS49 And 42" CAST IRON DAMPERS - (SOLD SEPERATELY)
DB-36		DAMPER BLOCK - For use with the TFS44 And 36" CAST IRON DAMPERS - (SOLD SEPERATELY)
DB-30		DAMPER BLOCK - For use with the TFS39 And 30" CAST IRON DAMPERS - (SOLD SEPERATELY)
DB-24		DAMPER BLOCK - For use with the TFS33 And 24" CAST IRON DAMPERS - (SOLD SEPERATELY)
<b>Metal Base Kits</b> <i>For Raise Hearth Applications</i>		
BK63	8"	STRUCTURAL METAL BASE KIT FOR 63" BURNTTECH™ FIREPLACE KITS
BK49	6"	STRUCTURAL METAL BASE KIT FOR 49" BURNTTECH™ FIREPLACE KITS
BK44	6"	STRUCTURAL METAL BASE KIT FOR 44" BURNTTECH™ FIREPLACE KITS
BK43	8"	STRUCTURAL METAL BASE KIT FOR 43" BURNTTECH™ FIREPLACE KITS
BK39	6"	STRUCTURAL METAL BASE KIT FOR 39" BURNTTECH™ FIREPLACE KITS
BK33	6"	STRUCTURAL METAL BASE KIT FOR 33" BURNTTECH™ FIREPLACE KITS
<i>STRUCTURAL METAL BASE KITS Include Insulation Blanket, Hearth Ember Protector, Brackets and Hardware</i>		
<b>Firebox Kits</b> <i>Brick Firebox Kit Consist of 2 Sidewalls 1 Backwall and 1 Interior Hearth Floor</i>		
FBK63SHB	63"	BURNTTECH™ FIREPLACE SPLIT HERRINGBONE FIREBOX KIT
FBK63FRB	63"	BURNTTECH™ FIREPLACE FULL SIZE RUNNING BOND FIREBOX KIT
FBK49SHB	49"	BURNTTECH™ FIREPLACE SPLIT HERRINGBONE FIREBOX KIT
FBK49FRB	49"	BURNTTECH™ FIREPLACE FULL SIZE RUNNING BOND FIREBOX KIT
FBK44SHB	44"	BURNTTECH™ FIREPLACE SPLIT HERRINGBONE FIREBOX KIT
FBK44FRB	44"	BURNTTECH™ FIREPLACE FULL SIZE RUNNING BOND FIREBOX KIT
FBK39SHB	39"	BURNTTECH™ FIREPLACE SPLIT HERRINGBONE FIREBOX KIT
FBK39FRB	39"	BURNTTECH™ FIREPLACE FULL SIZE RUNNING BOND FIREBOX KIT
FBK33SHB	33"	BURNTTECH™ FIREPLACE SPLIT HERRINGBONE FIREBOX KIT
FBK33FRB	33"	BURNTTECH™ FIREPLACE FULL SIZE RUNNING BOND FIREBOX KIT
FBK43SHB-ST	43"	BURNTTECH™ SEE-THRU FIREPLACE SPLIT HERRINGBONE FIREBOX KIT
FBK43FRB-ST	43"	BURNTTECH™ SEE-THRU FIREPLACE FULL SIZE RUNNING BOND FIREBOX KIT
<b>Masonry Chimney System</b> <i>Fireplace must have 14" Flue Opening</i>		
MCH814-8TS	8'	MASONRY CHIMNEY SYSTEM- (12) Sections: 14" I.D. x 8"H - Inc (1) MCH414-ILS
MCH414-4TS	4'	PATIO SYSTEM - 6 Sections: 14" I.D. x 8"H - Inc (1) MCH414-ILS
MCH-1CRSE		(1) 8"H CHIMNEY LINER COMPLETE. Includes (1) Chimney OuterLiner (1) Slimflue Chimney Inner Liner
MCH814-IL		SLIMFLUE MASONRY CHIMNEY INNER LINER (INDIVIDUAL) - 14" I.D. x 8"H
MCH814-OL		MASONRY CHIMNEY OUTER LINER (INDIVIDUAL) - 14" I.D. x 8"H
MCH414-ILS		SLIMFLUE MASONRY CHIMNEY INNER LINER (STARTER COURSE) - 14" I.D. x 4"H
MCH814-BL		MASONRY CHIMNEY BRICK LEDGE - 14" I.D. x 4"H
MCH814-OS		MASONRY CHIMNEY OFFSET ELBOW (30 DEGREES) - 14" I.D. x 4"H
<b>Height Extension Kits</b> <i>Includes (1) Rear Wall and (2) Side Walls</i>		
HEK63	8"	Tall HEIGHT EXTENSION KIT FOR 63" BURNTTECH™ FIREPLACE
HEK49	8"	Tall HEIGHT EXTENSION KIT FOR 49" BURNTTECH™ FIREPLACE
HEK44	8"	Tall HEIGHT EXTENSION KIT FOR 44" BURNTTECH™ FIREPLACE
HEK39	8"	Tall HEIGHT EXTENSION KIT FOR 39" BURNTTECH™ FIREPLACE
HEK33	8"	Tall HEIGHT EXTENSION KIT FOR 33" BURNTTECH™ FIREPLACE
HEK43-ST	8"	Tall HEIGHT EXTENSION KIT FOR 43" SEE-THRU BURNTTECH™ FIREPLACE
<b>Outdoor Fire Pits</b>		
BOFP16-48	48"	ROUND FIRE RING 2 COURSES TALL WITH CAP (18" TALL)
BOFP24-48	48"	ROUND FIRE RING 3 COURSES TALL WITH CAP (26" TALL)
BOFP-48		BURNER FOR 48" FIRE RING - NATURAL GAS WITH BLACK VOLCANIC ROCK
BOFP-48		BURNER FOR 48" FIRE RING - PROPANE GAS WITH BLACK VOLCANIC ROCK
<i>Fire Rings do <u>not</u> come with a bucket of dry mortar—must be purchased separately</i>		

\*\*A 20% Restock fee will apply on all returned items. Returned Items must be in new condition with original packaging. All flue pipe and accessories can only be returned if packing is unopened from the original manufacturer packaging.

# Lifetime Limited Warranty

## Burntech® Fireplace Solutions

Burntech® Fireplace Solutions, Inc. warrants all Burntech® Fireplaces to be free from defects in materials that adversely affect fireplace performance for the lifetime of the product from the date of purchase, subject to the terms and conditions of this limited warranty. Burntech® Fireplace Solutions does not warrant accessory chimney, outside air ducts and devices not manufactured by Burntech® Fireplace Solutions.

This warranty covers only products manufactured by Burntech® Fireplace Solutions, specifically the modular masonry fireplace, and **NO WARRANTY, EXPRESS OR IMPLIED, EXTENDS TO ANY OF THE HARDWARE, FOUNDATION, VENTING, DUCTS, OR ACCESSORIES. THIS WARRANTY DOES NOT COVER DRAFTING, SMOKING, OR SOOTING OF THE FIREPLACE SYSTEM.** Factors beyond the manufacturer's control affect drafting, smoking, and sooting and Burntech® Fireplace Solutions cannot guarantee these aspects of performance.

Coverage under this warranty is subject to the following conditions and exclusions:

- This warranty is null and void when the fireplaces are not installed pursuant to the installation instructions provided by Burntech® Fireplace Solutions or local building codes have not been followed completely.
- Glass is warranted against thermal breakage only and only on models that are manufactured by Burntech® Fireplace Solutions with a glass front. On Direct Vent models the safety glass or safety screen must be kept in front of this glass when fireplace is in use. Safety screen must be used on all models when in use.
- This warranty does not apply to any component or part that shows evidence of misuse, abuse, improper installation, accident or lack of regular maintenance. Burntech® Fireplace Solutions is not responsible for misuse or mishandling of component parts.
- This warranty does not apply to any damage sustained to the appliance while in transit.
- Neither Burntech® Fireplace Solutions, nor any affiliate thereof, is responsible for any labor costs or indirect costs incurred for the replacement of defective components. Any covered component that, in our judgment, is defective shall be repaired, replaced or refunded at Burntech® Fireplace Solutions's option.
- Nothing in this warranty makes Burntech® Fireplace Solutions, or any affiliate thereof, liable in any respect for any injury or damage to the building or structure in which the fireplace has been installed or to the persons or property therein arising out of the use, misuse, or installation of properly manufactured Burntech® Fireplace Solutions products.
- The fireplace must be used in accordance with operating instructions. The grate or andirons must be installed when using the fireplace.

NEITHER Burntech® Fireplace Solutions, NOR ANY AFFILIATE THEREOF, SHALL BE HELD LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OR EXPENSES ARISING OUT OF THE USE OF THE FIREPLACE. ALL SUCH DAMAGES AND EXPENSES ARE HEREBY EXCLUDED. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

If a component is found to be defective under the terms of this warranty the party this warranty is extended shall, notify Burntech® Fireplace Solutions, 6520 Platt Ave #577, West Hills, CA 91307 in writing, by registered mail, within thirty (30) days following the discovery of the defect within the lifetime warranty period. The letter shall include proof of purchase and state the (1) date of purchase, model number and serial number ; (2) place of purchase; (3) address of installation; (4) name, address and phone number of the homeowner; and (5) a brief description of the defect.

This warranty applies only to those fireplaces installed in the continental United States, Alaska and Canada. If any part of this warranty is found to be unenforceable, the remaining parts shall remain in force and effect.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER WARRANTIES, TERMS OR CONDITIONS, EXPRESS OR IMPLIED EITHER IN FACT OR BY OPERATION OF LAW. Burntech® Fireplace Solutions HEREBY DISCLAIMS ALL GUARANTEES AND WARRANTIES, EXPRESS OR IMPLIED, BEYOND THE WARRANTIES SET FORTH HEREIN, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

### Burntech® Fireplace Solutions

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Main: (818)564-4253, Fax: (818) 564-4232

WWW.BURNTECH.COM

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