

2529-92

DEC 10 1992



CONSTRUCTION PERMIT APPLICATION

V. FEE SUMMARY (for office use only)

Update

1. Building
2. Electrical
3. Plumbing
4. Fire Protection
5. Other _____
6. Subtotal
7. Less 20% for
State Plan Review
8. Subtotal
9. DCA Training Fee
10. Subtotal
11. Cert. of Occupancy
12. Other _____
13. TOTAL

VI. BUILDING/SITE CHARACTERISTICS

(office use only)

1. Number of Stories _____
2. Height of Structure _____ ft.
3. Area—Largest Floor _____ sq. ft.
4. Building Area—All Floors _____ sq. ft.
5. Volume of Structure _____ cu. ft.
6. Construction Classification _____
7. Total Land Area Disturbed _____ sq. ft.
8. Flood Hazard Zone _____
9. Base Flood Elevation _____ ft.
10. Wetlands yes _____ sq. ft.
 no _____
11. Fire Grading _____
12. Max. Live Load _____
13. Max. Occupancy Load _____

II. PROPOSED WORK

1. ☐ Minor Work
(single trade)
2. ☐ Small Job (\$5,000
and no prior
approvals)
3. ☐ New Building
4. ☐ Addition
5. ☐ Alteration
6. ☒ Fire Protection
7. ☐ Plumbing
8. ☐ Electrical
9. ☐ Asbestos Abatement
10. ☐ Demolition

TOTAL COSTS

Est. Cost

fireplace

OPTIONAL (for office use only)[illegible]

III. DO YOU WANT: (optional) 1. ☐ Partial Releases 2. ☐ Prototype Processing

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

- | | | |
|---|--|---|
| 1. ☐ Elevators/Escalators/Lifts/
Dumbwaiters/Moving Walks | 3. ☐ Pressure Vessels | 6. ☐ Hazardous Uses/Places of Assembly |
| 2. ☐ High Pressure Boilers | 4. ☐ Refrigeration Systems | 7. ☐ Sprinklers |
| | 5. ☐ Cross-Connections/Backflow
Preventers | 8. ☐ Smoke Control Systems in Open Wells |
| | | 9. ☐ Underground Storage Tanks |

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL-

1. ☐ Hotels (R-1)
2. ☐ Multi-Family (R-2)
3. ☐ Two-Family (R-3) BOCA
4. ☐ Two-Family (R-4) CABO
5. ☒ One-Family (R-3) BOCA
6. ☐ One-Family (R-4) CABO

No of dwelling units:

Before Construction

After Construction

Net gain or loss _____

B. NON-RESIDENTIAL

1. State Specific Use:
2. Use Group:
3. Change in Use Group, Indicate Former:

CERTIFICATION IN LIEU OF OATH

I. OWNER SECTION (to be completed if the applicant is the owner in fee)

I hereby certify that I am the owner in fee of the property listed on Page 1.

Mark the following applicable boxes:

- A. ☐ I further certify that a new home (private residence) will be constructed on this property for my own use and occupancy. This dwelling is to be occupied by myself and is not to be used for any purpose other than single family residential use. I attest that all construction, plumbing, or electrical work will be done, in whole or in part, by me or by subcontractors under my supervision, in accordance with all applicable laws; and, I further acknowledge that said new home is not covered under the New Home Warranty and Builders Registration Act (N.J.S.A. 46:3B-1 et seq.) and that such fact shall be disclosed to any person purchasing this property within ten years of the date of issuance of a certificate of occupancy.

I UNDERSTAND THAT IN MARKING BOX A, I ACKNOWLEDGE THAT I AM ASSUMING RESPONSIBILITY FOR THE WORK DONE ON SAID PROPERTY, THE CONDITION OF THE PROPERTY PRIOR TO, DURING, AND AFTER ANY WORK PERFORMED, AND FOR THE PERFORMANCE OF THE SUBCONTRACTORS I HIRE, EMPLOY, OR OTHERWISE CONTRACT OR WITH WHOM I MAKE AGREEMENTS TO PERFORM WORK. I AM VOLUNTARILY AND KNOWINGLY ASSUMING THIS RESPONSIBILITY.

- B. ☐ I further certify the following as required by the New Jersey Uniform Construction Code, N.J.A.C. 5:23-2.15(e)1.vii:

I personally prepared the plans submitted for: 1) the new home referred to in A.; or, 2) an addition, alteration, renovation, or repair to an existing single family residence owned and occupied by myself and located on the property listed on Page 1; or, 3) a new structure that will be physically separate from, but that will be deemed part of, an existing single family residence that is owned and occupied by myself and located on the property listed on Page 1.

- C. ☐ I further certify that I will perform or supervise the following work:

C.1. ☐ Building C.2. ☐ Fire Protection

I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

- D. ☐ I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I understand that if any of the above statements are willfully false, I am subject to punishment.

Signature Marylin Morrison Date 12-10-92

II. AGENT SECTION

(to be completed if the applicant is not the owner in fee)

I hereby certify the following as required by the New Jersey Uniform Construction Code, N.J.A.C. 5:32-2.15(d): the proposed work is authorized by the owner in fee; and I have been authorized by the owner in fee to make this application as his agent.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I understand that if any of the above statements are willfully false, I am subject to punishment.

☐ Check if contractor.

Agent Name _____

Address _____

Telephone (_____) _____

Signature _____ Date _____

OFFICE DATE RECEIVED: _____

VIII. PRIOR APPROVALS CHECKLIST (office use only)	LOCAL APPROVAL		COUNTY APPROVAL		REGIONAL APPROVAL		STATE APPROVAL		COMMENTS
	Prelim. Initial	Final Date	Prelim. Initial	Final Date	Prelim. Initial	Final Date	Prelim. Initial	Final Date	
☐ Planning Board									
☐ Zoning Board									
☐ Sewer Authority									
☐ Water Authority									
☐ Fire Department									
☐ Police Department									
☐ Health Department									
☐ Soil Conservation									
☐ N.J. Dept. of Community Affairs									
☐ N.J. Department of Transportation									
☐ N.J. Dept. of Environmental Protect.									
☐ Utility Dig No.									
☐ Other									
☐									
☐									

IX. SUBCODES AND SPECIAL REGULATIONS APPLICABLE (office use only—optional)	
Name of Code & Edition	Name of Code & Edition
Building _____	Energy _____
Electrical _____	Barrier Free _____
Plumbing _____	Flood Hazard _____
Fire Protection _____	As Built Elevation Cert. _____
Mechanical _____	Other _____

X. CERTIFICATES ISSUED (office use only)	DATE EXPIRED
☐ Temporary Certificate of Occupancy	No. _____
☐ Temporary Certificate of Occupancy	No. _____
☐ Continued Certificate of Occupancy	No. _____
☐ Certificate of Occupancy	No. _____
☐ Certificate of Approval	No. _____
☐ None	No. _____



CONSTRUCTION PERMIT

Date Issued

Control #

Permit #

12/15/92

2529-92

IDENTIFICATION Block

446.13

Lot

2

Work Site Location

448 Cornell

Contractor

Address

Fireplace Unlimited

Owner in Fee

J. Morrison

Address

same

Tele. ()

Lic. No. or Bldrs. Reg. No.

Exp. Date

Tele. ()

Federal Emp. No.

or Social Security No.

is hereby granted permission to perform the following work:

☒ BUILDING☐ PLUMBING☐ OTHER☐ ELECTRICAL☐ FIRE PROTECTION

DESCRIPTION OF WORK:

fireplace

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work \$

1105

CONSTRUCTION OFFICIAL

U.C.C. Form F-170A

1 WHITE - OFFICE

2 CANARY - TAX ASSESSOR

3 PINK - JACKET

4 GOLD - APPLICANT

PAYMENTS (Office Use Only)

2529**

Building 15 BLOCK 1.00

Plumbing 446 #

Electrical LOT 1.00

Fire Protection 30 2 #

Other FIRE BUILDING 1.00

Other FIRE 30.00

DCA Training Fee PLAN ROW 1.00

Cert. of Occ. B.C.A. 1.00

Other C/O 2.00

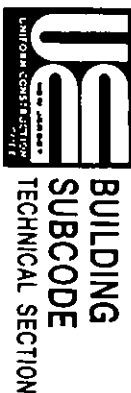
Total 7 TOTAL 7.00

Check No. 1 CHECK 7.00

Cash CHANGE 1.00

Collected By: 24

12/16/92 NO. 5 0026A005 16:42



Date Received
Date Issued
Control #
Permit #

12/15/92
25229-92

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 446.13 Lot 2
Work Site Location 448 CORNELL DRIVE
BRICK NJ 08723
Owner in Fee JOHN + MARYANN MORRISON
Address 448 CORNELL DRIVE
BRICK NJ 08723
Tele. [REDACTED]
Contractor FIREPLACES UNLIMITED
Address 1854 ROUTE 9
TOMS RIVER NJ 08755
Tele. (908) 444-1800
Lic. No. or Bids. Reg. No. _____
Federal Emp. No. _____ or Social Security No. _____

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPECTIONS	Dates (Month/Day)
			Type:	Failure Failure Approval Initial
☒ No. Plans Req.			Footings	
☒ All	12/11/92	AC	Foundation	
☐ Footings			Slab	
☐ Foundation			Frame	
☐ Frame			Insulation	
☐ Other			Finishes:	
Joint Plan Review Required:			Energy	
☐ Elec. ☐ Plumb. ☐ Fire			Mechanical	
SUBCODE APPROVAL			TCO	
☐ CO ☐ CCO ☐ CA			Other	
Date: _____			Final	
Approved By: _____				

B. BUILDING CHARACTERISTICS

Use Group Present 1.3 Proposed _____
Constr. Class Present _____ Proposed _____
No. of Stories _____
Height of Structure _____ Ft.
Area—Largest Floor _____ Sq. Ft.
Total Bldg. Area/All Floors _____ Sq. Ft.
Volume of Structure _____ Cu. Ft.
Total Land Area Disturbed _____ Sq. Ft.

Est. Cost of Bldg. Work:
1. New Bldg. \$ _____
2. Alteration \$ _____
3. Total (1+2) \$ _____

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Signature Maryann Morrison

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

FIREPLACE INSTALLED

(Office Use Only)

FEE

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

\$ _____

TYPE OF WORK:
☐ New Building
☐ Addition
☐ Alteration
☐ Roofing
☐ Siding
☐ Other _____
☐ Demolition
☐ Miscellaneous
☐ Fence _____ Height _____
☐ Sign _____ Sq. Ft. _____
☐ Pool _____
☐ Elevator _____
☐ Asbestos Abatement _____
☐ Other _____

Administrative Surcharge \$ _____

Minimum Fee \$ _____

TOTAL FEE \$ _____

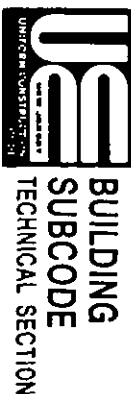
Paid ☐ Check # _____

Collected by: _____

U.C.C. Form F-110A

1 White—Inspector Copy
3 Pink—Office Copy

2 Canary—Office Copy
4 Gold—Applicant Copy



Date Received
Date Issued
Control #
Permit #

12/15/92
25229-92

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 446.13 Lot 2
Work Site Location 448 CORNELL DRIVE
Address BRICK N.T. 08723
Owner in Fee JOHN + MARYANN MORRISON
Address 448 CORNELL DRIVE
Address RD. 2 N.T. 08732
Tele. [REDACTED]
Contractor FIREPLACES UNLIMITED
Address 1854 ROUTE 9
Address DOMS RIVER N.T. 08735
Tele. (908) 444-1820
Lic. No. or Bids. Reg. No. _____
Federal Emp. No. _____ or Social Security No. _____

JOB SUMMARY (Office Use Only)		PLAN REVIEW		Date		Initial		INSPECTIONS		Type:		Failure		Failure		Approval		Initial	
☐	No Plans Req.																		
☒	All																		
☐	Footing																		
☐	Foundation																		
☐	Frame																		
☐	Other																		
Joint Plan Review Required:																			
☐	Elec.	☐	Plumb.	☐	Fire														
SUBCODE APPROVAL																			
☐	CO	☐	CCO	☐	CA														
Date:																			
Approved By:																			

B. BUILDING CHARACTERISTICS

Use Group Present 1.3 Proposed _____
Constr. Class Present _____ Proposed _____
No. of Stories _____ Ft.
Height of Structure _____ Ft.
Area—Largest Floor _____ Sq. Ft.
Total Bldg. Area/All Floors _____ Sq. Ft.
Volume of Structure _____ Cu. Ft.
Total Land Area Disturbed _____ Sq. Ft.

Est. Cost of Bldg. Work:
1. New Bldg. \$ _____
2. Alteration \$ _____
3. Total (1+2) \$ _____

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Signature Marcella Morrison

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

FIREPLACE INSTALLED

TYPE OF WORK:		(Office Use Only)	
☐	New Building		\$
☐	Addition		\$
☐	Alteration		\$
☐	Roofing		\$
☐	Sliding		\$
☐	Other		\$
☐	Demolition		\$
☐	Miscellaneous		\$
☐	Fence	Height	\$
☐	Sign	Sq. Ft.	\$
☐	Pool		\$
☐	Elevator		\$
☐	Asbestos Abatement		\$
☐	Other		\$

Paid ☐ Check # _____ Minimum Fee \$ _____
Collected by: _____ TOTAL FEE \$ _____



**FIRE PROTECTION
SUBCODE
TECHNICAL SECTION**



Date Received
Date Issued
Control #
Permit #

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANG-
ING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

12/15/92
2529-92

Block 446.13 Lot 2
Work Site Location 448 CORNELL DRIVE
Owner BRICK, JOHN + MARYANN MORRISON
Address 448 CORNELL DRIVE
R.D. 2
Tele. [REDACTED]
Contractor FIREPROTECT UNLIMITED
Address 1854 ROUTE 9
Tele. 708 244-1800
Lic. No. [REDACTED] or Social Security No. [REDACTED]
Federal Emp. No. [REDACTED]

B. FIRE PROTECTION CHARACTERISTICS

Use Group Present R-3 Proposed _____
Constr. Class. Present _____ Proposed _____
Heating Systems [] New [] Existing
Type: [] Gas [] Oil [] Electrical [] Solar
[] Other _____
Location: _____
Total Est. Cost of Fire Prot. Work \$ _____ [] Other _____

JOB SUMMARY (Office Use Only)

PLAN REVIEW:	INSPECTIONS:	Dates (Month/Day)
[] No Plans Required	Type:	Failure Failure Approval Initial
[] Bldg. [] Plumb. [] Elec.	Suppression Test	
[] Fire Plans Approved	Fire Alarm Test	
Date: <u>12-11-92</u>	Smoke Test	
Approved by: <u>[Signature]</u>	Mechanical	
SUBCODE APPROVAL:	TCO	
[] CO [] CCO [] CA	Other	
Date: _____	Other	
Approved by: _____	Other	

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of
record and am authorized to make this application.

[Signature]
SIGNATURE

D. TECHNICAL SITE DATA

Description of Work

Fireplace Installed

Water Supply Source	_____
Method of Valve Supervision	_____
Local Alarm Supervision	_____
Central Supervision	_____
Proprietary Supervision	_____
Flammable Liquid Storage Tanks	() Capacity _____ Fuel _____
Combustible Liquid Storage Tanks	() Capacity _____ Fuel _____
L.P.G. Storage Tanks	() Capacity _____ Fuel _____
L.N.G. Storage Tanks	() Capacity _____ Fuel _____

Wet Sprinkler Heads
Dry Sprinkler Heads
TOTAL

Number

FEE (Office Use Only)

Smoke Detectors
Heat Detectors
TOTAL

Stand Pipes
Kitchen Hood Exhaust Systems

Pre-Engineered Systems

CO₂ Suppression
Halon Suppression
Foam Suppression
Dry Chemical
Wet Chemical

Gas or Oil Fired Appliance
OTHER Fireplace

Administrative Surcharge \$ _____
Paid [] Check # _____ Minimum Fee \$ _____
Collected by _____ TOTAL FEE \$ _____

1854 US ROUTE 9
TOMS RIVER, NJ 08755
908-244-1800



INSTALLATION INSTRUCTIONS

INTRODUCTION

Before beginning the installation of your fireplace, read these instructions through completely.

These FMI components and fireplace are safe when installed according to this Installation Manual. Unless you use FMI components which have been designed and tested for the fireplace systems, you may cause a fire hazard.

The FMI warranty will be voided by, and FMI disclaims any responsibility for the following actions:

- Modification of the fireplace, components, doors, air inlet system and the damper control.
- Use of any component part not manufactured or approved by FMI in combination with FMI fireplace systems.

WARNING: DO NOT USE A FIREPLACE INSERT FOR USE WITH THIS FIREPLACE.

PROPER INSTALLATION is the most important step in ensuring safe and continuous operation of this fireplace. Consult the local building codes as to the particular requirements concerned with the installation of all factory built fireplaces. Although grounding may not be required by code it is recommended by the manufacturer.

THIS FIREPLACE IS NOT INTENDED TO BE USED AS A SUBSTITUTE FOR A FURNACE TO HEAT AN ENTIRE HOME. USE FOR SUPPLEMENTARY HEATING ONLY.

MINIMUM CLEARANCES TO COMBUSTIBLES:

Framing and enclosures may safely make direct contact with the spacers on the top of the fireplace. The fireplace may sit directly on combustible flooring. The fireplace opening must not be less than 14 inches from a combustible perpendicular side wall. A 2-inch minimum air space clearance between combustible materials and the chimney must be absolutely maintained. A 16½ inch inside chase dimension is recommended as a minimum size. A ¾ inch air space required around back and sides of fireplace.

PROTECTIVE WALL SHIELD

The distance from the fireplace opening to a perpendicular side wall may be reduced to 3 inch provided a FMI PWS-36 is installed. See PSW-36 installation instructions for proper installation.

WARNING: DO NOT PACK REQUIRED AIR SPACES WITH INSULATION OR OTHER MATERIALS.

HEIGHT: The minimum height of the chimney, measured from the base of the fireplace to the flue gas outlet, is 14 feet for straight flues or a flue with one elbow set. For systems with 2 elbow sets, the minimum height is 22 feet. The maximum height of any system is 60 feet. This measurement includes the fireplace, chimney sections and the effective height of the termination assembly.

INSTALLING THE FIREPLACE:

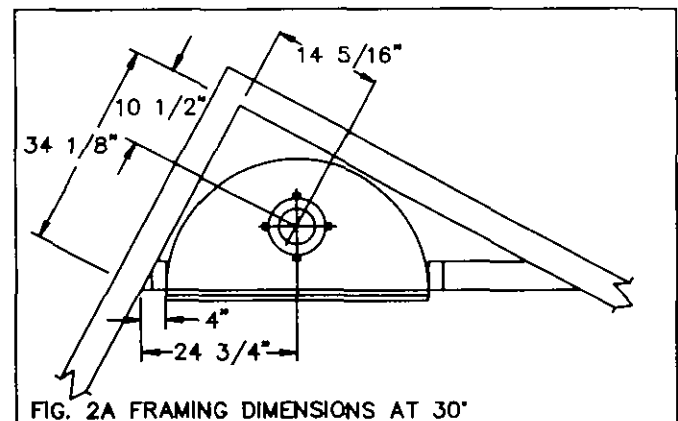
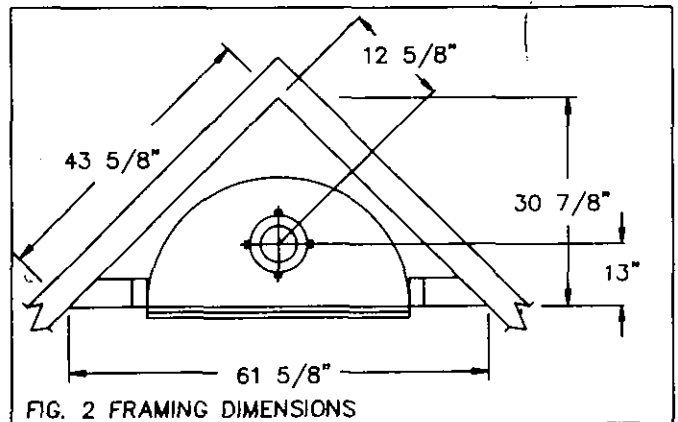
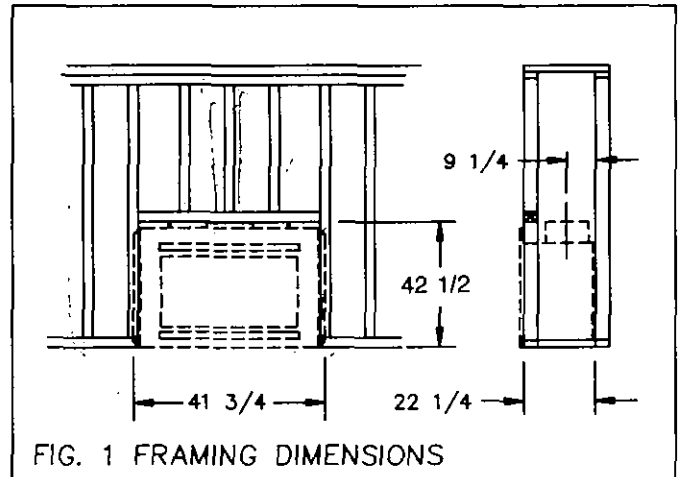
STEP 1: Frame the opening for the fireplace using the dimensions shown in FIG. 2 or FIG.2A.

STEP 2: Set the fireplace directly in front of this opening and slide the unit back until the mounting flanges touch the side framing.

STEP 3: Check the level of the fireplace and shim with sheet metal if necessary.

STEP 4: When the fireplace is installed upon a combustible floor a galvanized sheet ember protector must be installed between the fireplace and the hearth extension as illustrated in FIG.13.

STEP 5: Secure the fireplace to the framing through the flanges located on the sides on the fireplace with 8 penny nails.



ASSEMBLING AND INSTALLING YOUR DOUBLEWALL CHIMNEY SYSTEM

Each double wall chimney section consists of an outer pipe, flue pipe and one wire spacer. The pipe sections are not unitized and must be assembled independently as the chimney is installed. When starting the chimney directly on the fireplace, the flue pipe section must be installed first, with the flared end with lances up. The outer pipe section can then be installed over the flue pipe section with the hemmed end up. (SEE FIG.3A)

Press down on each pipe section until the lances on the lower end securely engage the knurl on the fireplace starting collar. The wire spacer will assure the proper spacing between the inner and outer pipe sections.

WARNING: THE OPENINGS IN THE COLLAR AROUND THE BASE OF THE CHIMNEY AT THE TOP OF THE FIREPLACE MUST NOT BE OBSTRUCTED, NEVER USE BLOWN INSULATION TO FILL THE CHIMNEY ENCLOSURE. (SEE FIG.3B)

Continue to assemble chimney sections as outlined above, making sure that both inner and outer pipe sections are locked together. When installing double wall "snap lock" chimney together, it is important to assure the joint between the chimney sections are locked. Check by pulling chimney upward after locking. The chimney will not come apart if properly locked. It is not necessary to add screws to keep the chimney together.

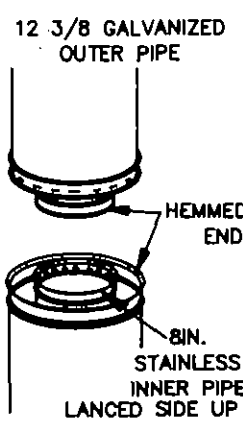
LINEAL GAIN: THE ACTUAL MEASURABLE LENGTH OF A PART AFTER TWO OR MORE PARTS ARE CONNECTED.	LINEAL GAIN		
	PART NO.	DESCRIPTION	GAIN (IN.)
	36ECI	FIREPLACE	42
	12-8DM	PIPE SECTION	10 5/8
	18-8DM	PIPE SECTION	16 5/8
	36-8DM	PIPE SECTION	34 5/8
	48-8DM	PIPE SECTION	46 5/8
	RTL 8DM	ROUND TERMINATION	6
	ETL 8DM	CHASE TERMINATION	1 TO 12

FIG. 3A

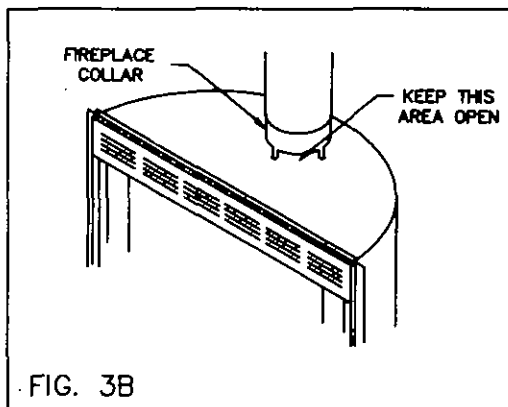
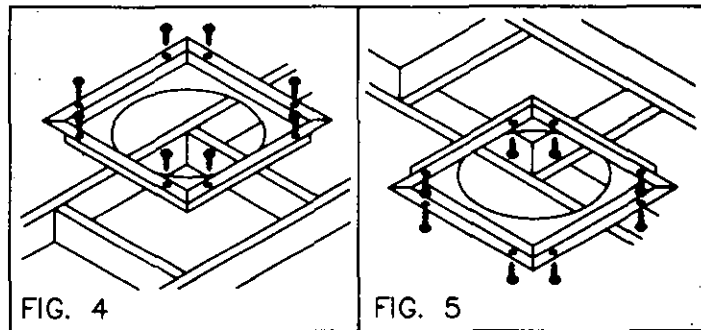


FIG. 3B



FIRESTOP SPACERS:

Firestop spacers are required at each point where the chimney penetrates a floor or ceiling joist space. Their purpose is two fold, they establish and maintain the required clearance between the chimney and combustible materials.

They also provide complete separation from one floor space to another floor or attic space as required by most codes. When penetrating a floor or ceiling at an angle PART 30 FS-8DM firestop should be used.

When the double wall pipe passes through a framed opening into an attic space, the firestop must be placed into the attic floor as in FIG.4. When the pipe passes through a framed opening into a living space above, the firestop must be placed onto the ceiling from below as in FIG.5.

SUPPORT SECTIONS:

The chimney support section is a 12 inch length double wall pipe with 4 straps. A chimney support is required every 30 feet above the fireplace after a straight chimney run, or above a return elbow after a straight chimney run (FIG.6). This support is designed to relieve the extra weight load on the fireplace and elbows when high chimneys are installed.

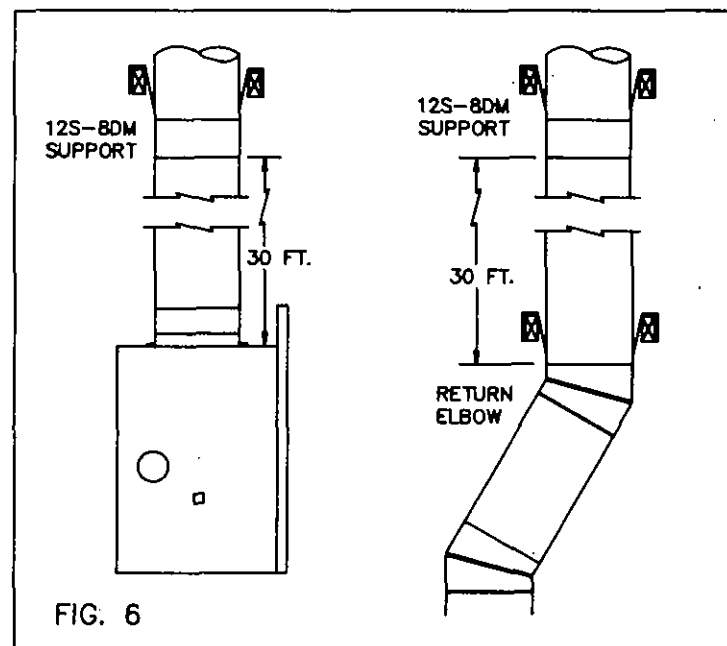


FIG. 6

INSTRUCTIONS WHEN OFFSET OF CHIMNEY IS NEEDED TO INSTALL ELBOWS

1. To achieve desired offset, you may install combinations of 12 inch, 18 inch, 36 inch, 48 inch lengths of double wall pipe (see single offset chart and FIGS. 7 & 9).
2. Chimney weight above offset rests on return elbow. Straps must be securely nailed to rafters or joists (See FIG. 8 details A & B).
3. Maximum length of pipe between supports (return elbow or 12S-8DM) is 6 feet of angled run. Maximum of two (2) 6 feet angled run sections per chimney system (FIG. 9).

PENETRATING THE ROOF:

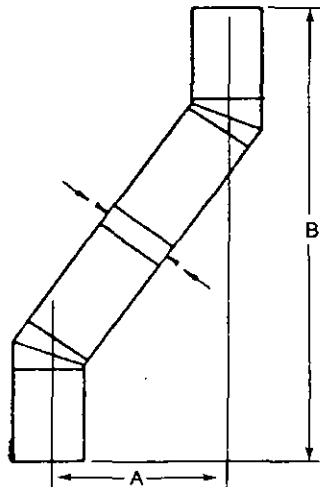
To maintain a 2 inch clearance to the pipe on a roof with a pitch a rectangular opening must be cut.

STEP 1: Determine the center point through which the pipe will penetrate the roof.

STEP 2: Determine the pitch of the roof. Pitch is the distance the roof drops over a given span, usually 12 inches. A 6/12 pitch means that the roof drops 6 inches for each 12 inches one measures horizontally down the roof.

STEP 3: From the center point determined in STEP 1, measure an opening 17 1/4 inches wide (8 7/8 inches to each side of the center point). For a roof pitch between 0/12 (flat) and 6/12 measure an opening 21 inches long (10 1/2 inches above and below the center point). 6/12 to 12/12 pitches: Measure 26 inches (13 above and below) 12/12 and 18/12 pitches: Measure 32 1/2 inches (16 1/4 above and below) 18/12 to 24/12 pitches: Measure 40 inches (20 above and below).

FIG. 7



All joints between offset shall be secured with two screws, only on the outer pipe, and shall not penetrate the inner stainless.

RISE AND OFFSETS

A	B	48	36	18	12	A	B	48	36	18	12	12S
4 3/8	16 3/8					41 1/4	80 1/4		1	1	1	1
9 3/4	25 1/2				1	45	86 3/4		2			1
12 3/4	30 3/4			1		46 3/4	89 1/2	1		1	1	1
15	34 3/4				2	51	97	1	1			1
18	40			1	1	53 1/4	101		2	1		1
21 1/4	46 1/4		1			56 1/4	106 1/4	2				1
23 3/4	49 1/4			1	2	59 1/4	111 1/2	1	1	1		1
27 3/4	56 3/4	1				61 3/4	115 1/2	2			1	1
30	60 3/4		1	1		64 3/4	120 3/4	2		1		1
33	66	1			1	68 1/4	127	1	2			1
36	71	1		1		70	130	2		1	1	1
38 1/4	75		2			74 1/4	137 1/2	1	2		1	1
						76 3/4	141 1/2	1	2	1		1
						79 3/4	146 3/4		4			1

NOTE: ANY OFFSET GREATER THAN 6 FEET MUST USE A 12S-8DM.

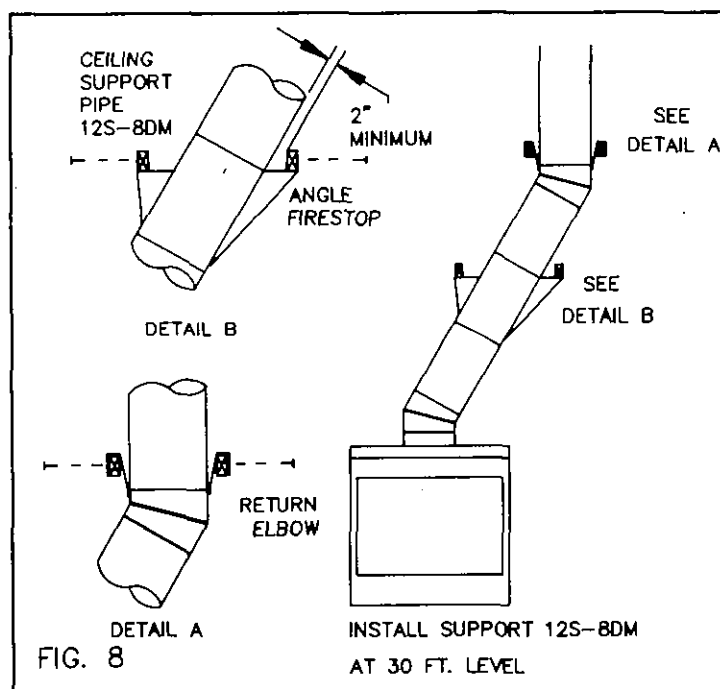


FIG. 8

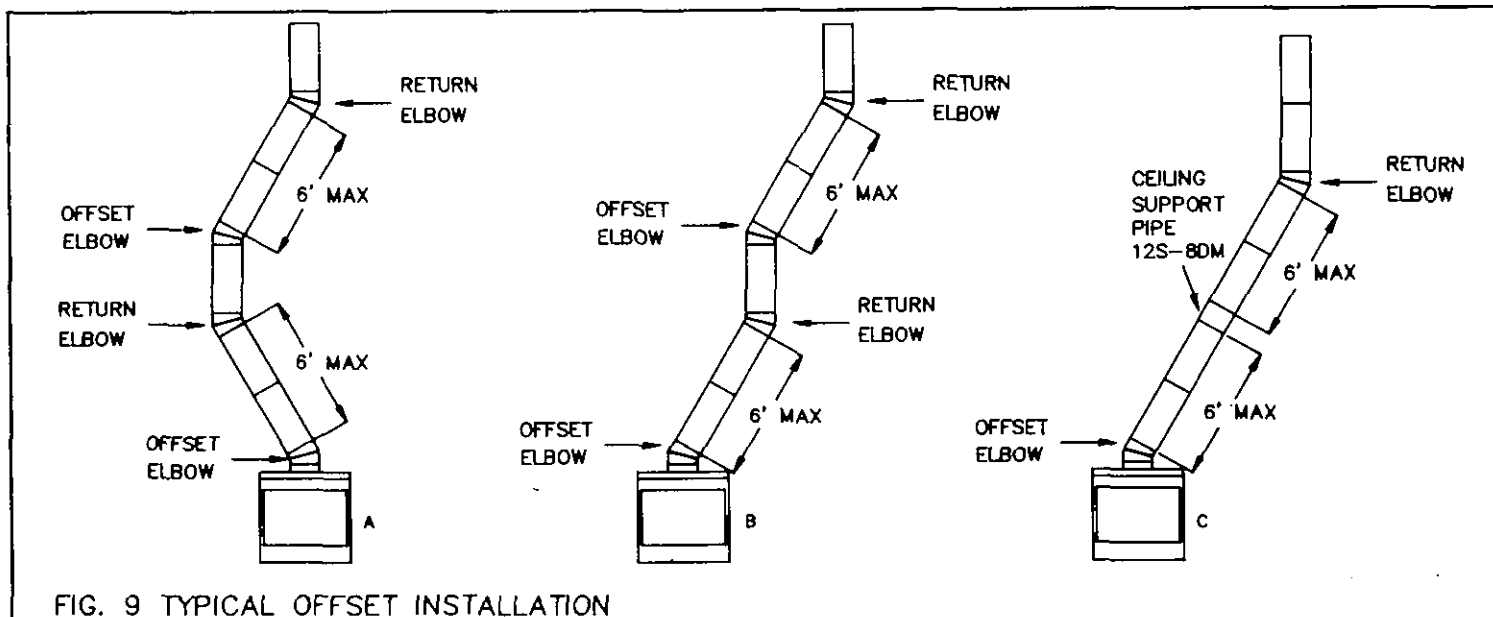


FIG. 9 TYPICAL OFFSET INSTALLATION

STEP 4: Remove the shingles around the opening measured and cut out this section.

STEP 5: Add the next sections of the pipe until the end penetrates the roof line. Check to see that proper clearances are maintained. Extend chimney by adding sections of double wall pipe until pipe is a minimum of 30 inches above highest point of roof cutout. Termination and chimney must extend a minimum of 36 inches above highest point where it passes through roof. See 10', 2' RULE (FIG. 10).

10 FOOT RULE

All chimney terminations must extend a minimum of 3 feet in height above the highest point where it passes through the roof and must be at least 2 feet above the peak of the roof if within a horizontal distance of 10 feet from the peak (See FIG. 10).

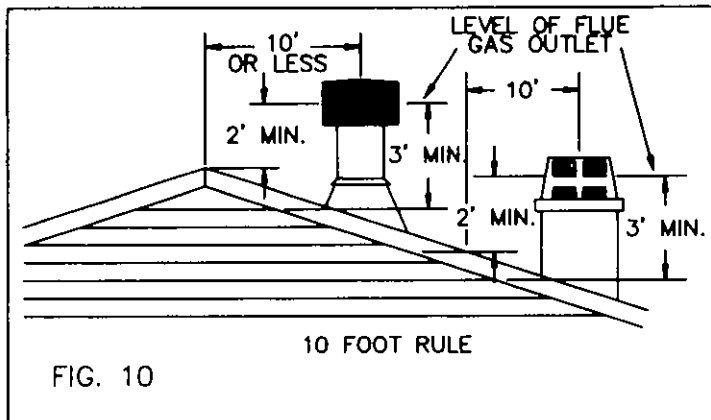


FIG. 10

TERMINATIONS:

The fireplace and chimney system must be vented to the out-of-doors and must be terminated with the listed round top or chase terminations. If a chase termination is desired, refer to the instructions supplied with the termination.

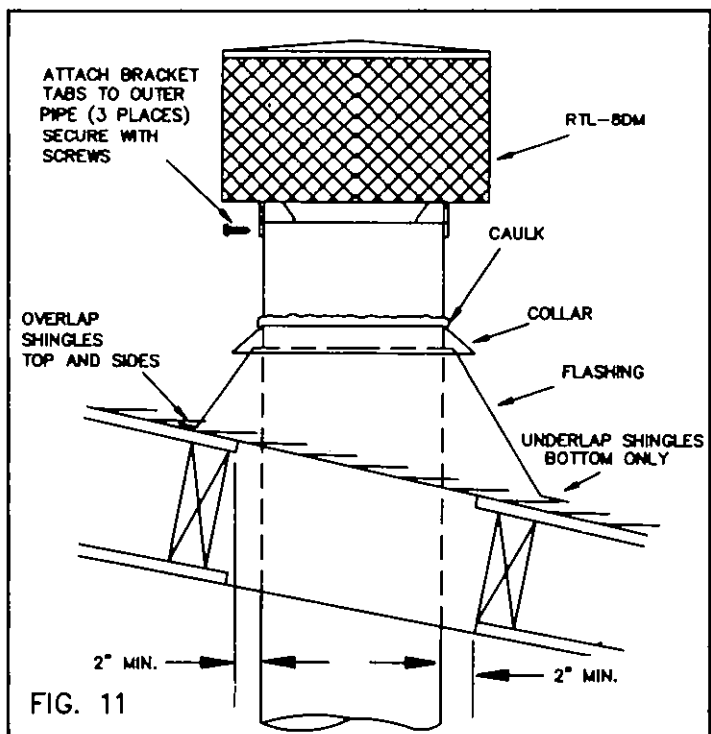


FIG. 11

FOR ROUND TOP TERMINATION:

STEP 1: Slide the flashing over the pipe (no firestop is needed at the roof level). Tack the flashing down at the top two corners with roofing nails. Lay tiles over the top and sides of the flashing and secure them to the roof through the flashing with the roof nails. Lay tiles under the lower edge and secure these to the roof. Mastic all nail heads.

STEP 2: Install storm collar on double wall chimney, apply waterproof caulking around flashing top and push storm collar down securely on sealer and flashing, (SEE FIG.11).

STEP 3: Place the RTL-8DM TERMINATION onto the pipe end as illustrated in FIG.11 and secure with screws provided.

IMPORTANT: If an exposed portion of chimney is greater than 5 feet above the roof line, use support wires to keep chimney secure. The support wires may be attached to the outer pipe of the chimney with screws, provided the screws are not long enough to penetrate the inner flue pipe.

CAUTION: Do not seal ventilation openings on the roof-top flashing. Follow the installation instructions provided with the termination being used.

IMPORTANT: Install gas line before finishing fireplace. If desired, a decorative gas appliance may be installed, use only iron pipe, 1/2 inch size, and appropriate fittings. When installing a gas line, a valve designed for installation outside the fireplace is recommended.

The gas line is intended only for connection to a decorative gas appliance only, in accordance with the National Fuel Gas Code ANSI Z223.1, and also (1) incorporating an automatic shutoff device and (2) complying with the Standard for Decorative Gas Appliances for installation in Vented Fireplaces, ANSI Z21.60.

To install the gas line, remove the gas line plug located in the side firebrick approx. 2 inch above the bottom. The plug must be tapped out from the finished side towards the unfinished side. See FIG.12A. Insert the gas line parallel to the face. Fill any gap between the gas line and the hole in the firebrick with refractory cement or commercial furnace cement. See FIG.12B.

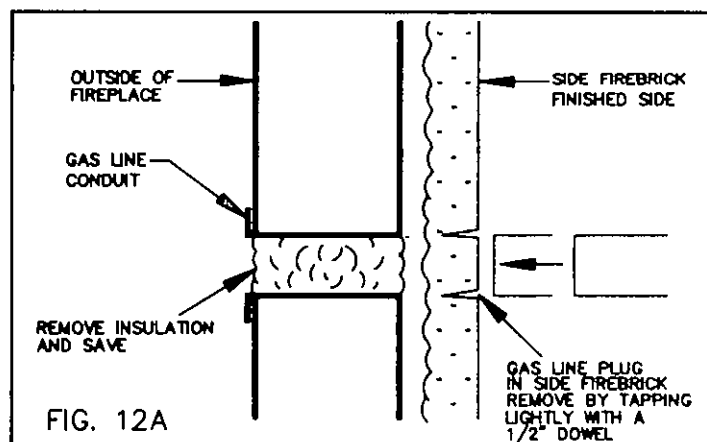


FIG. 12A

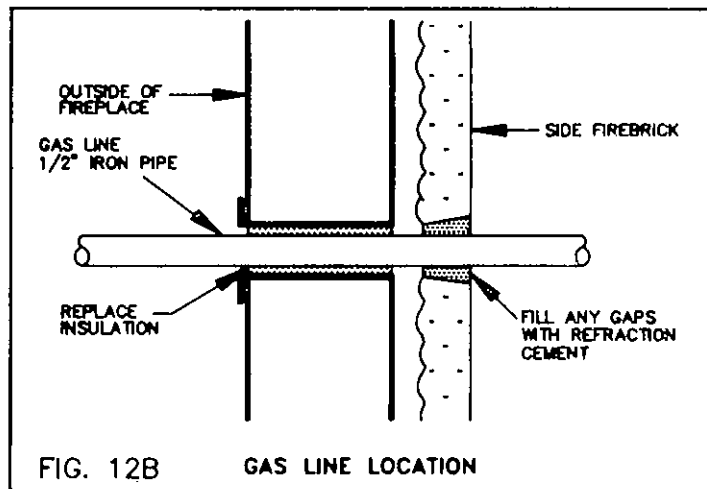


FIG. 12B

GAS LINE LOCATION

TEST FOR GAS LEAKS:

All gas piping and connections must be tested for leaks after the installation is completed. Be sure gas valve is turned on. Apply soap suds solution to all connections and joints. If bubbles appear, leaks can be detected and corrected. DO NOT use a match or open flame of any kind to test for leaks. Never operate any appliance with leaky connections.

CAUTION: WHEN USING A DECORATIVE APPLIANCE, THE DAMPER MUST BE REMOVED OR PERMANENTLY LOCKED IN THE OPEN POSITION.

HEARTH EXTENSION:

A hearth extension projecting a minimum of 16 inches in front of and a minimum of 8 inches beyond each side of the fireplace opening is required to protect combustible floor construction in front of the fireplace. Use FMI hearth extension HE 36 or a layer of non-combustible inorganic material having a thermal conductivity of $k=0.84$ BTU IN./FT. SQ. HR F (or less) at 1" thick. For example, if the material selected has a K Factor of 0.25, such as glass fiber, then the following formula would apply: $0.25/0.84 \times 1" = .30$ thick. This must be covered by any non-combustible material such as tile, slate, brick, concrete, metal, glass, marble, stone, etc. Fasten the hearth extension to the floor to prevent shifting and seal the gap between the fireplace frame and hearth extension with a non-combustible material (SEE FIG.13).

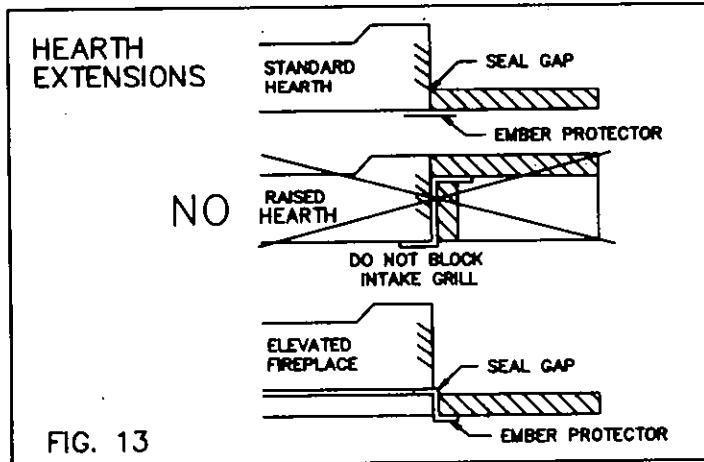


FIG. 13

WARNING: HEARTH EXTENSION IS TO BE INSTALLED ONLY AS ILLUSTRATED.

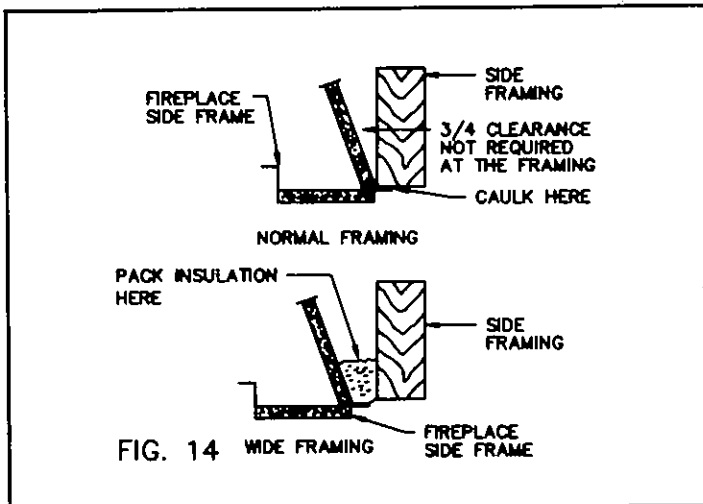


FIG. 14

FIREPLACE ENCLOSURE: COLD WEATHER CLIMATE

Before finishing the enclosure around the fireplace, inspect all joints around the fireplace. Any gaps between the nailing flanges and the framing should be sealed with non-combustible insulation or caulking. Inspect the fireplace joints for possible gaps caused by shipping or mishandling during installation. These should be sealed with non-combustible materials. If the fireplace is mounted on a raised platform, insulate below the platform to prevent the entry of cold air through the fireplace bottom by means of conduction. The above steps are important, especially if the fireplace is installed in cold weather climate, SEE FIG.14.

COMBUSTIBLE AIR KIT (MODEL AK-4E)

An air kit is available for use with model 36ECII fireplace as an optional accessory. The outside air vent can be installed through an outside wall or a ventilated crawl space. A plaster ground is provided for use on unfinished walls prior to applying finish surface. Attach flex tube to air vent and air inlet tube. Seal with duct tape (SEE FIG. 15A).

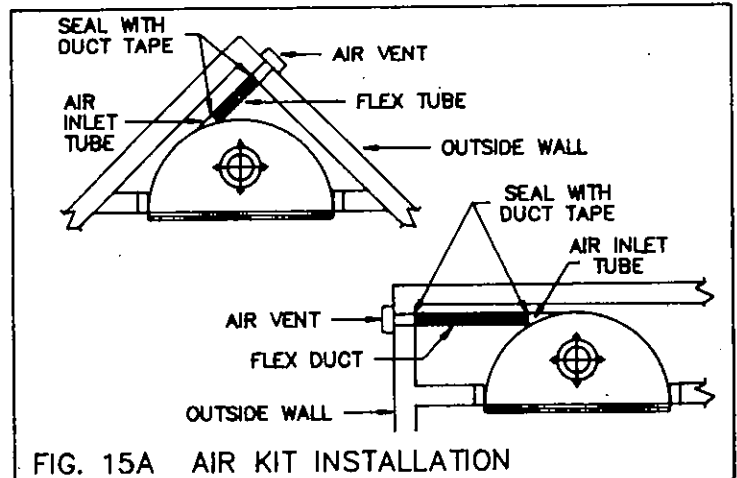


FIG. 15A AIR KIT INSTALLATION

CAUTION: AIR INLET DUCTS ARE NOT TO TERMINATE IN ATTIC SPACE.

Avoid installing outside air eyebrow in areas where inlet opening may be blocked by snow, bushes or other obstacles. Maximum height of air inlet above platform of fireplace is within 3 feet below the termination exhaust height.

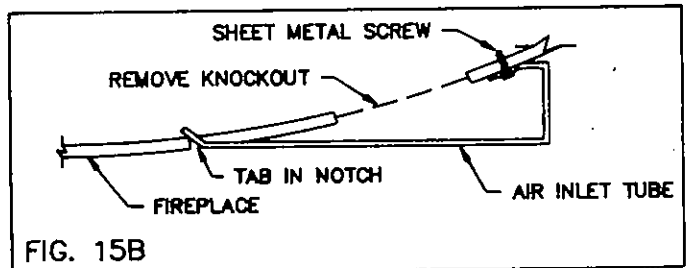


FIG. 15B

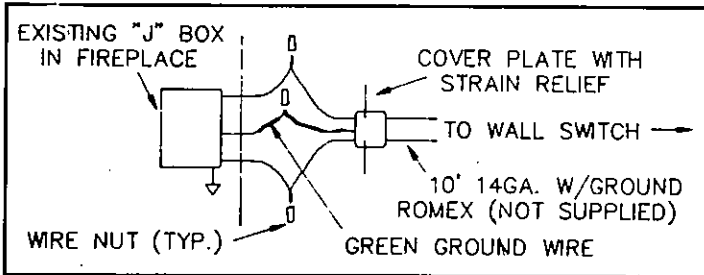
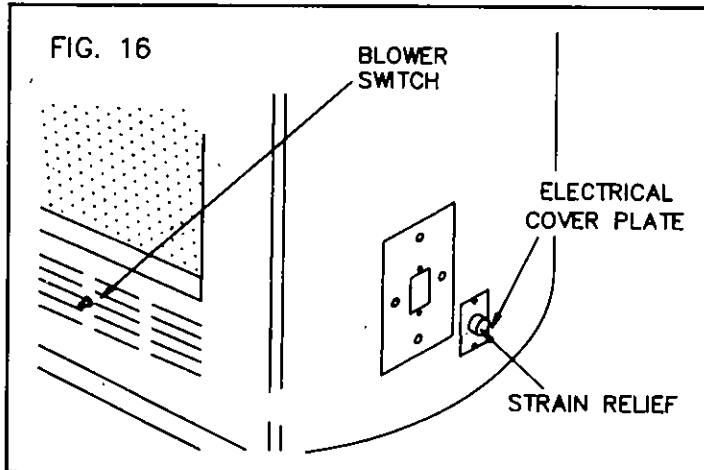
BLOWER ASSEMBLY

A blower assembly is available for use with this fireplace as an optional accessory. It is designed to be installed on FMI factory prewired fireplace only. The optional blower assembly model CBK-III can be installed prior to, or after installation of the fireplace. Use of blowers or fans other than those manufactured by FIREPLACE Mfg. Inc. voids the warranty

The optional blower is operated by a switch located on the lower face. Flipping the switch turns the blowers on or off.

NOTE: Fireplace must be wired to the house electrical system in order for the blowers to operate. This blower system does not require a wall switch. Refer to the CBK-III blower assembly installation instructions for details.

Electrical connections are made through the cover on the right side of the fireplace as illustrated in FIG. 16. Use 14 AWG copper wire for all connections. Be certain the fireplace is properly grounded to the green wire.



FINISHING YOUR FIREPLACE:

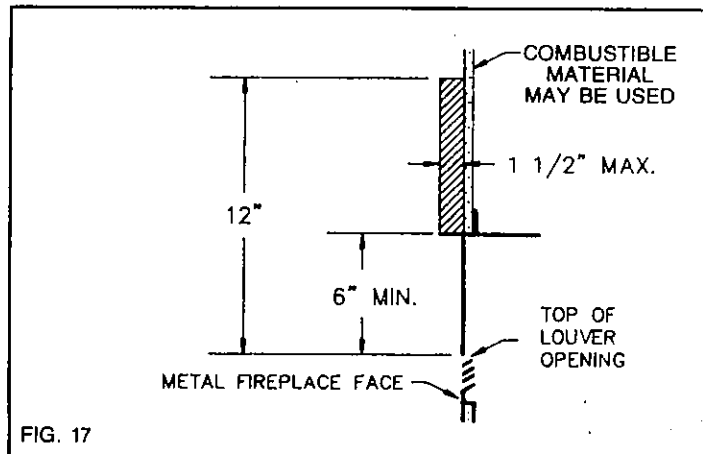
Combustible materials may make direct contact with the sides and the top of the fireplace face. It is important that combustible materials do not overlap the face itself. Brick, tile or other non-combustible materials may be applied to the face provided that any gap between the material around the fireplace opening be caulked to prevent the seepage of combustible products.

CAUTION: DO NOT COVER UP THE FACE LOUVERS TOP AND BOTTOM.

MANTLE:

A mantle may be installed if desired. SEE FIG. 17 for minimum heights above and beyond opening of fireplace face.

Woodwork, such as wood trim and mantels, and other combustible material, shall not be placed within 6 inches of a fireplace opening. Combustible material above and projecting more than 1 1/2 inches from a fireplace opening shall not be placed less than 12 inches from the top of the fireplace opening. NFPA STANDARD 211, Section 7-3.3.3.

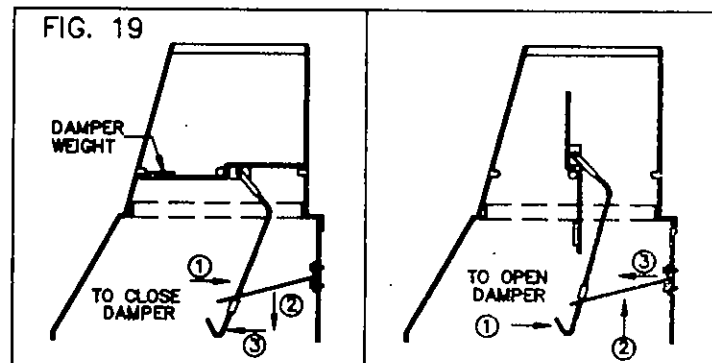


DAMPER OPERATION:

The flue gas damper is located inside the firebox similar to a conventional masonry fireplace. Look within the top of the fireplace and locate the damper handle extending from the damper. See FIG.19 for operating the damper. This can be easily accomplished with a fireplace poker.

WARNING: Risk of fire damage. When replacing grate, replace with FMI model 36 GR grate only.

FIRE: Use wood or when using decorative gas appliance use natural gas or propane only.



AIR KIT OPERATION:

The damper rod for the air kit is located inside the face opening, above the upper left top of the rear firebrick. Push the rod up to open the air intake, and down to close it. (SEE FIG. 18)

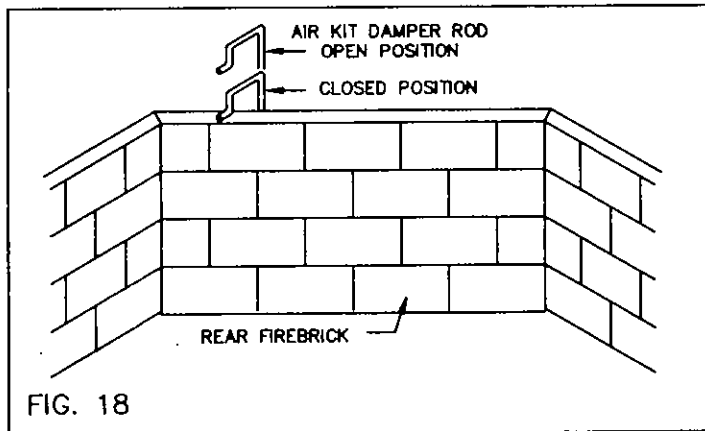
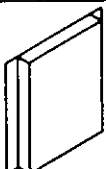
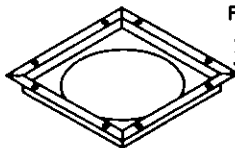
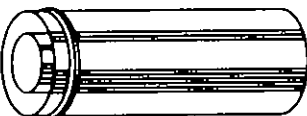
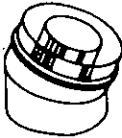
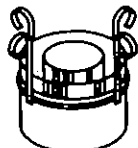
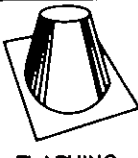
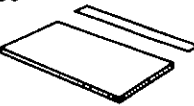
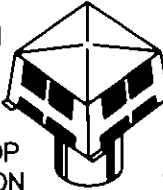
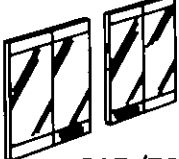
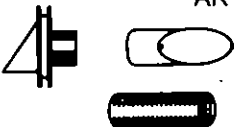
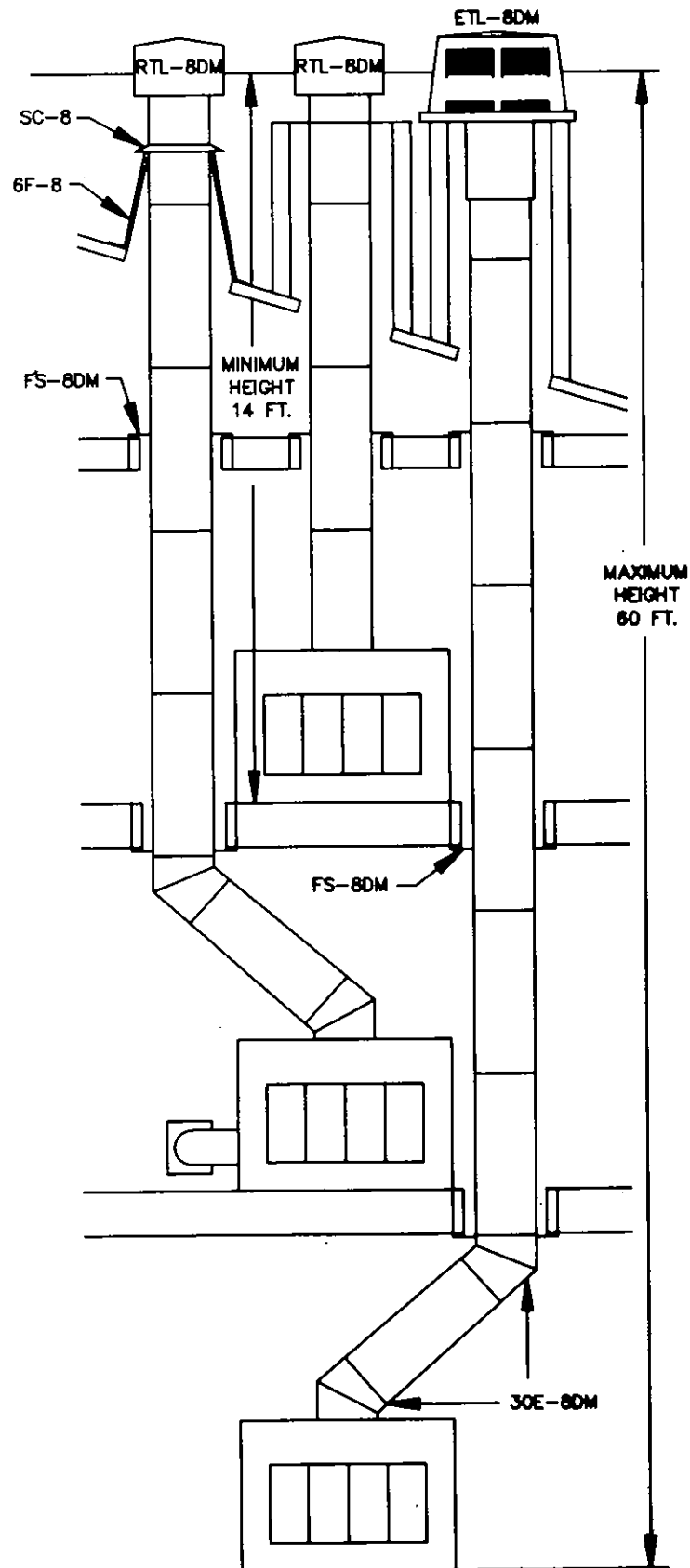


FIG. 18

 WALL SHIELD PWS-36	 FIRESTOP FS-8DM 30FS-8DM
 DELUXE BLOWER KIT CBK-III	
 FLUE PIPE 12-8DM 18-8DM 36-8DM 48-8DM	 36 GR
 ELBOW SET 30E-8DM	 SUPPORT PIPE 12S-8DM
 VSC-8 STORM COLLAR ROOF PITCH 6F8 0 TO 6/12	 FLASHING
 HEARTH EXTENSION HE-36	 Econo-TOP TERMINATION
 GLASS DOOR KIT G36E/EC DG36E/EC	 AIR KIT AK-4E

COMPONENT PARTS



JOHN + MARYANN MORRISON
448 CORNELL DR
BRICK, NJ 08723

FIREPLACE PLAN
REQUEST FOR PERMIT

