

Donna Belton

21-458

From: Sherese Bush <opra+request-21609-0e8c9e5e@requests.opramachine.com>
Sent: Thursday, April 08, 2021 12:49 PM
To: clerkforms
Subject: OPRA request - OPRA REQUEST-10 Greentree Court, Howell, NJ

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Dear Howell Township,

This is a request for public records made under OPRA and the common law right of access. I am not required to fill out an official form. Please acknowledge receipt of this message.

open/closed permits BL 144
10 Greentree Ct L 135.07

Records requested: The Buyer would like to ensure that all improvements and additions at the premises were performed with permits and met the Township's code requirements and approval certificate were issued. Please confirm if there was an oil tank removed from the subject premises. Please confirm if there are any future assessments, or penalties and open violations pending against the property.

Your attention and cooperation is greatly appreciated. The Buyer's due diligence expires in fourteen (14) days from today's date, therefore, your attention to this request is greatly appreciated. If you have any questions or concerns, please do not hesitate to contact me immediately.

Yours faithfully,

Closing Coordinator-Drescher & Cheslow, P.A.

Please use deliver records electronically via email to the below UNIQUE address for all replies to this request:

opra+request-21609-0e8c9e5e@requests.opramachine.com

2021 APR - 8 P 12:52
RECEIVED
TOWNSHIP OF HOWELL

Donna Belton

From: Janine Martuscelli
Sent: Thursday, April 08, 2021 2:50 PM
To: Donna Belton
Cc: Justin Meyer
Subject: RE: OPRA 21-458
Attachments: PLOT PLAN AND SEPTIC DESIGN.pdf; 01-1686.pdf; 03-1144.pdf; 06-1516.pdf; 06-1916.pdf; 07-1045.pdf; BLK144 - L135.07 CA HOT TUB-DECK-2021-04-08.pdf; BLK144 - L135.07 CA HWH,75 GALLONS-2015-20-03.pdf; BLK144 - L135.07 CA Inground Pool Pool Heater-2017-01-06.pdf; BLK144 - L135.07 CA REPLACE EXTERIOR CONDENSING UNIT-2020-12-07.pdf; CASE FILE 2003.pdf

Donna

Attached is requested info for the above. There are no open permits. This is for construction, land use and engineering

J

From: Donna Belton
Sent: Thursday, April 08, 2021 12:57 PM
To: Paul Orlando; Janine Martuscelli; Matthew Howard; Claire Petruzzella; Justin Meyer
Cc: Brian Geoghegan; Justin Yost
Subject: OPRA 21-458

Good Afternoon,

Attached please find OPRA 21-458 for your review. Please forward your findings to me no later than 4/19/2021.

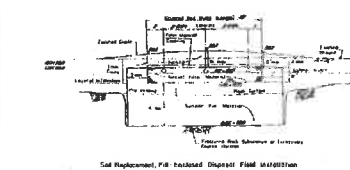
Thank you.

Regards,

Donna Belton
Administrative Assistant
Clerk's Office
4567 Route 9 North
Howell, NJ 07731
732-938-4500, ext. 2000
dbelton@twp.howell.nj.us

NOTICE OF CONFIDENTIALITY

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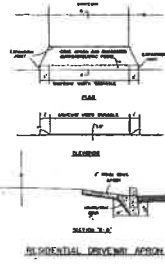
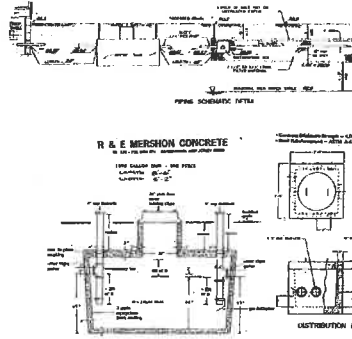
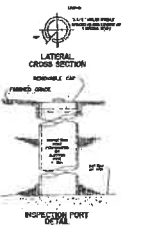


CONCLUSIONS

1. ALL PARTIES SHALL BE BOUND BY ANY WRITTEN AGREEMENT CONCERNING DISPUTE RESOLUTION, INCLUDING BUT NOT LIMITED TO, ARBITRATION, MEDIATION, OR CONCILIATION, ENTERED INTO BY A PARTY AND ITS PREDECESSOR, SUCCESSOR, OR AFFILIATE.
2. IF ANY DISPUTE OR CONTROVERSY BETWEEN THE PARTIES OR BETWEEN A PARTY AND ITS PREDECESSOR, SUCCESSOR, OR AFFILIATE, OR BETWEEN A PARTY AND ITS EMPLOYEES, CONTRACTORS, OR SUBCONTRACTORS, OR BETWEEN A PARTY AND ITS CUSTOMERS, OR BETWEEN A PARTY AND ITS SUPPLIERS, OR BETWEEN A PARTY AND ITS OTHER INTERESTED PARTIES, SHALL ARISE OUT OF OR RELATE TO THIS AGREEMENT, THE PARTIES SHALL FIRST ATTEMPT TO RESOLVE THE DISPUTE OR CONTROVERSY THROUGH AMicable NEGOTIATION.
3. IF THE PARTIES ARE UNABLE TO RESOLVE THE DISPUTE OR CONTROVERSY THROUGH AMicable NEGOTIATION, THE PARTIES SHALL ATTEMPT TO RESOLVE THE DISPUTE OR CONTROVERSY THROUGH MEDIATION.
4. IF THE PARTIES ARE UNABLE TO RESOLVE THE DISPUTE OR CONTROVERSY THROUGH MEDIATION, THE PARTIES SHALL ATTEMPT TO RESOLVE THE DISPUTE OR CONTROVERSY THROUGH CONCILIATION.
5. IF THE PARTIES ARE UNABLE TO RESOLVE THE DISPUTE OR CONTROVERSY THROUGH CONCILIATION, THE PARTIES SHALL ATTEMPT TO RESOLVE THE DISPUTE OR CONTROVERSY THROUGH ARBITRATION.
6. THE ARBITRATION SHALL BE CONDUCTED IN ACCORDANCE WITH THE RULES OF ARBITRATION OF THE INTERNATIONAL CHAMBER OF COMMERCE (ICC).
7. THE ARBITRATION SHALL BE CONDUCTED IN THE CITY OF NEW YORK, NEW YORK.
8. THE ARBITRATION SHALL BE CONDUCTED IN ENGLISH.
9. THE ARBITRATION SHALL BE CONDUCTED BY A SINGLE ARBITRATOR.
10. THE ARBITRATOR SHALL BE APPOINTED BY THE INTERNATIONAL CHAMBER OF COMMERCE (ICC).
11. THE ARBITRATOR SHALL BE A PERSON OF REPUTED INDEPENDENCE AND INTEGRITY.
12. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A NATIONAL OF EITHER PARTY.
13. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A MEMBER OF THE SAME ORGANIZATION AS EITHER PARTY.
14. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A MEMBER OF THE SAME INDUSTRY AS EITHER PARTY.
15. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A MEMBER OF THE SAME GEOGRAPHIC AREA AS EITHER PARTY.
16. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A MEMBER OF THE SAME RELIGION AS EITHER PARTY.
17. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A MEMBER OF THE SAME ETHNICITY AS EITHER PARTY.
18. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A MEMBER OF THE SAME SEX AS EITHER PARTY.
19. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A MEMBER OF THE SAME AGE AS EITHER PARTY.
20. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A MEMBER OF THE SAME MARITAL STATUS AS EITHER PARTY.
21. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A MEMBER OF THE SAME EDUCATION AS EITHER PARTY.
22. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A MEMBER OF THE SAME OCCUPATION AS EITHER PARTY.
23. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A MEMBER OF THE SAME INTERESTS AS EITHER PARTY.
24. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A MEMBER OF THE SAME BELIEFS AS EITHER PARTY.
25. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A MEMBER OF THE SAME VALUES AS EITHER PARTY.
26. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A MEMBER OF THE SAME CULTURE AS EITHER PARTY.
27. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A MEMBER OF THE SAME LANGUAGE AS EITHER PARTY.
28. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A MEMBER OF THE SAME NATIONALITY AS EITHER PARTY.
29. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A MEMBER OF THE SAME CITIZENSHIP AS EITHER PARTY.
30. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A MEMBER OF THE SAME RESIDENCE AS EITHER PARTY.
31. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A MEMBER OF THE SAME EMPLOYMENT AS EITHER PARTY.
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41. THE ARBITRATOR SHALL BE A PERSON WHO IS NOT A MEMBER OF THE SAME SCIENTIFIC BELIEFS AS EITHER PARTY.
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EXPERIMENTAL PROCEDURE

- [illegible]

[illegible]

MODEL "REGENCY" B w/CONSERVATORY

BLOCK 144 LOT 135.07 QUALIFICATION CODE _____ ADDRESS (SITE) GREENTREE EST PERMIT NO. 2001686



CONSTRUCTION PERMIT APPLICATION

Application Completes: Sections I, II, III (optional), IV, VI, and VII

I. IDENTIFICATION

1. Proposed Work Site at: GREEN TREE CT
 2. Name of Owner in Fee: GREEN TREE EST. LLC, Tel. (732) 280-9122
 Address 811 16TH AVE BELMAR 07719
street municipality zip code
 3. Ownership in Fee: Public _____ Private X
 4. Principal Contractor: SAUE Tel. (_____)
 Address _____
 License No. OR, if new home, Builder Reg. No. 031172 Exp. Date _____
 Federal Employee No. 0 FAX: (732) 280-9122
 5. Architect or Engineer RICHARD P GRASSO Tel. (_____) 528-5820
 Address 1312 ATLANTIC AVE MANASQUAN 08736
 6. Responsible Person in Charge of Work JEFF CARTER
 Tel. (732) 961-1141 FAX (732) 961-1143

V. FEE SUMMARY (for office use only)

		Update	Update
1. Building	\$		
2. Electrical			
3. Plumbing			
4. Fire Protection			
5. Elevator Devices			
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
 2. Height of Structure 34 ft.
 3. Area - Largest Floor 1720 sq. ft.
 4. New Building Area 2,400 sq. ft.
 5. Volume of New Structure 71,856 cu. ft.
 6. Construction Classification 5-B
 7. Total Land Area Disturbed 3,000 sq. ft.
 8. Flood Hazard Zone 1A
 9. Base Flood Elevation 8.1 ft.
 10. Wetlands yes X no _____
 11. Max. Live Load 45 P.P.S.G.F.T.
 12. Max. Occupancy Load 1 PERSON PER 200 SQ. FT.

II. PROPOSED WORK	Est. Cost	OPTIONAL (for office use only)						
		Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Rejection
1. ☐ Minor Work								
2. ☒ New Building								
3. ☐ Addition								
4. ☐ Alteration								
5. ☒ Fire Protection								
6. ☒ Plumbing								
7. ☒ Electrical								
8. ☐ Elevator Devices								
9. ☐ Asbestos Abat. Subch. 8								
10. ☐ Lead Hazard Abatement								
11. ☐ Demolition								
TOTAL COSTS								

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

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

III. DO YOU WANT: (optional)

1. ☐ Partial Releases
 2. ☒ Prototype Processing

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 0
 After Construction 1
 Net Gain, or Loss 1

B. NON-RESIDENTIAL

1. State Specific Use:

2. Use Group:

3. Change in Use Group, Indicate Former:

LDS HW-B-10307276

11-85 ERM-1 (Rev. 10-80)

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 _____ Date _____

II. AGENT SECTION (to be completed if the applicant is not the owner in fee)

I hereby certify the following as required by the 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 JEFF CARTER

Address 320 KELLY AVE BRICK NJ. 08724

Telephone (961 1141) CELL 814 5811

Signature [Signature]

- III. ☐ LEAD HAZARD ABATEMENT: Include Homeowner or Building Owner Affidavit as per N.J.A.C. 5:17.

OFFICE DATE RECEIVED: _____

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

IX. SUBCODES AND SPECIAL REGULATIONS APPLICABLE (office use only—optional)

Name of Code & Edition	Name of Code & Edition	Other
Building _____	Energy _____	
Electrical _____	Barrier Free _____	
Plumbing _____	Flood Hazard _____	
Fire Protection _____	As Built Elevation Cert. _____	
Mechanical _____	Other _____	

X. CERTIFICATES ISSUED (office use only)

	DATE ISSUED	DATE EXPIRED	DATE REISSUED	DATE EXPIRED
☐ Temporary Certificate of Occupancy	No. _____	_____	_____	_____
☐ Temporary Certificate of Compliance	No. _____	_____	_____	_____
☐ Continued Certificate of Occupancy	No. _____	_____	_____	_____
☐ Certificate of Compliance	No. _____	_____	_____	_____
☐ Certificate of Occupancy	No. _____	_____	_____	_____
☐ Certificate of Approval	No. _____	_____	_____	_____
☐ Lead Abatement Clearance Certificate	No. _____	_____	_____	_____



HOWELL TOWNSHIP
251 PREVENTORIUM ROAD
HOWELL NJ 07731
732-938-4500

**CERTIFICATE
IDENTIFICATION**

Date Issued: 06/11/2002
Control #: 15655
Permit #: 20011686

Block: 144 Lot: 135.07 Qual: _____
Work Site: CASINO DRIVE

Home Warranty No: _____

Type of Warranty Plan: _____

Use Group: _____

Maximum Live Load: _____

Construction Classification: _____

Maximum Occupancy Load: _____

Certificate Exp Date: _____

Description of Work/Use: _____

☐ State ☐ Private
R-3

SFD, 2 CAR GARAGE, BASMENT, PRE FAB FIREPLACE CF
75836 SF 3616

Owner in Fee: GREENTREE ESTS
Address: 811 16TH AVENUE
BELMAR NJ 07719
Telephone: 732 280-9122
Agent/Contractor: GREENTREE ESTS
Address: 811 16TH AVENUE
BELMAR NJ 07719
Telephone: 732 280-9122
Lic. No./ Bldgs. Reg. No.: 031172 Federal Emp. No.: [REDACTED]
Social Security No.: _____

☒ **CERTIFICATE OF OCCUPANCY**

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☐ **CERTIFICATE OF APPROVAL**

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

☐ **TEMPORARY CERTIFICATE OF OCCUPANCY/COMPLIANCE**

If this is a temporary Certificate of Occupancy or Compliance the following conditions must be met no later than _____ or the owner will be subject to fine or order to vacate.

☐ **CERTIFICATE OF CLEARANCE-LEAD ABATEMENT §17**

This serves notice that based on written certification, lead abatement was performed as per N.J.A.C. 5:17 to the following extent:

☐ Total removal of lead-based paint hazards in scope of work

☐ Partial or limited time period(____ years); see file

☐ **CERTIFICATE OF CONTINUED OCCUPANCY**

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ **CERTIFICATE OF COMPLIANCE**

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until _____

Edward S. Mack
Edward Mack Construction Official
U.C.C 360 (rev. 3/96)

1 - APPLICANT 2 - OFFICE 3 - TAX ASSESSOR

Fees \$20.00
Paid ☒ Check No 1039
Collected by BF



APPLICATION FOR CERTIFICATE

Date Received
Date Permit Issued
Control #
Permit #
Date Issued

- *** REQUIREMENT FOR ISSUANCE OF CERTIFICATES OF OCCUPANCY.
- *** TO BE SUBMITTED AT TIME OF SCHEDULING OF FINAL INSPECTIONS.

IDENTIFICATION

Block 144 Lot 135.07
Work Site Location 10 GREEN TREE CT Contractor SAME
HOWELL NJ 07719 Address
Owner in Fee DIAMOND DEVELOPMENT LLC
Address 811 16TH AVE BELMAH NJ Tele. ()
07719 Lic. No. 031172
Tele. (732) 280-9090 Federal Emp. No. [REDACTED]
or Social Security No. [REDACTED]

ACTION

- ☒ CERTIFICATE OF OCCUPANCY ☐ CERTIFICATE OF APPROVAL
☐ CERTIFICATE OF CONTINUED OCCUPANCY ☐ TEMPORARY CERTIFICATE OF OCCUPANCY
USE GROUP R-3 Previous R-3 Current

FINAL COST OF CONSTRUCTION: \$ 165,000.00

(Include value of any new structure, all on-site improvements, built in furnishings and fixtures and all integral equipment exclusive of process or manufacturing equipment.)

A set of "As-Built" or amended drawings is required if the building or structure deviates from the approved plans filed with the construction permit. Use space below to describe any deviations from approved plans:

If you are requesting a Temporary Certificate of Occupancy, please explain why in the space below.

DESCRIPTION OF WORK/USE:

S.F.D. 3,600 Sq Ft.

W/ FINISHED BASEMENT = 2,000 Sq. Ft.

MODEL REGENCY "B" ELEVATION

I hereby attest, that to the best of my knowledge, all work has been completed in accordance with the approved plans, permit and Regulations. Incomplete items listed on a Temporary Certificate of Occupancy will be completed by the date on the Certificate.

SIGNED:

☐ Owner
☒ Agent

OWNER AGENT

prototype

031172



CONSTRUCTION PERMIT

Date Issued
Control #
Permit #

8-6-01
01-1686

031172

IDENTIFICATION Block 184 Lot 135.07
Work Site Location GREENTREE ESTATES Contractor SAME
HOLDILL Address
Owner in Fee GREEN TREE EST. LLC
Address 811 16TH AVE Tel. ()
BEHMAN NJ. 07719 Lic. No. or Bldrs. Reg. No. 031172
Tel. (732) 280-9122 Fed. Emp. No. 22

Is hereby granted permission to perform the following work:

- | | | |
|--|---|--|
| ☒ BUILDING | ☐ PLUMBING | ☐ LEAD HAZARD ABATEMENT |
| ☐ ELECTRICAL | ☐ FIRE PROTECTION | ☐ DEMOLITION |
| ☐ ELEVATOR DEVICES | ☐ ASBESTOS ABATEMENT | ☐ OTHER |
- (Subchapter 8 only)

DESCRIPTION OF WORK: SINGLE FAMILY DWELLING CF 75,836
REGENCY 2-CAR GARAGE SF 3616
BASEMENT
FIRE PLACE = PREFAB

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 \$ 105,000.

Construction Official

Date

U.C.C.-F170
(rev. 3/99)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

GOLD - APPLICANT

(see reverse side)

PAYMENTS (Office Use Only)	
Building	1229.00
Electrical	238.00
Plumbing	293.00
Fire Protection	141.00
Elevator Devices	
Other	Summ 10.00
DCA Training Fee	121.00
Cert. of Occupancy	20.00
Other	
Total	2051.00
Check No.	1039
Cash	
Collected by	8-6-01

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that work installed conforms to the approved plans and the requirements of the Uniform Construction Code.

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval given.

☐ Required inspections for all subcodes for one and two family dwellings are the following:

1. The bottom of footing trenches before placement of footings, except that in the case of pile foundations, inspections shall be made in accordance with the requirements of the building subcode;
2. Foundations and all walls up to grade level prior to back filling;
3. All structural framing and connections prior to covering with finish or infill material; plumbing underground services, rough piping, water service, sewer, septic services and storm drains; electrical rough wiring, panels and service installations; insulation installations;
4. Installation of all finished materials, sealings of exterior joints; plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

- ☐ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. Any violations of the approved plans and/or permit will be noted and the holder of the permit notified of discrepancies.
- ☐ A complete copy of approved plans must be kept on the job site.

If you do not understand any of this information, please ask.



PERMIT UPDATE

Date Update Issued 5-20-07
Control # 12575
Permit # 20011686-1
Date Permit Issued

IDENTIFICATION Block 144 Lot 135.07
Work Site Location GREENTREE BIST. Contractor LAIR
Address _____
Owner in Fee DIAMOND NEU AT GREENTREE
Address 811 16TH AVE REHMAN Tele. () _____
07719 Lic. No. or Bldrs. Reg. No. 031172
Tele. (732) 280 9090 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: S.F.D.
2,004 Sq. FT FINISHED BASEMENT

Estimated Cost of Work \$ 17,000.00

Ch (L)

CONSTRUCTION OFFICIAL

PAYMENTS (Office Use Only)

Building	<u>17</u>
Plumbing	<u>9</u>
Electrical	<u>0</u>
Fire Protection	<u>4</u>
Other	
DCA Training Fee	<u>24</u>
Cert. of Occ.	<u>40</u>
Other	
Total	<u>64</u>
Check No.	<u>117</u>
Cash	
Collected By:	<u>Ch (L)</u>

U.C.C. Form F-190A

1 WHITE—INSPECTOR COPY 2 CANARY—OFFICE COPY 3 PINK—OFFICE COPY 4 GOLD—APPLICANT COPY

PRO 111



PERMIT UPDATE

Date Update Issued
Control #
Permit #
Date Permit Issued

6-10-02
19302
20011686

IDENTIFICATION Block 144 Lot 135.07
Work Site Location 10 GREEN TREE CT Contractor PROFESSIONAL PLUMBING
HAUKEE HT. Address 727 RT. 9
Owner In Fee DIAMOND DEVL. LAJOKA HARBOR HT. 08734
Address 811 16TH AVE BELMAR NJ. Tel. (732) 971-1667
07719 Lic. No. or Bldrs. Reg. No. BI 09918
Tel. (732) 280 9070 Fed. Emp. No. 2

Is hereby granted permission to perform the following work:

☐ BUILDING ☒ PLUMBING ☐ LEAD HAZARD ABATEMENT
☐ ELECTRICAL ☐ FIRE PROTECTION ☐ DEMOLITION
☐ ELEVATOR DEVICES ☐ ASBESTOS ABATEMENT ☐ OTHER _____
(Subchapter 8 only)

DESCRIPTION OF WORK: ADDED GAS PIPING FOR 3RD ZONE
GAS FURNACE IN BASEMENT.

Estimated Cost of Work \$ 300.00

Construction Official

Date

6-10-02

U.C.C. F190
(rev. 3/98)

1 WHITE—INSPECTOR COPY 2 CANARY—OFFICE COPY 3 PINK—OFFICE COPY 4 GOLD—APPLICANT COPY

PAYMENTS (Office Use Only)

Building _____
Electrical _____
Plumbing 10
Fire Protection _____
Elevator Devices _____
Other _____
DCA Training Fee _____
Cert. of Occupancy _____
Other _____
Total _____
Check No. _____
Cash 10.00
Collected by Gm



HOWELL TOWNSHIP
251 PREVENTORIUM ROAD
HOWELL, NJ 07731
732 - 938-4500

Permit Number: 20011686
Permit Date: 06/10/2002
Update Number: 2
Control Number: 19302
Application Date: 06/06/2002

CONSTRUCTION PERMIT UPDATE IDENTIFICATION

OWNER/PROPERTY DETAILS

Block : 144	Lot : 135.07	Qualifier :	Contractor:	PROFESSIONAL PLUMBING SERVICE
Work site Location:	10 GREENTREE HOWELL		Address:	727 ROUTE 9
Owner In Fee:	DIAMOND DEVELOPERS			LANOKA HARBOR NJ 08734
Address:	811 16TH AVENUE		Telephone:	(609) - 975-1667
	BELMAR NJ 07719		Lic. No./ Bids. Reg. No.:	B109918
Telephone:	(732) - 280-9090		Federal Emp. No.:	
Use Group(s):	R-3			

is hereby granted permission to perform the following work :

- | | | |
|---|--|-------------------------------------|
| ☐ BUILDING | ☒ PLUMBING | ☐ DEMOLITION |
| ☐ ELECTRICAL | ☐ FIRE PROTECTION | ☐ OTHER |
| ☐ ELEVATOR DEVICES | ☐ MECHANICAL | |
| ☐ ASBESTOS ABATEMENT | ☐ LEAD HAZARD ABATEMENT | |

(Subchapter 8 only)

DESCRIPTION OF WORK:

ADDED GAS PIPING FOR 3RD ZONE GAS FURNACE IN BSMT

ESTIMATED COST OF WORK:

Cost of Construction:	300.00
Cost of Alteration:	0.00
Cost of Demolition:	0.00

Total Cost: \$300.00

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

Edward Mack
Construction Official

Date

6-10-02

:: Failure to obtain all required inspections may result in administrative action.
:: Final inspections are required before final payment is to be made to contractor.
:: An approved set of plans must be kept at the worksite at all times

PAYMENTS (Office Use Only)

Building	
Electrical	
Plumbing	\$10.00
Fire Protection	
Elevator Devices	
Mechanical	
Vol Fee (DCA)	
Alt Fee (DCA)	
Other Fees	
CO Fee	
CCO Fee	
Minimum Fee	
Total	\$10.00
All Fees Waived :	No

Amount to be Paid: \$10.00

Cash amount: \$10.00

Collected by: JM
Receipt No:
Total Cash Amount \$10.00
Total Check Amount
Total CC Amount
Grand Total \$10.00

Note: FIELD COPY MUST BE ON SITE AT ALL TIMES WHEN INSPECTORS COME TO INSPECT!!!!



HOWELL TOWNSHIP
251 PREVENTORIUM ROAD
HOWELL, NJ 07734
732 - 938-4500

Permit Number: 20011686
Permit Date: 05/06/2002
Update Number: 1
Control Number: 18575
Application Date: 04/22/2002

CONSTRUCTION PERMIT UPDATE

IDENTIFICATION

OWNER/PROPERTY DETAILS

Block : 144	Lot : 135.07	Qualifier :	
Work site Location:	CASINO DRIVE HOWELL	Contractor:	DIAMOND DEVELOPERS
Owner In Fee:	DIAMOND DEVELOPERS	Address:	811 16TH AVE BELMAR NJ 07719
Address:	811 16TH AVE BELMAR NJ 07719	Telephone:	(732) - 280-9090
Telephone:	(732) - 280-9090	Lic. No. / Bldrs. Reg. No.:	031172
Use Group(s):	R-3	Federal Emp. No.:	

is hereby granted permission to perform the following work :

- | | | |
|--|---|-------------------------------------|
| ☒ BUILDING | ☒ PLUMBING | ☐ DEMOLITION |
| ☒ ELECTRICAL | ☒ FIRE PROTECTION | ☐ OTHER |
| ☐ ELEVATOR DEVICES | ☐ MECHANICAL | |
| ☐ ASBESTOS ABATEMENT | ☐ LEAD HAZARD ABATEMENT | |

(Subchapter 8 only)

DESCRIPTION OF WORK:

SFD FINISHED BASEMENT
(PLANS ATTACHED)

ESTIMATED COST OF WORK:

Cost of Construction: 85.00
Cost of Alteration: 11,915.00
Cost of Demolition: 0.00

Total Cost: \$12,000.00

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

Edward Mack
Construction Official

Date

5-6-02

:: Failure to obtain all required inspections may result in administrative action.
:: Final inspections are required before final payment is to be made to contractor.
:: An approved set of plans must be kept at the worksite at all times

PAYMENTS (Office Use Only)

Building	\$172.00
Electrical	\$83.00
Plumbing	\$95.00
Fire Protection	\$46.00
Elevator Devices	
Mechanical	
Vol Fee (DCA)	
Alt Fee (DCA)	\$9.00
Other Fees	
CO Fee	\$40.00
CCO Fee	
Minimum Fee	
Total	\$445.00
All Fees Waived :	No

Amount to be Paid: \$445.00
Check Number: 1312
Check amount: \$445.00

Collected by: JM
Receipt No:
Total Cash Amount
Total Check Amount \$445.00
Total CC Amount
Grand Total \$445.00

Note: FIELD COPY MUST BE ON SITE AT ALL TIMES WHEN INSPECTORS COME TO INSPECT!!!!



**BUILDING
SUBCODE
TECHNICAL SECTION**

GREEN TREE ESTATES

Owner in Fee	JOHN FEE
Address	811 16 TH AVE

BB1 MAK 27

Contraccio

Tele. ()
Fax (232) 280 1122

Lic. No. or Bldgs. Reg. No. 031170
Federal Emp. No. 22-5775

JOB SUMMARY (Office Use Only)[illegible]

B. BUILDING CHARACTERISTICS

Use Group	Present	Proposed
Const. Class	Present	Proposed

Height of Structure 34 Ft.

Area — Largest Floor 1920 Sq. Ft.

New Bldg. Area/All Floors ~~273,364~~ Sq. Ft.

Volume of New Structure	74,656	Cu. Ft.
-------------------------	--------	---------

Total Land Area Disturbed 3,000 Sq. Ft.

Est. Cost of Bldg. Work:

1. New Bldg.	\$ 105,000.00
2. Alteration	\$
3. Total (1+2)	\$ 105,000.00

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

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK
NEW SINGLE
FAMILY DWELLING 2 STORY
F/ BASEMENT 2 - (CAR GARAGE
GAS - FIREPLACE (PRE-FAB)
* "WITH/ CONSTRUCTION" *
"OPTION"
WALK OUT BASEMENT
MODEL
REGENCY "B" SEE PLANS

TYPE OF WORK:

~~IX~~ New Building

[] Addition

[] Alteration

[] Roofing

Siding [1]

[] Fence

sign

1001

1 Issues

1000

[] Demolition

Administrative Surcharge \$

Minimum Fee

DCA Training Fee

TOTAL FEE \$

U.C.C. F110

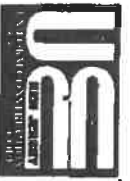
(1874, 3/28/85)

1 White = Inspector Copy

3 Pink = Office Copy

2 Canary = Office Copy

4-Gold = Applicant Copy



* U.P.-DATE *
BUILDING
SUBCODE
TECHNICAL SECTION



Date Received 5-6-02
Date Issued 18575
Control # 20011686
Permit #

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO. 1-800-272-2000.

Block 144 Lot 35.07
Work Site Location 10 GREEN TREE AVE.
Owner In Fee ATAMOND BEL AT GREEN TREE EST.
Address 811 16TH AVE ISELMAC N.J. 07119

Tele. 202-280-9090
Contractor SAVE
Address _____

Tele. () _____ Fax () _____
Lic. No. or Bldg. Reg. No. 031172
Federal Emp. No. 033715310

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPECTIONS	Type:	Failure	Dates (Month/Day)	Initial
☐ No Plans Required							
☐ All				Footings			
☐ Footings				Foundation			
☐ Foundation				Slab			
☒ Frame				Frame			
☐ Other				Barrier-Free			
Joint Plan Review Required:				Insulation			
☒ Elec. ☒ Plumb. ☒ Fire ☐ Elevator				Finishes			
SUBCODE APPROVAL:				Energy			
☒ CO ☐ CCO ☐ CA				Mechanical			
Date: <u>5/11/02</u>				TCO			
Approved by: <u>CS</u>				Other			
				Final			
				Barrier-Free			

B. BUILDING CHARACTERISTICS

Use Group P-3 Proposed R-3
Constr. Class 5-0 Proposed B-3
No. of Stories 2
Height of Structure 28 Ft.
Area — Largest Floor 7084 Sq. Ft.
New Bldg. Area/All Floors 71023 Sq. Ft.
Volume of New Structure 71534 Cu. Ft.
Total Land Area Disturbed 12.760 Sq. Ft.

Est. Cost of Bldg. Work:

1. New Bldg. \$148,000
2. Alteration \$148,000
3. Total (1+2) \$296,000
2815

DESCRIPTION OF WORK

* SEE PLANS *
BASEMENT
FINISHED

D. TECHNICAL SITE DATA

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

TYPE OF WORK:

☐ New Building
☐ Addition
☒ Alteration
☐ Roofing
☐ Siding
☐ Fence
☐ Sign
☐ Pool
☐ Asbestos Abatement Subchapter B
☐ Lead Haz. Abatement NJAC 5:17
☒ Other _____
☐ Demolition

FEE (Office Use Only)

Administrative Surcharge \$
Minimum Fee \$
DCA Training Fee \$
TOTAL FEE \$
172



BUILDING SUBCODE TECHNICAL SECTION

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO. 1-800-372-1000.

Block 144 Lot 35.07

Work Site Location HOVELL

Owner in Fee GREEN TREE EST. LLC

Address 811 16TH AVE

Telephone (732) 280-9122 Fax (732) 280-9122

Contractor SAM

Address

Telephone

Lic. No. or Bldgs. Reg. No. 051172 Federal Emp. No. 051172

Job Summary (Office Use Only)

PLAN REVIEW

Date

INSPECTIONS

Type

Failure

Failure

Approval

Initial

☐ No Plans Required

☐ All

☐ Footing

☐ Foundation

☐ Frame

☐ Other

Joint Plan Review Required:

☐ Elec. ☐ Plumb. ☐ Fire ☐ Elevator

SUBCODE APPROVAL:

☐ CO ☐ CC ☐ CA

Date:

Approved by:

Barrier-Free

B. BUILDING CHARACTERISTICS

Use Group

Present

Proposed

Constr. Class

No. of Stories

Height of Structure

Area — Largest Floor

New Bldg. Area/All Floors

Volume of New Structure

Total Land Area Disturbed

R-2

2

34

1,920

2,434.36

74,880

3,000

R-2

5-B

34

1,920

2,434.36

74,880

3,000

Est. Cost of Bldg. Work:

1. New Bldg. \$ 105,000

2. Alteration \$ 105,000

3. Total (1+2) \$ 210,000



Date Received
Date Issued
Control #
Permit #

86-01
01-1686

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

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK NEW SINGLE FAMILY BUILDING 2 STORY F/BASEMENT 2-CAR GARAGE GAS-FIREPLACE (PRE-FAB)

"WITH/CONSERVATORY"

WALK OUT BASEMENT

MODEL

REGENCY "B" SEE PLANS

TYPE OF WORK:

☒ New Building

☐ Addition

☐ Alteration

☐ Roofing

☐ Siding

☐ Fence

☐ Sign

☐ Pool

☐ Asbestos Abatement Subchapter 8

☐ Lead Haz. Abatement NJAC 5:17

☐ Other

☐ Demolition

Height (exceeds 6') Sq. Ft.

Administrative Surcharge \$

Minimum Fee \$

DCA Training Fee \$

TOTAL FEE \$

FEE (Office Use Only)

1 Write = Inspector Copy

2 Canary = Office Copy

3 Print = Office Copy

4 Gold = Applicant Copy

U.C.C. #110

(rev. 3/86)



*** UP-DATE ***
BUILDING
SUBCODE
TECHNICAL SECTION



Date Received
 Date Issued
 Control #
 Permit #

5-6-02
 18575
 20011686

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

TECHNICAL SITE DATA

DESCRIPTION OF WORK

**SFD
 FINISHED
 BASEMENT**

*** SEE PLANS ***

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION, WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-2000

Block 144 Lot 35.07

Work Site Location HOUSELL N.J.

Owner in Fee ATMOND KEN AT GREEN TREE EST.

Address 811 16TH AVE BELMAR N.J. 07719

Tele. (732) 280-9090

Contractor CAVE

Address _____

Tele. () _____ Fax () _____

Lic. No. or Bldgs. Reg. No. 031172

Federal Emp. No. _____

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPECTIONS	Type	Failure	Dates (Month/Day)	Approval	Initial
☐ No Plans Required				Footing				
☐ All				Foundation				
☐ Footing				Slab				
☐ Foundation				Frame				
☒ Frame				Barrier-Free				
☐ Other				Insulation				
Joint Plan Review Required:				Finishes				
☒ Elec. ☒ Plumb. ☒ Fire ☐ Elevator				Energy				
SUBCODE APPROVAL:				Mechanical				
☐ CO ☐ CCO ☐ CA				TCO				
Date: _____				Other				
Approved by: _____				Final				
				Barrier-Free				

B. BUILDING CHARACTERISTICS

Use Group	Present	Proposed
Conflict Class	Present	Proposed
No. of Stories	<u>2</u>	<u>2</u>
Height of Structure	<u>28</u>	<u>28</u>
Area — Largest Floor	<u>7,089</u>	<u>2,004</u>
New Bldg. Area/All Floors	<u>210</u>	<u>28</u>
Volume of New Structure	<u>415</u>	<u>34</u>
Total Land Area Disturbed	<u>12,800</u>	<u>34</u>

Est. Cost of Bldg. Work:

1. New Bldg. \$1,100,000
2. Alteration \$1,100,000
3. Total (1+2) \$2,200,000

TYPE OF WORK:	Height (exceeds 6') Sq. Ft.	FEE (Office Use Only)
☐ New Building		
☐ Addition		
☒ Alteration		<u>172</u>
☐ Roofing		
☐ Siding		
☐ Fence		
☐ Sign		
☐ Pool		
☐ Asbestos Abatement Subchapter 8		
☐ Lead Haz. Abatement NJAC 5:17		
☒ Other		
☐ Demolition		

Administrative Surcharge	\$
Minimum Fee	\$
DCA Training Fee	\$
TOTAL FEE	\$ <u>6</u>

L.C.C. #110
 (Rev. 3/00)

1 White = Inspector Copy
 3 Pink = Office Copy

2 Green = Office Copy
 4 Gold = Applicant Copy

Township of Howell
Preventionium Road - P.O. Box 580
Howell, New Jersey 07731



ELECTRICAL
SUBCODE
TECHNICAL SECTION

5-6-02



Date Received
Date Issued
Control #
Permit #

18575
20011686-1

A. IDENTIFICATION - APPLICANT: COMPLETE ALL APPLICABLE INFORMATION WHEN CHANGING CONTRACTORS. NOTIFY THIS OFFICE. CALL UTILITY DIG NO. 1-800-222-1000.

Block 144 Lot 135.07
Work Site Location 16 GREEN LANE WEST

Owner in Fee/Occupant DIAMOND DEVIAT GREEN TIGERS
Address 811 16TH AVE BELMAR NJ 07714

Tele. (732) 280-9090

Contractor STEVEN BLANK
Address 811 16TH AVE BELMAR NJ 07714

Tele. (609) 242-0960 Fax ()

Lic. No. 1947

Federal Emp. No.

B. ELECTRICAL CHARACTERISTICS

Use Group Present R-3 Proposed R-3

☐ Pole/Pad # ☐ Temporary ☐ Other

Building Occupied as SEB Utility Co.

Est. Cost of Elec. Work \$ 1,600.00

JOB SUMMARY (Office Use Only)

PLAN REVIEW Date Initial INSPECTIONS

☒ No Plans Required Type: Failure Failure Approval Initial

Joint Plan Review Required: Rough 5/14/02

☐ Building ☐ Plumbing Temp. Serv.

☐ Fire ☐ Elevator Const. Serv.

☐ Elec. Plans Approved TCO

Date: 5/10/02 Other

Approved by: Service

Final

Temp. Cut-In-Card Date Issued

Final Cut-In-Card Date Issued

SUBCODE APPROVAL

Date: 6/2/02 CC CA

Approved by:

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 and perform the work listed on this application.

Applicant's Signature/Contractor's Seal and Signature

☒ Licensed Electrical Contractor ☐ Exempt Applicant

D. TECHNICAL SITE DATA

QTY. SIZE ITEMS

1

1

1

FEE (Office Use Only)

\$ 47-

U.C.C. F-120
(rev. 3/98)

1 White = Inspector Copy
3 Pink = Office Copy

2 Canary = Office Copy
4 Gold = Applicant Copy

Administrative Surcharge \$ 83-
Minimum Fee \$ 1-
DCA Training Fee \$ 84-
TOTAL FEE \$

G-5-02 ✓

- ✓ 1) Screen LTS TO GRID.
- ✓ 2) BATHROOM MISSING PLATE
2 FAN MOTOR
- ✓ 3) NO A/C BREAKER

100-1686



ELECTRICAL
SUBCODE
TECHNICAL SECTION



Date Received
Date Issued
Control #
Permit #

86-01
01-1686

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

Block 142 Lot 135.07

Work Site Location GREEN TREE ESTATES

Owner In Fee/Occupant HOUSEHOLD ESTATES

Address 811 16TH AVE GREEN TREE, L.L.C.

Tele. () 280-9122 BELMAN NY 07719

Contractor SEOCYD Electric

Address 513 BUNNELL ST

Tele. () 293-0962 Fax ()

Lic. No. 14467

Federal Emp. No.

B. ELECTRICAL CHARACTERISTICS

Use Group Present E-3 () Temporary () Other

Building Occupied as CLOUTIER Utility Co. () Other

Est. Cost of Elec. Work \$ 5,020.00

JOB SUMMARY (Office Use Only)

PLAN REVIEW Date Initial

() No Plans Required

Joint Plan Review Required:

() Building () Plumbing

() Fire () Elevator

() Elec. Plans Approved

Date:

Approved by:

INSPECTIONS

Type:

Rough

Temp. Serv.

Const. Serv.

TCO

Other

Service

Final

Dates (Month/Day)

Failure

10-24-01

SV

10/24/01

CP

10-24-01

SV

10/24/01

CP

10-24-01

SV

10/24/01

CP

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

D. TECHNICAL SITE DATA

QTY. SIZE ITEMS

62

77

40

7

Lighting Fixtures

Receptacles

Switches

Detectors

Light Poles

Motors—Fract. HP

Emergency & Exit Lights

Communications Points

Alarm Devices/F.A.C. Panel

TOTAL NUMBERS

Pool Permit/with UV Lights

Storable Pool/Spa/Hot Tub/Whirlpool

KV Elec. Range/Receptacle

KV Oven/Surface Unit

KV Elec. Water Heater

KV Elec. Dryer/Receptacle

KV Dishwasher

HP Garbage Disposal

KV Central A/C Unit

HP/KV Space Heater/Air Handler

KV Baseboard Heat

HP Motors 1/4 HP

KV Transformer/Generator

AMP Service

AMP Subpanels

AMP Motor Control Center

KV Elec. Sign/Outline Light

FEE (Office Use Only)

Administrative Surcharge

Minimum Fee

DCA Training Fee

TOTAL FEE

\$
\$
\$
\$

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 and perform the work listed on this application.

Applicant's Signature of Contractor's Seal and Signature

() Licensed Electrical Contractor () Exempt Applicant

10-24-01 .. OV

- ✓ 1) 3 wire on fusset in ATTIC;
BY DOORWAY TO WEST BDRM. &
HALLWAY wire for smoke detect.
- ✓ 2) need and outlet in UPSTAIRS
HALL
- ✓ 3) NO SIDING.

6-5-02 R

- ✓ 1) NAIL BOARD FOR 14/3 IN
ATTIC.



**ELECTRICAL
SUBCODE
TECHNICAL SECTION**



Date Received
Date Issued
Control #
Permit #

86-01
01-1684

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

Block 142 Lot 135.07

Work Site Location GREEN TREE ESTATES

Owner in Fee/Occupant HAUSILL INC. 07731

Address 811 16TH AVE GREEN TREE L.L.C.

Address BERMAN AV 07719

Tele. () 280-9122

Contractor SECHYD Electric

Address 913 Russell St

Tele. () 609-244-0960 Fax () 609-244-0960

Lic. No. 14442

Federal Emp. No. 14442

B. ELECTRICAL CHARACTERISTICS

Use Group Present R-3 Proposed R-3

☐ Pole/Pad # 1 ☐ Temporary ☐ Other

Building Occupied as UTILITY Utility Co. 50201

Est. Cost of Elec. Work \$ 50201

JOB SUMMARY (Office Use Only)

PLAN/REVIEW Date Initial

☐ No Plans Required

Joint Plan Review Required:

☐ Building ☐ Plumbing

☐ Fire ☐ Elevator

☐ Elec. Plans Approved

Date: _____

Approved by: _____

SUBCODE APPROVAL

☐ CO ☐ CCO ☐ CA

Date: _____

Approved by: _____

INSPECTIONS

Type: _____

Rough _____

Temp. Serv. _____

Constr. Serv. _____

TCO _____

Other _____

Service _____

Final _____

Dates (Month/Day)

Failure _____

Failure _____

Approval _____

Initial _____

Temp. Cut-in-Card Date Issued _____

Final Cut-in-Card Date Issued _____

D. TECHNICAL SITE DATA

QTY SIZE ITEMS

Lighting Fixtures _____

Receptacles _____

Switches _____

Detectors _____

Light Poles _____

Motors—Fract. HP _____

Emergency & Exit Lights _____

Communications Points _____

Alarm Devices/F.A.C. Panel _____

TOTAL NUMBERS

Pool Permit/With UW Lights _____

Storable Pool/Spa/Hot Tub _____

KW Elec. Range/Receptacle _____

KW Over/Surface Unit _____

KW/Elec. Water Heater _____

KW Elec. Dryer/Receptacle _____

KW Dishwasher _____

HP Garbage Disposal _____

KW Central A/C Unit _____

HP/KW Space Heater/Air Handler _____

KW Baseboard Heat _____

HP Motors 1/4 HP _____

KW Transformer/Generator _____

AMP Service _____

AMP Subpanels _____

AMP Motor Control Center _____

KW Elec. Sign/Outline Light _____

FEE (Office Use Only)

Administrative Surcharge \$ _____

Minimum Fee \$ _____

DCA Training Fee \$ _____

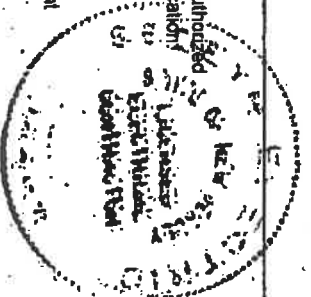
TOTAL FEE \$ _____

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 and perform the work listed on this application.

Applicant's Signature/Contractor's Seal and Signature

☐ Licensed Electrical Contractor ☐ Exempt Applicant





**ELECTRICAL
SUBCODE
TECHNICAL SECTION**



Date Received
Date Issued
Control #
Permit #

86-01
01-1684

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

Block 44 Lot 135.07

Work Site Location GREEN TREE ESTATES

Owner In Fee/Occupant GREEN TREE LLC

Address 811 16TH AVE
BELMAN NJ 07719

Tele. () 280-9122

Contractor SEBEND Electric

Address 813 Bunnell St
Belmar NJ 07719

Tele. () 442-0767 Fax ()

Lic. No. 14467

Federal Emp. No.

B. ELECTRICAL CHARACTERISTICS

Use Group Present R-3 Proposed R-3

☐ Pole/Pad # ☐ Temporary ☐ Other

Building Occupied as CAVITY Utility Co. SOCON

Est. Cost of Elec. Work \$ 50200

JOB SUMMARY (Office Use Only)

PLAN REVIEW Date Initial

☐ No Plans Required

Joint Plan Review Required:

☐ Building ☐ Plumbing

☐ Fire ☐ Elevator

☐ Elec. Plans Approved

Date:	Type:	DATES (Month/Day)		
		Failure	Approval	Initial
Approved by:	Rough			
	Temp. Serv.			
	Const. Serv.			
	TCO			
	Other			
	Service			
	Final			
	Temp. Cut-in-Card Date Issued			
	Final Cut-in-Card Date Issued			

SUBCODE APPROVAL

☐ EO ☐ CCO ☐ CA

Date:

Approved by:

D. TECHNICAL SITE DATA

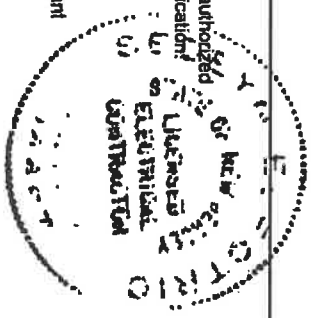
QTY	SIZE	ITEMS
62		Lighting Fixtures
77		Receptacles
46		Switches
7		Detectors
		Light Poles
		Motors—Fract. HP
		Emergency & Exit Lights
		Communications Points
		Alarm Devices/F.A.C. Panel
		TOTAL NUMBERS
		Pool Permit/With UW Lights
		Storable Pool/Spa/Hot Tub/Spa at Back
		KW Elec. Range/Receptacle
		KW Over/Surface Unit
		KW Elec. Water Heater
		KW Elec. Dryer/Receptacle
		KW Dishwasher
		HP Garbage Disposal
		KW Central A/C Unit
		HP/KW Space Heater/Air Handler
		KW Baseboard Heat
		HP Motors 1/4 HP
		KW Transformer/Generator
		AMP Service
		AMP Subpanels
		AMP Motor Control Center
		KW Elec. Sign/Outline Light

Administrative Surcharge	\$
Minimum Fee	\$
DCA Training Fee	\$
TOTAL FEE	\$

FEE (Office Use Only)

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

Applicant's Signature/Contractor's Seal and Signature



U.C.C. F120
(rev 3/98)

1 White = Inspector Copy
3 Pink = Office Copy

2 Canary = Office Copy
4 Gold = Applicant Copy

Township of Howell
Preventorium Road - P.O. Box 580
Howell, New Jersey 07731



ELECTRICAL
SUBCODE
TECHNICAL SECTION



Date Received
Date Issued
Control #
Permit #

5-6-02
18575
20011686-1

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

Block 144 Lot 135.07

Work Site Location B GREEN TREE RST

Owner In Fee/Occupant DIAMOND DEVIAT GREEN TREE RST

Address 811 16TH AVE BELMAR NJ 07714

Tele. (609) 242-0740 Fax ()

Lic. No. 4447 Federal Emp. No. 117

B. ELECTRICAL CHARACTERISTICS

Use Group R-3 Present R-3 Proposed R-3

Building Occupied as 5FD Utility Co. 1,000.00

Est. Cost of Elec. Work \$ 1,000.00

JOB SUMMARY (Office Use Only)

PLAN REVIEW Date Initial INSPECTIONS Type: Failure Failure Approval Initial

Joint Plan Review Required: ☒ No Plans Required ☐ Building ☐ Plumbing ☐ Fire ☐ Elevator

Date: 5/10/02 TCO 1 Other 1 Service 1 Final 1

Approved by: C. Phillips

SUBCODE APPROVAL ☐ CO ☐ CCO ☐ CA

Date: 5/10/02 Temp. Cut-in-Card Date Issued 5/10/02

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 and perform the work listed on this application.

Applicant's Signature/Contractor's Seal and Signature

FEE (Office Use Only)

QTY.	SIZE	ITEMS	
8		Lighting Fixtures	
32		Receptacles	
12		Switches	
1		Detectors	
		Light Poles	
		Motors—Fract. HP	
		Emergency & Exit Lights	
		Communications Points	
		Alarm Devices/F.A.C. Panel	
		TOTAL NUMBERS	
		Pool Permit/with UW Lights	
		Storable Pool/Spa/Hot Tub	
		KW/Elec. Range/Receptacle	
		KW Over/Surface Unit	
		KW Elec. Water Heater	
		KW Elec. Dryer/Receptacle	
		KW Dishwasher	
		HP Garbage Disposal	
		KW Central A/C Unit	
		HP/KW Space Heater/Air Handler	
		KW Baseboard Heat	
		HP Motors 1/+ HP	
		KW Transformer/Generator	
		AMP Service	
		AMP Subpanels	
		AMP Motor Control Center	
		KW Elec. Sign/Outline Light	
		INTERLOCK POWER	
		Administrative Surcharge	
		Minimum Fee	
		DCA Training Fee	
		TOTAL FEE	

U.C.C. F120 (rev. 3/06)

1 White = Inspector Copy
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4 Gold = Applicant Copy



**FIRE
SUBCODE
TECHNICAL SECTION**

* U1-2 DATE * 5-6-02



Date Received
Date Issued
Control #
Permit #

18575
20011686

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK:

BASEMENT FINISHED

Water Supply Source

Method of Alarm/Suppression System Supervision

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

Block 194 Lot 30.07
Work Site Location (GREEN TREE 1200)

Owner In Fee DEAMOND DEV. AT GREEN TREE EST. CO.
Address 8111679 AVE BELMAR NJ - 07119

Tele. (732) 880 90 90

Contractor SAME

Address

Tele. () Fax ()

Lic. No. 031173

Federal Emp. No.

B. FIRE PROTECTION CHARACTERISTICS

Use Group Present Proposed R-3
Const. Class Present Proposed 5-B

Heating Systems ☒ New ☐ Existing ☐ HVAC
Type: ☒ Gas ☐ Oil ☐ Electric ☐ Solar

Location: BASEMENT

Total Cost of Fire Protection Work \$ 25.00

JOB SUMMARY (Office Use Only)

PLAN REVIEW

☐ No Plans Required
Joint Plan Review Required:

☐ Building ☐ Plumbing

☐ Electric ☐ Elevator

☐ Fire Plans Approved

Date:

Approved by:

SUBCODE APPROVAL

Date:

Approved by:

Other

INSPECTIONS

Type:

Alarm System

Suppression Sys.

Standpipe

Fire Pump

Pre-Eng. System

Mechanical

Other

Dates (Month/Day)

Failure

Approval

Initial

Initial

Initial

Initial

Initial

Initial

Initial

Initial

Initial

Initial

Initial

Initial

Initial

Initial

Initial

Initial

Initial

C. CERTIFICATION IN LIEU OF OATH

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

Signature

FEE (Office Use Only)

Administrative Surcharge

Minimum Fee

DCA Training Fee

TOTAL FEE



**FIRE
SUBCODE
TECHNICAL SECTION**

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

Block 144 Lot 138.07

Work Site Location GREEN TREE ESTATES

Owner in Fee HOUELL, JST.

Address GREEN TREE LNC.

2116TH AVE.

SELMAR NJ 07719

Tel: (280) 9132

Contractor SAVE

Address _____

Tel: (_____) _____ Fax (_____) _____

Lic. No. 031172

Federal Emp. No. 22-375370

B. FIRE PROTECTION CHARACTERISTICS

Use Group Present E-3 Proposed E-3

Consult. Class Present SES Proposed SES

Heating Systems X New 1 Existing 1 HVAC

Type: X Gas 1 Oil 1 Electric 1 Solar

1 Other F.R.C. FLUE

Location: BASEMENT LATTIS

Total Cost of Fire Protection Work \$ 700.00

Fire Alarm System
New 1 Existing 1

Location of Panel: _____

Fire Suppression/Standpipe System

New 1 Existing 1

Location of Main Control Valve: _____

JOB SUMMARY (Office Use Only)

PLAN REVIEW

☐ No Plans Required

Joint Plan Review Required:

☐ Building ☐ Plumbing

☐ Electric ☐ Elevator

☐ Fire Plans Approved

Date: _____

Approved by: _____

SUBCODE APPROVAL

CCO 1 CA

Date: 4/3/02

Approved by: X Motor

INSPECTIONS

Type: _____

Alarm System

Suppression Sys.

Standpipe

Fire Pump

Pre-Eng. System

Mechanical

Smoke Control

TCO

Final

Other SES

Dates (Month/Day)
Failure Failure Approval Initial



Date Received
Date Issued
Control #
Permit #

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK:

NEW SINGLE FAMILY

Water Supply Source _____

Method of Alarm/Suppression System Supervision _____

Storage Tanks

Type: ☐ Flammable Liquid ☐ Combustible Liquid

☐ LPG ☐ LNG Capacity _____ Fuel _____

Alarm Systems ☐ 110v Interconnected **NUMBER**

☐ System

Alarm Devices (i.e., smoke, heat, puls, water/flow)

Supervisory Devices (i.e., tamper, low/high air)

Signalling Devices (i.e., horns/strobes, bells)

Other Devices _____

TOTAL 7

Suppression Systems

Fire Pump _____ GPM Type _____

Dry Pipe/Alarm Valves _____

Pre-action Valves _____

Sprinkler Heads (Dry and Wet) _____

Standpipes _____

Pre-engineered Systems

Wet Chemical _____

Dry Chemical _____

CO₂ Suppression _____

Foam Suppression _____

Halon Suppression _____

Other _____

Kitchen Hood Exhaust System _____

Smoke Control System _____

Gas ☐ or Oil ☐ Fired Appliances _____

Other _____

FEE (Office Use Only)

Administrative Surcharge \$ _____

Minimum Fee \$ _____

DCA Training Fee \$ _____

TOTAL FEE \$ _____

Signature _____



**FIRE
SUBCODE
TECHNICAL SECTION**



Date Received
Date Issued
Control #
Permit #

D. TECHNICAL SITE DATA

8-6-01
01-1686

DESCRIPTION OF WORK:

NEW SINGLE FAMILY

Water Supply Source

Method of Alarm/Suppression System Supervision

FEE (Office Use Only)

Storage Tanks

Type: ☐ Flammable Liquid, ☐ Combustible Liquid
☐ LPG, ☐ LNG Capacity Fuel

Alarm Systems ☐ 110v Interconnected ☐ System NUMBER

Alarm Devices (i.e., smoke, heat, pull, water/flow)

Supervisory Devices (i.e., tamper, low/high air)

Signaling Devices (i.e., horns/strobes, bells)

Other Devices

TOTAL

Suppression Systems

Fire Pump GPM Type

Dry Pipe/Alarm Valves

Pre-action Valves

Sprinkler Heads (Dry and Wet)

Standpipes

Pre-engineered Systems

Wet Chemical

Dry Chemical

CO₂ Suppression

Foam Suppression

Halon Suppression

Other

Kitchen Hood Exhaust System

Smoke Control System

Gas ☐ or Oil ☐ Fired Appliances

Other

Administrative Surcharge

Minimum Fee

DCA Training Fee

TOTAL FEE

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

Block 147 Lot 138.07

Work Site Location GREEN TREE ESTATES

Owner in Fee HOUSTON, UT. GREEN TREE LLC

Address 3116TH AVE BELMAR, NJ 07719

Telephone (201) 280-9132

Contractor SAME

Address

Telephone

Fax

Federal Emp. No. 031172

Use Group Present Proposed

Const. Class Present Proposed

Heating Systems ☒ New ☐ Existing ☐ HVAC

Type: ☒ Gas ☐ Oil ☐ Electric ☐ Solar

Location: BASEMENT ATTIC

Total Cost of Fire Protection Work \$ 700.00

PLAN REVIEW

Joint Plan Review Required:

☐ Building ☐ Plumbing

☐ Electric ☐ Elevator

☐ Fire Plans Approved

Date:

Approved by:

SUBCODE APPROVAL

☐ CO ☐ CCO ☐ CA

Date:

Approved by:

SUBCODE APPROVAL

☐ CO ☐ CCO ☐ CA

Date:

Approved by:

SUBCODE APPROVAL

☐ CO ☐ CCO ☐ CA

Date:

Approved by:

SUBCODE APPROVAL

☐ CO ☐ CCO ☐ CA

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Date:

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Date:

Approved by:

SUBCODE APPROVAL

☐ CO ☐ CCO ☐ CA

Date:

Approved by:

SUBCODE APPROVAL

☐ CO ☐ CCO ☐ CA

Date:

Approved by:

SUBCODE APPROVAL

☐ CO ☐ CCO ☐ CA

Date:

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Date:

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SUBCODE APPROVAL

☐ CO ☐ CCO ☐ CA

Date:

Approved by:

SUBCODE APPROVAL

☐ CO ☐ CCO ☐ CA

Date:

Approved by:

SUBCODE APPROVAL

☐ CO ☐ CCO ☐ CA

Date:

Approved by:

SUBCODE APPROVAL

☐ CO ☐ CCO ☐ CA

Date:

Approved by:

SUBCODE APPROVAL

☐ CO ☐ CCO ☐ CA

Date:

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Approved by:

SUBCODE APPROVAL

☐ CO ☐ CCO ☐ CA

Date:

Approved by:

SUBCODE APPROVAL

☐ CO ☐ CCO ☐ CA

Date:

Approved by:

SUBCODE APPROVAL

☐ CO ☐ CCO ☐ CA



**FIRE
SUBCODE
TECHNICAL SECTION**

* U.I. DATE * 5-6-02
Date Received
Date Issued
Control # 18575
Permit # 20011686

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

Block 194 Lot 130.07
Work Site Location GREEN TREE

Owner in Fee DIAMOND DELL AT GREEN TREE ESTATE
Address 8111 16TH AVE BELMAR NJ 07719

Tele. (732) 280 90 90
Contractor SAME
Address _____

Tele. (_____) Fax (_____)
Lic. No. 034172
Federal Emp. No. 371537B

B. FIRE PROTECTION CHARACTERISTICS

Use Group Present R-3 Proposed R-3
Consent Class Present Proposed S-B
Heating Systems ☒ New ☐ Existing ☐ HVAC
Type: ☒ Gas ☐ Oil ☐ Electric ☐ Solar
Location: BASEMENT
Total Cost of Fire Protection Work \$ 25.00

PLAN REVIEW		INSPECTIONS	
[] No Plans Required		Type:	Dates (Month/Day)
Joint Plan Review Required:		Alarm System	Failure Failure Approval Initial
[] Building	[] Plumbing	Suppression Sys.	
[] Electric	[] Elevator	Standpipe	
[] Fire Alarm	[] Fire Pump	Fire Pump	
Date: <u>5/6/02</u>	Approved by: <u>[Signature]</u>	Pre-Eng. System	
SUBCODE APPROVAL		Mechanical	
[] CO	[] CCO	Smoke Control	
[] CA		TCO	
		Final	
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: S.F.D. FINISHED BASEMENT
Water Supply Source _____
Method of Alarm/Suppression System Supervision _____

Storage Tanks		FEE (Office Use Only)	
Type: [] Flammable Liquid [] Combustible Liquid	Fuel		
[] LPG [] LNG Capacity _____			
Alarm Systems [] 110v Interconnected	NUMBER		
[] System			
Alarm Devices (i.e., smoke, heat, pulls, water/flow)			
Supervisory Devices (i.e., tampers, low/high air)			
Signaling Devices (i.e., horn/strobes, bells)			
Other Devices _____			
TOTAL			
Suppression Systems			
Fire Pump _____ GPM Type _____			
Dry Pipe/Alarm Valves			
Pre-action Valves			
Sprinkler Heads (Dry and Wet)			
Standpipes			
Pre-engineered Systems			
Wet Chemical			
Dry Chemical			
CO ₂ Suppression			
Foam Suppression			
Halogen Suppression			
Other <u>BASEMENT</u>			
Kitchen Hood Exhaust System			
Smoke Control System			
Gas <u>BASEMENT</u>			
Other <u>BASEMENT</u>			

Township of Howell
Preventorium Road - P.O. Box 580
Howell, New Jersey 07731



**PLUMBING
SUBCODE
TECHNICAL SECTION**



Date Received
Date Issued
Control #
Permit #

6-10-02
19302
20011686-2

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION, WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-327-1000.

Block 144 Lot 135.07

Work Site Location 10 GREEN TREE CT., HOWELL NJ. 07731

Owner in Fee BLAMAND DEV. AT GREEN TREE EST. L.L.C.
Address 811 16TH AVE BELMAN NJ 07719

Tele. (732) 280-9090

Contractor PROFESSIONAL PLUMBING

Address 787 RT. 9

Tele. (609) 971-1647 Fax ()

Lic. No. AI 09918

Federal Emp. No. 000000000

B. PLUMBING CHARACTERISTICS

Use Group Present R-3 Proposed R-3

Building Sewer Size 4" Public Sewer X Private Septic X

Water Service Size 1" Public Water X Private Well

Est. Cost of Plumbing Work \$ 300.00

JOB SUMMARY (Office Use Only)

PLAN REVIEW

☐ No Plans Required
Joint Plan Review Required:

☐ Building ☐ Electric

☐ Fire ☐ Elevator

☒ Plumbing Plans Approved

Date: 6/10/02

Approved by: Howell

SUBCODE APPROVAL

☒ CO ☐ CCO ☐ CA

Date: 6/10/02

Approved by: Howell

INSPECTIONS

Type: Failure Failure Approval Initial

Slab

Rough

Water

Sewer

Fixtures

Gas Equipment

Gas Piping

Solar

TCO

D. TECHNICAL SITE DATA (List of all fixtures.)

NO.

FIXTURE/EQUIPMENT

Water Closet

Urinal/Bidet

Bath Tub

Lavatory

Shower

Floor Drain

Sink

Dishwasher

Drinking Fountain

Washing Machine

Hose Bibb

Water Heater

Fuel Oil Piping

Gas Piping

Steam Boiler

Hot Water Boiler

Sewer Pump

Interceptor/Separator

Backflow Preventer

Grease/Trap

Sewer Connection

Water Service Connection

Stacks

Other

Other

Other

FEE (Office Use Only)

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Administrative Surcharge

Minimum Fee

DCA Training Fee

TOTAL FEE

\$ 10

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\$

I hereby certify that I am the (agent or) owner of record and am authorized to make this application and perform the work listed on this application.

C. CERTIFICATION IN LIEU OF OATH

Signature of Contractor's Seal

☐ Licensed Plumbing Contractor ☐ Exempt Applicant

U.C. F.130
(rev. 3/99)

1 White = Inspector Copy
3 Pink = Office Copy

2 Canary = Office Copy
4 Gold = Applicant Copy



PLUMBING
SUBCODE
TECHNICAL SECTION



Date Received
Date Issued
Control #
Permit #

5-6-02
18575
20011686-1

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION, WHEN CHANGING

CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000
Block 194 Lot 13507
Work Site Location GREEN TREE CT
Owner in Fee 10 BIRKA TREE CT AT GREEN TREE RST 22C
Address 2116 74 AVE BELMAR NJ. 07119

Tele. (201) 880-9098
Contractor Professional Plumbing Services Inc
Address 727 P+g Harbor NT 08234
Tele. (609) 371-1660
Lic. No. 6114918
Federal Emp. No. 5811576 or Social Security No. _____

B. PLUMBING CHARACTERISTICS

Use Group Present R-3 Proposed R-3
Building Sewer Size 4" Public Sewer 14 Private Septic ✓
Water Service Size 2" Public Water 14 Private Well _____
Estimated Cost of Plumbing Work \$ 2,500

JOB SUMMARY (Office Use Only)

PLAN REVIEW:		INSPECTIONS	
[] No Plans Required		Type:	Dates (Month/Day)
Joint Plan Review Required:		Failure	Initial
[] Bldg. [] Elec.	Slab		
[] Fire [] Elevator	Rough		
[] Plumb. Plans Approved	Water		
Date: <u>5/3/02</u>	Sewer		
Approved by: <u>Allen Stacey</u>	Fixtures		
	Gas Equipment		
	Solar		
	Gas Piping		
	TCO		
	SUBCODE APPROVAL:		
	(X) CO [] CCO [] CA		
	Approved By: <u>Allen Stacey</u>		
	Date: <u>6/10/02</u>		

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 and perform the work listed on this application.

Signature—Contractor Seal

[] Licensed Plumbing Contractor [] Exempt Applicant

D. TECHNICAL SITE DATA (List all fixtures.)

NO.	FIXTURE/EQUIPMENT	FEE (Office Use Only)
1	Water Closet	10
	Urinal/Bidet	
	Bath Tub	
	Lavatory	
	Shower	
	Floor Drain	
	Sink	
	Dishwasher	
	Drinking Fountain	
	Washing Machine	
	Hose Bibb	
	Water Heater	
	Fuel Oil Piping	
1	Gas Piping	
	Steam Boiler	
	Hot Water Boiler	
1	Sewer Pump	65
	Interceptor/Separator	
	Backflow Preventer	
	Greasetrap	
	Water Cooled AC	
	or Refrigeration Unit	
	Sewer Connection	
	Water Service Connection	
	Active Solar System	
	Other <u>Stack</u>	10

Paid [] Check # _____	Administrative Surcharge \$ <u>95</u>
	Minimum Fee \$ <u>2</u>
DCA Training Fee \$ _____	
Collected by: _____	TOTAL \$ <u>97</u>

13-6-15
Approved



PLUMBING
SUBCODE
TECHNICAL SECTION



Date Received
Date Issued
Control #
Permit #

8-6-01
01-1686

A. IDENTIFICATION - APPLICANT: COMPLETE ALL APPLICABLE INFORMATION, WHEN CHANGING

CONTRACTORS: NOT THIS OFFICE. CALL UTILITY DIG NO: 1-800-222-1000
Block: 129 Lot: 135.087

Work Site Location

GREEN TREE ESTATES

Owner in Fee

HOWELL TREE E.L.C.

Address

811 16TH AVE

Tele. ()

811 16TH AVE 07719

Contractor

PROFESSIONAL PLUMBING SERV.

Address

218 WEST 12TH ST. SUITE 9

Tele. ()

671-1667

Lic. No.

8109519

Federal Emp. No.

1111

or Social Security No.

1111

B. PLUMBING CHARACTERISTICS

Use Group Present 4453 Proposed R-3
Building Sewer Size 1/4 Public Sewer ✓ Private Septic ✓
Water Service Size 1/4 Public Water ✓ Private Well ✓
Estimated Cost of Plumbing Work \$ 2000

JOB SUMMARY (Office Use Only)

PLAN REVIEW:		INSPECTIONS	
[] No Plans Required		Type:	Dates (Month/Day)
Joint Plan Review Required:		Failure	Approval
[] Bldg. [] Elec.	Slab		
[] Fire [] Elevator	Rough		
[] Plumb. Plans Approved	Water		
	Sewer		
	Fixtures		
	Gas Equipment		
	Gas Piping		
	Solar		
	TCO		
	Find		

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 and perform the work listed on this application.

Signature - Contractor Seal

[] Licensed Plumbing Contractor [] Exempt Applicant

D. TECHNICAL SITE DATA (List all fixtures.)

NO.	FIXTURE/EQUIPMENT	FEE (Office Use Only)
3	Water Closet	
2	Urinal/Bidet	
1	Bath Tub	
1	Lavatory	
1	Shower	
1	Floor Drain	
1	Sink	
1	Dishwasher	
1	Drinking Fountain	
1	Washing Machine	
1	Hose Bibb	
1	Water Heater	
1	Fuel Oil Piping	
1	Gas Piping	
1	Steam Boiler	
1	Hot Water Boiler	
1	Sewer Pump	
1	Interceptor/Separator	
1	Backflow Preventer	
1	Grass/Trap	
1	Water Cooled A/C	
1	or Refrigeration Unit	
1	Sewer Connection	
1	Water Service Connection	
1	Active Solar System	
1	Other <u>WHIRPOOL TUB</u>	

Paid [] Check #	Administrative Surcharge \$
	Minimum Fee \$
	DCA Training Fee \$
Collected by:	TOTAL \$

6/5/02 OK Candace the line in rear of house



PLUMBING
SUBCODE
TECHNICAL SECTION



DATE 5-6-02
DATE RECEIVED 5-6-02
DATE ISSUED 18575
CONTROL # 20011686-1
PERMIT #

A. IDENTIFICATION - APPLICANT: COMPLETE ALL APPLICABLE INFORMATION, WHEN CHANGING.

CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000
Block 194
Work Site Location 10 GREEN TREE CT
Owner in Fee 10 GREEN TREE CT
Address 21174TH AVE BELMAR, N.J. 07719
Tele. (201) 380-9090
Contractor Professional Plumbing Services Inc
Address 1000 9TH AVE N NEW YORK, NY 10034
Tele. (212) 321-1400
Lic. No. B109918
Federal Emp. No. or Social Security No.

B. PLUMBING CHARACTERISTICS

Use Group Present R-3
Building Sewer Size 4" **Public Sewer** 1" **Private Septic** ☒
Water Service Size 1" **Public Water** ☒ **Private Well** ☒
Estimated Cost of Plumbing Work \$ 2,500

JOB SUMMARY (Office Use Only)

PLAN REVIEW:		INSPECTIONS							
Type:		Dates (Month/Day)							
Joint Plan Review Required:	Slab	Failure	Approval	Initial					
☐ No Plans Required	☐ Bidg. ☐ Elec.	☐ Rough	☐ Water	☐ Sewer	☐ Fixtures	☐ Gas Equipment	☐ Gas Piping	☐ Solar	☐ TCO
☐ Fire ☐ Elevator	☐ Fire ☐ Elevator	☐ Fire ☐ Elevator	☐ Fire ☐ Elevator	☐ Fire ☐ Elevator	☐ Fire ☐ Elevator	☐ Fire ☐ Elevator	☐ Fire ☐ Elevator	☐ Fire ☐ Elevator	☐ Fire ☐ Elevator
☐ Plumbing Plans Approved	☐ Plumbing Plans Approved	☐ Plumbing Plans Approved	☐ Plumbing Plans Approved	☐ Plumbing Plans Approved	☐ Plumbing Plans Approved	☐ Plumbing Plans Approved	☐ Plumbing Plans Approved	☐ Plumbing Plans Approved	☐ Plumbing Plans Approved
Date: 5/3/02	Approved by: Allen Shachtel								
SUBCODE APPROVAL:									
☐ CO ☐ CCO ☐ CA	☐ CO ☐ CCO ☐ CA								
Approved By:	Date:								

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 and perform the work listed on this application.

☐ Licensed Plumbing Contractor ☐ Exempt Applicant

Signature of Contractor Seal

D. TECHNICAL SITE DATA (List all fixtures.)

NO.	FIXTURE/EQUIPMENT	FEE (Office Use Only)
1	Water Closet	10
	Urinal/Bidet	10
	Bath Tub	
	Lavatory	
	Shower	
	Floor Drain	
	Sink	
	Dishwasher	
	Drinking Fountain	
	Washing Machine	
	Hose Bibb	
	Water Heater	
	Fuel Oil Piping	
	Gas Piping	
	Steam Boiler	
	Hot Water Boiler	
	Sewer Pump	
	Interceptor/Separator	
	Backflow Preventer	
	Greasetrap	
	Water Cooled A/C or Refrigeration Unit	
	Sewer Connection	
	Water Service Connection	
	Active Solar System	
	Other	

Paid ☐ Check #	Administrative Surcharge \$ 95
Collected by:	Minimum Fee \$ 3
	DCA Training Fee \$ 97
	TOTAL \$ 97

8-6-01



PLUMBING
SUBCODE
TECHNICAL SECTION



Date Received 8-6-01
Date Issued
Control # 01-1686
Permit #

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION, WHEN CHANGING

CONTRACTOR'S NOTICE: THIS OFFICE CALL UTILITY DIG NO: 1-800-272-1000
Block 147 Lot 35.87
Work Site Location GREEN TREE ESTATES
Owner in Fee GREEN TREE ESTATES
Address 811 16TH AVE
85L MAR AVE 07719
Tel: (201) 280-9122
Contractor Professional Plumbing Serv.
Address 2180 West 25th Ave 9
Tel: (201) 571-1651

Lic. No. 0109518 or Social Security No.
Federal Emp. No.

B. PLUMBING CHARACTERISTICS

Use Group Present 4-3 Proposed R-3
Building Sewer Size 4 1/2" Public Sewer Private Septic
Water Service Size 1" Public Water Private Well
Estimated Cost of Plumbing Work \$ 30 FEET

JOB SUMMARY (Office Use Only)

PLAN REVIEW:	INSPECTIONS	Dates (Month/Day)
	Type:	Failure Failure Approval Initial
☐ No Plans Required	Slab	
☐ Joint Plan Review Required:	Rough	
☐ Bldg. ☐ Elec.	Water	
☐ Fire ☐ Elevator	Sewer	
☐ Plumb. Plans Approved	Fixtures	
Date:	Gas Equipment	
Approved by:	Gas Piping	
SUBCODE APPROVAL:	Solar	
☐ CO ☐ CCO ☐ CA	TCO	
Approved By:		
Date:		

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 and perform the work listed on this application.

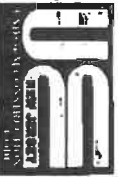
I Licensed Plumbing Contractor [] Exempt Applicant

D. TECHNICAL SITE DATA (List all fixtures.)

NO.	FIXTURE/EQUIPMENT	FEE (Office Use Only)
3	Water Closet	
2	Urinal/Bidet	
2	Bath Tub	
1	Lavatory	
1	Shower	
1	Floor Drain	
1	Sink	
1	Dishwasher	
1	Drinking Fountain	
1	Washing Machine	
1	Hose Bibb	
1	Water Heater	
1	Fuel Oil Piping	
1	Gas Piping	
1	Steam Boiler	
1	Hot Water Boiler	
1	Sewer Pump	
1	Interceptor/Separator	
1	Backflow Preventer	
1	Greasetrap	
1	Water Cooled A/C	
1	or Refrigeration Unit	
1	Sewer Connection	
1	Water Service Connection	
1	Active Solar System	
1	Other WH/POOL TUB	

Paid ☐ Check # _____ Administrative Surcharge \$ _____
Minimum Fee \$ _____
DCA Training Fee \$ _____
Collected by: _____ TOTAL \$ _____

Township of Howell
Prevention Road - P.O. Box 580
Howell, New Jersey 07731



PLUMBING
SUBCODE
TECHNICAL SECTION

UP-DATE

Date Received
Date Issued
Control #
Permit #

6-10-02
19302
20011686-2

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION, WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO. 1-800-321-1000.

Block 144 Lot 135.07

Work Site Location 10 GREEN TREE CT. HOWELL NJ 07731

Owner in Fee BIANCA D. DEY, AT GREEN TREE EST. L.L.C.
Address 311 11TH AVE BELMAR NJ 07719

Tele. (732) 280-9090

Contractor PROFESSIONAL PLUMBING

Address 7817 RT. 9

Tele. (409) 971-1667 Fax ()

Lic. No. AE09918

Federal Emp. No.

B. PLUMBING CHARACTERISTICS

Use Group Present R-3 Proposed R-3

Building Sewer Size 4" Public Sewer X Private Septic X

Water Service Size 1" Public Water X Private Well

Est. Cost of Plumbing Work \$ 300.00

JOB SUMMARY (Office Use Only)

PLAN REVIEW

☐ No Plans Required
Joint Plan Review Required:

☐ Building ☐ Electric
☐ Fire ☐ Elevator
☐ Plumbing Plans Approved

Date: 6/10/02
Approved by: Howell

SUBCODE APPROVAL

☐ CO ☐ CCO ☐ CA

Approved by:

INSPECTIONS

Type: ☐ Failure ☐ Failure ☐ Approval ☐ Initial

Slab ☐ Rough ☐ Water ☐ Sewer ☐ Fixtures ☐ Gas Equipment ☐ Gas Piping ☐ Solar ☐ TCO ☐

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 and perform the work listed on this application.

Signature: Contractor's Seal

☐ Licensed Plumbing Contractor

☐ Exempt Applicant

U.C.C. F.130
(rev. 3/98)

1 White = Inspector Copy
3 Pink = Office Copy

2 Canary = Office Copy
4 Gold = Applicant Copy

D. TECHNICAL SITE DATA (List of all fixtures.)
NO. 1
FIXTURE/EQUIPMENT

FEE (Office Use Only)

Water Closet
Urinal/Bidet
Bath Tub
Lavatory
Shower
Floor Drain
Sink
Dishwasher
Drinking Fountain
Washing Machine
Hose Bibb
Water Heater
Fuel Oil Piping
Gas Piping
Steam Boiler
Hot Water Boiler
Sewer Pump
Interceptor/Separator
Backflow Preventer
Greasetrap
Sewer Connection
Water Service Connection
Stacks
Other
Other
Other

Administrative Surcharge \$ 10
Minimum Fee \$
DCA Training Fee \$
TOTAL FEE \$ 10.00

ENGINEERING INSPECTION REPORT
TOWNSHIP OF HOWELL, N.J.

DATE RECEIVED: 5/28/02 INSPECTION REQUESTED BY:

CASE NUMBER: 2760 DEVELOPMENT: Quentree Est.

BLOCK: 144 LOT: 135.07 SECTION: 10 Quentree Ct.

1. STREET RIGHT-OF-WAY:

- (a) Graded - Shoulder and/or Walk Area
- (b) Curb
- (c) Sidewalk
- (d) Driveway Apron
- (e) Drainage Facilities
- (f) Pavement (Base or Wearing Surface)
- (g) Construction Debris Removed

2. LIGHTING INSTALLED OPERATIONAL:

3. TRAFFIC CONTROL DEVICES:

- (a) Sign (s) Traffic Control
- (b) Sign (s) Street
- (c) Sign (s) Handicap
- (d) Marking (s) Pavement - Stop Lines
- (e) Fire Lane

4. SCREENING, FENCE (S) & LANDSCAPING:

- (a) Topsoil
- (b) Fertilizing & Seeding (Stabilized)
- (c) Shade Tree
- (d) Shrubs
- (e) Trash Screening
- (f) Screening (Fence or Plantings)

5. SOIL EROSION & SEDIMENT CONTROL:

- (a) Compliance - Certified Plan
- (b) Site Conditions - Field Observation

6. DRIVEWAY:

- (a) Surface Pavement
- (b) Base Pavement
- (c) Aggregate
- (d) Side Entry (min. 30' from garage including turnaround)

SITE GRADING:

- (a) As-built Grading Plan demonstrating positive drainage, and variation from approved plan.

- (b) Retaining Walls

8. GENERAL CLEANUP:

- (a) Lot
- (b) Adjoining buffer, open space, conservation area and, lots

RECOMMENDATION (S) AND/OR REQUIRED DOCUMENTATION:

- ☒ Meets Engineering requirements - recommend consideration for issuance of Certificate of Occupancy.
- ☐ Meets winter conditions see below for bonding requirements.
- ☐ Does not meet Engineering requirements recommend Certificate of Occupancy not be considered until site conforms.

COMMENTS:

5/28/02 Bob Law Inspector O.K.

M. C. B...
INSPECTOR

6-4-02
DATE

C. Muller
ENGINEER/STAFF

6/4/02



TOWNSHIP OF HOWELL

Chet Phillips
Electrical Subcode Official

251 Preventorium Road
P.O. Box 580
Howell, N.J. 07731

(732) 938-4500 Ext. 2408
Fax (732) 938-9645

MUNICIPALITY HOWELL TWP  **CUT-IN-CARD**

LOCATION GREENTREE COURT UTILITY CO GPU

BLK 144 LOT 135.07

OWNER GREENTREE LLC OCCUPANT N/A

"Installation in the above premises has been inspected and is
in accordance with N.E.C. and DCA requirements."

☐ FINAL ☐ TEMPORARY. This approval void after _____ days (DR# 100204793)

DESCRIPTION OF SERVICE 150 Amp 1Ø3W 240/120 VAC

INSTALLED BY SEDEYN ELL LICENSE NO 14467

DATE 1/14/02 PERMIT # 01-1686 INSPECTOR C. Phillips

☒ CALLED IN 1/1 Lic. No: 6515

BUREAU OF INSPECTIONS
Township of Howell

Correction Notice

Permit # ~~2012~~ Location 144 / 135.07

I have, on this day, inspected this structure and these premises and have found the following violations of the State Regulations governing same:

- ☒ CK rear condensate line not through siding
- ☒ Install dishwasher cover
- ☒ Missing stove
- ☒ Seal holes under vanity
- ☒ Water to hot 125°F in tub & shower
- ☒ " " 125°F " master bath stall shower
- ☒ Secure gas line in attic
- ☒ Missing purple primer on down stair Furnace & supply every 4 ft.
- ☒ Need update gas schematic for extra Furnace
- ☒ T.D. Gas line
- ☒ Read manufacture installation instructions for whirlpool
- ☒ A/C Condensers

You are hereby notified that no more work shall be done upon these premises until the above violations are corrected. When corrections have been made, call for reinspection, 938-4500.

DATE 6/5/02 SCO ALC

DO NOT REMOVE THIS TAG

Correction Notice

Permit 2001-1664 Location 444 / 135.02

I have, on this day, inspected this structure and these premises and have found the following violations of the State Regulations governing same:

- ① Need Electric Appliances
- ② Put 4" Concrete Lip Around
Sheetrock Touchin' Garage Floor
Box Out.
- ③ Only 30" width Hallway
in Basement
- ④ Need 1 1/2" Space Between Horizontal
Sheetrock
- ⑤ Complete plywood walk to furnace
in Attic
- ⑥ Fix Leaky S.D.S. in Kitchen Window
- ⑦ Fix Front Porch Drain Pipe
Behind Siding

You are hereby notified that no more work shall be done upon these premises until the above violations are corrected. When corrections have been made, call for reinspection, 938-4500.

DATE 6/5/02 SCO JSO

DO NOT REMOVE THIS TAG

C4 IP'S 4/12/29

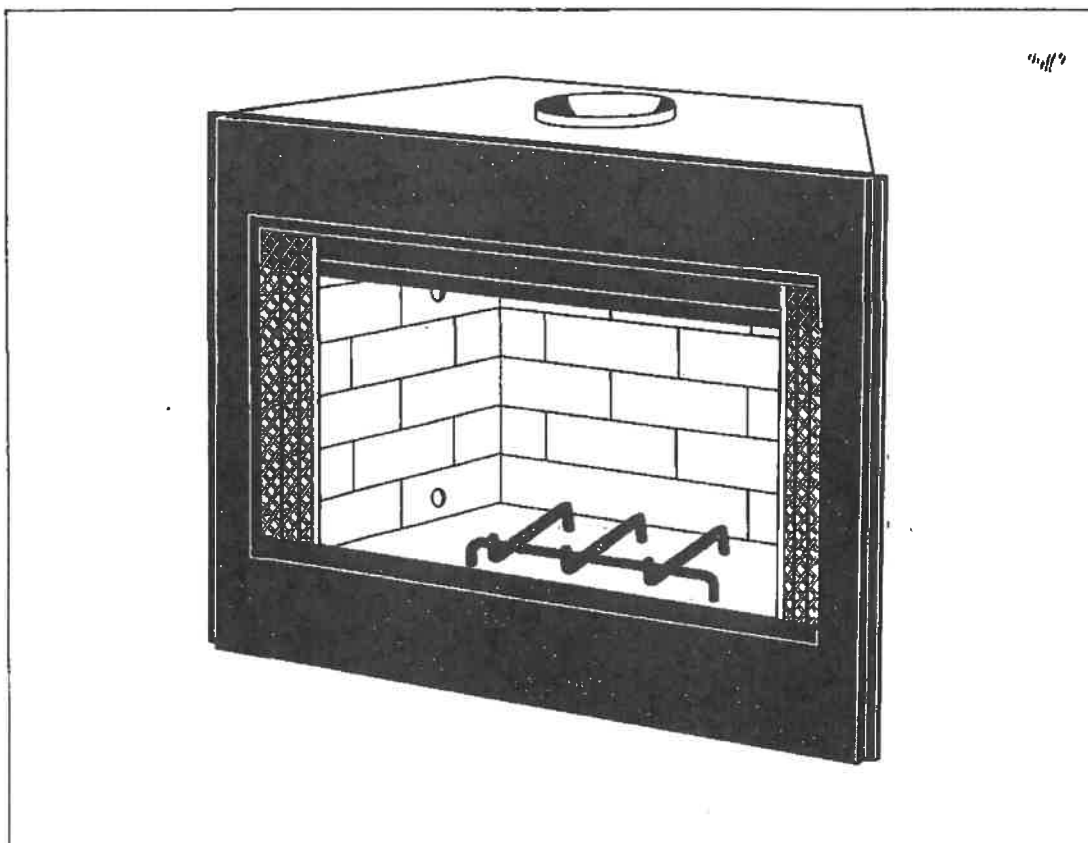
heatilator®

The first name in fireplaces



Heatilator Inc.
1915 W. Saunders Street
Mt. Pleasant, IA 52641
a HON INDUSTRIES company

HR36 HC36 WOODBURNING FIREPLACE INSTALLATION & OPERATING INSTRUCTIONS FOR RESIDENTIAL USE



Model HR36 shown

PLEASE RETAIN THIS MANUAL FOR FUTURE REFERENCE.

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Safety Precautions

1. Please read these installation instructions completely before beginning installation procedures. Failure to follow them could cause a fireplace malfunction resulting in serious injury and/or property damage.
 2. Always check your local building codes prior to installation. The installation must comply with all local, regional, state and national codes and regulations.
 3. An adequate supply of replacement combustion air from outside the house must be available to the fire for the fireplace to operate properly. To achieve this, an optional outside air kit is highly recommended.

In the event the home is unusually tight, the optional combustion air kit may not provide all the air required to support combustion. Heatilator is not responsible for any smoking or related problems that may result from the lack of adequate combustion air. It is the responsibility of the builder/contractor to ensure that adequate combustion air has been provided for the fireplace.
 4. The H. Series woodburning fireplace must be installed with the SL300 Series chimney system.
- The chimney system must always terminate outside the building. Be sure to follow all chimney specifications given in these installation instructions.
5. NEVER leave children unattended when there is a fire burning in the fireplace.
 6. This fireplace is built for solid fuel only. DO NOT use chimney cleaners or flame colorants in your fireplace.
 7. NEVER use gasoline, gasoline type lantern fuel, kerosene, charcoal lighter fluid, or similar liquids in this fireplace. Keep any flammable liquids a safe distance from the fireplace.
 8. The flue damper must be open at all times when the fireplace is in use.
 9. While servicing this fireplace, always shut off any electricity or gas to the fireplace. This will prevent possible electrical shock or burns. Also, make sure the unit is completely cooled before servicing.
 10. To ensure a safe fireplace system and to prevent the buildup of soot and creosote, inspect and clean the fireplace and chimney prior to use and periodically during the burning season.



LISTINGS AND CODE APPROVALS

The H Series fireplace system has been tested and listed in accordance with the UL127 Standards, and has been listed by Underwriters Laboratories Inc. for installation and operation in the United States as described in these Installation & Operating Instructions.

The H Series fireplaces have been tested and listed for use with the optional components given on page 4. These optional components may be purchased separately and installed at a later date. However, installation of an outside air kit will require significant reconstruction, and should be installed at the time of

the initial fireplace installation.

Check with your local building code agency prior to installing this fireplace to ensure compliance with local codes, including the need for permits and follow-up inspections. If any assistance is required during installation, please contact your local dealer or the Heatilator Customer Relations Department, 1915 W. Saunders Street, Mt. Pleasant, Iowa 52641.

HEATILATOR® is a registered trademark of Heatilator Inc., a HON INDUSTRIES company.

WARNING

THIS HEATILATOR FIREPLACE AND ITS COMPONENTS ARE DESIGNED TO BE INSTALLED AND OPERATED AS A SYSTEM. ANY ALTERATION TO OR SUBSTITUTION FOR ITEMS IN THIS SYSTEM, UNLESS ALLOWED BY THESE INSTALLATION INSTRUCTIONS, WILL VOID THE UNDERWRITERS LABORATORIES LISTING AND MAY VOID THE PRODUCT WARRANTY. IT MAY ALSO CREATE A HAZARDOUS INSTALLATION. READ THROUGH THESE INSTRUCTIONS THOROUGHLY BEFORE STARTING YOUR INSTALLATION AND FOLLOW THEM CAREFULLY THROUGHOUT YOUR PROJECT.

DESCRIPTION OF THE FIREPLACE SYSTEM

The HEATILATOR® fireplace system consists of the following:

1. Fireplace/Integral Grate
2. Hearth Extension
3. Chimney System
4. Chimney Termination Cap

Optional components include:

1. Glass Doors
2. Outside Combustion Air System
3. Heat Circulating Fans

NOTE: Illustrations throughout these instructions reflect "typical installations" and are for design purposes only. Actual installation may vary slightly due to individual design preferences. However, minimum and maximum clearances must be maintained at all times.

The illustrations and diagrams used throughout these installation instructions are not drawn to scale.

Tools and Building Supplies Normally Required

Tools	Building Supplies
Saw	Hearth extension material
Pliers	Wall-finishing materials
Hammer	Framing material
Phillips screwdriver	Fireplace surround
Tape measure	Caulking material
Plumb line	
Leveler	
Electrical drill and bits	
Square	

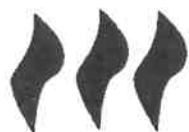


FIREPLACE SYSTEM COMPONENTS

The table below, together with the following pictures, show only those components which may

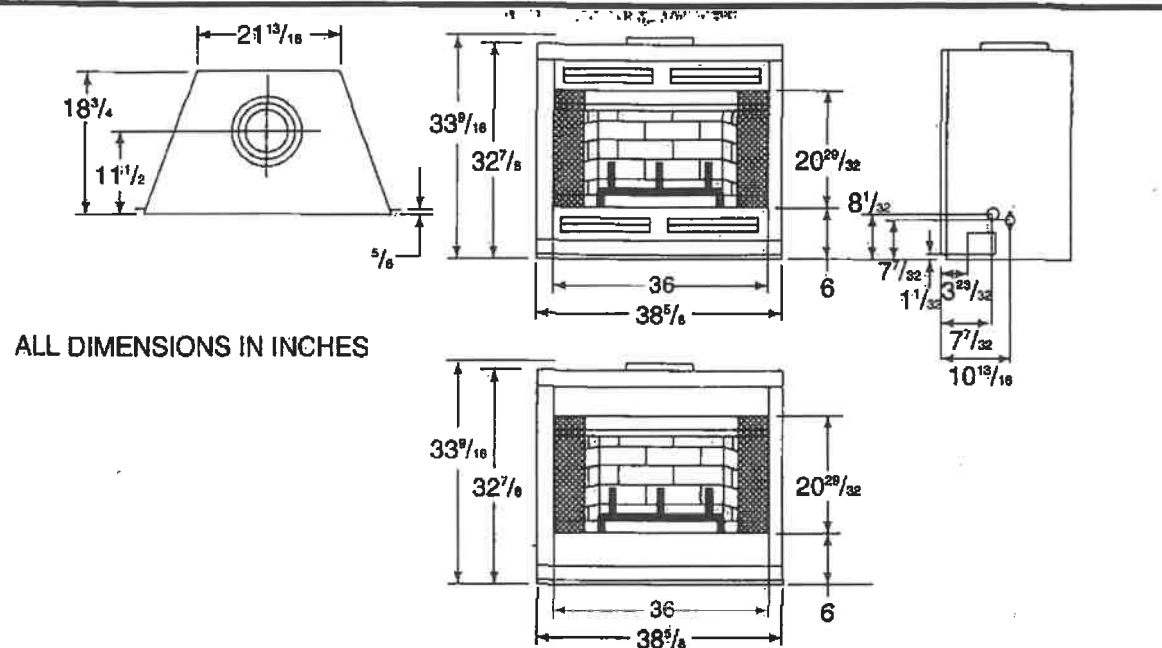
be safely used with this fireplace.

Catalog Number	Description
HR36	Radiant Fireplace, includes integral grate and hearth protection strips
HC36	Heat Circulating Fireplace, includes integral grate and hearth protection strips
HX3	Hearth Extension
DM1036	Glass Doors - Original Series, Black
DM1036A	Glass Doors - Original Series, Brushed Brass Finish
DM1036B	Glass Doors - Original Series, Polished Brass Finish
GR16	Integral Grate (included with Fireplace)
AK22	Outside Air Kit
FK22	Fan Kit with electrical junction box (HC36 ONLY)
BC10	Fan motor rheostat control
JK9	Electrical Junction Box (HC36 ONLY)
ID4	Insulated Duct/Outside Air
UD4	Uninsulated Duct/Outside Air
SL306	Chimney Section - 6 inch long
SL312	Chimney Section - 12 inch long
SL318	Chimney Section - 18 inch long
SL324	Chimney Section - 24 inch long
SL336	Chimney Section - 36 inch long
SL348	Chimney Section - 48 inch long
SL3	Chimney Stabilizer
SL315	Chimney Offset/Return - 15°
SL330	Chimney Offset/Return - 30°
FS338	Firestop - Straight
FS339	Firestop - 15°
FS340	Firestop - 30°
AS8	SL300 Straight Attic Insulation Shield, 24"
JB877	Chimney Joint Band
CB876	Chimney Bracket
RF370	Roof Flashing - Flat to 6/12 Pitch
RF371	Roof Flashing - 6/12 to 12/12 Pitch
TR342	Telescoping Chimney Terminal Cap - Round
TR344	Chimney Terminal Cap - Round (Storm collar included)
ST375	Chimney Terminal Cap - Square
ST376	Telescoping Chimney Terminal Cap - Square
CT35	Chase Top
TS344	Square Termination System
SK44	Square Termination Decorative Skirt



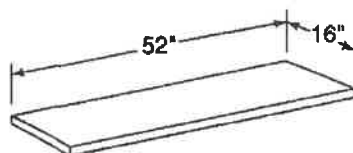
H SERIES WOODBURNING FIREPLACE

heatilator
The first name in fireplaces



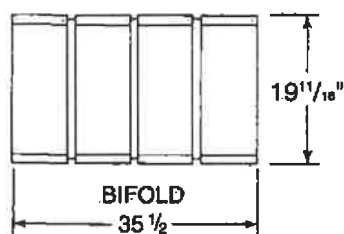
ALL DIMENSIONS IN INCHES

HEARTH EXTENSIONS



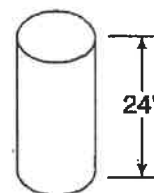
HX3

GLASS DOORS



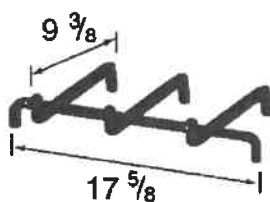
DM1036

STRAIGHT ATTIC INSULATION SHIELD



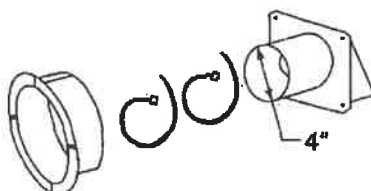
AS8

INTEGRAL GRATES



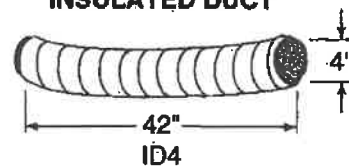
GR16

OUTSIDE AIR KIT

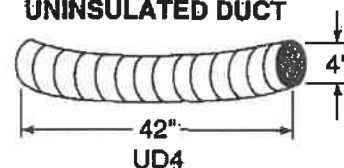


AK22

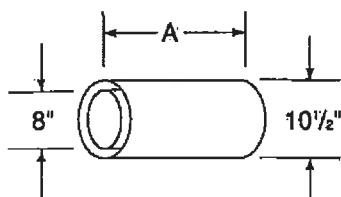
INSULATED DUCT



UNINSULATED DUCT



CHIMNEY SECTIONS

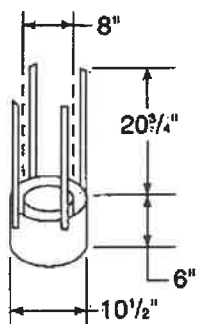


CAT. NO.	A	B
SL306	6"	4 ³ / ₄ "
SL312	12"	10 ³ / ₄ "
SL318	18"	16 ³ / ₄ "
SL324	24"	22 ³ / ₄ "
SL336	36"	34 ³ / ₄ "
SL348	48"	46 ³ / ₄ "

A= Actual length

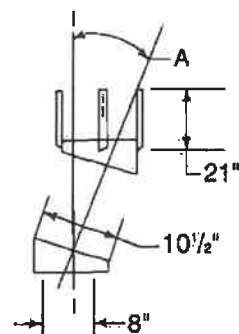
B= Effective length (length of chimney part after it has been snapped to another)

CHIMNEY STABILIZER



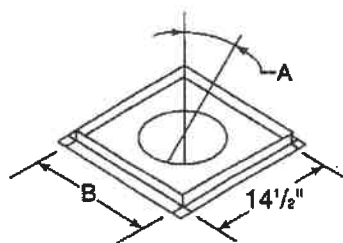
SL3

OFFSETS/RETURNS



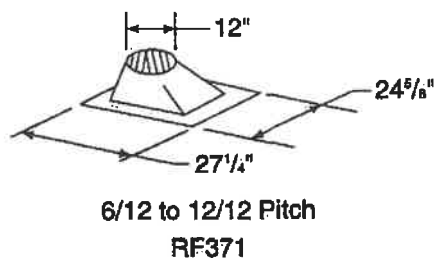
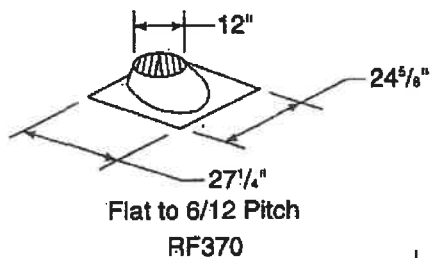
CAT. NO.	A
SL315	15°
SL330	30°

FIRESTOP SPACERS

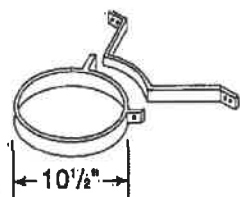


CAT. NO.	A	B
FS338	0°	14 ¹ / ₂ "
FS339	15°	18 ³ / ₈ "
FS340	30°	22 ¹⁵ / ₁₆ "

ROOF FLASHINGS

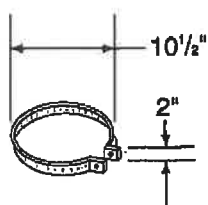


CHIMNEY BRACKET



CB876

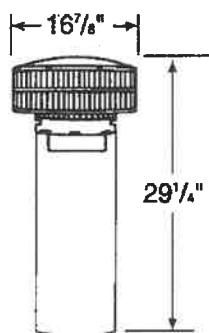
JOINT BAND



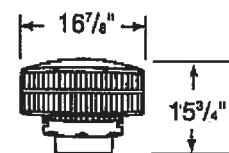
JB877



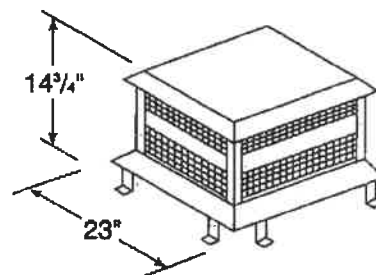
CHIMNEY TERMINAL CAPS & VENT SECTIONS



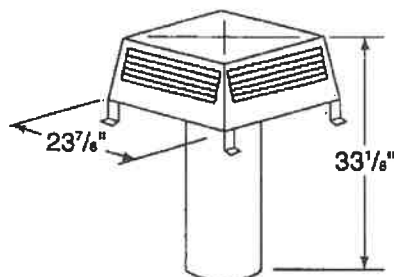
TR342
ROUND TERMINAL CAP



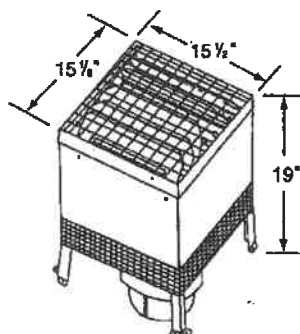
TR344
ROUND TERMINAL CAP
WITH STORM COLLAR



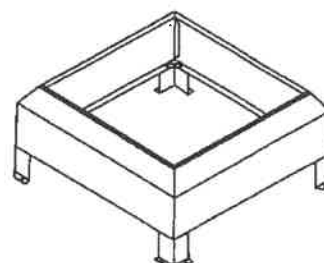
ST375
SQUARE TERMINAL CAP



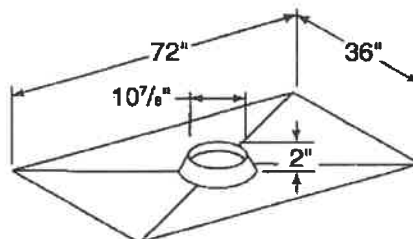
ST376
SQUARE TERMINAL CAP



TS344
SQUARE TERMINATION
SYSTEM



SK44
SQUARE TERMINATION
DECORATIVE SKIRT



CT35
CHASE TOP



PRE-INSTALLATION PREPARATION

FIREPLACE LOCATIONS AND SPACE REQUIREMENTS

Several options are available to you when choosing a location for your fireplace. This fireplace may be

used as a room divider, installed along a wall, across a corner or use an exterior chase. See Figure 1.

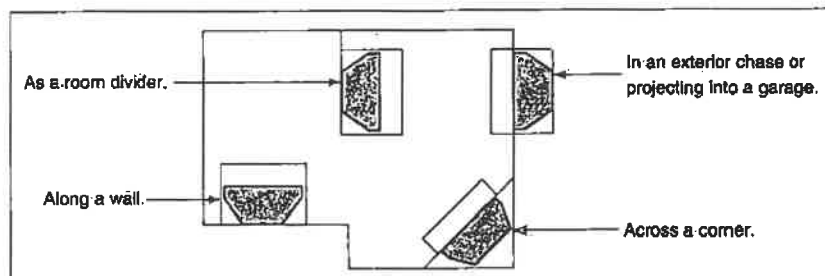


Figure 1
Fireplace Locations

Figures 2 and 3 show two typical installations assuming an outside air kit is being used. Therefore, an allowance must be made for 90° bends. Less space

is required when ducting goes directly outside without forming elbows.

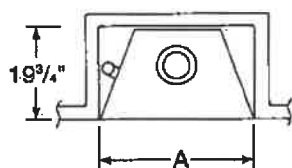


Figure 2
Installation along a wall or an exterior chase.

WITHOUT OUTSIDE AIR

CAT. NO.	A
HR36	39 ⁵ / ₈
HC36	39 ⁵ / ₈

WITH OUTSIDE AIR

CAT. NO.	A
HR36	39 ⁵ / ₈
HC36	39 ⁵ / ₈

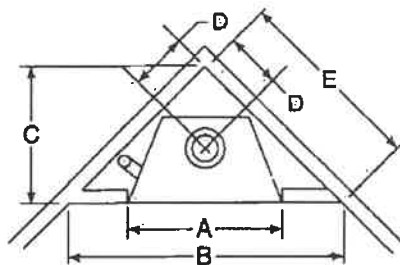


Figure 3
Corner Installation

WITH OR WITHOUT OUTSIDE AIR

CAT. NO.	A	B	C	D	E
HR36	39 ⁵ / ₈	62 ⁹ / ₁₆	31 ¹ / ₁₆	13 ⁷ / ₈	43 ¹⁵ / ₁₆
HC36	39 ⁵ / ₈	62 ⁹ / ₁₆	31 ¹ / ₁₆	13 ⁷ / ₈	43 ¹⁵ / ₁₆

* A minimum of 1" air clearance must be maintained between the firebox and wall.

WARNING

DO NOT DRAW OUTSIDE AIR FROM GARAGE SPACES. EXHAUST PRODUCTS OF GASOLINE ENGINES ARE HAZARDOUS.

DO NOT INSTALL OUTSIDE AIR DUCTS SUCH THAT THE AIR MAY BE DRAWN FROM ATTIC SPACES, BASEMENTS OR ABOVE THE ROOF WHERE OTHER HEATING APPLIANCES OR FANS AND CHIMNEYS EXHAUST OR UTILIZE AIR. THESE PRECAUTIONS WILL REDUCE THE POSSIBILITY FOR SMOKING OR FLOW REVERSAL.



WARNING

TO PREVENT CONTACT WITH SAGGING OR LOOSE INSULATION, THE FIREPLACE MUST NOT BE INSTALLED AGAINST VAPOR BARRIERS OR EXPOSED INSULATION. LOCALIZED OVERHEATING COULD OCCUR AND A FIRE COULD RESULT.

FRAMING THE FIREPLACE

Figure 4 shows a typical framing (using 2 x 4 lumber) of the fireplace, assuming combustible materials are used. All required clearances to combustibles around the fireplace must be adhered to. Any framing across the top of the fireplace must be above the level of the hemmed edge along the top of the firebox assembly. Vertical framing at the side of the firebox assembly to which the side nailing flanges are attached must be

perpendicular to the face of the fireplace and may have point contact with the side of the fireplace at the nailing flange. A 1" air clearance must be maintained at the back and sides of the firebox assembly. Chimney Sections at any level require a two inch minimum air space clearance between the framing and chimney section.

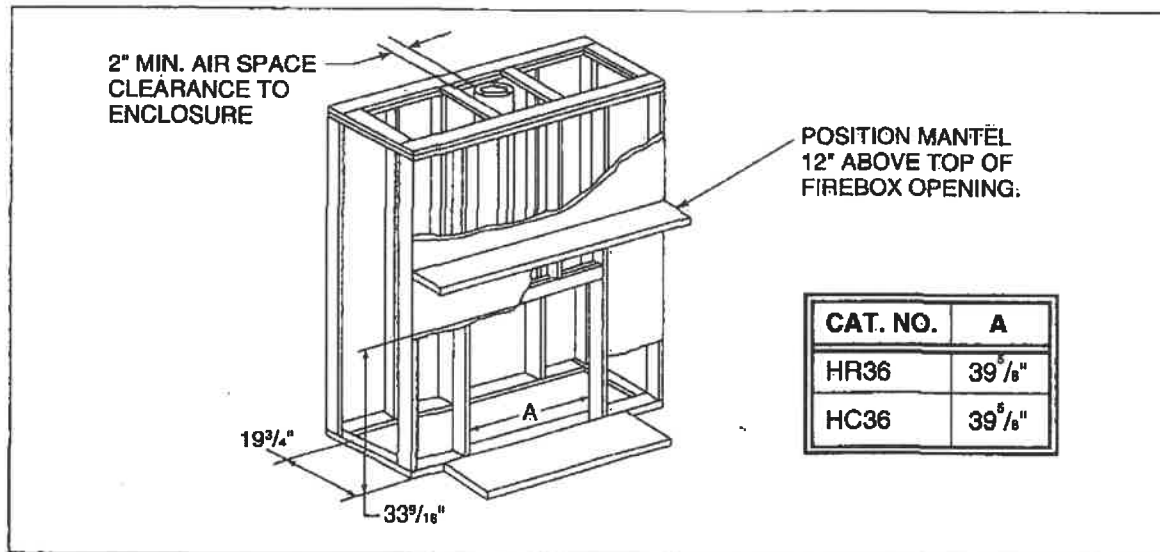


Figure 4
Framing the Fireplace

Combustible Material. Material made of or surfaced with wood, compressed paper, plant fibers, plastics, or any material capable of igniting and burning, whether flame proofed or not, plastered or unplastered.

Non-combustible Material. Material which will not ignite and burn. Such materials are those consisting entirely of steel, iron, brick, tile, concrete, slate, glass or plasters, or combination thereof.

Non-combustible Sealant Material. Sealants that will not ignite and burn; General Electric RTV103

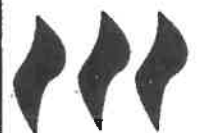
Black), or equivalent. Rutland, Inc. Fireplace Mortar #63, or equivalent.

After completing the framing and applying the facing material (dry wall) over the framing, a non-combustible sealant, one-half inch wide maximum, must be used to close off any gaps at the top and sides between the fireplace and facing to prevent cold air leaks.

Only non-combustible materials may be used to cover the black metal fireplace front.

WARNING

DO NOT APPLY FINISHING MATERIALS OVER THE BOTTOM AIR INLET SLOTS NEAR THE GLASS DOOR OPENING ON THE FACE OF THESE FIREPLACES. THIS WILL BLOCK THE FLOW OF COOLING AIR AND MAY CAUSE DANGEROUSLY HIGH TEMPERATURES ON COMBUSTIBLE SURFACES OR ON THE FIREPLACE ITSELF.



HEARTH EXTENSIONS

A hearth extension must be installed with all fireplaces. It is to protect the combustible floor in front of the fireplace from both radiant heat and sparks.

The construction of and materials used for a factory-built hearth extension are shown in Figure 5. A.

hearth extension of this construction may be covered with any non-combustible decorative material and may have a maximum thickness of 6" for the HR36 and 3" for the HC36. Seal gaps between the hearth extension and the front of the fireplace with a non-combustible sealant.

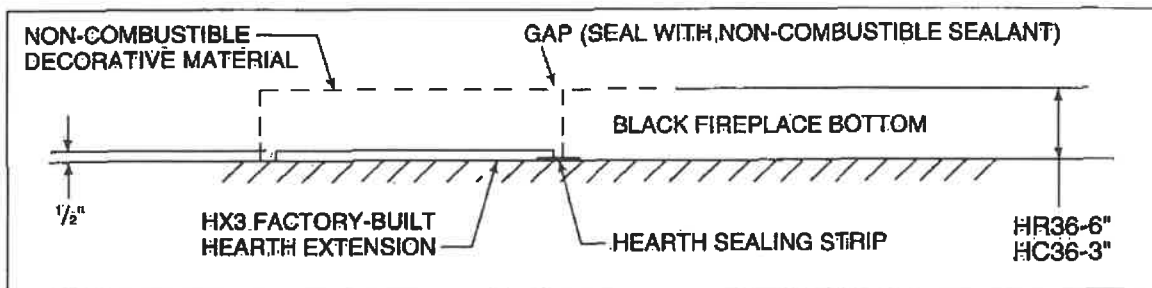


Figure 5
Factory-Built Hearth Extension

Field constructed Hearth Extensions should be constructed in accordance with the minimum dimensions provided in Figure 6.

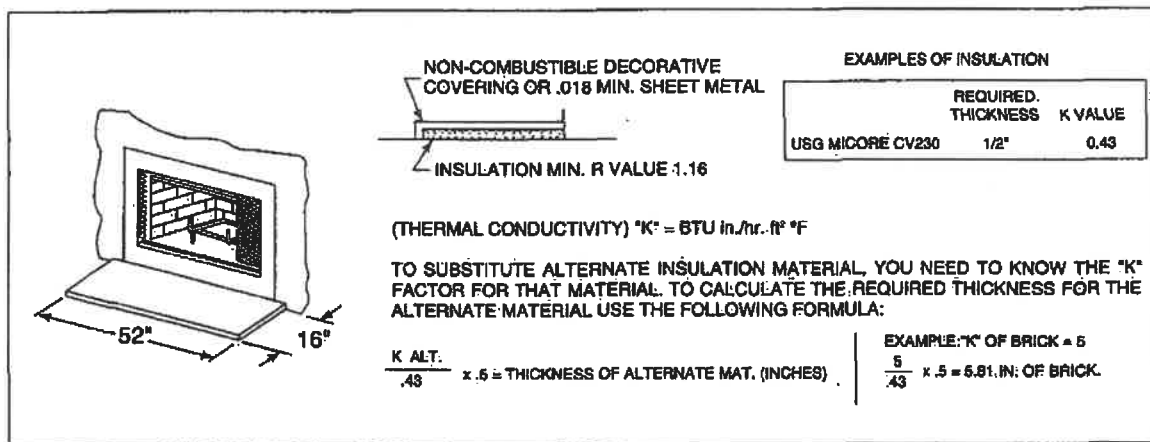
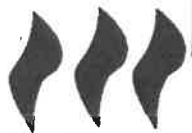


Figure 6
Hearth Extension

WARNING

HEARTH EXTENSIONS ARE TO BE INSTALLED ONLY AS ILLUSTRATED TO PREVENT HIGH TEMPERATURES FROM OCCURRING ON CONCEALED COMBUSTIBLE MATERIALS. HEARTH SEALING STRIPS PREVENT BURNING OR HOT PARTICLES FROM INADVERTENTLY FALLING DIRECTLY ON COMBUSTIBLE SURFACES IN THE EVENT THE BUILDING SHOULD SETTLE AND DISTURB THE ORIGINAL CONSTRUCTION.



SIDEWALLS/SURROUNDS

Adjacent combustible side walls must be located a minimum of 12" from the fireplace opening. See Figure 7. If you are using a decorative surround constructed of combustible material, it may be located

within the shaded area defined in Figure 7. Short stub walls are also acceptable if they are contained within the shaded area.

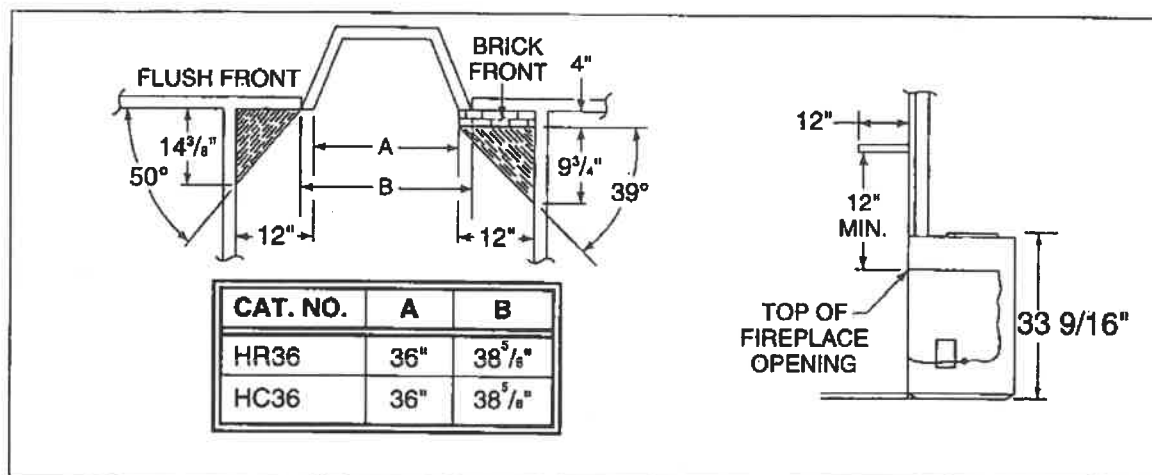


Figure 7
Sidewalls/Surrounds

MANTEL

A combustible mantel may be positioned no lower than 12" above the top of the firebox opening. The combustible mantel may have a maximum depth of 12". Combustible trim materials, projecting no more than 1 1/2" from the face of the fireplace, can be placed no closer than 6" from the top and side of the

firebox opening. (See the shaded areas on each side of the firebox, as defined in Figure 7). Combustible trim must not cover the black metal surfaces of the fireplace. This mantel clearance is in accordance with Section 7-3.3.3 of ANSI/NFPA 211.

CHIMNEY REQUIREMENTS

When planning your fireplace location, the chimney construction and necessary clearances must be considered. The fireplace system and chimney components have been tested to provide the following flexibility in construction. The following figures are the minimum distances from the base of the unit.

Minimum overall straight height	14.5 ft.
Minimum height with Offset/Return	14.5 ft.
Maximum height	90 ft.
Maximum chimney length between an Offset/Return	12 ft.
Maximum distance between Chimney Stabilizers	35 ft.
Double Offset/Return minimum height	20 ft.
Maximum unsupported chimney length between Offset/Return	6 ft.
Maximum straight unsupported chimney height above firebox	25 ft.

USING OFFSETS AND RETURNS

To bypass any overhead obstructions, the chimney may be offset using a 15° offset/return (SL315) or a 30° offset/return (SL330). Perform the following steps to determine the correct chimney component combination for your particular installation.

An offset and return may be attached together or a chimney section(s) may be used between an offset and return. However, the distance between two

elbows must never exceed 12 feet in total length.

1. Measure how far the chimney needs to be shifted to enable it to avoid the overhead obstacle. See Figure 8, dimension "A".
2. After determining the offset dimension, refer to Table 1 (page 13) and find the "A" dimension closest to but not less than the distance of shift needed for your installation.



- The "B" dimensions that coincide with the "A" dimensions represent the required vertical clearance that is needed to complete the offset and return.
- Read across the chart and find the number of chimney sections required and the model number of those particular chimney parts.
- Whenever the chimney penetrates a floor/ceiling, a firestop spacer must be installed.
- The effective height of the firebox assembly is 33 9/16".

Example: Your "A" dimension from Figure 8 is 14". Using Table 1, the dimension closest to but not less than 14" is 14 1/2" using a 30° offset/return. It is then determined from the table that you would need 33 9/16" (Dimension "B") between the offset and return. The chimney components that best fit your application are two SL312's.

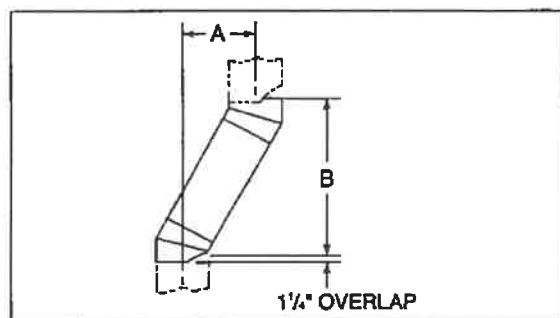


Figure 8
Chimney Offset/Return

WARNING

DO NOT COMBINE OFFSETS TO CREATE AN OFFSET GREATER THAN 30° FROM VERTICAL. THIS MAY CREATE A FIRE HAZARD SINCE THE NATURAL DRAFT MAY BE RESTRICTED.

TABLE 1

Offset Chart*

(Dimensions in inches)

15°		30°		SL306	SL312	SL318	SL324	SL336	SL348
A	B	A	B						
1 1/2	13 1/2	3 1/2	14 1/2	—	—	—	—	—	—
2 1/2	17 1/2	6 1/2	18 1/2	1	—	—	—	—	—
—	—	8 1/2	22 1/2	2	—	—	—	—	—
4 1/2	23 1/2	9 1/2	23 1/2	—	1	—	—	—	—
—	—	11 1/2	27 1/2	1	1	—	—	—	—
6 1/2	29 1/2	12 1/2	28 1/2	—	—	1	—	—	—
7 1/2	34 1/2	14 1/2	33 1/2	—	2	—	—	—	—
—	—	15 1/2	34 1/2	—	—	—	1	—	—
—	—	17 1/2	38 1/2	1	—	—	1	—	—
—	—	20 1/2	43 1/2	—	—	2	—	—	—
10 1/2	46 1/2	21 1/2	44 1/2	—	—	—	—	1	—
11 1/2	51 1/2	23 1/2	48 1/2	1	—	—	—	1	—
—	—	26 1/2	53 1/2	—	—	—	2	—	—
13 1/2	58 1/2	27 1/2	55 1/2	—	—	—	—	—	1
15 1/2	62 1/2	29 1/2	59 1/2	1	—	—	—	—	1
16 1/2	68 1/2	32 1/2	64 1/2	—	1	—	—	—	1
18 1/2	74 1/2	35 1/2	69 1/2	—	—	1	—	—	1
—	—	38 1/2	74 1/2	—	—	—	1	—	1
—	—	41 1/2	78 1/2	1	—	—	1	—	1
22 1/2	91 1/2	44 1/2	85 1/2	—	—	—	—	1	1
24 1/2	96 1/2	47 1/2	89 1/2	1	—	—	—	1	1
25 1/2	103 1/2	50 1/2	95 1/2	—	—	—	—	—	2

*Proper assembly of air cooled chimney parts result in an overlap at chimney joints of 1/4". Effective length is built into this chart.

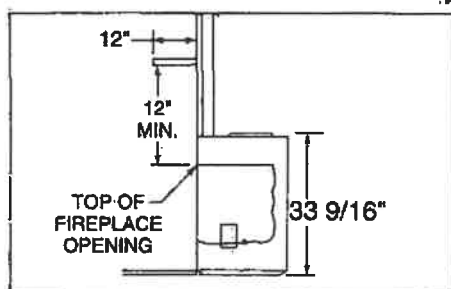


Figure 8a - Fireplace (Side View)

CHIMNEY HEIGHT REQUIREMENTS (Above the roof line)

Major building codes specify a minimum chimney height above the roof top. These specifications are summarized in what is known as the "Ten Foot Rule". This rule states: If the horizontal distance from the side of the chimney to the peak of the roof is 10 feet or less, the top of the chimney must be at least 2 feet above the peak of the roof, but never less than 3 feet in overall height above the highest point where it passes through the roof. See Figure 9.

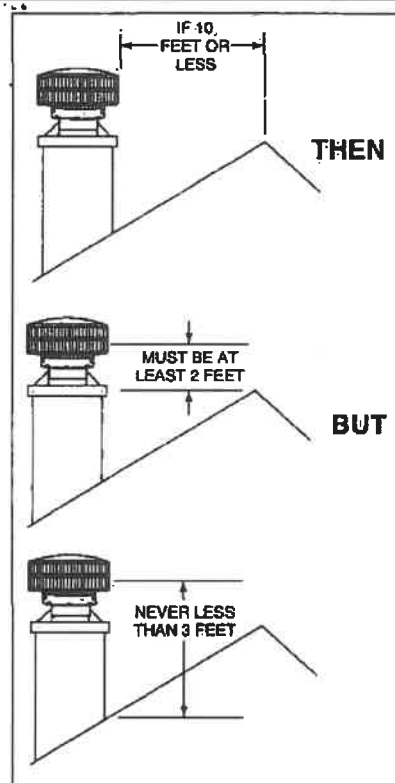
If the horizontal distance from the side of the chimney to the peak of the roof is more than 10 feet, a chimney height reference point is established on the surface of the roof a distance of 10 feet from the side of the chimney in a horizontal plane. The top of the chimney must be at least 2 feet above this reference point, but never less than 3 feet in height above the highest point where it passes through the roof.

These chimney heights are necessary in the interest of safety and do not ensure smoke-free operation. Trees, buildings, adjoining roof lines, adverse wind conditions, etc., may create a need for a taller chimney should smoking occur.

DETERMINING THE NUMBER OF CHIMNEY SECTIONS REQUIRED

To determine the chimney components needed to complete your particular installation, follow the below steps:

1. Determine the total vertical height of the fireplace installation. This dimension is measured from the base of the firebox assembly to the point where the smoke exits the terminal cap.
2. Subtract the height of the firebox assembly (33 $\frac{9}{16}$ ") from the overall height of the fireplace installation.
3. Reference the below chart to determine what components must be selected to complete the fireplace installation.
4. Determine the number of firestop spacers, stabilizers, roof flashing, etc. required to complete the fireplace installation.

Figure 9
Chimney Height

Height of Chimney Components	
Chimney Stabilizer	
SL3	4 $\frac{1}{2}$ "
Firestop Spacers	
FS338	0
FS339	0
FS340	0
Offset/Returns	
SL315	13 $\frac{1}{2}$ "
SL330	14 $\frac{1}{2}$ "
Roof Flashings	
RF370	0
RF371	0
Chimney Sections*	
SL306	4 $\frac{1}{2}$ "
SL312	10 $\frac{1}{2}$ "
SL318	16 $\frac{1}{2}$ "
SL324	22 $\frac{1}{2}$ "
SL336	34 $\frac{1}{2}$ "
SL348	46 $\frac{1}{2}$ "

*Dimensions reflect effective height.



STEP-BY-STEP INSTALLATION OF THE FIREPLACE SYSTEM

WARNING

BEFORE STARTING, DO THE FOLLOWING:

1. WEAR GLOVES AND SAFETY GLASSES FOR PROTECTION.
2. KEEP HAND TOOLS IN GOOD CONDITION. SHARPEN CUTTING EDGES AND MAKE SURE TOOL HANDLES ARE SECURE.
3. ALWAYS MAINTAIN THE MINIMUM AIR SPACE REQUIRED TO THE ENCLOSURE TO PREVENT FIRE.

STEP 1 - Positioning the fireplace

This fireplace may be placed on either a combustible or non-combustible continuous surface. Follow the instructions for framing on page 9. Be sure to provide the minimum 1" air clearance at the sides and back of the firebox assembly. Framing that is perpendicular to the fireplace front may contact the side of the firebox assembly at the nailing flanges.

STEP 2 - Placing the protective metal hearth strips

Included with your fireplace are two metal hearth strips measuring approximately 26" x 4". These strips are used to provide added protection where the fireplace and hearth extension meet.

Slide the metal strips two inches under the front edge of the fireplace with the 2 pieces overlapping other in the middle of the fireplace to provide continuous coverage of the floor. See Figure 10.

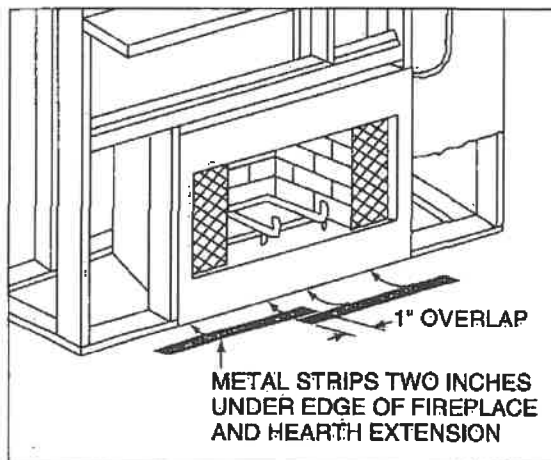


Figure 10
Positioning the metal strips

STEP 3 - Leveling the fireplace

Level the fireplace side-to-side and front-to-back. Shim with non-combustible material, such as sheet metal, as necessary.

Important: To ensure proper fit of the glass doors, check the firebox opening for squareness. Measure diagonal distances of the opening to make sure they are equal. If they do not equal, continue to shim the firebox until those diagonals correspond.

Secure the fireplace by utilizing the nailing tabs located on either side of the fireplace to the vertical framing. Hold-down tabs are provided at the base of the firebox assembly for attachment to the subfloor if desired.

NOTE: Top Header may be positioned on the hemmed seam across the top of the firebox assembly.

WARNING

CAREFULLY FOLLOW THE INSTRUCTIONS FOR ASSEMBLY OF THE PIPE AND OTHER PARTS NEEDED TO INSTALL THIS FIREPLACE SYSTEM. FAILURE TO DO SO MAY RESULT IN A FIRE, ESPECIALLY IF COMBUSTIBLES ARE TOO CLOSE TO THE FIREPLACE OR CHIMNEY AND AIR SPACES ARE BLOCKED PREVENTING THE FREE MOVEMENT OF COOLING AIR.



STEP 4 - Assembling chimney sections

Attach either a straight chimney section or an offset to the top of the fireplace depending on your installation requirement. Chimney sections and the offset sections must be secured in place on the top of the fireplace with screws to permanently attach them to the top of the fireplace. See Figure 11.

When using elbows right off of the top of the unit, you will need to flatten the lances before you slip it on the collar. Once it is on, line it up and secure it with screws to the unit collar through the slots in the elbow.

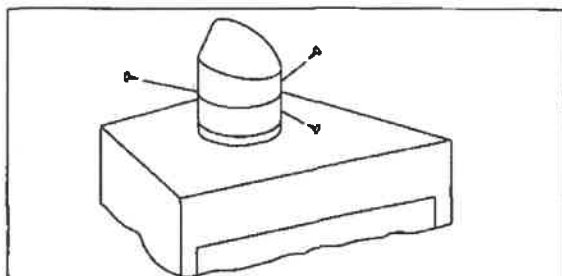


Figure 11
Offset Secured to Fireplace

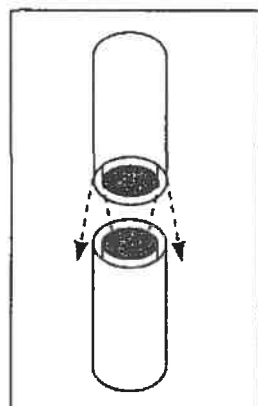


Figure 12
Connecting Chimney Sections

NOTE: The inner flue is placed to the **inside** of the flue section below it. The outer casing is placed **outside** the outer casing of the chimney section below it. See Figure 12.

STEP 5 - Preparing the ceiling for firestop spacers

Mark and cut out an opening in the ceiling for the particular firestop spacer being utilized ($14\frac{1}{2}'' \times 14\frac{1}{2}''$ for an FS338, $14\frac{1}{2}'' \times 18\frac{1}{2}''$ for an FS339, or $14\frac{1}{2}'' \times 22\frac{1}{2}''$ for an FS340). Frame the opening with the same dimension lumber used in the ceiling joists.

STEP 6 - Installing the firestop spacers

Install the firestop spacer FS338 (Straight), FS339 (if a 15° offset located is in the ceiling joist area) or FS340 (if a 30° offset is located in the ceiling joist area). Nail the four sides of the firestop spacer to the joists using a minimum of three (3) nails per side.

CAUTION

INNER FLUE AND OUTER LINER SECTIONS CANNOT BE DISASSEMBLED ONCE LOCKED TOGETHER. PLAN AHEAD TO INSURE THE PROPER INSTALLATION HEIGHT IS ACHIEVED WITH THE SELECTED CHIMNEY COMPONENTS.

These firestop spacers are designed to provide the minimum two inch air space required around the chimney. In all situations, the firestop spacers are to be nailed to the ceiling joists from the bottom or fireplace side, **EXCEPT** when the space above is an insulated ceiling or attic space. In this situation, the firestop spacer must be nailed from the top side to prevent loose insulation from falling into the required two inch air space around the chimney.

Firestop spacers must be used whenever the chimney penetrates a ceiling/floor area.

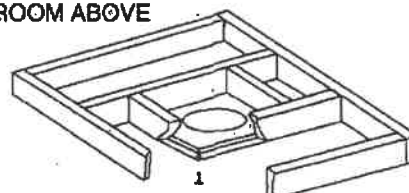
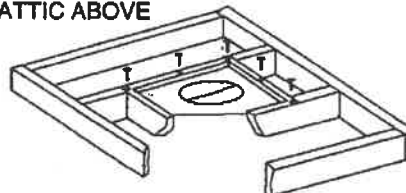
ROOM ABOVE**ATTIC ABOVE**

Figure 13
Installing the firestop spacer

STEP 7 - Installing an AS8 Insulation shield

An AS8 insulation shield should be installed when there is a possibility of insulation coming into contact with the factory-built chimney system. The AS8 is installed by positioning it over the vertical chimney section where it penetrates an FS338 firestop spacer. The FS338 will support the AS8. See Figure 14 (page 16). When the factory-built chimney penetrates an insulated ceiling at either 15° or 30° degrees from vertical, an insulation dam should be constructed from plywood or sheet metal. A minimum 2" air space must be provided between the insulation dam and the factory-built chimney system.



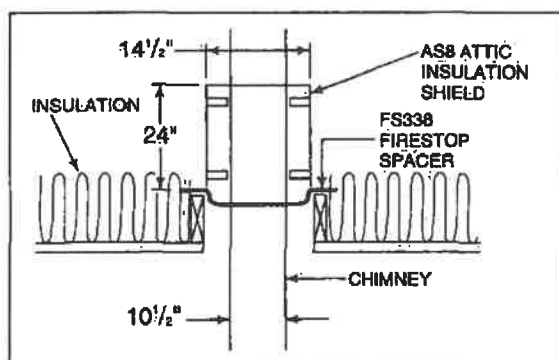


Figure 14.
Installing an AS8

STEP 8 - Double-checking chimney assembly

Continue assembling the chimney sections up through the firestop spacers as needed. While doing so, be aware of the height and unsupported chimney length limitations that are given on page 11 under "Chimney Requirements".

Check each section by pulling up slightly from the top to ensure proper engagement before installing the succeeding sections. If they have been connected correctly, they will not disengage when tested.

STEP 9 - Securing chimney system

When offsets and returns are joined to straight pipe sections, they must be locked into position with the screws provided, using the predrilled holes. To prevent gravity from pulling the chimney sections apart, the returns and the chimney stabilizers have straps for securing these parts to joists or rafters. See Figure 15.

NOTE: Be sure to provide support for the pipe during construction and check to be sure inadvertent loading has not dislodged the chimney section from the fireplace or at any chimney joint.

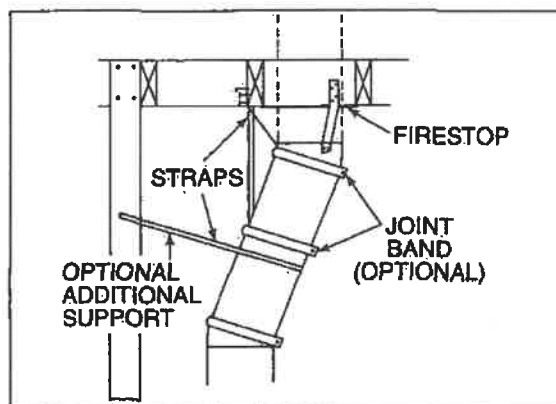


Figure 15
Offset/Return with stabilizer

WARNING

WHEN CHIMNEY SECTIONS EXCEEDING SIX FEET IN LENGTH ARE INSTALLED BETWEEN AN OFFSET/RETURN, STRUCTURAL SUPPORT MUST BE PROVIDED TO REDUCE OFF-CENTER LOADING AND PREVENT CHIMNEY SECTIONS FROM SEPARATING AT THE CHIMNEY JOINTS.

STEP 10 - Marking the exit point of the roof

Locate the point where the chimney will exit the roof by plumbing down to the center of the chimney. Drive a nail up through the roof to mark the center. See Figure 16.

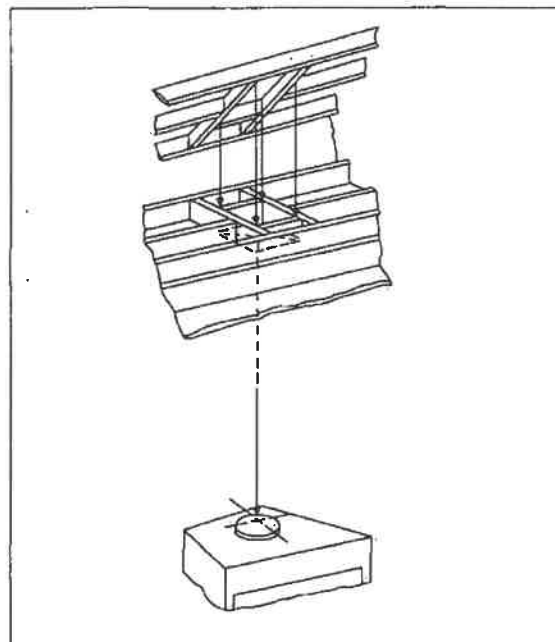


Figure 16
Ceiling and attic construction

STEP 11 - Cutting out the hole in the roof.

Measure to either side of the nail and mark the 14 1/2" x 14 1/2" opening required. This is measured on the horizontal; actual length may be larger depending on the pitch of the roof. Cut out and frame the opening. See chapter 25 of the Uniform Building Code for Roof Framing details. Be sure to maintain a 2" minimum air space between the chimney section and the roof.

STEP 12 - Assembling chimney sections

Continue to add chimney sections through the roof opening, maintaining at least a 2" air space.

STEP 13 - Installing the roof flashing (optional)

If a roof flashing is to be used, install the roof flashing appropriate to the roof pitch and install a TR344 terminal cap (round) following the instructions shipped with these accessories.

STEP 14 - Installing an outside combustion air kit

The outside air damper assembly is factory installed on the right hand side of the firebox assembly. While its use is optional, it is highly recommended to minimize the effects of negative pressure within the structure. Figure 17 illustrates two of many possible methods that can be used to supply outside air to the fireplace system. To complete the outside air system install the AK22 Outside Air Kit according to the installation instructions supplied with the components.

NOTE: The outside air kit can terminate at any level with the exception that it must terminate at least three feet below the chimney terminal cap as shown in Figure 17.

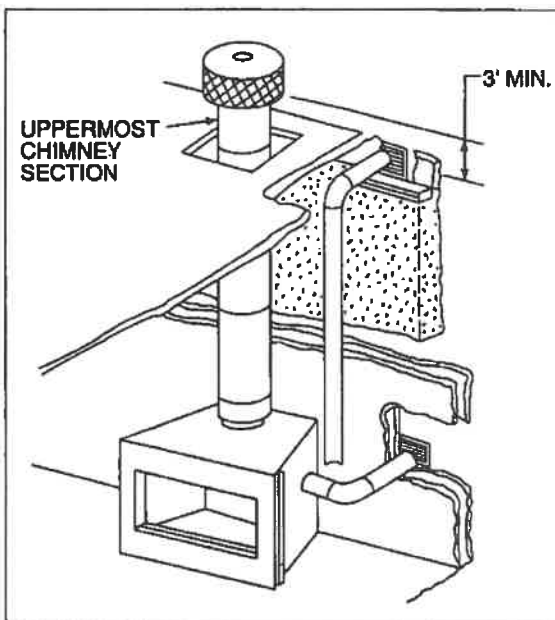


Figure 17
Outside Air Location

STEP 15 - Completion of fireplace enclosure

Complete the fireplace enclosure, allowing space for outside air ducts and gas piping if desired. Electrical wiring should not come in contact with the unit. A minimum clearance of 1" must be maintained between the fireplace sides and the enclosure as well as the fireplace back and the enclosure. See Figure 4 for framing details.

STEP 16 - Provisions for an optional gas log set

Knockouts are provided on both sides of the fireplace to allow for connection of a certified gas log lighter or a decorative gas appliance with a maximum input of 100,000 BTU/hr. incorporating an automatic gas shutoff device and complying with the Standard for Decorative Gas Appliances for installation in Vented Fireplaces, ANSI Z21.60. The decorative gas appliance should be installed in accordance with the National Fuel Gas Code, ANSI Z223.1-1980. The side refractories are designed to allow 1/2" black pipe to pass through. Use a non-combustible sealant to seal any opening between the gas pipe and refractory on the inside. Repack the insulation removed, to seal around the gas pipe where it exits the side of the fireplace. A minimum 1 1/2" air clearance must be provided to the 1/2" black pipe. See Figure 18.

This fireplace has been set up for installation of the gas pipe on the right hand side. If it is necessary to plumb the unit from the left hand side, remove the gas cover plate and gas tube from the right hand side of the unit and install on the left hand side. Cover the hole in the right hand side outershell of the fireplace with the cover plate that covered the gas tube.

WARNING

THIS FIREPLACE WAS NOT TESTED BY THE FIREPLACE MANUFACTURER FOR USE WITH AN UNVENTED GAS LOG HEATER. DO NOT INSTALL AN UNVENTED GAS LOG HEATER IN THIS FIREPLACE UNLESS IT HAS BEEN SPECIFICALLY TESTED AND LISTED BY UNDERWRITER'S LABORATORIES INC FOR USE IN THIS SPECIFIC MODEL FIREPLACE. UNLESS THE UNVENTED GAS LOG HEATER IS TESTED AND LISTED FOR USE IN THIS FACTORY-BUILT FIREPLACE, A FIRE HAZARD MAY BE CREATED THAT CAN RESULT IN A STRUCTURE FIRE.

CAUTION

WHEN USING A GAS LOG SET, THE FIREPLACE DAMPER MUST BE SET IN THE FULLY OPEN POSITION. THIS ENSURES A PROPER VENTING OF COMBUSTION PRODUCTS.



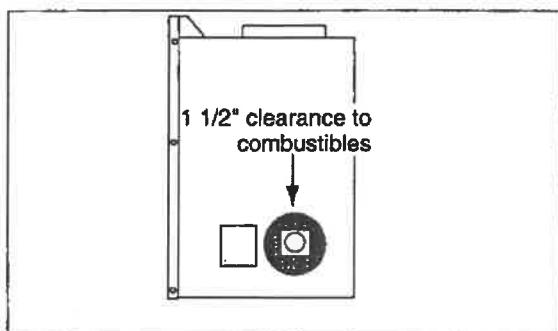


Figure 18
Gas knockout location

STEP 18 - Installing the firescreen

Attach the firescreen to the fireplace side, utilizing the (2) hairpin clips attached in the columns. Use pliers to insert the clip through the last strand of screen wire and into the hole at the midpoint of the fireplace side.

STEP 19 - Installing the glass doors

If desired, or required by local building codes, install the glass doors using the instructions supplied with the particular set of doors you have chosen.

STEP 20 - Positioning the hearth extension

Position and secure the hearth extension over the protective metal strips that have been placed partially under the firebox front. See Figure 19. These strips should be protruding approximately two inches from under the fireplace front. Seal the crack between the hearth extension and fireplace with a non-combustible sealant.

STEP 21 - Applying finishing materials on the hearth extension

Apply the non-combustible finishing material of your choice to the hearth extension. **Do not install combustible materials over the black face of the fireplace. This poses a safety hazard and may start a structure fire.** You may only use non-combustible material over the black face of the fireplace. Refer to Figure 7 for combustible material information.

Do not cover or restrict any of the louvered openings on the front face of the HC36 Fireplace. Restricting or covering the louvered opening will create a safety hazard and may start a structure fire.

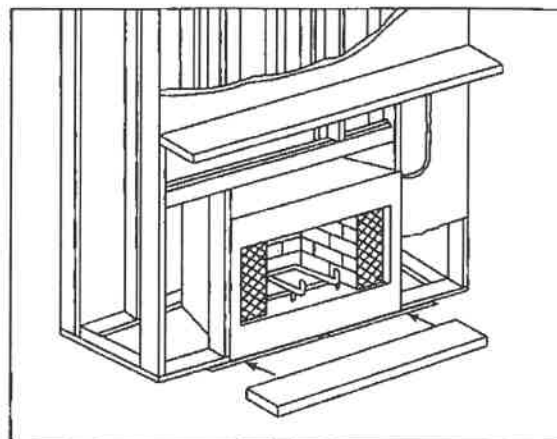


Figure 19
Positioning the Hearth Extension

CONSTRUCTING A CHASE

A chase is a vertical box-like enclosure built around the chimney and firebox. A chase may be constructed for the fireplace *and* chimney or for the chimney only. It is most commonly constructed on an outside wall.

In cold climates, it is recommended that the chase floor be insulated using batt type insulation between the floor joists.

Three examples of chase applications are shown in Figure 20.

1. Fireplace and chimney enclosed in an exterior chase.
2. Chimney offset through exterior wall and enclosed in chase.
3. Chase constructed on roof.

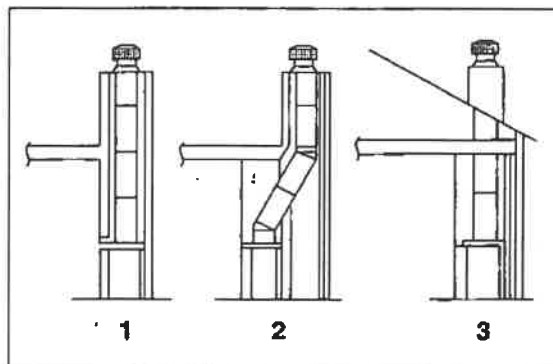
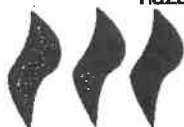


Figure 20
Chase Constructions



Materials for the chase

The chase is constructed using framing materials much the same as the walls in your home. A variety of materials may be used including brick, stone, veneer brick, or standard siding materials.

In constructing the chase, several factors must be considered.

1. Maintain a 1" minimum air space around the firebox.
2. Maintain a 2" air space around the chimney.
3. The chase top must be constructed of a non-combustible material.
4. In cold climates a firestop spacer should be installed in an insulated false ceiling at the 8 foot level above the firebox assembly. This prevents heat loss through the fireplace.
5. In cold climates, the walls of the chase should be insulated to the level of the false ceiling as shown in Figure 21. This will help prevent heat loss from the home around and through the fireplace.

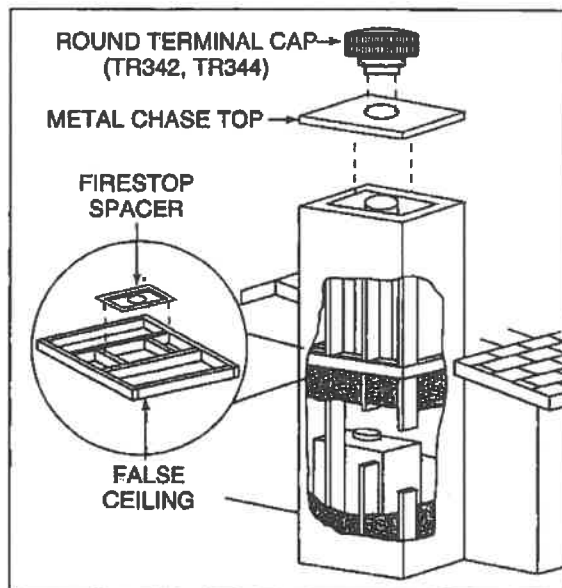


Figure 21
Chase Assembly

WARNING

DETAIL INSTRUCTIONS FOR INSTALLATION OF THE CHASE TOP, STORM COLLAR AND TERMINAL CAP ARE PACKAGED WITH THESE PARTS. TO AVOID DANGER OF FIRE, ALL INSTRUCTIONS MUST BE STRICTLY FOLLOWED, INCLUDING THE PROVISION OF AIR SPACE CLEARANCE BETWEEN CHIMNEY SYSTEM AND ENCLOSURE. TO PROTECT AGAINST THE EFFECTS OF CORROSION ON THOSE PARTS EXPOSED TO THE WEATHER, WE RECOMMEND THAT THE CHASE TOP AND TERMINAL CAP BE PAINTED WITH A RUST RESISTANT PAINT.

Installing a terminal cap on a chase enclosed chimney

Construct a chase of desired materials maintaining a minimum 2" air space around the chimney.

WARNING

NEVER INSTALL A SINGLE WALL SLIP SECTION OR SMOKE-PIPE IN A CHASE STRUCTURE. THE HIGHER TEMPERATURE OF THIS SINGLE WALL PIPE MAY RADIATE SUFFICIENT HEAT TO COMBUSTIBLE CHASE MATERIALS TO CAUSE A FIRE.

Install the chimney sections up through the chase enclosure. When using a round terminal cap (TR344), the last section of pipe must extend above the top of the chase cone to allow installation of the storm collar and terminal cap.

A telescoping round terminal cap (TR342) and a telescoping square terminal cap (ST376) are provided to simplify the installation of the terminal cap on a chase installation. The uppermost chimney section must terminate below the level of the chase top, but be no more than 15" below the level of the chase top. A 2" tall flashing collar must be provided on the chase top.

The ST375 Square Terminal Cap is intended for a chase installation. The uppermost chimney section must terminate no more than 4 3/4" below the level of the chase top. A 2" tall flashing collar must be provided on the chase top.

A special TS344 square termination is provided when a custom chimney shroud is required to provide a decorative effect. When installing the TS344, the uppermost chimney section must terminate in a range no less than 3" below the chase top, or more than 3" above the top of the chase top. A 2" flashing collar must be provided on the chase top.

Attach the chase top (CT35) to the top of the chase.

Install the terminal cap, using the instructions provided with it.



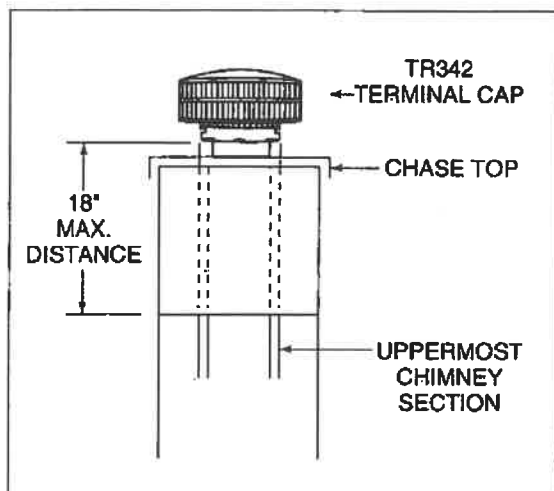


Figure 22
Installing a terminal cap

It is extremely important that the fire be supervised whenever the fireplace is in use. It is also recommended that an annual inspection be performed on the fireplace system to determine if the flue system needs to be cleaned, or as in the case of any appliance, if minor repairs are required to maintain the system in top operating condition.

INTENDED USAGE. This factory-built fireplace is intended for use with either solid fuel (firewood) or a decorative gas appliance that has been tested and listed to the Standard for Decorative Gas Appliances for Installation in Vented Fireplaces, ANSI Z21.60. **When operating your fireplace, the flue damper must be in the open position.**

This fireplace was not tested and listed for use with an unvented gas log heater. Do not install an unvented gas log heater in this fireplace and operate it with the flue damper in the full closed position unless the unvented gas log has been specifically tested and listed for use in this fireplace by Underwriters Laboratories Inc. Use of an unvented gas log heater in this factory-built fireplace may create a fire hazard that can result in a structure fire.

OPERATING INSTRUCTIONS

NOTICE

SAVE AND PASS THESE OPERATING INSTRUCTIONS AND THE INSTALLATION INSTRUCTIONS TO SUBSEQUENT OWNERS. THE INFORMATION PROVIDED IS INTENDED TO NOTIFY AND WARN THEM ABOUT MAKING UNSAFE FUTURE MODIFICATIONS SUCH AS THE ADDITION OF SHELVES OR THE USE OF UNAUTHORIZED PARTS AND REPAIRS.

CAUTION

EDGES ARE SHARP. HAND PROTECTION IS RECOMMENDED.

WARNING

DO NOT OPERATE THIS FIREPLACE WITH THE FLUE DAMPER IN THE CLOSED POSITION. COMBUSTION PRODUCTS MUST VENT UP THE CHIMNEY SYSTEM TO PREVENT CARBON MONOXIDE POISONING, AND TO PREVENT HOT COMBUSTION GASES FROM CONTACTING AND OVERHEATING COMBUSTIBLE SURFACES. FAILURE TO OPERATE THIS FIREPLACE WITH THE DAMPER IN THE OPEN POSITION MAY RESULT IN ASPHYXIA OR A STRUCTURE FIRE.

CAUTION

FIREPLACE OPERATION DOES REQUIRE AIR. DO NOT TAKE AIR FROM OTHER FUEL BURNING APPLIANCES WHICH CAN RESULT IN IMPROPER VENTING (SMOKING) OR AIR DILUTION. ALWAYS PROVIDE ADEQUATE MAKE-UP AIR.

This fireplace is intended to operate as a supplemental heat source for a single room. It is not designed to function as a primary heat source.

Fireplaces, as well as other woodburning appliances, have been used safely for many years. It has been our experience that most problems are caused by improper installation and operation of the unit. Make certain that installation and operation of the fireplace system is in accordance with these instructions.



STARTING THE FIRE. Check the flue damper to be certain it is in the full open position. Place crumpled or twisted paper under the fireplace grate. Loosely arrange kindling or small pieces of wood to form a layer above the paper. Light the paper and add small pieces of wood until a hot bed of embers has been established. At this point add progressively larger pieces of wood until you are able to position 4" diameter split logs as shown in Figure 23.

When first lighting your fireplace, it may be necessary to pre-warm the flue to establish a draft. This is done by holding a rolled up piece of burning newspaper under the flue damper for a few moments. This will prevent smoke spillage during start-up.

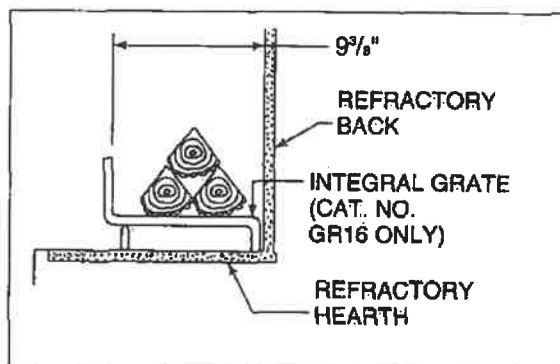


Figure 23
Sectional View of Fireplace

Firewood should be seasoned for at least 6 months before it can be burned as a fireplace fuel. Improperly seasoned (green or wet) wood will cause the fireplace to smoke, will allow creosote deposits to rapidly buildup in the chimney system and may cause roof stains to develop.

Fuel products with abnormal burning characteristics, including synthetic logs that contain wax binders, scrap lumber, wax or plastic coated cardboard and other highly volatile fuels that burn at excessive temperatures, may cause the fireplace to operate in an unsafe manner. Flammable liquid fuel are explosive and must never be used to start or freshen a fire. Heatilator does not warrant the structural or functional performance of the fireplace system when such synthetic fuels or flammable liquids have been used.

NOTE: When heated for the first several times, the fireplace should be heated gradually to prevent moisture in the refractory from causing cracks and to allow binders in the insulation to dissipate. You will notice an industrial odor during the first few fires that are burned. This is considered to be normal.

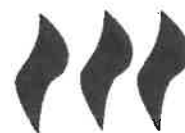
Use only a solid wood fuel or a listed Heatilator gas log set. Do not use a fireplace insert or products not specifically tested and listed for use in this fireplace. Use common sense when burning this fireplace. The fire must be built on the fireplace grate, without danger of the burning fuel falling out of the firebox.

CAUTION

NEVER USE GASOLINE, GASOLINE-TYPE LANTERN FUEL, KEROSENE, CHARCOAL LIGHTER FLUID, OR SIMILAR LIQUIDS TO START OR 'FRESHEN UP' A FIRE IN THIS FIREPLACE. KEEP ALL SUCH LIQUIDS WELL AWAY FROM THE FIREPLACE WHILE IT IS IN USE TO AVOID THE RISK OF A HOSTILE FIRE.

DISPOSAL OF ASHES. Ashes should be placed in a metal container with a tight-fitting lid. The closed container of ashes should be placed on a non-combustible floor or on the ground, well away from all combustible materials, pending final disposal. If the ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in the closed container until all embers have thoroughly cooled.

GLASS DOORS. Most efficient fireplace operation using glass doors is with the doors open. When the doors are open, the screen must be closed. Only HEATILATOR glass doors, model numbers DM1036, DM1036A and DM1036B may be used on the H Series fireplaces.



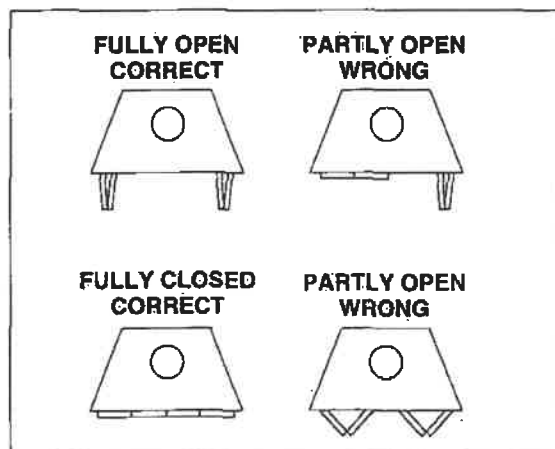


Figure 24
Recommended Operating Positions of Doors

WARNING

FIREPLACES EQUIPPED WITH DOORS SHOULD BE OPERATED ONLY WITH DOORS FULLY OPEN OR FULLY CLOSED. IF DOORS ARE LEFT PARTIALLY OPEN, GAS AND FLAME MAY BE DRAWN OUT OF THE FIREPLACE OPENING, CREATING THE RISK OF BOTH FIRE AND SMOKE.

WARNING

CONTINUED OVER-FIRING CAN PERMANENTLY DAMAGE YOUR FIREPLACE SYSTEM. EXAMPLES OF OVER-FIRING ARE:

- 1. THE "NORMAL LOG FIRE" SHOULD BE CONTAINED IN THE GRATE, WITH THE LENGTH OF LOGS NO GREATER THAN THE BACK WALL OF THE FIREPLACE.**
- 2. THE FOLLOWING MATERIALS MUST NOT BE USED IN THIS FIREPLACE: QUANTITIES OF SCRAP LUMBER, PINE BRANCHES, PROCESSED FIRE LOGS AND FIRE STARTERS, OR CARDBOARD BOXES WHICH EXCEED THE VOLUME OF THE "NORMAL LOG FIRE". THESE MATERIALS PRODUCE MANY SPARKS AND MUST NOT BE USED.**

Before starting a fire in your H Series fireplace, use the following check list:

FLUE DAMPER: The flue damper is operated by moving a handle located in the fire chamber, which should place the damper in a fully open position. Pull the handle down to open; push the handle up to close. Verify this by looking up from the inside of the firebox. Always operate this fireplace with the damper fully open. Please note: down drafts, obstructions, damage or poor (wet) fuels can cause smoke spillage.

CHIMNEY INSPECTION. Visually inspect the chimney internally for obstructions and construction damage. Flue pipe joints and seams must be continuous and mechanically tight. In a used chimney, additional inspection is needed for creosote build-up which is the formation of a flammable sediment.

When wood is burned slowly, it produces tar and other organic vapors, which combine with expelled moisture to form creosote. The creosote vapors condense in the relatively cool chimney flue of a slow-burning fire. As a result, creosote residue accumulates on the flue lining. When ignited, this creosote makes an extremely hot fire.

The chimney should be inspected at least twice a year during the heating season to determine if creosote build-up has occurred.

If creosote has accumulated, it should be removed to reduce the risk of a chimney fire.

CHIMNEY CLEANING. If you do detect a build-up of creosote, contact a qualified chimney sweep or clean it yourself. To do this, perform the following steps:

1. Open the damper.
2. Hang a damp sheet across the fireplace opening to stop dirt and soot from entering the room.
3. Remove the Terminal Cap or Housing Top. See Figure 25.
4. Clean with a stiff nylon brush attached to a pole OR tie a rope to a burlap bag filled with straw and several small stones or sand. Work up and down the flue until clean.
5. Replace the terminal cap or housing top.



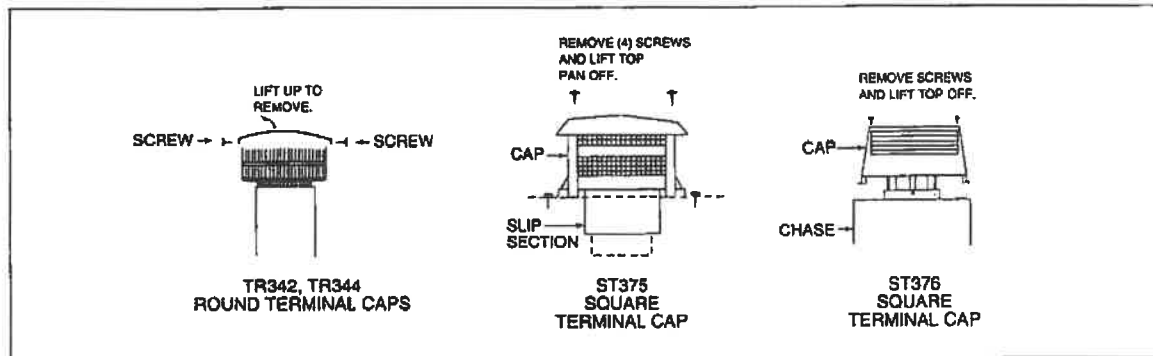


Figure 25
Terminal Caps

WARNING

A CHIMNEY FIRE CAN PERMANENTLY DAMAGE YOUR CHIMNEY SYSTEM. THIS DAMAGE CAN ONLY BE REPAIRED BY REPLACING THE DAMAGED COMPONENT PARTS. CHIMNEY FIRES ARE NOT COVERED BY THE LIMITED WARRANTY AND BUYER PROTECTION PLAN.

CAUTION

WHEN LEFT CLOSED WHILE BURNING YOUR FIREPLACE, FIRESCREENS AND GLASS DOORS WILL BE HOT. HANDLE WITH CARE.

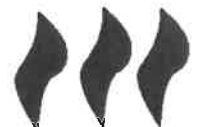
CLEAR SPACE NEAR FIREPLACE. The hearth extension must extend at least 16 inches to the front and 8 inches to the sides of the firebox opening for the H Series fireplace. Combustible materials must not be stored in this area. Combustible walls perpendicular to the front of the fireplace must be at least 12 inches from the fireplace opening. Room furnishings such as drapes, curtains, chairs, or other combustibles must be at least 4 feet from the open front of the fireplace.

GRATE. The factory installed integral grate must be used to hold the logs from falling out of an open fireplace and to allow air to pass between the burning logs. It is important to keep the fire off the hearth and to allow the ashes to collect beneath the fire, thereby forming a layer of additional heat protection. See Figure 23. Use only model number GR16 Integral grate for replacement.

FIRESCREEN. A firescreen is always provided to control sparks. It must be closed whenever the fireplace is in use. Glass doors or firescreens must not be used to hold burning material inside the fireplace. Only those glass door units specifically tested and listed for use with the specific fireplace model should be used. Screens should be closed when the glass doors are closed.

NEGATIVE AIR PRESSURE WITHIN THE STRUCTURE This fireplace will operate correctly only if adequate ventilation is provided to allow proper draft to the fireplace system. Heatilator assumes no responsibility for the improper performance of the fireplace system caused by inadequate draft due to environmental conditions, downdrafts, tight sealing construction of the structure, or mechanical exhausting devices which create a negative air pressure within the structure where the fireplace is located.

OUTSIDE AIR. A damper control handle allows the individual control of the outside air inlets if your fireplace is equipped with this option. Use of outside air for combustion is highly recommended to conserve heated air within the structure and to provide make up air to keep the fireplace venting properly.



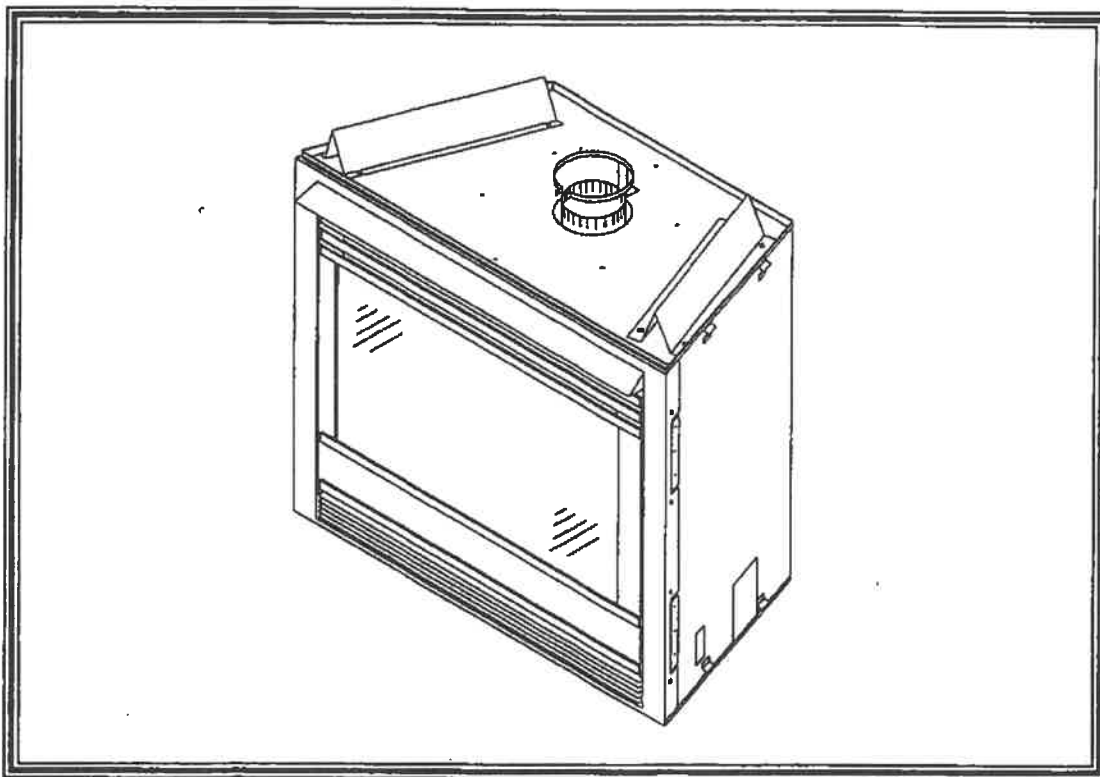
Attention

FIREPLACE INSTALLER

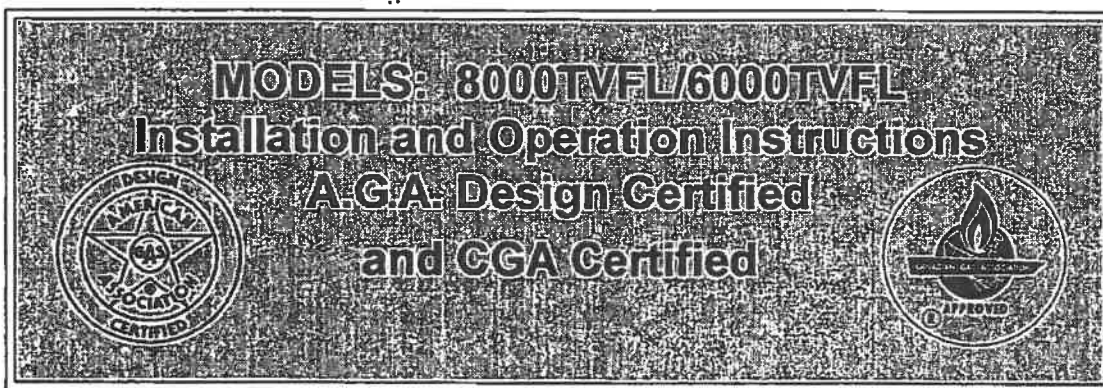
***Please return these
Operating & Installation
Instructions to the
Firebox
for Consumer Use***

heatilator
The first name in fireplaces

Heatilator Inc.
1915 W. Saunders Street
Mt. Pleasant, IA 52641
a HON INDUSTRIES company
319/385-9211 FAX 319/385-9225



U.S. Patents 5,429,495.



**THIS MANUAL MUST BE USED FOR INSTALLATION AND RETAINED BY THE HOMEOWNER FOR
OPERATION AND MAINTENANCE.**



**READ THIS MANUAL BEFORE INSTALLING OR
OPERATING THIS APPLIANCE. PLEASE RETAIN THIS
MANUAL FOR FUTURE REFERENCE.**

WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual. Installation and service must be performed by a qualified installer, service agency or the gas supplier.

WARNING: If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury, or loss of life.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

- **WHAT TO DO IF YOU SMELL GAS**
 - . Do not try to light any appliance.
 - . Do not touch any electrical switch; do not use any phone in your building.
 - . Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
 - . If you cannot reach your gas supplier, call the fire department.

- Installation and service must be performed by a qualified installer, service agency, or the gas supplier.

Please contact your Heat-N-Glo Fireplace dealer for any questions or concerns. For the number of your nearest Heat-N-Glo dealer, please call 612-890-8367.

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TO THE CONSUMER:

FILL IN THIS INFORMATION AND RETAIN FOR REFERENCE.

MODEL:

SERIAL NUMBER:

DATE OF INSTALLATION:

TYPE OF GAS:





SAFETY AND WARNING INFORMATION:

- Read all instructions carefully before starting installation. Failure to follow these installation instructions may result in a possible fire hazard and will void the warranty.
- Prior to the first firing, read the Operation instruction section of this manual.
- Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the unit and to replace any part of the control system and any gas control which has been underwater.
- This unit is not for use with solid fuel.
- Installation and repair should be done by a qualified service person. The appliance and venting system should be inspected before initial use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that the unit's control compartment, burners, and circulating air passageways be kept clean to provide for adequate combustion and ventilation air.
- Always keep the appliance area clear and free from combustible materials, gasoline, and other flammable vapors and liquids.
- Never obstruct the flow of combustion and ventilation air. Keep the front of the appliance clear of all obstacles and materials.
- Due to high temperature, the appliance should be located out of traffic areas and away from furniture and draperies. Clothing or flammable material should not be placed on or near the appliance.
- Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or clothing ignition. Young children should be carefully supervised when they are in the same room as the appliance.
- These units **MUST** use one of the vent systems described in the venting section of this manual. **NO** other vent systems or components may be used.
- This gas fireplace and vent assembly must be vented directly to the outside and must never be attached to a chimney serving a separate solid fuel burning appliance. Each gas appliance must use a separate vent system; common vent systems are prohibited.
- Inspect the external vent cap on a regular basis to make sure that no debris is interfering with the air flow.
- The glass door assembly and the trim door assembly must be in place on the fireplace before the unit can be placed into safe operation.
- Do not operate appliance with the glass door removed, cracked, or broken. Replacement of the glass door should be done by a licensed or qualified person. Do not strike or slam the glass door.
- The glass door assembly shall only be replaced as a complete unit as supplied by the gas fireplace manufacturer. No substitute material may be used.
- Do not use abrasive cleaners on the glass door assembly. Do not attempt to clean the glass door when it is hot.
- Turn off gas before servicing appliance. It is recommended that a competent service technician perform an applicable check-up at the beginning of each heating season.

FIGURE 1

MODEL: 8000TVFL

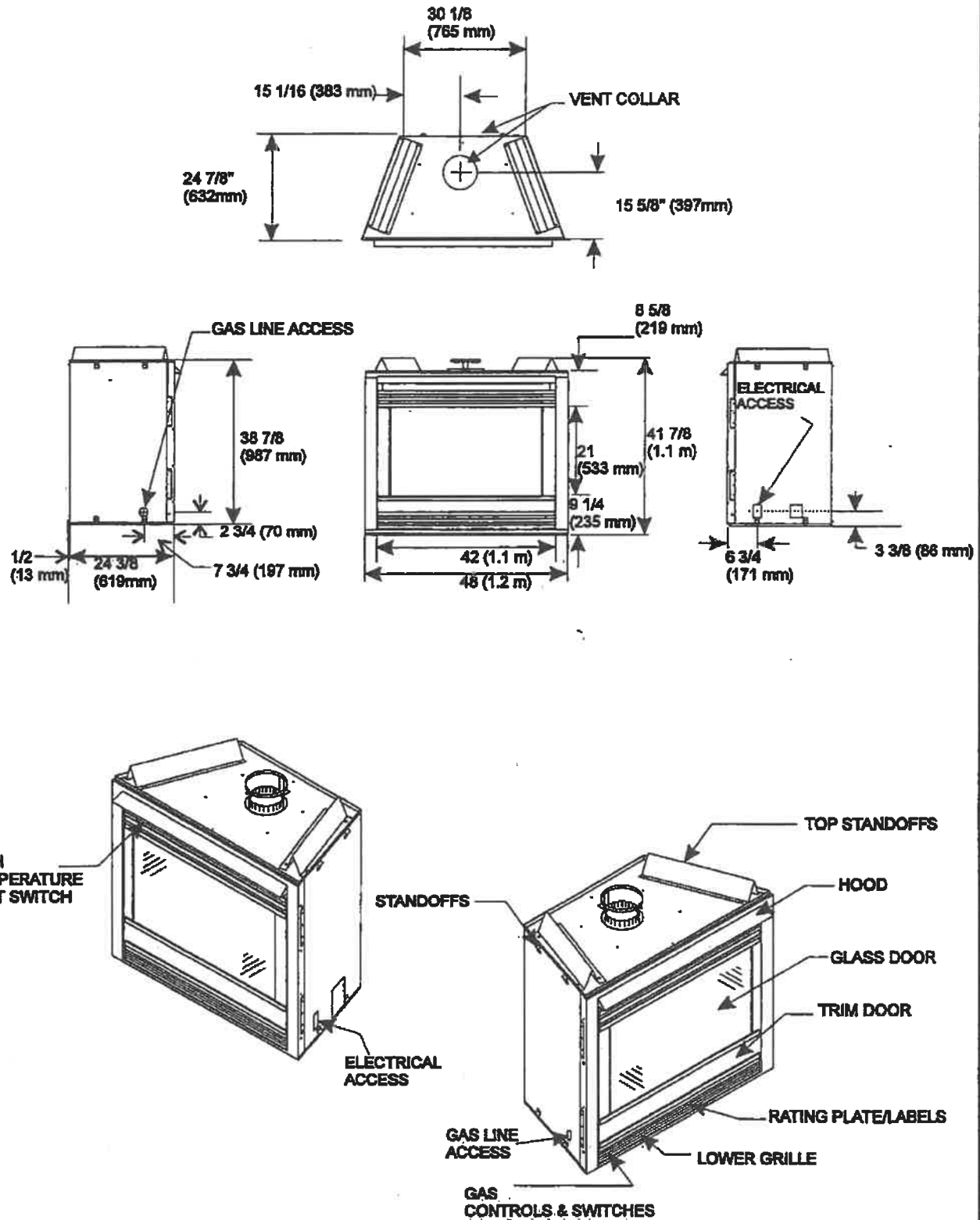
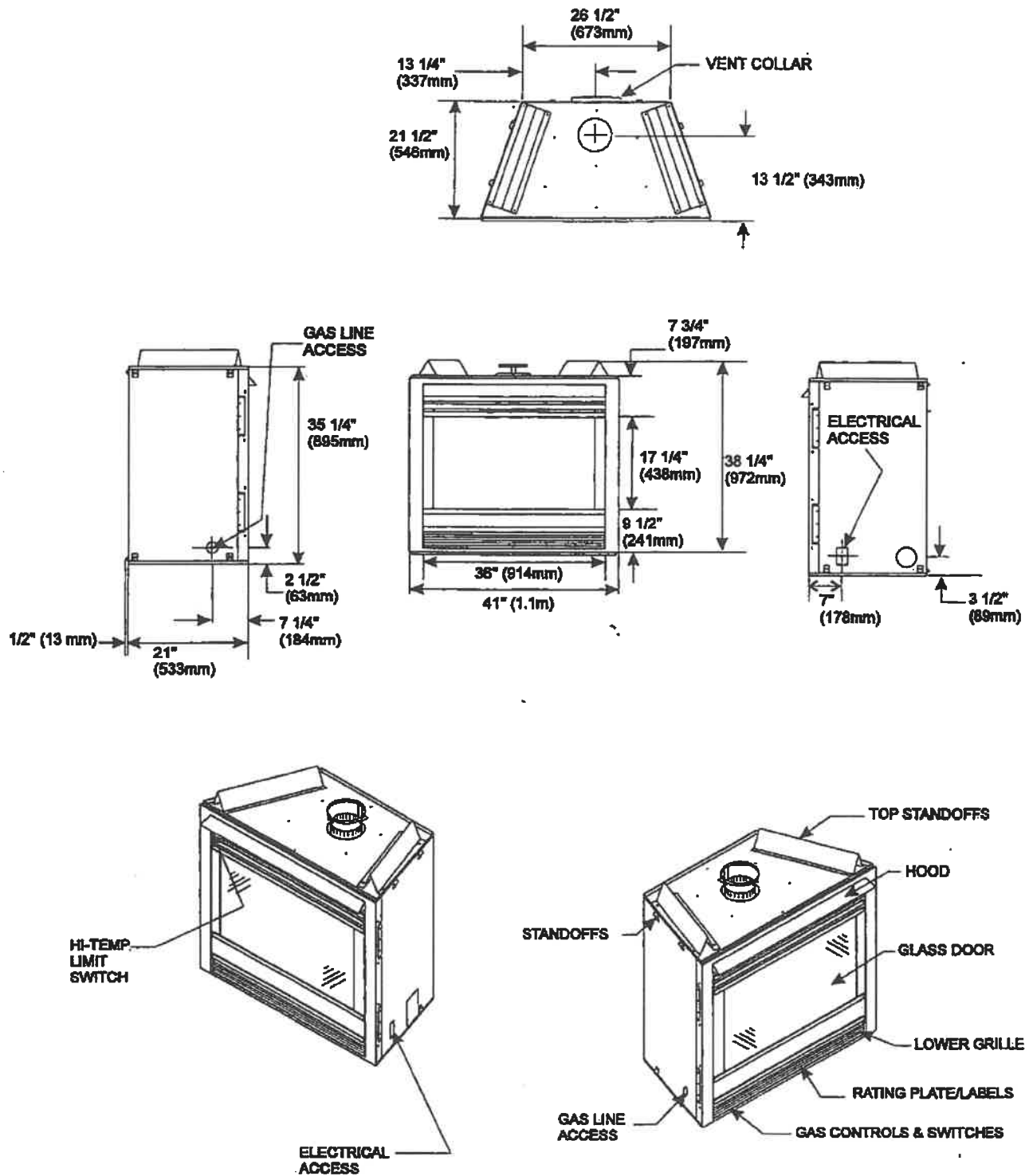


FIGURE 2

MODEL: 6000TVFL

I. APPROVAL LISTINGS AND CODES

A. APPLIANCE CERTIFICATION

These models have been tested to the certification standards and listed by the applicable laboratories as shown in the table:

<u>MODEL</u>	<u>LABORATORY</u>	<u>TYPE</u>	<u>CERTIFICATION STANDARD</u>
8000TVFL	A.G.A./CGA	NATURAL VENT DECORATIVE	ANSI Z21.50/CAN/CGA 2.22
6000TVFL	A.G.A./CGA	NATURAL VENT DECORATIVE	ANSI Z21.50/CAN/CGA 2.22

B. INSTALLATION CODES

Consult your local building code agency, prior to installation, to ensure compliance with local codes-including permits and inspections.

Installation must conform to local codes. In the absence of local codes, installation must conform with the current National Fuel Gas Code ANSI Z223.1 (in the United States) or with the current installation code CAN/CGA - B149 (in Canada).

The appliance when installed must be electrically grounded in accordance with local codes; in absence of local codes, with the current National Electric Code ANSI/NFPA No. 70 (in the United States) or with the current CSA C22.1 Canadian Electric code (in Canada).

These models (natural gas and propane) can be installed in a bedroom (in the United States) which has a total volume of unconfined space appropriate to the particular installation. Refer to the National Fuel Gas Code ANSI Z223.1/NFPA 54 - (current edition). The Uniform Mechanical Code - (current edition), and local Building Officials for the options allowed in obtaining an effective bedroom volume of unconfined space.

Model 6000TVFL (natural gas and propane) can be installed in a bedroom (in Canada) if a thermostat (Model WH-STAT) is installed with the unit. Consult local code authorities. Detailed installation instructions for Model WH-STAT are included with the kit.

II. INTRODUCTION

These models are natural vent gas appliances and are designed to operate with combustion air from the inside of the building and all exhaust gases expelled to the outside of the building. Approved vent pipe includes B-type vent, listed single wall rigid, or listed single wall flexible gas vent. These models use 6-inch diameter (152 mm) vent. See venting section of this manual for details.

The information contained in this manual pertains to all models and gas control systems unless otherwise noted.



Two types of gas control systems are used in these models.

- **STANDING PILOT IGNITION SYSTEM:** Includes millivolt control valve, standing pilot, thermopile/thermocouple flame sensor, and piezo ignitor. 110-120 VAC must **NEVER** be connected to a control valve in a millivolt system.
- **DIRECT SPARK IGNITION DSI SYSTEM:** Includes 24V control valve, electronic module, transformer, spark ignitor/flame sensor. 110-120 VAC **MUST** be wired to the fireplace junction box in a DSI system.

III. PRE-INSTALLATION PREPARATION

This gas fireplace and its components are tested and safe when installed in accordance with this Installation Manual. Report to your dealer any parts damaged in shipment, specifically check glass condition. Do not install unit with damaged, incomplete, or substitute parts. The vent system components are sold separately. The gas logs are factory installed. Trim doors are shipped separately. Read all instructions before starting installation and follow these instructions carefully during installation to ensure maximum benefit and safety. Failure to follow them will void your warranty and may present a fire hazard.

The Heat-N-Glo Fireplace Products, Inc. warranty will be voided by, and Heat-N-Glo Fireplace Products, Inc. disclaims any responsibility for the following actions:

- Installation of any damaged fireplace or vent system component.
- Modification of the fireplace.
- Installation other than as instructed by Heat-N-Glo Fireplace Products, Inc.
- Improper positioning of the gas logs or the glass door.
- Installation and/or use of any component part not manufactured or approved by Heat-N-Glo Fireplace Products, Inc., notwithstanding any independent testing laboratory or other party approval of such component part or accessory.

ANY SUCH ACTION MAY POSSIBLY CAUSE A FIRE HAZARD.

In planning the installation for the fireplace, it is necessary to determine where the unit is to be installed, the vent system configuration to be used, framing and finishing details, and whether optional accessories (fan, wall switch or remote control) are desired. Gas supply piping and electrical wiring should also be planned. Figures 1 and 2 shows location of features on the appliance and fireplace dimensions. Optional Accessories available are listed in that section of this manual.

If the fireplace is installed directly on carpeting, tile, or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the unit.

A. GAS PRESSURE

Minimum inlet gas supply pressure for purpose of input adjustment is 5.0 inches w. c. natural gas and 11 inches w. c. propane. Maximum inlet gas pressure is 10.5 inches w.c. natural gas and 13.0 inches w.c. propane. Manifold pressure should be set at 3.5 inches w.c. natural gas and 10.0 inches w.c. propane.

A 1/8-inch (3 mm) N.P.T. plugged tapping is provided on the outlet side of the gas control for a test gauge connection to measure the manifold pressure. Provisions must be made to attach a test gauge to a 1/8-inch (3 mm) N.P.T. plugged tapping immediately upstream of the gas supply connection to the appliance to measure inlet pressure.

The appliance and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of the system at test pressures in excess of 1/2 psig (3.5 kPa).

This appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5 kPa).

B. HIGH ALTITUDE INSTALLATION

A.G.A. Design Certified units are tested and approved for elevations from 0-2000 feet. CGA certified units are tested and approved for elevations from 0-4500.

When installing this unit at an elevation above 2000 feet (in the United States) it may be necessary to decrease the input rating by changing the existing burner orifice to a smaller size. Generally, input should be reduced 4 percent for each 1000 feet above sea level. However, if the heating value of the gas has been reduced, this general rule may not apply. Check with local gas utility for proper orifice size identification.

When installing this unit at an elevation between 2000-4500 feet (in Canada) the input rating must be reduced by 10 percent.

When installing this unit at an elevation above 4500 feet (in Canada), check with local authorities.

Consult your local gas utility for assistance in determining the proper orifice for location.

C. CLEARANCES

Minimum clearance from the fireplace to combustibles are:

GLASS					
FRONT	FLOOR	BACK	SIDES	TOP	CEILING
36"	0	1/2"	1/2"	3 1/2"	31"
(904mm)		(13mm)	(13mm)	(89mm)	(787mm)

The top, back, and sides are defined by standoffs. The back of the unit may be recessed 21 1/2" (546mm) - 6000TVFL or 24 7/8" (632mm) - 8000TVFL into combustible construction. Clearance to a perpendicular wall extending past the face of the unit is 1 inch (25 mm).

Minimum clearances to combustibles for vent pipe require a 1-inch (25 mm) clearance all around the pipe.

D. FIREPLACE DIMENSIONS, LOCATIONS, AND SPACE REQUIREMENTS

Figure 3 shows examples of locating the fireplace within a room and dimensions for space requirements and clearances.

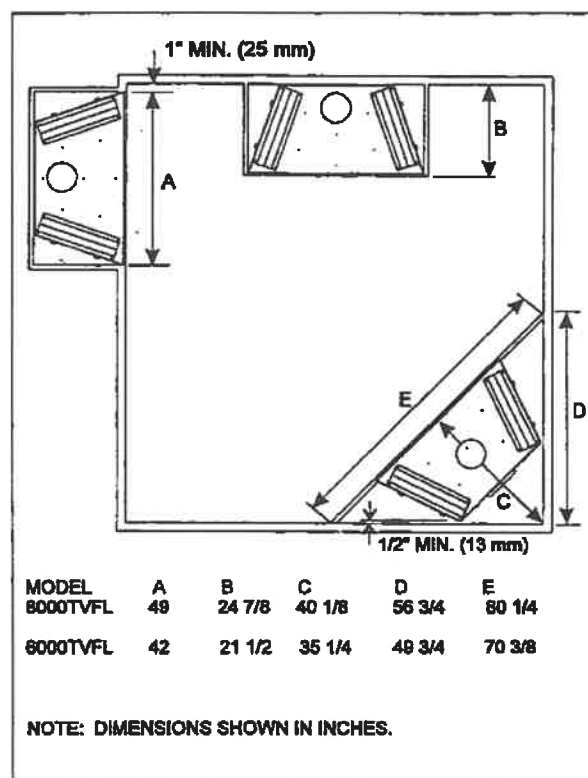


FIGURE 3

E. NEGATIVE MAKE-UP AIR

NEGATIVE PRESSURE WARNING

When negative pressure is present, an atmospherically vented fireplace (with a draft hood) may not function properly and it may down draft. In the case of a gas appliance, spillage of the combustion gases may occur. **This may create a dangerous carbon monoxide situation in the house.**

The causes of negative pressure to a house can include the following:

- stack effect in the building
- exhaust only appliances (mechanically and atmospherically vented)
- inadequate make-up air (which is increasingly more prevalent in new construction)

It is recommended that all natural venting non-air tight gas fireplaces have outside air connected to them. It is also recommended that the building be mechanically or passively balanced to allow atmospherically vented appliances, such as top vented gas fireplaces with draft hoods, to draft properly. If the home experiences negative pressure or is likely to experience negative pressure, connection to an outside air source is mandatory.

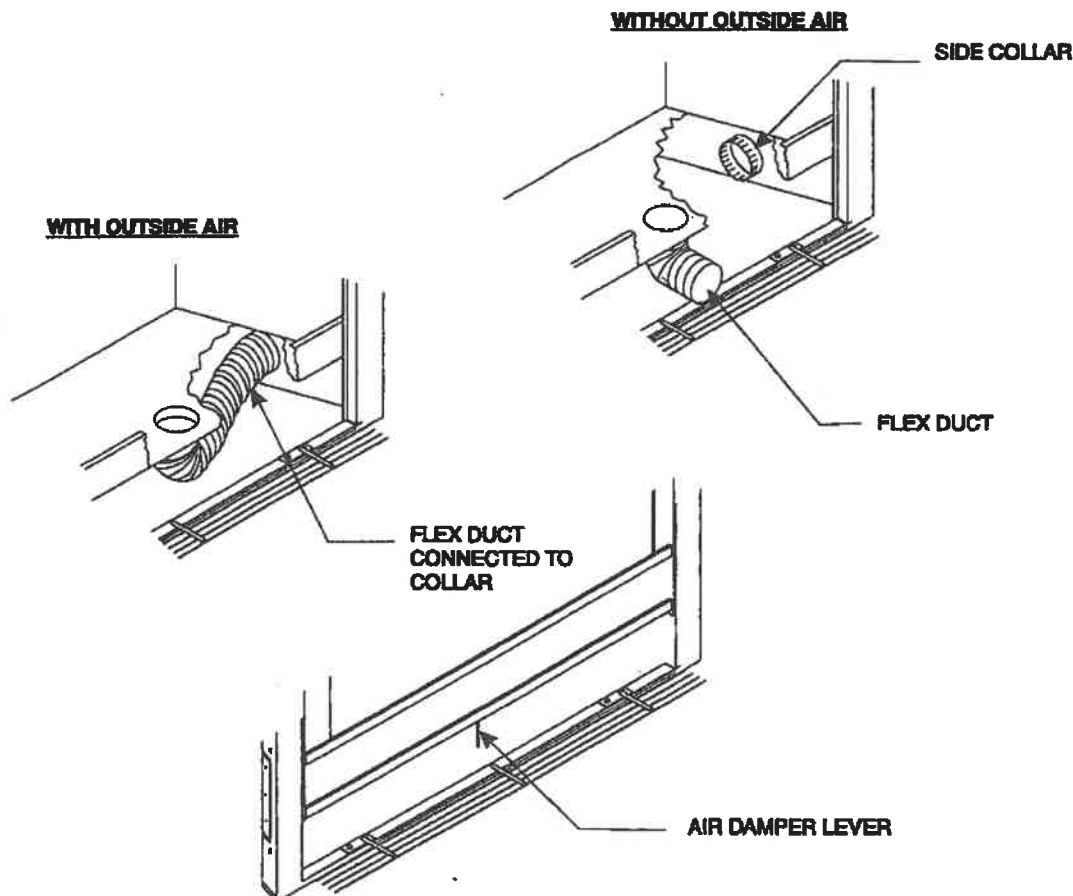


FIGURE 4

INSTALLING OPTIONAL OUTSIDE MAKE-UP AIR

This unit is equipped to accept outside air. By using outside make-up air, the amount of room air used for combustion will be reduced. It is recommended that an AK-225 Air Kit be used with this appliance.

WARNING: IN A NEGATIVE PRESSURE CONDITION (LIKELY TO OCCUR IN NEW HOMES THAT DO NOT HAVE ADEQUATE MAKE-UP AIR) THE OUTSIDE AIR KIT MUST BE INSTALLED TO OBTAIN PROPER PERFORMANCE AND TO HELP PREVENT SPILLAGE OF COMBUSTION GASES.

A 4-inch side collar (found in the AK-225 Kit) and a 4-inch flexible air duct (not provided) must be installed behind the lower front grille. See Figure 4. Attach the side collar to the outer wrap of the fireplace at the right-hand rear corner using sheetmetal screws. Attach one end of the flex-duct to the side collar and the other end of the duct to the collar on the underside of the firechamber base. Use plastic tie straps to secure the ends of the flex duct to each collar.

Detailed installation instructions for Model AK-225 Outside Air Kit are found in the kit. This kit cannot be used in Canada.

AIR DAMPER

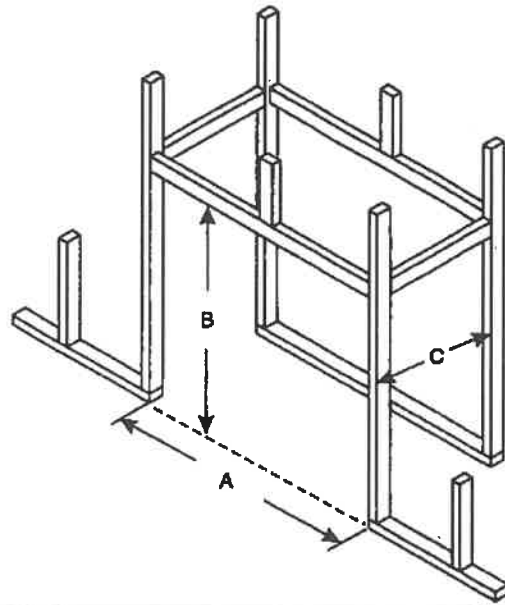
This model has a make-up combustion air damper on the underside of the firebox, behind the lower grille. See Figure 4.

Before lighting the burner, open the damper by sliding the lever to the left.

F. FRAMING

Fireplace framing can be built before or after the fireplace is set in place. Framing should be positioned to accommodate wall covering and fireplace facing material. The fireplace framing should be constructed of 2 X 4 lumber or heavier. The framing headers may rest on the fireplace standoffs. Refer to Figure 5 for framing reference dimensions.

CAUTION: MEASURE FIREPLACE DIMENSIONS AND VERIFY FRAMING METHODS, AND WALL COVERING DETAILS BEFORE FRAMING CONSTRUCTION BEGINS.



MODEL	A	B	C
8000TVFL	49	42 3/8	24 7/8
6000TVFL	42	38 3/4	21 1/2

FIGURE 5

G. FINISHING

Finish the walls with the material of your choice. Figure 6 shows the minimum vertical and corresponding maximum horizontal dimensions of mantels or other combustible projections above the top front edge of the fireplace.

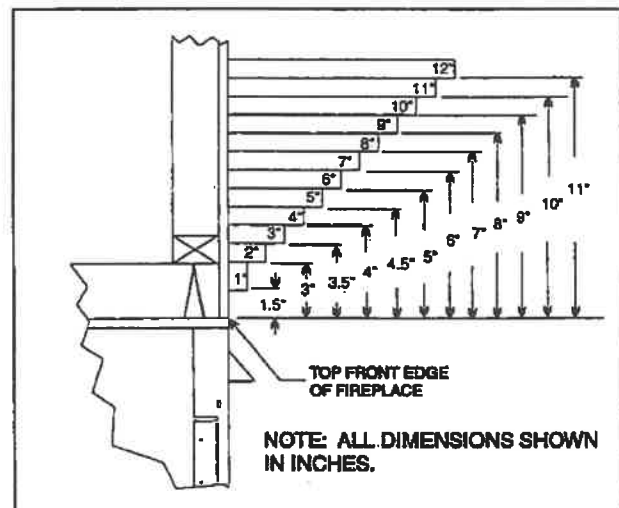


FIGURE 6

Only non-combustible materials may be used to cover the black fireplace front.

WARNING: WHEN FINISHING THE FIREPLACE NEVER OBSTRUCT OR MODIFY THE AIR INLET/OUTLET GRILLES IN ANY MANNER.

CAUTION: IF JOINTS BETWEEN THE FINISHED WALL AND THE FIREPLACE SURROUND (TOP AND SIDES) ARE SEALED, A 300° F. MINIMUM SEALANT MATERIAL MUST BE USED. THESE JOINTS ARE NOT REQUIRED TO BE SEALED. ONLY NON-COMBUSTIBLE MATERIAL (USING 300° F. MINIMUM ADHESIVE IF NEEDED), CAN BE APPLIED AS FACING TO THE FIREPLACE SURROUND. SEE FIGURE 7.

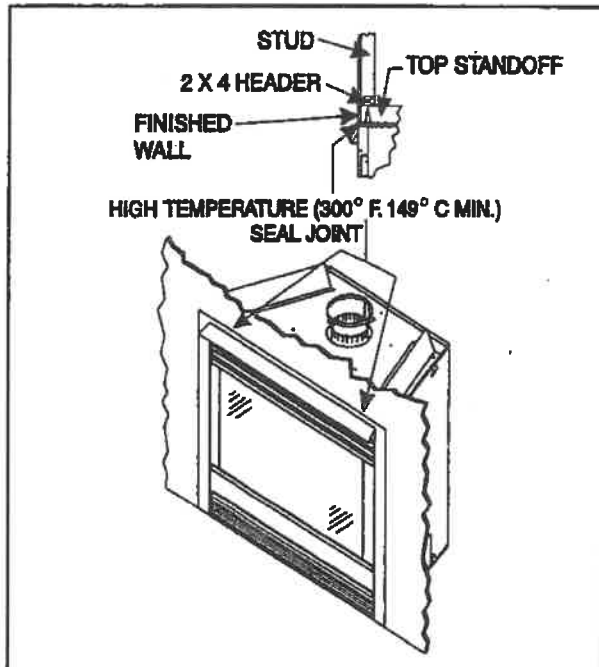


FIGURE 7

H. HEARTH EXTENSION

While a hearth extension may be desirable for aesthetic reasons, it is not required for gas fireplace appliances per ANSI or CAN/CGA testing standards.

IV. INSTALLATION

STEP 1—POSITION THE FIREPLACE:

Place the unit into position and level it from side-to-side and front-to-back. Shim the unit with non-combustible material, such as sheet metal, as necessary. Secure the unit to the framing by nails or screws through the nailing tabs on each side of the fireplace. See Figure 8.

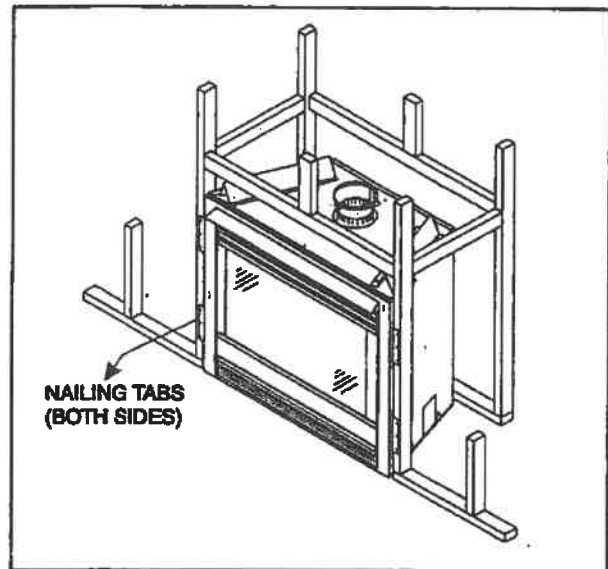


FIGURE 8

STEP 2—INSTALL THE VENT SYSTEM:

A. VENT SYSTEM APPROVALS

This Model is approved to use 6-inch (152 mm) diameter B-type vent and listed single wall rigid or flexible gas vent. **NO OTHER VENT SYSTEMS MAY BE USED.**

B. INSTALLING VENT COMPONENTS

Connect a 6-inch (152 mm) B-type vent component (1 inch (25 mm) clearance to combustibles) to the flue outlet collar and secure it to the fireplace with the pipe clamp. See Figure 9.

Continue to add vent components, per vent Manufacturer's Installation Instructions, until the vent run is completed.

B-type vent **MUST** be used where the vent system is within combustible construction.

Visual inspection of the vent connection to the flue collar of the fireplace is done by looking inside the top of the unit, behind the heat deflector hood.

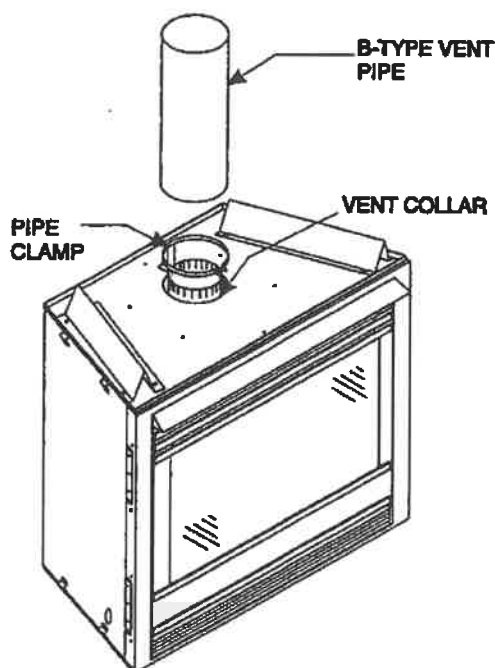


FIGURE 9

Listed single-wall flexible or single-wall rigid gas vent pipe may be attached to this unit, IF, AND ONLY IF, the vent run is completely inside non-combustible construction such as a masonry chimney. The flexible or rigid vent **MUST** terminate outside of the building, in a vertical position, with a termination cap listed for use with the vent pipe. See Figure 10.

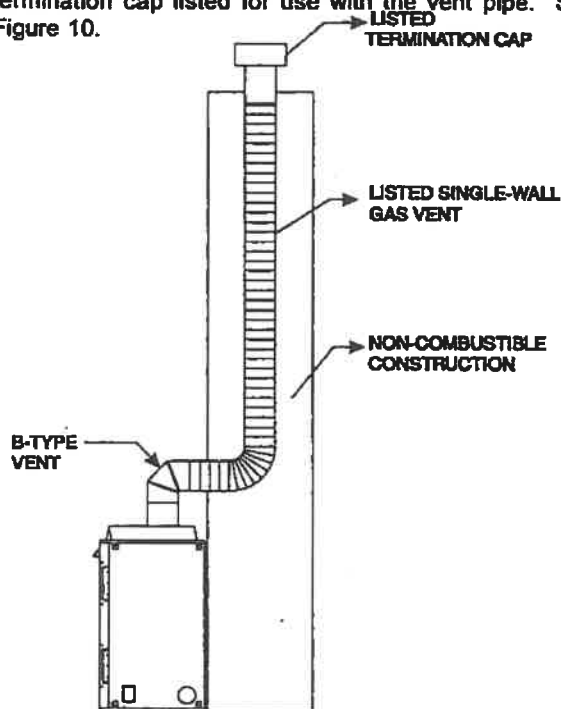


FIGURE 10

FOR BEDROOM INSTALLATION IN CANADA

This model **MUST NOT** be vented into a type-B vent system installed exterior to a building. The part of the vent system above the roof line can be exterior to the building.

WARNING: THE VENT TERMINATION MUST BE IN A VERTICAL POSITION.

Consult local building code officials and codes for proper vent system installations.

WARNING: THIS GAS FIREPLACE MUST NEVER BE VENTED BY CONNECTING TO A CHIMNEY FLUE SERVING A SEPARATE SOLID FUEL BURNING APPLIANCE.

C. VENT TERMINATION

WARNING: MAJOR U.S. BUILDING CODES SPECIFY MINIMUM CHIMNEY AND/OR VENT HEIGHT ABOVE THE ROOF TOP. THESE MINIMUM HEIGHTS ARE NECESSARY IN THE INTEREST OF SAFETY. FIGURE 11 AND TABLE 1 SHOW MINIMUM HEIGHTS PROVIDED THE TERMINATION CAP IS AT LEAST 8 FEET FROM A VERTICAL WALL.

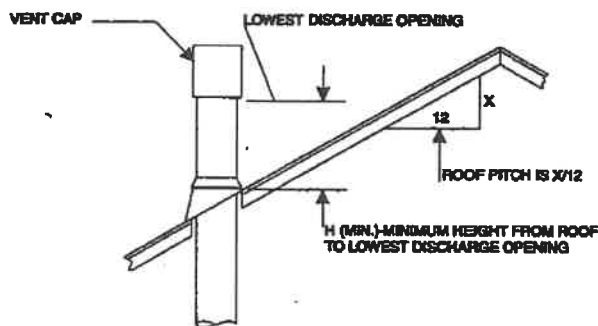


FIGURE 11

ROOF PITCH	H (MIN.) FT.
FLAT TO 6/12	1.0
6/12 TO 7/12	1.25
OVER 7/12 TO 8/12	1.5
OVER 8/12 TO 9/12	2.0
OVER 9/12 TO 10/12	2.5
OVER 10/12 TO 11/12	3.25
OVER 11/12 TO 12/12	4.0
OVER 12/12 TO 14/12	5.0
OVER 14/12 TO 16/12	6.0
OVER 16/12 TO 18/12	7.0
OVER 18/12 TO 20/12	7.5
OVER 20/12 TO 21/12	8.0

TABLE 1

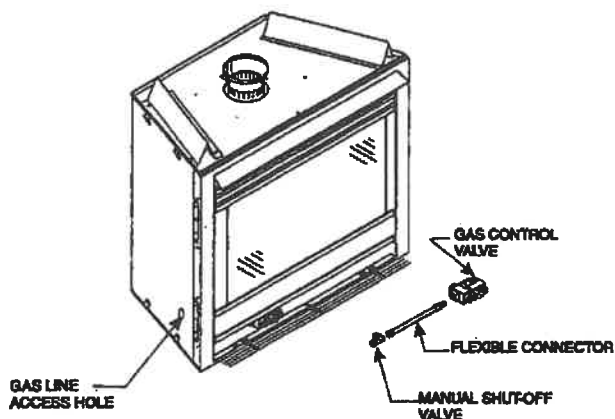


FIGURE 12

STEP 3-INSTALL THE GAS LINE

The gas fireplace is designed to accept a 1/2 inch (13 mm) gas line for a listed gas appliance. Have the gas line installed by a qualified service person in accordance with all building codes. Consult local building codes to properly size the gas supply line leading to the 1/2 inch (13mm) hook-up at the unit.

A listed 1/2-inch (13 mm) manual shut-off valve and a flexible gas connector are connected to the 3/8-inch (10 mm) inlet of the control valve. A 1/8-inch (3 mm) N.P.T. plugged tapping, accessible for test gauge connection, should be provided for, in the gas supply line leading to the unit's shut-off valve.

Locate the gas line access hole in the outer casing of the fireplace (Figure 12). Open the fireplace lower grille, insert the gas supply line through the gas line hole and connect it to the shut-off valve. Support the control when attaching the pipe so that the lines are not bent or torn. After the gas pipe installation is complete, check carefully all gas connections for leaks with soap solution. DO

NOT USE AN OPEN FLAME. At the gas line access hole, use insulation to repack the space around the gas pipe. This should be inserted from the outside of the fireplace and packed tightly to totally seal between the pipe and the outer casing.

NOTE: The gas supply line should be purged of any trapped air prior to the first firing of the unit.

STEP 4-WIRING

A. STANDING PILOT IGNITION

- 1. APPLIANCE REQUIREMENTS.** This appliance **DOES NOT** require 110-120 VAC to operate. **DO NOT CONNECT 110-120 VAC TO THE GAS CONTROL VALVE OR THE APPLIANCE WILL MALFUNCTION AND THE VALVE WILL BE DESTROYED.** See Figure 13-STANDING PILOT IGNITION WIRING DIAGRAM.
- 2. OPTIONAL ACCESSORIES.** Optional fan and remote control kits require 110-120 VAC be wired to the factory installed junction box before the fireplace is permanently enclosed. See Figure 14-FAN WIRING DIAGRAM.
- 3. REMOTE WALL SWITCH.** Position the remote wall

switch in the desired position on a wall. Run a maximum of 25 ft. (7.8 m) or less length of 18 A.W.G. minimum wire and connect it to the fireplace ON/OFF switch pigtails. **DO NOT CONNECT 110-120 VAC TO THE REMOTE WALL SWITCH OR THE CONTROL VALVE WILL BE DESTROYED.** See Figure 13.

NOTE: Electrical wiring must be done by a licensed electrician.

CAUTION: LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION.

Verify proper operation after servicing.

B. DIRECT SPARK IGNITION WIRING
STANDING PILOT IGNITION WIRING DIAGRAM

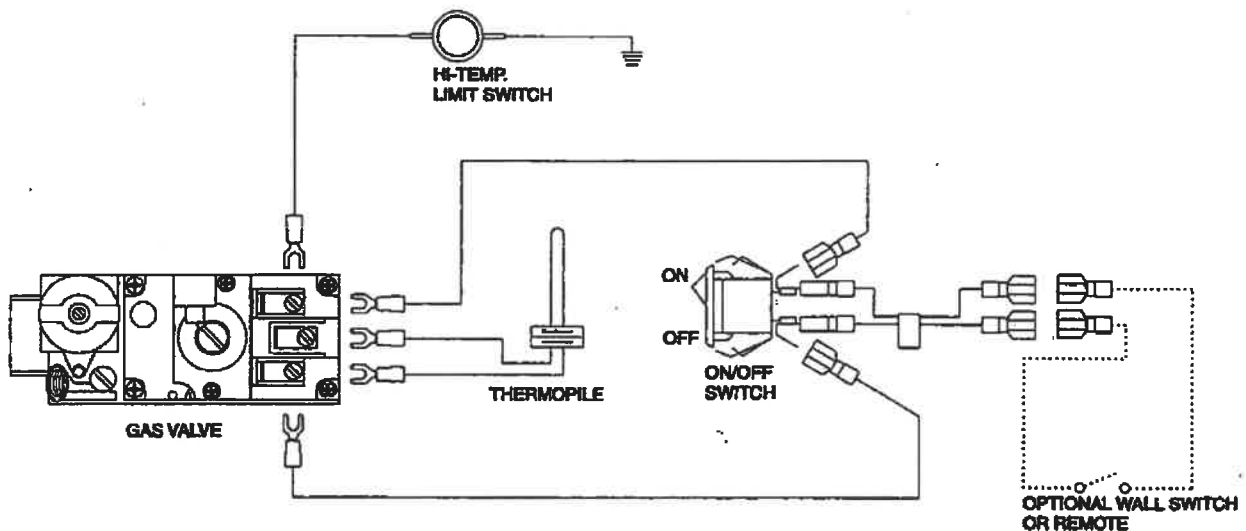


FIGURE 13

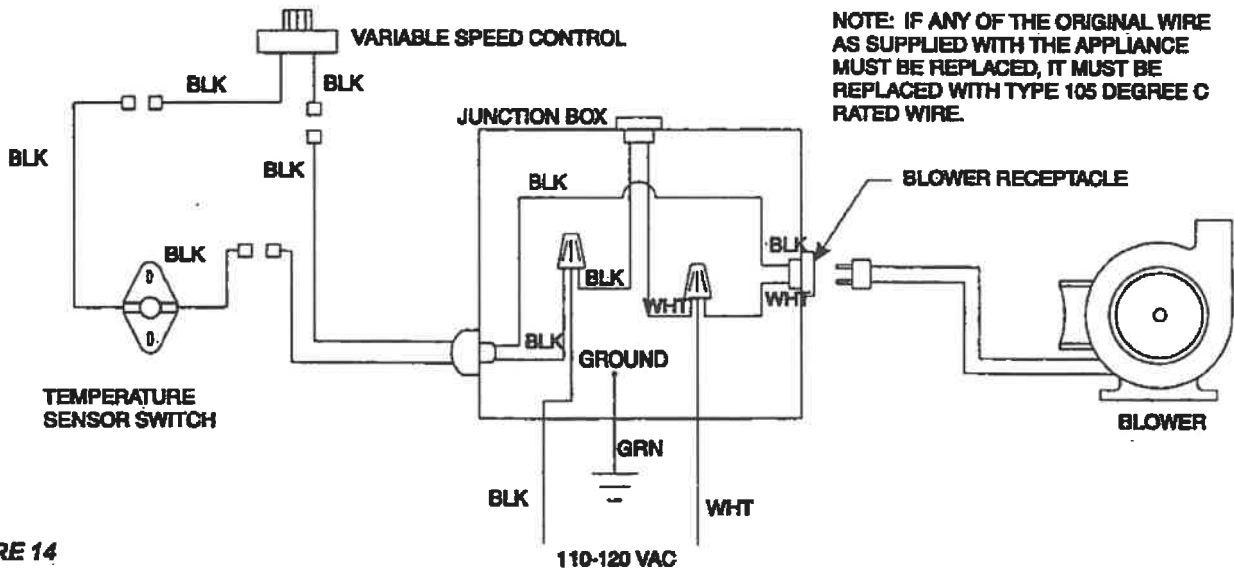
FAN WIRING DIAGRAM

FIGURE 14

1. **APPLIANCE REQUIREMENTS.** This appliance requires 110-120 VAC be wired to the factory-install junction box. Maintain correct polarity when wiring the junction box. See Figure 15-DSI Wiring Diagram.
2. **OPTIONAL ACCESSORIES.** Optional fan and remote control kits require 110-120 VAC which has been wired to the fireplace junction box. See Figure 14 - FAN WIRING DIAGRAM.
3. **REMOTE WALL SWITCH.** Position the remote wall

switch in the desired position on a wall. Run a maximum of 25 ft. (7.8 m) or less length of 16 A.W.G. minimum wire and connect it to the fireplace ON/OFF switch pigtails. See Figure 15.

NOTE: Electrical wiring must be done by a licensed electrician.

CAUTION: LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION.

Verify proper operation after servicing.

DSI WIRING DIAGRAM

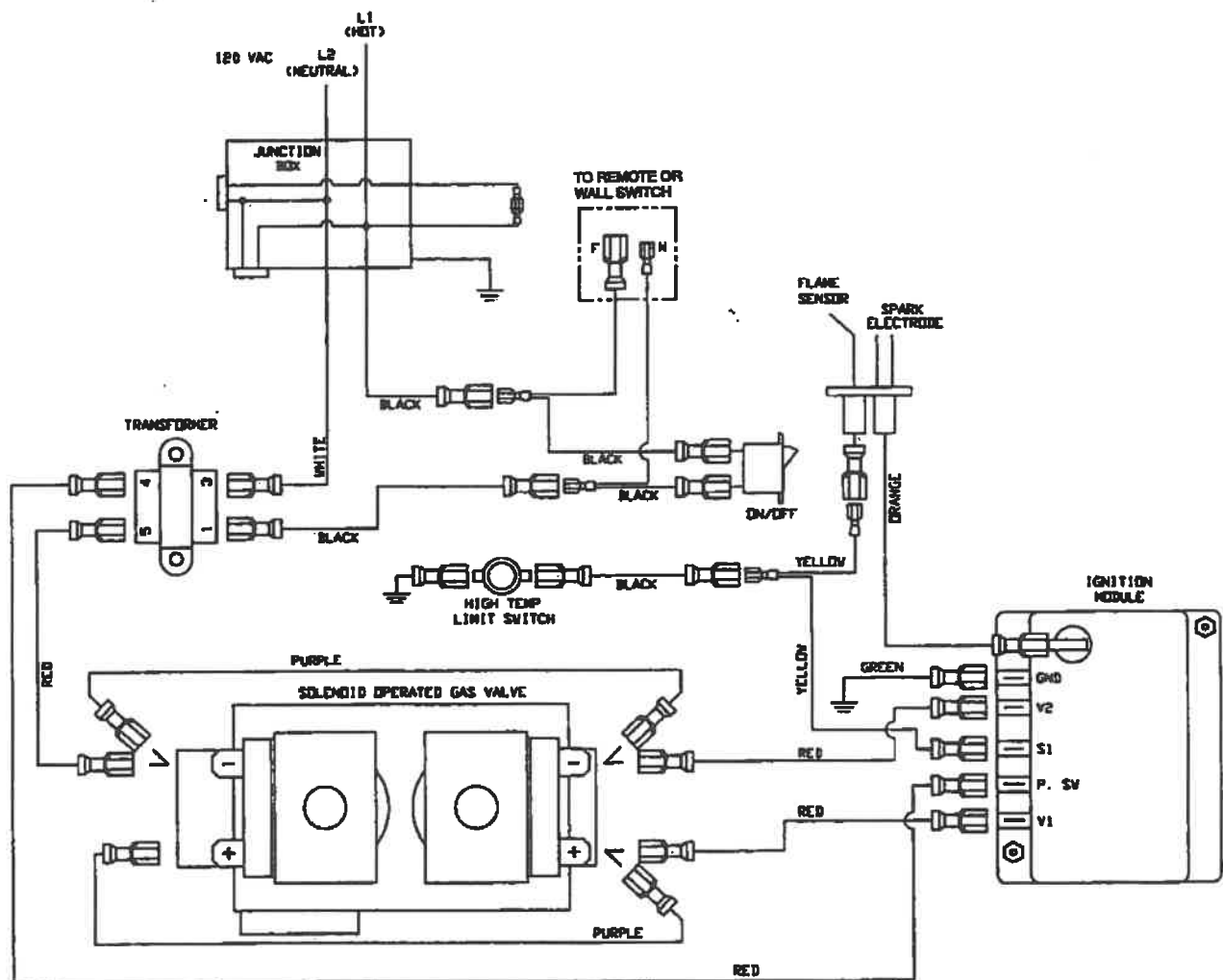


FIGURE 15

STEP 5-TEST FIRE

Read the Safety and Lighting Instructions sections of this manual applicable to the type of ignition system installed in the model. Test fire the burner to check for proper lighting and operation.

STEP 6-FINISHING

Combustible materials may be brought up to the side and top front edges of the fireplace, but must **NEVER** overlap onto the front face. The joints between the finished wall and the fireplace top and sides can only be sealed with a 300° F. (149°C) minimum sealant.

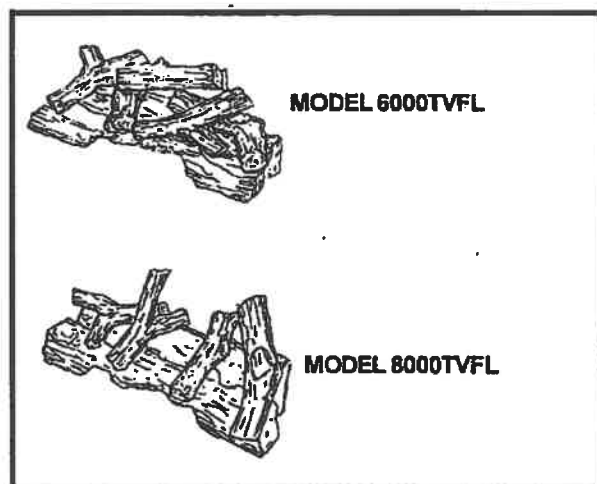
WARNING: WHEN FINISHING THE FIREPLACE, NEVER OBSTRUCT OR MODIFY THE AIR INLET/OUTLET GRILLES IN ANY MANNER.

Install optional marble and brass trim surround kits as desired. Marble, brass, brick, tile or other non-combustible materials can be used to cover up the gap between the sheet rock and the fireplace. Do not obstruct or modify the air inlet/outlet grilles in any manner. When overlapping on the sides, make sure to leave enough space to be able to lower the bottom grille and easily remove the trim door.

STEP 7-LOG POSITIONING

If the gas logs have been factory installed they should not need to be positioned. If the logs have been packaged separately, instructions to install them are with the logs. See Figure 16 to check proper log position.

If sooting should occur, the logs might need to be slightly repositioned to avoid flame impingement.

**FIGURE 16****STEP 8-PLACING EMBER MATERIAL****A. INITIAL SET-UP**

Two separate bags of ember materials are shipped with

this unit. The bag labeled Golden Ember (GE-93) is flame colorant materials. The bag labeled Glowing Ember (050-721) is standard Glowing Ember material.

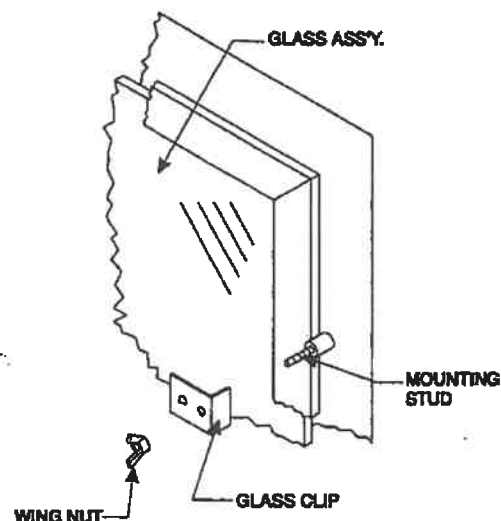
Remove the wing nuts and glass clips around the glass door and remove the glass door from the unit. See Figure 17.

Alternately place a single layer of dime size and shape pieces of Golden Ember (GE-93) and Glowing Ember (050-721) onto the top of the lower burner. See Figure 18.

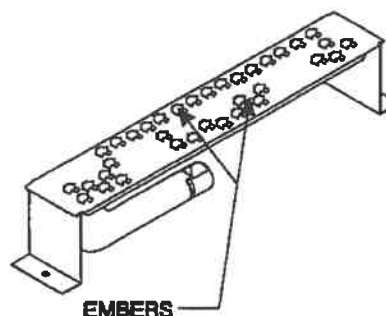
Save the remaining ember materials for use during fireplace servicing.

Replace the glass door back on the unit. Be certain that **ALL** of the glass clips and wing nuts are in place.

Install a trim door onto the unit. It is **STRONGLY RECOMMENDED** that trim doors with mesh screens be installed on propane models. See Accessory Section.



CAUTION: HAND TIGHTEN WING NUTS-DO NOT OVERTIGHTEN.

FIGURE 17**FIGURE 18**

B. FIREPLACE SERVICING

Frequency of fireplace servicing will depend upon use and type of installation.

Carefully brush away or vacuum up any loose material from the burner. Alternately place a single layer of dime size and shape pieces of Golden Ember (GE-93) and Glowing Ember (050-721) onto the top of the burner as you did in the initial set-up. Save the remaining ember materials and repeat this procedure at the next fireplace servicing.

NOTE: It may be necessary to clean the glass door after adding GE-93 flame colorant material. Film deposits on the inside of the glass door should be cleaned off using a household glass cleaner. **DO NOT** handle or attempt to clean the glass when it is **HOT**.

V. OPERATING INSTRUCTIONS

The **OWNER** should carefully read and follow these operating instructions at all times. Open the lower grille to view the gas controls for the fireplace. If your model has a red push button piezo ignitor, the fireplace has a **STANDING PILOT IGNITION SYSTEM**. See Figure 19. If no red button is present, the fireplace has **DIRECT SPARK IGNITION (DSI) SYSTEM**. Follow the Safety, Lighting, and Operating instructions applicable to your fireplace.

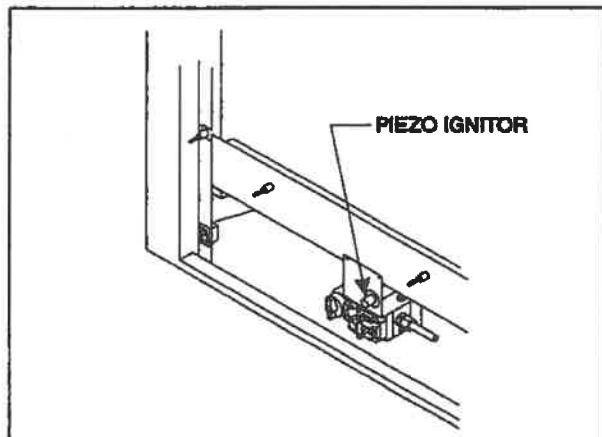


FIGURE 19

A. OPERATING GUIDELINES

Before operating this fireplace, please review the safety warnings pages at the beginning of this manual and those precautions and warnings listed below:

1. Know what type of ignition system this model has (standing pilot or direct spark ignition-DSI) and follow the applicable **SAFETY** and **LIGHTING** instructions.
2. Check to ensure there are no gas leaks. If you are unsure, turn gas off of the fireplace and call a service person or your gas utility.

3. Verify that no obstructions are blocking the vent terminations or the front grilles of the fireplace.

CAUTION: CLOTHING OR OTHER FLAMMABLE MATERIAL SHOULD NOT BE PLACED ON OR NEAR THE APPLIANCE.

WARNING: CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURE AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION. YOUNG CHILDREN SHOULD BE CAREFULLY SUPERVISED WHEN THEY ARE IN THE SAME ROOM AS THE APPLIANCE.

4. Tampering is **DANGEROUS** and voids all warranties. Any component that is found to be faulty must be replaced with an approved component.

5. LPG (PROPANE) WARNING:

THE FOLLOWING WARNING APPLIES TO INSTALLATIONS USING LP (PROPANE) GAS:

WARNING: TO AVOID POSSIBLE INJURY, FIRE AND EXPLOSION, PLEASE READ AND FOLLOW THESE PRECAUTIONS AND ALL INSTRUCTIONS ON THIS APPLIANCE BEFORE LIGHTING THE PILOT. THIS APPLIANCE USES LP (PROPANE) GAS WHICH IS HEAVIER THAN AIR AND WILL REMAIN AT FLOOR LEVEL IF THERE IS A LEAK. BEFORE LIGHTING, SMELL AT FLOOR LEVEL AND/OR USE OTHER MEANS (SUCH AS USING A SOAP SOLUTION ON ALL PIPING AND CONNECTIONS, USING A GAS DETECTOR, ETC.) TO CHECK FOR GAS LEAKS. NOTE: LP (PROPANE) GAS CAN BECOME ODORLESS AND CANNOT ALWAYS BE DETECTED BY SMELL. IF YOU SMELL GAS, DETECT A GAS LEAK, OR SUSPECT THAT A GAS LEAK EXISTS, FOLLOW THESE RULES:

1. Get all people out of the building.
2. **DO NOT** light matches. **DO NOT** turn electric lights or switches on or off in area. **DO NOT** use an electric fan to remove gas from area. **DO NOT** use a telephone inside the building.
3. Shut off gas at LP tank outside of building.
4. Telephone gas company and fire department. Ask instructions.

Before hanging up, give your name, address, and phone number. **DO NOT** go back into building.

If your LP tank runs out of fuel, turn off gas at the appliance. After LP tank is refilled, appliance must be re-lit according to manufacturer's instructions. If the gas control has been exposed to **WATER** in any way, **DO NOT** try to use it. It must be replaced. **DO NOT** attempt repair on gas control or appliance.

B. INITIAL LIGHTING

Upon completing the gas line or turning the gas valve on after it has been in the "OFF" position, a small amount of air will be in the lines. When first lighting the fireplace, it will take a few minutes for the lines to purge themselves of this air. Once the purging is complete, the fireplace will light and operate satisfactorily.

Subsequent lightings of the appliance will not require such purging if the gas valve is not turned to "OFF".

When the burner is lit for the first 4-8 hours, the appliance may emit a slight odor for an hour or two. This is due to paint and lubricants used in the manufacturing process. Additionally, for the first few minutes after each lighting, vapor may condense and fog the glass and flames may be blue. After a few minutes this moisture will disappear and within 15-30 minutes the flames should become yellow.

The fireplace may produce a noise, caused from metal expansion and contraction as it heats up and cools down. This noise is similar to one that a furnace or heat duct may produce and does not affect the operation or longevity of the fireplace.

C. STANDING PILOT OPERATION

1. Follow the SAFETY and LIGHTING INSTRUCTIONS for standing pilot controls found in this manual and on labels found in the controls compartment behind the lower grille.

CAUTION: DURING THE INITIAL PURGING AND SUBSEQUENT LIGHTINGS, NEVER ALLOW THE GAS VALVE CONTROL KNOB TO REMAIN DEPRESSED IN THE "PILOT" POSITION WITHOUT PUSHING THE RED IGNITOR BUTTON AT LEAST ONCE EVERY SECOND.

2. During the heating season, leave the control valve knob in the "ON" position. This will allow the pilot flame to remain lit. Turn the burner flame on or off with the fireplace ON/OFF rocker switch, wall switch, or remote control kit.

NOTE: This model has a gas control valve which allows you to increase or decrease the height of the main burner flame. The control valve has a pressure regulator with a knob as shown in Figure 20. Rotate the knob clockwise to "HI" to increase the flame height and counterclockwise to "LO" to decrease the flame height.

3. When the heating season is over, turn the on/off switch to "OFF" and the control valve to "OFF". The system, including the pilot light, will be shut down.

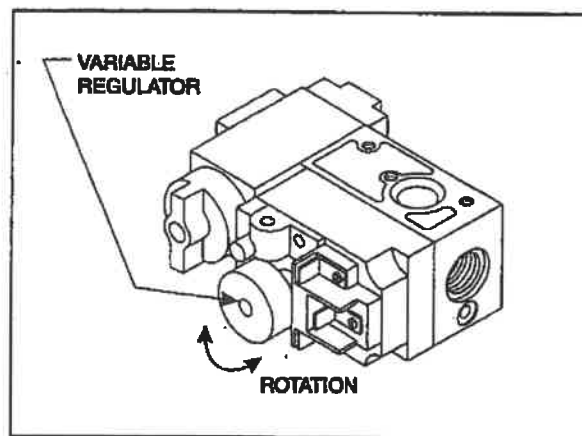


FIGURE 20

D. DIRECT SPARK IGNITION OPERATION

1. Follow the SAFETY and LIGHTING INSTRUCTIONS for DSI controls found in this manual and on labels found in the controls compartment behind the lower grille.
2. During the heating season, leave the control valve to the "ON" position. Turn the fireplace ON/OFF rocker switch, wall switch, or remote control kit to "ON". This causes the ignitor to spark and light the burner. Turn the switch to "OFF" and the burner will extinguish.
3. When the heating season is over, turn the on/off switch to "OFF" and the control valve to "OFF". The system will be shut down.

FOR YOUR SAFETY READ BEFORE LIGHTING

WARNING: IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

STANDING PILOT

- A. This appliance (standing pilot version) has a pilot which must be lit by hand. When lighting the pilot, follow these instructions exactly.
- B. **BEFORE LIGHTING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.
- C. Use only your hand to push in or turn knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it; call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

DSI IGNITION

- A. This appliance (DSI ignition version) does not have a pilot. It is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.
- B. **BEFORE OPERATING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

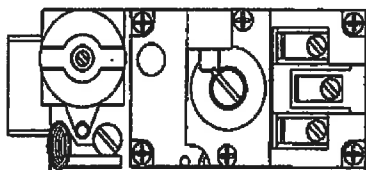
WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.
- C. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

LIGHTING INSTRUCTIONS

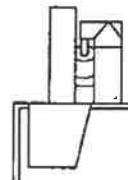
STANDING PILOT CONTROLS

1. "STOP!" Read the safety information above first.
2. To access controls, open the lower grille.
3. Open the air damper - move it to the left.
4. Turn the valve control knob to the OFF position. To do this, you must turn the knob clockwise to the PILOT position, and then press in and continue turning clockwise to the OFF position.



GAS CONTROL VALVE

THERMOPILE



PILOT BURNER

7. To put the control in the PILOT position, turn the control knob counter-clockwise to the PILOT position.
8. To light the pilot depress the control knob and then depress the red piezo button once every second. The piezo makes a clicking sound. It may be necessary to repeat this step. If the pilot does not light after 10 seconds, go back to step 3. The control knob should be held down for a MINUTE after pilot ignition.
 - If the control knob does not pop out when released, STOP-shut off the gas supply to the fireplace control valve, and IMMEDIATELY call your service technician or gas supplier.
 - If the pilot will not stay lit after two tries, turn the control knob to the "OFF" position and call your service technician or gas supplier.
9. After the pilot has been lit, the burner can be turned on by turning the knob counter-clockwise to the "ON" position. Set the ON/OFF switch to the "ON" position.
10. Close the lower grille.

NOTE: Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.

5. WAIT AT LEAST FIVE (5) MINUTES TO CLEAR OUT ANY GAS. If you have unsuccessfully tried to light the fireplace, wait longer, especially if you are using LP gas. Then smell for gas, including near the floor. If you then smell gas, STOP! Follow "B" in the safety information above. If you don't smell gas, go to the next step.
6. The pilot should not require accessing for lighting purposes. The pilot is located inside the combustion chamber. If it is necessary to access the pilot, remove the trim door and glass door.

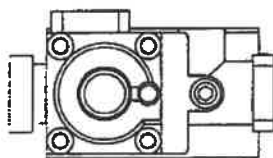
TO TURN OFF GAS APPLIANCE

1. Open the lower grille.
2. Turn ON/OFF switch to "OFF".
3. Turn the valve control knob clockwise to the "Pilot" position, then depress knob and continue turning to "OFF" position.
4. Close the lower grille.

LIGHTING INSTRUCTIONS

DSI CONTROLS

1. **STOP!** Read the safety information in the "For Your Safety Read Before Operating DSI Controls" section of this instruction.
2. Turn off all electric power to the appliance.
3. This appliance is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.



GAS VALVE

4. **WAIT AT LEAST FIVE (5) MINUTES TO CLEAR OUT ANY GAS.** If you have unsuccessfully tried to light the fireplace, wait longer, especially if you are using LP gas. Then smell for gas, including near the floor. If you then smell gas, **STOP!** Follow "B" in the safety information located on the previous pages. If you don't smell gas, go to next step.
5. Turn on all electric power to the appliance.
6. Open the lower grille.
7. Turn ON/OFF rocker switch to "ON".
8. If the appliance will not operate, follow the instructions "To Turn Off Gas to Appliance" and call service technician or gas supplier.

TO TURN OFF GAS TO APPLIANCE

1. Open the lower grille.
2. Turn ON/OFF switch to "OFF".
3. Turn off all electric power to the appliance if service is to be performed.

VI. MAINTENANCE & SERVICE INSTRUCTIONS

IMPORTANT: Turn off gas before servicing appliance. It is recommended that a competent service technician perform these check-ups at the beginning of each heating season.

- **CLEAN BURNER AND CONTROL COMPARTMENT.**

Keep the control compartment, logs, and burner areas surrounding the logs clean by vacuuming or brushing at least twice a year.

- **CHECK FLAME PATTERNS.**

Visually check the burner flame pattern periodically. Make sure the flames are steady, not lifting or floating. See Figure 21 for flame patterns. **NOTE:** The type of installation, vent system configuration, and wind effects may cause the flame patterns to vary.

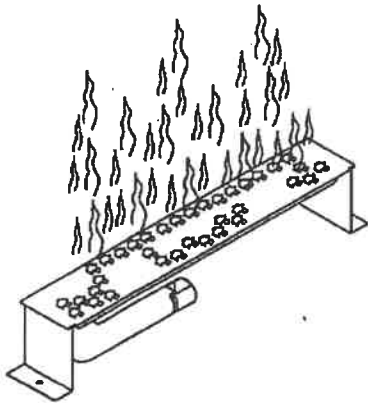


FIGURE 21

The flame sensor (DSI) or thermopile/thermocouple (standing pilot) tips should be covered with flame. See Figure 22.

- **CHECK VENT SYSTEM**

The appliance and venting system should be inspected before initial use and at least annually by a qualified field service person. Inspect the external vent cap on a regular basis to make sure that no debris is interfering with the air flow.

- **CLEAN GLASS DOOR**

NOTE: You **SHOULD** thoroughly clean the inside of the glass door after the first two or three fires.

Periodically clean the glass door as necessary. Do not use abrasive cleaners and do not attempt to clean the glass when it is hot.

Replace any glass that is chipped, cracked, or broken. Replacement glass door assemblies must be supplied by the appliance manufacturer—no substitute materials may be used.

VII. FIELD CONVERSIONS

Kits for converting this appliance from one gas to another (natural gas to LPG/propane or LPG/propane to natural gas) are listed in the ACCESSORIES section of this manual. LPK kits convert from natural gas to LPG. NGK kits convert from LPG to natural gas.

WARNING: ANY CHANGES, ADDITIONS, OR CONVERSIONS REQUIRED IN ORDER FOR THE APPLIANCE TO SATISFACTORILY MEET THE APPLICATION NEEDS MUST BE MADE BY A HEAT-N-GLO DISTRIBUTOR (OR OTHER QUALIFIED AGENCY) USING ONLY FACTORY SPECIFIED AND APPROVED PARTS. DETAILED INSTRUCTIONS AND APPLIANCE LABELING REQUIREMENTS ARE IN EACH KIT AND MUST BE CAREFULLY FOLLOWED.

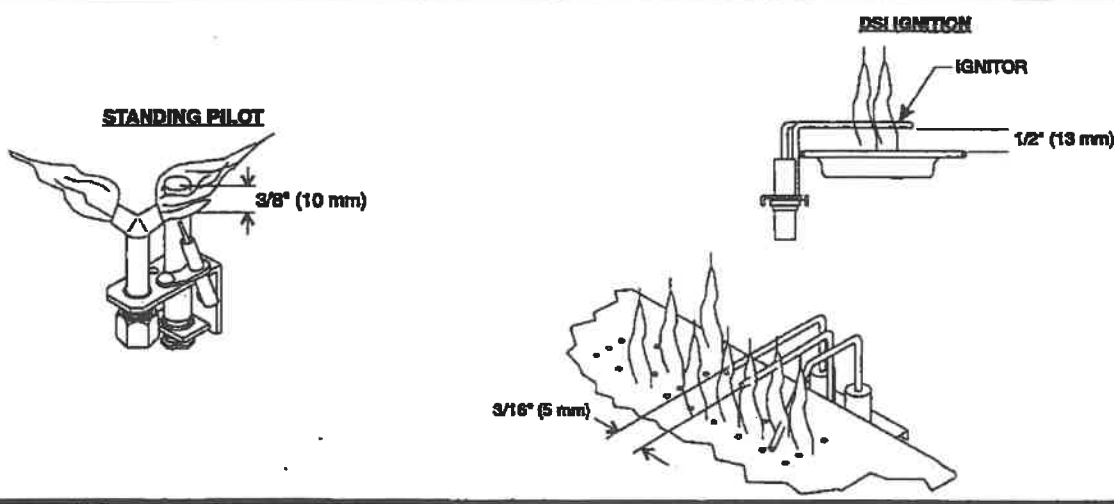


FIGURE 22

VIII. A. STANDING PILOT-TROUBLE SHOOTING

With proper installation and maintenance, your new Gas Fireplace should provide years of trouble-free service. If you do experience a problem, refer to the Trouble Shooting Guide below. This guide will assist a qualified service person in the diagnosis of problems and the corrective action to be taken.

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
I. Spark Ignitor will not light pilot after repeated triggering of red button.	A. Defective ignitor (no spark at electrode).	Check for spark at electrode and pilot; if no spark and electrode wire is properly connected, replace ignitor.
	B. Defective pilot or misaligned electrode (spark at electrode).	Using a match, light pilot. If pilot lights, turn off pilot and trigger the red button again. If pilot lights, an improper gas/air mixture caused the bad lighting and longer purge period is recommended. If pilot will not light - check gap at electrode and pilot - should be 1/8 inch to have a strong spark. If OK, replace pilot.
	C. No gas or low gas pressure.	Check remote shut off valves from fireplace. Usually there is a valve near the main. There can be more than one (1) valve between the fireplace and main. Low pressure can be caused by a variety of situations such as a bent line, too narrow diameter of pipe, or low line pressure. Consult with plumber or gas supplier.
	D. No L.P. in tank.	Check L.P. (propane) tank. You may be out of fuel.
II. Pilot will not stay lit after carefully following lighting instructions.	A. Defective thermopile.	Check pilot flame. Must impinge on thermopile. Clean and or adjust pilot for maximum flame impingement on thermopile. Be sure wire connections from thermopile at gas valve terminals are tight and thermopile is fully inserted into pilot bracket. Check thermopile with millivolt meter. Take reading at "TH-TP&TP" terminals of gas valve. Should read 325 millivolts minimum while holding valve knob depressed in pilot position, pilot lit, and on/off switch "OFF". Replace faulty thermopile if reading is below specified minimum.

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
	B. Defective valve.	Disconnect thermopile leads from the valve with pilot "ON", take reading at the thermopile leads - should 325 millivolts minimum. Replace thermopile if reading is below minimum. Turn green knob to pilot position, depress and light pilot light. If meter reading is less than 325 m.v. after 30 seconds, or if pilot does not stay lit, the valve is defective.
III. Pilot burning, no gas burner, valve knob "ON", "on-off" switch "ON".	A. "On-Off" switch or wires defective. B. Thermopile may not be generating sufficient millivoltage. (325m.v.) C. Defective valve. D. Plugged burner orifice. E. Wall switch or wires defective.	Check "on-off" switch and wires for proper connections. Place jumper wires across terminals at switch-if burner comes on, replace defective switch. If OK, place jumper wires across switch wires at gas valve-if burner comes on, wires are faulty or connections are bad. Recheck Symptom #2. If pilot flame is not physically close enough to thermopile, replace the pilot assembly. Turn valve knob to "ON". Place ON/OFF switch to "ON". Check with millivolt meter at thermopile terminals. Millivolt meter should read greater than 125 m.v. If the reading is okay and the burner does not come on, replace the gas valve. Check burner orifice for stoppage and remove. Follow corrective action in A.1 above; check switch and wiring. Replace where defective.
IV. Frequent pilot outage problem.	A. Pilot flame may be too low or blowing (high), causing the pilot safety to drop out.	Clean and adjust pilot flame for maximum flame impingement on thermopile.
V. Pilot and main burner go out while being in operation.	A. High limit switch is defective or has reached its maximum temperature.	Allow unit to cool. Then repeat lighting instructions. If pilot and burner remain lit, after the fireplace warms up, the switch is good.

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
	B. No L.P. in tank. C. Bad thermopile. D. Improper vent cap installation.	If 1 above does not allow for ignition, or the fireplace continues to shut-off, disconnect the limit switch wire from the gas valve and repeat lighting instructions. If the pilot and burner remain lit after the fireplace warms up, replace the limit switch. Do not use the fireplace until the high limit switch is replaced and properly wired. Check L.P. (Propane) tank. You may be out of fuel. Replace if necessary. Check for proper installation & freedom from debris or blockage.
VI. Glass soots.	A. Flame impingement. B. Improper venturi setting. C. Debris around venturi.	Adjust the log set so that the flame does not impinge on it. Adjust the air shutter at the base of the burner. Inspect the opening at the base of the burner. It is imperative that <u>NO</u> material be placed in this opening.
VII. Flame burns blue and lifts off burner.	A. Insufficient oxygen being supplied.	Check to make sure vent cap is installed properly and free of debris. Check to make sure that no debris has been placed in the area at the base of the burner. Be sure air damper is open.

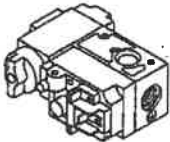
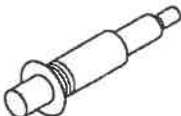
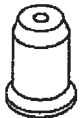
B. DSI IGNITION-TROUBLE SHOOTING

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
I. Burner does not light.	A. Unit junction box is not electrically grounded or properly connected. B. No fuel supply.	Be certain 110 VAC is connected. Be certain 110 VAC supply is properly grounded in junction box. Check to be sure fuel supply is properly connected.
II. Main burner goes out while being in operation.	A. No fuel supply. B. High limit switch is defective or has reached its maximum temperature. C. Improper vent cap installation.	Check to be sure incoming fuel supply is properly connected. Allow unit to cool. Then repeat lighting instructions. If pilot burner remains lit after the fireplace warms up, the switch is good. If 1 above does allow for ignition, or the fireplace continues to shut-off, disconnect the limit switch wire from the gas valve and repeat lighting instructions. If the pilot and burner remain lit after the fireplace warms up, replace the limit switch. Do not use the fireplace until the high limit switch is replaced and properly wired. Check for proper installation and freedom from debris or blockage.
III. Glass soots.	A. Improper venturi setting. B. Improper venturi setting. C. Debris around venturi.	Adjust the air shutter at the base of the burner. Adjust the air shutter at the base of the burner. Inspect the base of the burner. It is imperative that NO material be placed in this opening.
IV. Flame burns blue and lifts off burner.	A. Insufficient oxygen being supplied.	Check to make sure vent cap is installed properly and free of debris. Check to make sure that no debris has been placed around the base of the burner.

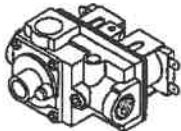
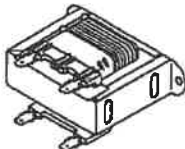
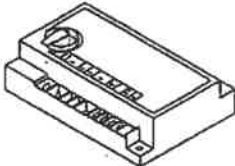
IX. REPLACEMENT PARTS

When requesting service or replacement parts for your fireplace, please provide model number and serial number. All parts listed in this manual may be ordered from an authorized dealer.

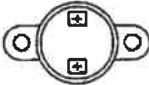
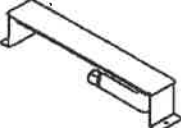
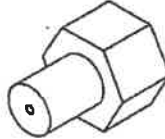
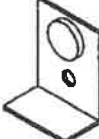
A. STANDING PILOT ONLY

PART	PART DESCRIPTION	PART NUMBER
	Valve LP	SRV40-501
	Valve NG	SRV40-500
	Piezo Ignitor	SRV60-513
	Thermopile	SRV60-512
	Pilot Orifice LP	SRV60-505
	Pilot Orifice NG	SRV60-517
	Pilot Assembly LP	SRV446-513A
	Pilot Assembly NG	SRV446-512A
	Pilot Tube	SRV446-301
	Burner Tube	
	- 8000TVFL	SRV410-302A
	- 6000TVFL	SRV425-300A

B. DSI IGNITION ONLY

PART	PART DESCRIPTION	PART NUMBER
	DSI Valve LP	SRV77-501
	DSI Valve NG	SRV77-500
	Transformer	SRV60-599
	DSI Module	SRV420-592
	Electrode	SRV77-591
	Burner Tube	
	- 8000TVFL	SRV410-303A
	- 6000TVFL	SRV422-302A

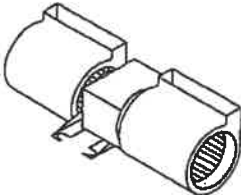
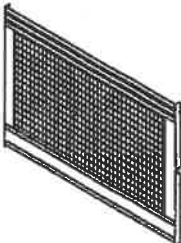
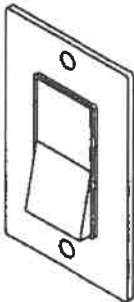
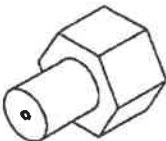
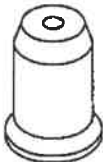
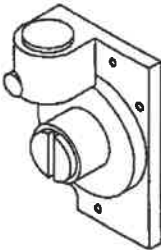
C. BOTH STANDING PILOT AND DSI IGNITION

PART	PART DESCRIPTION	PART NUMBER
	High Temperature Limit Switch	SRV92-531
	Burner	
	- 8000TVFL NG	SRV410-326A
	- 8000TVFL LP	SRV410-325A
	- 6000TVFL NG	SRV446-176A
	Burner Orifice	
	- 8000TVFL NG	SRV67-800
	- 8000TVFL LP	SRV79-803
	- 6000TVFL NG	SRV79-830
	On/Off Rocker Switch	SRV60-525A
	Glass Door Assembly	
	- 8000TVFL	GLA-8FL
	- 6000TVFL	GLA-6TFL
	Glass Clip Assembly	SRV60-135AX
	Wing Nut	SRV60-872

C. STANDING PILOT AND DSI IGNITION (CONT.)

PART	PART DESCRIPTION	PART NUMBER
	Trim Door	
	- 8000TVFL	DF-8000
 8000TVFL  6000TVFL	Log Set Assembly	
	- 8000TVFL	LOGS-8FL
	- 6000TVFL	LOGS-6FL

X. ACCESSORIES

<u>Accessory</u>	<u>Description</u>	<u>Part No.</u>
	<i>Fan Kit</i>	GFK-160A
 	<i>Trim Door</i> <i>Trim Door (MESH)</i>	<u>6000TVFL</u> DF-36 DF-6000
	<i>Wall Switch Kit</i> • Off White • White	WSK-21 WSK-21-W
 <i>BURNER ORIFICE</i>  <i>PILOT ORIFICE</i>  <i>VALVE REGULATOR</i>	<i>Conversion Kits</i> • 8000TVFL • 6000TVFL	Convert to: <u>Nat. Gas</u> NGK-8FL NGK-6TFL Convert to: <u>LPG</u> LPK-8FL LPK-6DFL

LIMITED 10 YEAR WARRANTY HEAT-N-GLO GAS FIREPLACE PRODUCTS

In order to presumptively establish the dates to which your HEAT-N-GLO Limited 10 Year Warranty runs, you must mail the completed warranty card to HEAT-N-GLO FIREPLACE PRODUCTS, INC., 6665 West Highway 13, Savage, MN 55378, within 60 days of the date of fireplace installation. If you fail to do so, you may be required to prove the date of installation before warranty work can be performed.

The warranty exclusions and limitations of liability are effective upon installation of the fireplace.

Subject to the conditions set forth herein, HEAT-N-GLO FIREPLACE PRODUCTS, INC. ("HEAT-N-GLO") extends the following warranty with respect to HEAT-N-GLO Gas Fireplace Products.

If HEAT-N-GLO is reasonably satisfied that any part or portion of the fireplace covered by this Limited Warranty is defective in material or workmanship under normal use and service as described in the Operating Instructions, HEAT-N-GLO will take the following actions:

1. If the defect is reported during the first year from the date of installation (stainless steel burners and fiber logs are covered for 3 years), HEAT-N-GLO will replace or repair the defective components at its sole expense. The decision whether to replace a component shall be made at HEAT-N-GLO's sole discretion. This Limited Warranty does not cover components broken during shipping, misuse or careless handling. HEAT-N-GLO shall be not responsible for any indirect, incidental, or consequential damages or for any costs other than those incurred by HEAT-N-GLO to repair or replace the defective component. If components (including venting) other than factory approved components are used, all warranty and liability on the fireplace is voided. **Defects reported after the first year will not be covered by warranty unless they fall within the purview of paragraph 2 or 3 below.**
2. If the following defects are reported during the second year after the date of installation, HEAT-N-GLO will supply replacement parts at the current wholesale price: defective electrical or manual components, optional components or accessories, and glass panels (not including glass panels broken during misuse or careless handling). HEAT-N-GLO shall not be responsible for any labor, transportation or other costs. Furthermore, it shall not be liable for any indirect, incidental or consequential damages.
3. HEAT-N-GLO will replace or repair a defective firebox or heat exchanger, at any time during the 10 years from the date of installation. The decision whether to replace the defective component shall be made at HEAT-N-GLO's sole discretion. HEAT-N-GLO shall not be responsible for any indirect, incidental or consequential damages or for any costs other than those incurred by HEAT-N-GLO to repair or replace the defective component.

This Limited Warranty is the exclusive remedy available to you. If HEAT-N-GLO cannot effectively resolve a warranty problem in an expedient and cost-effective manner, it can discharge its entire warranty liability by refunding the price of the product to you.

Products made by other manufacturers, whether sold with the fireplace or added thereafter, are NOT covered by this Limited Warranty. The use of other unauthorized components will make this warranty null and void. This Limited Warranty will also be void if the appliance is not installed by a qualified installer in accordance with the Installation Instructions. Furthermore, the Limited Warranty will be void if the fireplace is not operated, at all times, according to the Operating Instructions furnished with the fireplace. Any service work must be performed by authorized service representatives.

EXCEPT TO THE EXTENT PROVIDED BY LAW, NO OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY TO THE FIREPLACE PRODUCT. In States that do not allow limitations on how long an implied warranty lasts, or do not allow exclusion of indirect damages, those limitations or exclusions may not apply to you. You may also have additional rights not covered in this Limited Warranty.

HEAT-N-GLO reserves the right to make changes at any time, without notice, in design, material, specifications and prices. It also reserves the right to discontinue styles and products.

WED TRAILER

07 =

50-8'

50 9'

~~10 10~~ 16'

6 SHEET PLY

00 9'

DAVE: 664 0006
Jobs 613-1066
408 715-3050

12 2x4 8'

1 SHEET

3 RB LOAD .09

the SINGLE-SIDED WOOD *line*

CLEAN

ELEGANT

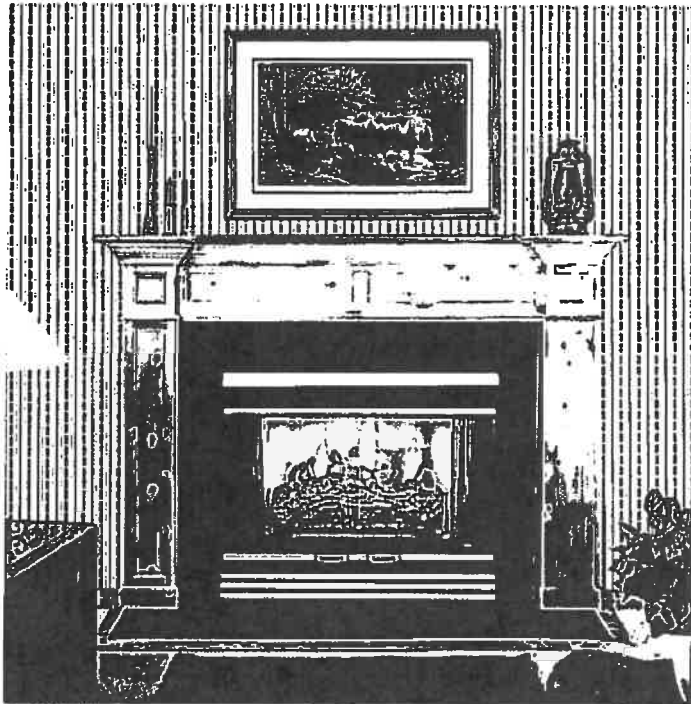
EFFICIENT

BEAUTIFUL

HEAT-N-GO

the SINGLE-SIDED WOOD *line*

Whether you are building a new home or remodeling an existing one, installing an energy efficient fireplace is one of the best investments you can make. Our complete line of woodburning fireplaces consists of three Energy Masters (Models EM-41, EM-42, EM-48), our Clean Burning fireplace (Model CBS-41), 41 and 47" heat circulators (Models RSW-41 & RSW-47) and 41, 47, 51 and 56" clean face opening fireplaces (Models RHW-41, RHW-47, RHW-51 and RHW-56).



Model EM-48

BIG, BOLD, BEAUTIFUL

Like all Energy Master Fireplaces, model **EM-48** is designed with double walls on the sides and on the top where the heat collects. This allows us to trap heat that radiates through the first wall... heat that is normally dissipated and lost in traditional fireplaces. This heat then radiates into the room through a separate convection chamber. Additionally, using an optional high output fan, we push the heat collected in the bottom, back, and top of the unit through a separate heat chamber. The inside of the firebox is seam locked preventing air leakage and enhancing draft.

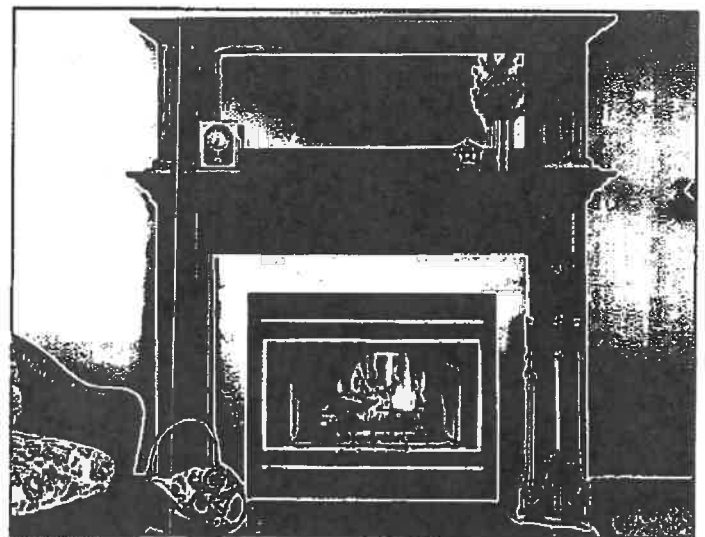
Additionally, the EM-48 and EM-42 contain four heat tubes. The fan system, which comes standard in the EM-42, picks up instant heat generated inside your firebox and forces it through a stainless steel concealed tubular heat converter into your home. With this proprietary combination, it is no longer necessary to wait half an hour or longer for the fireplace to warm up. The tubular heat converter (four heat tubes) provides instant heat and the refractory and optional air-tight doors ensure long lasting heat and up to a 4-8 hour burn time.

Model EM-48 can produce up to 60,000 BTU/hr. with a thermal efficiency in excess of 50% and combustion efficiency in excess of 90%. Heat-N-Glo's Energy Master, Model EM-48, offers both style and performance for a big impact.

Model **EM-42** has a heating system that provides good looks and delivers up to 70,000 BTU/hr. with combustion efficiency up to 90% and an overall efficiency up to 55%. These efficiencies substantially exceed those of most, if not all, other built-in fireplaces. The EM-42 comes standard with outside air provision for combustion and firebrick lining and with a 160 CFM blower.



Model EM-41



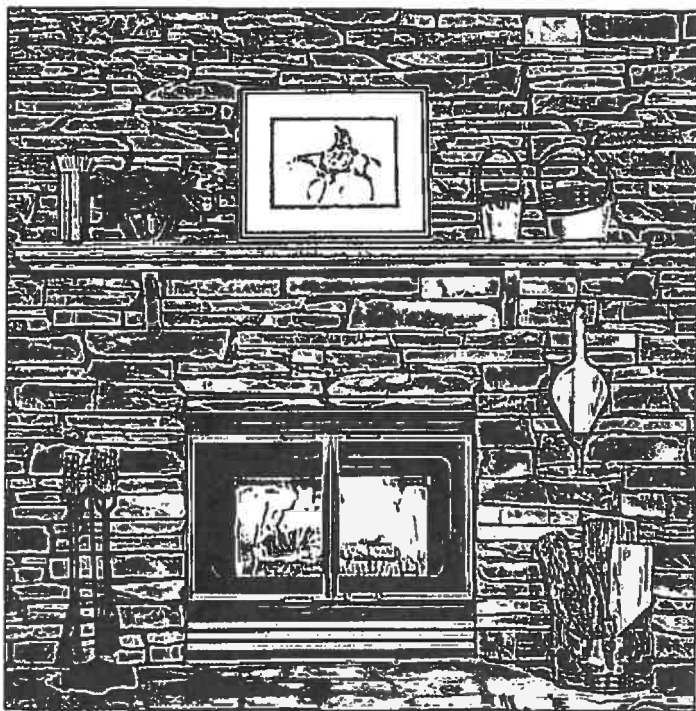
Model EM-42

AN ALL NEW ENERGY MASTER FIREPLACE AT AN AFFORDABLE PRICE

Model **EM-41** is an upscale heat circulating fireplace that is a great alternative for those wanting a large viewing area, true efficiency and a great value for their dollar. It has the same great 36" wide viewing area as the EM-42 with slightly smaller dimensions for convenient installation.

TURN YOUR HOUSE INTO A WARM BEAUTIFUL HOME

Warm Up Those Cool Nights with Heat-N-Glo's High Performance Energy Master Series. Efficiency, aesthetics and value is a combination that's hard to beat. Heat-N-Glo introduces this perfect combination in their Energy Master Series.

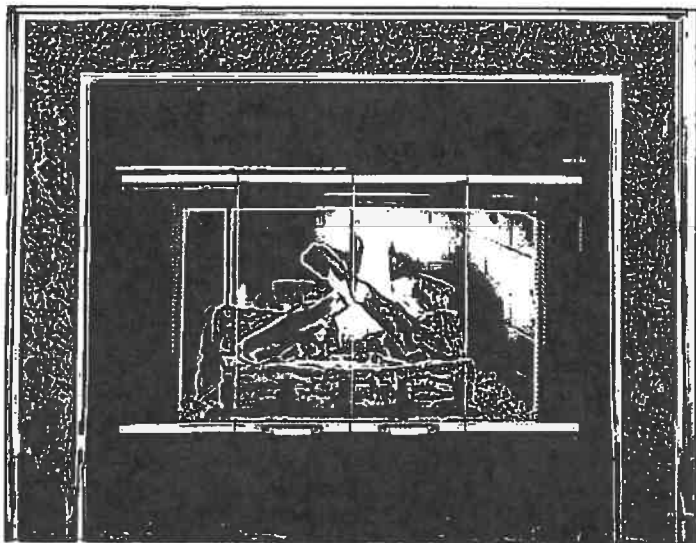


Model CBS-41

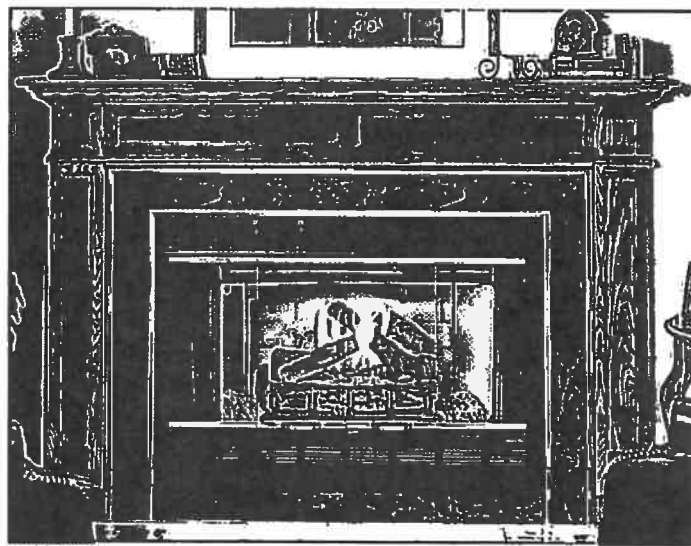
CLEAN BURN WITH EPA CERTIFICATION

Now, consumers living in areas where woodburning is restricted or even banned, or who take a progressive stance on clean air, can still enjoy the traditional beauty and warmth of an energy efficient woodburning fireplace with Model CBS-41. Heat-N-Glo's patented technology has resulted in a high performance EPA Phase II Certified clean burning fireplace system. This environmentally friendly system maintains an average particulate matter emission rate of less than 4 grams per hour (at least 200% less than a conventional open-faced fireplace), making this unit essentially pollution free.

Model CBS-41 is designed with a secondary combustion system that burns the gases released from the solid fuel during primary combustion. This secondary combustion process consumes the gases and particulate matter before they are released into the environment. In addition to the clean burn created by secondary combustion, this process converts all potential energy into heat, creating an average efficiency rating of 63%. The design of this system also allows an extended burn time for fuel — 15 lbs. of wood can burn for up to 7 hours and can produce up to 40,000 BTU/hr.



Model RHW-41



Model RSW-47

GIVE YOUR CASTLE THE ROYAL TREATMENT

Heat-N-Glo's new Royal fireplaces are available in two styles: **clean face** and **heat circulating**. There are four **clean face** sizes: 41" (RHW-41), 47" (RHW-47), 51" (RHW-51) and 56" (RHW-56). These new fireplaces allow finishing products such as brick, tile, stone, etc. to be placed right up to the opening, giving the appearance of masonry for a substantially lower price.

The **heat circulating** models are available in two sizes: 41" (RSW-41), 47" (RSW-47), and will provide plenty of warmth, especially with the optional fan.

Each of these fireplaces comes with a refractory liner pattern, outside air accessibility from either side and a fire-grate. Bi-fold-doors in antique brass, polished brass, and black finishes are available for each model to complete the look.

HEAT-N-GLO MODEL FEATURES



EM-41

- Refractory-lined with realistic tan firebrick
- Fully insulated firebox to keep the warm air in and the cold air out
- Sliding wire mesh firescreen and basket grate
- Installed junction box for optional high output blower installation
- Built-in tight sealing flue damper
- Polished Brass Trim above and below the opening
- Provision for outside air and gas log

EM-42

- Firebrick lined
- Fully insulated firebox to keep the warm air in and the cold air out
- High output standard 160 CFM blower with Rheostat for maximum heat output
- Sliding wire mesh firescreen and basket grate
- Up to 70,000 BTU/hr with an overall thermal efficiency of 55% and combustion 90%+
- Built-in tight sealing flue damper
- Provision for outside air and gas log
- Internal tubes for maximum heat

EM-48

- Up to 60,000 BTU/hr
- Thermal efficiency in excess of 50%
- Combustion efficiency in excess of 90%
- Fully insulated firebox to keep the warm air in and the cold air out
- Refractory lining for durability and heat efficiency
- Internal tubes for maximum heat
- Sliding mesh and basket grate
- Brass Trim Standard
- Installed junction box for optional high output blower installation

CBS-41

- Clean burning; EPA Certified and U.L. Listed
- Air tight ceramic glass doors reduce negative pressure situations
- Adjustable outside air for combustion
- Fully insulated firebox to keep the warm air in and the cold air out
- Firebrick lining for durability and heat efficiency
- Large brass trimmed glass doors (36" x 21")
- Standard Brass Trim above and below glass doors
- Installed junction box for optional blower installation
- Ultimate heat producing stove-like fireplace

RHW-41, RHW-47, RHW-51 & RHW-56

- Clean Faced Opening
- New Refractory Liner Pattern
- Outside Air Accessible from either side
- Unique Fire Grate

RSW-41 & RSW-47

- Heat Circulating
- New Refractory Liner Pattern
- Outside Air Accessible from either side
- Unique Fire Grate
- Optional Blower

All above products are U.L. Listed.

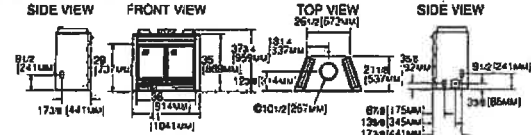
These products are covered under one or more of the following patents: 4,793,322, 1,297,749, 4,875,464, 5,000,162, 5,016,609, 5,076,254, 5,218,953, 5,429,495, 5,452,708 and patents pending.



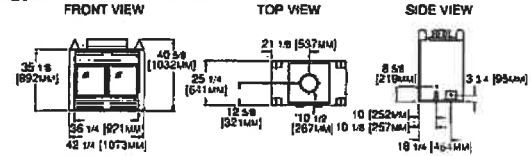
No One Builds A Better Fire

HEAT-N-GLO, a division of Hearth Technologies Inc.
6665 W. Hwy 13, Minneapolis, MN 55378
(612) 890-8367 Fax (612) 890-3525
Email us at: info@heatnglo.com
Visit our Web site at: <http://www.heatnglo.com>

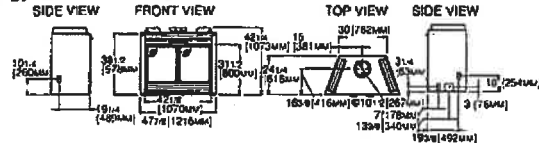
Energy Master Model EM-41



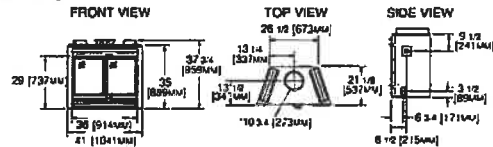
Energy Master Model EM-42



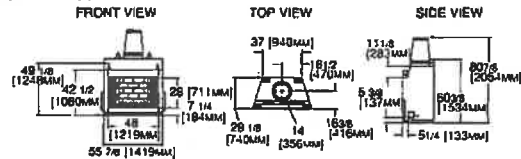
Energy Master Model EM-48



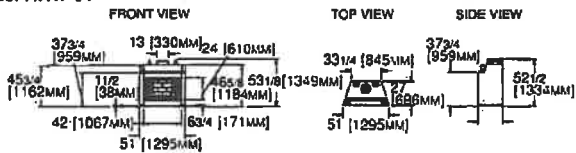
Model CBS-41



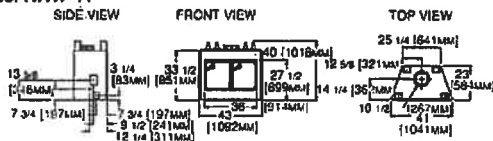
Model RHW-56



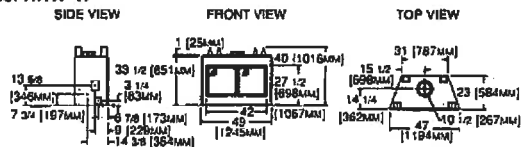
Model RHW-51



Model RHW-41



Model RHW-47



SPECIFICATIONS

MODEL	HEIGHT		FRONT WIDTH		BACK WIDTH		DEPTH		GLASS SIZE
	Actual	Framing	Actual	Framing	Actual	Framing	Actual	Framing	
EM-41	37 3/4	38 1/4	41	42	26 1/2	42	21 1/8	21 5/8	31 1/2 x 20 3/4
EM-42	40 5/8	41 1/4	42 1/4	43 1/4	42 1/4	43 1/4	25 1/4	25 5/8	36 x 19 1/8
EM-48	42 1/4	42 3/4	48	49	30	49	24 1/4	25 1/4	42 x 24
CBS-41	37 3/4	38 1/4	41	42	26 1/2	42	21 1/8	21 5/8	35 1/2 x 20 3/4
RHW-41 & RSW-41	40	40 1/2	41	43	25 1/4	43	23	23 1/2	36 x 20 1/2
RHW-47 & RSW-47	40 1/8	40 5/8	47	49	31 1/4	49	23	23 1/2	42 x 20 1/2
RHW-51	53 1/8	53 5/8	51	52	33 1/4	52	27	28	51 x 24
RHW-56	60 3/8	60 7/8	55 7/8	56 7/8	37	56 7/8	28 1/8	29 5/8	48 x 28

Reference dimensions only. We recommend measuring individual units at installation.
HEAT-N-GLO reserves the right to update units periodically.
The flame and ember appearance may vary based on the type of fuel burned and the venting configuration used.



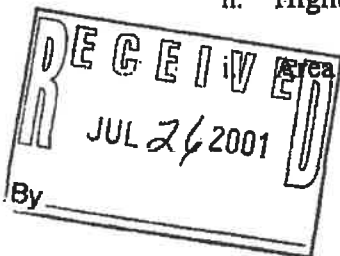
LAND USE \$10.00 ~~OR~~ REG. "B" 135.07

DP# 1899

TOWNSHIP OF HOWELL

THE UNDERSIGNED HEREBY APPLIES FOR A DEVELOPERS PERMIT FOR THE FOLLOWING TO BE ISSUED ON THE BASIS OF THE REPRESENTATIONS CONTAINED HEREIN, ALL OF WHICH THE APPLICANT SWEARS TO BE TRUE.

1. NAME OF DEVELOPER OR PROPERTY OWNER (Print) GREEN TREE ESTATES L.L.C.
2. DEVELOPMENT NAME: (Print) GREEN TREE ESTATES
3. TELEPHONE NUMBER: 961-1141
CELL PHONE NUMBER: 814-5811 FAX NUMBER: 961-1143
3. CASE NUMBER: _____
4. PROPERTY LOCATION: OFF CASINO DRIVE
5. BLOCK: 144 LOT: 135.07 ZONE: ARE-2
6. PROPOSED USE:
New Construction: ☒ Residence: ☒ (COAH)
Remodeling: _____ Business: _____
Accessory Building: _____ Mfg: _____
7. SURVEY OF LOT, SHOWING PUBLIC ROADS, EXISTING BUILDINGS AND PROPOSED CONSTRUCTION OR USE FOR WHICH THIS APPLICATION IS MADE.
 - a. Name of road/street GREEN TREE CT.
 - b. Main road frontage 87.50
 - c. Set back from right-of-way 100' FEET
 - d. Sideyard clearances 30' FEET MIN.
 - e. Rear yard clearances 30 FEET
 - f. Depth of lot from right-of-way 358 FEET
 - g. Dimensions of bldg: width 56' feet 50'-2" depth (feet)
 - h. Highest point of bldg. Above reestablished grade 28' feet



Area of lot 80,965.2 Sq. Ft.

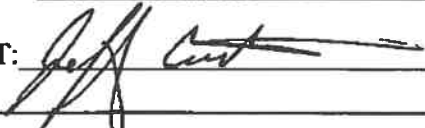
Continued
Page 2.

j. Survey showing existing buildings and proposed construction

Buildings: Use SINGLE FAMILY DWELLING

Number of stories 2 Basement YES ✓
Useable floor space: First Floor 1,689 sq. ft. Second Floor 1,619
Off street parking space 2,085 sq. ft.

PLEASE PRINT NAME OF APPLICANT: JEFF CARTER

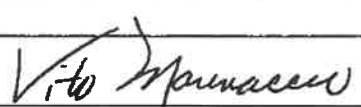
PLEASE SIGN NAME OF APPLICANT: 

FOR ADMINISTRATIVE USE ONLY

PERMIT APPROVAL GRANTED: 7/31/01 Vito Mammaceo

PERMIT APPROVAL DENIED: _____

Upon the basis of the application, the statements are made part hereof, the proposed usage is found to be in accordance with the Township Land Use Ordinance and is hereby approved for the following zone: _____

DATED: 7/31/01 
ADMINISTRATIVE OFFICER

FEE: 10.00

DATE WHEN APPLICATION WAS RECEIVED: 7/26/01

DATE RULED ON: 7/31/01

If Certification is refused, reason for refusal: _____

HOWELL TOWNSHIP
ENGINEERING DEPARTMENT

DATE: 7-27-01

ENGR: _____

ASST ENGR: Mike

INSPECTOR: _____

MEMORANDUM

TO: Mike Pluta, Engineering Inspector

FROM: Vito Marinaccio, Director Land Use

DATE: July 26, 2001

RE: Developers Permit - Green Tree Estates, Inc.
Block 144 Lot(s) 135.07

OTHER: COAH

FILE: DP # 7899
CD # 2760

The above mentioned developer has submitted the following Developers Permit:

<u>Block</u>	<u>Lot</u>	<u>Address</u>
144	135.07	Casino Drive

Please review and let me know your findings.

RECEIVED B. L. Sexton - 7/31/01

RETURNED 7-30-01 OK TO ISSUE

SIGNATURE M. C. Genu

TOWNSHIP OF HOWELL ENGINEERING DEPARTMENT

MEMORANDUM

TO: ED MACK – CONSTRUCTION CODE OFFICIAL

FROM: WILLIAM H. NUNZIATO, JR., PE – TOWNSHIP ENGINEER 

DATE: JULY 26, 2001

RE: SD#2760 GREENTREE ESTATES
ROADWAY BASE COURSE

Please be advised that the roadway base course has been installed at the above subdivision location.

Building Permits can now be issued pending issuance of Land Use Permit.

WHN/ea

Cc: Vito Marinaccio – Zoning Officer ✓