

City of Portland, Maine – Building or Use Permit Application 389 Congress Street, 04101, Tel: (207) 874-8703, FAX: 874-8716

Location of Construction: 34 Eastfield Rd (Lot #8)		Owner: Nigginbottom, Gary & Clara		Phone: 775-7147		Permit No: 961215	
Owner Address: 2 Bayview Terr Pctd, ME 04103		Leasee/Buyer's Name:		Phone:		BusinessName:	
Contractor Name: John Chase Chase Custom Homes & Finishing		Address:		Phone: 839-2722		Permit Issued: DEC 12 1996 CITY OF PORTLAND	
Past Use: Vacant Land		Proposed Use: Single Family		COST OF WORK: \$ 45,000.00		PERMIT FEE: \$ 745.00	
Proposed Project Description: Construct Single Family Dwelling w/attached Garage		FIRE DEPT. <input type="checkbox"/> Approved <input type="checkbox"/> Denied		INSPECTION: Use Group R3 Type: 5 BOCARE		Zone: R-3 CBL: 194-C-056	
		Signature:		Signature:		Zoning Approval: 12-8 12/12/96	
		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: Approved <input type="checkbox"/> Approved with Conditions: <input type="checkbox"/> Denied <input type="checkbox"/>		Signature:		Date:	
Permit Taken By: Mary Gresik		Date Applied For: 27 November 1996		Zoning Appeal: <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied			

1. This permit application doesn't preclude the Applicant(s) from meeting applicable State and Federal rules.
2. Building permits do not include plumbing, septic or electrical work.
3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

Call Gary For Pick-Up 775-7147

DUMPSTER PERMIT

PERMIT ISSUED WITH LETTER

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit

05 December 1996 - Permit Routed
27 November 1996

SIGNATURE OF APPLICANT Gary Nigginbottom ADDRESS: _____ DATE: _____ PHONE: _____

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE _____ PHONE: _____

White-Permit Desk Green-Assessor's Canary-D.P.W. Pink-Public File Ivory Card-Inspector

CEO DISTRICT

4

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Contractor Name: John Chase Chase		Address: Custom Homes & Financing		Phone: 839-2723		<div style="border: 1px solid black; padding: 5px; text-align: center;"> PERMIT ISSUED DEC 12 1996 CITY OF PORTLAND </div>	
Past Use: Vacant Land		Proposed Use: Single Family		COST OF WORK: \$ 145,000.00 PERMIT FEE: \$ 745.00		INSPECTION: Use Group: <i>R</i> Type: <i>5B</i> <i>BOCA 96</i> Signature: _____ Date: _____	
Proposed Project Description: Construct Single Family Dwelling w/attached Garage				PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: Approved <input type="checkbox"/> Approved with Conditions: <input type="checkbox"/> Denied: <input type="checkbox"/> Signature: _____ Date: _____			
Permit Taken By: Mary Gresik		Date Applied For: 27 November 1996		Zoning: <i>R-3</i> CBL: 194-C-056 Zoning Approval: <i>with condition</i> <i>82-3 12/19/96</i> Special Zone or Reviews: <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input checked="" type="checkbox"/> Site Plan maj <input type="checkbox"/> minor <input checked="" type="checkbox"/> mm			

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05 December 1996 - Permit Routed

27 November 1996

[Signature]
SIGNATURE OF APPLICANT Gary Higginbottom

ADDRESS: _____ DATE: _____ PHONE: _____

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE _____ PHONE: _____

White-Permit Desk Green-Assessor's Canary-D.P.W. Pink-Public File Ivory Card-Inspector

Historic Preservation
 Not in District or Landmark
 Does Not Require Review
 Requires Review

Action:
 Approved
 Approved with Conditions
 Denied

Date: *12/5/96*

[Signature]

CEO DISTRICT 4



CITY OF PORTLAND, MAINE

Department of Building Inspection

Certificate of Occupancy

LOCATION 34 Eastfield Rd (Lot #8) 194-C-056

Issued to Gary & Clara Higginbottom

Date of Issue 24 March 1997

This is to certify that the building, premises, or part thereof, at the above location, built — altered — changed as to use under Building Permit No. 961215, has had final inspection, has been found to conform substantially to requirements of Zoning Ordinance and Building Code of the City, and is hereby approved for occupancy or use, limited or otherwise, as indicated below.

PORTION OF BUILDING OR PREMISES

Entire

APPROVED OCCUPANCY

Single Family Dwelling
w/attached garage

Limiting Conditions: TEMPORARY:

See attached conditions on memo from Jim Wendel dated 18 March 1997
Room above garage unfinished

**This certificate supersedes
certificate issued**

Approved:

3/29/97 [Signature]

(Date)

Inspector

[Signature]

Inspector of Buildings

Notice: This certificate identifies lawful use of building or premises, and ought to be transferred from owner to owner when property changes hands. Copy will be furnished to owner or lessee for one dollar.

Applicant: Gary Higginbottom

Date: 12/9/96

Address: 34 Eastfield Rd
(lot #8)

C-B-L: 194-C-056

CHECK-LIST AGAINST ZONING ORDINANCE

Date - New

Zone Location - R-3

Interior or corner lot -

Proposed Use/Work - New single family home with attached garage

Sewage Disposal - City

Lot Street Frontage - 50' req - 50' shown

Front Yard - 25' req - ~~25'~~ 30' + shown

Rear Yard - 25' req - 50' + shown

Side Yard - 14' req - 16' on left side - 30' + on right side

Projections - side porch

Width of Lot - 75' req -

Height - 2 story house / 1/2' garage

Lot Area - 6,500^{sq} req - 36,394^{sq} shown

Lot Coverage/ Impervious Surface - max 25% of lot

Area per Family - 6,500^{sq}

Off-street Parking - 2 car garage

Loading Bays -

Site Plan - minor/minor

Shoreland Zoning/ Stream Protection - N/A

Flood Plains - N/A

LAND USE - ZONING REPORT

ADDRESS: 34 Eastfield Rd (lot #8) DATE: 12/9/96

REASON FOR PERMIT: Construct New single family with attached

BUILDING OWNER: GARY & CLARA Higgumbottom C-B-L: 194-C-56

PERMIT APPLICANT: owner

APPROVED: with conditions DENIED: _____

#5, #8

CONDITION(S) OF APPROVAL

1. During its existence, all aspects of the Home Occupation criteria, Section 14-410, shall be maintained.
2. The footprint of the existing _____ shall not be increased during maintenance reconstruction.
3. All the conditions placed on the original, previously approved, permit issued on _____ are still in effect for this amendment.
4. Your present structure is legally nonconforming as to rear and side setbacks. If you were to demolish the building on your own volition, you will not be able to maintain these same setbacks. Instead you would need to meet the zoning setbacks set forth in today's ordinances. In order to preserve these legally non-conforming setbacks, you may only rebuild the garage in place and in phases.
5. This property shall remain a single family dwelling. Any change of use shall require a separate permit application for review and approval.
6. Our records indicate that this property has a legal use of _____ units. Any change in this approved use shall require a separate permit application for review and approval.
7. Separate permits shall be required for any signage.
8. Separate permits shall be required for future decks ~~and/or garage.~~
9. Other requirements of condition _____

Not @ this time 3/5/97. Cap

Marge Schmuckal

Marge Schmuckal, Zoning Administrator,
Asst. Chief of Code Enforcement

BUILDING PERMIT REPORT

DATE: 12/Dec/96 ADDRESS: 34 Eastfield Rd

REASON FOR PERMIT: To Construct a single Family dwelling/garage

BUILDING OWNER: Higginstown

CONTRACTOR: John Chase

PERMIT APPLICANT: Dever


APPROVAL: *1 *2 *4 *5 *9

~~DENIED: *13 *18 *19~~

CONDITION OF APPROVAL OR DENIAL

- * 1. Before concrete for foundation is placed, approvals from the Development Review coordinator and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection)
- * 2. Precaution must be taken to protect concrete from freezing.
3. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained.
- * 4. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of ½ inch gypsum board or the equivalent applied to the garage means of ½ inch gypsum board or the equivalent applied to the garage side. (Chapter 4 Section 407.0 of the BOCA/1996)
- * 5. Guardrail & Handrails A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42" , except Use Group R which is 36". In occupancies in Use Group A, B, H-4, I-1, I-2 M and R and public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect.
6. Headroom in habitable space is a minimum of 7'6".
- * 7. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 3/4" maximum rise. All other Use group minimum 11" tread. 7" maximum rise.
8. The minimum headroom in all parts of a stairway shall not be less than 80 inches.
- * 9. Every sleeping room below the fourth story in buildings of use Groups S and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue they shall have a sill height not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension shall be 20 inches (508mm), and a minimum net clear opening of 5.7 sq. ft.
10. Each apartment shall have access to two (2) separate, remote and approved means of egress. A single exit is acceptable when it exits directly from the apartment to the building exterior with no communications to other apartment units.
11. All vertical openings shall be enclosed with construction having a fire rating of at least one (1) hour, including fire doors with self closer's.
12. The boiler shall be protected by enclosing with (1) hour fire-rated construction including fire doors and ceiling, or by providing automatic extinguishment.
- * 13. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's building code Chapter 9, Section 19, 919.3.2 (BOCA National Building Code/1996), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):
 - In the immediate vicinity of bedrooms
 - In all bedrooms
 - In each story within a dwelling unit, including basements
14. In addition to the required AC primary power source, required smoke detectors in occupancies in Use Groups R-2, R-3 and I-1 shall receive power from a battery when the AC primary power source is interrupted. (Interconnection is required)
14. A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type.

- 15. The Fire Alarm System shall be maintained to NFPA #72 Standard.
- 16. The Sprinkler System shall maintained to NFPA #13 Standard.
- 17. All exit signs, lights, and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023. & 1024. Of the City's building code. (The BOCA National Building Code/1996)
- *18. All construction and demolition debris must be disposed at the City's authorized reclamation site. The fee rate is attached. Proof of such disposal must be furnished to the office of Inspection Services before final Certificate of Occupancy is issued or demolition permit is granted.
- *19. Section 25-135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".
- 20. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification to the Division of Inspection Services.
- 21. This permit does not excuse the applicant from obtaining any license which may be needed from the City Clerk's office.
- 22. _____
- 23. _____
- 24. _____
- 25. _____



P. Samuel Hoffises, Chief of Code Enforcement

cc: Lt. McDougall, PFD

Inspection Services
P. Samuel Hoffses
Chief



Planning and Urban Development
Joseph E. Gray Jr.
Director

CITY OF PORTLAND

December 12, 1996

Mr. & Mrs. Gary Higginbottom
2 Bayview Terr.
Portland, Maine 04103

RE: 34 Eastfield Rd. (#8)

Dear Higginbottom's

Your application to construct a single family dwelling with attached garage been reviewed and a permit is herewith issued subject to the following requirements. This permit does not excuse the applicant from meeting applicable State and Federal laws.

NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED UNTIL ALL REQUIREMENTS OF THIS LETTER ARE MET.

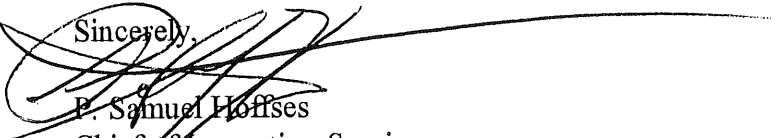
Site Plan Review Requirements

Building Inspection : Separate permits shall be required for any future decks. M. Schmuckal
Development Review Coordinator : Approved with conditions . (see attached) J. Wendel

Building and Fire Code Requirements

1. Please read and implement items 1,2,4,5,9,13, 18,19 of the attached Building Permit Report.

Sincerely,


P. Samuel Hoffses
Chief of Inspection Services

cc: M. Schmuckal , J. Wendel

CITY OF PORTLAND, MAINE
 SITE PLAN REVIEW (ADDENDUM)
 CONDITIONS OF APPROVAL

APPLICANT: GARY & CLARA HIGGINBOTTOM
 ADDRESS: 2 BAYVIEW TERR, RFD, ME 04103
 SITE ADDRESS/LOCATION: 34 EASTFIELD RD (LOT 8)
 DATE: 12/4/96

Review by the Development Review Coordinator is for General Conformance with ordinances and standards only and does not relieve the applicant, his contractors or agents from the responsibility to provide a completely finished site, including but not limited to: increasing or concentrating of all surface runoff onto adjacent or downstream properties, issues regarding vehicle sight distance, location of public utilities and foundation elevations.

CONDITIONS CHECKED OFF BELOW WILL BE ENFORCED FOR YOUR SITE PLAN

1. All damage to sidewalk, curb, street, or public utilities shall be repaired to City of Portland Standards prior to issuance of a Certificate of Occupancy.
2. ~~ONE~~ Two (2) City of Portland approved species and size trees must be planted on your street frontage prior to issuance of a Certificate of Occupancy. ~~IF EXIST. SCOTCH PINE~~ ~~IN PLACE~~ ~~LEFT~~
3. Your new street address is now 34 EASTFIELD RD., the number must be displayed on the street frontage of your house prior to issuance of Certificate of Occupancy.
4. The Development Review Coordinator (874-8300 ext. 8722) must be notified five (5) working days prior to date required for final site inspection. Please make allowances for completion of site plan requirements determined to be incomplete or defective during the inspection. This is essential as all site plan requirements must be completed and approved by the Development Review Coordinator prior to issuance of a Certificate of Occupancy. Please schedule any property closing with these requirements in mind.
5. Show all utility connections: water, sanitary sewer, storm drain, electric, telephone, cable.
6. A sewer permit is required for your project. Please contact Carol Merritt at 874-8300, ext. 8828. The Wastewater and Drainage section of Public Works must be notified five (5) working days prior to sewer connection to schedule an inspector for your site.
7. A street opening permit(s) is required for your site. Please contact Carol Merritt at 874-8300, ext. 8828. (Only excavators licensed by the City of Portland are eligible.)

8. As-built record information for sewer and stormwater service connections must be submitted to Parks and Public Works Engineering Section (55 Portland Street) and approved prior to issuance of a Certificate of Occupancy. BUILDER SHALL SUBMIT COPY OF SEWER PERMIT TO DRC.
9. The building contractor shall check the subdivision recording plat for pre-determined first floor elevation and establish the first floor elevation (FFE) and sill elevation (SE) to be set above the finish street/curb elevation to allow for positive drainage away from entire footprint of building.
10. The site contractor shall establish finish grades at the building foundation, bulkhead and basement windows to be in conformance with the first floor elevation (FFE) and sill elevation (SE) set by the building contractor to provide for positive drainage away from entire footprint of building.
11. A drainage plan shall be submitted to and approved by Development Review Coordinator showing first floor elevation (FEE), sill elevation (SE), finish street/curb elevation, lot grading, existing and proposed contours, drainage patterns and paths, drainage swales, grades at or near abutting property lines, erosion control devices and locations and outlets for the drainage from the property.
12. The Development Review Coordinator reserves the right to require additional lot grading or other drainage improvements as necessary due to field conditions.
13. MINIMUM CULVERT FOR THE DRIVE IS
12". ALL DRAINAGE SHALL DRAIN AWAY
FROM THE HOUSE AND THE GARAGE. MAINTAIN
DRIVEWAY 2' ABOVE LOW POINT AT CULVERT
MIN.

cc: Katherine Staples, P.E., City Engineer

14. CONSTRUCT A HEAVILY MULCHED
DIVERSION DITCH ON THE NORTH SIDE
OF THE HOUSE TO BEYOND THE DISTURBED
AREA PRIOR TO FOUNDATION INSTALLATION.
NO ERODED SOIL IS PERMITTED IN THE
CONSERVATION BUFFER ZONE. EASTFIELD RD.
SHALL BE KEPT CLEAN OF TRACKED
SOIL FROM VEHICLES.

NADEAU & LODGE

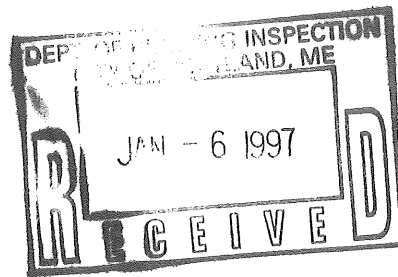
Professional Land Surveyors

844 Stevens Avenue
Portland, Maine 04103
Phone (207) 878-7870
Fax (207) 878-7871



RFD 2, Box 219A
Alfred, ME 04002
Phone (207) 499-2358

January 6, 1997



Amy Powers
Building Inspections
389 Congress Street
Portland, ME 04101-3503

RE: Higginbottom Property Eastfield Road, Portland, ME

Dear Amy,

Per your request, we have inspected the above new construction to verify compliance with minimum setback requirements. The poured foundation walls are in compliance to minimum setback requirements.

Sincerely,

James D. Nadeau
James D. Nadeau, P.L.S.
President, Nadeau & Lodge, Inc.

MEMORANDUM

TO: Code Enforcement

FROM: Jim Wendel, Development Review Coordinator

DATE: March 18, 1997

RE: Request for Certificate of Occupancy
34 Eastfield Road (lot 8)

On March 18, 1997 I reviewed the site for compliance with the conditions of approval dated 12/4/96; my comments are:

1. As of the date of the site visit no final grading of the site had begun. Consequently a second visit to the site will be required to review the adequacy of the grading and completion of the landscape work. The final site work must be completed by May 30, 1997.
2. The number for the street address must be placed on the street frontage of the house.
3. One City of Portland approved tree must be planted. It must be planted no later than May 30, 1997.
4. The disturbed area around the house appears to have not been stabilized as required by the Erosion Control Best Management Practice Handbook; only silt fence has been installed on the southeasterly side of the house. The slope is steep on that side of the house.

It is my opinion that no type of certificate of occupancy should be issued until all the disturbed area around the house noted in item 4 has received a heavy application of hay mulch or other appropriate erosion control netting to stabilize those areas and to protect the conservation area abutting this lot and assuming that Code Enforcement has no outstanding issues.

James T. Wendel, P.E.

c: Kandi Talbot, Planning Department
Katherine Staples, P.E. City Engineer

JN1350.1034eastfd

rec'd 3/19/97
AP

PLUMBING APPLICATION

2/10/97

PROPERTY ADDRESS

Town Or Plantation: PORTLAND
~~PORTLAND~~
 Street Subdivision Lot #: 34 EASTFIELD RD
EASTLOW RD

PROPERTY OWNERS NAME

Owner: Higgenbottom
 Last: Higgenbottom First: GARY
 Applicant Name: [Signature]

Mailing Address of Owner/Applicant (If Different): 341 GOOSE ROCK RD

PORTLAND Date Permit Issued: 02, 10, 97 PERMIT # 6003 STATE COPY \$ 56.00 FEE If Double Fee Charged

L.P.I. # 0124

Local Plumbing Inspector Signature

Owner/Applicant Statement

I certify that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Local Plumbing Inspector to deny a Permit.

[Signature]
Signature of Owner/Applicant Date: 2/10/97

Caution: Inspection Required

I have inspected the installation authorized above and found it to be in compliance with the Maine Plumbing Rules.

Local Plumbing Inspector Signature

Date Approved

PERMIT INFORMATION

This Application is for

- 1. NEW PLUMBING
- 2. RELOCATED PLUMBING

Type Of Structure To Be Served:

- 1. SINGLE FAMILY DWELLING
- 2. MODULAR OR MOBILE HOME
- 3. MULTIPLE FAMILY DWELLING
- 4. OTHER — SPECIFY _____

Plumbing To Be Installed By:

- 1. MASTER PLUMBER
- 2. OIL BURNERMAN
- 3. MFG'D. HOUSING DEALER / MECHANIC
- 4. PUBLIC UTILITY EMPLOYEE
- 5. PROPERTY OWNER

LICENSE # 070117

Hook-Up & Piping Relocation Maximum of 1 Hook-Up	Column 2 Number Type of Fixture	Column 1 Number Type of Fixture
<input type="checkbox"/> HOOK-UP: to public sewer in those cases where the connection is not regulated and inspected by the local Sanitary District. OR <input type="checkbox"/> HOOK-UP: to an existing subsurface wastewater disposal system.	2 Hosebibb / Sillcock <i>fixture</i>	1 Bathtub (and Shower)
	1 Floor Drain	2 Shower (Separate)
<input type="checkbox"/> PIPING RELOCATION: of sanitary lines, drains, and piping without new fixtures.	1 Urinal	1 Sink
	3 Drinking Fountain	3 Wash Basin
<input type="checkbox"/> TRANSFER FEE [\$6.00]	3 Indirect Waste	3 Water Closet (Toilet)
	1 Water Treatment Softener, Filter, etc.	1 Clothes Washer
OR	1 Grease / Oil Separator	1 Dish Washer
	1 Dental Cuspidor	1 Garbage Disposal
<input type="checkbox"/>	1 Bidet	1 Laundry Tub
	1 Other: _____	1 Water Heater
	Fixtures (Subtotal) Column 2	12 Fixtures (Subtotal) Column 1
	12	12 Fixtures (Subtotal) Column 2
		14 Total Fixtures
		\$ Fixture Fee
		\$ Transfer Fee
		\$ Hook-Up & Relocation Fee
		\$56.00 Permit Fee (Total)

SEE PERMIT FEE SCHEDULE FOR CALCULATING FEE

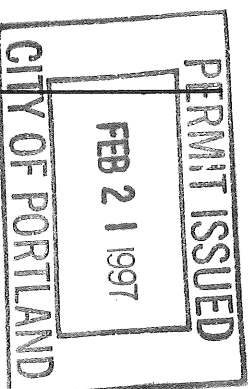
970136

FILL IN AND SIGN WITH INK



APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine,



To the INSPECTOR OF BUILDINGS, PORTLAND, ME. 21 February 1997

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location 34 Eastfield Rd Lot #8 Use of Building 1-Fam No. Stories

Name and address of owner of appliance Higginbottom New Building Existing " "

Installer's name and address Maurice Poirier Telephone 284-4789
29 Meetinghouse Rd Biddeford, ME 04005

General Description of Work

To install Oil fired forced hot water heating system

IF HEATER, OR POWER BOILER

Location of appliance basement Any burnable material in floor surface or beneath? no

If so, how protected? Kind of fuel? #2 Oil 18"

Minimum distance to burnable material, from top of appliance or casing top of furnace 18"

From top of smoke pipe 18" From front of appliance 10'+ From sides or back of appliance 10' 2'

Size of chimney flue 6" Other connections to same flue none

If gas fired, how vented? 3 Rated maximum demand per hour 100,000

Will sufficient fresh air be supplied to the appliance to insure proper and safe combustion? Yes

IF OIL BURNER

Name and type of burner Carlin Labelled by underwriters' laboratories? yes

Will operator be always in attendance? no Does oil supply line feed from top or bottom of tank? bottom

Type of floor beneath burner concrete Size of vent pipe 1 1/4"

Location of oil storage basement Number and capacity of tanks 1-275

Low water shut off Yes Make safeguard No. 130 (?)

Will all tanks be more than five feet from any flame? yes How many tanks enclosed? none

Total capacity of any existing storage tanks for furnace burners 1-275

IF COOKING APPLIANCE

Location of appliance Any burnable material in floor surface or beneath?

If so, how protected? Height of Legs, if any

Skirting at bottom of appliance? Distance to combustible material from top of appliance?

From front of appliance From sides and back From top of smokepipe

Size of chimney flue Other connections to same flue From top of smokepipe

Is hood to be provided? If so, how vented? Forced or gravity?

If gas fired, how vented? Rated maximum demand per hour

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

Maurice L. Poirier Master Oil Burner #909

Cost of Work: 5,000.00 Permit Fee: 45.00

Amount of fee enclosed?

APPROVED:

PERMIT ISSUED WITH REQUIREMENTS

Will there be in charge of the above work a person competent to see that the State and City requirements for installation of the equipment are observed? *Yes*

1. 1 1/2" MIN. PIPE

2. 1 1/4" VENT PIPE

3. Burner & Label

4. Name & Label

5. Remote control

6. High limit control

7. Main cutoff & protection

8. Low water cutoff

9. High limit support & protection

10. Piping in supply line

11. Valves in supply line

12. Capacity of tanks

13. Tank rigidity & support

14. Tank rigidity & support

15. Oil gauge

16. Instruction card

17. Adequate ventilation

18. Permissible temperature

19. Smoke type

20. Thermal cutoff

CS 30C

INSPECTION FILE APPLICANT'S ASSESSOR'S COPY

Signature of Installer *Maurice Poirier*

BUILDING PERMIT REPORT

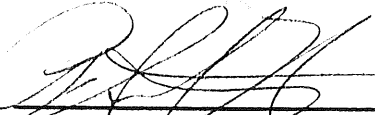
DATE: 21 / Feb / 197 ADDRESS: 34 Eastfield Rd. Lot #8
REASON FOR PERMIT: OIL Fired Forced hot water heating SYS.
BUILDING OWNER: Higginbottom
CONTRACTOR: Maurice Poirier
PERMIT APPLICANT: ↑ APPROVAL: * / * G

CONDITION OF APPROVAL

1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
 2. Before concrete for foundation is placed, approvals from the Development Review coordinator and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection)
 3. Precaution must be taken to protect concrete from freezing.
 4. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained.
 5. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of ½ inch gypsum board or the equivalent applied to the garage means of ½ inch gypsum board or the equivalent applied to the garage side. (Chapter 4 Section 407.0 of the BOCA/1996)
 6. All chimneys and vents shall be installed and maintained as per Chapter 12 of the City's Mechanical Code. (The BOCA National Mechanical Code/1993) UL 103.
 7. Guardrail & Handrails A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42" , except Use Group R which is 36". In occupancies in Use Group A, B, H-4, I-1, I-2 M and R and public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect.
 8. Headroom in habitable space is a minimum of 7'6".
 9. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 3/4" maximum rise. All other Use group minimum 11" tread. 7" maximum rise.
 10. The minimum headroom in all parts of a stairway shall not be less than 80 inches.
 11. Every sleeping room below the fourth story in buildings of use Groups R and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue they shall have a sill height not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension shall be 20 inches (508mm), and a minimum net clear opening of 5.7 sq. ft.
 12. Each apartment shall have access to two (20 separate, remote and approved means of egress. A single exit is acceptable when it exits directly from the apartment to the building exterior with no communications to other apartment units.
 13. All vertical openings shall be enclosed with construction having a fire rating of at least one (1)hour, including fire doors with self closer's.
 14. The boiler shall be protected by enclosing with (1) hour fire-rated construction including fire doors and ceiling, or by providing automatic extinguishment.
 15. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's building code Chapter 9, Section 19, 920.3.2 (BOCA National Building Code/1996), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):
 - In the immediate vicinity of bedrooms
 - In all bedrooms
 - In each story within a dwelling unit, including basements
- In addition to the required AC primary power source, required smoke detectors in occupancies in Use Groups R-2, R-3 and

I-1 shall receive power from a battery when the AC primary power source is interrupted. (Interconnection is required)

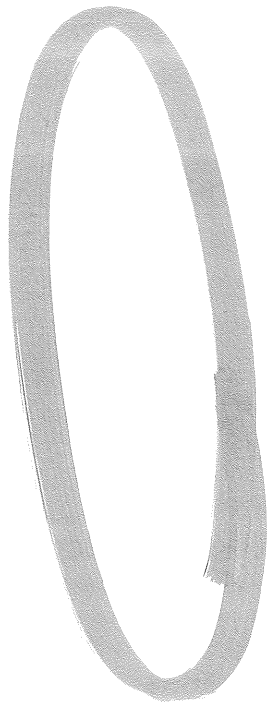
- 16. A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type.
- 17. The Fire Alarm System shall be maintained to NFPA #72 Standard.
- 18. The Sprinkler System shall maintained to NFPA #13 Standard.
- 19. All exit signs, lights, and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023. & 1024. Of the City's building code. (The BOCA National Building Code/1996)
- 20. All construction and demolition debris must be disposed at the City's authorized reclamation site. The fee rate is attached. Proof of such disposal must be furnished to the office of Inspection Services before final Certificate of Occupancy is issued or demolition permit is granted.
- 21. Section 25-135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".
- 22. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification to the Division of Inspection Services.
- 23. This permit does not excuse the applicant from obtaining any license which may be needed from the City Clerk's office.
- 24. Ventilation shall meet the requirements of Chapter 12 Sections 1210. of the City's Building Code.
- 25. _____
- 26. _____
- 27. _____

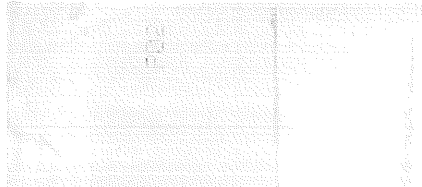


P. Samuel Hoffses, Chief of Code Enforcement

cc: Lt. McDougall, PFD
Marge Schmuckal

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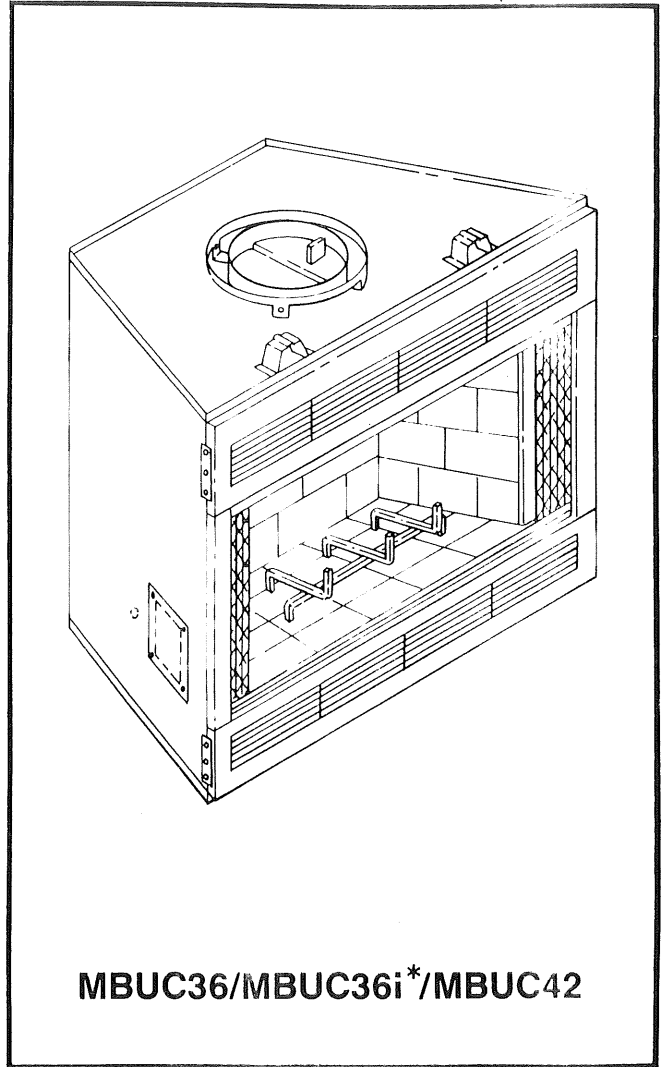
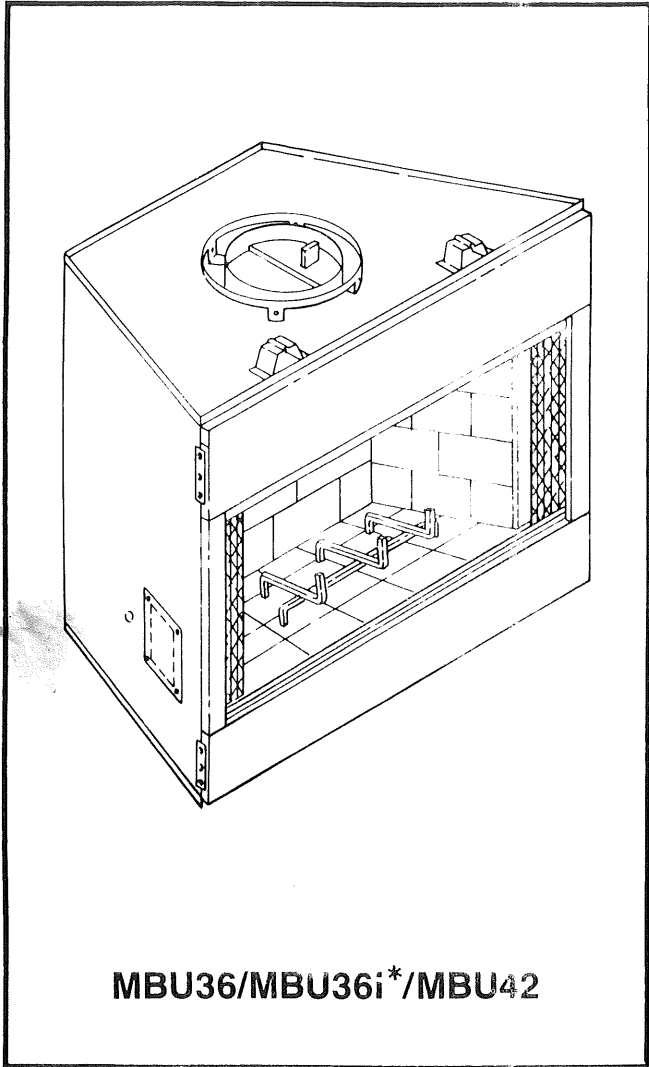
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INSTALLATION MANUAL

Higgins bottoms

for the MAJESTIC[®]

MBU36, MBU36i,* MBU42, MBUC36, MBUC36i,* MBUC42
Factory Built Fireplace



IMPORTANT: Read all instructions carefully before starting installation. Failure to follow these installation instructions may result in a possible fire hazard and will void the MAJESTIC warranty

*These models are insulated and recommended for colder climates.

Save this manual for future reference.

MAJESTIC[®]

INSTALLATION PRECAUTIONS

This MAJESTIC Fireplace and its components have been tested and will operate safely when installed in accordance with this Installation Manual. Read all instructions **before** starting installation, then follow these instructions carefully **during** installation to maximize fireplace benefit and safety.

Report to your dealer any parts damaged in shipment. Specifically, check for loose insulation in the fireplace and damper operation.

Since this fireplace and chimney assembly is a highly engineered system, **unless** you use Majestic or Equus Building Products components which have been designed for the system, you may create a possible fire hazard.

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

- Installation of any damaged fireplace or chimney component;
- Modification of the fireplace, chimney assembly or any of the component parts thereof; (except for chase flashings as detailed in EQUUS Chimney Top installation instructions.)
- Installation other than as instructed by MAJESTIC; or
- Installation and/or use of any component part or accessory not manufactured or approved by MAJESTIC in combination or assembly with a MAJESTIC fireplace system, notwithstanding any independent testing laboratory or other third party approval of such component part or accessory.

Any such action may create a possible fire hazard.

Consult your local building codes.

This fireplace and chimney system must be vented out-of-doors.

Do not obstruct or modify air inlets in any manner

Do not install combustible materials onto the black fireplace surround.

Burn solid wood fuel only.

Do not install a fireplace insert or other products not specified for use with this fireplace.

The MBUC36/MBUC36 and MBUC42/MBUC42 units are not approved for installation in mobile homes.

The MBUC36-MH Fireplace is approved for installation in mobile homes.

Prior to first firing, read Owner's Manual for operating instructions.

INSTALLATION INSTRUCTIONS

A. Installing the Fireplace

A-1. CHECK HOW ACCESSORIES ARE INSTALLED.

Determine where selected accessories fit into this fireplace installation procedure by checking the installation instructions provided with each accessory. See *Accessory Parts*, page 16.

NOTE: The outside air system and electrical junction box (MBUC36 and MBUC42) for the fireplace cannot be installed after the fireplace is completely installed.

A-2. DETERMINE FIREPLACE LOCATION.

The fireplace can be mounted on any of the following surfaces:

- 1) A flat, hard combustible surface.
- 2) A raised wooden platform.
- 3) On four (4) corners of the fireplace so contact is made on all four (4) dimples and perimeter edges on the

bottom of the unit

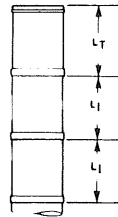
(Example: Four (4) concrete masonry blocks)

The fireplace **must** maintain a $\frac{3}{4}$ inch air space at back and $\frac{7}{16}$ inch air space at sides to combustible materials and insulation. Nearby combustible floors and walls must be protected as detailed in Section G.

Refer to *Air Space Data and Dimensions* on pages 13, 14 and 15 to be sure that the location which you have selected for your fireplace provides for clearance and framing restrictions.

At this point you should have decided what components to include in your installation, where the fireplace is to be located, and how the chimney will be routed to the roof (straight-up, offset, or chase*). If this has not been done, stop and consult your Majestic Dealer for assistance with this planning.

*A chase is a vertical box-like structure which encloses the fireplace and/or its chimney, typically built on the outside of the house with the fireplace opening cut in the outer wall of the home.



MODEL SK 2 WALL CHIMNEY		DIMENSIONS IN INCHES	
MODEL NO.	TOTAL LENGTH (L _T)	INSTALLED LENGTH (L _I)	
SK81	11½	10½	
SK818	17½	16½	
SK83	35½	34½	
SK84	47½	46½	

Fig. 2. Installed lengths of chimney sections.

Note that the installed length of any chimney section is less than its total length (except for the last section installed), because of its overlap at joints. (See Fig. 2.)

A-3. INSTALL METAL SAFETY STRIPS UNDER FIREPLACE.

See Step F, *Insulating Fireplace Enclosure for Cold Climates*, before completing Step A-3.

Thoroughly clean intended fireplace location area. Move fireplace to the location where it is going to be installed. Lift fireplace front slightly to slide metal safety strip(s) under front bottom edge about 1½ inches, allowing the remainder to extend out in front of the fireplace. Overlap the strips at least ½ inch to provide a positive joint. (See Fig. 3.) (Flat safety strips are packed with fireplace.)

In the event the fireplace is elevated above the floor, a "Z" shaped metal safety strip should be fabricated and used to protect combustible surfaces in front of the fireplace. This "Z" shaped safety strip is not provided, but must be fabricated of metal with each horizontal leg at least 1½" wide — equal in length to the metal strips provided with each fireplace.

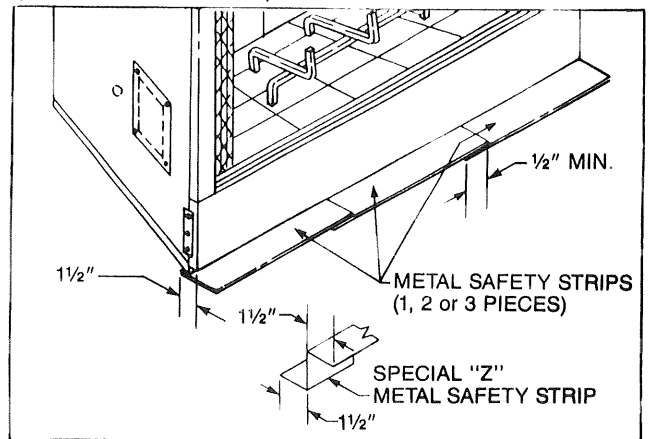


Fig. 3. Install metal strip(s) under front of fireplace.

When positioning the fireplace on all mounting surfaces (see Step A-2), the metal safety strips must be installed as described above to provide protection to combustibles (burnable) surfaces in front of the fireplace.

NOTE: Safety strip is not required over non-combustible floors where all supports at the base of the fireplace are non-combustible.

A-4. ANCHOR FIREPLACE IN POSITION.

To prevent shifting of the fireplace and to maintain sealing (described later), anchor the fireplace. Two methods are possible on the MBU Series. One method is to use the side fastening tabs provided on the fireplace. (See Fig. 4.) The fireplace can then be secured to the vertical framing members. Refer to Framing and Finishing Section G. The second method uses the standoff at the front of the fireplace. A nail may be installed through the standoff and into the header to stabilize the top of the fireplace. (Refer to Fig. 4.)

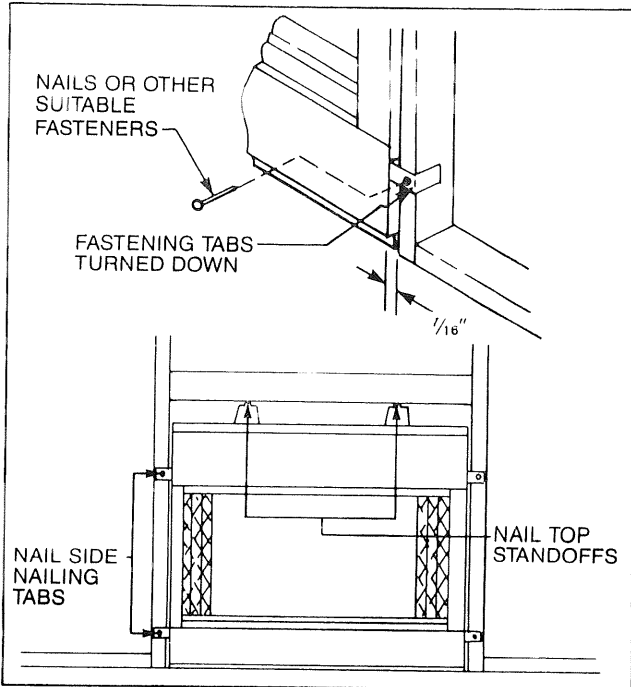


Fig. 4. Fasten fireplace in position using the fastening tabs or top standoff.

B. Installing the Chimney

CAUTION:
REPORT TO YOUR DEALER ANY PARTS DAMAGED IN SHIPMENT, SPECIFICALLY, CHECK THE END CONNECTIONS OF CHIMNEY SECTIONS AND ELBOWS.

NOTE: The MBU Series fireplaces must use EQUUS Model SK, 2 wall chimney components. The installation procedure described in Section B (Installing the Chimney), applies to this system. For clarification, refer to the Accessory Section of this manual beginning on page 16.

B-1. LOCATE CENTERPOINT OF CHIMNEY — STRAIGHT UP INSTALLATION.

Position the fireplace out from the wall behind it, measure out 8 7/8 inches (MBU36 and MBUC36) or 10 5/8 inches (MBU42 and MBUC42) from that wall and make a mark on the ceiling above the fireplace. Draw a line through this mark parallel to the back wall, defining the centerline of the chimney. (See Fig. 5.) Then, using a plumb bob positioned directly over the centerpoint of the fireplace flue collar, mark the ceiling to establish the chimney centerpoint. (See Fig. 5.)

B-2. LOCATE CENTERPOINT OF CHIMNEY — OFFSET INSTALLATION.

In order to clear an obstruction, it may be necessary to offset the chimney from the vertical plane. This is done by using EQUUS Chimney Elbows: Model SK830 (30°). Each offset requires a pair of elbows. Use Table 1 and Fig. 6 to determine the offset that may be obtained using the various elbows.

Table 1. Offset dimensions

	DIMENSIONS	
	T	S
	SK830	SK830
No Intermediate Section	0'3"	0'11"
One 1' Section	0'8 1/4"	1'8"
One 1 1/2' Section	0'11 1/4"	2'1 1/4"
Two 1' Sections	1'1 1/2"	2'5 1/4"
One 1' and One 1 1/2' Section	1'4 1/2"	2'10 1/4"
One 3' Section	1'8 1/4"	3'4 3/4"
Two 1' and One 1 1/2' Sections	1'9 3/4"	3'7 1/2"
One 4' Section	2'2 1/4"	4'3 1/4"
One 3' and One 1 1/2' Section	2'4 1/2"	4'7 1/4"
One 1' and One 4' Section	2'7 1/2"	5'0 1/4"
One 1 1/2' and One 4' Section	2'10 1/2"	5'5 1/2"
Two 3' Sections	3'1 1/2"	5'10 3/4"

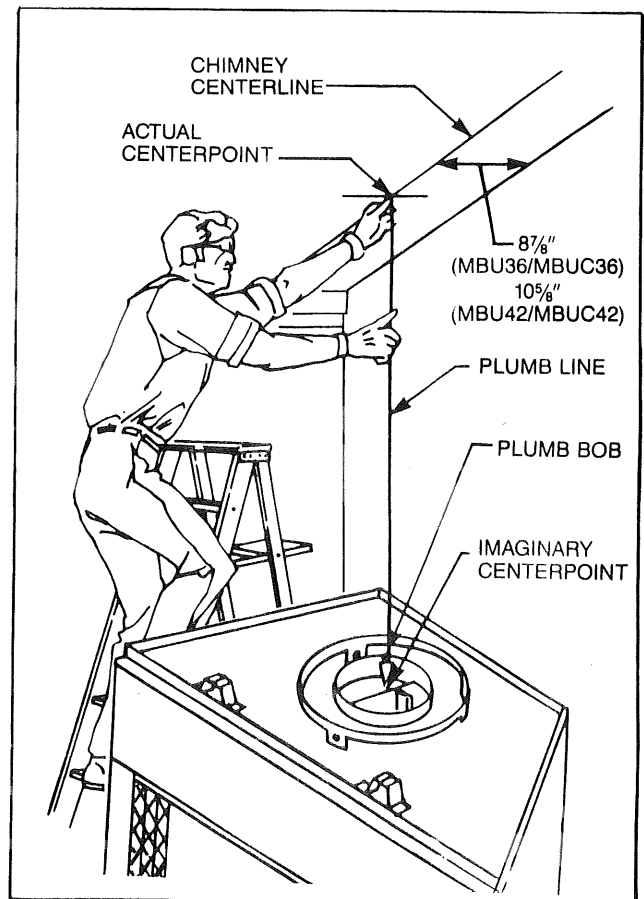


Fig. 5. Locate centerpoint of chimney with plumb line

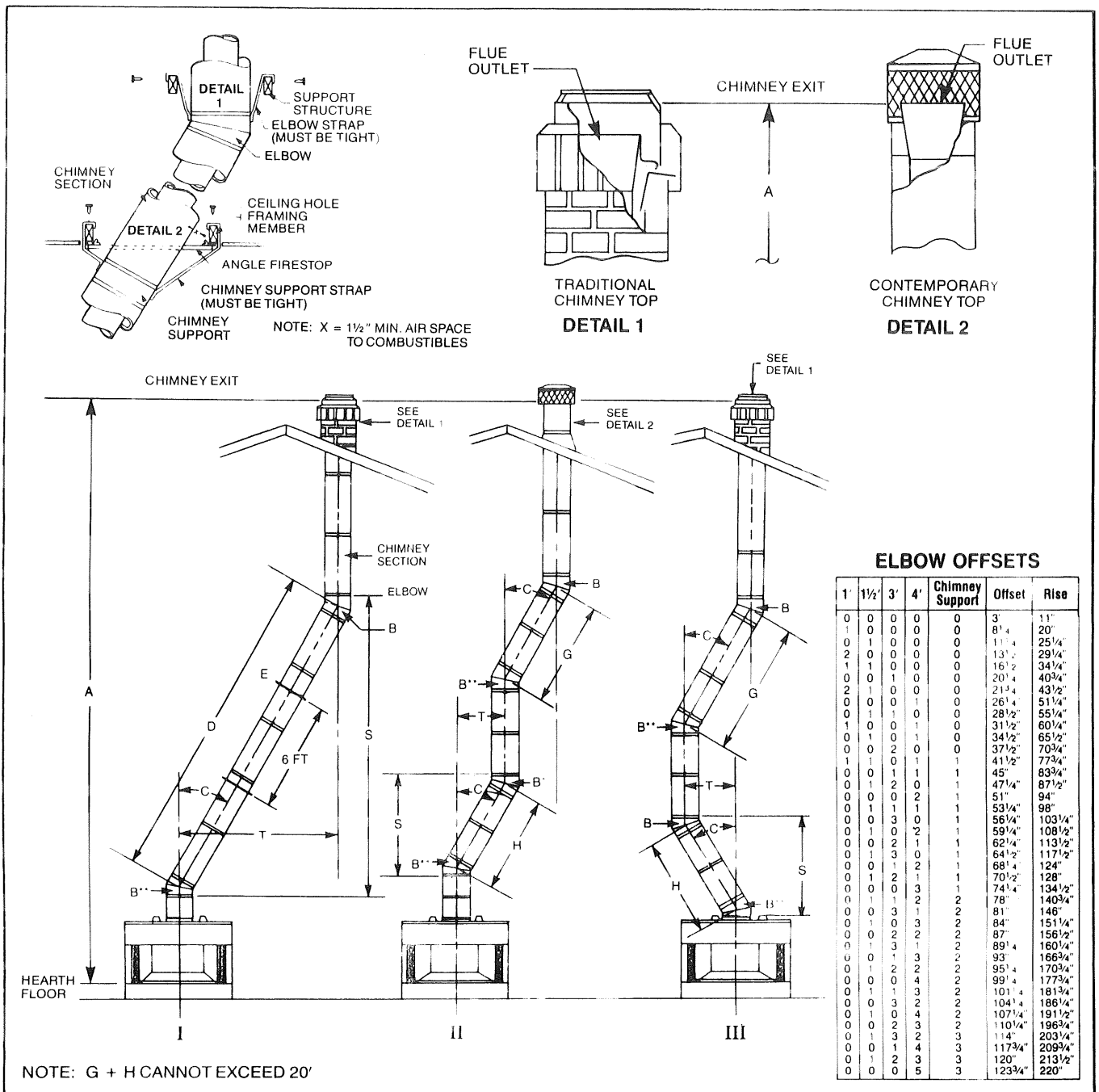


Fig. 6. Typical offset installations.

The following **safety rules** apply to offset installations. (The letters below match the letters in Fig. 6.)

A. Height of the chimney measured from the hearth to the chimney exit at top:

	MBU36/MBUC36 Series	MBU42/MBUC42 Series
Maximum:	90 Feet	90 Feet
Minimum:		
Without Elbows	12 Ft. 6 In.	14 Ft. 0 In.
With 2 Elbows	14 Ft. 6 In.	14 Ft. 0 In.
With 4 Elbows	21 Ft. 0 In.	21 Ft. 0 In.

B. Do not use more than four elbows per chimney. Attach the straps of the top elbows to a structural framing member. The first elbow of any pair does not have straps.

C. The chimney cannot be more than 30° from the vertical plane.

D. The maximum length of the angled run of the total chimney system is 20 feet. (G plus H cannot exceed 20 feet.)

E. A chimney support (Model SKCS8) is required every 6 feet of angled run of chimney. Chimney supports are required at 30 feet and 60 feet of chimney height above the hearth also.

Determine the offset distance of your chimney arrangement from the centerline of the fireplace to the centerline of the chimney where it is to pass through the first ceiling. NOTE: This offset distance may not be your full offset distance (T). (See above.)

Locate on the ceiling the centerpoint of the chimney, as though a straight up chimney arrangement is to be used, by following the procedure outlined in Step B-1. Then measure your offset dimension from the actual chimney centerpoint on the ceiling. (Fig. 7.)

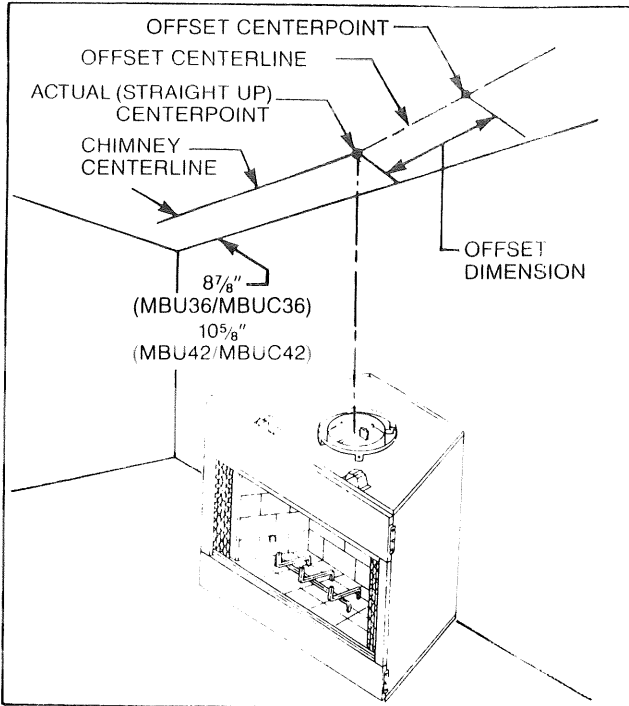


Fig. 7. Measure ceiling offset distance from actual straight up centerpoint.

B-3. MARK AREA OF CEILING CHIMNEY HOLE.

The size of the ceiling chimney hole will vary with the angle at which the chimney passes through the ceiling. Refer to Table 2.

Drive a nail up through the ceiling at the marked chimney centerpoint. Go to the floor above and check where the hole will be cut, relative to the ceiling joists and any obstructions such as wiring or plumbing runs. If necessary, re-position the chimney and/or the fireplace to better accommodate these joists and/or obstructions.

B-4. CUT CEILING CHIMNEY HOLE.

After covering the opening of the fireplace collar, cut the chimney hole through the ceiling. Recheck the hole to be sure that it measures the hole size selected from Table 2.

The "SK" chimney allows for framing the chimney hole in a typical 16" on center joist condition without cutting joists. (See Fig. 8.)

B-5. FRAME CEILING CHIMNEY HOLE.

Frame the ceiling chimney hole as shown in Fig. 8. It is good practice to use framing lumber that is the same size as the ceiling joists. (This is a requirement at the attic level.)

The **inside dimension** of the frame **must** be the same as the hole size selected from Table 2 in order to provide the required 1 1/2 inch air space between the outside diameter of the chimney and the edges of the framed ceiling hole.

Table 2. Sizes of ceiling chimney hole for installing firestop spacer.

Size of Chimney	Angle of chimney at ceiling	
	Vertical	30°
8" Flue	14 1/2 x 14 1/2	14 1/2 x 25 1/2

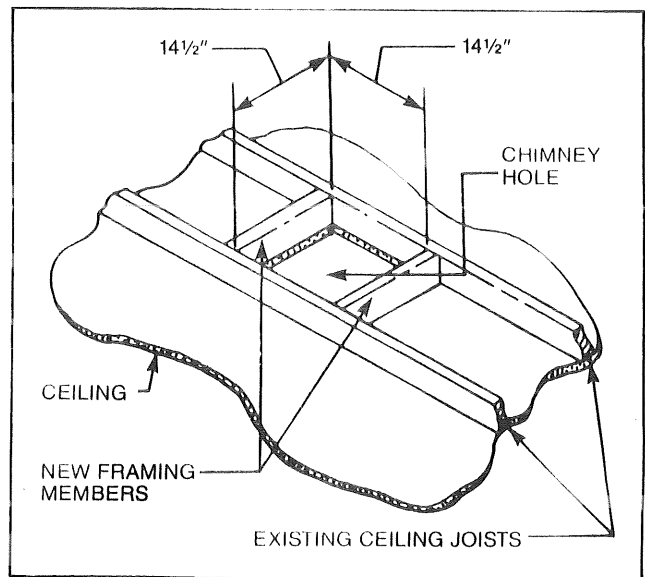


Fig. 8. Typical frame for ceiling chimney hole.

B-6. INSTALL FIRESTOP SPACER.

Firestop spacers are required for safety. The hole sizes listed in Table 2 for angled firestop spacers provide the minimum required air space to the chimney pipe for ceiling thicknesses up to 8 inches. When the combined thickness of the ceiling material, ceiling joists and flooring material exceeds 8 inches, adjustments must be made in the framing to assure that the minimum air spaces to the chimney are maintained.

If the area above the ceiling is **not** an attic, position the firestop spacer with the flange on the ceiling side and the angled portion extending up into the hole. If the area above the ceiling is an attic, position the firestop spacer with the flange on the top of the framed hole and the angled portion extending down into the hole. (See Figs. 9 & 10.)

Nail each corner of the firestop spacer to the framing members of the ceiling hole. NOTE: A firestop spacer is not required at the roof.

Table 3. Firestop model numbers.

TYPE FLUE	MODEL NO.
8" straight	SKFS2A
8" 30° inclined	SKFS6A

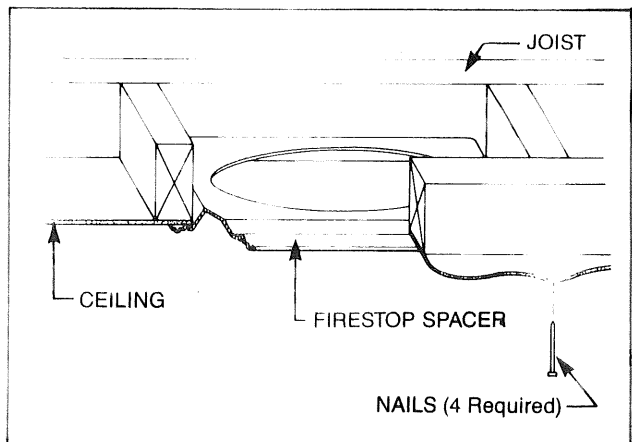


Fig. 9. Position of firestop when area above ceiling is not an attic.

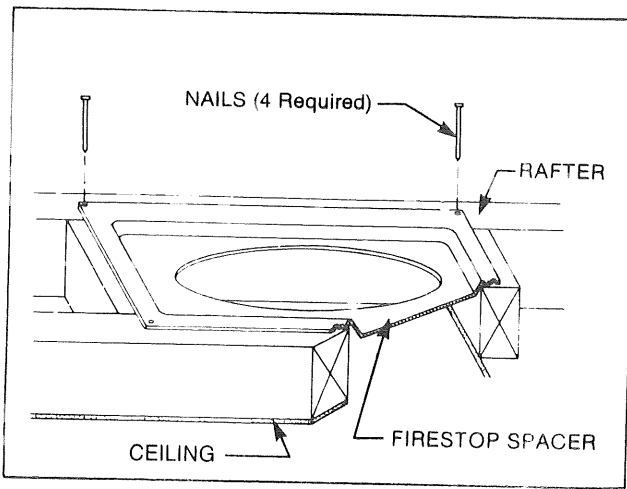


Fig. 10. Position of firestop when area above ceiling is an attic.

B-7. ATTACH CHIMNEY SECTIONS.

Attach the first straight chimney section to the fireplace collar, or if offset installation, attach elbow to the fireplace collar. (Refer to Step B-8.) Mount the flue pipe first, using the built-in snap-lock fasteners. (See Fig. 11.) Then mount the additional pipe. Position each pipe section so the direction arrow is pointing UP.

Make sure each pipe is firmly snapped and locked together as it is mounted.

Continue installing chimney sections until ONE SECTION (all pipes) extends up through the ceiling hole. To extend through the ceiling, it may be necessary to assemble all pipes, push them up through the ceiling hole and then slide them down one at a time to connect them.

B-8. ATTACH FIRST ELBOW — OFFSET INSTALLATION.

If the first elbow is not to be attached to the fireplace, install chimney sections as required.

Attach first elbow where required. Note that only the outer pipe snap-locks.

Attach the straps of all upper elbows to a structural framing member. (See Fig. 6.)

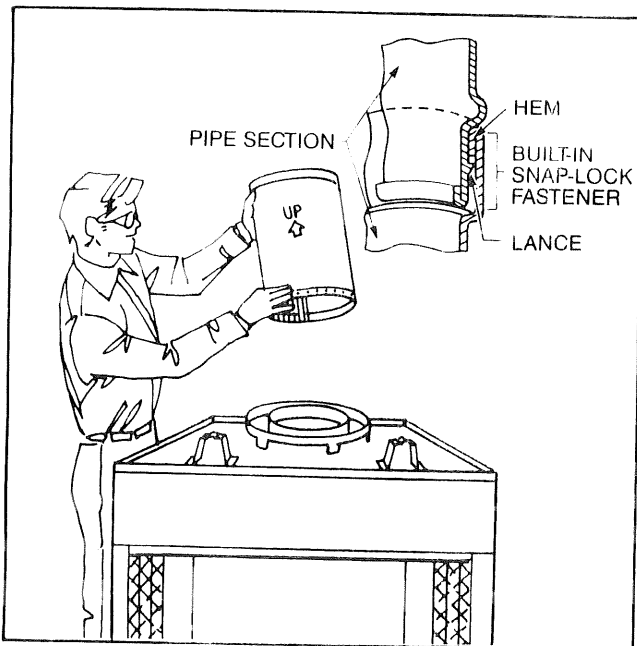


Fig. 11. Use built-in snap-lock fasteners to attach chimney pipe sections.

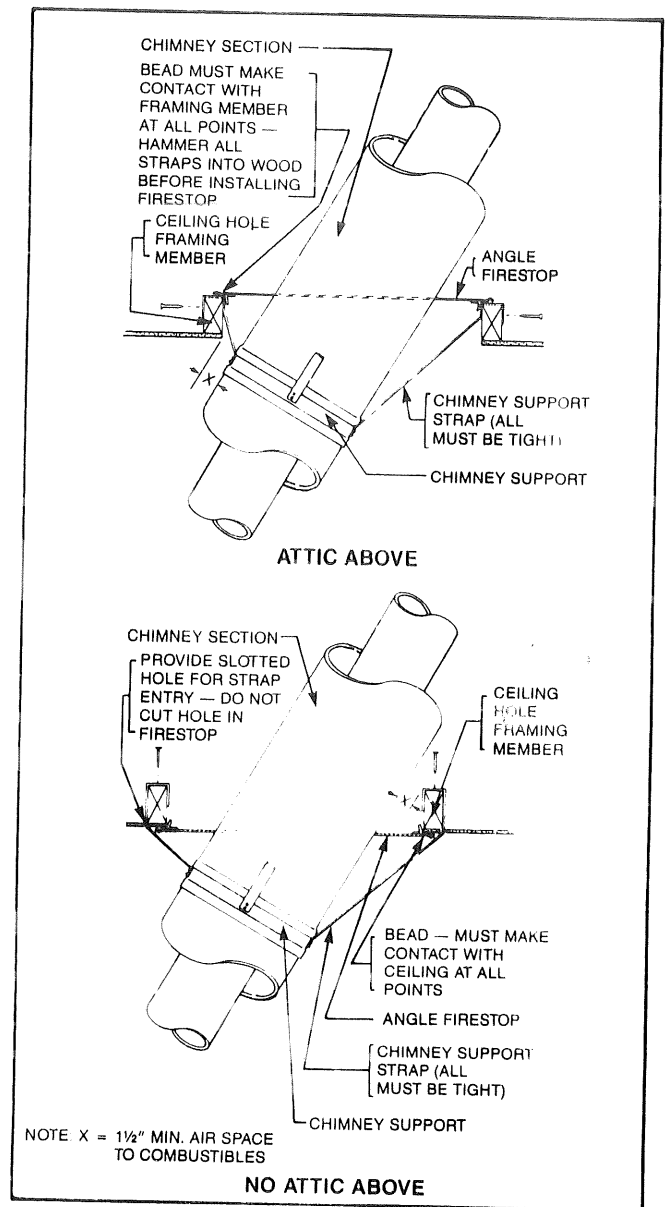


Fig. 12. Mount chimney supports at ceiling hole frames or other structural framing.

B-9. DETERMINE HOW MANY CHIMNEY SUPPORTS ARE NEEDED.

The chimney system is supported by the fireplace for chimney heights less than 30 feet of vertical height above the hearth. Chimney supports are required if the chimney height exceeds 30 feet. Locate chimney supports at ceiling holes or other structural framing at 30 foot heights. Spacing between chimney supports must not exceed 30 feet. Use EQUUS Chimney Support Model SKCS8. (NOTE: The SKCS8 can not be mounted directly to the fireplace.) Support provided by elbow straps fulfills the support requirement only if they are spaced as required above.

Angled chimney runs require support every 6 feet in addition to the elbow straps. EQUUS Chimney Supports are used for this function.

Refer to Step B-2 to determine how many chimney supports are needed and where they will be placed in the chimney run.

NOTE: A chimney support is 2½ inches long when installed. This dimension must be considered when determining how many straight chimney sections are needed to provide the desired offset.

B-10. INSTALL CHIMNEY SUPPORTS.

Chimney supports are attached to chimney sections the same way elbows are attached. Refer to Step B-8. Nail the chimney support straps to adjacent structural framing, as shown in Fig. 12. Bend the straps as necessary and make sure they are tight so they will be able to support the weight of the chimney.

B-11. LOCATE CENTERPOINT OF NEXT CEILING HOLE.

NOTE: If there is no other ceiling, you have completed Section B. Turn now to Section C, *Penetrating the Roof*.

In a manner similar to that used in Steps B-1 and B-2, mark the centerpoint of the next ceiling hole.

B-12. PREPARE SECOND CEILING HOLE.

Repeat Step B-3. Mark area of ceiling chimney hole; B-4, Cut ceiling chimney hole; B-5, Frame ceiling chimney hole; and B-6, Install firestop spacer.

B-13. CONTINUE INSTALLING CHIMNEY SECTIONS.

Continue installing chimney sections and chimney supports (as required), until the chimney passes through the second ceiling hole.

NOTE: Repeat Steps B-11 through B-13 as many times as necessary to pass through all the ceilings in the building and bring the chimney just short of the roof.

C. Penetrating the Roof

The chimney system must be vented out-of-doors and must be terminated in an approved EQUUS top termination.

NOTE: If you are using a chase, go to Section D.

C-1. LOCATE CHIMNEY CENTERPOINT AT ROOF.

Use the same procedure detailed in Steps B-1 and B-2.

Drive a nail up through the roof at the marked centerpoint. This will mark the centerpoint on the outside of the roof.

C-2. CUT AND FRAME ROOF HOLE.

The size of the roof hole varies with the type of chimney top that will be installed. Refer to the installation instructions provided with your EQUUS chimney top termination to find the correct size of roof hole for this installation. There must be at least 1½ inch air space between the outermost portion of the chimney sections and any adjacent combustible (burnable) surfaces.

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

(Combustible surfaces include such things as ceiling members, joists, flooring, combustible insulation and roof structures.)

Mark the outline of the roof hole around the centerpoint nail. **Note:** The hole dimensions given in the chimney top installation instructions are **horizontal** dimensions; therefore, the hole size must be marked on the roof accordingly.

Cover the opening of the installed chimney.

Cut and frame the hole. It is good practice to use framing lumber that is the same size as the rafters. **Install frame securely. Chimney top and flashing anchored to frame must withstand heavy winds.**

C-3. DETERMINE MINIMUM CHIMNEY HEIGHT ABOVE ROOF.

Major U.S. building codes specify minimum chimney height above the roof top. These specifications are summarized in the *Ten Foot Rule*. (See Fig. 13.) The key points of this rule are:

1. If the horizontal distance from the center 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 height above the highest point where it passes through the roof.
2. If a horizontal distance from the center of the chimney to the peak of the roof is more than 10 feet, a chimney height reference point is established that is on the surface of the roof a distance of 10 feet from the center of the chimney in a horizontal plane. (See Fig. 13.) 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 assure a smoke-free operation.

C-4. INSTALL REMAINDER OF CHIMNEY SECTIONS.

Continue installing chimney sections up through the roof hole. Check your chimney top installation instructions for data on how high above the top of roof the CHIMNEY SECTIONS (all pipes) should go.

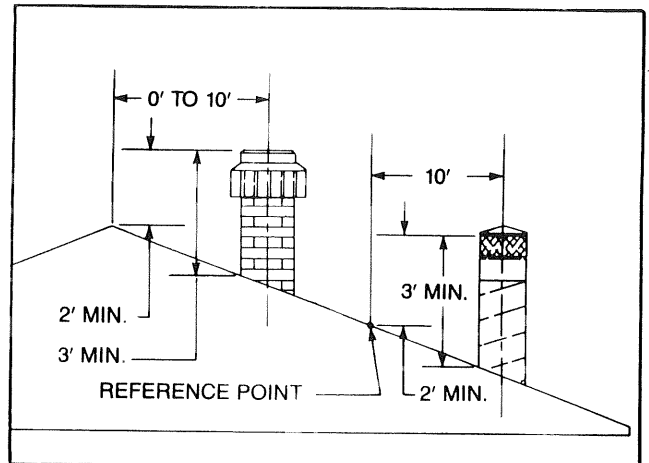


Fig. 13. Ten foot rule for chimney height.

C-5. INSTALL CHIMNEY TOP HOUSING OR TERMINATION.

Follow the installation instructions provided with the EQUUS chimney top you have selected.

D. Installing Chimney in a Chase

A chase is a vertical box-like structure built to enclose the fireplace and/or its chimney.

CAUTION: Treatment of firestop spacers and construction of the chase may vary with the type of building. These instructions are not substitutes for the requirements of local building codes. Therefore, your local building codes must be checked to determine the requirements for these steps.

NOTE: Other material may be required in addition to EQUUS Firestop Spacers.

When installing a MBU Series fireplace and chimney in a chase, it is always good building practice to **insulate the chimney chase as you would an outside wall of your home**. See Section F, which describes insulation methods.

Refer to *Framing and Finishing* on page 10. Upon completion of building your chase frame, install the chimney system. Follow the instructions for *Installing the Chimney* starting on page 4. Then proceed to Step D-1.

D-1. INSTALL FLASHING AND CHIMNEY TOP.

Follow the installation instructions provided with the EQUUS chimney top you have selected.

E-1. INSTALL OUTSIDE AIR KIT.

Install outside air kit if desired or required by local code. Refer to BUA-36 installation instructions supplied with the appropriate kit. This kit **MUST** be installed before the fireplace is enclosed.

E-2. INSTALL FAN KIT AND WIRING KIT. (MBUC36 AND MBUC42 SERIES ONLY).

Refer to the UFK Fan Kit and JB Wiring Kit instructions for field installation of fans. The JB Wiring Kit provides one junction box for single side wiring. This kit **MUST** be installed and field wired before the fireplace is enclosed.

F. Insulating Fireplace Enclosure For Cold Climates

When insulating the fireplace, it is always good building practice to insulate as you would an outside wall of your home.

In cold climates, insulation of the enclosure around the fireplace is critical to avoid future problems with cold air. The following steps are suggested to minimize potential cold air problems.

F-1. INSULATE BASE OF FIREPLACE.

Insulate the base of the fireplace with a non-combustible insulation rated for a minimum of 300°F. This step is particularly important for outside wall installations over concrete slab floor construction. If a platform is used to raise the fireplace, the insulation should be placed on top of the platform before the fireplace is set. (See Fig. 14.)

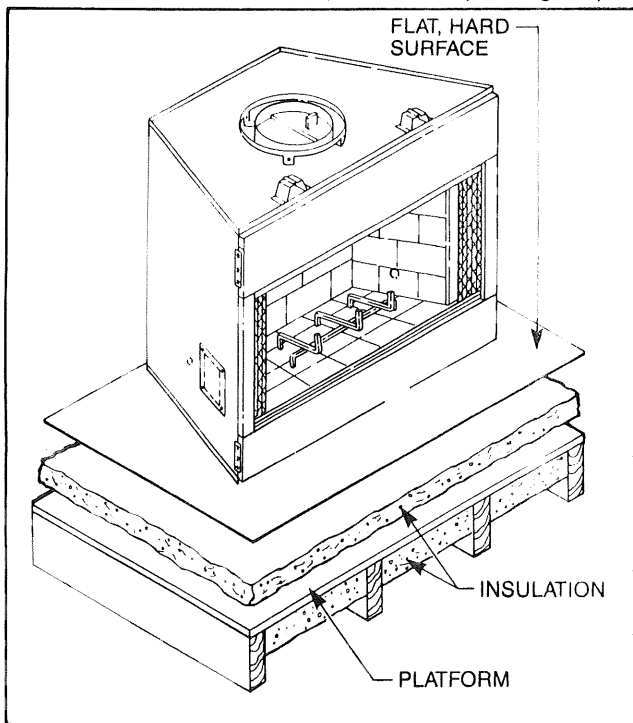


Fig. 14. Insulation between platform and fireplace.

F-2. INSPECT JOINTS.

Inspect joints of the fireplace as well as the points of sealing between the fireplace and the finishing materials. Any cracks should be sealed with non-combustible caulking or insulation. See Fig. 15 for details of sealing spaces between the fireplace and finishing materials.

F-3. INSULATION OF ENCLOSURE.

When a fireplace is installed in a chase or on an outside wall, the enclosure should be insulated like any other wall of the home. Insulation should be installed on the inside wall as well as the outside wall(s). In a chase, it is also a good idea to install a firestop at the first ceiling level above the fireplace and close the chase with sheeting material. Insulation may then be installed above the sheeting material to assure the space around the fireplace is totally protected. See Fig. 16 for additional details of suggested insulating methods.

CAUTION: WHILE INSTALLING A FIREPLACE IN AN INSULATED ENCLOSURE, BE SURE ALL MARKED AIR SPACES ARE MAINTAINED.

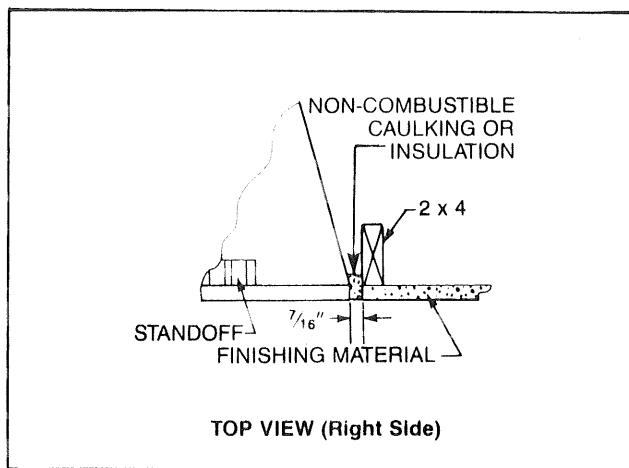


Fig. 15. Sealing spaces between fireplace and finishing materials.

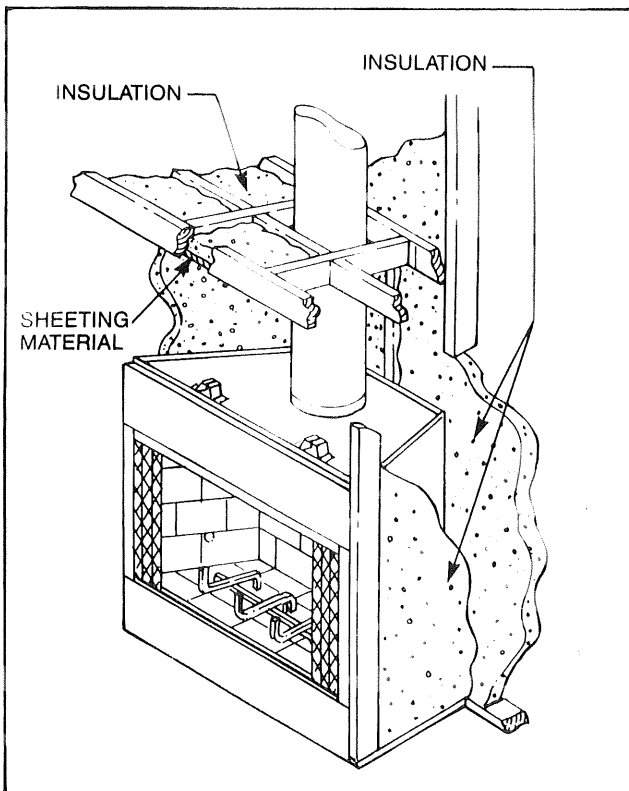


Fig. 16. Additional insulating methods.

G. Framing and Finishing

G-1. DETERMINE WHEN TO INSTALL FRAMING.

Fireplace framing can be built before or after the fireplace is set in place. Fig. 17 shows the minimum framing dimensions.

G-2. BUILD FRAMING.

The fireplace framing should be constructed of 2 x 4 lumber or heavier. Refer to *Dimensions* on pages 14 and 15 for basic fireplace dimension that will affect the framing dimensions.

The header may rest on the fireplace standoffs.

Framing should be positioned to accommodate wall covering and fireplace facing material. (See Figs. 18, 19 and 20 for typical arrangements.) Fastening tabs provided on the side of the fireplace can be used to tie the fireplace. Nail through the tabs into the vertical framing members. (See Fig. 4.)

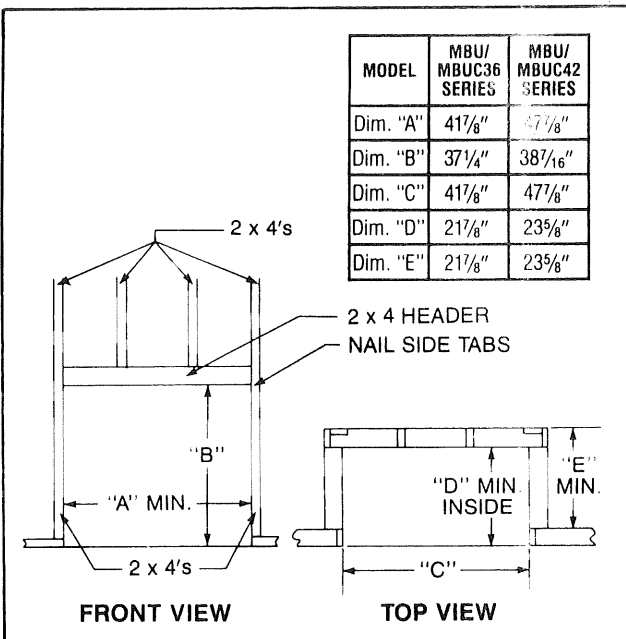


Fig. 17. Minimum fireplace enclosure dimensions.

CAUTION: All joints between the finished wall and the fireplace surround (top and sides) must be sealed with non-combustible material. Only non-combustible material may be applied as facing to the fireplace surround.

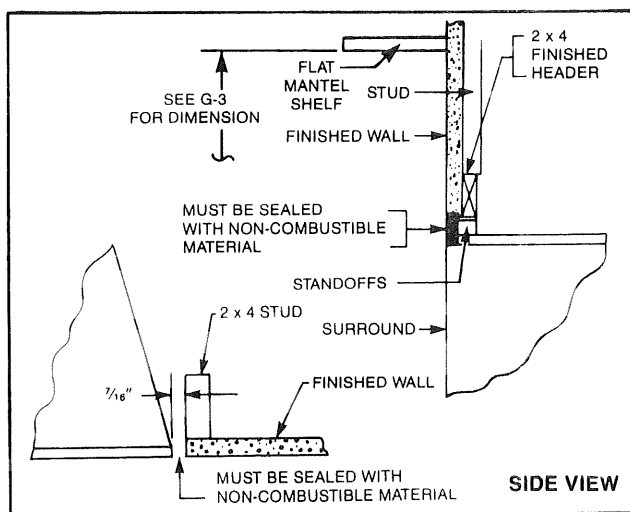


Fig. 18. Fireplace surround flush with finished wall.

G-3. FINISH WALL.

Finish the wall with material of your choice. **Do not install a combustible mantle closer than 12 inches above fireplace opening for MBU36/MBU42 or 12 inches above grille opening for MBUC36/MBUC42.** If a combustible material is used below a flat mantel shelf, consult your local building codes for the minimum clearance from the top of the fireplace opening to the bottom of the material.

All joints (top, bottom and sides), where the wall or decorative facing material meets the fireplace surround must be completely sealed with a non-combustible material. (See Figs. 18, 19 and 20.)

Only non-combustible material may be applied as facing to the black fireplace surround.

When finishing the fireplace, never obstruct or modify the air inlet/outlet grilles in any manner. (See Fig. 20A.)

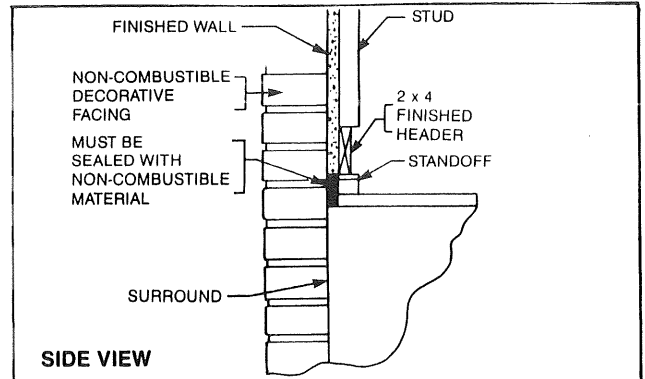


Fig. 19. Fireplace surround flush with finished wall.

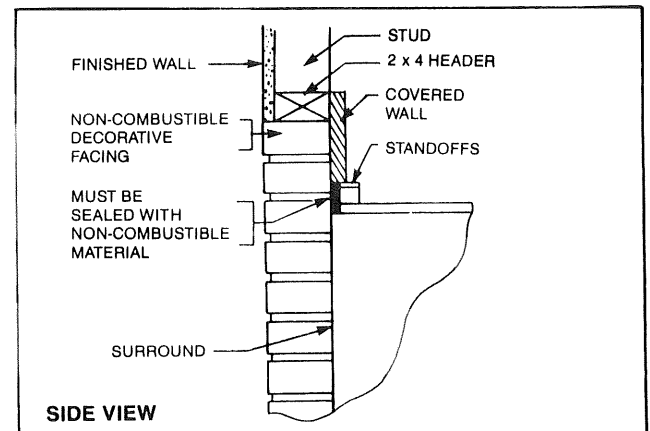


Fig. 20. Facing on fireplace surround flush with finished wall.

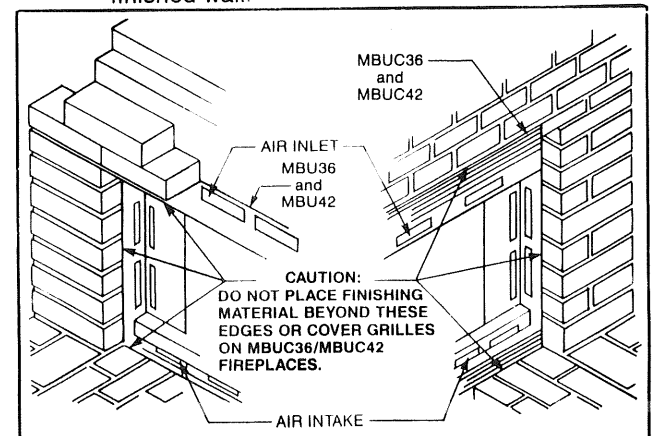


Fig. 20A. Finishing front of fireplace.

NOTE: For fireplaces installed at 45 degrees to two side walls (corner installation), no side wall protection is required.

G-4. ADD PROTECTION TO SIDE WALLS.

Adjacent combustible side walls that are within 16" (MBU/MBUC36 Series) or 20" (MBU/MBUC42 Series) of the fireplace openings must be protected with EQUUS Wall Shield Model SP40, or a built-up wall shield described in Fig. 21. (See Figs. 21 & 22.)

The built-up wall shield design described in Fig. 21 is an alternate method for adding protection to side walls and can be used in place of the SP40 with the same wall clearances specified for the SP40.

EXAMPLES OF INSULATION:

1. Manville — CERAFORM 126, K = .27, 1/2" thick required.
2. Equus Building Products — EH2416, K = .458, 1" thick required.

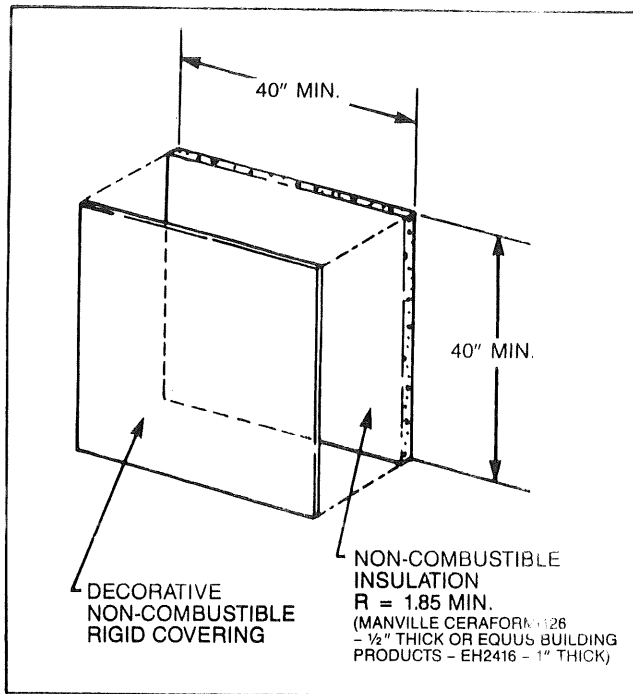


Fig. 21. Non-combustible wall shield dimensions.

G-5. INSTALL HEARTH EXTENSION.

A hearth extension is required to protect combustible floor construction in front of the fireplace. Use an Equus Hearth Extension Model EH36A MBU/MBUC36 Series or EH42A for MBU/MBUC42 Series, or a design built in accordance with Fig. 22. **(NOTE: Hearth Extension must not cover the grille opening of the MBUC.)**

The hearth extension described in Fig. 22 must be a durable non-combustible material with a minimum (total) R_T value of 1.09 (MBU36 Series) and 2.18 (MBU42 Series); see Table 4 for examples. The overall height (above combustible floor), depth and width must be as indicated, with it centered to the fireplace opening. (See Fig. 22.)

TABLE 4. Common materials and their factors.

MATERIAL	K*	R	MINIMUM THICKNESS	FIREPLACE MODEL SERIES
EQUUS Building Products EH2416	0.458	2.18	0.50 in.**	MBU36 Series
			1.00 in.**	MBU42 Series
Common Brick	5.0	0.20	5.46 in.	MBU36 Series
			10.92 in.	MBU42 Series

R value is for one (1) inch
 * Units of K = BTU/SQ FT/HR/°F/IN
 ** Thickness of Listed Material

The top of the insulation must be covered with a non-combustible decorative covering or a piece of .018" minimum sheet metal, to protect the hearth extension material. (See Fig. 22).

Secure the hearth extension to the floor to prevent shifting, using trim molding or other similar means at the three (3) outer edges. Seal the crack between the fireplace hearth and the hearth extension with a non-combustible material. (See Figs. 22, 23 and 24.)

WARNING:
HEARTH EXTENSION MUST BE INSTALLED IN ACCORDANCE WITH FIGS. 22, 23 OR 24 AND MUST NOT COVER THE GRILLE OPENING OF THE MBUC36 AND MBUC42 MODELS.

Alternate, non-combustible materials may be used providing the (total) thermal resistance (R_T value) of the alternate material employed is greater than or equal to an R = 1.09 (MBU36 Series) and R = 2.18 (MBU42 Series). The thermal resistance (R) or the thermal conductivity (K), may be obtained from the manufacturer of the material. The factors are related by the formula K = 1/R.

T = given thickness
 R = thermal resistance for a given thickness (T)
 K = thermal conductivity

Non-combustible material with a lower R value may be used, provided the thickness of the material is sufficiently greater to maintain an equivalent (total) thermal resistance (R_T).

EXAMPLE OF DETERMINING HEARTH EXTENSION EQUIVALENT

To determine the thickness required for any new material:

$$\frac{\text{NEW required thickness}}{\text{thickness}} = \frac{\text{K of new material (per inch)}}{\text{K of listed material (per inch)}} \times \text{thickness of listed material}$$

EXAMPLE FOR COMMON BRICK

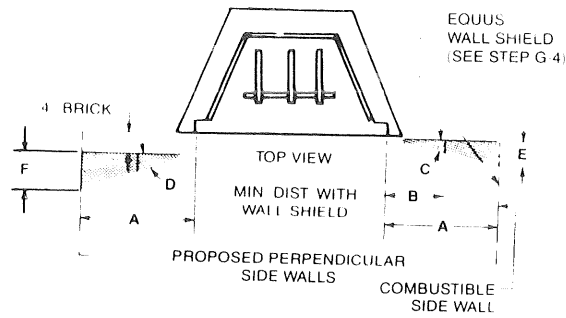
MBU36 Series Fireplace

T (new) =
 $5.0/0.458 \times 0.50 \text{ in.} = 5.46 \text{ in. (new required thickness)}$

MBU42 Series Fireplace

T (new) =
 $5.0/0.458 \times 1.00 \text{ in.} = 10.92 \text{ in. (new required thickness)}$

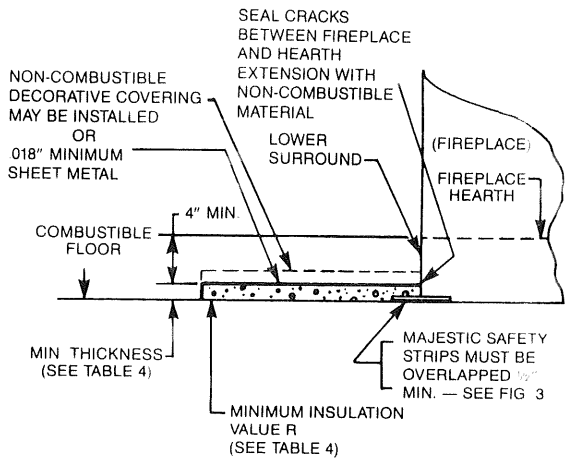
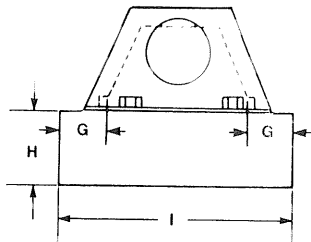
MINIMUM WALL COVERING DIMENSIONS



	A	B	C	D	E	F	G	H	I
MBU36	16"	12"	48°	41°	18"	14"	9"	16"	48"
MBUC36	16"	12"	48°	41°	18"	14"	9"	16"	48"
MBU42	20"	12"	42°	35°	18"	14"	12"	20"	61½"
MBUC42	20"	12"	42°	35°	18"	14"	12"	20"	61½"

MINIMUM HEARTH EXTENSION DIMENSIONS

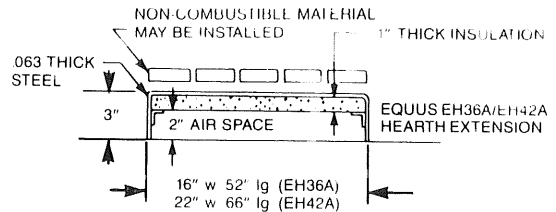
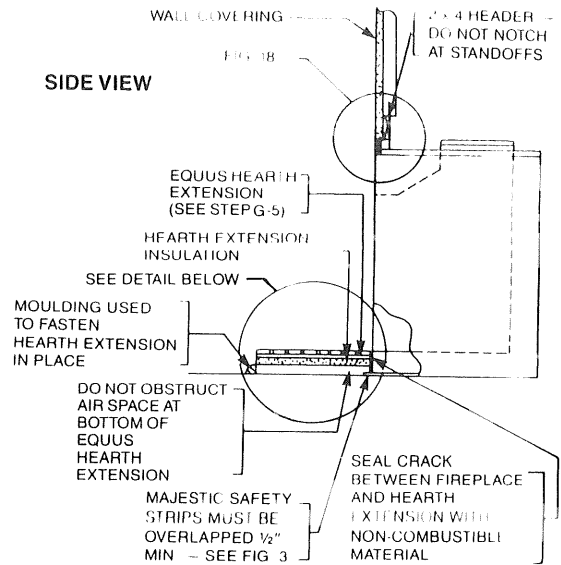
FOR ON-SITE CONSTRUCTION



NOTE: Do not cover grilles on MBUC36/MBUC42.

Fig. 22. Protection of adjacent combustible side walls and hearth extension dimensions.

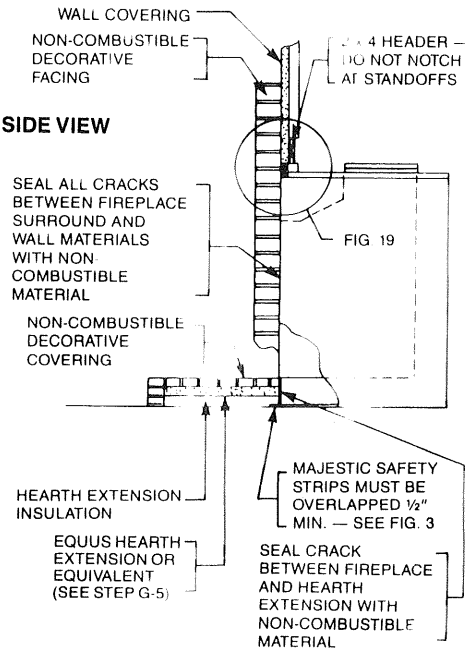
SIDE VIEW



NOTE: Do not cover grilles on MBUC36/MBUC42.

Fig. 23. Sealing detail.

SIDE VIEW



NOTE: Do not cover grilles on MBUC36/MBUC42.

Fig. 24. Sealing detail.

□ G-6. INSTALL DECORATIVE GAS APPLIANCE.

The Majestic MBU Series fireplace is designed to accept a 1/2 inch gas line for an approved gas appliance. Have the appliance installed by a qualified plumber in accordance with all building codes. The gas connection may enter from either left or right side of the fireplace.

Locate the appropriate gas line hole in the outer casing of the fireplace and remove the insulation from the gas line tube. (Refer to Fig. 25.)

Next, insert a 1/2 inch gas pipe through the gas line tube from the outside of the fireplace and forcibly punch out the ceramic knockout on the inside of fireplace.

Now, install the 1/2 inch gas pipe through the opening. After the gas pipe installation is complete, use the insulation that was removed from the gas line tube to repack the space around the pipe. This should be inserted from the outside of the fireplace and packed tightly to totally seal between the pipe and the tube.

NOTE: The gas pipe should not come in contact with any wood structures until it has reached a point at least one (1) inch away from the fireplace side. (See Fig. 25 for installation clarification.)

NOTE: Local codes may require removal of the flue damper when installing any type of gas appliance in a fireplace. For instructions on damper removal, refer to Majestic Instruction BF151. Heat output of a gas appliance installed in the fireplace should be rated less than 100,000 BTU/Hr.

The gas pipe installation is intended for connection to a decorative gas appliance only (1) incorporating an automatic shutoff device and (2) 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 Z223.1-1988.

CAUTION: WHEN USING DECORATIVE GAS APPLIANCE, THE FLUE DAMPER MUST BE SET IN THE FULLY OPEN POSITION.

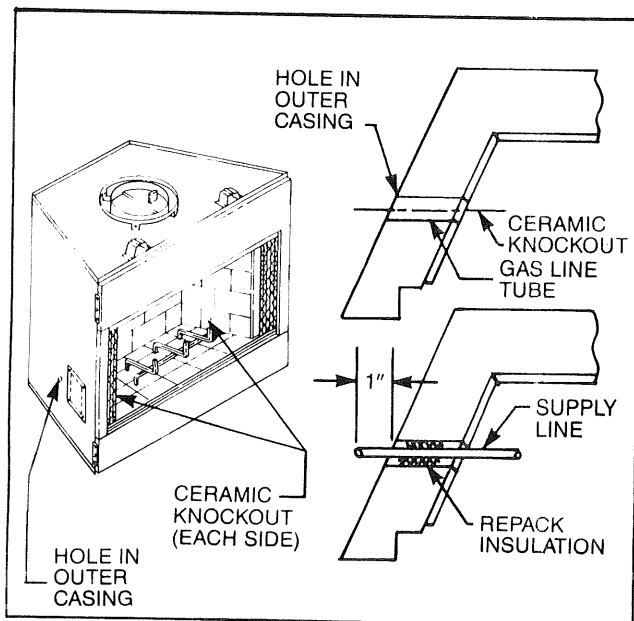


Fig. 25. Install iron pipe gas line through hole provided in either side of fireplace.

Reference Data

AIR SPACE DATA

Any MAJESTIC MBU Series fireplace can be located directly on a flat hard-surfaced combustible floor or on a wooden platform without air space from combustible construction. Some protection, however, is required for adjacent surfaces as detailed in Fig. 26.

The minimum air space-to-combustibles requirements for chimney sections and dome are detailed in Fig. 26.

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

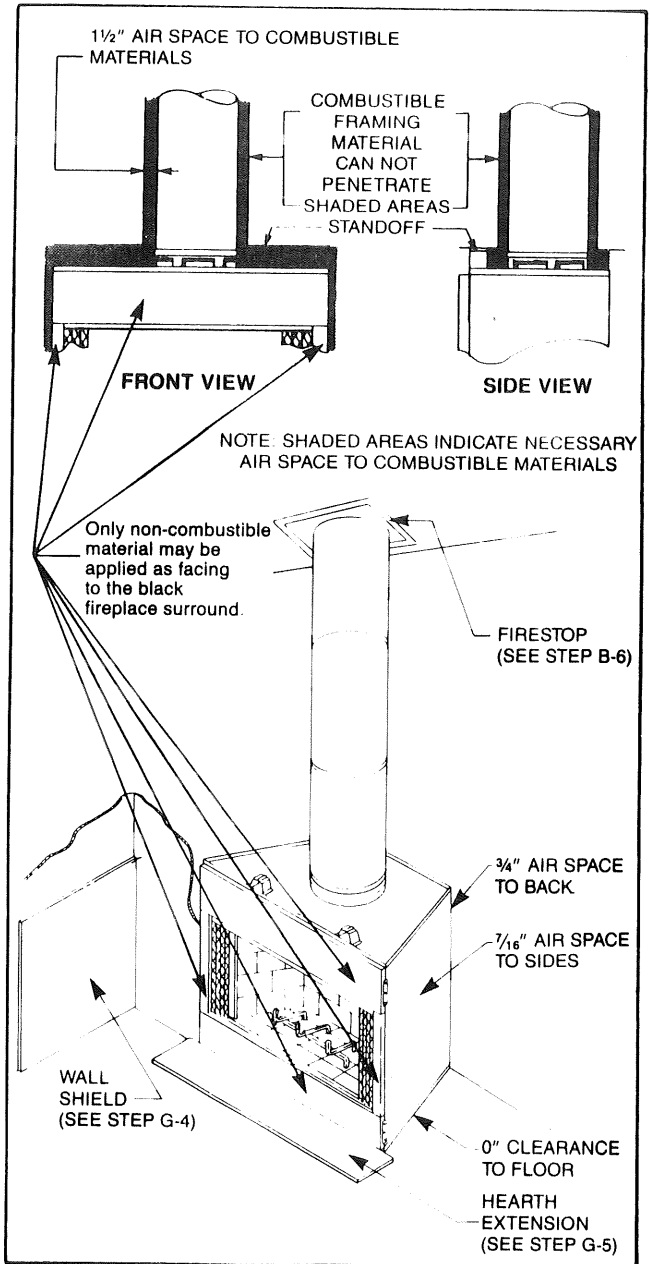


Fig. 26. Minimum air spaces to combustible materials.

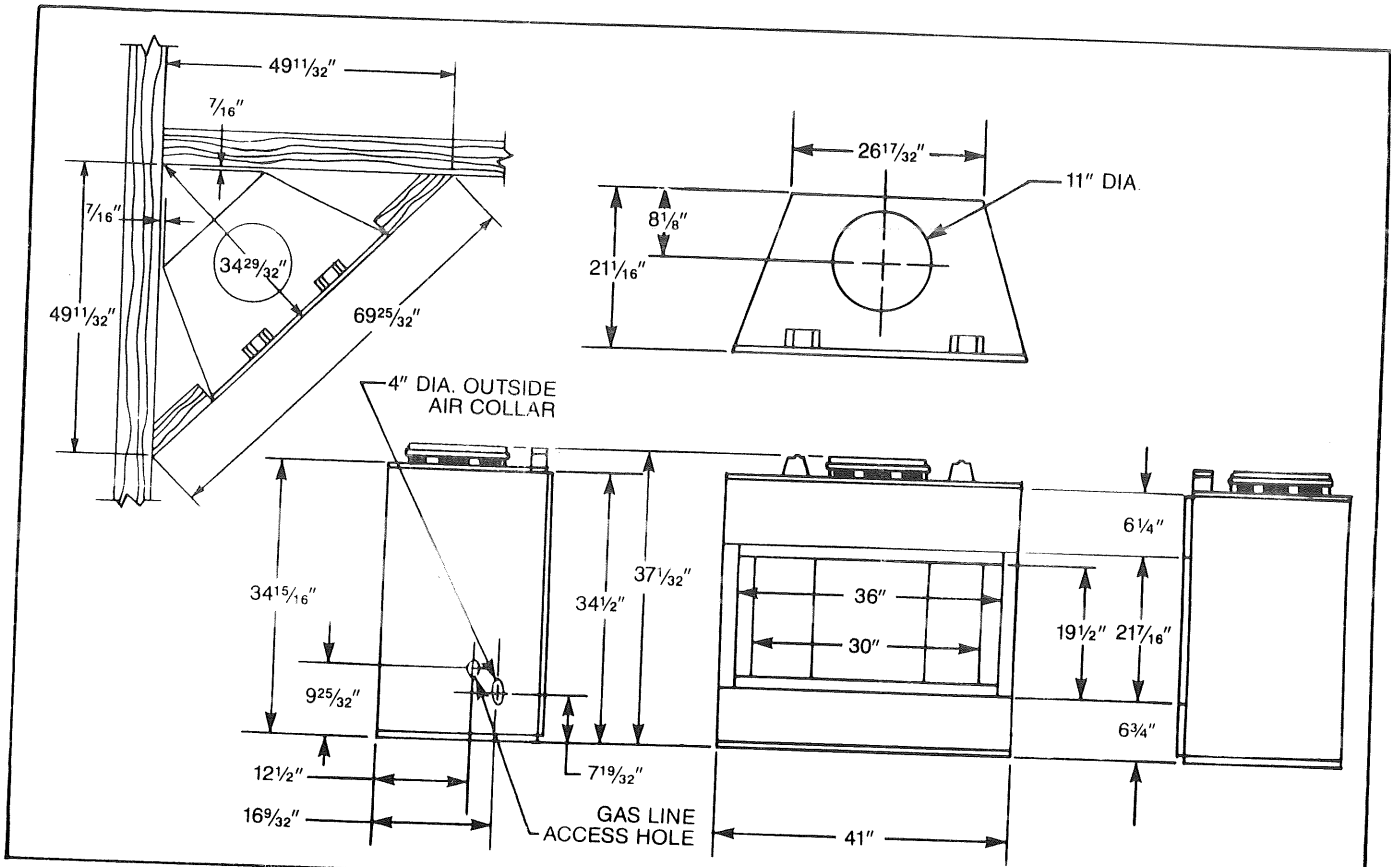


Fig. 27. Dimensions of MBU36/MBU36i.

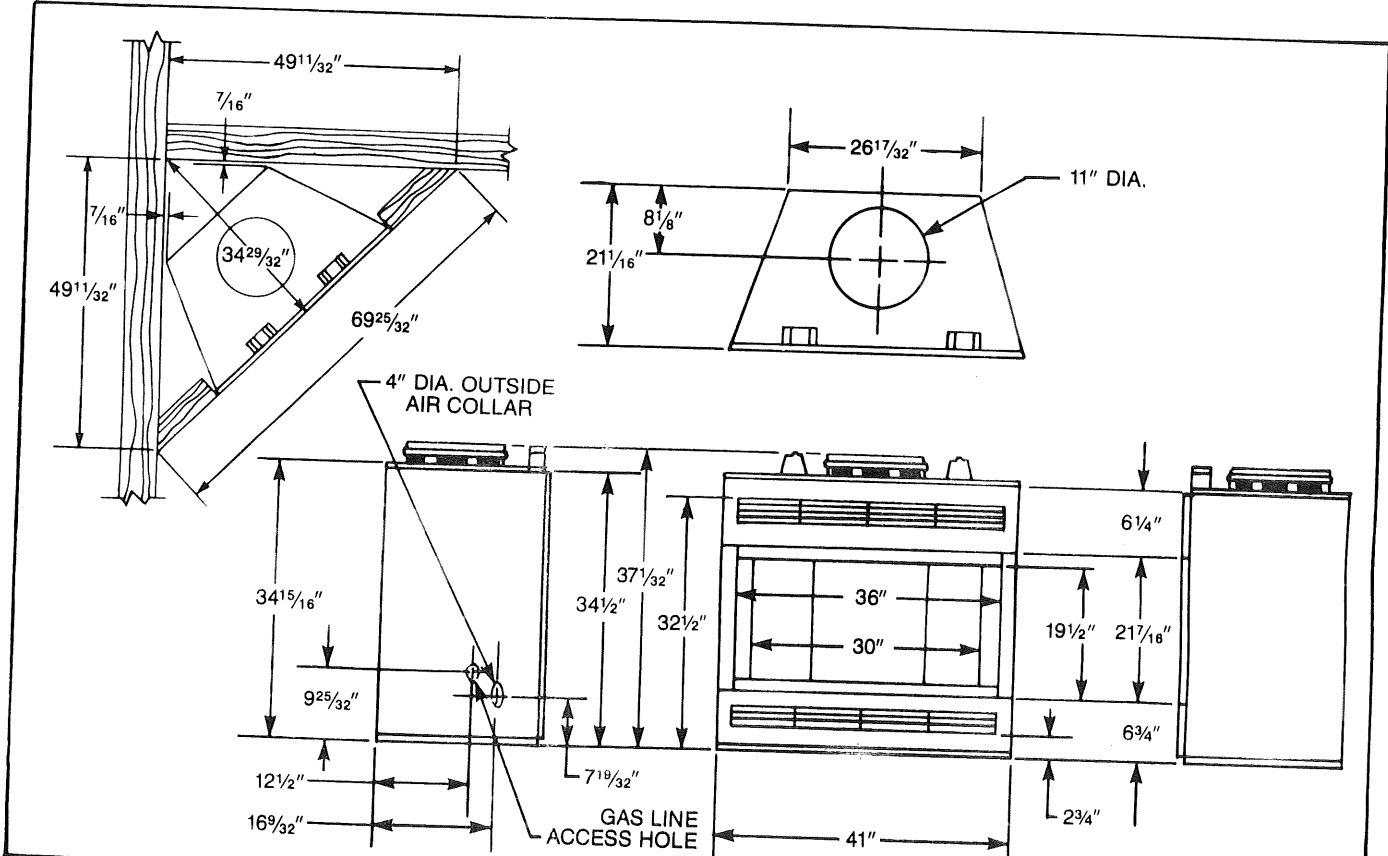


Fig. 28. Dimensions of MBUC36/MBUC36i.

DIMENSIONS

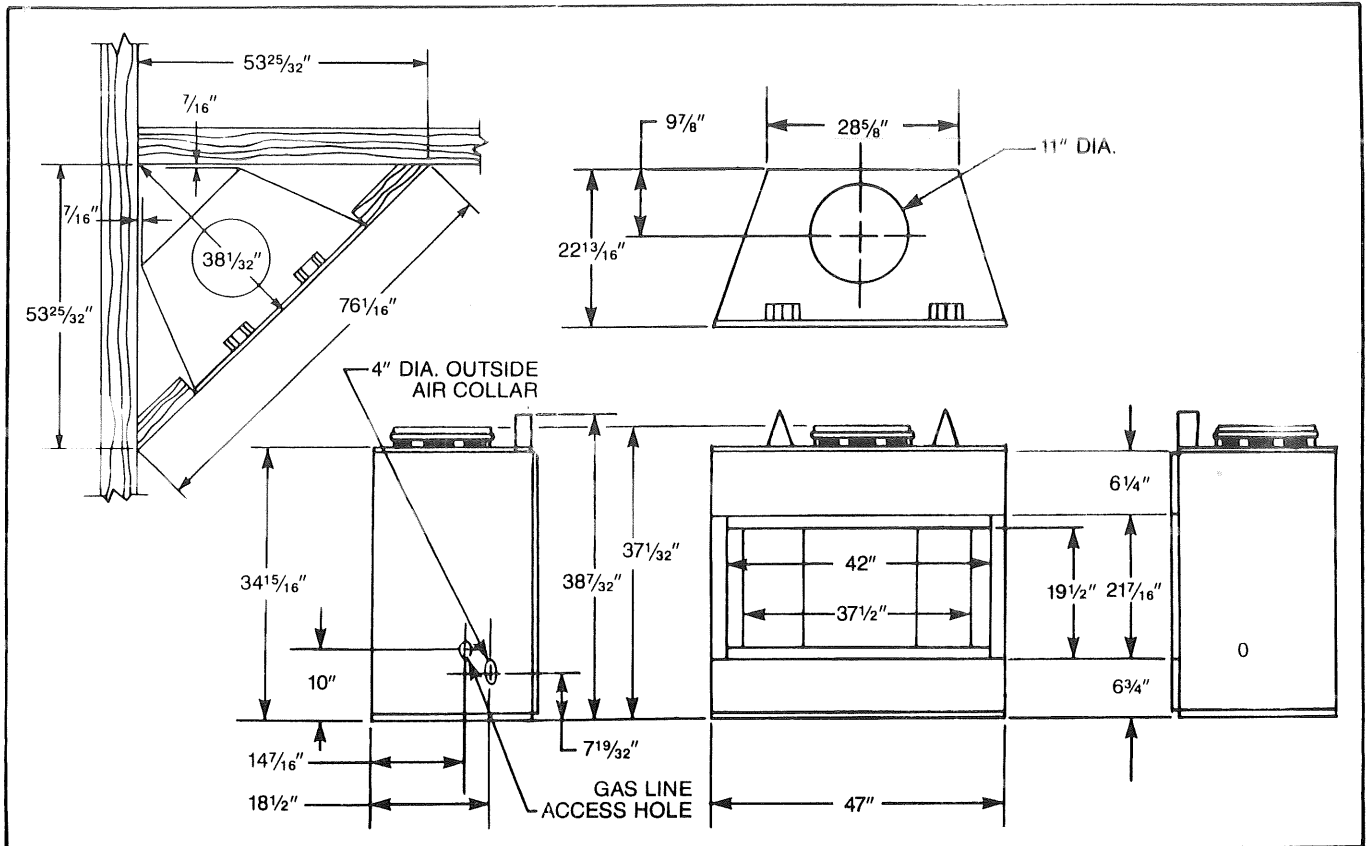


Fig. 29. Dimensions of MBU42.

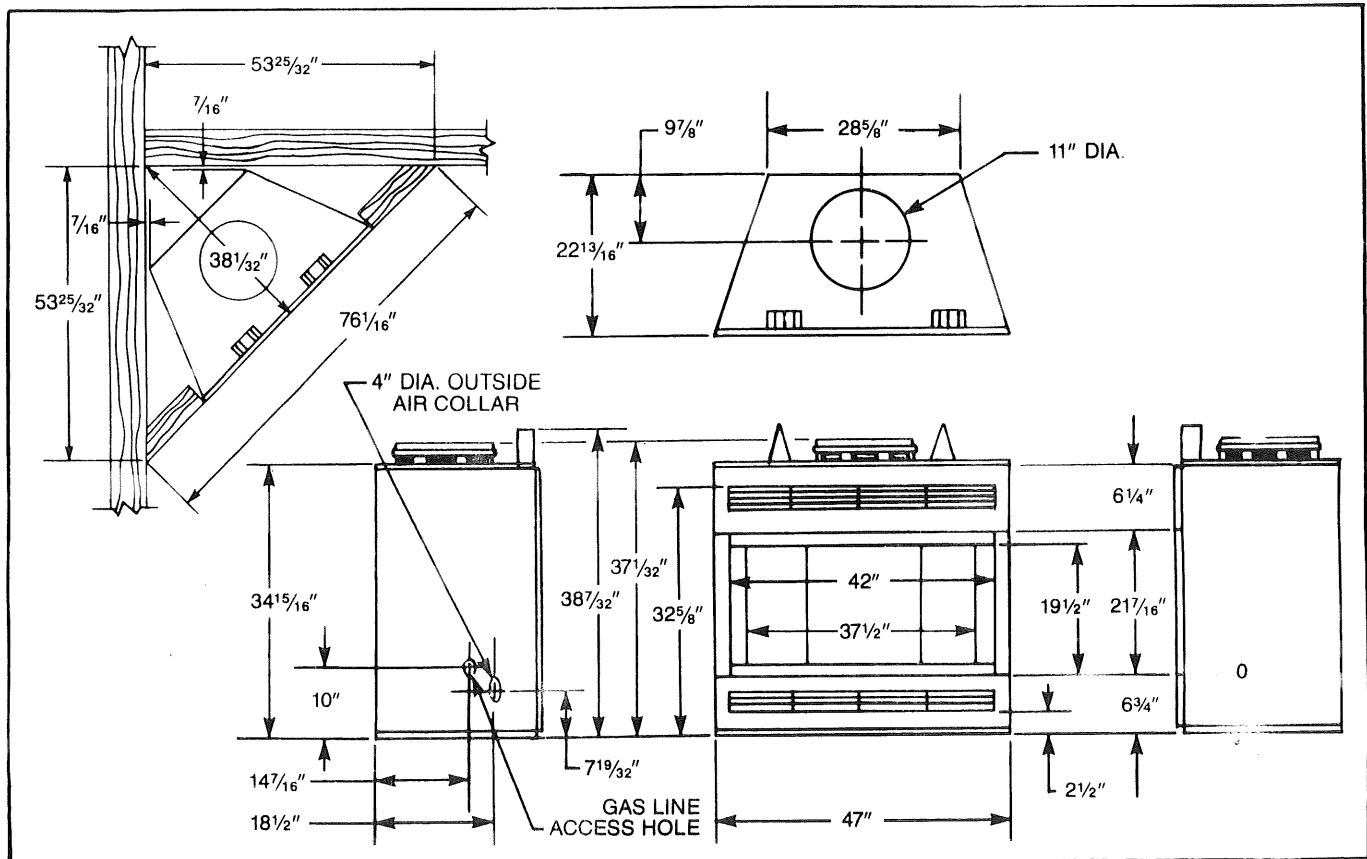
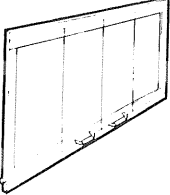
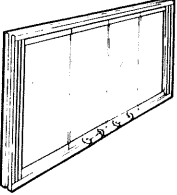
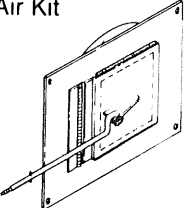
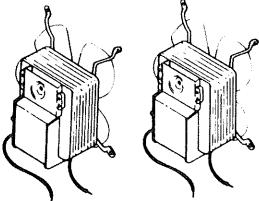
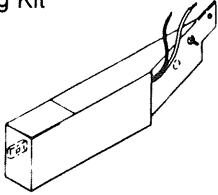
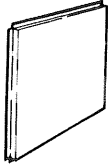


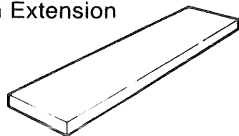

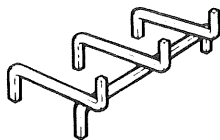
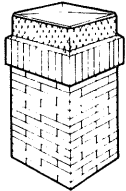
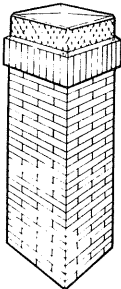
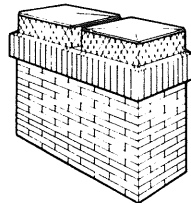
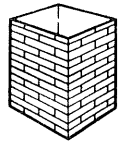
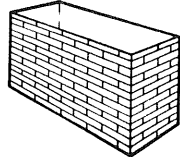

Fig. 30. Dimensions of MBUC42.

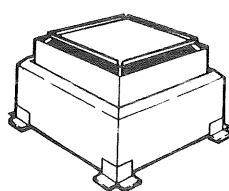
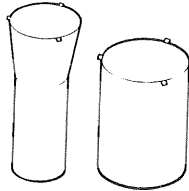
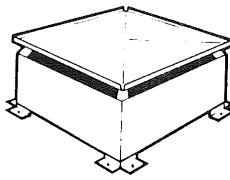
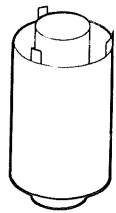
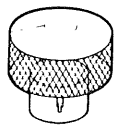
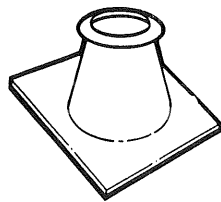
Accessory Parts

The following accessory parts can be obtained from your Majestic Dealer. The fan kit, top terminations, outside air kit, glass doors, and hearth patching kits are supplied with installation instructions packaged with the unit. Should you need additional information beyond what your dealer can furnish, contact the Majestic Company, Huntington, Indiana 46750, Attention: Director of Customer Service.

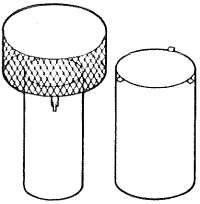

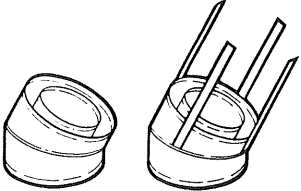
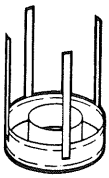
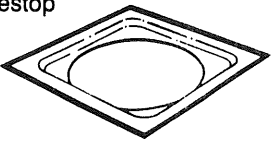
CAUTION: This fireplace and chimney assembly is a highly engineered system and, as such, must be operated only with Majestic or Equus Building Products approved components that have been designed as parts of the system. If you use an unapproved component or make any modifications, you may possibly cause a fire hazard and will void the Majestic warranty. In addition, such action may void the coverage provided by the owner's home insurance.

Accessory	Description	Model No.
<p>Glass Enclosure Kit</p> 	<p>Designed to enclose the MBU Series fireplace opening with glass doors, allowing the fire to remain visible.</p>	<p>HGD-36 or UGD-36A UGD-42 or HGD-42</p>
<p>Glass Enclosure Kit</p> 	<p>Supreme glass fireplace doors with distinctive good looks. Designed to enclose fireplace opening, allowing the fire to remain visible.</p>	<p>SGD36 SGD42</p>
<p>Outside Air Kit</p> 	<p>Designed to provide outside air for fuel combustion in the firebox. This accessory must be installed before the fireplace is installed.</p>	<p>BUA-36</p>
<p>Dual Fan Kit</p> 	<p>Dual Fan Kit. Designed for use with the fireplace to provide forced air flow. For use with MBUC36 and MBUC42 Series Fireplaces.</p>	<p>U FK (MBUC36 and MBUC42 ONLY)</p>
<p>Wiring Kit</p> 	<p>Wiring kit designed for single side (right side) wiring. This kit must be installed and field tested before the fireplace is enclosed.</p>	<p>JB (MBUC36 and MBUC42 ONLY)</p>
<p>Wall Shield</p> 	<p>Used to protect walls adjacent to the fireplace.</p>	<p>SP40</p>

Accessory	Description	Model No.
Hearth Extension 	Located on the floor in front of the fireplace opening to protect the floor from heat, hot embers, ashes, etc.	EH36A EH42A
Hearth Extension 	Located on the floor in front of the fireplace opening to protect the floor from heat, hot embers, ashes, etc.	EH2416
Basket Grate 	Used in the firebox to hold firewood.	Standard Equipment Replacement RBGU36 RBGU42
Traditional Top Housings   Single Flue  Double Flue Extra Tall Single Flue	Gives traditional chimney top look using simulated brick in red, tan or white color. Brick pattern is embossed into galvanized steel unit. Roof flashing is included. Appropriate adapter is required.	T20A/T20B (single flue) TL20A/TL20B (extra tall single flue) T44A/T44B (double flue)
Housing Extensions  	Required to extend Traditional Top Housings on steeply pitched roofs.	202036 (single flue) 204436 (double flue)
Adapter Kit 	Required to unite chimney with Traditional Top Housing. (T20 and T44 series)	CF8CA (8" flue)

Accessory	Description	Model No.
<p>Contemporary Chase Top Termination</p> 	<p>Used to terminate chimney at the top of a chase. Flashing is not included. Appropriate adapter is required.</p>	<p>TT200B/TT200C</p>
<p>Adapter Kit</p> 	<p>Required to unite chimney with Contemporary Chase Top. (TT200B/TT200C)</p>	<p>SKTT8CB (8" flue)</p>
<p>Contemporary Chase Top</p> 	<p>Used to terminate model "CF" and "SK" (2-wall) chimney at top of a chase.</p>	<p>CT100</p>
<p>Adapter Kit</p> 	<p>Required to unite model "SK" (2-wall) chimney with CT100 Contemporary Chase Top. NOTE: CTSK for use ONLY on MBU/MBUC36 Series Fireplaces.</p>	<p>CTSK or CTSK42</p>
<p>Contemporary Round Top Termination</p> 	<p>Used to terminate chimney on the roof. Flashing not included. NOTE: SKC8-36 for use ONLY on MBU/MBUC36 Series Fireplaces.</p>	<p>SKC8-36 or SKC8-42</p>
<p>Contemporary Flashing</p> 	<p>Required for contemporary round top termination on the roof to prevent rain entry.</p>	<p>8-6-12 (8" flue: 0 to 6/12 pitch) 8-12-12 (8" flue: 6/12 to 12/12 pitch)</p>

used @ Higgin bottom Spark

Accessory	Description	Model No.
<p data-bbox="201 155 431 210">Extended Round Top Chase Termination</p> 	<p data-bbox="643 210 987 264">For use with EQUUS type "SK" Chimney Systems.</p> <p data-bbox="643 268 987 348">Used to terminate chimney at the top of a chase. Flashing not included.</p> <p data-bbox="643 352 1019 407">NOTE: SKC8-36L for use ONLY on MBU/MBUC36 Series Fireplaces.</p>	<p data-bbox="1263 268 1373 348">SKC8-36L or SKC8-42L</p>
<p data-bbox="201 478 363 533">"SK" Chimney Sections</p> 	<p data-bbox="643 583 1045 617">Used to build "SK" chimney systems.</p>	<p data-bbox="1214 562 1425 701">8" flue SK81 (1' long) SK818 (1½' long) SK83 (3' long) SK84 (4' long)</p>
<p data-bbox="201 760 444 793">"SK" Chimney Elbows</p> 	<p data-bbox="643 848 1084 953">Used to develop offset chimney systems. Only 30° elbows are available. (8 inch elbows packed 2 per carton — upper and lower elbow set).</p>	<p data-bbox="1247 877 1380 932">SK830-2 (8" 30° flue)</p>
<p data-bbox="201 1050 386 1083">Chimney Support</p> 	<p data-bbox="643 1121 1052 1260">Used to support the chimney at each 30 feet of vertical height above the hearth and at every 6 feet of inclined chimney run. Each support adds 2½ inches to chimney length.</p>	<p data-bbox="1273 1171 1357 1226">SKCS8 (8" flue)</p>
<p data-bbox="201 1348 282 1381">Firestop</p> 	<p data-bbox="643 1411 980 1465">Required at each floor level and attic on multi-story installation.</p>	<p data-bbox="1159 1411 1484 1465">SKFS2A (8" straight flue) SKFS6A (8" 30° inclined flue)</p>
<p data-bbox="201 1528 402 1562">Hearth Patching Kit</p>	<p data-bbox="643 1579 971 1612">Used to patch cracks in hearth.</p>	<p data-bbox="1279 1579 1344 1612">HPC1</p>

FOR

Amy

Powers

2/27/97

Higginbottom Home

34 Eastfield Rd

Portland ME

J. Chase

rec'd 3/4/97 City of A: SK8 CHIMNEY
@ P.H.D. DISNEY

THE MAJESTIC
PRODUCTS COMPANY

Attention - Army Powers

From - Frost N Flame

FAX 847-741-5986

April 18, 1996

MAJESTIC DISTRIBUTING
824 E. Chicago Street, Highway 19
Elgin, Illinois 60120
ATTN: Lenore

regarding Higginbottoms

SUBJECT: MAJESTIC/MBS MODEL SK8 CHIMNEY SYSTEM

Dear Lenore:

I am addressing this letter to the questions that you had presented in regard to the Majestic/M.B.S. SK8 chimney system being a solid fuel wood burning chimney.

This chimney system is a solid fuel chimney system, as well as a Type "B" Gas Vent system. It was tested first as a solid fuel chimney system and is Listed to UL 127 Test Standard For Factory-Built Fireplaces under File MH6018, Project Number 85NK22504, dated February 14, 1986 and as a Type "B" Gas Vent, to UL Test Standard 441 For Gas Vents under File MH7658, Project Number 89NK23126, dated January 10, 1990. This Model SK, 8 inch Chimney System also appears under ICBO Report Number ER-4837. The Model SK8 chimney system consists of everything that makes up the total system such as chimney, elbows, chimney supports, firestops, flashings and chimney caps.

The UL label states: Fireplace Part - also Listed Type "B" Gas Vent; this wording was that specified by Underwriters Laboratories to be used on this chimney as it was initially tested and listed as a solid fuel chimney, fireplace part, and recently tested and listed as a Type "B" Gas Vent. An enlarged copy of this UL label is attached for your reference.

The difference between these two (2) test programs is very significant in that the solid fuel chimney criteria requires the chimney system to be tested and successfully pass flue gas generator evaluation at 1700°F during a very lengthy test period. The Type "B" Gas Vent requirement is at a much less stringent temperature requirement.

I hope this information will satisfy the questions regarding this chimney system. If questions arise, please contact me.

Sincerely,
The Majestic Products Company

Terry G. Schoeff
Terry G. Schoeff
Technical Service Engineer

/tgs

1000 East Market St.
Harrington, Ill
46750-2579

cc: Terry Denton

Gary Bower

File

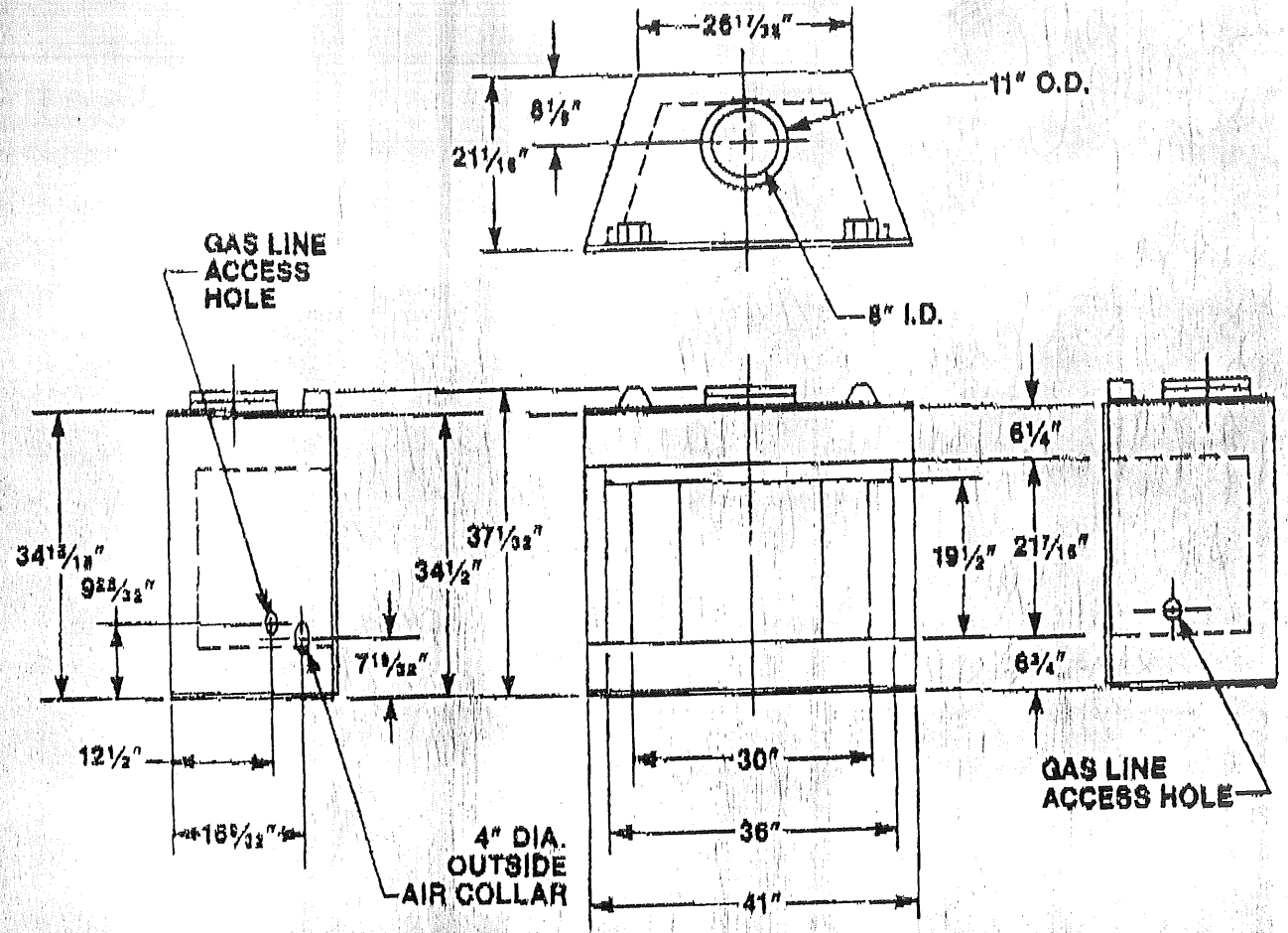
800-525-1998

96-125
194-C-051

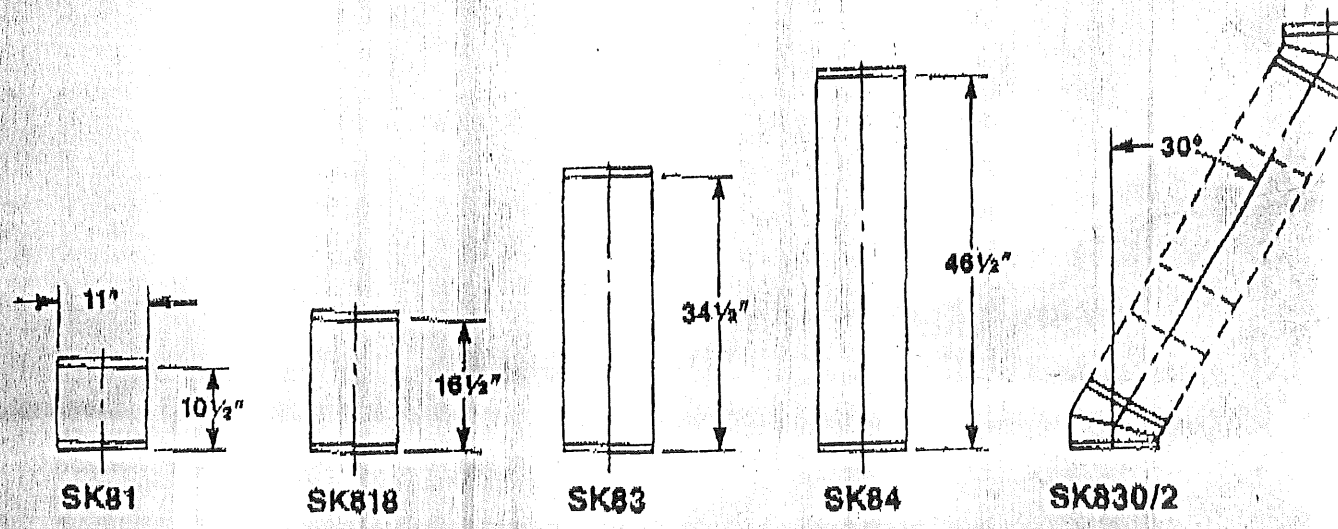
FIREPLACE and CHIMNEY COMPONENT SPECIFICATIONS

SCALE 1/4" = 1'-0"

FIREPLACE

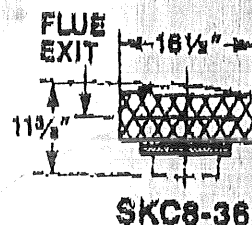


CHIMNEY SECTIONS and OFFSETTING ELBOWS

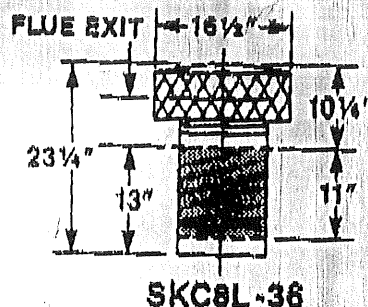


NOTE: THE INSTALLED LENGTH OF ANY CHIMNEY SECTION IS 1" LESS THAN ITS TOTAL LENGTH, EXCEPT FOR THE LAST SECTION INSTALLED.

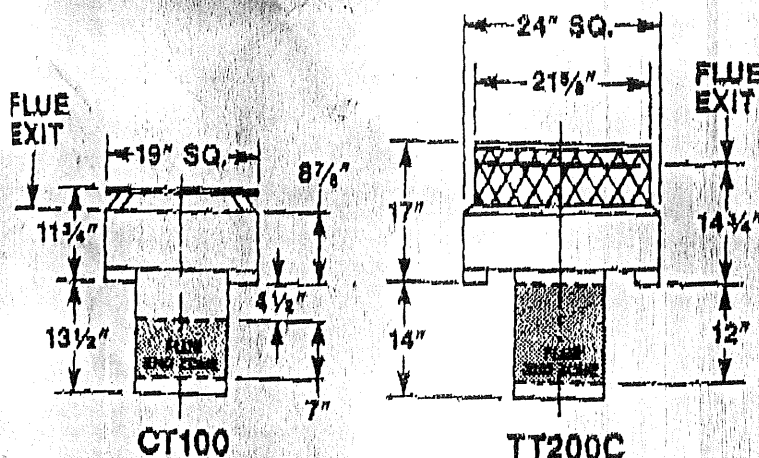
CONTEMPORARY TERMINATIONS



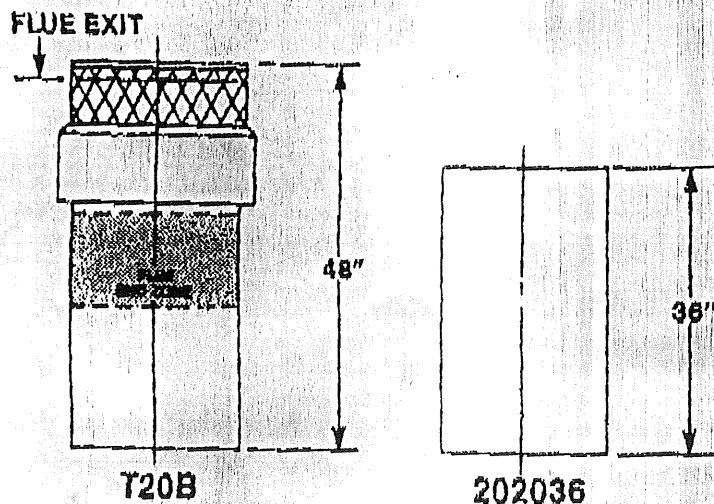
CONTEMPORARY CHASE TERMINATIONS



TRADITIONAL CHASE TERMINATIONS



TRADITIONAL TERMINATIONS



FIREPLACE FACT

MBU36/MBU36I

Standard 36-inch non-heat circulating builder model. MBU36I model provides fully insulated construction for northern climate application.

FEATURES:

- 36-Inch Wide Firebox Opening
- 424-Square Inch Hearth Area
- Full Refractory Lined Firebox

MINIMUM FLOOR AREA:

- 41 7/8" W x 21 7/8" D

MINIMUM NON-COMBUSTIBLE HEARTH EXTENSION AREA:

- 48" W x 16" D
 - Requires 1/2" thick Majestic EH2416 Insulation Board Between Combustible Floor and Non-Combustible Covering

OPTIONAL ACCESSORIES:

- 'HGD36-Series' Glass Door Kits
 - 'HGD36' Brushed Brass
 - 'HGD36-PC' Polished Chrome
 - 'HGD36-PB' Polished Brass
 - 'HGD36-BK' Black
- 'BUA36' Outside Air Kit
 - 4" Rd. Class 1 Duct
 - 40 Ft. Maximum Run
 - (4) 90° Elbows Maximum
- Natural Stone Surround Facings (See Surround Facing Section)
- Wood Mantels, Trim Kits and Mantel Shelves (See Mantel Section)
 - 12" Minimum Clearance Above Fireplace Opening

FLUE SYSTEM

8" TWO-WALL 'SK' SYSTEM

SPECIFICATIONS:

- 8" I.D.
- 11" O.D.
- 1 1/2" Clearance to Combustible Materials
- 14 1/2" x 14 1/2" Minimum Roof/Ceiling Opening

MIN./MAX. INSTALLATION HEIGHTS:

Maximum -	90 Ft. 0 In.
Minimum -	
Straight-Up	12 Ft. 6 In.
With 2 Elbows*	14 Ft. 6 In.
With 4 Elbows*	21 Ft. 0 In.
*Maximum Total Offset - 20 Ft.	

The Fireplace Facts Information Sheets are for quick reference only and are subject to change without notice. Actual fireplace installation must abide by specifications provided with each product.





UNDERWRITERS
LABORATORIES INC. ©
LISTED

FIREPLACE PART

ISSUE NO. U-260,258

ALSO LISTED TYPE "B"
GAS VENT PART

INSTALL AND USE ONLY IN ACCORDANCE WITH MAJESTIC OR
TRUEHEAT INSTALLATION AND MAINTENANCE INSTRUCTIONS
MINIMUM CLEARANCE - ONE AND ONE HALF INCH
AIR SPACE TO COMBUSTIBLE MATERIALS AND
BUILDING INSULATION

PART NO.: MODEL "SK" 8 INCH CHIMNEY

MAJCO
BUILDING
SPECIALTIES™
HUNTINGTON, IN

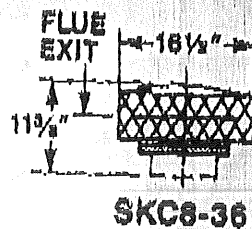


LISTED
COMPONENT FOR FIREPLACES

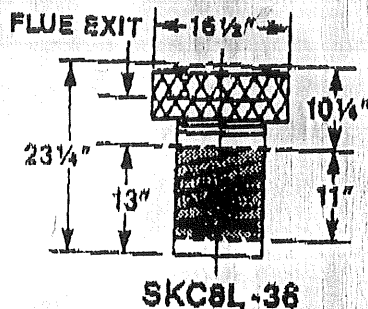


1116018
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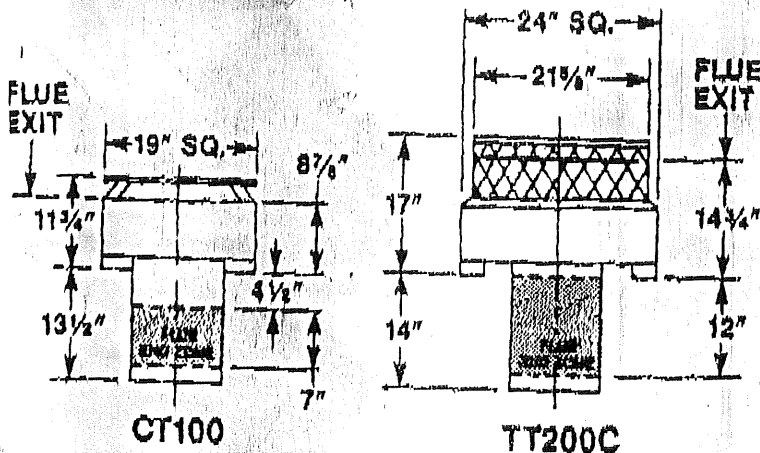
CONTEMPORARY TERMINATIONS



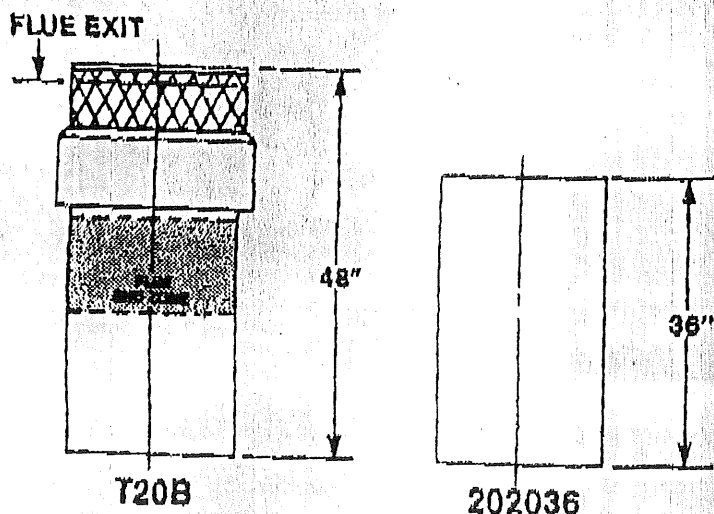
CONTEMPORARY CHASE TERMINATIONS



TRADITIONAL CHASE TERMINATIONS



TRADITIONAL TERMINATIONS



FIREPLACE FACT

MBU36/MBU36I

Standard 36-inch non-heat circulating builder model. MBU36I model provides fully insulated construction for northern climate application.

FEATURES:

- 36-Inch Wide Firebox Opening
- 424 Square Inch Hearth Area
- Full Refractory Lined Firebox

MINIMUM FLOOR AREA:

- 41 7/8" W x 21 7/8" D

MINIMUM NON-COMBUSTIBLE HEARTH EXTENSION AREA:

- 48" W x 16" D
 - Requires 1/2" thick Majestic EH2416 Insulation Board Between Combustible Floor and Non-Combustible Covering

OPTIONAL ACCESSORIES:

- 'HGD36-Series' Glass Door Kits
 - 'HGD36' Brushed Brass
 - 'HGD36-PC' Polished Chrome
 - 'HGD36-PB' Polished Brass
 - 'HGD36-BK' Black
- 'BUA36' Outside Air Kit
 - 4" Rd. Class 1 Duct
 - 40 Ft. Maximum Run
 - (4) 90° Elbows Maximum
- Natural Stone Surround Facings (See Surround Facing Section)
- Wood Mantels, Trim Kits and Mantel Shelves (See Mantel Section)
 - 12" Minimum Clearance Above Fireplace Opening

FLUE SYSTEM

8" TWO-WALL 'SK' SYSTEM

SPECIFICATIONS:

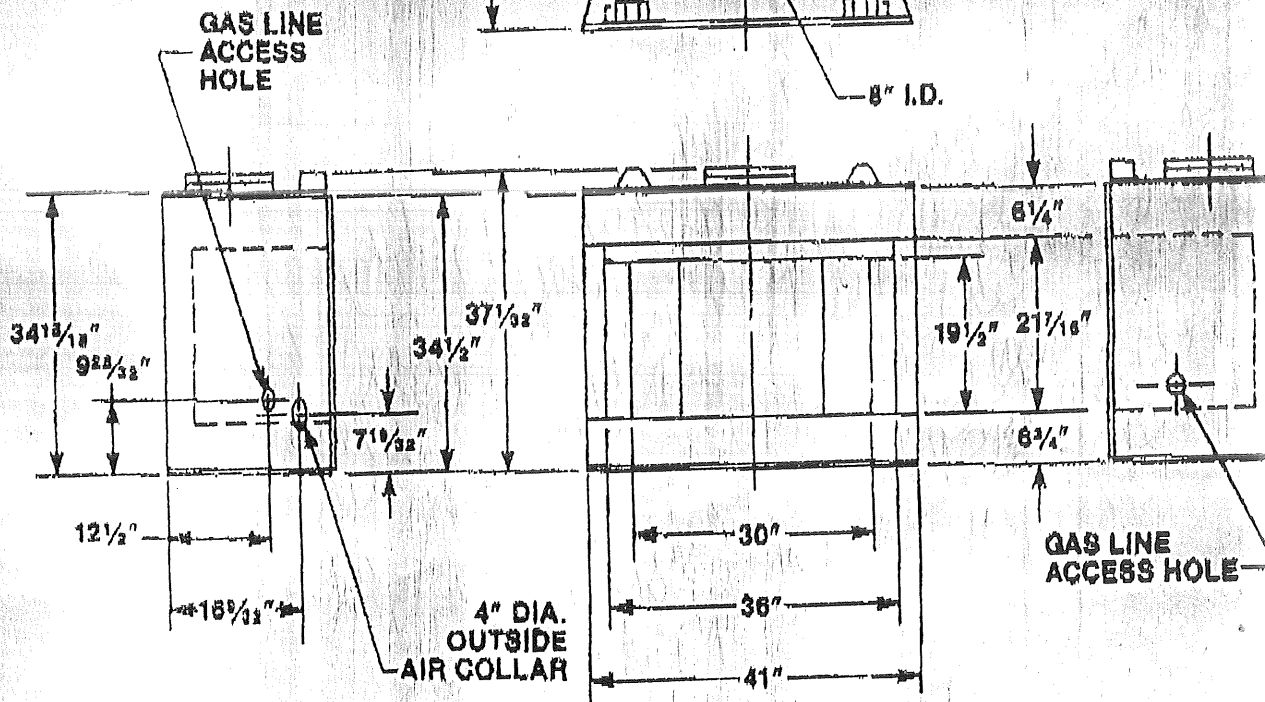
- 8" I.D.
- 11" O.D.
- 1 1/2" Clearance to Combustible Materials
- 14 1/2" x 14 1/2" Minimum Roof/Ceiling Opening

MIN./MAX. INSTALLATION HEIGHTS:

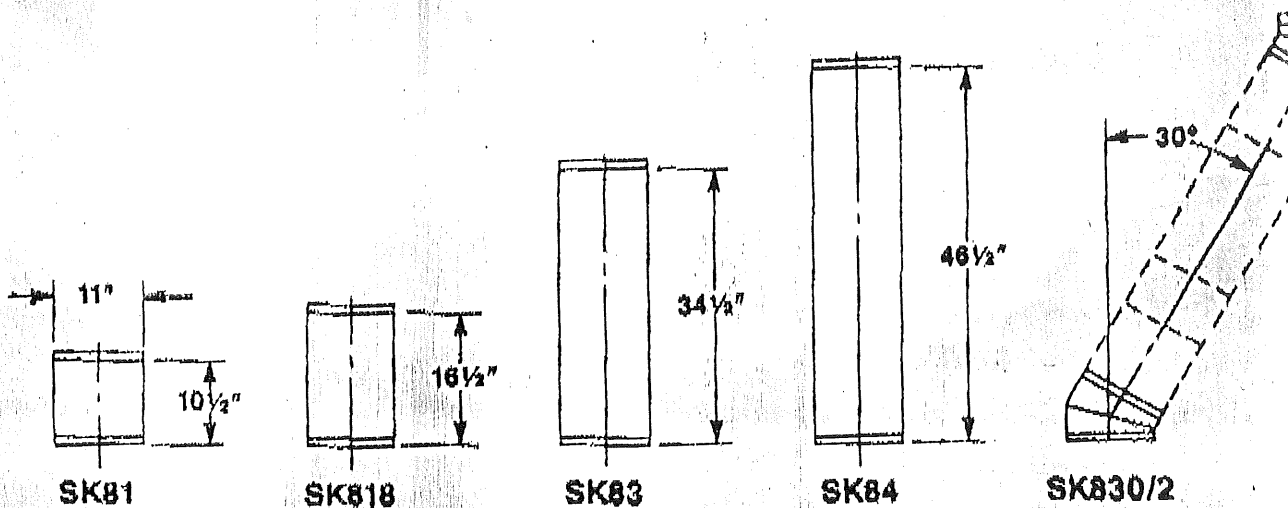
Maximum -	90 Ft. 0 In.
Minimum -	
Straight-Up	12 Ft. 6 In.
With 2 Elbows*	14 Ft. 6 In.
With 4 Elbows*	21 Ft. 0 In.
* Maximum Total Offset - 20 Ft.	

The Fireplace Facts Information Sheets are for quick reference only and are subject to change without notice. Actual fireplace installation must abide by specifications provided with each product.

MAJESTIC®



CHIMNEY SECTIONS and OFFSETTING ELBOWS



NOTE: THE INSTALLED LENGTH OF ANY CHIMNEY SECTION IS 1" LESS THAN ITS TOTAL LENGTH, EXCEPT FOR THE LAST SECTION INSTALLED.

~~Kambert~~ Higgin bottom 34 Westfield


SELKIRK METALBESTOS

Model SSII.

The rugged all stainless steel chimney that makes every installation simple, fast and sound.

Selkirk Metalbestos Chimney Systems Meet All UL Requirements

This catalog includes both the Model SSII Type HT (6", 7" & 8" size) and Model SSII (10", 12" & 14" size) chimneys. Model SSII Type HT has been tested to 2100°F. This is the high temperature test option of Underwriters' Laboratories' Safety Standard for Factory-Built Chimneys, UL-103 Sixth Edition. The Model SSII Chimney sizes 6, 7 and 8 inch is not only UL Listed as a "Type HT Chimney", but these sizes have passed additional exhaustive and stringent laboratory tests called for in the Sixth Edition of UL-103. Model SSII sizes 10, 12 and 14 inch have been tested to UL-103 maximum temperature of 1700°F and also comply with all UL-103 Sixth Edition requirements. Installation and maintenance instructions for Model SSII Chimneys provide installers and users with detailed and accurate information on important aspects of operating safety and performance.

	IMPORTANT
	This catalog references Model SSII Chimney Systems with two maximum test temperatures under Underwriters' Laboratories Safety Standard for Factory-Built Chimneys (UL-103).
	MODEL SSII-TYPE HT
Diameter Sizes:	6", 7" & 8"
Part Identification:	Letter "T"
Clearances:	2" to Combustibles
Temperature Ratings:	2100°F (Maximum Test)
	MODEL SSII
Diameter Sizes:	10", 12" & 14"
Part Identification:	Letter "S"
Clearances:	2" to Combustibles
Temperature Ratings:	1700°F (Maximum Test)

Type HT Temperature Tests

The Model SSII Type HT Chimney is intended for normal continuous operation

at 1000°F flue gas temperature at two inches clearance to enclosing combustible test structure without exceeding temperature limits. Additionally, the chimney is tested at 1400°F for a one hour period. The important Type HT tests consist of three firings at normal 1000°F, long enough to obtain steady conditions. Each of these 1000°F firings is followed immediately by ten minutes at 2100°F. These tests help to prevent product damage or structural hazard during brief periods of excessive chimney temperature.

Model SSII Temperature Tests

The Model SSII Chimney in 10", 12" and 14" sizes is also intended for normal continuous use at not over 1000°F. The laboratory tests for these larger sizes involve a total of four ten-minute firings at 1700°F.

Model SSII—The Multi-Fuel Chimney

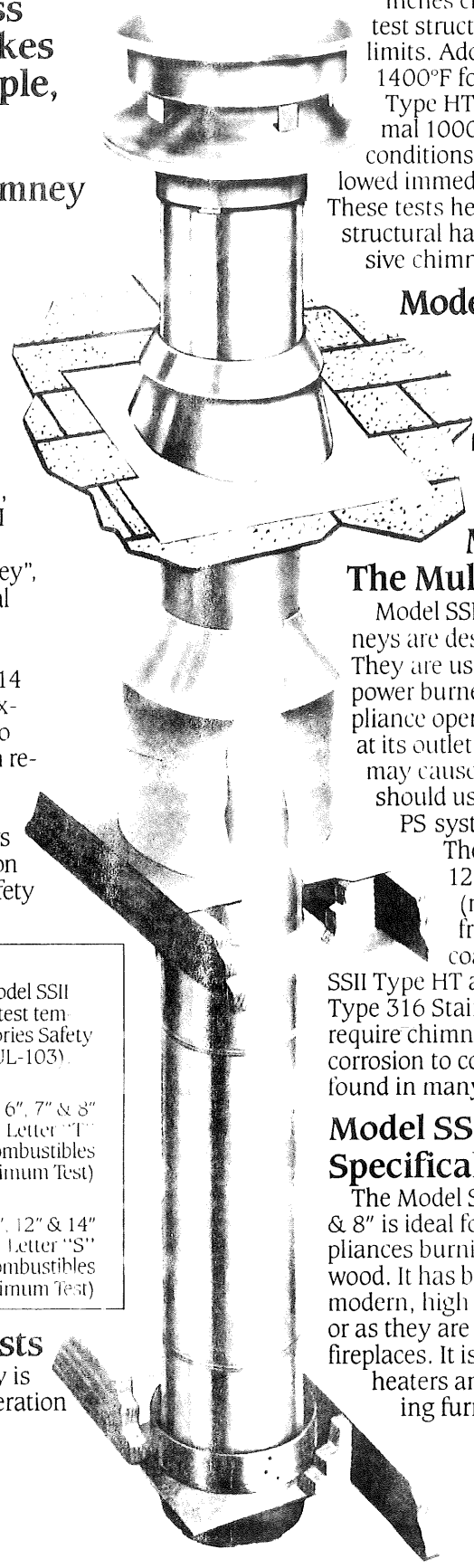
Model SSII and Model SSII Type HT Chimneys are designed for gravity venting only. They are usable on any appliance having a power burner (such as oil furnace) if that appliance operates with neutral or negative draft at its outlet. Non-residential appliances which may cause positive pressure in the chimney should use a Selkirk Metalbestos Model PS system.

The Model SSII Chimney, sizes 10", 12", 14", are ideal for venting gas (natural and LP), #2 oil, and open front wood burning appliances. For coal-fired appliances, both the Model

SSII Type HT and Model SSII are available with Type 316 Stainless Steel. Appliances burning coal require chimneys with additional resistance to corrosion to cope with the sulphur and chloride found in many coals.

Model SSII Type HT—Designed Specifically for "Airtight" Stoves

The Model SSII Type HT Chimney, sizes 6", 7" & 8" is ideal for venting residential heating appliances burning natural and LP gas, #2 oil, and wood. It has been specifically designed for today's modern, high efficiency "airtight" wood stoves, or as they are termed: solid fuel wood burning fireplaces. It is also suitable for wood burning heaters and for combination fuel central heating furnaces.



#96-1215
194-C-057

HT 218

Unparalleled Engineering and Design

Standard Stainless Steels are used for all insulated parts. The smooth stainless steel inner liner produces rapid stabilization of strong draft and heats fast to minimize condensation as waste gases are exhausted. The outer casing carries structural loads leaving the inner pipe free to expand without stress. The solid pack Low-K insulation in the pipe assures the highest possible inner wall temperature by preventing circulation of air between inner and outer chimney walls. Solid pack insulation also blocks escape of heated air, a problem which air-insulated designs cannot avoid.

Insulation Factors

Special Low-K insulation filling the space between stainless steel walls is only 1 inch thick, yet it provides 17 times the insulating value of brick.

This optimum density of insulation stops expansion noises and resists and contains surges of heat. This allows the system to be enclosed with only 2 inch clearance to combustibles. The insulation used contains no asbestos. Its major ingredient is a material known as Volatilized Silica, blended with a smaller proportion of mineral wool to provide the proper insulation characteristics. In spite of its apparent "solid pack" density, chimney pipe insulation comprises about 85% air. The mixture of extremely fine particles of powder with fibers traps this air in the pores of the insulation and also blocks radiation heat transfer. This accounts for the outstanding effectiveness of fully insulated Selkirk Metalbestos chimneys.

Variety of Sizes

The Model SSII Type HT is made in three diameter sizes: 6, 7 and 8 inches. Model SSII Chimneys are made in 10, 12 and 14 inch sizes. Standard lengths for both models are 18 and 36 inches; however, short

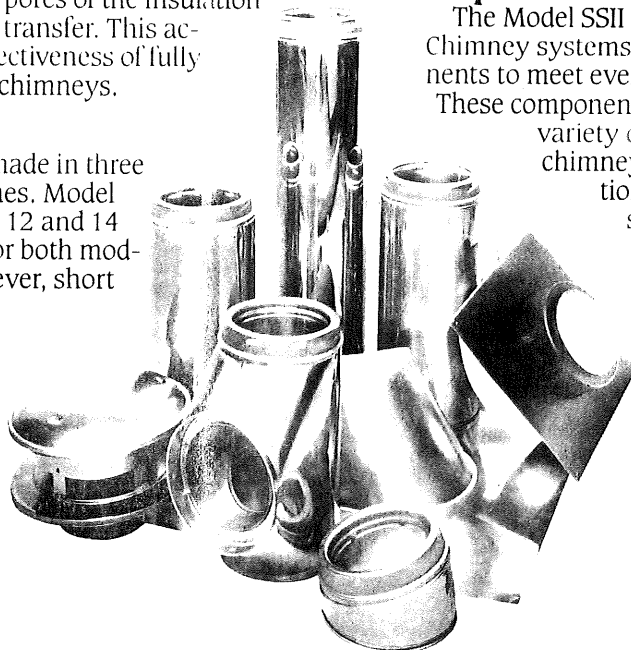
lengths are available for tight corners in special situations. A table is provided, both in this catalog and packaged together with pipe lengths, to show how desired chimney heights can be reached by intermixing 18 and 36 inch lengths. Elbow and tee fittings are also offered to solve problems of offsets and wall penetrations where the roof opening does not line up with the vertical chimney, or the chimney must be on the other side of a wall.

Installation Ease

A Model SSII Type HT or Model SSII Chimney system can easily be installed by one man. The lightweight pipe with threaded internal couplers locks together in seconds with a 1/8 turn. Locking Bands are furnished with every pipe length to assure complete joint security during cleaning or where the chimney must be sloped between offsets. Only a screwdriver is needed—to tighten the Locking Band—for normal pipe assembly. A further advantage is that the pipe can be quickly taken apart without damage to the joints and can be reinstalled as easily as the first time. All parts and accessories have been designed for the most simple step-by-step installation. Complete detailed installation instructions are furnished with all major support packages.

A System to Satisfy Any Installation Requirement

The Model SSII Type HT and Model SSII Chimney systems include a variety of components to meet every installation requirement. These components may be combined in a wide variety of ways to solve almost any chimney installation problem. For additional information on part selection, refer to the guide pages and diagrams at the back of this catalog.



6T-9" \$50.25 6T-3" \$41.75 6T-36" \$113.15
 6T-6" \$46.50 6T-18" \$63.60

SSII TYPE HT CHIMNEY KITS

For simple installations, Selkirk Metalbestos offers three basic Chimney Kits, each designed around one of the standard support systems. Select the kit that is right for your installation (flat ceiling, cathedral or pitched ceiling or wall supported) and with the addition of the required insulated pipe sections you'll have most of the standard parts required to complete your installation. Model DS Smoke Pipe or Single Wall Stove Pipe can be connected to any of these chimney kits.

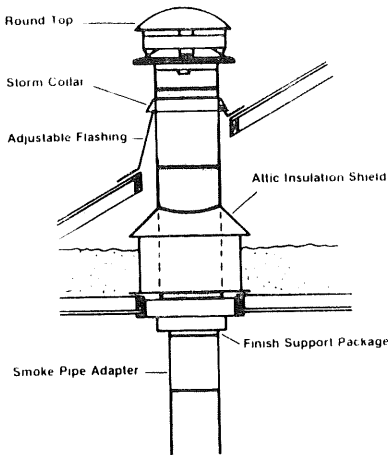
Flat Ceiling Support Kit (FCK)

Provides the support package and termination parts for a chimney that is supported by a flat ceiling and that passes through an attic area and penetrates the roof.

Contents:

- Round Top
- Storm Collar
- Adjustable Flashing
- Attic Insulation Shield
- Finish Support Package
- Smoke Pipe Adapter

- CT 7"
- SC 9 30
- AF-6 13 95
- AIS 9 80
- FSP 56 40
- DSAC 52 90



With the addition of required Insulated Pipe Lengths, the Flat Ceiling Support Kit (FCK) has all necessary parts for complete installation. However, depending upon your roof design and the position of your chimney on the roof, it may be necessary to install a Roof Brace Kit to provide required support for your chimney above the roof.

An Attic Insulation Shield is a required part of the installation even if you have no insulation in the area where your chimney passes through the attic. The only exception to this AIS installation is if you install a full enclosure around the chimney in the attic area at 2" clearance.

Pitched Ceiling Support Kit (PCK)

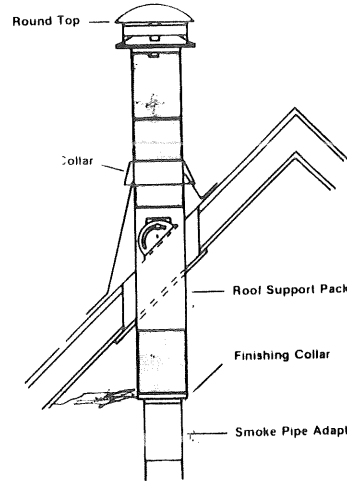
For installation of a chimney in a cathedral or pitched ceiling such as standard A-Frame construction.

Contents:

- Round Top
- Storm Collar
- Roof Support Package
- Smoke Pipe Adapter
- Finishing Collar

- CT
- SC
- RSP
- DSAC
- FC

The Pitched Ceiling Support Kit provides all necessary parts for a complete installation with the exception of the required



- 7"
- CT 73 95
- SC 9 30
- RSP 110 00
- DSAC 51 85
- FC 14 35

- 8"
- CT 99 30
- SC 11 30
- RSP 118 75
- DSA 52 95
- FC 16 55

Insulated Pipe Lengths, an Adjustable Flashing (AF) and a Pitched Ceiling Plate (PCP). Selection of the Adjustable Flashing and the Pitched Ceiling Plate is determined by the pitch of your roof and ceiling as explained on page 11. You can purchase these parts from your Selkirk Metalbestos dealer at the time you order your chimney kit.

In calculating the number of Insulated Pipe Lengths your chimney run requires, note that the Roof Support Package (RSP) comes with one 18" pipe length as part of the support.

Thru-the-Wall Support Kit (TWK)

For a wall-supported chimney system with a horizontal connector passing through an exterior wall, connecting to a vertically up the exterior wall to termination

- 6"
- CT 54 15
- WB 21 15
- IT 159 85
- SC 11 30
- WSK 60 44
- WS 9 10
- AIS 65 15
- TC 24 00
- FSP 78 10
- FC 11 95
- DSAC 52 95
- DSAC 47 30

Contents:

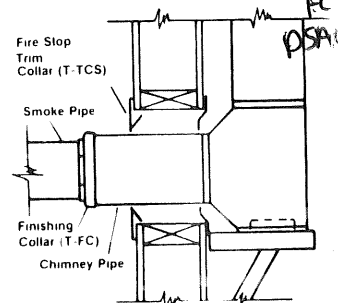
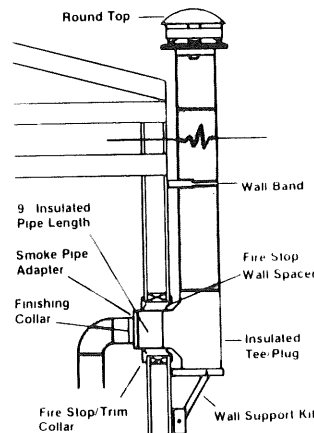
- Round Top
- Wall Band
- Insulated Tee-Plug
- Support Kit
- Top/Wall Spacer
- Insulated Pipe Length
- Top/Trim Collar
- Finishing Collar
- Smoke Pipe Adapter

- 7"
- CT 73 95
- WB 24 80
- IT 209 80
- WSK 75 25
- TC 28 10
- FC 14 35
- DSAC 51 85

The Thru-the-Wall Support Kit provides all necessary parts for a complete installation with the exception of required Insulated Pipe Lengths to reach your desired chimney height.

One Wall Band (WB) is included in the kit. Additional Wall Bands could be required if your vertical chimney run is more than 16 feet high.

In the event that your vertical chimney run penetrates the roof eave, your installation could also require an Adjustable Flashing (AF) and Storm Collar (SC).



- 6"
- CT 54 15
- SC 8 70
- RSP 97 30
- DSA 47 30
- FC 11 95

- 8"
- CT
- WB
- IT
- WSK
- T
- FC
- DSA

CHIMNEY PARTS GUIDE

The following section offers pictorial references, specifications and a brief description of major components to aid in the design of a Model SSII Type HT or Model SSII Chimney System.

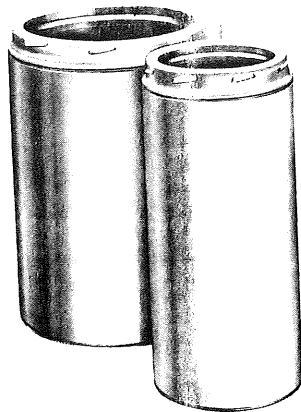
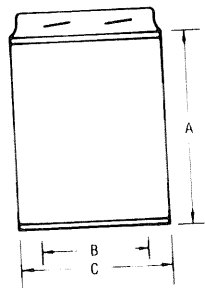
READ AND FOLLOW THE INSTALLATION INSTRUCTIONS WHEN INSTALLING ANY CHIMNEY SYSTEM.

For special parts and accessories not shown in this Catalog, consult your FBC Price Sheet or contact your nearest Selkirk Metalbestos representative.

In reviewing parts specifications, note that Model SSII Type HT is available in 6", 7" and 8" sizes identified by the letter "T". Model SSII systems are available in 10", 12" and 14" sizes identified by the letter "S".

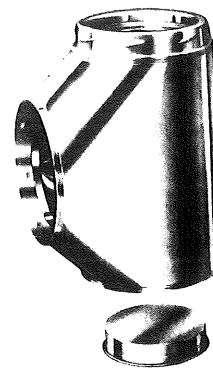
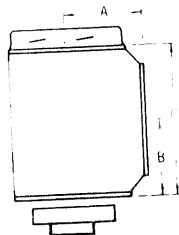
Insulated Pipe

Model SSII Type HT and Model SSII pipe with six diameter sizes is produced in standard 18" and 36" lengths. Shorter insulated pipe sections (3", 6" and 9" net lengths) are available for use as insulated tee snout extensions or where small lengths are needed. The various lengths can be intermixed to attain virtually any height. The installed length per section of 18" pipe is 16-3/4". The installed length of 36" pipe is 35-5/16".



Insulated Tee

The insulated Chimney Tee may be used to start chimneys indoors or outdoors using a Wall Support assembly or a masonry pier. A length of insulated chimney pipe is attached to the Tee snout, using a Locking Band, to pass safely through combustible walls. An Insulated Tee Cap is included which can be removed from bottom opening for inspection and cleanout. Maximum height of chimney which can be supported by an Insulated Tee is 50 feet.



Model SSII Type HT			
Part No.	A	B	C
6T-IT	6 3/8"	6 3/8"	12 3/4"
7T-IT	6 7/8"	6 7/8"	13 3/4"
8T-IT	7 3/8"	7 3/8"	14 3/4"
Model SSII			
Part No.	A	B	C
10S-IT	8 3/8"	8 3/8"	16 3/4"
12S-IT	9 3/8"	9 3/8"	18 3/4"
14S-IT	10 3/8"	10 3/8"	20 3/4"

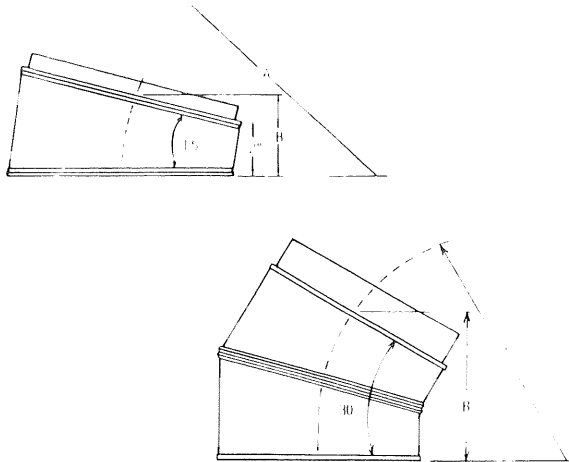
Model SSII Type HT			
PART NO.	6T-	7T-	8T
Overall Length	4 1/4 7 1/4 10 1/4 18 36 3/16	4 1/4 7 1/4 10 1/4 18 36 3/16	4 1/4 7 1/4 10 1/4 18 36 3/16
a. Length installed (in.)	3 6 9 16 3/4 35 5/16	3 6 9 16 3/4 35 5/16	3 6 9 16 3/4 35 5/16
b. Inside diameter (in.)	6	7	8
c. Outside diameter (in.)	8	9	10
Approx. weight per installed foot (lbs.)	5.8	6.7	7.5
Minimum installed floor space (sq. ft.)	1.0	1.2	1.4
Model SSII			
PART NO.	10S-	12S-	14S-
Overall length	4 1/4 7 1/4 10 1/4 18 36 3/16	4 1/4 7 1/4 10 1/4 18 36 3/16	4 1/4 7 1/4 10 1/4 18 36 3/16
a. Length installed (in.)	3 6 9 16 3/4 35 5/16	3 6 9 16 3/4 35 5/16	3 6 9 16 3/4 35 5/16
b. Inside diameter (in.)	10	12	14
c. Outside diameter (in.)	12	14	16
Approx. weight per installed foot (lbs.)	9.8	11.9	14.0
Minimum installed floor space (sq. ft.)	1.8	2.25	2.8

Note:

1. All insulated pipe lengths are furnished with Locking Bands.

2. For coal burning applications, Model SSII sizes are available with Type 316 stainless steel.

15°/30° Insulated Elbows

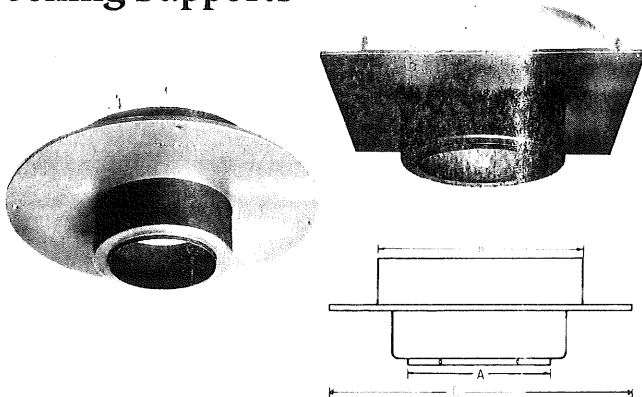


15° Insulated Elbows can be used for fixed offsets of 15° slope or in pairs for offsets adjustable from zero degrees to 30 degrees slope. The 30° Insulated Elbow in 6", 7" and 8" sizes can be used for fixed offsets of 30 degrees slope. Greater angles are prohibited by UL Standard 103 and by the terms of the product listing.

Locking Bands (one package with each elbow) allow 360 degree rotation and lock the components together in place at the exact offset required. Insulated Elbows can be used at the same two-inch air space clearance as chimney sections.

	Part No.	A	B
MODEL SSII TYPE HT 15° EL	6T-EL15	11 ⁵ / ₈ "	3 ¹ / ₁₆ "
	7T-EL15	12 ¹ / ₂ "	3 ³ / ₁₆ "
	8T-EL15	12 ⁵ / ₈ "	3 ⁵ / ₁₆ "
MODEL SSII 15° EL	10S-EL15	13 ⁵ / ₈ "	3 ⁹ / ₁₆ "
	12S-EL15	14 ⁵ / ₈ "	3 ¹³ / ₁₆ "
	14S-EL15	15 ⁵ / ₈ "	4 ¹ / ₈ "
MODEL SSII TYPE HT 30° EL	6T-EL30	12 ¹ / ₂ "	6 ¹ / ₄ "
	7T-EL30	13 ³ / ₄ "	7"
	8T-EL30	14 ³ / ₄ "	7 ³ / ₈ "

Ceiling Supports



The Finish Ceiling Support (FSP) in 6", 7" and 8" sizes, is finished in matte black and is available with either a round or square trim plate.

The Ceiling Support (CSP) in sizes 10", 12" and 14", is unpainted and comes with a square trim plate only.

With proper framing, all ceiling supports assure at least 2" minimum clearance to combustibles at the support level and can carry up to 50 feet of vertical chimney height.

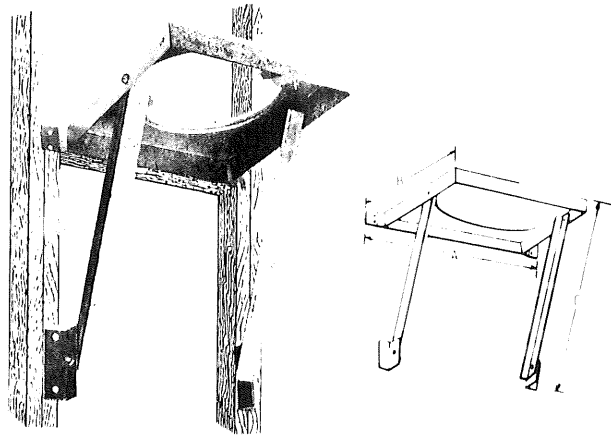
	Part No.	A O.D.	B Framing Dimen.	C Sq. Plate Dimen.	C Rnd. Plate Dimen.
MODEL SSII TYPE HT	6T-FSP*	6 ¹ / ₄ "	12 ¹ / ₄ " × 12 ¹ / ₄ "	14 ¹ / ₄ "	19"
	7T-FSP*	7 ¹ / ₄ "	13 ¹ / ₄ " × 13 ¹ / ₄ "	15 ¹ / ₄ "	21"
	8T-FSP*	8 ¹ / ₄ "	14 ¹ / ₄ " × 14 ¹ / ₄ "	16 ¹ / ₄ "	22"

*Part No. T-FSP is square type trim plate

*Part No. T-FSPR is round type trim plate

	Part No.	A Outside Diameter	B Framing Dimensions	C Plate Dimension
MODEL SSII	10S-CSP	10 ¹ / ₄ "	16 ¹ / ₄ " × 16 ¹ / ₄ "	18 ¹ / ₂ "
	12S-CSP	12 ¹ / ₄ "	18 ¹ / ₄ " × 18 ¹ / ₄ "	20 ¹ / ₂ "
	14S-CSP	14 ¹ / ₄ "	20 ¹ / ₄ " × 20 ¹ / ₄ "	22 ¹ / ₂ "

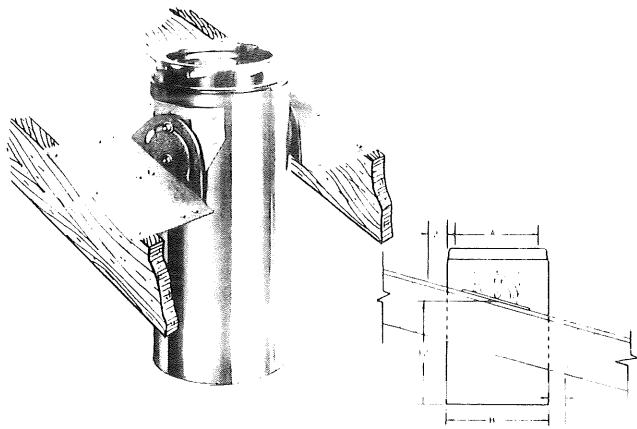
Wall Support Kit



The Type HT Wall Support Kit has been tested for use fully enclosed and has been designed in 6, 7 and 8 inch sizes to carry up to 50 feet of height. The capacity of the larger sizes 10, 12 and 14 inches is 40 feet of chimney. The Wall Support is intended for use with the Insulated Tee as an interior or exterior support where the chimney has a lateral connection. It is also useful where the pipe connection passes through a combustible interior or exterior wall. Braces may only be fastened to the wall below the plate for chimneys which penetrate through the wall.

	Part No.	A	B	C
MODEL SSII TYPE HT	6T-WSK	13"	10 ¹ / ₂ "	17"
	7T-WSK	14"	11 ¹ / ₂ "	17"
	8T-WSK	15"	12 ¹ / ₂ "	17"
MODEL SSII	10S-WSK	17"	14 ¹ / ₂ "	21"
	12S-WSK	19"	16 ¹ / ₂ "	23"
	14S-WSK	21"	18 ¹ / ₂ "	27"

Roof Support



An ideal support assembly for freestanding fireplaces and open cathedral ceiling installations. Fits all roof pitches and requires only simple framing. Mounts easily on to top of roof through opening that allows 2-inch clearance. Maximum length of chimney which can be suspended below is 20 feet. Maximum total length is 30 feet.

The Roof Support Package (RSP) contains one 18" length of pipe, roof brackets and necessary hardware.

The roof brackets and hardware may be purchased without the pipe section by ordering a Roof Support Kit (RSK). The brackets may be assembled to any standard pipe length at any desired height.

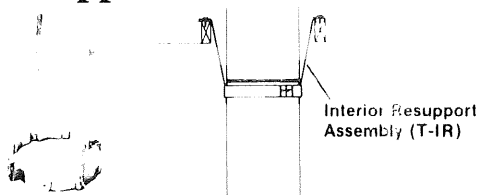
Locking bands must be used at each pipe joint when installing either the RSP or RSK.

NOTE: Framing dimension for the installation of the RSK is identical to the RSP dimension.

	Part No.	A	B	Framing
MODEL SSII TYPE HT	6T-RSP	6"	8"	12" x †"
	7T-RSP	7"	9"	15" x †"
	8T-RSP	8"	10"	14" x †"
MODEL SSII	10S-RSP	10"	12"	16" x †"
	12S-RSP	12"	14"	18" x †"
	14S-RSP	14"	16"	20" x †"

*See Flashing Table for Appropriate Flashings
†Dimension varies depending on pitch of roof.

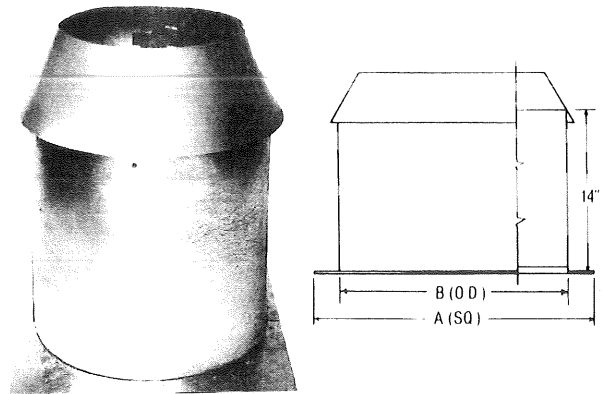
Interior Resupport



Interior resupport assembly allows for two different methods of chimney resupport. The first method is used when an immediate section of chimney above the upper offset passes through a joist area. With the appropriate Fire Stop/Wall Spacer (WS) in place, clamp the support band around chimney and attach with six sheet metal screws. The second means of support is used primarily when the immediate sections of the upper offset do not pass through a joist area and resupport is necessary. The Support Band is clamped around the chimney immediately below a Locking Band. In both methods, the straps are nailed to suitable framing at two inch clearance. The 18 foot limit of supportable chimney length applies.

Part No.: 6T-IR, 7T-IR, 8T-IR, 10S-IR, 12S-IR, 14S-IR

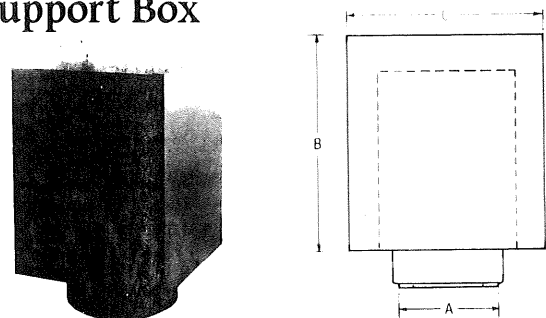
Attic Insulation Shield



Used wherever a Ceiling Support, Finish Support, or Fire Stop is installed below an open attic. The Insulation Shield is required to guard against the hazard of blown-in or blanket insulation filling any framed opening or contacting the chimney and possible storage of combustibles against the chimney. Adaptable design usable for new and retrofit installations. Half cylinder passes easily through ceiling openings between 16" O.C. joists. Part can be removed without cutting if attic is converted to habitable space and chimney is fully enclosed. Readily trimmed for reduced height installation close to eaves.

	Part No.	A	B
MODEL SSII TYPE HT	6T-AIS	16" x 16"	12"
	7T-AIS	16" x 16"	13"
	8T-AIS	16" x 16"	14"
MODEL SSII	10S-AIS	18" x 18"	16"
	12S-AIS	20" x 20"	18"
	14S-AIS	22" x 22"	20"

Support Box

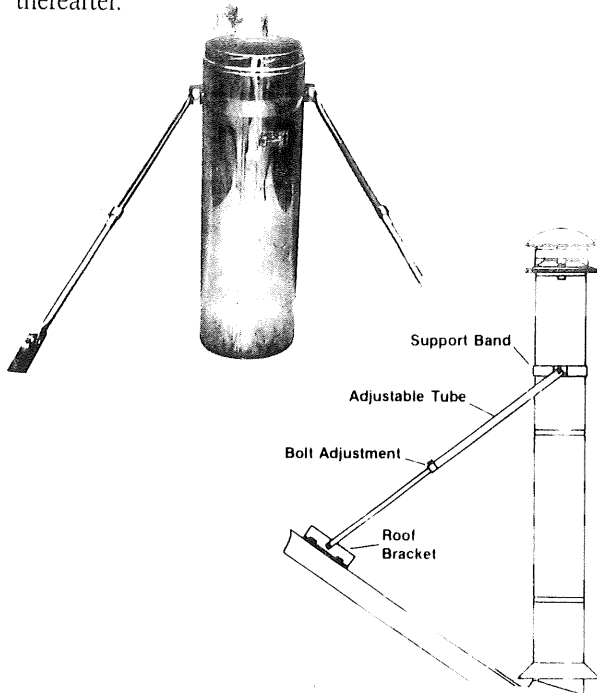


The Support Box is intended for use when installing a Model SSII chimney in an A-frame, in a mobile home, or in a ceiling under a narrow section of roof. It provides a finished installation at a ceiling level and will support up to 20' of 6", 7" or 8" diameter chimney. The part also can be used to provide shielding from insulation when installed in an unoccupied attic space. The Support Box assembly is comprised of a black box designed for installation inside 16" O.C. joists, a cylindrical shield, support bucket, ceiling trim, and four screws.

Part No.	A	B	C
6T-SB	6 1/4"	24"	14 1/4"
7T-SB	7 1/4"	24"	14 1/4"
8T-SB	8 1/4"	24"	14 1/4"

Roof Brace Kit

A Roof Brace Kit can be used whenever there is a need to stabilize the chimney above the roof level. The purpose of the bracing is to hold the chimney against wind load; and to prevent damage from static and sliding snow. Up to 4' above the roof requires no bracing. From 5' to 10' above the roof one T-RBK should be used, at a midpoint on the chimney. Over 10' use one RBK 4' from the roof and one RBK every 5' thereafter.

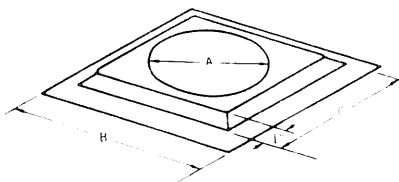


	Part No.
MODEL SSII TYPE HT	6T-RBK
	7T-RBK
	8T-RBK

Fire Stop/Wall Spacer

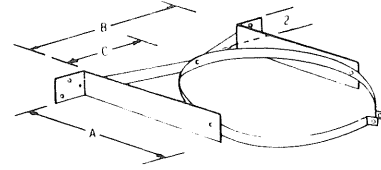
The dished, galvanized Fire Stop/Wall Spacer is required wherever the chimney passes through combustible floors or ceilings. It is also used on outside walls where a Wall Support Kit and Insulated Tee is used without an enclosure. The Fire Stop/Wall Spacer closes the gap around the chimney pipe and the framed opening.

	Part No.	A	B	C (Frame)
MODEL SSII TYPE HT	6T-WS	8 1/8"	14"	12" x 12"
	7T-WS	9 1/8"	15"	13" x 13"
	8T-WS	10 1/8"	16"	14" x 14"
MODEL SSII	10S-WS	12 1/8"	18"	16" x 16"
	12S-WS	14 1/8"	20"	18" x 18"
	14S-WS	16 1/8"	22"	20" x 20"



Wall Band

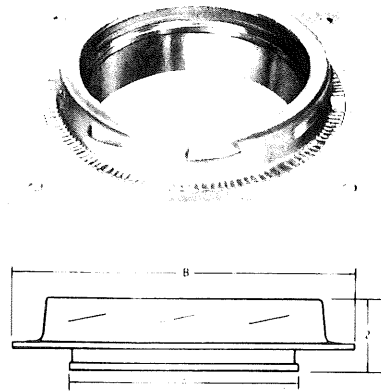
The Wall Band is used along wall to provide for 2-inch clearance and assure stability. Also useful for suspending offsets. Required at 8 foot or closer intervals to stabilize the chimney, wherever it is supported along a vertical wall.



	Part No.	A	B	C
MODEL SSII TYPE HT	6T-WB	6"	8"	4"
	7T-WB	6 1/2"	9"	4 1/2"
	8T-WB	7"	10"	5"
MODEL SSII	10S-WB	8"	12"	6"
	12S-WB	9"	14"	7"
	14S-WB	10"	16"	8"

Anchor Plate

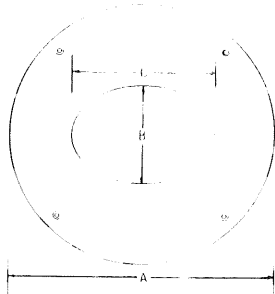
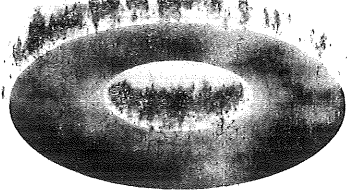
The Anchor Plate provides a secure attachment for chimney to smoke chamber outlet on masonry fireplaces. Stainless steel and heavy gauge steel construction for long life. Retains chimney with a twist-lock connection. Allows the use of a lightweight Model SSII Type HT or Model SSII Chimney on standard masonry fireplace, reducing footing loads and speeding construction.



	Part No.	A	B
MODEL SSII TYPE HT	6T-AP	6"	9 1/4"
	7T-AP	7"	10 1/4"
	8T-AP	8"	11 1/4"
MODEL SSII	10S-AP	10"	13 1/4"
	12S-AP	12"	15 1/4"
	14S-AP	14"	17 1/4"

Pitched Ceiling Plate

The Pitched Ceiling Plate provides a finished appearance where the chimney passes through sloped ceiling, available in various pitches from flat to 10/12. Available in black finish.



	Chimney Size	PITCH 0 to 2/12	PITCH 4/12	PITCH 6/12
		Part No.	Part No.	Part No.
MODEL SSII TYPE HT	6"	6T PCP 2	6T PCP 4	6T PCP 6
	7"	7T PCP 2	7T PCP 4	7T PCP 6
	8"	8T PCP 2	8T PCP 4	8T PCP 6

	Chimney Size	PITCH 8/12	PITCH 10/12
		Part No.	Part No.
MODEL SSII TYPE HT	6"	6T PCP 8	6T PCP 10
	7"	7T PCP 8	7T PCP 10
	8"	8T PCP 8	8T PCP 10

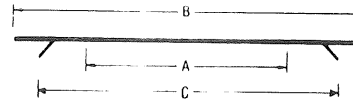
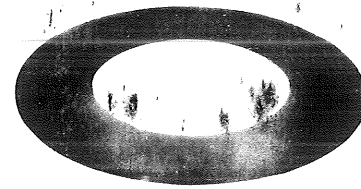
	Chimney Size	A	B	C
		MODEL SSII TYPE HT	6"	19"
	7"	21"	9 1/8"	
	8"	22"	10 1/8"	

	Chimney Size	PITCH 0 to 2/12	A	B	C
		MODEL SSII	10"	10S PCP 2	24"
	12"	12S PCP 2	27"	14 1/8"	14 1/8"
	14"	14S PCP 2	30"	16 1/8"	16 1/8"

Fire Stop/Trim Collar

The Fire Stop/Trim Collar with Spacer provides a finished appearance while centering the pipe and satisfying the requirements for firestopping where the chimney pipe passes through the combustible framing. It is required on inside walls to define the two-inch clearance needed for chimney use as a Tee extension through the wall.

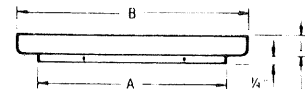
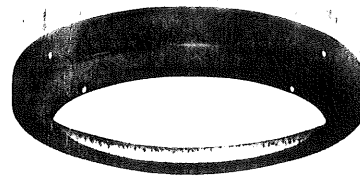
The Fire Stop/Trim Collar is finished in black matte painted to match the black finish on the appliance or connectors.



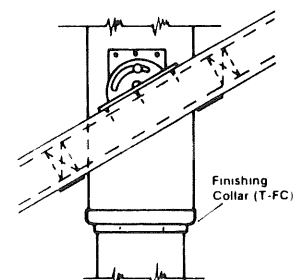
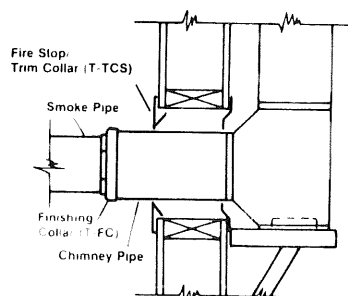
	Part No.	A	B	C
MODEL SSII TYPE HT	6T-TCS	8 1/8"	19"	12"
	7T-TCS	9 1/8"	21"	13"
	8T-TCS	10 1/8"	22"	14"
MODEL SSII	10S-TCS	12 1/8"	24"	16"
	12S-TCS	14 1/8"	27"	18"
	14S-TCS	16 1/8"	30"	20"

Finishing Collar

Round collar fits over lower end of suspended insulated chimney pipe to provide finished appearance. Available in matte black finish. Used to attach T-DSA part to lower end of chimney or to Insulated Tee.



	Part No.	A	B
MODEL SSII TYPE HT	6T-FC	6 1/4"	8"
	7T-FC	7 1/4"	9"
	8T-FC	8 1/4"	10"
MODEL SSII	10S-FC	10 1/4"	12"
	12S-FC	12 1/4"	14"
	14S-FC	14 1/4"	16"



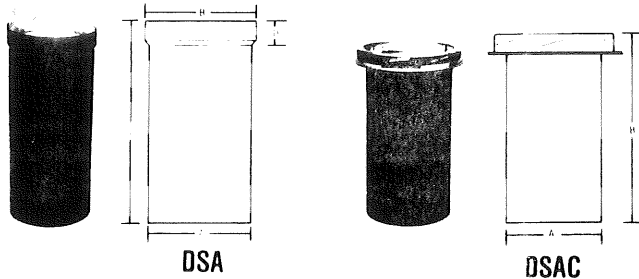
Dripless Smoke Pipe Adapters

Dripless Smoke Pipe Adapters are used to connect either Model DS Smoke Pipe or single wall stove pipe to Model SSII Type HT insulated chimney pipe. The part is designed to slip inside single wall stove pipe to contain any creosote dripping down the chimney on the inside of the pipe system.

There are two Dripless Smoke Pipe Adapters:

Dripless Smoke Pipe Adapter (DSA)—For use in retrofit installations, this part can be installed from below with a Finish Support Package and secured with screws.

Dripless Smoke Pipe Adapter w/ Coupler (DSAC)—For use in new installations, this part can be installed by twist-locking the coupler on the DSAC into the first section of Model SSII Type HT chimney pipe.

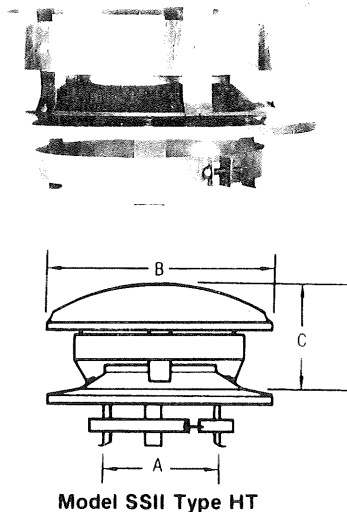


	Part No.	A	B	C	D
MODEL SSII TYPE HT	6T-DSA	5.940"	6.210"	15.75"	1.625"
	7T-DSA	6.940"	7.210"	15.75"	1.625"
	8T-DSA	7.940"	8.210"	15.75"	1.625"

	Part No.	A	B
MODEL SSII TYPE HT	6T-DSAC	5.940"	15.75"
	7T-DSAC	6.940"	15.75"
	8T-DSAC	7.940"	15.75"

Round Top

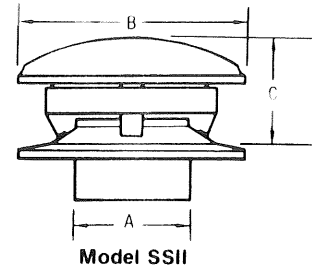
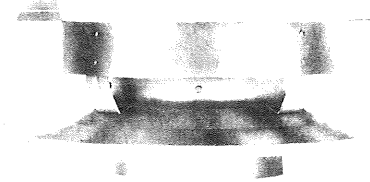
Part of the chimney system roof assembly, the Round Top is designed with a dome to exclude rain and leaves and a lower skirt to deflect wind for proper chimney draft.



Model SSII Type HT

In the Model SSII Type HT (6", 7" and 8" sizes) the Round Top part is designed with three legs that slide down over the

outside of the chimney. A cinch band is then positioned over the legs and tightened to hold the top firmly in place.



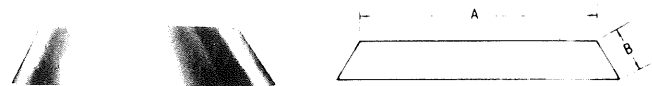
Model SSII

In the Model SSII (10", 12" and 14" sizes) the Round Top is designed with a squeeze collar that fits inside the chimney pipe. The squeeze collar expands as a set screw is tightened to hold the top firmly in place.

	Part No.	A	B	C
MODEL SSII TYPE HT	6T-CT	8"	12"	5 1/2"
	7T-CT	9"	14"	6 3/4"
	8T-CT	10"	16"	7"
MODEL SSII	10S-CT	10"	20"	8 1/2"
	12S-CT	12"	24"	10"
	14S-CT	14"	28"	11 1/2"

Storm Collar

The Storm Collar is designed to fit on the round chimney pipe just above the roof flashing. The upper edge of the Storm Collar should be waterproofed with plastic sealer to prevent any water from leaking between the Storm Collar and chimney pipe. Part is tightened with screws or tabs after proper positioning.



	Part No.	A	B
MODEL SSII TYPE HT	6T-SC	8"	5 1/2"
	7T-SC	9"	5 1/2"
	8T-SC	10"	5 1/2"
MODEL SSII	10S-SC	12"	5 1/2"
	12S-SC	14"	5 1/2"
	14S-SC	16"	5 1/2"

FLASHINGS

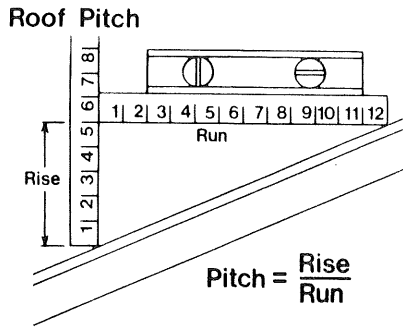
Models for Various Roof Pitches

Flashings are used to seal the opening where the chimney penetrates the roof and to divert rain and snow down from the roof and away from the chimney system.

A series of adjustable flashings are available depending on your roof pitch. A flat and low pitch flashing is used to seal flat and low pitch roof (up to 2/12 pitch) openings.

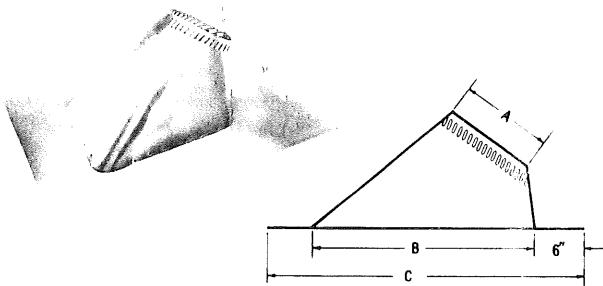
Roof Pitch	6", 7", 8" (T)	10", 12", 14" (S)
2/12 to 6/12	T-AF6	S-AF6
6/12 to 12/12	T-AF12	S-AF12
12/12 to 24/12	T-AF24	
24/12 to 36/12	T-AF36	

All flashings can be used with Roof Support Kit.



To determine your roof pitch, measure the number of inches from the end of a level ruler down to the roof. This is the rise for 12" of run. A rise of 5" is a 5/12 pitch. . . 4" a 4/12 pitch, etc.

Adjustable Flashing

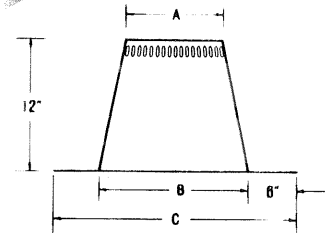
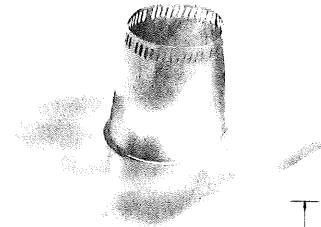


2/12 To 6/12 Pitch				
	Part No.	A	B	C
MODEL SSII TYPE HT	6TAF-6	8 1/8"	16 1/2"	28 1/2"
	7TAF-6	9 1/8"	16 1/2"	28 1/2"
	8TAF-6	10 1/8"	19 7/8"	31 7/8"
6/12 To 12/12 Pitch				
	Part No.	A	B	C
MODEL SSII TYPE HT	6TAF-12	8 1/8"	19 7/8"	31 7/8"
	7TAF-12	9 1/8"	19 7/8"	31 7/8"
	8TAF-12	10 1/8"	19 7/8"	31 7/8"

12/12 To 24/12 Pitch				
	Part No.	A	B	C
MODEL SSII TYPE HT	6TAF-24	8 1/8"	28 3/4"	40 3/4"
	7TAF-24	9 1/8"	31 1/4"	43 1/4"
	8TAF-24	10 1/8"	33 3/8"	45 3/8"
24/12 To 36/12 Pitch				
	Part No.	A	B	C
MODEL SSII TYPE HT	6TAF-36	8 1/8"	41 1/4"	53 1/4"
	7TAF-36	9 1/8"	44 1/8"	56 1/4"
	8TAF-36	10 1/8"	47 3/4"	59 3/4"

2/12 To 6/12 Pitch				
	Part No.	A	B	C
MODEL SSII	10SAF-6	12 1/8"	19 7/8"	31 7/8"
	12SAF-6	14 1/8"	19 7/8"	36 3/8"
	14SAF-6	16 1/8"	19 7/8"	36 3/8"
6/12 To 12/12 Pitch				
	Part No.	A	B	C
MODEL SSII	10SAF-12	12 1/8"	25 1/2"	37 1/2"
	12SAF-12	14 1/8"	28 1/2"	40 1/2"
	14SAF-12	16 1/8"	31 1/2"	43 1/2"

Flat and Low Pitch Flashing (0 To 2/12 Pitch)



0 To 2/12 Pitch				
	Part No.	A	B	C
MODEL SSII TYPE HT	6T-TF	8 1/8"	12"	24"
	7T-TF	9 1/8"	15 3/4"	27 3/4"
	8T-TF	10 1/8"	15 3/4"	27 3/4"
0 To 2/12 Pitch				
	Part No.	A	B	C
MODEL SSII	10S-TF	12 1/8"	17 3/4"	29 3/4"
	12S-TF	14 1/8"	20"	32"
	14S-TF	16 1/8"	22 1/4"	34 1/4"

Note: All TF flashings come with a roof shield set.

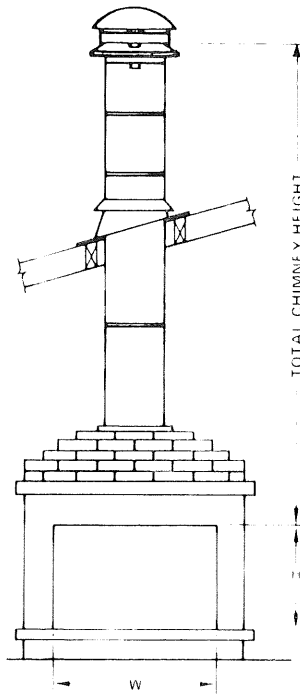
SPECIFICATION DATA

Pipe Length Selector Chart

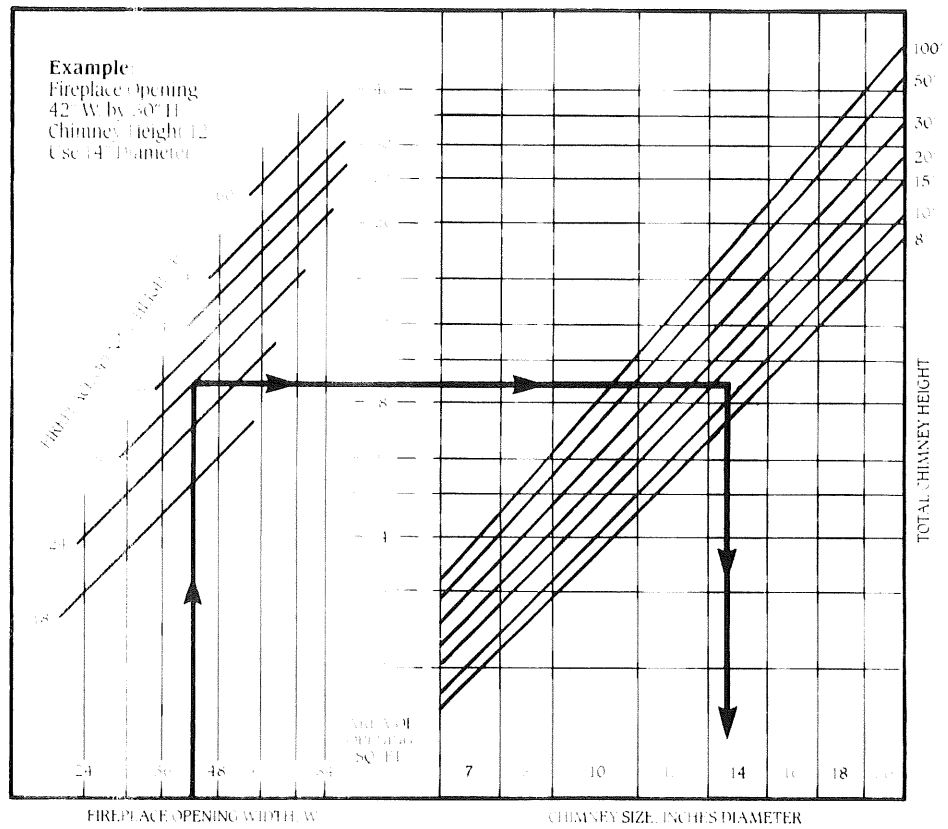
Exact Length		Number of Chimney Sections		
Ft. In.	Inches	9"	18"	36"
	10 ¹ / ₄	1		
1' 6"	18		1	
2' 3"	27	1	1	
3' ⁹ / ₁₆	36 ⁹ / ₁₆			1
3' 9 ⁹ / ₁₆	45 ⁹ / ₁₆	1		1
4' 5 ⁵ / ₁₆	53 ⁵ / ₁₆		1	1
5' 2 ⁵ / ₁₆	62 ⁵ / ₁₆	1	1	1
5' 11 ⁷ / ₈	71 ⁷ / ₈			2
6' 8 ⁷ / ₈	80 ⁷ / ₈	1		2
7' 4 ⁵ / ₈	88 ⁵ / ₈		1	2
8' 1 ⁵ / ₈	97 ⁵ / ₈	1	1	2
8' 11 ³ / ₁₆	107 ³ / ₁₆			3

Exact Length		Number of Chimney Sections		
Ft. In.	Inches	9"	18"	36"
9' 8 ¹ / ₈	116 ¹ / ₈	1		3
10' 3 ¹⁵ / ₁₆	123 ¹⁵ / ₁₆		1	3
11' 10 ¹ / ₂	142 ¹ / ₂			4
13' 3 ³ / ₄	159 ³ / ₄		1	4
14' 9 ¹ / ₂	177 ¹ / ₂			5
16' 2 ¹ / ₁₆	194 ¹ / ₁₆		1	5
17' 9 ³ / ₈	213 ³ / ₈			6
19' 1 ⁷ / ₈	229 ⁷ / ₈		1	6
20' 8 ⁷ / ₁₆	248 ⁷ / ₁₆			7
22' 1 ³ / ₁₆	265 ³ / ₁₆		1	7
23' 7 ³ / ₄	283 ³ / ₄			8
25' ¹ / ₂	300 ¹ / ₂	1		8

Fireplace Chimney Sizing Chart



NOTE
CHIMNEY OFFSETS (5 & 2 90° TURNS)
REQUIRE 50% EXTRA HEIGHT OR ONE
SIZE LARGER PIPE



Chimney Sizing for Woodburning Stoves and Room Heaters

Use the stove outlet size or follow the instructions furnished with the appliance.

COMMON CHIMNEY INSTALLATIONS

Short or tall, large or small, there is a Selkirk Metalbestos Chimney system to suit every need or appliance. The following diagrams are intended as a guide to proper part selection for several common chimney installations. Keep in mind that these diagrams do not show the exact details for installation of the various chimney parts. They supplement the instructions, however, by illustrating a wider variety of complete chimney systems. While the primary emphasis in the diagrams is on solid-fuel appliances, the type of appliance originally selected must never affect the installation of the chimney.

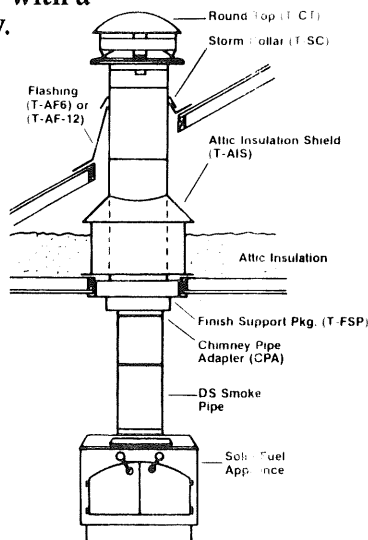
Whether the chimney is initially connected to a gas, oil, or wood-burning appliance, the parts used and clearances to combustibles are always the same. Remember that at some future time, the same chimney may serve a wood furnace, even if it started out with gas or oil.

Many more possibilities for chimney systems exist than those shown here. Whether or not you find your exact planned chimney arrangement here, remember these basic rules—which are also emphasized in the Installation Instructions:

1. Use proper support and bracing—for the entire system.
2. Maintain the minimum 2-inch AIR SPACE clearance to combustibles and to any insulation.
3. For joint security—use Locking Bands or screws for the chimney and its connector.
4. Enclose or protect the chimney to avoid contact, damage or hazards to furnishings.
5. Use only appliances which have been tested, "Listed" (or approved and inspected), and follow their instructions in every detail for your own protection.

Ideas For Your Chimney Installation

1. Solid Fuel Appliance—with a short vertical chimney.



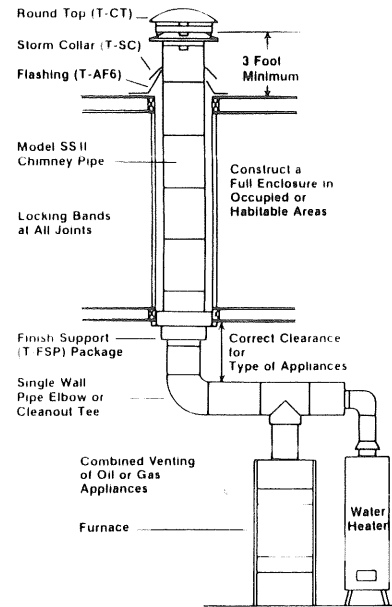
*Note:

The drawings shown of these installations are solely for assistance in product selection. Reference should be made to the Model SSII Installation Instructions for full and exact details of a correct installation.

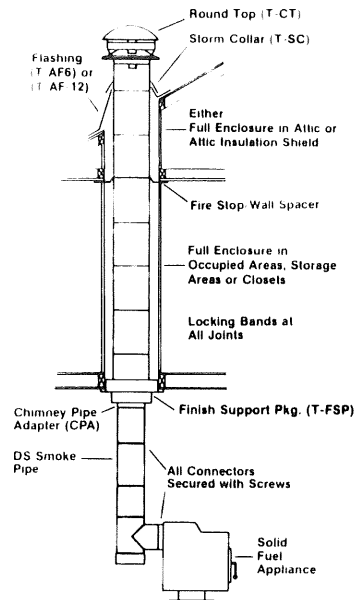
NOTE ON CHIMNEY/SMOKE PIPE CONNECTIONS

Most diagrams on Pages 13 and 14 show Model SSII Chimney systems connected to Selkirk Metalbestos double wall smoke pipe using the Model DS Chimney Pipe Adapter part (see page 15). Model SSII Chimneys may be connected to single wall stove pipe using the Dripless Smoke Pipe Adapters (see page 10).

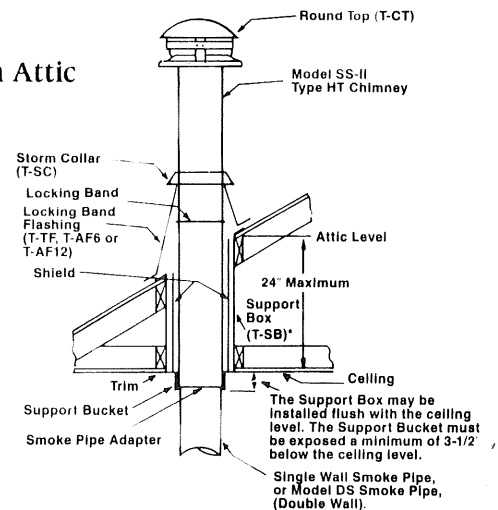
2. Combination of Furnace and Water Heater on one chimney.



3. Wood Heater, with its chimney through an upstairs enclosure.

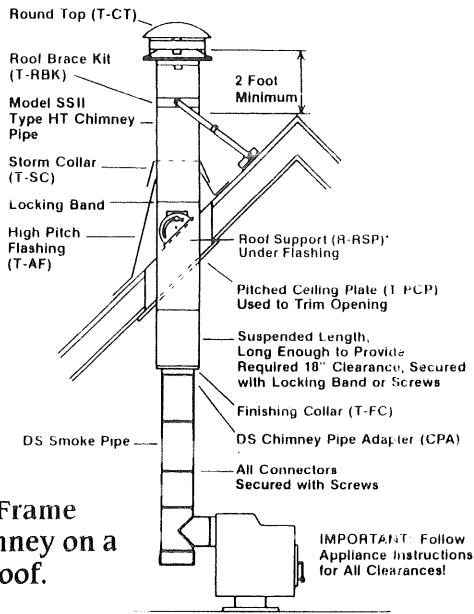


4. Pitched Roof with Attic



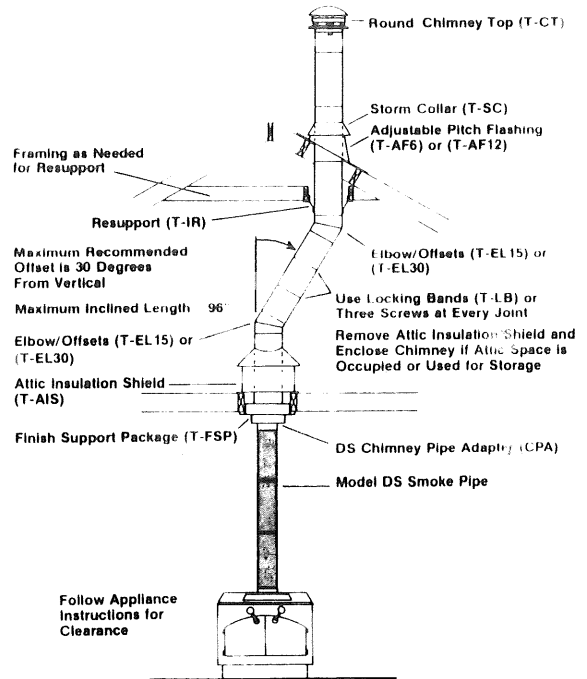
Support box also intended for use in mobile home and A-frame installations

5. Vacation A-Frame with its chimney on a steep pitch roof.

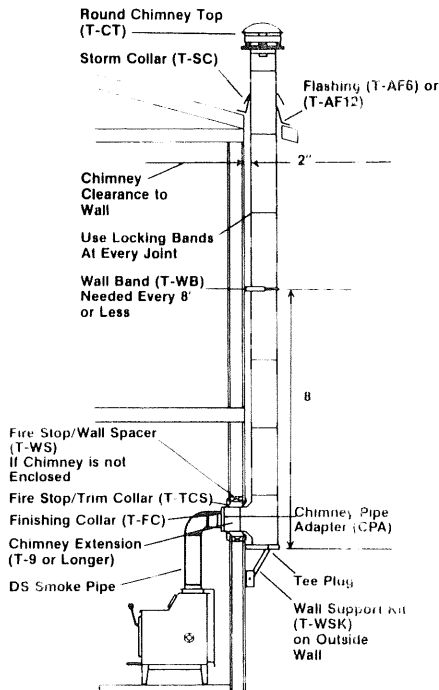


* Support box may also be used. Please consult installation instructions for more information.

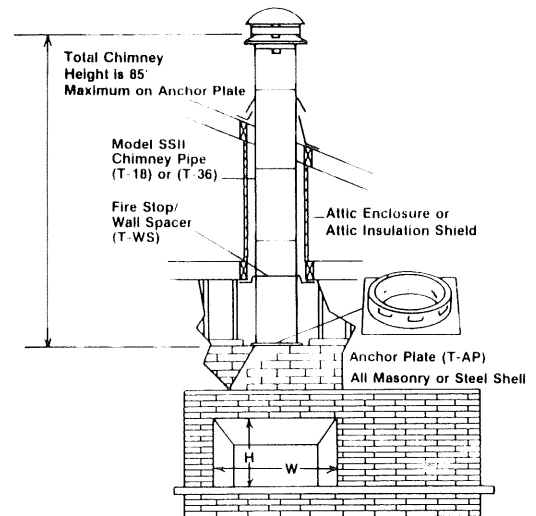
7. Wood Stove—with chimney offset to avoid ridge.



6. Basement Heater, with Tee-supported outside chimney.



8. Masonry Fireplace using a Model SSII Chimney.



NOTE ON CHIMNEY/SMOKE PIPE CONNECTIONS
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IMPORTANT NOTICE

Selkirk Metalbestos chimneys are the most widely used of their kind in the world. Their development into a successful world class line of chimney is derived from an ideal blend of product quality, ease of installation and marketing service. Though recognized for outstanding performance, like many other products, our chimneys have their limitations. Their laboratory testing and factory inspection programs offer assurance that they will function properly as chimneys—but not as combustion chambers or fireboxes for hand fired solid fuels. Chimney abuse—by appliance overfiring, by allowing destructive creosote chimney fires, or by burning trash or unsuitable fuels can result in internal damage. These abuses may also cause fire hazards, particularly if there is a violation of clearances required for the appliance, or for its connector or for the chimney. To avoid operating problems, you should try to keep up with the state-of-the-art in wood burning. If you are using wood for the first time, go to the local book store or library for additional reading. Investigate the use of chimney temperature indicators and appliance thermostats to get improved steady heat output. If you are contemplating purchase of a solid-fuel appliance, consider the question of its size in relation to your heating requirements, where it will be placed, does it use a catalyst and so on. Catalysts can reduce smoking and creosote formation, but like similar devel-

opments of sophisticated technology, they require an appreciation of how to obtain best results and keep them working properly.

Keep in mind that even the best designed wood stoves, with the most careful operation may only delay but not eliminate some accumulation of creosote. You cannot avoid the necessity for inspection, and for mechanical cleaning if there is excessive creosote thickness . . . greater than 1/16 inch for example. At this point you should engage a professional chimney sweep. Don't risk life and limb on this operation. It takes specialized brushes, vacuums and expertise to clean a chimney without making a mess.

10-Year Limited Warranty

Selkirk Metalbestos Model SSII Chimney Systems

Selkirk Metalbestos offers customers a 10-Year Limited Warranty on all Model SSII Chimney Systems, subject to certain warranty conditions.

Consult your Model SSII dealer or Selkirk Metalbestos, Box 372, Nampa, Idaho 83653-0372 for full details.

Sales Offices

508 Grants Ferry Road
Suite D-2
Brandon, Mississippi 39042
(601) 992-2984

Suite 205
17120 Dallas Parkway
Dallas, Texas 75248
(214) 407-2622

1820 E. Fargo
P.O. Box 372
Nampa, Idaho 83653-0372
(208) 467-7411

Research and Development

HVAC Laboratory
2000 Chennault Drive
Carrollton, Texas 75006

St. Rt. 93 North & Sutto. Rd.
P.O. Drawer 957
Logan, Ohio 43138
(614) 385-5666

Manufacturing Plants

United States

1820 E. Fargo
P.O. Box 372
Nampa, Idaho 83653-0372
(208) 467-7411

St. Rt. 93 North & Sutton Rd.
P.O. Drawer 957
Logan, Ohio 43138
(614) 385-5666

Canada

130 North Augusta Road
Brockville, Ontario
Canada
K6V 5V3
(613) 342-6655

3070 Universal Drive
Mississauga, Ontario
Canada
L4X 2C8
(416) 629-2797

5675 Boulevard
des Grand Prairie
Suite 131, St. Leonard
Quebec, H1I 1B8
Canada

Europe

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Bassett House
High Street
Banstead, Surrey
England SM72LZ
011 44 7373-53388

Pottington Industrial Estate
Braunton Road
Barnstaple, Devon EX31 1L7
ENGLAND
011-44-271-22551

Mullacott Cross Industrial Estate
Ilfracombe, Devon EX34 8NY
ENGLAND
FAX: 011-44-271-66621

S.A.R.L.
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B.P. 49
60700 Pont-Sainte-Maxence,
FRANCE
011-33-4-472-01-22

Postfach 1569
Theodor-Storm Str. 6
D 5220 Waldrol/Bez
Köln, WEST GERMANY
011-49-2291-84-10

Via S. Cornelia, Km. 0800
Formello (Roma) ITALY
011-39-6-90-80-160

Warehouse

1331 Plano Parkway
Plano, TX 75074

SELKIRK METALBESTOS is the world's leading manufacturer of venting and air distribution products for residential and commercial/industrial use, with operations in the United States, Canada, the United Kingdom, France, Germany and Italy. SELKIRK METALBESTOS has been supplying the finest venting products for over 60 years.



AN **ELJER**
INDUSTRIES COMPANY

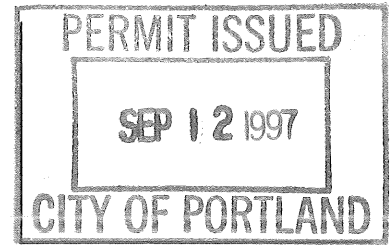
uL726

Aug. 93

930803

Energy Testing Lab
of ME

970980



APPLICATION FOR AMENDMENT TO PERMIT



Amendment No. _____

Portland, Maine, _____

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

27 August 1997

The undersigned hereby applies for amendment to Permit No. 961215 pertaining to the building or structure comprised in the original application in accordance with the Laws of the State of Maine, the Building Code and Zoning Ordinance of the City of Portland, plans and specifications, if any, submitted herewith, and the following specifications:

Location 34 Eastfield Rd (Lot #8) 194-C-056 Within Fire Limits? _____ Dist. No. _____
Owner's name and address Gary & Clara Higginbottom SAA 04102 Telephone 773-7692
Lessee's name and address _____ Telephone _____
Contractor's name and address _____ Telephone _____
Architect _____ Plans filed _____ No. of sheets _____
Proposed use of building 1-fam w/deck No. families _____
Last use 1-fam No. families _____
Increased cost of work 3,500.00 Additional fee 40.00

Description of Proposed Work

Construct Deck as per amended plot plan

Handwritten signature/initials

Details of New Work

Gary Higginbottom

Is any plumbing involved in this work? _____ Is any electrical work involved in this work? _____
Height average grade to top of plate _____ Height average grade to highest point of roof _____
Size, front _____ depth _____ No. stories _____ solid or filled land? _____ earth or rock? _____
Material of foundation _____ Thickness, top _____ bottom _____ cellar _____
Material of underpinning _____ Height _____ Thickness _____
Kind of roof _____ Rise per foot _____ Roof covering _____
No. of chimneys _____ Material of chimneys _____ of lining _____
Framing lumber — Kind _____ Dressed or full size? _____
Corner posts _____ Sills _____ Girt or ledger board? _____ Size _____
Girders _____ Size _____ Columns under girders _____ Size _____ Max. on centers _____
Studs (outside walls and carrying partitions) 2x4-16" O.C. Bridging in every floor and flat roof span over 8 feet.
Joints and rafters: 1st floor _____, 2nd _____, 3rd _____, roof _____
On centers: 1st floor _____, 2nd _____, 3rd _____, roof _____
Maximum span: 1st floor _____, 2nd _____, 3rd _____, roof _____

Approved:

R-3 dk - S 9/9/97

Signature of Owner

Approved:

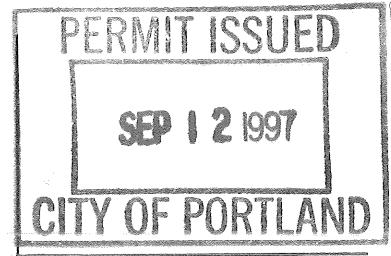
Inspector of Buildings

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APPLICANT'S COPY — YELLOW

FILE COPY — PINK
ASSESSOR'S COPY — GOLDEN

Handwritten note: 14 Ms Paul 8/9

970980



APPLICATION FOR AMENDMENT TO PERMIT

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27 August 1997

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Handwritten signature/initials

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Gary Higginbottom

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Kind of roof _____ Rise per foot _____ Roof covering _____
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On centers: 1st floor _____, 2nd _____, 3rd _____, roof _____
Maximum span: 1st floor _____, 2nd _____, 3rd _____, roof _____

Approved:

R-3 [Signature] 9/9/97

Signature of Owner

Approved:

[Signature]

Inspector of Buildings

INSPECTION COPY - WHITE
APPLICANT'S COPY - YELLOW

FILE COPY - PINK
ASSESSOR'S COPY - GOLDEN

Handwritten initials MS Powell

BUILDING PERMIT REPORT

DATE: 10 Sept 97 ADDRESS: 34 Eastfield Rd (Lot #8)
REASON FOR PERMIT: Construct Deck
BUILDING OWNER: Higginbottom
CONTRACTOR: owner
PERMIT APPLICANT: A APPROVAL: *1*2 DENIED _____

CONDITION(S) OF APPROVAL

- X1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
- X2. Before concrete for foundation is placed, approvals from the Development Review Coordinator and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection)
3. Precaution must be taken to protect concrete from freezing.
4. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained.
5. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of ½ inch gypsum board or the equivalent applied to the garage means of ½ inch gypsum board or the equivalent applied to the garage side. (Chapter 4 Section 407.0 of the BOCA/1996)
6. All chimneys and vents shall be installed and maintained as per Chapter 12 of the City's Mechanical Code. (The BOCA National Mechanical Code/1993) U.L. 103.
7. Sound transmission control in residential building shall be done in accordance with Chapter 12 section 1214.0 of the city's building code.
8. Guardrail & Handrails A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42" , except Use Group R which is 36". In occupancies in Use Group A, B, H-4, I-1, I-2 M and R and public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect.
9. Headroom in habitable space is a minimum of 7'6".
10. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 3/4" maximum rise. All other Use group minimum 11" tread, 7" maximum rise.
11. The minimum headroom in all parts of a stairway shall not be less than 80 inches.
12. Every sleeping room below the fourth story in buildings of use Groups R and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue they shall have a sill height not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension shall be 20 inches (508mm), and a minimum net clear opening of 5.7 sq. ft.
13. Each apartment shall have access to two (2) separate, remote and approved means of egress. A single exit is acceptable when it exits directly from the apartment to the building exterior with no communications to other apartment units.
14. All vertical openings shall be enclosed with construction having a fire rating of at least one (1)hour, including fire doors with self closer's.
15. The boiler shall be protected by enclosing with (1) hour fire-rated construction including fire doors and ceiling, or by providing automatic extinguishment.
16. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's Building Code Chapter 9, Section 19, 920.3.2 (BOCA National Building Code/1996), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):
 - In the immediate vicinity of bedrooms
 - In all bedrooms
 - In each story within a dwelling unit, including basements

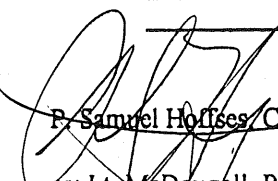
In addition to the required AC primary power source, required smoke detectors in occupancies in Use Groups R-2, R-3 and

l-1 shall receive power from a battery when the AC primary power source is interrupted. (Interconnection is required)

17. A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type.
18. The Fire Alarm System shall be maintained to NFPA #72 Standard.
19. The Sprinkler System shall maintained to NFPA #13 Standard.
20. All exit signs, lights, and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023. & 1024. Of the City's building code. (The BOCA National Building Code/1996)
21. No construction or demolition work shall begin until you have obtained permits for dumpsters or containers. A work Stop Order shall be issued if this requirement is not met.
22. Section 25-135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".
23. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification to the Division of Inspection Services.
24. This permit does not excuse the applicant from obtaining any license which may be needed from the City Clerk's office.
25. Ventilation shall meet the requirements of Chapter 12 Sections 1210. of the City's Building Code.
26. All electrical and plumbing permits must be obtained by a Master Licensed holders of their trade.
27. All requirements must be met before a final Certificate of Occupancy is issued.

28. Your plan doesn't show any construction detail, Please
submit this ~~for~~ before work begins.

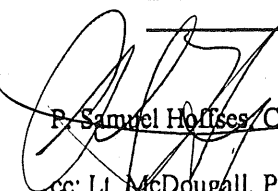
29. _____


P. Samuel Hoffes / Chief of Code Enforcement
cc: Lt. McDougall, PFD
Marge Schmuckal

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22. Section 25-135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".
23. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification to the Division of Inspection Services.
24. This permit does not excuse the applicant from obtaining any license which may be needed from the City Clerk's office.
25. Ventilation shall meet the requirements of Chapter 12 Sections 1210. of the City's Building Code.
26. All electrical and plumbing permits must be obtained by a Master Licensed holders of their trade.
27. All requirements must be met before a final Certificate of Occupancy is issued.

28. Your plan doesn't show any construction detail, Please
submit this ~~for~~ before work begins.


P. Samuel Hoffes / Chief of Code Enforcement

cc: Lt. McDougall, PFD
Marge Schmuckal

Amy

11/15
8/27

Gary Huggenbottom

Re: 34 Eastfield Rd.

1775-7147 - JFC

permit needs amendment.

Vicki

DECK SPECIALTIES, INC.

One Waterhouse Road
Gorham, Maine 04038
(207) 839-5463 - Office
(207) 839-5463 - Home

Date: 8/25/97

Gary and Clara Higginbottom
34 Eastfield Road
Portland, Maine 04102
Tel. 775-7147

CONTRACT FOR NEW DECK

Work Location: Same

Description of work: As follows

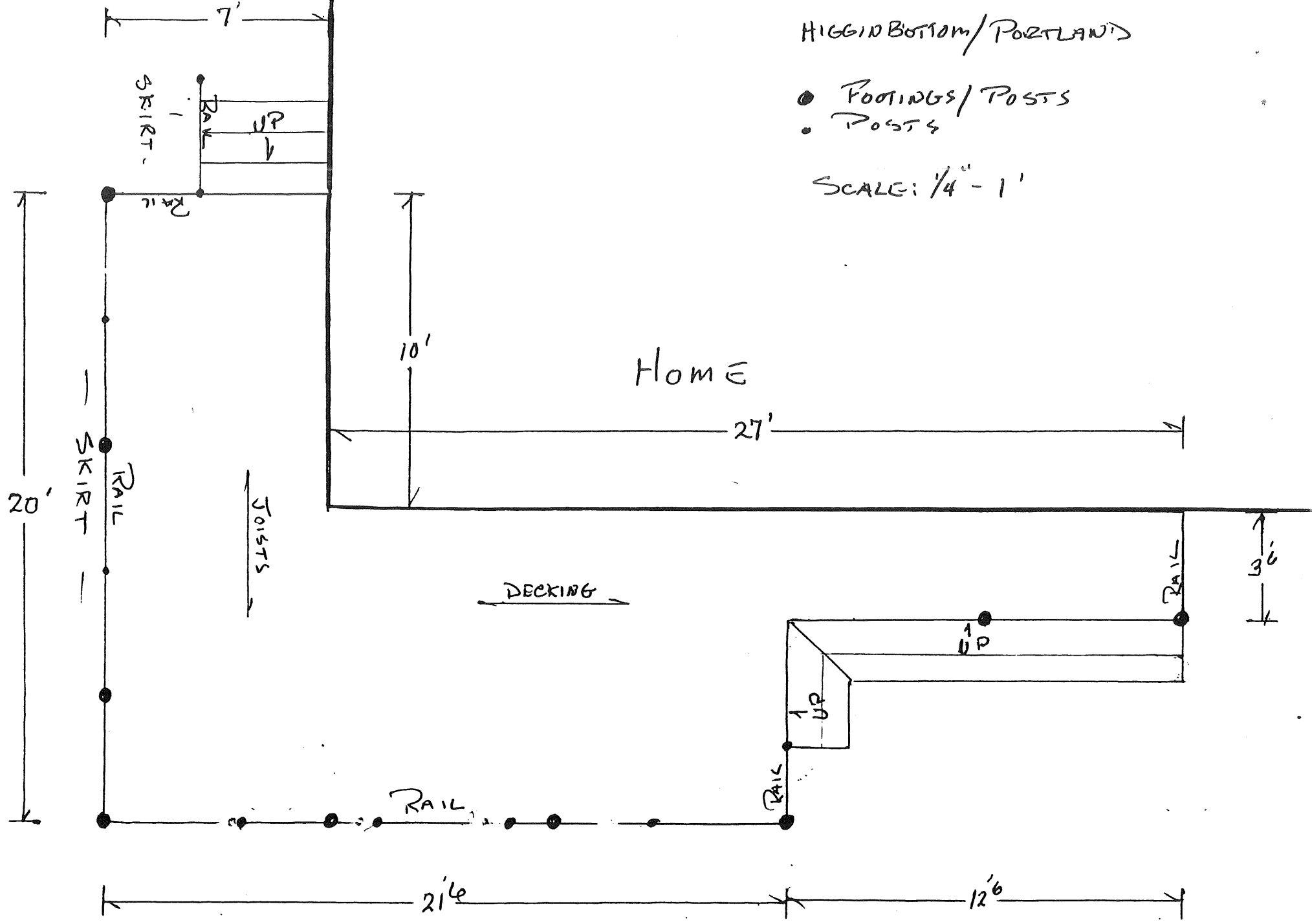
- * Construct new deck with aprox. dimensions of 10'x21'6 + 10'x7' + 12'6x3'6 consisting of:
- * 8" concrete footings below frost line.
- * 4x4 posts.
- * 2x8 rim joists and headers.
- * 2x6 floor joists 16" o.c.
- * 5/4x6 radius edged decking, premium.
- * Steps as per drawing consisting of 2x10 stringers, 3/4" riser boards and double 2x6 treads (11").
- * Balister type rail systems with 4" spacing.
- * Skirting on 20' side consisting of 2x4 framing, heavy duty lattice panels and 3/4" trim.
- * Lumber to be pressure treated southern yellow pine.
- * All fasteners to be galvanized.
- * Decking and stair treads to be attached with 2 1/2" galvanized deck screws.
- * Flashing where required.
- * Please refer to drawing for aprox. layout.

Customer responsible for any and all permits
Contractor responsible for trash removal at end of project

HIGGINS BOTTOM / PORTLAND

- FOOTINGS / POSTS
- POSTS

SCALE: 1/4" = 1'



Terms of Payment

\$1150.00 with acceptance of contract; \$1150.00 with delivery of materials and start of project; \$1200.00 due upon completion of project.

TOTAL LABOR AND MATERIALS..... \$3500.00

WARRANTY: In addition to any additional warranties agreed to by the parties, Deck Specialties, Inc. warrants that the work will be free from faulty materials; constructed according to the standards of the building code applicable for the location; and constructed in a skillful manner and fit for habitation. The warranty rights and remedies set forth in the Maine Uniform Commercial Code apply to this contract.

RESOLUTION OF DISPUTES: If a dispute arises concerning the provisions of this contract or the performance by the parties, then the parties agree to settle this dispute by jointly paying for one of the following (check only one):

- Binding arbitration as regulated by the Maine Uniform Arbitration Act, with the parties agreeing to accept as final the arbitrator's decision.
- Nonbinding arbitration, with the parties free to not accept the arbitrator's decision and to seek satisfaction through other means, including a lawsuit.
- Mediation, with the parties agreeing to enter into good faith negotiations through a neutral mediator in order to attempt to resolve their differences.

By agreeing to the above, Deck Specialties, Inc. is not waiving its rights to a mechanic's lien and, should it prevail in a lawsuit filed to enforce its claim under a lien or this contract, it shall also be entitled to all of its attorney's fees and costs.

If Deck Specialties, Inc. is delayed at anytime in the progress of the work by or act or neglect of the owner, his agents or employees, or by changes ordered in the work, or by labor disputes, unusual delay in deliveries, subservice conditions, unavoidable casualties or other causes beyond the control of Deck Specialties, Inc., then the completion date shall be extended by change order for a reasonable time and the contract price shall be increased by change order for extra costs.

Homeowner/Lessee shall carry all necessary casualty insurance to insure the work location as improved hereunder.

CHANGE ORDERS: Any alteration or deviation from the above contractual specifications that involve extra cost will be executed only upon the parties entering into a written change order.

ACCEPTANCE OF CONTRACT BY BOTH PARTIES

DATED: 8/25/97

DECK SPECIALTIES, INC
BY: Norman A. Gagne, Jr.
Norman A. Gagne, Jr.
President

DATED: 8/25/97

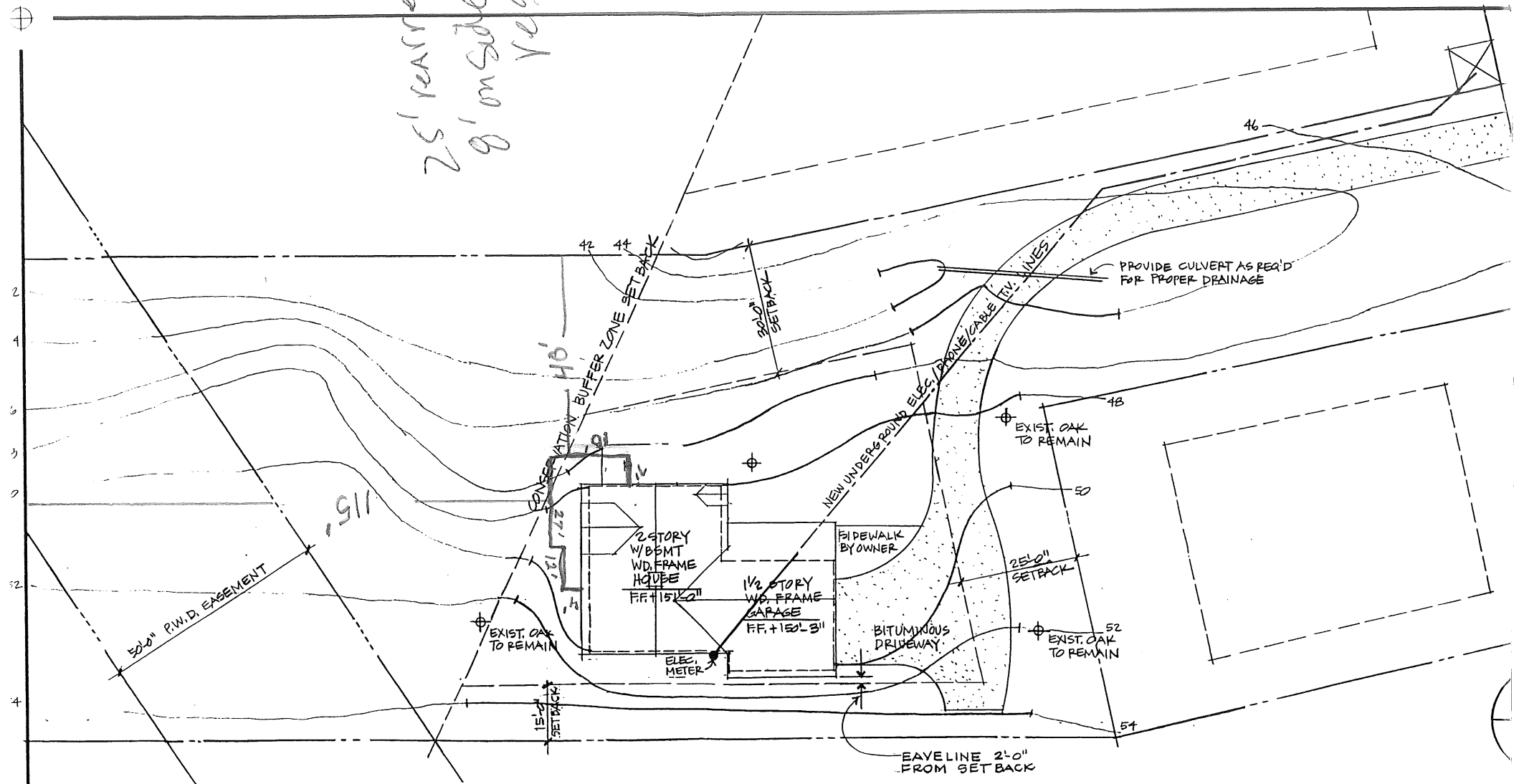
Ray Higginbotham
Homeowner

Homeowner

I acknowledge receipt of a copy of this executed contract.

Ray Higginbotham
Homeowner

25' rear reg -
9' on sides -
veg ok



SITE PLAN

SCALE: 1" = 20'-0"

side view

