

DEC 26 1996



CONSTRUCTION PERMIT APPLICATION

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

I. IDENTIFICATION

1. IDENTIFICATION
1. Proposed Work-site at: 214 Veronica Drive Brick
2. Name of Owner in Fee: William Murrin Tel. (908) 785-0821
- Address 214 Veronica Dr. Brick NJ 08724
- street municipality zip code
3. Ownership in Fee: Public _____ Private _____
4. Principal Contractor: Self Tel. (_____) _____
- Address _____
- License No. OR, if new home, Builder Reg. No. _____ Exp. Date _____
- Federal Emp. No. _____ Social Security No. _____
5. Architect or Engineer _____ Tel. (_____) _____
- Address _____
6. Responsible Person
in Charge of Work _____ Tel. (_____) _____

1. Building	\$ 35		
2. Electrical			
3. Plumbing			
4. Fire Protection	85		
5. Elevator Devices			
6. Subtotal	\$ 120		
7. Less 20% for State Plan Review			
8. Subtotal	\$		
9. DCA Training Fee	1		
10. Subtotal	\$		
11. Cert. of Occupancy			
12. Other <i>penalty</i>	100		
13. TOTAL	\$ 221		

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

(office use only)	
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II. PROPOSED WORK

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

TOTAL COSTS

65010

Est. Cost

OPTIONAL (for office use only)[illegible]

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

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

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

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL

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

No of dwelling units:

Before Construction _____

After Construction _____

Net gain or loss _____

B. NON-RESIDENTIAL

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

CERTIFICATION IN LIEU OF OATH

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

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

Mark the following applicable boxes:

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

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

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

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

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

C.1. ☒ Building C.2. ☒ Fire Protection

I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

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

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

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

Signature William J. Murrian Date 12/24/96

II. AGENT SECTION

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

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

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

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

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

☐ Check if contractor.

Agent Name _____

Address _____

Telephone (_____) _____

Signature _____ Date _____

OFFICE DATE RECEIVED: _____

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

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

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

X. CERTIFICATES ISSUED (office use only)

☐ Temporary Certificate of Occupancy	No. _____	DATE EXPIRED _____
☐ Temporary Certificate of Occupancy	No. _____	
☐ Continued Certificate of Occupancy	No. _____	
☐ Certificate of Occupancy	No. _____	
☐ Certificate of Approval	No. _____	
☐ None		



CONSTRUCTION PERMIT

Date Issued

Control #

Permit #

12/26/96

3256-96

IDENTIFICATION Block 1215.03 Lot 7Work Site Location 214 VANDERBILTContractor SELFOwner in Fee WILLIAM H. HARRISAddress SPRING

Address

Tele. ()

Lic. No. or Bldrs. Reg. No.

Exp. Date

Tele. ()

Federal Emp. No.

or Social Security No.

Is hereby granted permission to perform the following work:

☒ BUILDING ☐ PLUMBING ☐ OTHER☐ ELECTRICAL ☒ FIRE PROTECTION☐ ELEVATOR DEVICES

DESCRIPTION OF WORK:

Steel chimney

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

Estimated Cost of Work \$ 1650

U.C.C. Form F-170C

CONSTRUCTION OFFICIAL

PAYMENTS (Office Use Only)

Building 35

Plumbing

Electrical

Fire Protection 35

Other

Other Penalty \$100DCA Training Fee 1

Cert. of Occ.

Other

Total 171

Check No.

Cash 171Collected By: OFF

USE BUILDING SUBCODE TECHNICAL SECTION

Date Received
Date Issued
Control #
Permit #

12/20/96
3256-96

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

Block 1305.03 Lot 7
Work Site Location BRICK, NJ 08724
Owner in Fee WILLIAM MURRAY
Address 214 VERONICA DR
BRICK NJ 08724
Tele. (908) 785-0021
Contractor SELF
Address _____
Tele. () _____
Lic. No. or Bldgs. Reg. No. _____
Federal Emp. No. _____ or Social Security No. _____

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPECTIONS	Failure	Dates (Month/Day)	Initial
			Type:		Failure	Approval
☐ No Plans Req.			Footing			
☐ All			Foundation			
☐ Footing			Slab			
☐ Foundation			Frame			
☐ Frame			Insulation			
☐ Other			Finishes:			
Joint Plan Review Required:			Energy			
☐ Elec. ☐ Plumb. ☐ Fire			Mechanical			
SUBCODE APPROVAL			TCO			
☐ CO ☐ CCO ☐ CA			Other			
Date: <u>12-26-96</u>			Final			
Approved By: <u>MC</u>						

B. BUILDING CHARACTERISTICS

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

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

C. CERTIFICATION IN LIEU OF OATH

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

Signature

William A. Murray

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

ERECT A INSTAL CHIMNEY FOR WOOD BURNING STOVE. THE STOVE BEING INSTALLED IS A S EANDIA 308. THE STOVE WAS GIVEN TO US (NO PAPERWORK AVAILABLE) THE CHIMNEY PIPE BEING USED IS METAL HAD INC 200' TEMP/GUARD. THE LENGTH OF THE CHIMNEY IS APPROX 34 FT AND STANDS APPROX 3 FT FROM PEEL OF ROOF. AT BASE OF CHIMNEY A SUPPORT MUST BE BEING USED AND 2 WALL MOUNTS ARE BEING TO SUPPORT CHIMNEY APPROX 8 FT APART CHIMNEY STAND APPROX 21 FT FROM STRUCTURE AS RECOMM.

(Office Use Only)
FEE

TYPE OF WORK: NEW BUILDING

☐ New Building	
☐ Addition	
☐ Alteration	
☐ Roofing	
☐ Siding	
☐ Fence _____	Height (6' or over)
☐ Sign _____	Sq. Ft.
☐ Pool	
☐ Asbestos Abatement	
☐ Other _____	
☐ Demolition	

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



**FIRE PROTECTION
SUBCODE
TECHNICAL SECTION**



Date Received
Date Issued
Control #
Permit #

12/20/92
3256-22

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

Block 1205.03 Lot 7
Work Site Location 214 VERONICA DR
BRICK, NJ 08734
Owner in Fee WILLIAM MUEHN
Address 214 VERONICA DR
BRICK, NJ 08742
Tele. (908) 785-0821
Contractor SELF
Address _____
Tele. (____) _____
Lic. No. _____ or Social Security No. _____
Federal Emp. No. _____

B. FIRE PROTECTION CHARACTERISTICS

Use Group Present _____ Proposed _____
Const. Class. Present _____ Proposed _____
Heating Systems ☐ New ☐ Existing
Type: ☐ Gas ☐ Oil ☐ Electrical ☐ Solar
☐ Other _____
Location: Basement
Total Est. Cost of Fire Prot. Work \$ _____ ☐ Other _____

JOB SUMMARY (Office Use Only)

PLAN REVIEW:	INSPECTIONS:	Dates (Month/Day)
☐ No Plans Required	Type:	Failure Failure Approval Initial
Joint Plan Review Required:	Suppression Test	_____
☐ Bldg. ☐ Plumb.	Fire Alarm Test	_____
☐ Elec. ☐ Elevator	Smoke Test	_____
☐ Fire Plans Approved	Mechanical	_____
Date: <u>12-26-96</u>	TCO	_____
Approved by: <u>gac</u>	Other <u>Wood Stove</u>	_____
SUBCODE APPROVAL:	Other _____	_____
☐ CO ☐ CCO ☒ CA	Other _____	_____
Date: <u>1-3-97</u>		_____
Approved by: _____		_____

C. CERTIFICATION IN LIEU OF OATH

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

William Muehn
SIGNATURE

D. TECHNICAL SITE DATA

Description of Work

Water Supply Source _____
Method of Valve Supervision _____
Local Alarm Supervision _____
Central Supervision _____
Proprietary Supervision _____

Flammable Liquid Storage Tanks _____
Combustible Liquid Storage Tanks _____
L.P.G. Storage Tanks _____
L.N.G. Storage Tanks _____

() Capacity _____ Fuel _____
() Capacity _____ Fuel _____
() Capacity _____ Fuel _____

Wet Sprinkler Heads _____
Dry Sprinkler Heads _____
TOTAL _____

Number

FEE (Office Use Only)

Smoke Detectors _____
Heat Detectors _____
TOTAL _____

Stand Pipes _____
Kitchen Hood Exhaust Systems _____

Pre-Engineered Systems _____
CO₂ Suppression _____
Halon Suppression _____
Foam Suppression _____
Dry Chemical _____
Wet Chemical _____

Gas or Oil Fired Appliance _____
OTHER _____

35.00

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

Detach and Bring this Portion of Card with You

Location.. 214 Veronica Pl.

Block 1205.03 Lot 7

OFFICE OF BUILDING INSPECTOR

BRICK TOWNSHIP

NEW JERSEY



Joe E. Smith
INSPECTOR

Location.. 214 Veronica Pl.

Block.. 1205.03 Lot 7

Date.. 12/23/96

214 Veronica Dr.

Mudg Chimney

PP

No permit

B- 1205.03
L- 7

Zoning

Block 1205.03 Lot 7

LOCATION: 214 Veronica Dr.

VIOLATION(S): Constructing a Stainless Steel Chimney
with no permit

1ST NOTICE: 12-23-96

DUE: 1-23-97

2ND NOTICE:

DUE:

3RD NOTICE:

DUE:

INSP'S INITIALS: Joseph Everesto

COMPLIANCE DATE:

Block 1205.03 Lot 7

LOCATION: 214 Veronica Dr.

VIOLATION(S): Constructing a Stainless Steel Chimney
with no permit

1ST NOTICE: 12-23-96

DUE: *immed*

2ND NOTICE:

DUE:

3RD NOTICE:

DUE:

INSP'S INITIALS: Joseph Everesto

COMPLIANCE DATE: *Complied 12/26/96 3256-96.*

\$100 - fine

P 178 892 129 B-1205.03

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to
Mr. William & Terri Murrin
Street & Number
214 Veronica Dr.
Post Office, State, & ZIP Code
Brick, N.J. 08724

Postage	\$ 32
Certified Fee	110
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	8723 110
Return Receipt Showing to Whom Date, & Addressee's Address	
TOTAL Postage & Fees	252
Postmark or Date	

PS Form 3800, April 1995

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Mr. William & Terri Murrin
214 Veronica Dr.
Brick, N.J. 08724

4a. Article Number

P 178 892 129

4b. Service Type

- ☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

12-26-96

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

☒ *William Murrin*

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.



☐ NOTICE OF VIOLATION AND ORDER TO TERMINATE
☒ NOTICE AND ORDER TO PAY PENALTY

PERMIT NO. _____
 DATE ISSUED 12-23-96

Block 1205.03 Lot 7

Subdivision _____

Notice No. _____

IDENTIFICATION

OWNER:

Name Mr William & Terri Murrin

Address 214 Veronica Dr.

Town/State/Zip Brick, N.J. 08724

Work Site Address Same as Above

AGENT:

Name _____

Address _____

Town/State/Zip _____

ACTION

DATE OF NOTICE: 12-23-96

COMPLIANCE DUE DATE: Upon Receipt

DATE OF INSPECTION: 12-23-96

TAKE NOTICE that you have been found to be in violation of the State Uniform Construction Code Act and Regulations promulgated thereunder (N.J.A.C. 5:23-2.30 and 2.31) in that:

N.J.A.C. 5:23-2.31(b)4. COMPLIANCE

Installing a stainless steel chimney without obtaining a permit.

Zoning possibly not to code.

12/26/96

penalty \$100-
per Joe Cur'0779

You are hereby ordered to terminate the said violations on or before immediately. The owner and agent/contractor bear joint responsibility for bringing about compliance. No Certificate of Occupancy or Approval will be issued unless the said violations are corrected.

- ☐ Failure to comply with this Order will subject you to a penalty of \$ _____ per _____.
- ☒ You are hereby ordered to pay a penalty in the amount of \$ 500.00 for each violation for a total penalty of \$ 500.00. Each week that any of the said violations remain outstanding after receipt shall result in an additional penalty of \$ 500.00 per week.

If you wish to contest the validity of the above action, in accord with N.J.A.C. 5:23-2.35 et. seq., you may request a hearing before the Construction Board of Appeals of the county of Ocean, within 20 business days of receipt of these Orders. The Application to the Construction Board of Appeals may be used for this purpose.

Your application for appeal must be in writing, setting forth your address and name, the address of the building or site in question, the permit number, the specific sections of the Regulations in question, and the extent and nature of your reliance on the Regulations and, if necessary, a brief statement setting forth your position and the nature of the relief sought by you. You may also append any documents that you consider useful.

The fee for an appeal is \$ 100.00 to be forwarded with your application to the Board of Appeals office at 2 Mott Place, Toms River, N.J. 08753

If you have questions concerning this matter, please call: (908) 262-1030

NOTICE OF VIOLATION AND ORDER TO TERMINATE: Joseph Everesto DATE: 12-23-96

NOTICE AND ORDER OF PENALTY: Joseph Curiazza DATE: 12-23-96



INSTALLATION AND MAINTENANCE INSTRUCTIONS

TEMP/
GUARD®

2100° TEMP/ GUARD CHIMNEY



This symbol on the nameplate
means the product is listed by
Underwriters Laboratories, Inc.
Listing No. MH 8251
Tested to 103 HT

SIZES: 6" - 7" - 8" - 10" - 12" - 14"

A MAJOR CAUSE OF CHIMNEY RELATED FIRES IS FAILURE TO MAINTAIN REQUIRED CLEARANCES (air spaces) TO COMBUSTIBLE MATERIAL.* MINIMUM CLEARANCE FOR TEMP GUARD IS TWO (2) INCHES. IT IS OF UTMOST IMPORTANCE THAT THIS CHIMNEY BE INSTALLED ONLY IN ACCORDANCE WITH THESE INSTRUCTIONS.

* Combustible material is defined as material made of, or surfaced with, wood, compressed paper, plant fibers, plastic, or other material that will ignite and burn, whether flame proofed or not, or whether plastered or unplastered.

The Metal-Fab Temp/Guard chimney is intended for use on any residential and building heating appliance burning gas, liquid or solid fuels such as fireplace stoves, furnaces, ranges, room heaters, or as defined in columns I and II, Table 1-2A, NFPA 211. Contact Local Building or Fire officials about restrictions and Installation Inspection in your area.

WARNING: Metal-Fab Temp/Guard chimney is not designed for use on products that operate at continuous temperatures in excess of 1,000°F.

OPERATIONAL PRECAUTIONS

- Maintain 2" minimum clearance to combustibles. Use only U.L. Listed products and INSTALL ONLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

- Formation of Creosote and Soot and the need for removal.

When wood is burned slowly, it produces tar and other organic vapors, which combine with expelled moisture to create creosote. The creosote vapors condense in the relatively cool chimney flue of a slow burning fire. As a result, creosote residue accumulates on the flue lining. When ignited, this creosote makes an extremely hot fire. The chimney should be inspected at least once every two (2) months during the heating season to determine if a creosote or soot buildup has occurred. If creosote or soot has accumulated, it should be removed to reduce the risk of chimney fire.

- Do not use fireplace for food grill. Grease from foods can collect in chimney causing fireplace to become a potential fire hazard.
- On air tight stoves, open dampers and let equipment burn hot for 15 to 20 minutes. This should be done every time fuel is added. This lessens the chance of creosote buildup.
- Some chemical chimney cleaners can be harmful to the chimney. These cause accelerated oxidation or corrosion. If chemical cleaners are used, they must be non-corrosive in nature. If brush is used, it must be of proper size with plastic bristles.

PAINT TOUCH-UP

- The flat-black paint used on painted parts may be touched up, as required, with Stove Bright® Product No. 6304.

Installation through Flat Ceiling(s)

1. From the appliance manufacturer's instructions, determine the correct flue diameter for the chimney, and proper location of the chimney.
2. Using framing lumber equal to ceiling joist size, frame ceiling opening as shown in Figure 1 and Table 1.

TABLE 1

CHIMNEY FLUE DIAMETER						
	6"	7"	8"	10"	12"	14"
A	12 7/16"	13 7/16"	14 7/16"	17"	19"	22"
B	12 7/16"	13 7/16"	14 7/16"	17"	19"	22"

NOTE: If possible, it is recommended that the chimney be located in such a manner as to not cut the ceiling joist. For the 8TG chimney, design and testing allows the clearance to combustibles to be 1 1/2 inches through the ceiling joist (using the 8TGCSP) and through the roof joists. The chimney can be centered between joists on 16 inch centers in these areas. Other areas must maintain two (2) inch clearance to combustibles.

3. As shown in Figure 2, insert the Ceiling Support (TGCSP) from below until the flanged edges are firmly against the ceiling drywall. Secure into framing with eight (8) 8-penny nails inserted through the sides of the ceiling support. If the TGCSP was installed during construction and dry wall now covers the flanged edges, install Metal-Fab's ceiling support trim kit (TGCST), as shown in Figure 3.

4. Single wall or double wall connector pipe may now be installed between the appliance and the ceiling support. (See Figure 2.)

If the area above the ceiling is an attic, go to step 7.

5. Proceed to the next ceiling. If **Metal-Fab Elbows are to be used because the chimney is to be offset, refer to "Installation of Elbows" section.** Directly above the Center of the flue in the ceiling support, mark the ceiling. A plumb bob is normally used to find the center. Cut an opening in the ceiling using Figure 1 and Table 1.

6. Install Temp Guard chimney sections starting at the TGCSP. Secure the sections by pushing together and twisting until stop-locked. Additional chimney sections may be added to a maximum height of 60 feet. 14" (only) is installed flange to flange, as illustrated on page 6. At each additional ceiling, a firestop (TGFS) is required. Insert the TGFS into the joist area prepared in step 5. Continue this process for each floor level until the area above the attic.

NOTE: When the chimney extends between floors which can be occupied, the chimney must be enclosed to prevent contact. As previously noted, 2" clearance to combustibles is to be maintained, except within the joist area controlled by the TGCSP.

7. The first chimney section through the joist area into attic is to be approximately two (2) feet. If the pipe sections in the attic are not enclosed, an insulation shield (TGIS) must be installed. Lower insulation shield (TGIS) over TG pipe until the flange is resting on the joist. Secure the TGIS in place by nailing the flange to the joist. See Figure 4. If the section within the attic area is to be chase enclosed, the TGIS is not required.

8. Continue the chimney to the roof. See "Flashing Installation" and "Termination" sections.

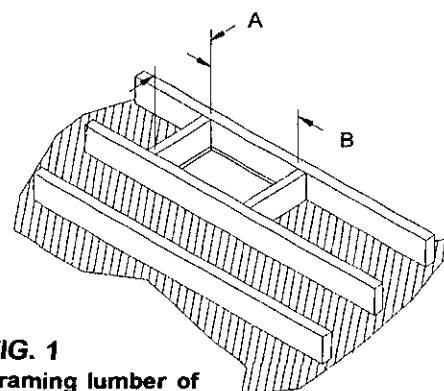


FIG. 1
Framing lumber of equal size to the joist should be used.

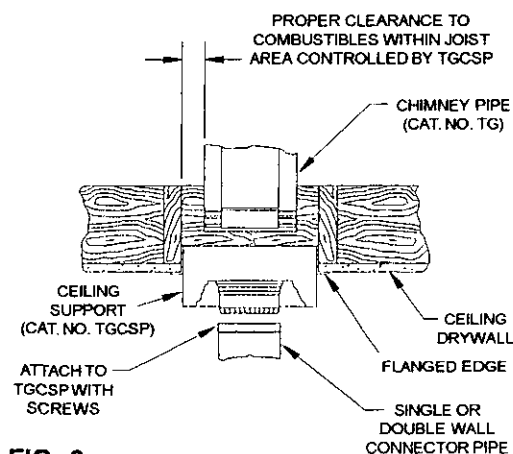


FIG. 2

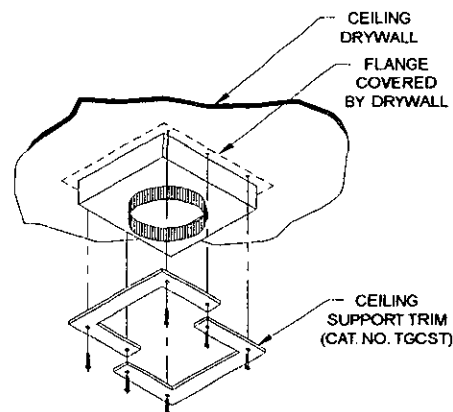


FIG. 3

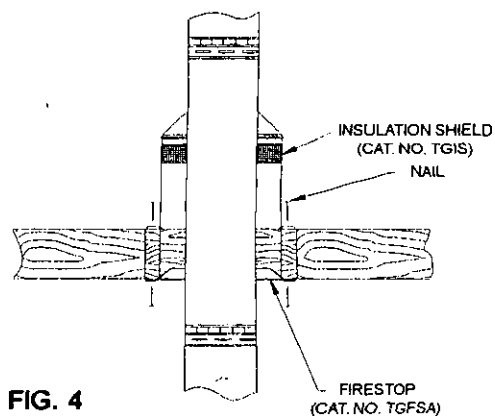


FIG. 4

Installation Through Side Wall

1. Locate the area where the chimney section is to penetrate the vertical wall. Cut and frame an opening so that the flue is centered between the vertical wall studs on 6", 7" and 8" systems. Note that 10", 12" and 14" systems may require relocation of wall studs to maintain 2" clearance to combustibles. Consult local authorities if structural modifications are required. Frame opening per Figure 5 and Table 2.

TABLE 2

CHIMNEY FLUE DIAMETER						
	6"	7"	8"	10"	12"	14"
A	12 7/16"	13 7/16"	14 7/16"	17"	19"	22"
B	13"	14"	15"	17"	19"	22"

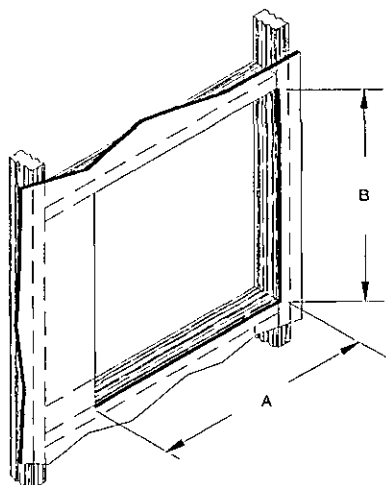


FIG. 5

2. A wall firestop (TGWFS) must be installed in framed opening from the outside. Push remaining half through opening from inside until plate is flush. Use four #10 x 2 1/2" wood screws to attach to opening. (See Figure 6).

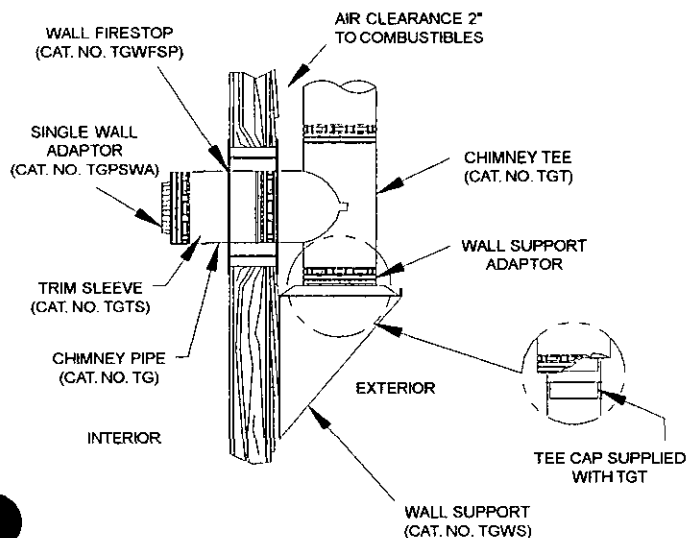


FIG. 6

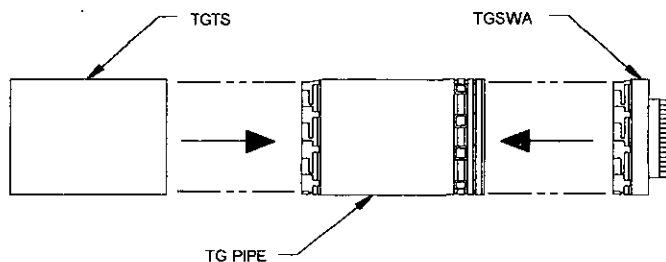


FIG. 7a

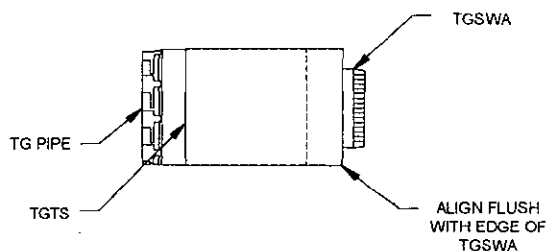


FIG. 7b

3. Remove wall support adaptor from TGWS box and attach adaptor to bottom of tee by inserting into bottom of tee and rotating to lock.

4. Insert the side tap of the tee into the opening in the wall firestop.

5. Attach wall support to wall support adaptor on bottom of tee using clamps provided. Do not tighten.

6. Align wall support with wall and secure to wall studs using 5/16" x 2" lag screws. **DO NOT SECURE TO SIDING.** For masonry walls, use 5/16" x 2" masonry lag bolts.

7. Install tee cap to bottom of wall support adaptor with a minimum of two #10 x 1/2" sheet metal screws.

8. Position tee and adaptor on wall support to maintain 2" clearance to combustibles. **TIGHTEN CLAMPS.**

9. Slip a trim sleeve joint cover (TGTS) over the male end of TG pipe that is to reach through the wall firestop to the tee. Attach single wall adaptor (TGPSWA) to the female end of TR pipe and slip TGTS flush to the end of TGPSWA. (See Figure 7a and 7b.)

10. Slide Metal-Fab chimney pipe into top of tee. Align male and female ends. Push down on pipe sections and turn clockwise to lock. Additional chimney sections are added and locked to a **MAXIMUM OF 60 FEET**. As sections are added, it will be necessary to secure them to the outside wall with bands (TGWB) at eight-foot intervals, and 2" from combustibles. Wall bands (TGWB) are secured to the chimney by placing band around the chimney and tightening clamping bolt. The assembly is anchored to the wall studs (not the siding) with 5/8" x 2" lag bolts. To complete the chimney installation, see "Flashing Installation" and "Termination" sections.

Installation Through High Pitch or Chalet Ceiling Using TGRS

1. From the appliance manufacturer's instructions, determine the correct flue diameter for the chimney and proper location of the chimney.

2. Using framing lumber equal to ceiling joist size, frame opening as shown in Figure 9. Framing that is perpendicular to the roof joists must also be vertically mounted so that support can be installed vertically.

Opening dimensions will vary based on roof pitch (slope). Framed openings should be approximately 1/4" larger than support. The TGRS dimensions are:

	LENGTH		WIDTH	HEIGHT
6" TGRS	12 7/16"	X	12 7/16"	29"
7" TGRS	13 7/16"	X	13 7/16"	29"
9" TGRS	14 7/16"	X	14 7/16"	29"
10" TGRS	16 7/16"	X	16 7/16"	29"
12" TGRS	18 7/16"	X	18 7/16"	29"

3. Insert TGRS into framed opening so that the TGRS extends a MINIMUM of three (3) inches below the finished ceiling on the lower side of the installation.

4. With TGRS properly located, mark roof slope on the roof support (See Figure 10.), remove from opening, and trim off excess metal.

5. Reinsert TGRS and secure in position using a minimum 1" roofing nail, four (4) each per side.

6. The TGRS contains an integral starter collar for TG chimney. Attach first section of pipe to TGRS.

7. Continue pipe through the roof. See "Flashing Installation" and "Termination" sections.

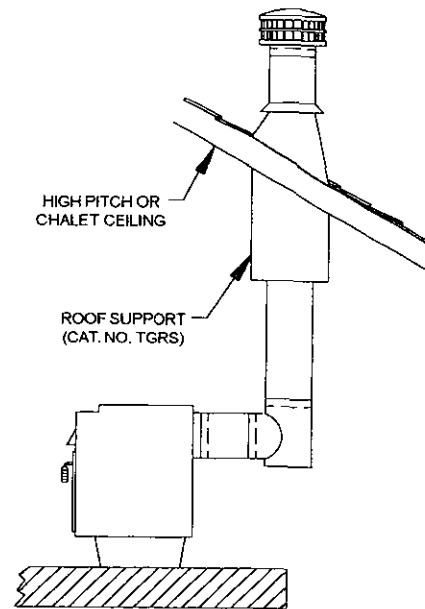


FIG. 8

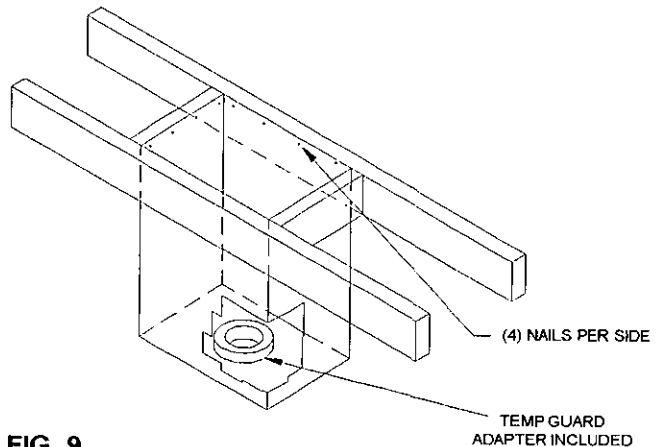
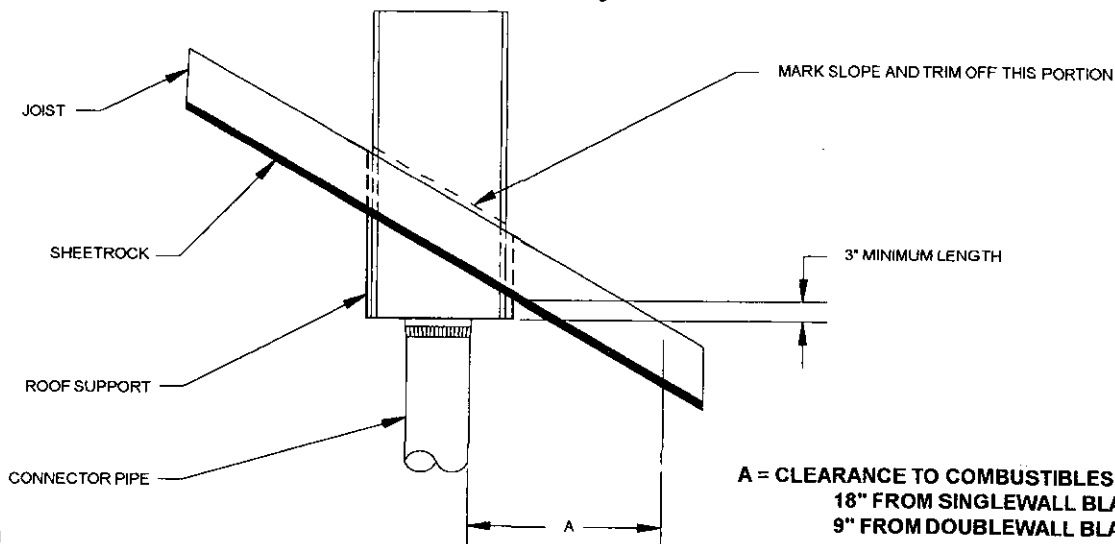


FIG. 9



A = CLEARANCE TO COMBUSTIBLES OF:
18" FROM SINGLEWALL BLACK STOVE PIPE.
9" FROM DOUBLEWALL BLACK STOVE PIPE.

FIG. 10

Installation Through High Pitch or Chalet Ceiling Using TGAS

1. From the appliance manufacturer's instructions, determine the correct flue diameter for the chimney and proper location of the chimney.

2. Using framing lumber equal to ceiling joist size, frame opening providing a minimum 2" clearance from the chimney to combustibles. Opening dimensions will vary based on roof pitch (slop).

3. Assemble TGAS as shown in Figure 12. Tighten nuts finger tight only.

4. Locate the TGAS over the framed opening in the roof. Nail the brackets to the framing using a minimum to two (2) #8 nails per bracket.

5. Slip a trim sleeve joint cover (TGTS) over the end of the TG pipe that is to go through the support and protrude into the house. Attach a single wall adaptor (TGPSWA) to the female end of the TG pipe and slip TGTS flush to the end of the TGPSWA.

6. From below, slide TG chimney pipe section through the opening and through the support band. Drill 1/8" holes into the exterior casing of the TG pipe at each pilot hole in the support band. **DO NOT PENETRATE FLUE.** Secure the support band to the chimney using sheet metal screws provided with the TGAS assembly.

7. Adjust the pipe section so that it stands vertically through the roof. **TIGHTEN** all nuts to secure the pipe in the vertical position.

8. The interior opening in the ceiling may be trimmed with a TGPCP. Select the appropriately shaped trim plate for your ceiling pitch (slop). Slide the trim plate over the opening and secure to the ceiling. Determine ceiling pitch as shown in Figure 13.

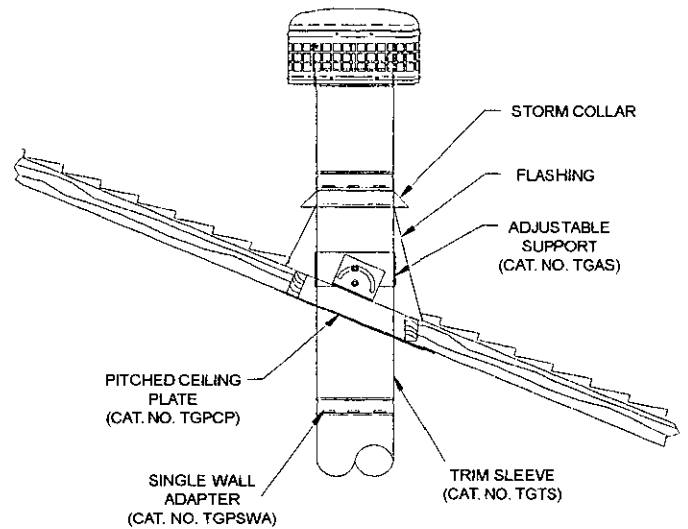


FIG. 11

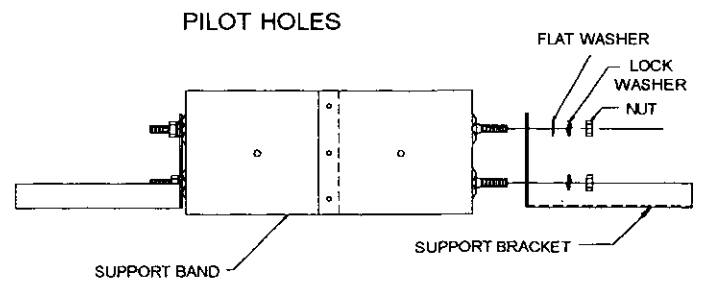
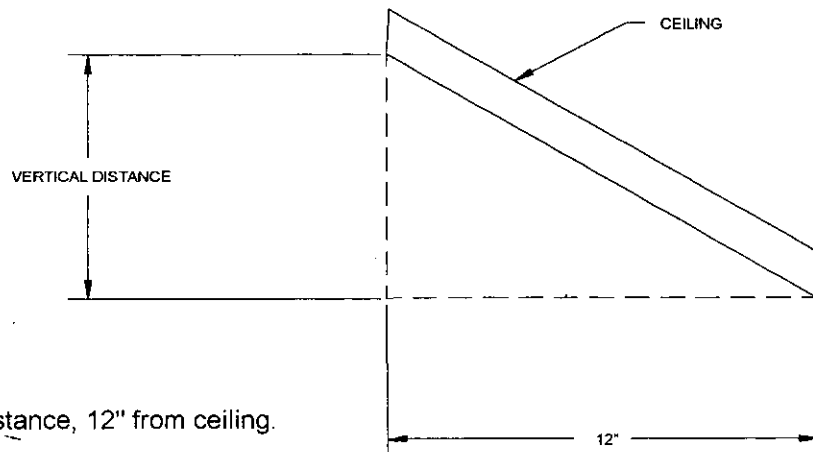


FIG. 12



Pitch is the vertical distance, 12" from ceiling.

Example: In a 6/12 pitch, the vertical distance is six (6) inches

FIG. 13

Masonry Fireplace Chimney, and Chimney Extension

An anchor plate (TGAP) is used to attach Metal-Fab 2100° F. Chimney to a masonry fireplace or chimney.

1. Where the transition is to be made, apply a bed of mortar approximately 3/4 inches deep and approximately one (1) inch larger than the anchor plate. (See TG chimney catalog for anchor plate dimensions).

2. Insert four (4) 1/4-20 x 2" anchor bolts, head down into the mortar bed. J-style anchor bolts are preferred. An alternate method would be to allow the mortar bed to cure. Then, drill four (4) holes, matching the holes in the anchor plate and insert four (4) each 1/4-20 metal anchors. The anchor plate would then be attached by four (4) each 1/4-20 bolts.

3. Before the mortar sets, place the anchor plate over the bolts and press down into the mortar. Loosely secure using a washer and nut on each bolt.

4. Use a level to check the installation, assuring that the TG chimney connection (TGAP) is level.

5. When the mortar has set up, tighten the nuts onto the bolts. Proceed to stack Metal-Fab chimney pipe (TG) on the anchor plate.

6. When installing the 14TG chimney system, use the flange bands for each flue connection, and the closure bands around the casing connections. Prior to installing the closure band, wrap the flue with the ceramic insulation provided with each section. Note: No insulation is required when attaching the chimney cap.

7. See "Flashing Instructions" and "Termination" sections. Note: Existing masonry flues may be extended with TG pipe by using an anchor plate, following steps 1 through 7 above, provided that:

- The existing masonry chimney is structurally sound, and;
- The flue extension is properly sized so that the appliance attached to the flue drafts properly. NOTE: The TG flue size area is approximately 1/10 to 1/15 the fireplace opening area.
Example: A 24 x 36 F/P opening (864 in.²) uses a 10TG chimney (78.6 in.²)

Elbow Installation

1. Metal-Fab provides a 15° (TGA15) and 30° (TGA30) Elbow to allow chimneys to avoid framing member or roof peaks. A maximum of 30° from the vertical is allowed, and a total of four elbows (two pair) for each chimney installation. Maintain two (2) inches air space to combustibles.

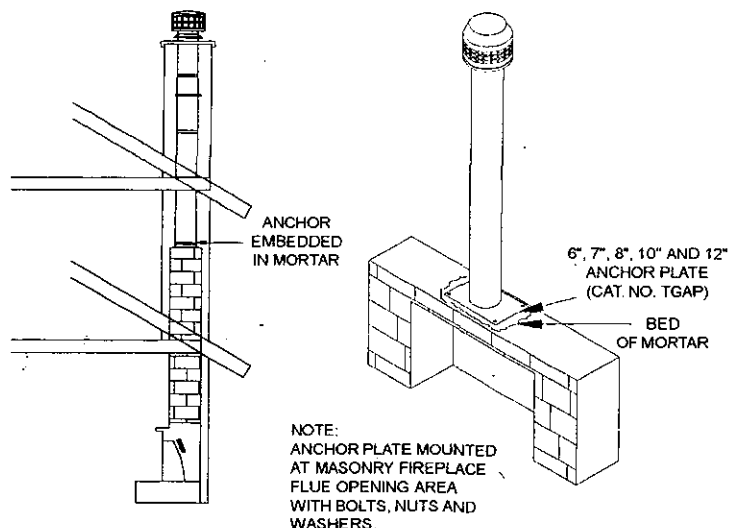
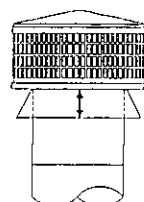


FIG. 14

FIG. 15a



14TG CAP DETAIL

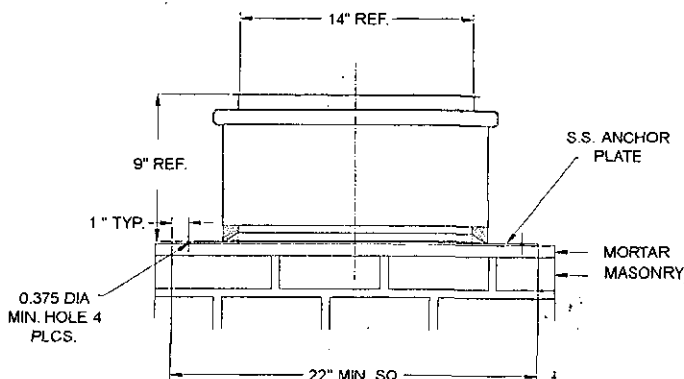
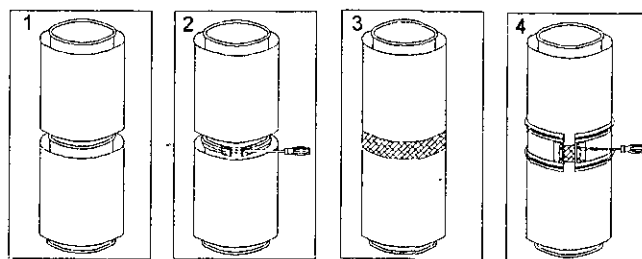


FIG. 15b 14TG ANCHOR PLATE



Note: The flues of the 14"TG are installed flange to flange (diagram #1); the flues are retained by screwing a flange band over the mating flanges (diagram #2); the joint is then wrapped with insulation (diagram #3); and the joint is covered by a closure band (diagram #4).

FIG. 16

TABLE 3

A		15° Angle		30° Angle	
Dim	No. Pcs.	B	C	B	C
0	0	18 7/16"	2 1/4"	20 3/16"	5"
6	1	22 13/16"	3 3/8"	24 1/16"	7 1/4"
12	1	28 5/8"	4 1/2"	29 1/4"	10 1/4"
18	1	34 3/8"	6 1/2"	34 7/16"	13 1/4"
24	1	40 3/16"	8 1/16"	39 5/8"	16 1/4"
30	2	44 1/2"	9 1/4"	43 1/2"	18 1/2"
36	1	51 3/4"	11 3/16"	50 1/16"	22 1/4"
42	2	56 1/8"	12 3/8"	53 15/16"	24 1/2"
48	1	63 3/8"	14 1/4"	60 7/16"	28 1/4"
54	2	67 3/4"	15 7/16"	64 3/8"	30 1/2"
60	2	73 1/2"	17"	69 1/2"	33 1/2"
66	2	79 11/16"	18 1/2"	74 3/4"	36 1/2"
72	2	85 1/2"	20 1/16"	79 15/16"	39 1/2"
78	3	89 7/16"	21 1/4"	83 13/16"	41 3/4"
84	2	96 11/16"	23 3/16"	90 5/16"	45 1/2"
90	3	102 3/8"	24 3/8"	94 3/16"	47 1/2"
96	2	108 1/4"	26 5/16"	100 11/16"	51 1/2"

NOTE: For offset combinations, see Table 3 and illustration.

2. Attach the elbow to the chimney pipe or other support part and twist to lock. Using the offset chart, add chimney sections between elbows. A support band (TGSB) is required at the upper elbow of the pair to support the load, as shown in Figure 18. Attach the upper elbow to bring chimney back to vertical.

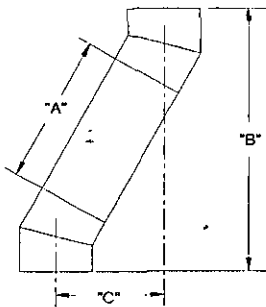


FIG. 17

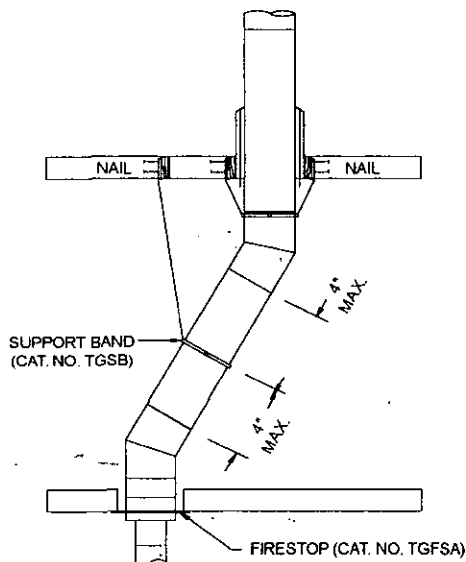


FIG. 18

Flashing Installation

1. Continue the TG chimney to the roof. Cut the roof opening, centered over the chimney. A 2-inch air space around the chimney is required as it penetrates the roof. The size of hole in the roof will vary depending on the roof pitch. See note for Table 1 regarding special 8TG clearances.

2. Install the next TG chimney section through the roof. See Figure 19. For 12-inch and 14-inch chimneys only, install a radiation shield (TGRSH) over the chimney section so that the shield straps can be temporarily bent over the roof to hold in place. After installing the flashing, these straps will be attached to the flashing as shown in Figure 20:

NOTE: If your roof is already shingled, be sure to slide the upper edge under the shingles to prevent leakage.

3. Install a bead of caulk around the pipe at the top edge of the flashing. Wrap the storm collar around the pipe and imbed the edge in the caulk to prevent leakage around the pipe.

4. Continue to install pipe sections until proper termination height is reached. See termination section.

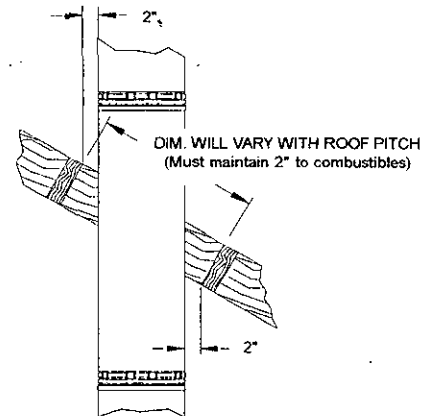


FIG. 19

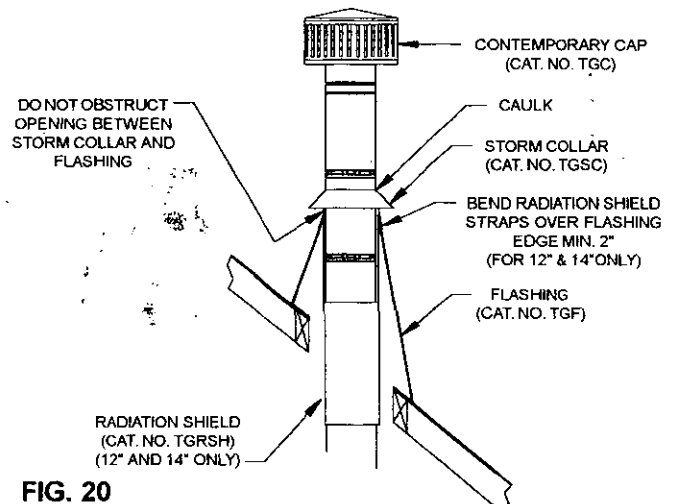
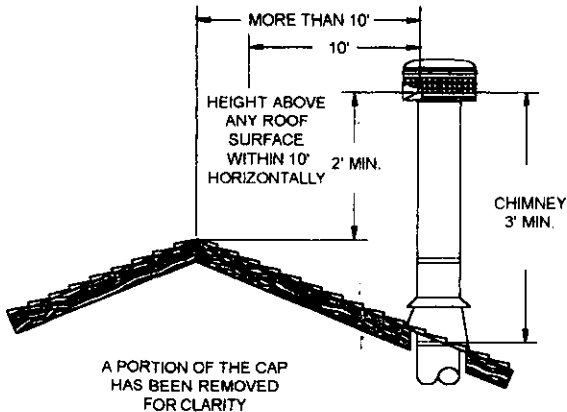


FIG. 20

Termination

1. When terminating a chimney, it is required that:
 - a.) The chimney must extend at least three (3) feet above the point where it penetrates the roof and,
 - b.) It must extend at least two (2) feet above any portion of the roof within 10 feet horizontally. (See Figure 21.)
2. Additional support is required above the roof if the chimney height exceeds five (5) feet.
3. Select the proper support for your application, using either a roof brace (Fig. 22) or a support band with guy wires (Fig. 23).



TG Roof Brace Installation

1. Form the attachment band around the chimney, and clamp in place at the desired height using bolt and nut provided.
2. Loosely attach the support legs to the bolts on the attachment band using hardware provided.
3. Position the support legs as shown in Fig. 22. The length of the support legs can be adjusted by loosening the bolt on the leg clamp.
4. Secure legs to roof using screws provided. Seal screw holes to prevent roof leaks.
5. Tighten all hardware.

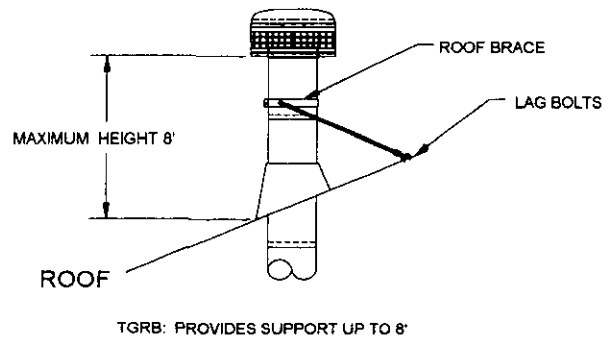


FIG. 22

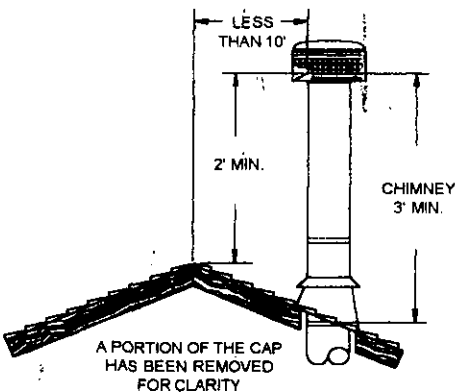


FIG. 21

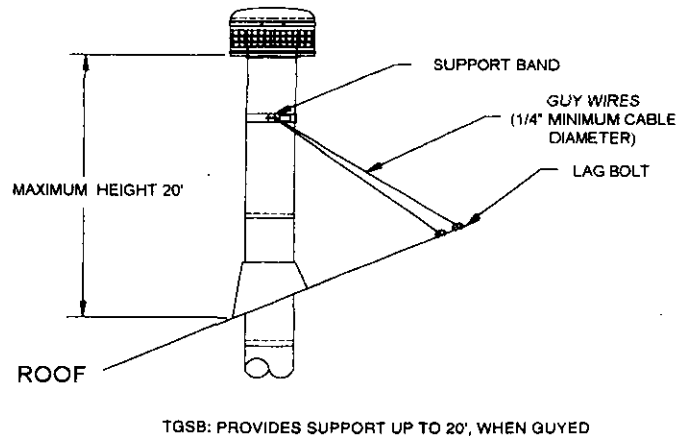


FIG. 23



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