

Called
12/9

ADDRESS (SITE) 1649 HARVARD AVE. PERMIT NO. 03-5451



CONSTRUCTION PERMIT APPLICATION

C83-23

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

I. IDENTIFICATION

3. Ownership in Fee: Public _____ Private ☒

4. Principal Contractor: _____ Tel. (____) _____
Address ITAK Heating & Cooling
License No. OR, if new home, Builder Reg. No. 1692 Route 88 Exp. Date _____
Federal Employee No. Brick, NJ 08724 FAX: (____) _____
5. Architect or Engineer Phone (732) 892-4957 Tel. (____) _____
Address Fax (732) 202-0338
Federal ID # 223689154
6. Responsible Person in Charge of Work _____
Tel. (____) _____ FAX (____) _____

OIL TO GAS HOTWATER RIG & REPLACEMENT -
GAS PIPING AND 275 ABOVE GROUND OIL TANK REMOVAL

V. FEE SUMMARY (for office use only)

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

VI. BUILDING/SITE CHARACTERISTICS

(office use only)

1. Number of Stories _____
2. 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 _____
 no _____
11. Max. Live Load _____
12. Max. Occupancy Load _____

II. PROPOSED WORK

1. ☒ Minor Work
2. ☐ New Building
3. ☐ Addition
4. ☐ Alteration
5. ☒ Fire Protection
6. ☒ Plumbing
7. ☒ Electrical
8. ☐ Elevator Devices
9. ☐ Asbestos Abat. Subch. B
10. ☐ Lead Hazard Abatement
11. ☐ Demolition

TOTAL COSTS

Est. Cost

685.00

OPTIONAL (for office use only)

Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re- viewer	Resubmission Dates		Re- viewer
					Approval	Rejection	
JB	11-13-03						
			12/14/03	JB		2-9-04	
			11/26/03	JB		2/3/04	

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

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

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL

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

No. of dwelling units:

Before Construction

After Construction

Net Gain or Loss

B. NON-RESIDENTIAL

- 1. State Specific Use:**

- 2. Use Group:**

- 3. Change in Use Group. Indicate Former:**

CERTIFICATION IN LIEU OF OATH

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

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

Mark the following applicable boxes:

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

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

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

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

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

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

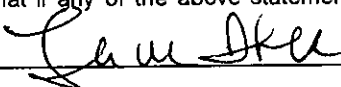
I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

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

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

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

Signature  Date 11/19/03

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

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

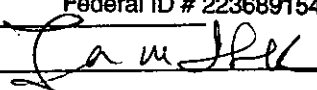
I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

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

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

☒ Check if contractor.

ITAK Heating & Cooling

Agent Name 1602 Route 88
Address Brick, NJ 08724
Phone (732) 892-4957
Fax (732) 202-0338
Federal ID # 223689154
Telephone ()
Signature 

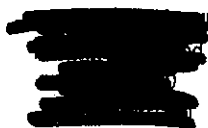
- III. ☐ LEAD HAZARD ABATEMENT: Include Homeowner or Building Owner Affidavit as per N.J.A.C. 5:17.

OFFICE DATE RECEIVED: _____

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

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

X. CERTIFICATES ISSUED (office use only)	DATE ISSUED	DATE EXPIRED	DATE REISSUED	DATE EXPIRED
☐ Temporary Certificate of Occupancy	No. _____	_____	_____	_____
☐ Temporary Certificate of Compliance	No. _____	_____	_____	_____
☐ Continued Certificate of Occupancy	No. _____	_____	_____	_____
☐ Certificate of Compliance	No. _____	_____	_____	_____
☐ Certificate of Occupancy	No. _____	_____	_____	_____
☐ Certificate of Approval	No. _____	_____	_____	_____
☐ Lead Abatement Clearance Certificate	No. _____	_____	_____	_____



CONSTRUCTION PERMIT

Date Issued
Control #
Permit #

IDENTIFICATION Block 832 Lot 4
Work Site Location 1649 HARVARD AVE.
BRICK, NJ
Owner in Fee BARRETT
Address SAME AS ABOVE
Tel. [REDACTED]

Contractor ITAK Heating & Cooling
Address 1692 Route 88
Brick, NJ 08724
Tel. () Phone (732) 892-4957
Fax (732) 202-0938
Lic. No. or Bldrs. Reg. No. Federal ID # 223689154
Fed. Emp. No.

Is hereby granted permission to perform the following work:

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

DESCRIPTION OF WORK:

OIL to GAS HOT WATER Replacement
275 Gallon Above Ground OIL TANK Removal

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 \$ 3650⁰⁰

Construction Official

Date

U.C.C. F170
(rev. 3/96)

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

(see reverse side)

PAYMENTS (Office Use Only)

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

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.  This agency will carry out such periodic inspections during the progress of work as are necessary to insure that work installed conforms to the approved plans and the requirements of the Uniform Construction Code.

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

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

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

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

☐ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued.

Any violations of the approved plans and/or permit will be noted and the holder of the permit notified of discrepancies.

☐ A complete copy of approved plans must be kept on the job site.

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

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

Date Issued 12/10/2003
Control #
Permit # 02-5451

UJC NEW JERSEY
CONSTRUCTION
PERMITS

IDENTIFICATION	Block 933	Lot 4	Sheet
Work Site Location	1887 WETZEL AVE		
Owner In Care Of	BAGGETT BOILER		
Address	341 E BRICK, NJ 08724		
Telephone	[REDACTED]		
Contractor	JTA HEATING & COOLING		
Address	13 FARMINGDALE PKWY FARMINGDALE, NJ 07727		
Telephone	(732) 952-5957		
Lic. No. of Dir. Eng. No.	[REDACTED]		
General Exp. No.	22-3487154		

I hereby granted permission to perform the following work:

☐ BUILDING ☐ PLUMBING ☐ LEAD BASED ABATEMENT
☐ ELECTRICAL ☐ FIRE PROTECTION ☐ DEMOLITION
☐ ELEVATOR DEVICES ☐ ASBESTOS ABATEMENT ☐ OTHER _____
 (See Chapter 8 on)

DESCRIPTION OF WORK:
BOILER

PAYMENTS (Office Use Only)

Buildings	2
Electrical	44
Plumbing	60
Fire Protection	0
Elevator Devices	0
Other	0
DCA State Permit Fee	3
Cost of Occupancy	0
Other	0
Total	107
Check No.	3089
Cash	0
Collected By	RJA

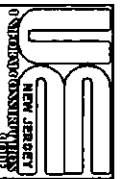
NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work \$ 2,050
 Construction Official: [Signature]
 Date: 12-10-2003

U.J.C. F170 (Rev. 3/99) NJ WDARS 5.24E

12/10/03 12:16PM 00000045833
 *X02 SERV.002

#5451
 ELECTRIC \$44.00
 PLUMBING \$60.00
 DCA \$3.00
 CHECK \$107.00



**ELECTRICAL
SUBCODE
TECHNICAL SECTION**

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

Block 832 Lot 4
Work Site Location 1649 HARVARD AVE,
BRICK, NJ
Owner In Fee/Occupant BARRETT
Address SAME AS ABOVE
Tele. ()
Contractor
Address ITAK Heating & Cooling
1692 Route 88
Tele. ()
Fax ()
Lic. No. Brick, NJ 08724
Phone (732) 892-4957
Federal Emp. No. Fax (732) 202-0338
Federal ID # 223689754
B. ELECTRICAL CHARACTERISTICS
Use Group Present Proposed
[] Pole/Pad # [] Temporary [] Other
Building Occupied as Utility Co.
Est. Cost of Elec. Work \$ 15000

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPECTIONS	Dates (Month/Day)			
			Type:	Failure	Failure	Approval	Initial
☒ No Plans Required			Rough				
Joint Plan Review Required:			Temp. Serv.				
[] Building [] Plumbing			Constr. Serv.				
[] Fire [] Elevator			TCO				
Date: <u>11/26/03</u>			Other				
Approved by: <u>[Signature]</u>			Service				
			Final				
SUBCODE APPROVAL			Temp. Cut-In-Card Date Issued				
[] CO [] CCO [] TCA			Final Cut-In-Card Date Issued				
Date: <u>2-3-04</u>							
Approved by: <u>[Signature]</u>							

C. CERTIFICATION IN LIEU OF OATH

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

Applicant's Signature/Contractor's Seal and Signature

[] Licensed Electrical Contractor [X] Exempt Applicant



Date Received 12-10-03
Date Issued
Control # 03-5451
Permit #

D. TECHNICAL SITE DATA

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

FEE (Office Use Only)

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



☐	Licensed Electrical Contractor	{ / }	☐ Exempt Applicant
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Date Received	12-10-03
Date Issued	
Control #	03-5451
Permit #	

(rev. 3/86)

3 Pink = Office Copy

TOTAL FEE

4 Gold = Applicant Copy



**PLUMBING
SUBCODE
TECHNICAL SECTION**



Date Received 12-10-03
Date Issued 03-5451
Control #
Permit #

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

Block 632 Lot 11
Work Site Location 1649 HARVARD AVE.
Owner in Fee BRICK NJ
Address BAKERT
Address SAME AS ABOVE
Tele. 732 295-4141 Fax (732) 295-4828
Lic. No. 7557
Federal Emp. No. [REDACTED]
B. PLUMBING CHARACTERISTICS
Use Group Present _____ Proposed _____
Building Sewer Size _____ Public Sewer _____
Water Service Size _____ Public Water _____ Private Well _____
Est. Cost of Plumbing Work \$ 150.00

JOB SUMMARY (Office Use Only)

PLAN REVIEW
☐ No Plans Required
Joint Plan Review Required:
☐ Building ☐ Electric
☐ Fire ☐ Elevator
Date: 12/1/03
Approved by: [Signature]
SUBCODE APPROVAL
☐ CO ☐ CCO ☐ CA
Date: _____
Approved by: _____
INSPECTIONS
Type: _____ Failure _____
Slab _____
Rough _____
Water _____
Sewer _____
Fixtures _____
Gas Equipment _____
Solar _____
TCO _____
Dates (Month/Day)
Approval _____ Initial _____

C. CERTIFICATION IN LIEU OF OATH

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

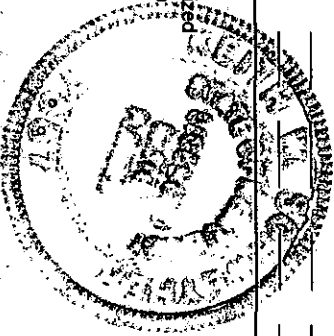
Signature — Contractor's Seal [Signature]

☐ Licensed Plumbing Contractor ☐ Exempt Applicant

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

NO.	FIXTURE/EQUIPMENT	FEE (Office Use Only)
	Water Closet	\$ _____
	Urinal/Bidet	\$ _____
	Bath Tub	\$ _____
	Lavatory	\$ _____
	Shower	\$ _____
	Floor Drain	\$ _____
	Sink	\$ _____
	Dishwasher	\$ _____
	Drinking Fountain	\$ _____
	Washing Machine	\$ _____
	Hose Bibb	\$ _____
	Water Heater	\$ _____
	Fuel Oil Piping	\$ _____
	Gas Piping	\$ _____
	Steam Boiler	\$ _____
	Hot Water Boiler	\$ _____
	Sewer Pump	\$ _____
	Interceptor/Separator	\$ _____
	Backflow Preventer	\$ _____
	Greaselap	\$ _____
	Sewer Connection	\$ _____
	Water Service Connection	\$ _____
	Stacks	\$ _____
	Other	\$ _____
	Other	\$ _____
	Other	\$ _____

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





**PLUMBING
SUBCODE
TECHNICAL SECTION**

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

Block 632 Lot 4
Work Site Location 11049 HARVARD AVE, BRICK NJ
Owner in Fee BARRETT
Address SAME AS ABOVE
Tele. [REDACTED]
Contractor ITAK Heating & Cooling
Address 1692 Route 68
Brick, NJ 08724
Tel. () 732-892-4957 Fax (732) 202-0338
Lic. No. 223689154 Federal ID # 223689154
Federal Emp. No. 2580
B. PLUMBING CHARACTERISTICS
Use Group Present Proposed Public Sewer Private Septic Public Water Private Well Public Water
Building Sewer Size 3/4"
Water Service Size 3/4"
Est. Cost of Plumbing Work \$ 2580

JOB SUMMARY (Office Use Only)
PLAN REVIEW
☒ No Plans Required
Joint Plan Review Required:
☐ Building ☐ Electric
☐ Fire ☐ Elevator
☐ Plumbing Plans Approved
Date: 12/14/03
Approved by: [Signature]
SUBCODE APPROVAL
☐ CO ☐ CCO ☐ CA
Date: 12/14/03
Approved by: [Signature]

Type:	Durations (Month/Day)		
	Failure	Approval	Initial
Slab			
Rough			
Water			
Sewer			
Fixtures			
Gas Equipment			
Gas Piping			
Solar			
TCO			

C. CERTIFICATION IN LIEU OF OATH
I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Signature [Signature] Contractor's Seal [Signature]
☐ Licensed Plumbing Contractor ☒ Exempt Applicant

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

NO.	FIXTURE/EQUIPMENT	FEE (Office Use Only)
	Water Closet	
	Urinal/Bidet	
	Bath Tub	
	Lavatory	
	Shower	
	Floor Drain	
	Sink	
	Dishwasher	
	Drinking Fountain	
	Washing Machine	
	Hose Bibb	
	Water Heater	
	Fuel Oil Piping	
	Gas Piping	
	Steam Boiler	
	Hot Water Boiler	
	Sewer Pump	
	Interceptor/Separator	
	Backflow Preventer	
	Greasetrap	
	Sewer Connection	
	Water Service Connection	
	Stacks	
	Other <u>Aluminum</u>	
	Other	
	Other	

30' CHHAT
3/4" x 140' OOL
Acquire only

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



Date Received 12-10-03
Date Issued 03-5451
Control # 03-5451
Permit # 03-5451



PLUMBING
SUBCODE
TECHNICAL SECTION



Date Received
Date Issued
Control #
Permit #

12-10-03
03-5451

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

Block 832 Lot 1

Work Site Location 1149 HARVARD AVE,

Owner in Fee BRICK NJ

Address BRICK NJ

Address SAME AS ABOVE

Tele. ()

Contractor Keith Schreyer

Address 1720 Bay Blvd

of Pleasant MD

Tele. (732) 295-4141 Fax (732) 295-4828

Lic. No. 755

Federal Emp. No. [REDACTED]

B. PLUMBING CHARACTERISTICS

Use Group Present Proposed

Building Sewer Size Public Sewer

Water Service Size Public Water

Est. Cost of Plumbing Work \$ 1500

JOB SUMMARY (Office Use Only)

PLAN REVIEW

☐ No Plans Required

Joint Plan Review Required:

☐ Building ☐ Electric

☐ Fire ☐ Elevator

☐ Plumbing Plans Approved

Date: 12/4/03

Approved by: [Signature]

SUBCODE APPROVAL

☐ CO ☐ CCO ☒ CA

Date: 2-2-04

Approved by: [Signature]

INSPECTIONS

Type: Failure Failure Approval Initial

Slab _____

Rough _____

Water _____

Sewer _____

Fixtures _____

Gas Equipment _____

Gas Piping _____

Solar _____

TCO _____

AD [Signature] 1/22/04

2/2/04

C. CERTIFICATION IN LIEU OF OATH

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

Signature — Contractor's Seal

Keith Schreyer

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

NO. FIXTURE/EQUIPMENT

Water Closet

Urinal/Bidet

Bath Tub

Lavatory

Shower

Floor Drain

Sink

Dishwasher

Drinking Fountain

Washing Machine

Hose Bibb

Water Heater

Fuel Oil Piping

Gas Piping

Steam Boiler

Hot Water Boiler

Sewer Pump

Interceptor/Separator

Backflow Preventer

Greasetrap

Sewer Connection

Water Service Connection

Stacks

Other _____

Other _____

Other _____

Administrative Surcharge \$

Minimum Fee \$

DCA Training Fee \$

TOTAL FEE \$

FEE (Office Use Only)

\$



**PLUMBING
SUBCODE
TECHNICAL SECTION**

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

Block 832 Lot 4
Work Site Location 1649 HARVARD AVE.
Owner in Fee BARRETT
Address SAME AS ABOVE

Contractor ITAK Heating & Cooling
Address 1692 Route 88
Bridg, NJ 08724

Tele. () Fax ()
Lic. No. Phone (732) 892-4957
Federal Emp. No. Fax (732) 202-0338
Federal ID # 223689154

B. PLUMBING CHARACTERISTICS
Use Group Present Proposed Public Sewer Private Septic
Building Sewer Size Public Water Private Well
Water Service Size 8"
Est. Cost of Plumbing Work \$ 2380

JOB SUMMARY (Office Use Only)	
PLAN REVIEW	INSPECTIONS
Joint Plan Review Required:	Type: Failure Failure Approval Initial
☒ No Plans Required	Slab
☐ Building ☐ Electric	Rough
☐ Fire ☐ Elevator	Water
☐ Plumbing Plans Approved	Sewer
Date: <u>12/4/03</u>	Fixtures
Approved by: <u>[Signature]</u>	Gas Equipment
	Gas Piping
	Solar
	ICO
SUBCODE APPROVAL	NO ENTRY
☐ CO ☐ CCO ☒ CA	12/15/03
Date: <u>2-20-04</u>	12/15/03
Approved by: <u>[Signature]</u>	12/15/03

C. CERTIFICATION IN LIEU OF OATH
I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Signature [Signature]
[] Licensed Plumbing Contractor [X] Exempt Applicant



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

NO.	FIXTURE/EQUIPMENT	DATE RECEIVED	DATE ISSUED	CONTROL #	PERMIT #
	Water Closet				
	Urinal/Bidet				
	Bath Tub				
	Lavatory				
	Shower				
	Floor Drain				
	Sink				
	Dishwasher				
	Drinking Fountain				
	Washing Machine				
	Hose Bibb				
	Water Heater				
	Fuel Oil Piping				
	Gas Piping				
	Steam Boiler				
	Hot Water Boiler				
	Sewer Pump				
	Interceptor/Separator				
	Backflow Preventer				
	Greasetrap				
	Sewer Connection				
	Water Service Connection				
	Stacks				
	Other				
	Other				
	Other				

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

Date Received 12-10-03
Date Issued 03-5451
Control #
Permit #

12/16/03

① NO entry - 10:20
(Cops in driveway)

12/31/03

① - Cops ppe pgs

② - Fire - Nemo's - 1st floor
between kitchen + parlor
Address 10101

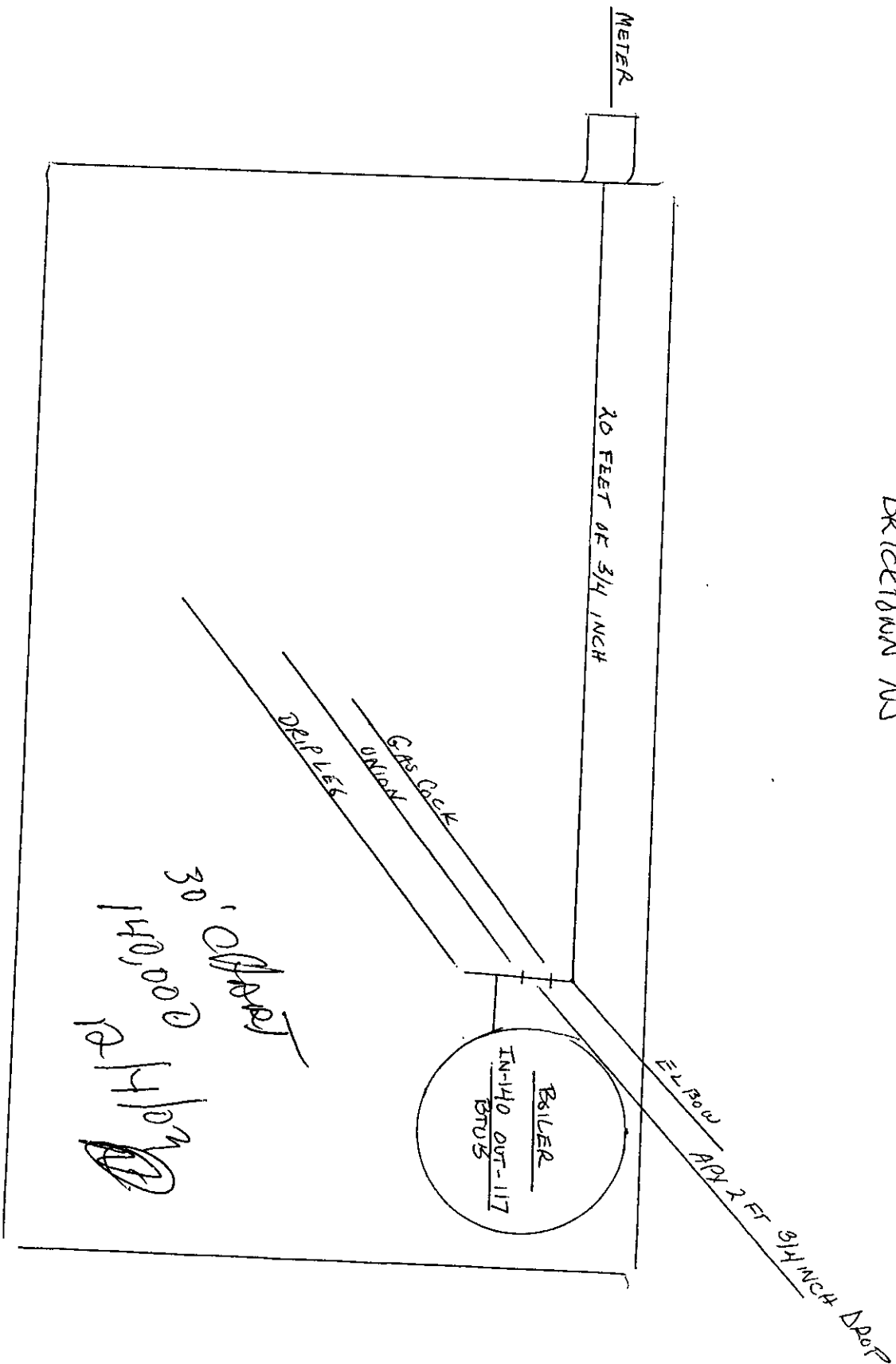
③ - support - Xerox Tank

Gas Piping Schematic:

Barrett

83a-4

1649 HARVARD AVE
BRICKTOWN NJ



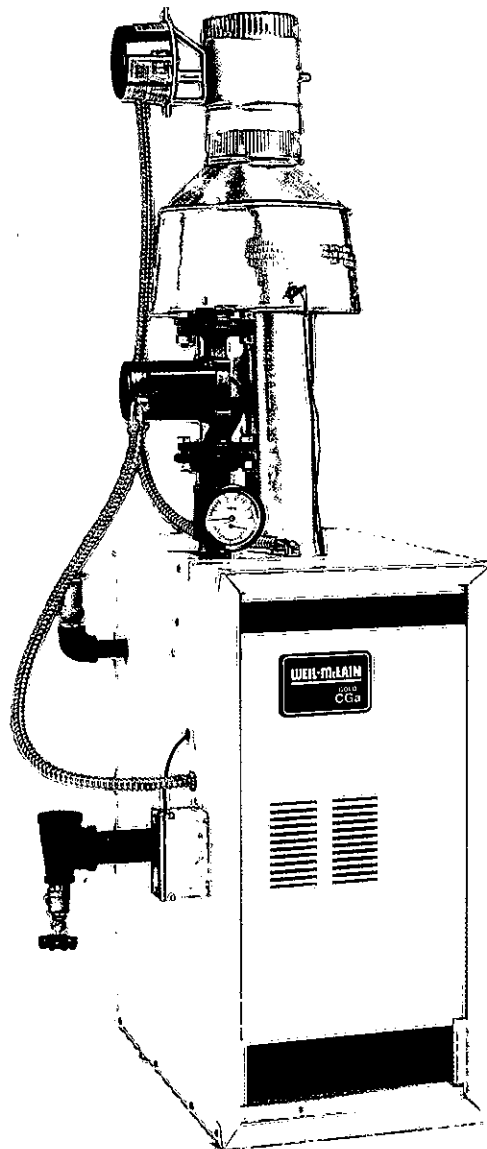
WEIL-McLAIN

an ISO 9001 Certified Company

GOLD

CGa

**GAS BOILER
for
Natural Draft
Venting**



Water Net Ratings:
38,000 to
177,000
Btu/Hr.

☐ Easy to Install and Service

☐ High Efficiency

☐ Made with Weil-McLain Quality

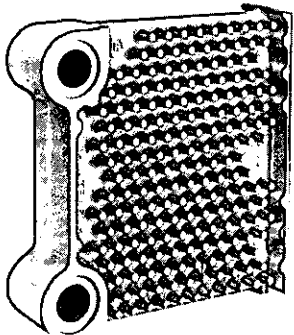
Applications:

- Residential
- Multiple Boilers
- Schools and Other Institutions
- Indirect-fired Water Heating
- Radiant Heating
- ... And Much More

Features ... Advantages ... Benefits

- **Weil-McLain Control Module and Ignition Control.** Designed for Weil-McLain ... mistake-proof wiring ... diagnostic indicator lights.
- **Compact design.** Saves valuable living space. Boiler is only 28 inches high, 23 inches deep.
- **Stainless steel burners.** For quieter ignition, longer life, and improved combustion.
- **Wiring harness.** Plug-in connectors that attach only one way to assure mistake-proof wiring for installation and component replacement.
- **Easy power hook-up.** J-box located on outside of boiler with pre-stripped wires.
- **Convenient servicing.** Accessible controls ... control module with diagnostic indicator lights ... simplified wiring ... vertical flueways ... top cleaning.
- **Factory-tested.** Every boiler is tested at the factory to assure reliable operation.
- **Improved parts kits.** Parts furnished in convenient kits.
- **Limited lifetime warranty.** Covers cast iron sections.
- **Multiple boiler systems.** Use two or more high-efficiency CGa boilers in place of one large-capacity boiler to meet the space-heating requirements of larger buildings.
- **Homeowner Protection Plan.** Covers labor and all Weil-McLain supplied parts for 5 or 10 full years. Available through participating installers.

Design Advantages



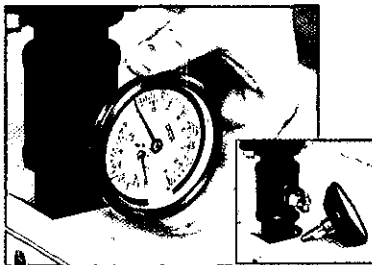
Cast Iron Sections with Elastomer Sealing Rings

Boiler sections are made of durable cast iron for strength, efficiency and long life. It's not uncommon for a Weil-McLain cast iron boiler to last 35 years or more.

The heat pins in the vertical flue passages cause the hot gases to swirl about, covering the entire surface of each section for maximum heat transfer. Radiation plates further increase heat transfer for maximum efficiency.

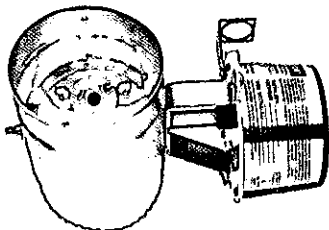
Modern elastomer sealing rings in the port openings assure a permanent water-tight seal. The flexibility and elastic memory of these seals (unlike metal push nipples) prevent leaks caused by thermal expansion and contraction.

A special high-temperature sealant between boiler sections assures tightness from gas leakage in the block.



Temperature & Pressure Gauge

All CGa boilers come with a large-faced temperature and pressure gauge, which installs in a tee in the boiler supply on the top of the boiler. Every T & P gauge comes with a spring-loaded immersion well that provides for easy installation and replacement without draining any water from the boiler or system. By installing the gauge in the system supply flow, a more accurate reading is provided. Also, the location of the gauge and the larger face provide for easy monitoring of boiler temperature and pressure.



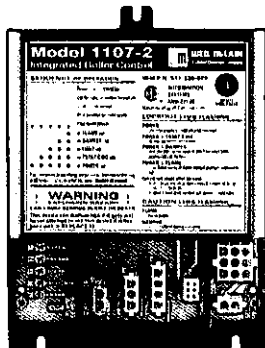
Automatic Vent Damper

A tested and approved automatic vent damper with removable plug is furnished as standard equipment with the **SPDN**, **SPDL** and **PIDN** models. The damper prevents heat from escaping up the chimney to increase efficiency and save fuel when the boiler is not operating. A simple plug-in wiring harness assures mistake-proof wiring.

Weil-McLain Control Module and Ignition Control (PID only)

The control module has:

- five indicator lights — power, thermostat & circulator, limit, damper, and flame — that show proper operation and make troubleshooting easy without complicated add-on wiring.
- plug-in connectors that attach only one way to assure mistake-proof wiring.



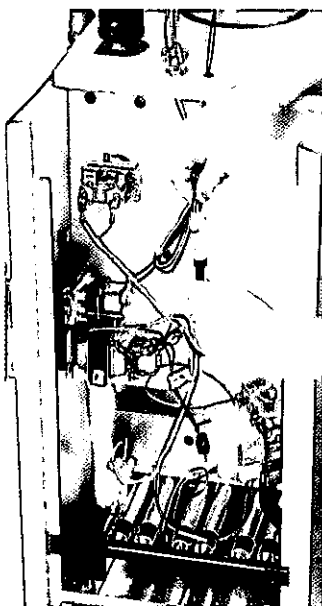
The control module responds to signals from the room thermostat and boiler limit control to operate the boiler circulator, pilot burner, gas valve, and damper. The module controls all ignition, operating and safety-related functions. In addition, its microprocessor continually checks itself 60 times each second. If a situation such as electrical "noise" or low voltage is encountered, the control module restarts and retries, eliminating nuisance lockouts.

And Weil-McLain control module designs assure newer controls will always fit.

Convenient Servicing

The front top jacket panel and front door are easy to remove allowing access to the base assembly, burners and controls for servicing.

... and by simply removing the back half of the top jacket panel, the collector hood, radiation plates, and the flueways are exposed for easy cleaning.



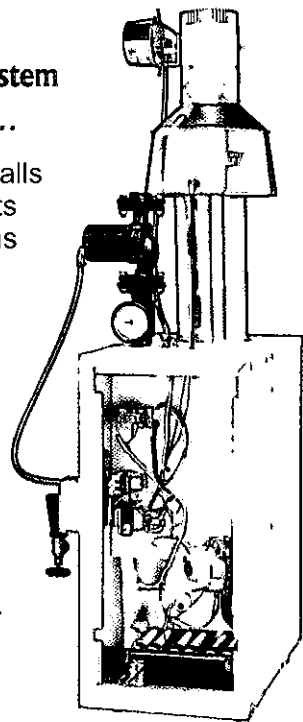
Stainless Steel Burners

Stainless steel burners provide fixed primary air ... no air adjustment is required. These burners are designed to provide exceptional flame stability with natural gas or propane for quieter operation, longer life and improved combustion.

CGa-SPD Standing Pilot Control System *How the boiler works ...*

When a room thermostat calls for heat, the circulator starts and the vent damper begins to open. After about 15 seconds, the vent damper is proven and the main gas valve opens to ignite the burners.

When the room thermostat is satisfied, the circulator stops, the gas valve closes and the damper is closed in approximately 15 seconds.



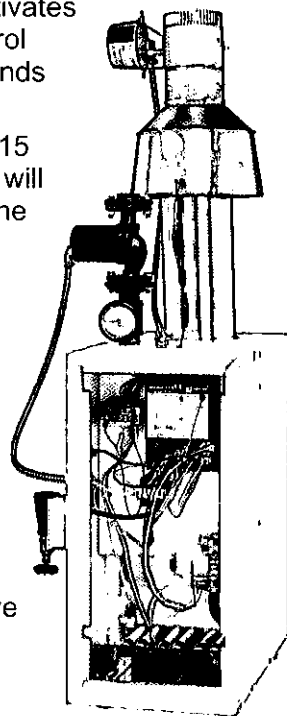
CGa-PID Electronic Pilot Control System *How the boiler works ...*

When a room thermostat calls for heat, the control module starts the system circulator and activates the vent damper to open. When the vent damper has opened, the control module opens the pilot valve and activates pilot ignition spark. The control module allows up to 15 seconds to establish pilot flame.

If flame is not sensed within 15 seconds, the control module will turn off the gas valve, flash the flame lights and immediately start a new cycle. This will continue indefinitely until pilot flame is established or power is interrupted. Once pilot flame is proven, the control module opens the gas valve to allow main burner flame.

When the room thermostat is satisfied, the control module turns off the gas valve and deactivates the vent damper to close.

The control module indicator lights show normal sequence when the lights are on steady. When a problem occurs, the control module flashes a combination of lights to indicate the most likely reason for the problem.



Ratings

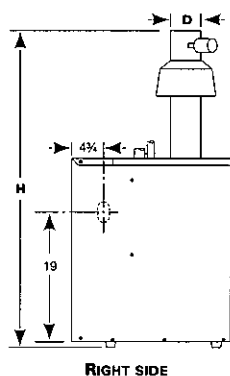


DOE

Boiler Model (1)	Input MBH (2)	DOE Heating Capacity MBH (2)	Net I=B=R Water Ratings MBH (3)	DOE Seasonal Efficiency Percent (AFUE)			Approx. Shipping Weight (Lbs)	Boiler Water Content (Gal)	Chimney Size
				SPDN	SPDL	PIDN			
CGa-25	52	44	38	81.5	83.3	84.0	200	1.5	4" I.D. x 20'
CGa-3	70	59	51	81.6	83.7	84.0	200	1.5	4" I.D. x 20'
CGa-4	105	88	77	81.7	83.7	84.0	240	2.1	5" I.D. x 20'
CGa-5	140	117	102	81.8	83.7	83.5	280	2.7	6" I.D. x 20'
CGa-6	175	146	127	81.9	83.6	83.2	325	3.3	6" I.D. x 20'
CGa-7	210	175	152	82.0	83.6	83.0	370	3.8	7" I.D. x 20'
CGa-8	245	204	177	82.1	83.6	82.7	425	4.4	7" I.D. x 20'

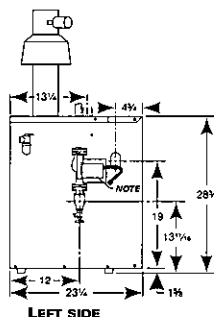
Notes: (1) Add "SPD" for boiler with standing pilot; "PID" for boiler with electronic ignition system. For SPD models, add "N" for natural gas, "L" for propane (propane not available for PID).
 (2) Based on standard test procedures prescribed by the United States Department of Energy.
 (3) Net I=B=R ratings are based on net installed radiation of sufficient quantity for the requirements of the building and nothing need be added for normal piping and pick-up. Ratings are based on a piping and pick-up allowance of 1.15. An additional allowance should be made for unusual piping and pick-up loads.
 CGa boilers are C.S.A. design certified for installation on combustible flooring. Tested for 50 psi working pressure.

Dimensions

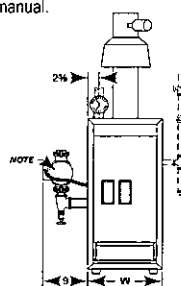


RIGHT SIDE

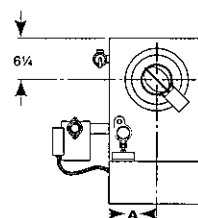
NOTE:
 Boiler circulator is shipped loose. Circulator may be mounted on either boiler supply or return piping. See dimension chart for pipe size of circulator flange provided.



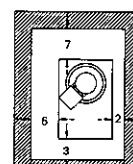
LEFT SIDE



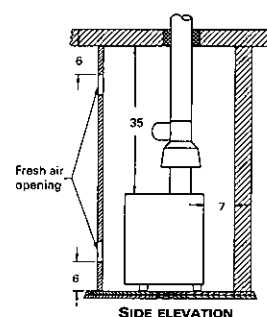
FRONT



TOP VIEW



TOP VIEW



SIDE ELEVATION

Boiler Model	Dimensions Inches				Supply Piping In. (1)	Return Piping In. (1)	Nat or LP Gas Connection Size Inches	Crate Dimensions (Outside Measurements - In.)		
	A	D	W	H				Length	Width	Height
CGa-25	5	4	10	45 3/8	3/4	3/4	1/2	27	27 1/2	31 1/2
CGa-3	5	4	10	52 3/8	1	1	1/2	27	27 1/2	31 1/2
CGa-4	6 1/2	5	13	54 3/8	1	1	1/2	27	27 1/2	31 1/2
CGa-5	8	6	16	57 7/8	1	1	1/2	30	27 1/2	31 1/2
CGa-6	9 1/2	6	19	60 7/8	1 1/4	1 1/4	1/2	33	27 1/2	31 1/2
CGa-7	11	7	22	62 1/8	1 1/4	1 1/4	3/4	36	27 1/2	31 1/2
CGa-8	12 1/2	7	25	64 7/8	1 1/2	1 1/2	3/4	42	27 1/2	31 1/2

Notes: (1) Circulator flange supplied with boiler is same size as recommended pipe size. For supply and return boiler tapping size, see installation manual.

Standard and Additional Equipment

Standard Equipment:

Factory Tested
 Two-Piece Top Jacket Panel
 Insulated Extended Steel Jacket
 Cast Iron Sections with Built-in Air Separator
 Radiation Plates
 Vertical Draft Hood
 Automatic Vent Damper
 Combination Gas Valve for 24 Volt
 Wiring Harness
 Non-Linting Pilot Burner
 Stainless Steel Burners
 Electrical Junction Box
 Rollout Thermal Fuse Element
 High-Limit Temperature Control
 Circulator (when ordered)
 Spill Switch

30 PSI ASME Relief Valve (boiler sections tested for 50 PSI working pressure)
 Combination Pressure-Temperature Gauge
 Drain Valve
HIGH EFFICIENCY MODEL - SPD
 Constant Burning, Thermally-Supervised Pilot System
 Thermocouple
 Combination Relay Receptacle and 40VA Transformer
 Plug-in Circulator Relay
HIGHEST EFFICIENCY MODEL - PID
 Integrated Boiler Control Module with Intermittent Electronic Ignition System & Indicator / Diagnostic Lights
 40VA Transformer
 Plug-in Connector and Wiring

Additional Equipment:

Taco 110 Circulator
 B&G 100 Circulator
 Expansion Tank Package (expansion tank, fill & check valve, auto air vent and fittings):
 #109 - sizes 25 thru 5; #110 - sizes 6 thru 8.
 Shipped in separate carton.
 W-M 5 & 10 Year Homeowner Protection Plan
 W-M Indirect-fired Water Heaters
 W-M MaxiFlo® Pool Heaters
 W-M Radiant Heating Products
 W-M Baseboard Units

In the interest of continual improvements in product and performance, Weil-McLain reserves the right to change specifications without notice.



Locate our Sales Offices by visiting our website:
www.weil-mclain.com

Weil-McLain
 500 Blaine Street
 Michigan City, IN 46360-2388