

1464-93

CONSTRUCTION PERMIT APPLICATION

DIV. OF INSPECTION

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

I. IDENTIFICATION

1. Proposed Work-site at: 1607 W. PRINCETON AVE

2. Name of Owner in Fee: MEYER / COLLINS Tel. ()
Address 1607 W. PRINCETON AVE, ORANGE
street municipality zip code

3. Ownership in Fee: Public Private ✓

4. Principal Contractor: ROBERT E. SURBERG, INC. Tel. () 270-3777
Address 3462 E. THISTLE AVE, TOMBALL
License No. OR, if new home, Builder Reg. No. NV 3595 Exp. Date 1995
Federal Emp. No. Social Security No.

5. Architect or Engineer Tel. ()
Address

6. Responsible Person
In Charge of Work ROBERT SURBERG Tel. () 270 3777

II. PROPOSED WORK

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

TOTAL COSTS

Est. Cost

3000.

Connect Oil to gas

OPTIONAL (for office use only)

Plans Rec'd By	Date Rec'd	Rejection Date	Approval Date	Re- viewer	Resubmission Dates Approval Rejection	Re- viewer
	6-25-93		6/28/93 6-28-93	SPH	7/19/93	SM

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

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

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

V. FEE SUMMARY (for office use only)

		Update	Update
1. Building	\$		
2. Electrical			
3. Plumbing		45-	
4. Fire Protection		79-	
5. Other			
6. Subtotal	\$	124-	
7. Less 20% for State Plan Review			
8. Subtotal	\$		
9. DCA Training Fee		2-	
10. Subtotal	\$		
11. Cert. of Occupancy		20-	
12. Other			
13. TOTAL	\$	146-	

VI. BUILDING/SITE CHARACTERISTICS

(office use only)

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

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 _____

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 ROBERT E. SURBURG, INC.

Address 3462 E. THISTLE AVE
TOWNS RIVER

Telephone () 270 3777

Signature Robert E. Surburg Date 6/25/93

OFFICE DATE RECEIVED: _____

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

COMMENTS

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

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

X. CERTIFICATES ISSUED (office use only)

DATE EXPIRED

- | | | |
|---|-----------|-------|
| ☐ Temporary Certificate of Occupancy | No. _____ | _____ |
| ☐ Temporary Certificate of Occupancy | No. _____ | _____ |
| ☐ Continued Certificate of Occupancy | No. _____ | _____ |
| ☐ Certificate of Occupancy | No. _____ | _____ |
| ☐ Certificate of Approval | No. _____ | _____ |
| ☐ None | | |

ORIGINAL
ILLEGIBLE



CONSTRUCTION
PERMIT

Date Issued 7-2-93
Control #
Permit # 1464-93

IDENTIFICATION Block 222 Lot 21

Work Site Location _____ Contractor _____

Address _____

Owner in Fee William J. Collins

Address 1307 W. 1st St.

Tele. () _____

Lic. No. or Bldrs. Reg. No. _____ Exp. Date _____

Federal Emp. No. _____

or Social Security No. _____

is hereby granted permission to perform the following work:

[] BUILDING [x] PLUMBING [] OTHER _____

[] ELECTRICAL [x] FIRE PROTECTION

DESCRIPTION OF WORK:

Connect 1st to 2nd.

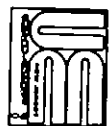
NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work \$ 3000.

U. A. Collins
CONSTRUCTION OFFICIALS

PAYMENTS (Office Use Only)

Building	_____	
Plumbing	<u>45</u>	<u>00.00</u>
Electrical	<u>1464</u>	<u>00.00</u>
Fire Protection	<u>71</u>	<u>00.00</u>
Other	<u>000</u>	<u>00.00</u>
Other	<u>000</u>	<u>00.00</u>
DCA Training Fee	<u>3</u>	<u>00.00</u>
Cert. of Occ.	<u>21</u>	<u>00.00</u>
Other	<u>000</u>	<u>00.00</u>
Total	<u>1464</u>	<u>00.00</u>
Check No.	<u>1127</u>	<u>00.00</u>
Cash	<u>000</u>	<u>00.00</u>
Collected By:	<u>000</u>	<u>00.00</u>



**FIRE PROTECTION
SUBCODE
TECHNICAL SECTION**



File to go

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

Wet Sprinkler Heads

Dry Sprinkler Heads

TOTAL

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

REPAIRS DONE

33

79-

79-

79-

79-

79-

79-

79-

79-

79-

79-

79-

Date Received
Date Issued
Control #
Permit #

7-2-93
1464-93

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

Block *822* Lot *24*

Work Site Location *1607 W. NEWPORT AVE*

Owner in Fee *WILLIAM J. COLEMAN*

Address *1607 W. NEWPORT AVE*

Tele. () *270-3777*

Contractor *PAUL E. SUTHERLAND, INC.*

Address *3902 E. 7TH ST. AVE*

Tele. () *270-3777*

Lic. No. *AL 3595*

Federal Emp. No. _____ or Social Security No. _____

B. FIRE PROTECTION CHARACTERISTICS

Use Group Present *AWENB* Proposed _____

Const. Class. Present _____ Proposed _____

Heating Systems [] New [] Existing

Type: [] Gas [] Oil [] Electrical [] Solar

[] Other *Complete all*

Location: _____

Total Est. Cost of Fire Prot. Work \$ _____ [] Other _____

JOB SUMMARY (Office Use Only)

PLAN REVIEW: _____

[] No Plans Required

Joint Plan Review Required: _____

[] Bldg. [] Plumb.

[] Elec. [] Elevator

[] Fire Plans Approved

Date: *6/28/93*

Approved by: _____

SUBCODE APPROVAL: _____

[] CO [] CCB [] CA

Date: _____

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.

SIGNATURE *Paul E. Sutherland*

FEE (Office Use Only)

46-

Administrative Surcharge \$ *79-*

Minimum Fee \$ *79-*

DCA Training Fee \$ *79-*

TOTAL FEE \$ *79-*

PLUMBING SUBCODE TECHNICAL SECTION



Date Received 7-2-93
Date Issued
Control #
Permit # 1464-93

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

Block 822 Lot 21
Work Site Location 1607 W. PENNSYLVANIA AVE
Owner in Fee MEYER HOLDINGS
Address 1607 W. PENNSYLVANIA AVE
Tele. () 270 3777
Contractor REBECCAH E. STEVENS, INC.
Address 3402 E. THURSTON AVE
Tele. () 270 3777
Lic. No. AL 3595 or Social Security No. _____
Federal Emp. No. _____

B. PLUMBING CHARACTERISTICS

Use Group Present Proposed _____
Building Sewer Size _____
Water Service Size _____
Estimated Cost of Plumbing Work \$ 3000

JOB SUMMARY (Office Use Only)

PLAN REVIEW:	INSPECTIONS:	Dates (Month/Day)
	Type:	Failure Failure Approval Initial
☐ No Plans Required	Slab	
☐ Joint Plan Review Required:	Rough	
☐ Bldg. ☐ Elec. ☐ Fire	Water	
☐ Plumb. Plans Approved	Sewer	
Date: <u>6-28-93</u>	Fixtures	
Approved by: <u>[Signature]</u>	Gas Equipment	
SUBCODE APPROVAL:	Gas Final	
☐ CO ☐ CEE ☐ CA	Solar	
Approved by: <u>[Signature]</u>	TCO	
Date: <u>7/14/93</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.

☒ Licensed Plumbing Contractor ☐ Exempt Applicant

[Signature]
Signature-Contractor Seal

D. TECHNICAL SITE DATA (List all fixtures.)

oil to gas
PERMANENT BAKER, WATER HEATER, GNS PIPING

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	
	Gas Piping	<u>15-</u>
	Fuel Oil Piping	<u>5-</u>
	Water Heater	<u>15-</u>
	Steam Boiler	
	Hot Water Boiler	
	Sewer Pump	
	Interceptor/Separator	
	Backflow Preventer	
	Greasetrap	
	Water Cooled A/C	
	or Refrigeration Unit	
	Sewer Connection	
	Water Service Connection	
	Gas Service Connection	
	Active Solar System	
	Other	<u>10-</u>

Administrative Surcharge \$ _____
Paid ☐ Check # _____ Minimum Fee \$ _____
Collected by: _____ TOTAL \$ 45-

PLUMBING
SUBCODE
TECHNICAL SECTION



Date Received
Date Issued
Control #
Permit #

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

Block 1607 Lot 21
Work Site Location 1607 W. SPRINGFIELD AVE
Owner in Fee APRICE / MURKIN
Address 1607 W. SPRINGFIELD AVE
Tele. () 270 3777
Contractor PROCT & SONS, INC.
Address 2412 E. THURMAN AVE
Tele. () 270 3777
Lic. No. 413595 or Social Security No.
Federal Emp. No.

B. PLUMBING CHARACTERISTICS

Use Group Present Proposed
Building Sewer Size
Water Service Size
Estimated Cost of Plumbing Work \$ 4500

JOB SUMMARY (Office Use Only)

PLAN REVIEW:	INSPECTIONS:	Dates (Month/Day)
	Type:	Failure Failure Approval Initial
☐ No Plans Required	Slab	
☐ Joint Plan Review Required:	Rough	
☐ Bldg. ☐ Elec. ☐ Fire	Water	
☐ Plumb. Plans Approved	Sewer	
Date: <u>6-28-93</u>	Fixtures	
Approved by: <u>Q.H.</u>	Gas Equipment	
	Gas Final	
SUBCODE APPROVAL:	Solar	
☐ CO ☐ CCO ☐ CA	TCO	
Date: <u>6-28-93</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.

☒ Licensed Plumbing Contractor ☐ Exempt Applicant

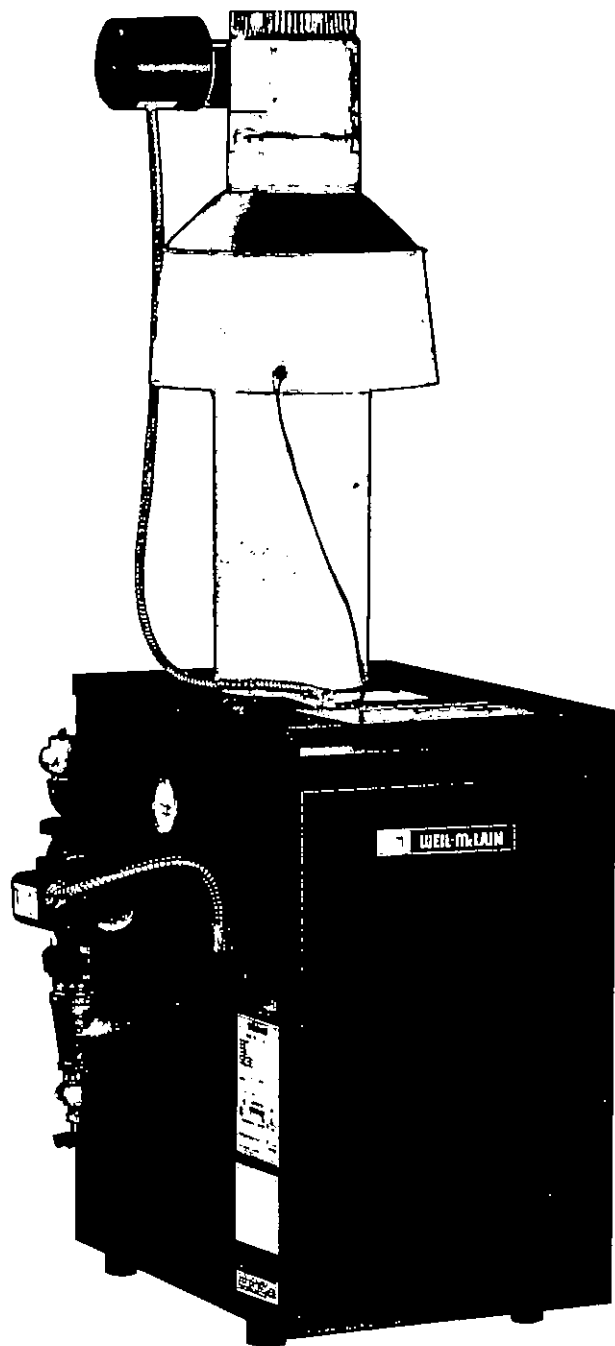
Signature-Contractor Seal

D. TECHNICAL SITE DATA (List 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	
	Gas Piping	15-
	Fuel Oil Piping	
	Water Heater	5-
	Steam Boiler	
	Hot Water Boiler	15-
	Sewer Pump	
	Interceptor/Separator	
	Backflow Preventer	
	Greasetrapp	
	Water Cooled A/C	
	or Refrigeration Unit	
	Sewer Connection	
	Water Service Connection	
	Gas Service Connection	
	Active Solar System	
	Other	10-

Administrative Surcharge \$
Paid ☐ Check # 1464-93 Minimum Fee \$
Collected by: 4500 TOTAL \$

WEIL-McLAIN



**NEW! CG-SPD WITH STANDING
PILOT AND AUTOMATIC VENT DAMPER**

AMERICA'S MOST COMPLETE LINE OF CAST IRON BOILERS
RESIDENTIAL . . . COMMERCIAL . . . INDUSTRIAL . . . INSTITUTIONAL

CG

SERIES 11

**HIGH-EFFICIENCY
GAS BOILER**

NET LOAD RANGE

**HOT WATER:
37,000 to
176,000 BTU/Hr.**



Design certified by
American Gas Association



Net ratings are approved by
The Hydronics Institute

DOE

Heating capacities based on
standard test procedures
prescribed by the United States
Department of Energy



Built in accordance
with the requirements
of the ASME Boiler and
Pressure Vessel Code

**Before purchasing this
appliance, read important energy
cost and efficiency information
available from your retailer.**

CG

HIGH-EFFICIENCY GAS BOILER

WEIL-McLAIN
MICHIGAN CITY INDIANA

The Weil-McLain CG cast iron gas boiler is available in two models:

- **CG-SPD**—80% efficiency model with standing pilot
- **CG-PID**—82% efficiency model with intermittent electronic ignition system

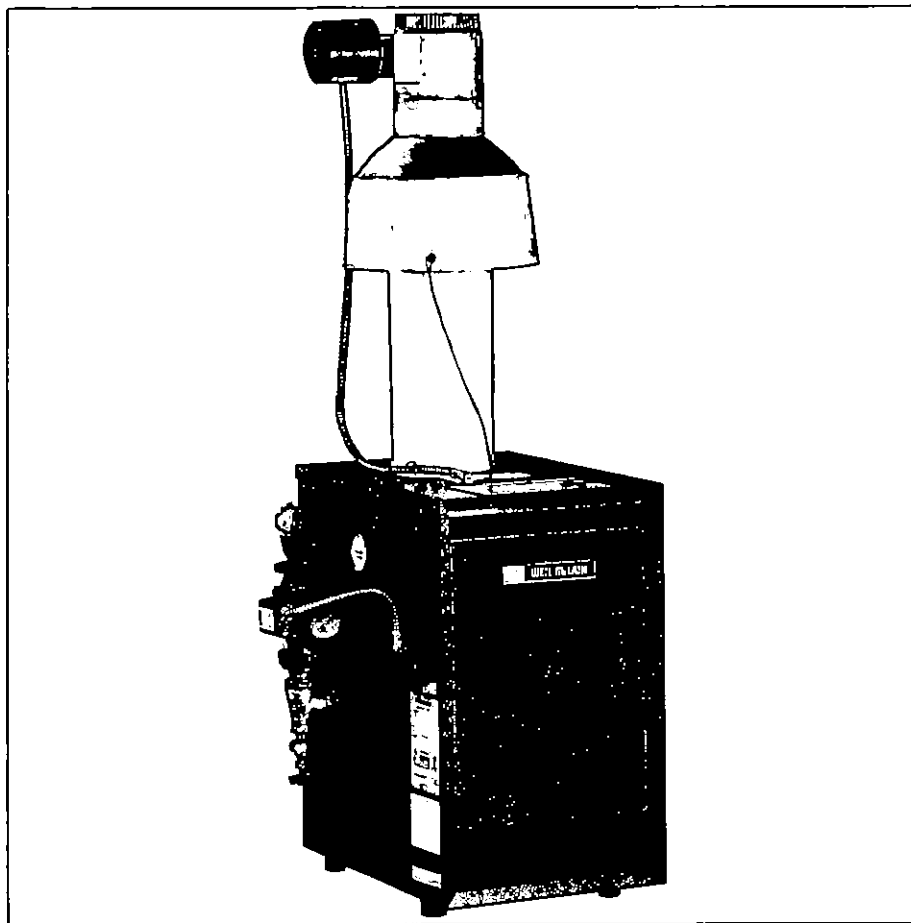
Both models are furnished with an automatic vent damper to increase operating efficiency and save fuel.

The CG boiler is available in seven sizes with net I-B-R ratings from 37,000 to 176,000 BTU/HR. The unit is designed for forced hot water heating systems in new homes and apartments ... or for replacement of old, inefficient heating equipment.

The CG is designed and engineered for fast installation ... reliable operation ... convenient servicing ... high efficiency ... and long life.

Most important, the CG is made by Weil-McLain, America's leading name in cast iron boilers for over 110 years.

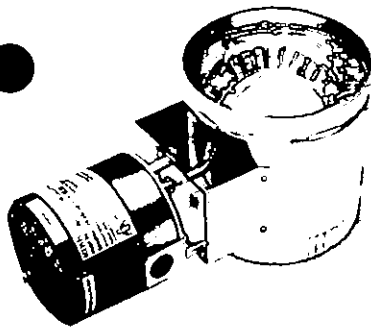
DESIGN ADVANTAGES



- 1 HIGH OPERATING EFFICIENCY.** CG-SPD operates at 80%; CG-PID at 82%.
- 2 FACTORY-TESTED.** Every boiler is water- and fire-tested to assure reliable operation.
- 3 AUTOMATIC VENT DAMPER.** Prevents heat from escaping up the chimney when the burners are not operating. Saves fuel.
- 4 VENT PROVING CONTROLS.** Rollout thermal fuse element and spill switch shut down the boiler if blockage occurs in either the boiler or venting system.
- 5 COMPACT DESIGN.** Saves valuable space.
- 6 NEW PARTS APPROACH.** Repair parts furnished in convenient kits with everything needed.
- 7 CONVENIENT SERVICING.** Easily accessible controls ... simple wiring ... top cleaning ... vertical flueways.
- 8 STEEL JACKET.** Finished in attractive blue enamel ... insulated to retain heat and clear of the floor to prevent rust.
- 9 PROTECTIVE CRATE.** The boiler is mounted on a pallet in a sturdy wirebound wooden crate. Ready for fast installation.
- 10 ALUMINIZED STEEL BURNERS.** Feature quiet ignition and extinction. Burners provide fixed primary air ... no air adjustment required.
- 11 5-YEAR HOMEOWNER PROTECTION PLAN—OPTIONAL.** Covers boiler parts supplied by Weil-McLain and labor for all eligible repairs. Available through participating installers.

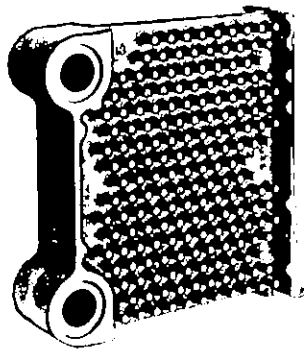


AUTOMATIC VENT DAMPER



A tested and approved automatic vent damper is furnished as standard equipment. The damper prevents heat from escaping up the chimney when the boiler is not operating to increase efficiency, save fuel. Simple plug-in connectors assure mistake-proof wiring.

CAST IRON CONSTRUCTION



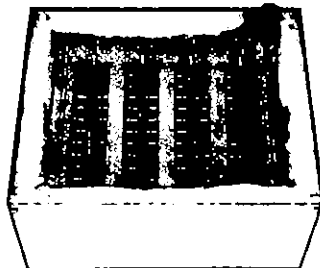
Boiler sections are made of durable cast iron for strength and long life. It's not uncommon for Weil-McLain cast iron boilers to last 35 years or more.

The vertical flue passages are studded with tips that cause the hot gases to swirl about, scrubbing 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 gas tightness.

CONVENIENT SERVICING

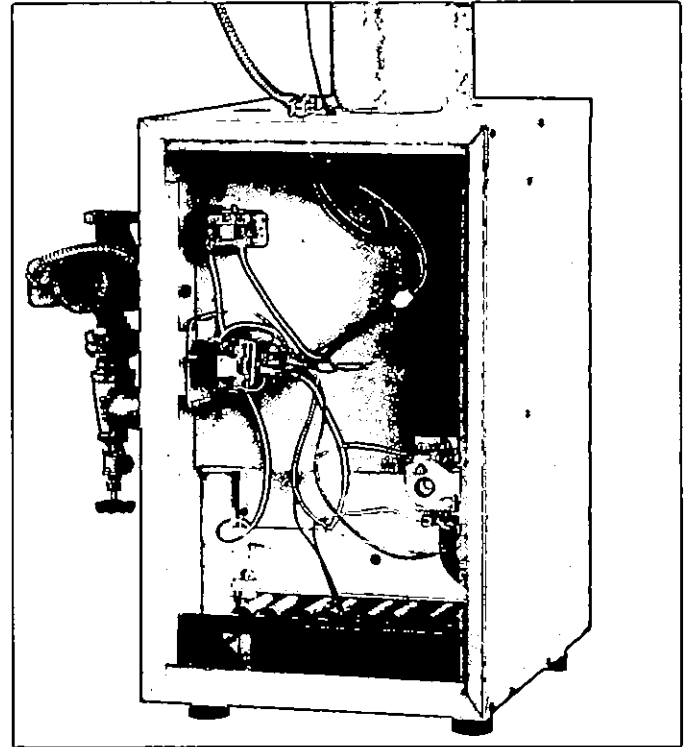


Keeping the CG in top operating condition is a simple matter. Removing the back half of the top jacket panel, collector hood, and radiation plates exposes the flueways for easy cleaning.

Removing the front jacket door and front base panel allows access to the burners.

CONTROL SYSTEMS

CG-SPD



The CG-SPD is furnished with a standing pilot system electrically interlocked with the automatic vent damper.

When the thermostat calls for heat —

- Circulator starts and damper begins to open
- When the damper is proven open (in approximately 15 seconds) the gas valve opens to ignite the main burners

When the thermostat is satisfied —

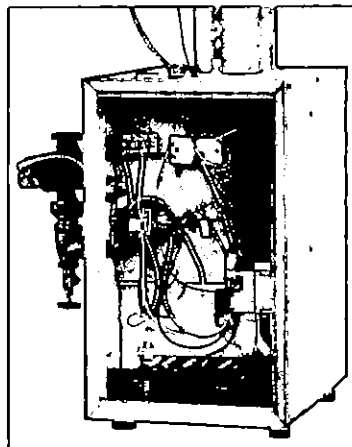
- Circulator stops; damper begins to close
- Gas valve closes
- Damper is fully closed within approximately 15 seconds

If boiler water temperature reaches the high limit setting —

- Gas valve closes
- Damper closes in approximately 15 seconds
- Circulator keeps running

The CG control system is design certified by A.G.A. and all components are UL-listed.

CG-PID



Operating sequence is the same as above except there is no constant burning pilot. Instead an electronic spark ignites the pilot.

HIGH-EFFICIENCY GAS BOILER

WEIL-McLAIN
MICHIGAN CITY INDIANA

RATINGS



DOE



Water Boiler Number▲	A.G.A. Input BTU/Hr.	DOE Heating Capacity BTU/Hr.*	Net I-B-R Ratings-Water BTU/Hr.**	DOE Seasonal Efficiency Percent (AFUE)			Chimney Size
				High- Efficiency Model (SPDN)	High- Efficiency Model (SPDL)	Highest- Efficiency Model (PIDN)	
CG-25	52,000	43,000	37,000	80.2	80.4	83.0	4" I.D. x 20'
CG-3	70,000	58,000	50,000	80.1	80.7	82.2	4" I.D. x 20'
CG-4	105,000	88,000	77,000	80.4	81.4	82.9	5" I.D. x 20'
CG-5	140,000	117,000	102,000	80.4	81.5	82.5	6" I.D. x 20'
CG-6	175,000	145,000	126,000	80.5	81.8	82.2	6" I.D. x 20'
CG-7	210,000	174,000	151,000	80.5	81.7	81.8	7" I.D. x 20'
CG-8	245,000	202,000	178,000	80.5	81.8	81.4	7" I.D. x 20'

▲ Add "SPD" to designator for boiler with standing pilot. Add "PID" to designator for boiler with intermittent electronic ignition system. For SPD models add "N" for natural gas, "L" for propane (propane not available for PID).

* Based on standard test procedures prescribed by the United States Department of Energy.

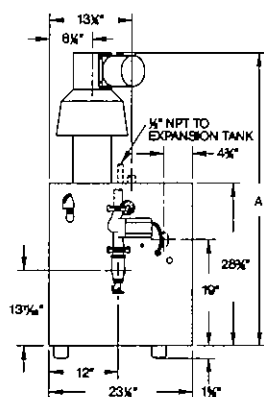
^a Not I-B-B ratings are based on not installed collection of sufficient quantity for the requirement.

* 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.

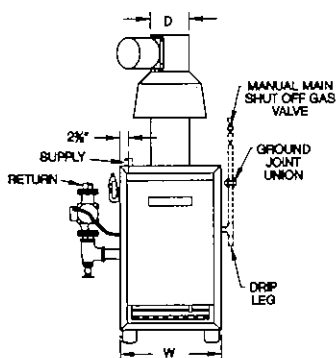
NOTE: CG boilers for residential radiant panel systems, converted gravity heating systems, or other low water temperature applications should be installed with balancing valves and by-pass piping equal to the supply and return size to avoid excessive flue gas condensation due to lower operating water temperatures.

NOTE: CG boilers are A.G.A. design certified for installation on combustible flooring. Tested for 50 PSI working pressure. Not available for millivolt systems.

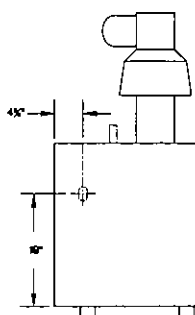
DIMENSIONS



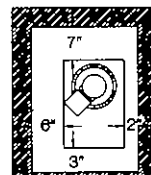
LEFT END



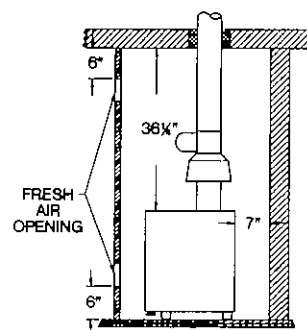
FRONT



RIGHT END



TOP VIEW



SIDE ELEVATION

MINIMUM CLEARANCE FOR CLOSET INSTALLATIONS

Water Boiler Number	Number & Size of		Dimensions—Inches			Gas Connection Size** Natural and Propane	Crate Dimensions (outside measurements—in.)		
	Supply (NPT)*	Return (in circulator)	A	D	W		Length	Width	Height
CG-25	1-1/4"	1-3/4"	45%	4	10	1/2	27	27 1/2	31 1/2
CG-3	1-1/4"	1-1"	52%	4	10	1/2	27	27 1/2	31 1/2
CG-4	1-1/4"	1-1"	54%	5	13	1/2	27	27 1/2	31 1/2
CG-5	1-1/4"	1-1"	57%	8	16	1/2	30	27 1/2	31 1/2
CG-6	1-1/4"	1-1 1/4"	60%	6	19	1/2	33	27 1/2	31 1/2
CG-7	1-1/4"	1-1 1/4"	62%	7	22	3/4	36	27 1/2	31 1/2
CG-8	1-1/4"	1-1 1/2"	64%	7	25	3/4	42	27 1/2	31 1/2

*1 1/4" supply tapping in left end section. Bush to 3/4" for CG-25; increase to 1 1/2" for CG-8

* Sizes shown are gas connection sizes. Gas piping from meter to boiler to be sized according to local utility requirements.

STANDARD EQUIPMENT

Factory Fire Tested
 Insulated Extended Jacket
 Built-In Air Separator
 Vertical Draft Hood (In separate carton)
 Automatic Vent Damper
 Radiation Plates
 Combination Gas Valve for 24 Volt
 Non-Linting Pilot Burner
 Aluminized Steel Burners
 Combination Relay Receptacle and 40 VA Transformer
 Electrical Junction Box
 Plug-in Circulator Relay
 Spill Switch
 Rollout Thermal Fuse Element
 High-Limit Temperature Control
 Circulator (Taco 007 or B&G LR-20)
 30 PSI ASME Relief Valve (boiler sections rated for 50 PSI
 working pressure)

**Combination Pressure-Temperature Gauge
Boiler Drain Valve**

HIGH EFFICIENCY MODEL-SPD

Constant Burning, Thermally Supervised Pilot System Thermocouple

HIGHEST EFFICIENCY MODEL—PID

Intermittent Electronic Ignition Pilot System

ADDITIONAL EQUIPMENT

Teco 110 Circulator
B&G 100 Circulator
Gas Conversion Kits
Fill-Trol System (compression tank, fill and check valve, automatic
air vent and fittings)—#109 Sizes 25 thru 5; #110 Sizes 8 thru 8—
shipped in separate carton

In the interest of continual improvement in products and performance, Well-McLain reserves the right to change specifications without notice.

WEIL-McLAIN

Michigan City, Indiana 46360



A Division of The Marley Company

In Canada: Marley Canadian, Inc., 126 East Dr., Brampton, Ontario L6T 1C2

Form No. C-553R16(392)

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Litho in U.S.A.

3462 EAST THISTLE AVENUE • TOMS RIVER, NEW JERSEY 08753 • TELEPHONE 908 270-3777

10 2 6 8 16

3/4" 1/2" 3/4" 1/2" 1" 1"

04R 55M 04R 40M

METER 22M METER

BOILER 140 M

TOTAL BTU = 277,000

TOTAL DEV. LEN = 55'

GAS PIPING

Robert Ludwig

MASTER PLUMBER STATE OF NEW JERSEY LIC. #3595
PLUMBING HEATING AIR CONDITIONING PIPING