



Township Archives
Township of Brick, NJ
401 Chambers Bridge Rd, Brick, NJ 08723

***This File Contains Personal Identifiable
Information of Private Citizen(s).***

Certain information contained in this file is *Exempt from Release* under the Open Public Records Act (OPRA) (Public Law 2001, CHAPTER 404 (N.J.S.A. 47:1A-1 et seq.)) and Executive Orders issued by the Governor of New Jersey. The following information *MUST* be redacted prior to release:

- Social Security Numbers
- Drivers' License Numbers
- Unlisted Phone Numbers
- Credit Card Numbers
- Bank Account Numbers and Balances

For further information, consult with the Township Clerk, Township Archivist or Township Attorney prior to release.

Bryan J. Dickerson, CA, CMR
Township Archivist

Issued: 8 January 2020



CONSTRUCTION PERMIT APPLICATION

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

I. IDENTIFICATION

1. Proposed Work Site at: 21 Rochester Dr Brick 08723
 2. Name of Owner in Fee: Hinton
 Te [redacted] e-mail _____
 Address Same AS Above
 street municipality zip code
 3. Ownership in Fee: Public ☒ Private _____
 4. Principal Contractor: Beehive Htg + Cig Tel. (____) _____
 Address 21 Rochester Dr e-mail _____
Brick 08723
 License No. OR, if new home, Builder Reg. No. _____ Exp. Date _____
 Home Improvement Contractor Registration No. or Exemption Reason (if applicable): 13 VHGI343200
 Federal Emp. ID No. 223 654 149 FAX: (732) 818 1543
 5. Architect or Engineer _____ Contact _____
 Address _____ e-mail _____
 Tel. (____) _____ FAX: (____) _____
 6. Responsible Person in Charge once Work has Begun Boh Johnson
 Tel. (732) 408 0200 FAX: (732) 818 1543

V. FEE SUMMARY (for office use only)

		Update	Update
1. Building	\$ <u>40</u>	☒	☒
2. Electrical	\$ <u>00</u>	☒	☒
3. Plumbing	\$ <u>140</u>	☒	☒
4. Fire Protection	\$ <u>40</u>	☒	☒
5. Elevator Devices	\$ _____		
6. Subtotal	\$ _____		
7. Less 20% for State Plan Review	\$ <u>9</u>		
8. Subtotal	\$ _____		
9. State Permit Surcharge Fee	\$ _____		
10. Subtotal	\$ _____		
11. Cert. of Occupancy	\$ _____		
12. Other	\$ _____		
13. TOTAL	\$ <u>229</u>	☒	☒

VI. BUILDING/SITE CHARACTERISTICS

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. Max. Live Load _____
 7. Max. Occupancy Load _____
 8. If Industrialized Building: State Approved _____ HUD _____
 9. Total Land Area Disturbed _____ sq. ft.
 10. Flood Hazard Zone _____
 11. Base Flood Elevation _____ ft.
 12. Wetlands yes _____ no _____

(office use only)

NO
NO
NO
NO

IIa. PROPOSED WORK

- ☐ Minor Work ☐ New Building ☐ Addition ☐ Demolition
☐ Repair ☐ Alteration ☐ Renovation ☐ Reconstruction
☐ Asbestos Abat. -Subch. 8 ☐ Lead Hazard Abatement ☐ Radon Remediation ☐ Annual Permit

IIb. SUBCODES

(Check all that apply)

- ☐ Building
☐ Electrical
☐ Plumbing
☐ Fire Protection
☐ Elevator

FOR OFFICE USE ONLY (Optional)								
Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Rejection	Re-viewer
<u>600</u>	<u>KD</u>	<u>11/25/09</u>		<u>12/2/09</u>	<u>KA</u>			
<u>400</u>				<u>12-1-9</u>	<u>AS</u>			
<u>4280</u>			<u>12-1-09</u>		<u>21</u>	<u>5/25/10</u>	<u>12-10-09</u>	<u>MA</u>
<u>4517</u>				<u>6-27-10</u>	<u>OS</u>			
<u>977</u>								

TOTAL COST

SD

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL (primary use)

1. State Specific Use: _____
 2. Use Group, Proposed: _____
 3. Change in Use Group, Indicate Present: _____
 4. No. of dwelling units: Total Units Income-restricted
 Gained, Sale _____
 Gained, Rental _____
 Lost, Sale _____
 Lost, Rental _____

B. NON-RESIDENTIAL (primary use)

1. State Specific Use: _____
 2. Use Group, Proposed: _____
 3. Change in Use Group, Indicate Present: _____

C. MIXED USE -List secondary use(s): _____

D. Construct. Classification: Present _____

Proposed _____

III. PLAN REVIEW (optional)

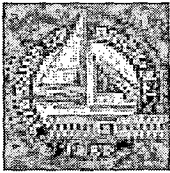
DO YOU WANT:

1. ☐ Partial Releases
 2. ☐ Prototype Processing

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
 10. ☐ Swimming Pools, Spas and Hot Tubs
 11. ☐ LPGas Tanks

called 6/8/10



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 12/17/2021
Control Number C-09-004306
Permit Number 09-3035
Permit Issue Date 12/15/2009
Certificate Number 09-3035

Certificate
Construction Code Division
(Certificate of Approval)

Identification

Work Site Location: 21 ROCHESTER DR. Brick Township, NJ Block: 211.01 Lot: 8 Qual: _____
Owner in Fee: HANLON, CATHERINE
Owner Address: 21 ROCHESTER DR BRICK NJ 08723
Telephone: [REDACTED]
Contractor SCOTT SCHOEN
Address 1062 LAKEHURST AVENUE JACKSON NJ 08527
Telephone: (732) 408-0200 Fax: _____ Federal Emp. Number: _____
License Number or Builders Registration Number: _____

Home Warranty Number: _____ Type of Warranty Plan: ☐ State ☐ Private
Use Group: R-5 Construction Classification: _____
Maximum Live Load: 0 Maximum Occupancy Load: 0
Description of Work/Use: BACKFLOW PREVENTER, REPLACEMENT BOILER, REPLACEMENT WATER HEATER

Certificate Comments:

☐ **Certificate of Occupancy**

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

☒ **Certificate of Approval**

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

☐ **Certificate of Continued Occupancy**

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

☐ **Temporary Certificate of Compliance**

The following conditions must be met no later than _____ or the owner will be subject to fine or order to vacate:
This certificate has an expiration date of: _____
Conditions to be met:

☐ **Certificate of Clearance - Lead Abatement 5:17**

This serves notice that based on written certification, lead abatement was performed as per NJAC5:17 to the following extent.

- ☐ Total removal of lead-based paint hazards in scope of work
☐ Partial or limited time period (_____ years); see file

☐ **Certificate of Clearance - Asbestos Abatement**

This serves notice that based on written certification, asbestos abatement was performed to the following extent.

- ☐ Total removal of asbestos hazards in scope of work
☐ Partial or limited time period (_____ years); see file

☐ **Certificate of Compliance**

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

☐ **Temporary Certificate of Occupancy**

The following conditions must be met no later than: _____ or the owner will be subject to fine or order to vacate:
This certificate has an expiration date of: _____
Conditions to be met:

David Newman Jr.

Construction Official

Date Printed: 12/17/2021

U.C.C. F260 (rev. 08/05)

Fee: \$0.00

Check Number: _____

Collected By: _____

Page 1

TOWNSHIP OF BRICK

OCEAN COUNTY, NEW JERSEY
401 CHAMBERS BRIDGE ROAD, BRICK, N.J. 08723

John G. Ducey, Mayor

Township Council:

Paul Mummolo - President
Heather deJong - Vice President
Jim Fozman
Susan Lydecker
Bob Moore
Marianna Pontoriero
Andrea Zapcic



Division of Engineering

Elissa C. Commins, PE, PP, CME, CPWM, CFM
Township Engineer & Floodplain Manager
Ecommins@twp.brick.nj.us

732-262-1040
Fax: 732-262-2941
www.twp.brick.nj.us

9/25/2015

Linda Chris/Catherine Hanlon
21 Rochester Drive
Brick, NJ 08723

Re: Compliance of a Substantially Damaged Structure
21 ROCHESTER DR.
Block 211.01; Lot 8

Dear Linda Chris/Catherine Hanlon:

The structure located at the above referenced property was deemed substantially damaged on 10/15/2014 as a result of floodwaters. As a result, an **As-Built** Flood Elevation Certificate that demonstrates full compliance with local ordinance and FEMA Flood Plain Regulations is required to remove this structure from the Township's Substantially Damaged Database.

I am in receipt of a Flood Elevation Certificate provided for the structure dated 7/31/2015, as prepared by Robert W. Smith Jr., PLS, for the **Finished Construction**.

A review of this information has determined that the structure has been reconstructed at elevation 12.7, which is above the Preliminary Flood Insurance Rate Map Elevation of AE 9 and the one-foot of freeboard as required by Section 196 of the Township Code. This meets your elevation requirements and complies with the Preliminary Flood Insurance Rate Map designation.

Based upon the Finished Construction Flood Elevation Certificate provided, a review for full compliance can be determined at this time.

This letter does constitute a complete review for full compliance with FEMA Flood Plain Regulation.

If you should have any questions, comments or require any additional information, please do not hesitate to contact me. My email address is ecommins@twp.brick.nj.us or by phone at 732.262.1027.

Sincerely,

A handwritten signature in black ink, appearing to read "Elissa C. Commins".

Elissa C. Commins, P.E., C.F.M.
Municipal Engineer, Flood Plain Manager

Cc: Daniel Newman, Construction Official



TOWNSHIP OF BRICK

OCEAN COUNTY, NEW JERSEY
401 CHAMBERS BRIDGE ROAD, BRICK, N.J. 08723

John G. Ducey, Mayor

Township Council:

Susan Lydecker - President
Jim Fozman - Vice President
Heather deJong
Bob Moore
Paul Mummolo
Marianna Pontoriero
Andrea Zapcic



Department of Administration,
Finance & Public Affairs

Division of Engineering
Elissa C. Commins, PE, PP, CME, CPWM, CFM
Township Engineer & Floodplain Manager
ecommins@twp.brick.nj.us

732-262-1040
Fax: 732-262-2941
www.twp.brick.nj.us

10/15/2014

Linda Chris
21 Rochester Drive
Brick, NJ 08723

Re: Substantially Damaged Structure Determination
21 Rochester Drive
Block 211.01; Lot 8

Dear Linda Chris:

As a result of a substantial damage determination, the Township of Brick has determined that your structure received damages exceeding 50% of its pre-damage, fair market value as a result of the flooding that occurred on October 29, 2012.

Your estimated cost of repair is \$89644, based upon the contractor's estimates provided.

The fair market value of the structure is estimated to be \$179227.

In accordance with the Coded Ordinances of the Township of Brick, Section 196 and with FEMA regulations 44 CFR 60.0, the structure does meet the definition of substantially damaged. As a result, you will be required to retrofit the structure to be compliant in conjunction with your repairs.

The Township Flood Damage Prevention Ordinance can be found at <http://www.ecode360.com/6897191>.

If you should have any questions, comments or require any additional information, please do not hesitate to contact us. Please email Erin Bolger at ebolger@twp.brick.nj.us or via phone at 732.262.1040.

Sincerely,

Elissa C. Commins, P.E., C.F.P.M.
Township Engineer, Flood Plain Manager

Cc: Daniel Newman, Construction Official





FIRE PROTECTION SUBCODE TECHNICAL SECTION



Date Received
Control #

Date Issued
Permit #

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

Block 211.01 Lot 8 Qualification Code _____

Work Site Location 21 Rochester Dr

Briarcliff NJ 08723

Owner in Fee: Hanon

Tel. _____ e-mail _____

Address James Hs Above

Contractor: Beehive Hgt Cig Tel. (732) 408 0800

Address 1002 Lakehurst Ave e-mail info@beehivehgt.com

Jackson NJ 08527

Fire Protection Equipment, NJ Div of Fire Safety Permit No. _____

Fire Protection Equipment, NJ Div of Fire Safety Installer No. _____

Fire Alarm Contractor No. _____ Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): 13VH01343200

Federal Emp. ID No. 223 654 149 FAX: (732) 818 1543

B. FIRE PROTECTION CHARACTERISTICS

Use Group: Present _____ Proposed _____

Constr. Class: Present _____ Proposed _____

Heating System: ☒ New OR ☐ Modification to Existing

OR ☐ Conversion OR ☒ Replacement

Fuel Type: ☒ Gas ☐ Oil ☐ Electric ☐ Solar

Other _____

Location: _____

Total Cost of Fire Protection Work \$ 4517

Fuel Storage Tank:

Fuel Type: ☐ Flammable OR ☐ Combustible

Capacity _____

Fire Alarm System: ☐ New OR ☐ Existing

Location of Panel: _____

Fire Suppression/Standpipe System:

☐ New OR ☐ Existing

Location of Main Control Valve: _____

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 _____

Applicant's Signature/Contractor's Signature

☐ Certified Contractor ☒ Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK: Bore / Hot
Water Heater Install

Water Supply Source _____

Method of Alarm/Suppression System Supervision _____

NUMBER	FEE (Office Use Only)
Flammable/Combustible Tanks	
Alarm Systems	
☐ System	
☐ 110v Interconnected	
☐ CO Detectors/110v	
Alarm Devices (i.e., smoke, heat, pulls, water/flow)	
Supervisory Devices (i.e., tampers, low/high air)	
Signaling Devices (i.e., horn/strobes, bells)	
Other Devices _____	
TOTAL	
Suppression Systems	
Fire Pump _____ GPM Type _____	
Dry Pipe/Alarm Valves	
Pre-action Valves	
Sprinkler Heads (Dry and Wet)	
Standpipes	
Pre-engineered Systems	
Wet Chemical	
Dry Chemical	
CO ₂ Suppression	
Foam Suppression	
FM200 Suppression	
Other _____	
Other Systems	
Kitchen Hood Exhaust System	
Smoke Control System	
Fuel-Fired Appliances ☐ Gas ☐ Oil ☐ Solid _____	
Fireplace Venting/Metal Chimney	
Other _____	

JOB SUMMARY (Office Use Only)

PLAN REVIEW

☐ No Plans Required

☐ Partial -Underslab Utilities Approved

Date: _____ Approved by: _____

☐ Fire Protection Plans Approved

Date: _____ Approved by: _____

Joint Plan Review Required:

☐ Bldg. ☐ Elec. ☐ Plumb. ☐ Elev.

SUBCODE APPROVAL for PERMIT

Date: _____

Approved by: _____

SUBCODE APPROVAL for CERTIFICATE

☐ CO ☐ CCO ☐ CA

Date: _____

Approved by: _____

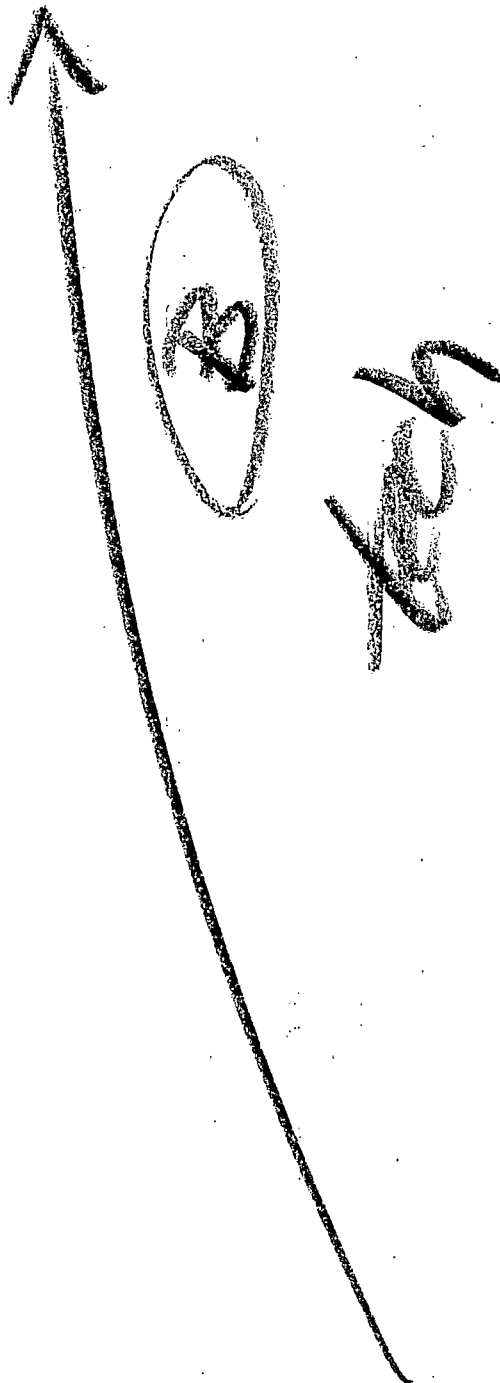
INSPECTIONS

Type:	Failure	Failure	Approval	Initial
Alarm System				
Suppression Sys.				
Standpipe				
Fire Pump				
Pre-Eng. System				
Mechanical				
Smoke Control				
TCO				
Flam/Combust Tanks				
Fireplace Venting				
Final				
Other _____				

Administrative Surcharge \$ _____
Minimum Fee \$ _____
State Permit Surcharge Fee \$ _____
TOTAL FEE \$ _____

2-2-10

FIRE CAUSE ALL PENETRATIONS





FIRE PROTECTION SUBCODE TECHNICAL SECTION



update

Date Received
Control #

09-3035-18

Date Issued
Permit #

06/17/10

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

Block 211.01 Lot 8 Qualification Code _____

Work Site Location 21 Rochester

Owner in Fee Hallon, Catherine

T. [REDACTED] e-mail _____

Address Beckwith

Contractor: Beckwith Heating & Cooling, 408-0200

Address 1062 Lakeland Avenue e-mail Jackson, NJ 08527

Fire Protection Equipment, NJ Div of Fire Safety Permit No. _____

Fire Protection Equipment, NJ Div of Fire Safety Installer No. _____

Fire Alarm Contractor No. _____ Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. _____ FAX: (____) _____

B. FIRE PROTECTION CHARACTERISTICS

Use Group: Present _____ Proposed _____

Constr. Class: Present _____ Proposed _____

Heating System: [] New OR [] Modification to Existing
OR [] Conversion OR [] Replacement

Fuel Type: [] Gas [] Oil [] Electric [] Solar
Other _____

Location: 50

Total Cost of Fire Protection Work \$ 50

Fuel Storage Tank:

Fuel Type: [] Flammable OR [] Combustible

Capacity _____

Fire Alarm System: [] New OR [] Existing

Location of Panel: _____

Fire Suppression/Standpipe System:

[] New OR [] Existing

Location of Main Control Valve: _____

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.

Applicant's Signature/Contractor's Signature

[] Certified Contractor

[] Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK:

Water Supply Source _____

Method of Alarm/Suppression System Supervision _____

	NUMBER	FEE (Office Use Only)
Flammable/Combustible Tanks	_____	_____
Alarm Systems		
[] System	_____	_____
[] 110v Interconnected	_____	_____
[] CO Detectors/110v	_____	_____
Alarm Devices (i.e., smoke, heat, pulls, water/flow)	_____	_____
Supervisory Devices (i.e., tampers, low/high air)	_____	_____
Signaling Devices (i.e., horn/strobes, bells)	_____	_____
Other Devices	_____	_____
TOTAL	_____	_____
Suppression Systems		
Fire Pump _____ GPM Type _____	_____	_____
Dry Pipe/Alarm Valves	_____	_____
Pre-action Valves	_____	_____
Sprinkler Heads (Dry and Wet)	_____	_____
Standpipes	_____	_____
Pre-engineered Systems		
Wet Chemical	_____	_____
Dry Chemical	_____	_____
CO ₂ Suppression	_____	_____
Foam Suppression	_____	_____
FM200 Suppression	_____	_____
Other	_____	_____
Other Systems		
Kitchen Hood Exhaust System	_____	_____
Smoke Control System	_____	_____
Fuel-Fired Appliances [] Gas [] Oil [] Solid	_____	_____
Fireplace Venting/Metal Chimney	_____	_____
Other	_____	_____

JOB SUMMARY (Office Use Only)

PLAN REVIEW

[] No Plans Required

[] Partial -Underslab Utilities Approved

Date: 6-2-10 Approved by: [Signature]

[] Fire Protection Plans Approved

Date: _____ Approved by: _____

Joint Plan Review Required:

[] Bldg. [] Elec. [] Plumb. [] Elev.

SUBCODE APPROVAL for PERMIT

Date: 6-2-10

Approved by: [Signature]

SUBCODE APPROVAL for CERTIFICATE

[] CO [] CCO [] CA

Date: 2-2-10

Approved by: [Signature]

INSPECTIONS

Type:	Failure	Failure	Approval	Initial
Alarm System	_____	_____	_____	_____
Suppression Sys.	_____	_____	_____	_____
Standpipe	_____	_____	_____	_____
Fire Pump	_____	_____	_____	_____
Pre-Eng. System	_____	_____	_____	_____
Mechanical	_____	_____	_____	_____
Smoke Control	_____	_____	_____	_____
TCO	_____	_____	_____	_____
Flam/Combust Tanks	_____	_____	_____	_____
Fireplace Venting	_____	_____	_____	_____
Final	_____	_____	_____	_____
Other	_____	_____	_____	_____

Administrative Surcharge \$ _____
Minimum Fee \$ _____
State Permit Surcharge Fee \$ _____
TOTAL FEE \$ _____



ELECTRICAL SUBCODE TECHNICAL SECTION



Date Received
Control #

Date Issued
Permit #

09-3035
12-15-09

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

Block 211.01 Lot 8 Qualification Code _____

Work Site Location 21 Rochester Dr

Briek 08723

Owner in Fee: Horton

Tel. _____ e-mail _____

Address Jame AS Above

Contractor: Beehive Htg + Cln Tel. 732 408 0200

Address 1062 Lakehurst Ave e-mail info@beehivehvac.com
Jackson NJ 08521

Contractor License No. _____ Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): 13VH01343200

Federal Emp. ID No. 223 654 149 FAX: 732 818 1543

B. ELECTRICAL CHARACTERISTICS

Use Group Present _____ Proposed _____

[] Pole/Pad # _____ [] Temporary [] Other _____

Building Occupied as _____ Utility Co. _____

Est. Cost of Elec. Work \$ 4000

JOB SUMMARY (Office Use Only)	
PLAN REVIEW	INSPECTIONS
☒ No Plans Required <u>12-1-9 AS</u>	Type: _____ Failure _____ Failure _____ Approval _____ Initial _____
☐ Partial -Underslab Utilities Approved	Rough _____
Date: _____ Approved by: _____	Barrier-Free _____
☐ Electric Plans Approved	Trench _____
Date: _____ Approved by: _____	Temp. Serv. _____
Joint Plan Review Required:	Constr. Serv. _____
☐ Bldg. ☐ Plumb. ☐ Fire. ☐ Elev.	TCO _____
SUBCODE APPROVAL for PERMIT	Other _____
Date: _____	Service _____
Approved by: _____	Final _____
	Barrier-Free _____
SUBCODE APPROVAL for CERTIFICATE	Temp. Cut-in-Card Date Issued _____
☐ CO ☐ CCO ☐ CA	Final Cut-in-Card Date Issued _____
Date: <u>2-4-10</u>	Annual Pool Inspection _____
Approved by: <u>[Signature]</u>	Date of Grounding and Bonding _____
	Certification _____

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 Elec. Contractor [] Certif'd Landscape Irrigation Contr'r [X] Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

Boiler / Hot Water
Heater
Install

QTY.	SIZE	ITEMS	FEE (Office Use Only)
_____	_____	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/+ HP	_____
_____	_____	KW Transformer/Generator	_____
_____	_____	AMP Service	_____
_____	_____	AMP Subpanels	_____
_____	_____	AMP Motor Control Center	_____
_____	_____	KW Elec. Sign/Outline Light	_____
1		140,000 BTU BOILER	_____

Administrative Surcharge \$ _____
Minimum Fee \$ _____
State Permit Surcharge Fee \$ _____
TOTAL FEE \$ _____



U.C.C. F130 (rev. 12/07) 1 White = Inspector Copy 2 Canary = Office Copy 3 Pink = Office Copy 4 Gold = Applicant Copy



Est. Cost of Plumbing Work \$ 14280⁰⁰

Approved by:

TCO

03.04.10 PA

☐ Licensed Plumbing Contractor ☐ Exempt Applicant

Other

Barber
Hot Water
Heater
Install

TOTAL FEE \$ _____

2 Canary = Office Copy
4 Gold = Applicant Copy

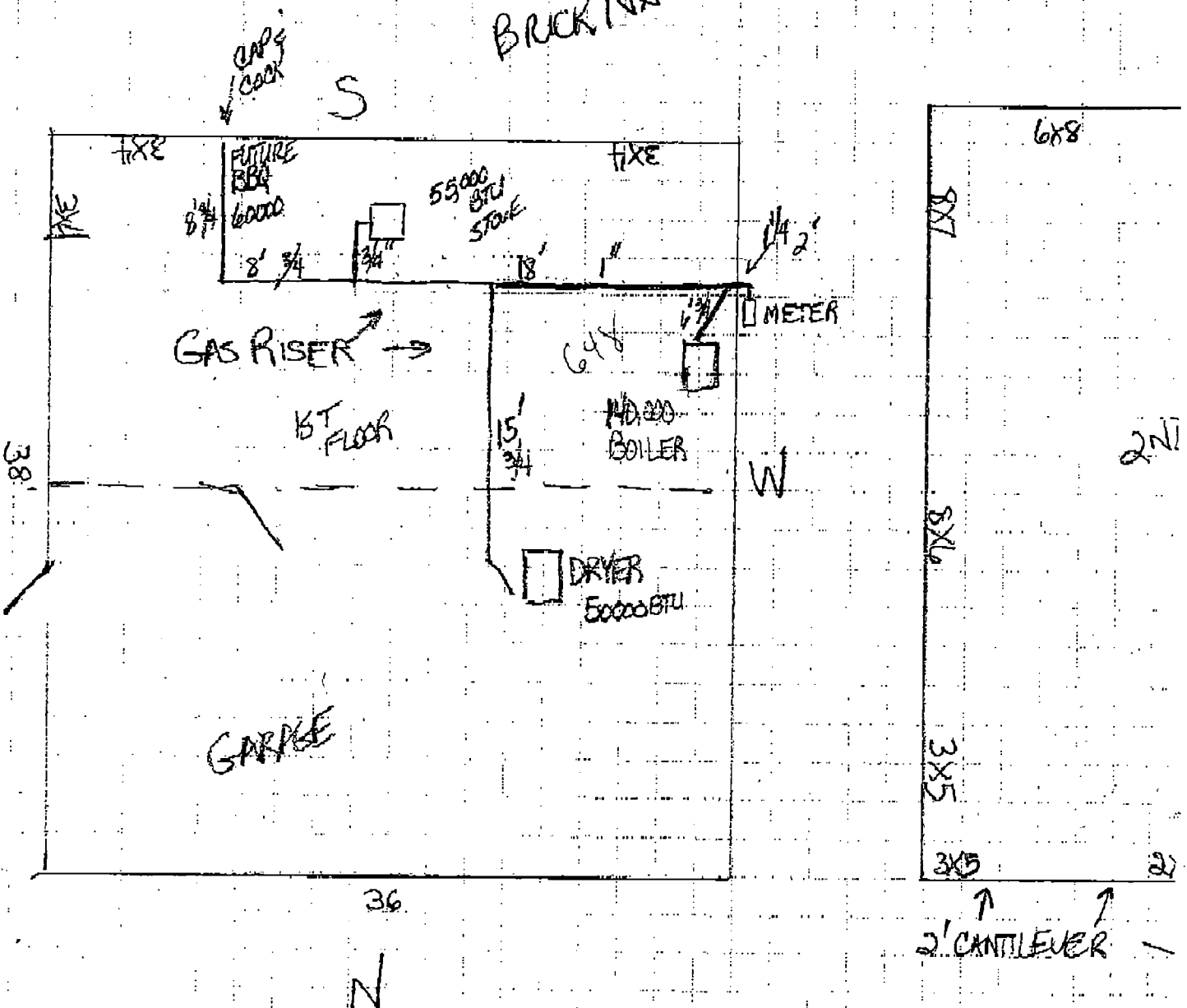
Date By

12-10-09 2

BTU TOTAL

HANLON
21 ROCHESTER DR
BRICK NJ 08723

MADMEDCO F





PERMIT UPDATE

Date Update Issued 05/11/10
Control # C-10-001776
Permit # 09-3035+A

IDENTIFICATION Block: 211.01 Lot: 8 Qualifier _____
Work Site Location: 21 ROCHESTER DR. Brick Township, NJ Contractor SCOTT SCHOEN
Address 1062 LAKEHURST AVENUE JACKSON NJ 08527
Owner in Fee HANLON, CATHERINE
21 ROCHESTER DR BRICK NJ 08723 Telephone: (732) 408-0200
Telephone: _____ Lic. No. or Bldrs. Reg. No. _____
Federal Employee No. _____

Is hereby granted permission to perform the following work:

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

DESCRIPTION OF WORK:

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 \$100

Construction Official _____

Date 6-8-10

PAYMENTS (Office Use Only)

Building	\$0
Electrical	\$0
Plumbing	\$40
Fire Protection	\$45
Elevator Devices	\$0
Other	\$0.00
DCA Training Fee	\$0
CO Fee	
Other	\$0
Total	\$85
Check No.	
Cash	\$0
Credit	\$0
Collected By	

U.C.C. F170
equiv (rev 8/03)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

REQUIRED INSPECTIONS

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

☐ Required inspections for all subcodes for one- and two-family dwellings are as follows:

1. The bottom of footing trenches before placement of footings, except that in cases 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, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and/or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
4. Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems; heat producing devices and Barrier Free subcode accessibility, if applicable.

☐ 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. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

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

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

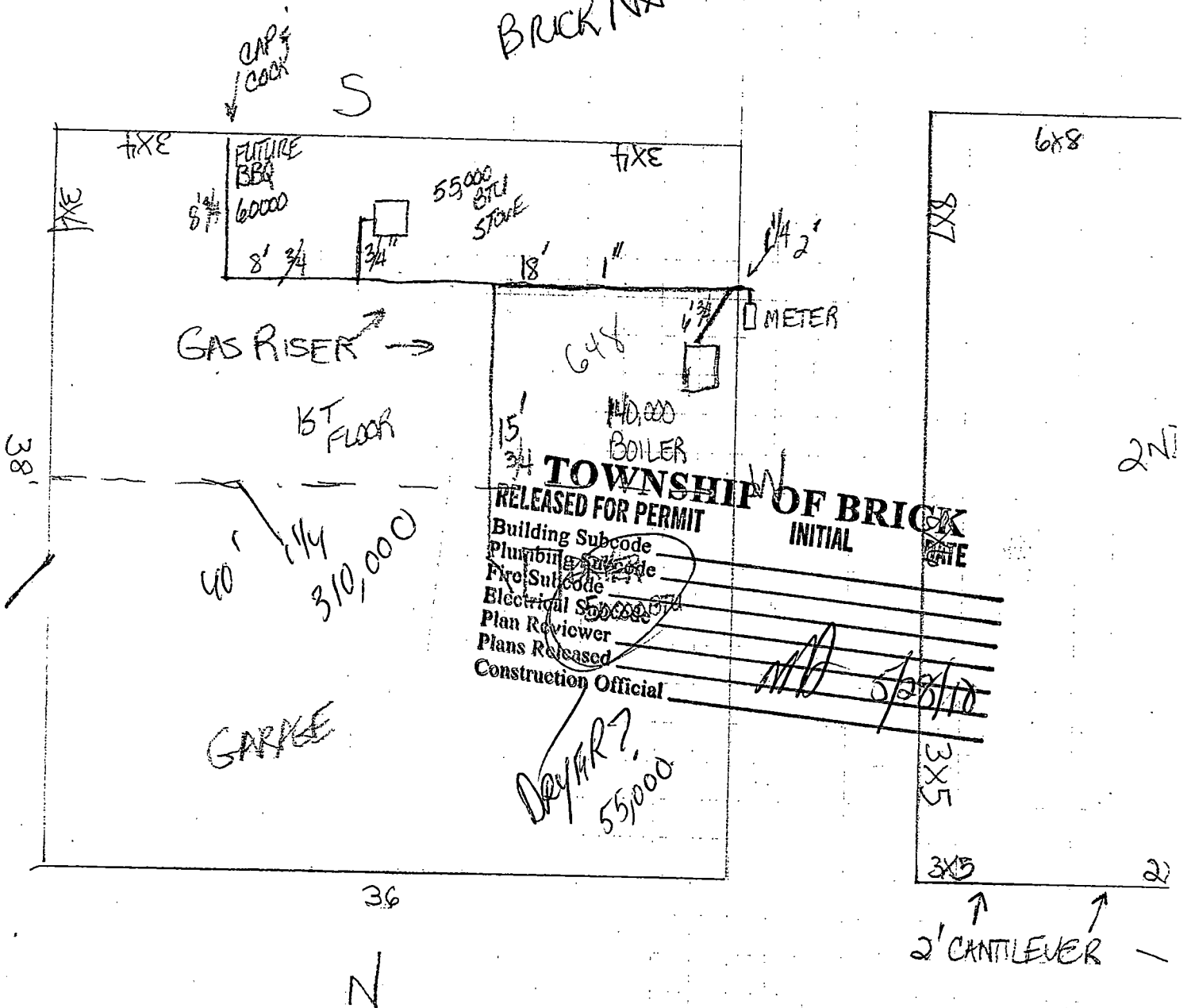
tarabj@check-mate-inc.
ORG

P PERMIT #
09-3035
BRICK TOWN

BTU TOWER

21 ROUCHESTER DR
BRICK NJ 08723

MADMEDCO F



Please see attached permit for upgrade. Not sure what the original permit number was, so I included copies of paperwork sent to Beehive Heating & Cooling by Brick Township.

The original work was do by Larry Slatky Plumbing & Heating. Upgrades done by Beehive Heating & Cooling Any questions please call me at 732-408-0200.

Thank you.

Beehive Heating & Cooling, LLC

1062 Lakehurst Avenue Jackson, NJ 08527
Phone: 408-0200 Fax: 818-1543 E-mail: Info@beehivehvac.com

Heat Load Summary Report for Hanlon, Catherine

Room Name	Square Ft.	Heating Loss BTUH	Hydronic Heat Linear Ft.	Latent / Sensible Gain BTUH	Cooling Gain BTUH	Cooling Tons	Cooling CFM
first floor	648	10729	17.88	1250 / 6474	7724	0.64	257
second floor	1440	32233	53.72	3029 / 28520	31549	2.63	1052
TOTALS	2088	42961	71.6	4279 / 34994	39273	3.27	1309

Disclaimer

These computed results should be treated as estimates only and should be viewed as only one of the many tools required for a professional installation. The installing contractor's experience and expert judgement are also major factors in sizing and installing a complete system. The weather, customer usage, duct installation, and structure design may vary on each estimate and should be taken into account. Correct system sizing is based on the systems ability to meet both latent and sensible heat requirements, not just total BTUs.



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723
(732) 262-1027

Subcode Official Review

To: 21 ROCHESTER DR BRICK, NJ 08723 CC:

RE: Plumbing Subcode
Block: 211.01 Lot: 8 Qual:
21 ROCHESTER DR.
Permit Number: Control Number: C-09-004306
Last Submit Date: Tuesday, December 01, 2009

Date: Tuesday, December 01, 2009

Dear HANLON, CATHERINE,

The following comments were made during the Plan Review process:
1- submit b.t.u. input&output of both new&old units or heat loss for new unit

2- GAS DRAWING DOES NOT REFLECT PIPE SIZES, DISTANCES OR BTU LOADS.

Sincerely,

Robert Wennlund

Robert Wennlund, Subcode Official

12/3/09
Fayed to
Const. 12/3/09
(1CB)

There is no Gas drawing
in Building Jacket.



CONSTRUCTION PERMIT

Date Issued 10/15/07
Control # C-09-004306
Permit # 09-3035

IDENTIFICATION Block: 211.01 Lot: 8 Qualifier _____
Work Site Location: 21 ROCHESTER DR. Brick Township, NJ Contractor SCOTT SCHOEN
Owner in Fee HANLON, CATHERINE Address 1062 LAKEHURST AVENUE JACKSON NJ 08527
21 ROCHESTER DR BRICK NJ 08723 Telephone: (732) 408-0200
Telephone: _____ Lic. No. or Bldrs. Reg. No. _____
Federal Employee. No. _____

Is hereby granted permission to perform the following work:

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

DESCRIPTION OF WORK:

BACKFLOW PREVENTER/LAWN SPRINKLER, REPLACEMENT BOILER, REPLACEMENT
WATER HEATER

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 \$5,280

Construction Official _____

Date 10/15/07

U.C.C. F170
equiv (rev 8/03)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

PAYMENTS (Office Use Only)

Building	\$40
Electrical	\$40
Plumbing	\$140
Fire Protection	\$0
Elevator Devices	\$0
Other	\$0.00
DCA Training Fee	\$9
CO Fee	
Other	\$0
Total	\$229
Check No.	<u>000000</u>
Cash	\$0
Credit	\$0
Collected By	

REQUIRED INSPECTIONS

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

☐ Required inspections for all subcodes for one- and two-family dwellings are as follows:

1. The bottom of footing trenches before placement of footings, except that in cases 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, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and /or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
4. Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

☐ 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. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

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

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

Dear HANLON, CATHERINE,

The following comments were made during the Plan Review process:
/- submit b.t.u. input&output of both new&old units or heat loss for new unit

2- GAS DRAWING DOES NOT REFLECT PIPE SIZES, DISTANCES OR BTU LOADS.

Sincerely,



Robert Wennlund, Subcode Official

Page 1

						7328181543
Note	Result	Page	Time	Start	Mode	Telephone Number

Dec 3 2009 13:15

P.1

** Transmit Conf. Report **

Land Use/ Bldg Dept Fax:732-262-8954



Beehive Heating & Cooling, LLC

1062 Lakehurst Avenue, Jackson, NJ 08527

Phone 732-408-0200 Fax 732-818-1543

www.beehivevac.com

Fax Cover Sheet

Attn: ROBERT WENN LUND

Date 12/4/09

Fax: 732-262-8954

Subject: GAS RISER DIAGRAM FOR 21 ROCHESTER DR.

THIS CUSTOMER NOTIFIED US YESTERDAY OF A NO HEAT
SITUATION. WILL BE STARTING JOB IN EMERGENCY NO HEAT
12/9/09. IF WE CAN EXPEDITE THESE PERMITS AS I WILL
NEED ROUGH GAS PIPE FOR LATE NEXT WEEK. APOLOGIES FOR
LACK OF THIS DRAWING IT MUST HAVE JUST SLIPPED MY MIND.

SCOTT SCHOEN

Thank you.



ACCREDITED
CONTRACTOR





Brick Township
401 Chambersbridge Rd
Brick, NJ 08723
(732) 262-1027

Subcode Official Review

To: 21 ROCHESTER DR BRICK, NJ 08723 CC:

RE: Plumbing Subcode
Block: 211.01 Lot: 8 Qual:
21 ROCHESTER DR
Permit Number: Control Number: C-09-004306
Last Submit Date: Tuesday, December 01, 2009

Date: Tuesday, December 01, 2009

Dear HANLON, CATHERINE,

The following comments were made during the Plan Review process:
1- submit b.t.u. input&output of both new&old units or heat loss for new unit

2- GAS DRAWING DOES NOT REFLECT PIPE SIZES, DISTANCES OR BTU LOADS.

Sincerely,



Robert Wennlund, Subcode Official

Beehive Heating & Cooling, LLC

1062 Lakehurst Avenue Jackson, NJ 08527
Phone: 408-0200 Fax: 818-1543 E-mail: Info@beehivehvac.com

Heat Load Summary Report for Hanlon, Catherine

Room Name	Square Ft.	Heating Loss BTUH	Hydronic Heat Linear Ft.	Latent / Sensible Gain BTUH	Cooling Gain BTUH	Cooling Tons	Cooling CFM
first floor	648	10729	17.88	1250 / 6474	7724	0.64	257
second floor	1440	32233	53.72	3029 / 28520	31549	2.63	1052
TOTALS	2088	42961	71.6	4279 / 34994	39273	3.27	1309

Disclaimer

These computed results should be treated as estimates only and should be viewed as only one of the many tools required for a professional installation. The installing contractor's experience and expert judgement are also major factors in sizing and installing a complete system. The weather, customer usage, duct installation, and structure design may vary on each estimate and should be taken into account. Correct system sizing is based on the systems ability to meet both latent and sensible heat requirements, not just total BTUs.

THIS DOCUMENT IS PRINTED ON WATERMARKED PAPER, WITH A MULTI-COLORED
BACKGROUND AND MULTIPLE SECURITY FEATURES. PLEASE VERIFY AUTHENTICITY.

NOT AN
ELECTRICIAN'S
OR PLUMBER'S
LICENSE

State Of New Jersey
New Jersey Office of the Attorney General
Division of Consumer Affairs

THIS IS TO CERTIFY THAT THE
Division of Consumer Affairs

HAS REGISTERED

Beehive Heating & Cooling LLC
Allen Schoen
1062 Lakehurst Ave.
Jackson NJ 08527

FOR PRACTICE IN NEW JERSEY AS A(N): Home Improvement Contractor

11/07/2008 TO 12/31/2009
VALID

13VH01343200

LICENSE/REGISTRATION/CERTIFICATION #

Allen Schoen

Signature of Licensee/Registrant/Certificate Holder

David Pyle

DIRECTOR



CHIMNEY CERTIFICATION
FOR REPLACEMENT OF FUEL FIRED EQUIPMENT

BLOCK 211.01 LOT 8 PERMIT # _____

WORK SITE ADDRESS 21 Rochester Dr

Applicant Hanlon
Certifying Individual Scott Schoen Company Beehive Htg + Ctg
Address 106 Lakewood Ave Jackson NJ 08527
Street City State Zip Code

Tel. (____) _____

Check the Appropriate Box

Type of Replacement:

- ☒ Oil to Gas Conversion
☐ Gas Appliance Replacement
☐ Oil to Oil Replacement
☐ Other _____

Existing Vent/Chimney:

- ☐ B Label Vent
☐ L Label Vent
☐ Masonry Chimney - Tile Lined
☒ Flexible Liner
☐ Power Vent/Exhauster
☐ Other _____

PLEASE SIGN ONE OF THE FOLLOWING CERTIFICATION STATEMENTS

CERTIFICATION

For Oil to Gas Conversions:

I hereby certify that the chimney/vent is free and clear of obstruction and is substantially clean of residue from its previous use serving an oil appliance. I further certify that the chimney/vent is appropriately lined and sized for the appliance being installed or remaining as per International Fuel Gas Code 2003 edition section 501.15 - 501.15.4

Scott Schoen
Signature

11/18/09
Date

Oil to Oil or Gas to Gas Replacements:

I hereby certify that the existing chimney/vent is free and clear of obstruction. I further certify that the existing chimney/vent is appropriately lined and sized for the appliance being installed or remaining as per International Fuel Gas Code 2003 edition section 501.15 - 501.15.4

Signature

Date

Certification Not Submitted:

I Choose not to submit a certification. I understand that I will be required to be present for the inspection to remove and reinstall the chimney vent connector.

Signature

Date

Direct Vent Appliance:

No certification required:

Signature

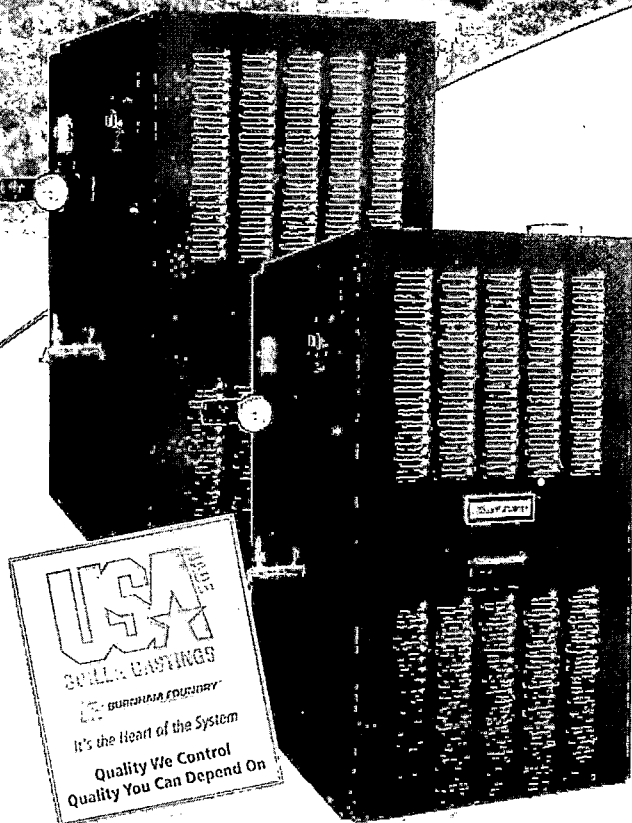
Date

THIS FORM MUST BE RETURNED TO THE CODE ENFORCEMENT OFFICE PRIOR TO FINAL INSPECTION.



PVG & SCGTM

High Efficiency Direct Vent & Sealed Combustion
Cast Iron Water Boilers



USA
BURNHAM CASTINGS
It's the Heart of the System
Quality We Control
Quality You Can Depend On

- 85+% AFUE (5 sizes)
ENERGY STAR® Certified
- 70 to 280 MBH in 7 Sizes
- Rugged Cast Iron Sectional Design
- Natural or LP Gas
- PVG - Power Vented
SCG - Sealed Combustion Venting
- Limited Lifetime Warranty

**The Ultimate Combination
of Efficiency and Value!**

 **Burnham[®]
Hydronics**



PVG & SCG

High Efficiency Direct Vent and Sealed Combustion Cast Iron Water Boilers

Unbeatable Efficiency & Value!

Burnham's PVG & SCG boilers offer a unique combination of high efficiency and value to homeowners. Available in direct vent (PVG) or sealed combustion (SCG) both models utilize either 3 or 4-inch stainless steel vent pipe to direct the flue products out of the building. This eliminates the need to install a liner in an existing chimney – which is often a major expense when replacing an older boiler.

PVG and SCG series boilers are simple to install, and require very little service and maintenance – especially compared to higher-efficiency condensing boilers. This can save homeowners hundreds of dollars in up-front installation costs, as well as several hundred dollars a year in maintenance and tune-up's. Factoring in installation, annual service, and fuel usage - over time the operating costs of the SCG and PVG may be well below those of condensing boilers. While low temperature radiant heat systems are becoming more popular in newer buildings, many still utilize baseboard heat, convectors, air handlers, & indirect water heaters - which generally require higher water temperatures. Cast iron boilers are the best choice for these applications. The PVG and SCG deliver the winning combination of efficiency and durability in high-temp heating applications.

Reliable Cast Iron Heat Exchanger

PVG & SCG boilers have rugged cast iron heat exchanger sections that are poured in Burnham's own state-of-the-art foundry in Zanesville, Ohio. This means that Burnham is able to control the quality of this vital component from the time that it's poured to the time that it's installed and tested in the boiler. The heat exchanger itself is designed for efficiency. Round pins on the outside of the exchanger increase the surface area which increases heat transfer. Inside, dimpled waterways promote turbulence as water flows through the castings. This helps to thoroughly mix cooler return water with the water inside the heat exchanger. As a result, PVG and SCG boilers are more resistant to thermal shock and condensation than other comparable boilers. Steel nipples are used to join sections together. This vital component is impervious to petroleum-based chemicals (like antifreeze) which can break down the rubber gaskets that are used by competitors.

A Better Burner Base

The burner base in the PVG & SCG has been engineered to deliver on Burnham's ongoing commitment to safety, reliability, and durability. Underneath it's simple two piece design sits stainless steel burner tubes which are secured by lock-in burner slots. A 1/4" pilot tube provides an ample flow of gas which contributes to reliable burner performance. An isolated combustion area beneath the burner tubes optimizes airflow and keeps floor temperatures low beneath the boiler. The combustion chamber itself is lined with thick 1" insulation on the sides and 1-1/2" insulation on the rear. This keeps the heat generated in combustion directed upward toward the heat exchanger, not out into the boiler jacket and surrounding area.

Safety Without Compromise

Burnham's reputation for building safe products is an ongoing commitment that is taken very seriously. Many additional safety features have been built into the PVG & SCG.

- **Blocked Vent Switch**

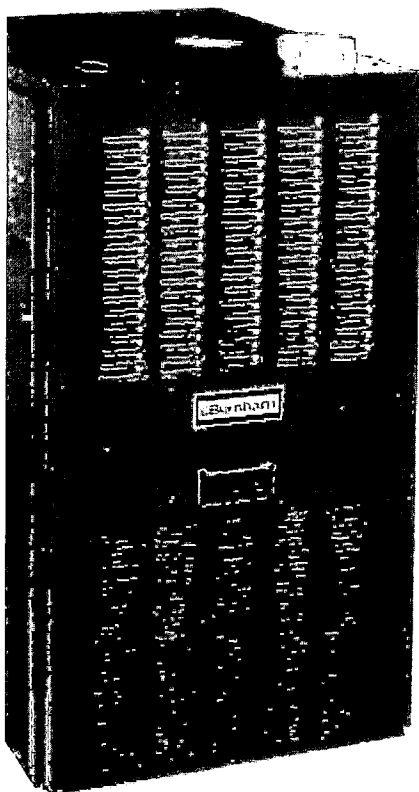
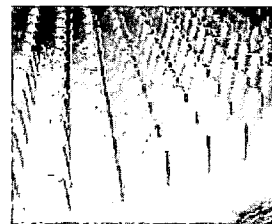
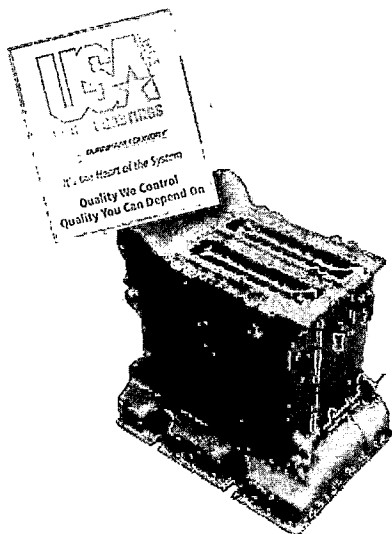
Safely shuts the boiler down if a chimney or vent blockage is detected.

- **Flame roll-out switch**

If an internal flueway restriction is detected, this device will automatically stop the flow of gas to prevent combustion gases from seeping into the home.

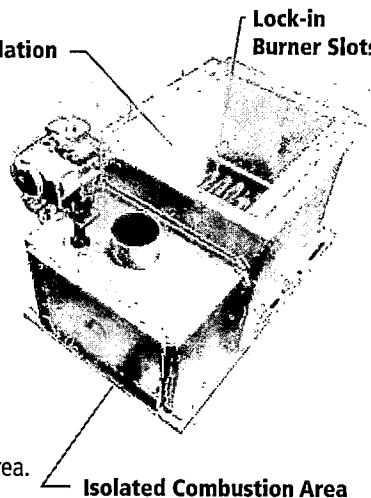
- **Concealed Controls**

All boiler controls are safely hidden under the jacket to prevent damage & tampering.



Thick Insulation

Lock-in
Burner Slots



Isolated Combustion Area

PVG & SCG Boilers

Reliable Controls

High quality, reliable controls are safely concealed inside the boiler jacket.

"Plug & Play"

Component Installation

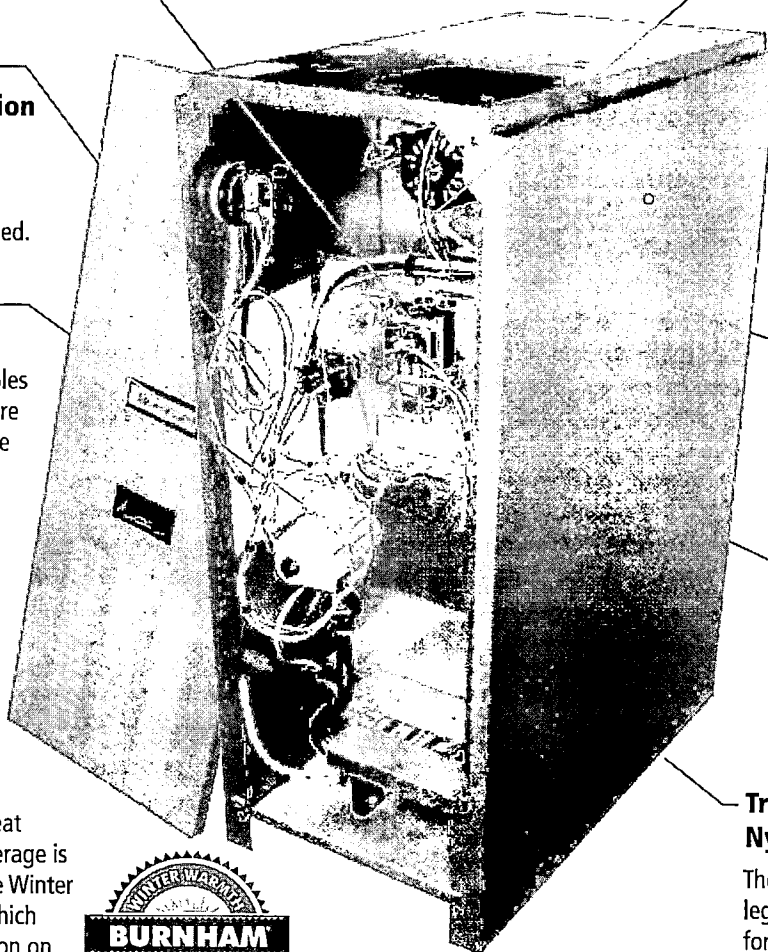
Plug-in wiring harnesses for installation of LWCO and auxiliary high limit are accessible and clearly labeled.

Step Opening Gas Valve

This type of gas valve enables the boiler to start on low fire and continue on to high fire safely and smoothly. This provides quiet ignition and promotes long boiler life.

Limited Lifetime Warranty

Burnham backs the PVG & SCG with a limited lifetime warranty on the heat exchanger. Additional coverage is available by purchasing the Winter Warmth Assurance Plan, which provides extended protection on parts and labor for 5 or 10 years from the date of installation.



Contractor-Friendly Design

High mounted control panel, easy access to fan, simple field conversion kit available for LP applications.

1" Insulation

Surrounds boiler block which reduces heat loss through the boiler jacket.

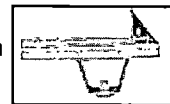
Rugged Jacket

Tough powder coated steel jacket designed for durability.



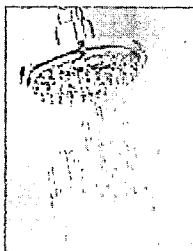
Trapezoidal Legs with Nylon Glides

These high strength legs & glides allow for easy positioning of the boiler, and protect against potential damage to flooring.



Burnham Alliance SL™

Indirect-fired Water Heaters



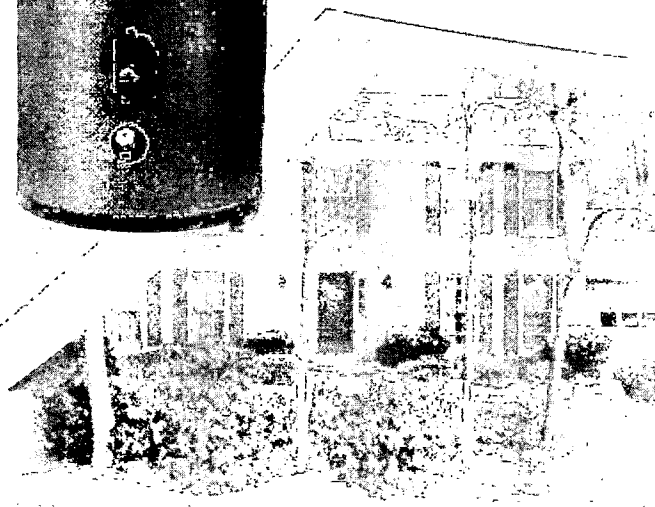
For an abundant supply of domestic hot water, be sure to use an Burnham Alliance SL indirect-fired water heater with every boiler application.

The Alliance SL water heaters are designed with an effective hydrastone lining that offers superior corrosion resistance and outstanding performance in a wide variety of water conditions.

Water heaters are available in five sizes and come with a unique 10/2/1 warranty – 10 years on the tank and coil, 2 years labor and 1 year on parts. An optional lifetime warranty is also available.



Burnham
Hydronics



Ratings

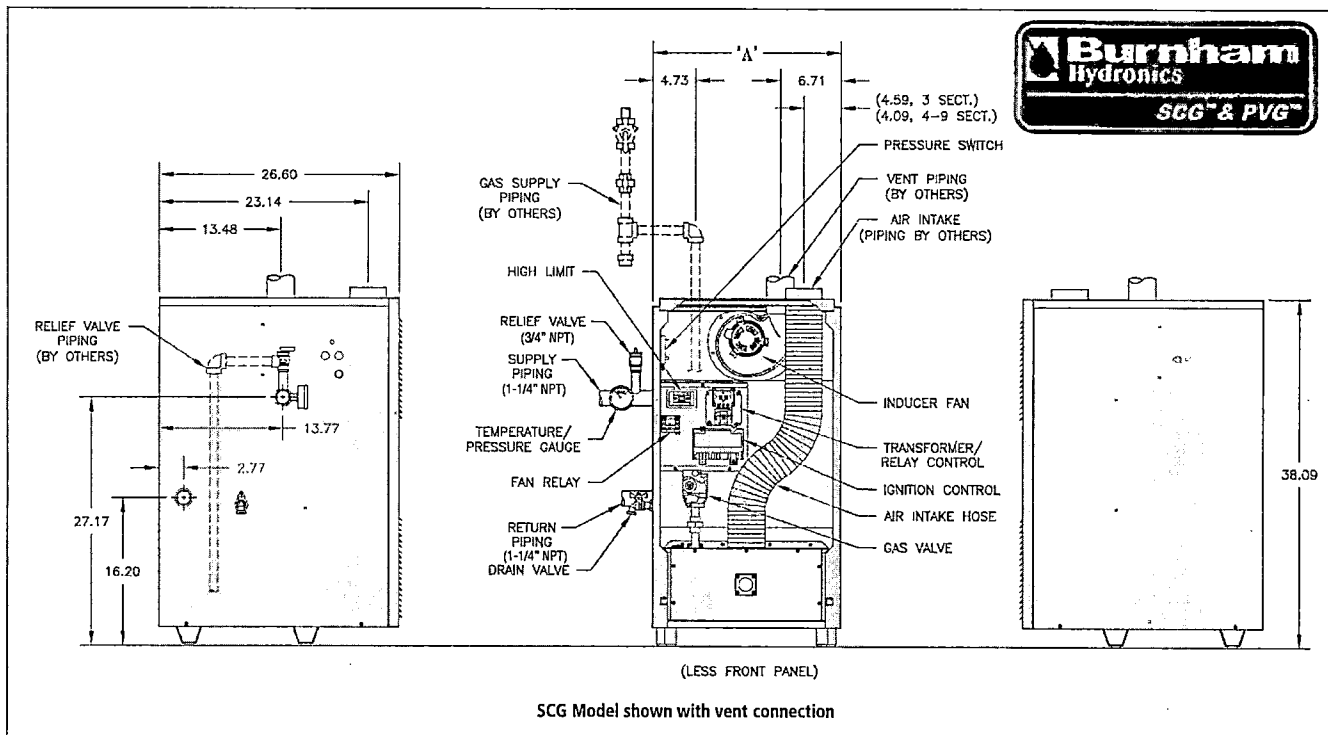


Model Number	Input	DOE Heating Capacity (MBH)	I=B=R Water Ratings	ENERGY STAR AFUE%
SCG3 / PVG3	70	60	52	85.5
SCG4 / PVG4	105	90	78	85.4
SCG5 / PVG5	140	120	104	85.3
SCG6 / PVG6	175	150	130	85.2
SCG7 / PVG7	210	179	156	85.0
SCG8 / PVG8	245	208	181	84.5*
SCG9 / PVG9	280	238	207	84.0*

*Only SCG3/PVG3 through SCG7/PVG7 are ENERGY STAR certified at 85+% AFUE

Specifications

Model Number	Dimensions (inches)			Connections (inches)		Water Content (gal.)	Approximate Shipping Weight (lbs.)
	'A'	'B'	'C'	Vent	Air Intake		
SCG3 / PVG3	11.65	26.60	38.09	3	3	2.16	210
SCG4 / PVG4	14.72	26.60	38.09	3	3	3.00	254
SCG5 / PVG5	17.78	26.60	38.09	3	4	3.84	298
SCG6 / PVG6	20.84	26.60	38.09	3	4	4.68	342
SCG7 / PVG7	23.90	26.60	38.09	3	5	5.52	386
SCG8 / PVG8	26.97	26.60	38.09	4	5	6.36	430
SCG9 / PVG9	30.03	26.60	38.09	4	5	7.20	474



www.burnham.com

© 2008 U.S. Boiler Company, Inc. - Lancaster, PA

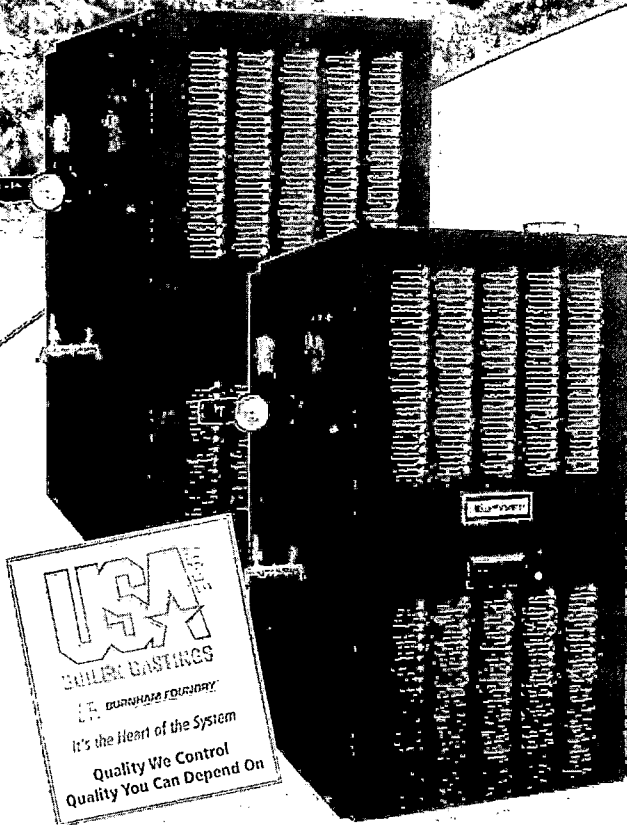
Phone: 1-888-432-8887

www.burnham.com



PVG & SCG™

High Efficiency Direct Vent & Sealed Combustion
Cast Iron Water Boilers



- 85+% AFUE (5 sizes)
ENERGY STAR® Certified
- 70 to 280 MBH in 7 Sizes
- Rugged Cast Iron Sectional Design
- Natural or LP Gas
- PVG - Power Vented
SCG - Sealed Combustion Venting
- Limited Lifetime Warranty

**The Ultimate Combination
of Efficiency and Value!**

 **Burnham®
Hydronics**



PVG & SCG

High Efficiency Direct Vent and Sealed Combustion Cast Iron Water Boilers

Unbeatable Efficiency & Value!

Burnham's PVG & SCG boilers offer a unique combination of high efficiency and value to homeowners. Available in direct vent (PVG) or sealed combustion (SCG) both models utilize either 3 or 4-inch stainless steel vent pipe to direct the flue products out of the building. This eliminates the need to install a liner in an existing chimney – which is often a major expense when replacing an older boiler.

PVG and SCG series boilers are simple to install, and require very little service and maintenance – especially compared to higher-efficiency condensing boilers. This can save homeowners hundreds of dollars in up-front installation costs, as well as several hundred dollars a year in maintenance and tune-up's. Factoring in installation, annual service, and fuel usage - over time the operating costs of the SCG and PVG may be well below those of condensing boilers. While low temperature radiant heat systems are becoming more popular in newer buildings, many still utilize baseboard heat, convectors, air handlers, & indirect water heaters - which generally require higher water temperatures. Cast iron boilers are the best choice for these applications. The PVG and SCG deliver the winning combination of efficiency and durability in high-temp heating applications.

Reliable Cast Iron Heat Exchanger

PVG & SCG boilers have rugged cast iron heat exchanger sections that are poured in Burnham's own state-of-the-art foundry in Zanesville, Ohio. This means that Burnham is able to control the quality of this vital component from the time that it's poured to the time that it's installed and tested in the boiler. The heat exchanger itself is designed for efficiency. Round pins on the outside of the exchanger increase the surface area which increases heat transfer. Inside, dimpled waterways promote turbulence as water flows through the castings. This helps to thoroughly mix cooler return water with the water inside the heat exchanger. As a result, PVG and SCG boilers are more resistant to thermal shock and condensation than other comparable boilers. Steel nipples are used to join sections together. This vital component is impervious to petroleum-based chemicals (like antifreeze) which can break down the rubber gaskets that are used by competitors.

A Better Burner Base

The burner base in the PVG & SCG has been engineered to deliver on Burnham's ongoing commitment to safety, reliability, and durability. Underneath it's simple two piece design sits stainless steel burner tubes which are secured by lock-in burner slots. A 1/4" pilot tube provides an ample flow of gas which contributes to reliable burner performance. An isolated combustion area beneath the burner tubes optimizes airflow and keeps floor temperatures low beneath the boiler. The combustion chamber itself is lined with thick 1" insulation on the sides and 1-1/2" insulation on the rear. This keeps the heat generated in combustion directed upward toward the heat exchanger, not out into the boiler jacket and surrounding area.

Safety Without Compromise

Burnham's reputation for building safe products is an ongoing commitment that is taken very seriously. Many additional safety features have been built into the PVG & SCG.

- **Blocked Vent Switch**

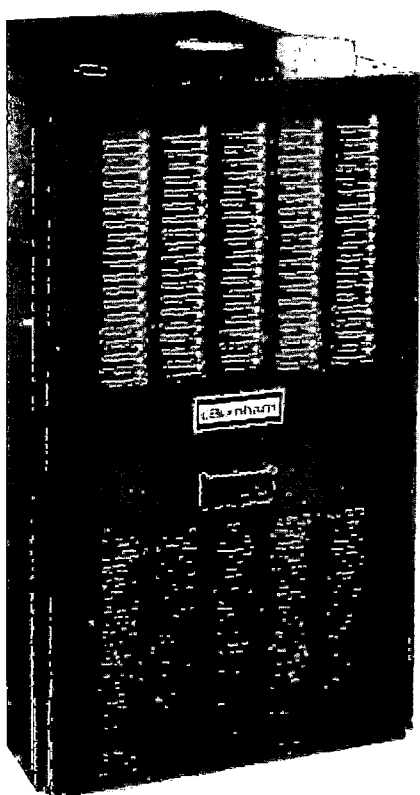
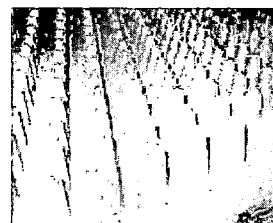
Safely shuts the boiler down if a chimney or vent blockage is detected.

- **Flame roll-out switch**

If an internal flueway restriction is detected, this device will automatically stop the flow of gas to prevent combustion gases from seeping into the home.

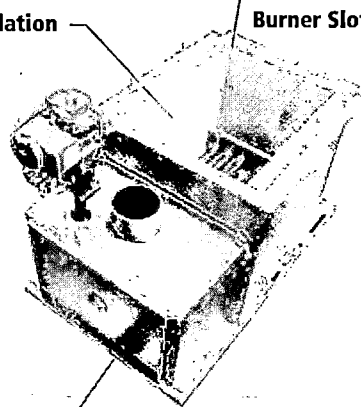
- **Concealed Controls**

All boiler controls are safely hidden under the jacket to prevent damage & tampering.



Thick Insulation

Lock-in
Burner Slots



Isolated Combustion Area

PVG & SCG Boilers

Reliable Controls

High quality, reliable controls are safely concealed inside the boiler jacket.

"Plug & Play"

Component Installation

Plug-in wiring harnesses for installation of LWCO and auxiliary high limit are accessible and clearly labeled.

Step Opening Gas Valve

This type of gas valve enables the boiler to start on low fire and continue on to high fire safely and smoothly. This provides quiet ignition and promotes long boiler life.

Limited Lifetime Warranty

Burnham backs the PVG & SCG with a limited lifetime warranty on the heat exchanger. Additional coverage is available by purchasing the Winter Warmth Assurance Plan, which provides extended protection on parts and labor for 5 or 10 years from the date of installation.



Contractor-Friendly Design

High mounted control panel, easy access to fan, simple field conversion kit available for LP applications.

1" Insulation

Surrounds boiler block which reduces heat loss through the boiler jacket.

Rugged Jacket

Tough powder coated steel jacket designed for durability.



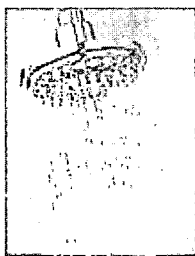
Trapezoidal Legs with Nylon Glides

These high strength legs & glides allow for easy positioning of the boiler, and protect against potential damage to flooring.



Burnham Alliance SL™

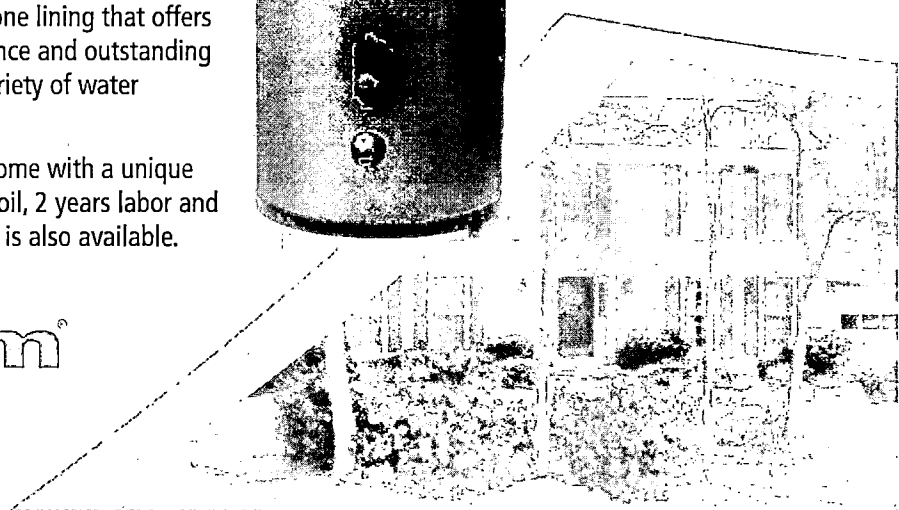
Indirect-fired Water Heaters



For an abundant supply of domestic hot water, be sure to use an Burnham Alliance SL indirect-fired water heater with every boiler application.

The Alliance SL water heaters are designed with an effective hydrastone lining that offers superior corrosion resistance and outstanding performance in a wide variety of water conditions.

Water heaters are available in five sizes and come with a unique 10/2/1 warranty – 10 years on the tank and coil, 2 years labor and 1 year on parts. An optional lifetime warranty is also available.

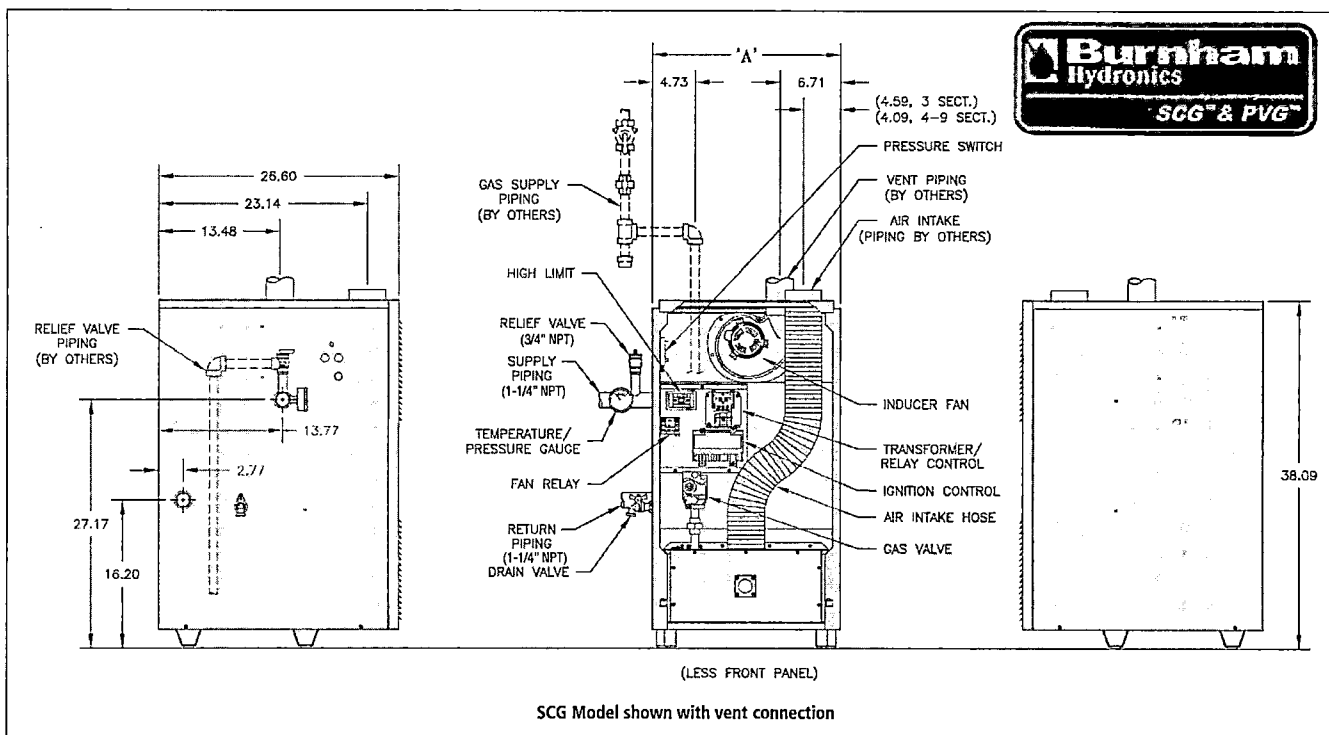


Model Number	Input	DOE Heating Capacity (MBH)	I=B=R Water Ratings	AFUE%
SCG3 / PVG3	70	60	52	85.5
SCG4 / PVG4	105	90	78	85.4
SCG5 / PVG5	140	120	104	85.3
SCG6 / PVG6	175	150	130	85.2
SCG7 / PVG7	210	179	156	85.0
SCG8 / PVG8	245	208	181	84.5*
SCG9 / PVG9	280	238	207	84.0*

*Only SCG3/PVG3 through SCG7/PVG7 are ENERGY STAR certified at 85+% AFUE

Specifications

Model Number	Dimensions (inches)			Connections (inches)		Water Content (gal.)	Approximate Shipping Weight (lbs.)
	'A'	'B'	'C'	Vent	Air Intake		
SCG3 / PVG3	11.65	26.60	38.09	3	3	2.16	210
SCG4 / PVG4	14.72	26.60	38.09	3	3	3.00	254
SCG5 / PVG5	17.78	26.60	38.09	3	4	3.84	298
SCG6 / PVG6	20.84	26.60	38.09	3	4	4.68	342
SCG7 / PVG7	23.90	26.60	38.09	3	5	5.52	386
SCG8 / PVG8	26.97	26.60	38.09	4	5	6.36	430
SCG9 / PVG9	30.03	26.60	38.09	4	5	7.20	474



www.burnham.com

© 2008 U.S. Boiler Company, Inc. - Lancaster, PA

Phone: 1-888-432-8887

www.burnham.com

Ratings



Model Number	Maximum First Hour Rating at 135°F (gal./hr.)	Continuous Draw Rating at 135°F (gal./hr.)	Standby Loss (°F/hr.)	Minimum Boiler Output (MBtu/hr.)	Boiler Water Flow Rate (gal./min.)	Pressure Drop through Coil (ft. w.c.)
AL27SL	192	162	0.97	99	6	9.0
AL35SL	200	162	0.72	99	6	9.0
AL50SL	225	171	0.56	110	6	9.5
AL70SL	294	217	0.45	120	6	10.0
AL119SL*	339	235	0.39	149	14	17.0

1. First flow ratings are based on 58°F inlet water, 135°F hot water and 180°F boiler supply water.
2. The above ratings were obtained at the boiler outputs (in MBtu/hr.) shown in column (4) at the boiler water flow rates (in GPM) shown in column (5). Other results will be obtained under different conditions.

* Note: The AL119SL utilizes a side mounted coil that is shipped separately.

Specifications

Model Number	Storage Capacity (gal.)	Height Dim. 'A' (in.)	Diameter Dim. 'C' (in.)	Maximum Allowable Working Pressure	Approximate Shipping Weight (lbs.)
AL27SL	27	39-1/4	20	150 PSI	170
AL35SL	35	39-1/4	22-3/4	150 PSI	198
AL50SL	50	40-3/4	26	150 PSI	248
AL70SL	70	45-3/4	28	150 PSI	300
AL119SL	119	67-3/4	28	150 PSI	480

Alliance 27, 35, 50 & 70

The AL119SL uses 1.0\"M coil connections for input/output to boiler and 3/4\"M for hot water inlet/outlet on side of tank.



www.burnham.com

© 2007 U.S. Boiler Company, Inc. - Lancaster, PA

Phone: 1-888-432-8887

www.burnham.com

Ratings



Model Number	Maximum First Hour Rating at 135°F (gal./hr.)	Continuous Draw Rating at 135°F (gal./hr.)	Standby Loss (°F/hr.)	Minimum Boiler Output (MBtu/hr.)	Boiler Water Flow Rate (gal./min.)	Pressure Drop through Coil (ft. w.c.)
AL27SL	192	162	0.97	99	6	9.0
AL35SL	200	162	0.72	99	6	9.0
AL50SL	225	171	0.56	110	6	9.5
AL70SL	294	217	0.45	120	6	10.0
AL119SL*	339	235	0.39	149	14	17.0

1. First flow ratings are based on 58°F inlet water, 135°F hot water and 180°F boiler supply water.

2. The above ratings were obtained at the boiler outputs (in MBtu/hr.) shown in column (4) at the boiler water flow rates (in GPM) shown in column (5). Other results will be obtained under different conditions.

* Note: The AL119SL utilizes a side mounted coil that is shipped separately.

Specifications

Model Number	Storage Capacity (gal.)	Height Dim. 'A' (in.)	Diameter Dim. 'C' (in.)	Maximum Allowable Working Pressure	Approximate Shipping Weight (lbs.)
AL27SL	27	39-1/4	20	150 PSI	170
AL35SL	35	39-1/4	22-3/4	150 PSI	198
AL50SL	50	40-3/4	26	150 PSI	248
AL70SL	70	45-3/4	28	150 PSI	300
AL119SL	119	67-3/4	28	150 PSI	480

Alliance 27, 35, 50 & 70

The AL119SL uses 1.0" M coil connections for input/output to boiler and 3/4" M for hot water inlet/outlet on side of tank.



www.burnham.com

© 2007 U.S. Boiler Company, Inc. - Lancaster, PA

Phone: 1-888-432-8887

www.burnham.com

Form No. PL81401081002-5/07-20Ms

Printed in the U.S.A.