

BLOCK 1354.35 LOT 10 QUALIFICATION CODE ADDRESS (SITE) 178 CALVIN CT

PERMIT NO.

11-1940



CONSTRUCTION PERMIT APPLICATION

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

01-00076

I. IDENTIFICATION

1. Proposed Work Site at: 178 CALVIN CT

2. Name of Owner in Fee: BANNIGAN

Tel: [redacted] e-mail: BRICK NJ 08724

Address: 178 CALVIN CT street municipality zip code

3. Ownership in Fee: Public Private

4. Principal Contractor: THE HEATING PROS Tel: (732) 657-0675

Address: 374 VAITH ST JACKSON, NJ 08527 e-mail: theheatingpros@aol.com

License No. OR, if new home, Builder Reg. No. Exp. Date 12/31/11

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): VH01088800

Federal Emp. ID No. 82-05555526 FAX: (732) 657-9590

5. Architect or Engineer Address Contact e-mail

Tel: () FAX: () e-mail: WILLIAM GEMIGNANI

6. Responsible Person in Charge once Work has Begun Tel: (732) 657-0675 FAX: (732) 657-9590

V. FEE SUMMARY (for office use only)

1. Building	\$46	Update	Update
2. Electrical	\$50		
3. Plumbing	\$45		
4. Fire Protection			
5. Elevator Devices			
6. Subtotal			
7. Less 20% for State Plan Review			
8. Subtotal			
9. State Permit Surcharge Fee			
10. Subtotal	\$20		
11. Cert. of Occupancy			
12. Other			
13. TOTAL	\$155		

VI. BUILDING/SITE CHARACTERISTICS

1. Number of Stories		(office use only)
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

IIa. PROPOSED WORK

☒ Minor Work

☐ Repair

☐ Asbestos Abat.-Subch. 8

☐ New Building

☐ Alteration

☐ Lead Hazard Abatement

☐ Addition

☐ Renovation

☐ Radon Remediation

☐ Demolition

☐ Reconstruction

☐ Annual Permit

IIb. SUBCODES

(Check all that apply)

☐ Building

☒ Electrical

☒ Plumbing

☒ Fire Protection

☐ Mechanical

TOTAL COST 12,000.00

FOR OFFICE USE ONLY (Optional)

Plans Recd by	Date Recd	Rejection Date	Approval Date	Re-viewer	Approval	Rejection	Re-viewer
RECD JUN 03, 2011							
		6-14-11					
		6-22-11					
		6-24-11					
		6-16-11					

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL (primary use)

1. State Specific Use:

2. Use Group:

3. Change in Use Group, Indicate Former:

4. No. of dwelling units: All Units Income-restricted

Before Construction

After Construction

Net Gain or Loss

B. NON-RESIDENTIAL (primary use)

1. State Specific Use:

2. Use Group:

3. Change in Use Group, Indicate Former:

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

D. Construction Classification:

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/

2. ☐ Dumbbells/Lifting Walks

3. ☐ High Pressure Boilers

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

Internal version U.C.C. F100-1 (rev. 2007)

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.ix:

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 Uniform Construction Code, N.J.A.C. 5:23-2.15(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.

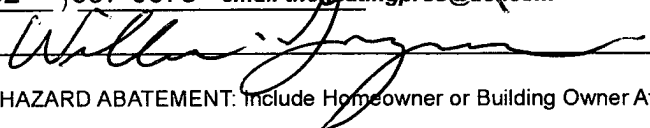
I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

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

(X) Check if contractor.

Agent Name The Heating Pro's
Address 374 Vath Street
Jackson, NJ 08527

Telephone (732) 657-0675 email theheatingpros@aol.com

Signature 

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



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 08/05/2011
Control Number C-11-002076
Permit Number 11-1940
Permit Issue Date 07/01/2011
Certificate Number 11-1940

Certificate

Construction Code Division
(Certificate of Approval)

Identification

Work Site Location: 178 CALVIN CT. Brick Township, NJ Block: 1354.35 Lot: 10 Qual: _____
Owner in Fee: SICCARDI, ROBERT & MARGARET E; ETALS
Owner Address: 178 CALVIN CT BRICK NJ 08724
Telephone: _____
Contractor THE HEATING PROS
Address 374 VATH ST JACKSON NJ 08527-
Telephone: (732) 657-0675 Fax: (732) 657-9590
License Number or Builders Registration Number: 13VH01088800 Federal Emp. Number: 13-8483564

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: AIR CONDITIONER, FURNACE replacement

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:

Construction Official

Fee: \$0.00

Check Number: _____

Collected By: _____



CONSTRUCTION PERMIT

Date Issued 7/1/11
Control # C-11-002076
Permit # 11-1940

IDENTIFICATION Block: 1354.35 Lot: 10 Qualifier _____
Work Site Location: 178 CALVIN CT. Brick Township, NJ Contractor THE HEATING PROS
Owner in Fee SICCARDI, ROBERT & MARGARET E. ETALS Address 374 VATH ST JACKSON NJ 08527-
178 CALVIN CT. BRICK NJ 08724 Telephone: (732) 657-0675
Telephone: _____ Lic. No. or Bldrs. Reg. No. 13VH01088800
Federal Employee No. 13-8483564

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:

AIR CONDITIONER, FURNACE replacement

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 \$12,000

[Signature]
Construction Official

6-29-11
Date

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	\$0
Electrical	\$40
Plumbing	\$50
Fire Protection	\$45
Elevator Devices	\$0
Other	\$0.00
DCA Training Fee	\$20
CO Fee	
Other	\$0
Total	\$155
Check No.	<u>8400</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.

81740
ELECTRICAL \$40.00
PLUMBING \$50.00
FIRE \$45.00
DCA \$20.00
CHECK \$155.00

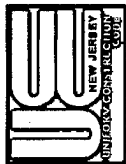
Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

- ☐ 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.



FIRE PROTECTION 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 1354.35 Lot 10 Qualification Code 10
Work Site Location 178 CALVIN CT BRICK NJ 08724

Owner in Charge BANNIGAN
Tel [REDACTED] e-mail BRICK NJ 08724
Address 178 CALVIN CT BRICK NJ 08724
Contractor: The HEATING PRO'S Tel. (732) 657-0675
Address 374 VATH ST JACKSON NJ 08527 e-mail theheatingpros@aol.com

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 12/31/2011

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): VH01088800
Federal Emp. ID No. 82-0555526 FAX: (732) 657-9590

B. FIRE PROTECTION CHARACTERISTICS
Use Group: Present _____ Proposed _____ Fire Alarm System: [] New or [] Existing
Constr. Class: Present _____ Proposed _____ Location of Panel: _____
Heating System: [] New or [X] Existing [X] HVAC Fire Suppression/Standpipe System: _____
Type: [X] Gas [] Oil [] Electric [] Solar [] New or [] Existing
[] Other _____ Location of Main Control Valve: _____
Location: UTILITY ROOM
Fuel Storage Tank: _____
Fuel Type: [] Flammable or [] Combustible Capacity _____
Total Cost of Fire Protection Work \$ 4000.00

JOB SUMMARY (Office Use Only)		INSPECTIONS		Dates (Month/Day)	
PLAN REVIEW	Type:	Alarm System	Failure	Failure	Approval
☒ No Plans Required	Alarm System				
Joint Plan Review Required:	Suppression Sys.				
☐ Building	Standpipe				
☐ Electric	Fire Pump				
☐ Fire Plans Approved	Pre-Eng. System				
Date: <u>6-15-11</u>	Mechanical				
Approved by: <u>[Signature]</u>	Smoke Control				
SUBCODE APPROVAL	TCO				
☐ CO	Flam/Combust Tanks				
Date: <u>8-5-11</u>	Fireplace Venting				
Approved by: <u>[Signature]</u>	Final				
	Other				

U.C.C. F140 (rev. 10/06) Applicant: When submitting this form to your Local Construction Code Enforcement Office, please provide one original plus three photocopies.

C. CERTIFICATION IN LIEU OF OATH

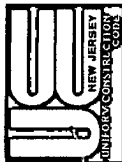
I hereby certify that I am the (agent of, owner of, record and am authorized to make this application. _____
Applicant's Signature/Contractor's Signature
[] Certified Contractor [X] Exempt Applicant

D. TECHNICAL SITE DATA DESCRIPTION OF WORK:

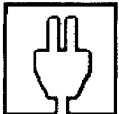
REMOVE AND REPLACE ONE FURNACE

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	
Fired Appliances [X] Gas or [] Oil	
Fireplace Venting/Metal Chimney	
Other _____	
Administrative Surcharge \$	
Minimum Fee \$	
State Permit Surcharge Fee \$	
TOTAL FEE \$	



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 1354.35 Lot 10 Qualification Code NJ 08724

Work Site Location 178 CALVIN CT BRICK NJ 08724

O DAVID KIRKMAN e-mail 178 CALVIN CT BRICK NJ 08724

Address 178 CALVIN CT BRICK NJ 08724

Contractor KMX ELECTRIC BRICK NJ 08724

Address 316 SEAMAN AVENUE BEACHWOOD, NJ 08722 Tel. 732 232-8800

Contractor License No. 11519 Exp. Date 11/1/11

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): 143627517

Federal Emp. ID No. 143627517 FAX: ()

B. ELECTRICAL CHARACTERISTICS

Use Group Present [] Temporary [] Other []

Building Occupied as Utility Co.

Est. Cost of Elec. Work \$ 200.00

JOB SUMMARY (Office Use Only)		INSPECTIONS		Dates (Month/Day)	
PLAN REVIEW	Date Initial	Type	Failure	Approval	Initial
☒ No Plans Required	<u>6-14-11</u>	<u>Barrier-Free</u>			
Joint Plan Review Required:					
☐ Building	☐ Plumbing	<u>Trench</u>			
☐ Fire	☐ Elevator	<u>Temp. Serv.</u>			
☐ Elec. Plans Approved		<u>Constr. Serv.</u>			
Date:		<u>TCO</u>			
Approved by:		<u>Other</u>			
		<u>Service</u>			
		<u>Final</u>			
SUBCODE APPROVAL		<u>Barrier-Free</u>			
☐ CO	☐ CCO	<u>Temp. Cut-in-Card Date Issued</u>			
Date:		<u>Final Cut-in-Card Date Issued</u>			
Approved by:		<u>Annual Pool Inspection</u>			
		<u>Date of Grounding and Bonding</u>			
		<u>Certification</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.

[X] Licensed Elec. Contractor [] Certified Landscape Irrigation Contr [] Exempt Applicant

U.C.C. F120 (rev. 10/06)
Internet version

D. TECHNICAL SITE DATA

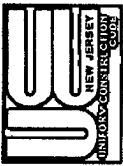
DESCRIPTION OF WORK

REMOVE AND REPLACE ONE FURNACE & A/C.

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	
		R&R FURNACE	

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

Applicant: When submitting this form to your Local Construction Code Enforcement Office, please provide one original plus three photocopies.



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 1354.35 Lot 10 Qualification Code NJ
Work Site Location 178 CALVIN CT BRICK NJ 08724

Owner DAVID M. DANIELIAN
Tel. () e-mail BRICK NJ 08724
Address 178 CALVIN CT BRICK NJ 08724 zip code
Contractor: THE HEATING PRO'S Tel. (732) 657-0675
Address 374 VATH ST JACKSON NJ 08527 e-mail theheatingpros@aol.com
Contractor License No. Exp. Date 12/31/2011
Home Improvement Contractor Registration No. or Exemption Reason (if applicable) VH01088800
Federal Emp. ID No. 82-0555526 FAX: ()

B. PLUMBING CHARACTERISTICS
Use Group Present Proposed
Building Sewer Size Public Sewer Private Septic
Water Service Size Public Water Private Well
Est. Cost of Plumbing Work \$ 7800.00

JOB SUMMARY (Office Use Only)		INSPECTIONS		Dates (Month/Day)	
PLAN REVIEW		Type	Failure	Approval	Initial
☐ No Plans Required		Slab			
Joint Plan Review Required:		Rough			
☐ Building	☐ Electric	Water			
☐ Fire	☐ Elevator	Sewer			
☒ Plumbing Plans Approved		Fixtures			
Date: <u>6/24/11</u>		Gas Equipment			
Approved by: <u>[Signature]</u>		Gas Piping			
SUBCODE APPROVAL <u>6-28-11</u>		LP Gas Tank			
☐ CO	☐ CCO	Fuel Oil Piping			
Date: <u>8-4-11</u>		Solar			
Approved by: <u>[Signature]</u>		TCO			
		<u>FINAL</u>			<u>08.03.11 PA</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 [X] Exempt Applicant
Applicant's Signature/Contractor's Seal and Signature [Signature]

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

REMOVE and REPLACE ONE FURNACE & A/C

QTY. 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	
LP Gas Tank	
Steam Boiler	
Hot Water Boiler	
Sewer Pump	
Interceptor/Separator	
Backflow Preventer	
Greasetrap	
Sewer Connection	
Water Service Connection	
Stacks	
Other R&R FURNACE	1
Other R&R A/C	1

FEE (Office Use Only)

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

90,000

U.C.C. F130 (rev. 10/06)
Internet version

Applicant: When submitting this form to your Local Construction Code Enforcement Office, please provide one original plus three photocopies.



FIRE PROTECTION 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 1354.35 Lot 10
Work Site Location 178 CALVIN CT BRICK NJ 08724

Owner: Ego BANNIGAN
Tel: [redacted] e-mail: [redacted]
Address: 178 CALVIN CT BRICK NJ 08724
Contractor: The HEATING PRO'S
Address: 374 VATH ST JACKSON NJ 08527
Tel: (732) 657-0675
e-mail: theheatingpros@aol.com

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 12/31/2011

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): VH01088800
Federal Emp. ID No. 82-0555526 FAX: (732) 657-9590

B. FIRE PROTECTION CHARACTERISTICS
Use Group: Present Proposed Fire Alarm System: [] New OR [] Existing
Constr. Class: Present Proposed Location of Panel: _____
Heating System: [] New OR [X] Existing [X] HVAC Fire Suppression/Standpipe System: _____
Type: [X] Gas [] Oil [] Electric [] Solar [] New OR [] Existing
[] Other Location of Main Control Valve: _____

Location: UTILITY ROOM
Fuel Storage Tank: _____
Fuel Type: [] Flammable OR [] Combustible Capacity _____
Total Cost of Fire Protection Work \$ 4000.00

JOB SUMMARY (Office Use Only)		INSPECTIONS		Dates (Month/Day)	
PLAN REVIEW	Type	Alarm System	Failure	Failure	Approval
[] No Plans Required	Suppression Sys.				
[] Building [] Plumbing	Standpipe				
[] Electric [] Elevator	Fire Pump				
[] Fire Plans Approved	Pre-Eng. System				
Date: 6-6-11	Mechanical				
Approved by: [signature]	Smoke Control				
SUBCODE APPROVAL	TCO				
[] CO [] CCO [] CA	Flam/Combust Tanks				
Date: _____	Fireplace Venting				
Approved by: _____	Final				
	Other				

U.C.C. F140 (rev. 10/06) Applicant: When submitting this form to your Local Construction Code Enforcement Office, please provide one original plus three photocopies.

Date Received Control #
Date Issued Permit #

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 [X] Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK:

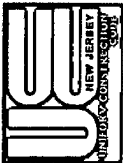
REMOVE AND REPLACE ONE FURNACE

Water Supply Source _____
Method of Alarm/Suppression System Supervision _____

FEE (Office Use Only)

NUMBER	
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	
Fired Appliances [X] Gas or [] Oil	
Fireplace Venting/Metal Chimney	
Other _____	

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



FIRE PROTECTION 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 1354.35 Lot 10 Qualification Code 178 CALVIN CT BRICK NJ 08724

Work Site Location 178 CALVIN CT BRICK NJ 08724

Owner in Fee: BANNIGAN

Tel: [REDACTED] e-mail: BRICK NJ 08724

Address: 178 CALVIN CT BRICK NJ 08724

Contractor: The HEATING PRO'S Tel: (732) 657-0675

Address: 374 VATH ST JACKSON NJ 08527 e-mail: theheatingpros@aol.com

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 12/31/2011

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): VH01088800

Federal Emp. ID No. 82-0555526 FAX: (732) 657-9590

B. FIRE PROTECTION CHARACTERISTICS

Use Group: Present _____ Proposed _____ Fire Alarm System: [] New OR [] Existing

Constr. Class: Present _____ Proposed _____ Location of Panel: _____

Heating System: [] New OR [X] Existing [X] HVAC Fire Suppression/Standpipe System: _____

Type: [X] Gas [] Oil [] Electric [] Solar [] New OR [] Existing

[] Other _____ Location of Main Control Valve: _____

Location: UTILITY ROOM

Fuel Storage Tank: _____ Capacity _____

Fuel Type: [] Flammable OR [] Combustible _____

Total Cost of Fire Protection Work \$ 4000.00

JOB SUMMARY (Office Use Only)		INSPECTIONS		Dates (Month/Day)	
PLAN REVIEW	Type:	Alarm System	Failure	Failure	Approval
[] No Plans Required	Alarm System				Initial
[] Joint Plan Review Required	Suppression Sys.				
[] Building [] Plumbing	Standpipe				
[] Electric [] Elevator	Fire Pump				
[] Fire Plans Approved	Pre-Eng. System				
Date: <u>6/10/11</u>	Mechanical				
Approved by: <u>[Signature]</u>	Smoke Control				
SUBCODE APPROVAL	TCO				
[] CO [] CCO [] CA	Flam/Combust Tanks				
Date: _____	Fireplace Venting				
Approved by: _____	Final				
	Other				

U.C.C. F140 (rev. 10/06) Applicant: When submitting this form to your Local Construction Code Enforcement Office, please provide one original plus three photocopies.

Date Received
Control #
Date Issued
Permit #

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 [X] Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK:

REMOVE AND REPLACE ONE FURNACE

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		
Fired Appliances [X] Gas or [] Oil	<u>1</u>	
Fireplace Venting/Metal Chimney		
Other		
Administrative Surcharge \$		
Minimum Fee \$		
State Permit Surcharge Fee \$		
TOTAL FEE \$		



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 1354.35 Lot 10 Qualification Code NJ 08724
Work Site Location 178 CALVIN CT BRICK

Owner in Fee: BANNIGAN

Address 178 CALVIN CT BRICK NJ 08724
Contractor KMX ELECTRIC street municipality Tel. (732) 232-8800
Address 316 SEAMAN AVENUE BEACHWOOD, NJ 08722 e-mail
Contractor License No. 11519 Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____
Federal Emp. ID No. 143627517 FAX: () _____

B. ELECTRICAL CHARACTERISTICS

Use Group Present _____ Proposed _____
[] Pole/Pad # _____ [] Temporary [] Other _____
Building Occupied as _____ Utility Co. _____
Est. Cost of Elec. Work \$ 200.00

JOB SUMMARY (Office Use Only)			
PLAN REVIEW	Date	Initial	Dates (Month/Day)
[] No Plans Required			Failure Approval Initial
Joint Plan Review Required:			
[] Building [] Plumbing			
[] Fire [] Elevator			
[] Elec. Plans Approved			
Date: _____			
Approved by: _____			
SUBCODE APPROVAL			
[] CO [] CCO [] CA			
Date: _____			
Approved by: _____			
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.

[] Licensed Elec. Contractor [] Certified Landscape Irrigation Contr. [] Exempt Applicant
Applicant Signature: _____
Contractor Seal and Signature: _____

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

REMOVE AND REPLACE ONE FURNACE & A/C.

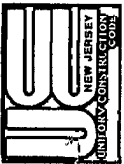
QTY.	SIZE	ITEMS	FEE (Office Use Only)
		Lighting Fixtures	
		Receptacles	
		Switches	
		Detectors	
		Light Poles	
		Motors—Fract. HP	
		Emergency & Exit Lights	
		Communications Points	
		Alarm Devices/F.A.C. Panel	
		TOTAL NUMBERS	
		Pool Permit/with UW Lights	
		Storable Pool/Spa/Hot Tub	
		KW Elec. 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 1/4 HP	
		KW Transformer/Generator	
		AMP Service	
		AMP Subpanels	
		AMP Motor Control Center	
		KW Elec. Sign/Outline Light	
1	1-2	R&R FURNACE	

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

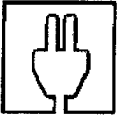
Date Received
Control #

Date Issued
Permit #

7/1/11
11-194



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 1354.35 Lot 10 Qualification Code NJ 08724
Work Site Location 178 CALVIN CT BRICK NJ 08724

Owner in Esc: BANNIGAN e-mail BRICK NJ 08724

Address 178 CALVIN CT BRICK NJ 08724
Contractor KMX ELECTRIC street municipality

Address 316 SEAMAN AVENUE BEACHWOOD, NJ 08722 Tel. (732) 232-8800
e-mail

Contractor License No. 11519 Exp. Date

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

Federal Emp. ID No. 143627517 FAX: ()

B. ELECTRICAL CHARACTERISTICS
Use Group Present Proposed
☐ Pole/Pad # ☐ Temporary ☐ Other
Building Occupied as Utility Co.

Est. Cost of Elec. Work \$ 200.00

JOB SUMMARY (Office Use Only)			
PLAN REVIEW	Date	INSPECTIONS	Dates (Month/Day)
☐ No Plans Required	Initial	Type	Failure
Joint Plan Review Required:		Rough	Approval
☐ Building	☐ Plumbing	Barrier-Free	Initial
☐ Fire	☐ Elevator	Trench	
☐ Elec. Plans Approved		Temp. Serv.	
Date: <u></u>		Constr. Serv.	
Approved by: <u></u>		TCO	
		Other	
		Service Final	
		Barrier-Free	
		Temp. Cut-in-Card Date Issued	
		Final Cut-in-Card Date Issued	
		Annual Pool Inspection	
		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.

☒ Licensed Elec. Contractor ☐ Certified Landscape Irrigation/Contr ☐ Exempt Applicant

U.C.C. F120 (rev. 10/06)
Internet version

Date Received
Control #
Date Issued
Permit #

D. TECHNICAL SITE DATA

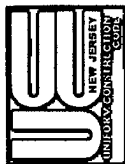
DESCRIPTION OF WORK

REMOVE AND REPLACE ONE FURNACE & A/C.

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 1/4 HP	
		KW Transformer/Generator	
		AMP Service	
		AMP Subpanels	
		AMP Motor Control Center	
		KW Elec. Sign/Outline Light	
		R&R FURNACE	

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

Applicant: When submitting this form to your Local Construction Code Enforcement Office, please provide one original plus three photocopies.



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 1354.35 Lot 10 Qualification Code NJ 08724
Work Site Location 178 CALVIN CT BRICK NJ 08724

Owner in Care: RANNIGAN

Address 178 CALVIN CT BRICK NJ 08724
City BRICK State NJ Zip code 08724

Contractor: THE HEATING PRO'S Tel. (732) 657-0675

Address 374 VATH ST JACKSON NJ 08527 e-mail theheatingpros@aol.com

Contractor License No. _____ Exp. Date 12/31/2011

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): VH01088800

Federal Emp. ID No. 82-0555526 FAX: () _____

B. PLUMBING CHARACTERISTICS

Use Group Present _____ Proposed _____

Building Sewer Size _____ Public Sewer _____ Private Septic _____

Water Service Size _____ Public Water _____ Private Well _____

Est. Cost of Plumbing Work \$ 7800.00

JOB SUMMARY (Office Use Only)

PLAN REVIEW	INSPECTIONS	Dates (Month/Day)
☐ No Plans Required	Type: _____	Failure _____ Approval _____ Initial _____
Joint Plan Review Required:	Slab _____	
☐ Building	Rough _____	
☐ Fire	Water _____	
☐ Elevator	Sewer _____	
☐ Plumbing Plans Approved	Fixtures _____	
Date: <u>6/24/11</u>	Gas Equipment _____	
Approved by: <u>[Signature]</u>	Gas Piping _____	
	LPGas Tank _____	
SUBCODE APPROVAL <u>6-24-11</u>	Fuel Oil Piping _____	
☐ CO ☐ CCO ☐ CA	Solar _____	
Date: _____	TCO _____	
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 and perform the work listed on this application.

Applicant's Signature/Contractor's Seal and Signature
[Signature]

☐ Licensed Plumbing Contractor ☒ Exempt Applicant

U.C.C. F130 (rev. 10/06)
Internet version

Applicant: When submitting this form to your Local Construction Code Enforcement Office, please provide one original plus three photocopies.

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

REMOVE and REPLACE ONE FURNACE & A/C

FIXTURE/EQUIPMENT

QTY.	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	
	LPGas Tank	
	Steam Boiler	
	Hot Water Boiler	
	Sewer Pump	
	Interceptor/Separator	
	Backflow Preventer	
	Greasetrap	
	Sewer Connection	
	Water Service Connection	
	Stacks	
1	Other R&R FURNACE	
1	Other R&R A/C	

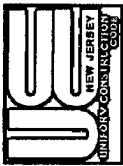
FEE (Office Use Only)
\$ _____

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

90,000

Date Received _____
Control # _____
Date Issued _____
Permit # _____

7/1/11
11-1940



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 1354.35 Lot 10 Qualification Code NJ 08724
Work Site Location 178 CALVIN CT BRICK NJ 08724

Owner in Fee: RANNIGAN
Address 178 CALVIN CT BRICK NJ 08724
street municipality zip code

Contractor: THE HEATING PRO'S Tel. (732) 657-0675

Address 374 VATH ST JACKSON NJ 08527 e-mail theheatingpros@aol.com

Contractor License No. Exp. Date 12/31/2011

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): VH01088800

Federal Emp. ID No. 82-0555526 FAX: () () ()

B. PLUMBING CHARACTERISTICS

Use Group Present Proposed

Building Sewer Size Public Sewer Private Septic

Water Service Size Public Water Private Well

Est. Cost of Plumbing Work \$ 7800.00

JOB SUMMARY (Office Use Only)		INSPECTIONS		Dates (Month/Day)	
PLAN REVIEW	Type	Slab	Rough	Failure	Approval
☐ No Plans Required					
Joint Plan Review Required:					
☐ Building	☐ Electric				
☐ Fire	☐ Elevator				
☐ Plumbing Plans Approved					
Date: <u>6/24/11</u>					
Approved by: <u>[Signature]</u>					
SUBCODE APPROVAL <u>6-25-11</u>					
☐ CO	☐ CCO	☐ CA			
Date: <u> </u>					
Approved by: <u> </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 [X] Exempt Applicant

Applicant's Signature/Contractor's Seal and Signature

90,000

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

REMOVE and REPLACE ONE FURNACE & A/C

QTY.	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	
	LPGas Tank	
	Steam Boiler	
	Hot Water Boiler	
	Sewer Pump	
	Interceptor/Separator	
	Backflow Preventer	
	Greasetrap	
	Sewer Connection	
	Water Service Connection	
	Stacks	
1	Other R&R FURNACE	
1	Other R&R A/C	
		Administrative Surcharge \$
		Minimum Fee \$
		State Permit Surcharge Fee \$
		TOTAL FEE \$

U.C.C. F-130 (rev. 10/06)
Internet version

Applicant: When submitting this form to your Local Construction Code Enforcement Office, please provide one original plus three photocopies.

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

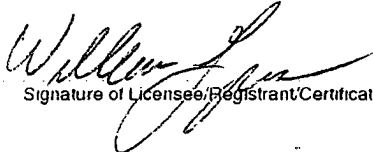
The Heating Pros
William Gemignani
374 Vath Street
Jackson NJ 08527

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

10/22/2010 TO 12/31/2011
VALID

13VH01088800

LICENSE/REGISTRATION/CERTIFICATION #


Signature of Licensee/Registrant/Certificate Holder


ACTING DIRECTOR



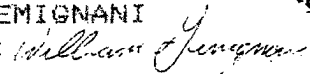
People Helping People Build a Safer World™

Mr William Gemignani

The Heating Pro's

Building Safety Professional Dues

Member #: 5269552 Exp: 10/31/2011

The
Refrigeration Service Engineers Society
Confirms that
ID 039204084
WILLIAM GEMIGNANI
Signature: 

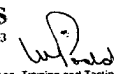
has been certified as
Type-I Type-II

technician as required by 40 CFR part 82, subpart F through the

PROPER REFRIGERANT PRACTICES

Program approved by the U.S. Environmental Protection Agency 09/20/93




Manager Education, Training and Testing

The Heating Pro's

374 Vath Street

Jackson, NJ 08527

(732) 657-0675 Fax (732) 657-9590

Cell (908) 770-5997

email theheatingpros@aol.com

www.theheatingpros.com

06/22/2011

BRICK TOWNSHIP

ATTN: BUILDING DEPARTMENT

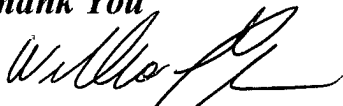
Re: Permit application

Control # C-11-002076

178 Calvin Court

The existing gas Hot air furnace is a 90000 Btu input with a 70000 Btu output and the new Furnace will be a 90000 Btus input 71000 output two stage

Thank You



William Gemignani



Turn to the Experts.™



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

Subcode Official Review

To: 178 CALVIN CT BRICK, NJ 08724

CC:

RE: Plumbing Subcode
Block: 1354.35 Lot: 10 Qual:
178 CALVIN CT.
Permit Number: Control Number: C-11-002076
Last Submit Date: Tuesday, June 21, 2011

Date: Wednesday, June 22, 2011

Dear SICCARDI, ROBERT & MARGARET E;ETALS,
Your request is hereby denied based upon the following infractions.
1- submit the btu input & OUTPUT of the existing and the
replacement furnace

Sincerely,

Paul Auth , Subcode Official



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

6/22/11
Failed
Cont

Subcode Official Review

To: 178 CALVIN CT BRICK, NJ 08724

CC:

RE: Plumbing Subcode
Block: 1354.35 Lot: 10 Qual:
178 CALVIN CT.
Permit Number: Control Number: C-11-002076
Last Submit Date: Tuesday, June 21, 2011

Date: Wednesday, June 22, 2011

Dear SICCARDI, ROBERT & MARGARET E;ETALS,
Your request is hereby denied based upon the following infractions.
1- submit the btu input & OUTPUT of the existing and the
replacement furnace

Sincerely,

Paul Auth , Subcode Official

*** FAX TX REPORT ***

TRANSMISSION OK

JOB NO. 1348
DESTINATION ADDRESS 97326579590
PSWD/SUBADDRESS
DESTINATION ID
ST. TIME 06/22 09:37
USAGE T 00' 28
PGS. 1
RESULT OK



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

Subcode Official Review

To: 178 CALVIN CT BRICK, NJ 08724

CC:

RE: Plumbing Subcode
Block: 1354.35 Lot: 10 Quad:

178 CALVIN CT.

Permit Number: Control Number: C-11-002076
Last Submit Date: Tuesday, June 21, 2011

Date: Wednesday, June 22, 2011

Dear SICCARDI, ROBERT & MARGARET E.ETALS,

Your request is hereby denied based upon the following infractions.
1- submit the bio input & OUTPUT of the existing and the
replacement furnace

Sincerely,

Paul Auth, Subcode Official

The Heating Pro's

374 Vath Street

Jackson, NJ 08527

(732) 657-0675

Fax (732) 657-9590

Cell (908) 770-5997

email theheatingpros@aol.com

www.theheatingpros.com

RECD JUN 21, 2011

06/17/2011

BRICK TOWNSHIP

ATTN: BUILDING DEPARTMENT

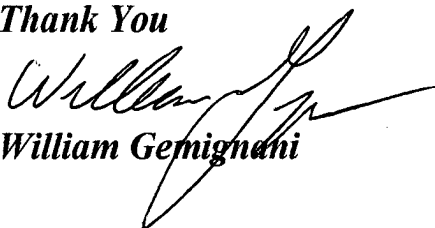
Re: Permit application

Control # C-11-002076

178 Calvin Court

The existing gas Hot air furnace is a 90000 Btu and the new Furnace will be a 90000 Btus input 71000 output two stage

Thank You


William Gemignani



Turn to the Experts.™



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

Subcode Official Review

To: 178 CALVIN CT BRICK, NJ 08724

CC:

RE: Plumbing Subcode
Block: 1354.35 Lot: 10 Qual:
178 CALVIN CT.
Permit Number: Control Number: C-11-002076
Last Submit Date: Tuesday, June 14, 2011

Date: Thursday, June 16, 2011

Dear SICCARDI, ROBERT & MARGARET E;ETALS,

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

90800 BTU'S
582VA090-14

Sincerely,

Robert Wennlund, Subcode Official



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

Subcode Official Review

To: 178 CALVIN CT BRICK, NJ 08724

CC:

RE: Plumbing Subcode
Block: 1354.35 Lot: 10 Qual:
178 CALVIN CT.
Permit Number: Control Number: C-11-002076
Last Submit Date: Tuesday, June 14, 2011

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Robert Wennlund, Subcode Official

Resubmit
6/21/11

*** FAX TX REPORT ***

TRANSMISSION OK

JOB NO. 1240
DESTINATION ADDRESS 97326579590
PSWD/SUBADDRESS
DESTINATION ID
ST. TIME 06/16 13:39
USAGE T 00' 27
PGS. 1
RESULT OK

faxed 6/16



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

Subcode Official Review

To: 178 CALVIN CT BRICK, NJ 08724

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RE: Plumbing Subcode
Block: 1354.35 Lot: 10 Qual:
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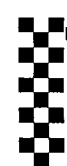
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Robert Wennlund, Subcode Official



The Heating Pro's

374 Vath Street

Jackson, NJ 08527

(732) 657-0675 Fax (732) 657-9590

Cell (908) 770-5997

email theheatingpros@aol.com

www.theheatingpros.com

06/17/2011

BRICK TOWNSHIP

ATTN: BUILDING DEPARTMENT

Re: Permit application

Control # C-11-002076

178 Calvin Court

The existing gas Hot air furnace is a 90000 Btu and the new Furnace will be a 90000 Btus input 71000 output two stage

Thank You



William Gemignani



Turn to the Experts™



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

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NXA6

Performance Series Product Specifications

HIGH EFFICIENCY 16 SEER AIR CONDITIONER ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz Submitted By
REFRIGERATION CIRCUIT The Heating Pro's

- Copeland® compressors on all models
- Filter-Drier supplied with every unit for field installation
- Copper tube / aluminum fin coil
- ^48 and ^60 models for higher SEER, lower capacity
- ^49 and ^61 models for higher capacity, lower SEER

EASY TO INSTALL AND SERVICE

- Easy Access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

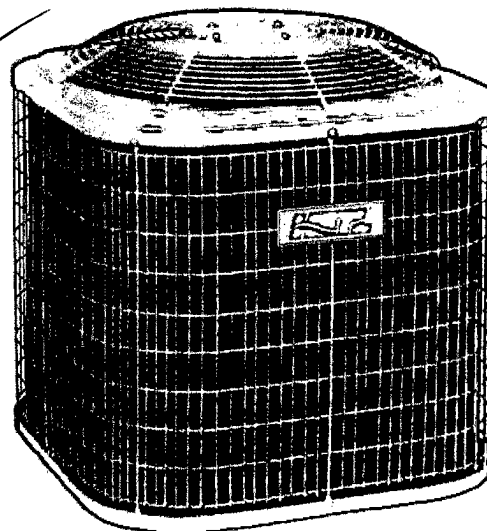
BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection

WARRANTY*

- 5 year compressor limited warranty
- 5 year parts limited warranty (including compressor and coil)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Model Number	Size (tons)	Nominal BTU/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)
NXA618GKA	1½	18,000	11.8	20	28-11/16 x 25-3/4 x 25-3/4 (729 x 654 x 654)	154 / 125 (70 / 57)
NXA624GKA	2	24,000	17.7	25	28-5/16 x 31-3/16 x 31-3/16 (719 x 792 x 792)	147 / 183 (83 / 67)
NXA630GKA	2½	30,000	16.8	25	32-5/16 x 31-3/16 x 31-3/16 (821 x 792 x 792)	188 / 153 (85 / 69)
(NXA636GKA)	(3)	(36,000)	(18.1)	(30)	28-5/16 x 35 x 35 (719 x 889 x 889)	204 / 165 (93 / 75)
NXA642GKA	3½	42,000	23.6	40	39-1/8 x 35 x 35 (994 x 889 x 889)	254 / 213 (115 / 96)
NXA648GKA	4	48,000	26.1	40	39-1/8 x 35 x 35 (994 x 889 x 889)	317 / 264 (144 / 120)
NXA649GKA	4	48,000	28.4	40	39-1/8 x 35 x 35 (994 x 889 x 889)	269 / 231 (122 / 105)
NXA660GKA	5	60,000	28.0	40	45-15/16 x 35 x 35 (1167 x 889 x 889)	310 / 272 (141 / 123)
NXA661GKA	5	60,000	32.5	50	45-15/16 x 35 x 35 (1167 x 889 x 889)	310 / 272 (141 / 123)

Specifications subject to change without notice.

421 11 6200 00 July 2010

PHYSICAL DATA

Model Size	18	24	30	36	42	48	49	60	61
Nominal Cooling Capacity (BTU/hr)	18,000	24,000	30,000	36,000	42,000	48,000	48,000	60,000	60,000
Nominal SEER	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
Sound Rating (dBA)**	76	76	76	76	78	78	78	78	79
PSC Fan Motor HP	1/12	1/10	1/10	1/12	1/5	1/4	1/4	1/4	1/4
Fan RPM (single speed)	1100	1100	1100	830	830	830	830	830	830
Fan CFM	1900	2600	2600	3200	3800	4100	4100	4100	4100
Coil Face Area ft ² (m ²)	11.47 (1.1)	15.07 (1.4)	17.22 (1.6)	17.58 (1.6)	25.12 (2.3)	25.12 (2.3)	25.12 (2.3)	30.15 (2.8)	30.15 (2.8)
Coil Rows – fins per inch	1 – 25	1 – 25	1 – 25	1 – 25	1 – 25	2 – 20	1 – 25	2 – 20	2 – 20
Liquid Line Connection Size in. (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)
Vapor Line Connection Size in. (mm)	3/4 (19)	3/4 (19)	3/4 (19)	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)
Recommended Line Set Liquid Tube Diameter in. (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)
Recommended Line Set Vapor Tube Diameter in. (mm)	3/4 (19) *	3/4 (19) *	3/4 (19) *	7/8 (22) *	7/8 (22) *	7/8 (22) *	7/8 (22) *	1-1/8 (29) *	1-1/8 (29) *

* Recommended Vapor Tube Line size is for standard installations. These recommendations may not apply to "Long Line" installations. When the total equivalent line length exceeds 80 feet (24.4m) or there is more than 20 feet (6.1m) vertical separation between indoor and outdoor units, consult the Long Line Application Guide line document before purchasing/installing line sets.

Factory Charge R-410A lbs. (kg)	4.61 (2.09)	6.00 (2.72)	6.81 (3.09)	7.00 (3.18)	8.62 (3.91)	13.00 (5.90)	9.00 (4.08)	14.50 (6.58)	14.50 (6.58)
Required Subcooling ° F (° C)	10 (6)	10 (6)	10 (6)	10 (6)	9 (5)	8 (4)	8 (4)	9 (5)	9 (5)
Weight, shipping lbs. (kg)	154 (70)	183 (83)	188 (85)	204 (93)	254 (115)	317 (144)	269 (122)	310 (141)	310 (141)
Weight, operating lbs. (kg)	125 (57)	147 (67)	153 (69)	165 (75)	213 (96)	264 (120)	231 (105)	272 (123)	272 (123)

ELECTRICAL DATA (208/230-1-60, voltage range 197V – 253V)

Model Size	18	24	30	36	42	48	49	60	61
Minimum Circuit Ampacity – MCA (amps)	11.8	17.7	16.8	18.1	23.6	26.1	28.4	28.0	32.5
Maximum OverCurrent Protective device – MOCP (amps)	20	25	25	30	40	40	40	40	50
Compressor RLA (Rated Load Amps) LRA (Locked Rotor Amps)	9.0 48.0	13.5 58.3	12.8 64.0	14.1 77.0	17.9 112.0	19.9 109.0	21.8 117.0	21.4 135.0	25.0 134.0
Fan Motor FLA (Full Load Amps)	.50	.75	.75	.50	1.2	1.2	1.2	1.2	1.2

**Sound Rating tested in accordance with ARI Standard 270-95 (not listed with ARI).



NXA6

Performance Series
Product Specifications

HIGH EFFICIENCY 16 SEER AIR CONDITIONER ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz Submitted By
REFRIGERATION CIRCUIT The Heating Pro's

- Copeland® compressors on all models
- Filter-Drier supplied with every unit for field installation
- Copper tube / aluminum fin coil
- ^48 and ^60 models for higher SEER, lower capacity
- ^49 and ^61 models for higher capacity, lower SEER

EASY TO INSTALL AND SERVICE

- Easy Access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

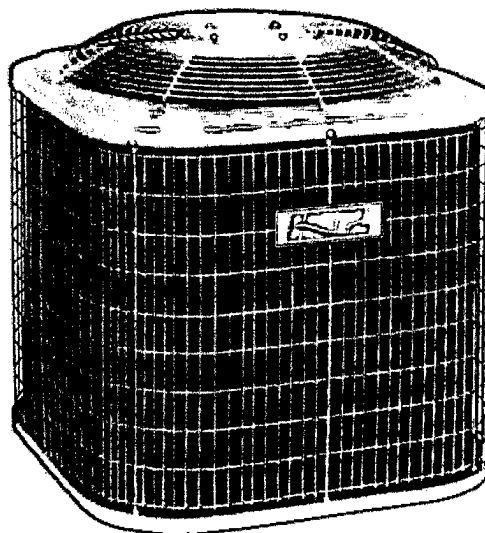
BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection

WARRANTY*

- 5 year compressor limited warranty
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 - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

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Nominal SEER	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
Sound Rating (dBA)**	76	76	76	76	78	78	78	78	79
PSC Fan Motor HP	1/12	1/10	1/10	1/12	1/5	1/4	1/4	1/4	1/4
Fan RPM (single speed)	1100	1100	1100	830	830	830	830	830	830
Fan CFM	1900	2600	2600	3200	3800	4100	4100	4100	4100
Coil Face Area ft ² (m ²)	11.47 (1.1)	15.07 (1.4)	17.22 (1.6)	17.58 (1.6)	25.12 (2.3)	25.12 (2.3)	25.12 (2.3)	30.15 (2.8)	30.15 (2.8)
Coil Rows – fins per inch	1 – 25	1 – 25	1 – 25	1 – 25	1 – 25	2 – 20	1 – 25	2 – 20	2 – 20
Liquid Line Connection Size in. (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)
Vapor Line Connection Size in. (mm)	3/4 (19)	3/4 (19)	3/4 (19)	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)
Recommended Line Set Liquid Tube Diameter in. (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)
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Required Subcooling ° F (° C)	10 (6)	10 (6)	10 (6)	10 (6)	9 (5)	8 (4)	8 (4)	9 (5)	9 (5)
Weight, shipping lbs. (kg)	154 (70)	183 (83)	188 (85)	204 (93)	254 (115)	317 (144)	269 (122)	310 (141)	310 (141)
Weight, operating lbs. (kg)	125 (57)	147 (67)	153 (69)	165 (75)	213 (96)	264 (120)	231 (105)	272 (123)	272 (123)

ELECTRICAL DATA (208/230-1-60, voltage range 197V – 253V)

Model Size	18	24	30	36	42	48	49	60	61
Minimum Circuit Ampacity – MCA (amps)	11.8	17.7	16.8	18.1	23.6	26.1	28.4	28.0	32.5
Maximum OverCurrent Protective device – MOCP (amps)	20	25	25	30	40	40	40	40	50
Compressor RLA (Rated Load Amps) LRA (Locked Rotor Amps)	9.0 48.0	13.5 58.3	12.8 64.0	14.1 77.0	17.9 112.0	19.9 109.0	21.8 117.0	21.4 135.0	25.0 134.0
Fan Motor FLA (Full Load Amps)	.50	.75	.75	.50	1.2	1.2	1.2	1.2	1.2

**Sound Rating tested in accordance with ARI Standard 270-95 (not listed with ARI).

State of New Jersey
Department of Community Affairs
Office of Local Code Enforcement
Central Regional Office
P.O. Box 821
Trenton, New Jersey 08625-0821



CERTIFICATION FOR ONE & TWO FAMILY DWELLING
SMOKE DETECTOR AND CARBON MONOXIDE ALARM COMPLIANCE

Dwelling Location: Block 135435 Lot 10

(not mailing address) Street 16 Calvin St.

Municipality Brick County Ocean

Property Owner Name Roy Bannigan

Pursuant to N.J.A.C. 5:23-3.20, 6.4, 6.5, 6.6, 6.7, 6.21A, 6.25A, 6.26A, 6.27, & 6.31.
An inspection shall be conducted by the owner or authorized representative of the owner.
The carbon monoxide alarms are required when dwellings contain any fuel burning
appliances or dwelling has an attached garage and shall be installed per NFPA 720.
Required carbon monoxide alarms are to be outside each separate sleeping area. The
smoke detectors required shall be located in accordance with NFPA 72. Required smoke
detectors are to be on each level of the dwelling, including basements and outside each
separate sleeping area. The detectors are not required to be interconnected. Battery
powered detectors and alarms are acceptable. NOTE: AC powered and/or interconnected
smoke detectors and alarms installed in homes constructed or altered after January, 1977
shall be maintained in working order.

I do hereby certify that the detectors and alarms are installed as stated above and in
working order. I am the (agent of) owner of record and am authorized to make this
statement. I am aware that if any of the foregoing statements made by me are willfully
false, I will be subject to penalty.

X Roy Bannigan 5/13/11
Applicant Signature Date

Roy Bannigan
Printed Name



CHIMNEY CERTIFICATION FOR REPLACEMENT OF FUEL FIRED EQUIPMENT

BLOCK 1354.35 LOT 10 QUALIFICATION CODE _____ PERMIT # _____
WORK SITE ADDRESS 178 CALVIN CT BRICK NJ 08724

Applicant BANNIGAN

Certifying Individual WILLIAM GEMIGNANI Company THE HEATING PRO'S
Address 374 VATH STREET JACKSON NJ 08527
Street City State Zip Code

Tel. (732) 657-0675

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

Signature

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.

Signature

Date

5/23/11

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.

58CVA/CVX

INFINITY™ 80 VARIABLE SPEED

4-WAY MULTIPOISE FURNACE

Input Capacities: 70,000 thru 155,000 Btuh

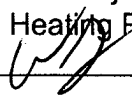


Turn to the Experts.

Product Data





Submitted by
The Heating Pro's
By 





MEETS DOE RESIDENTIAL CONSERVATION SERVICES PROGRAM STANDARDS.

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

A04042

THE INFINITY® 80 GAS FURNACE

The Infinity™ 80 Variable-Speed, 4-way Multipoise Gas Furnaces offer unmatched comfort with ComfortHeat™ technology and IdealHumidity™ in an 80% AFUE gas furnace. You get all the benefits of a ComfortHeat technology furnace: reduced drafts, reduced sound levels, longer cycles, less temperature swings between cycles, and less temperature differences between rooms. With the variable speed blower motor, homeowners can now economically run constant fan to help eliminate temperature differences throughout the house and to get better indoor air quality. This IdealHumidity furnace also increases comfort in the summer by wringing out extra humidity when needed. The Infinity 80 furnaces are approved for use with natural or propane gas, and the 58CVX is also approved for use in Low NOx Air Quality Management Districts.

Carrier Infinity™ System When the Infinity 80 variable-speed gas furnace is matched with the Infinity Control and an air conditioner or heat pump, you will experience the ultimate in ComfortHeat and IdealHumidity through unparalleled control of temperature, humidity, indoor air quality, and zoning. The Carrier Infinity System also provides unprecedented ease of use through on-screen, text-based service reminders and equipment malfunction alerts.

For even greater comfort and convenience, match the Infinity 80 furnace with an Infinity air conditioner or heat pump. This will create a fully communicating system, requiring only 4 thermostat wires between system components, and troubleshooting can even be done in the future from the outdoor unit without entering the home.

Optional remote access through telephone or Internet is also available when combined with a remote connectivity kit.

STANDARD FEATURES

- Infinity™ System-match with the Infinity™ Control for Infinity™ System benefits
- ComfortHeat™ Technology
Intelligent microprocessor control
- Two-stage heating with single-stage thermostat with patented Adaptive Control Technology

Physical data

58CVA/58CVX

UNIT SIZE			070-12	090-16	110-20	135-22	155-22
OUTPUT CAPACITY BTUH* (Nonweatherized ICS) †	All 58CVA; 58CVX Upflow	High	54,000	71,000	89,000	107,000	125,000
		Low	35,000	47,000	59,000	70,000	82,000
	58CVX Downflow/Horizontal	High	51,000	68,000	85,000	102,000	119,000
		Low	35,000	47,000	59,000	70,000	82,000
INPUT BTUH*	All 58CVA; 58CVX Upflow	High	66,000	88,000	110,000	132,000	154,000
		Low	43,500	58,000	72,500	87,000	101,500
	58CVX Downflow/Horizontal	High	63,000	84,000	105,000	126,000	147,000
		Low	43,500	58,000	72,500	87,000	101,500
SHIPPING WEIGHT (lb)			127	151	162	177	183
CERTIFIED TEMP RISE RANGE (°F)			High	30-60	40-70	40-70	45-75
			Low	30-60	30-60	25-55	30-60
CERTIFIED EXT STATIC PRESSURE	Heating	High	0.12	0.15	0.20	0.20	0.20
	Cooling	Low	0.5	0.5	0.5	0.5	0.5
AIRFLOW CFM‡	Heating-High/Low		1180/735	1210/985	1475/1320	1915/1700	1970/1715
	Cooling		1225	1400	2095	2100	2095
AFUE%*	Nonweatherized ICS		80.0	80.0	80.0	80.0	80.0
LIMIT CONTROL					SPST		
HEATING BLOWER CONTROL					Solid-State Time Operation		
BURNERS (Monoport)			3	4	5	6	7
GAS CONNECTION SIZE					1/2-in. NPT		
GAS VALVE (Redundant) Manufacturer					White-Rodgers		
Minimum Inlet Pressure (In. wc)					4.5 (Natural Gas)		
Maximum Inlet Pressure (In. wc)					13.6 (Natural Gas)		
IGNITION DEVICE					Hot Surface		

* Gas input ratings are certified for elevations to 2000 ft. For elevations above 2000 ft, reduce ratings 4 percent for each 1000 ft above sea level. Refer to National Fuel Gas Code Table F4 or furnace Installation Instructions. In Canada, derate the unit 10 percent for elevations 2000 to 4500 ft above sea level.

† Capacity in accordance with U.S. Government DOE test procedures.

‡ Airflow shown is for bottom only return-air supply in comfort mode (as-shipped). For air delivery above 1800 CFM, see Air Delivery Table for other options. A filter is required for each return-air supply.

ICS — Isolated Combustion System

Blower performance data

UNIT SIZE	070-12	090-16	110-20	135-22	155-22
DIRECT-DRIVE MOTOR Hp (ECM)	1/2	1/2	1	1	1
MOTOR FULL LOAD AMPS	7.7	7.7	12.8	12.8	12.8
RPM (Nominal)	300-1300	300-1300	300-1300	300-1300	300-1300
BLOWER WHEEL DIAMETER × WIDTHS (In.)	10 x 6	10 x 8	11 x 10	11 x 11	11 x 11

ECM—Electronically Commutated Motor, Variable Speed

INSTALLATION**MINIMUM INCHES CLEARANCE TO COMBUSTIBLE CONSTRUCTION
DISTANCE MINIMALE EN POUCES AUX CONSTRUCTIONS COMBUSTIBLES**

This forced air furnace is equipped for use with natural gas at altitudes 0-10,000 ft (0-3,050m).

An accessory kit, supplied by the manufacturer, shall be used to convert to propane gas use or may be required for some natural gas applications.

This furnace is for indoor installation in a building constructed on site.

This furnace may be installed on combustible flooring in alcove or closet at minimum clearance as indicated by the diagram from combustible material.

This furnace may be used with a Type B-1 Vent and may be vented in common with other gas fired appliances.

Cette fournaise à air pulsé est équipée pour utilisation avec gaz naturel et altitudes comprises entre 0-3,050m (0-10,000 pi).

Utiliser une trousse de conversion, fournie par le fabricant, pour passer au gaz propane ou pour certaines installations au gaz naturel.

Cette fournaise est prévue pour être installée dans un bâtiment construit sur place.

Cette fournaise peut être installée sur un plancher combustible dans une alcôve ou dans un garde-robe en respectant le minimum d'espace libre des matériaux combustibles, tel qu'indiqué sur le diagramme.

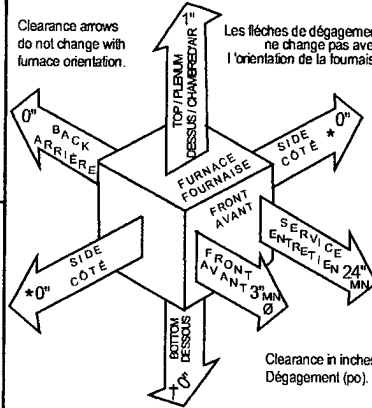
Cette fournaise peut être utilisée avec un conduit d'évacuation de Type B-1 ou connectée au conduit commun d'autres appareils à gaz.

This furnace is approved for UPFLOW, DOWNFLOW, and HORIZONTAL installations.

Cette fournaise est approuvée pour l'installation HORIZONTALE et la circulation d'air VERS LE HAUT et VERS LE BAS.

Clearance arrows do not change with furnace orientation.

Les flèches de dégagement ne change pas avec l'orientation de la fournaise.



Vent Clearance to combustibles:

For Single Wall vents 6 inches (6 po).

For Type B-1 vent type 1 inch (1 po).

Dégagement de l'évent avec combustibles:

Pour conduit d'évacuation à paroi simple 6 po (6 inches).

Pour conduit d'évacuation de Type B-1 1 po (1 inch).

MINIMUM INCHES CLEARANCE TO COMBUSTIBLE CONSTRUCTION**DOWNFLOW POSITIONS:**

† Installation on non-combustible floors only.

For Installation on combustible flooring only when installed on special base, Part No. KGASB0201ALL, Coil Assembly, Part No. CD5 or CK5, or Coil Casing, Part No. KCAKC.

Ø 18 inches front clearance required for alcove.

* Indicates supply or return sides when furnace is in the horizontal position. Line contact only permissible between lines formed by intersections of the Top and two Sides of the furnace jacket, and building joists, studs or framing.

**DÉGAGEMENT MINIMUM EN POUCES AVEC ÉLÉMENTS
DE CONSTRUCTION COMBUSTIBLES****POUR LA POSITION COURANT DESCENDANT:**

† Pour l'installation sur plancher non combustible seulement.

Pour l'installation sur un plancher combustible seulement quand on utilise la base spéciale, pièce n° KGASB0201ALL, l'ensemble serpentin, pièce n° CD5 ou CK5, ou le carter de serpentin, pièce n° KCAKC.

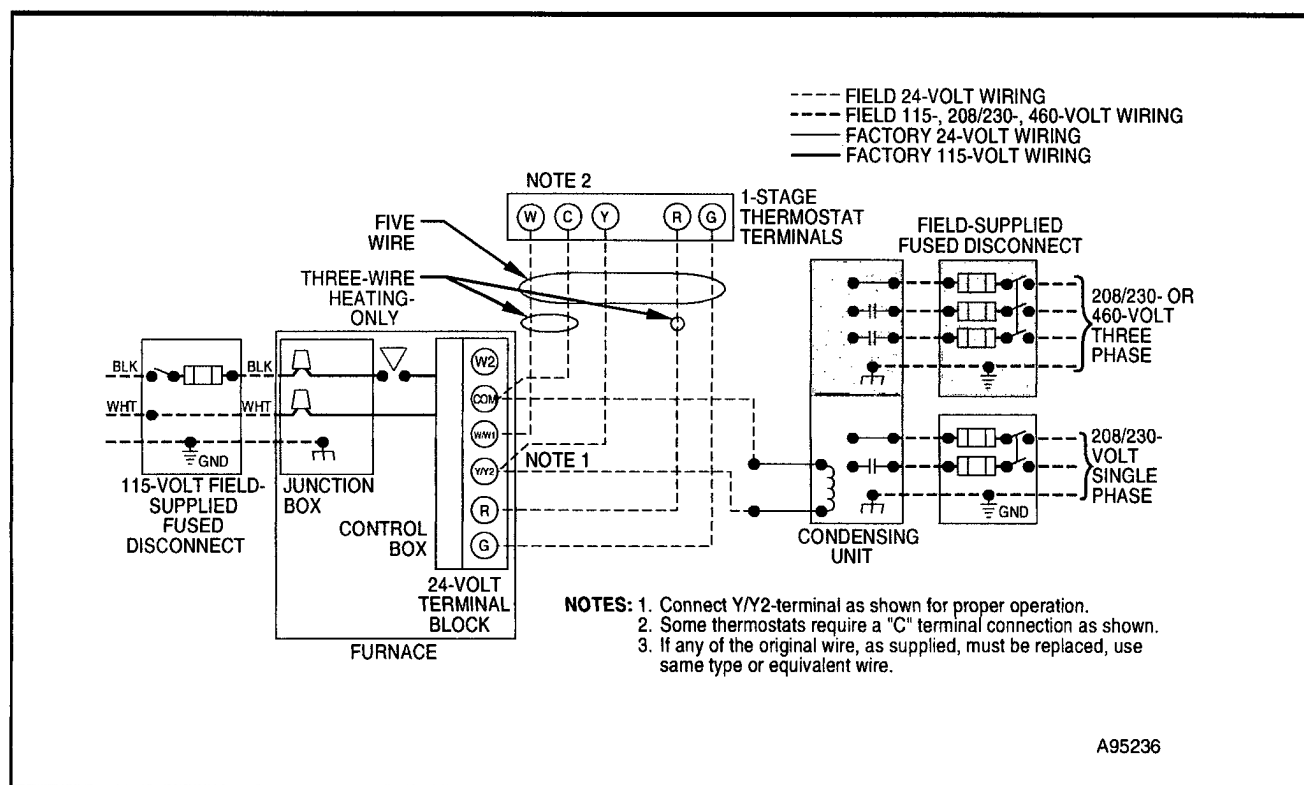
Ø Dans une alcôve, on doit maintenir un dégagement à l'avant de 18 po (450mm).

* La position indiquée concerne le côté d'entrée ou de retour quand la fournaise est dans la position horizontale.

Le contact n'est permis qu'entre les lignes formées par les intersections du dessus et des deux côtés de la chemise de la fournaise et les solives, montant sous cadre de charpente.

327590-101 REV. C

Typical wiring schematic



58CVA/CVX

Electrical data

UNIT SIZE	VOLTS-HERTZ-PHASE	OPERATING VOLTAGE RANGE		MAXIMUM UNIT AMPS	MAXIMUM WIRE LENGTH (FT)‡	MAXIMUM FUSE OR CKT BKR AMPS†	MINIMUM WIRE GAGE
		Maximum*	Minimum*				
070-12	115-60-1	127	104	9.0	30	15	14
(090-14)	(115-60-1)	(127)	(104)	(9.6)	(29)	(15)	(14)
110-20	115-60-1	127	104	15.1	29	20	12
135-22	115-60-1	127	104	14.9	30	20	12
155-20	115-60-1	127	104	15.0	29	20	12

* Permissible limits of the voltage range at which unit operates satisfactorily.

† Time-delay type is recommended.

‡ Length shown is as measured one way along wire path between unit and service panel for maximum 2 percent voltage drop.

58CVA/CSVX

INFINITY™ 80 VARIABLE SPEED

4-WAY MULTIPOISE FURNACE

Input Capacities: 70,000 thru 155,000 Btuh

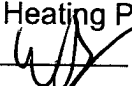


Turn to the Experts.

Product Data





Submitted by
The Heating Pro's
By 

A04042



ISO 9001:2000



MEETS DOE RESIDENTIAL CONSERVATION SERVICES PROGRAM STANDARDS.

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

THE INFINITY® 80 GAS FURNACE

The Infinity™ 80 Variable-Speed, 4-way Multipoise Gas Furnaces offer unmatched comfort with ComfortHeat™ technology and IdealHumidity™ in an 80% AFUE gas furnace. You get all the benefits of a ComfortHeat technology furnace: reduced drafts, reduced sound levels, longer cycles, less temperature swings between cycles, and less temperature differences between rooms. With the variable speed blower motor, homeowners can now economically run constant fan to help eliminate temperature differences throughout the house and to get better indoor air quality. This IdealHumidity furnace also increases comfort in the summer by wringing out extra humidity when needed. The Infinity 80 furnaces are approved for use with natural or propane gas, and the 58CVX is also approved for use in Low NOx Air Quality Management Districts.

Carrier Infinity™ System When the Infinity 80 variable-speed gas furnace is matched with the Infinity Control and an air conditioner or heat pump, you will experience the ultimate in ComfortHeat and Ideal Humidity through unparalleled control of temperature, humidity, indoor air quality, and zoning. The Carrier Infinity System also provides unprecedented ease of use through on-screen, text-based service reminders and equipment malfunction alerts.

For even greater comfort and convenience, match the Infinity 80 furnace with an Infinity air conditioner or heat pump. This will create a fully communicating system, requiring only 4 thermostat wires between system components, and troubleshooting can even be done in the future from the outdoor unit without entering the home.

Optional remote access through telephone or Internet is also available when combined with a remote connectivity kit.

STANDARD FEATURES

- Infinity™ System-match with the Infinity™ Control for Infinity™ System benefits
- ComfortHeat™ Technology
Intelligent microprocessor control
- Two-stage heating with single-stage thermostat with patented Adaptive Control Technology

Physical data

UNIT SIZE			070-12	090-16	110-20	135-22	155-22
OUTPUT CAPACITY BTUH* (Nonweatherized ICS) †	All 58CVA; 58CVX Upflow	High	54,000	71,000	89,000	107,000	125,000
		Low	35,000	47,000	59,000	70,000	82,000
	58CVX Downflow/Horizontal	High	51,000	68,000	85,000	102,000	119,000
		Low	35,000	47,000	59,000	70,000	82,000
INPUT BTUH*	All 58CVA; 58CVX Upflow	High	66,000	88,000	110,000	132,000	154,000
		Low	43,500	58,000	72,500	87,000	101,500
	58CVX Downflow/Horizontal	High	63,000	84,000	105,000	126,000	147,000
		Low	43,500	58,000	72,500	87,000	101,500
SHIPPING WEIGHT (lb)			127	151	162	177	183
CERTIFIED TEMP RISE RANGE (°F)			High	30-60	40-70	40-70	45-75
			Low	30-60	30-60	25-55	30-60
CERTIFIED EXT STATIC PRESSURE	Heating	High	0.12	0.15	0.20	0.20	0.20
	Cooling	Low	0.5	0.5	0.5	0.5	0.5
AIRFLOW CFM‡	Heating-High/Low		1180/735	1210/985	1475/1320	1915/1700	1970/1715
	Cooling		1225	1400	2095	2100	2095
AFUE%*	Nonweatherized ICS		80.0	80.0	80.0	80.0	80.0
LIMIT CONTROL			SPST				
HEATING BLOWER CONTROL			Solid-State Time Operation				
BURNERS (Monoport)			3	4	5	6	7
GAS CONNECTION SIZE			1/2-in. NPT				
GAS VALVE (Redundant) Manufacturer			White-Rodgers				
Minimum Inlet Pressure (In. wc)			4.5 (Natural Gas)				
Maximum Inlet Pressure (In. wc)			13.6 (Natural Gas)				
IGNITION DEVICE			Hot Surface				

* Gas input ratings are certified for elevations to 2000 ft. For elevations above 2000 ft, reduce ratings 4 percent for each 1000 ft above sea level. Refer to National Fuel Gas Code Table F4 or furnace Installation Instructions. In Canada, derate the unit 10 percent for elevations 2000 to 4500 ft above sea level.

† Capacity in accordance with U.S. Government DOE test procedures.

‡ Airflow shown is for bottom only return-air supply in comfort mode (as-shipped). For air delivery above 1800 CFM, see Air Delivery Table for other options.

A filter is required for each return-air supply.

ICS — Isolated Combustion System

Blower performance data

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ECM—Electronically Commutated Motor, Variable Speed

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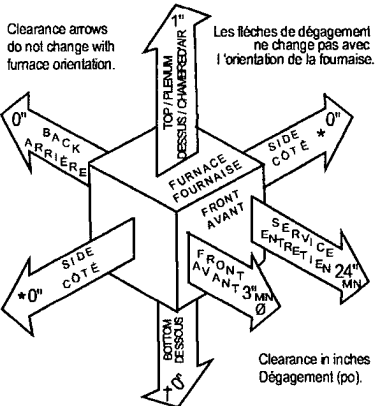
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Clearance arrows do not change with furnace orientation.

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Clearance in inches
Dégagement (po).

Vent Clearance to combustibles:

For Single Wall vents 6 inches (6 po).

For Type B-1 vent type 1 inch (1 po).

Dégagement de l'évent avec combustibles:

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Pour conduit d'évacuation de Type B-1 1 po (1 inch).

MINIMUM INCHES CLEARANCE TO COMBUSTIBLE CONSTRUCTION**DOWNFLOW POSITIONS:**

† Installation on non-combustible floors only.

For Installation on combustible flooring only when installed on special base, Part No. KGASB0201ALL, Coil Assembly, Part No. CD5 or CK5, or Coil Casing, Part No. KCAKC.

Ø 18 inches front clearance required for alcove.

★ Indicates supply or return sides when furnace is in the horizontal position. Line contact only permissible between lines formed by intersections of the Top and two Sides of the furnace jacket, and building joists, studs or framing.

**DÉGAGEMENT MINIMUM EN POUCES AVEC ÉLÉMENTS
DE CONSTRUCTION COMBUSTIBLES****POUR LA POSITION COURANT DESCENDANT:**

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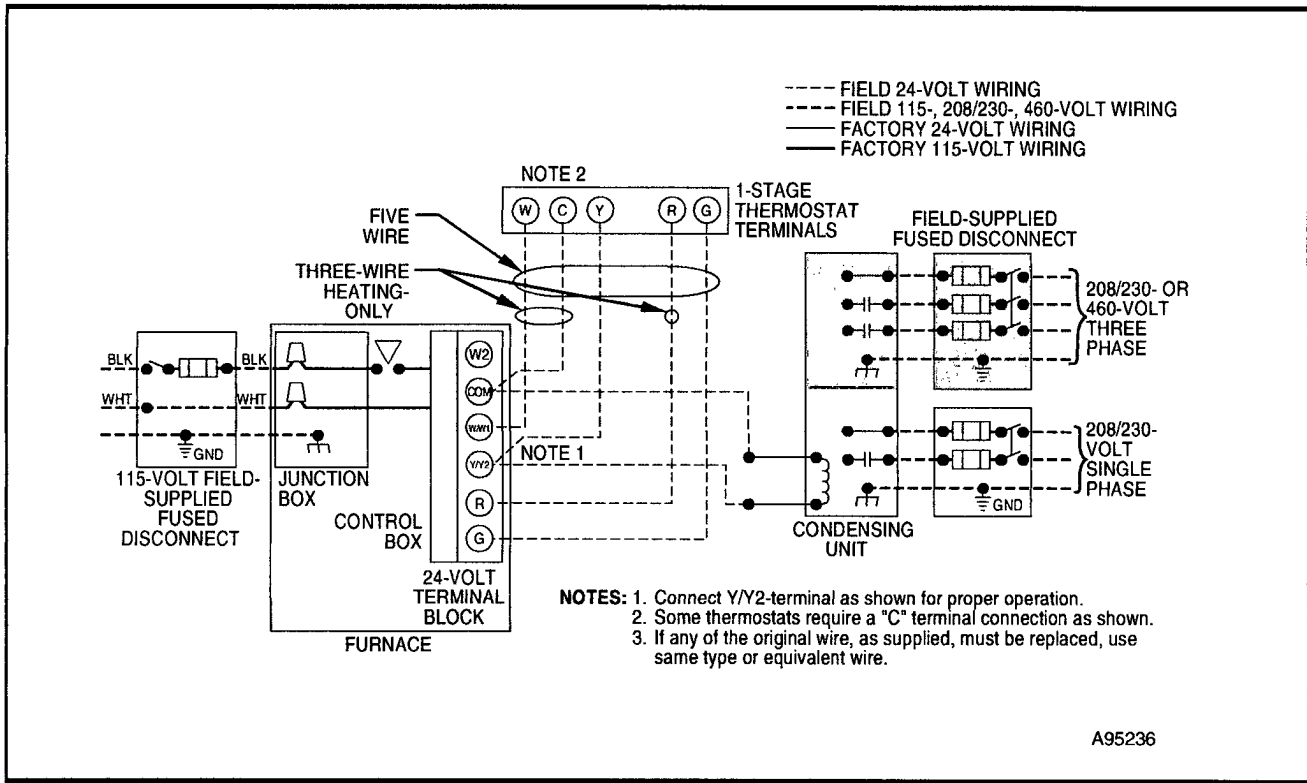
Ø Dans une alcôve, on doit maintenir un dégagement à l'avant de 18 po (450mm).

★ La position indiquée concerne le côté d'entrée ou de retour quand la fournaise est dans la position horizontale.

Le contact n'est permis qu'entre les lignes formées par les intersections du dessus et des deux côtés de la chéresse de la fournaise et les solives, montant sous cadre de charpente.

327590-101 REV. C

Typical wiring schematic



58CVA/CVX

Electrical data

UNIT SIZE	VOLTS-HERTZ-PHASE	OPERATING VOLTAGE RANGE		MAXIMUM UNIT AMPS	MAXIMUM WIRE LENGTH (FT)‡	MAXIMUM FUSE OR CKT BKR AMPS†	MINIMUM WIRE GAGE
		Maximum*	Minimum*				
070-12	115-60-1	127	104	9.0	30	15	14
(090-14)	(115-60-1)	(127)	(104)	(9.6)	(29)	(15)	(14)
110-20	115-60-1	127	104	15.1	29	20	12
135-22	115-60-1	127	104	14.9	30	20	12
155-20	115-60-1	127	104	15.0	29	20	12

* Permissible limits of the voltage range at which unit operates satisfactorily.

† Time-delay type is recommended.

‡ Length shown is as measured one way along wire path between unit and service panel for maximum 2 percent voltage drop.



CONSTRUCTION PERMIT

Date Issued
Control #
Permit #

IDENTIFICATION Block 1354.35 Lot 10
Work Site Location 178 CALVIN CT
BRICK NJ 08724
Owner in Fee BANNIGAN
Address 178 CALVIN CT
BRICK NJ 08724
Tel. [REDACTED]
Contractor THE HEATING PRO'S
Address 374 VATH STREET
JACKSON, NJ 08527
Tel. (732) 657-0675
Lic. No. or Bldrs. Reg. No. VH01088800 exp 12/31/2011
Fed. Emp. No. 82-05555526

Is h [REDACTED] m the following work:

☐ BUILDING ☒ PLUMBING ☐ LEAD HAZARD ABATEMENT
☒ ELECTRICAL ☒ FIRE PROTECTION ☐ DEMOLITION
☐ Mechanical ☐ ASBESTOS ABATEMENT ☒ OTHER CHIMNEY CERT
(Subchapter 8 only)

DESCRIPTION OF WORK:

REMOVE and REPLACE ONE FURNACE & A/C

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 \$ 12,000.00

Construction Official

Date

U.C.C. F170 Internet version
(rev 3/98)

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 _____



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