



CONSTRUCTION PERMIT APPLICATION

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

I. IDENTIFICATION

1. Proposed Work Site at: 80 BRICK PLAZA
2. Name of Owner in Fee: THE BDN TON Tel. (717) 751-3031
Address 80 BRICK PLAZA
street municipality zip code
3. Ownership in Fee: Public Private ☒
4. Principal Contractor: HOWE ENVIRONMENTAL Tel. (973) 386-9880
Address 15 MERRY LN. E. HANOVER, NJ 07936
License No. OR, if new home, Builder Reg. No. Exp. Date
Federal Employee No. 22-1464717 FAX: (973) 386-9888
5. Architect or Engineer _____ Tel. (_____)
Address _____
6. Responsible Person in Charge of Work HOWE ENV. CO.
Tel. (_____) FAX (_____)

V. FEE SUMMARY (for office use only)

		Update	Update
1. Building			
2. Electrical	<u>Penalty DUG \$35</u>		
3. Plumbing			
4. Fire Protection	<u>Penalty \$138</u>		
5. Elevator Devices			
6. Subtotal	\$		
7. Less 20% for State Plan Review	<u>Penalty \$250</u>		
8. Subtotal	\$		
9. DCA Training Fee	<u>3</u>		
10. Subtotal			
11. Cert. of Occupancy			
12. Other			
13. TOTAL	\$ <u>420</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. Construction Classification _____
7. Total Land Area Disturbed _____ sq. ft.
8. Flood Hazard Zone _____
9. Base Flood Elevation _____ ft.
10. Wetlands yes _____
no _____
11. Max. Live Load _____
12. Max. Occupancy Load _____

(office use only)

II. PROPOSED WORK

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

Est. Cost

OPTIONAL (for office use only)

Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Rejection	Re-viewer
<u>MP</u>	<u>2/8/02</u>						

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL

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

No. of dwelling units:

Before Construction _____

After Construction _____

Net Gain or Loss _____

B. NON-RESIDENTIAL

1. State Specific Use:

2. Use Group:

3. Change in Use Group, Indicate Former:

III. DO YOU WANT: (optional)

1. ☐ Partial Releases
2. ☐ Prototype Processing

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

1. ☐ Elevators/Escalators/Lifts/
Dumbwaiters/Moving Walks
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



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 10/15/2008
Control Number _____
Permit Number 02-0300
Permit Issue Date 2/11/2002
Certificate Number 02-0300

Certificate

Construction Code Division
(Certificate of Approval)

Identification

Work Site Location: 80 BRICK PLAZA BON TON, NJ Block: 671 Lot: 8 Qual: _____
Owner in Fee: THE BON TON
Owner Address: 80 BRICK PLAZA BRICK NJ 08723-
Telephone: / -
Contractor _____
Address _____
Telephone: _____ Fax: _____
License Number or Builders Registration Number: _____ Federal Emp. Number: _____

Home Warranty Number: _____

Type of Warranty Plan: ☐ State ☐ Private

Use Group: U

Construction Classification: _____

Maximum Live Load: 0

Maximum Occupancy Load: 0

Description of Work/Use: _____

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: _____

CERTIFICATION IN LIEU OF OATH

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

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

Mark the following applicable boxes:

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

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

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

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

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

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

I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

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

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

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

Signature _____ Date _____

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

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

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

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

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

☒ Check if contractor.

Agent Name HOWE ENVIRONMENTAL CO. INC.

Address 15 MERRY LANE
E. HANOVER, NJ 07936

Telephone (973) 386-9880

Signature [Signature]

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

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
FIRE PROTECTION
SUBCODE
TECHNICAL SECTION

Date Received 02/08/2002
Date Issued / /
Control # C8-674
Permit # 02-0300

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

Block 671 Lot 8 Qual
Work Site Location 80 BRICK PLAZA
BON TON

Owner in Fee THE BON TON
Address 80 BRICK PLAZA
BRICK, NJ 08723-

Tele. (973) 386-9880 Fax ()
Contractor HOWE ENVIRONMENTAL CO INC
Address 15 MERRY LANE
E HANOVER, NJ 07936-

Tele. (973) 386-9880
Lic. No. or Bldgs. Reg. No.
Federal Emp. No. 22-1464711

B. FIRE PROTECTION CHARACTERISTICS

Use Group Present B Proposed B
Constr Class Present Proposed
Heating Systems [] New [] Existing [] HVAC
Type: [] Gas [] Oil [] Elect [] Solar
[] Other
Location:
Total Est Cost of Fire Prot Work \$ 4,000

Fire Alarm System
New [] Existing []
Location of Panel:
Fire Suppression/Standpipe Sys
New [] Existing []
Location of Main Control Valve

JOB SUMMARY (Office Use Only)
PLAN REVIEW

☒ No Plans Required
Joint Plan Review Required:

[] Bldg [] Elect
[] Plumb [] Elevator
[] Fire Plans Approved
Date: 2-11-02
Approved By: *[Signature]*
SUBCODE APPROVAL
[] CO [] CCO *47CA*
Date: 3-26-02 *[Signature]*
Approved By: *LEC13*

INSPECTIONS
Type Alarm Sys
Failure Failure Approval Initial
Dates (Month/Day)
3-25-02 *08*

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.

D. TECHNICAL SITE DATA

Description of Work:
Water Supply Source
Method of Alarm/Suppr Sys Superv

Storage Tanks
Type: [] Flammable Liquid [] Combust Liquid
[] LPG [] LNG Capacity 0 Fuel
Alarm Systems [] 110v Interconnected NUMBER
[] System

Alarm Devices (Smoke, heat, pulls, water/flow) 0
Supervisory Devices (tamper, low/high air) 0
Signalling Devices (horn/strobes, bells) 0
Other Devices 0
TOTAL 0

Suppression Systems
Fire Pump 0 GPM Type
Dry Pipe/Alarm Valves 0
Pre-action Valves 0
Sprinkler Heads (Dry and Wet) 0
Standpipes 0
Pre-Engineered Systems 0
Wet Chemical 0
Dry Chemical 0
CO2 Suppression 0
Foam Suppression 0
Halon Suppression 0
Other 0

Kitchen Hood Exhaust System 0
Smoke Control System 0
Gas [] or Oil [] Fired Appliances 0
Other 3 FURNACES 138
Other 0

Administrative Surcharge \$ 0
Minimum Fee \$ 0
TOTAL FEE \$ 138
DCA Training Fee \$ 3

*File
Issues*

*Need
Spec's
call
USAR*

WNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
ELECTRICAL
SUBCODE
TECHNICAL SECTION

Date Received 02/08/2002
Date Issued 2/11/03
Control # C8-674
Permit # 02-0300

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

B. TECHNICAL SITE DATA

FEE (Office Use Only)

Block 671 Lot 8 Qual
Work Site Location 80 BRICK PLAZA

BON TON

Owner in Fee THE BON TON

Address 80 BRICK PLAZA

BRICK, NJ 08723-

Tele. (973) 386-9880 Fax ()

Contractor HOWE ENVIRONMENTAL CO INC

Address 15 MERRY LANE

E HANOVER, NJ 07936-

Tele. (973) 386-9880

Lic. No. or Bldrs. Reg. No.

Federal Emp. No. 22-1464711

B. ELECTRICAL CHARACTERISTICS

Use Group - Present B Proposed B

[] Pole/Pad [] Temporary [] Other

Building Occupied as Utility Co.

Estimated Cost of Electrical Work \$ 200

JOB SUMMARY (Office Use Only)

PLAN REVIEW

[X] No Plans Required

Joint Plan Review Required:

[] Bidg [] Plumb

[] Fire [] Elevator

[] Elect Plans Approved

Date: 3/1/02

Approved By: [Signature]

SUBCODE APPROVAL

[] CO [] CCO [] CA

Date: 2-18-02

Approved By: [Signature]

C. CERTIFICATION IN LIEU OF OATH

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

Applicant's Signature/Contractor's Seal and Signature

[] Licensed Electrical Contractor [] Exempt Applicant

NO.	SIZE	ITEM	FEE (Office Use Only)
0		Lighting Fixtures	
0		Receptacles	
0		Switches	
0		Detectors	
0		Light Poles	
0		Motors-Fract HP	
0		Emergency & Exit Lights	
0		Communications Points	
0		Alarm Devices/F.A.C. Panel	
0		TOTAL NUMBERS	
0		Pool Permit/with UV Lights	
0		Storable Pool/Spa/Hot Tub	
0		KW Elect Range/Receptacle	
0		KW Oven/Surface Unit	
0		KW Elect Water Heater	
0		KW Elect Dryer/Receptacle	
0		KW Dishwasher	
0		HP Garbage Disposal	
0		KW Central A/C Unit	
0		HP/KW Space Heater/Air Handler	
0		Baseboard Heat	
0		HP Motors 1/+ HP	
0		KW Transformer/Generator	
0		AMP Service	
0		AMP Subpanels	
0		AMP Motor Control Center	
0		KW Elect Sign/Outline Light	
0		Other 3 FURNACES	35
0		Other	0

Paid [] Check #
Collected by: Administrative Surcharge \$ 0
Minimum Fee \$ 0
TOTAL FEE \$ 35
DCA Training Fee \$ 0

CSE
DIVISION OF INSPECTIONS
401 CHAMBERS BRIDGE ROAD
BRICK, NJ 08723

Date Issued 02/11/02
Control # C8-674
Permit #

UCC NEW JERSEY
NOTICE AND ORDER OF PENALTY

Work Site Location 80 BRICK PLAZA

IDENTIFICATION

Block 671 Lot 8

FURNACES

Owner in Fee THE BON TON

Agent/Contractor HOME ENVIRONMENTAL

Address 80 BRICK PLAZA

Address 15 MERRY LANE

BRICK, NJ 08723

EAST HANOVER, NJ 07936

ACTION

Date of Notice 02/11/02

Compliance Due Date 02/20/02

Date of Inspection 02/08/02

TAKE NOTICE that you have been found to be in violation of the State Uniform Construction Code Act and Regulations promulgated thereunder in that:
NJAC 5:23-2.14: FAILURE TO OBTAIN PERMIT
INSTALLED THREE FURNACES WITHOUT A PERMIT

You are hereby ordered to terminate the said violations on or before 02/20/02. No Certificate of Occupancy or Approval will be issued unless the said violations are corrected.

[] Failure to comply with this Order will subject you to a penalty of \$ 0 per week.

[X] You are hereby ordered to pay a penalty in the amount of \$ 250 for each violation for a total penalty of \$ 250. Each week that any of the said violations remain outstanding after 02/20/02 shall result in an additional penalty of \$ 250 per week.

If you wish to contest the validity of the above action, you may request a hearing before the Construction Board of Appeals of the BOARD OF APPEAL/OCEAN COUNTY within 15 days of receipt of these Orders. The Application to the Construction Board of Appeals may be used for this purpose.

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

The fee for an appeal is \$100 to be forwarded with your application to the Construction Board of Appeals office at 2 MOTTS PLACE, TOMS RIVER, NJ 08753.

If you have any questions concerning this matter, please call: DANIEL F. LEAMAN, JR. CONSTRUCTION OFFICIAL 732-262-1030.
NOTICE OF VIOLATION AND ORDER TO TERMINATE: *[Signature]*
NOTICE AND ORDER OF PENALTY: *[Signature]*

SCO DATE: 2-11-02
CO DATE: 2-11-02

3/25/82 gas to vents not on
OK

↑ (F) tech

DIVISION OF INSPECTIONS
401 CHAMBERS STREET 8TH
TOWNSHIP OF BRIDGE

TECHNICAL SECTION
SUBCODE
LIKE PROTECTION
CCC NEW JERSEY

Permit #
Control # 08-0-7
Date Issued
Date Received 05/08/3005

DIVISION OF INSPECTIONS
461 CHANDLER STREET ROOM
SPRING, NJ 07081

DATE ISSUED 02/11/02
CONTROL # 48-674
PERMIT #

NOTICE AND ORDER OF PENALTY

DEPT NEW JERSEY

IDENTIFICATION

Job Site Location: 20 BILLY PLAZA
PERMITS
Project No: DE 001 100
Address: 20 BILLY PLAZA
SPRING, NJ 07081
Agent/Contractor: HOME ENVIRONMENTAL
Address: 15 HERRI LANE
LAST HANOVER, NJ 07036
Site: A-1 Lot: B

Date of Notice: 02/11/02
Compliance Due Date: 02/20/02
Date of Inspection: 02/08/02

ACTION

THE NOTICE THAT YOU HAVE BEEN FOUND TO BE IN VIOLATION OF THE STATE UNIFORM CONSTRUCTION CODE ACT AND REGULATIONS promulgated thereunder is that
N.J.A.C. 17:27.24 FAILURE TO OBTAIN PERMIT
INSTALLER TREE FURNACES WITHOUT A PERMIT

You are hereby ordered to terminate the said violation or before 02/20/02. No Certificate of Occupancy or Approval will be issued unless the said violations are corrected.

(1) Failure to comply with this Order will subject you to a penalty of \$ 4 per week.

(2) You are hereby ordered to pay a penalty in the amount of \$ 250 for each violation for a total penalty of \$ 250. Each week that any of the said violations remain outstanding after 02/20/02 shall result in an additional penalty of \$ 250 per week.

If you wish to contest the validity of the above action, you may request a hearing before the Construction Board of Appeals of the BOARD OF COUNTY CLERK COUNTY within 10 days of receipt of these Orders. The application to the Construction Board of Appeals may be used for this purpose.

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

The fee for an appeal is \$100 to be forwarded with your application to the Construction Board of Appeals office at 2 WORKS PLACE, TOWNSHIP, NJ 07083.

If you have any questions concerning this notice, please contact: DANIEL F. BROWN, JR. CONSTRUCTION OFFICIAL, 322-100-1000.
NOTICE OF VIOLATION AND ORDER TO TERMINATE: 02/11/02
NOTICE AND ORDER OF PENALTY: 02/11/02
Daniel F. Brown, Jr.

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

BOC NEW JERSEY
CONSTRUCTION
PERMITE

Date Issued 02/11/2002
Control #
Permit # 02-0300

IDENTIFICATION Block 471 Lot 9
Work Site Location 80 BRICK PLAZA
Owner in Fee THE BOB TON
Address 80 BRICK PLAZA
BRICK, NJ 08723
Telephone

Contractor HOME ENVIRONMENTAL CO INC
Address 15 HENRY LANE
FARGO, ND 58103
Telephone 701/336-9980
Lic. No. of Bldg. Reg. No.
Federal Emp. No. 22-146111

Is hereby granted permission to perform the following work:
☐ BUILDING ☐ REMODELING ☐ LEAD BASED ABATEMENT
☐ ELECTRICAL ☐ FIRE PROTECTION ☐ DEMOLITION
☐ ELEVATOR DEVICES ☐ ASBESTOS ABATEMENT ☐ OTHER
(Subchapter 8 only)
DESCRIPTION OF WORK:
FURNISHES

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 \$ 4,200

Construction Official *[Signature]* 02/11/2002

O.C.C. F130 (rev. 3/96)

Date

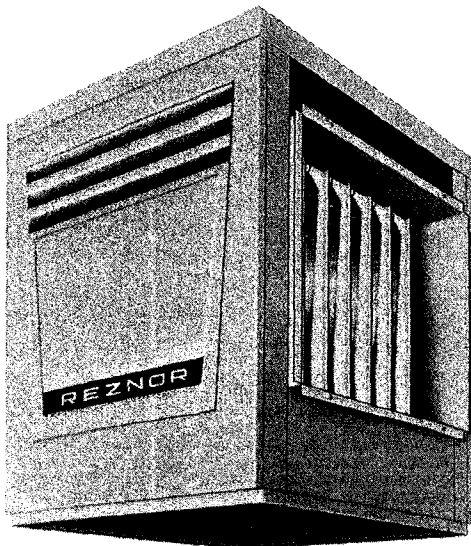
PAYMENTS (Office Use Only)
Building _____
Electrical _____
Plumbing _____
Fire Protection _____
Elevator Devices _____
Other _____
DCI Training Fee _____
Cert. of Occupancy _____
Other Fee(s) _____
Total \$ 4,200.00
Check No. _____
Cash _____
Collected By _____

02/11/02 12:12PM G0000009471
X006 SERV.006
NO203000
ELECTRIC \$35.00
FIRE \$138.00
DCI \$3.00
PENALTY \$250.00
CHECK \$426.00



MODEL X

INDOOR, GAS FIRED GRAVITY VENTED DUCT FURNACES



DESCRIPTION

Reznor X Series Duct Furnaces are designed for indoor application with gravity venting. They are certified for use with natural or propane gas, as specified, in sizes from 75,000 through 400,000 BTUH input. These models are used as heating components in heating, heating/cooling, or makeup air systems and require a separate blower system for air delivery. The furnace has a Reznor Thermocore aluminized steel heat exchanger with venturi-design tubes. The die-formed burners are of aluminized steel and include flared ports with a stainless steel insert.

The X model is approved for a temperature rise range of 50°F to 90°F and includes "finger-baffles" for proper air distribution at these lower air volumes. The HX model does not include finger baffles and is approved for a temperature rise range of 20°F to 75°F.

Standard features include a manual match-lit pilot and a single-stage, 24-volt gas valve. Model X/HX units are wired for field connection to a remote 24-volt thermostat for automatic operation. Each unit is provided with all required limit and safety controls, including an energy cut-off (ECO) and a blocked vent shut-off system.

Models X and HX are design-certified by the American Gas Association (A.G.A.) and approved by the Canadian Gas Association (C.G.A.) and bear either the A.G.A. or C.G.A. label.

STANDARD FEATURES

- Orifices for natural gas
- Aluminized steel heat exchanger
- Aluminized steel burners with stainless steel insert
- 120-volt supply voltage
- 24-volt control voltage transformer
- High limit safety cutout
- Single-stage combination gas valve (see Note 1)
- Side access for burners and controls (left side facing airstream)
- Horizontal or vertical flue discharge
- Zinc grip steel cabinet with baked enamel finish
- Manual match-lit pilot (see page 23)
- Energy cut-off (ECO) device
- Blocked vent shut-off system

OPTIONAL FEATURES—FACTORY INSTALLED

- Unit equipped for propane gas
- E-3 (409) stainless steel heat exchanger (see Note 2)
- 321 stainless steel heat exchanger (see Note 2)
- E-3 (409) stainless steel burners (see Note 2)
- E-3 (409) stainless steel drip pan (see Note 2)
- Spark-ignited intermittent safety pilot with electronic flame supervision (see page 23)
- Spark-ignited intermittent safety pilot with electronic flame supervision and timed lockout (see page 23)
- Two-stage controls (see page 23)
- Electronic modulated gas controls (see page 23; not available for use with propane gas)
- Mechanical modulation (see page 23)
- Burner air shutters (required on units equipped with propane gas)
- Fan control (see page 23)
- Terminal blocks for connecting field wiring
- 208/230/460-volt alternate supply voltage
- Right side controls (facing airstream)

OPTIONAL FEATURES—FIELD INSTALLED

- Single-stage thermostat
- Two-stage thermostat
- Electronic room override (makeup air applications only)
- Thermostat guard with locking cover
- Manual shut-off valve and union
- Power venter and venter adapters
- Condensate drain flange kit
- Vent cap
- Disconnect switch (UL Listed)

Notes:

1. Regulated combination/redundant gas valve consists of combination pilot solenoid valve, electric gas valve, pilot filter, pressure regulator, pilot shut-off, and manual shut-off, all in one body. Gas supply pressure must not exceed 0.5 PSI (8 oz.-14" W.C.). Minimum inlet pressure for natural gas is 5" W.C. Minimum inlet pressure for propane gas is 11" W.C.
2. For air inlet temperatures below 40°F or temperature rise less than 40°F, see page 26 for instructions.
3. See page 24 for temperature rise and pressure drop tables.
4. Blower must be placed on entering air side of furnace.
5. Approved for installation downstream of an air conditioning coil (optional drain flange, spark pilot, stainless steel heat exchanger, and stainless steel burners are recommended).

FOR COMMERCIAL - INDUSTRIAL USE



TECHNICAL DATA

★ MODEL NUMBER	75	100	125	150	175	200	225	250	300	350	400
BTUH Input	75,000	100,000	125,000	150,000	175,000	200,000	225,000	250,000	300,000	350,000	400,000
★★ Thermal Output Capacity	60,000	77,000	96,250	115,500	134,750	154,000	173,250	192,500	231,000	269,500	308,000
Full Load Amps (120V)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Control Amps (24V)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
CFM Range (X)	615-1110	790-1425	990-1780	1185-2135	1385-2495	1580-2850	1780-3205	1980-3560	2375-4275	2770-4990	3165-5700
★★★ CFM Range (HX)	740-2775	950-3560	1185-4455	1425-5345	1660-6235	1900-7125	2135-8020	2375-8910	2850-10690	3325-12475	3800-14255
Approx. Net Weight (Lbs.)	150	150	163	182	186	224	231	276	286	320	355
Approx. Ship. Weight (Lbs.)	170	170	200	220	230	275	290	350	360	390	420
★★★★ Gas Connection (Natural)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"
Flue Size	5" Rd.	6" Rd.	7" Ov.	8" Ov.	8" Ov.	8" Rd.	8" Rd.	10" Ov.	10" Ov.	12" Ov.	12" Ov.

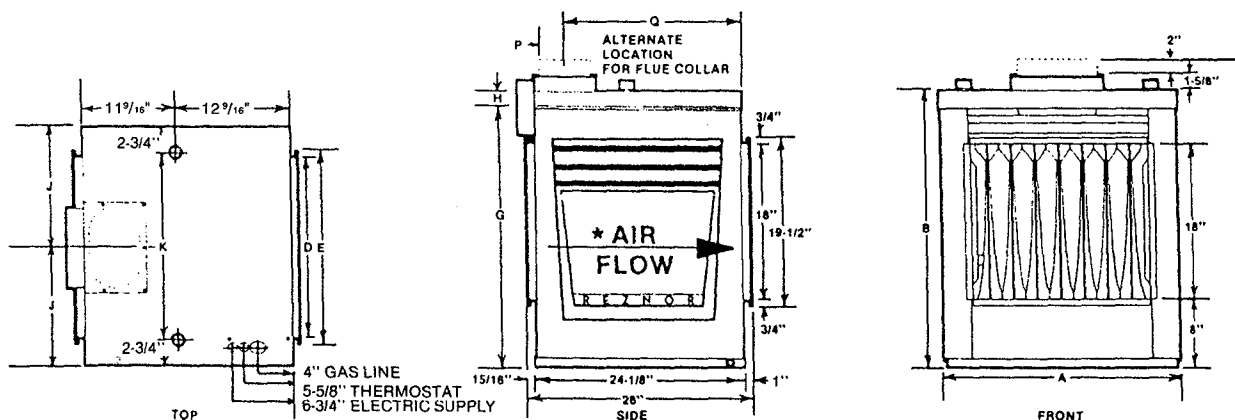
★ Model No. for units with C.G.A. approval have a suffix "C" (Example: 100C).

★★ A.G.A. ratings for altitudes to 2000 feet. Above 2000 feet de-rate by orifice change, 4% for each 1000 feet above sea level.

★★★ C.G.A. ratings for altitudes to 2000 feet. High altitude units (2000 to 4500 ft.) de-rated by 10% of maximum input.

★★★★ Prefix "H" indicates high CFM units without directional finger baffles.

★★★★★ Gas connections for propane are 1/2" for all sizes. Sizes shown are for gas connections, **NOT** line size, and are applicable to single stage gas valves.



X

DIMENSIONS (Accurate within plus or minus 1/8")

MODEL	A	B	D	E	G	H	J	K	P	Q
75	19 1/4	32 1/4	12 1/2	14	30 1/4	2	9 1/8	13 3/4	3 1/2	20 3/4
100	19 1/4	32 1/4	12 1/2	14	30 1/4	2	9 1/8	13 3/4	3 1/2	20 3/4
125	22	32 1/4	15 1/4	16 3/4	30 1/4	2	11	16 1/2	3 1/2	20 3/4
150	27 1/2	32 1/4	20 3/4	22 1/4	30 1/4	2	13 3/4	22	3 1/2	20 3/4
175	27 1/2	32 1/4	20 3/4	22 1/4	30 1/4	2	13 3/4	22	3 1/2	20 3/4
200	33	35 1/4	26 1/4	27 3/4	31 3/4	3 1/2	16 1/2	27 1/2	5	19 1/4
225	33	35 1/4	26 1/4	27 3/4	31 3/4	3 1/2	16 1/2	27 1/2	5	19 1/4
250	41 1/4	35 1/4	34 1/2	36	31 3/4	3 1/2	20 1/8	35 3/4	5	19 1/4
300	41 1/4	35 1/4	34 1/2	36	31 3/4	3 1/2	20 1/8	35 3/4	5	19 1/4
350	46 3/4	35 1/4	40	41 1/2	31 3/4	3 1/2	23 3/8	41 1/4	5	19 1/4
400	52 1/4	35 1/4	45 1/2	47	31 3/4	3 1/2	26 1/8	46 3/4	5	19 1/4

CLEARANCE FROM COMBUSTIBLES:

1. Top, flue connections, side opposite controls-6".
2. Bottom-3".
3. Control side-unit width plus 6".

NOTES:

1. Burner and control access shown left hand side. Specify right hand side for opposite access and connections (Option AJ2).
2. Standard air flow as shown. Direction of air flow may be reversed by field relocation of air flow baffles.
3. For power venting arrangements, see page 19.