BLOCK 701-29 LOT 1 QUALIFICATION CODE C16-10 ADDRESS (SITE) 270 Chambers Bridge PERMIT NO. 02-2702

CONSTRUCTION PERMIT APPLICATION

Application Completes: Sections I, II, III (optional), IV, VI, and VII SUGAR BEAR DAY CARE

Called 7/17

I. IDENTIFICATION

1. Proposed Work Site at: 270 CHAMBERS BRIDGE RD
2. Name of Owner in Fee: TWSP OF BRICK ⇒ Tel. (732) 920-3025
   Address 270 CHAMBERS BRIDGE RD BRICK
   street municipality zip code
3. Ownership in Fee: Public ✓ Private
4. Principal Contractor: RBS ENTERPRISES Tel. (732) 928-9033
   Address 10 BEATRICE LANE JACKSON N.J.
   License No. OR, if new home, Builder Reg. No. Exp. Date
   Federal Employee No [redacted] FAX: ( )
5. Architect or Engineer [redacted] Tel. ( )
   Address
6. Responsible Person in Charge of Work RON SCHMIDT
   Tel. (732) 928-9033 FAX ( )

AC existing electric

V. FEE SUMMARY (for office use only)

		Update	Update
1. Building	$		
2. Electrical		35	
3. Plumbing			
4. Fire Protection			
5. Elevator Devices			
6. Subtotal	$		
7. Less 20% for State Plan Review			
8. Subtotal	$		
9. DCA Training Fee			
10. Subtotal			
11. Cert. of Occupancy			
12. Other			
13. TOTAL	$	35	

VI. BUILDING/SITE CHARACTERISTICS

	(office use only)
1. Number of Stories	
2. Height of Structure ft.	
3. Area — Largest Floor sq. ft.	
4. New Building Area sq. ft.	
5. Volume of New Structure cu. ft.	
6. Construction Classification	
7. Total Land Area Disturbed sq. ft.	
8. Flood Hazard Zone	
9. Base Flood Elevation ft.	
10. Wetlands yes	
no	
11. Max. Live Load	
12. Max. Occupancy Load	

II. PROPOSED WORK

	Est. Cost
1. ☐ Minor Work	
2. ☐ New Building	
3. ☐ Addition	
4. ☐ Alteration	
5. ☐ Fire Protection	
6. ☑ Plumbing	75
7. ☐ Electrical	
8. ☐ Elevator Devices	
9. ☐ Asbestos Abat. Subch. 8	
10. ☐ Lead Hazard Abatement	
11. ☐ Demolition	
TOTAL COSTS	75

OPTIONAL (for office use only)

	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Resubmission Dates Rejection	Re-viewer
6. ☑ Plumbing	NAT	7/16/02		7/16/02	ND			

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

VII. DESCRIPTION OF BUILDING USE

COMMERCIAL

A. RESIDENTIAL

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

No. of dwelling units:
Before Construction
After Construction
Net Gain or Loss

B. NON-RESIDENTIAL

1. State Specific Use:
2. Use Group:
3. Change in Use Group, Indicate Former:

LDS BR 10200319

U.C.C. F100-1 (rev. 3/96)

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.

(X) Check if contractor.

Agent Name RON SCHMIDT / BRS ENTERPRISES

Address 10 BEATRICE CT.

JACKSON N.J. 08527

Telephone (732) 928-9033

Signature _____

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

OFFICE DATE RECEIVED: _____

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

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

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

X. CERTIFICATES ISSUED (office use only)

		DATE ISSUED	DATE EXPIRED	DATE REISSUED	DATE EXPIRED
☐ Temporary Certificate of Occupancy	No. _____	_____	_____	_____	_____
☐ Temporary Certificate of Compliance	No. _____	_____	_____	_____	_____
☐ Continued Certificate of Occupancy	No. _____	_____	_____	_____	_____
☐ Certificate of Compliance	No. _____	_____	_____	_____	_____
☐ Certificate of Occupancy	No. _____	_____	_____		
☐ Certificate of Approval	No. _____	_____	_____		
☐ Lead Abatement Clearance Certificate	No. _____	_____	_____	_____	_____

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

Date Issued 07/19/2002
Control #
Permit # 02-2702

UCC NEW JERSEY
CONSTRUCTION PERMIT

IDENTIFICATION Block 701.29 Lot 1 Qual

Work Site Location 270 CHAMBERS BRIDGE RD
A/C
Owner in Fee TOWNSHIP OF BRICK
Address 401 CHAMBERS BRIDGE RD
BRICK, NJ 08723-
Telephone (732)920-3025

Contractor BRS ENTERPRISES
Address 10 BEATRICE LN
JACKSON, NJ 08527-
Telephone (732)928-9033
Lic. No. or Bldrs. Reg. No.
Federal Emp. No. [redacted]

Is hereby granted permission to perform the following work:

[ ] BUILDING [X] PLUMBING [ ] LEAD HAZARD ABATEMENT
[ ] ELECTRICAL [ ] FIRE PROTECTION [ ] DEMOLITION
[ ] ELEVATOR DEVICES [ ] ASBESTOS ABATEMENT [ ] OTHER
(Subchapter 8 only)

DESCRIPTION OF WORK:
ROOFTOP A/C REPLACEMENT REUSED EXISTING ELECTRICAL WORK FOR SUGAR BEAR DAYCARE CENTER

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 $ 75

Construction Official

07/19/2002
Date

U.C.C. P170 (rev. 3/96)

PAYMENTS (Office Use Only)

Building	0
Electrical	0
Plumbing	35
Fire Protection	0
Elevator Devices	0
Other	
DCA Training Fee	0
Cert. of Occupancy	0
Other	
Total	35
Check No.	5352
Cash	
Collected By	JB

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
PLUMBING
SUBCODE
TECHNICAL SECTION

Date Received 07/10/2002
Date Issued 7/19/02
Control # C16-70
Permit # 02-2702

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

Block 701.29 Lot 1 Qual

Work Site Location 270 CHAMBERS BRIDGE RD

A/C

Owner in Fee TOWNSHIP OF BRICK

Address 401 CHAMBERS BRIDGE RD

BRICK, NJ 08723-

Tele.(732)928-9033 Fax (__)

Contractor BRS ENTERPRISES

Address 10 BEATRICE LN

JACKSON, NJ 08527-

Tele.(732)928-9033

Lic. No. or Bldrs. Reg. No.

Federal Emp. No. [redacted]

COMMERCIAL

B. PLUMBING CHARACTERISTICS

Use Group Present U Proposed U

Building Sewer Size [ ] Public Sewer [ ] Private Septic

Water Sewer Size [ ] Public Water [ ] Private Well

Estimated Cost of Plumbing Work $ 75

JOB SUMMARY (Office Use Only)

PLAN REVIEW
[ ] No Plans Required
Joint Plan Review Required:
[ ] Bldg [ ] Elect
[ ] Fire [ ] Elevator
[ ] Plumb. Plans Approved
Date: 7/16/02
Approved By: JN

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA
Approved By:
Date:

INSPECTIONS Type	Dates (Month/Day) Failure	Failure	Approval	Initial
Slab				
Rough				
Water				
Sewer				
Fixtures				
Gas Equip.				
Gas Piping				
Solar				
TCO				

C. CERTIFICATION IN LIEU OF OATH

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

Signature/Contractor Seal

[ ] Licensed Plumbing Contractor [ ] Exempt Applicant

D. TECHNICAL SITE DATA (List all fixtures.)

NO.	FIXTURE/EQUIPMENT	FEE (Office Use Only)
0	Water Closet	0
0	Urinal / Bidet	0
0	Bath Tub	0
0	Lavatory	0
0	Shower	0
0	Floor Drain	0
0	Sink	0
0	Dishwasher	0
0	Drinking Fountain	0
0	Washing Machine	0
0	Hose Bib	0
0	Water Heater	0
0	Fuel Oil Piping	0
0	Gas Piping	0
0	Steam Boiler	0
0	Hot Water Boiler	0
0	Sewer Pump	0
0	Interceptor / Separator	0
0	Backflow Preventer	0
0	Greasetrap	0
0	Sewer Connection	0
0	Water Service Connection	0
0	Stacks	0
	Other A/C	35
	Other	0

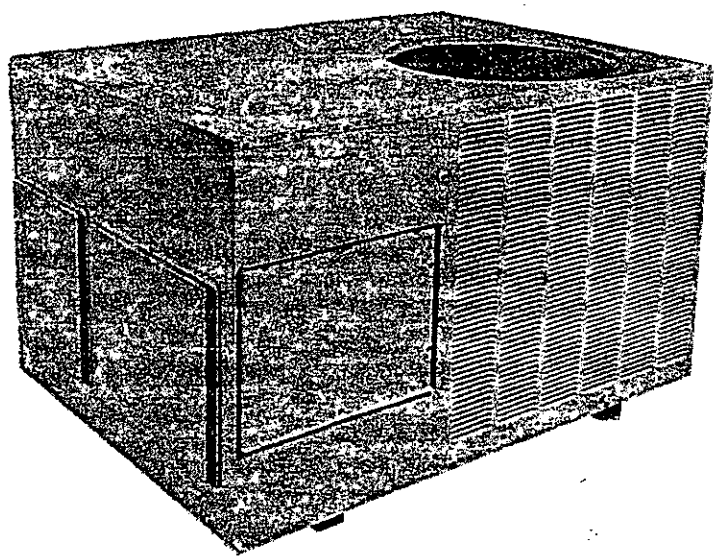
	Administrative Surcharge	$ 0
Paid [ ] Check #	Minimum Fee	$ 0
Collected by:	TOTAL FEE	$ 35
	DCA Training Fee	$ 0

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

INSTALLATION & OPERATING INSTRUCTIONS

HAVE YOU DISCUSSED WITH YOUR INSTALLING CONTRACTOR THE OPTIONAL $400.00 2ND THROUGH 5TH YEAR COMPRESSOR LABOR ALLOWANCE PROGRAM?

For The United States and Canada only



COMBINATION HEATING AND COOLING OUTDOOR UNITS PGB SERIES

FOR YOUR SAFETY
WHAT TO DO
IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

DO NOT DESTROY

PLEASE READ CAREFULLY AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.

FOR YOUR SAFETY

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

Goodman Manufacturing Company, L.P.
1501 Seamist · Houston, Texas 77008

IO-148C

1/00

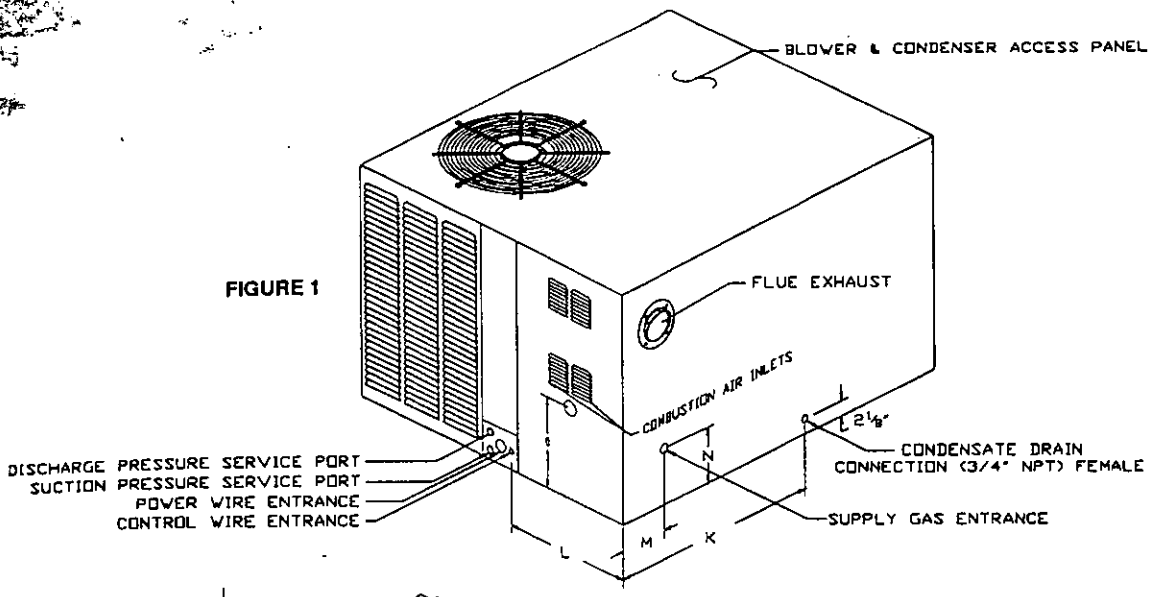


FIGURE 1

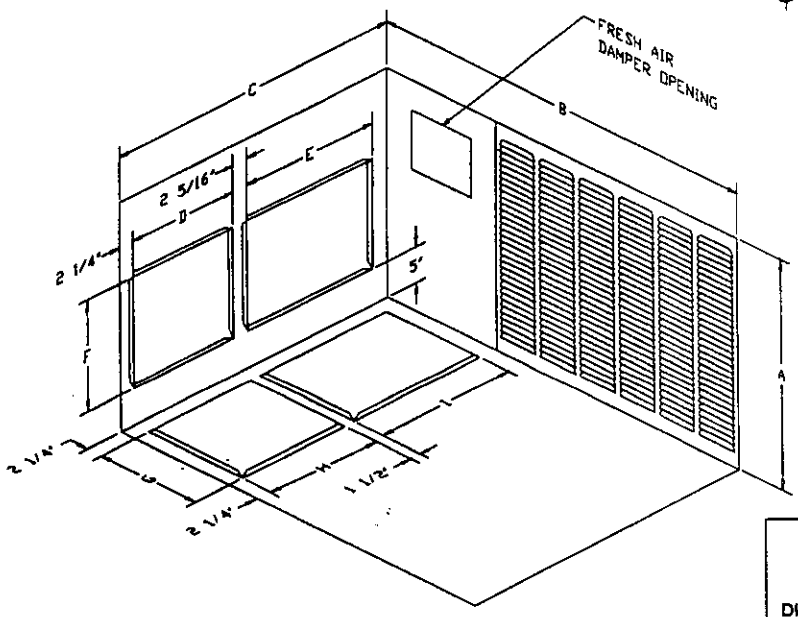
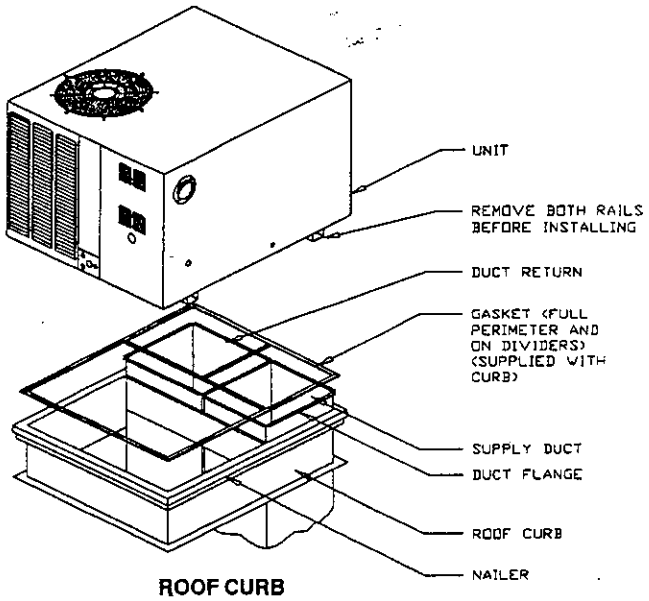


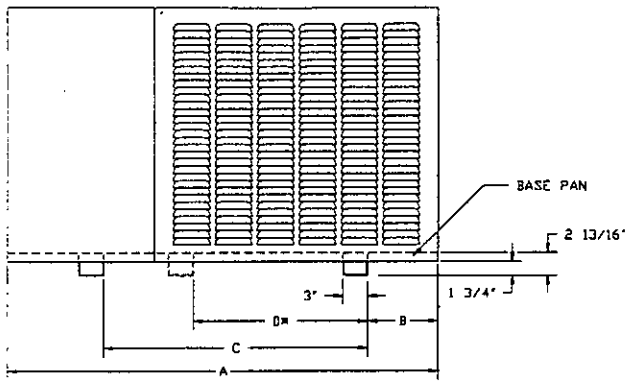
FIGURE 2

ACCESSORY MODEL NOMBERS	
ALL PGB MODELS	**MODEL NUMBERS**
LP Conversion Kit Honeywell HSP	LPM-01
Room Thermostat	CHT18-60
High & Low Pressure Kit	HLPK-01
Low Ambient Kit	LA-01

DIMENSIONS (INCHES)	PGB024050 PGB024075 PGB030050 PGB030075 PGB036050 PGB036075	PGB030100 PGB036100 PGB042075 PGB042100	PGB042125 PGB042150 PGB048075 PBG048100 PGB048125 PGB048150 PGB060100 PGB060125 PGB060150
A	31 1/8	31 1/8	33 5/8
B	52	52	55 3/8
C	38 3/4	43 3/4	58 1/8
D	13 3/8	16 3/4	24 5/8
E	18 3/8	20 3/8	26 5/8
F	15	15	17
G	15 1/4	15 1/4	17 1/4
H	13 3/4	16 3/4	25
I	18 3/4	20 3/4	27
K	30	30	32 1/2
L	16 3/8	18 3/8	27 3/4
M	7	7	7 1/4
N	7 5/8	7 5/8	10 1/8
O	12 3/8	12 3/8	14 7/8



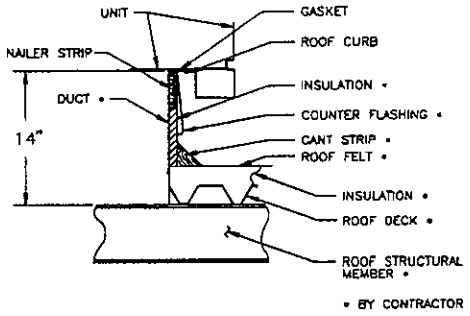
ROOF CURB
FIGURE 3



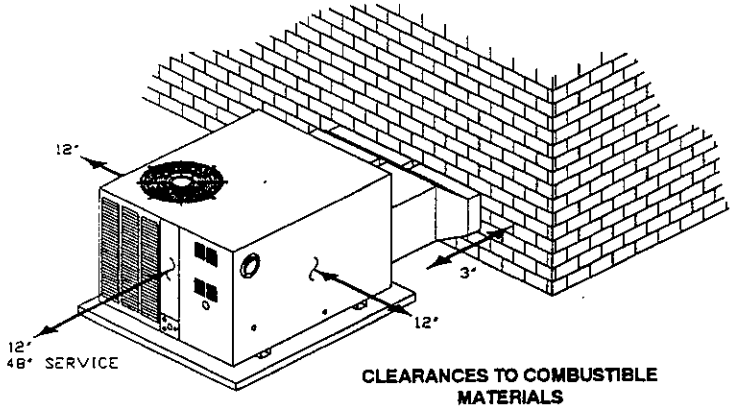
BASE RAIL DETAIL
FIGURE 4

UNIT	A	B	C	D*
2 - 3 TON (Small)	51 7/8"	9"	31 3/4"	21 1/16"
3 - 3 1/2 TON (Medium)	51 7/8"	9"	31 3/4"	21 1/16"
3 1/2 - 5 TON (Large)	55 1/4"	9"	35 1/4"	23"

* RELOCATION DIM. FOR BASE CHANNEL IN DOWN DISCHARGE OPTION.

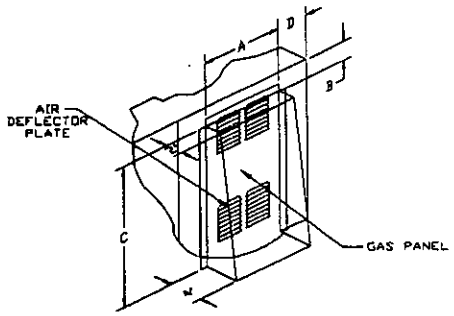


ROOF CURB DETAIL3
FIGURE 5



CLEARANCES TO COMBUSTIBLE MATERIALS

OUTSIDE SLAB INSTALLATION
FIGURE 6



SHIELD DETAIL
(REQUIRED ON SMALL, MEDIUM & LARGE CHASSIS)
FIGURE 7

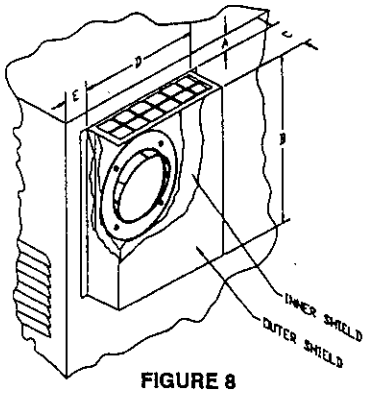


FIGURE 8

CHASSIS	A	B	C	D
SMALL	10"	2 3/16"	16"	2 1/4"
MEDIUM	10"	2 3/16"	16"	3 3/4"
LARGE	20"	5 7/16"	13 1/2"	4"

CHASSIS	A	B	C	D	E
SMALL	1"	10"	2 1/2"	8 1/4"	2"
MEDIUM	1"	10"	2 1/2"	8 1/4"	2"
LARGE	1"	10"	2 1/2"	8 1/4"	2 3/8"

INTRODUCTION

WARNING: DO NOT CONNECT TO OR USE IN CONJUNCTION WITH THIS UNIT ANY DEVICES FOR THE PURPOSE OF SAVING ENERGY OR INCREASING OPERATING EFFICIENCIES, WHICH HAVE NOT BEEN TESTED AND APPROVED BY GOODMAN OR DESIGN CERTIFIED FOR USE WITH THIS UNIT. SERIOUS DAMAGE, REDUCED UNIT PERFORMANCE AND HAZARDOUS CONDITIONS WHICH CAN RESULT IN ILLNESS OR DEATH FROM THE USE OF DEVICES WHICH HAVE NOT BEEN APPROVED OR CERTIFIED.

This booklet contains the installation and operating instructions for your combination gas-electric year-round furnace-air conditioner. Improper installation can result in unsatisfactory operation or dangerous conditions and void the warranty. Read this booklet and any instructions packaged with accessories prior to installation. Give this booklet to the user and explain its provisions. The user should retain this booklet for future reference.

CHECKING PRODUCT RECEIVED

Upon receiving the unit, inspect it for any damage from shipment. Claims for damage, either shipping or concealed, should be filed immediately with the shipping company. Check the unit model number, heat size, electrical characteristics, and accessories to determine if they are correct.

I. SPECIFICATIONS

A. GENERAL

These Combination Gas Heating/Electric Cooling Rooftops are available in 46, 69, 92, 115, and 140,000 Btu/Hr. heating inputs and cooling capacities of 2, 2.5, 3, 3.5, 4, and 5 nominal tons of cooling. Units are convertible from end supply and return to bottom supply and return by relocation of cap panels. See cover installation detail.

The units are weatherized for mounting outside of the building. **Units are not to be installed inside the structure.**

The information on the rating plate is in compliance with the FTC and DOE rating for single phase units in the U.S.A.. The following information is for three phase units which **are not** covered under the DOE certification program in the U.S.A.

1. The energy consumption of the ignition system used with the units is 9 watts.

2. The efficiency rating of this unit is a product thermal efficiency rating determined under continuous operating conditions independent of any installed system.

IMPORTANT: The United States Environmental Protection Agency (EPA) has issued various regulations regarding the introduction and disposal of refrigerants used in this unit. Failure to follow these regulations may harm the environment and can lead to the imposition of substantial fines. Because these regulations may vary due to the passage of new laws we suggest that any work on this unit be done by a certified technician. Should you have any questions please contact the local office of the EPA.

B. MAJOR COMPONENTS

The unit includes a hermetically-sealed refrigerating system (consisting of a compressor, condenser coil, evaporator coil with flowrator assembly), an indoor blower, a condenser fan, a heat exchanger assembly, gas furnace burner and control assembly, combustion air motor and blower, and all necessary internal electrical wiring. The cooling system of these units is factory-evacuated, charged and performance tested. Refrigerant amount and type are indicated on rating plate.

II. INSTALLATION

GENERAL

NOTE: Upon initial start-up some smoke or an odor may be present. This is normal and should disappear in a short amount of time. It is recommended that the doors and windows be opened upon initial start-up to vent the dwelling of this non toxic, non staining smoke.

1A. INSTALLATION — In the U.S.A. installation must conform with local building codes or, in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1. In Canada, the installation must conform with current Standard CAN/CGA B149.1 & .2 Gas Installation Codes, local plumbing or waste water codes, and other applicable local codes.

1B. PRE-INSTALLATION CHECK-POINTS -- Before attempting any installation, the following points should be considered:

- [illegible] strength of supporting members
- [illegible] installation)
- [illegible] and provision for servicing
- [illegible] and wiring
- [illegible] and piping
- [illegible]
- [illegible] and connections
- [illegible] noise

1C. Locate the air deflector plates with the unit and secure one to the upper gas panel as shown in Figure 7 and secure the other two as shown in Figure 8. Air deflector plates are used on all PGB units equipped with a shields (shields located in the return air compartment during shipment).

2. LOCATION — These units are designed for outdoor installations. They can be mounted on a slab or rooftop. They are not to be installed within any part of a structure such as an attic, crawl space, closet, or any other place where condenser air flow is restricted or other than outdoor ambient conditions prevail. Since the application of the units is of the outdoor type, it is important to consult your local code authorities at the time of first installation is made. Many local codes prohibit the use of a combination gas-electric unit having the heat exchanger downstream of the evaporator. The design of these units meets this code requirement in that the return air passes over the heat exchanger first before coming into contact with the evaporator coil preventing condensation from taking place within the heat exchanger.

B. SLAB INSTALLATION

(Typical slab installation is shown in Figure 6.)

1. Select a location where external water drainage cannot collect around unit.

2. Provide a level concrete slab (min. flush with all four sides of the unit). The slab should be isolated from the foundation wall. Insure that there is no obstruction to condenser or combustion air by fences, shrubs, etc.

3. The location of the unit should be such as to provide proper access for inspection and servicing.

4. Bottom rails are supplied for slab installation.

C. ROOFTOP INSTALLATION

1. BEFORE LOCATING THE UNIT ON THE ROOF, MAKE SURE THAT THE STRENGTH OF THE ROOF AND BEAMS IS ADEQUATE AT THE POINT TO SUPPORT THE WEIGHT INVOLVED. THIS IS VERY IMPORTANT AND THE INSTALLERS RESPONSIBILITY. The following list shows approximate weight of unit.

SIZE	WEIGHT (lb.)
2 TON	370
2 1/2 TON	385
3 TON	395
3 1/2 TON	465
4 TON	500
5 TON	545

2. Rigging and roof curb details see Figures 3 and 5.

3. The unit should be placed on a solid level platform of adequate strength. The mounting structure must be constructed as to support the unit a minimum of 3" above the roof deck. An angle iron stand of proper strength may be used to provide level support for the unit. See Figure 4 for unit bottom rail constructions.

4. The location of the unit on the roof should be such as to provide proper access for inspection and servicing.

FOR OUTDOOR INSTALLATION ONLY

The venting as supplied with the unit must be used without alteration or addition. Consult your local utility BEFORE installing.

D. DUCTING

Duct work should be fabricated by the installing contractor in accordance with local codes. Industry manuals may be used as a guide when sizing and designing the duct system — such as NESCA (National Environmental Systems Contractors Association, 1501 Wilson Blvd., Arlington, Virginia 22209).

DO NOT, UNDER ANY CIRCUMSTANCES, CONNECT DUCT WORK TO ANY OTHER HEAT PRODUCING DEVICE SUCH AS FIREPLACE INSERT, STOVE, ETC. UNAUTHORIZED USE OF SUCH DEVICES MAY RESULT IN FIRE, CARBON MONOXIDE POISONING, EXPLOSION, PERSONAL INJURY OR PROPERTY DAMAGE.

This unit should be placed as close to the space to be air conditioned as possible. Adequate clearance must be maintained as indicated in Section F "Clearances". Ducts should be run as directly as possible to supply and return outlets. Use of non-flammable weatherproof flexible connectors on both supply and return connections at unit to reduce noise transmission is recommended.

It is preferable to install the unit on the roof of the structure if the registers or diffusers are located on the wall or in the ceiling. A slab installation could be considered when the registers are low on a wall or in the floor.

On duct work exposed to outside air conditions of temperature and humidity, use a minimum of 2" of insulation with a good R factor, and vapor barrier. Distribution system in attic furred space, or crawl space should be insulated with at least 2" of insulation. 1/2" to 2" thickness of insulation is usually sufficient for duct work inside the air conditioned space.

Balancing dampers should be provided for each branch duct in the supply system. Duct work should be properly supported from the structure.

E. FILTERS

Filters are not provided with unit, and must be supplied and installed in the return air system by the installer. A field installed filter grille is recommended for easy and convenient access to the filters, for periodic inspection and cleaning. Filters must have adequate face area for the rated air quantity of the unit. See table 3 for recommended filter size.

UNIT	2 Ton	2 1/2 Ton	3 Ton	3 1/2 / 4 Ton	5 Ton
Min. Filter Size	(1)20 x 20 x 1	(1)20 x 25 x 1	(1)25 x 25 x1	(2)20 x 20 x 1	(2)20 x 25 x 1

F. CLEARANCES

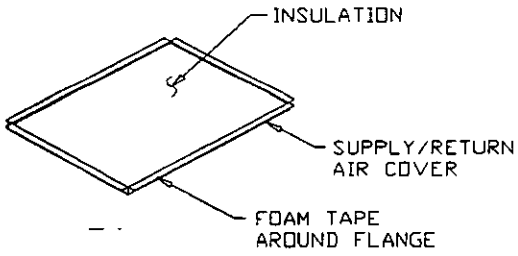
The following minimum clearances must be observed for proper unit performance and serviceability.

1. Provide 60" minimum clearance between top of unit and maximum 3 foot overhang.

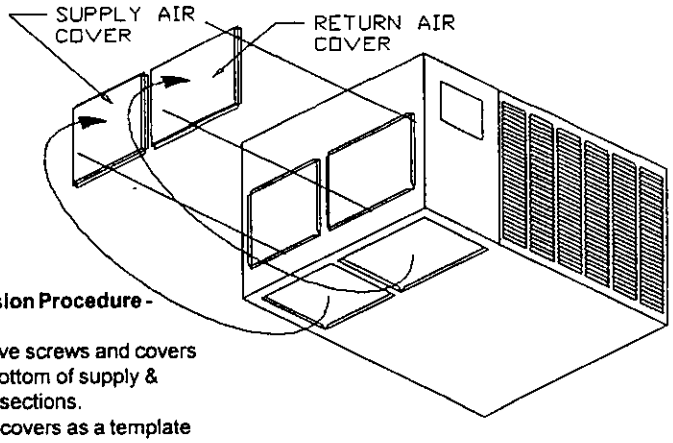
2. Unit is design certified for application on combustible flooring with base rails in place as shown on Figure 6.

3. See Figure 6 for illustration of minimum installation combustible material clearances.

4. The unit may be installed directly on wood flooring or on (Class A, Class B, or Class C, in U.S.A.) roof covering materials if the bottom rails are in place.



COVER GASKET DETAIL



Conversion Procedure -

1. Remove screws and covers from bottom of supply & return sections.
2. Using covers as a template drill 1/8" dia. holes in unit front around duct openings.

IMPORTANT NOTE:

When casing panels, other than access panels, are removed for service, any insulation that is damaged or torn must be replaced by identical material.

III. PIPING

A. GAS CONNECTION

1. The gas line connection to the unit must be made through the gas pipe opening provided into the 1/2" inlet valve opening. See Figure 9 for typical piping.

2. The gas line to the furnace should be of adequate size to prevent undue pressure drop and should never be less than 1/2". A trap should be installed in the gas supply line as close to the unit as possible. An outside ground joint union should be installed to connect the gas supply to the control assembly gas valve.

3. Gas controls have been factory installed. Another manual shut off valve should be installed where local codes specify a shut-off valve is to be located outside the unit casing. (See Figure 9)

4. Piping should be tight. **A pipe compound resistant to the action of liquified petroleum gases must be used at all threaded pipe connections.**

CAUTION:

The furnace and its individual shut-off valve must be disconnected from the gas supply piping during any pressure testing of that system at test pressures in excess of 1/2 pound per square inch gauge or the system must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of this gas supply system at pressures equal to or less than 1/2 PSIG.

To check for leaks in piping use a soap and water solution or other approved method. DO NOT USE AN OPEN FLAME.

5. A 1/8" N.P.T. plugged tapping, accessible for test gauge connection, must be installed immediately upstream of the gas supply connection to the furnace.

TABLE 1
GAS PIPE CAPACITY TABLE (CU. FT./HR.)

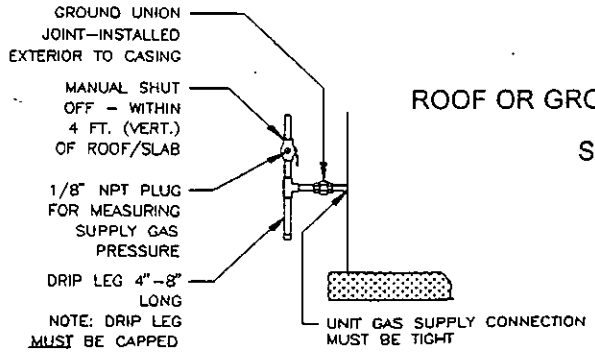
Capacity of gas pipe of different diameters and lengths in cu.ft. per hr. with pressure drop of 0.3 and specific gravity of 0.60 (natural gas).

NOMINAL IRON PIPE SIZE (INCHES)	LENGTH OF PIPE (FEET)							
	10	20	30	40	50	60	70	80
1/2	132	92	73	63	56	50	46	43
3/4	278	190	152	130	115	105	96	90
1	520	350	285	245	215	195	180	170
1 1/4	1,050	730	590	500	440	400	370	350
1 1/2	1,600	1,100	760	760	670	610	560	530

After the length of pipe has been determined, select the pipe size which will provide the cubic feet per hour required for the gas input rating of the furnace. By formula:

$$\text{Cu. Ft. Per Hr. Required} = \frac{\text{Gas Input of Furnace (BTU)}}{\text{Heating Valve of Gas (BTU/FT}^3\text{)}}$$

The gas input of the furnace is marked on the furnace rating plate. * **IMPORTANT** THE HEATING VALUE OF THE GAS (BTU/Ft^3) MAY BE DETERMINED BY CONSULTING THE LOCAL NATURAL GAS UTILITY OR THE L.P./PROP. GAS SUPPLIER.



ROOF OR GROUND LEVEL INSTALLATION

Suggested Gas Piping
FIGURE 9

B. CHECKING INPUT TO UNIT

1. It is importat to check and adjust the input rate of the furnace to prevent an overfiring situation. Overfiring can cause premature heat exchanger failure. The input is controlled by the supply pressure, orifice size, manifold pressure and heating (caloric) value of the gas.

2. Manifold pressure can be measured with a manometer attached to the 1/8" pipe tap provided in the gas valve. Manifold pressure for Natural Gas should be 3 1/2" W.C. and for L.P./Prop. gas 10" W.C. To measure the input using a gas meter, proceed as follows:

a. Turn off gas supply to all appliances except furnace. With furnace burning, time the two cubic foot hand on the gas meter dial plate for one revolution in seconds and divide this reading by two. This will give seconds per cubic foot of gas being delivered to the furnace.

natural gas with heating value of 1,000* Btu/Cu. Ft. and Sec./Cu. Ft. being determined from step 2a, then

$$\frac{1{,}000^* \times 3600}{\text{Sec./Cu.Ft.}} = \text{Input Btu/Hr}$$

CHECK WITH LOCAL GAS PROVIDER FOR THE (CALORIC) HEATING VALUE OF SUPPLIED GAS IN YOUR AREA.

3. The furnace is supplied with orficies sized for altitudes up to 2,000 feet using a heating value of approximately 1,000, and should not normally require change. The supply pressure must be measured with this and all other gas burning appliances in operation. The supply pressure must be adjusted to the pressure range stated on the series and rating plate.

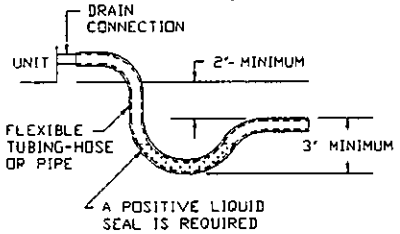
4. Applications for altitudes in excess of 2,000 feet require an orifice change. The furnace must be derated 4% for each 1,000 ft. above sea level. In Canada, the series and rating plate input for the furnace apply to installations up to 2,000 (610m) above see level. Kit HA-02 for natural and LP gases is required to convert furnaces from elevations of 2,000 to 4,000 feet (610m to 1,370m). Canadian certification applies to the installations of up to 4,500 feet above sea level. Installations above 4,500 feet are subject to acceptance by the local authorities having jurisdiction.

C. BURNERS

The main burners should not need adjustment in most instances. However, air shutters are provided should adjustment be necessary.
After the furnace has been in operation for at least five (5) minutes loosen the air shutter locking screws and close the shutter until the yellow disappears. Retighten the locking screw.

D. CONDENSATE DRAIN

The condensate drain connection of the evaporator is a half coupling of 3/4" N.P.T. A trap must be provided to have proper condensate drainage.



Install condensate drain trap as shown. Use 3/4" drain connection size or larger. Do not operate without trap. Unit must be level or slightly inclined toward drain.

E. COMBUSTION AIR FAN

Inspect fan motor blower housing prior to each heating season to see that both are clear of obstructions and turn freely.

NOTE: Some motors are dual voltage and require wiring change for 208V operation. See wiring diagram.

F. FURNACE ACCESS PANEL

Design of this system requires that the combustion compartment be sealed for proper furnace operation. Never operate furnace with access panel removed or screws loose. The glass inspection port allows observation of igniter and burner operation with panel in place.

IV. WIRING

A. All wiring should be made in accordance with the National Electrical Code in the U.S.A. and Canada Determine the availability of sufficient power to operate the unit. The voltage at power supply should be checked to make sure it corresponds to the unit's RATED VOLTAGE REQUIREMENT. Install a branch circuit disconnect near the unit, in accordance with the N.E.C., or local codes. Wire sizes should be determined from the unit nameplate ampacity and in accordance with Table 2, the National Electrical Code. Under no circumstances should wiring be sized smaller than is recommended by either of these two sources. See wiring diagram for maximum fuse or HACR breaker size.

All exterior wiring must be within approved weatherproof conduit. The unit must be permanently grounded in accordance with local codes, or in the absence of local codes, with the N.E.C. ANSI/NFPA NO. 70-1987 or latest edition in the U.S.A., or current C.S.A. standard C22.1 Canadian Electrical Code Part 1 in Canada by using ground lug in control box.

NOTE: This furnace contains electronic components which require a definite ground. Provisions are made for connection of the ground. If this product is not permanently and positively grounded numerous service calls may result. A dedicated ground from the main power supply or an earth ground must be provided. The gas supply pipe must never be used for grounding purposes.

NOTE: Some single phase units are equipped with a single pole contactor. Caution must be exercised when servicing as only one leg of the power supply is broken with the contactor.

1. High Voltage Wiring:
Single phase: Two leads should be connected to terminals L1 and L2 in the electrical control section, using wire sizes specified in wiring table.

Three phase: Three leads should be connected to terminals L1, L2, and L3 in the electrical control section, using wire sizes specified in wiring table.
2. Low Voltage Wiring:
Connect 24 V. wires from the thermostat to the corresponding wires in control box using No. 18 AWG as follows:

LEAD	THERMOSTAT	NOTES
White	W (Heat)	-
Green	G (Fan)	-
Yellow	Y (Cool)	-
Red	R (24V.)	-
Orange	Y1	Only when economizer is utilized
Pink	Y2	"

3. Internal Wiring

A diagram of the internal wiring of this unit is located under the electrical box cover. If any of the original wire as supplied with the appliance must be replaced, the wire gauge and insulation must be same as original wiring.

4. Transformer and combustion air motor are factory wired for 230 volts on 208/230 volt models. See wiring diagram for 208 volt wiring.

TABLE 2
BRANCH CIRCUIT
COPPER WIRE SIZE
(Based on 1% Voltage Drop)

SUPPLY WIRE LENGTH - FEET	200	6	4	4	4	3	3	2	2
	150	8	6	6	4	4	4	3	3
	100	10	8	8	6	6	6	4	4
	75	12	10	8	8	6	6	4	4
	50	14	12	18	10	8	8	6	6
		15	20	25	30	35	40	45	50
		BRANCH CIRCUIT AMPACITY							

NOTE:
1. For branch circuit wiring (main power supply to unit disconnect), the minimum wire size for the length of run can be determined from Table 2 using the circuit ampacity found on the unit rating plate. From the unit disconnect to unit, the smallest wire size allowable for unit ampacity in Table 2 may be used, as the disconnect must be in sight of the unit.

2. Wire size based on 60°C rated wire insulation and 30°C Ambient Temp. (86°F).

3. For more than 3 conductors in a raceway or cable, see the N.E.C. for derating the ampacity of each conductor.

V. ELECTRONIC IGNITION SYSTEM

MODE OF OPERATION

The unit is automatically controlled by the room thermostat. The combustion motor, and main burners are cycled on each call for heat. The combustion motor, and main burners are shut down when the thermostat is satisfied. When the thermostat calls for heat, the combustion motor is energized. The combustion motor interlock will close, supplying power to the electronic ignition circuit. The main valve will open and the igniter will spark and light the burners. The flame sensor proves the presence of the burner flame and interlocks the main valve allowing the main burners to stay lit. When the thermostat is satisfied, the combustion motor and gas valve are de-energized and the combustion motor interlock will open. If the burner flame is extinguished during main operation, the flame sensor detects the absence of flame and causes the main valve to close and re-energize the ignitor to re-light the burner. The fan control will energize the indoor blower 30 seconds (+ 20%) after the main burner is energized and will deenergize 150 sec. (+ 20%) after. (This timedown is selectable 120, 135, or 150 seconds).

OPERATING INSTRUCTIONS

Instructions to start and shut off the furnace are in the "lighting instructions" on the unit and in the users manual.

CAUTION: The ignitor and ignition lead are supplied with high voltage. Keep hands and tools away to prevent electrical shock. Shut off electrical power before servicing any of the controls.

1. High Voltage Wiring:
Single phase: Two leads should be connected to terminals L1 and L2 in the electrical control section, using wire sizes specified in wiring table.

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	100	10	8	8	6	6	6	4	4
	75	12	10	8	8	6	6	4	4
	50	14	12	18	10	8	8	6	6
		15	20	25	30	35	40	45	50
		BRANCH CIRCUIT AMPACITY							

NOTE:
1. For branch circuit wiring (main power supply to unit disconnect), the minimum wire size for the length of run can be determined from Table 2 using the circuit ampacity found on the unit rating plate. From the unit disconnect to unit, the smallest wire size allowable for unit ampacity in Table 2 may be used, as the disconnect must be in sight of the unit.

2. Wire size based on 60°C rated wire insulation and 30°C Ambient Temp. (86°F).

3. For more than 3 conductors in a raceway or cable, see the N.E.C. for derating the ampacity of each conductor.

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OPERATING INSTRUCTIONS

Instructions to start and shut off the furnace are in the "lighting instructions" on the unit and in the users manual.

CAUTION: The ignitor and ignition lead are supplied with high voltage. Keep hands and tools away to prevent electrical shock. Shut off electrical power before servicing any of the controls.

start up on a new installation may require the control system to be energized for some time until any air has bled the burner and fuel gas is available at the burner.

CHECK OUT PROCEDURE

Before leaving the installation, 3 complete operating cycles should be observed. Carefully follow the lighting instructions. Run the unit through a normal operating cycle and observe the operation.

SERVICE

Service should only be conducted by qualified service personnel.

1. If the burners do not ignite, check to see that all connections are proper. CAUTION — Be sure electrical power is off when checking connections.

2. Observe presence of a spark at the ignitor on initial start-up. If spark is not present, determine if power is available to control See technical publication TP-105 for mode of operation and troubleshooting. CAUTION —. Do not touch ignitor or connections with controls energized. If burner does not light even though a spark is present, gas is not available at the burner or the gas pressure is excessively low or high. Do not attempt to light burner with a match.

3. If burner does not ignite, check trouble shooting guide in TP-105.

4. The unit must be properly grounded. - **NOTE - Do Not Use Gas Pipe.**

NOTE: There is no way to field service defective ignition control. Do not attempt to remove the covers and make field repairs. Replace the entire control with new controls of the same model and type. Return failed controls to the factory through an authorized distributor.

VI. MAINTENANCE

The furnace should operate for many years without excessive scale buildup in the flue passageways. However, it is recommended that the user have a qualified service man inspect the flue passageways, the vent system, and the main burners for continued safe operation paying particular attention to deterioration from corrosion or other sources. The flue passageways and vent system should be inspected and cleaned (if required) by a qualified serviceman after the second year of service and annually thereafter using this procedure. Combustion air motor and blower should be checked for obstructions prior to each heating season.

1. Turn off all power to the furnace and set the thermostat lever to the lowest temperature.
2. Shut off the gas supply to the furnace either at the meter or at a manual valve in the supply piping.
3. Remove the control door from the furnace.
4. Turn the gas control knob to the "off" position.
5. Mark the individual wires to the gas control for identifying purposes when they are to be re-connected.
6. Remove wires from the gas controls and disconnect the ignitor and flame sensor wires.
7. Using wrenches, separate the ground-joint union in the supply piping at the furnace.
8. Remove piping between the control valve and the ground-joint union.
9. Remove the burner assembly from the furnace by removing the (4) screws securing the burner box and lift the burner cover off.
10. Each furnace section has a flue collector box cover in the flue outlet. Remove the screws in the collector box and wires from the combustion motor.
11. The furnace sections can now be cleaned by the use of a wire brush with a flexible handle. Slide brush through each section. Sweeping back and forth through each section will loosen any scale allowing it to fall to the bottom of the sections. The debris can now be brushed out of the bottom sections or cleaned with the nozzle of a vacuum cleaner.
12. Check the ports on the gas burners to make certain that they are clean. Brushing or jarring may loosen any accumulation. Standing the burner assembly on end will allow any scale to fall out of the entrance end of the burners.
13. Reinstall the flue collector box & combustion motor.
14. Replace the burner assembly and secure in position.
15. Reinstall the gas supply piping between the gas control and the ground joint union.

LIGHTING INSTRUCTIONS

WARNING

If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life

A. This appliance does not have a pilot. It is equipped with an ignition device which automatically lights the burners. Do not try to light the burners by hand.

B. BEFORE OPERATING smell around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance
- Do not touch any electric switch; do not use any telephone in your building.
- Immediately call your supplier from a neighbor's phone. Follow the gas suppliers instructions.
- If you cannot reach your gas supplier, call the fire department

C. Use only your hand to move the gas control switch or knob. Never use tools. If the gas control switch or knob will not operate, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

OPERATING INSTRUCTIONS

1. STOP! Read the safety information above on this label.

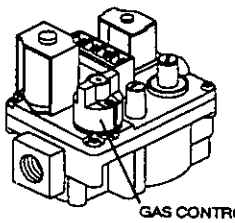
2. Set the thermostat to lowest setting.

3. Turn off all electric power to the appliance.

4. This appliance is equipped with an automatic ignition system which automatically lights the burners. Do not try to light the burners by hand.

5. Remove control access panel.

6. Move the gas control switch or knob to "OFF".



GAS CONTROL KNOB

7. Wait five (5) minutes to clear out any gas. If you then smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.

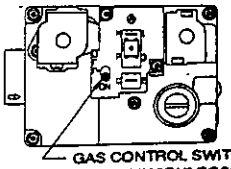
8. Move the gas control switch or knob to "ON."

9. Replace control access panel.

10. Turn on all electric power to the appliance.

11. Set the thermostat to the desired setting.

12. If the appliance will not operate, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.



GAS CONTROL SWITCH SHOWN IN "ON" POSITION

TO TURN OFF GAS TO APPLIANCE

1. Set the thermostat to its lowest setting.

2. Turn off all electric power to the appliance if service is to be performed.

3. Remove control access panel.

4. Move the gas control switch or knob to "OFF." Do not force.

5. Replace control access panel.

WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the user's information manual provided with this furnace. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

This furnace must be installed in accordance with the manufacturers instructions and local codes. In the absence of local codes follow the National Fuel Gas Code, ANSI Z223.1.

WARNING: If not installed, operated and maintained in accordance with the manufacturer's instructions, this product could expose you to substances in fuel combustion which can cause death or serious illness and which are known to the State of California to cause cancer, birth defects or other reproductive harm.

This product contains fiberglass insulation. Fiberglass insulation contains a chemical known by the State of California to cause cancer.

FOR YOUR SAFETY Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

B14933-161

16. Re-connect all wiring that was previously disconnected.

17. Turn on the gas supply and check for leaks.

18. Turn on the electric power.

19. Follow the lighting procedure. Due to the cleaning operation the system will contain air. Therefore, the system may have to be cycled a couple of times before the burner gas will ignite,

TROUBLESHOOTING CHART

WARNING : DISCONNECT ALL POWER TO UNIT BEFORE SERVICING.

SYMPTOM	POSSIBLE CAUSE	REMEDY
High head - low suction	a. Restriction in liquid line or capillary tube	a. Remove or replace defective components
High head - high or normal suction	a. Dirty condenser coil b. Overcharged c. Condenser fan not running	a. Clean coil b. Correct System charge c. Repair or Replace
Low head - high suction	a. Incorrect capillary tube b. Defective compressor valves	a. Replace evaporator assembly b. Replace compressor
Unit will not run	a. Power off or loose electrical connection b. Thermostat out of calibration set too high c. Defective contactor d. Blown fuses or tripped breaker e. Transformer defective f. High or low pressure control open (Optional) g. Compressor overload contacts open	a. Check for unit voltage at contactor in unit b. Reset c. Check for 24 volts at contactor coil replace if contacts are open d. Replace fuse or reset breaker e. Check wiring - replace transformer f. Reset high pressure control or check unit charge High pressure control opens at 425 psi Low pressure control opens at 25 psi g. Replace compressor NOTE: Wait at least 2 hours for overload to reset
Condenser fan runs, compressor doesn't	a. Loose connection b. Compressor stuck, grounded or open winding open internal overload c. Low voltage connection	a. Check for unit voltage at compressor check & tighten all connections b. Wait at least 2 hours for overload to reset If still open, replace the compressor c. At compressor terminals, voltage must be within 10 % of nameplate volts when unit is operating
Low suction - cool compressor Iced evaporator coil	a. Low indoor airflow	a. Increase speed of blower or reduce restriction - replace air filters
Compressor short cycles	a. Defective overload protector b. Unit cycling on low pressure control	a. Replace - check for correct voltage b. Check refrigerant charge and / or airflow
Registers sweat	a. Low airflow	a. Increase speed of blower or reduce restriction replace air filters
High suction pressure	a. Excessive load b. Defective compressor	a. Recheck load calculation b. Replace
Insufficient cooling	a. Improperly sized unit b. Improper airflow c. Incorrect refrigerant charge d. Incorrect voltage	a. Recalculate load b. Check - should be approximately 400 CFM per ton c. Charge per procedure attached to unit service panel d. At compressor terminals, voltage must be within 10% of nameplate volts when unit is operating
Evaporator coil freezing or frosting	a. Low airflow b. Low refrigerant charge c. Operating unit in cooling mode below 65°F outdoor temperature	a. Check - should be approximately 400 CFM per ton, dirty air filters, all duct outlets open b. Properly charge unit c. Install or check low ambient control, should be open below 65°F outdoor temperature

Township of Brick
Counter Form
(PLEASE PRINT)

Site Location: 270 CHAMBERS BRIDGE RD
Block: 701-29 Lot: 1
Owner's Name: Twsp of BRICK (SUGAR BEAR DAY CARE)
Owner's Mailing Address: _____

Phone: (732) 920-3025 (SUGAR BEAR DAY CARE)

BUILDING

Contractor: _____
Address: _____

Phone#: _____
Lis.# _____
Federal Emp # or SSN _____

Technical Data

Description of Work:

Type of Work

___New Building	___Siding
___Addition	___Fence
___Alteration	___Pool
___Roofing	___Demolition
___Asbestos Abatement	___Sign _____sq ft

Building Characteristics

Use Group Present: _____ Proposed: _____
No of Stories: _____
Height of Structure: _____
Area of the largest floor: _____
Area of New Structure: _____
Volume of New Structure: _____
Total Land Disturbed: _____

Cost of Alteration: $_____

Cost of New Building: $_____

Total Cost of New Building Work: $_____

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

Signature: _____

Please Print Name _____

ELECTRICAL

Contractor: (REUSED EXISTING)
Address: _____

Phone#: _____
Lis #: _____
Federal Emp # or SSN _____

Technical Data

Item	Quantity
Lighting Fixtures	
Receptacles	
Switches	
Detectors	
Light Poles	
Motors w/ Fract. HP	
Emergency & Exit Lights	
Communication Points	
Alarm Devices/FAC Panel	
Total	
Pool (Receptacles, Switches, Lights, Motor 1HP)	
Spa/Hot Tub/Storable Pool	
Electric Range	KW
Oven/Surface Unit	KW
Electric Water Heater	KW
Electric Dryer	KW
Dishwasher	KW
Garbage Disposal	HI
A/C Unit –Central Air	KW
Space Heater/Air Handler	KW
Baseboard Heating	KW
Motors 1+ HP	
Transformer/Generator	KW
Light Stander	AMP
Service	AMP
Subpanel	AM
Motor Control Center	AM
Sign/Outline Light	KW
Furnace	
Steam Boiler	
Other:	

Estimated Cost of Electrical Work: _____

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

Signature: _____

Please Print Name _____

CONTRACTOR'S SEAL

Counter Form
PLEASE PRINT

PLUMBING

Contractor: BRS. ENTERPRISES
Address: 10 BEATTIE CT
JACKSON N.J 08527
Phone #: 732-928-9033.
Lis #:
Federal Emp # or SSN [redacted]

Technical Data

Fixtures	Quantity
Water Closets (Toilet)	
Urinals/Bidets	
Bath Tub (w/or w/out shower head)	
Lavatory (BR Sink)	
Shower	
Floor Drain	
Sink	
Dishwasher	
Drinking Fountain	
Washing Machine	
Hose Bib	
Gas Piping	
Fuel Oil Piping	
Water Heater	
Steam Boiler	
Hot Water Boiler	
Sewer Pump	
Interceptor/Separator	
Backflow Preventer	
Greasetrap	
Air Conditioner (Condensate Drain)	1 TO GUTTER
Septic Tank Closure	
Sewer Service Connection	
Water Service Connection	
Active Solar System	
Auxiliary Meter	
Sprinkler Heads	
Sump Pump	
Pool Heater	

Other: ROOF TOP A.C REPLACE MENT
COMFIRT MAKER 4 TON 120,000 BTU
WITH GOODMAN 4 TON 120,000 BTU
ROOF TOP
REUSED EXHIST ING ELECTRICAL

Estimated Cost of Plumbing Work 7500

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

Signature:

Please Print Name: RON SCHARDT / BRS ENTERPRISES

CONTRACTOR'S SEAL

FIRE

Contractor:
Address:

Phone #:
Lis #:
Federal Emp # or SSN

Technical Data

Description of Work:

Heating Type: ___Gas ___Oil ___Electric ___Solar
Heating System is ___New ___Existing
Location of Furnace/Boiler:
Water Supply Source
Method of Valve Supervision
Local Alarm Supervision
Central Supervision:
Proprietary Supervision:

Flammable Storage Tanks _____capacity_____fuel
Combustible Storage Tanks_____capacity_____fuel
LPG Storage Tanks_____capacity_____fuel

Item	Quantity
Wet Sprinkler Heads	
Dry Sprinkler Heads	
Total	
Smoke Detectors	
Heat Detectors	
Total	
Stand Pipes	
Kitchen Hood Exhaust System	

Pre-Engineered Systems:
CO2 Suppression
Halon Suppression
Foam Suppression
Dry Chemical
Wet Chemical

Gas/ Oil Fired Appliances:
Gas Stove
Gas Dryer
Furnace (Gas or Oil)
Gas Fireplace
Gas Logs
Total Appliances

Wood Burning Stove
Wood Fireplace
Other:

Estimated Cost of Fire Work

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

Signature:

Print Name: