

11615-97

MAY 07 1997



CONSTRUCTION PERMIT APPLICATION *Mar 8*

Marl 2

Update

1. Building
2. Electrical
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

\$

§ 340

\$

\$

\$

165
175-

340

2

342 ad

(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 _____ sq. ft.
 no _____
11. Max. Live Load _____
12. Max. Occupancy Load _____

Est	Cost
-----	------

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

1,000.00

2.000,00

2,800.00

5.800,00

[illegible]

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

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

A. RESIDENTIAL

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

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 10207567

CERTIFICATION IN LIEU OF OATH

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

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

Mark the following applicable boxes:

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

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

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

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

C. () I further certify that I will perform or supervise the following work:

C.1. () Building C.2. () Fire Protection

I further certify that I will perform the following work:

C.3. () Electrical C.4. () Plumbing

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

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

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

Signature _____ Date _____

II. AGENT SECTION

(to be completed if the applicant is not the owner in fee)

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

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

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

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

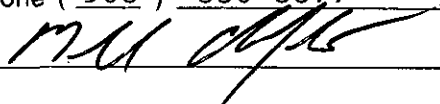
(x) Check if contractor.

Agent Name East Coast Mechanical Contractors

Address 209 Cooper Road

Red Bank, NJ 07701

Telephone (908) 530-8877

Signature  Date 5/6/97

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	
☐ Planning Board									
☐ Zoning Board									
☐ Sewer Authority									
☐ Water Authority									
☐ Fire Department									
☐ Police Department									
☐ Health Department									
☐ Soil Conservation									
☐ N.J. Dept. of Community Affairs									
☐ N.J. Department of Transportation									
☐ N.J. Dept. of Environmental Protect.									
☐ Utility Dig No.									
☐ Other									
☐									
☐									

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 EXPIRED

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



CONSTRUCTION PERMIT

Date Issued

Control #

Permit #

6/12/97

1615-97

IDENTIFICATION Block

Lot

Work Site Location

Contractor

Address

Owner In Fee

Address

Tele. ()

Lic. No. or Bldrs. Reg. No.

Exp. Date

Tele. ()

Federal Emp. No.

or Social Security No.

1615-97

BLOCK

672 #

0.00

0.00

Is hereby granted permission to perform the following work:

☐ BUILDING ☒ PLUMBING ☐ OTHER☐ ELECTRICAL ☒ FIRE PROTECTION☐ ELEVATOR DEVICES

DESCRIPTION OF WORK:

Gas Piping - drain in
Loft top

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 \$

U.C.C. Form F-170C

CONSTRUCTION OFFICIAL

PAYMENTS (Office Use Only) 8

Building PLUMBING 165.00

Plumbing 1105 - FIRE 175.00

Electrical D.C.A. 2.00

Fire Protection 176 TOTAL 342.00

Other CHECK 342.00

Other CHANGE 0.00

DCA Training Fee 2

Cert. of Occ. 06/12/97 NO. 5 0000A0005 10:10

Other

Total 342.00

Check No. 127015

Cash

Collected By: J

1. WHITE - OFFICE

2. CANARY - TAX ASSESSOR

3. PINK - JACKET

4. GOLD - APPLICANT

REQUIRED INSPECTIONS

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

☐ Required inspections for all subcodes for one and two family dwellings are the following:

1. The bottom of footing trenches before placement of footings, except that in the case 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 and connections prior to covering with finish or infill material; plumbing underground services, rough piping, water service, sewer, septic services and storm drains; electrical rough wiring, panels and service installations; insulation installations;
4. Installation of all finished materials, sealings of exterior joints; plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

☐ 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. Any violations of the approved plans and/or permit will be noted and the holder of the permit notified of discrepancies.

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

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



**PLUMBING
SUBCODE
TECHNICAL SECTION**



Date Received 6/12/97
Date Issued
Control # 1615-97
Permit #

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

Block 672 Lot 8
Work Site Location 51 Chambers Bridge Rd.
Bricktown, NJ 08723
Owner in Fee Trauts - S. Plainfield, Inc.
301 Blair Rd.
Address Woodbridge, NJ 07095
Tele. () EAST COAST MECHANICAL CONTRACTORS, INC.
209 Cooper Rd.
Address Red Bank, NJ 07701
Tele. (908) 530-8877
Lic. No. 22-3132296 or Social Security No.
Federal Emp. No.

B. PLUMBING CHARACTERISTICS

Use Group Present Proposed
Building Sewer Size Public Sewer Private Septic
Water Service Size Public Water Private Well
Estimated Cost of Plumbing Work \$ 2,000

JOB SUMMARY (Office Use Only)

PLAN REVIEW:		INSPECTIONS			
Type:		Failure	Failure	Approval	Initial
☐ No Plans Required	Slab				
☐ Joint Plan Review Required:	Rough				
☐ Bldg. [] Elec.	Water				
☐ Fire [] Elevator	Sewer				
☒ Plumb. Plans Approved	Fixtures				
Date: <u>6-9-97</u>	Gas Equipment				
Approved by: <u>[Signature]</u>	Gas Piping				
	Solar				
	TCO				
SUBCODE APPROVAL:					
☐ CO ☐ CCO ☐ CA					
Approved By: <u> </u>					
Date: <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.
Signature—Contractor Seal [Signature]
[] Licensed Plumbing Contractor [] Exempt Applicant

D. TECHNICAL SITE DATA (List all fixtures.)

NO.	FIXTURE/EQUIPMENT	FEE (Office Use Only)
	Water Closet	
	Urinal/Bidet	
	Bath Tub	
	Lavatory	
	Shower	
	Floor Drain	
	Sink	
	Dishwasher	
	Drinking Fountain	
	Washing Machine	
	Hose Bibb	
	Water Heater	
<u>4</u>	Fuel Oil Piping	
	Gas Piping <u>As Shown on Drawing</u>	<u>25</u>
	Steam Boiler	
	Hot Water Boiler	
	Sewer Pump	
	Interceptor/Separator	
	Backflow Preventer	
	Greasetrap	
	Water Cooled A/C	
	or Refrigeration Unit	
	Sewer Connection	
	Water Service Connection	
	Active Solar System	
<u>4</u>	Other <u>Coarse Drain on Roof</u>	<u>146</u>
Paid [] Check # <u> </u> Minimum Fee \$ <u>65</u>		
DCA Training Fee \$ <u> </u>		
Collected by: <u> </u> TOTAL \$ <u> </u>		



**FIRE PROTECTION
SUBCODE
TECHNICAL SECTION**



Date Received 6/12/97
Date Issued
Control #
Permit # 1616-97

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

Block 672 Lot 8
Work Site Location 51 Chambers Bridge Rd.
Bricktown, NJ 08723
Owner in Fee Traits - S. Plainfield, Inc.
Address 301 Blair Road
Woodbridge, NJ 07095
Tele. () East Coast Mechanical Contractors, Inc.
209 Cooper Road
Red Bank, NJ 07701
Tele. (908) 530-8877
Lic. No. 22-3132296 or Social Security No.
Federal Emp. No.

B. FIRE PROTECTION CHARACTERISTICS

Use Group Present Proposed
Const. Class. Present Proposed
Heating Systems: ☒ New ☐ Existing
Type: ☒ Gas ☐ Oil ☐ Electrical ☐ Solar
☐ Other Roof top Units (4)
Location: Roof top Units (4)
Total Est. Cost of Fire Prot. Work \$ 1,000 ☐ Other

JOB SUMMARY (Office Use Only)

PLAN REVIEW:	INSPECTIONS:	Dates (Month/Day)	Initial
☐ No Plans Required	Type: <u> </u>	Failure	Failure
☐ Joint Plan Review Required:	Suppression Test	Approval	Approval
☐ Bldg. ☐ Plumb	Fire Alarm Test		
☐ Elec. ☐ Elevator	Smoke Test		
☐ Fire Plans Approved	Mechanical		
Date: <u> </u>	TCO		
Approved by: <u> </u>	Other		
SUBCODE APPROVAL: <u> </u>	Other		
☐ CO ☐ CCO ☐ CA	Other		
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

SIGNATURE

D. TECHNICAL SITE DATA

Description of Work

Water Supply Source
Method of Valve Supervision
Local Alarm Supervision
Central Supervision
Proprietary Supervision
Flammable Liquid Storage Tanks () Capacity Fuel
Combustible Liquid Storage Tanks () Capacity Fuel
L.P.G. Storage Tanks () Capacity Fuel
L.N.G. Storage Tanks () Capacity Fuel

FEE (Office Use Only)

Wet Sprinkler Heads Number
Dry Sprinkler Heads
TOTAL
Smoke Detectors SD 240 of 48
Heat Detectors Burners
TOTAL 35

Stand Pipes
Kitchen Hood Exhaust Systems

Pre-Engineered Systems

CO₂ Suppression
Halon Suppression
Foam Suppression
Dry Chemical
Wet Chemical

Gas or ☒ Fired Appliance
OTHER located on rooftop 4

Paid ☐ Check # Administrative Surcharge \$ 175
Minimum Fee \$
DCA Training Fee \$
Collected by: TOTAL FEE \$



**ELECTRICAL
SUBCODE
TECHNICAL SECTION**



Date Received
Date Issued
Control #
Permit #

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

Block 672 Lot 8
Work Site Location 51 Chambers Bridge Rd.
Bricktown N.J. 08723
Owner in Fee Trauts South Plainfield Inc.
Address 301 Blair Rd.
Woodbridge N.J. 07095
Tele. ()
Contractor BILLY Electric Inc.
Address 1039 Trelee Dr.
Toms River N.J. 08753
Tele. (908) 288-1250
Lic. No. 12751
Federal Emp. No. 22-330-2222 or Social Security No. _____
Use Group Present _____ Proposed _____
[] Pole/Pad # _____ [] Temporary [] Other _____
Building Occupied as Rickels Utility Co. _____
Est. Cost of Elec. Work \$ 2800.00

B. ELECTRICAL CHARACTERISTICS

PLAN REVIEW:		INSPECTIONS				
[] No Plans Required		Type:	Failure	Failure	Approval	Initial
Joint Plan Review Required:		Rough				
[] Bldg. [] Plumb.		Temporary				
[] Fire [] Elevator		Constr. Serv.				
[] Elec. Plans Approved		TCO				
Date: _____		Other				
Approved by: _____		Service				
SUBCODE APPROVAL		Final				
[] CO [] CCO [] CA		Temp. Cut-in-Card Date Issued				
Date: _____		Final Cut-in-Card Date Issued				
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.

☒ Licensed Electrical Contractor [] Exempt Applicant

D. TECHNICAL SITE DATA

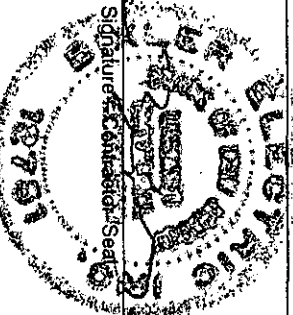
NO.	SIZE	ITEM
2		Fixtures (1)
2		Receptacles (2)
2		Switches (3)
6		Total 1 + 2 + 3
		Kw Range
		Kw Oven(s)
		Kw Surface Unit
		hp Dishwasher
		hp Garbage Disposal
		Kw Dryer
4		Kw AC Unit
		Burglar Alarms 2-20 ton replacements
		Intercoms Panels
		Smoke Detectors
		hp Whirlpool/spa
		Pool Bonding
		hp Pool Filter Motor
		Pool Lights
		Kw Water Heater(s)
		Central heat:
		oil, gas or elec.
		Kw Baseboard Heat Units
		Thermostats
		hp Heat Pump
		hp Pump(s)
		Amp Motor Control Center/Sub Panels
		Signs
		Light Standards
		hp Motors—Fractional H.P.
		hp Motors—All Others
		Kw Transformers
		Kw Generators
		Amp Service Entrance
		Other

Collected by: RF

Paid [] Check # 16103 Administrative Surcharge \$ 71-

DCA Training Fee \$ 2-

TOTAL FEE \$ 73-



BOCA® PLAN REVIEW RECORD

Valuation: _____

Plan Review # _____

Fee: _____

Date 5-7-97

NATIONAL BUILDING CODE
(All Articles except 24, 28, 29, 30, 31 and 32)

JURISDICTION PLbg

(City, County, Township, etc.)

BUILDING LOCATION 51 Chamber Bridge Rd

(Street address)

BUILDING DESCRIPTION Ruckel Store

REVIEWED BY [Signature]

Numerals indicated in parenthesis are applicable code sections of the 1987 BOCA National Building Code.

CORRECTION LIST

No.	DESCRIPTION	Code Section
	Waiting on engineered drawings for gas service	
	6-6-97	
	Call Mike	
	Re: This	
	(908) 530-8877	
	(initials)	

The plan review accomplished as indicated in this record is limited to those code sections specifically identified herein. Copyright, 1987, Building Officials and Code Administrators International, Inc. Reproduction by any means is prohibited. BOCA® is a trademark of Building Officials and Code Administrators International, Inc., and is registered in the U.S. Patent and Trademark Office. NOTE: In order that we might develop other programs and provide additional services of benefit to the Code Administration profession, please re-order additional copies of this form from:



BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL, INC.
4051 W. FLOSSMOOR ROAD COUNTRY CLUB HILLS, ILLINOIS 60477-5795

Memorandum

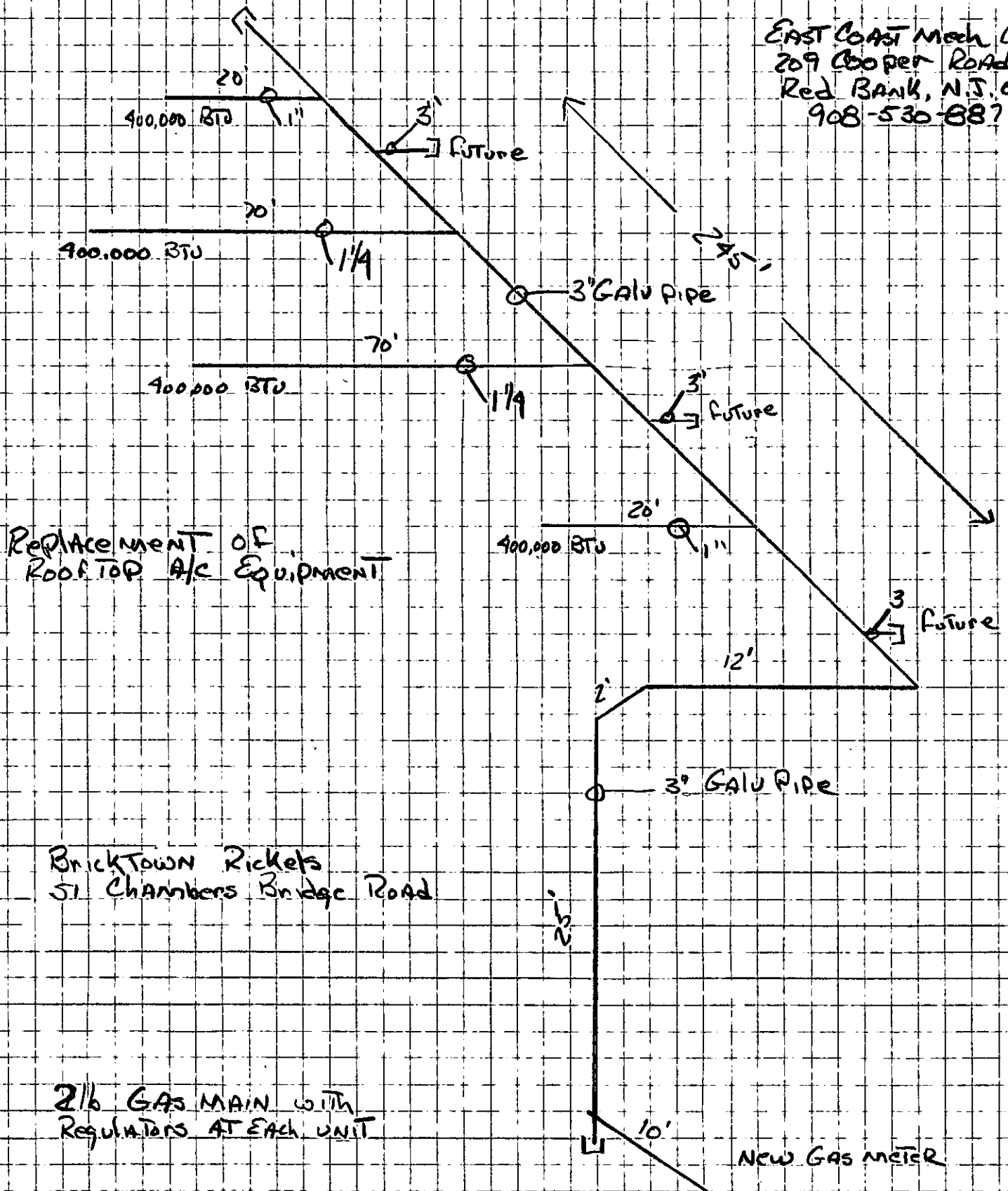
DATE: June 2, 1997
TO: Bernie Riley, Plumbing Code Official
FROM: David M. Masucci, P.E.
RE: Gas Piping at Rickels
CC: Mike, East Coast Mechanical

Attached is 2 sealed copies of the drawing for the proposed gas service piping for the Rickels store in Bricktown.

Sincerely,

David M. Masucci, P.E.

EAST COAST MECH CONTR
209 COOPER ROAD
RED BANK, N.J. 07701
908-530-8877



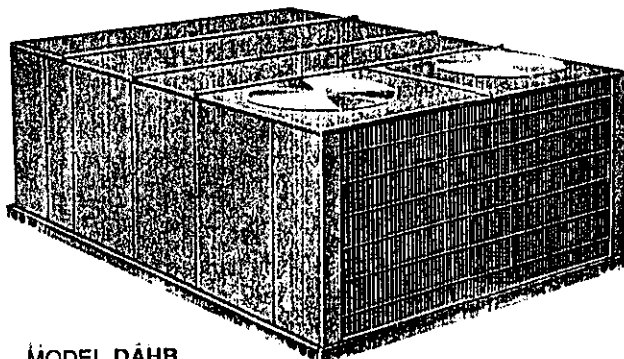
2 1/2" GAS MAIN WITH
REGULATORS AT EACH UNIT

PIPING PLACED ON PRESSURE
TREATED BLOCKING AND STRAPPED
& LABELED.

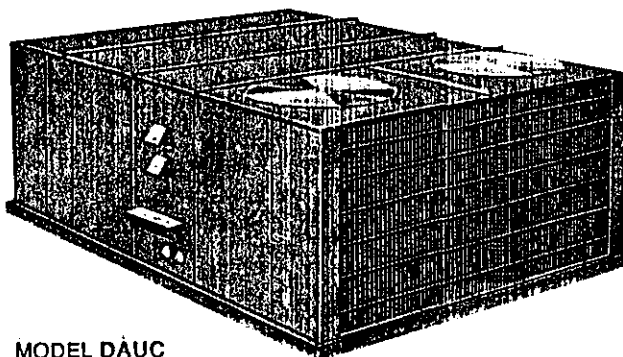
Fraser-Johnston®

SINGLE PACKAGE GAS / ELECTRIC UNITS AND SINGLE PACKAGE AIR CONDITIONERS

DAHB / DAUC 180 & 240
15 AND 20 NOMINAL TONS



MODEL DAHB



MODEL DAUC

DESCRIPTION

These units are the latest addition to this line of highly efficient, convertible rooftops. All models have dual refrigerant circuits for efficient part load operation. Although the units are primarily designed for curb mounting on a roof, they can also be slab-mounted at ground level or set on steel beams above a finished roof.

Cooling only, cooling with gas heat and cooling with electric heat models are available with several factory-mounted options and a wide variety of field-installed accessories to make them suitable for many different applications.

All units are self-contained and assembled on full perimeter base rails with holes in the four corners for overhead rigging.

Every unit is completely piped, wired, charged and tested at the factory to simplify the field installation and to provide years of dependable operation.

All models (including those with an economizer) are suitable for either bottom or horizontal duct connections. For bottom duct, you remove the sheet metal panels from the supply and return air openings through the base of the unit. For horizontal duct, you replace the supply and return air panels on the rear of the unit with a side duct flange accessory.

All models are available with two different outdoor air damper options:

- Single enthalpy economizer
- Motorized outdoor air damper

A fixed outdoor air intake assembly will be shipped in the return air compartment of all units ordered without an economizer or motorized outdoor air damper option. The assembly includes a rain hood with a damper that can be set for 10, 15 or 25% outdoor air. With bottom duct connections, the intake damper assembly should be mounted over the opening in the return air panel. With horizontal ductwork, it should be mounted on the return air duct.

All supply air blowers are equipped with a belt drive that can be adjusted to meet the exact requirements of the job. A high speed drive accessory is available for applications with a higher CFM and/or static pressure requirement.

Cont'd.

ELECTRICAL DATA -- Units With Electric Heat

MODEL DAHB	POWER SUPPLY	HEATER OPTION				MINIMUM CIRCUIT AMPACITY (AMPS)	MAXIMUM TIME DELAY FUSE SIZE (AMPS)	MINIMUM WIRE SIZE ² (AWG)	
		MODEL	KW ¹	STAGES	AMPS			60°C	75°C
-T180A	208-3-60	E018	13.5	1	37.5	87.1	100	2	—
		E036	27.0	2	75.1	114.7	125	—	2
		E054	40.6	2	112.6	161.6	175	—	00
		E072	54.1	2	150.1	171.0	200	—	00
	230-3-60	E018	18.0	1	43.3	84.9	100	3	—
		E036	36.0	2	86.6	127.3	150	—	1
		E054	54.0	2	129.9	148.9	175	—	0
		E072	72.0	2	173.2	192.2	225	—	000
-W180A	460-3-60	E018	18.0	1	21.7	42.4	50	6	—
		E036	36.0	2	43.3	83.6	70	4	—
		E054	54.0	2	65.0	74.5	90	3	—
		E072	72.0	2	86.6	96.1	110	1	—
-X180A	575-3-60	E018	18.0	1	17.3	33.9	40	8	—
		E036	36.0	2	34.6	50.9	60	6	—
		E054	54.0	2	52.0	59.6	70	4	—
		E072	72.0	2	69.3	76.9	90	3	—
-T240A	208-3-60	E018	13.5	1	37.5	115.1	125	—	1.
		E036	27.0	2	75.1	124.1	125	—	1
		E054	40.6	2	112.6	171.0	175	—	00
		E072	54.1	2	150.1	180.4	200	—	000
	230-3-60	E018	18.0	1	43.3	111.6	125	—	2
		E036	36.0	2	86.6	135.8	150	—	0
		E054	54.0	2	129.9	157.4	175	—	00
		E072	72.0	2	173.2	200.7	225	—	0000
-W240A	460-3-60	E018	18.0	1	21.7	55.8	60	4	—
		E036	36.0	2	43.3	67.9	70	4	—
		E054	54.0	2	65.0	78.7	90	3	—
		E072	72.0	2	86.6	100.4	110	—	2
-X240A	575-3-60	E018	18.0	1	17.3	44.8	50	6	—
		E036	36.0	2	34.6	54.6	60	6	—
		E054	54.0	2	52.0	63.2	70	4	—
		E072	72.0	2	69.3	80.5	90	3	—

¹ Electric Heat CORRECTION FACTORS:

NOMINAL VOLTAGE	VOLTAGE	KW CAP. MULTIPLIER
208	208	1.00
240	230	0.92
480	480	0.92
600	575	0.92

² Although these sizes are based on copper conductors, aluminum wire can be used. Refer to the National Electric Code (in U.S.A.) or the current Canadian Electrical Code (in Canada) to determine the proper size.

PHYSICAL DATA

BASIC UNITS

MODELS		DHB/DUC	
		180	240
EVAPORATOR BLOWER	CENTRIFUGAL BLOWER (Dia. x Wd. in.)	15 x 15	18 x 15
	FAN MOTOR HP	5	7.5
EVAPORATOR COIL	ROWS DEEP	4	4
	FINS PER INCH	15	15
	FACE AREA (Sq. Ft.)	15.5	20.5
CONDENSER FAN (Two Per Unit)	PROPELLER DIA. (in.) (Each)	30	30
	FAN MOTOR HP (Each)	1	1
	NOM. CFM TOTAL (Each)	6500	7200
CONDENSER COIL	ROWS DEEP	2	3
	FINS PER INCH	13	13
	FACE AREA (Sq. Ft.)	36.0	43.3
COMPRESSOR (Qty. Per Unit)	10-TON TANDEM	1	2
	5-TON HERMETIC	1*	—
AIR FILTERS	QUANTITY PER UNIT (16" X 20" X 2")	—	4
	QUANTITY PER UNIT (16" X 25" X 2")	—	4
	QUANTITY PER UNIT (18" X 24" X 2")	5	—
	TOTAL FACE AREA (sq. ft.)	15.0	20.0
CHARGE	REFRIGERANT 22 (lbs./oz.)	SYSTEM NO. 1	9/0
		SYSTEM NO. 2	17/8

* This compressor will be energized first.

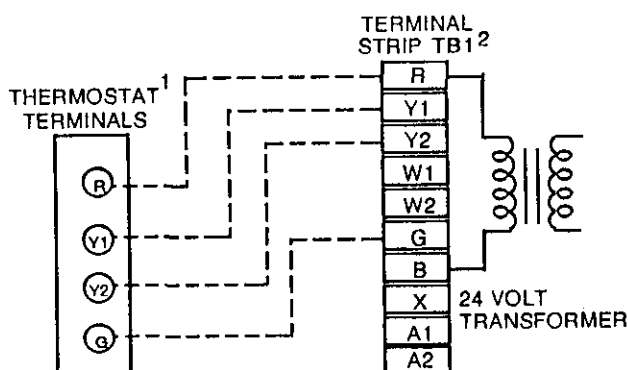
OPERATING WEIGHTS (LBS.)

MODEL SIZE		180	240
Basic Unit	DHB (Cooling only)	1900	2100
	DUC	N300	2100
	(Gas / Electric)	N400	2140
Options	Economizer	160	
	Motorized Damper	150	
	Electric Heater (DHB only)	18 KW	25
		36 KW	30
		54 KW	35
Accessories	72 KW	40	
	Roof Curb	175	185
	Barometric Damper	45	45
	Wood Skid	200	220

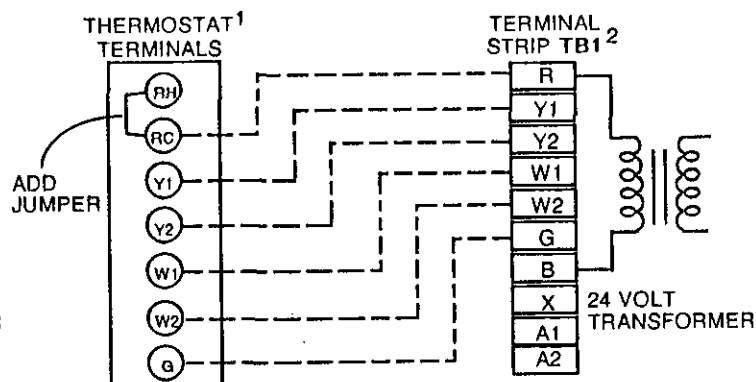
FIELD WIRING – DHB/DUC Electric/Electric and Gas/Electric Units

CONTROL WIRING

COOLING ONLY (24 VOLT THERMOSTAT)



COOLING / HEATING (24 VOLT THERMOSTAT)



¹ 24 Volt Thermostat 6TH04701724 with Subbase 2TB04700124.

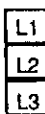
² Terminal strip TB1 – located on relay board in 24-volt section of the unit control box.

¹ 24 Volt Thermostat 6TH04701524 with Subbase 2TB04700224.

² Terminal strip TB1 – located on relay board in 24-volt section of the unit control box.

POWER WIRING

LINE VOLTAGE
TERMINAL
BLOCK 2TB
IN UNIT
CONTROL BOX



Refer to the
ELECTRICAL DATA
tables to size the
power wiring, the
fuses and the
disconnect switch.

GROUND LUG



ELECTRICAL DATA – Cooling Only Units And Units With Gas Heat

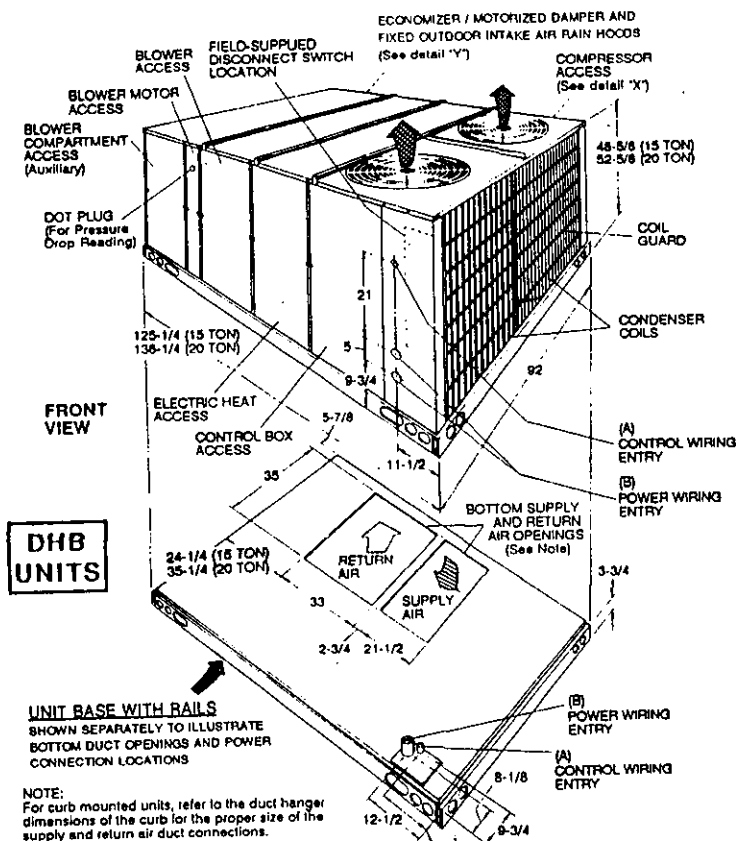
MODEL	POWER SUPPLY	COMPRESSORS				COND. FAN MOTORS (#1 & #2)		SUPPLY AIR BLOWER MOTOR		MINIMUM CIRCUIT AMPACITY (AMPS)	MAXIMUM TIME DELAY FUSE SIZE (AMPS)	MINIMUM WIRE SIZE (AWG)	
		#1		#2		HP EACH	FLA EACH	HP	FLA			60°C	75°C
		RLA	LRA	RLA	LRA								
DAHB180 DAUC180	208/230-3-60	19.2	124	38.4	248	1	4.1/4.2	5	15.4/14.4	87.1/84.9	100	2/3	—
	460-3-60	9.6	62	19.2	124	1	2.1	5	7.2	42.4	50	6	—
	575-3-60	7.7	50	15.4	100	1	2.0	5	5.9	33.9	40	8	—
DAHB240 DAUC240	208/230-3-60	38.4	248	38.4	248	1	4.1/4.2	7.5	21.0/19.4	115.1/111.6	125	—	1/2
	460-3-60	19.2	124	19.2	124	1	2.1	7.5	9.7	55.8	60	4	—
	575-3-60	15.4	100	15.4	100	1	2.0	7.5	7.8	44.8	50	6	—

* Although these sizes are based on copper conductors, aluminum wire can be used. Refer to the National Electric Code (in U.S.A.) or the current Canadian Electrical Code (in Canada) to determine the proper size.

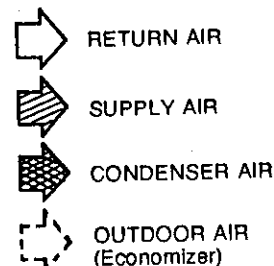
VOLTAGE LIMITATIONS	POWER SUPPLY	VOLTAGE	
		MIN.	MAX.
	208/230-3-60 460-3-60 575-3-60	187 414 518	253 504 630

Utilization Range "A" in accordance with ARI Standard 110.

UNIT DIMENSIONS (DHB and DUC - 15 & 20 TON)



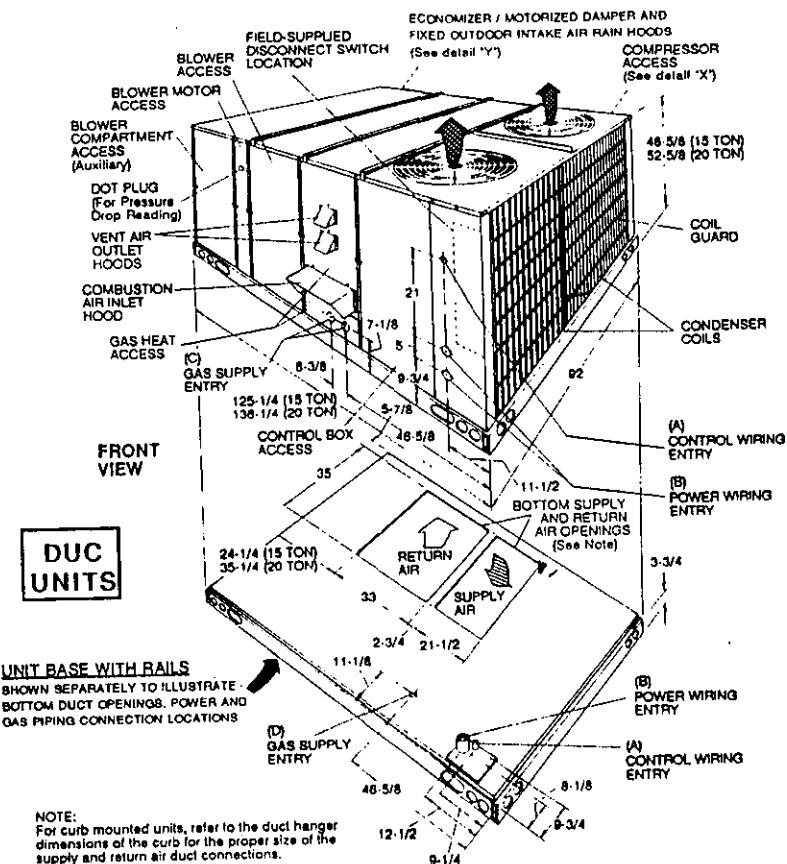
All dimensions are in inches. They are subject to change without notice. Certified dimensions will be provided upon request.



UTILITIES ENTRY DATA

HOLE	OPENING SIZE (DIA.)	USED FOR	
A	1-1/8" KO	Control Wiring	Front
	3/4" NPS (Fem.)	Control Wiring	Bottom
B	3-5/8" KO	Power Wiring	Front
	3" NPS (Fem.)	Power Wiring	Bottom
C	2-3/8" KO	Gas Piping (Front)	
D	1-11/16" Hole	Gas Piping (Bottom)*	

* Opening in the bottom of the unit can be located by the slice in the insulation.



CLEARANCES

Front	36"
Back	24" (Less Economizer) 49" (With Economizer)
Left Side (Filter Access)	24"
Right Side (Cond. Coil)	36"
Below Unit ¹	0"
Above Unit ²	60" with 36" maximum Horizontal Overhang (For Condenser Air Discharge)

¹ Units (applicable in U.S.A. only) may be installed on combustible floors made from wood or class A, B or C roof covering material.

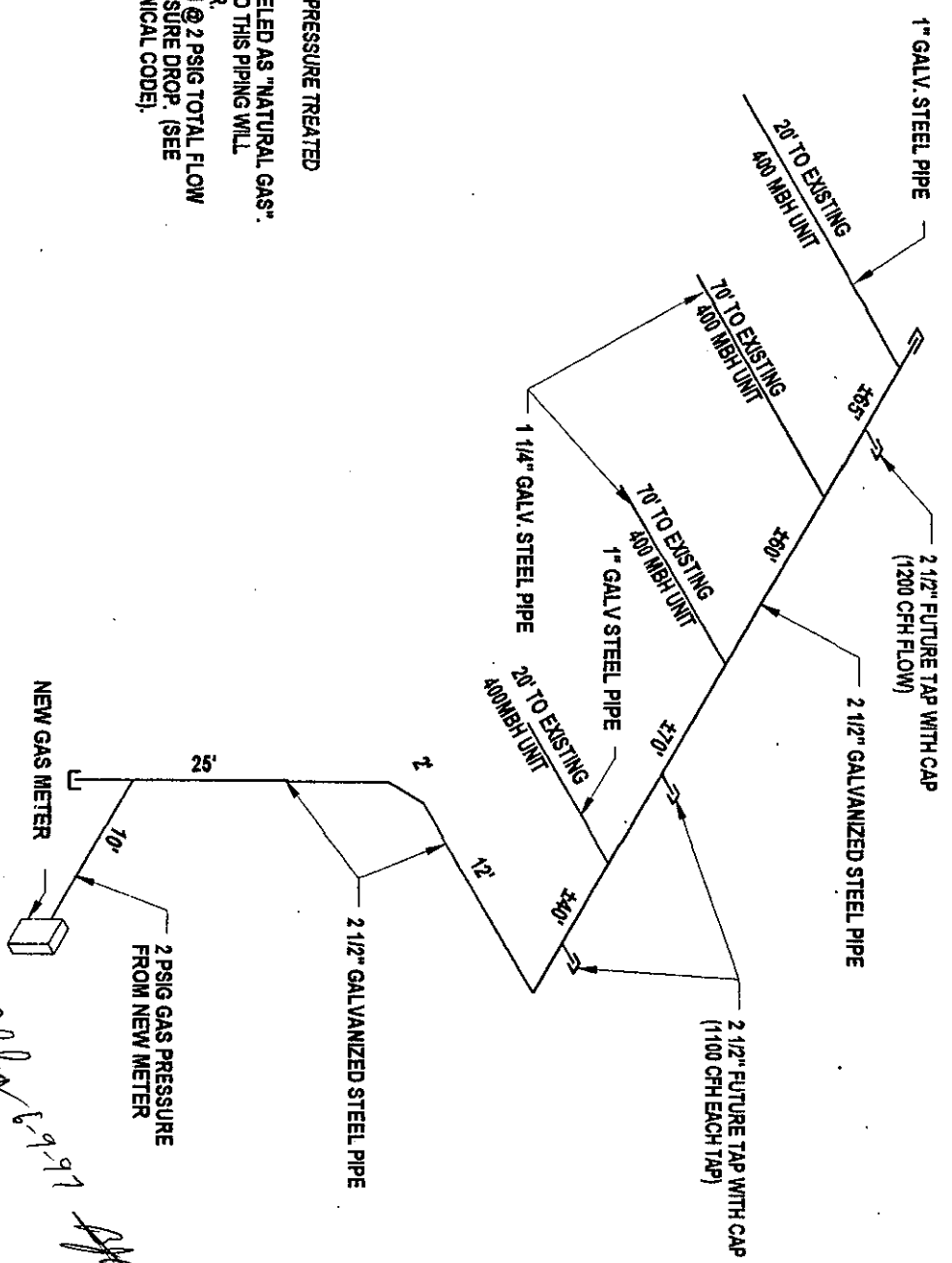
² Units must be installed outdoors. Overhanging structures or shrubs should not obstruct condenser air discharge outlet.

NOTE:
DHB Models: Units and ductwork are approved for zero clearance to combustible materials when equipped with electric heaters.
DUC Models: A 1" clearance must be provided between any combustible material and the supply air ductwork for a distance of 3 feet from the unit.

The products of combustion must not be allowed to accumulate within a confined space and recirculate.

Locate the unit so that the vent air outlet hoods are at least:
• 3 feet above any forced air inlet located within 10 horizontal feet (excluding those integral to the unit).
• 4 feet below, 4 horizontal feet from, or 1 foot above any door or gravity air inlet into the building.
• 4 feet from electric meters, gas meters, regulators and relief equipment.

- NOTES:
1. PIPING WILL BE SUPPORTED ON PRESSURE TREATED LUMBER.
 2. PIPING WILL BE CLEARLY LABELED AS "NATURAL GAS".
 3. ALL APPLIANCES CONNECTED TO THIS PIPING WILL REQUIRE A PRESSURE REGULATOR.
 4. DESIGN IS BASED ON 5000 CFH @ 2 PSIG TOTAL FLOW WITH 1.5 PSIG ALLOWABLE PRESSURE DROP. (SEE TABLE M805.4.1(9) BOCA MECHANICAL CODE).



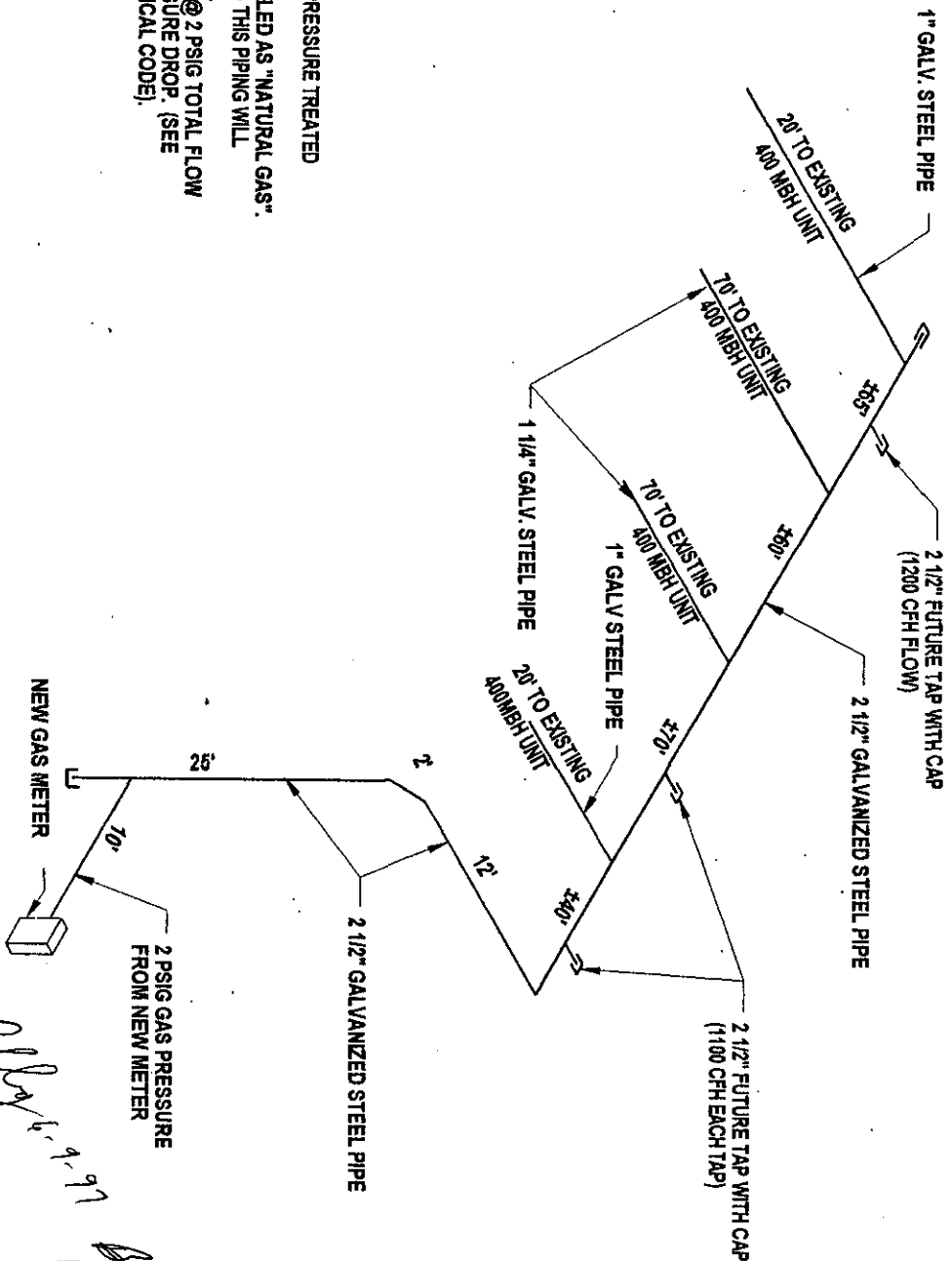
DAVID M. MASUCCI, P.E.
 99 WOODLAND AVE. FANWOOD, NJ 07023

(908) 889-7305

N. J. LICENSE # 22860

PROJECT:		RICKELS HOME/CENTER	
BRICKTOWN, NJ		TITLE:	
2 PSIG PRESSURE GAS SERVICE PIPING		SCALE: NONE	
DATE: 5/16/97		DATE: 5/16/97	
SHEET: A1		SHEET: A1	
DESIGNED BY: D. M. MASUCCI		DATE: 5/16/97	
APPROVED BY:		DATE: 5/16/97	
NO. 1		DATE: 5/16/97	
0		DATE: 5/16/97	
ADDED NOTE 4 AND FUTURE TAP CAPACITIES		DATE: 5/16/97	
ISSUED FOR CONSTRUCTION		DATE: 5/16/97	
DRAWN BY:		DATE: 5/16/97	
REVISION		DATE: 5/16/97	

- NOTES:
1. PIPING WILL BE SUPPORTED ON PRESSURE TREATED LUMBER.
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DAVID M. MASUCCI, P.E.
99 WOODLAND AVE. FANWOOD, NJ 07023

(908) 889-7305
 N. J. LICENSE # 22860

NO.	1	ADDED NOTE 4 AND FUTURE TAP CAPACITIES	6/1/97
NO.	0	ISSUED FOR CONSTRUCTION	5/16/97

DESIGNED BY:	D. M. MASUCCI	DATE:	5/16/97
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APPROVED BY:		DATE:	
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PROJECT: RICKELS HOME CENTER
BRICKTOWN, NJ

TITLE: 2 PSIG PRESSURE GAS SERVICE PIPING

SCALE	NONE	DATE	5/16/97	SHEET	A1
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EAST COAST MECHANICAL CONTRACTORS, INC.
Township of Bricktown
Permits

6/9/97

7215
342.00

Checking

Trauts - Rickel Home Center Permits

342.00

COMPLETED

Applicable to Ordinance 728-92
This form must be handed in with permit application or a permit will not be issued.

TOWNSHIP OF BRICK

Rickels 51 Chambers Bridge Rd. 672 8
Work Site Address Block Lot

TRAUTS S. Plantfield Inc 301 BLAIR RD Woodbridge N.J 07095
Owner's Name, Address, Phone (908) 668-7096

EAST COAST Mechanical Contractors 209 Cooper Rd. Red Bank N.J 07701
Contractor's Name, Address, Phone (908) 530-8877

Construction N/A
Describe type (Single -family home, etc.)

Demolition N/A
Describe type (Structure, roof, siding, etc.)

Describe type and estimated quantity of material 4 Rooftop Heating and Air Conditioning Units

Name, address and phone of party responsible for removal of debris:
Red Bank Recycle PO Box 2126 64 Central Ave Red Bank NJ 07701

Size of dumpster: N/A

Destination of discarded debris: 64 Central Ave Red Bank NJ 07701

Hauler's DEP Permit No.: 8823

**Note: Any recyclable material, including, but not limited to: corrugated cardboard, vegetative waste, concrete, asphalt, clean wood, etc., must be delivered to an approved recycling center, and receipts provided to the Township of Brick along with tipping receipts for non-recyclable material.

Generator's Certification: Under penalty of criminal and civil prosecution, for the making or submissin of false statements, representations or omissions, I declare, on behalf of the generator that the contents of this document are fully and accurately described above and have been disposed or recycled in accordance with all applicable State and Federal laws and regulations, and that I have been authorized, in writing, to make such declarations by the person in charge of the generator's operation.

Michael Chiofalo MU CHA 5/6/97
Printed/Typed Name Signature Date

FOR OFFICE USE ONLY

MUST BE COMPLETED BEFORE CERTIFICATE OF OCCUPANCY OR CERTIFICATION OF APPROVAL IS ISSUED

Recycling tonnage receipts attached?

Certified tipping receipts attached?

**Note: Receipts must show certified weights, date of disposal and name and address of disposal center.

- DISTRIBUTION LIST:
1. Original to Code Enforcement Officer
2. Construction Code Office
3. Applicant