

LDS BR 10625703

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 Edward J. Scafiro Date 2/29/02

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 _____

Address _____

Telephone (_____) _____

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.									
☐									
☐									

IMPORTANT
A.H.B.T. - EXEMPT

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

Name of Code & Edition	Name of Code & Edition
Building _____	Energy _____
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 DRIVE RD
DIVISION OF INSPECTIONS

Date Issued 04/23/2002
Control #
Permit 0 02-1290

UNION NEW JERSEY
CONSTRUCTION
PERMITS

IDENTIFICATION Block 835 Lot 18

Equal

Work Site Location 1679 WEST PRINCETON AVE

ADDITION & GARAGE ADDITION

Owner in Fee SERAFIN JR, EDWARD

Address SAME

BRICK, NJ 08724-

Telephone

Contractor H O M E O W N E R

Address

Telephone ()

Lic. No. or Bldgs. Reg. No.

Federal Emp. No. HD-

Is hereby granted permission to perform the following work:

- (X) BUILDING (X) LEAD HAZARD ABATEMENT
(X) ELECTRICAL (X) FIRE PROTECTION (X) DEMOLITION
(X) ELEVATOR DEVICES (X) ASBESTOS ABATEMENT (X) OTHER

(Subchapter B only)

DESCRIPTION OF WORK:

REMOVE DECK & OVERHANGS FROM HOUSE; 23X23 REAR ADDITION; 1/2 BATH (NEW)
FAMILY ROOM W/ 40X FIREPLACE & REAR ENTRY AREA; 14X14 SCREENED PORCH;
17X32 GARAGE CONNECTED BY SHALL ROOF FORMING OPEN BREZELCHAY

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 \$ 28,410

Construction Official

04/23/2002

Date

PAYMENTS (Office Use Only)

Building 486
Electrical 103
Plumbing 0
Fire Protection 46
Elevator Devices 0
Other 0
DCA Training Fee 30
Cert. of Occupancy 35
Author 200
Total 750
Check No. 101
Cash
Collected By ERP

4/23/02 7:54 AM 0000004192

0707 SERV.007

0021790
BUILDING 4486.00
ELECTRIC 4103.00
FIRE 346.00
DCA 430.00
C/O 435.00
ZPA 415.00
EPA 515.00
CHECK 6730.00

TOWNSHIP OF BRICK
401 CHARGES BRIDGE RD
DIVISION OF INSPECTIONS

Update Issued 08/19/2002
Control #
Permit 0 02-12904
Permit Issued 08/25/2002

NEW JERSEY
PERMIT UPDATE

IDENTIFICATION Sheet 825 Lot 18

Plot Site Location 1677 WEST PRINCETON AVE
Address 3500710 RD, EDWARDS
Address 575
BRICK, NJ 08734
Telephone

Contractor ALLENS PLUMBING & HEATING
Address 9 HILL ST
Telephone 732-223-2335
Lic. No. of Bldgs. Reg. No. 11072
Federal Eq. No. 14-356805

Is hereby granted permission to perform the following work:
☐ PLUMBING ☐ LEAD PAINTED ABATEMENT
☐ ELECTRICAL ☐ FIRE PROTECTION ☐ DEMOLITION
☐ ELEVATOR DEVICES ☐ ASBESTOS ABATEMENT ☐ OTHER
(Subchapter 8 only)

PAYMENTS (Office Use Only)
Building _____
Electrical _____
Plumbing _____
Fire Protection _____
Elevator Devices _____
Other _____
BNA Training Fee _____
Cert. of Occupancy _____
Other _____
Total _____
Check No. 1127622
Cash _____
Collected By _____

Estimated Cost of Work \$ 2,100
Construction Official
08/19/2002
U.C.C. #190 (rev. 3/93)

Date

08/20/02
PLUMBING
FOR
CHECK
\$2,100
\$2,100.00

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
BUILDING
SUBCODE
TECHNICAL SECTION

Date Received 03/06/2002
Date Issued 7/29/02
Control # 41-18
Permit # 02-1290

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

Block 836 Lot 18 Quad
Work Site Location 1679 WEST PRINCETON AVE
ADDITION & GARAGE ADDITIO

Owner in Fee SERAFIN JR. EDWARD

Address SAME

BRICK, NJ 08724-

Tel. [REDACTED]

Contractor [REDACTED]

Address [REDACTED]

Tele. () Fax ()

Lic. No. of Bldgs. Reg. No.

Federal Emp. No. HC-

JOB SUMMARY (Office Use Only)

PLAN REVIEW Date Initial

☒ No Plans Req. 4-19-02 [Signature]

☒ All

☐ Footing

☐ Foundation

☐ Frame

☐ Other

Joint Plan Review Required:

☐ Elect ☐ Plumb ☐ Fire

SUBCODE APPROVAL ☐ Elev

☐ CO ☐ CCO ☐ CA

Date:

Approved By:

INSPECTIONS

Type

Footing

Foundation

Slab

Frame

BarrierFree

Insulation

Finishes

Energy

Mechanical

TCO

Other

Final

BarrierFree

Dates (Month/Day)

Failure Failure Approval Initial

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

REMOVE DECK & OVERHANG FROM HOUSE. 25X25 REAR ADDITION; 1/2 BATH NEW
FAMILY ROOM W/ GAS FIREPLACE & REAR ENTRY AREA; 14X14 SCREENED PORCH;
17X32 GARAGE CONNECTED BY SMALL ROOF FORMING OPEN BREZZEWAY

TYPE OF WORK

☐ New Building

☒ Addition

☒ Alteration

☐ Roofing

☐ Siding

☐ Fence

☐ Sign

☐ Pool

☐ Asbestos Abatement Subchapter 8

☐ Lead Haz. Abatement NJAC 5:17

☐ Other

☐ Other

☐ Demolition

FEE (Office Use Only)

\$

468

18

0

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TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
BUILDING
SUBCODE
TECHNICAL SECTION

Date Received 03/06/2002
Date Issued 3/14/02
Control # 44-18-
Permit # 020602

A. IDENTIFICATION-APPLICANT: COMPLETE ALL APPLICABLE INFORMATION, WHEN CHANGING
CONTRACTORS. NOTIFY THIS OFFICE CALL UTILITY DIS NO: 1-800-372-1000

Block #36 Lot 10 (sub)
Work Site Location 1679 WEST PRINCETON AVE
ADDITION 2 GARAGE ADDITION

Owner In Fee SEPARIN JR, EDWARD

Address SAME

BRICK, NJ 08724-

Contractor

Address

Per 1

Lic. No. or Bldg. Reg. No.

Federal Emp. No. B-

JOB SUMMARY (Office Use Only)

PLAN REVIEW Date Initial

No Plans Eng 4-19-02 EMP

Roofing

Foundation

Frame

Other

Joint Plan Review Required:

1 Elect 1 Flood 1 Fire

SUBCODE APPROVAL 1 Elev

1 CO 1 CCO 1 CA

Date:

Approved By:

INSPECTIONS

Type

Footings

Foundation

Slab

Frame

BarrierFree

Insulation

Finishes

Energy

Mechanical

CO

Other

Final

BarrierFree

Dates (Month/Day)

Failure Failure Approval Initial

Failure Failure Approval Initial

Failure Failure Approval Initial

Failure Failure Approval Initial

Failure Failure Approval Initial

Failure Failure Approval Initial

Failure Failure Approval Initial

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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

REMOVE DECK & OVERHANG FROM HOUSE. 25X25 REAR ADDITION; 1/2 BATH NEW
FAMILY ROOM W/ GAS FIREPLACE & REAR ENTRY AREA; 14X14 SCREENED PORCH;
17X22 GARAGE CONNECTED BY SMALL ROOF PENNING OPEN BREZEWAY

TYPE OF WORK

1 New Building

2 Addition

3 Alteration

4 Other

5 Other

6 Other

7 Other

8 Other

9 Other

10 Other

11 Other

12 Other

13 Other

14 Other

15 Other

16 Other

17 Other

18 Other

19 Other

20 Other

FEE (Office Use Only)

1

2

3

4

5

6

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8

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11

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13

14

15

16

17

18

19

20

B. BUILDING CHARACTERISTICS

Use Group Present P-3 Proposed P-3

Const. Class Present Proposed

No. of Stories 1

Height of Structure 16 Ft.

Area Largest Floor 1,750 Sq. Ft.

New Bldg. Area/All Floors 1,150 Sq. Ft.

Volume of New Structure 18,704 Cu. Ft.

Total Land Area Disturbed 2.54 Ac. RT.

Est. Cost of Bldg. Work:

1. New Bldg. 3 18,000

2. Alteration 1 500

3. Total (1+2) 3 18,500

Industrialized Building:

1 State Approved

2 HUD

Administrative Surcharge

Minimus Fee

TOTAL FEE

DCS Training Fee

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
ELECTRICAL
SUBCODE
TECHNICAL SECTION

Date Received 03/06/2002
Date Issued 4/15/02
Control # 644-18
Permit # 02-1290

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

Block 836 Lot 18 Parcel
Work Site Location 1679 WEST PRINCETON AVE
ADDITION & GARAGE ADDITION
Owner in Fee SERAFIN JR, EDWARD
Address SAME
BRICK, NJ 08724-
Tele [REDACTED] as [REDACTED]
Contractor ERIC GLASSON ELECTRIC CO
Address 451 NORTHAMPTON BLVD.
TOMS RIVER, NJ 08757-
Tele (732) 505-1636
Lic. No. or Bldgs. Reg. No. 113508
Federal Emp. No. 22-3399001

B. ELECTRICAL CHARACTERISTICS
Use Group - Present R-3 Proposed R-3
[] Pole/Pad [] Temporary [] Other
Building Occupied as Utility Co.
Estimated Cost of Electrical Work \$ 2,000

JOB SUMMARY (Office Use Only)
PLAN REVIEW
Joint Plan Review Required:
[] Bldg [] Plumb
[] Fire [] Elevator
[] Select Plans Approved
Date: 1/10/02
Approved By: [Signature]
SUBCODE APPROVAL
[] CO [] CCU [] CA
Date: _____
Approved By: _____

C. CERTIFICATION IN LIEU OF OATH
I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.
Applicant's Signature/Contractor's Seal and Signature
[] Licensed Electrical Contractor [] Exempt Applicant

D. TECHNICAL SITE DATA

NO.	SIZE	ITEM	PER (Office Use Only)
29		Lighting Fixtures	
24		Receptacles	
18		Switches	
0		Detectors	
0		Light Poles	
0		Motors-Fract HP	
0		Emergency & Exit Lights	
0		Communications Points	
0		Alarm Devices/F.A.C. Panel	
71		TOTAL NUMBERS	43
0		Pool Permit/with UV Lights	0
0		Storable Pool/Spa/Hot Tub	0
0		KW Elect Range/Receptacle	0
0		KW Oven/Surface Unit	0
0		KW Elect Water Heater	0
0		KW Elect Dryer/Receptacle	0
0		KW Dishwasher	0
0		HP Garbage Disposal	0
0		KW Central A/C Unit	0
1		HP/KW Space Heater/Air Handler	0
0		Baseboard Heat	0
0		HP Motors 1/4 HP	0
0		KW Transformer/Generator	0
0		AMP Service	0
0		AMP Subpanels	40
0		AMP Motor Control Center	0
0		KW Elect Sign/Outline Light	0
0		Other	0
0		Other	0

Administrative Surcharge \$ 0
Paid [] Check # _____
Collected by: _____
Minimum Fee \$ 0
TOTAL FEE \$ 102
OCA Training Fee \$ 0
U.C.C. F120 (rev. 3/96)

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
ELECTRICAL
SUBCODE
TECHNICAL SECTION

Date Received 08/06/2002
Date Issued 8/17/02
Control # CLE-18
Permit # 12-1390

A. IDENTIFICATION-APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL OFFICE: 1-800-272-1000

D. TECHNICAL SITE DATA

FEB 10/100 Use only

Block 23 Lot 12

Work Site Location 1679 WEST FAIRVIEW AVE

ADDITION & GARAGE ADDITION

Owner in Fee SERAFIN JR. EDWARD

Address SAME

BRICK, NJ 08724-

Contractor ERIC GLASSON ELECTRIC CO

Address 451 MONTMARTIN BLVD.

TOWNSHIP OF BRICK, NJ 08724-

Phone (732) 501-1636

Lic. No. of Electrician Reg. No. 113508

Federal Emp. No. 22-399091

E. ELECTRICAL CHARACTERISTICS

Use Group - Present P-3 Proposed R-3

Building Occupied as Temporary Other

Estimated Cost of Electrical Work \$ 2,080

F. JOB SUMMARY (Office Use Only)

PLAN REVIEW

Joint Plan Review Required

Joint Plan Review Required:

1 Bid 1 Plan

1 Fire 1 Elevator

1 Effect Plans Approved

Date: 8/1/02

Approved By: [Signature]

SPRINKLER APPROVAL

1 CO 1 COG 1 CA

Date: _____

Approved By: _____

INSPECTIONS

Type Rough

Temp Serv

Panel Serv

TCC

Other

Service

Final

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

22 Lighting Fixtures

24 Receptacles

12 Switches

0 Detectors

0 Light Poles

0 Motors-Frac 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 HF Garbage Disposal

0 KW Central A/C Unit

0 HP/KV Space Heater Air Handler

0 Baseboard Heat

0 HP Motors 1/2 HP

0 KW Transformer/Generator

0 AMP Service

0 AMP Panels

0 AMP Motor Control Center

0 KW Elect Sign/Outline Light

0 Other

0 Other

Administrative Surcharge \$

Mail Fee \$

TOTAL FEE \$

PCA Training Fee \$

U.C.C. P10-1000 3/95

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
FIRE PROTECTION
SECTION
TECHNICAL SECTION

Date Received 03/06/2002
Date Issued 4/12/02
Control # C-1-18
Permit # 02-1290

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

Block 836 Lot 18

Work Site Location 1679 WEST PRINCETON AVE

ADDITION & GARAGE ADDITIO

Owner in Fee SERAFIN JR, EDWARD

Address SAME

BRICK, NJ 08724-

Tele. () Fax ()

Contractor

Address

Tele. ()

Lic. No. or Bldgs. Reg. No.

Federal Emp. No. HO-

B. FIRE PROTECTION CHARACTERISTICS

Use Group Present R-3 Proposed R-3

Const. Class Present Proposed

Heating Systems () New (X) Existing () HVAC

Type: (X) Gas () Oil () Elect () Solar

() Other

Location:

Total Est Cost of Fire Prot Work \$ 10

JOB SUMMARY (Office Use Only)

PLAN REVIEW

() No Plans Required

Joint Plan Review Required: AS

() Bldg () Elect

() Plumb () Elevator

Fire Plans Approved

Date: 4-15-02

Approved By: [Signature]

SUBCODE APPROVAL

() CO () CCO () CA

Date:

Approved By:

INSPECTIONS

Type

Alarm Sys

Suppr Test

Standpipe

Fire Pump

Prefng Sys

Mechanical

Smoke Ctl

TCO

Final

Other

Dates (Month/Day)

Failure Failure Approval Initial

Fire Alarm System

New () Existing ()

Location of Panel:

Fire Suppression/Standpipe Sys

New () Existing ()

Location of Main Control Valve

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 0

Dry Pipe/Alarm Valves 0

Pre-action Valves 0

Sprinkler Heads (Dry and Wet) 0

Standpipes 0

Pre-Engineered Systems

Wet Chemical 0

Dry Chemical 0

CO2 Suppression 0

Foam Suppression 0

Halon Suppression 0

Other 0

Kitchen Hood Exhaust System

Smoke Control System

Gas () or Oil () Fired Appliances

Other GAS FIREPLACE

Other

FEE (Office Use Only)

Paid () Check \$ Administrative Surcharge \$ 0
Minimum Fee \$ 0
Collected by: TOTAL FEE \$ 46
DCA Training Fee \$ 0

Signature

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
FIRE PROTECTION
SUBCODE
TECHNICAL SECTION

Date Received 03/06/2002
Date Issued 4/12/02
Control # C1-18
Permit # 02-1390

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

Block 836 Lot 18 Quad
Work Site Location 1679 WEST PRINCETON AVE
ADDITION & GARAGE ADDITIO
Owner in Fee SERAFIN JR. EDWARD
Address SAME
BRICK, NJ 08724-
Tele. () Fax ()
Contractor
Address
Tele. ()
Lic. No. or Bldgs. Reg. No.
Federal Emp. No. NO-

B. FIRE PROTECTION CHARACTERISTICS

Use Group Present R-3 Proposed R-1
Constr Class Present Proposed
Heating Systems () New (X) Existing () HVAC
Type: (X) Gas () Oil () Elect () Solar
() Other
Location:
Total Est Cost of Fire Prot Work \$ 10

JOB SUMMARY (Office Use Only)

PLAN REVIEW
() No Plans Required
Joint Plan Review Required: AS
Type INSPECTIONS
Failure Failure Approval Initial

() Bldg () Elect
() Plumb () Elevator
Fire Alarm Sys
Standpipe
Fire Pump
PreEng Sys
Mechanical
Smoke Ctl
TCO
Final
Other

Approved By: *AS*
SUBCODE APPROVAL
() CO () CCO () CA
Date:
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.

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, pull, water/flood)
Supervisory Devices (tamper, low/high air)
Signalling Devices (horn/strobes, bells)
Other Devices
TOTAL

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

Kitchen Hood Exhaust System
Smoke Control System
Gas () or Oil () Fired Appliances
Other GAS FIREPLACE
Other

Paid () Check \$
Collected by:
Administrative Surcharge \$
Minimum Fee \$
TOTAL FEE \$
BCA Training Fee \$

FEE (Office Use Only)

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC/NEW JERSEY
FIRE PROTECTION
SUBCODE
TECHNICAL SECTION

Date Received 03/06/2002
Date Issued 4/12/02
Control # CH-18
Permit # 2-1290

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

Block 236 Lot 10 Quad 1
Work Site Location 1679 WEST PRINCETON AVE
ADDITION & GARAGE APPLN
Owner in Fee SECTION JR. EPICARD
Address 348E
PRICK, NJ 08724
Phone () Fax ()
Contractor
Address
Telephone ()
Lic. No. or Elics. Reg. No.
Federal Emp. No. EIC.

B. FIRE PROTECTION CHARACTERISTICS

Use Group Frequent P-1 Proposed P-1
Const. Class Present Proposed
Existing Systems () New (X) Existing () HVAC
Type: (X) Gas () Oil () Electric () Solar
() Other
Location:
Total Est Cost of Fire Prot Work \$ 10

JOB SUMMARY (Office Use Only)

PLAN REVIEW
() No Plans Required
Joint Plan Review Required: Type
() Alarm Sys
() Supp Test
() Standpipe
() Fire Pump
() Fire Dept Sys
() Mechanical
() Smoke Ctl
() TCO
() Final
() Other

Approved By: *DB*
SUBCODE APPROVAL
Date: 3/1/02
Approved By: *DB*
Date: 3/1/02

CERTIFICATION IN LIEU OF OATH
I hereby certify that I am the agent of record and am authorized
to make this application.

D. TECHNICAL SITE DATA

Description of Work
Water Supply Source
Method of Alarm/Supp Sys Support

Storage Tanks
Type: () Flammable Liquid () Combust Liquid
() LFC () LNG Capacity 0 Fuel
Alarm Systems () Interconnected NUMBER

Alarm Devices/Smoke, heat, pull, water/flood
Supervisory Devices (tamper, low/high air)
Signaling Devices (horn/strobes, bells)
Other Devices
TOTAL

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

Kitchen Hood Exhaust System
Smoke Control System
Gas () or Oil () Fired Appliances
Other GAS FIREPLACE
Other

Paid () Check \$
Collected by: *DB*
Administrative Surcharges
Minimum Fee
TOTAL FEE
OCA Training Fee

FEE (Office Use Only)

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
PLUMBING
SUBCODE
TECHNICAL SECTION

Date Received 03/06/2003
Date Issued 8/14/03
Control # C11-18-108
Permit # 02-1290+4

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

D. TECHNICAL SITE DATA (List all fixtures.)

Block 836 Lot 18 Quasi
Work Site Location 1679 WEST PRINCETON AVE
ADDITION & GARAGE ADDITIO

Owner in Fee SEAFIN JR. EDWARD

Address SAME

BRICK, NJ 08724-

Tele. [redacted] Fax [redacted]

Contractor ALIENS PLUMBING & HEATING

Address 9 MAIN ST

HAHASQUAH, NJ 08736-

Tele. (732) 221-3345

Lic. No. or Bldgs. Reg. No. 11073

Federal Emp. No. 14-3568838

D. PLUMBING CHARACTERISTICS

Use Group Present P-3 Proposed P-3
Building Sewer Size [] Public Sewer [] Private Septic
Water Sewer Size [] Public Water [] Private Well
Estimated Cost of Plumbing Work \$ 2,100

JOB SUMMARY (Office Use Only)

INSPECTIONS

PLAN REVIEW [] No Plans Required [] Type Failure Failure Approval Initial

Joint Plan Review Required:

[] Bldg [] Elect [] Slab [] Rough [] Water [] Sewer [] Fixtures [] Gas Equip. [] Gas Piping [] Solar [] TCO

[] Fire [] Elevator

[] P/Ind. Plans Approved

Date: 8/14/03

Approved By: [Signature]

SUBCODE APPROVAL

[] CO [] CCO [] CA

Approved By: [Signature]

Date: [redacted]

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

NO. FIXTURE/EQUIPMENT FEE (Office Use Only)

1	Water Closet	10
0	Urinal / Bidet	0
0	Bath Tub	0
0	Laundry	10
1	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	25
0	Steam Boiler	0
0	Hot Water Boiler	0
0	Sewer Pump	0
0	Interceptor / Separator	0
0	Backflow Preventer	0
0	Dreasetrap	0
0	Sewer Connection	0
0	Water Service Connection	0
0	Stacks	0
0	other A/C	32
0	other	0

Paid [] Check \$ [redacted]
Collected by: [redacted]
Administrative Surcharge \$ 0
Minimum Fee \$ 0
TOTAL FEE \$ 30
PCA Training Fee \$ 2

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
PLUMBING
SUBCODE
TECHNICAL SECTION

Date Received 03/06/2002
Date Issued 8/14/02
Control # C11-18-190+4
Permit # 08-1290+4

A. IDENTIFICATION-APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITIES DIG NO. 1-800-372-1000

B. TECHNICAL SITE DATA (List all fixtures.)

Block 036 Lot 10 (cont)

Sub Site Location 1679 WEST PRINCETON AVE

ADDITIONAL GARAGE ADDITION

Owner 1679 WEST PRINCETON AVE, NEWARK

Address SAME

BRICK, NJ 07024

Telephone [REDACTED]

Contractor ALLEN'S PLUMBING & HEATING

Address 9 HAWTHORNE ST

NEWARK, NJ 07102

Telephone 733-2223

Lic. No. of Plumber, Reg. No. 11073

Federal Emp. No. 14-3569832

C. FACTORY MANUFACTURED
Use Group Present P-3 Proposed R-3
Building Under Alt. [] Public Sewer [] Private Septic
Water Sewer Size [] Public Water [] Private Well
Estimated Cost of Plumbing Work \$ 2,100

USE SUBMITTAL (Office Use Only)

PLUMBING

[] No Plans Required

Joint Also Review Required.

[] Bid [] Check

[] Fire [] Elevator

[] Tech. Plans Approved

Date 8/14/02

Approved By [Signature]

SUBCODE APPROVAL

[] G-1 [] G-2 [] G-3

Approved By

Date

INSPECTIONS	Date (Month/Day)	Initial
Type		
Slab		
Roof		
Water		
Sewer		
Fixtures		
Gas Equip.		
Gas Piping		
Water		
TOO		

NO.

FIXTURE/EQUIPMENT

FEE (Office Use Only)

Water Closet

Urinal - Bidet

Bath Tub

Laundry

Shower

Floor Drain

Sink

Dishwasher

Drinking Fountain

Washing Machine

Base Rib

Water Heater

Fuel Oil Piping

Gas Piping

Steam Boiler

Hot Water Boiler

Sewer Pump

Interceptor / Separator

Backflow Preventer

Grease Trap

Sewer Connection

Water Service Connection

Stacks

Other A/C

Other

Paid \$ 1 Check \$
Collected by: [Signature]
Administrative Surcharge \$
Minimum Fee \$
TOTAL FEE \$
NCA Training Fee \$

Signature of Contractor: [Signature]
I, [Signature] Licensed Plumber, Contractor & [Signature] Applicant

**TOWNSHIP OF BRICK
ZONING PERMIT**

Approved: March 21, 2002

No. 2.0334

Block: 836 Lot: 18

Zone: R-7.5

Property Address: 1679 West Princeton Avenue

Applicant: Edward Serafin, Jr.

Property Owner: Mr. and Mrs. Edward Serafin

Existing Use: Single Family Residential

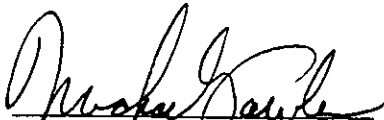
Proposed Use: Single Family Residential

Proposed Construction: 14' x 14', 16' high screened porch, 25' x 25', 16' high family room addition, 16.5' x 32', 16' high attached garage, 7' wide breezeway attaching garage to house.

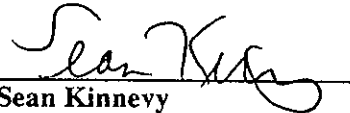
Conditions: The addition, porch and garage must be set back at least 15 feet from the rear property line and at least 6 feet from the side property lines.

This permit shall be null, void and of no effect if any of the facts contained in the application upon the basis that this permit was granted are false or untrue in any material respect.

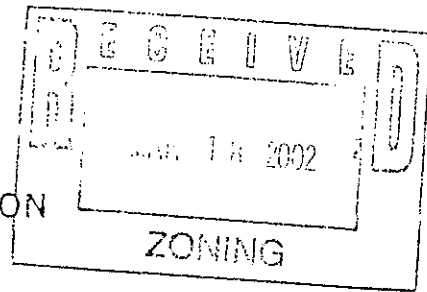
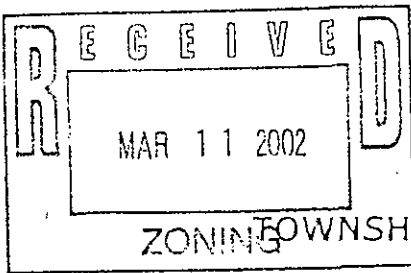
This permit shall expire one (1) year after the date of issuance if the use or substantial construction has not been commenced.



Michael P. Fowler, AICP/PP
Municipal Planner



Sean Kinnevy
Zoning Officer



ZONING TOWNSHIP OF BRICK ZONING PERMIT APPLICATION

(Please Type or Print Neatly in Ink, Not Pencil)

Applications missing any of the following information will delay processing and may be returned to you.

Block 836 Lot 18 Qualifier _____

PROPERTY ADDRESS 1679 West Princeton Ave.

PERSONAL NAME OF APPLICANT Mr + Mrs Edward J. Serafin Jr.

BUSINESS NAME OF APPLICANT _____

PROPERTY OWNER Mr + Mrs. Edward J. Serafin Jr.

PRESENT USE OF PROPERTY (check all that apply)

- ☐ Vacant Lot ☒ Single-family dwelling ☐ Multi-family dwelling
☐ Commercial (please describe) _____

PROPOSED USE OF PROPERTY (check all that apply)

- ☐ Vacant Lot ☒ Single-family dwelling ☐ Multi-dwelling
☐ Commercial (please describe) _____

PROPOSED CONSTRUCTION (check all that apply)

- ☒ New Building (please describe) 17' x 32' Garage
☒ Addition
☐ Alteration
☒ Porch or deck (state heights) SCREENED IN PORCH 14' x 14' 14" OFF GROUND
☐ Shed (state height) _____
☐ Fence (state type & height) _____
☐ Swimming Pool ☐ in-ground ☐ above-ground
☐ Other (please describe) _____

CHECKLIST

- ☐ All information completed above
☐ Two (2) copies of a plot plan containing:
☐ All existing and proposed structures
☐ All dimensions of the lot and structures
☐ All setbacks from the structures to the property lines
☐ All adjacent streets and waterways
☐ If applicable, include a copy of the Zoning Board of Adjustment Resolution, the date that the map was signed, and/or the date that the subdivision map was filed with the Ocean County Clerk, along with the file map and number.

Note: No partial, taped, faxed, reduced or enlarged copies can be accepted.

The applicant certifies that all statements and information made and provided as part of this application are true to the best of the applicant's knowledge, information and belief. The applicant further states that the applicant will comply with all other Municipal approvals and ordinances, and all County, State, and Federal Regulations.

Signature of applicant Edward J. Serafin Jr. Date 2/29/02

Reviewed by Zoning Office _____ Date 3/13/02) Approved ☒ Denied ☐



MF Series SPECIFICATIONS

MODULAR ELECTRIC FURNACE

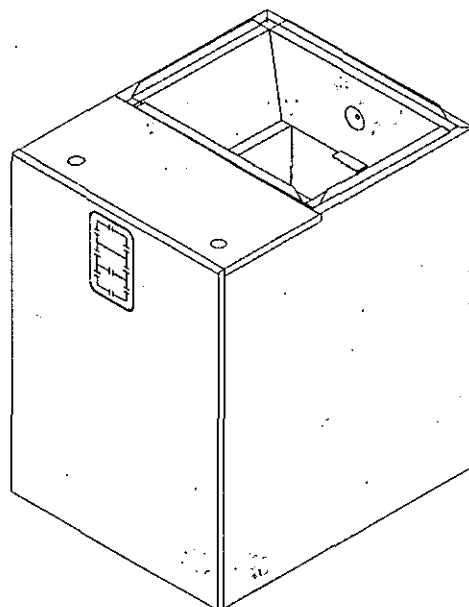
2 THRU 5 TONS AIRFLOW

ACCESSORY 5 KW - 30 KW ELECTRIC HEAT

MODULAR ELECTRIC FURNACE FEATURES

FEATURES

- Modular Electric Furnace, Air Conditioning or Heat Pump ready
- Upflow or horizontal left or right airflow
- Downflow applications require Subbase Accessory
- Prepainted galvanized steel cabinet
- Internally lined with 1/2" Tuf-Skin II insulation
- Electronic control board with quick connect receptacle for electric heat
- Direct drive slide-out blower assembly
- Three speed PSC blower motor
- Matches with AC and HP Cased Coils. Hot Water may be used but doesn't match case size.
- Accepts accessory slip-in electric heaters*
- Accepts accessory two stage outdoor thermostats



Accessory Heater

- UL listed for sale in U.S.A. and Canada
- Easy to install with simple plug in connection to Electric Furnace
- Designed for 208/240 Volt
- Single & Three phase models
- Breakerless 5, 7.5 and 10 nominal KW models available
- 5, 7.5, 10, 15, 20, 25 and 30 nominal KW models available with Circuit Breakers
- Auto-reset high temperature limits
- * Requires No Heat Kit if installed without electric heat



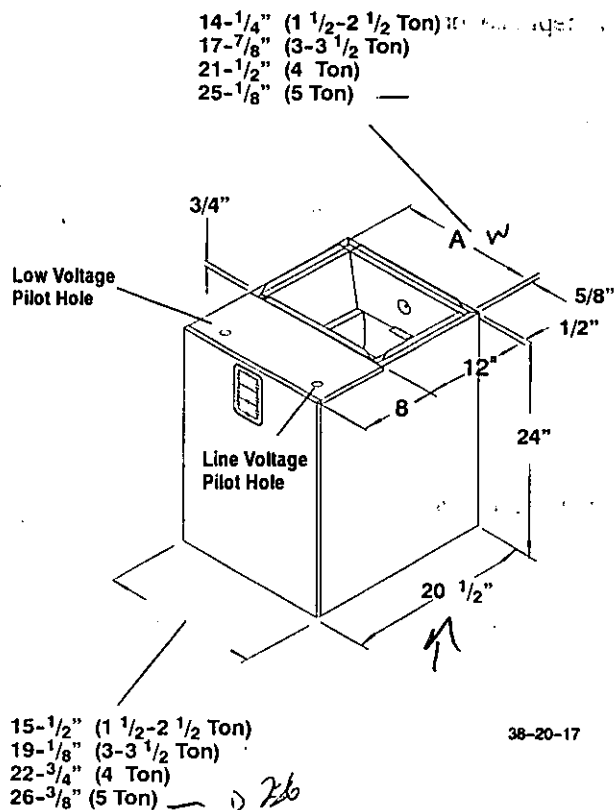
International Comfort Products Corporation (USA)
650 Heil-Quaker Ave.
Lewisburg, Tennessee 37091

442 31 2202 00
January, 1999

UNIT SPECIFICATIONS - ELECTRIC FURNACE

Model Number		MF08B1500A	MF12F1900A	MF16J2200A	MF20N2600A
Application		Upflow / Horizontal / Downflow *			
Electrical	Volts-Phase-Hz.	208 / 230 - 1 - 60			
Data **	Minimum Circuit Ampacity	7.5	7.5	7.5	7.5
	Time Delay Fuse (Amps)	15			
	Maximum Fuse or Breaker Size (Amps)	15			
Blower	Size	DD10 - 7	DD10 - 8	DD10 - 9	DD10 - 9
Data	Horsepower - Speed	1/3 - 3	1/2 - 3	1/2 - 3	3/4 - 3
	Full Load / Lock Rotor Amps	2.2 / 4.1	4.0 / 6.8	4.0 / 6.8	6.0 / 13.2
Transformer		40 VA			
Weight	Shipping / Net (Lbs.)				

* Kit required for Accessory Subbase ** Disregard if electric heat is added. Refer to Electric Heat table.



CLEARANCES	
NO HEATERS	
All Sides	0"
From Supply Duct	0"
Recommended Service From Front	20"
(Service for blower, filter if installed)	
WITH HEATERS	
All Sides	0"
From First Three	0"
Feet of Supply Duct to Combustibles	1"
From Duct after Three Feet	0"
Recommended Service From Front	20"
(Service for blower, filter, heaters if installed)	

HEATER STAGING

HEATER MODEL	VOLTAGE	TOTAL HEAT		1st STAGE (W1)		2nd STAGE (W2)	
		208V	240V	208V	240V	208V	240V
AMFK05AH	208-240/1/60	3.6	4.8	3.6	4.8	-	-
AMFK07AH	208-240/1/60	5.4	7.2	2.7	3.6	2.7	3.6
AMFK10AH	208-240/1/60	7.2	9.6	3.6	4.8	3.6	4.8
AMFK14AH	208-240/1/60	10.8	14.4	7.2	9.6	3.6	4.8
AMFK20AH	208-240/1/60	14.4	19.2	7.2	9.6	7.2	9.6
AMFK25AH	208-240/1/60	18.0	24.0	7.2	9.6	10.8	14.4
AMFK30AH	208-240/1/60	21.6	28.8	7.2	9.6	14.4	19.2
AMFH10AH	208-240/3/60	7.2	9.6	7.2	9.6	-	-
AMFH15AH	208-240/3/60	10.8	14.4	10.8	14.4	-	-
AMFH20AH	208-240/3/60	14.4	19.2	7.2	9.6	7.2	9.6
AMFH25AH	208-240/3/60	18.0	24.0	9.0	12.0	9.0	12.0
AMFH30AH	208-240/3/60	21.6	28.8	10.8	14.4	10.8	14.4

ACCESSORIES

Model	Description	Use With
AMF001NHA	No Heat Kit	MF08-20
AMFK05AHA* AMFK05AHB	5 KW Single Phase	MF08-20
AMFK07AHA* AMFK07AHB	7 1/2 KW Single Phase	MF08-20
AMFK10AHA* AMFK10AHB	10 KW Single Phase	MF08-20
AMFK14AHB	15 KW Single Phase	MF08-20
AMFK20AHB	20 KW Single Phase	MF12-20
AMFK25AHB	25 KW Single Phase	MF16-20
AMFK30AHB	30 KW Single Phase	MF16-20
AMFK20SPA	Single Point Wiring Kit	15-20 KW
AMFK30SPA	Single Point Wiring Kit	25-30 KW
AMFH10AHB	10 KW Three Phase	MF12-20
AMFH15AHB	15 KW Three Phase	MF12-20
AMFH20AHB	20 KW Three Phase	MF16-20
AMFH25AHB	25 KW Three Phase	MF16-20
AMFH30AHB	30 KW Three Phase	MF16-20

*AHA Models are Non-Breaker Models

ACCESSORIES

Model	Description	Use With
AMF002OTA	2 Stage Outdoor Thermostat	7.5 KW & Above
AMF015DFA	Downflow Kit (Subbase)	MF08
AMF019DFA	Downflow Kit (Subbase)	MF12
AMF022DFA	Downflow Kit (Subbase)	MF16
AMF026DFA	Downflow Kit (Subbase)	MF20

MODEL NUMBER IDENTIFICATION GUIDE

MF	12	F19	00	A
PRODUCT FAMILY				SALES CODE
MF = MODULAR ELECTRIC FURNACE				
NOMINAL AIRFLOW				FIELD INSTALLED HEATERS
08 = 800 CFM	12 = 1200 CFM			
16 = 1600 CFM	20 = 2000 CFM			MATCHING COIL (NOMINAL WIDTH)

ACCESSORIES NUMBER IDENTIFICATION GUIDE

A	M	F	001	DP	A
PRODUCT GROUP					SALES CODE
A = Accessories					PRODUCT IDENTIFIER
PRODUCT TYPE					PRODUCT IDENTIFIER NUMBER
C = Cooling H = Heating X = Special					
M = Multi Use (Heating and / or Cooling)					SERIES
ACCESSORY PRODUCT IDENTIFIER ASSIGNMENT					
AH - Auxiliary Heater		DP - Drain Pan Kit			
OT - Outdoor Thermostat		DF - Downflow Kit			
WF - Washable Filter		NH - No Heat Kit			
SP - Single Point Wiring Kit		TK - Thermostatic Expansion Valve			

ELECTRICAL HEATER DATA TABLE: (Single Phase)

Heater Model	Supply Voltage	Nomi-Heating BTUH	Heat-KW	KW Per Element	Supply Circuit No.	Heater KW Per Circuit	Heater AMPS.	Maxi-Motor AMPS.	Total AMP	Branch Circuit Ampacity	Maximum Overcurrent Protective Device (AMPS.)	Recommended				
												Supply Wire 75 °C. Copper			Ground Wire	
												No.	Size	Max. Length (F)	No.	Size
AMFK05AH	240	16,832	4.8	4.8	Single	4.8	20.0	6.0	26.0	32.5	35	2	10	61	1	10
	208	12,287	3.6	3.6	Single	3.6	17.3	6.0	23.3	29.2	30	2	10	59	1	10
AMFK07AH	240	24,573	7.2	3.6	Single	7.2	30.0	6.0	36.0	45.0	45	2	8	70	1	10
	208	18,430	5.4	2.7	Single	5.4	26.0	6.0	32.0	40.0	40	2	8	68	1	10
AMFK10AH	240	32,765	9.6	4.8	Single	9.6	40.0	6.0	46.0	57.5	60	2	6	85	1	10
	208	24,574	7.2	3.6	Single	7.2	34.7	6.0	40.7	50.8	60	2	6	83	1	10
AMFK14AH	240	49,147	14.4	4.8	Single	14.4	60.0	6.0	66.0	82.5	90	2	4	94	1	8
					Mult. 1	9.6	40.0	6.0	46.0	57.5	60	2	6	50	1	10
					Mult. 2	4.8	20.0	0.0	20.0	25.0	25	2	12		1	10
	208	36,860	10.8	3.6	Single	10.8	52.0	6.0	58.0	72.5	80	2	4	93	1	8
					Mult. 1	7.2	34.7	6.0	40.7	50.8	60	2	6	50	1	10
					Mult. 2	3.6	17.3	0.0	17.3	21.7	25	2	12		1	10
AMFK20AH	240	65,530	19.2	4.8	Single	19.2	80.0	6.0	86.0	107.5	110	2	2	115	1	6
					Mult. 1	9.6	40.0	6.0	46.0	57.5	60	2	6	63	1	10
					Mult. 2	9.6	40.0	0.0	40.0	50.0	50	2	8		1	10
	208	49,147	14.4	3.6	Single	14.4	69.3	6.0	75.3	94.2	100	2	3	90	1	8
					Mult. 1	7.2	34.7	6.0	40.7	50.8	60	2	6	63	1	10
					Mult. 2	7.2	34.7	0.0	34.7	43.3	45	2	8		1	10
AMFK25AH	240	81,912	24.0	4.8	Single	24.0	100.0	6.0	106.0	132.5	150	2	1/0	148	1	6
					Mult. 1	9.6	40.0	6.0	46.0	57.5	60	2	6	50	1	10
					Mult. 2	9.6	40.0	0.0	40.0	50.0	50	2	8		1	10
					Mult. 3	4.8	20.0	0.0	20.0	25.0	25	2	12		1	10
	208	61,434	18.0	3.6	Single	18.0	75.1	6.0	81.1	101.4	110	2	2	106	1	6
					Mult. 1	7.2	34.7	6.0	40.7	50.8	60	2	6	50	1	10
AMFK30AH	240	98,294	28.8	4.8	Single	28.8	120.0	6.0	126.0	157.5	175	2	2/0	158	1	6
					Mult. 1	9.6	40.0	6.0	46.0	57.5	60	2	6	63	1	10
					Mult. 2	9.6	40.0	0.0	40.0	50.0	50	2	8		1	10
					Mult. 3	9.6	40.0	0.0	40.0	50.0	50	2	8		1	10
	208	73,721	21.6	3.6	Single	21.6	90.1	6.0	96.1	120.2	125	2	1	112	1	6
					Mult. 1	7.2	34.7	6.0	40.7	50.8	60	2	6	63	1	10
					Mult. 2	7.2	34.7	0.0	34.7	43.3	45	2	8		1	10
					Mult. 3	7.2	34.7	0.0	34.7	43.3	45	2	8		1	10

ELECTRICAL HEATER DATA TABLE: (Three Phase)

Heater Model	Supply Voltage	Nomi-Heating BTUH	Heat-KW	KW Per Element	Supply Circuit No.	Heater KW Per Circuit	Heater AMPS.	Maxi-Motor AMPS.	Total AMP	Branch Circuit Ampacity	Maximum Overcurrent Protective Device (AMPS.)	Recommended				
												Supply Wire 75 °C. Copper			Ground Wire	
												No.	Size	Max. Length (F)	No.	Size
AMFH10AH	240	32,765	9.6	3.2	Single	9.6	23.1	6.0	29.1	36.4	40	3	8	100	1	10
	208	24,574	7.2	2.4	Single	7.2	20.0	6.0	26.0	32.5	35	3	10	61	1	10
AMFK15AH	240	49,147	14.4	4.8	Single	14.4	34.6	6.0	40.6	50.8	60	3	6	111	1	10
	208	36,860	10.8	3.6	Single	10.8	30.0	6.0	36.0	45.0	50	3	8	70	1	10
AMFH20AH	240	65,530	19.2	3.2	Single	19.2	46.2	6.0	52.2	65.2	70	3	4	138	1	8
					Mult. 1	9.6	23.1	6.0	29.1	36.4	40	3	8	79	1	10
					Mult. 2	9.6	23.1	0.0	23.1	28.9	30	3	10		1	10
					Mult. 2	7.2	17.3	0.0	17.3	21.7	25	3	12		1	10
	208	49,147	14.4	2.4	Single	14.4	40.0	6.0	46.0	57.5	60	3	6	85	1	10
					Mult. 1	7.2	17.3	6.0	23.3	29.2	30	3	10	57	1	10
AMFH25AH	240	81,912	24.0	4.0	Single	24.0	57.7	6.0	63.7	79.7	80	3	4	113	1	8
					Mult. 1	12.0	28.9	6.0	34.9	43.6	45	3	8	83	1	10
					Mult. 2	12.0	28.9	0.0	28.9	36.1	40	3	8		1	10
	208	61,434	18.0	3.0	Single	18.0	50.0	6.0	56.0	70.0	80	3	4	111	1	8
					Mult. 1	9.0	21.7	6.0	27.7	34.6	35	3	10	57	1	10
					Mult. 2	9.0	21.7	0.0	21.7	27.1	30	3	10		1	10
AMFH30AH	240	98,294	28.8	4.8	Single	28.8	69.3	6.0	75.3	94.1	100	3	3	120	1	8
					Mult. 1	14.4	34.6	6.0	40.6	50.8	60	3	6	84	1	10
	208	73,721	21.6	3.6	Single	21.6	60.0	6.0	66.0	82.6	90	3	4	94	1	8
					Mult. 1	10.8	26.0	6.0	32.0	40.0	45	3	8	61	1	10
					Mult. 2	10.8	26.0	0.0	26.0	32.5	35	3	10		1	10

Airflow Based on no coil, no filter, no electric heat. Deduct heater static shown in heater static table. Deduct filter static shown in filter static table. Deduct coil static, See Coil Specification Sheet. Deduct .10 for Horizontal Drain Pan Kit. Deduct .20 for Downflow Subbase Kit.

MF08		SP IN. WG.							
SPEED	Volts	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
LOW	230V	1053	1013	965	911	856	761	654	552
	208V	863	827	788	725	641	568	492	381
MED	230V	1333	1281	1221	1150	1060	990	857	743
	208V	1156	1115	1059	997	941	853	738	618
HIGH	230V	1553	1486	1411	1328	1227	1106	1032	865
	208V	1394	1336	1272	1195	1096	1023	924	774

MF16		SP IN. WG.							
SPEED	Volts	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
LOW	230V	1103	1088	1067	1040	994	921	849	749
	208V	872	847	820	788	750	696	630	530
MED	230V	1500	1493	1470	1438	1383	1303	1143	993
	208V	1229	1223	1198	1169	1123	1031	926	798
HIGH	230V	1912	1879	1830	1771	1684	1577	1429	1154
	208V	1629	1609	1584	1545	1478	1393	1214	1058

MF12		SP IN. WG.							
SPEED	Volts	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
LOW	230V	1103	1092	1086	1060	1024	973	906	803
	208V	903	893	877	858	830	781	728	642
MED	230V	1498	1473	1451	1409	1352	1277	1173	1044
	208V	1246	1239	1222	1202	1160	1098	1014	906
HIGH	230V	1860	1815	1760	1685	1596	1491	1352	1178
	208V	1602	1584	1553	1501	1432	1347	1241	1096

MF20		SP IN. WG.							
SPEED	Volts	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
LOW	230V	1673	1670	1669	1643	1587	1461	1298	1081
	208V	1320	1306	1289	1237	1147	1006	810	576
MED	230V	2060	2030	1980	1912	1835	1723	1594	1444
	208V	1676	1656	1613	1531	1381	1201	986	683
HIGH	230V	2554	2459	2352	2242	2116	1966	1809	1606
	208V	2420	2334	2244	2137	2021	1875	1732	1558

FILTER STATIC PRESSURE DROP										
MODEL	*WASHABLE FILTER SIZE	DISPOSABLE FILTER SIZE	CFM							
			600	800	1000	1200	1400	1600	1800	2000
MF08	14 1/4 X 20 1/4	14 X 20	0.05	0.09	0.13	0.19	---	---	---	---
MF12	17 3/4 X 20 1/4	18 X 20	----	----	0.09	0.12	0.17	0.22	---	---
MF16	21 1/4 X 20 1/4	20 X 20	----	----	---	---	0.12	0.15	0.19	---
MF20	24 3/4 X 20 1/4	25 X 20	----	----	---	---	0.09	0.11	0.14	0.18

HEATER STATIC TABLE							
CFM	HEATER KW / STATIC DROP						
	5	7.5	10	15	20	25	30
600	.01	.01	.01				
800	.01	.01	.01	.01			
1000	.01	.01	.01	.01	.02		
1100	.01	.01	.01	.02	.02		
1200	.01	.01	.01	.02	.02		
1300	.01	.02	.02	.02	.02		
1400	.01	.02	.02	.02	.03	.03	
1500	.01	.02	.02	.02	.03	.04	
1600	.01	.02	.02	.03	.03	.04	.04
1700	.01	.02	.02	.03	.03	.04	.05
1800	.01	.02	.02	.03	.04	.04	.05
1900	.01	.02	.02	.03	.04	.05	.06
2000	.01	.02	.02	.03	.04	.05	.06
	DO NOT OPERATE IN THIS AREA CFM / KW LIMIT EXCEEDED						

Deduct heater static shown in heater static table. See Airflow next page.

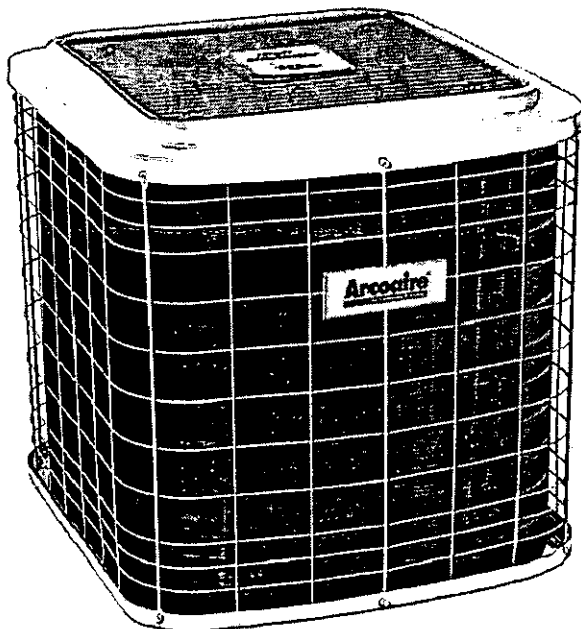
UNIT SPECIFICATIONS - No Heat Kit													
No Heat Model	Supply Circuit			Supply Circuit No.	Maximum Motor AMPS.	Total AMPS.	Branch Circuit Ampacity	Maximum Overcurrent Protective Device (AMPS.)	Recommended				
									Supply Wire 75 °C. Copper			Ground Wire	
	Volts	Phase	Hertz						No.	Size	Max. Length (Ft)		
												No.	Size
AMF001NH	240	1	60	Single	6.0	6.0	7.5	15	2	14	104	1	14
	208	1	60	Single	6.0	6.0	7.5	15	2	14	90	1	14

**High
Efficiency**

10+

Arcoaire®
Air Conditioning & Heating

10+ SEER - AIR CONDITIONER



Representative photo only, some models may vary in appearance.

1 1/2 THRU 5 TONS SPLIT SYSTEM FEATURES

- High efficiency scroll compressors on all models
- Copper tube / aluminum fin coil
- Prepainted condenser fins
- Top air discharge for quieter operation
- G-90 Galvanized steel cabinet with integral base rails
- Triple step paint process
- Coated inlet and discharge grilles ruggedly built for enhanced coil protection
- Numerous service friendly features
- Service valves on all models with 3-1/2" stubs
- External refrigerant connections
- Easy side access sloped control panel
- Fan motor in-line disconnect plug
- Factory charged with R-22, condenser plus 25 Ft. lines
- 5 Year parts, 10 year compressor limited warranties
- 11+ SEER with Expansion Valve coils & Variable Speed Blowers or Furnaces



Rated in accordance with ARI Standard 210. Certification applies only when used with proper components as listed with ARI.



International Comfort Products Corporation (USA)
651 Hell-Quaker Ave.
Lewisburg, Tennessee 37091

RESIDENTIAL AND COMMERCIAL SYSTEMS • SPLIT SYSTEMS • PACKAGED AIR CONDITIONERS •
COMBINATION GAS / ELECTRIC UNITS • HEAT PUMPS • AIR HANDLERS • MANUFACTURED HOME AIR
CONDITIONERS • GAS, OIL AND ELECTRIC FURNACES

Printed in U.S.A.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NO. 421 31 3201 02
July 2000

Base Specifications

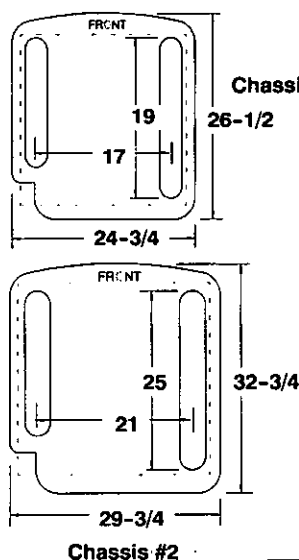
Model Number	HAC018AKA	HAC024AKA	HAC030AKA	HAC036AKA	HAC042AKA	HAC048AKA	HAC060AKA
Max. Cooling Capacity (Btuh)	18500	24600	30000	36600	42500	47500	60000
SEER Label	10	10	10	10	10	10	10
Sound Rating Decibels	71	72	75	75	75	77	77
Fan HP / Type / Speeds	1/8-PSC-1	1/8-PSC-1	1/5-PSC-1	1/5-PSC-1	1/5-PSC-1	1/3-PSC-1	1/3-PSC-1
Fan RPM / Max. CFM	1075 / 1400	1075 / 1400	1075 / 2000	1075 / 2000	1075 / 2000	1075 / 3000	1075 / 3000
Coil Face Area (Sq Ft)	10.73	10.73	10.73	11.63	15.20	17.76	18.94
Coil Rows / Fins Per Inch	1 / 20	1 / 20	1 / 20	1 / 20	1 / 20	1 / 20	1 / 20
Line Connection Suction I.D. Size (In.)	3/4	3/4	3/4	3/4	7/8	7/8	7/8
Line Connection Liquid I.D. Size (In.)	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Supplied Optional Evaporator Orifice Size	.051	.057	.065	.073	.078	.079	.090
Factory Charge - R22 (Oz)	60	69	74	80	98	123	131
Weight Lbs. (Ship)	130	132	134	139	170	197	207

Electrical Specifications - 208 - 230 / 1 / 60, Voltage Range 197V - 253V

Minimum Circuit Ampacity	11.9	13.5	18.9	21.3	24.5	29.1	35.7
Wire Size/Max. Length (AWG Cu) Ft.	14 / 50	14 / 40	14 / 30	12 / 35	12 / 25	10 / 40	8 / 50
Time Delay Fuse (Amps)	15	20	25	30	30	35	45
Max. Fuse or HACR Breaker Size (Amps)	20	20	30	35	40	50	60
Compressor Full Run / Lock Rotor Amps	9.0 / 42	10.3 / 54	14.1 / 73	16.0 / 100	18.6 / 127	21.8 / 131	27.1 / 175
Fan Full Load / Lock Rotor Amps.	.66 / 1.55	.66 / 1.55	1.3 / 2.33	1.3 / 2.33	1.3 / 2.33	1.9 / 3.7	1.9 / 3.7

Dimensions		
Model	Chassis	Height (H)
018	1	26-5/8
024	1	26-5/8
030	1	26-5/8
036	1	28-5/8
042	1	36-5/8
048	2	32-5/8
060	2	34-5/8

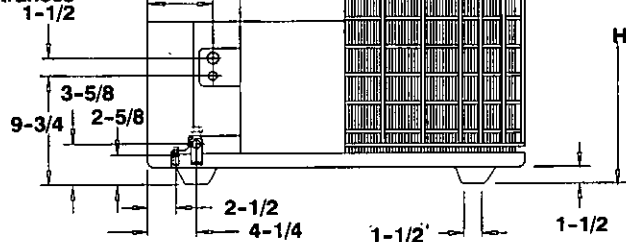
ALL DIMENSIONS IN INCHES



Minimum Mounting Pad Sizes with pad starting at 9" from structure for minimum clearance of 6".

Chassis #1 20" W X 20" D
Chassis #2 24" W X 26" D

Line & Low Voltage Wiring Entrances



Accessory	Description	Used On
AMF153TKB	Expansion Valve Kit	1 1/2 - 3 Ton
AMF355TKB	Expansion Valve Kit	3 1/2 - 5 Ton
AMA001TDA	Indoor Blower Time Delay	All Models
24370800 *	Compressor Anti-short cycle 24 Volt 3 Min. Time Delay	All Models
1070822*	Compressor Anti-short cycle 24 Volt 5 Min. Time Delay	All Models
1148671 *	Low Ambient Kit (Fan Cycling Switch)	All Models
1053477 *	Compressor Crankcase Heater Solid State "Stick On" Type	All Models
1148113 *	Compressor Crankcase Heater "Wrap-around" Type	All Models
1060833*	Compressor Sound Jacket (Small Scroll)	1 1/2 - 3 Ton
1060834 *	Compressor Sound Jacket (Large Scroll)	3 1/2 - 5 Ton

* Order from Service Parts

PERFORMANCE DATA COOLING

Outdoor Model	Indoor Model	Cooling 95 F					CFM	Pin/TXV
		Btuh	SEER	S/T	EER	WATTS		
*AC018AKA**	EX*24F****+VNK/NTVM050	18500	12.20	.74	11.1	1516	600	TXV
*AC018AKA**	EX*24F****+VNK/NTVM075	18500	12.10	.74	11.0	1529	600	TXV
*AC018AKA**	EAH5536**+TXV2+TD1	18500	11.50	.74	10.4	1609	600	TXV
*AC018AKA**	EAH5536**+TXV2	18500	11.20	.74	10.4	1652	600	TXV
*AC018AKA**	EAH5536**+TD1	18500	10.90	.74	10.4	1697	600	.051
*AC018AKA**	EX*24B****+TD1	18500	10.90	.73	10.3	1697	600	TXV
*AC018AKA**	EAH5536**	18500	10.70	.74	10.4	1729	600	.051
*AC018AKA**	EX*24F****+EV(MV)12F19****	18400	12.00	.73	11.0	1533	600	TXV
*AC018AKA**	EX*24F****+TD1	18300	11.00	.73	10.3	1664	600	TXV
*AC018AKA**	EX*24B****	18300	10.80	.73	10.3	1694	600	TXV
*AC018AKA**	EX*24F****	18300	10.80	.73	10.3	1694	600	TXV
*AC018AKA**	EP*30B****+TXV2+VNK/NTVM050	18200	12.10	.76	10.9	1504	600	TXV
*AC018AKA**	EP*30B****+TXV2+VNK/NTVM075	18200	12.00	.76	10.8	1517	600	TXV
*AC018AKA**	FCX24****	18200	10.70	.73	10.2	1701	600	TXV
*AC018AKA**	EP*30B****+TXV2+TD1	18000	11.10	.75	10.1	1622	600	TXV
*AC018AKA**	EP*30F****+TXV2+TD1	18000	11.10	.75	10.1	1622	600	TXV
*AC018AKA**	EAH5524**+TXV2+TD1	18000	11.00	.74	10.2	1636	600	TXV
*AC018AKA**	EP*24B****+TXV2+TD1	18000	11.00	.75	10.1	1636	600	TXV
*AC018AKA**	EP*30B****+TXV2	18000	11.00	.75	10.1	1636	600	TXV
*AC018AKA**	EP*30F****+TXV2	18000	11.00	.75	10.1	1636	600	TXV
*AC018AKA**	EAH5524**+TXV2	18000	10.90	.74	10.2	1651	600	TXV
*AC018AKA**	EP*24B****+TXV2	18000	10.90	.75	10.1	1651	600	TXV
*AC018AKA**	EP*30B****+TD1	18000	10.80	.75	10.1	1667	600	.051
*AC018AKA**	EP*30F****+TD1	18000	10.80	.75	10.1	1667	600	.051
*AC018AKA**	EAH5524**+TD1	18000	10.70	.74	10.2	1682	600	.051
*AC018AKA**	EP*24B****+TD1	18000	10.70	.75	10.1	1682	600	.051
*AC018AKA**	EE*36B****	18000	10.60	.75	10.1	1698	600	.051
*AC018AKA**	EE*36F****	18000	10.60	.75	10.1	1698	600	.051
*AC018AKA**	EMH30F****	18000	10.60	.74	10.1	1698	600	.051
*AC018AKA**	EP*30B****	18000	10.60	.75	10.1	1698	600	.051
*AC018AKA**	EP*30F****	18000	10.60	.75	10.1	1698	600	.051
*AC018AKA**	EAH5524**	18000	10.50	.74	10.2	1714	600	.051
*AC018AKA**	EMH24F****	18000	10.50	.74	10.1	1714	600	.051
*AC018AKA**	EP*24B****	18000	10.50	.75	10.1	1714	600	.051
*AC018AKA**	EP*18B****+TXV2	17500	10.50	.74	9.9	1667	600	TXV
*AC018AKA**	EP*18B****+TXV2+TD1	17500	10.50	.74	9.9	1667	600	TXV
*AC018AKA**	FCP24****+HTXV3	17500	10.50	.74	9.9	1667	600	TXV
*AC018AKA**	EP*18B****+TD1	17500	10.20	.74	9.9	1716	600	.051
*AC018AKA**	EE*24B****	17500	10.00	.74	9.9	1750	600	.051
*AC018AKA**	EP*18B****	17500	10.00	.74	9.9	1750	600	.051
*AC018AKA**	FCP24****	17500	10.00	.74	9.7	1750	600	.051
*AC024AKA**	EX*36F****+VNK/NTVM100	24600	12.00	.76	10.7	2050	800	TXV
*AC024AKA**	EX*36F****+VNK/NTVM125	24600	12.00	.76	10.7	2050	800	TXV
*AC024AKA**	EX*36F****+EV(MV)12F19****	24400	12.00	.76	10.7	2033	800	TXV
*AC024AKA**	EP*36J****+HTXV+VNK/NTVM100	24200	11.80	.76	10.5	2051	800	TXV
*AC024AKA**	EP*36J****+TXV3+VNK/NTVM125	24200	11.80	.76	10.5	2051	800	TXV
*AC024AKA**	EX*24F****+VNK/NTVM100	24200	11.80	.76	10.5	2051	800	TXV
*AC024AKA**	EX*24F****+VNK/NTVM050	24200	11.70	.76	10.4	2068	800	TXV
*AC024AKA**	EX*24F****+VNK/NTVM075	24200	11.80	.76	10.3	2086	800	TXV
*AC024AKA**	EX*36F****	24200	11.00	.76	10.0	2200	800	TXV
*AC024AKA**	EX*36J****	24200	11.00	.76	10.0	2200	800	TXV
*AC024AKA**	EX*24F****+EV(MV)12F19****	24000	11.60	.75	10.3	2069	800	TXV
*AC024AKA**	EX*24B****+TD1	24000	10.80	.75	9.8	2222	800	TXV
*AC024AKA**	EX*24F****+TD1	24000	10.80	.75	9.8	2222	800	TXV
*AC024AKA**	EAH5536**+TXV2+TD1	24000	10.70	.75	10.2	2243	800	TXV
*AC024AKA**	EX*24B****	24000	10.70	.75	9.8	2243	800	TXV
*AC024AKA**	EX*24F****	24000	10.70	.75	9.8	2243	800	TXV
*AC024AKA**	EAH5536**+TXV2	24000	10.60	.70	10.2	2264	800	TXV
*AC024AKA**	FCX24****	24000	10.60	.75	9.8	2264	800	TXV
*AC024AKA**	EAH5524**+TXV2+TD1	24000	10.50	.72	9.7	2286	800	TXV
*AC024AKA**	EAH5536**+TD1	24000	10.50	.75	10.2	2286	800	.057
*AC024AKA**	EAH5524**+TXV2	24000	10.40	.72	9.7	2308	800	TXV
*AC024AKA**	FCP36****	24000	10.25	.74	9.5	2341	800	.057
*AC024AKA**	EAH5524**+TD1	24000	10.20	.72	9.7	2353	800	.057
*AC024AKA**	EAH5536**	24000	10.20	.75	10.2	2353	800	.057
*AC024AKA**	EAH5524**	24000	10.00	.72	9.7	2400	800	.057
*AC024AKA**	EP*30F****+TXV2+VNK/NTVM100	23600	11.40	.76	10.4	2070	800	TXV
*AC024AKA**	EP*30F****+TXV2+VNK/NTVM050	23600	11.25	.76	10.3	2098	800	TXV
*AC024AKA**	EP*30F****+TXV2+VNK/NTVM075	23600	11.20	.76	10.2	2107	800	TXV
*AC024AKA**	EP*30B****+TXV2+TD1	23400	10.60	.75	9.7	2208	800	TXV
*AC024AKA**	EP*30F****+TXV2+TD1	23400	10.60	.75	9.7	2208	800	TXV
*AC024AKA**	EP*24B****+TXV2+TD1	23400	10.50	.74	9.7	2229	800	TXV
*AC024AKA**	EP*30B****+TXV2	23400	10.50	.76	9.7	2229	800	TXV
*AC024AKA**	EP*30F****+TXV2	23400	10.50	.76	9.7	2229	800	TXV

Many matches require a pin change. Always check pin size to insure maximum performance. PIN=Refrigerant orifice PIN size. TD1=AMA001TDA Indoor Blower Time Delay Kit, required to make SEER indicated. All products using an electronic fan control satisfy TD1 requirements. TXV=Thermostatic Expansion Valve, TXV153 (AMF153) replaces HTXV1,2 or 3 where listed in ratings, TXV335 (AMF335) Replaces HTXV4 or 5 where listed in ratings. EP* = EPA, EPD, EPM series of coils. EX* = EXA, EXD, EXM series of coils. EE* = EEA OR EED series of coils.

PERFORMANCE DATA COOLING

Outdoor Model	Indoor Model	Cooling 95 F					CFM	Pin/TXV
		Btuh	SEER	S/T	EER	WATTS		
*AC024AKA**	FCP24****+HTXV3	23400	10.50	.74	9.7	2229	800	TXV
*AC024AKA**	EP*24B****+TXV2	23400	10.40	.74	9.7	2250	800	TXV
*AC024AKA**	EP*30B****+TD1	23400	10.30	.76	9.7	2272	800	.057
*AC024AKA**	EP*30F****+TD1	23400	10.30	.76	9.7	2272	800	.057
*AC024AKA**	EP*24B****+TD1	23400	10.20	.74	9.7	2294	800	.057
*AC024AKA**	FCP30****	23400	10.20	.74	9.3	2294	800	.057
*AC024AKA**	EE*36B****	23400	10.10	.76	9.7	2317	800	.057
*AC024AKA**	EE*36F****	23400	10.10	.76	9.7	2317	800	.057
*AC024AKA**	EMH30F****	23400	10.10	.74	9.7	2317	800	.057
*AC024AKA**	EP*30B****	23400	10.10	.76	9.7	2317	800	.057
*AC024AKA**	EP*30F****	23400	10.10	.76	9.7	2317	800	.057
*AC024AKA**	EE*30B****	23400	10.00	.74	9.7	2340	800	.057
*AC024AKA**	EMH24F****	23400	10.00	.74	9.7	2340	800	.057
*AC024AKA**	EP*24B****	23400	10.00	.74	9.7	2340	800	.057
*AC024AKA**	FCP24****	23400	10.00	.74	9.5	2340	800	.057
*AC024AKA**	EE*24B****+TD1	22600	10.00	.73	9.0	2260	700	.057
*AC024AKA**	EPP024****+TD1	22600	10.00	.76	9.0	2260	800	.057
*AC030AKA**	EX*36F****+TD1	30000	11.00	.74	9.7	2727	1000	TXV
*AC030AKA**	EX*36J****+TD1	30000	11.00	.74	9.7	2727	1000	TXV
*AC030AKA**	EX*36F****	30000	10.90	.74	9.7	2752	1000	TXV
*AC030AKA**	EX*36J****	30000	10.90	.74	9.7	2752	1000	TXV
*AC030AKA**	FCX36****	30000	10.80	.74	9.7	2778	1000	TXV
*AC030AKA**	EX*36J****+VNK/NTVM125	29400	11.70	.75	10.2	2513	1000	TXV
*AC030AKA**	EX*36J****+VNK/NTVM100	29400	11.60	.75	10.1	2534	1000	TXV
*AC030AKA**	EX*36F****+VNK/NTVM050	29400	11.50	.75	10.0	2557	1000	TXV
*AC030AKA**	EX*36F****+VNK/NTVM075	29400	11.35	.75	9.9	2590	1000	TXV
*AC030AKA**	EX*36F****+EV(MV)12F19****	29200	11.70	.74	10.2	2496	1000	TXV
*AC030AKA**	EP*36J****+TXV3+VNK/NTVM100	29000	11.70	.75	9.9	2479	1000	TXV
*AC030AKA**	EP*36J****+TXV3+VNK/NTVM125	29000	11.50	.75	10.0	2522	1000	TXV
*AC030AKA**	EP*36J****+TXV3+VNK/NTVM050	29000	11.30	.75	9.8	2566	1000	TXV
*AC030AKA**	EP*36J****+TXV3+VNK/NTVM075	29000	11.15	.75	9.7	2601	1000	TXV
*AC030AKA**	FCP42****	29000	10.20	.76	9.2	2843	1000	.065
*AC030AKA**	EP*30F****+TXV3+VNK/NTVM050	28800	11.25	.76	9.9	2560	1000	TXV
*AC030AKA**	EP*30F****+TXV3+VNK/NTVM075	28800	11.05	.76	9.7	2606	1000	TXV
*AC030AKA**	EP*36B****+TXV3+TD1	28800	10.80	.75	9.4	2667	1000	TXV
*AC030AKA**	EP*36F****+TXV3+TD1	28800	10.80	.75	9.4	2667	1000	TXV
*AC030AKA**	EP*36J****+TXV3+TD1	28800	10.80	.75	9.4	2667	1000	TXV
*AC030AKA**	EP*36B****+TXV3	28800	10.70	.75	9.4	2692	1000	TXV
*AC030AKA**	EP*36F****+TXV3	28800	10.70	.75	9.4	2692	1000	TXV
*AC030AKA**	EP*36J****+TXV3	28800	10.70	.75	9.4	2692	1000	TXV
*AC030AKA**	EP*36B****+TD1	28800	10.50	.75	9.4	2743	1000	.065
*AC030AKA**	EP*36F****+TD1	28800	10.50	.75	9.4	2743	1000	.065
*AC030AKA**	EP*36J****+TD1	28800	10.50	.75	9.4	2743	1000	.065
*AC030AKA**	EMH36F****	28800	10.30	.76	9.4	2796	1000	.065
*AC030AKA**	EP*36B****	28800	10.30	.75	9.4	2796	1000	.065
*AC030AKA**	EP*36F****	28800	10.30	.75	9.4	2796	1000	.065
*AC030AKA**	EP*36J****	28800	10.30	.75	9.4	2796	1000	.065
*AC030AKA**	FCP36****	28800	10.15	.76	9.1	2837	1000	.065
*AC030AKA**	EP*30B****+TXV3+TD1	28600	10.70	.76	9.4	2673	1000	TXV
*AC030AKA**	EP*30F****+TXV3+TD1	28600	10.70	.76	9.4	2673	1000	TXV
*AC030AKA**	EP*30B****+TXV3	28600	10.60	.76	9.4	2698	1000	TXV
*AC030AKA**	EP*30F****+TXV3	28600	10.60	.76	9.4	2698	1000	TXV
*AC030AKA**	FCP30****+HTXV3	28600	10.60	.76	9.4	2698	1000	TXV
*AC030AKA**	EP*30B****+TD1	28600	10.40	.76	9.4	2750	1000	.065
*AC030AKA**	EP*30F****+TD1	28600	10.40	.76	9.4	2750	1000	.065
*AC030AKA**	EE*36B****	28600	10.20	.76	9.4	2804	1000	.065
*AC030AKA**	EE*36F****	28600	10.20	.76	9.4	2804	1000	.065
*AC030AKA**	EMH30F****	28600	10.20	.76	9.4	2804	1000	.065
*AC030AKA**	EP*30B****	28600	10.20	.76	9.4	2804	1000	.065
*AC030AKA**	EP*30F****	28600	10.20	.76	9.4	2804	1000	.065
*AC030AKA**	FCP30****	28600	10.20	.76	9.2	2804	1000	.065
*AC030AKA**	EAH5536**+TXV3+TD1	28200	10.70	.73	9.2	2636	1000	TXV
*AC030AKA**	EAH5536**+TXV3	28200	10.50	.73	9.2	2686	1000	TXV
*AC030AKA**	EAH5536**+TD1	28200	10.30	.73	9.2	2738	1000	.065
*AC030AKA**	EAH5536**	28200	10.10	.73	9.2	2792	1000	.065
*AC030AKA**	EE*30B****+TD1	28000	10.00	.72	9.2	2800	1000	.065
*AC030AKA**	EPP030****+TD1	28000	10.00	.75	9.0	2800	1000	.065

Many matches require a pin change. Always check pin size to insure maximum performance. PIN=Refrigerant orifice PIN size. TD1=AMA001TDA Indoor Blower Time Delay Kit, required to make SEER indicated. All products using an electronic fan control satisfy TD1 requirements. TXV=Thermostatic Expansion Valve, TXV153 (AMF153) replaces HTXV1,2 or 3 where listed in ratings, TXV335 (AMF335) Replaces HTXV4 or 5 where listed in ratings. EP* = EPA, EPD, EPM series of coils. EX* = EXA, EXD, EXM series of coils. EE* = EEA OR EED series of coils.

PART NO. 421 31 3201 02
July 2000

PERFORMANCE DATA COOLING

Outdoor Model	Indoor Model	Cooling 95 F					CFM	Pin/TVX
		Btuh	SEER	S/T	EER	WATTS		
*AC036AKA**	EX*48N****+VNK/NTVM 125	36600	12.10	.74	10.5	3025	1200	TXV
*AC036AKA**	EP*48N****+TXV3+VNK/NTVM 125	36400	12.00	.74	10.4	3033	1200	TXV
*AC036AKA**	EX*36F****+VNK/NTVM 125	36400	12.00	.74	10.4	3033	1200	TXV
*AC036AKA**	EX*36F****+EV(MV)12F19****	36000	12.00	.74	10.4	3000	1200	TXV
*AC036AKA**	EP*42J****+TXV3+VNK/NTVM 125	36000	11.90	.74	10.7	3025	1200	TXV
*AC036AKA**	EX*36F****+VNK/NTVM 100	36000	11.70	.75	10.2	3077	1200	TXV
*AC036AKA**	EP*42J****+TXV3+VNK/NTVM 100	36000	11.60	.74	10.5	3103	1200	TXV
*AC036AKA**	EX*36F****+VNK/NTVM 050	36000	11.40	.75	9.9	3158	1200	TXV
*AC036AKA**	EP*42J****+TXV3+VNK/NTVM 050	36000	11.30	.74	10.2	3186	1200	TXV
*AC036AKA**	EX*36F****+TD1	36000	11.10	.74	9.8	3243	1200	TXV
*AC036AKA**	EX*36J****+TD1	36000	11.10	.74	9.8	3243	1200	TXV
*AC036AKA**	EP*42F****+TXV3+TD1	36000	11.00	.73	10.1	3273	1200	TXV
*AC036AKA**	EP*42J****+TXV3+TD1	36000	11.00	.73	10.1	3273	1200	TXV
*AC036AKA**	EX*36F****	36000	11.00	.74	9.8	3273	1200	TXV
*AC036AKA**	EX*36J****	36000	11.00	.74	9.8	3273	1200	TXV
*AC036AKA**	EP*42F****+TXV3	36000	10.90	.73	10.1	3303	1200	TXV
*AC036AKA**	EP*42J****+TXV3	36000	10.90	.73	10.1	3303	1200	TXV
*AC036AKA**	FCX36****	36000	10.80	.74	9.8	3333	1200	TXV
*AC036AKA**	EP*42F****+TD1	36000	10.70	.73	10.1	3364	1200	.073
*AC036AKA**	EP*42J****+TD1	36000	10.70	.73	10.1	3364	1200	.073
*AC036AKA**	EMH42F****	36000	10.50	.72	10.1	3429	1200	.073
*AC036AKA**	EP*42F****	36000	10.50	.73	10.1	3429	1200	.073
*AC036AKA**	EP*42J****	36000	10.50	.73	10.1	3429	1200	.073
*AC036AKA**	EP*36J****+TXV3+VNK/NTVM 100	35200	11.10	.76	9.5	3171	1200	TXV
*AC036AKA**	EP*36J****+TXV3+VNK/NTVM 125	35200	11.10	.76	9.5	3171	1200	TXV
*AC036AKA**	EP*36B****+TXV3+TD1	35200	10.50	.75	9.0	3352	1200	TXV
*AC036AKA**	EP*36F****+TXV3+TD1	35200	10.50	.75	9.0	3352	1200	TXV
*AC036AKA**	EP*36J****+TXV3+TD1	35200	10.50	.75	9.0	3352	1200	TXV
*AC036AKA**	EP*36B****+TXV3	35200	10.40	.75	9.0	3385	1200	TXV
*AC036AKA**	EP*36F****+TXV3	35200	10.40	.75	9.0	3385	1200	TXV
*AC036AKA**	EP*36J****+TXV3	35200	10.40	.75	9.0	3385	1200	TXV
*AC036AKA**	FCP36****+HTXV3	35200	10.40	.74	9.0	3385	1200	TXV
*AC036AKA**	EP*36B****+TD1	35200	10.20	.75	9.0	3451	1200	.073
*AC036AKA**	EP*36F****+TD1	35200	10.20	.75	9.0	3451	1200	.073
*AC036AKA**	EP*36J****+TD1	35200	10.20	.75	9.0	3451	1200	.073
*AC036AKA**	EMH36F****	35200	10.00	.79	9.0	3520	1200	.073
*AC036AKA**	EP*36B****	35200	10.00	.75	9.0	3520	1200	.073
*AC036AKA**	EP*36F****	35200	10.00	.75	9.0	3520	1200	.073
*AC036AKA**	EP*36J****	35200	10.00	.75	9.0	3520	1200	.073
*AC036AKA**	FCP36****	35200	10.00	.73	9.0	3520	1200	.073
*AC036AKA**	EP*36J****+TXV3+VNK/NTVM 050	34800	11.10	.76	9.1	3135	1200	TXV
*AC036AKA**	FCP42****	34400	10.10	.74	9.2	3406	1200	.073
*AC036AKA**	EAH5536**+TXV3+TD1	34000	10.50	.74	9.0	3238	1200	TXV
*AC036AKA**	EAH5536**+TXV	34000	10.30	.74	9.0	3301	1200	TXV
*AC036AKA**	EAH5536**+TD1	34000	10.10	.74	9.0	3366	1200	.073
*AC036AKA**	EAH5536**	34000	10.00	.74	9.0	3400	1200	.073
*AC036AKA**	EE*36B****+TD1	33600	10.00	.75	9.0	3360	1200	.073
*AC036AKA**	EE*36F****+TD1	33600	10.00	.75	9.0	3360	1200	.073
*AC036AKA**	EPP036****+TD1	33600	10.00	.75	9.0	3360	1200	.073
*AC042AKA**	EX*48N****+VNK/NTVM 125	42500	11.60	.72	10.0	3664	1400	TXV
*AC042AKA**	EP*48N****+TXV4+VNK/NTVM 100	42500	11.50	.74	9.9	3696	1400	TXV
*AC042AKA**	EP*48N****+TXV4+VNK/NTVM 125	42500	11.50	.74	9.9	3696	1400	TXV
*AC042AKA**	EAH5548**+TXV4+TD1	42500	11.00	.74	9.5	3864	1400	TXV
*AC042AKA**	EP*48J****+TXV4+TD1	42500	11.00	.73	9.5	3864	1400	TXV
*AC042AKA**	EP*48N****+TXV4+TD1	42500	11.00	.73	9.5	3864	1400	TXV
*AC042AKA**	EX*48N****+TD1	42500	11.00	.72	9.8	3864	1400	TXV
*AC042AKA**	EAH5548**+TXV4	42500	10.90	.74	9.5	3899	1400	TXV
*AC042AKA**	EP*48F****+TXV4+TD1	42500	10.90	.73	9.4	3899	1400	TXV
*AC042AKA**	EP*48J****+TXV4	42500	10.90	.73	9.5	3899	1400	TXV
*AC042AKA**	EP*48N****+TXV4	42500	10.90	.73	9.5	3899	1400	TXV
*AC042AKA**	EP*48F****+TXV4	42500	10.80	.73	9.4	3935	1400	TXV
*AC042AKA**	EAH5548**+TD1	42500	10.70	.74	9.5	3972	1400	.079
*AC042AKA**	EP*48J****+TD1	42500	10.70	.73	9.5	3972	1400	.079
*AC042AKA**	EP*48N****+TD1	42500	10.70	.73	9.5	3972	1400	.079
*AC042AKA**	EP*48F****+TD1	42500	10.60	.73	9.4	4009	1400	.079
*AC042AKA**	EAH5548**	42500	10.50	.74	9.5	4048	1400	.079
*AC042AKA**	EP*48J****	42500	10.50	.73	9.5	4048	1400	.079
*AC042AKA**	EP*48N****	42500	10.50	.73	9.5	4048	1400	.079
*AC042AKA**	EMH48F****	42500	10.40	.76	9.4	4087	1400	.079
*AC042AKA**	EP*48F****	42500	10.40	.73	9.4	4087	1400	.079
*AC042AKA**	EX*42J****+EV(MV)16J22**	42000	11.40	.71	9.8	3684	1400	TXV
*AC042AKA**	EX*42J****+VNK/NTVM 125	42000	11.30	.72	9.8	3717	1400	TXV
*AC042AKA**	EP*42J****+TXV4+VNK/NTVM 125	42000	11.20	.72	9.8	3750	1225	TXV
*AC042AKA**	EX*42J****+VNK/NTVM 100	42000	10.90	.72	9.5	3853	1400	TXV
*AC042AKA**	EP*42J****+TXV4+VNK/NTVM 100	42000	10.75	.72	9.5	3907	1400	TXV
*AC042AKA**	EX*42J****+TD1	42000	10.60	.71	9.4	3962	1400	TXV

Many matches require a pin change. Always check pin size to insure maximum performance. PIN=Refrigerant orifice PIN size. TD1=AMA001TDA Indoor Blower Time Delay Kit, required to make SEER indicated. All products using an electronic fan control satisfy TD1 requirements. TXV=Thermostatic Expansion Valve, TXV153 (AMF153) replaces HTXV1,2 or 3 where listed in ratings, TXV335 (AMF335) Replaces HTXV4 or 5 where listed in ratings. EP* = EPA, EPD, EPM series of coils. EX* = EXA, EXD, EXM series of coils. EE* = EEA OR EED series of coils.

PERFORMANCE DATA COOLING

Outdoor Model	Indoor Model	Cooling 95 F					CFM	Pin/TXV
		Btuh	SEER	S/T	EER	WATTS		
*AC042AKA**	EP*42F****+TXV4+TD1	42000	10.50	.71	9.4	4000	1400	TXV
*AC042AKA**	EP*42J****+TXV4+TD1	42000	10.50	.71	9.4	4000	1400	TXV
*AC042AKA**	EX*42J****	42000	10.50	.71	9.4	4000	1400	TXV
*AC042AKA**	FCX48****	42000	10.50	.71	9.4	4000	1400	TXV
*AC042AKA**	EP*42F****+TXV4	42000	10.40	.71	9.4	4038	1225	TXV
*AC042AKA**	EP*42J****+TXV4	42000	10.40	.71	9.4	4038	1225	TXV
*AC042AKA**	FCP42****+HTXV4	42000	10.40	.71	9.2	4038	1400	TXV
*AC042AKA**	EP*42F****+TD1	42000	10.20	.71	9.4	4118	1225	.078
*AC042AKA**	EP*42J****+TD1	42000	10.20	.71	9.4	4118	1225	.078
*AC042AKA**	EMH42F****	42000	10.00	.74	9.4	4200	1225	.078
*AC042AKA**	EP*42F****	42000	10.00	.71	9.4	4200	1225	.078
*AC042AKA**	EP*42J****	42000	10.00	.71	9.4	4200	1225	.078
*AC042AKA**	FCP42****	42000	10.00	.71	9.0	4200	1400	.078
*AC042AKA**	EE*42F****+TD1	39500	10.00	.71	9.0	3950	1225	.078
*AC048AKA**	EP*60J****+TXV4+VNK/NTVM125	47500	11.20	.77	9.3	4241	1500	TXV
*AC048AKA**	EP*60J****+TXV4+VNK/NTVM100	47500	11.00	.77	9.9	4318	1500	TXV
*AC048AKA**	EP*60J****+TXV4	47500	10.90	.76	9.3	4358	1500	TXV
*AC048AKA**	EP*60N****+TXV4	47500	10.90	.76	9.3	4358	1500	TXV
*AC048AKA**	EP*60J****+TD1	47500	10.70	.76	9.3	4439	1500	.079
*AC048AKA**	EP*60N****+TD1	47500	10.70	.76	9.3	4439	1500	.079
*AC048AKA**	EP*60J****	47500	10.50	.76	9.3	4524	1500	.079
*AC048AKA**	EP*60N****	47500	10.50	.76	9.3	4524	1500	.079
*AC048AKA**	EX*48N****+EV(MV)20N26****	47000	12.00	.73	10.3	3917	1600	TXV
*AC048AKA**	EX*48N****+VNK/NTVM125	47000	11.40	.73	9.8	4123	1600	TXV
*AC048AKA**	EX*48N****+TD1	47000	11.10	.73	9.6	4234	1600	TXV
*AC048AKA**	EX*48N****	47000	11.00	.73	9.6	4273	1600	TXV
*AC048AKA**	EP*48J****+TXV4+VNK/NTVM125	47000	10.80	.76	10.3	4352	1500	TXV
*AC048AKA**	EP*48J****+TXV4+VNK/NTVM100	47000	10.70	.76	9.3	4393	1500	TXV
*AC048AKA**	EP*48J****+TXV4+TD1	47000	10.50	.75	9.3	4476	1500	TXV
*AC048AKA**	EP*48N****+TXV4+TD1	47000	10.50	.75	9.3	4476	1500	TXV
*AC048AKA**	EP*48J****+TXV4	47000	10.40	.75	9.3	4519	1500	TXV
*AC048AKA**	EP*48N****+TXV4	47000	10.40	.75	9.3	4519	1500	TXV
*AC048AKA**	FCP48****+HTXV4	47000	10.40	.75	9.3	4519	1600	TXV
*AC048AKA**	EP*48J****+TD1	47000	10.20	.75	9.3	4608	1500	.079
*AC048AKA**	EP*48N****+TD1	47000	10.20	.75	9.3	4608	1500	.079
*AC048AKA**	EP*48J****	47000	10.00	.75	9.3	4700	1500	.079
*AC048AKA**	EP*48N****	47000	10.00	.75	9.3	4700	1500	.079
*AC048AKA**	FCP48****	47000	10.00	.76	9.1	4700	1600	.079
*AC048AKA**	EAH5560**+TXV4+TD1	46500	11.00	.74	9.4	4227	1600	TXV
*AC048AKA**	EAH5560**+TXV4	46500	10.90	.74	9.4	4266	1600	TXV
*AC048AKA**	EAH5560**+TD1	46500	10.70	.74	9.4	4346	1600	.079
*AC048AKA**	EAH5560**	46500	10.50	.74	9.4	4429	1600	.079
*AC048AKA**	EP*48F****+TXV4+TD1	46000	10.50	.75	9.3	4381	1200	TXV
*AC048AKA**	EP*48F****+TXV4	46000	10.40	.75	9.3	4423	1200	TXV
*AC048AKA**	EP*48F****+TD1	46000	10.20	.75	9.3	4510	1200	.079
*AC048AKA**	EMH48F****	46000	10.00	.73	9.3	4600	1200	.079
*AC048AKA**	EP*48F****	46000	10.00	.75	9.3	4600	1200	.079
*AC048AKA**	FCX48****	45500	10.80	.73	9.3	4213	1600	TXV
*AC048AKA**	EAH5548**+TXV4+TD1	44500	11.00	.74	9.2	4045	1600	TXV
*AC048AKA**	EAH5548**+TXV4	44500	10.80	.74	9.2	4120	1600	TXV
*AC048AKA**	EAH5548**+TD1	44500	10.60	.74	9.2	4198	1600	.079
*AC048AKA**	EAH5548**	44500	10.40	.74	9.2	4279	1600	.079
*AC048AKA**	EE*48F****+TD1	43000	10.00	.74	9.0	4300	1225	.079
*AC060AKA**	EAH5560**+TXV5+TD1	60000	11.00	.70	9.1	5455	1800	TXV
*AC060AKA**	EX*60N****+EV(MV)20N26****	60000	10.70	.69	9.6	5607	1800	TXV
*AC060AKA**	EX*60N****+VNK/NTVM125	60000	10.70	.69	9.6	5607	1800	TXV
*AC060AKA**	EAH5560**+TXV5	60000	10.60	.70	9.1	5660	1800	TXV
*AC060AKA**	EX*60N****+TD1	60000	10.60	.69	9.4	5660	1800	TXV
*AC060AKA**	EX*60N****	60000	10.50	.69	9.4	5714	1800	TXV
*AC060AKA**	EAH5560**+TD1	60000	10.40	.70	9.1	5769	1800	.092
*AC060AKA**	EAH5560**	60000	10.20	.70	9.1	5882	1800	.092
*AC060AKA**	FCX60****	59000	10.10	.69	9.2	5842	1800	TXV
*AC060AKA**	EP*60J****+TXV5+TD1	58500	10.50	.69	9.1	5571	1700	TXV
*AC060AKA**	EP*60N****+TXV5+TD1	58500	10.50	.69	9.1	5571	1700	TXV
*AC060AKA**	EP*60J****+TXV5	58500	10.40	.69	9.3	5625	1700	TXV
*AC060AKA**	EP*60N****+TXV5	58500	10.40	.69	9.3	5625	1700	TXV
*AC060AKA**	FCP60****+HTXV5	58500	10.40	.69	9.1	5625	1800	TXV
*AC060AKA**	EP*60J****+TD1	58500	10.20	.69	9.3	5735	1700	.092
*AC060AKA**	EP*60N****+TD1	58500	10.20	.69	9.3	5735	1700	.092
*AC060AKA**	EP*60J****	58500	10.00	.69	9.3	5850	1700	.092
*AC060AKA**	EP*60N****	58500	10.00	.69	9.3	5850	1700	.092
*AC060AKA**	FCP60****	58000	10.00	.69	9.1	5800	1800	.092
*AC060AKA**	EE*60J****+TD1	54500	10.00	.70	9.0	5450	1600	.092

Many matches require a pin change. Always check pin size to insure maximum performance. PIN=Refrigerant orifice PIN size. TD1=AMA001TDA Indoor Blower Time Delay Kit, required to make SEER indicated. All products using an electronic fan control satisfy TD1 requirements. TXV=Thermostatic Expansion Valve, TXV153 (AMF153) replaces HTXV1,2 or 3 where listed in ratings, TXV335 (AMF335) Replaces HTXV4 or 5 where listed in ratings. EP* = EPA, EPD, EPM series of coils. EX* = EXA, EXD, EXM series of coils. EE* = EEA OR EED series of coils.

MODEL NUMBER IDENTIFICATION GUIDE

MODEL NUMBER PRODUCT FAMILY * = Brand	AC	0	24	A	K	A	SALES CODE ELECTRICAL K = 208/230-1-60 H = 208/230-3-60 CONNECTIONS A = Sweat / Valve G = Sweat / Valve & Coil Guard NOMINAL CAPACITY MBTUH 18 = 18,000 24 = 24,000 30 = 30,000 36 = 36,000 42 = 42,000 48 = 48,000 60 = 60,000
PRODUCT TYPE AC = Air Conditioning CA = Condenser A/C HP = Heat Pump CH = Condenser H/P							
NOMINAL SEER RATING 0 = 10 2 = 12 4 = 14							

EXTENDED REFRIGERANT LINE CORRECTION FACTORS

Varying Line Length in Feet (m) vs. Total Capacity Multiplier					
25 (8)	50 (15)	75 (23)	100 (30)	125 (38)	150 (46)
1.00	.99	.98	.96	.94	.92

REFRIGERANT CHARGE DATA

All models are factory charged with R-22 for outdoor unit, 25' (8m) of refrigerant line and matching indoor section.
 Refrigerant charge correction per foot (305mm) of line:
 1/4" O.D. = .25 oz.; 5/16" O.D. = .45 oz.; 3/8" O.D. = .60 oz.;
 1/2" O.D. = 1.2 oz.

VOLTAGE CORRECTION FACTORS

Volts	Capacity	Watts
208	.98	.99

INDOOR AIRFLOW CORRECTION TABLE

% Rated Air	90	95	100	105	110
Total Cap. Mult.	.98	.99	1.00	1.01	1.03
Sens Cap. Mult.	.95	.98	1.00	1.03	1.05

INDOOR TEMPERATURE CORRECTION TABLE (Based on 95°F Ambient)

Indoor D.B. °F (°C)	Correction Factor	Entering Indoor Wet Bulb °F (°C)						
		59 (15)	61 (16)	63 (17)	65 (18)	67 (19)	69 (20)	71 (21)
70 (21)	Total Cap. Mult.	.90	.93	.96	.99	1.02	-	-
	Sens Cap. Mult.	.86	.85	.82	.77	.70	-	-
75 (24)	Total Cap. Mult.	.89	.92	.95	.98	1.01	1.04	-
	Sens Cap. Mult.	1.04	1.03	1.00	.95	.88	.78	-
80 (26)	Total Cap. Mult.	.88	.91	.94	.97	1.00	1.03	1.06
	Sens Cap. Mult.	1.18	1.17	1.14	1.08	1.00	.89	.73
85 (29)	Total Cap. Mult.	-	.90	.93	.96	.99	1.02	1.05
	Sens Cap. Mult.	-	1.29	1.26	1.20	1.11	.98	.81

Bold Type = approximately 50% Relative Humidity

TOWNSHIP OF BRICK

OCEAN COUNTY, NEW JERSEY

401 CHAMBERS BRIDGE ROAD • BRICK, NJ 08723

Joseph C. Scarpelli, Mayor

Township Council:

Steven N. Cucci — President
Stephen C. Acropolis
Kimberley S. Casten
Gregory S. Kavanagh
Kathy M. Russell
Tony R. Shupin
Frederick J. Underwood, Sr.



Department of Administration & Finance
Office of Land Use Management

Sean Kinnevy
Zoning Officer
(732) 262-1041
skinn@twp.brick.nj.us

Kate MacDonald
Asst. Zoning Officer
(732) 262-1043
Fax: (732) 262-8954
kmacdon@twp.brick.nj.us
<http://www.twp.brick.nj.us>

March 13, 2002

Edward Serafin
1679 West Princeton Avenue
Brick, NJ 08723

Re: Block: 836 Lot: 18
1679 West Princeton Avenue

Dear Mr. Serafin,

Your application for a zoning permit for a screen porch, addition, breezeway and attached garage on the referenced property cannot be approved because under Section 190-11 of the Township Code a minimum side yard setback of 6 feet is required and you are proposing a setback of only 5.66 feet.

In order to build the proposed additions the Zoning Board of Adjustment must first approve a variance. Variance application forms can be obtained from Christine Papa, Board Secretary. Mrs. Papa can be reached at 732-262-1049.

Very Truly Yours,

A handwritten signature in black ink, appearing to read "Kate MacDonald".

Kate MacDonald
Assistant Zoning Officer

C: Mayor Joseph C. Scarpelli
Scott R. MacFadden, Business Administrator
Michael P. Fowler, AICP/PP, Municipal Planner
Sean Kinnevy, Zoning Officer
Daniel Newman, Construction Official

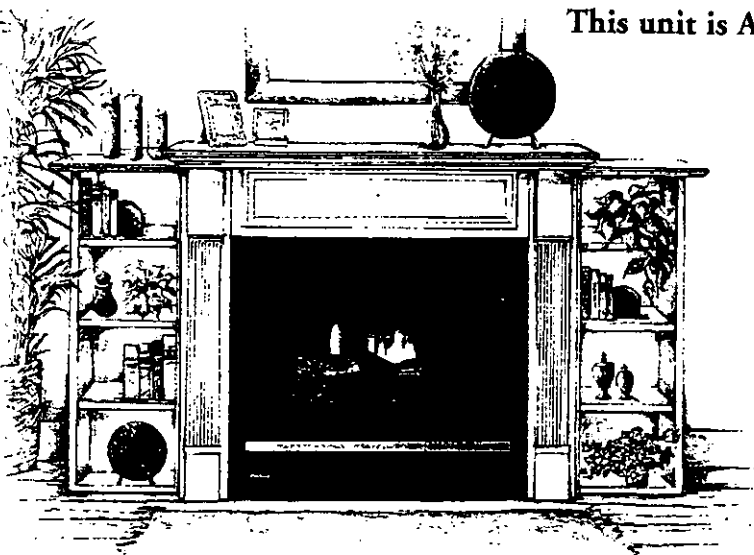
RESUBMIT
DATE 3-18-02

VENT-FREE

This unit is A.G.A. certified as a heater with 99% heat efficiency

No chimney or flue system required

Wide selection of factory installed options offered

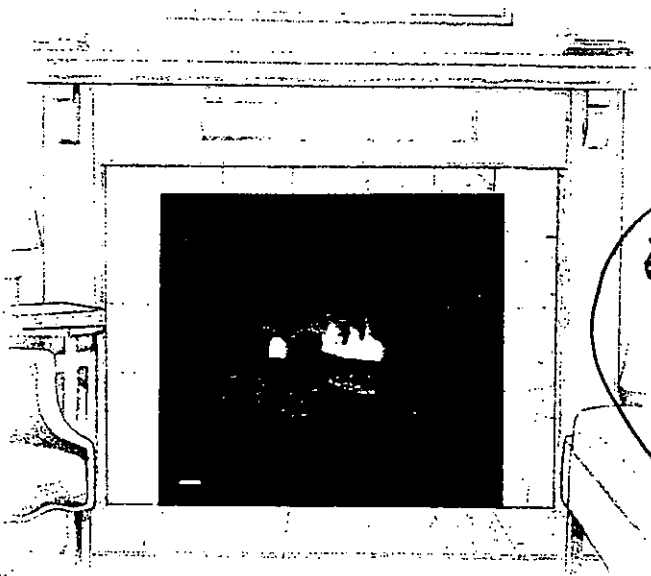
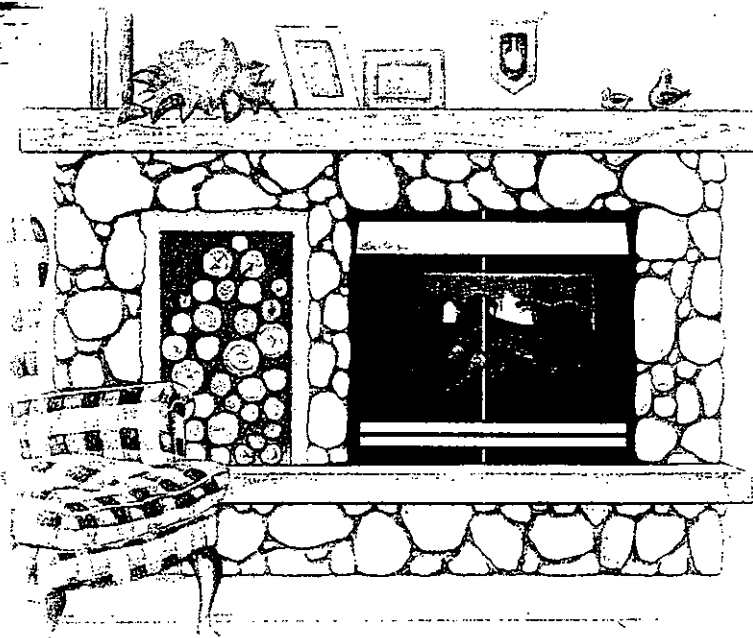


VF-4000

- 14,000 – 25,000 Btu/hr with manual control valve
- 19,500 – 25,000 Btu/hr with millivolt control valve
- Fully assembled and ready to install
- Attractive wood surrounds available
- 15" x 30" fixed or operable screen opening

VF-5000

- 25,000 Btu/hr millivolt variable heat output
- 15" X 30" glass or screen viewing area
- Clean burning, safe and easy to install
- Realistic charred oak logs with glowing embers



\$ 680

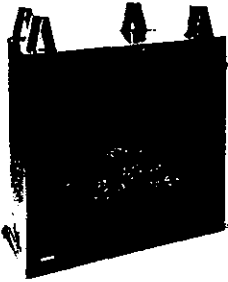
+ 128

*VF-6000

- 32,000 Btu/hr millivolt variable heat output
- Beautiful 20" X 34" glass or screen viewing area
- Will operate during a power failure
- Designed for large rooms

SUPERIOR.

F-4000/5000/6000



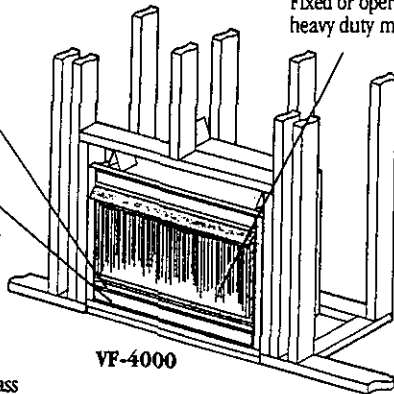
VF-6000 shown.

Controls hidden in access compartment.

Fixed or operable heavy duty mesh screen.



Optional FAB-1100 Blower.



VF-4000

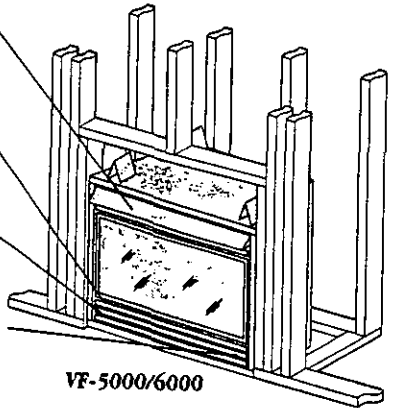
Optional brass hoods, arches, glass panel and fine mesh screen.

Controls hidden in access compartment.

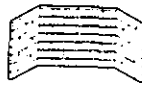


Optional FAB-1100 Blower.

Millivolt controls and piezo ignition operate during a power failure.



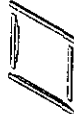
VF-5000/6000



Refractory tan brick panels



Gas flex liner kit.



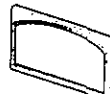
Square brass trim kit.



Brass Louver Kit (For VF-4 only)



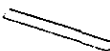
Screen panel kit. (For VF-5 & VF6 only)



Arch kit. (For VF-5 & VF6 only)



Glass door kit. (For VF-5 & VF6 only)



Brass hood. (For VF-5 & VF6 only)

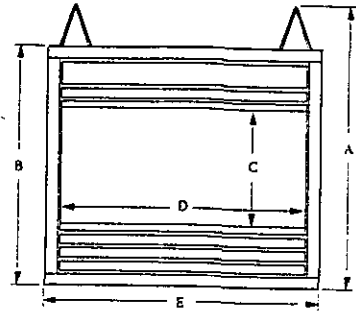


Wall switch or optional wireless remote available. (For VF-4MV, VF-5 & VF-6)

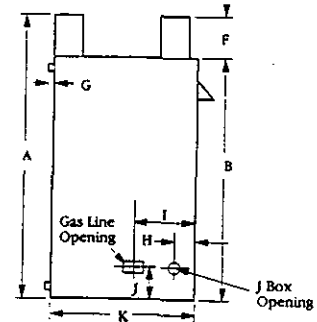


Wall thermostat. (For VF-4MV, VF-5 & VF-6)

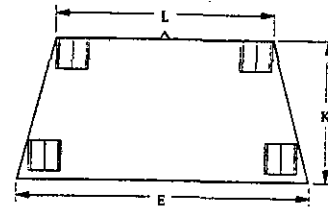
Front View



Left Side View



Top View



Vent-Free Product Dimensions

	VF-4000/5000C	VF-6000C
A	37"	42-1/8"
B	31-1/2"	36-5/8"
C	15"	20"
D	30"	34"
E	36"	40"
F	5-1/2"	5-1/2"
G	1/2"	1/2"
H	3-3/4"	3-3/4"
I	7-1/2"	8-1/2"
J	3"	3"
K	15-1/2"	19-1/2"
L	27"	28-1/2"

Btu Chart

Model	Natural	Propane
VF-4000 manual	14,000 - 25,000	14,000 - 25,000
VF-4000/5000 millivolt	19,500 - 25,000	19,500 - 25,000
VF-6000	25,000 - 32,000	25,000 - 32,000

Framing Dimension

Model	Width	Height	Depth
VF-4000/5000	37"	37-1/4"	15-1/2"
VF-6000	41"	42-3/8"	19-1/2"

NOTE: Diagrams and illustrations are not to scale. Product designs, materials, dimensions, specifications, colors and prices subject to change or discontinuation without notice. Built to ANSI Z21.11.2 standard and approved by A.G.A. (report # L2970017).

Consult your distributor for local fireplace code information.

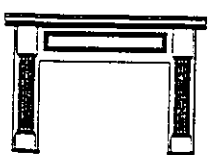
SUPERIOR.

4325 Artesia Ave., Fullerton, CA 92833, (714) 521-7302

Printed in U.S.A. ©1997, 2000 by Superior Fireplace. Est. 1932

SURROUNDS

The Charleston Poplar Surround is hand crafted using a combination of solid Poplar and Poplar veneer. Using the unique wood type of Poplar allows you the option to paint or stain this elegantly detailed surround. The surround is constructed using easy to assemble cam locks, and available in corner and wall units.



Distributed by:

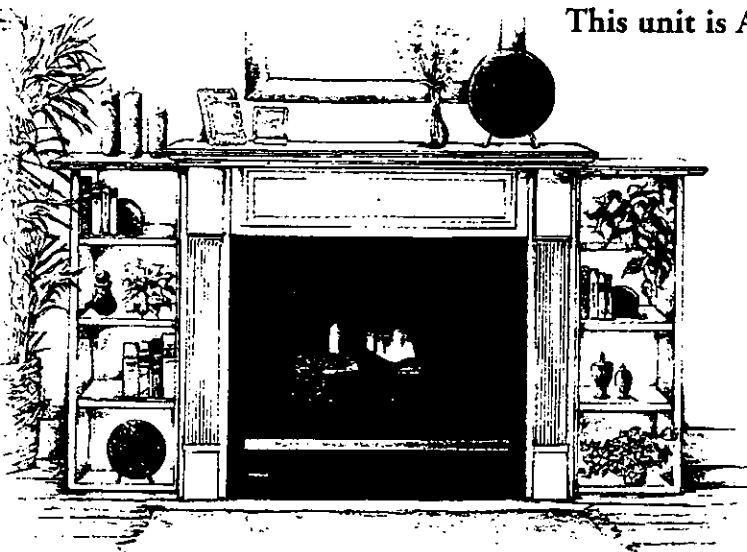


VENT-FREE

This unit is A.G.A. certified as a heater with 99% heat efficiency

No chimney or flue system required

Wide selection of factory installed options offered

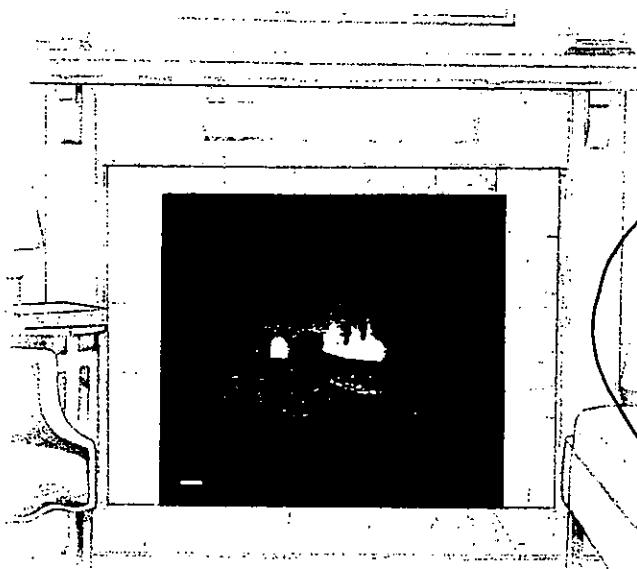
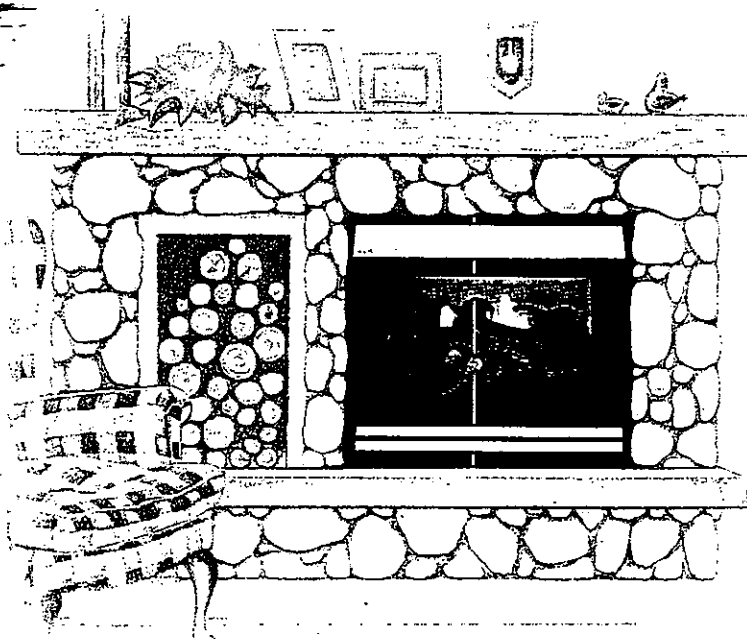


VF-4000

- 14,000 – 25,000 Btu/hr with manual control valve
- 19,500 – 25,000 Btu/hr with millivolt control valve
- Fully assembled and ready to install
- Attractive wood surrounds available
- 15" x 30" fixed or operable screen opening

VF-5000

- 25,000 Btu/hr millivolt variable heat output
- 15" X 30" glass or screen viewing area
- Clean burning, safe and easy to install
- Realistic charred oak logs with glowing embers



\$ 680

+ 128

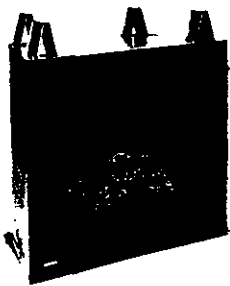
*VF-6000

- 32,000 Btu/hr millivolt variable heat output
- Beautiful 20" X 34" glass or screen viewing area
- Will operate during a power failure
- Designed for large rooms

GAS

SUPERIOR.

F-4000/5000/6000



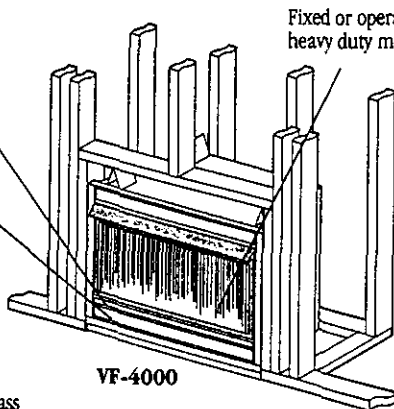
VF-6000 shown.

Controls hidden in access compartment.



Optional FAB-1100 Blower.

Optional brass hoods, arches, glass panel and fine mesh screen.



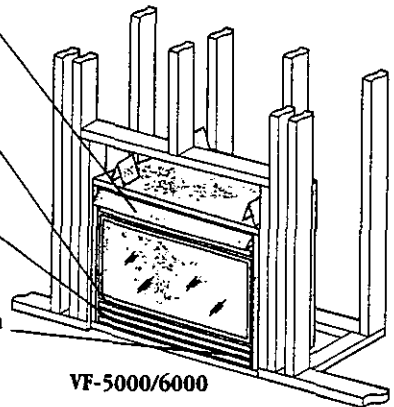
VF-4000

Controls hidden in access compartment.



Optional FAB-1100 Blower.

Millivolt controls and piezo ignition operate during a power failure.



VF-5000/6000



Refractory tan brick panels



Gas flex liner kit



Square brass trim kit.



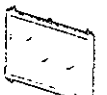
Brass Louver Kit (For VF-4 only)



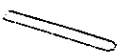
Screen panel kit. (For VF-5 & VF6 only)



Arch kit. (For VF-5 & VF6 only)



Glass door kit. (For VF-5 & VF6 only)



Brass hood. (For VF-5 & VF6 only)

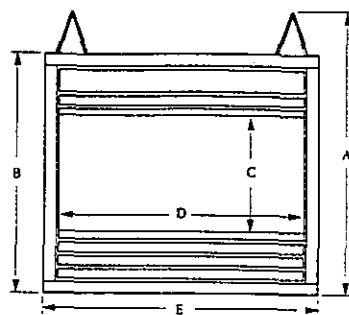


Wall switch or optional wireless remote available. (For VF-4MV, VF-5 & VF-6)

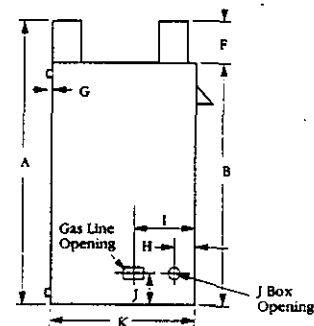


Wall thermostat. (For VF-4MV, VF-5 & VF-6)

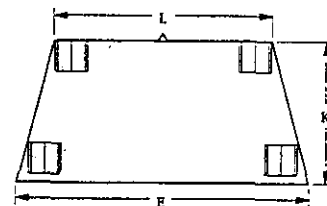
Front View



Left Side View



Top View



Vent-Free Product Dimensions

	VF-4000/5000C	VF-6000C
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I	7-1/2"	8-1/2"
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Btu Chart

Model	Natural	Propane
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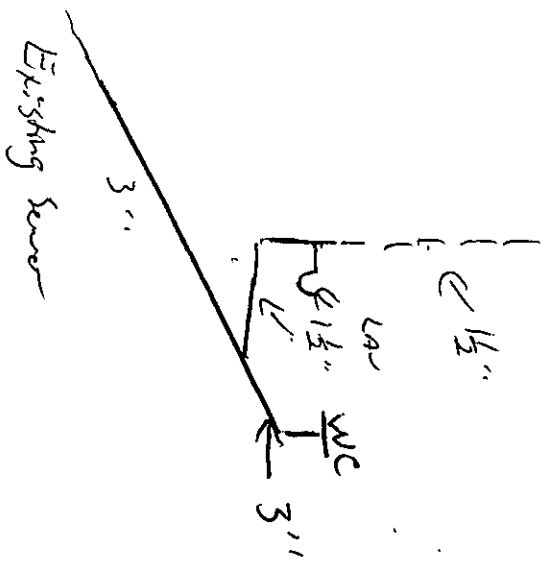
Distributed by:

SUPERIOR

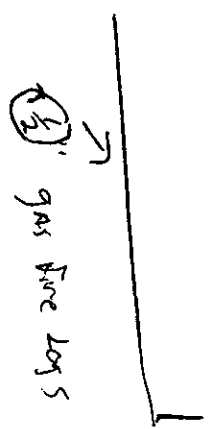
4325 Artesia Ave., Fullerton, CA 92833, (714) 521-7302

Printed in U.S.A. ©1997, 2000 by Superior Fireplace. Est. 1932
Superior invented room heaters include a limited lifetime warranty.

Plumbing Sketch



Gas Line Sketch



35,000
Btu

After 10 ft
off Existing 1" line

TOWNSHIP OF BRICK

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



Joseph C. Scarpelli, Mayor

Township Council:

Helen Fayad - President
Martin J. Anton
Victor Cantillo
Gregory S. Kavanagh
Mary Lou Powner
Kathy M. Russell
Frederick J. Underwood, Sr.

Department of Engineering

Office of the Municipal Engineer

(732) 262-1038

Fax: (732) 262-8954

<http://www.goshost.com/brick>

<http://www.twp.brick.nj.us>

Date: 2/29/02

Township Engineer
401 Chambers Bridge Road
Brick, NJ 08723

RE:

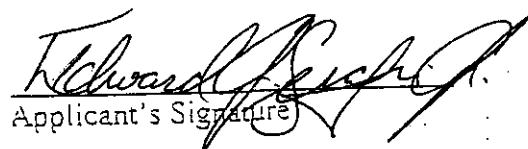
Block: 836

Lot: 18

Property Address: 1679 WEST PRINCETON AVE

I, EDUARDO J. SERAEN JR of 1679 WEST PRINCETON AVE
(name) (address)

Request to be exempted from the plot plan requirement for an addition as outlined in the
Brick Land Use Book, Chapter 190.31, part B.

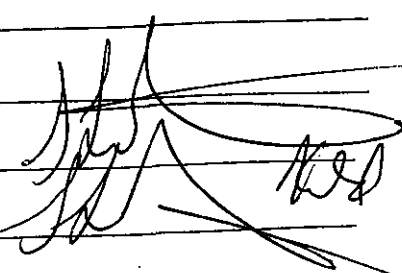

Applicant's Signature

The following shall be submitted with this request:

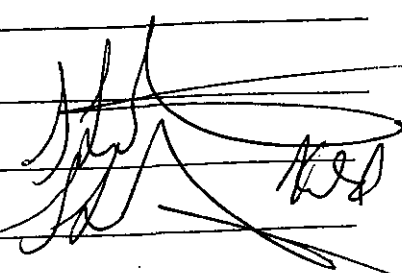
1. Submit survey locating existing dwelling and proposed addition. Dimensions of addition should be included.
 2. Proof that the property is not located in a Flood Hazard Area.
- Note: Prior to approval, a site inspection by the Engineering Department will be performed to verify that the proposed addition will not create a drainage problem.

OFFICE USE

Approved: 4/8/02

Signed: 

Rejected: 3/25/02 3/27/02

Signed: 

Grady Byles

National Fire Code
Plan Review Record
Township of Brick

Date: 4-12-02

Site Address: 1679 W. Princeton Ave.

Reviewed By: Ann P. Ryan - Fire

CORRECTION LIST
Description

No.

- 1) Addition greater than 25%.
used AC/DC bonded 5'0" in all bedrooms
and w/ 10' of bedroom interconnected.

4-12-02
800-840-0693
found Seraphim
left message
on machine

Party Called and Phone #: _____

Resubmitted on: _____ By: _____

Plumbing Fixtures in Ex House.

2	Toilet
3	Sink
2	Tub/Shower
1	Dish Washer
1	Washing Machine
1	Hose Bib
1	Water Heater
1	Hot Water Boiler

8
2
4

25/1
1/10.5

Richard P. Smith

National Fire Code
Plan Review Record
Township of Brick

Date: 4-10-02

Site Address: 1679 W. Princeton Ave.

Reviewed By: Max Piser

CORRECTION LIST
Description

No.

1 Addition greater than 25%.

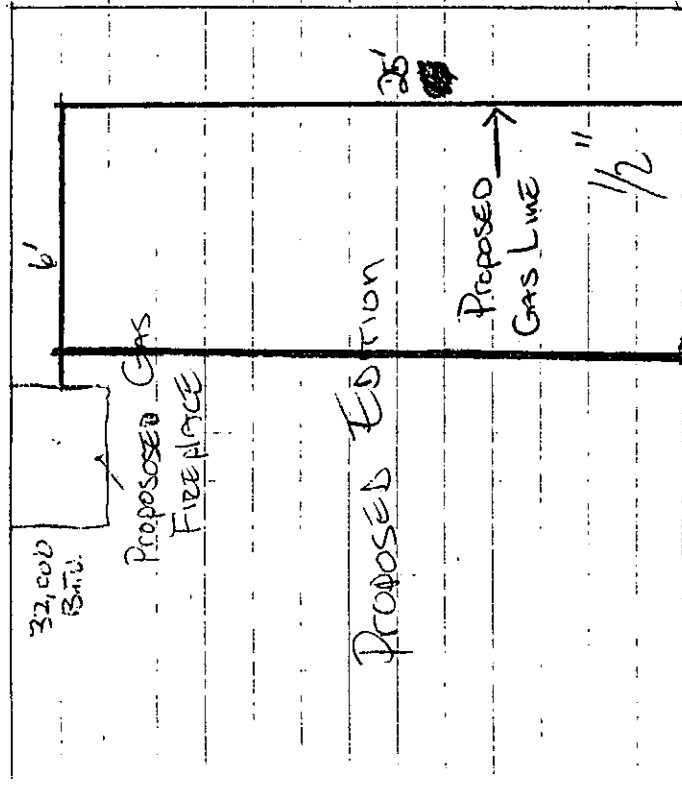
Party Called and Phone #: _____

Resubmitted on: _____ By: _____

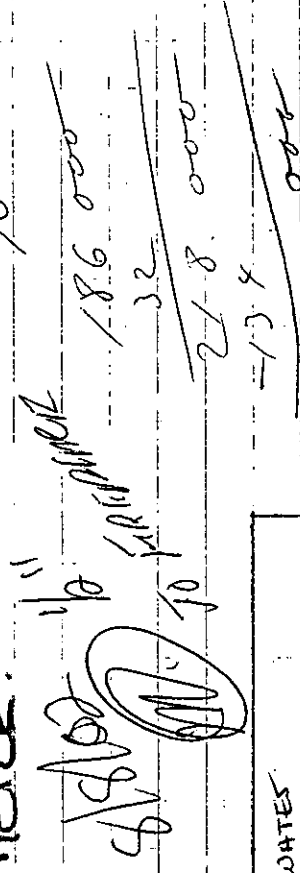
4-10-02
230 PM
131. 840 06 93
(732) 840 06 93
left message on
machine.

2671027

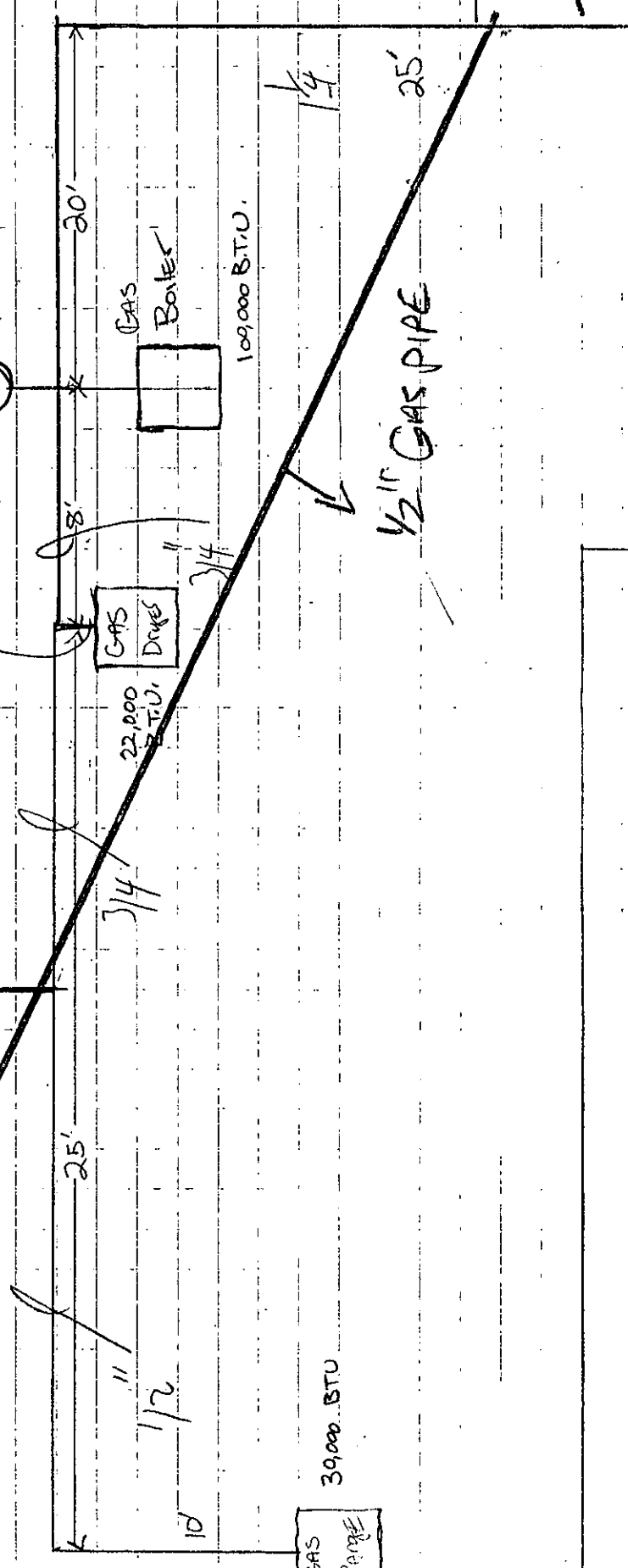
Drawn By: Edward J. Grafton



EXISTING GAS PIPE NOT BIG ENOUGH TO TAP INTO. WILL RUN 1/2" HOME RUN FROM 90' FIREPLACE TO METER.



34,000 BTU HOT WATER HEATER

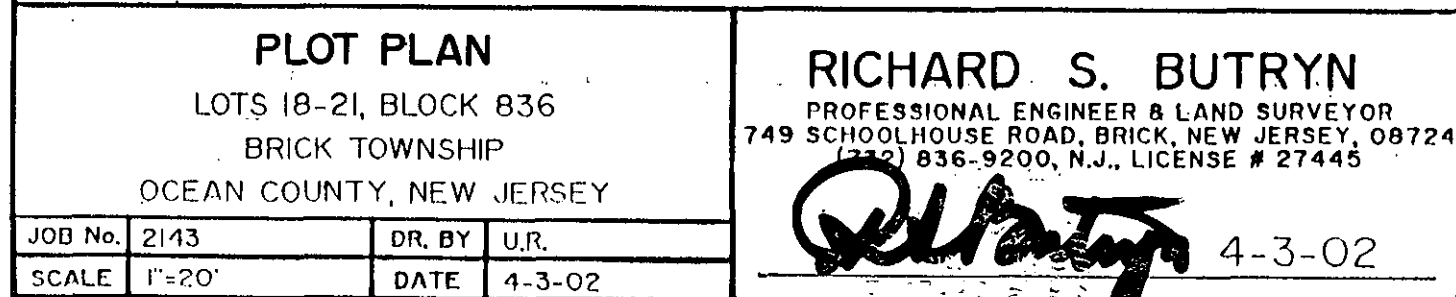


22,000 BTU GAS DRYER

109,000 BTU GAS BOILER

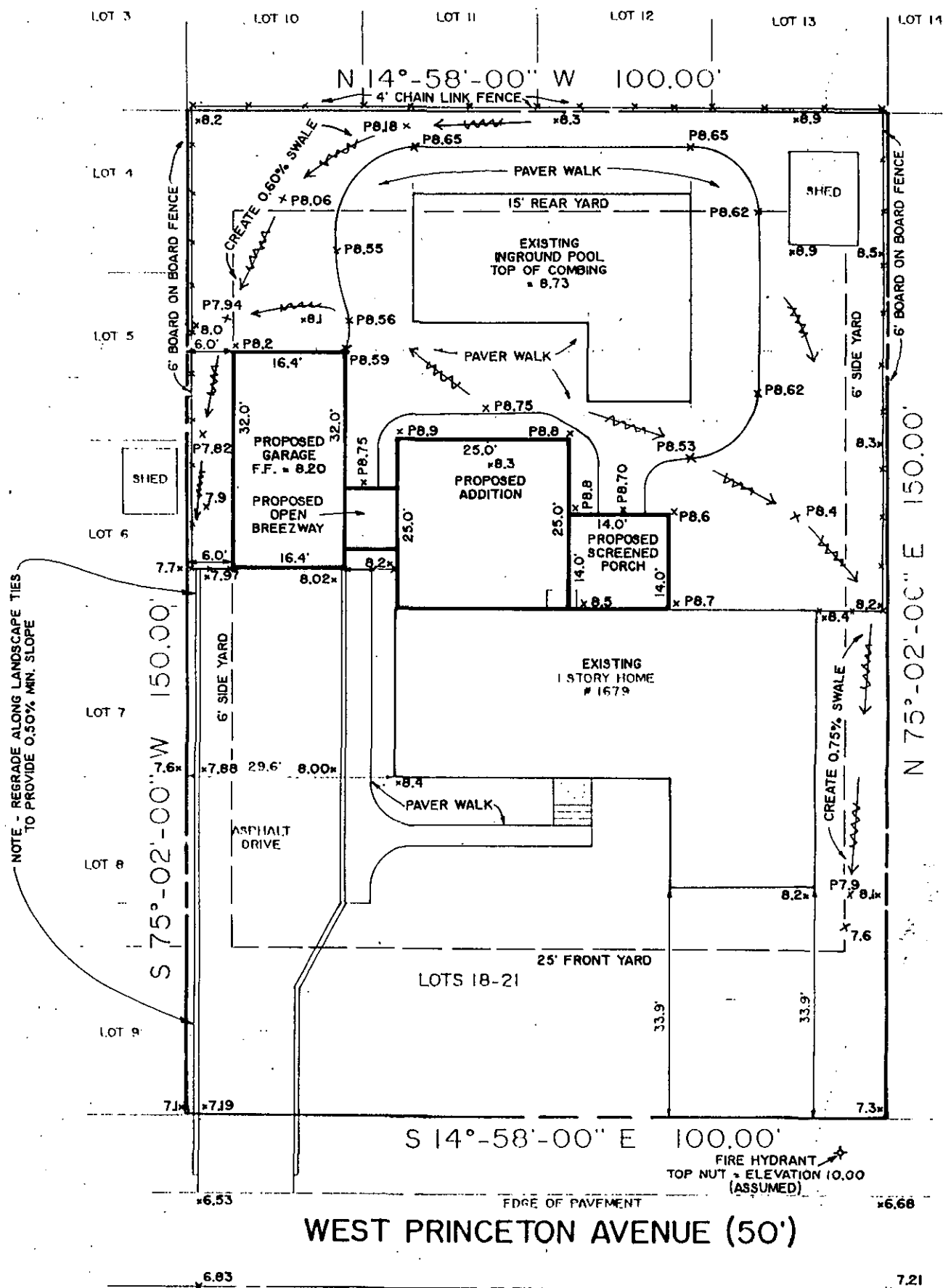
39,000 BTU GAS RANGE

- TOPOGRAPHICAL SURVEY INFORMATION REFLECTED ON THIS PLAN PERFORMED BY R. S. BUTRYN P.E. & L.S., #27445 ON 4-3-2002
- PROPERTY SURVEY INFORMATION BASED ON "SURVEY OF PROPERTY, LOTS 18, 19, 20 & 21, BLOCK 836, BRICK TOWNSHIP, OCEAN COUNTY, NEW JERSEY" BY R. W. POST, L.S., #28534, DATED 10-15-92
- PROVIDE 4' (MIN.) CHAIN LINK OR BOARD FENCE AROUND POOL TO PREVENT ENTRY BY CHILDREN AND PETS



NOTES:

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- PROVIDE 4' (MIN.) CHAIN LINK OR BOARD FENCE AROUND POOL TO PREVENT ENTRY BY CHILDREN AND PETS



PLOT PLAN

LOTS 18-21, BLOCK 836
BRICK TOWNSHIP
OCEAN COUNTY, NEW JERSEY

RICHARD S. BUTRYN

PROFESSIONAL ENGINEER & LAND SURVEYOR
749 SCHOOLHOUSE ROAD, BRICK, NEW JERSEY, 08724
(732) 836-9200, N.J., LICENSE # 27445

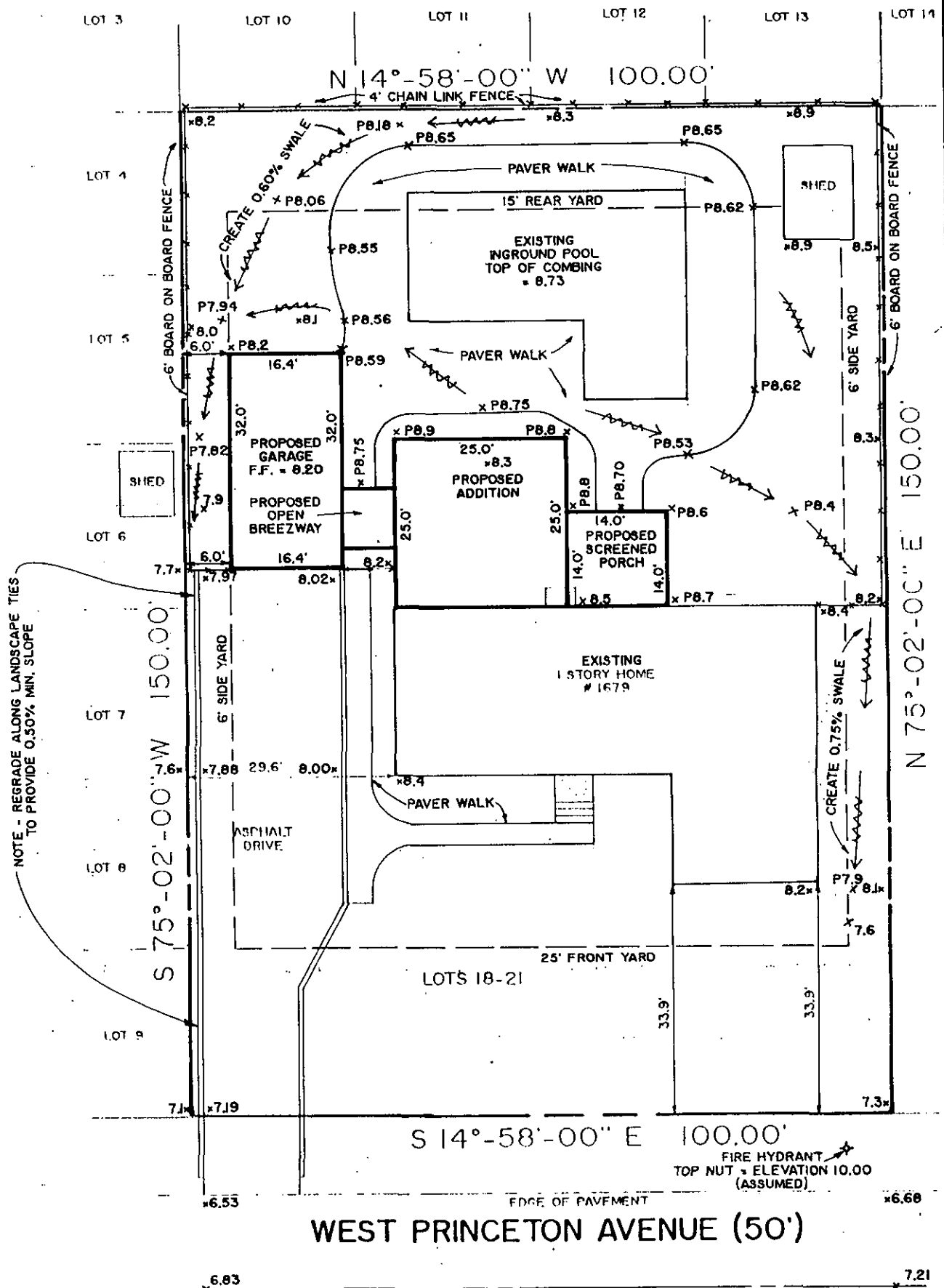
[Signature]

4-3-02

JOB No.	2143	DR. BY	U.R.
SCALE	1"=20'	DATE	4-3-02

NOTES:

- TOPOGRAPHICAL SURVEY INFORMATION REFLECTED ON THIS PLAN PERFORMED BY R. S. BUTRYN P.E. & L.S. #27445 ON 4-3-2002
- PROPERTY SURVEY INFORMATION BASED ON "SURVEY OF PROPERTY, LOTS 18, 19, 20 & 21, BLOCK 836, BRICK TOWNSHIP, OCEAN COUNTY, NEW JERSEY" BY R. W. POST, L.S. #28534, DATED 10-15-92
- PROVIDE 4' (MIN.) CHAIN LINK OR BOARD FENCE AROUND POOL TO PREVENT ENTRY BY CHILDREN AND PETS



PLOT PLAN

LOTS 18-21, BLOCK 836
BRICK TOWNSHIP
OCEAN COUNTY, NEW JERSEY

RICHARD S. BUTRYN

PROFESSIONAL ENGINEER & LAND SURVEYOR
749 SCHOOLHOUSE ROAD, BRICK, NEW JERSEY, 08724
(732) 836-9200, N.J., LICENSE # 27445

Richard S. Butryn

4-3-02

JOB No.	2143	DR. BY	U.R.
SCALE	1"=20'	DATE	4-3-02

Applicable to Ordinance 728-92

This form must be handed in with permit application or a permit will not be issued.

TOWNSHIP OF DRICK

1679 WEST PRINCETON AVE 836 18
Work Site Address Block Lot

Mr+Mrs. EDWARD J. SERAFIN JR. 1679 WEST PRINCETON
Owner's Name, Address, Phone

SAME
Contractor's Name, Address, Phone

Construction Single Family
Describe type (Single -family home, etc.)

Demolition EXISTING DECK - 25' SECTION OF 2' ROOF SOFFIT.
Describe type (Structure, roof, siding, etc.)

Describe type and estimated quantity of material. 1300 ASPHALT ROOF SHINGLE - TREATED

LUMBER, OLD SIDING, PLYWOOD ON EXTERIOR WALL

Name, address and phone of party responsible for removal of debris:

H+O ROSETTO, INC.

Size of dumpster: 10 YARD.

Destination of discarded debris: OCEAN COUNTY LANDFILL

Hauler's DEP Permit No.: NJ DEP 1517222 S.W. 1955

**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 Drick along with tipping receipts for non-recyclable material.

Generator's Certification: Under penalty of criminal and civil prosecution, for the making or submission 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.

EDWARD J. SERAFIN JR. Edward J. Serafin Jr.
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

Counter Form
PLEASE PRINT

PLUMBING

Contractor: Allen's Plumbing & Heating
Address: 9 Main St Manassas VA
Phone #: [REDACTED]
Lis #: 11073
Federal Emp # or SSN: [REDACTED]

Technical Data

Fixtures Quantity

Water Closets 1
Urinals/Bidets _____
Bath Tub _____
Lavatory 1
Shower _____
Floor Drain _____
Sink _____
Dishwasher _____
Drinking Fountain _____
Washing Machine _____
Hose Bib _____
Gas Piping 1
Fuel Oil Piping _____
Water Heater _____
Steam Boiler _____
Hot Water Boiler _____
Sewer Pump _____
Interceptor/Separator _____
Backflow Preventer _____
Grease trap 1
Water Cooled A/C or Refrig. Unit 1
Septic Tank Closure _____
Sewer Service Connection _____
Water Service Connection _____
Active Solar System _____
Auxiliary Meter _____
Sprinkler Heads _____
Sump Pump _____
Other: _____

Estimated Cost of Plumbing Work 2,100

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: Allen D Hawkins
Please Print Name: Allen D Hawkins

CONTRACTOR'S SEAL

FIRE

Contractor: Edward J. Serafin Jr. (Homeowner)
Address: 1679 W. Princeton Ave
Phone #: [REDACTED]
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: Existing Laundry Room
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 2 Existing
Heat Detectors _____
Total _____

Stand Pipes _____
Kitchen Hood Exhaust System Existing

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

Gas/ Oil Fired Appliances:
Number of gas/oil fired appliances 4

Furnace _____
Gas/Wood Fireplace 1
Gas Logs 1 New
Wood Burning Stove _____
Other: _____

Estimated Cost of Fire Work 0

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: Edward J. Serafin Jr.
Print Name: Edward J. Serafin Jr.

Township of Brick

Counter Form
(PLEASE PRINT)

Site Location: 1679 WEST PRINCETON AVE
 Block: 836 Lot: 18
 Owner's Name: MR. + MRS. EDWARD J. SERAFIN JR.
 Owner's Mailing Address: JAME
 Phone: [REDACTED]

BUILDING

Contractor: EDWARD J. SERAFIN (HOMEOWNER)
 Address: 1679 WEST PRINCETON AVE
BRICK
 Phone#: [REDACTED]
 Lis #: [REDACTED]
 Federal Emp # or SSN: [REDACTED]

Technical Data

Description of Work: REMOVE EX. BELCH + OVERHANG FROM HOUSE. CONSTRUCT 25'x25' ADDITION TO REAR OF HOUSE. ADDITION TO INCLUDE 1/2 BATH, NEW FAMILY ROOM WITH GAS FIREPLACE + REAR ENTRY AREA INTO EX. HOUSE. 14'x14' SCREENED IN PORCH TO BE CONSTRUCTED ON NORTH SIDE OF EDITION. 17'x32' GARAGE TO BE CONSTRUCTED ON SOUTH SIDE OF EDITION CONNECTED BY SMALL ROOF FORMING OPEN BREEZEWAY.

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: ONE
 Height of Structure: 16'
 Area of the largest floor: 1760 sq'
 Area of New Building: 625 ADD. 544 GARAGE = 1169 sq'
 Volume of Structure:
 Total Land Disturbed: 1169 sq'
 Cost of Alteration: 13,000
 Cost of New Building: 15,000
 Total Cost of Building Work: 18,000

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: Edward J. Serafin Jr.
 Please Print Name: EDWARD J. SERAFIN JR.

ELECTRICAL

Contractor: ERIC G. LARSON JR. Elect Contractor Inc
 Address: 451 Northampton Blvd
T. 12 N. J. 08157
 Phone#: 732 505-1636
 Lis #: 1135013
 Federal Emp # or SSN: 22-3399021

Technical Data

Item	Quantity
Lighting Fixtures	29
Receptacles	24
Switches	18
Detectors	
Light Poles	
Motors w/ Fract. HP	
Emergency & Exit Lights	
Communication Points	
Alarm Devices/FAC Panel	
Total	

Pool	
Spa/Hot Tub/Storable Pool	
Electric Range	KW
Oven/Surface Unit	KW
Electric Water Heater	KW
Electric Dryer	KW
Dishwasher	KW
Garbage Disposal	HP
A/C Unit - Central Air	2 5 KW
Space Heater/Air Handler	2 .4 KW
Baseboard Heating	KW
Motors 1+ HP	
Transformer/Generator	KW
Light Stander	AMP
Service	AMP
Subpanel	1 60 AMP
Motor Control Center	AMP
Sign/Outline Light	KW
Furnace	
Steam Boiler	
Other:	

Estimated Cost of Electrical Work: 2,000

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: Eric G. Larson Jr.
 Please Print Name: ERIC G. LARSON JR.

CONTRACTOR'S SEAL