



I. IDENTIFICATION

1. Proposed Work Site at: 10 Cedarbridge Ave. (City) Princeton
2. Name of Owner in Fee: Townhall Shopping Center Tel. (732) 886-1500
Address 1195 Rt. 76 S-2000 Lakewood, NJ 08701
street municipality zip code
3. Ownership in Fee: Public _____ Private ✓
4. Principal Contractor: R. Stang & Company Tel. (732) 244-6771
Address 10 Madison Ave. Trenton, NJ 08615
- License No. OR, if new home, Builder Reg. No. 5097 Exp. Date 07/01
- Federal Employee No. 22-2213402 FAX: (732) 244-5526
5. Architect or Engineer Barber Associates Tel. (732) 477-7751
Address 92 Montaloking Road Brick, NJ 08723
6. Responsible Person in Charge of Work Robert E. Stang, Jr.
Tel. (732) 244-6771 ✓ FAX (732) 244-5526

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

1. Number of Stories 2

2. Height of Structure 25

3. Area — Largest Floor 10,620 sq. ft.

4. New Building Area 21,240 sq. ft.

5. Volume of New Structure 293,725 cu. ft.

6. Construction Classification R-Business

7. Total Land Area Disturbed 35,606 sq. ft.

8. Flood Hazard Zone _____

9. Base Flood Elevation _____

10. Wetlands yes _____
 no _____

11. Max. Live Load _____

12. Max. Occupancy Load _____

COMMERCIAL

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

TOTAL COSTS

1. ☐ Partial Releases

2. ☐ Prototype Processing

Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re- viewer	Resubmission Dates		Re- viewer
					Approval	Rejection	
<i>JK</i>	<i>11/16/00</i>		<i>2-5-01</i>	<i>129</i>			
			<i>531-01</i>	<i>Dr</i>			
			<i>6/12/01</i>	<i>Dr</i>			
<i>Eng</i>	<i>11/22/01</i>		<i>11/22/01</i>	<i>129</i>		<i>6/13/01</i>	<i>129</i>

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

2. ☐ High Pressure Boilers

3. ☐ Pressure Vessels

4. ☐ Refrigeration Systems

5. ☐ Cross-Connections/Backflow Preventers

6. ☐ Hazardous Uses/Places of Assembly

7. ☐ Sprinklers

8. ☐ Smoke Control Systems in Open Wells

9. ☐ Underground Storage Tanks

A. RESIDENTIAL

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

No. of dwelling units:

Before Construction

After Construction

Net Gain or Loss

B. NON-RESIDENTIAL

1. State Specific Use:

- 2. Use Group:**

- 3. Change in Use Group, Indicate Former:**

CERTIFICATION IN LIEU OF OATH

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

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

Mark the following applicable boxes:

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

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

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

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

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

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

I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

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

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

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

Signature _____ Date _____

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

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

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

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

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

- ☐ Check if contractor.

Agent Name R STONE

Address 16 MADISON AVE

Tom's River

Telephone 732) 244 6771

Signature R Stone

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

OFFICE DATE RECEIVED: _____

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

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

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

X. CERTIFICATES ISSUED (office use only)

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



CONSTRUCTION PERMIT APPLICATION

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

I. IDENTIFICATION

1. Proposed Work Site at: 960 Cedarbridge Ave.

2. Name of Owner: Technical Support Data Venture Tel: (732) 876-1550
Address: 1195 Rt. 14 S-2000

3. Ownership in Fee: Public Private Municipality ZIP code

4. Principal Contractor: R. S. & Sons, Inc. Tel: (732) 244-6771
Address: 16 Maple Ave. Bensenville, IL 60015

License No. OR, if new home, Builder Reg. No. 5697 Exp. Date 07/01
Federal Employee No. 22-2213402 FAX: (732) 244-5526
Architect or Engineer: Paul F. Asciendis Tel: (732) 477-7751
Address: 92 Maple Rd. Bricktown, NJ 08723

6. Responsible Person in Charge of Work: B.S. State FAX: (732) 244-5526
Tel: (732) 244-6771

Electrical work

Site only

II. PROPOSED WORK

	Est. Cost
1. ☐ Minor Work	
2. ☐ New Building	
3. ☐ Addition	
4. ☐ Alteration	
5. ☐ Fire Protection	
6. ☐ Plumbing	
7. ☐ Electrical (Site)	<u>76,000</u>
8. ☐ Elevator Devices	
9. ☐ Asbestos Abat. Subch. 8	
10. ☐ Lead Hazard Abatement	
11. ☐ Demolition	
TOTAL COSTS	<u>76,000</u>

III. DO YOU WANT: (optional)

1. ☐ Partial Releases

2. ☐ Prototype Processing

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

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

2. ☐ High Pressure Boilers

3. ☐ Pressure Vessels

4. ☐ Refrigeration Systems

5. ☐ Cross-Connections/Backflow Preventers

6. ☐ Hazardous Uses/Places of Assembly

7. ☐ Sprinklers

8. ☐ Smoke Control Systems in Open Walls

9. ☐ Underground Storage Tanks

V. FEE SUMMARY (for office use only)

	Update	Update
1. Building	<u>45</u>	
2. Electrical		
3. Plumbing		
4. Fire Protection		
5. Elevator Devices		
6. Subtotal		
7. Less 20% for State Plan Review		
8. Subtotal		
9. DCA Training Fee		
10. Subtotal		
11. Cert. of Occupancy		
12. Other		
13. TOTAL	<u>45</u>	

VI. BUILDING/SITE CHARACTERISTICS

1. Number of Stories: _____

2. Height of Structure: _____ ft.

3. Area - Largest Floor: _____ sq. ft.

4. New Building Area: _____ sq. ft.

5. Volume of New Structure: _____ cu. ft.

6. Construction Classification: _____

7. Total Land Area Disturbed: _____ sq. ft.

8. Flood Hazard Zone: _____

9. Base Flood Elevation: _____ ft.

10. Wetlands: yes no

11. Max. Live Load: _____

12. Max. Occupancy Load: _____

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL

1. ☐ Hotels (R-1)

2. ☐ Multi-Family (R-2)

3. ☐ Two-Family (R-3) BOCA

4. ☐ Two-Family (R-4) CABO

5. ☐ One-Family (R-3) BOCA

6. ☐ One-Family (R-4) CABO

No. of dwelling units: _____

Before Construction: _____

After Construction: _____

Net Gain or Loss: _____

B. NON-RESIDENTIAL

1. State Specific Use: _____

2. Use Group: _____

3. Change in Use Group, Indicate Former: _____

CERTIFICATION IN LIEU OF OATH

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

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

Mark the following applicable boxes:

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

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

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

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

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

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

I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

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

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

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

Signature _____ Date _____

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

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

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

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

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

☒ Check if contractor.

Agent Name R. Stone & Company / Robert E. Stone

Address 16 Madison Ave.

Toms River NJ 08753

Telephone (732) 244-6771

Signature [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			X	X	X	X	X	X	
☐ Planning Board			X	X	X	X	X	X	
☐ Zoning Board			X	X	X	X	X	X	
☐ Sewer Authority			X	X	X	X	X	X	
☐ Water Authority			X	X	X	X	X	X	
☐ Police Department			X	X	X	X	X	X	
☐ Health Department			X	X	X	X	X	X	
☐ Soil Conservation			X	X	X	X	X	X	
☐ N.J. Department of Community Affairs			X	X	X	X	X	X	
☐ N.J. Department of Transportation			X	X	X	X	X	X	
☐ N.J. Department of Environmental Protection			X	X	X	X	X	X	
☐ Utility Dig No.			X	X	X	X	X	X	
☐			X	X	X	X	X	X	
☐			X	X	X	X	X	X	

IX. SUBCODES AND SPECIAL REGULATIONS APPLICABLE (office use only—optional)	
Name of Code & Edition	Name of Code & Edition
Building _____	Energy _____ Other _____
Electrical _____	Barrier Free _____
Plumbing _____	Flood Hazard _____
Fire Protection _____	As Built Elevation Cert. _____
Mechanical _____	Other _____

X. CERTIFICATES ISSUED (office use only)	DATE ISSUED	DATE EXPIRED	DATE REISSUED	DATE EXPIRED
☐ Temporary Certificate of Occupancy	No. _____	_____	_____	_____
☐ Temporary Certificate of Compliance	No. _____	_____	_____	_____
☐ Continued Certificate of Occupancy	No. _____	_____	_____	_____
☐ Certificate of Compliance	No. _____	_____	_____	_____
☐ Certificate of Occupancy	No. _____	_____	_____	_____
☐ Certificate of Approval	No. _____	_____	_____	_____
☐ Lead Abatement Clearance Certificate	No. _____	_____	_____	_____

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
CERTIFICATE

Date Issued 10/18/2002
Control #
Permit # 01-2196

IDENTIFICATION

Block 670 Lot 9.039.01 Qual
Work Site Location 940 CEDAR BRIDGE AVE
NEW BUILDING - OFFICES
Owner in Fee/Occupant NINTH VENTURE
Address 1195 ROUTE 70, S-2000
LAKEWOOD, NJ 08701-
Telephone (732)886-1500
Contractor R STONE AND COMPANY
Address 36 WASHINGTON ST SUITE 1
TOMS RIVER, NJ 08753-
Telephone (732)244-6771 Fax ()
Lic. No. or Bldgs. Reg. No. 5097
Federal Emp. No. 22-2213402

Home Warranty No.
Type of Warranty Plan: ☐ State ☒ Private
Use Group B
Maximum Live Load 0
Construction Classification
Maximum Occupancy Load 0
Description of Work/Use:

☐ CERTIFICATE OF OCCUPANCY

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☐ CERTIFICATE OF CLEARANCE - LEAD ABATEMENT 5:17

This serves notice that based on written certification, lead abatement was performed as per NMAC 5:17, to the following extent:
☐ Total removal of lead-based paint hazards in scope of work
☐ Partial or limited time period () years; see file

☐ CERTIFICATE OF APPROVAL

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved.
If the permit has issued for minor work, this certificate was based upon what was visible at the time of inspection.

☐ CERTIFICATE OF CONTINUED OCCUPANCY

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☒ TEMPORARY CERTIFICATE OF OCCUPANCY/COMPLIANCE

If this is a Temporary Certificate of Occupancy or Compliance, the following conditions must be met no later than May 1, 2003 or the owner will be subject to fine or order to vacate:
COMPLIANCE W/DC SOIL

☐ CERTIFICATE OF COMPLIANCE

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until .

Fee \$ 962
Paid ☒ Check No. 372
Collected by: DC

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

Date Issued 09/27/2002
Control #
Permit # 01-1910

UCC NEW JERSEY
CERTIFICATE

IDENTIFICATION

Block 670 Lot 9.04
Work Site Location 920 CEDARBRIDGE AVE
NEW BUILDING
Owner in Fee/Occupant NINTH VENTURE
Address 1195 ROUTE 70 S-2000
LAKEWOOD, NJ 08701-
Telephone (732)886-1500
Contractor R STONE AND COMPANY
Address 36 WASHINGTON ST SUITE 1
TOMS RIVER, NJ 08753-
Telephone (732)244-6771 Fax ()
Lic. No. or Bldrs. Reg. No. 5097
Federal Exp. No. 22-2213402

Home Warranty No.
Type of Warranty Plans [] State [] Private
Use Group I-2
Maximum Live Load 0
Construction Classification
Maximum Occupancy Load 0
Description of Work/Use:

[] CERTIFICATE OF OCCUPANCY

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

[] CERTIFICATE OF CLEARANCE - LEAD ABATEMENT 5:17

This serves notice that based on written certification, lead abatement was performed as per N.J.A.C. 5:17, to the following extent:
[] Total removal of lead-based paint hazards in scope of work
[] Partial or limited time period (____ years); see file

[] CERTIFICATE OF APPROVAL

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved.
If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

[] CERTIFICATE OF CONTINUED OCCUPANCY

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

[X] TEMPORARY CERTIFICATE OF OCCUPANCY/COMPLIANCE

If this is a Temporary Certificate of Occupancy or Compliance, the following conditions must be met no later than October 13, 2002 or the owner will be subject to fine or order to vacate:

[] CERTIFICATE OF COMPLIANCE

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until _____.

OC SDIL COMPLIANCE


CONSTRUCTION OFFICIAL

U.C.C. F260 (rev. 3/96)

Fee \$ 401
Paid [X] Check No. 368
Collected by: IL

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
CERTIFICATE

IDENTIFICATION

Block 670 Lot 9.039.01 Qual
Work Site Location 940 CEDAR BRIDGE AVE
NEW BUILDING - OFFICES
Owner in Fee/Occupant NINTH VENTURE
Address 1195 ROUTE 70, S-2000
LAKEWOOD, NJ 08701-
Telephone (732)886-1500
Contractor R STONE AND COMPANY
Address 36 WASHINGTON ST SUITE 1
TOMS RIVER, NJ 08753-
Telephone (732)244-6771 Fax ()
Lic. No. or Bldrs. Reg. No. 5097
Federal Emp. No. 22-2213402

Date Issued 08/01/2002
Control #
Permit # 01-2196

Home Warranty No.
Type of Warranty Plan: ☐ State ☐ Private
Use Group B
Maximum Live Load 0
Construction Classification
Maximum Occupancy Load 0
Description of Work/Use:

CONSTRUCTION OF PROFESSIONAL OFFICE BUILDING

☐ CERTIFICATE OF OCCUPANCY

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☐ CERTIFICATE OF CLEARANCE - LEAD ABATEMENT 5:17

This serves notice that based on written certification, lead abatement was performed as per NJAC 5:17, to the following extent:
☐ Total removal of lead-based paint hazards in scope of work
☐ Partial or limited time period (____ years); see file

☐ CERTIFICATE OF APPROVAL

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

☐ CERTIFICATE OF CONTINUED OCCUPANCY

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☒ TEMPORARY CERTIFICATE OF OCCUPANCY/COMPLIANCE

If this is a Temporary Certificate of Occupancy or Compliance, the following conditions must be met no later than October 1, 2002 or the owner will be subject to fine or order to vacate:

FINAL ENGINEERING, O.C. SOIL & FINAL FIRE

8/14/02
b/c

☐ CERTIFICATE OF COMPLIANCE

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until _____, ____.

Fee \$ 962
Paid ☒ Check No. 372
Collected by: DC

CONSTRUCTION OFFICIAL
U.C.C. F260 (rev. 3/96)

James H. Henry

DR BRICK
CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

Office
Chadler

UCC NEW JERSEY
CERTIFICATE

Date Issued 04/29/2003
Control #
Permit # 01-2196.2

IDENTIFICATION

Block 670 Lot 9.039.01 Qual
Work Site Location 940 CEDAR BRIDGE AVE
NEW BUILDING - OFFICES
Owner in Fee/Occupant NINTH VENTURE
Address 1195 ROUTE 70, S-2000
LAKEWOOD, NJ 08701-
Telephone (732)886-1500
Contractor R STONE AND COMPANY
Address 36 WASHINGTON ST SUITE 1
TOMS RIVER, NJ 08753-
Telephone (732)244-6771 Fax ()
Lic. No. or Bldrs. Reg. No. 5097
Federal Emp. No. 22-2213402

[X] CERTIFICATE OF OCCUPANCY

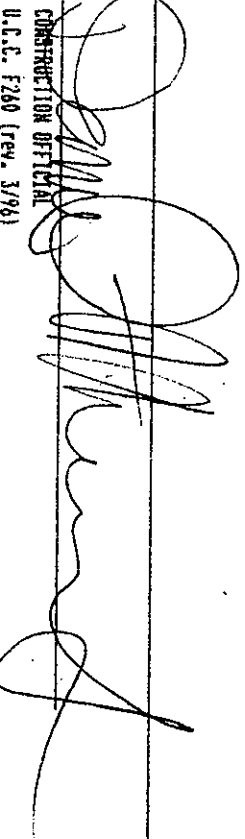
This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

[] CERTIFICATE OF APPROVAL

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

[] TEMPORARY CERTIFICATE OF OCCUPANCY/COMPLIANCE

If this is a Temporary Certificate of Occupancy or Compliance, the following conditions must be met no later than _____ or the owner will be subject to fine or order to vacate:


CONSTRUCTION OFFICIAL
U.C.C. F260 (rev. 3/96)

Home Warranty No. N/A

Type of Warranty Plan: [] State [X] Private

Use Group B

Maximum Live Load 0

Construction Classification

Maximum Occupancy Load 0

Description of Work/Use:

CONSTRUCTION OF PROFESSIONAL OFFICE BUILDING

[] CERTIFICATE OF CLEARANCE - LEAD ABATEMENT 5:17

This serves notice that based on written certification, lead abatement was performed as per NJAC 5:17, to the following extent:

[] Total removal of lead-based paint hazards in scope of work
[] Partial or limited time period (____ years); see file

[] CERTIFICATE OF CONTINUED OCCUPANCY

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

[] CERTIFICATE OF COMPLIANCE

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until _____.

Fee \$ 962
Paid [X] Check No. 372
Collected by: DC

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
CONSTRUCTION
PERMIT

Date Issued 08/22/
Control #
Permit # 00-3398

IDENTIFICATION Block 670 Lot 9.01 Qual

Work Site Location 990 CEDAR BRIDGE AVE

Owner in Fee NINTH VENTURE

Address 1195 ROUTE 70, S-2000

Telephone (732)886-1500

Contractor
Address

Telephone ()

Lic. No. or Bldrs. Reg. No.

Federal Emp. No.

Is hereby granted permission to perform the following work:

- | | | |
|---|---|--|
| ☐ BUILDING | ☐ PLUMBING | ☐ LEAD HAZARD ABATEMENT |
| ☐ ELECTRICAL | ☐ FIRE PROTECTION | ☐ DEMOLITION |
| ☐ ELEVATOR DEVICES | ☐ ASBESTOS ABATEMENT | ☐ OTHER |

(Subchapter 8 only)

DESCRIPTION OF WORK:

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 \$ 0

Construction Official

08/22/2000
Date

U.C.C. #179 (rev. 3/96)

PAYMENTS (Office Use Only)

Building	
Electrical	
Plumbing	
Fire Protection	
Elevator Devices	
Other	
DCA Training Fee	
Cost. of Occupancy	
Other	
Total	
Check No.	
Cash	
Collected By	

Shade Tree Permit

Brick Township
Building Dept.
2022
10215

Township
Supplies

TOWNSHIP OF BRICE
401 CANNERS BRIDGE RD
DIVISION OF INSPECTIONS

Update Issued 07/25/2001
Control #
Permit # 01-219648
Permit Issued 06/20/2001

NEW JERSEY
PERMIT UPDATE

IDENTIFICATION Block 570 Lot 9.01 Insl _____

Work Site Location 340 CANNERS BRIDGE AVE
ELECTRICAL SITE WORK
Owner in Fee NUTR VENTURE
Address 1135 ROUTE 70, S-2000
HARRISBURG, PA 02701-
Telephone (732)886-1500
Contractor EDO-TECH ELECTRIC CORP
Address 72 S. FAYBROT ST
HARRISBURG, PA 07095-
Telephone (732)855-0255
Lic. No. or Bidts. Reg. No. 13176
Federal Emp. No. 13-3805764

Is hereby granted permission to perform the following work:
☐ BUILDING ☐ FURNISHING ☐ LEAD HEARD ABATEMENT
☒ ELECTRICAL ☐ FIRE PROTECTION ☐ DEMOLITION
☐ ELEVATOR DEVICES ☐ ASBESTOS ABATEMENT ☐ OTHER _____
(Subchapter 8 only)
DESCRIPTION OF WORK:
ELECTRICAL SITE WORK

Estimated Cost of Work \$ 70,000

Construction Official

P.C.C. #190 (rev. 3/96)

07/25/2001

Date

PAYMENTS (Office Use Only)
Building _____ 0
Electrical _____ 45
Plumbing _____ 0
Fire Protection _____ 0
Elevator Devices _____ 0
Other _____
DCI Training Fee _____ 0
Cert. of Occupancy _____ 0
Other _____
Total _____ 45
Check No. _____ 1337
Cash _____
Collected By _____ ECP

07/25/01 12:17PM 000000#5658
#012196
ELECTRIC
CHECK \$45.00
\$45.00

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

Update Issued 08/23/2002
Control 0
Permit 8 01-219648
Permit Issued 06/20/2001

NEW JERSEY
PERMIT UPDATE

IDENTIFICATION Block 670 Lot 9,039,01 Bus

Work Site Location 940 CEDAR BRIDGE AVE
Owner in Charge HINSH VENTURE
Address 1193 ROUTE 70, 3-2000
LANE HILL, NJ 08701-
Telephone (732) 986-1300
Contractor G.P.H. MECHANICAL INC
Address 9 CARLETON DRIVE
TOMS RIVER, NJ 08755-
Telephone (708) 397-8540
Lic. No. or Bldgs. Reg. No. 2948
Federal Emp. No. 22-3188274

I hereby granted permission to perform the following work:
☐ BUILDINGS ☐ PLUMBING ☐ LEAD HAZARD ABATEMENT
☐ ELECTRICAL ☐ FIRE PROTECTION ☐ DEMOLITION
☐ ELEVATOR DEVICES ☐ ASBESTOS ABATEMENT ☐ OTHER
 (Subchapter 3 only)

DESCRIPTION OF WORK:
WATER METER PIT
FOR DURING THIS WORK WILL BE DOING WORK AT LATER TIME
PITS ARE FOR 2 DIFFERENT BUILDING PERMITS 00-01-02

Estimated Cost of Work \$ 4,200

Construction Official *[Signature]* 08/23/2002

U.C.C. F190 (rev. 3/76)

Date

PAYMENTS (Office Use Only)
 Building 0
 Electrical 0
 Plumbing 0
 Fire Protection 35
 Elevator Devices 0
 Other
 UCA State Permit Fee 0
 Cert. of Occupancy 0
 Other
 Total 35
 Check No. 08186
 Cash
 Collected By M/R

08/23/02 2:51PM 01000084277
2002 SE 10, 002

02196
FIRE
CHECK
\$ 35.00
M/R

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
BUILDING
SUBCODE
TECHNICAL SECTION

Date Received 11/16/2000
Date Issued 11/16/2000
Control # C17-98
Permit # 012196

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

Block 670 Lot 9 at 9405 Qual
Work Site Location 940 CEDAR BRIDGE AVE

NEW BUILDING - OFFICES

Owner in Fee NINTH VENTURE
Address 1195 ROUTE 70, S-2000

LAKEMOOD, NJ 08701-

Tele. (732)886-1500

Contractor R SPONE AND COMPANY

Address 16 MADISON AVE

TOMS RIVER, NJ 08753-

Tele. (732)244-6771 Fax ()

Lic. No. of Bldgs. Reg. No. 5097

Federal Emp. No. 22-2713402

JOB SUMMARY (Office Use Only)

PLAN REVIEW Date Initial

[] No Plans Required *FM*

[X] All *2-25-01 FM*

[] Roofing

[] Foundation

[] Frame

[] Other

Joint Plan Review Required:

[] Elect [] Plumb [] Fire

SUBCODE APPROVAL [] Elev

[] CO [] CCO [] CA

Date: *2-31-01*

Approved By: *FM*

INSPECTIONS

Type Failure Failure Approval Initial

Footings

Foundation

Slab

Frame *core area only 11/16/02*

BarrierFree

Insulation

Finishes

Energy

Mechanical

TCO

Other *Above Ceil - 7/17/02*

Final *7-31-02*

BarrierFree *per DC*

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

CONSTRUCTION OF PROFESSIONAL OFFICE BUILDING

*Contractor to supply steel inspection
reports as well as concrete test
results to building 12/07*

FM

FEE (Office Use Only)

TYPE OF WORK

[X] New Building

[] Addition

[] Alteration

[] Roofing

[] Siding

[] Fence 0 Height (exceeds 6')

[] Sign 0 Sq. Ft.

[] Pool

[] Asbestos Abatement Subchapter 8

[] Lead Haz. Abatement NJAC 5:17

[] Other

[] Demolition

complete TOB 5/02

FM

7-31-02

*OFFICE
BUDG*

012196

BarrierFree

B. BUILDING CHARACTERISTICS

Use Group Present B Proposed B

Constr. Class Present Proposed

No. of Stories 0

Height of Structure 0 Ft.

Area largest floor 0 Sq. Ft.

New Bldg. Area/All Floors 21,240 Sq. Ft.

Volume of New Structure 293,725 Cu. Ft.

Total Land Area Disturbed 0 Sq. Ft.

Est. Cost of Bldg. Work:

1. New Bldg. \$ 750,000

2. Alteration \$ 0

3. Total (1+2) \$ 750,000

Industrialized Building:

[] State Approved

[] HUD

Administrative Surcharge

Minimum Fee

PAID [] Check #

Collected by: DCA Training Fee

U.C.C. 9110 (rev. 3/96)



**BUILDING
SUBCODE
TECHNICAL SECTION**

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

Block 670 000 Lot 901, 902, 903 (3 lots)

Work Site Location 9501 Cedarbridge Ave., Brick NJ

Owner in Fee 1195 Rt. 70 Township Shapes Joint Venture

Address LAUREL NJ 08701

Tele. (732) 886-1560

Contractor E. S. S. & Co., Inc.

Address 16 Mallon Ave., Fairview NJ 08453

Tele. (732) 244-8771 Fax (732) 244-5526

Lic. No. or Bldg. Reg. No. 5097

Federal Emp. No. 22-2213402

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPECTIONS	Dates (Month/Day)
			Type:	Failure Failure Approval Initial
☐ No Plans Required			Footings	
☐ All			Foundation	
☐ Footing			Slab	
☐ Foundation			Frame	
☐ Other			Barrier-Free	
Joint Plan Review Required:			Insulation	
☐ Elec.	☐ Plumb.	☐ Fire	Finishes	
SUBCODE APPROVAL			Energy	
☐ CO	☐ COO	☐ CA	Mechanical	
Date:			TCO	
Approved by:			Other	
			Final	
			Barrier-Free	

BUILDING CHARACTERISTICS

Use Group	Present	Proposed	Est. Cost of Bldg. Work:
Const. Class	Present	Proposed	1. New Bldg. \$
No. of Stories	2	25	2. Alteration \$
Height of Structure	10, 620	25	3. Total (1+2) \$
Area — Largest Floor	21,240		
Low Bldg. Area/All Floors	293,725		
Volume of New Structure			
Dist. Land Area Disturbed			



Date Received
Date Issued
Control #
Permit #

C. CERTIFICATION IN LIEU OF OATH

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

Signature

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

Construction of professional office building

TYPE OF WORK:

- ☒ New Building
- ☐ Addition
- ☐ Alteration
- ☐ Roofing
- ☐ Siding
- ☐ Fence
- ☐ Sign
- ☐ Pool
- ☐ Asbestos Abatement Subchapter 8
- ☐ Lead Haz. Abatement NJAC 5:17
- ☐ Other
- ☐ Demolition

FEE (Office Use Only)

Administrative Surcharge	\$
Minimum Fee	\$
DCA Training Fee	\$
TOTAL FEE	\$

U.C.C. F110
(rev. 3/00)

1 White = Inspector Copy
3 Pink = Office Copy

2 Green = Office Copy
4 Gold = Applicant Copy

Township Shapes

OWNERSHIP OF BRICK
21 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

NEW JERSEY
ELECTRICAL
SUBCODE
TECHNICAL SECTION

Date Received 12/12/2001
Date Issued 01/01/1995
Control # 9/25/01
Permit # 01-21964A

A. IDENTIFICATION-APPLICANT: COMPLETE ALL APPLICABLE INFORMATION WHEN CHANGING

Block 670 Lot 9.01 Quad

Work Site Location 940 CEDAR BRIDGE AVE

Owner in fee NINTH VENTURE

Address 1195 ROUTE 70, S-2000

LAKEMOOD, NJ 08701-

Tele. (732) 855-8855 Fax (732) 855-8865

Contractor PRO-TECH ELECTRIC CORP

Address 72 S FULTON ST

MOONBRIDGE, NJ 07095-

Tele. (732) 855-8855

Lic. No. of Bldg's Reg No 1378

Federal Emp. No. [REDACTED]

COMMERCIAL

B. ELECTRICAL CHARACTERISTICS

Use Group - Present 8 Proposed 8

[] Pole/Pad # [] Temporary [] Other

Building Occupied as Utility Co.

Estimated Cost of Electrical Work \$ 70,000

JOB SUMMARY (Office Use Only)

PLAN REVIEW

[] No Plans Required

Joint Plan Review Required:

[] Bldg [] Plumb

[] Fire [] Elevator

[] Elect Plans Approved

Date: 1-17-01

Approved By: [Signature]

UCCODE APPROVAL

[] CO [] CCO [] CA

Approved By: AS NOTED

Final Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

TECHNICAL SITE DATA

NO. SIZE

43

0

0

31

0

0

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0

74

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ITEM

Lighting fixtures

Receptacles

Switches

Detectors

Light Poles

Motors-Fract HP

Emergency & Exit Lights

Communications Points

Alarm Devices/F.A.C. Panel

TOTAL NUMBERS

Pool Permit/with UM Lights

Storable Pool/Spa/Hot Tub

KW Elect Range/Receptacle

KW Oven/Surface Unit

KW Elect Water Heater

KW Elect Dryer/Receptacle

KW Dishwasher

HP Garbage Disposal

KW Central A/C Unit

HP/KW Space Heater/Air Handler

Baseboard Heat

HP Motors 1/4 HP

KW Transformer/Generator

AMP Service

AMP Subpanels

AMP Motor Control Center

KW Elect Sign/Outline Light

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

FEE (Office Use Only)

0

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SITE
Lighting
only

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.

Paid [] Check #
Collected by: DCA Training Fee \$ 45
Administrative Surcharge \$ 0
Minimum Fee \$ 0
TOTAL FEE \$ 45



ELECTRICAL SUBCODE TECHNICAL SECTION



Date Received
Date Issued
Control #
Permit #

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

Block 670 Lot 9.01, 9.02, 9.03

Work Site Location 990 Cedarbridge Ave

Owner In Fee/Occupant Brille N.J.

Address 1195 RT. 70, N.J. 2000

Telephone 732 886-5500

Contractor PRO-TECH. ELECTRIC CORP.

Address 2000 BRIDGE ST.

Telephone 732 442-6336

Fax 732 442-7837

Lic. No. 1317

Federal Emp. No. [REDACTED]

B. ELECTRICAL CHARACTERISTICS

Use Group Present Proposed [REDACTED]

Building Occupied as [REDACTED] Temporary [REDACTED] Other [REDACTED]

Est. Cost of Elec. Work \$ 70,000.00 Utility Co. [REDACTED]

JOB SUMMARY (Office Use Only)

PLAN REVIEW Date [REDACTED] Initial [REDACTED] INSPECTIONS

☐ No Plans Required

Joint Plan Review Required: ☐ Building ☐ Plumbing ☐ Rough

☐ Fire ☐ Elevator ☐ Temp. Serv.

Date: [REDACTED] ☐ Elec. Plans Approved ☐ TCO ☐ Other

Approved by: [REDACTED] Service ☐ Final

SUBCODE APPROVAL Temp. Cut-In-Card Date Issued [REDACTED]

☐ CO ☐ CCO ☐ CA Final Cut-In-Card Date Issued [REDACTED]

Date: [REDACTED]

Approved by: [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.

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

Licensed Electrical Contractor ☐ Exempt Applicant ☐

Handwritten: 10/11/11
Site Lighting

D. TECHNICAL SITE DATA

QTY 43 SIZE [REDACTED] ITEMS

Lighting Fixtures

Receptacles

Switches

Detectors

Light Poles

Motors—Fract. HP

Emergency & Exit Lights

Communications Points

Alarm Devices/F.A.C. Panel

TOTAL NUMBERS 74

Pool Permit/with UW Lights

Storable Pool/Spa/Hot Tub

KW Elec. Range/Receptacle

KW Over/Surface Unit

KW Elec. Water Heater

KW Elec. Dryer/Receptacle

KW Dishwasher

HP Garbage Disposal

KW Central A/C Unit

HP/KW Space Heater/Air Handler

KW Baseboard Heat

HP Motors 1/4 HP

KW Transformer/Generator

AMP Service

AMP Subpanels

AMP Motor Control Center

KW Elec. Sign/Outline Light

FEE (Office Use Only)

Administrative Surcharge \$

Minimum Fee \$

DCA Training Fee \$

TOTAL FEE \$

Handwritten: SITE LIGHTING

U.C.C. F120
(rev. 3/89)

1 White = Inspector Copy
3 Pink = Office Copy

2 Canary = Office Copy
4 Gold = Applicant Copy

TOWN OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
ELECTRICAL
SECTION

Date Received 12/12/2001
Date Issued 07/25/2001
Control #
Permit # 01-2196+A

TECHNICAL SECTION

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

FEE (Office Use Only)

Block 670 Lot 9.01 Qual

Work Site Location 940 CEDAR BRIDGE AVE

NO. SIZE

ITEM

Lighting Fixtures
Receptacles
Switches
Detectors
Light Poles
Motors-Pract HP
Emergency & Exit Lights
Communications Points
Alarm Devices/F.A.C. Panel
TOTAL NUMBERS

ELECTRICAL SITE WORK

Owner in Fee NINTH VENTURE

Lighting Fixtures

Receptacles

Switches

Address 1195 ROUTE 70, S-2000

CLIFFWOOD, NJ 08701

Detectors

Light Poles

Motors-Pract HP

Telephone (732) 264-7200

Fax (732) 264-7200

Emergency & Exit Lights

Communications Points

Alarm Devices/F.A.C. Panel

Contractor PRECISION LINE ELECTRIC CORP

Address PO BOX 607

TOTAL NUMBERS

Pool Permit/with OW Lights

Storable Pool/Spa/Hot Tub

CLIFFWOOD, NJ 07721

Lic. No. or Bltgs. Reg. No. 11381

KW Elect Range/Receptacle

KW Oven/Surface Unit

KW Elect Water Heater

Federal Emp. No. 22-3785695

Use Group - Present B Proposed B

KW Elect Dryer/Receptacle

KW Dishwasher

HP Garbage Disposal

Building Occupied as

Utility Co.

HP/KW Central A/C Unit

HP/KW Space Heater/Air Handler

Baseboard Heat

Estimated Cost of Electrical Work \$ 70,000

Common Area

HP Motors 1/4 HP

KW Transformer/Generator

AMP Service

JOBS SUMMARY (Office Use Only)

PLAN REVIEW

AMP Subpanels

AMP Motor Control Center

KW Elect Sign/Outline Light

Joint Plan Review Required:

Other

Other

Other

Approved By:

Subcode Approval

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Date:

Approved By:

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

CO

CCO

CA

CA

Approved By:

Subcode Approval

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Date:

Approved By:

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Approved By:

Subcode Approval

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Date:

Approved By:

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Approved By:

Subcode Approval

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Date:

Approved By:

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Approved By:

Subcode Approval

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Date:

Approved By:

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Approved By:

Subcode Approval

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Date:

Approved By:

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Approved By:

Subcode Approval

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Date:

Approved By:

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Approved By:

Subcode Approval

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Date:

Approved By:

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Approved By:

Subcode Approval

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Date:

Approved By:

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Approved By:

Subcode Approval

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Date:

Approved By:

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Approved By:

Subcode Approval

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Date:

Approved By:

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Approved By:

Subcode Approval

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Date:

Approved By:

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Approved By:

Subcode Approval

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Date:

Approved By:

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Approved By:

Subcode Approval

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued



**ELECTRICAL
SUBCODE
TECHNICAL SECTION**



Date Received
Date Issued
Control #
Permit #

6201
01-2196

*Tommy
Dugger*

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

Block 670 Lot 9.01, 9.02, 9.03, 9.04
Work Site Location 670 Cedarbridge Ave

Owner In Fee/Occupant Allyl Deane Townships Joint Venture
Address 195 4th. 70 S-200

Approved NO 0701
Tel: (732) 886-1500
Contractor PRO-TECH. ELECTRIC CORP John
Address 72 SO. FULTON ST. C 732 522-8666

Tele: (732) 442-6334 Fax (732) 442-7837
Lic. No. 13170
Federal Emp. No. [REDACTED]

B. ELECTRICAL CHARACTERISTICS

Use Group Present Proposed
☐ Pole/Pad # ☐ Temporary ☐ Other
Building Occupied as Utility Co.
Est. Cost of Elec. Work \$ 48,000.00

JOB SUMMARY (Office Use Only)	
PLAN REVIEW	DATE INITIAL
☐ No Plans Required	INSPECTIONS
Joint Plan Review Required:	Type: <u> </u> Failure <u> </u> Approval <u> </u> Initial <u> </u>
☐ Building ☐ Plumbing	Rough <u> </u>
☐ Fire ☐ Elevator	Temp. Serv. <u> </u>
☐ Elec. Plans Approved	Constr. Serv. <u> </u>
Date: <u>6-12-01</u>	TCO <u> </u>
Approved by: <u>[Signature]</u>	Other <u> </u>
	Service <u> </u>
	Final <u> </u>
SUBCODE APPROVAL	Temp. Cut-In-Card Date Issued <u>5702</u>
☐ CO ☐ CCO ☐ CA	Final Cut-In-Card Date Issued <u> </u>
Date: <u> </u>	
Approved by: <u> </u>	

C. CERTIFICATION 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

QTY	SIZE	ITEMS
40		Lighting Fixtures
20		Receptacles
8		Switches
		Detectors
		Light Poles
		Motors—Fract. HP
		Emergency & Exit Lights
		Communications Points
		Alarm Devices/F.A.C. Panel
116		TOTAL NUMBERS
		Pool Permit/With UW Lights
		Storable Pool/Spa/Hot Tub
		KW Elec. Range/Receptacle
		KW Over/Surface Unit
		KW Elec. Water Heater
		KW Elec. Dryer/Receptacle
		KW Dishwasher
		HP Garbage Disposal
10	1014W	KW Central A/C Unit
10	5	HP/KW Space Heater/Air Handler
		KW Baseboard Heat
		HP Motors 1/4 HP
14		KW Transformer/Generator
		KW Subpanels
1	150AMP	AMP Motor Control Center
		KW Elec. Sign/Outline Light

Administrative Surcharge	\$
Minimum Fee	\$
DCA Training Fee	\$
TOTAL FEE	\$

COMMERCIAL

FEE (Office Use Only)

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
ELECTRICAL
SUBCODE
TECHNICAL SECTION

Date Received 07/05/2002
Date Issued 7/18/02
Control # C09-67
Permit # 02-2680

A. IDENTIFICATION-APPLICANT: COMPLETE ALL APPLICABLE INFORMATION, WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE, CALL UTILITY DIG NO: 1-800-212-1000

D. TECHNICAL SITE DATA

FEE (Office Use Only)

Block 670 Lot 9.03 Qual

Work Site Location 940 CEDAR BRIDGE AVE
INTERCOM/SECURITY SYSTEM

Owner in Fee VENTURE LLC C/OPARAMONT REALTY
Address 1195 ROUTE 70
LAKEMOOD, NJ 08701-

Telephone (201) 931-1100 Fax ()
Contractor ACCESS GRANTED
Address PO BOX 693
LITTLE FERRY, NJ 07643-

Telephone (201) 931-1100
Lic. No. or Bldgs. Reg. No. 9988
Federal Emp. No.

Use Group - Present U Proposed U
[] Pole/Pad # [] Temporary [] Other
Building Occupied as Utility Co.
Estimated Cost of Electrical Work \$ 5,000

B. ELECTRICAL CHARACTERISTICS
No Plans Required
Joint Plan Review Required:
[] Bldg [] Plumb
[] Fire [] Elevator
[] Elect Plans Approved
Date: 7/18/02

Approved By: [Signature]
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 and perform the work listed on this application.

APPLICANT'S SIGNATURE/CONTRACTOR'S SEAL AND SIGNATURE
[] Licensed Electrical Contractor [] Exempt Applicant

INSPECTIONS
Type Failure Failure Approval Initial
Rough
Temp Serv
Const Serv
TCO
Other
Service
Final

Temp. Cut-in-Card Date Issued
Final Cut-in-Card Date Issued

NO. SIZE ITEM

Lighting Fixtures
Receptacles
Switches
Detectors
Light Poles
Motors-Fract HP
Emergency & Exit Lights
Communications Points
Alarm Devices/F.A.C. Panel

TOTAL NUMBERS
Pool Permit/with UW Lights
Storable Pool/Spa/Hot Tub
KW Elect Range/Receptacle
KW Oven/Surface Unit
KW Elect Water Heater
KW Elect Dryer/Receptacle
KW Dishwasher
HP Garbage Disposal
KW Central A/C Unit
HP/KW Space Heater/Air Handler
Baseboard Heat
HP Motors 1/2 HP
KW Transformer/Generator
AMP Service
AMP Subpanels
AMP Motor Control Center
KW Elect Sign/Outline Light
Other
Other

Administrative Surcharge \$ 0
Minimum Fee \$ 0
TOTAL FEE \$ 35
DCA Training Fee \$ 4

U.C.C. F120 (rev. 3/96)

U.C.C. F120 (rev. 3/96)

U.C.C. F120 (rev. 3/96)

U.C.C. F120 (rev. 3/96)

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
ELECTRICAL
SUBCODE
TECHNICAL SECTION

OFFICE
Date Received 06/28/2002
Date Issued 7/1/0102
Control # C02-67
Permit # 02-2550

A. IDENTIFICATION-APPLICANT: COMPLETE ALL APPLICABLE INFORMATION WHEN CHANGING TECHNICAL STEP DATE

Block 670 Lot 9.03 Qual
Work Site Location 940 CEDAR BRIDGE AVE
METHANE GAS DETECTORS
Owner in Fee R-STONE COMPANY
Address 36 WASHINGTON ST
TOMS RIVER, NJ 08753-
Tele. (732) 264-7200 Fax ()
Contractor PRECISION LINE ELECTRIC CORP
Address PO BOX 607
CLIFFWOOD, NJ 07721-
Tele. (732) 264-7200
Lic. No. or Bldrs. Reg. No. 11381
Federal Emp. No. 22-3785695

B. ELECTRICAL CHARACTERISTICS

Use Group - Present U Proposed U
[] Pole/Pad # [] Temporary [] Other
Building Occupied as Utility Co.
Estimated Cost of Electrical Work \$ 5,000

JOB SUMMARY (Office Use Only)

PLAN REVIEW
[X] No Plans Required
Joint Plan Review Required:

[] Bldg [] Plumb
[] Fire [] Elevator
[] Elect Plans Approved
Date: 7/3/02

Approved By: MK
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 and perform the work listed on this application.

Applicant's Signature/Contractor's Seal and Signature
[] Licensed Electrical Contractor [] Exempt Applicant

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

Paid [] Check \$
Collected by: Administrative Surcharge \$
Minimum Fee \$
TOTAL FEE \$ 35
OCA Training Fee \$ 4

OF BRICK
ERS BRIDGE RD
OF INSPECTIONS

UCC NEW JERSEY
ELECTRICAL
SUBCODE
TECHNICAL SECTION

Date Received 11/16/2000
Date Issued 06/20/2001
Control #
Permit # 01-2196

NOTIFICATION-APPLICANT: COMPLETE ALL APPLICABLE INFORMATION WHEN CHANGING
DRS. NOTIFY THIS OFFICE: 9183 UTILITY DIG NO: 1-800-272-1000

TECHNICAL SITE DATA

Site Location 940 CEDAR BRIDGE AVE
NEW BUILDING - OFFICES
Address 1193 ROUTE 70, S-2000
LAKEMOOD, NJ 08701-
Tel: (732) 264-7200 Fax ()
Contractor PRECISION LINE ELECTRIC CORP
Address PO BOX 607
CLIFWOOD, NJ 07721-
Tel: (732) 264-7200
Lic. No. of Bldgs. Reg. No. 11381
Federal Emp. No. 22-3785695

FEE (Office Use Only)

B. ELECTRICAL CHARACTERISTICS
Use Group - Present B Proposed B
Building Occupied as Utility Co.
Estimated Cost of Electrical Work \$ 48,000

Common Area

JOB SUMMARY (Office Use Only)

PLAN REVIEW
[] No Plans Required
Joint Plan Review Required:
[] Bldg [] Plumb
[] Fire [] Elevator
[] Elect Plans Approved
Date:
Approved By:
SUBCODE APPROVAL
[] CO [] CCO []
Date: 10/20/00
Approved By: [Signature]

NO.	SIZE	ITEM	DESCRIPTION
46		Lighting Fixtures	
20		Receptacles	
22		Switches	
8		Detectors	
0		Light Poles	
0		Motors-Fract HP	
0		Emergency & Exit Lights	
0		Communications Points	
0		Alarm Devices/F.A.C. Panel	
20		TOTAL NUMBERS	
140		Pool Permit/with OW Lights	60
0		Storable Pool/Spa/Hot Tub	0
0		KW Elect Range/Receptacle	0
0		KW Oven/Surface Unit	0
0		KW Elect Water Heater	18
0		KW Elect Dryer/Receptacle	0
0		KW Dishwasher	0
0		HP Garbage Disposal	0
0		KW Central A/C Unit	90
10		HP/KW Space Heater/Air Handler	90
10		Baseboard Heat	0
0		HP Motors 1/4 HP	0
0		KW Transformer/Generator	0
0		AMP Service	200
9		AMP Subpanels	360
0		AMP Motor Control Center	0
0		KW Elect Sign/Outline Light	0
0		Other	0

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

Paid [X] Check # 372
Collected by: DC

Administrative Surcharge \$ 0
Minimum Fee \$ 0
TOTAL FEE \$ 818
OCA Training Fee \$ 0

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
FIRE PROTECTION
SUBCODE
TECHNICAL SECTION

Date Received 07/26/2002
Date Issued 01/01/1954
Control #
Permit # 01-2196+B

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

Block 670 Lot 9.039.01 Qual
Work Site Location 940 CEDAR BRIDGE AVE
WATER-PT/SMOKES

Owner in Fee NINTH VENTURE
Address 1195 ROUTE 70, S-2000
LAKEWOOD, NJ 08701-

Tele. (732) 244-6771 Fax ()
Contractor R STONE AND COMPANY
Address 36 WASHINGTON ST SUITE 1
TOMS RIVER, NJ 08753-

Tele. (732) 244-6771
Lic. No. or Bldgs. Reg. No.
Federal Emp. No. 22-2213402

B. FIRE PROTECTION CHARACTERISTICS

Use Group Present B Proposed B
Constr Class Present Proposed
Heating Systems [] New [] Existing [] HVAC
Type: [] Gas [] Oil [] Elect [] Solar
[] Other
Location:
Total Est Cost of Fire Prot Work \$ 2,000

JOB SUMMARY (Office Use Only)

PLAN REVIEW
[] No Plans Required
Joint Plan Review Required:
[] Bldg [] Elect
[] Plumb [] Elevator
[] Fire Plans Approved
Date: 5-1-92
Approved By: [Signature]
SUBCODE APPROVAL
[] CO [] CCO
Date: 5-1-92
Approved By: [Signature]

COMMERCIAL
DATE 5-1-92
INITIALS [Signature]

INSPECTIONS
Type Alarm Sys
Failure Rate (Per Month/Day)
Date of Last Approval Initials
Suppr Test
Standpipe
Fire Pump
Prefing Sys
Mechanical
Smoke Ctl
TCO
Final
Other

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

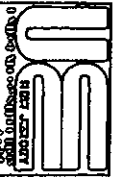
Alarm Devices (smoke, heat, pull, water/flow) 10
Supervisory Devices (tamper, low/high air) 0
Signalling Devices (horn/strobes, bells) 0
Other Devices 0
TOTAL 10
Suppression Systems
Fire Pump 0 GPM Type 0
Dry Pipe/Alarm Valves 0
Pre-action Valves 0
Sprinkler Heads (Dry and Wet) 0
Standpipes 0
Pre-Engineered Systems
Wet Chemical 0
Dry Chemical 0
CO2 Suppression 0
Foam Suppression 0
Halon Suppression 0
Other 0

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

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

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



FIRE SUBCODE TECHNICAL SECTION

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

Block 870 Lot 901 902, 903 (4 lots)

Work Site Location 999 Oakbldg Ave. 9440 9440 9440

Owner in Fee Ten v. H. Shoppers Joint Venture

Address 1195 E. 78 S-2000

Tele. (733) 886-1500

Contractor R. Stone & Company

Address 16 Madison Ave

Tele. (733) 244-6771 Fax (733) 244-5526

Lic. No. 5097

Federal Emp. No. 22-2213402

B. FIRE PROTECTION CHARACTERISTICS

Use Group Present Proposed B Business Fire Alarm System New Existing Existing

Constr. Class Present Proposed 5-13 New Existing Existing Existing

Heating Systems Existing New Existing Existing Existing HVAC Existing

Type: ☒ Gas ☐ Oil ☐ Electric ☐ Solar Existing

Location: Utility Room Fire Suppression/Standpipe System New Existing Existing

Total Cost of Fire Protection Work \$ 20,000 Location of Main Control Valve: Existing

JOB SUMMARY (Office Use Only)

PLAN REVIEW ☒ No Plans Required ☐ Plans Required

Joint Plan Review Required: ☐ Building ☐ Plumbing ☐ Electric ☐ Elevator

Date: 2-20-01 Fire Plans Approved ☐ Fire Pump ☐ Pre-Eng. System ☐ Mechanical ☐ Smoke Control ☐ TCO ☐ Final ☐ Other ☐

Approved by: ECR

SUBCODE APPROVAL ☐ CO ☐ CCO ☐ CA ☐ TCO ☐ Final ☐ Other ☐

Date: 2-20-01

Approved by: ECR

SUBCODE APPROVAL ☐ CO ☐ CCO ☐ CA ☐ TCO ☐ Final ☐ Other ☐

Date: 2-20-01

Approved by: ECR

SUBCODE APPROVAL ☐ CO ☐ CCO ☐ CA ☐ TCO ☐ Final ☐ Other ☐

Date: 2-20-01

Approved by: ECR

SUBCODE APPROVAL ☐ CO ☐ CCO ☐ CA ☐ TCO ☐ Final ☐ Other ☐

Date: 2-20-01

Approved by: ECR

SUBCODE APPROVAL ☐ CO ☐ CCO ☐ CA ☐ TCO ☐ Final ☐ Other ☐

Date: 2-20-01

Approved by: ECR



Date Received 6-20-01
Date Issued 6-20-01
Control # 612196
Permit # 612196

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK: Construction of professional office building

Water Supply Source City

Method of Alarm/Suppression System Supervision City

Storage Tanks

Type: ☐ Flammable Liquid ☐ Combustible Liquid

☐ LPG ☐ LNG Capacity _____ Fuel _____

Alarm Systems ☐ 110V Interconnected ☐ System

Alarm Devices (i.e., smoke, heat, pulls, water/flow)

Supervisory Devices (i.e., tamper, low/high air)

Signaling Devices (i.e., horns/strobes, bells)

Other Devices _____

TOTAL _____

Suppression Systems

Fire Pump _____ GPM Type _____

Dry Pipe/Alarm Valves

Pre-action Valves

Sprinkler Heads (Dry and Wet)

Standpipes

Pre-engineered Systems

Wet Chemical

Dry Chemical

CO₂ Suppression

Foam Suppression

Halon Suppression

Other _____

Kitchen Hood Exhaust System

Smoke Control System

Gas ☐ or ☐ Fixed Appliances

Other _____

Administrative Surcharge \$ 460

Minimum Fee \$ 460

DCA Training Fee \$ 460

TOTAL FEE \$ 460

UCC, F140

(rev. 3/99)

FEE (Office Use Only)

UNIT ONLY

UNIT ONLY

UNIT ONLY

UNIT ONLY

UNIT ONLY

UNIT ONLY

6-17-02
CIB

John - No one on site aware & inspectors not ready -

7-22-02 - TEST Alarms

OK 7-31-02 - Label HVAC unit w/ Alarm
Remote unit

OK 7-31-02 - Test Elevator recall (Lockout)

* OK 7-31-02 - Pull stairs @ DOOR 2nd floor

~~EXIT SIGNS~~ NO REQUIRE

OK 7-31-02 - Finish Doors / Floors / walls

7-31-02 - Fire lane signs OK

TRUSS ROOF SIGNS

~~OK 7-31-02~~

7-31-02 - Elevator shaft ceiling - OK

7-31 - Plans for tower fit up
2nd floor

8-13-02 update permit for
alarms

Test
motors

7-31-02 - Electric/Fire panel done - OK

KROP BOX
8/15/02 older

02-2550 methene

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
FIRE PROTECTION
SUBCODE
TECHNICAL SECTION

Date Received 07/26/2002
Date Issued 04/01/1994
Control # 823-02
Permit # 01-2196+B

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

Block #10 Lot 9.039.01 Quad
Work Site Location 940 CEDAR BRIDGE AVE
WATER, GAS, SMOKE

Owner in Fee NINTH VENTURE
Address 1195 ROUTE 70, S-2000
LAKEWOOD, NJ 08701-

Tele. (732) 244-8771 Fax ()
Contractor R STONE AND COMPANY
Address 30 WASHINGTON ST SUITE 1
TOMS RIVER, NJ 08753-

Tele. (732) 244-8771
Lic. No. of Bldgs. Reg. No.
Federal Emp. No. 22-2213402

B. FIRE PROTECTION CHARACTERISTICS

Use Group Present B Proposed B
Constr Class Present Proposed
Heating Systems [] Heat [] Existing [] HVAC
Type: [] Gas [] Oil [] Elect [] Solar
[] Other
Location:
Total Est Cost of Fire Prot Work \$ 2,000

JOB SUMMARY (Office Use Only)

PLAN REVIEW
[] No Plans Required
Joint Plan Review Required:
[] Bldg [] Elect
[] Plumb [] Elevator
[] Fire Plans Approved
Date:

INSPECTIONS
Type Failure Failure Approval Initial
Alarm Sys
Suppr Test
Standpipe
Fire Pump
Prengng Sys
Mechanical
Smoke Ctl
TCO
Final
Other

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

Approved By:
Other

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

D. TECHNICAL SITE DATA

Description of Work:
Water Supply Source
Method of Alarm/Suppr Sys Superv
Storage Tanks
Type: [] Flammable Liquid [] Combust Liquid
[] LPG [] LNG Capacity 0 Fuel
Alarm Systems [] 110V Interconnected NUMBER
[] System

Alarm Devices (smoke, heat, pulls, water/flow) 10
Supervisory Devices (tampers, low/high air) 0
Signalling Devices (horn/strobes, bells) 0
Other Devices 0
TOTAL 10

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

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

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

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
FIRE PROTECTION
SUBCODE
TECHNICAL SECTION

Date Received 06/28/2002
Date Issued 7/1/02
Control # C02-67
Permit # 02-2550

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

Block 670 Lot 9.03 Qual
Work Site Location 940 CEDAR BRIDGE AVE

METHANE GAS DETECTORS

Owner in Fee R-STONE COMPANY

Address 36 WASHINGTON ST

Tele. (732) 244-6771 Fax ()

Contractor R-STONE AND COMPANY

Address 36 WASHINGTON ST SUITE 1

TOMS RIVER, NJ 08753-

Tele. (732) 244-6771

Lic. No. or Bldgs. Reg. No.

Federal Emp. No. 22-2213402

B. FIRE PROTECTION CHARACTERISTICS

Use Group Present U Proposed U

Constr Class Present Proposed

Heating Systems [] New [] Existing [] HVAC

Type: [] Gas [] Oil [] Elect [] Solar

[] Other

Location:

Total Est Cost of Fire Prot Work \$ 5,000

JOB SUMMARY (Office Use Only)

PLAN REVIEW

[] No Plans Required

Joint Plan Review Required:

[] Bldg [] Elect

[] Plumb [] Elevator

[] Fire Plans Approved

Date: 7-8-02

Approved By: [Signature]

SUBCODE APPROVAL

Date: 8-14-02

Approved By: [Signature]

INSPECTIONS

Type Alarm Sys

Suppr Test

Standpipe

Fire Pump

PreEng Sys

Mechanical

Smoke Ctl

TCO

Final

Other

Dates (Month/Day)

Failure Failure Approval Initial

7/22/02

1-6-02

10-22-02

1-24-02

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

[] System

Alarm Devices (smoke, heat, pull, water/flow)

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

Other

Other

Other

FEE (Office Use Only)

Administrative Surcharge \$ 0

Minimum Fee \$ 0

TOTAL FEE \$ 35

DCA Training Fee \$ 4

U.C.C. F140 (rev. 3/96)

DIVISION OF INSPECTIONS
401 CHAMBERS BRIDGE RD
TOWNSHIP OF BRICK

TECHNICIAN SECTION
CIRCUIT CODE
LIFE PROTECTION
CSC NEW DELIVERY

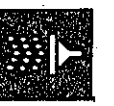
Revised 9
Control 9 COS-01
Date Revised 1/1/01
Last Received 08/18/2005

John
7-31-02
Elevated ~~RTU~~ on 1st fl
- RTU 8 OK
- RTU 9 OK
- RTU 5 OK
- RTU 6 OK
- RTU 7
- RTU 10
- RTU 2
- RTU 1
- RTU 4
OK - RTU 3
Check 2nd fl

2 3 5 6 7
miller



**PLUMBING
SUBCODE
TECHNICAL SECTION**



Date Received
Date Issued
Control #
Permit #

6-20-11
012144

Supers

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO. 1-800-272-1000.
Block 670 Lot 90/902, 903 & (4 lots)
Work Site Location 1195 16th St. S. ZOO
Owner in Fee Lawrence Township Joint Venture
Address 1195 16th St. S. ZOO
Tele. (732) 86-1500 AS701
Contractor CPH Mechanical Inc.
Address 9 Camelot Dr. off Highway
Tele. (732) 349 6560 Fax ()
Lic. No. 2948
Federal Emp. No. 22-3188874

B. PLUMBING CHARACTERISTICS
Use Group Present 4" Proposed Public Sewer
Building Sewer Size 2" Public Water Private Well
Water Service Size 2" Public Water Private Well
Est. Cost of Plumbing Work \$ 60,000.-

JOB SUMMARY (Office Use Only)		INSPECTIONS		Dates (Month/Day)	
PLAN REVIEW		Type:	Failure	Approval	Initial
☐ No Plans Required		Slab	6-29-07	7-3-07	
Joint Plan Review Required:		Rough	12-18-07	1-2-08	
☐ Building ☐ Electric		Water	6-12-02	6-12-02	
☐ Fire ☐ Elevator		Sewer	3-12-07	7-24-02	
☒ Plumbing Plans Approved		Fixtures	6-11-02	6-11-02	
Date: <u>5-31-07</u>		Gas Equipment	7-24-02	7-24-02	
Approved by: <u>[Signature]</u>		Gas Piping	12-18-07		
SUBCODE APPROVAL		Solar			
☐ CO ☐ CCO ☐ CA		TCO			
Date: <u>7-24-02</u>					
Approved by: <u>[Signature]</u>					

C. CERTIFICATION IN LIEU OF OATH
I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Signature [Signature] Contractor's Seal
☒ Licensed Plumbing Contractor ☐ Exempt Applicant

D. TECHNICAL SITE DATA (List of all fixture)		FEE (Office Use Only)	
NO.	FIXTURE/EQUIPMENT		
10	Water Closet		
2	Urinal/Bidet		
10	Bath Tub		
6	Lavatory		
2	Shower		
2	Floor Drain		
2	Sink		
2	Dishwasher		
2	Drinking Fountain		
2	Washing Machine		
2	Hose Bibb		
2	Water Heater		
2	Fuel Oil Piping		
2	Gas Piping - separate meter		
2	Steam Boiler		
2	Hot Water Boiler		
2	Sewer Pump		
2	Interceptor/Separator		
2	Backflow Preventer		
2	Grastrap		
2	Sewer Connection		
2	Water Service Connection		
2	Stacks		
2	Other <u>4/C</u>		
2	Other		
2	Other		
Administrative Surcharge		\$	
Minimum Fee		\$	
DCA Training Fee		\$	
TOTAL FEE		\$	

Call area
7-24-02

TOWNSHIP OF BRICK ZONING PERMIT

Permit Approved: November 20, 2000

2000-1782

Block: 670

Lots: 9.03

Zone: B-2 & B-3

Property Address: 940 Cedar Bridge Avenue

Owner: Town Hall Shoppes Joint Venture

Phone: 244-6771

Applicant: Robert E. Stone

Existing Use: Vacant land

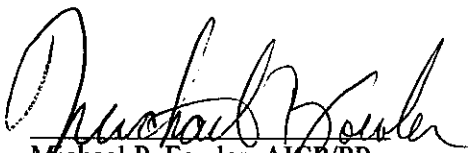
Proposed Use: Office building

Proposed Construction: Two story office building, 130' x 80', 25' high

Conditions: Site plan approved by the Planning Board, Case number PB-2268 (1364)-PSP-V/FSP-9/98.

Resolution adopted on 5-26-99, maps signed 6-9-00.

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

N.J. STATE LAW

13:45A - 16.2

FOR INSPECTION

BUILDING

ELECTRIC

PLUMBING

FIRE PROTECTION

ELEVATOR

**FINAL INSPECTIONS
ARE REQUIRED BEFORE
FINAL PAYMENT IS MADE
TO CONTRACTOR**

BLOCK

1070

N.J.A.C. (Uniform Code) 5:23-2.6, Paragraph 5. The approved set of plans must be on the job site at all times. If the plans are not on the site no inspections will be made.

LOT

9.01

APPROVED

This Permit Must Be Displayed Immediately At Start of Construction

APPROVAL OF THESE PLANS BY THE BUILDING INSPECTOR DOES NOT IN ANY WAY ALLOW THE ENCROACHMENT OF ANY BUILDING OR PART THEREOF IN CONNECTION THEREWITH BEYOND THE PROPERTY LINE, NOR IN ANY WAY PERMIT ANY VIOLATION OF THE BUILDING CODE WHETHER SHOWN ON PLANS OR NOT.

Before starting to build read the Building Code.

Yvonne Velthuis
Owner

PERMIT NO.

10-5395

Contractor

DATE APPROVED

8-22-00

CONSTRUCTION OFFICIAL

BRICK TOWNSHIP

FEE PAID

1400-

THIS PERMIT EXPIRES ONE YEAR FROM ABOVE APPROVED DATE,
OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF SIX MONTHS.

INSPECTIONS
PLS CALL
732-262-4627

INSPECTIONS

1. FOOTING
2. FOUNDATION
3. SHEATHING
4. FRAMING
5. INSULATION
6. SHEET ROCK
7. PLUMBING
8. FIRE INSPECTION
9. FINAL

PLANS MUST BE ON JOB SITE

AN

CALL WHEN READY

THE BRICK TOWNSHIP MUNICIPAL UTILITIES AUTHORITY

1551 HIGHWAY 88 EAST
BRICK, NEW JERSEY 08724
(908) 458-7000

file # 1601

STATEMENT OF UTILITY SERVICES

APPLICANT: NAME: R Stone Company PHONE NO. 244-6771 (bus.)
ADDRESS: 16 Madison Ave. (home)
Toms River, NJ 08753

PROPERTY IN QUESTION: ADDRESS Tudor Time-Town Hall Shoppes
BLOCK(S) 670 LOT(S) 9.01, 9.02, 9.03, 9.04

BTMUA ACCOUNT NO. _____ TAX MAP DRAWING NO. 38A

SINGLE FAMILY RESIDENCE _____ MINOR SUBDIVISION _____
COMMERCIAL X MAJOR SUBDIVISION _____

1. UTILITY SERVICE CAN BE PROVIDED. APPLICATION FOR SERVICE IS REQUIRED.

WATER SEWER

CONNECTION WILL BE PROVIDED AS FOLLOWS:

INITIAL SERVICE CHARGES

WATER _____ (STREET) 3/4" 1971.00 3449.00
SEWER _____ (STREET) 2601.00

2. UTILITY SERVICE CANNOT BE PROVIDED AT THIS DATE. APPLICATION FOR EXTENSION IS ☐ IS NOT ☐ REQUIRED.

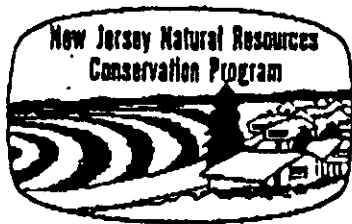
3. UTILITY SERVICE CANNOT BE PROVIDED AT THIS DATE. IT SHALL BE AVAILABLE UPON COMPLETION OF WORK BY A DEVELOPER UNDER APPLICATION NO. 11601 CONTACT THE AUTHORITY TO CONFIRM AVAILABILITY OF SERVICES.

X X

DATE: Sept 26, 2000
C.G. 9/25/00

SIGNED: James R Allen

NOTE: STATEMENT GOOD FOR ONE YEAR.



OCEAN COUNTY SOIL CONSERVATION DISTRICT

714 Lacey Road
Forked River, NJ 08731
Tel 609.971.7002
Fax 609.971.3391

Supervisors
Sigmund Zsoldos
Frank Bartoll
A. Jerome Walnut
Albert Newby
John Perry

48 HOUR ADVANCE NOTIFICATION OF SOIL DISTURBANCE

SOIL EROSION AND SEDIMENT CONTROL ACT

N.J.S.A. 4:24-39, ET SEQ.

CHAPTER 251, P.L. 1975

OCSCD APPLICATION NO. 6576

NAME OF PROJECT Town Hall Shoppes II

BLOCK(S) & LOT(S) Block 670, Lots 9.01, 9.02, 9.03 & 9.04

STREET ADDRESS & TOWN 970 Cedar Bridge Ave, Brick, NJ

JOB SUPERVISOR / FIELD AGENT NAME R. Stone & Company

PHONE NO. 732-244-6771

FAX NO. 732-244-5536

OWNER'S NAME & ADDRESS David M. Levy, 1195 Route 70
Suite 2000, Lakewood, NJ 08701

PHONE NO. 732-942-2363

FAX NO. 732 942-3102

PROPOSED DATE CONSTRUCTION WILL BEGIN October 16, 2000

This form must be mailed or faxed to the District at least 48 hours before construction is to begin.

48:BB

TOWNSHIP OF BRICK

OCEAN COUNTY, NEW JERSEY

401 CHAMBERS BRIDGE ROAD • BRICK, NJ 08723



Joseph C. Scarpelli, Mayor

Township Council:

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

DEPARTMENT OF ADMINISTRATION & FINANCE

OFFICE OF LAND USE MANAGEMENT

Michael P. Fowler, AICP/PP
Municipal Planner
(732) 262-1042
Fax: (732) 262-8954
<http://www.twp.brick.nj.us>

FAX CORRESPONDENCE

DATE: 84-27-01

TO FAX NUMBER: 244-5526 PAGES TO FOLLOW 1

ATTENTION: Paul Duggan

FROM: Allison Bldg Dept.

MESSAGE: Office Bldg - Plg Rejection
Street.

FAX CORRESPONDENCE

DATE:

04-27-01

TO FAX NUMBER:

244-5526

PAGES TO FOLLOW

1

ATTENTION

Paul Duggan

FROM:

Allison Bldg Dept.

MESSAGE

Office Bldg - Plg Rejection
Sheet.

2445526	NORMAL	27,14:55	0'46"	2	* O K	
Telephone Number	Mode	Start	Time	Page	Result	Note

Apr 27 2001 14:56

P.1

** Transmit Conf. Report **

Land Use/ Bldg Dept Fax: 732-262-8954

National Plumbing Code
Plan Review Record
Township of Brick

Date: 1-4-01

Site Address: 940 ~~Lincoln~~ Cedar Bridge

Reviewed By: PK

CORRECTION LIST

No.

Description

M-2 RTV # 8 needs a 1" gas branch

RTV # 6 needs a 1" gas branch

~~RTV # 2~~

Floor drain need trap primers, all 6

cut sheet needed for H.C. fixtures

fat #
244-5526

called
2-2-01
12:11 PM

Party Called and Phone #: J. m

477-7751

Resubmitted on: _____ By: _____

**BOCA®
NATIONAL BUILDING CODE
PLAN REVIEW RECORD**

Valuation: _____

Plan Review # _____

Fee: _____

Date: 12-4-00

JURISDICTION

BUILDING LOCATION 940 Cedar bridge
(City, County, Township, etc.)
(Street address)

BUILDING DESCRIPTION

REVIEWED BY RM :

Numeral(s) indicated in parenthesis are applicable code sections of the 1993 *BOCA National Building Code*. The organization of this Plan Review Record follows the common Building Code format implemented in the 1993 *BOCA National Building Code*. The plan review accomplished as indicated in this record is limited to those code sections specifically identified herein. This record references commonly applicable code sections. It does not reference all code provisions which may be applicable to specific buildings. This record is designed to be used only by those who are knowledgeable and capable of exercising competent judgement in evaluating construction documents for code compliance.

CORRECTION LIST

No.	DESCRIPTION	Code Section
(1)	No steel Shop Drawings	
(2)	15 Corridor Rated, ?	104.4

PROVIDED BY G.C.

YES 1 HR
SEE DWS A.3 & A.4

Called Boulder
2:35



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BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL, INC.
4051 W. FLOSSMOOR ROAD COUNTRY CLUB HILLS, ILLINOIS 60478-5795

**National Plumbing Code
Plan Review Record
Township of Brick**

Date: 1-4-01Site Address: 940 ~~Cedar~~ Cedar BridgeReviewed By: [Signature]

CORRECTION LIST
Description

No.

17-2 RTU #8 needs a 1" gas branch

RTU #6 needs a 1" gas branch

~~RTU #6~~

Floor drain need the primers, all

cut sheet needed for H.C. fixtures

SEE
REVISED
DWG M-2SEE
REVISED
DWG A-5SEE
REVISED
DWG A-12

Builder Called
4-16-01
advised
of problems

for #
244-5520

Party Called and Phone #:

[Signature]

477-7751

Resubmitted on:

By:

**National Fire Code
Plan Review Record
Township of Brick**

Date: 12-5-00

Site Address: Town Hall Shopped (OFFICE BLDG)

Reviewed By: _____

CORRECTION LIST
Description

No.

1. Sh allows 2 story 7200 sf (10020 proposed)

2. Provide Limited Area spk System

a. Elevat. Room

b. Janitor closet

c. _____

AREA MODIFICATION -
STREET FRONTAGE INCREASE
150% INCREASE
10,800 SF ALLOWED

NOT REQ'D - UNDER

1000 SF. 1 HR ENCLOSURE

PROVIDED

1. NO S.D.'s shown for HVAC units

3. No ~~tech~~ tech for S.D.'s, Heats and strobes

Clarify system - (manual pulls 2nd floor)

(Add. Smoke in corridor) > You at

NO AUTO FIRE DETECTION SYSTEM OR SMOKE DETECTORS
REQ'D. SMOKE DETECTORS SHALL BE INSTALLED
IN RETURN AIR SYSTEMS OF RTUs SEE DIV. M.2

Party Called and Phone #: Called 12-5-00

Resubmitted on: _____ By: _____

National Electrical Code
Plan Review Record
Township of Brick

Date: 12 13 00

Site Address: 990 CEDAR BROOK

Reviewed By: Tom

CORRECTION LIST

No.

Description

1) ON OCCUPIED SPACE AREA

NO WALK -

ONLY COMMON AREA WIRING ONLY

MUST TALK TO CONTRACTOR

WAITING RETURN CALL FROM

CONTRACTOR - OR ~~EST~~ ESTIMATOR

3/2) REQUEST -

7-14-01 Tom

FC Called Tom

Party Called and Phone #:

732-~~442~~-442-6336

Resubmitted on:

By:

OUR CONSULTANT IS WORKING ON THE FAULT
CURRENT CALCULATION.

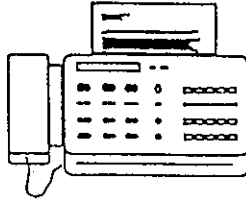
Barlo & Assoc. P.A.

Architecture • Planning
92 Mantoloking Road
Brick, NJ 08723

Tel.: 732-477-7751

Fax: 732-477-6788

E-mail: barloassoc@aol.com



FAX TRANSMITTAL SHEET

RECIPIENT: ALLISON

DATE: 4/30/01

FAX NUMBER: 262-8954

TIME: 3:15 AM ☐ PM ☒

COMPANY: T.O. BRICK

PROJECT: TOWNHALL SHOPPES

BLDG. DEPT.

OFFICE BLDG.

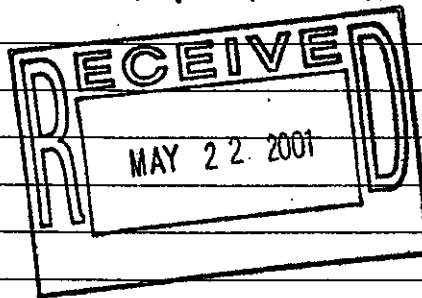
OF PAGES TRANSMITTED: 5
(Including cover sheet)

PROJ. #: 9926

MESSAGE:

ATTACHED PLEASE FIND PLAN REVIEW RECORD
SHEETS WITH MARKED UP COMMENTS ADDRESSING
EACH ITEM.

PLEASE CALL IF YOU HAVE ANY QUESTIONS



*Submit
05/22/01*

SENDER: JIM TIERNEY

CC: P. DUGGAN-RSTONE
FILE

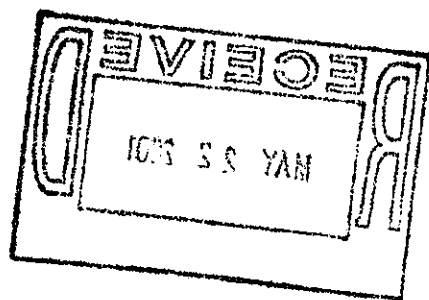
- () CALL TO DISCUSS ENCLOSED
- () PLEASE REVIEW AND APPROVE
- () ENCLOSED TO FOLLOW VIA MAIL

IMPORTANT:

This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law.

If the reader of this message is not the intended recipient or the Employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone. Thank you.

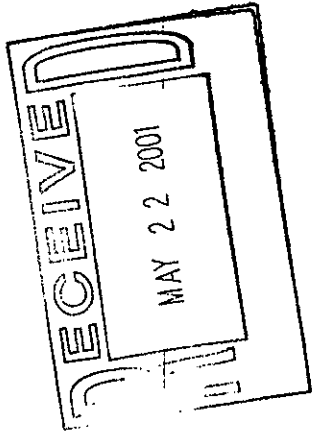
If you have any problems or do not receive all the pages, please call us as soon as possible.



Handwritten signature
10/6/61

FINISHED FLOOR

FINISHED FLOOR



5'0"

REPLACED FILL

TOP OF PIER

6"

BOTTOM OF STONE

FOOTING

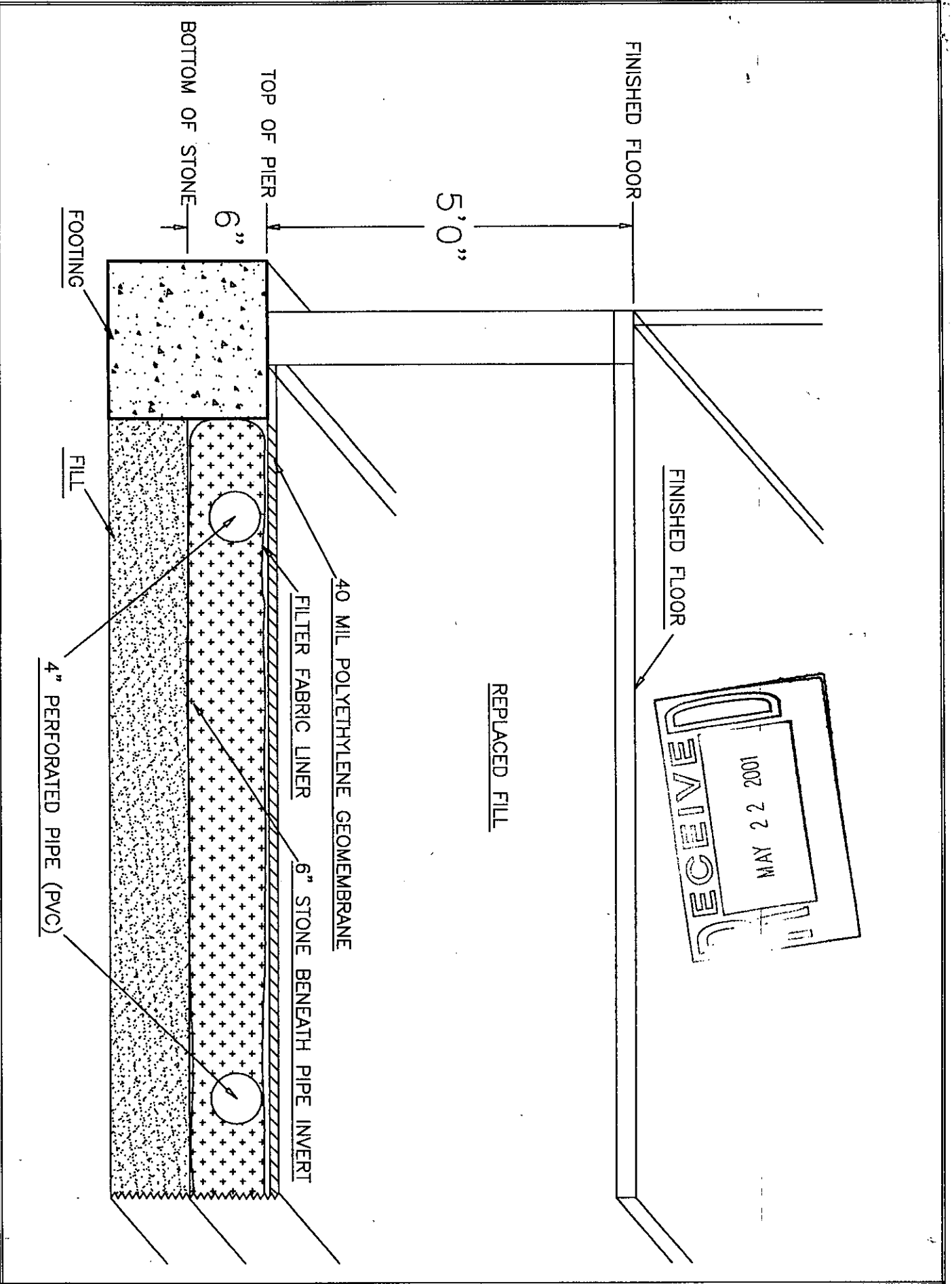
FILL

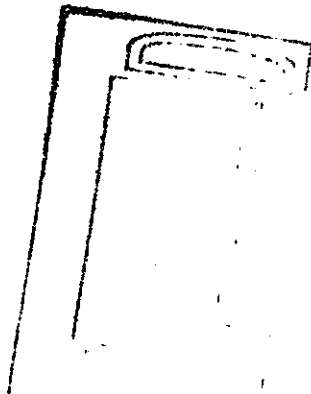
4" PERFORATED PIPE (PVC)

40 MIL POLYETHYLENE GEOMEMBRANE

FILTER FABRIC LINER

6" STONE BENEATH PIPE INVERT

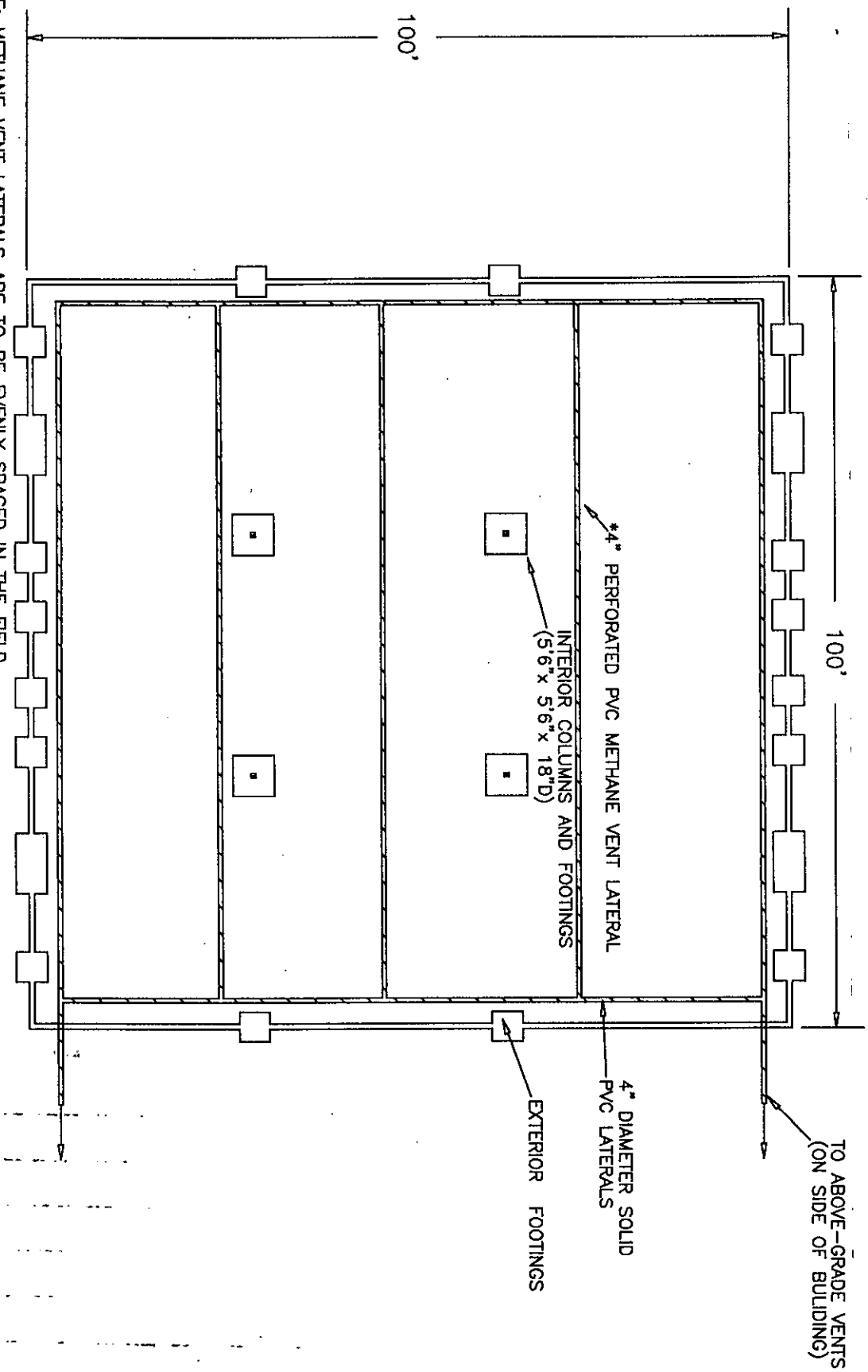




BRICK TOWNSHIP

Plan Review	Class	Date	By
Zoning	_____	_____	_____
Plumbing	_____	_____	_____
Building	_____	_____	_____
Fire	_____	_____	_____
Energy	_____	_____	_____
Electrical	_____	_____	_____

METHANE VENT PIPING LOCATION PLAN
TUTOR TIME
TOWN HALL SHOPPES



BRICK TOWNSHIP

Plan Review	Class	Date	By
Zoning	_____	_____	_____
Plumbing	_____	_____	_____
Building	_____	_____	_____
Fire	_____	_____	_____
Energy	_____	_____	_____
Electrical	_____	_____	_____

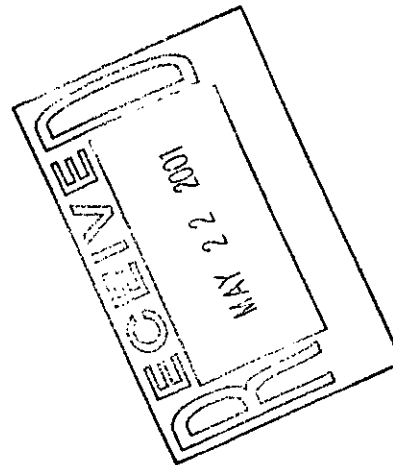
Barlo & Assoc. P.A.

Architecture • Planning
92 Mantoloking Road
Brick, NJ 08723

Tel: 732-477-7751

Fax: 732-477-6788

E-mail: barloassoc@aol.com



May 14, 2001

Township of Brick
Building Department
401 Chambers Bridge Road
Brick, NJ 08742

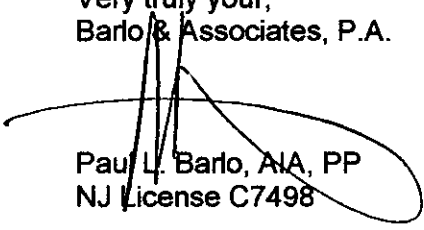
Re: Town Hall Shoppes
Block 670, Lots 9.01, 9.02, 9.03, and 9.04
990 Cedar Bridge Road
Brick Township, Ocean County, New Jersey

Gentlemen:

With regard to the above referenced project and per your request, please find enclosed two (2) copies of the vent-piping drawings prepared by Brinkerhoff Environment Services, Inc. These drawings supersede all other drawings and submissions. All references and details shown on our drawings regarding this matter should be disregarded.

Should you have any questions or wish to discuss, please do not hesitate to contact our office.

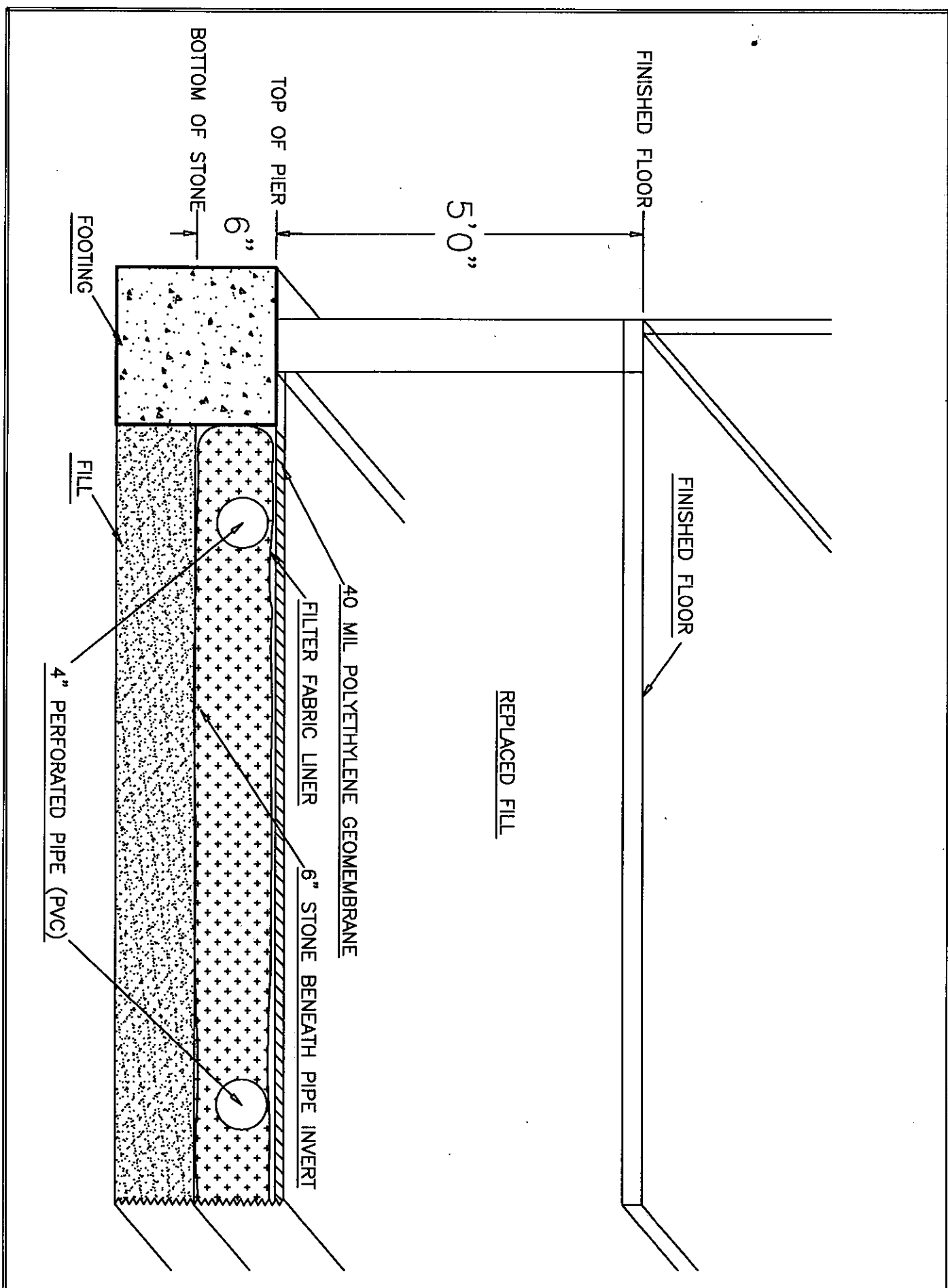
Very truly your,
Barlo & Associates, P.A.



Paul L. Barlo, AIA, PP
NJ License C7498

Enclosures (2)

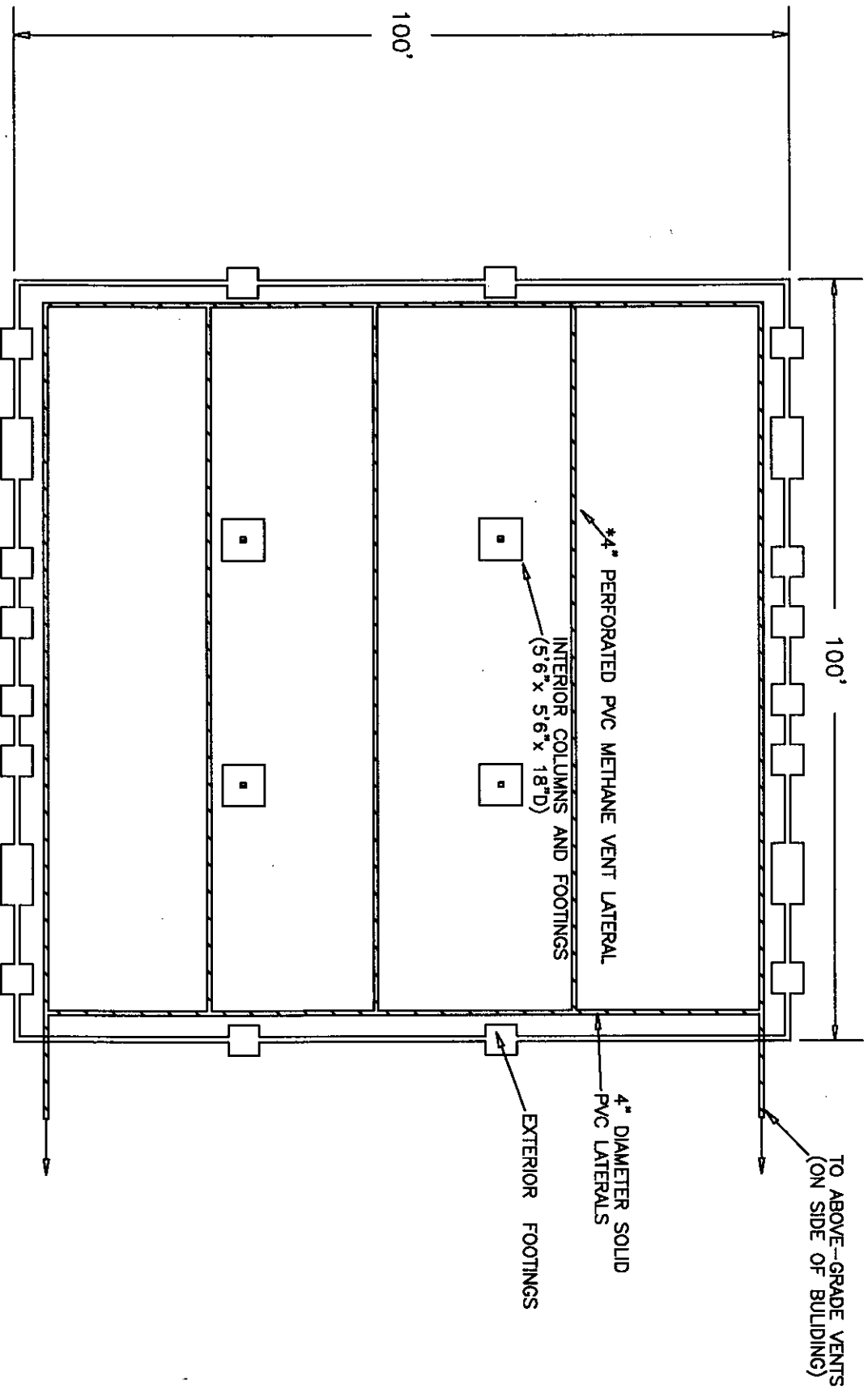
cc with enclosures: D. Levy, Paramount Realty
P. Duggan, R. Stone & Co.
D. Shinton, Brinkerhoff Environmental Services, Inc.
File



BRICK TOWNSHIP

Plan Review	Class	Date	By
Zoning			
Plumbing			
Building			
Fire			
Energy			
Electrical			

METHANE VENT PIPING LOCATION PLAN
TUTOR TIME
TOWN HALL SHOPPES



*NOTE: METHANE VENT LATERALS ARE TO BE EVENLY SPACED IN THE FIELD
SCALE: 1' = 20'

BRICK TOWNSHIP

Plan Review	Class	Date	By
-------------	-------	------	----

Zoning			
--------	--	--	--

Plumbing			
----------	--	--	--

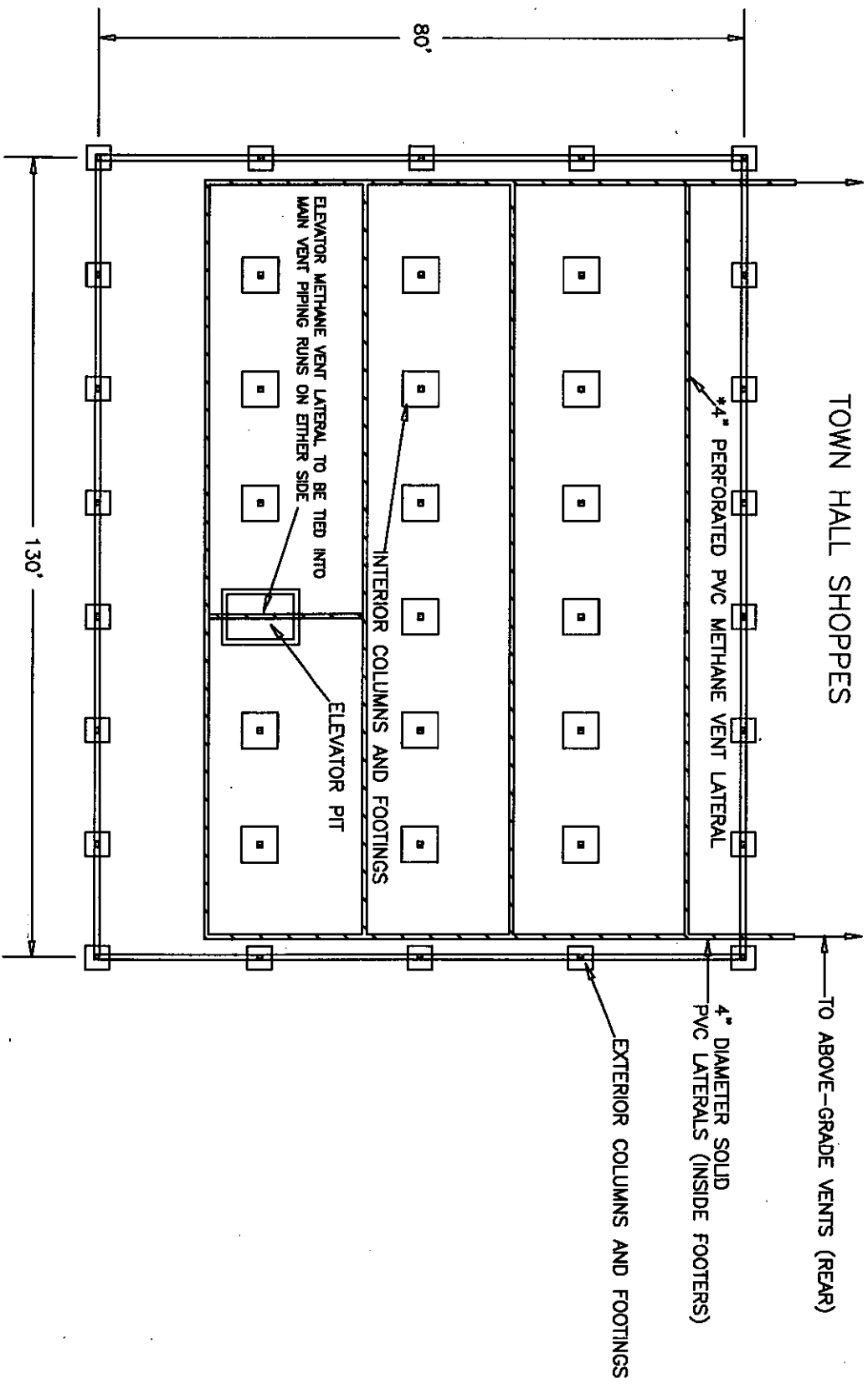
Building			
----------	--	--	--

Fire			
------	--	--	--

Energy			
--------	--	--	--

Electrical			
------------	--	--	--

METHANE VENT PIPING LOCATION PLAN
OFFICE BUILDING
TOWN HALL SHOPPES



*NOTE: METHANE VENT LATERALS ARE TO BE EVENLY SPACED IN THE FIELD
SCALE: 1" = 20'

BRICK TOWNSHIP

Plan Review	Class	Date	By
Zoning			
Plumbing			
Building			
Fire			
Energy			
Electrical			

PAV Dagan
244-6771

National Electrical Code
Plan Review Record
Township of Brick

Jim Tieszen
13820 Assoc.
477-2227
7751

Date: 12-13-00

Site Address: 960 CEDAR BRIDGE AVE

Reviewed By: Tom

CORRECTION LIST
Description

No.

PANEL WERE SITE TIEING
IS FEED FROM

CONTRACTOR CALLED

* need amperage + which panel
are you tieing into?

Resubmit 5/22/01

Party Called and Phone #:

Resubmitted on: By:

Party Called and Phone #: Callal 12-5-00

Resubmitted on: By:

National Fire Code
Plan Review Record
Township of Brick

Date: 12-5-00

Site Address: TOWN Home Shoppers (OFFICE BLDG)

Reviewed By: _____

CORRECTION LIST

No.

Description

1- Sh allows 2 story 7200 sf (10620 proposed)

2- Provide Linton Area spk system

a. elect. room

b. janitor closet

c. —

~~1- NO S.D.'s shown for HVAC units~~

3- No ~~tech~~ tech for S.D.'s, Heats and strobes

Clarify system - (manual pulls 2nd floor)

(Add. Smokes in corridor) > 800 sf

Resubmit
5/11

Party Called and Phone #: Called 12-5-00

Resubmitted on: _____ By: _____

National Electrical Code
Plan Review Record
Township of Brick

Date: 2-28-01

TUTOR TIME

Site Address: CEDAR BRIDGE RD

Reviewed By: Tom

No.

CORRECTION LIST
Description

PAGE E-1
TO MEET PANEL CLEARANCE -

PAGE E-3
UTILITY I.C. RATING NEEDED

G.C. CALLED -

Submit 10/20/01

Party Called and Phone #: _____

Resubmitted on: _____ By: _____

National Electrical Code
Plan Review Record
Township of Brick

Date: 12 13 00

Site Address: 990 CEDAR BRIDGE

Reviewed By: Tom

CORRECTION LIST
Description

No.

1) ON OCCUPIED SPACE AREA

NO WALK -

ONLY COMMON AREA WIRING ONLY

MUST TALK TO CONTRACTOR

WAITING RETURN CALL FROM

CONTRACTOR - ON ~~EST~~ ESTIMATE

3RD REQUEST -

E-1401 Tom

G.C. CALLED Tom

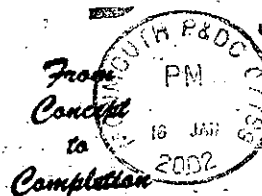
Resubmit
5/1/11

Party Called and Phone #: 732-442-6336

Resubmitted on: _____ By: _____

Barlo & Assoc. P.A.

Architecture • Planning
92 Mantoloking Road
Brick, NJ 08723



PB METER
5198573

U.S. POSTAGE

Mr. Tom Olson
Electrical Sub-code Official
Township of Brick Building Department
401 Chambers Bridge Road
Brick, NJ 08723

08723-2807 20



National Plumbing Code
Plan Review Record
Township of Brick

Date: 1-4-01

Site Address: 940 ~~Sumner~~ Cedar Bridge

Reviewed By: PJK

CORRECTION LIST
Description

No.

M-2

RTV #8 needs a 1" gas branch

RTV #6 needs a 1" gas branch

~~RTV #4~~

Floor drain need tee primers, all 6

Cut sheet needed for H.C. fixture

Resubmit 6/1/11
Builder called
4-16-01 advised
of problems

fax #
244-5526

Party Called and Phone #: Jam 477-7751

Resubmitted on: _____ By: _____

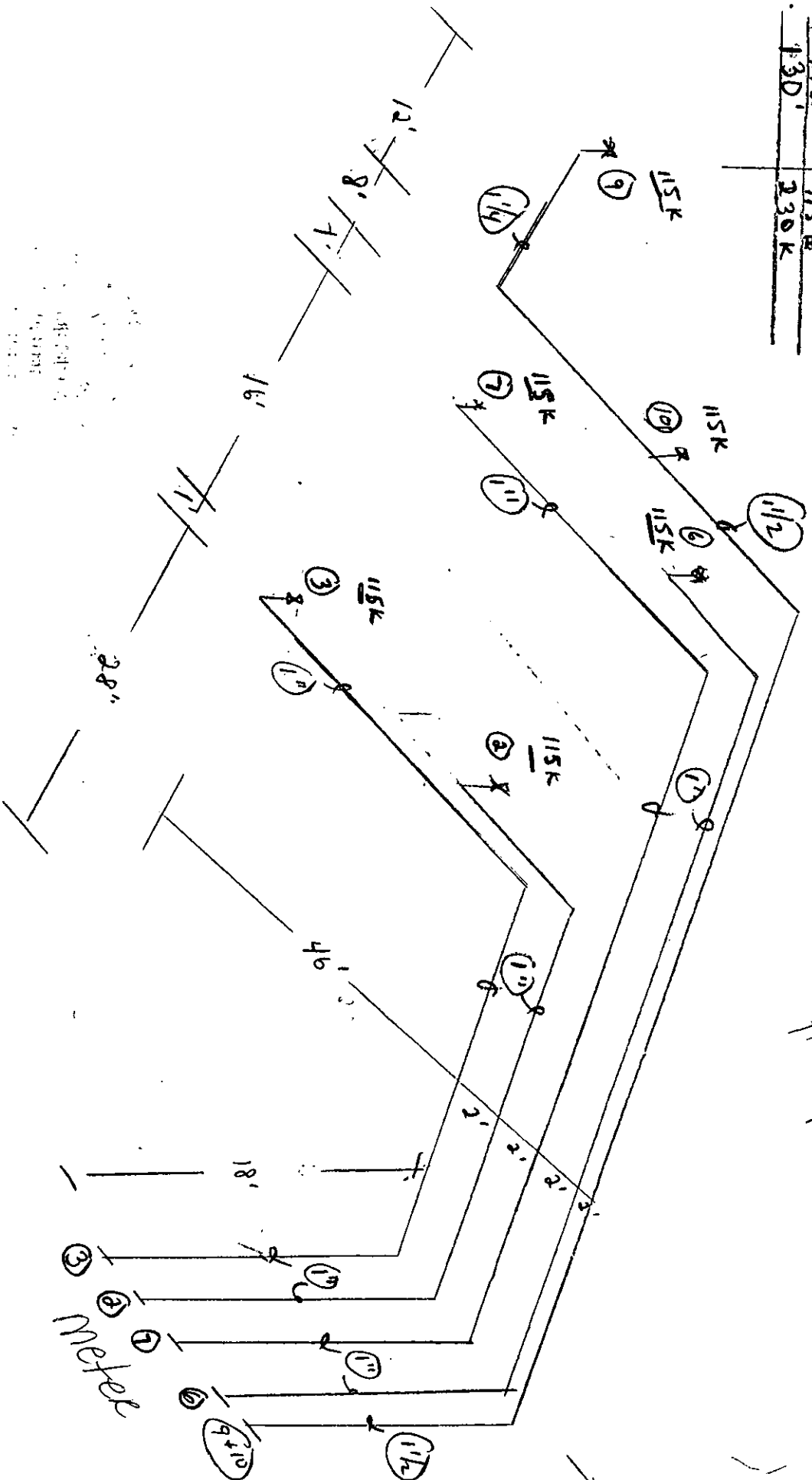
Town Hall Shopper

Page 1 of 2

Alt: 670 Lt: 9.01 - 9.04

Total Run Total RTA

2 -	48'	115k
3 -	70'	115k
6 -	65'	115k
7 -	112'	115k
9 + 10 -	130'	230k



Hvac rooftop

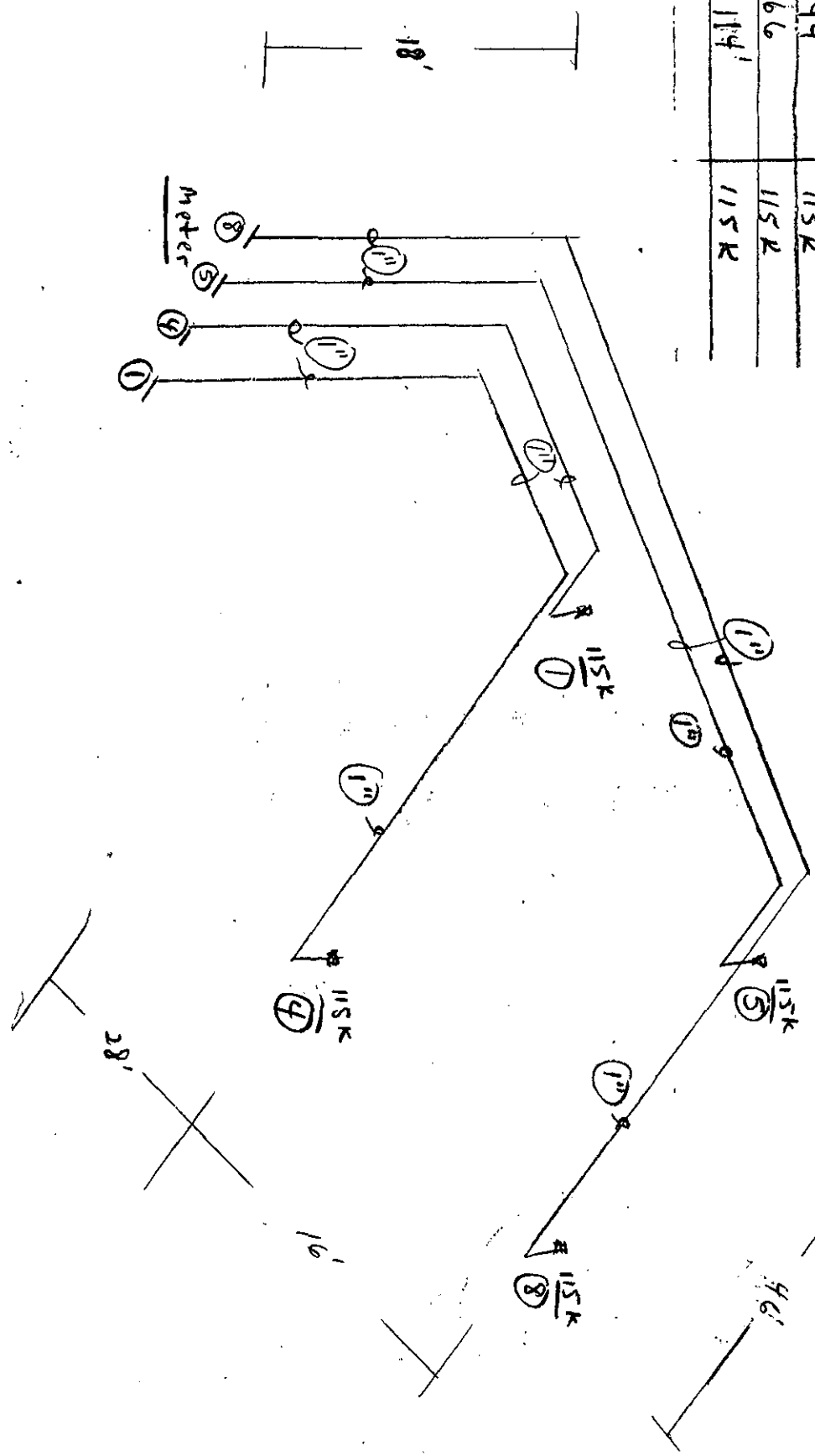
Water

Town Hall Shoppes

Pg 2 of 2

BLK: 670 Lt: 9.01 - 9.04

Total Run		Total BTU
1	48'	115K
4	94'	115K
5	66'	115K
8	114'	115K



115K
per floor

TOWNSHIP OF BRICK
DEPARTMENT OF INSPECTIONS

OCCUPANCY

OCCUPANT LOAD	<u>212</u>	
LIVE LOAD	<u> </u>	P. S. F.
FIRE GRADING	<u> </u>	HOURS
USE GROUP	<u>B</u>	

**National Electrical Code
Plan Review Record
Township of Brick**

Date: _____
Site Address: Wd/62179 TOWNHALL Shoppers
Reviewed By: UM

CORRECTION LIST

- | <u>No.</u> | <u>Description</u> |
|------------|---|
| ① | 250 81 + 8 Do not exist How are you going to ground service |
| ② | air ? |
| ③ | permit on fire alarm |
| ④ | Bury? |

Party Called and Phone #: 244-6731

Resubmitted on: _____ By: _____

SIZING FOR WATER AND SEWER SERVICES

PROPERTY OWNER Town Hall shoppes DATE 5-31-61
 PROPERTY ADDRESS 940 Cedarbridge Ave BLOCK 670 LOT 901

ZONING _____ USE GROUP B

CONTRACTOR _____ LICENSE # REGISTRATION _____

WATER MAIN SIZE _____ WATER PRESSURE _____ SEWER MAIN SIZE _____

<u>PLUMBING FIXTURES</u>	<u>NUMBER</u>	<u>(sfu)</u>	<u>WATER UNITS</u>	<u>(dfu)</u>	<u>DRAINAGE</u>
--------------------------	---------------	--------------	--------------------	--------------	-----------------

1: BATHROOM GROUP	_____	()	_____	()	_____
2: KITCHEN GROUP	_____	()	_____	()	_____
3: WATER CLOSETS	<u>10</u>	()	<u>25</u>	()	_____
4: LAVATORY	<u>10</u>	()	<u>10</u>	()	_____
5: BATH TUB	_____	()	_____	()	_____
6: SHOWER STALL	_____	()	_____	()	_____
7: KITCHEN SINK	<u>2</u>	()	<u>3</u>	()	_____
8: SERVICE SINK	_____	()	_____	()	_____
9: LAUNDRY TRAY	_____	()	_____	()	_____
10: DISHWASHER	_____	()	_____	()	_____
11: WASHING MACHINE	_____	()	_____	()	_____
12: URINAL	<u>2</u>	()	<u>8</u>	()	_____
13: FLOOR DRAIN	_____	()	_____	()	_____
14: DRINK FOUNTAIN	<u>2</u>	()	<u>1</u>	()	_____
15: AIR COND WATER COOLED	_____	()	_____	()	_____
16: DENTAL UNIT	_____	()	_____	()	_____
17: LAWN SPRINKLE	_____	()	_____	()	_____
18: FIRE SPRINKLE	_____	()	_____	()	_____
<u>Future expansion</u> 19: ROSE BIBS	_____	()	_____	()	_____

TOTAL

47

GALLONS PER MINUTE

29

SIZE OF SERVICE

2" As per Architect

DATE: 5-31-61

APPROVED: _____

Daniel H. Hume Jr.

CERTIFICATE OF APPROVAL FOR TENNANT FIT UP AND COMMERCIAL

Location 970 Cedarbridge Block 670 Lot 9.01

Final Inspections needed if applicable as follows:

1. Final Building
2. Final Plumbing
3. Final Electric
4. Final Fire
5. Certificate of Compliance BTMUA
6. Final Engineering
7. Ocean County Soil
8. Affordable Housing

Office building
COMMERCIAL

Report of Compliance from Ocean County Soils needed when; more than 5000 sq ft are disturbed. NEW COMMERCIAL Building that have been approved by PLANNING BD or BD OF ADJUSTMENT always need soil report.

FINALS

FINALS

FINALS

BUILDING.....APPROVED.....

PLUMBING.....APPROVED.....

FIRE.....APPROVED.....

ELECTRIC.....APPROVED.....

ENGINEERING.....APPROVED.....

O.C.SOIL.....APPROVED.....

COMMERCIAL OCCUPANCY CARD.....

C.C. FROM B.T.M.U.A.....
CALL THE WATER CO. BTMUA 458-7000 EXT. 224 OR 225 ASK WHETHER A
C.C. IS NEEDED.

AFFORDABLE HOUSING.....
ALL COMMERCIAL APPLICATIONS MUST BE REVIEWED BY AFFORDABLE
HOUSING BEFORE A C/A OR C/O IS ISSUED. SECOND HALF OF PAYMENT IS
DUE AT THIS TIME.

National Electrical Code
Plan Review Record
Township of Brick

Date: 12-13-00

Site Address: 960 CEDAR BRIDGE AVE

Reviewed By: TOM

CORRECTION LIST
Description

No.

PANEL WERE SITE LIGHTING
IS FEED FROM

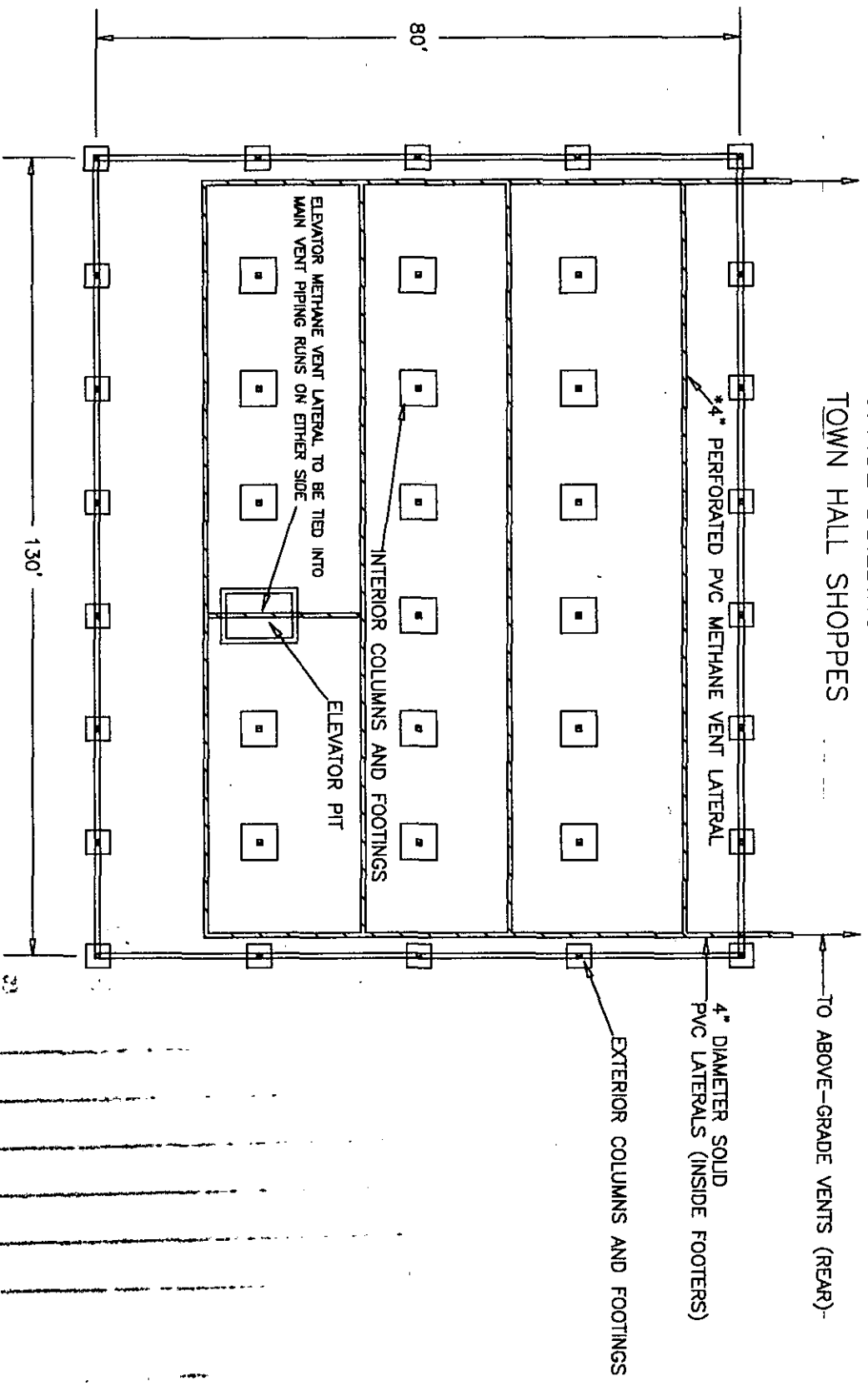
CONTRACTOR CALLED

* need amperage + which panel
are you tying into?

Party Called and Phone #: _____

Resubmitted on: _____ By: _____

METHANE VENT PIPING LOCATION PLAN OFFICE BUILDING TOWN HALL SHOPPES



*NOTE: METHANE VENT LATERALS ARE TO BE EVENLY SPACED IN THE FIELD
SCALE: 1' = 20'

BRICK TOWNSHIP

Plan Review	Class	Date	By
Zoning			
Plumbing			
Building			
Fire			
Energy			
Electrical			

Barlo & Assoc. P.A.

Architecture • Planning
92 Mantoloking Road
Brick, NJ 08723

Tel: 732-477-7751

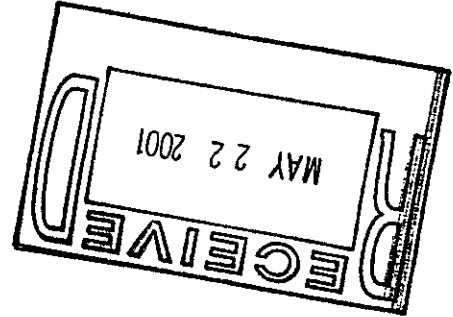
Fax: 732-477-6788

E-mail: barloassoc@aol.com

May 14, 2001

Township of Brick
Building Department
401 Chambers Bridge Road
Brick, NJ 08742

Re: Town Hall Shoppes
Block 670, Lots 9.01, 9.02, 9.03, and 9.04
990 Cedar Bridge Road
Brick Township, Ocean County, New Jersey

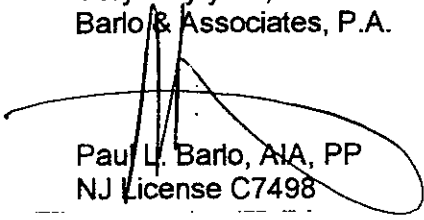


Gentlemen:

With regard to the above referenced project and per your request, please find enclosed two (2) copies of the vent-piping drawings prepared by Brinkerhoff Environment Services, Inc. These drawings supersede all other drawings and submissions. All references and details shown on our drawings regarding this matter should be disregarded.

Should you have any questions or wish to discuss, please do not hesitate to contact our office.

Very truly your,
Barlo & Associates, P.A.


Paul L. Barlo, AIA, PP
NJ License C7498

Enclosures (2)

cc with enclosures: D. Levy, Paramount Realty
P. Duggan, R. Stone & Co.
D. Shinton, Brinkerhoff Environmental Services, Inc.
File

*See original letter w/ seal
for
office
building.*

SINGLE FAMILY DWELLING CHECKLIST

- ☒ 1. Construction Permit Jacket signed & completed Yes ☒ No ☐
- ☒ 2. Zoning Application Completed Yes ☒ No ☐
- ☒ 3. Two true size surveys- signed & sealed (site plans) Yes ☒ No ☐
- ☒ 4. Engineering form- checklist or major subdivision Yes ☒ No ☐
- ☒ 5. Completed debris form- destination of debris Yes ☒ No ☐
- ☒ 6. Shade tree application Yes ☒ No ☐
- ☒ 7. BTMUA availability statement Yes ☒ No ☐
- ☒ 8. (Bldg, Plmg, Fire, & Electric subcode info completed) Yes ☒ No ☐
- ☒ 9. Gas Pipe drawing Yes ☒ No ☐
- ☒ 10. Water schematic for plumbing Yes ☒ No ☐
- ☒ 11. Brochures- furnace, boiler, a/c, or fireplace Yes ☒ No ☐
12. Options Yes ☐ No ☒
- ☒ Fireplace- Gas or wood (circle one)
- ☒ Deck-
- ☒ Basement or Crawl Space (circle one) Lab
- ☒ 13. Two sets of plans- architecturals signed & sealed- all pages Yes ☒ No ☐
- Homeowner drawings- signed by homeowner- all pages
14. Breakdown cost for each subcode on jacket & counter form Yes ☒ No ☐
15. Separate alteration costs for decks, fireplaces & etc. Yes ☒ No ☐
16. Soil borings showing seasonal high water table required on any new basements. Yes ☒ No ☐

Any information not included in package will not be accepted at the front counter

**OFFICE OF AFFORDABLE HOUSING
CERTIFICATE OF COMPLIANCE**

BLOCK 1-103 LOT 1 SITE ADDRESS 1-103
TYPE OF SITE Residential / Commercial TYPE OF BUSINESS _____
APPLICANT _____ PHONE NUMBER 71
APPLICANT ADDRESS _____ CITY & STATE _____
PERMIT # _____ NAME OF BUSINESS _____

INCLUSIONARY DEVELOPMENT

◇ Affordable	Fee Required _____	Date _____
	Down Payment _____	Date _____
	Balance _____	Date _____
	Paid In Full _____	Date _____
◇ Market Rate	No Fee Required	

MANDATORY DEVELOPER FEES

◇ Residential is .005 %
X Commercial is .01 %

Estimated Assessment \$ 1,000.00 Date 11-1-00
Estimated Required Fee \$ 1,000.00
Required Deposit on Estimate \$ 1,000.00 Date 12-1-00
Check # 1 Receipt # 00159
Actual Assessment \$ _____ Date _____
Actual Required Fee \$ _____
Minus Deposit of Estimate \$ _____
Balance Due \$ _____ Date _____
Check # _____ Receipt # _____
Amount Paid In Full \$ _____

Fees Imposed To Date _____
Fees Reached \$15,000 _____ Date _____

I hereby certify that the above applicant has complied with all rules and regulations of the Office of Affordable Housing and has paid all required fees and charges.

Carol A. Wolfe
Affordable Housing Administrator

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.

Office of Affordable Housing
Carol A. Wolfe
Affordable Housing Administrator
(732) 262-1048

CASE # _____

APPROVAL DATE: _____
(Planning Board/BOA)

DATE: 11-30-00

TO: Frederick R. Millman, CTA
Tax Assessor

FROM: Carol A. Wolfe
Affordable Housing Administrator

RE: BLOCK 6210 LOT 908 SITE ADDRESS 9010 1st St. S. E.

TYPE OF SITE _____
(Residential/Commercial)

TYPE OF BUSINESS Child Care

APPLICANT A. J. ...

CITY & STATE Trenton, NJ

☒ Please review the attached application for an **estimated** assessed value for the proposed construction.

The **estimated** assessed value for the construction at the above referenced site is:

\$ 141,100

Frederick R. Millman
Frederick R. Millman, CTA, Tax Assessor

Date

☐ Please review the attached application for a final assessed value for the construction at the above referenced site:

\$ _____

Frederick R. Millman
Frederick R. Millman, CTA, Tax Assessor

Date

CERTIFIED *Testing* **LABORATORIES, Inc.**
1105 RIVERBEND DRIVE • P.O. BOX 2041 • DALTON, GEORGIA 30722-2041
PHONE: (404) 226-1400 FAX: (404) 226-6118

NATIONAL
BUREAU OF STANDARDS
NVLAP
CARPET LAP
NO. 0108

REPORT OF TEST

NUMBER 50838

February 8, 1990

CLIENT: Omega Carpet
P.O. Box 1446
Dalton, GA 30722

Lab. Test No. 1913801001

SUBJECT: Samples submitted and identified by client as "CONFETTI"
Roll #12534"

RADIANT PANEL FLAMMABILITY TEST

Specimens of the sample were tested for critical radiant flux in accordance with ASTM Test Method E-648, NFPA 253 and FTM Standard 372. The value reported is the average of three specimens.

Test Assembly: Specimens were mounted on "Sterling" fiber reinforced cement board using Stix 90 adhesive.

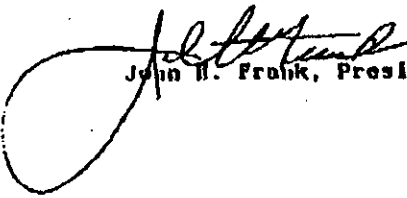
TEST RESULTS

Detailed Data Are Attached Hereto

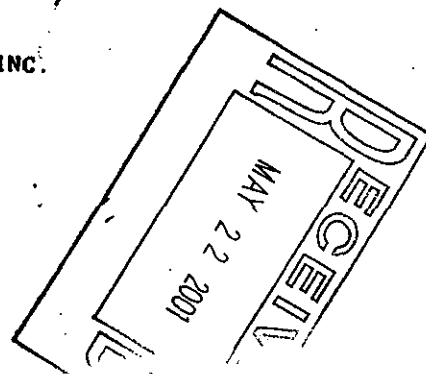
<u>Average</u> <u>Critical Radiant Flux</u>	<u>Standard</u> <u>Deviation</u>	<u>Coefficient</u> <u>Of Variation</u>
0.30 watts/sq. cm.	0.03	11.5 %

The sample tested meets or exceeds the requirements for NFPA Class 2.

For CERTIFIED TESTING LABORATORIES, INC.


John H. Frank, President

BMW



OUR LETTERS AND REPORTS APPLY ONLY TO THE SAMPLE TESTED AND ARE NOT NECESSARILY INDICATIVE OF THE QUALITIES OF APPARENTLY IDENTICAL OR SIMILAR PRODUCTS. THESE LETTERS AND REPORTS ARE FOR THE USE ONLY OF THE CLIENT TO WHOM THEY ARE ADDRESSED AND THEIR COMMUNICATION TO ANY OTHERS OR THE USE OF THE NAME OF CERTIFIED TESTING LABORATORIES, INC. MUST RECEIVE OUR PRIOR WRITTEN APPROVAL. THE REPORTS AND LETTERS, AND OUR NAME, OR OUR SEALS, OR OUR INSIGNIA ARE NOT UNDER ANY CIRCUMSTANCES TO BE USED IN ADVERTISING TO THE GENERAL PUBLIC.

Omega

*Pattern
Works*

716 SOUTH RIVER STREET * P.O. BOX 1479 * CALHOUN, GA 30703

STYLE: CONFETTI

CONSTRUCTION:	DENSE CUT PILE GRAPHIC
GAUGE:	1/10
STITCHES PER 3 INCH:	24
PILE HEIGHT:	.250
FACE WEIGHT:	30 oz.
PRIMARY BACKING:	WOVEN POLYPROPYLENE
SECONDARY BACKING:	ACTION/BAC
FIBER:	85% OLEFIN / 15% BCF NYLON
DYE METHOD:	SOLUTION DYED OLEFIN CHROMATIC DYED NYLON
WIDTH:	12 FT
STATIC CONTROL:	BELOW 3.5 KV
FL.RADIANT PANEL:	CLASS II
WEAR WARRANTY:	5 YEAR LIMITED WEAR WARRANTY

****COLORATIONS****

BURGANDY
CHARCOAL
JADE
NAVY
TEAL

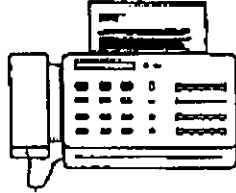
**Barlo &
Assoc. P.A.**

Architecture • Planning
92 Mantoloking Road
Brick, NJ 08723

Tel.: 732-477-7751

Fax: 732-477-6788

E-mail: barloassoc@aol.com

**FAX TRANSMITTAL SHEET**RECIPIENT: ALLISONDATE: 4/30/01FAX NUMBER: 202-5954TIME: 3:15 AM ☐ PM ☒COMPANY: T.O. BRICKPROJECT: TOWNHALL SHOPPESBLDG. DEPT.OFFICE BLDG.# OF PAGES TRANSMITTED: 5
(Including cover sheet)PROJ. #: 9926

MESSAGE:

ATTACHED PLEASE FIND PLAN REVIEW RECORD
SHEETS WITH MARKED UP COMMENTS ADDRESSING
EACH ITEM.

PLEASE CALL IF YOU HAVE ANY QUESTIONS

pb call if any questions

SENDER: JIM TIERNEYCC: P. DUGGAN-ESTONE
FILE

- () CALL TO DISCUSS ENCLOSED
() PLEASE REVIEW AND APPROVE
() ENCLOSED TO FOLLOW VIA MAIL

IMPORTANT:

This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law.

If the reader of this message is not the intended recipient or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone. Thank you.

If you have any problems or do not receive all the pages, please call us as soon as possible.

APR-18-2001 12:07

P: 05

BOCA® NATIONAL BUILDING CODE PLAN REVIEW RECORD

Valuation: _____

Plan Review #

Feb: _____

Date: 12-4-00

JURISDICTION

BUILDING LOCATION 940 Cedar Bridge
(City, County, Township, etc.)
(Street address)

BUILDING DESCRIPTION

REVIEWED BY _____

Numbers indicated in parenthesis are applicable code sections of the 1993 BOCA National Building Code. The organization of this Plan Review Record follows the common Building Code format implemented in the 1993 BOCA National Building Code. The plan review accomplished as indicated in this record is limited to those code sections specifically identified herein. This record references commonly applicable code sections. It does not reference all code provisions which may be applicable to specific buildings. This record is designed to be used only by those who are knowledgeable and capable of exercising competent judgement in evaluating construction documents for code compliance.

COARECTION LIST

No.	DESCRIPTION	PROVIDED BY G.C.	Code Section
(1)	No steel Shop Drawings		
(2)	15 Corridor Rafter, ?	YES 1 HR SEE DWGS A.3 & A.4	104.4

Called Builder
2:35



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BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL, INC.
4051 W. FLOSSMOOR ROAD COUNTRY CLUB HILLS, ILLINOIS 60478-5796

National Plumbing Code
Plan Review Record
Township of Brick

Date: 1-4-01

Site Address: 930 ~~Maple~~ Cedar Bridge

Reviewed By: AK

CORRECTION LIST
Description

No. 17-2 RTV #8 needs 1" gas branch
RTV #6 needs a 1" gas branch

SEE
REVISED
DWG M-2

Flue drain need the process, all

SEE
REVISED
DWG A-5

cut sheet needed for H.C. fixture

SEE
REVISED
DWG A-12

Builder Called
4-16-01 advised
of problems

For #
244-5520

Party Called and Phone #: Jim 477-7751

Resubmitted on: _____ By: _____

APR-18-2001 12:06

P.04

**National Fire Code
Plan Review Record
Township of Brick**

Date: 12-5-00Site Address: Town Hall Shoppers (Office Bldg)

Reviewed By: _____

CORRECTION LIST
Description

No.

1. Sh Allow 2nd floor 2nd fl (1000 sq ft)2. Provide Limited Area spk systema. Elect. Roomb. Janitor closetc. _____

AREA MODIFICATION -
STREET FRONTAGE INCREASE
150% INCREASE
10,800 SF ALLOWED

NOT REQ'D - UNDER

1000 SF. 1 HR ENCLOSURE

PROVIDED

B- NO S.D. show for Hvac unitsB- No ~~tech~~ tech for S.D.'s, Heats and strobesAlarm system (manual pull 2nd floor)(Add. Smoke in corridor) > 900 sq**NO AUTO FIRE DETECTION SYSTEM OR SMOKE DETECTORS****REQ'D. SMOKE DETECTORS SHALL BE INSTALLED****IN RETURN AIR SYSTEMS OF RTU'S SEE DIV M.2**Party Called and Phone #: Callal 12-5-00

Resubmitted on: _____

By: _____

APR-18-2001 12:06

P.03

National Electrical Code
Plan Review Record
Township of Brick

Date: 12 13 00Site Address: 990 CEDAR BRIDGEReviewed By: TomCORRECTION LISTNo.Description1) ON OCCUPIED SPACE AREANO WALKONLY Common Area WIRING ONLYMUST TALK TO CONTRACTORWAITING RETURN CALL FROMCONTRACTOR - OR ~~EST~~ ESTIMATOR3RD) REQUEST -7-14-01 TomFC CANNOT TomParty Called and Phone #: 732-~~477~~-442-6336

Resubmitted on: _____ By: _____

OUR CONSULTANT IS WORKING ON THE FAULT
CURRENT CALCULATION

CERTIFIED *Testing* LABORATORIES, Inc.

1105 RIVERBEND DRIVE • P.O. BOX 2041 • DALTON, GEORGIA 30722-2041
PHONE: (404) 226-1400 FAX: (404) 226-6118

NATIONAL
BUREAU OF STANDARDS

NVLAP

CARPET LAP
NO. 0108

REPORT OF TEST

NUMBER 50838

February 8, 1990

CLIENT: Omega Carpet
P.O. Box 1446
Dalton, GA 30722

Lab. Test No. 1913801001

SUBJECT: Samples submitted and identified by client as " CONFETTI "
Roll #12534"

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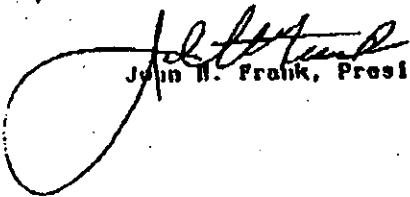
TEST RESULTS

Detailed Data Are Attached Hereto

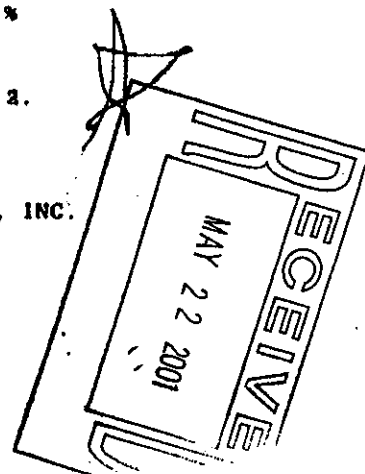
Average Critical Radiant Flux	Standard Deviation	Coefficient Of Variation
0.30 watts/sq. cm.	0.03	11.5 %

The sample tested meets or exceeds the requirements for NFPA Class 2.

For CERTIFIED TESTING LABORATORIES, INC.


John H. Frank, President

88W



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Omega

*Pattern
Works*

716 SOUTH RIVER STREET * P.O. BOX 1479 * CALHOUN, GA 30703

STYLE: CONFETTI

CONSTRUCTION:	DENSE CUT PILE GRAPHIC
GAUGE:	1/10
STITCHES PER 3 INCH:	24
PILE HEIGHT:	.250
FACE WEIGHT:	30 oz.
PRIMARY BACKING:	WOVEN POLYPROPYLENE
SECONDARY BACKING:	ACTION/BAC
FIBER:	85% OLEFIN / 15% BCF NYLON
DYE METHOD:	SOLUTION DYED OLEFIN CHROMATIC DYED NYLON
WIDTH:	12 FT
STATIC CONTROL:	BELOW 3.5 KV
FL.RADIANT PANEL:	CLASS II
WEAR WARRANTY:	5 YEAR LIMITED WEAR WARRANTY

****COLORATIONS****

BURGANDY
CHARCOAL
JADE
NAVY
TEAL

A contemporary visual with neutral backgrounds punctuated by four accent colors randomly playing on each tile. The accents create a tile that is a perfect "companion" to other Armstrong EXCELOX and Standard EXCELOX Tile colors.

PRODUCT ATTRIBUTES

- A bold design statement that combines neutral backgrounds with colorful splashes of accent color.
- Designed to be used alone, or as a "companion" to Armstrong Imperial Texture or Feature Tile, for dramatic design possibilities.
- When used with Imperial Texture instead of Feature Tile, has the double advantage of a lower total installed cost and better maintenance characteristics.
- Eight colors.
- Styled and constructed for education, healthcare and retail interiors.



Color and design are "through-pattern" to last the lifetime of the floor.



Companion Square: 51983
Feature Tile: 56905/56912/56923

PHYSICAL DATA

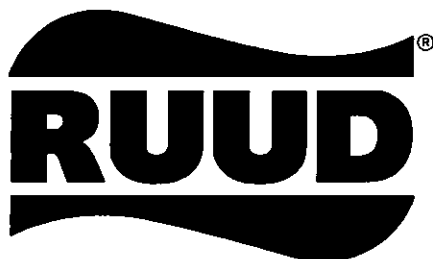
Form:	12 in. (305 mm) x 12 in. (305 mm)
Gauge:	1/8 in. (3.2 mm)
Reference Specifications:	ASTM F 1066, Class 2—through pattern MIL STD 1623D for deck covering (shipboard use)
Fire Test Data:	ASTM E 846 Critical Radiant Flux—0.45 watts/cm ² or more—Class I ASTM E 662 Smoke—450 or less Numerical flammability ratings alone may not define the performance of the product under actual fire conditions. These ratings are provided only for use in the selection of products to meet the specified limits.
Static Load Limit:	ASTM F 970 75 psi (5.27 kg/cm ²)
Durability:	Very Good
Maintainability:	Good
Resilience:	Good

Approximate installed cost per square foot:
U.S.: \$1.60 to \$2.00 Canada: C\$2.15 to C\$2.70

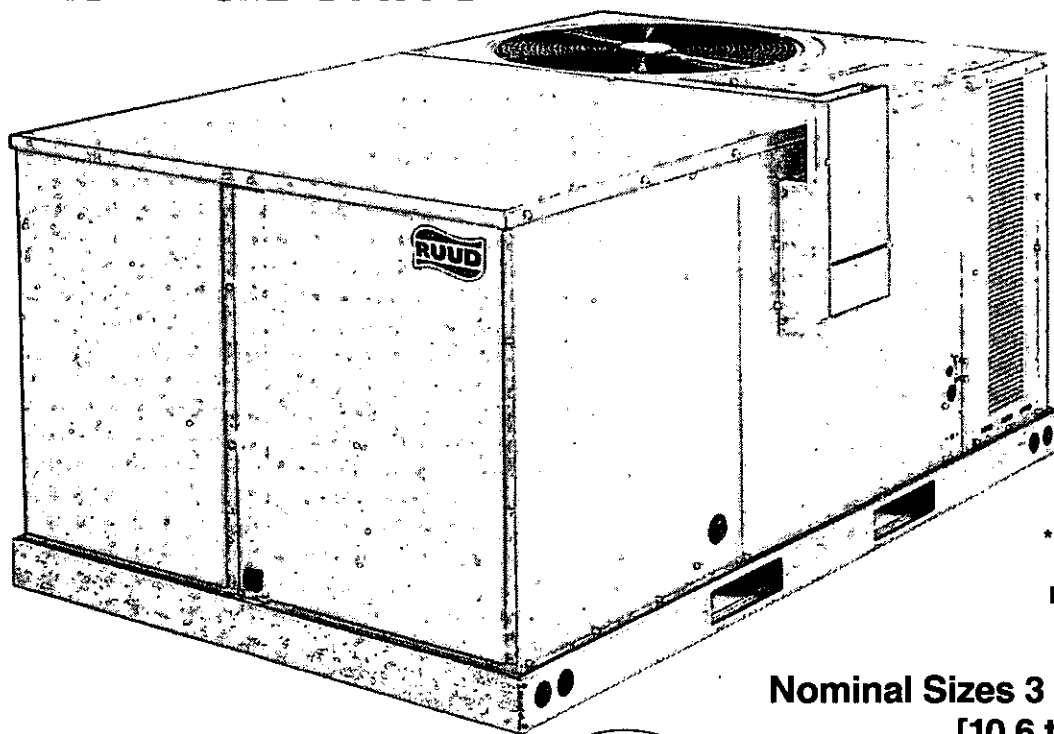
Subfloor	Wood Underlayment	Concrete	Ceramic, Marble, Terrazzo	Metal	Existing Resilient Floor
Adhesive	S-515, S-700, S-750	S-89, S-618, S-700, S-750	S-89, S-515, S-700, S-750	S-89, S-700	S-515, S-700 Tie-On

* S-89 may only be used over steel, stainless steel, aluminum and lead.

PACKAGE UNITS

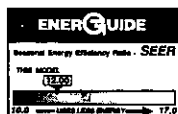


UKMA- SERIES HIGH EFFICIENCY ~~UKKA-~~ SERIES STANDARD EFFICIENCY GAS HEAT / ELECTRIC COOLING PACKAGE UNITS

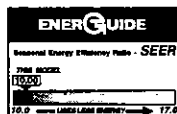


*Unit shown with
optional louver
panels installed.

Nominal Sizes 3 to 7.5 Tons
[10.6 to 26.4 kW]



UKMA Models Only



UKKA Models Only



EPA POLLUTION PREVENTER

*UKMA Models Only

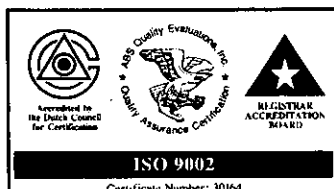
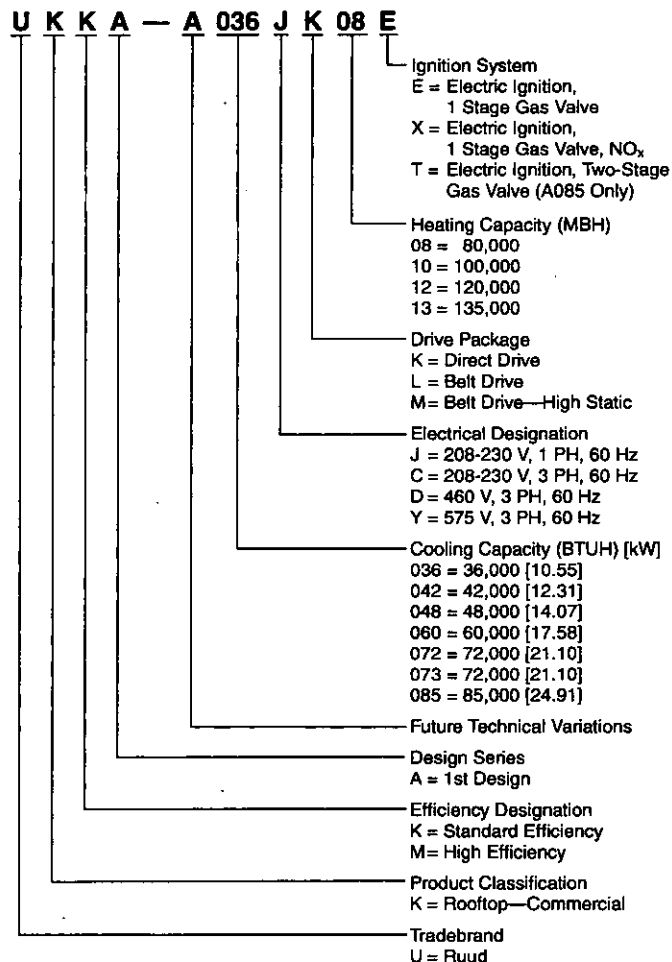


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MODEL IDENTIFICATION



ENGINEERING FEATURES

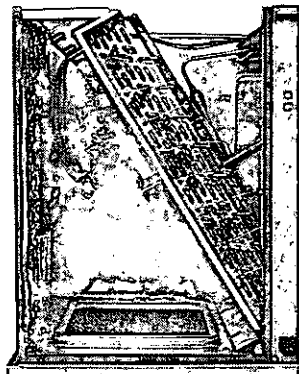
UKKA/UKMA- Series Gas Heat / Electric Cooling Units

1. All models feature Copeland® Compliant Scroll® compressors offering maximum reliability, efficiency, and quiet operation. The 7.5 ton [26.4 kW] model features two-stage cooling.
2. Aluminized steel heat exchanger with in-shot burners helps eliminate corrosion.
3. Integrated blower/burner control board with built-in diagnostic capability permits on-site trouble shooting.
4. One-piece top over the indoor section with drip lip, drawn painted base pan, and 1" [25.4 mm] raised flanges for supply/return air connections provides superior water management.
5. Convertible horizontal and vertical airflow design allows maximum field flexibility and minimizes inventory requirements.
6. Standard full perimeter forkable 14 gauge baserail with lifting holes for easier maneuvering and installations.
7. Factory installed one-inch [25.4 mm] throw away filter with provisions for two-inch [50.8 mm] filter and two-inch [50.8 mm] filters for 7.5 ton [26.4 kW] models.
8. Direct or belt drive options to accommodate a wide range of design conditions as high as 1.5 inches [.37 kPa] of external static pressure. 6 & 7.5 ton [10.6 & 26.4 kW] models available with belt drive only.
9. Easily removable filter, blower, gas heat, and compressor/control access panels permits prompt service.
10. Number and color coded wiring helps facilitate service and maintenance.
11. Common cabinet and components allows for installation flexibility and fewer parts to inventory.
12. Standard freestat control offers evaporator coil freeze protection. (Optional for 7.5 ton [26.4 kW] models).
13. Standard high and low pressure controls on high efficiency models and a factory or field installed option on standard efficiency models.
14. Externally mounted refrigerant gauge ports for easy service diagnostics.
15. Side and base electric power and gas connection entry helps minimize roof penetrations.
16. Quick assembly common roof curbs helps save field labor and maximize size flexibility.
17. Easy to install, plug-in, slip-in, 100% fully modulating economizers.
18. Quality powder paint finish offers long lasting protection against extreme weather conditions and is able to withstand 1000 HR salt spray test.

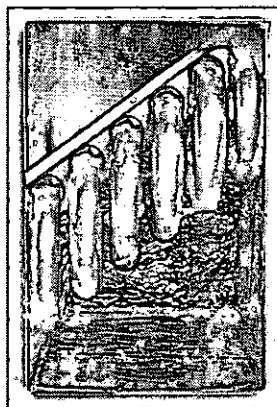
These quality features are included in the Ruud Gas Heat / Electric Cooling Package Unit

Evaporator Coil/Filter Access

- Return air filters, normally provided, are removed in this photo.



- Non-corrosive plastic condensate pan



Tubular Heat Exchanger

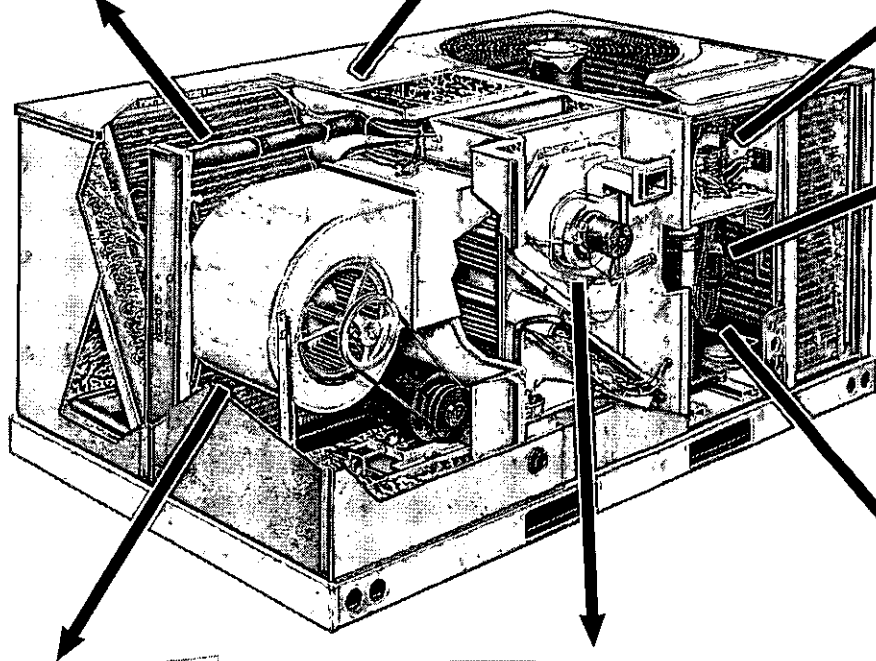
- Aluminumized steel (viewed from supply air side panel.)

Control Box Access



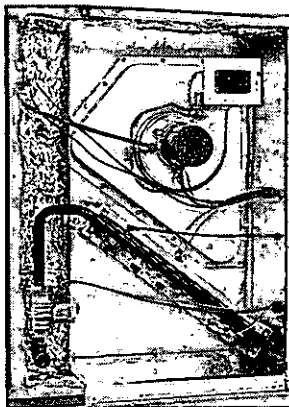
Compressor Access

(3 to 6 Ton [10.6 to 21.1 kW] Models)

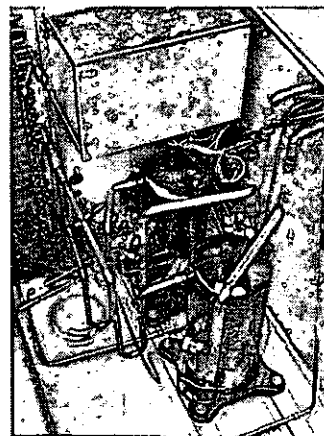


Blower Access

- Belt drive model shown. (available on 3-phase models only.)



Heating Compartment Access



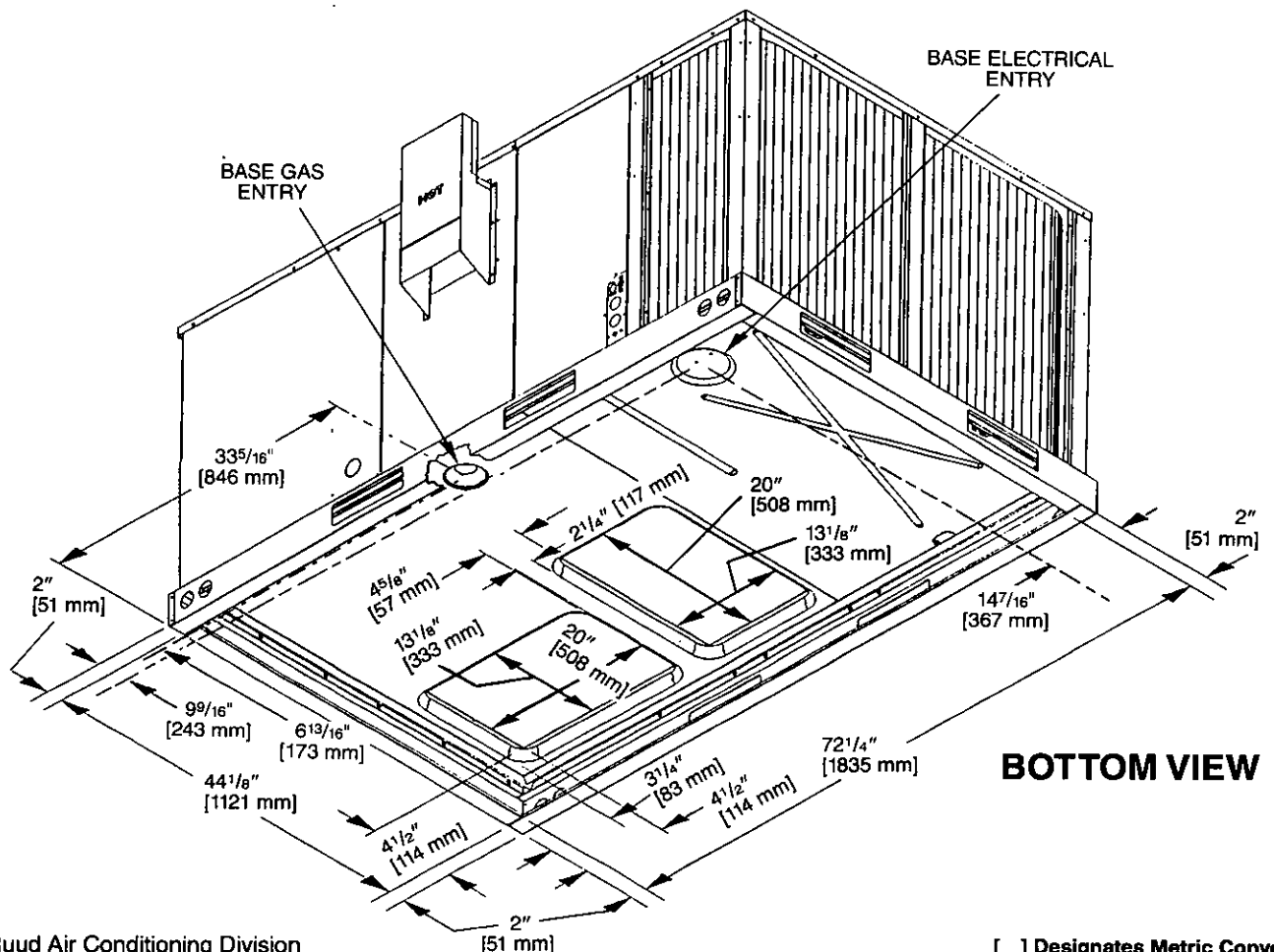
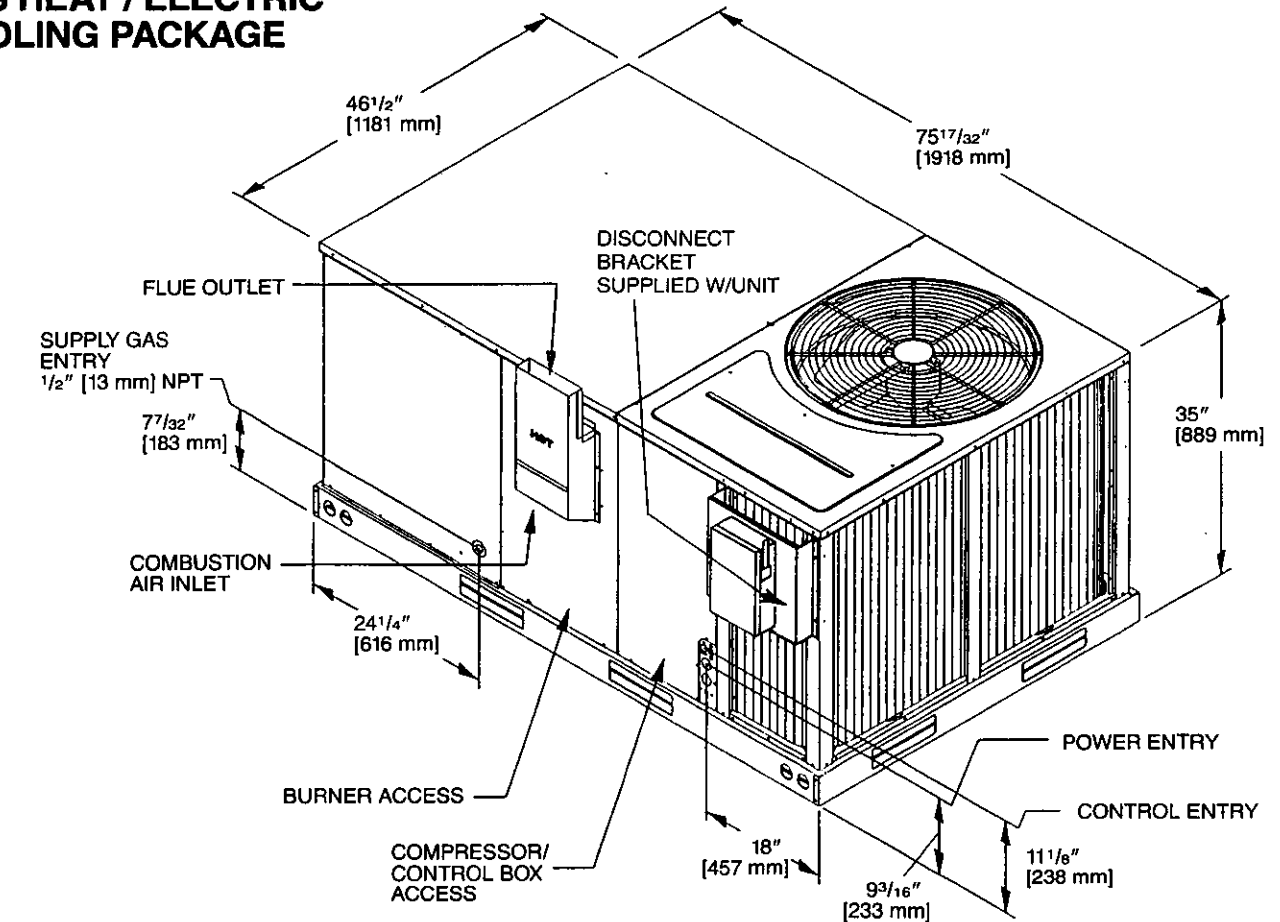
Compressor Access

(7.5 Ton [26.4 kW] Models)

- Dual compressors (available in 7.5 ton [26.4 kW] models only) provide two-stage cooling.

UNIT DIMENSIONS GAS HEAT / ELECTRIC COOLING PACKAGE

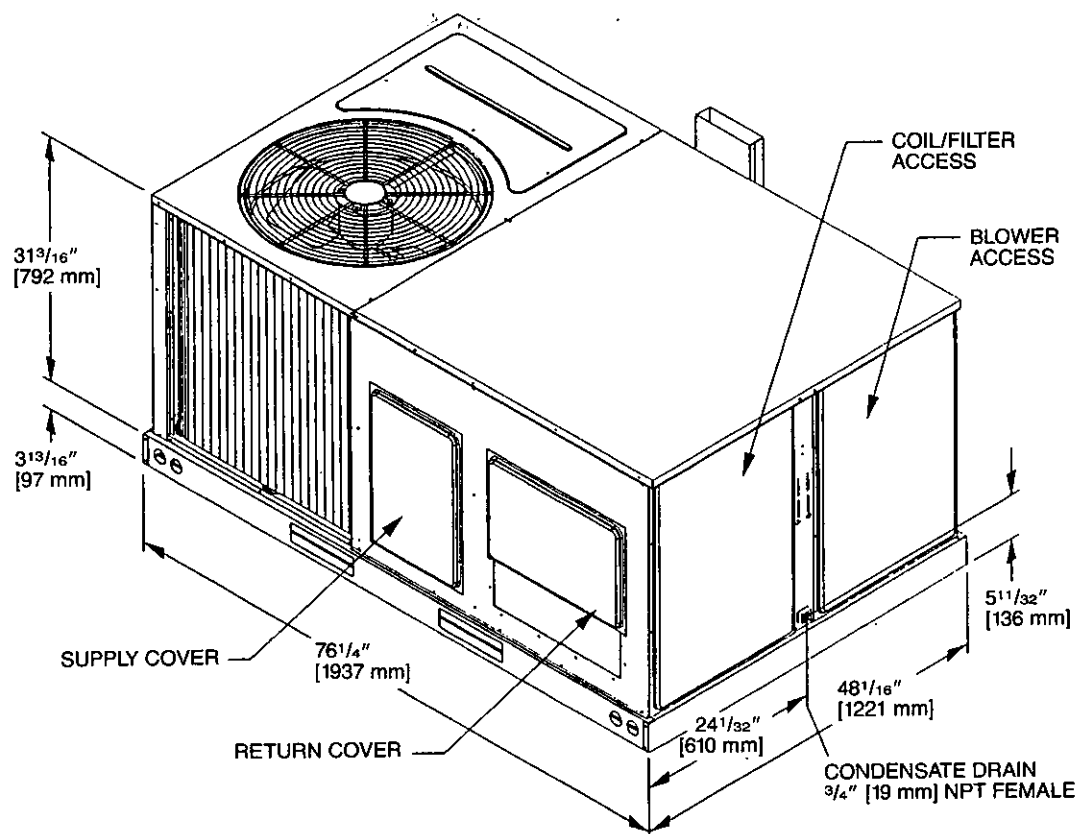
3 TO 6 TON [10.6 TO 21.1 kW] MODELS



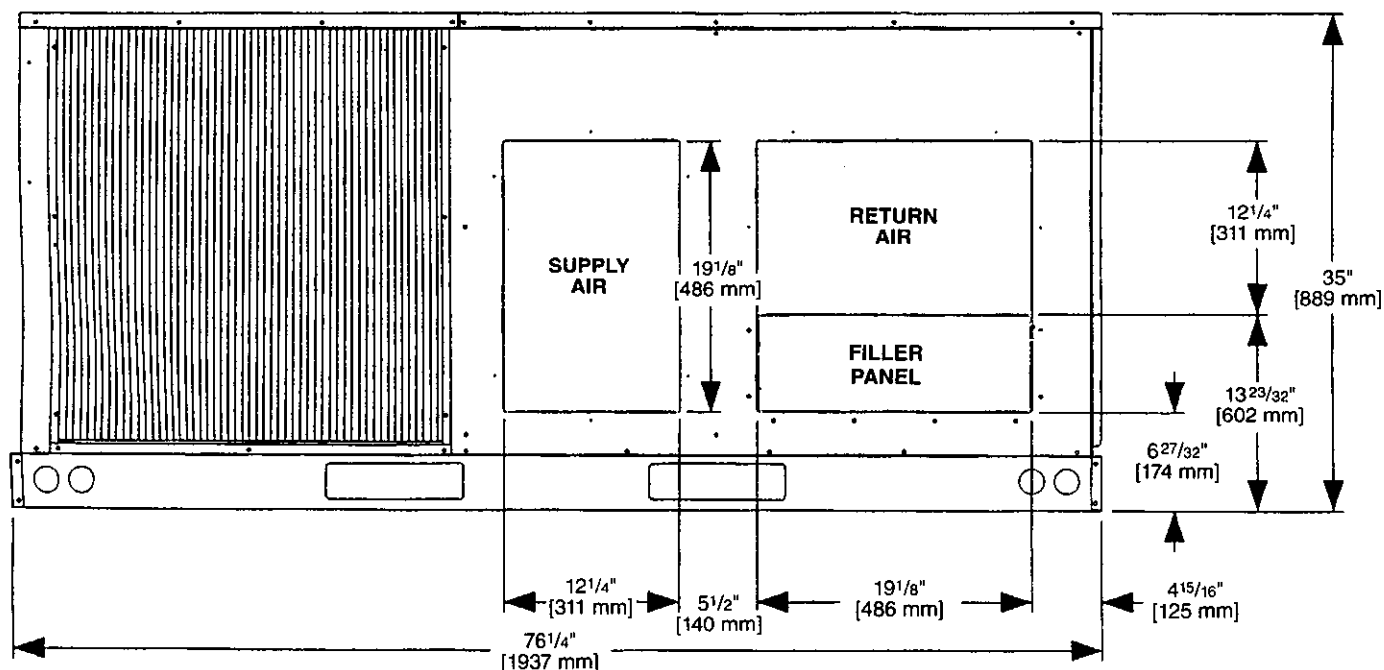
BOTTOM VIEW

UNIT DIMENSIONS GAS HEAT / ELECTRIC COOLING PACKAGE

3 TO 6 TON [10.6 TO 21.1 kW] MODELS

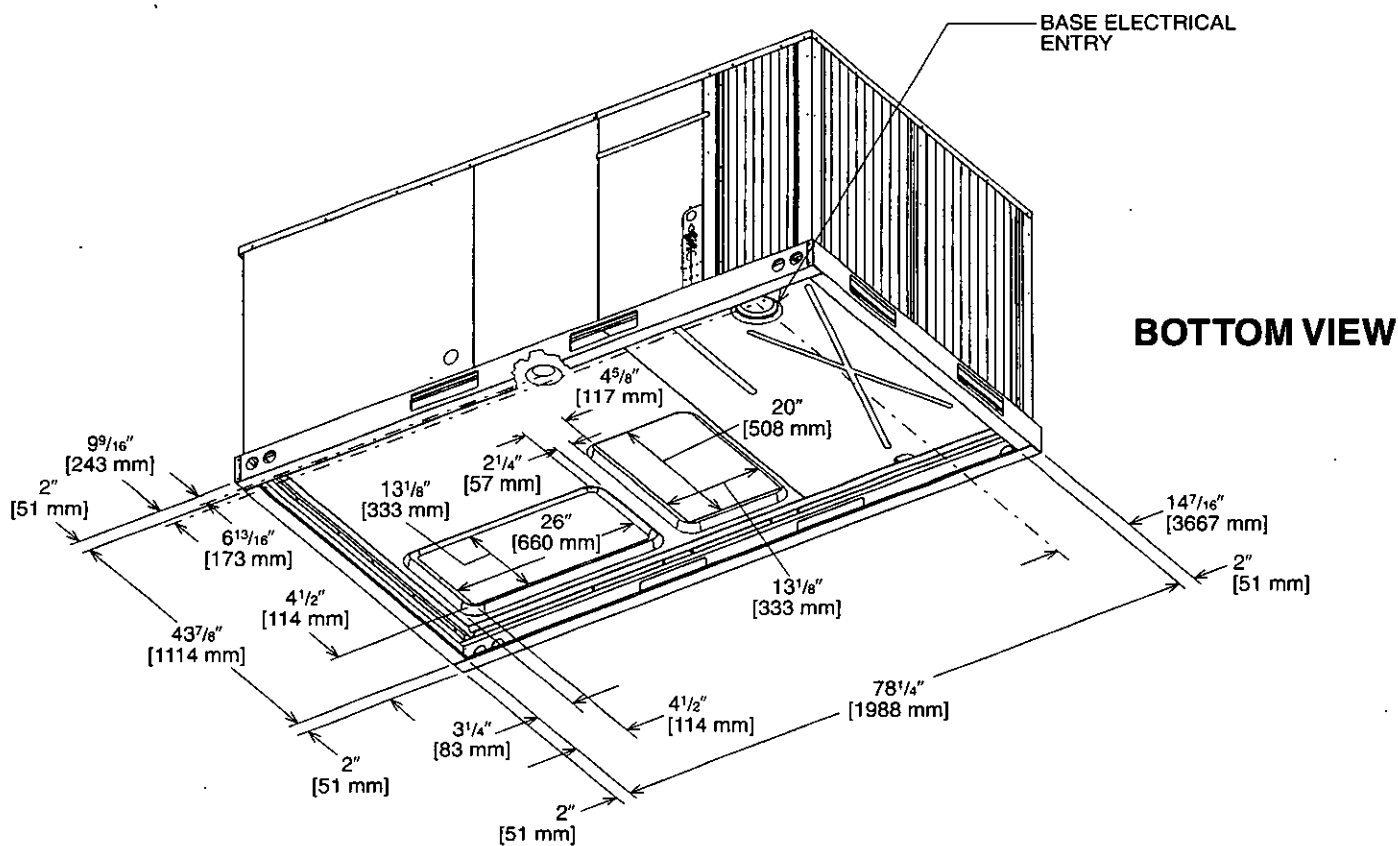
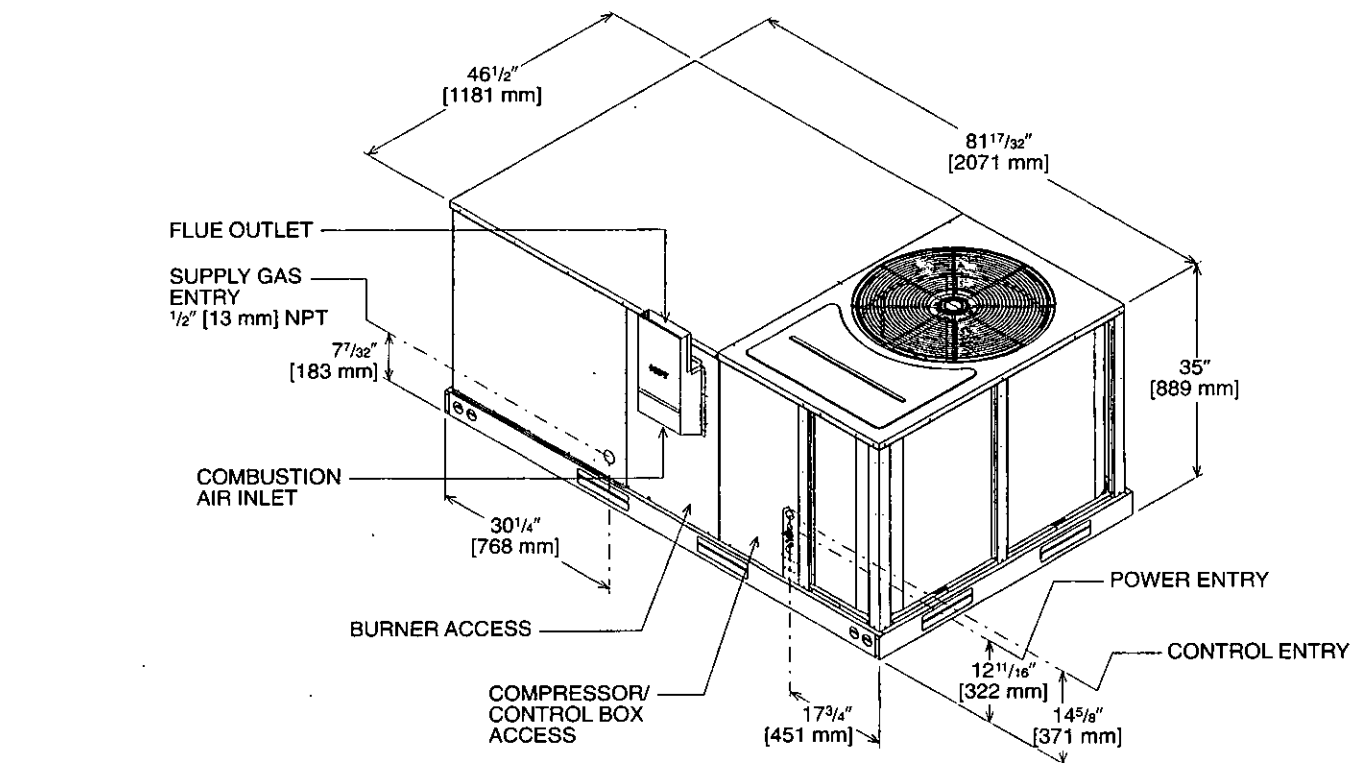


SUPPLY AND RETURN DIMENSIONS



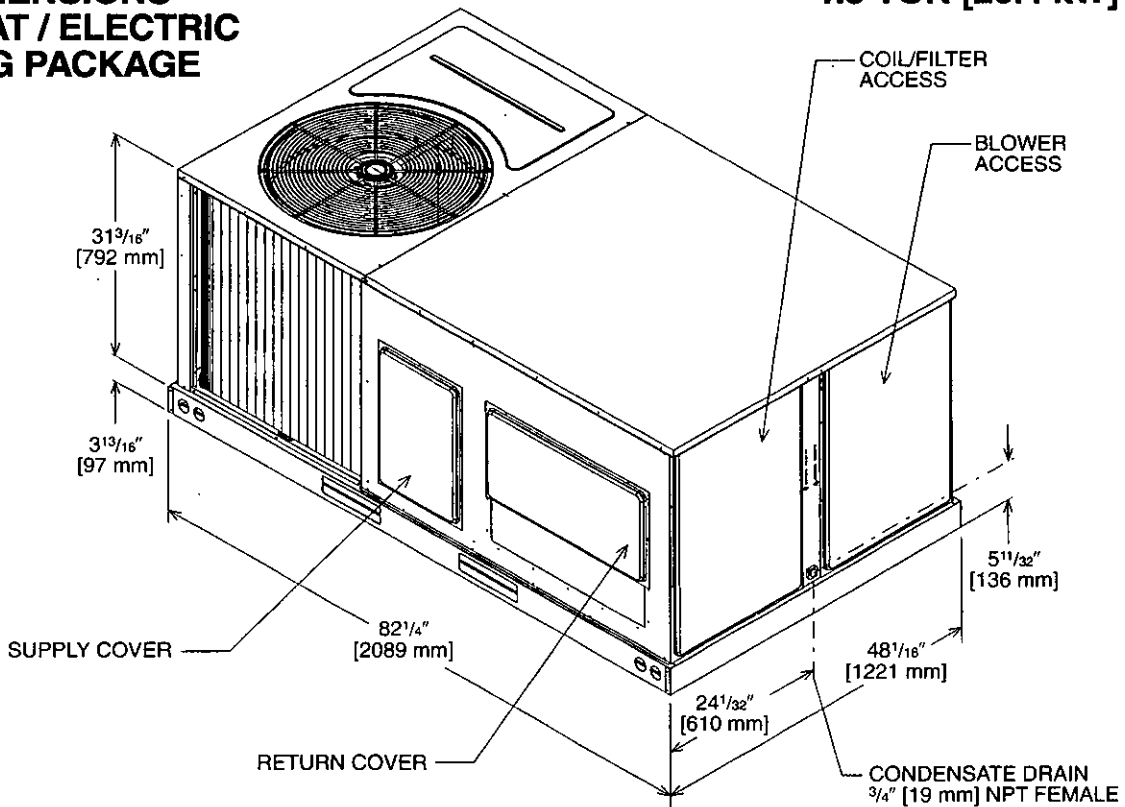
UNIT DIMENSIONS GAS HEAT / ELECTRIC COOLING PACKAGE

7.5 TON [26.4 kW] MODELS

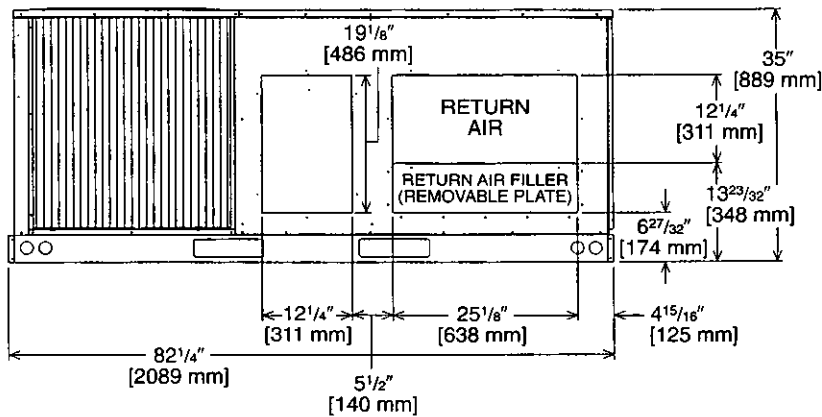


UNIT DIMENSIONS GAS HEAT / ELECTRIC COOLING PACKAGE

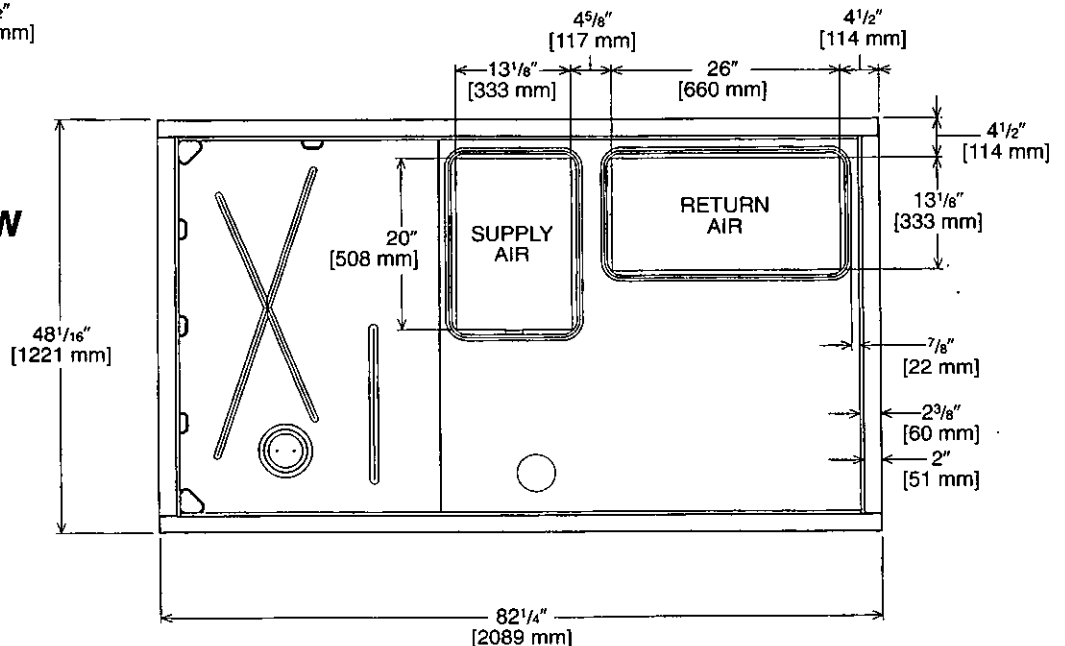
7.5 TON [26.4 kW] MODELS



SUPPLY AND RETURN DIMENSIONS

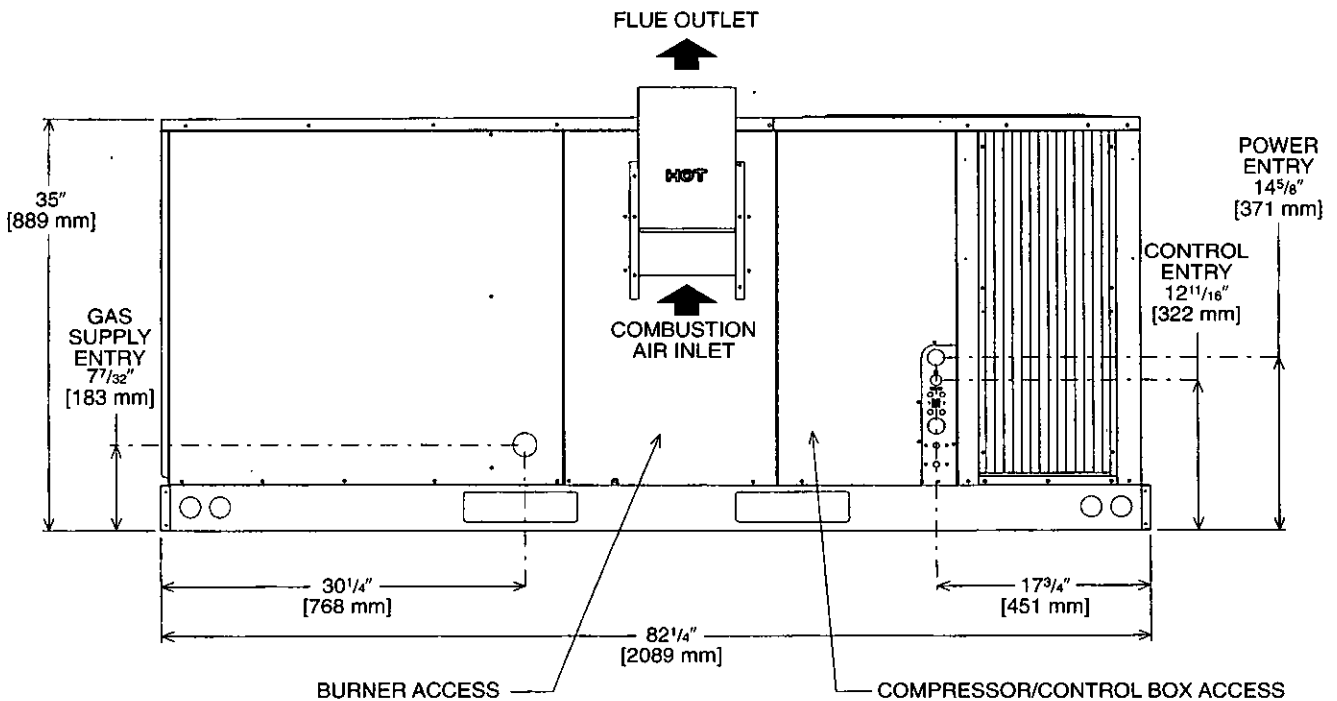
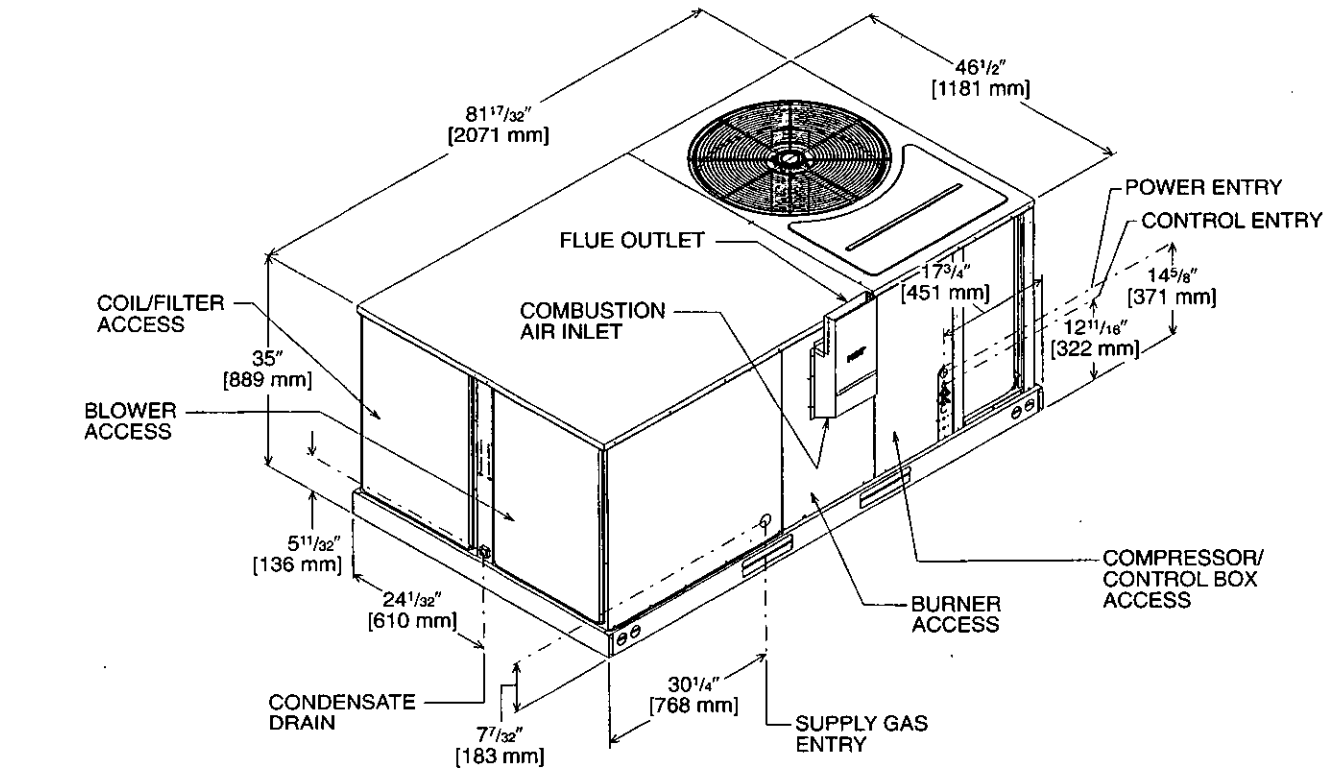


BOTTOM VIEW



UNIT DIMENSIONS GAS HEAT / ELECTRIC COOLING PACKAGE

7.5 TON [26.4 kW] MODELS



WEIGHTS

Unit	UKKA		UKMA	
	Shipping	Operating	Shipping	Operating
	lbs [kg]	lbs [kg]	lbs [kg]	lbs [kg]
A036**08	520 [236]	513 [233]	550 [249]	543 [246]
A036**12	529 [240]	522 [237]	559 [254]	552 [250]
A042**08	536 [243]	529 [240]	577 [262]	570 [259]
A042**12	545 [247]	538 [244]	586 [266]	579 [263]
A048**08	580 [263]	573 [260]	587 [266]	580 [263]
A048**10	580 [263]	573 [260]	587 [266]	580 [263]
A048**13	585 [265]	578 [262]	592 [269]	585 [265]
A060**10	580 [263]	573 [260]	597 [271]	590 [268]
A060**13	585 [265]	578 [262]	604 [274]	597 [271]
A072**10/A073**10	615 [279]	608 [276]	—	—
A072**13/A073**13	621 [282]	614 [279]	—	—
A085**13	714 [324]	705 [320]	—	—

Accessory	3-6 Ton [10.6-21.1 kW]		7.5 Ton [26.4 kW]	
	Shipping	Operating	Operating	Operating
	lbs [kg]	lbs [kg]	lbs [kg]	lbs [kg]
Economizer	70 [32]	60 [27]	80 [36]	70 [32]
Power Exhaust	Pending	Pending	Pending	Pending
Fresh Air Damper (Manual)	11 [5]	9 [4]	14 [6]	12 [5]
Fresh Air Damper (Motorized)	13 [6]	11 [5]	16 [7]	14 [6]
Roof Curb 14"	92 [42]	88 [40]	92 [42]	88 [40]
Roof Curb 24"	108 [49]	104 [47]	108 [49]	104 [47]
Concentric Diffuser 18" Flush	37 [17]	26 [12]	37 [17]	26 [12]
Concentric Diffuser 20" Flush	54 [24]	42 [19]	54 [24]	42 [19]
Side Discharge Concentric Diffuser RXRN-FA60	35 [16]	20 [9]	—	—
Side Discharge Concentric Diffuser RXRN-FA65	55 [25]	40 [18]	55 [25]	40 [18]

CENTER OF GRAVITY (C.G.)

Capacity Tons [kW]	A in. [mm]	B in. [mm]
3-6 [10.6-21.1]	38 1/4 [972]	25 3/4 [654]
7.5 [26.4]	39 [991]	26 1/8 [664]

Capacity Tons [kW]	Corner Weights by Percentage			
	A	B	C	D
3-6 [10.6-21.1]	22%	27%	23%	28%
7.5 [26.4]	23%	29%	21%	27%

CLEARANCES

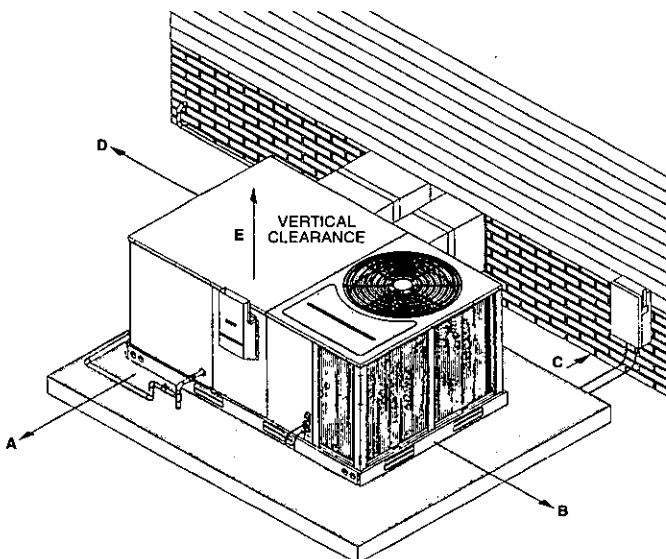
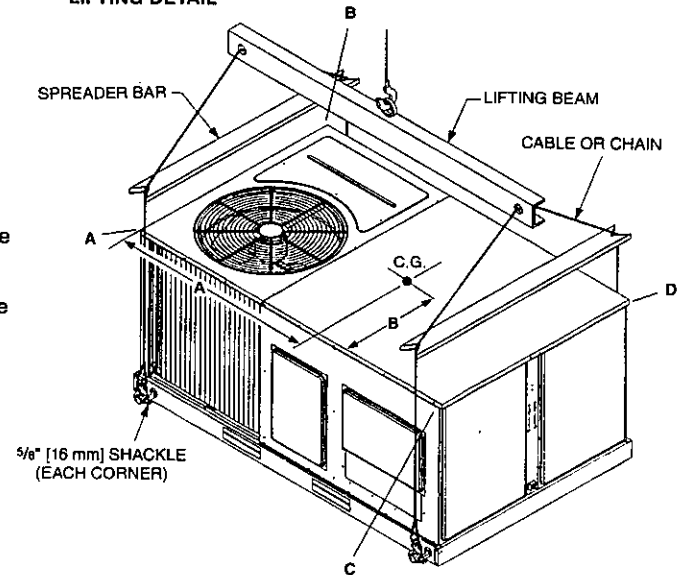
(3 to 7.5 Ton [10.6 to 26.4 kW] Models)

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

Recommended Clearance in. [mm]	Location
48 [1219]	A - Front
18 [457]	B - Condenser Coil
12 [305]	C - Duct Side
36 [914]	D - Evaporator End
60 [1524]	E - Above

NOTE: Supply duct may be installed with "0" inch clearance to combustible materials, provided 1" [25.4 mm] minimum Fiberglass insulation is applied either inside or on the outside of the duct.

LIFTING DETAIL



COOLING PERFORMANCE DATA—STANDARD EFFICIENCY

UKKA-	CFM [L/s]	Net Total MBTUH [kW]	Net Sens MBTUH [kW]	Net Latent MBTUH [kW]	SEER	EER	Sound Rating (db)
A036	1200 [566]	36 [10.56]	26.5 [7.74]	9.5 [2.78]	10.2	9.40	78.0
A042	1400 [661]	42 [12.30]	32 [9.36]	10 [2.93]	10.0	9.05	78.0
A048	1600 [755]	48 [14.10]	35.5 [10.38]	12.5 [3.66]	10.4	9.80	78.0
A060	2000 [944]	60 [17.55]	44 [12.90]	16 [4.69]	10.1	9.30	78.0
A072	2200 [1038]	70 [20.40]	49.5 [14.55]	20.5 [6.01]	—	9.50	83.0
A073	2200 [1038]	72 [21.10]	51.5 [15.09]	20.5 [6.01]	—	9.80	83.0
A085	2850 [1345]	85 [24.90]	63.4 [18.60]	21.6 [6.30]	—	9.10	83.0

COOLING PERFORMANCE DATA—HIGH EFFICIENCY

UKMA-	CFM [L/s]	Net Total MBTUH [kW]	Net Sens MBTUH [kW]	Net Latent MBTUH [kW]	SEER	EER	Sound Rating (db)
A036	1200 [566]	36 [10.56]	27 [7.92]	9 [2.64]	12.0	10.5	78.0
A042	1400 [661]	40.5 [11.85]	31 [9.06]	9.5 [2.78]	12.0	10.4	78.0
A048	1600 [755]	48 [14.10]	35.5 [10.38]	12.5 [3.66]	12.0	10.4	78.0
A060	1900 [897]	58.5 [17.10]	43 [12.60]	15.5 [4.54]	12.0	10.5	83.0

HEATING PERFORMANCE DATA—SINGLE PHASE

UKKA-/UKMA-	Heating Input MBTUH [kW]	Heating Output MBTUH [kW]	AFUE	California Seasonal Efficiency %	Temp Rise °F [°C]
A036JK08	80 [23.4]	62.5 [18.3]	80	75.5	30-60 [16.5-33.5]
A036JK12	120 [35.2]	94.5 [27.7]	80	76.5	50-80 [28.0-44.5]
A042JK08	80 [23.4]	62.5 [18.3]	80	75.5	30-60 [16.5-33.5]
A042JK12	120 [35.2]	94.5 [27.7]	80	76.5	50-80 [28.0-44.5]
A048JK08	80 [23.4]	62.5 [18.3]	80	75.5	30-60 [16.5-33.5]
A048JK10	100 [29.3]	78.5 [23.0]	80	75.5	40-70 [22.0-39.0]
A048JK13	135 [39.6]	106.5 [31.2]	80	76.5	50-80 [28.0-44.5]
A060JK10	100 [29.3]	78.5 [23.0]	80	75.5	40-70 [22.0-39.0]
A060JL10	100 [29.3]	78.5 [23.0]	80	75.5	25-55 [14.0-30.5]
A060JK13	135 [39.6]	106.5 [31.2]	80	76.0	40-70 [22.0-39.0]
A060JL13	135 [39.6]	106.5 [31.2]	80	76.0	40-70 [22.0-39.0]

HEATING PERFORMANCE DATA—THREE PHASE

UKKA-/UKMA-	Heating Input MBTUH [kW]	Heating Output MBTUH [kW]	Steady State Efficiency %	California Seasonal Efficiency %	Temp Rise °F [°C]
A036*K08	80 [23.4]	62.5 [18.3]	78.1	75.5	30-60 [16.5-33.5]
A036*L08	80 [23.4]	62.5 [18.3]	78.1	76.0	35-65 [19.5-36.0]
A036*K12	120 [35.2]	94.5 [27.7]	78.8	76.5	50-80 [28.0-44.5]
A036*L12	120 [35.2]	94.5 [27.7]	78.8	76.5	50-80 [28.0-44.5]
A042*K08	80 [23.4]	62.5 [18.3]	78.1	75.5	30-60 [16.5-33.5]
A042*L08	80 [23.4]	62.5 [18.3]	78.1	75.5	30-60 [16.5-33.5]
A042*K12	120 [35.2]	94.5 [27.7]	78.8	76.5	50-80 [28.0-44.5]
A042*L12	120 [35.2]	94.5 [27.7]	78.8	76.5	50-80 [28.0-44.5]
A048*K08	80 [23.4]	62.5 [18.3]	78.1	75.5	30-60 [16.5-33.5]
A048*L08	80 [23.4]	62.5 [18.3]	78.1	75.5	30-60 [16.5-33.5]
A048*K10	100 [29.3]	78.5 [23.0]	78.5	75.5	40-70 [22.0-39.0]
A048*L10	100 [29.3]	78.5 [23.0]	78.5	75.5	30-60 [16.5-33.5]
A048*K13	135 [39.6]	106.5 [31.2]	78.9	76.5	50-80 [28.0-44.5]
A048*L13	135 [39.6]	106.5 [31.2]	78.9	77.0	50-80 [28.0-44.5]
A060*K10	100 [29.3]	78.5 [23.0]	78.5	75.5	40-70 [22.0-39.0]
A060*L10	100 [29.3]	78.5 [23.0]	78.5	75.5	25-55 [14.0-30.5]
A060*K13	135 [39.6]	106.5 [31.2]	78.9	77.3	40-70 [22.0-39.0]
A060*L13	135 [39.6]	106.5 [31.2]	78.9	76.0	40-70 [22.0-39.0]
UKKA-A072/A073**10	100 [29.3]	78.5 [23.0]	78.5	75.5	20-50 [11.0-28.0]
UKKA-A072/A073**13	135 [39.6]	106.5 [31.2]	78.9	75.0	30-60 [16.5-33.5]
UKKA-A085*L13	135 [39.6]	106.5 [31.2]	78.9	75.0	20-50 [11.0-28.0]
UKKA-A085*L13T	135/74.25 [39.6/21.76]	106.5/58.5 [31.21/17.14]	78.9/78.9	75.0	20-50 [11.0-28.0]

**C, D or Y Voltage; L or M Drive Package

[] Designates Metric Conversions

SELECTION PROCEDURE

1. Determine cooling and heating requirements at design conditions.

Example:

Total cooling capacity 43,600 BTUH [12.78 kW]
Sensible cooling capacity 34,000 BTUH [9.96 kW]
Heating capacity 96,000 BTUH [28.13 kW]
Condenser entering air 95°F [35°C]
Evaporator entering air 63°F [17°C] wb/76°F [24°C] db
Indoor air flow 1600 CFM [755 L/s]
External static pressure 1.1 in wg
Required efficiency 12 SEER

2. Select unit to meet cooling requirements.

Since total cooling is within the range of 4 ton [14.07 kW] unit and requires 12 SEER efficiency level, enter cooling performance from the UKMA-A048 table, on page 31, at 95°F [35°C] outdoor temperature, 63°F [17°C] wb entering indoor air, and 1600 CFM [755 L/s]:

Total capacity 46,600 BTUH [13.66 kW]
Power input 4.2 kW

And also, at 76°F [24°C] db indoor entering air, and using the formula at the bottom of the table:

Sensible capacity 36,646 BTUH [10.74 kW]

3. Select heating capacity of the unit.

In the heating capacity table on page 10, note that the 4 ton [14.07 kW] model with the 135,000 input heater can deliver 106,500 BTUH [31.21 kW], which is suitable for this application.

4. Determine blower speed and power to meet the system requirements.

At the given external static pressure of 1.1 in wg, the belt model must be selected. Enter the belt drive blower performance table on page 18 at 1600 CFM [755 L/s] and 1.1 in wg ESP:

RPM 1195
Watts 755
Drive M

5. Calculate indoor blower BTUH heat effect.

BTUH = Watts x 3.413 = 2577

6. Calculate net cooling capacities.

Net total cooling = 46,600 – 2577 = 44,023 BTUH [12.90 kW]
Net sensible cooling = 36,646 – 2577 = 34,069 BTUH [9.98 kW]

[] Designates Metric Conversions

BEFORE PURCHASING THIS APPLIANCE, READ IMPORTANT ENERGY COST AND EFFICIENCY INFORMATION AVAILABLE FROM YOUR RETAILER.

GENERAL TERMS OF LIMITED WARRANTY*

Ruud will furnish a replacement for any part of this product which fails in normal use and service within the applicable periods stated, in accordance with the terms of the limited warranty.

Heat Exchanger Ten (10) Years

Condenser Coil and Evaporator Coil leaks
caused by factory defects (3-5 ton models) Five (5) Years

Condenser Coil and Evaporator Coil leaks

caused by factory defects (6 & 7.5 ton models) .One (1) Year
Compressor (10 SEER 1-Phase Models and

all 3-Phase Models).....Five (5) Years

Compressor (12 SEER 1-Phase Models).....Ten (10) Years

Any Other Part.....One (1) Year

*For Complete Details of the Limited Warranty, Including Applicable Terms and Conditions, See Your Local Installer or Contact the Manufacturer for a Copy.

PHYSICAL & ELECTRICAL DATA—HIGH EFFICIENCY

Model No. UKMA-	ELECTRICAL										PHYSICAL						
	Phase Frequency (Hz) Voltage (Volts)	Compressor		Full Load Amperes (FLA)		Minimum Circuit Amperes	Fuse or HACR Circuit Breaker		Drive Type	Filter Recommended No. and Size [mm x mm x mm]	Outdoor Coil			R22 Oz. [g]	Weight		
		Rated Load Amperes (RLA)	Locked Rotor Amperes (LRA)	Fan Motor	Blower Motor		Minimum Amperes	Maximum Amperes			Area Sq. Ft. [Sq. m]	No. Rows	CFM [L/s]		Net Lbs. [kg]	Ship Lbs. [kg]	
A036CK08	3-60-208/230	10.3/10.3	77	2.0	3.0	18/18	25/25	25/25	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	543 [246.3]	550 [249.5]	
A036CK12	3-60-208/230	10.3/10.3	77	2.0	3.0	18/18	25/25	25/25	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	543 [246.3]	550 [249.5]	
A036CL08	3-60-208/230	10.3/10.3	77	2.0	2.8	18/18	25/25	25/25	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	543 [246.3]	550 [249.5]	
A036CL12	3-60-208/230	10.3/10.3	77	2.0	2.8	18/18	25/25	25/25	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	543 [246.3]	550 [249.5]	
A036CM08	3-60-208/230	10.3/10.3	77	2.0	2.8	18/18	25/25	25/25	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	543 [246.3]	550 [249.5]	
A036CM12	3-60-208/230	10.3/10.3	77	2.0	2.8	18/18	25/25	25/25	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	543 [246.3]	550 [249.5]	
A036DL08	3-60-460	5.1	39	1.0	1.4	9	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	543 [246.3]	550 [249.5]	
A036DL12	3-60-460	5.1	39	1.0	1.4	9	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	543 [246.3]	550 [249.5]	
A036DM08	3-60-460	5.1	39	1.0	1.4	9	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	543 [246.3]	550 [249.5]	
A036DM12	3-60-460	5.1	39	1.0	1.4	9	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	543 [246.3]	550 [249.5]	
A036DK08	3-60-460	5.1	39	1.0	2.0	10	15	15	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	543 [246.3]	550 [249.5]	
A036DK12	3-60-460	5.1	39	1.0	2.0	10	15	15	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	543 [246.3]	550 [249.5]	
A036JK08	1-60-208/230	16.5/16.5	95	2.0	3.0	26/26	30/30	40/40	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	543 [246.3]	550 [249.5]	
A036JK12	1-60-208/230	16.5/16.5	95	2.0	3.0	26/26	30/30	40/40	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	552 [250.4]	559 [253.6]	
A036YL08	3-60-575	4.2	36	.7	1.3	8	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	543 [246.3]	550 [249.5]	
A036YL12	3-60-575	4.2	36	.7	1.3	8	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	552 [250.4]	559 [253.6]	
A036YM08	3-60-575	4.2	36	.7	1.3	8	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	543 [246.3]	550 [249.5]	
A036YM12	3-60-575	4.2	36	.7	1.3	8	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	543 [246.3]	550 [249.5]	

[] Designates Metric Conversions

PHYSICAL & ELECTRICAL DATA—HIGH EFFICIENCY (Cont.)

Model No. UKMA-	ELECTRICAL										PHYSICAL					
	Phase Frequency (Hz) Voltage (Volts)	Compressor		Full Load Amperes (FLA)		Minimum Circuit Ampacity Amperes	Fuse or HACR Circuit Breaker		Drive Type	Filter Recommended No. and Size [mm x mm x mm]	Outdoor Coil			R22 Oz. [g]	Weight	
		Rated Load Amperes (RLA)	Locked Rotor Amperes (LRA)	Fan Motor	Blower Motor		Minimum Amperes	Maximum Amperes			Area Sq. Ft. [Sq. m]	No. Rows	CFM [L/s]		Net Lbs. [kg]	Ship Lbs. [kg]
A042CK08	3-60-208/230	12.4/12.4	88	2.0	3.0	21/21	25/25	30/30	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	570 [258.5]	577 [261.7]
A042CK12	3-60-208/230	12.4/12.4	88	2.0	3.0	21/21	25/25	30/30	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	579 [262.6]	586 [265.8]
A042CL08	3-60-208/230	12.4/12.4	88	2.0	2.8	21/21	25/25	30/30	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	570 [258.5]	577 [261.7]
A042CL12	3-60-208/230	12.4/12.4	88	2.0	2.8	21/21	25/25	30/30	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	579 [262.6]	586 [265.8]
A042CM08	3-60-208/230	12.4/12.4	88	2.0	2.8	21/21	25/25	30/30	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	570 [258.5]	577 [261.7]
A042CM12	3-60-208/230	12.4/12.4	88	2.0	2.8	21/21	25/25	30/30	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	570 [258.5]	577 [261.7]
A042DL08	3-60-460	6.1	44	1.0	1.4	11/11	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	570 [258.5]	577 [261.7]
A042DL12	3-60-460	6.1	44	1.0	1.4	11/11	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	579 [262.6]	586 [265.8]
A042DM08	3-60-460	6.1	44	1.0	1.4	11	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	570 [258.5]	577 [261.7]
A042DM12	3-60-460	6.1	44	1.0	1.4	11	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	570 [258.5]	577 [261.7]
A042DK08	3-60-460	6.1	44	1.0	2.0	11	15	15	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	570 [258.5]	577 [261.7]
A042DK12	3-60-460	6.1	44	1.0	2.0	11	15	15	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	570 [258.5]	577 [261.7]
A042JK08	1-60-208/230	18.0/18.0	104	2.0	3.0	35/35	45/45	50/50	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	570 [258.5]	577 [261.7]
A042JK12	1-60-208/230	18.0/18.0	104	2.0	3.0	35/35	45/45	50/50	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	579 [262.6]	586 [265.8]
A042YL08	3-60-575	4.8	35	.7	1.3	8	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	570 [258.5]	577 [261.7]
A042YL12	3-60-575	4.8	35	.7	1.3	8	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	579 [262.6]	586 [265.8]
A042YM08	3-60-575	4.8	35	.7	1.3	8	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	570 [258.5]	577 [261.7]
A042YM12	3-60-575	4.8	35	.7	1.3	8	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	104 [2948]	570 [258.5]	577 [261.7]

[] Designates Metric Conversions

PHYSICAL & ELECTRICAL DATA—HIGH EFFICIENCY (Cont.)

Model No. UKMA-	ELECTRICAL										PHYSICAL					
	Phase Frequency (Hz) Voltage (Volts)	Compressor		Full Load Amperes (FLA)		Minimum Circuit Amperes	Fuse or HACR Circuit Breaker		Drive Type	Filter Recommended No. and Size [mm x mm x mm]	Outdoor Coil			R22 Oz. [g]	Weight	
		Rated Load Amperes (RLA)	Locked Rotor Amperes (LRA)	Fan Motor	Blower Motor		Minimum Amperes	Maximum Amperes			Area Sq. Ft. [Sq. m]	No. Rows	CFM [L/s]		Net Lbs. [kg]	Ship Lbs. [kg]
A048CK08	3-60-208/230	13.5/13.5	120	2.0	3.0	22/22	30/30	35/35	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]
A048CK10	3-60-208/230	13.5/13.5	120	2.0	3.0	22/22	30/30	35/35	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]
A048CK13	3-60-208/230	13.5/13.5	120	2.0	3.0	22/22	30/30	35/35	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	585 [265.4]	592 [268.5]
A048CL08	3-60-208/230	13.5/13.5	120	2.0	2.8	22/22	30/30	35/35	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]
A048CL10	3-60-208/230	13.5/13.5	120	2.0	2.8	22/22	30/30	35/35	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]
A048CL13	3-60-208/230	13.5/13.5	120	2.0	2.8	22/22	30/30	35/35	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	585 [265.4]	592 [268.5]
A048CM08	3-60-208/230	13.5/13.5	120	2.0	3.4	23/23	30/30	35/35	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]
A048CM10	3-60-208/230	13.5/13.5	120	2.0	3.4	23/23	30/30	35/35	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]
A048CM13	3-60-208/230	13.5/13.5	120	2.0	3.4	23/23	30/30	35/35	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]
A048DL08	3-60-460	7.4	49.5	1.0	1.4	12/12	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]
A048DL10	3-60-460	7.4	49.5	1.0	1.4	12/12	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]
A048DL13	3-60-460	7.4	49.5	1.0	1.4	12/12	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	585 [265.4]	592 [268.5]
A048DM08	3-60-460	7.4	49.5	1.0	1.6	12	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]
A048DM10	3-60-460	7.4	49.5	1.0	1.6	12	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]
A048DM13	3-60-460	7.4	49.5	1.0	1.6	12	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]
A048DK08	3-60-460	7.4	49.5	1.0	2.0	13	15	15	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]
A048DK10	3-60-460	7.4	49.5	1.0	2.0	13	15	15	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]
A048DK13	3-60-460	7.4	49.5	1.0	2.0	13	15	15	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]
A048JK08	1-60-208/230	23.7/23.7	129	2.0	3.0	35/35	45/45	50/50	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]
A048JK10	1-60-208/230	23.7/23.7	129	2.0	3.0	35/35	45/45	50/50	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]
A048JK13	1-60-208/230	23.7/23.7	129	2.0	3.0	35/35	45/45	50/50	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	585 [265.4]	592 [268.5]

[] Designates Metric Conversions

PHYSICAL & ELECTRICAL DATA—HIGH EFFICIENCY (Cont.)

Model No. UKMA-	ELECTRICAL										PHYSICAL						
	Phase Frequency (Hz) Voltage (Volts)	Compressor		Full Load Amperes (FLA)		Minimum Circuit Amperes	Fuse or HACR Circuit Breaker		Drive Type	Filter Recommended No. and Size [mm x mm x mm]	Outdoor Coil			R22 Oz. [g]	Weight		
		Rated Load Amperes (RLA)	Locked Rotor Amperes (LRA)	Fan Motor	Blower Motor		Minimum Amperes	Maximum Amperes			Area Sq. Ft. [Sq. m]	No. Rows	CFM [L/s]		Net Lbs. [kg]	Ship Lbs. [kg]	
A048YL08	3-60-575	5.8	40	.7	1.3	10	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]	
A048YL10	3-60-575	5.8	40	.7	1.3	10	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]	
A048YL13	3-60-575	5.8	40	.7	1.3	10	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	585 [265.4]	592 [268.5]	
A048YM08	3-60-575	5.8	40	.7	1.3	10	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]	
A048YM10	3-60-575	5.8	40	.7	1.3	10	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]	
A048YM13	3-60-575	5.8	40	.7	1.3	10	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	3700 [1746]	176 [4990]	580 [263.1]	587 [266.3]	
A060CL10	3-60-208/230	17.3/17.3	123	2.6	2.6	27/27	35/35	40/40	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	184 [5216]	590 [267.6]	597 [270.8]	
A060CL13	3-60-208/230	17.3/17.3	123	2.6	2.6	27/27	35/35	40/40	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	184 [5216]	597 [270.8]	604 [274.0]	
A060CM10	3-60-208/230	17.3/17.3	123	2.6	3.8	29/29	35/35	45/45	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	184 [5216]	590 [267.6]	597 [270.8]	
A060CM13	3-60-208/230	17.3/17.3	123	2.6	3.8	29/29	35/35	45/45	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	184 [5216]	590 [267.6]	597 [270.8]	
A060DL10	3-60-460	9.0	62	1.0	1.3	14	20	20	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	184 [5216]	590 [267.6]	597 [270.8]	
A060DL13	3-60-460	9.0	62	1.0	1.3	14	20	20	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	184 [5216]	597 [270.8]	604 [274.0]	
A060DM10	3-60-460	9.0	62	1.0	1.9	15	20	20	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	184 [5216]	590 [267.6]	597 [270.8]	
A060DM13	3-60-460	9.0	62	1.0	1.9	15	20	20	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	184 [5216]	590 [267.6]	597 [270.8]	
A060JL10	1-60-208/230	28.8/28.8	169	2.6	3.4	42/42	50/50	70/70	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	184 [5216]	590 [267.6]	597 [270.8]	
A060JL13	1-60-208/230	28.8/28.8	169	2.0	3.4	44/44	60/60	70/70	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	184 [5216]	597 [270.8]	604 [274.0]	
A060YL10	3-60-575	7.1	50	.9	1.3	12	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	184 [5216]	590 [267.6]	597 [270.8]	
A060YL13	3-60-575	7.1	50	.9	1.3	12	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	184 [5216]	597 [270.8]	604 [274.0]	
A060YM10	3-60-575	7.1	50	.9	1.3	12	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	184 [5216]	590 [267.6]	597 [270.8]	
A060YM13	3-60-575	7.1	50	.9	1.3	12	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	184 [5216]	590 [267.6]	597 [270.8]	

[] Designates Metric Conversions

PHYSICAL & ELECTRICAL DATA—STANDARD EFFICIENCY

Model No. UKKA-		ELECTRICAL										PHYSICAL					
		Phase Frequency (Hz) Voltage (Volts)	Compressor		Full Load Amperes (FLA)		Minimum Circuit Ampacity Amperes	Fuse or HACR Circuit Breaker		Drive Type	Filter Recommended No. and Size [mm x mm x mm]	Outdoor Coil			R22 Oz. [g]	Weight	
			Rated Load Amperes (RLA)	Locked Rotor Amperes (LRA)	Fan Motor	Blower Motor		Minimum Amperes	Maximum Amperes			Area Sq. Ft. [Sq. m]	No. Rows	CFM [L/s]		Net Lbs. [kg]	Ship Lbs. [kg]
A036CK08		3-60-208/230	12.4/12.4	88	2.0	3.0	21/21	25/25	30/30	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	72 [2041]	513 [232.7]	520 [235.9]
A036CK12		3-60-208/230	12.4/12.4	88	2.0	3.0	21/21	25/25	30/30	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	72 [2041]	522 [236.8]	529 [240.0]
A036CL08		3-60-208/230	12.4/12.4	88	2.0	2.8	21/21	25/25	30/30	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	72 [2041]	513 [232.7]	520 [235.9]
A036CL12		3-60-208/230	12.4/12.4	88	2.0	2.8	21/21	25/25	30/30	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	72 [2041]	522 [236.8]	529 [240.0]
A036CM08		3-60-208/230	12.4/12.4	88	2.0	1.4	21/21	25/25	30/30	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	72 [2041]	513 [232.7]	520 [235.9]
A036CM12		3-60-208/230	12.4/12.4	88	2.0	1.4	21/21	25/25	30/30	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	72 [2041]	513 [232.7]	520 [235.9]
A036DL08		3-60-460	6.1	44	1.0	1.4	11	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	72 [2041]	513 [232.7]	520 [235.9]
A036DL12		3-60-460	6.1	44	1.0	1.4	11	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	72 [2041]	522 [236.8]	529 [240.0]
A036DM08		3-60-460	6.1	44	1.0	1.4	11	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	72 [2041]	513 [232.7]	520 [235.9]
A036DM12		3-60-460	6.1	44	1.0	1.4	11	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	72 [2041]	513 [232.7]	520 [235.9]
A036DK08		3-60-460	6.1	44	1.0	2.0	11	15	15	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	72 [2041]	513 [232.7]	520 [235.9]
A036DK12		3-60-460	6.1	44	1.0	2.0	11	15	15	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	72 [2041]	513 [232.7]	520 [235.9]
A036JK08		1-60-208/230	18.0/18.0	104	2.0	3.0	28/28	35/35	40/40	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	72 [2041]	513 [232.7]	520 [235.9]
A036JK12		1-60-208/230	18.0/18.0	104	2.0	3.0	28/28	35/35	40/40	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	72 [2041]	522 [236.8]	529 [240.0]
A036YL08		3-60-575	4.8	35	.7	1.3	8	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	72 [2041]	513 [232.7]	520 [235.9]
A036YL12		3-60-575	4.8	35	.7	1.3	8	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	72 [2041]	522 [236.8]	529 [240.0]
A036YM08		3-60-575	4.8	35	.7	1.3	8	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	72 [2041]	513 [232.7]	520 [235.9]
A036YM12		3-60-575	4.8	35	.7	1.3	8	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	72 [2041]	513 [232.7]	520 [235.9]
A042CK08		3-60-208/230	13.5/13.5	120	2.0	3.0	22/22	30/30	35/35	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	77 [2183]	529 [240.0]	536 [243.1]
A042CK12		3-60-208/230	13.5/13.5	120	2.0	3.0	22/22	30/30	35/35	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	77 [2183]	538 [244.0]	545 [247.2]
A042CL08		3-60-208/230	13.5/13.5	120	2.0	3.0	22/22	30/30	35/35	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	77 [2183]	529 [240.0]	536 [243.1]

[] Designates Metric Conversions

PHYSICAL & ELECTRICAL DATA—STANDARD EFFICIENCY (Cont.)

Model No. UKKA-		ELECTRICAL										PHYSICAL						
		Compressor		Full Load Amperes (FLA)		Minimum Circuit Ampacity	Fuse or HACR Circuit Breaker		Drive Type	Filter No. and Size [mm x mm x mm]	Outdoor Coil			R22 Oz. [g]	Weight			
											Area Sq. Ft. [Sq. m]	No. Rows	CFM [L/s]		Net Lbs. [kg]	Ship Lbs. [kg]		
Phase Frequency (Hz) Voltage (Volts)	Rated Load Amperes (RLA)	Locked Rotor Amperes (LRA)	Fan Motor	Blower Motor														
A042CL12	3-60-208/230	13.5/13.5	120	2.0	2.8	22/22	30/30	35/35	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	77 [2183]	538 [244.0]	545 [247.2]		
A042CM08	3-60-208/230	13.5/13.5	120	2.0	2.8	22/22	30/30	35/35	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	77 [2183]	529 [240.0]	536 [243.1]		
A042CM12	3-60-208/230	13.5/13.5	120	2.0	2.8	22/22	30/30	35/35	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	77 [2183]	529 [240.0]	536 [243.1]		
A042DL08	3-60-460	7.4	49.5	1.0	1.4	12	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	77 [2183]	529 [240.0]	536 [243.1]		
A042DL12	3-60-460	7.4	49.5	1.0	1.4	12	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	77 [2183]	538 [244.0]	545 [247.2]		
A042DM08	3-60-460	7.4	49.5	1.0	1.4	12	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	77 [2183]	529 [240.0]	536 [243.1]		
A042DM12	3-60-460	7.4	49.5	1.0	1.4	12	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	77 [2183]	529 [240.0]	536 [243.1]		
A042DK08	3-60-460	7.4	49.5	1.0	2.0	13	15	15	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	77 [2183]	529 [240.0]	536 [243.1]		
A042DK12	3-60-460	7.4	49.5	1.0	2.0	13	15	15	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	77 [2183]	529 [240.0]	536 [243.1]		
A042JK08	1-60-208/230	23.7/23.7	129	2.0	3.0	35/35	45	50	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	77 [2183]	529 [240.0]	536 [243.1]		
A042JK12	1-60-208/230	23.7/23.7	129	2.0	3.0	35/35	45	50	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	77 [2183]	538 [244.0]	545 [247.2]		
A042YL08	3-60-575	5.8	40	.7	1.3	10/10	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	77 [2183]	529 [240.0]	536 [243.1]		
A042YL12	3-60-575	5.8	40	.7	1.3	10/10	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	77 [2183]	538 [244.0]	545 [247.2]		
A042YM08	3-60-575	5.8	40	.7	1.3	10	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	77 [2183]	529 [240.0]	536 [243.1]		
A042YM12	3-60-575	5.8	40	.7	1.3	10	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	11.0 [1.022]	1.00	3600 [1699]	77 [2183]	529 [240.0]	536 [243.1]		
A048CK08	3-60-208/230	13.5/13.5	120	2.0	3.0	22/22	30/30	35/35	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]		
A048CK10	3-60-208/230	13.5/13.5	120	2.0	3.0	22/22	30/30	35/35	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]		
A048CK13	3-60-208/230	13.5/13.5	120	2.0	3.0	22/22	30/30	35/35	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	578 [262.2]	585 [265.4]		
A048CL08	3-60-208/230	13.5/13.5	120	2.0	2.8	22/22	30/30	35/35	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]		
A048CL10	3-60-208/230	13.5/13.5	120	2.0	2.8	22/22	30/30	35/35	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]		
A048CL13	3-60-208/230	13.5/13.5	120	2.0	2.8	22/22	30/30	35/35	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	578 [262.2]	585 [265.4]		

[] Designates Metric Conversions

PHYSICAL & ELECTRICAL DATA—STANDARD EFFICIENCY (Cont.)

Model No. UKKA-	ELECTRICAL										PHYSICAL					
	Phase Frequency (Hz) Voltage (Volts)	Compressor		Full Load Amperes (FLA)		Minimum Circuit Amperes	Fuse or HACR Circuit Breaker		Drive Type	Filter Recommended No. and Size [mm x mm x mm]	Outdoor Coil			R22 Oz. [g]	Weight	
		Rated Load Amperes (RLA)	Locked Rotor Amperes (LRA)	Fan Motor	Blower Motor		Minimum Amperes	Maximum Amperes			Area Sq. Ft. [Sq. m]	No. Rows	CFM [L/s]		Net Lbs. [kg]	Ship Lbs. [kg]
A048CM08	3-60-208/230	13.5/13.5	120	2.0	3.4	23/23	30/30	35/35	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]
A048CM10	3-60-208/230	13.5/13.5	120	2.0	3.4	23/23	30/30	35/35	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]
A048CM13	3-60-208/230	13.5/13.5	120	2.0	3.4	23/23	30/30	35/35	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]
A048DL08	3-60-460	7.4	49.5	1.0	1.4	12	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]
A048DL10	3-60-460	7.4	49.5	1.0	1.4	12	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]
A048DL13	3-60-460	7.4	49.5	1.0	1.4	12	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	578 [262.2]	585 [265.4]
A048DM08	3-60-460	7.4	49.5	1.0	1.6	12	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]
A048DM10	3-60-460	7.4	49.5	1.0	1.6	12	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]
A048DM13	3-60-460	7.4	49.5	1.0	1.6	12	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]
A048DK08	3-60-460	7.4	49.5	1.0	2.0	13	15	15	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]
A048DK10	3-60-460	7.4	49.5	1.0	2.0	13	15	15	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]
A048DK13	3-60-460	7.4	49.5	1.0	2.0	13	15	15	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]
A048JK08	1-60-208/230	23.7/23.7	129	2.0	3.0	35/35	45/45	50/50	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]
A048JK10	1-60-208/230	23.7/23.7	129	2.0	3.0	35/35	45/45	50/50	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]
A048JK13	1-60-208/230	23.7/23.7	129	2.0	3.0	35/35	45/45	50/50	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	578 [262.2]	585 [265.4]
A048YL08	3-60-575	5.8	40	.7	1.3	10	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]
A048YL10	3-60-575	5.8	40	.7	1.3	10	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]
A048YL13	3-60-575	5.8	40	.7	1.3	10	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	578 [262.2]	585 [265.4]
A048YM08	3-60-575	5.8	40	.7	1.3	10	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]
A048YM10	3-60-575	5.8	40	.7	1.3	10	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]
A048YM13	3-60-575	5.8	40	.7	1.3	10	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.9 [1.570]	1.00	4000 [1888]	106 [3005]	573 [259.9]	580 [263.1]

PHYSICAL & ELECTRICAL DATA—STANDARD EFFICIENCY (Cont.)

PHYSICAL																
Model No. UKKA-	Phase Frequency (Hz) Voltage (Volts)	Compressor		Full Load Amperes (FLA)		Minimum Circuit Ampacity Amperes	Fuse or HACR Circuit Breaker		Drive Type	Filter Recommended No. and Size (mm x mm x mm)	Outdoor Coil			R22 Oz. [g]	Weight	
		Rated Load Amperes (RLA)	Locked Rotor Amperes (LRA)	Fan Motor	Blower Motor		Minimum Amperes	Maximum Amperes			Area Sq. Ft. [Sq. m]	No. Rows	CFM [L/s]		Net Lbs. [kg]	Ship Lbs. [kg]
		A060CK10	3-60-208/230	17.3/17.3	137	2.0	5.4	30/30	35/35	40/40	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	1.50	3700 [1746]	131 [3714]
A060CK13	3-60-208/230	17.3/17.3	137	2.0	5.4	30/30	35/35	40/40	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	1.50	3700 [1746]	131 [3714]	578 [262.2]	585 [265.4]
A060CL10	3-60-208/230	17.3/17.3	137	2.0	3.4	28/28	35/35	40/40	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	1.50	3700 [1746]	131 [3714]	573 [259.9]	580 [263.1]
A060CL13	3-60-208/230	17.3/17.3	137	2.0	3.4	28/28	35/35	40/40	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	1.50	3700 [1746]	131 [3714]	578 [262.2]	585 [265.4]
A060CM10	3-60-208/230	17.3/17.3	137	2.0	3.8	28/28	35/35	40/40	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	1.50	3700 [1746]	131 [3714]	573 [259.9]	580 [263.1]
A060CM13	3-60-208/230	17.3/17.3	137	2.0	3.8	28/28	35/35	40/40	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	1.50	3700 [1746]	131 [3714]	573 [259.9]	580 [263.1]
A060DL10	3-60-460	9.0	62	1.0	1.3	14	20	20	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	1.50	3700 [1746]	131 [3714]	573 [259.9]	580 [263.1]
A060DL13	3-60-460	9.0	62	1.0	1.3	14	20	20	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	1.50	3700 [1746]	131 [3714]	578 [262.2]	585 [265.4]
A060DM10	3-60-460	9.0	62	1.0	1.9	15	20	20	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	1.50	3700 [1746]	131 [3714]	573 [259.9]	580 [263.1]
A060DM13	3-60-460	9.0	62	1.0	1.9	15	20	20	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	1.50	3700 [1746]	131 [3714]	573 [259.9]	580 [263.1]
A060DK10	3-60-460	9.0	62	1.0	2.7	15	20	20	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	1.50	3700 [1746]	131 [3714]	573 [259.9]	580 [263.1]
A060DK13	3-60-460	9.0	62	1.0	2.7	15	20	20	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	1.50	3700 [1746]	131 [3714]	573 [259.9]	580 [263.1]
A060JK10	1-60-208/230	29.0/29.0	169	2.0	5.4	44/44	60/60	70/70	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	1.50	3700 [1746]	131 [3714]	573 [259.9]	580 [263.1]
A060JK13	1-60-208/230	29.0/29.0	169	2.0	5.4	44/44	60/60	70/70	Direct	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	1.50	3700 [1746]	131 [3714]	578 [262.2]	585 [265.4]
A060YL10	3-60-575	7.1	50	.7	1.3	11	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	1.50	3700 [1746]	131 [3714]	573 [259.9]	580 [263.1]
A060YL13	3-60-575	7.1	50	.7	1.3	11	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	1.50	3700 [1746]	131 [3714]	578 [262.2]	585 [265.4]
A060YM10	3-60-575	7.1	50	.7	1.4	11	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	1.50	3700 [1746]	131 [3714]	573 [259.9]	580 [263.1]
A060YM13	3-60-575	7.1	50	.7	1.9	11	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	1.50	3700 [1746]	131 [3714]	573 [259.9]	580 [263.1]
A072CL10	3-60-208/230	18.6/18.6	156	2.6	5.8	32/32	40/40	50/50	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]
A072CL13	3-60-208/230	18.6/18.6	156	2.6	5.8	32/32	40/40	50/50	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	614 [278.5]	621 [281.7]
A072CM10	3-60-208/230	18.6/18.6	156	2.6	5.8	32/32	40/40	50/50	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]

[] Designates Metric Conversions

PHYSICAL & ELECTRICAL DATA—STANDARD EFFICIENCY (Cont.)

Model No. UKKA-	ELECTRICAL										PHYSICAL						
	Phase Frequency (Hz) Voltage (Volts)	Compressor		Full Load Amperes (FLA)		Minimum Circuit Ampacity Amperes	Fuse or HACR Circuit Breaker		Drive Type	Filter Recommended No. and Size [mm x mm x mm]	Outdoor Coil				R22 Oz. [g]	Weight	
		Rated Load Amperes (RLA)	Locked Rotor Amperes (LRA)	Fan Motor	Blower Motor		Minimum Amperes	Maximum Amperes			Area Sq., Ft. [Sq. m]	No. Rows	CFM [L/s]	Net Lbs. [kg]		Ship Lbs. [kg]	
A072CM13	3-60-208/230	18.6/18.6	156	2.6	5.8	32/32	40/40	50/50	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]	
A072DL10	3-60-460	10.3	75	1.2	2.8	17	20	20	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]	
A072DL13	3-60-460	10.3	75	1.2	2.8	17	20	20	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	614 [278.5]	621 [281.7]	
A072DM10	3-60-460	10.3	75	1.2	2.8	17	20	20	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]	
A072DM13	3-60-460	10.3	75	1.2	2.8	17	20	20	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]	
A072YL10	3-60-575	7.4	54	.9	2.1	13	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]	
A072YL13	3-60-575	7.4	54	.9	2.1	13	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	614 [278.5]	621 [281.7]	
A072YM10	3-60-575	7.4	54	.9	2.1	13	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]	
A072YM13	3-60-575	7.4	54	.9	2.1	13	15	15	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]	

[] Designates Metric Conversions

PHYSICAL & ELECTRICAL DATA—STANDARD EFFICIENCY (Cont.)

PHYSICAL																	
Model No. UKKA-	Phase Frequency (Hz) Voltage (Volts)	Compressor		Full Load Amperes (FLA)		Minimum Circuit Ampacity Amperes	Fuse or HACR Circuit Breaker		Drive Type	Filter Recommended No. and Size [mm x mm x mm]	Outdoor Coil				R22 Oz. (g)	Weight	
		Rated Load Amperes (RLA)	Locked Rotor Amperes (LRA)	Fan Motor	Blower Motor		Minimum Amperes	Maximum Amperes			Area Sq. Ft. [Sq. m]	No. Rows	CFM [L/s]	Net Lbs. [kg]		Ship Lbs. [kg]	
A073CL10	3-60-208/230	21.9/21.9	156	2.6	5.8	37/37	40/40	50/50	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]	
A073CL13	3-60-208/230	21.9/21.9	156	2.6	5.8	37/37	40/40	50/50	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]	
A073CM10	3-60-208/230	21.9/21.9	156	2.6	5.8	37/37	40/40	50/50	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]	
A073CM13	3-60-208/230	21.9/21.9	156	2.6	5.8	37/37	40/40	50/50	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]	
A073DL10	3-60-460	10.9	75	1.2	2.8	19	20	25	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]	
A073DL13	3-60-460	10.9	75	1.2	2.8	19	20	25	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]	
A073DM10	3-60-460	10.9	75	1.2	2.8	19	20	25	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]	
A073DM13	3-60-460	10.9	75	1.2	2.8	19	20	25	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]	
A073YL10	3-60-575	8.9	54	.9	2.1	15	15	20	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]	
A073YL13	3-60-575	8.9	54	.9	2.1	15	15	20	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]	
A073YM10	3-60-575	8.9	54	.9	2.1	15	15	20	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]	
A073YM13	3-60-575	8.9	54	.9	2.1	15	15	20	Belt	(2) 1 x 16 x 25 [25 x 406 x 635]	16.6 [1.542]	2.00	4000 [1888]	176 [4990]	608 [275.8]	615 [279.0]	
A085CL13	3-60-208/230	13.2/13.2	88	2.6	5.8	39/39	40/40	50/50	Belt	(4) 2 x 16 x 16 [51 x 406 x 406]	16.6 [1.542]	2.00	4000 [1888]	192 [5443]	690 [313.0]	699 [317.1]	
A085CM13	3-60-208/230	13.2/13.2	88	2.6	5.8	39/39	40/40	50/50	Belt	(4) 2 x 16 x 16 [51 x 406 x 406]	16.6 [1.542]	2.00	4000 [1888]	192 [5443]	690 [313.0]	699 [317.1]	
A085DL13	3-60-460	7.2	44	1.0	1.3	20	20	25	Belt	(4) 2 x 16 x 16 [51 x 406 x 406]	16.6 [1.542]	2.00	4000 [1888]	192 [5443]	690 [313.0]	699 [317.1]	
A085DM13	3-60-460	7.2	44	1.0	1.3	20	20	25	Belt	(4) 2 x 16 x 16 [51 x 406 x 406]	16.6 [1.542]	2.00	4000 [1888]	192 [5443]	690 [313.0]	699 [317.1]	
A085YL13	3-60-575	5.6	34	.9	2.1	16	15	20	Belt	(4) 2 x 16 x 16 [51 x 406 x 406]	16.6 [1.542]	2.00	4000 [1888]	192 [5443]	690 [313.0]	699 [317.1]	
A085YM13	3-60-575	5.6	34	.9	2.1	16	15	20	Belt	(4) 2 x 16 x 16 [51 x 406 x 406]	16.6 [1.542]	2.00	4000 [1888]	192 [5443]	690 [313.0]	699 [317.1]	

[] Designates Metric Conversions

AIRFLOW PERFORMANCE DATA—DIRECT DRIVE

Capacity	3 Ton [10.55 kW]—10 & 12 SEER—80,000 BTU/HR [23.45 kW] Heating Input (1/2 HP [373 W])																							
Operation	Heating												Cooling											
Voltage	208						230						208						230					
Motor Speed	Low		Med.		High		Low		Med.		High		Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	1210 [571]	450	—	—	—	—	1400 [661]	470	—	—	—	—	1210 [571]	405	—	—	—	—	1400 [661]	470	—	—	—	—
.20 E.S.P. [.050 kPa]	1193 [563]	400	—	—	—	—	1375 [649]	460	—	—	—	—	1195 [564]	400	—	—	—	—	1375 [649]	460	—	—	—	—
.30 E.S.P. [.075 kPa]	1175 [555]	395	—	—	—	—	1360 [642]	455	—	—	—	—	1175 [555]	395	—	—	—	—	1360 [642]	455	—	—	—	—
.40 E.S.P. [.10 kPa]	1155 [545]	385	—	—	—	—	1335 [630]	450	—	—	—	—	1155 [545]	385	—	—	—	—	1335 [630]	450	—	—	—	—
.50 E.S.P. [.12 kPa]	1125 [531]	380	—	—	—	—	1305 [616]	440	—	—	—	—	1125 [531]	380	—	—	—	—	1305 [616]	440	—	—	—	—
.60 E.S.P. [.15 kPa]	1075 [507]	375	1350 [637]	475	—	—	1255 [592]	435	—	—	—	—	1075 [507]	375	1350 [637]	475	—	—	1255 [592]	435	—	—	—	—
.70 E.S.P. [.17 kPa]	1015 [479]	370	1275 [602]	460	—	—	1210 [571]	425	1350 [637]	505	—	—	1015 [479]	370	1275 [602]	460	—	—	1210 [571]	425	1350 [637]	505	—	—
.80 E.S.P. [.20 kPa]	925 [437]	360	1180 [557]	445	1280 [604]	515	1100 [519]	410	1230 [580]	475	1375 [649]	555	925 [437]	360	1180 [557]	445	1280 [604]	515	1100 [519]	410	1230 [580]	475	1375 [649]	555

Capacity	3 Ton [10.55 kW]—10 & 12 SEER—120,000 BTU/HR [35.17 kW] Heating Input (1/2 HP [373 W])																							
Operation	Heating												Cooling											
Voltage	208						230						208						230					
Motor Speed	Low		Med.		High		Low		Med.		High		Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	1210 [571]	405	1515 [715]	525	1680 [793]	650	1400 [661]	470	1685 [795]	635	1870 [883]	780	1210 [571]	405	—	—	—	—	1400 [661]	470	—	—	—	—
.20 E.S.P. [.050 kPa]	1195 [564]	400	1500 [708]	515	1650 [779]	640	1375 [649]	460	1620 [765]	600	1830 [864]	760	1195 [564]	400	—	—	—	—	1375 [649]	460	—	—	—	—
.30 E.S.P. [.075 kPa]	1175 [555]	375	—	—	1625 [767]	630	—	—	1580 [746]	580	1790 [845]	740	1175 [555]	395	—	—	—	—	1360 [642]	455	—	—	—	—
.40 E.S.P. [.10 kPa]	—	—	—	—	1580 [746]	610	—	—	—	—	1730 [816]	700	1155 [545]	385	1475 [696]	505	—	—	1335 [630]	450	—	—	—	—
.50 E.S.P. [.12 kPa]	—	—	—	—	1530 [722]	580	—	—	—	—	1660 [783]	660	1125 [531]	380	1405 [663]	490	—	—	1305 [616]	440	1500 [708]	—	—	—
.60 E.S.P. [.15 kPa]	—	—	—	—	1460 [689]	560	—	—	—	—	1580 [746]	635	1075 [507]	375	1350 [637]	475	1460 [689]	560	1255 [592]	435	1430 [675]	535	—	—
.70 E.S.P. [.17 kPa]	—	—	—	—	1390 [656]	545	—	—	—	—	1500 [708]	600	1015 [479]	370	1275 [602]	460	1398 [656]	545	1210 [571]	425	1350 [637]	545	1500 [708]	603
.80 E.S.P. [.20 kPa]	—	—	—	—	1280 [604]	515	—	—	—	—	1375 [649]	555	925 [437]	360	1180 [557]	445	1280 [604]	515	1100 [519]	410	1230 [580]	475	1375 [649]	555

Capacity	3 Ton [10.55 kW]—10 & 12 SEER—80,000/120,000 BTU/HR [23.45/35.17 kW] Heating Input (1/2 HP [373 W])												Cooling											
Operation	Heating						Cooling						Cooling						Cooling					
Voltage	460						460						460						460					
Motor Speed	Low		Med.		High		Low		Med.		High		Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	1400 [661]	470	—	—	—	—	1400 [661]	470	—	—	—	—	1400 [661]	470	—	—	—	—	1400 [661]	470	—	—	—	—
.20 E.S.P. [.050 kPa]	1375 [649]	460	—	—	—	—	1375 [649]	460	—	—	—	—	1375 [649]	460	—	—	—	—	1375 [649]	460	—	—	—	—
.30 E.S.P. [.075 kPa]	1360 [642]	455	—	—	—	—	1360 [642]	455	—	—	—	—	1360 [642]	455	—	—	—	—	1360 [642]	455	—	—	—	—
.40 E.S.P. [.10 kPa]	1335 [630]	450	—	—	—	—	1335 [630]	450	—	—	—	—	1335 [630]	450	—	—	—	—	1335 [630]	450	—	—	—	—
.50 E.S.P. [.12 kPa]	1305 [616]	440	—	—	—	—	1305 [616]	440	—	—	—	—	1305 [616]	440	—	—	—	—	1305 [616]	440	—	—	—	—
.60 E.S.P. [.15 kPa]	1255 [592]	435	—	—	—	—	1255 [592]	435	—	—	—	—	1255 [592]	435	—	—	—	—	1255 [592]	435	—	—	—	—
.70 E.S.P. [.17 kPa]	1210 [571]	425	—	—	—	—	1210 [571]	425	—	—	—	—	1210 [571]	425	—	—	—	—	1210 [571]	425	—	—	—	—
.80 E.S.P. [.20 kPa]	1100 [519]	410	—	—	—	—	1100 [519]	410	—	—	—	—	1100 [519]	410	—	—	—	—	1100 [519]	410	—	—	—	—

NOTES: 1. Data shown is with dry coil conditions. See wet coil pressure drop. 2. Data includes 1" filters. [] Designates Metric Conversions
460 volt direct drive does not allow for operation at separate speeds for heating and cooling. Any speed change must be made at the motor terminals and will be reflected in both heating and cooling operation.

AIRFLOW PERFORMANCE DATA—DIRECT DRIVE (Cont.)

Capacity	3 1/2 Ton [12.31 kW]—10 & 12 SEER—80,000 BTU/HR [23.45 kW] Heating Input (1/2 HP [373 W])																							
Operation	Heating												Cooling											
Voltage	208						230						208						230					
Motor Speed	Low		Med.		High		Low		Med.		High		Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	1210 [571]	405	—	—	—	—	1400 [661]	470	—	—	—	—	1210 [571]	405	1515 [715]	525	—	—	1400 [661]	470	1685 [782]	635	—	—
.20 E.S.P. [.050 kPa]	1193 [563]	400	—	—	—	—	1375 [649]	460	—	—	—	—	1195 [564]	400	1500 [708]	515	—	—	1375 [649]	460	1620 [765]	600	—	—
.30 E.S.P. [.075 kPa]	1175 [555]	395	—	—	—	—	1360 [642]	455	—	—	—	—	—	—	1475 [696]	505	—	—	1360 [642]	455	1580 [746]	580	—	—
.40 E.S.P. [.10 kPa]	1155 [545]	385	—	—	—	—	1335 [639]	450	—	—	—	—	—	—	1450 [684]	500	1580 [746]	610	—	—	1550 [732]	570	1720 [812]	—
.50 E.S.P. [.12 kPa]	1125 [531]	380	—	—	—	—	1305 [616]	440	—	—	—	—	—	—	1405 [663]	490	1530 [722]	580	—	—	1500 [708]	550	1660 [783]	660
.60 E.S.P. [.15 kPa]	1075 [507]	375	1350 [637]	475	—	—	1255 [592]	435	—	—	—	—	—	—	1350 [637]	475	1460 [689]	560	—	—	1430 [675]	535	1580 [746]	635
.70 E.S.P. [.17 kPa]	1015 [479]	370	1275 [602]	460	1390 [656]	545	1210 [571]	425	1350 [637]	505	—	—	—	—	1275 [602]	460	1390 [656]	545	—	—	1350 [637]	505	1500 [708]	600
.80 E.S.P. [.20 kPa]	925 [437]	360	1180 [557]	445	1280 [604]	515	1100 [519]	410	1230 [580]	475	1375 [649]	555	—	—	1180 [557]	445	1280 [604]	515	—	—	1230 [580]	475	1375 [649]	555

Capacity	3 1/2 Ton [12.31 kW]—10 & 12 SEER—120,000 BTU/HR [35.17 kW] Heating Input (1/2 HP [373 W])																							
Operation	Heating												Cooling											
Voltage	208						230						208						230					
Motor Speed	Low		Med.		High		Low		Med.		High		Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	1210 [571]	405	1515 [715]	525	1680 [793]	650	1400 [661]	470	1685 [795]	635	1870 [883]	780	1210 [571]	405	1515 [715]	525	1680 [793]	650	1400 [661]	470	1685 [795]	635	—	—
.20 E.S.P. [.050 kPa]	1125 [574]	400	1500 [708]	515	1650 [779]	640	1375 [649]	460	1620 [765]	600	1830 [864]	760	1195 [564]	400	1500 [708]	515	1630 [769]	640	1375 [649]	460	1620 [765]	600	—	—
.30 E.S.P. [.075 kPa]	1125 [555]	395	1475 [696]	505	1625 [767]	630	1360 [642]	455	1580 [746]	580	1790 [845]	740	1175 [555]	395	1475 [696]	505	1625 [767]	630	1360 [642]	455	1580 [746]	580	—	—
.40 E.S.P. [.10 kPa]	1155 [545]	385	1450 [684]	500	1580 [746]	610	—	—	1550 [732]	570	1730 [816]	700	—	—	1450 [684]	500	1580 [746]	610	—	—	1550 [732]	570	1730 [816]	700
.50 E.S.P. [.12 kPa]	—	—	1405 [663]	490	1530 [722]	580	—	—	—	—	1660 [783]	660	—	—	1405 [663]	490	1530 [722]	580	—	—	1500 [708]	550	1580 [783]	660
.60 E.S.P. [.15 kPa]	—	—	—	—	1460 [689]	560	—	—	—	—	1580 [746]	635	—	—	1350 [637]	475	1460 [689]	560	—	—	1430 [675]	535	1580 [746]	635
.70 E.S.P. [.17 kPa]	—	—	—	—	1390 [656]	545	—	—	—	—	1500 [708]	600	—	—	1275 [602]	460	1390 [656]	545	—	—	1350 [637]	505	1500 [708]	600
.80 E.S.P. [.20 kPa]	—	—	—	—	1280 [604]	515	—	—	—	—	1375 [649]	555	—	—	1180 [557]	445	1280 [604]	515	—	—	1230 [580]	475	1375 [649]	555

Capacity	3 1/2 Ton [12.31 kW]—10 & 12 SEER—80,000/120,000 BTU/HR [23.45/35.17 kW] Heating Input (1/2 HP [373 W])												Cooling											
Operation	Heating						Cooling						460						460					
Voltage	460						460						460						460					
Motor Speed	Low		Med.		High		Low		Med.		High		Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	—	—	—	—	1685 [795]	635	—	—	—	—	—	—	—	—	—	—	1685 [795]	635	—	—	—	—	—	—
.20 E.S.P. [.050 kPa]	—	—	—	—	1620 [765]	600	—	—	—	—	—	—	—	—	—	—	1620 [765]	600	—	—	—	—	—	—
.30 E.S.P. [.075 kPa]	—	—	—	—	1580 [746]	580	—	—	—	—	—	—	—	—	—	—	1580 [746]	580	—	—	—	—	—	—
.40 E.S.P. [.10 kPa]	—	—	—	—	1550 [732]	570	—	—	—	—	—	—	—	—	—	—	1550 [732]	570	—	—	—	—	—	—
.50 E.S.P. [.12 kPa]	—	—	—	—	1500 [708]	550	—	—	—	—	—	—	—	—	—	—	1500 [708]	550	—	—	—	—	—	—
.60 E.S.P. [.15 kPa]	—	—	—	—	1430 [675]	535	—	—	—	—	—	—	—	—	—	—	1430 [675]	535	—	—	—	—	—	—
.70 E.S.P. [.17 kPa]	—	—	—	—	1350 [637]	505	—	—	—	—	—	—	—	—	—	—	1350 [637]	505	—	—	—	—	—	—
.80 E.S.P. [.20 kPa]	—	—	—	—	1230 [580]	475	—	—	—	—	—	—	—	—	—	—	1230 [580]	475	—	—	—	—	—	—

NOTES: 1. Data shown is with dry coil conditions. See wet coil pressure drop. 2. Data includes 1" filters.
460 volt direct drive does not allow for operation at separate speeds for heating and cooling. Any speed change must be made at the motor terminals and will be reflected in both heating and cooling operation.

[] Designates Metric Conversions

AIRFLOW PERFORMANCE DATA—DIRECT DRIVE (Cont.)

Capacity	4 Ton [14.07 kW]—10 & 12 SEER—100,000 BTU/HR [29.31 kW] Heating Input (1/2 HP [373 W])																							
Operation	Heating												Cooling											
Voltage	208						230						208						230					
Motor Speed	Low		Med.		High		Low		Med.		High		Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	1210 [571]	405	1515 [715]	525	—	—	1400 [661]	470	1685 [795]	635	—	—	—	—	1515 [715]	525	1680 [793]	650	1400 [661]	490	1685 [795]	635	1870 [883]	780
.20 E.S.P. [.050 kPa]	—	—	1500 [708]	515	—	—	1375 [649]	460	1620 [765]	600	—	—	—	—	1500 [708]	515	1650 [779]	640	—	—	1620 [765]	600	1830 [864]	760
.30 E.S.P. [.075 kPa]	—	—	1475 [696]	505	—	—	1360 [642]	455	1580 [746]	580	—	—	—	—	1475 [696]	505	1625 [767]	630	—	—	1580 [746]	580	1790 [845]	740
.40 E.S.P. [.10 kPa]	—	—	1450 [684]	500	—	—	—	—	1550 [732]	570	—	—	—	—	1450 [684]	500	1580 [746]	610	—	—	1550 [732]	570	1730 [816]	700
.50 E.S.P. [.12 kPa]	—	—	1405 [663]	490	—	—	—	—	1500 [708]	550	—	—	—	—	—	—	1530 [722]	580	—	—	—	—	1660 [783]	660
.60 E.S.P. [.15 kPa]	—	—	1350 [637]	475	1460 [689]	560	—	—	1430 [675]	535	1380 [651]	635	—	—	—	—	1460 [689]	560	—	—	—	—	1580 [746]	635
.70 E.S.P. [.17 kPa]	—	—	1275 [602]	460	1390 [656]	545	—	—	1350 [637]	505	1500 [708]	600	—	—	—	—	1390 [656]	545	—	—	—	—	1500 [708]	600
.80 E.S.P. [.20 kPa]	—	—	1180 [557]	445	1280 [604]	515	—	—	1230 [580]	475	1375 [649]	555	—	—	—	—	1280 [604]	515	—	—	—	—	1375 [649]	555

Capacity	4 Ton [14.07 kW]—10 & 12 SEER—135,000 BTU/HR [39.56 kW] Heating Input (1/2 HP [373 W])																							
Operation	Heating												Cooling											
Voltage	208						230						208						230					
Motor Speed	Low		Med.		High		Low		Med.		High		Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	—	—	1515 [715]	525	1680 [793]	650	1400 [661]	470	1685 [795]	635	1870 [883]	780	1210 [571]	405	1515 [715]	525	1680 [793]	650	1400 [661]	470	1685 [795]	635	1870 [883]	780
.20 E.S.P. [.050 kPa]	—	—	1500 [708]	515	1650 [779]	640	—	—	1620 [765]	600	1830 [864]	760	—	—	1500 [708]	515	1630 [769]	640	1375 [649]	460	1620 [765]	600	1830 [864]	760
.30 E.S.P. [.075 kPa]	—	—	—	—	1625 [767]	630	—	—	1580 [746]	580	1790 [845]	740	—	—	1475 [696]	505	1625 [767]	630	—	—	1580 [746]	580	1790 [845]	740
.40 E.S.P. [.10 kPa]	—	—	—	—	1580 [746]	610	—	—	1550 [732]	570	1730 [816]	700	—	—	1450 [684]	500	1580 [746]	610	—	—	1550 [732]	570	1730 [816]	700
.50 E.S.P. [.12 kPa]	—	—	—	—	1530 [722]	580	—	—	—	—	1660 [783]	660	—	—	—	—	1530 [722]	580	—	—	—	—	1660 [783]	660
.60 E.S.P. [.15 kPa]	—	—	—	—	1460 [689]	560	—	—	—	—	1580 [746]	635	—	—	—	—	1460 [689]	560	—	—	—	—	1580 [746]	635
.70 E.S.P. [.17 kPa]	—	—	—	—	1390 [656]	545	—	—	—	—	1500 [708]	600	—	—	—	—	1390 [656]	545	—	—	—	—	1500 [708]	600
.80 E.S.P. [.20 kPa]	—	—	—	—	1280 [604]	515	—	—	—	—	1375 [649]	555	—	—	—	—	1280 [604]	515	—	—	—	—	1375 [649]	555

Capacity	4 Ton [14.07 kW]—10 & 12 SEER—100,000/135,000 BTU/HR [29.31/39.56 kW] Heating Input (1/2 HP [373 W])												Cooling											
Operation	Heating												Cooling											
Voltage	460												460											
Motor Speed	Low				Med.				High				Low				Med.				High			
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	—	—	—	—	—	—	—	—	1870 [883]	780	—	—	—	—	—	—	—	—	—	—	1870 [883]	780	—	—
.20 E.S.P. [.050 kPa]	—	—	—	—	—	—	—	—	1830 [864]	760	—	—	—	—	—	—	—	—	—	—	1830 [864]	760	—	—
.30 E.S.P. [.075 kPa]	—	—	—	—	—	—	—	—	1790 [845]	740	—	—	—	—	—	—	—	—	—	—	1790 [845]	740	—	—
.40 E.S.P. [.10 kPa]	—	—	—	—	—	—	—	—	1730 [816]	700	—	—	—	—	—	—	—	—	—	—	1730 [816]	700	—	—
.50 E.S.P. [.12 kPa]	—	—	—	—	—	—	—	—	1660 [783]	660	—	—	—	—	—	—	—	—	—	—	1660 [783]	660	—	—
.60 E.S.P. [.15 kPa]	—	—	—	—	—	—	—	—	1580 [746]	635	—	—	—	—	—	—	—	—	—	—	1580 [746]	635	—	—
.70 E.S.P. [.17 kPa]	—	—	—	—	—	—	—	—	1500 [708]	600	—	—	—	—	—	—	—	—	—	—	1500 [708]	600	—	—
.80 E.S.P. [.20 kPa]	—	—	—	—	—	—	—	—	1375 [649]	555	—	—	—	—	—	—	—	—	—	—	1375 [649]	555	—	—

NOTES: 1. Data shown is with dry coil conditions. See wet coil pressure drop. 2. Data includes 1" filters.
460 volt direct drive does not allow for operation at separate speeds for heating and cooling. Any speed change must be made at the motor terminals and will be reflected in both heating and cooling operation.

[] Designates Metric Conversions

AIRFLOW PERFORMANCE DATA—DIRECT DRIVE (Cont.)

Capacity	5 Ton [17.58 kW]—10 SEER—100,000 BTU/HR [29.31 kW] Heating Input (3/4 HP [559 W])																							
Operation	Heating												Cooling											
Voltage	208						230						208						230					
Motor Speed	Low		Med.		High		Low		Med.		High		Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	1450 [684]	605	—	—	—	—	1690 [798]	750	—	—	—	—	—	—	2050 [967]	830	2180 [1029]	970	—	—	2175 [1026]	980	2400 [1133]	1080
.20 E.S.P. [.050 kPa]	1425 [673]	590	—	—	—	—	1660 [783]	740	—	—	—	—	—	—	1960 [925]	790	2150 [1015]	940	—	—	2125 [1003]	920	2380 [1123]	1070
.30 E.S.P. [.075 kPa]	1405 [663]	580	—	—	—	—	1615 [762]	730	—	—	—	—	—	—	1890 [892]	760	2060 [972]	905	—	—	2040 [963]	880	2260 [1067]	1030
.40 E.S.P. [.10 kPa]	1375 [649]	570	—	—	—	—	1570 [741]	710	—	—	—	—	—	—	1800 [850]	730	1950 [920]	860	—	—	1930 [911]	860	2180 [1029]	980
.50 E.S.P. [.12 kPa]	1335 [630]	560	—	—	—	—	1310 [618]	680	—	—	—	—	—	—	—	—	1830 [864]	820	—	—	1825 [861]	825	2100 [991]	960
.60 E.S.P. [.15 kPa]	1300 [614]	550	—	—	—	—	1440 [680]	660	—	—	—	—	—	—	—	—	1680 [793]	770	—	—	—	—	2000 [944]	930
.70 E.S.P. [.17 kPa]	1260 [595]	540	—	—	1450 [684]	705	1375 [649]	645	—	—	—	—	—	—	—	—	1450 [684]	705	—	—	—	—	1900 [897]	880
.80 E.S.P. [.20 kPa]	1220 [576]	530	—	—	1340 [632]	670	1310 [618]	625	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1600 [755]	820

Capacity	5 Ton [17.58 kW]—10 SEER—135,000 BTU/HR [39.56 kW] Heating Input (3/4 HP [559 W])																							
Operation	Heating												Cooling											
Voltage	208						230						208						230					
Motor Speed	Low		Med.		High		Low		Med.		High		Low		Med.		High		Low		Med.		High	
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	—	—	2050 [967]	830	2180 [1029]	970	—	—	2175 [1026]	980	2400 [1133]	1080	—	—	—	—	2180 [1029]	970	—	—	2175 [1026]	980	2400 [1133]	1080
.20 E.S.P. [.050 kPa]	—	—	1960 [925]	790	2150 [1015]	940	—	—	2123 [1002]	920	2380 [1123]	1070	—	—	—	—	2150 [1015]	940	—	—	2125 [1003]	920	2380 [1123]	1070
.30 E.S.P. [.075 kPa]	—	—	1860 [878]	760	2060 [972]	905	—	—	2040 [963]	880	2260 [1067]	1030	—	—	—	—	2060 [972]	905	—	—	2040 [963]	880	2260 [1067]	1030
.40 E.S.P. [.10 kPa]	—	—	1800 [730]	730	1960 [925]	860	—	—	1950 [920]	860	2180 [1029]	980	—	—	—	—	1960 [925]	860	—	—	1930 [911]	860	2180 [1029]	980
.50 E.S.P. [.12 kPa]	—	—	—	—	1830 [864]	820	—	—	1825 [861]	825	2100 [991]	960	—	—	—	—	1830 [864]	820	—	—	1825 [861]	825	2100 [991]	960
.60 E.S.P. [.15 kPa]	—	—	—	—	1680 [793]	770	—	—	—	—	2000 [944]	930	—	—	—	—	1680 [793]	770	—	—	—	—	2000 [944]	930
.70 E.S.P. [.17 kPa]	—	—	—	—	1450 [684]	705	—	—	—	—	1900 [897]	880	—	—	—	—	1450 [684]	705	—	—	—	—	1900 [897]	880
.80 E.S.P. [.20 kPa]	—	—	—	—	—	—	—	—	—	—	1600 [755]	820	—	—	—	—	—	—	—	—	—	—	1600 [755]	820

Capacity	5 Ton [17.58 kW]—10 SEER—100,000/135,000 BTU/HR [29.31/39.56 kW] Heating Input (3/4 HP [559 W])												Cooling											
Operation	Heating												Cooling											
Voltage	460												460											
Motor Speed	Low				Med.				High				Low				Med.				High			
CFM [L/s] Watts	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W	CFM [L/s]	W
.10 E.S.P. [.025 kPa]	—	—	—	—	—	—	—	—	2400 [1133]	1080	—	—	—	—	—	—	—	—	—	—	2400 [1133]	1080	—	—
.20 E.S.P. [.050 kPa]	—	—	—	—	—	—	—	—	2380 [1123]	1070	—	—	—	—	—	—	—	—	—	—	2380 [1123]	1070	—	—
.30 E.S.P. [.075 kPa]	—	—	—	—	—	—	—	—	2260 [1067]	1030	—	—	—	—	—	—	—	—	—	—	2260 [1067]	1030	—	—
.40 E.S.P. [.10 kPa]	—	—	—	—	—	—	—	—	2180 [1029]	980	—	—	—	—	—	—	—	—	—	—	2180 [1029]	980	—	—
.50 E.S.P. [.12 kPa]	—	—	—	—	—	—	—	—	2100 [991]	960	—	—	—	—	—	—	—	—	—	—	2100 [991]	960	—	—
.60 E.S.P. [.15 kPa]	—	—	—	—	—	—	—	—	2000 [944]	930	—	—	—	—	—	—	—	—	—	—	2000 [944]	930	—	—
.70 E.S.P. [.17 kPa]	—	—	—	—	—	—	—	—	1900 [897]	880	—	—	—	—	—	—	—	—	—	—	1900 [897]	880	—	—
.80 E.S.P. [.20 kPa]	—	—	—	—	—	—	—	—	1600 [755]	820	—	—	—	—	—	—	—	—	—	—	1600 [755]	820	—	—

NOTES: 1. Data shown is with dry coil conditions. See wet coil pressure drop. 2. Data includes 1" filters.
460 volt direct drive does not allow for operation at separate speeds for heating and cooling. Any speed change must be made at the motor terminals and will be reflected in both heating and cooling operation.

[] Designates Metric Conversions

AIRFLOW PERFORMANCE—3 TON [10.55 kW] GAS HEAT MODELS BELT DRIVE

Air Flow CFM [L/s]	Capacity 3 Ton (10.55 kW)—10 & 12 SEER		External Static Pressure—Inches of Water [kPa]																													
	Voltage 208/230-460 & 575—3 Phase		0.1 [.02]		0.2 [.05]		0.3 [.07]		0.4 [.10]		0.5 [.12]		0.6 [.15]		0.7 [.17]		0.8 [.20]		0.9 [.22]		1.0 [.25]		1.1 [.27]		1.2 [.30]		1.3 [.32]		1.4 [.35]		1.5 [.37]	
	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W
900 [425]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000 [472]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1100 [519]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1200 [566]	605	250	655	270	720	305	775	340	835	370	900	415	955	475	1005	495	1045	540	1095	580	1130	605	1180	655	1210	690	1245	730	1290	780	1330	825
1300 [614]	620	275	675	300	750	340	805	375	855	400	920	455	970	505	1025	530	1060	575	1115	610	1155	630	1195	680	1220	730	1255	780	1300	825	1330	840
1400 [661]	640	305	710	340	775	375	825	395	880	440	940	480	990	520	1035	560	1080	590	1125	650	1170	705	1215	775	1230	810	1270	840	1320	880	1330	940
1500 [708]	680	340	745	370	800	405	845	425	910	490	955	535	1005	565	1050	615	1090	660	1135	700	1185	760	1225	820	1240	850	1290	905	1330	940	1330	940

NOTE: Bold lines separate L, M and N drives respectively.

Drive Package	L						M							
Motor H.P. [W]	1/2 [373]						1/2 [373]							
Blower Sheave	6.9" Pitch Diameter						6.4" Pitch Diameter							
Motor Sheave	2.4"-3.4" Pitch Diameter						3.4"-4.4" Pitch Diameter							
Turns Open	0	1	2	3	4	5	6	0	1	2	3	4	5	6
RPM	920	855	800	750	705	665	605	1230	1180	1130	1090	1045	1000	940

NOTE: Factory sheave settings are shown in bold print.

COMPONENT AIR RESISTANCE

Component	Standard Indoor Airflow—CFM [L/s]											
	1000 [472]	1200 [566]	1400 [661]	1600 [755]	1800 [850]	2000 [944]	2200 [1038]	2400 [1133]	2600 [1227]	2800 [1321]	3000 [1415]	3200 [1509]
	Resistance—Inches Water [kPa]											
Wet Coil	.035	.040	.060	.070	.085	.100	.110	.120	.125	.130	.135	.140
Downflow	.055	.060	.066	.072	.080	.086	.093	.100	.107	.115	.120	.125
R.S.I. Economizer	.05	.06	.07	.08	.09	.10	.11	.12	.13	.15	.16	.17
R.A. Damper	.05	.06	.07	.08	.09	.10	.11	.12	.13	.15	.16	.17

NOTES:

- Performance shown with dry coil & standard 1" [25.4 mm] filters
- Standard CFM @ .075 lbs./cu. ft.
- Motor efficiency = 80% on 208/230, 460, 575 V, 3-Phase
Motor efficiency = 50% on 208/230 V, 1-Phase
- BHP = $\frac{\text{Watts} \times \text{Motor Eff.}}{746}$
- Add component resistance to duct static to determine total E.S.P.

[] Designates Metric Conversions

AIRFLOW PERFORMANCE—3.5 TON [12.31 kW] BELT DRIVE

Air Flow CFM [L/s]	Capacity 3.5 Ton [12.31 kW]—10 & 12 SEER Voltage 208/230-460 & 575—3 Phase																			
	External Static Pressure—Inches of Water [kPa]																			
	0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]	1.1 [.27]	1.2 [.30]	1.3 [.32]	1.4 [.35]	1.5 [.37]					
RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W					
1000 [425]	—	—	—	735	305	790	325	850	360	895	420	945	450	995	480					
1100 [519]	—	—	—	750	320	810	355	870	380	915	400	965	415	1010	450					
1200 [566]	—	—	725	335	770	350	835	380	885	410	935	440	985	450	1030					
1300 [614]	—	—	745	360	800	395	860	415	905	445	955	465	1005	510	1050					
1400 [661]	—	725	375	765	395	830	420	880	460	925	490	985	510	1015	560					
1500 [708]	—	740	410	795	440	855	460	905	495	950	540	1000	590	1030	610					
1600 [755]	725	410	765	445	820	470	875	510	925	540	975	570	1015	640	1055					
1700 [802]	740	460	795	495	850	520	900	550	995	600	1000	650	1075	740	1125					
1800 [850]	770	500	825	535	875	570	925	605	980	650	1010	710	1045	750	1100					

NOTE: Bold lines separate L, M and N drives respectively.

Drive Package	L										M									
Motor H.P. [W]	1/2 [373]										1/2 [373]									
Blower Sheave	6.9" Pitch Diameter										6.4" Pitch Diameter									
Motor Sheave	2.8"-3.8" Pitch Diameter										4.0"-5.0" Pitch Diameter									
Turns Open	0	1	2	3	4	5	6	0	1	2	3	4	5	6						
RPM	958	945	905	865	820	770	725	1225	1185	1145	1100	1060	1020	1000						

NOTE: Factory sheave settings are shown in bold print.

AIRFLOW PERFORMANCE—4 TON [14.07 kW] BELT DRIVE

Air Flow CFM [L/s]	Capacity 4 Ton [14.07 kW]—10 & 12 SEER Voltage 208/230-460 & 575—3 Phase																			
	External Static Pressure—Inches of Water [kPa]																			
	0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]	1.1 [.27]	1.2 [.30]	1.3 [.32]	1.4 [.35]	1.5 [.37]					
RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W					
1200 [566]	—	—	—	780	360	835	390	885	410	935	440	975	475	1015	505					
1300 [614]	—	—	—	805	390	855	410	910	450	950	470	990	510	1030	545					
1400 [661]	—	—	770	385	825	425	870	445	480	960	510	1010	550	1050	600					
1500 [708]	—	—	790	425	850	475	900	490	530	960	560	1005	605	1045	640					
1600 [755]	—	775	425	815	455	870	495	920	530	960	560	1005	605	1045	640					
1700 [802]	—	795	470	850	505	900	540	940	560	980	605	1025	655	1075	715					
1800 [850]	775	470	820	515	875	555	930	600	625	1010	660	1100	760	1150	800					
1900 [897]	800	525	855	560	910	610	955	650	700	1035	755	1075	800	1130	840					
2000 [944]	830	595	885	640	940	670	970	710	1020	790	1065	840	1115	860	1160					

NOTE: L-Drive left of bold line, M-Drive right of bold line.

Drive Package	L										M									
Motor H.P. [W]	1/2 [373]										3/4 [559]									
Blower Sheave	6.4" Pitch Diameter										5.7" Pitch Diameter									
Motor Sheave	2.8"-3.8" Pitch Diameter										3.4"-4.4" Pitch Diameter									
Turns Open	0	1	2	3	4	5	6	0	1	2	3	4	5	6						
RPM	1060	1000	955	910	865	825	770	1385	1330	1280	1225	1175	1120	1060						

NOTE: Factory sheave settings are shown in bold print.

N Drive (Field Supplied)
Blower Sheave—6.4 Pitch Diameter
Motor Sheave—4.0-5.0 Pitch Diameter
RPM Range—1090-1365
Motor—1/2 H.P. [373 W]—1750 RPM

[] Designates Metric Conversions

AIRFLOW PERFORMANCE—5 TON [17.58 kW] SINGLE PHASE BELT DRIVE

Air Flow CFM [L/s]	Capacity 5 Ton [17.58 kW]—12 SEER										
	Voltage 208/230—1 Phase										
	208 Volt—External Static Pressure—Inches of Water [kPa]										
	0.1 [0.02]	0.2 [0.05]	0.3 [0.07]	0.4 [0.10]	0.5 [0.12]	0.6 [0.15]	0.7 [0.17]	0.8 [0.20]	0.9 [0.22]	1.0 [0.25]	
RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W
1400 [661]	—	785	360	830	380	880	400	950	420	990	435
1500 [708]	—	795	395	855	425	925	460	960	480	1005	510
1600 [755]	770	410	835	440	880	460	940	980	500	1015	540
1700 [802]	825	460	860	490	925	520	955	540	1010	560	1035
1800 [850]	860	520	905	540	945	565	995	580	1030	630	1045
1900 [897]	905	565	945	600	980	640	1010	660	1040	710	—
2000 [944]	950	640	980	670	1010	710	1030	740	—	—	—
2100 [991]	990	730	1015	760	1040	800	—	—	—	—	—
2200 [1038]	1030	825	1040	870	—	—	—	—	—	—	—
2300 [1085]	—	—	—	—	—	—	—	—	—	—	—

Drive Package		L—230 Volt									
Motor H.P. [W]		3/4 [559]—4 Pole—Single Phase					3/4 [559]—4 Pole—Single Phase				
Blower Sheave		6.4" Pitch Diameter					6.4" Pitch Diameter				
Motor Sheave		2.8"-3.8" Pitch Diameter					2.8"-3.8" Pitch Diameter				
Turns Open		0	1	2	3	4	5	6	0	1	2
RPM		1045	1000	955	905	860	810	745	1065	1025	980

NOTE: Factory sheave settings are shown in bold print.

AIRFLOW PERFORMANCE—5 TON [17.58 kW] THREE PHASE BELT DRIVE

Air Flow CFM [L/s]	Capacity 5 Ton (17.58 kW)—10 & 12 SEER													
	Voltage 208/230-460 & 575—3 Phase													
	External Static Pressure—Inches of Water [kPa]													
0.1 [0.02]	0.2 [0.05]	0.3 [0.07]	0.4 [0.10]	0.5 [0.12]	0.6 [0.15]	0.7 [0.17]	0.8 [0.20]	0.9 [0.22]	1.0 [0.25]	1.1 [0.27]	1.2 [0.30]	1.3 [0.32]	1.4 [0.35]	1.5 [0.37]
RPM W	RPM W	RPM W	RPM W	RPM W	RPM W	RPM W	RPM W	RPM W	RPM W	RPM W	RPM W	RPM W	RPM W	RPM W
1400 [661]	—	—	780 370	815 385	875 425	930 460	970 490	1030 540	1065 570	1105 595	1150 615	1235 660	1300 705	1340 745
1500 [708]	—	—	795 405	840 415	895 440	945 500	995 540	1045 595	1080 615	1135 650	1165 675	1255 735	1320 775	1365 805
1600 [755]	—	780 390	805 425	870 470	915 510	965 560	1015 600	1060 640	1105 680	1145 705	1180 730	1275 790	1340 840	1385 880
1700 [802]	—	795 450	840 490	895 530	940 570	990 605	1035 640	1075 680	1120 725	1160 755	1200 790	1245 815	1355 905	1375 940
1800 [850]	780 455	815 470	870 540	915 560	965 615	1010 660	1055 710	1100 760	1140 785	1175 810	1225 850	1260 880	1320 930	1365 985
1900 [897]	800 485	850 530	895 590	945 640	995 675	1035 720	1070 775	1120 810	1160 850	1200 890	1245 915	1290 960	1335 1000	1375 1050
2000 [944]	830 550	880 605	930 655	970 700	1015 730	1055 790	1105 830	1145 875	1180 910	1225 950	1260 980	1320 1035	1350 1075	1385 1120
2100 [991]	860 615	915 655	955 705	1005 1005	1040 820	1090 870	1130 910	1170 950	1210 995	1250 1020	1290 1060	1330 1100	1370 1150	1400 1200
2200 [1038]	895 680	945 735	995 780	1030 830	1060 880	1120 940	1155 980	1195 1020	1240 1055	1275 1100	1320 1140	1360 1180	1385 1225	—
2300 [1085]	940 755	975 795	1015 830	1065 910	1100 965	1150 105	1180 1050	1225 1095	1265 1125	1310 1175	1350 1230	1375 1260	1405 1320	—
2400 [1133]	970 825	1015 880	1040 925	1095 1005	1145 1055	1175 1085	1225 1140	1260 1175	1300 1210	1340 1255	1370 1315	1400 1375	—	—
2500 [1179]	1015 910	1040 935	1095 1040	1145 1100	1170 1140	1200 1175	1250 1215	1305 1270	1360 1350	1400 1395	—	—	—	—

NOTE: L-Drive left of bold line, M-Drive right of bold line.

Drive Package		L									
Motor H.P. [W]		3/4 [559]					M				
Blower Sheave		6.4" Pitch Diameter					1 [746]				
Motor Sheave		2.8"-3.8" Pitch Diameter—Adj.					3.4"-4.4" Pitch Diameter—Adj.				
Turns Open		0	1	2	3	4	5	6	0	1	2
RPM		1095	1040	995	940	890	835	780	1405	1360	1305

NOTE: Factory sheave settings are shown in bold print.

AIRFLOW PERFORMANCE—6 TON [21.10 kW] BELT DRIVE

Air Flow CFM [L/s]	Capacity 6 Ton [21.10 kW]—9.4 EER		External Static Pressure—Inches of Water [kPa]																																
	Voltage 208/230-460 & 575—3 Phase		0.1 [.02]		0.2 [.05]		0.3 [.07]		0.4 [.10]		0.5 [.12]		0.6 [.15]		0.7 [.17]		0.8 [.20]		0.9 [.22]		1.0 [.25]		1.1 [.27]		1.2 [.30]		1.3 [.32]		1.4 [.35]		1.5 [.37]				
	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W			
	1800 [850]	—	—	—	—	—	—	—	785	560	850	605	895	650	930	670	975	720	1010	760	1050	800	1090	850	1120	890	1150	940	1180	980	1210	1015			
1900 [897]	—	—	—	—	785	580	830	615	875	660	915	700	955	740	990	770	1020	815	1070	855	1105	925	1135	960	1165	1015	1195	1075	1220	1115					
2000 [944]	—	—	775	600	815	625	860	675	895	720	930	750	975	800	1015	840	1050	900	1085	940	1120	1000	1145	1035	1175	1090	1205	1150	1230	1205					
2100 [991]	—	—	810	650	840	680	880	740	920	780	955	820	995	880	1030	920	1065	960	1100	1025	1130	1060	1160	1130	1190	1220	1250	1240	1295						
2200 [1038]	780	660	825	700	865	750	910	810	945	850	980	880	1015	930	1050	1000	1080	1045	1120	1100	1145	1160	1180	1220	1205	1260	1230	1330	1255	1380					
2300 [1085]	815	720	855	760	890	830	930	870	960	910	1000	960	1035	1005	1065	1060	1100	1130	1135	1180	1160	1250	1200	1325	1220	1370	1240	1425	—	—	—				
2400 [1133]	845	780	880	835	920	900	950	945	990	990	1025	1050	1055	1110	1085	1155	1120	1215	1150	1335	1185	1355	1220	1430	1235	1470	1255	1525	—	—	—				
2500 [1180]	870	855	910	915	945	975	980	1020	1020	1085	1045	1140	1080	1200	1110	1260	1135	1300	1175	1390	1205	1450	1250	1530	1250	1580	1295	1630	—	—	—				
2600 [1227]	900	945	940	1005	975	1060	1005	1105	1040	1175	1065	1225	1100	1295	1135	1350	1165	1425	1200	1505	1225	1580	1240	1635	1270	1665	—	—	—	—	—				
2700 [1274]	930	1075	970	1100	1000	1145	1030	1200	1060	1260	1090	1335	1125	1395	1155	1470	1185	1540	1220	1615	1235	1675	1255	1730	—	—	—	—	—	—	—				
2800 [1321]	960	1150	1000	1195	1025	1240	1055	1305	1085	1350	1115	1440	1145	1510	1180	1560	1210	1620	1235	1740	1250	1775	1295	—	—	—	—	—	—	—	—	—			
2900 [1369]	1000	1245	1025	1290	1055	1350	1080	1400	1120	1480	1145	1550	1180	1640	1210	1720	1225	1700	1250	1850	1290	1895	—	—	—	—	—	—	—	—	—	—			
3000 [1416]	1025	1325	1050	1395	1080	1455	1115	1540	1145	1620	1175	1655	1210	1755	1225	1840	1245	1910	1295	1970	—	—	—	—	—	—	—	—	—	—	—	—	—		

NOTE: L-Drive left of bold line, M-Drive right of bold line.

Drive Package	L										M									
Motor H.P. [W]	1/2 [1119]										1/2 [1119]									
Blower Sheave	6.4" Pitch Diameter										6.4" Pitch Diameter									
Motor Sheave	2.8"-3.8" Pitch Diameter—Adj.										3.4"-4.4" Pitch Diameter—Adj.									
Turns Open	0	1	2	3	4	5	6	0	1	2	3	4	5	6						
RPM	1100	1050	1000	945	895	845	780	1295	1230	1195	1145	1100	1050	1000						

NOTE: Factory shelve settings are shown in bold print.

[] Designates Metric Conversions

AIRFLOW PERFORMANCE—7.5 TON [26.4 kW] BELT DRIVE

Air Flow CFM (L/s)	Capacity 7.5 Ton [26.4 kW]—9.1 EER		External Static Pressure—Inches of Water [kPa]																																	
	Voltage 208/230-460 & 575—3 Phase																																			
	0.1 [0.2]	0.2 [0.05]	0.3 [0.07]	0.4 [0.10]	0.5 [0.12]	0.6 [0.15]	0.7 [0.17]	0.8 [0.20]	0.9 [0.22]	1.0 [0.25]	1.1 [0.27]	1.2 [0.30]	1.3 [0.32]	1.4 [0.35]	1.5 [0.37]	1.6 [0.40]	1.7 [0.42]	1.8 [0.45]	1.9 [0.47]	2.0 [0.50]																
RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W															
2200 [944]	—	—	—	—	970	929	998	989	1026	1050	1055	1110	1083	1170	1112	1231	1140	1291	1168	1351	1197	1411	1225	1472	1254	1532	1282	1592	1311	1653	1339	1713	1367	1773	1396	1833
2300 [1085]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2400 [1133]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2500 [1180]	—	—	—	—	979	1069	1007	1129	1036	1199	1064	1250	1093	1310	1121	1370	1149	1431	1178	1491	1206	1551	1235	1611	1263	1672	1292	1732	1320	1792	1348	1953	1377	1913	—	
2600 [1227]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2700 [1274]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2800 [1321]	969	1288	998	1348	1026	1408	1055	1469	1083	1529	1111	1589	1140	1650	1168	1710	1197	1770	1225	1831	1253	1891	1282	1951	1310	2011	1339	2072	1367	2132	1396	2192	—	—		
2900 [1369]	988	1388	1017	1448	1045	1508	1073	1569	1102	1629	1130	1689	1159	1750	1187	1810	1216	1870	1244	1931	1272	1991	1301	2051	1329	2111	1358	2172	1386	2232	—	—	—	—		
3000 [1416]	1007	1488	1036	1548	1064	1608	1092	1669	1121	1729	1149	1789	1178	1850	1206	1910	1234	1970	1263	2031	1291	2091	1320	2151	1348	2211	1377	2272	—	—	—	—	—	—		
3100 [1463]	1026	1588	1054	1648	1083	1708	1111	1769	1140	1829	1168	1889	1197	1950	1225	2010	1253	2070	1282	2131	1310	2191	1339	2251	1367	2311	1396	2372	—	—	—	—	—	—		
3200 [1510]	1045	1688	1073	1748	1102	1808	1130	1869	1159	1929	1187	1989	1215	2050	1244	2110	1272	2170	1301	2231	1329	2291	1357	2351	1386	2411	—	—	—	—	—	—	—	—		
3300 [1557]	1064	1788	1092	1848	1121	1908	1149	1969	1177	2029	1206	2089	1234	2150	1263	2210	1291	2270	1320	2331	1348	2391	1376	2451	—	—	—	—	—	—	—	—	—	—		
3400 [1605]	1083	1888	1111	1948	1140	2008	1168	2069	1196	2129	1225	2189	1253	2250	1282	2310	1310	2370	1338	2431	1367	2491	1395	2551	—	—	—	—	—	—	—	—	—	—		

NOTE: L-Drive left of bold line, M-Drive right of bold line.

Drive Package	L												M											
Motor H.P. [W]	1 1/2 [1119]												1 1/2 [1119]											
Blower Sheave	AK66												AK59											
Motor Sheave	IVP-50												IVP-50											
Turns Open	0	1	2	3	4	5	6	0	1	2	3	4	5	6	0	1	2	3	4	5	6			
RPM	1250	1222	1174	1165	1080	1033	966	1397	1341	1286	1228	1176	1121	1067	1397	1341	1286	1228	1176	1121	1067			

NOTE: Factory sheave settings are shown in bold print.

COMPONENT AIR RESISTANCE

Component	Standard Indoor Airflow—CFM [L/s]								Resistance—Inches Water [kPa]							
	2200 [944]	2400 [1133]	2600 [1227]	2800 [1321]	3200 [1510]	3400 [1605]	3600 [1699]	3800 [1793]	2200 [944]	2400 [1133]	2600 [1227]	2800 [1321]	3200 [1510]	3400 [1605]	3600 [1699]	3800 [1793]
Wet Coil	.079	.090	.102	.118	.128	.135	.142	.149	.079	.090	.102	.118	.128	.135	.142	.149
Downflow	.061	.079	.089	.100	.108	.112	.116	.120	.061	.079	.089	.100	.108	.112	.116	.120
Economizer	.09	.10	.11	.12	.13	.15	.16	.17	.09	.10	.11	.12	.13	.15	.16	.17
R.A. Damper	.09	.10	.11	.12	.13	.15	.16	.17	.09	.10	.11	.12	.13	.15	.16	.17

NOTES:

- Performance shown with dry coil & standard 2" [50.8 mm] filters.
- Standard CFM @ .075 lbs./cu. ft.
- Motor efficiency = 80% on 208/230, 460, 575 V, 3-Phase
Motor efficiency = 50% on 208/230 V, 1-Phase
4. BHP = Watts x Motor Eff.
746
- Add component resistance to duct static to determine total E.S.P.

[] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—UKMA-A036

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①										
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]		1500 [707.9]	1200 [566.3]	900 [424.8]	1500 [707.9]	1200 [566.3]	900 [424.8]	1500 [707.9]	1200 [566.3]	900 [424.8]
DR ①		.16	.12	.06	.16	.12	.06	.16	.12	.06
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	46.8 [13.72] 30.5 [8.94] 2.6	45.1 [13.22] 27.2 [7.97] 2.5	43.4 [12.72] 23.8 [6.98] 2.4	43.8 [12.84] 35.0 [10.26] 2.6	42.1 [12.34] 31.6 [9.26] 2.5	40.4 [11.84] 28.3 [8.29] 2.4	41.2 [12.07] 38.5 [11.28] 2.6	39.5 [11.58] 35.2 [10.32] 2.5
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	45.3 [13.28] 29.2 [8.56] 2.7	43.6 [12.78] 25.9 [7.59] 2.7	41.9 [12.28] 22.6 [6.62] 2.6	42.2 [12.37] 33.7 [9.88] 2.7	40.5 [11.87] 30.4 [8.91] 2.6	38.8 [11.37] 27.0 [7.91] 2.6	39.7 [11.63] 37.3 [10.93] 2.7	38.0 [11.14] 33.9 [9.94] 2.7
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	44.1 [12.92] 28.4 [8.32] 2.9	42.4 [12.43] 25.1 [7.36] 2.8	40.7 [11.93] 21.7 [6.36] 2.7	41.0 [12.02] 32.8 [9.61] 2.8	39.3 [11.52] 29.5 [8.65] 2.8	37.6 [11.02] 26.2 [7.68] 2.7	38.5 [11.28] 36.4 [10.67] 2.9	36.8 [10.78] 33.1 [9.70] 2.8
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	43.2 [12.66] 27.8 [8.15] 3.0	41.5 [12.16] 24.5 [7.18] 2.9	39.7 [11.63] 21.2 [6.21] 2.9	40.1 [11.75] 32.3 [9.47] 3.0	38.4 [11.25] 28.9 [8.47] 2.9	36.7 [10.76] 25.6 [7.51] 2.9	37.5 [10.99] 35.9 [10.52] 3.0	35.8 [10.49] 32.5 [9.52] 3.0
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	42.3 [12.40] 27.4 [8.03] 3.2	40.6 [11.90] 24.1 [7.06] 3.1	38.9 [11.40] 20.8 [6.10] 3.0	39.3 [11.52] 31.9 [9.35] 3.1	37.6 [11.02] 28.6 [8.38] 3.1	35.9 [10.52] 25.2 [7.39] 3.0	36.7 [10.76] 35.5 [10.40] 3.2	35.0 [10.26] 32.1 [9.41] 3.1
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	41.6 [12.19] 27.1 [7.94] 3.3	39.9 [11.69] 23.8 [6.98] 3.2	38.2 [11.20] 20.4 [5.98] 3.2	38.5 [11.28] 31.6 [9.26] 3.3	36.8 [10.78] 28.2 [8.26] 3.2	35.1 [10.29] 24.9 [7.30] 3.2	36.0 [10.55] 35.1 [10.29] 3.3	34.2 [10.02] 31.8 [9.32] 3.2
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	40.8 [11.96] 26.7 [7.82] 3.4	39.1 [11.46] 23.4 [6.86] 3.4	37.4 [10.96] 20.1 [5.89] 3.3	37.7 [11.05] 31.2 [9.14] 3.4	36.0 [10.55] 27.9 [8.18] 3.4	34.3 [10.05] 24.5 [7.18] 3.3	35.1 [10.29] 34.8 [10.20] 3.5	33.4 [9.79] 31.4 [9.20] 3.4
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	39.8 [11.66] 26.2 [7.68] 3.6	38.1 [11.17] 22.8 [6.68] 3.5	36.4 [10.67] 19.5 [5.71] 3.5	36.8 [10.78] 30.6 [8.97] 3.6	35.0 [10.26] 27.3 [8.00] 3.5	33.3 [9.76] 24.0 [7.03] 3.4	34.2 [10.02] 34.2 [10.02] 3.6	32.5 [9.52] 30.9 [9.06] 3.5
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	38.7 [11.34] 25.3 [7.41] 3.7	36.9 [10.81] 22.0 [6.45] 3.7	35.2 [10.32] 18.7 [5.48] 3.6	35.6 [10.43] 29.8 [8.73] 3.7	33.9 [9.94] 26.4 [7.74] 3.7	32.2 [9.44] 23.1 [6.77] 3.6	33.0 [9.67] 33.0 [9.67] 3.7	31.3 [9.17] 30.0 [8.79] 3.7

GROSS SYSTEMS PERFORMANCE DATA—UKMA-A042

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①										
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]		1750 [825.9]	1400 [660.7]	1050 [495.5]	1750 [825.9]	1400 [660.7]	1050 [495.5]	1750 [825.9]	1400 [660.7]	1050 [495.5]
DR ①		.16	.11	.05	.16	.11	.05	.16	.11	.05
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	51.0 [14.94] 36.7 [10.75] 2.8	49.1 [14.39] 32.9 [9.64] 2.8	47.1 [13.80] 29.0 [8.50] 2.7	48.1 [14.09] 42.4 [12.42] 2.8	46.1 [13.51] 38.6 [11.31] 2.7	44.2 [12.95] 34.7 [10.17] 2.6	44.6 [13.07] 44.6 [13.07] 2.8	42.6 [12.48] 42.6 [12.48] 2.7
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	49.9 [14.62] 33.1 [9.70] 3.0	47.9 [14.03] 29.3 [8.58] 2.9	46.0 [13.48] 25.5 [7.47] 2.9	46.9 [13.74] 38.9 [11.40] 2.9	45.0 [13.19] 35.0 [10.26] 2.9	43.1 [12.63] 31.2 [9.14] 2.8	43.4 [12.72] 43.4 [12.72] 2.9	41.5 [12.16] 41.5 [12.16] 2.9
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	48.9 [14.33] 31.4 [9.20] 3.2	47.0 [13.77] 27.6 [8.09] 3.1	45.0 [13.19] 23.7 [6.94] 3.0	46.0 [13.48] 37.1 [10.87] 3.1	44.0 [12.89] 33.3 [9.76] 3.1	42.1 [12.34] 29.5 [8.64] 3.0	42.5 [12.45] 42.5 [12.45] 3.1	40.5 [11.87] 40.5 [11.87] 3.0
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	48.0 [14.06] 30.9 [9.05] 3.4	46.1 [13.51] 27.0 [7.91] 3.3	44.2 [12.95] 23.2 [6.80] 3.2	45.1 [13.21] 36.6 [10.72] 3.3	43.2 [12.66] 32.8 [9.61] 3.2	41.3 [12.10] 28.9 [8.47] 3.2	41.6 [12.19] 41.6 [12.19] 3.3	39.7 [11.63] 39.7 [11.63] 3.2
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	47.2 [13.83] 31.0 [9.08] 3.5	45.3 [13.27] 27.1 [7.94] 3.5	43.4 [12.72] 23.3 [6.83] 3.4	44.3 [12.98] 36.7 [10.75] 3.5	42.4 [12.42] 32.9 [9.64] 3.4	40.4 [11.84] 29.0 [8.50] 3.3	40.8 [11.95] 40.8 [11.95] 3.5	38.9 [11.40] 38.9 [11.40] 3.4
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	46.4 [13.60] 31.0 [9.08] 3.7	44.4 [13.01] 27.2 [7.97] 3.6	42.5 [12.45] 23.4 [6.86] 3.6	43.4 [12.72] 36.8 [10.78] 3.6	41.5 [12.16] 32.9 [9.64] 3.6	39.6 [11.60] 29.1 [8.53] 3.5	39.9 [11.69] 39.9 [11.69] 3.6	38.0 [11.13] 38.0 [11.13] 3.6
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	45.4 [13.19] 30.5 [8.94] 3.9	43.5 [12.75] 26.7 [7.82] 3.8	41.6 [12.19] 22.8 [6.68] 3.7	42.5 [12.45] 36.2 [10.61] 3.8	40.5 [11.87] 32.4 [9.49] 3.7	38.6 [11.31] 28.6 [8.38] 3.7	39.0 [11.43] 39.0 [11.43] 3.8	37.0 [10.84] 37.0 [10.84] 3.7
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	44.3 [12.98] 28.7 [8.41] 4.0	42.4 [12.42] 24.9 [7.30] 4.0	40.4 [11.84] 21.1 [6.18] 3.9	41.3 [12.10] 34.5 [10.11] 4.0	39.4 [11.54] 30.6 [8.97] 3.9	37.5 [10.99] 26.8 [7.85] 3.8	37.8 [11.08] 37.8 [11.08] 4.0	35.9 [10.52] 35.9 [10.52] 3.9
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	42.9 [12.57] 25.2 [7.38] 4.2	41.0 [12.01] 21.3 [6.24] 4.1	39.1 [11.46] 17.5 [5.13] 4.1	40.0 [11.72] 30.9 [9.05] 4.2	38.0 [11.13] 27.0 [7.91] 4.1	36.1 [10.58] 23.2 [6.80] 4.0	36.5 [10.69] 36.5 [10.69] 4.1	34.5 [10.11] 34.5 [10.11] 4.1

DR —Depression ratio
dbE—Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power—KW input

NOTES:

① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—UKMA-A048

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		2000 [943.9]	1600 [755.1]	1200 [566.3]	2000 [943.9]	1600 [755.1]	1200 [566.3]	2000 [943.9]	1600 [755.1]	1200 [566.3]	
DR ①		.18	.14	.09	.18	.14	.09	.18	.14	.09	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	60.5 [17.73] 37.0 [10.84] 4.2	58.2 [17.06] 32.7 [9.58] 4.1	55.9 [16.38] 28.3 [8.29] 4.0	56.6 [16.59] 43.5 [12.75] 4.1	54.3 [15.91] 39.2 [11.49] 4.0	52.0 [15.24] 34.8 [10.20] 3.9	53.1 [15.56] 48.7 [14.27] 3.5	50.8 [14.89] 44.3 [12.98] 3.4	48.6 [14.24] 39.9 [11.69] 3.3
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	59.6 [17.47] 36.7 [10.76] 4.4	57.3 [16.79] 32.3 [9.47] 4.3	55.0 [16.12] 27.9 [8.18] 4.2	55.7 [16.32] 43.2 [12.66] 4.3	53.4 [15.65] 38.8 [11.37] 4.2	51.1 [14.98] 34.4 [10.08] 4.1	52.2 [15.30] 48.3 [14.16] 3.7	50.0 [14.65] 43.9 [12.87] 3.6	47.7 [13.98] 39.5 [11.58] 3.5
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	58.6 [17.17] 36.3 [10.64] 4.6	56.3 [16.50] 31.9 [9.35] 4.5	54.0 [15.83] 27.5 [8.06] 4.4	54.7 [16.03] 42.8 [12.54] 4.5	52.4 [15.36] 38.4 [11.25] 4.4	50.1 [14.68] 34.0 [9.96] 4.3	51.2 [15.01] 47.9 [14.04] 3.9	49.0 [14.36] 43.6 [12.78] 3.8	46.7 [13.69] 39.2 [11.49] 3.7
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	57.5 [16.85] 35.9 [10.52] 4.7	55.2 [16.18] 31.5 [9.23] 4.6	52.9 [15.50] 27.1 [7.94] 4.6	53.6 [15.71] 42.4 [12.43] 4.7	51.3 [15.03] 38.0 [11.14] 4.6	49.0 [14.36] 33.6 [9.85] 4.5	50.1 [14.68] 47.5 [13.92] 4.1	47.8 [14.01] 43.2 [12.66] 4.0	45.6 [13.36] 38.8 [11.37] 3.9
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	56.2 [16.47] 35.4 [10.37] 4.9	54.0 [15.83] 31.1 [9.11] 4.8	51.7 [15.15] 26.7 [7.82] 4.7	52.3 [15.33] 41.9 [12.28] 4.9	50.1 [14.68] 37.6 [11.02] 4.8	47.8 [14.01] 33.2 [9.73] 4.7	48.9 [14.33] 47.1 [13.80] 4.3	46.6 [13.66] 42.7 [12.51] 4.2	44.3 [12.98] 38.3 [11.22] 4.1
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	54.9 [16.09] 34.9 [10.23] 5.1	52.7 [15.44] 30.5 [8.94] 5.0	50.4 [14.77] 26.2 [7.68] 4.9	51.0 [14.95] 41.4 [12.13] 5.1	48.8 [14.30] 37.1 [10.87] 5.0	46.5 [13.63] 32.7 [9.58] 4.9	47.6 [13.95] 46.6 [13.66] 4.5	45.3 [13.28] 42.2 [12.37] 4.4	43.0 [12.60] 37.8 [11.08] 4.3
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	53.6 [15.71] 34.3 [10.05] 5.3	51.3 [15.03] 29.9 [8.76] 5.2	49.0 [14.36] 25.6 [7.51] 5.1	49.7 [14.57] 40.8 [11.96] 5.3	47.4 [13.89] 36.4 [10.67] 5.2	45.1 [13.22] 32.1 [9.41] 5.1	46.2 [13.54] 46.0 [13.48] 4.7	44.0 [12.90] 41.6 [12.19] 4.6	41.7 [12.22] 37.2 [10.90] 4.5
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	52.2 [15.30] 33.6 [9.85] 5.5	49.9 [14.62] 29.2 [8.56] 5.4	47.6 [13.95] 24.8 [7.27] 5.3	48.3 [14.16] 40.1 [11.75] 5.5	46.0 [13.48] 35.7 [10.46] 5.4	43.7 [12.81] 31.3 [9.17] 5.3	44.8 [13.13] 44.8 [13.13] 4.9	42.5 [12.46] 40.9 [11.99] 4.8	40.3 [11.81] 36.5 [10.70] 4.7
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	50.7 [14.86] 32.7 [9.58] 5.7	48.5 [14.21] 28.3 [8.29] 5.6	46.2 [13.54] 24.0 [7.03] 5.5	46.8 [13.72] 39.2 [11.49] 5.7	44.6 [13.07] 34.8 [10.20] 5.6	42.3 [12.40] 30.5 [8.94] 5.5	43.4 [12.72] 43.4 [12.72] 5.1	41.1 [12.05] 40.0 [11.72] 5.0	38.8 [11.37] 35.6 [10.43] 4.9

GROSS SYSTEMS PERFORMANCE DATA—UKMA-A060

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		2500 [1179.9]	2000 [943.9]	1500 [707.9]	2500 [1179.9]	2000 [943.9]	1500 [707.9]	2500 [1179.9]	2000 [943.9]	1500 [707.9]	
DR ①		.20	.17	.12	.20	.17	.12	.20	.17	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	74.4 [21.80] 46.8 [13.72] 4.2	71.6 [20.98] 41.5 [12.16] 4.1	68.8 [20.16] 36.2 [10.61] 4.0	69.9 [20.49] 53.7 [15.74] 4.2	67.2 [19.69] 48.3 [14.16] 4.1	64.4 [18.87] 43.0 [12.60] 4.0	65.0 [19.05] 58.6 [17.17] 4.2	62.2 [18.23] 53.3 [15.62] 4.1	59.4 [17.41] 48.0 [14.07] 4.0
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	72.2 [21.16] 45.8 [13.42] 4.5	69.4 [20.34] 40.4 [11.84] 4.3	66.7 [19.55] 35.1 [10.29] 4.2	67.8 [19.87] 52.6 [15.42] 4.5	65.0 [19.05] 47.3 [13.86] 4.3	62.2 [18.23] 42.0 [12.31] 4.2	62.9 [18.43] 57.5 [16.85] 4.4	60.1 [17.61] 52.2 [15.30] 4.3	57.3 [16.79] 46.9 [13.74] 4.2
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	70.8 [20.75] 45.0 [13.19] 4.7	68.0 [19.93] 39.7 [11.63] 4.6	65.3 [19.14] 34.4 [10.08] 4.5	66.4 [19.46] 51.9 [15.21] 4.7	63.6 [18.64] 46.6 [13.66] 4.6	60.8 [17.82] 41.2 [12.07] 4.5	61.5 [18.02] 56.8 [16.65] 4.6	58.7 [17.20] 51.5 [15.09] 4.5	55.9 [16.38] 46.2 [13.54] 4.4
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	69.7 [20.43] 44.5 [13.04] 4.9	66.9 [19.61] 39.2 [11.49] 4.8	64.1 [18.79] 33.9 [9.94] 4.7	65.2 [19.11] 51.4 [15.06] 4.9	62.5 [18.32] 46.1 [13.51] 4.8	59.7 [17.50] 40.7 [11.93] 4.7	60.3 [17.67] 56.3 [16.50] 4.8	57.5 [16.85] 51.0 [14.95] 4.7	54.8 [16.06] 45.7 [13.39] 4.6
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	68.3 [20.02] 44.1 [12.92] 5.1	65.5 [19.20] 38.8 [11.37] 5.0	62.8 [18.40] 33.5 [9.82] 4.9	63.9 [18.73] 50.9 [14.92] 5.1	61.1 [17.91] 45.6 [13.36] 5.0	58.3 [17.09] 40.3 [11.81] 4.9	59.0 [17.29] 56.0 [16.41] 5.0	56.2 [16.47] 50.6 [14.83] 4.9	53.4 [15.65] 45.2 [13.25] 4.8
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	66.3 [19.43] 43.6 [12.78] 5.3	63.5 [18.61] 38.3 [11.22] 5.2	60.7 [17.79] 33.0 [9.67] 5.1	61.9 [18.14] 50.5 [14.80] 5.3	59.1 [17.32] 45.1 [13.22] 5.2	56.3 [16.50] 39.8 [11.66] 5.1	56.9 [16.68] 55.4 [16.24] 5.3	54.2 [15.88] 50.1 [14.68] 5.1	51.4 [15.06] 44.8 [13.13] 5.0
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	63.1 [18.49] 42.9 [12.57] 5.5	60.3 [17.67] 37.6 [11.02] 5.4	57.6 [16.88] 32.3 [9.47] 5.3	58.7 [17.20] 49.8 [14.59] 5.5	55.9 [16.38] 44.5 [13.04] 5.4	53.1 [15.56] 39.1 [11.46] 5.3	53.8 [15.77] 53.8 [15.77] 5.5	51.0 [14.95] 49.4 [14.48] 5.4	48.2 [14.13] 44.1 [12.92] 5.3
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	58.3 [17.09] 41.9 [12.28] 5.8	55.5 [16.27] 36.6 [10.73] 5.7	52.8 [15.47] 31.3 [9.17] 5.5	53.9 [15.80] 48.8 [14.30] 5.8	51.1 [14.98] 43.4 [12.72] 5.7	48.3 [14.16] 38.1 [11.17] 5.5	49.0 [14.36] 49.0 [14.36] 5.7	46.2 [13.54] 46.2 [13.54] 5.6	43.4 [12.72] 43.1 [12.63] 5.5
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	51.4 [15.06] 40.4 [11.84] 6.0	48.6 [14.24] 35.1 [10.29] 5.9	45.9 [13.45] 29.8 [8.73] 5.8	47.0 [13.77] 47.0 [13.77] 6.0	44.2 [12.95] 41.9 [12.28] 5.9	41.4 [12.13] 36.6 [10.73] 5.8	42.1 [12.34] 42.1 [12.34] 5.9	39.3 [11.52] 39.3 [11.52] 5.8	36.5 [10.70] 36.5 [10.70] 5.7

DR —Depression ratio
dbE—Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power—KW input

NOTES:

① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—UKKA-A036

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①										
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]		1500 [707.9]	1200 [566.3]	900 [424.8]	1500 [707.9]	1200 [566.3]	900 [424.8]	1500 [707.9]	1200 [566.3]	900 [424.8]
DR ①		.18	.15	.10	.18	.15	.10	.18	.15	.10
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	43.4 [12.72] 28.2 [8.26] 2.9	41.7 [12.22] 24.9 [7.30] 2.9	40.0 [11.72] 21.7 [6.36] 2.8	41.6 [12.19] 33.0 [9.67] 2.9	39.9 [11.69] 29.8 [8.73] 2.8	38.2 [11.20] 26.5 [7.77] 2.8	39.8 [11.66] 38.0 [11.14] 2.9	38.1 [11.17] 34.7 [10.17] 2.8
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	42.9 [12.57] 27.7 [8.12] 3.1	41.2 [12.07] 24.5 [7.10] 3.0	39.5 [11.58] 21.2 [6.21] 3.0	41.1 [12.05] 32.6 [9.55] 3.1	39.4 [11.55] 29.3 [8.59] 3.0	37.7 [11.05] 26.0 [7.62] 2.9	39.3 [11.52] 37.5 [10.99] 3.1	37.6 [11.02] 34.2 [10.02] 3.0
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	42.3 [12.40] 27.3 [8.00] 3.3	40.6 [11.90] 24.0 [7.03] 3.2	38.9 [11.40] 20.8 [6.10] 3.1	40.6 [11.90] 32.1 [9.41] 3.3	38.9 [11.40] 28.9 [8.47] 3.2	37.2 [10.90] 25.6 [7.50] 3.1	38.8 [11.37] 37.1 [10.87] 3.2	37.1 [10.87] 33.8 [9.91] 3.1
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	41.7 [12.22] 26.9 [7.88] 3.4	40.0 [11.72] 23.6 [6.92] 3.4	38.3 [11.22] 20.3 [5.95] 3.3	40.0 [11.72] 31.7 [9.29] 3.4	38.3 [11.22] 28.5 [8.35] 3.4	36.6 [10.73] 25.2 [7.39] 3.3	38.1 [11.17] 36.7 [10.76] 3.4	36.4 [10.67] 33.4 [9.79] 3.3
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	41.0 [12.02] 26.5 [7.77] 3.6	39.3 [11.52] 23.2 [6.80] 3.5	37.6 [11.02] 20.0 [5.86] 3.5	39.3 [11.52] 31.3 [9.17] 3.6	37.6 [11.02] 28.1 [8.24] 3.5	35.8 [10.49] 24.8 [7.27] 3.5	37.4 [10.96] 36.3 [10.64] 3.6	35.7 [10.46] 33.0 [9.67] 3.5
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	40.2 [11.78] 26.1 [7.65] 3.8	38.5 [11.28] 22.8 [6.68] 3.7	36.8 [10.78] 19.5 [5.71] 3.6	38.4 [11.25] 30.9 [9.06] 3.8	36.7 [10.76] 27.6 [8.09] 3.7	35.0 [10.26] 24.4 [7.15] 3.6	36.6 [10.73] 35.9 [10.52] 3.7	34.9 [10.23] 32.6 [9.55] 3.7
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	39.2 [11.49] 25.7 [7.53] 4.0	37.5 [10.99] 22.4 [6.56] 3.9	35.8 [10.49] 19.1 [5.60] 3.8	37.5 [10.99] 30.5 [8.94] 3.9	35.8 [10.49] 27.2 [7.97] 3.9	34.0 [9.96] 24.0 [7.03] 3.8	35.6 [10.43] 35.4 [10.37] 3.9	33.9 [9.94] 32.2 [9.44] 3.8
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	38.1 [11.17] 25.2 [7.39] 4.1	36.4 [10.67] 21.9 [6.42] 4.0	34.7 [10.17] 18.7 [5.48] 4.0	36.3 [10.64] 30.0 [8.79] 4.1	34.6 [10.14] 26.8 [7.85] 4.0	32.9 [9.64] 23.5 [6.89] 4.0	34.5 [10.11] 34.5 [10.11] 4.1	32.8 [9.61] 31.7 [9.29] 4.0
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	36.8 [10.78] 24.7 [7.24] 4.3	35.1 [10.29] 21.4 [6.27] 4.2	33.4 [9.79] 18.1 [5.30] 4.1	35.0 [10.26] 29.5 [8.65] 4.3	33.3 [9.76] 26.2 [7.68] 4.2	31.6 [9.26] 23.0 [6.74] 4.1	33.2 [9.73] 33.2 [9.73] 4.2	31.5 [9.23] 31.2 [9.14] 4.2

GROSS SYSTEMS PERFORMANCE DATA—UKKA-A042

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①										
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]		1750 [825.9]	1400 [660.7]	1050 [495.5]	1750 [825.9]	1400 [660.7]	1050 [495.5]	1750 [825.9]	1400 [660.7]	1050 [495.5]
DR ①		.13	.09	.03	.13	.09	.03	.13	.09	.03
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	49.5 [14.51] 34.5 [10.11] 3.5	47.5 [13.92] 30.6 [8.97] 3.4	45.6 [13.36] 26.6 [7.80] 3.3	48.0 [14.07] 39.5 [11.58] 3.5	46.0 [13.48] 35.6 [10.43] 3.4	44.0 [12.90] 31.6 [9.26] 3.4	45.4 [13.31] 45.4 [13.31] 3.4	43.4 [12.72] 41.9 [12.28] 3.3
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	49.1 [14.39] 34.1 [9.99] 3.8	47.1 [13.80] 30.2 [8.85] 3.7	45.1 [13.22] 26.2 [7.68] 3.6	47.6 [13.95] 39.1 [11.46] 3.8	45.6 [13.36] 35.1 [10.29] 3.7	43.6 [12.78] 31.2 [9.14] 3.6	45.0 [13.19] 45.0 [13.19] 3.7	43.0 [12.60] 41.5 [12.16] 3.6
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	48.6 [14.24] 33.7 [9.88] 4.0	46.6 [13.66] 29.8 [8.73] 3.9	44.6 [13.07] 25.8 [7.56] 3.8	47.1 [13.80] 38.7 [11.34] 4.0	45.1 [13.22] 34.7 [10.17] 3.9	43.1 [12.63] 30.8 [9.03] 3.8	44.5 [13.04] 44.5 [13.04] 3.9	42.5 [12.46] 41.0 [12.02] 3.8
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	48.1 [14.10] 33.3 [9.76] 4.2	46.1 [13.51] 29.3 [8.59] 4.1	44.1 [12.92] 25.4 [7.44] 4.0	46.5 [13.63] 38.3 [11.22] 4.2	44.5 [13.04] 34.3 [10.05] 4.1	42.6 [12.48] 30.4 [8.91] 4.1	44.0 [12.90] 44.0 [12.90] 4.1	42.0 [12.31] 40.6 [11.90] 4.0
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	47.4 [13.89] 32.9 [9.64] 4.5	45.4 [13.31] 28.9 [8.47] 4.4	43.4 [12.72] 25.0 [7.33] 4.3	45.8 [13.42] 37.8 [11.08] 4.5	43.9 [12.87] 33.9 [9.94] 4.4	41.9 [12.28] 29.9 [8.76] 4.3	43.3 [12.69] 43.3 [12.69] 4.4	41.3 [12.10] 40.2 [11.78] 4.3
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	46.5 [13.63] 32.3 [9.47] 4.7	44.5 [13.04] 28.4 [8.32] 4.6	42.5 [12.46] 24.4 [7.15] 4.5	44.9 [13.16] 37.3 [10.93] 4.7	42.9 [12.57] 33.3 [9.76] 4.6	40.9 [11.99] 29.4 [8.62] 4.5	42.4 [12.43] 42.4 [12.43] 4.6	40.4 [11.84] 39.7 [11.63] 4.5
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	45.3 [13.28] 31.7 [9.29] 4.9	43.3 [12.69] 27.8 [8.15] 4.8	41.3 [12.10] 23.8 [6.98] 4.7	43.7 [12.81] 36.7 [10.76] 4.9	41.7 [12.22] 32.7 [9.58] 4.8	39.7 [11.63] 28.8 [8.44] 4.8	41.2 [12.07] 41.2 [12.07] 4.8	39.2 [11.49] 39.1 [11.46] 4.7
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	43.7 [12.81] 31.0 [9.09] 5.2	41.7 [12.22] 27.0 [7.91] 5.1	39.7 [11.63] 23.1 [6.77] 5.0	42.2 [12.37] 35.9 [10.52] 5.2	40.2 [11.78] 32.0 [9.38] 5.1	38.2 [11.19] 28.0 [8.21] 5.0	39.6 [11.61] 39.6 [11.61] 5.1	37.6 [11.02] 37.6 [11.02] 5.0
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	41.7 [12.22] 30.0 [8.79] 5.4	39.7 [11.63] 26.1 [7.65] 5.3	37.7 [11.05] 22.1 [6.48] 5.2	40.2 [11.78] 35.0 [10.26] 5.4	38.2 [11.20] 31.0 [9.09] 5.3	36.2 [10.61] 27.1 [7.94] 5.2	37.6 [11.02] 37.6 [11.02] 5.3	35.6 [10.43] 35.6 [10.43] 5.2

DR —Depression ratio
dbE —Entering air dry bulb
wbE —Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power —KW input

NOTES:

① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [(1.0 x CFM x (1 - DR) x (dbE - 80))].

[] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—UKKA-A048

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		2000 [943.9]	1600 [755.1]	1200 [566.3]	2000 [943.9]	1600 [755.1]	1200 [566.3]	2000 [943.9]	1600 [755.1]	1200 [566.3]	
DR ①		.18	.14	.09	.18	.14	.09	.18	.14	.09	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	54.2 [15.88] 34.6 [10.14] 3.6	51.9 [15.21] 30.2 [8.85] 3.5	49.7 [14.57] 25.8 [7.56] 3.5	52.9 [15.50] 37.7 [11.05] 3.6	50.6 [14.83] 33.3 [9.76] 3.5	48.3 [14.16] 33.3 [9.76] 3.5	51.0 [14.95] 48.4 [14.18] 3.6	48.7 [14.27] 44.1 [12.92] 3.5	46.5 [13.63] 39.7 [11.63] 3.4
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	54.1 [15.86] 34.7 [10.17] 3.9	51.8 [15.18] 30.3 [8.88] 3.8	49.5 [14.51] 25.9 [7.59] 3.7	52.7 [15.44] 37.9 [11.11] 3.9	50.4 [14.77] 33.5 [9.82] 3.7	48.2 [14.13] 33.5 [9.82] 3.7	50.9 [14.92] 48.6 [14.24] 3.8	48.6 [14.24] 44.2 [12.95] 3.7	46.3 [13.57] 39.8 [11.66] 3.6
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	54.0 [15.83] 34.7 [10.17] 4.1	51.7 [15.15] 30.3 [8.88] 4.0	49.4 [14.48] 25.9 [7.59] 3.9	52.7 [15.44] 37.9 [11.11] 4.1	50.4 [14.77] 33.5 [9.82] 4.0	48.1 [14.10] 33.5 [9.82] 3.9	50.8 [14.89] 48.6 [14.24] 4.0	48.5 [14.21] 44.2 [12.95] 3.9	46.2 [13.54] 39.8 [11.66] 3.8
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	53.9 [15.80] 34.6 [10.14] 4.3	51.7 [15.15] 30.2 [8.85] 4.2	49.4 [14.48] 25.8 [7.56] 4.1	52.6 [15.42] 37.8 [11.08] 4.3	50.3 [14.74] 33.4 [9.79] 4.2	48.1 [14.10] 33.4 [9.79] 4.1	50.7 [14.86] 48.5 [14.21] 4.2	48.5 [14.21] 44.1 [12.92] 4.1	46.2 [13.54] 39.7 [11.63] 4.1
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	53.7 [15.74] 34.5 [10.11] 4.5	51.5 [15.09] 30.1 [8.82] 4.4	49.2 [14.42] 25.7 [7.53] 4.3	52.4 [15.36] 37.6 [11.02] 4.5	50.1 [14.68] 33.2 [9.73] 4.4	47.9 [14.09] 33.2 [9.73] 4.3	50.6 [14.83] 48.4 [14.18] 4.5	48.3 [14.16] 44.0 [12.90] 4.4	46.0 [13.48] 39.6 [11.61] 4.3
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	53.3 [15.62] 34.3 [10.05] 4.7	51.0 [14.95] 30.0 [8.79] 4.6	48.7 [14.27] 25.6 [7.51] 4.6	52.0 [15.24] 37.5 [10.99] 4.7	49.7 [14.57] 33.1 [9.70] 4.6	47.4 [13.89] 33.1 [9.70] 4.5	50.1 [14.68] 48.2 [14.13] 4.7	47.8 [14.01] 43.8 [12.84] 4.6	45.5 [13.33] 39.5 [11.58] 4.5
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	52.5 [15.39] 34.3 [10.05] 5.0	50.2 [14.71] 29.9 [8.76] 4.9	47.9 [14.04] 25.5 [7.47] 4.8	51.1 [14.98] 37.5 [10.99] 5.0	48.9 [14.33] 33.1 [9.70] 4.9	46.6 [13.66] 33.1 [9.70] 4.8	49.3 [14.45] 48.2 [14.13] 4.9	47.0 [13.77] 43.8 [12.84] 4.8	44.7 [13.10] 39.4 [11.55] 4.7
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	51.1 [14.98] 34.4 [10.08] 5.2	48.8 [14.30] 30.0 [8.79] 5.1	46.6 [13.66] 25.6 [7.51] 5.0	49.8 [14.59] 37.6 [11.02] 5.2	47.5 [13.92] 33.2 [9.73] 5.1	45.2 [13.25] 33.2 [9.73] 5.0	47.9 [14.04] 43.7 [12.81] 5.1	45.6 [13.36] 43.9 [12.87] 5.0	43.4 [12.72] 39.5 [11.58] 4.9
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	49.1 [14.39] 34.7 [10.17] 5.4	46.9 [13.74] 30.3 [8.88] 5.3	44.6 [13.07] 25.9 [7.59] 5.2	47.8 [14.01] 37.9 [11.11] 5.4	45.5 [13.33] 33.5 [9.82] 5.3	43.3 [12.69] 33.5 [9.82] 5.2	46.0 [13.48] 46.0 [13.48] 5.3	43.7 [12.81] 43.7 [12.81] 5.2	41.4 [12.13] 39.8 [11.66] 5.2

GROSS SYSTEMS PERFORMANCE DATA—UKKA-A060

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		2500 [1179.9]	2000 [943.9]	1500 [707.9]	2500 [1179.9]	2000 [943.9]	1500 [707.9]	2500 [1179.9]	2000 [943.9]	1500 [707.9]	
DR ①		.18	.14	.09	.18	.14	.09	.18	.14	.09	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	72.7 [21.31] 46.0 [13.48] 4.6	69.8 [20.46] 40.5 [11.87] 4.5	66.9 [19.61] 35.0 [10.26] 4.3	69.3 [20.31] 54.6 [16.00] 4.5	66.4 [19.46] 49.1 [14.39] 4.4	63.6 [18.64] 43.6 [12.78] 4.3	65.8 [19.28] 62.7 [18.38] 4.4	62.9 [18.43] 57.2 [16.76] 4.3	60.1 [17.61] 51.7 [15.15] 4.2
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	72.2 [21.16] 45.5 [13.33] 4.9	69.3 [20.31] 40.0 [11.72] 4.8	66.4 [19.46] 34.5 [10.11] 4.6	68.8 [20.16] 54.0 [15.83] 4.8	65.9 [19.31] 48.5 [14.21] 4.7	63.0 [18.46] 43.1 [12.63] 4.6	65.3 [19.14] 62.1 [18.20] 4.7	62.4 [18.29] 56.6 [16.59] 4.6	59.6 [17.47] 51.2 [15.01] 4.5
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	71.4 [20.93] 45.0 [13.19] 5.2	68.6 [20.10] 39.5 [11.58] 5.1	65.7 [19.25] 34.0 [9.96] 4.9	68.1 [19.96] 53.5 [15.68] 5.1	65.2 [19.11] 48.1 [14.10] 5.0	62.3 [18.26] 42.6 [12.48] 4.9	64.6 [18.93] 61.6 [18.05] 5.0	61.7 [18.08] 56.2 [16.47] 4.9	58.8 [17.23] 50.7 [14.86] 4.8
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	70.5 [20.66] 44.5 [13.04] 5.5	67.6 [19.81] 39.0 [11.43] 5.3	64.8 [18.99] 33.5 [9.82] 5.2	67.1 [19.66] 53.1 [15.56] 5.4	64.2 [18.82] 47.6 [13.95] 5.3	61.4 [17.99] 42.1 [12.34] 5.2	63.6 [18.64] 61.1 [17.91] 5.3	60.8 [17.82] 55.7 [16.32] 5.2	57.9 [16.97] 50.2 [14.71] 5.1
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	69.3 [20.31] 43.9 [12.87] 5.8	66.4 [19.46] 38.5 [11.28] 5.6	63.5 [18.61] 33.0 [9.67] 5.5	65.9 [19.31] 52.5 [15.39] 5.7	63.0 [18.46] 47.0 [13.77] 5.6	60.2 [17.64] 41.5 [12.16] 5.5	62.4 [18.29] 60.7 [17.79] 5.6	59.6 [17.47] 55.1 [16.15] 5.5	56.7 [16.62] 49.6 [14.54] 5.4
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	67.8 [19.87] 43.3 [12.69] 6.0	64.9 [19.02] 37.8 [11.08] 5.9	62.0 [18.17] 32.3 [9.47] 5.8	64.4 [18.87] 51.9 [15.21] 6.0	61.5 [18.02] 46.4 [13.60] 5.9	58.7 [17.20] 40.9 [11.99] 5.8	60.9 [17.85] 60.0 [17.58] 5.9	58.0 [17.00] 54.5 [15.97] 5.8	55.2 [16.18] 49.0 [14.36] 5.7
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	66.0 [19.34] 42.4 [12.43] 6.3	63.1 [18.49] 37.0 [10.84] 6.2	60.2 [17.64] 31.5 [9.23] 6.1	62.6 [18.35] 51.0 [14.95] 6.3	59.7 [17.50] 45.5 [13.33] 6.2	56.8 [16.65] 40.0 [11.72] 6.1	59.1 [17.32] 59.1 [17.32] 6.2	56.2 [16.47] 53.6 [15.71] 6.1	53.4 [15.65] 48.1 [14.10] 6.0
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	63.8 [18.70] 41.3 [12.10] 6.6	60.9 [17.85] 35.9 [10.52] 6.5	58.1 [17.03] 30.4 [8.91] 6.4	60.4 [17.70] 49.9 [14.62] 6.6	57.5 [16.85] 44.4 [13.01] 6.5	54.7 [16.03] 38.9 [11.40] 6.4	56.9 [16.68] 56.9 [16.68] 6.5	54.1 [15.86] 52.5 [15.39] 6.4	51.2 [15.01] 47.0 [13.77] 6.3
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	61.2 [17.94] 39.9 [11.69] 6.9	58.4 [17.12] 34.5 [10.11] 6.8	55.5 [16.27] 29.0 [8.50] 6.7	57.9 [16.97] 48.5 [14.21] 6.9	55.0 [16.12] 43.0 [12.60] 6.8	52.1 [15.27] 37.5 [10.99] 6.7	54.4 [15.94] 54.4 [15.94] 6.8	51.5 [15.09] 51.1 [14.98] 6.7	48.6 [14.24] 45.6 [13.36] 6.5

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power—KW input

NOTES:

① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—UKKA-A072

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		3000 [1415.8]	2400 [1132.7]	1800 [849.5]	3000 [1415.8]	2400 [1132.7]	1800 [849.5]	3000 [1415.8]	2400 [1132.7]	1800 [849.5]	
DR ①		.25	.22	.18	.25	.22	.18	.25	.22	.18	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	90.0 [26.38] 54.4 [15.94] 5.5	86.7 [25.41] 48.3 [14.16] 5.4	83.3 [24.41] 42.1 [12.34] 5.3	83.4 [24.44] 63.0 [18.46] 5.3	80.0 [23.45] 56.8 [16.65] 5.2	76.7 [22.48] 50.6 [14.83] 5.1	74.1 [21.72] 66.8 [19.58] 5.1	70.8 [20.75] 60.6 [17.76] 5.0	67.5 [19.78] 54.5 [15.97] 4.8
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	89.5 [26.23] 53.3 [15.62] 5.8	86.1 [25.23] 47.2 [13.83] 5.7	82.8 [24.27] 41.0 [12.02] 5.5	82.8 [24.27] 61.9 [18.14] 5.6	79.5 [23.30] 55.7 [16.32] 5.5	76.2 [22.33] 49.5 [14.51] 5.4	73.6 [21.57] 65.7 [19.25] 5.4	70.3 [20.60] 59.5 [17.44] 5.3	66.9 [19.61] 53.4 [15.65] 5.1
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	88.0 [25.79] 52.4 [15.36] 6.1	84.7 [24.82] 46.2 [13.54] 6.0	81.4 [23.86] 40.0 [11.72] 5.8	81.4 [23.86] 60.9 [17.85] 5.9	78.1 [22.89] 54.7 [16.03] 5.8	74.7 [21.89] 48.6 [14.24] 5.6	72.2 [21.16] 64.7 [18.96] 5.7	68.8 [20.16] 58.6 [17.17] 5.5	65.5 [19.20] 52.4 [15.36] 5.4
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	85.9 [25.17] 51.5 [15.09] 6.4	82.6 [24.21] 45.3 [13.28] 6.2	79.2 [23.21] 39.1 [11.46] 6.1	79.3 [23.24] 60.0 [17.58] 6.2	75.9 [22.24] 53.8 [15.77] 6.1	72.6 [21.28] 47.6 [13.95] 5.9	70.0 [20.51] 63.8 [18.70] 6.0	66.7 [19.55] 57.7 [16.91] 5.8	63.4 [18.58] 51.5 [15.09] 5.7
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	83.3 [24.41] 50.5 [14.80] 6.7	80.0 [23.45] 44.3 [12.98] 6.5	76.7 [22.48] 38.2 [11.20] 6.4	76.7 [22.48] 59.0 [17.29] 6.5	73.4 [21.51] 52.9 [15.50] 6.3	70.0 [20.51] 46.7 [13.69] 6.2	67.4 [19.75] 62.9 [18.43] 6.2	64.1 [18.79] 56.7 [16.62] 6.1	60.8 [17.82] 50.5 [14.80] 6.0
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	80.5 [23.59] 49.4 [14.48] 6.9	77.2 [22.63] 43.2 [12.66] 6.8	73.9 [21.66] 37.1 [10.87] 6.7	73.9 [21.66] 57.9 [16.97] 6.8	70.6 [20.69] 51.8 [15.18] 6.6	67.2 [19.69] 45.6 [13.36] 6.5	64.7 [18.96] 61.8 [18.11] 6.5	61.3 [17.97] 55.6 [16.29] 6.4	58.0 [17.00] 49.4 [14.48] 6.3
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	77.8 [22.80] 48.1 [14.10] 7.2	74.4 [21.80] 42.0 [12.31] 7.1	71.1 [20.84] 35.8 [10.49] 7.0	71.1 [20.84] 56.7 [16.62] 7.0	67.8 [19.87] 50.5 [14.80] 6.9	64.5 [18.90] 44.3 [12.98] 6.8	61.9 [18.14] 60.5 [17.73] 6.8	58.5 [17.14] 54.3 [15.91] 6.7	55.2 [16.18] 48.2 [14.13] 6.5
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	75.2 [22.04] 46.5 [13.63] 7.5	71.9 [21.07] 40.4 [11.84] 7.4	68.6 [20.10] 34.2 [10.02] 7.2	68.6 [20.10] 55.1 [16.15] 7.3	65.3 [19.14] 48.9 [14.33] 7.2	61.9 [18.14] 42.7 [12.51] 7.1	59.3 [17.38] 58.9 [17.26] 7.1	56.0 [16.41] 52.7 [15.44] 7.0	52.7 [15.44] 46.6 [13.66] 6.8
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	73.2 [21.45] 44.6 [13.07] 7.8	69.9 [20.49] 38.4 [11.25] 7.7	66.5 [19.49] 32.2 [9.44] 7.5	66.6 [19.52] 53.1 [15.56] 7.6	63.2 [18.52] 46.9 [13.74] 7.5	59.9 [17.55] 40.7 [11.93] 7.4	57.3 [16.79] 56.9 [16.68] 7.4	54.0 [15.83] 50.8 [14.89] 7.2	50.6 [14.83] 44.6 [13.07] 7.1

GROSS SYSTEMS PERFORMANCE DATA—UKKA-A073

ENTERING INDOOR AIR @ 80°F [26.7°C]											
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		3000 [1415.8]	2400 [1132.7]	1800 [849.5]	3000 [1415.8]	2400 [1132.7]	1800 [849.5]	3000 [1415.8]	2400 [1132.7]	1800 [849.5]	
DR ①		.24	.21	.18	.24	.21	.18	.24	.21	.18	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	84.7 [24.82] 52.0 [15.24] 5.2	81.3 [23.83] 45.7 [13.39] 5.1	77.8 [22.80] 39.4 [11.55] 5.0	81.6 [23.91] 61.5 [18.02] 5.2	78.2 [22.92] 55.3 [16.21] 5.1	74.8 [21.92] 49.0 [14.36] 4.9	76.2 [22.33] 69.5 [20.37] 5.1	72.7 [21.31] 63.2 [18.52] 4.9	69.3 [20.31] 56.9 [16.68] 4.8
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	84.2 [24.68] 51.7 [15.15] 5.6	80.8 [23.68] 45.4 [13.31] 5.4	77.4 [22.68] 39.1 [11.46] 5.3	81.2 [23.80] 61.2 [17.94] 5.5	77.7 [22.77] 54.9 [16.09] 5.4	74.3 [21.78] 48.6 [14.24] 5.2	75.7 [22.19] 69.2 [20.28] 5.4	72.3 [21.19] 62.9 [18.43] 5.3	68.8 [20.16] 56.6 [16.59] 5.1
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	83.7 [24.53] 51.4 [15.06] 5.9	80.3 [23.53] 45.1 [13.22] 5.7	76.8 [22.51] 38.8 [11.37] 5.6	80.6 [23.62] 60.9 [17.85] 5.8	77.2 [22.63] 54.6 [16.00] 5.7	73.8 [21.63] 48.4 [14.18] 5.6	75.1 [22.01] 68.9 [20.19] 5.7	71.7 [21.01] 62.6 [18.35] 5.6	68.3 [20.02] 56.3 [16.50] 5.5
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	82.9 [24.30] 51.1 [14.98] 6.2	79.5 [23.30] 44.8 [13.13] 6.1	76.1 [22.30] 38.5 [11.28] 5.9	79.9 [23.42] 60.6 [17.76] 6.2	76.5 [22.42] 54.3 [15.91] 6.0	73.0 [21.39] 48.0 [14.07] 5.9	74.4 [21.80] 68.6 [20.10] 6.0	71.0 [20.81] 62.3 [18.26] 5.9	67.6 [19.81] 56.0 [16.41] 5.8
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	81.8 [23.97] 50.6 [14.83] 6.5	78.4 [22.98] 44.3 [12.98] 6.4	75.0 [21.98] 38.0 [11.14] 6.3	78.8 [23.09] 60.1 [17.61] 6.5	75.4 [22.10] 53.9 [15.80] 6.3	71.9 [21.07] 47.6 [13.95] 6.2	73.3 [21.48] 68.1 [19.96] 6.4	69.9 [20.49] 61.8 [18.11] 6.2	66.4 [19.46] 55.5 [16.27] 6.1
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	80.2 [23.50] 49.9 [14.62] 6.8	76.8 [22.51] 43.6 [12.78] 6.7	73.4 [21.51] 37.4 [10.96] 6.6	77.2 [22.63] 59.5 [17.44] 6.8	73.7 [21.60] 53.2 [15.59] 6.7	70.3 [20.60] 46.9 [13.75] 6.5	71.7 [21.01] 67.4 [19.75] 6.7	68.2 [19.99] 61.1 [17.91] 6.6	64.8 [18.99] 54.9 [16.09] 6.4
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	77.9 [22.83] 48.9 [14.33] 7.2	74.5 [21.83] 42.6 [12.48] 7.0	71.1 [20.84] 36.4 [10.67] 6.9	74.9 [21.95] 58.5 [17.14] 7.1	71.4 [20.93] 52.2 [15.30] 7.0	68.0 [19.93] 45.9 [13.45] 6.9	69.4 [20.34] 66.4 [19.46] 7.0	66.0 [19.34] 60.1 [17.61] 6.9	62.5 [18.32] 53.9 [15.80] 6.8
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	74.8 [21.92] 47.5 [13.92] 7.5	71.4 [20.93] 41.2 [12.07] 7.4	67.9 [19.90] 35.0 [10.26] 7.2	71.7 [21.01] 57.1 [16.73] 7.4	68.3 [20.02] 50.8 [14.89] 7.3	64.9 [19.02] 44.5 [13.04] 7.2	66.2 [19.40] 65.0 [19.05] 7.3	62.8 [18.40] 58.7 [17.20] 7.2	59.4 [17.41] 52.5 [15.39] 7.1
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	70.7 [20.72] 45.6 [13.36] 7.8	67.2 [19.69] 39.3 [11.52] 7.7	63.8 [18.70] 33.0 [9.67] 7.6	67.6 [19.81] 55.2 [16.18] 7.8	64.2 [18.82] 48.9 [14.33] 7.6	60.8 [17.82] 42.6 [12.48] 7.5	62.1 [18.20] 62.1 [18.20] 7.7	58.7 [17.20] 56.8 [16.65] 7.5	55.3 [16.21] 50.6 [14.83] 7.4

DR —Depression ratio
dbE—Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power—KW input

NOTES:

① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—UKKA-A085

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		3560 [1680.1]	2850 [1345.1]	2140 [1010.0]	3560 [1680.1]	2850 [1345.1]	2140 [1010.0]	3560 [1680.1]	2850 [1345.1]	2140 [1010.0]	
DR ①		.16	.12	.07	.16	.12	.07	.16	.12	.07	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	102.3 [29.97]	98.2 [28.77]	94.2 [27.60]	95.7 [28.04]	91.6 [26.84]	87.6 [25.67]	92.9 [27.22]	88.9 [26.05]	84.8 [24.85]
		Sens BTUH [kW]	64.5 [18.90]	56.6 [16.58]	48.7 [14.27]	75.6 [22.15]	67.7 [19.84]	59.8 [17.52]	87.2 [25.55]	79.2 [23.21]	71.3 [20.90]
		Power	6.6	6.4	6.2	6.5	6.3	6.1	6.4	6.2	6.1
	80 [26.7]	Total BTUH [kW]	101.9 [29.86]	97.8 [28.66]	93.7 [27.45]	95.3 [27.92]	91.2 [26.72]	87.1 [25.52]	92.5 [27.10]	88.4 [25.90]	84.4 [24.73]
		Sens BTUH [kW]	64.6 [18.93]	56.7 [16.61]	48.8 [14.30]	75.8 [22.21]	67.9 [19.89]	59.9 [17.55]	87.3 [25.58]	79.4 [23.26]	71.4 [20.92]
		Power	7.0	6.8	6.7	6.9	6.7	6.5	6.8	6.6	6.5
	85 [29.4]	Total BTUH [kW]	101.5 [29.74]	97.4 [28.54]	93.3 [27.34]	94.9 [27.81]	90.8 [26.60]	86.8 [25.43]	92.1 [26.99]	88.1 [25.81]	84.0 [24.61]
		Sens BTUH [kW]	64.8 [18.99]	56.9 [16.67]	49.0 [14.36]	75.9 [22.24]	68.0 [19.92]	60.1 [17.61]	87.4 [25.61]	79.5 [23.29]	71.6 [20.98]
		Power	7.4	7.2	7.1	7.3	7.1	6.9	7.2	7.0	6.9
	90 [32.2]	Total BTUH [kW]	101.0 [29.59]	96.9 [28.39]	92.8 [27.19]	94.4 [27.66]	90.3 [26.46]	86.3 [25.29]	91.6 [26.84]	87.6 [25.67]	83.5 [24.47]
		Sens BTUH [kW]	64.9 [19.02]	56.9 [16.67]	49.0 [14.36]	76.0 [22.27]	68.1 [19.95]	60.1 [17.61]	87.5 [25.64]	79.6 [23.32]	71.7 [21.01]
		Power	7.8	7.6	7.5	7.7	7.5	7.3	7.6	7.4	7.3
	95 [35]	Total BTUH [kW]	100.2 [29.36]	96.1 [28.16]	92.0 [26.96]	93.6 [18.06]	89.5 [26.22]	85.5 [25.05]	90.8 [26.60]	86.8 [25.43]	82.7 [24.23]
		Sens BTUH [kW]	64.7 [18.96]	56.8 [16.64]	48.9 [14.33]	75.8 [22.21]	67.9 [19.89]	60.0 [17.58]	87.4 [25.61]	79.4 [23.26]	71.5 [20.95]
		Power	8.2	8.0	7.9	8.1	7.9	7.7	8.0	7.9	7.7
	100 [37.8]	Total BTUH [kW]	98.9 [28.98]	94.9 [27.81]	90.8 [26.60]	92.4 [27.07]	88.3 [25.87]	84.2 [24.67]	89.6 [26.25]	85.5 [25.05]	81.4 [23.85]
		Sens BTUH [kW]	64.2 [18.81]	56.3 [16.50]	48.4 [14.18]	75.4 [22.09]	67.4 [19.75]	59.5 [17.43]	86.9 [25.46]	78.9 [23.12]	71.0 [20.81]
		Power	8.6	8.4	8.3	8.5	8.3	8.2	8.4	8.3	8.1
	105 [40.6]	Total BTUH [kW]	97.0 [28.42]	93.0 [27.25]	88.9 [26.05]	90.5 [26.52]	86.4 [25.32]	82.3 [24.11]	87.7 [25.70]	83.6 [24.50]	79.6 [23.32]
		Sens BTUH [kW]	63.3 [18.55]	55.3 [16.20]	47.4 [13.89]	74.4 [21.80]	66.5 [19.48]	58.6 [17.17]	85.9 [25.17]	78.0 [22.85]	70.1 [20.54]
		Power	9.0	8.8	8.7	8.9	8.7	8.6	8.8	8.7	8.5
	110 [43.3]	Total BTUH [kW]	94.4 [27.66]	90.3 [26.46]	86.2 [25.26]	87.8 [25.73]	83.7 [24.52]	79.6 [23.32]	85.0 [24.91]	80.9 [23.70]	76.9 [22.53]
		Sens BTUH [kW]	61.7 [18.08]	53.8 [15.76]	45.9 [13.45]	72.9 [21.36]	64.9 [19.02]	57.0 [16.70]	84.4 [24.73]	76.4 [22.39]	68.5 [20.07]
		Power	9.4	9.3	9.1	9.3	9.1	9.0	9.2	9.1	8.9
	115 [46.1]	Total BTUH [kW]	90.7 [26.58]	86.6 [25.37]	82.6 [24.20]	84.1 [24.64]	80.1 [23.47]	76.0 [22.27]	81.4 [23.85]	77.3 [22.65]	73.2 [21.45]
		Sens BTUH [kW]	59.5 [17.43]	51.6 [15.12]	43.6 [12.77]	70.6 [20.69]	62.7 [18.37]	54.8 [16.06]	81.4 [23.85]	74.2 [21.74]	66.3 [19.43]
		Power	9.8	9.7	9.5	9.7	9.5	9.4	9.6	9.5	9.3

DR —Depression ratio
dbE—Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power—KW input

NOTES:

① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions

ACCESSORY EQUIPMENT

Accessory Description	Model Application 3 to 6 Ton [10.6 to 21.1 kW]	Accessory Model No. 3 to 6 Ton [10.6 to 21.1 kW]	Factory Installed Option Codes 3 to 6 Ton [10.6 to 21.1 kW]	Accessory Model No. 7.5 Ton [26.4 kW]	Factory Installed Option Codes 7.5 Ton [26.4 kW]
Roofcurb 14"	UKMA-/UKKA-	RXKG-BAD14		RXKG-BAD14	
Roofcurb 24"	UKMA-/UKKA-	RXKG-BAD24		RXKG-BAD24	
Roofcurb Adapters	UKMA-/UKKA-	RXXR-BBCDB21 RXXR-BBCDB22 RXXR-BBCDB23		RXXR-CCCE50	
Economizer with Outdoor Air	UKMA-/UKKA-	RXRD-ECCM2	973 ⑥	RXRD-ECCM2	973 ⑥
Economizer with Single Enthalpy	UKMA-/UKKA-	RXRD-ECCM3	971 ⑥	RXRD-ECCM3	971 ⑥
Economizer with Dual Enthalpy	UKMA-/UKKA-	RXRD-ECCM4	972 ⑥	RXRD-ECCM4	972 ⑥
CO ₂ Sensor Only	UKMA-/UKKA-	RXXR-AR01		RXXR-AR01	
Power Exhaust	UKMA-/UKKA-	RXXR-BFF04 (C,D, or Y)	Pending	RXXR-BFF03 (C,D, or Y)	Pending
Fresh Air Damper Manual	UKMA-/UKKA-	RXRF-FBA1		RXRF-FCA1	
Fresh Air Damper Motorized	UKMA-/UKKA-	RXRF-FBB1		RXRF-FCB1	
Rectangular to Round 18" Duct Adapters for Concentric Diffuser	UKMA-/UKKA-	RXMC-CB03		N/A	
Rectangular to Round 20" Duct Adapters for Concentric Diffuser	UKMA-/UKKA-	RXMC-CB04		RXMC-CC04	
Concentric Diffuser 18" Step	UKMA-/UKKA-	RXRN-FA60		N/A	
Concentric Diffuser 18" Flush	UKMA-/UKKA-	RXRN-FA70		N/A	
Concentric Diffuser 20" Step	UKMA-/UKKA-	RXRN-FA65		RXRN-FA65	
Concentric Diffuser 20" Flush	UKMA-/UKKA-	RXRN-FA75		RXRN-FA75	
Rectangular to Round 16" Side	UKMA-/UKKA-	RXMC-BB01		N/A	
Louver Kit (2 Sides)	UKKA-A036/A042	RXXR-AAD01A	597	N/A	
Louver Kit (3 Sides)	UKKA-A048/A060/A072/A073 All UKMA- Models	RXXR-AAD01B	597	RXXR-AAD01B	597
High Pressure Control	UKKA-	RXAB-A02		RXAB-A05	D01
Low Pressure Control	UKKA-	RXAC-A02		RXAC-A05	D01
Time Delay	UKMA-/UKKA-	RXMD-B01	595	RXMD-B04	595
Low Ambient Control to 0°F [-18°C]	UKMA-/UKKA-	RXRZ-A18	571	RXRZ-A85	571
High and Low Pressure and Time Delay ④	UKKA-		L10		L10
Side Supply/Return Configuration ④	UKMA-/UKKA-		589		589
Louver Panels/Side Supply ④	UKMA-/UKKA-		D18		D18
LP Conversion Kits for use with White Rodgers Gas Valve	UKMA-/UKKA-	RXGJ-EP84W		RXGJ-EP84W	
LP Conversion Kits for use with Honeywell Gas Valve	UKMA-/UKKA-	RXGJ-EP85H		RXGJ-EP85H	
LP Conversion Kits for use with Two-Stage Gas Valve	UKKA-A085**13T	RXGJ-EP86W		RXGJ-EP86W	
Canadian High Altitude Kit (for Natural Gas Only) ⑤	UKMA-/UKKA-	RXXR-AH01		RXXR-AH01	

*Voltage J = 208/230 VAC-1PH-60HZ D = 460 VAC-3PH-60HZ
C = 208/230 VAC-3PH-60HZ Y = 575 VAC-3PH-60HZ

NOTES: ① Ships from factory as side supply/return.
② Factory mounted double option with both factory mounted louver panels and side supply/return.
③ Factory installed option includes both high and low pressure controls.

④ Factory mounted triple option.

⑤ If a particular unit is to be converted to operate on LP (propane) for elevations above 2000 ft. in Canada, the existing Natural Gas to LP Conversion Kits for the subject models already contain the necessary orifices and instructions to de-rate the input for 2000-4500 ft. Canadian applications.

⑥ Factory Mounted Economizer, only available for EEC, & ECC models in downflow air configuration.

Roofcurb Adapters

Old Models

MEDIUM CABINET (3 TON [11 kW])

(-)SNC, (-)SND, (-)SNE
(-)RGE, (-)RGF, (-)RGG
(-)PNC, (-)PND

LARGE CABINET

(3-3 1/2 TON [11-12 kW])
(-)RGE, (-)RGF, (-)RGG,
(-)RGH (3 TON [11 kW])

EXTRA LARGE CABINET

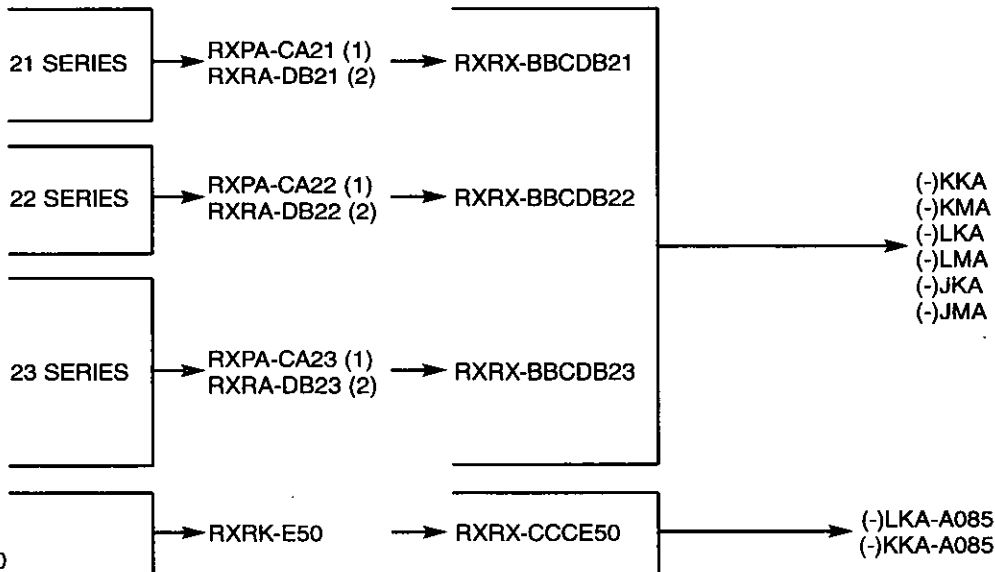
(3 1/2-5 TON [12-18 kW])
(-)SNC, (-)SND, (-)SNE
(-)RGE, (-)RGF,
(-)RGG (4-5 TON [14-18 kW])
(-)PNC, (-)PND, (-)RGH
(3 1/2, 4 TON [12-14 kW])

COMMERCIAL PACKAGE UNIT

(6.5 & 7.5 TON [23-26 kW])
(-)RCF, (-)REF, (-)RGF131 & 201, RGF150

OLD CURB MODEL ROOFCURB ADAPTER

NEW MODEL



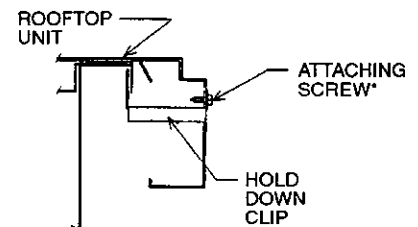
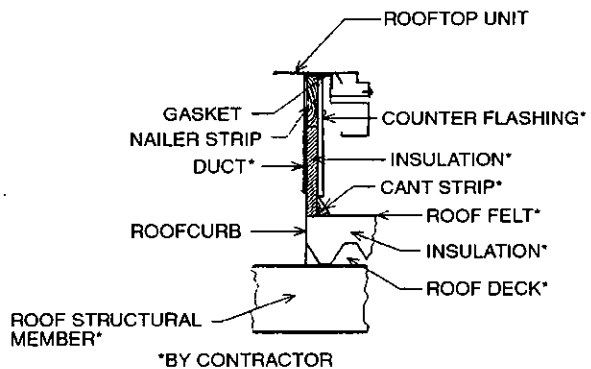
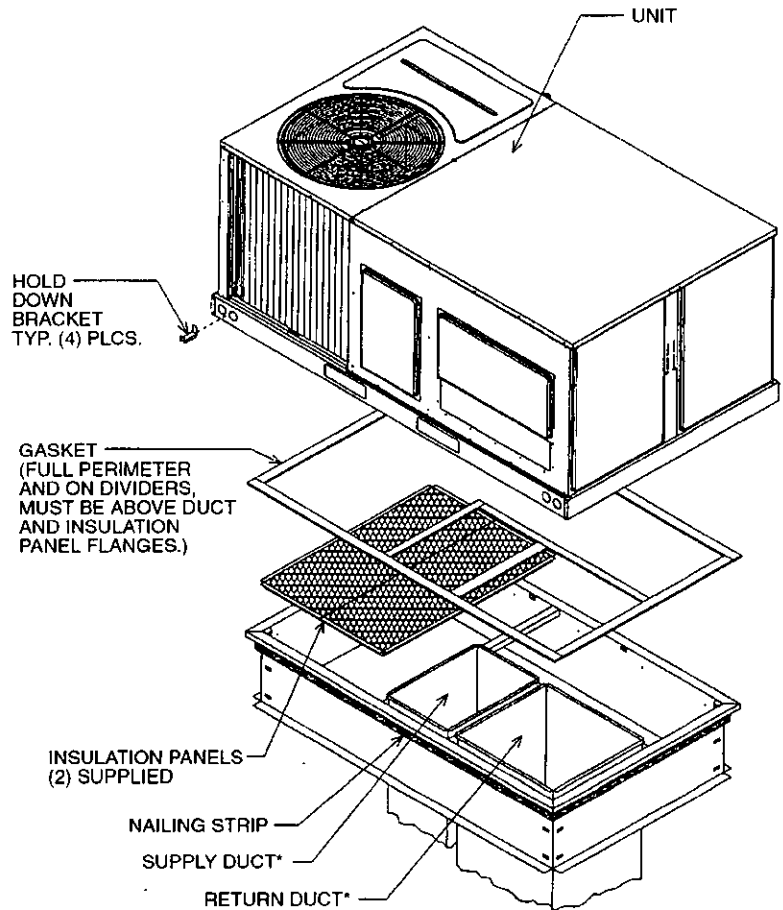
(1) SLOPE TYPE (2) FULL PERIMETER TYPE

ROOFCURBS (Full Perimeter)

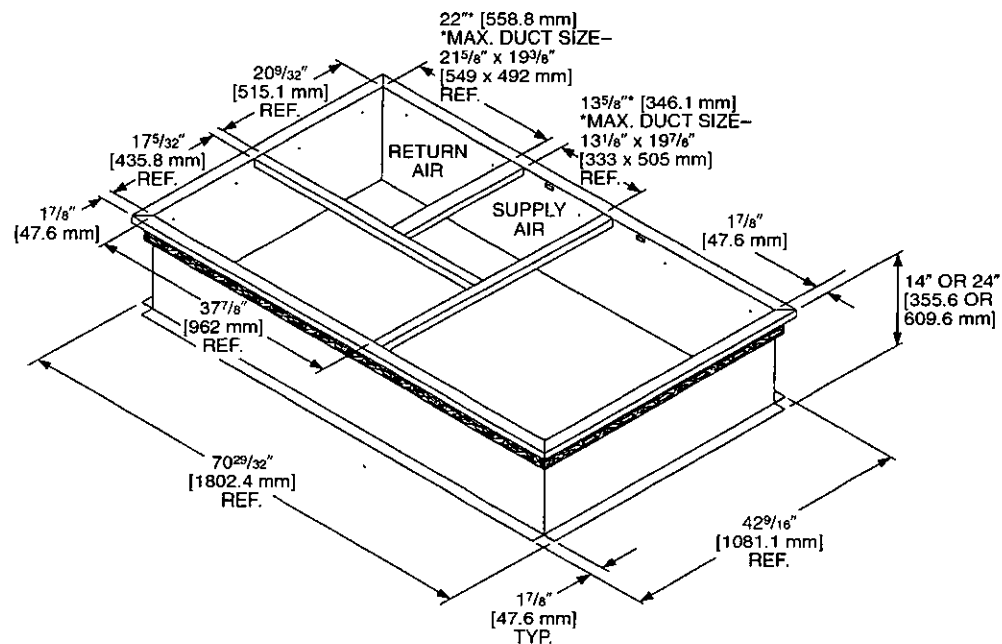
- Ruud's new roofcurb design can be utilized on 3 through 7.5 ton [10.6-26.4 kW] models.
- Two available heights (14" [356 mm] and 24" [610 mm]) for ALL models.
- Quick assembly corners for simple and fast assembly.
- Opening provided in bottom pan to match the "Thru the Curb" electrical connection opening provided on the unit base pan.
- 2" [51 mm] x 4" [102 mm] Nailer provided.
- Insulating panels provided.
- Sealing gasket (28" [711 mm]) provided with Roofcurb.
- Packaged for easy field assembly.

Roofcurb Model	Height of Curb
RXKG-BAD14	14" [356 mm]
RXKG-BAD24	24" [610 mm]

TYPICAL INSTALLATION

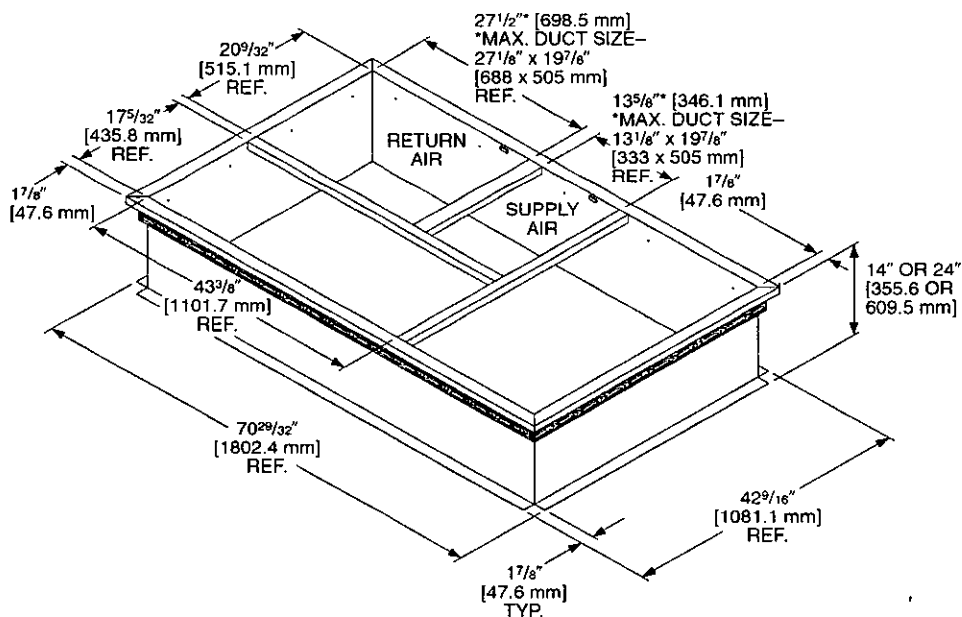


ROOFCURBS (Cont.)



**ROOFCURB FOR 3-6 TON
[10.6-21.1 kW] MODELS**

ROOFCURB FOR 7.5 TON [26.4 kW] MODELS



ECONOMIZERS

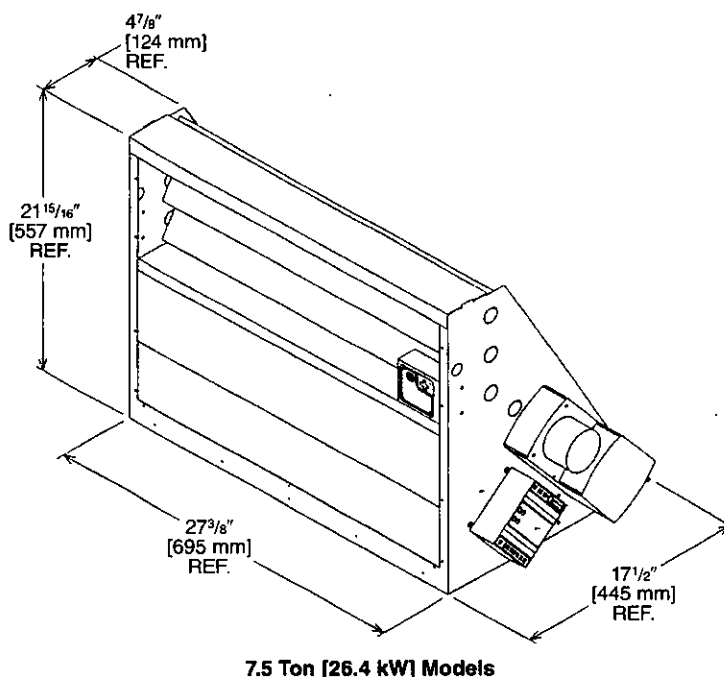
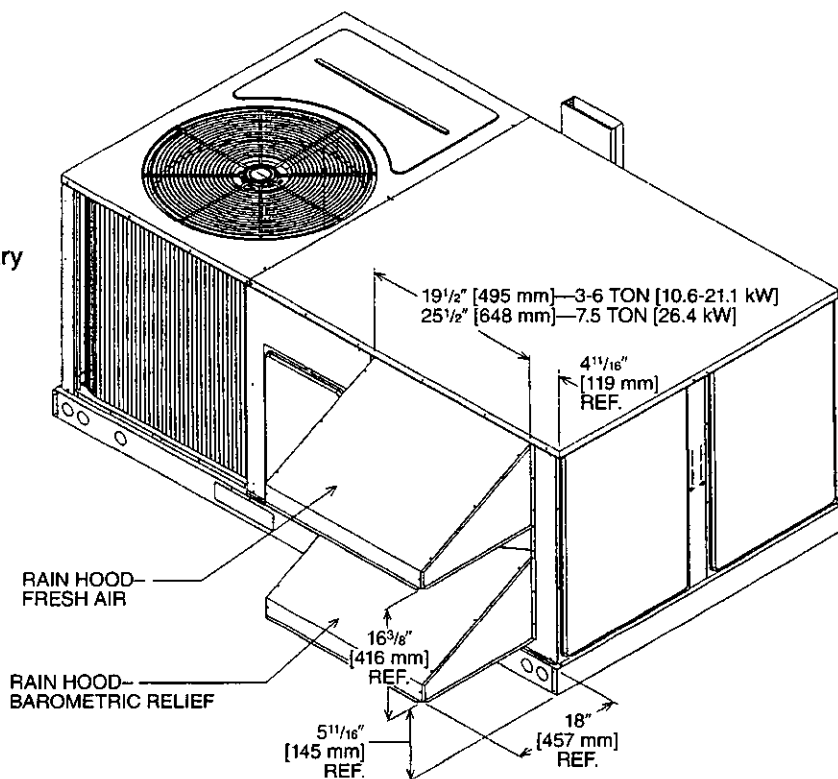
RXRD-EECM2—3-6 Ton [10.6-21.1 kW] Models Outdoor Air
RXRD-ECCM2—7.5 Ton [26.4 kW] Models

RXRD-EECM3—3-6 Ton [10.6-21.1 kW] Models Single Enthalpy (Outdoor)
RXRD-ECCM3—7.5 Ton [26.4 kW] Models

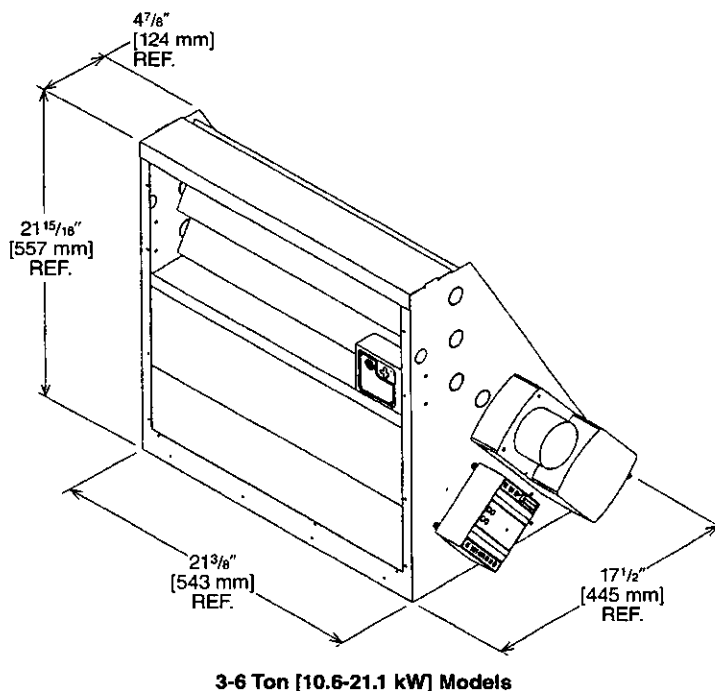
RXRD-EECM4—3-6 Ton [10.6-21.1 kW] Models Dual Enthalpy (Indoor & Outdoor)
RXRD-ECCM4—7.5 Ton [26.4 kW] Models

RXRX-AJ01—3-7.5 Ton [10.6-26.4 kW] Models Optional CO₂ Sensor

- Features Johnson Controls Digital Controller
- Available factory installed or field accessory
- Gear Driven Direct Drive Actuator
- Fully Modulating (0-100%)
- Low Leakage Dampers
- Horizontal or Downflow Applications
- Slip-In Design for Easy Installations
- Plug-In Polarized 12-pin Electrical Connections
- Self-configuring—No Field Adjustments Necessary
- Standard Barometric Relief Damper Provided
- Dry Bulb, Single Enthalpy, Dual Enthalpy, Models Available with or without Power Exhaust
- CO₂ Input Sensor Available



7.5 Ton [26.4 kW] Models



3-6 Ton [10.6-21.1 kW] Models

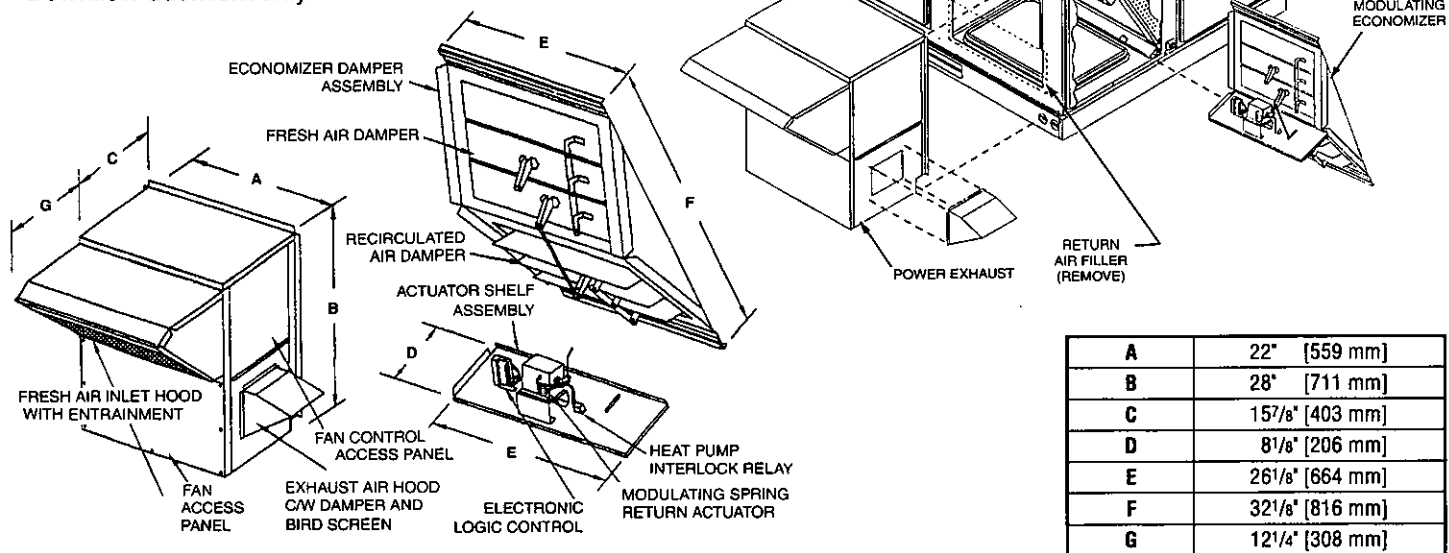
ECONOMIZER WITH POWER EXHAUST

3 TO 6 TON [10.6 TO 21.1 kW]
MODELS ONLY

R X R D — D B C M2

Voltage
J = 208/230 VAC-1PH-60HZ
C = 208/230 VAC-3PH-60HZ
D = 480 VAC-3PH-60HZ
Y = 575 VAC-3PH-60HZ

- Features **Honeywell controls**.
- Controlled by enthalpy sensor monitoring outside air enthalpy, adjustable minimum position, power exhaust fan activates at 80% open. Linkage driven.
- All models ship set up for 5 ton configurations. Drive adjustments needed for other models.
- Additional power supply required.
- Downflow ductwork only.



Nom. Tons [kW]	CFM [L/s]	ESP	HP [W]	RPM	Blower	Full Load Amps			
						J 208/240/1	C 208/240/3	D 480/3	Y 575/3
3 [10.55]	900 [425]	0.375	3/4 [559]	730	9/7	5.44	2.11	0.95	0.78
3.5 [12.31]	1050 [496]	0.375	3/4 [559]	740	9/7	5.44	2.11	0.95	0.78
4 [14.07]	1200 [566]	0.375	3/4 [559]	770	9/7	5.44	2.11	0.95	0.78
5 [17.58]	1500 [708]	0.375	3/4 [559]	850	9/7	5.44	2.11	0.95	0.78
6 [21.10]	1800 [850]	0.375	3/4 [559]	950	9/7	5.44	2.11	0.95	0.78

ECONOMIZER (HORIZONTAL ONLY)

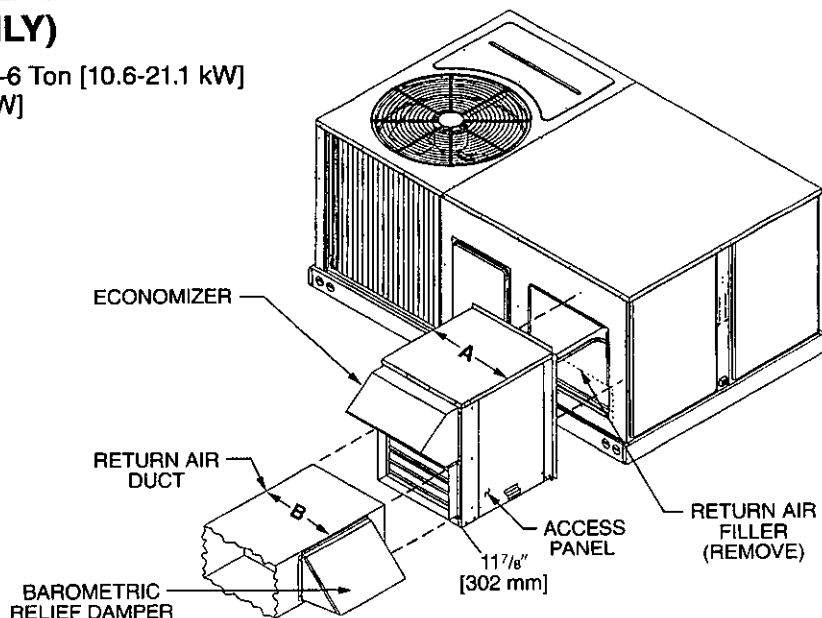
RXRD-CCM10 (fully modulating from 0-100%) 3-6 Ton [10.6-21.1 kW]

RXRD-CEM10 (fully modulating) 7.5 Ton [26.4 kW]

A In. [mm]	B In. [mm]	Size Tons [kW]
20 1/8 [511]	18 [457]	3-6 [10.6-21.1]
26 1/8 [663]	24 [610]	7.5 [26.4]

APPLICATION TIPS

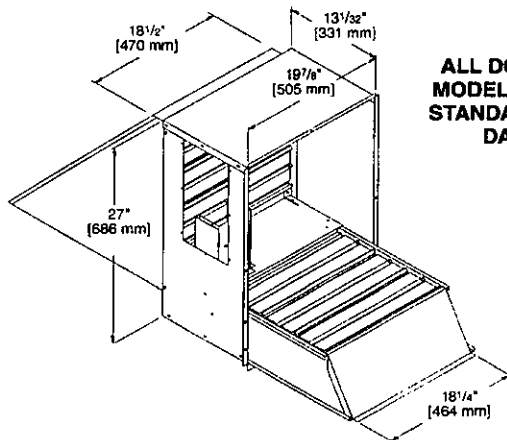
This field installed economizer is fully modulating and features **Honeywell Controls**. The **RXRD-CCM10** should be used if installing on any 3-6 ton [10.6-21.1 kW] package unit with date code F1299 or earlier. If RXRD-EECM economizers are used, a separate 24V circuit must be routed in the field on units with date codes prior to F1299.



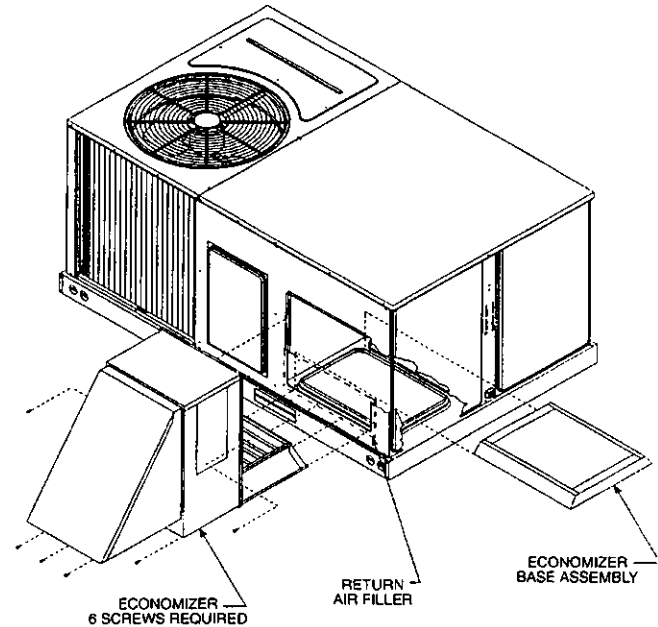
ECONOMIZERS (DOWNFLOW ONLY)

RXRD-CBM10 (fully modulating)

3 TO 6 TON [10.6 TO 21.1 kW]
MODELS ONLY



ALL DOWNFLOW
MODELS INCLUDE
STANDARD RELIEF
DAMPER



APPLICATION TIPS

This field installed economizer is fully modulating and features **Honeywell Controls**. The **RXRD-CBM10** should be used if installing on any 3-6 ton [10.6-21.1 kW] package unit with date code F1299 or earlier. If RXRD-EECM economizers are used, a separate 24V circuit must be routed in the field on units with date codes prior to F1299.

ECONOMIZER WITH INTEGRAL POWER EXHAUST (FIELD INSTALLED ONLY)

RXRX-BFF04C—3-6 Ton [10.6-21.1 kW] Models 208/230 V, 3 PH, 60 Hz

RXRX-BFF04D—3-6 Ton [10.6-21.1 kW] Models 460 V, 3 PH, 60 Hz

RXRX-BFF04Y—3-6 Ton [10.6-21.1 kW] Models 575 V, 3 PH, 60 Hz

RXRX-BFF03C—7.5 Ton [26.4 kW] Models 208/230 V, 3 PH, 60 Hz

RXRX-BFF03D—7.5 Ton [26.4 kW] Models 460 V, 3 PH, 60 Hz

RXRX-BFF03Y—7.5 Ton [26.4 kW] Models 575 V, 3 PH, 60 Hz

- Features **Johnson Controls** digital controller.
- Downflow or horizontal applications.

COMING SOON!

FRESH AIR DAMPER

3 to 6 Ton [10.6 to 21.1 kW] Models

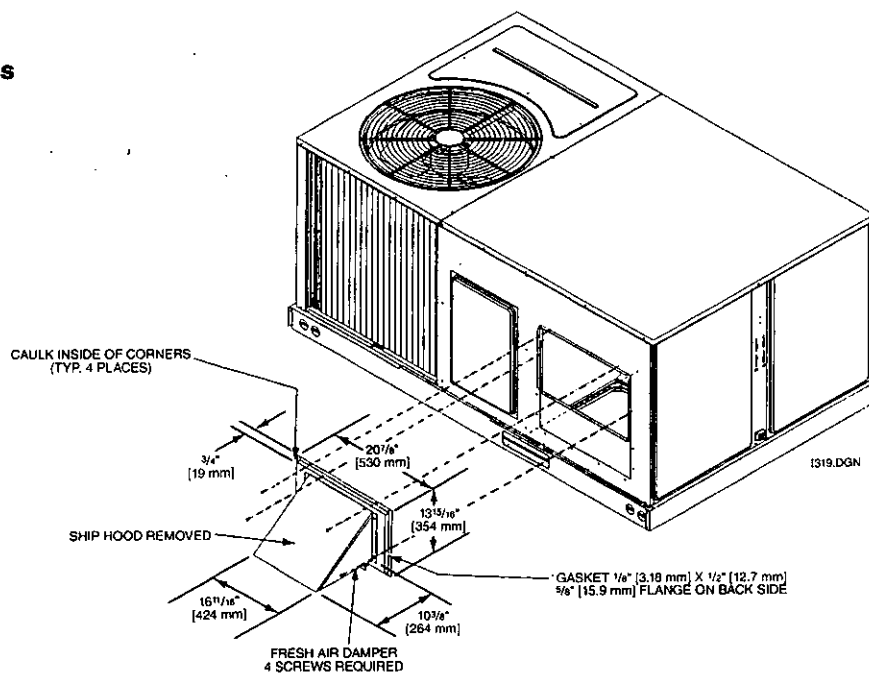
RXRF-FBA1 (Manual)

RXRF-FBB1 (Motorized)

7.5 Ton [26.4 kW] Models

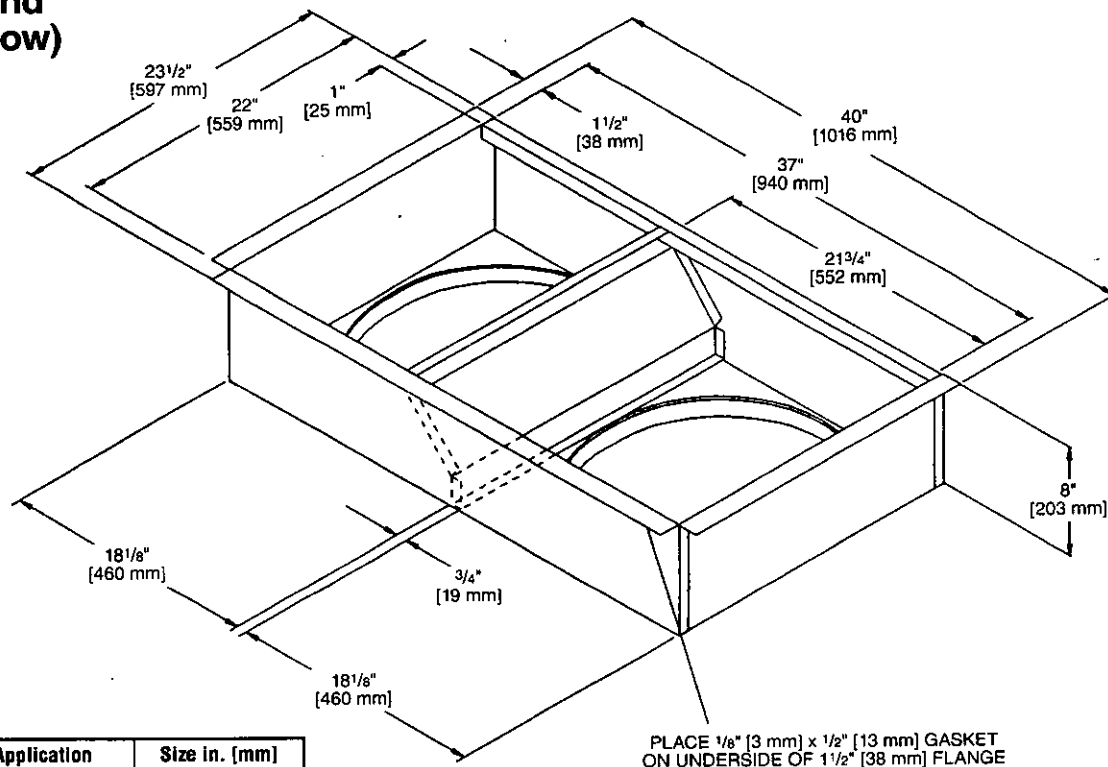
RXRF-FCA1 (Manual)

RXRF-FCB1 (Motorized)



DUCT ADAPTERS Rectangular to Round Transitions (Downflow)

Two sizes available
(18" [457 mm] and
20" [508 mm] round)
fit all units. Drops
into and secures to
RXKG- Series Roofcurbs.
**For use with
Concentric Diffusers.**



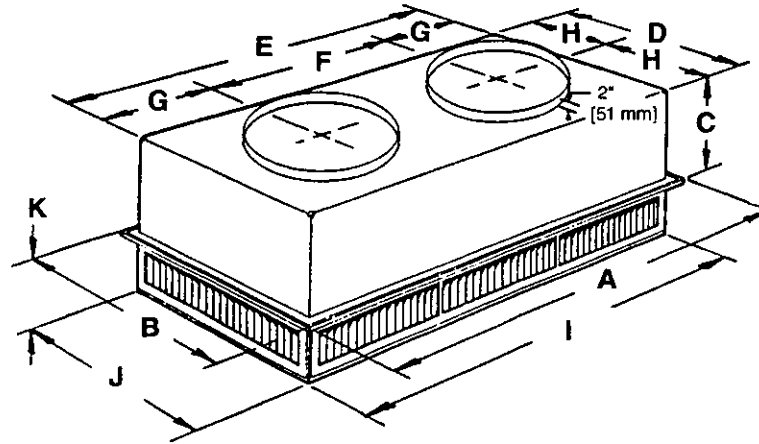
Accessory Model No.	Model Application	Size in. [mm]
RXMC-CB03	3-6 Tons [10.6-21.1 kW]	18 [457] Round
RXMC-CB04	3-6 Tons [10.6-21.1 kW]	20 [508] Round
RXMC-CC04	7.5 Tons [26.4 kW]	20 [508] Round

[] Designates Metric Conversions

SIDE DISCHARGE CONCENTRIC DIFFUSER

RXRN-FA60 (3 to 6 Ton [10.6 to 21.1 kW] Models)
 RXRN-FA65 (3 to 7.5 Ton [10.6 to 26.4 kW] Models)

For Use With Duct Adapter (RXMC)



DIMENSIONAL DATA

Model No.	A	B	C	D	E	F	G	H	I	J	K	Duct Size
RXRN-FA60	47 ⁵ / ₈ " [1210 mm]	23 ⁵ / ₈ " [600 mm]	11 ³ / ₈ " [289 mm]	21 ¹ / ₂ " [546 mm]	45 ¹ / ₂ " [1156 mm]	22 ¹ / ₂ " [572 mm]	11 ¹ / ₂ " [292 mm]	10 ³ / ₄ " [273 mm]	45 ¹ / ₂ " [1156 mm]	21 ¹ / ₂ " [546 mm]	7 ¹ / ₈ " [181 mm]	18RD
RXRN-FA65	47 ⁵ / ₈ " [1210 mm]	29 ⁵ / ₈ " [752 mm]	14 ³ / ₈ " [365 mm]	27 ¹ / ₂ " [699 mm]	45 ¹ / ₂ " [1156 mm]	22 ¹ / ₂ " [572 mm]	11 ¹ / ₂ " [292 mm]	13 ³ / ₄ " [349 mm]	45 ¹ / ₂ " [1156 mm]	27 ¹ / ₂ " [699 mm]	8 ¹ / ₈ " [206 mm]	20RD

ENGINEERING DATA

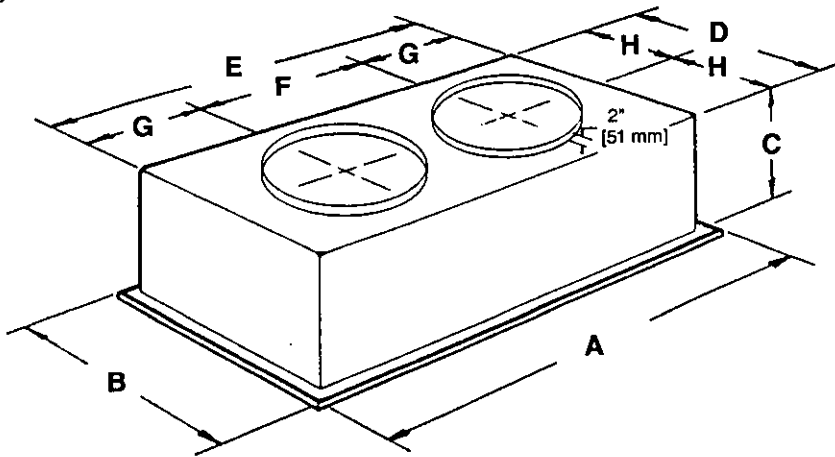
Model No.	CFM [L/s]	Static Pressure	Throw Feet	Neck Vel.	Jet Vel.	Noise Level
RXRN-FA60	1000 [472]	.14	10-17	351	351	20
	1200 [566]	.17	11-18	421	421	20
	1400 [661]	.20	12-19	491	491	20
	1600 [755]	.24	12-20	561	561	20
	1800 [850]	.30	13-21	632	632	20
	2000 [944]	.36	14-23	702	702	20
	2200 [1038]	.40	16-25	772	772	20
RXRN-FA65	2600 [1227]	.17	24-29	669	669	20
	2800 [1321]	.20	25-30	720	720	25
	3000 [1416]	.25	27-33	772	772	25
	3200 [1510]	.31	28-35	823	823	25
	3400 [1605]	.37	30-37	874	874	30

[] Designates Metric Conversions

FLUSH MOUNT CONCENTRIC DIFFUSER

RXRN-FA70 (3 to 6 Ton [10.6 to 21.1 kW] Models)
RXRN-FA75 (3 to 7.5 Ton [10.6 to 26.4 kW] Models)

For Use With Duct Adapter (RXMC)



DIMENSIONAL DATA

Model No.	A	B	C	D	E	F	G	H	I	J	K	Duct Size
RXRN-FA70	47 ⁵ / ₈ " [1210 mm]	23 ⁵ / ₈ " [600 mm]	13 ¹ / ₂ " [343 mm]	21" [533 mm]	45" [1143 mm]	22 ¹ / ₂ " [572 mm]	11 ¹ / ₄ " [286 mm]	10 ¹ / ₂ " [267 mm]	45 ¹ / ₂ " [1156 mm]	21 ¹ / ₂ " [546 mm]	7 ¹ / ₈ " [181 mm]	18RD
RXRN-FA75	47 ⁵ / ₈ " [1210 mm]	29 ⁵ / ₈ " [752 mm]	16 ⁵ / ₈ " [422 mm]	27" [686 mm]	45" [1143 mm]	22 ¹ / ₂ " [572 mm]	11 ¹ / ₄ " [286 mm]	13 ¹ / ₂ " [343 mm]	45 ¹ / ₂ " [1156 mm]	27 ¹ / ₂ " [699 mm]	8 ¹ / ₈ " [206 mm]	20RD

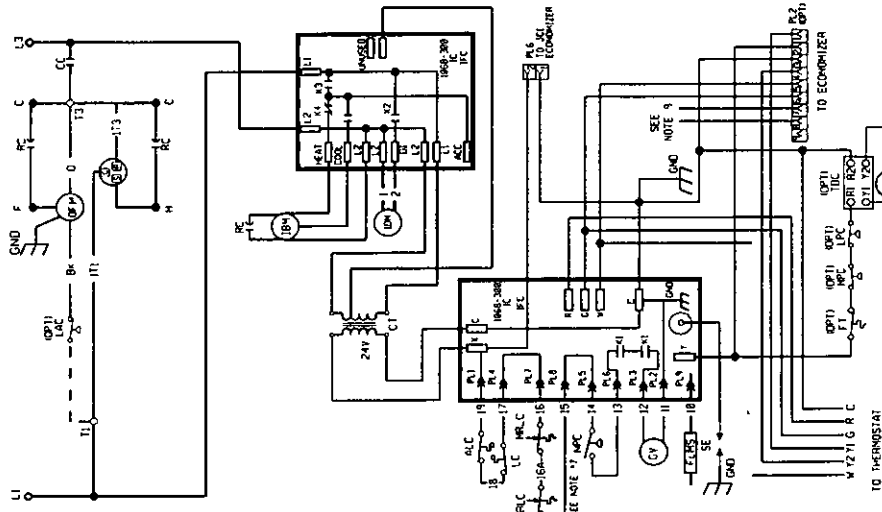
ENGINEERING DATA

Model No.	CFM [L/s]	Static Pressure	Throw Feet	Neck Vel.	Jet Vel.	Noise Level
RXRN-FA70	1000 [472]	.14	15-20	391	694	20
	1200 [566]	.17	16-22	469	833	25
	1400 [661]	.20	17-24	547	972	30
	1600 [755]	.24	18-25	625	1111	30
	1800 [850]	.30	20-28	703	1250	35
	2000 [944]	.36	21-29	781	1389	40
	2200 [1038]	.40	22-30	859	1528	40
RXRN-FA75	2600 [1227]	.17	19-24	663	1294	30
	2800 [1321]	.20	20-28	714	1393	35
	3000 [1416]	.25	21-29	765	1492	35
	3200 [1510]	.31	22-29	816	1592	40
	3400 [1605]	.37	22-30	867	1692	40

[] Designates Metric Conversions

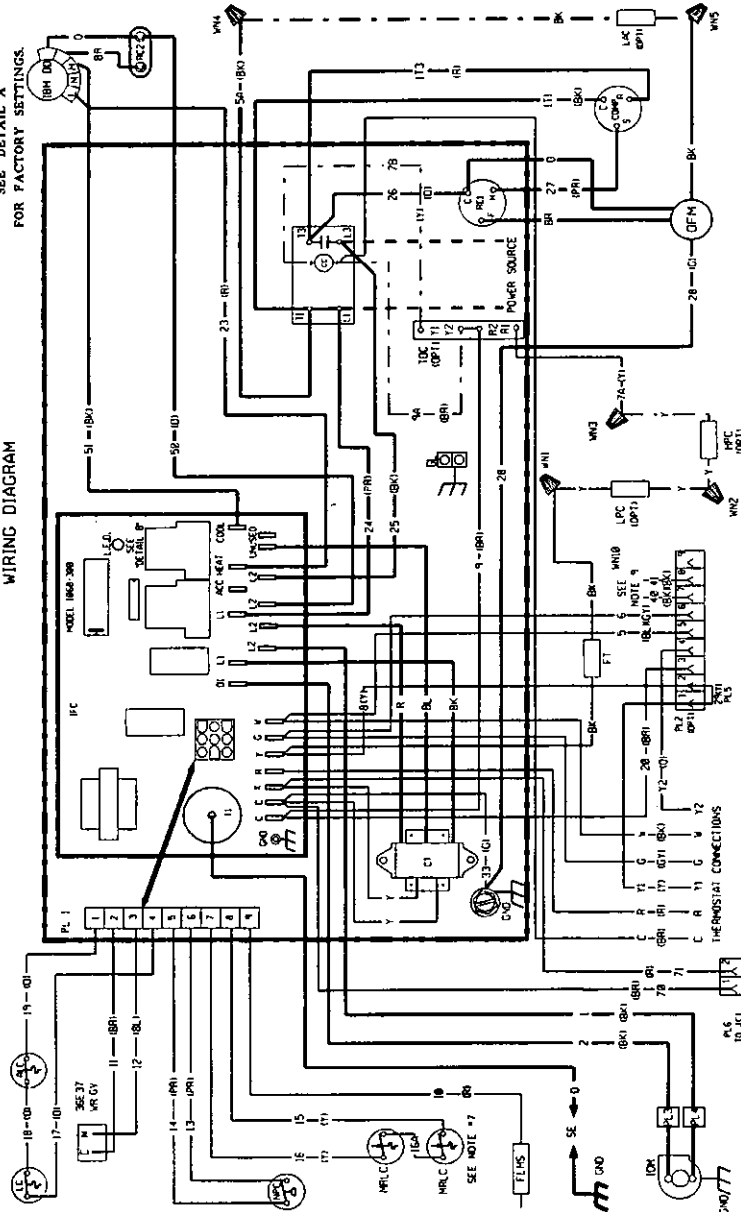
TYPICAL WIRING SCHEMATICS

WIRING SCHEMATIC



SEE 'DETAIL A' FOR FACTORY SETTINGS.

WIRING DIAGRAM



DETAIL - 'A'

DIFFERENT SPEEDS FOR COOLING & HEATING

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'B'

DIAGNOSTICS

- FLASH - FAILED TO DETECT OR SUSTAIN FLAME.
- FLASH - PRESSURE SWITCH OR INDEXER PROBLEM DETECTED.
- FLASH - HIGH LIMIT SWITCH PROTECTION DEVICE OPEN.
- FLASH - FLAME SENSED AND GAS VALVE NOT ENERGIZED OR FLAME SENSED AND NO "V" SIGNAL.
- FLASH - FLAME ROLL OUT SWITCH OPEN.

DETAIL - 'C'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'D'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'E'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'F'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'G'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'H'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'I'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'J'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'K'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'L'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'M'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'N'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'O'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'P'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'Q'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'R'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'S'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'T'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'U'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'V'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'W'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'X'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'Y'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

DETAIL - 'Z'

FACTORY SET BLOWER SPEED

MODEL	COOL	HEAT
3.0T W/120K HEAT	LOW	LOW
3.5T W/120K HEAT	LOW	LOW
4.0T W/120K HEAT	LOW	LOW
4.5T W/120K HEAT	LOW	LOW
5.0T W/120K HEAT	LOW	LOW

COMPONENT CODE

ALC	AUX. LIMIT CONTROL	IFC	INTEGRATED FURNACE CONTROL
CC	COMPRESSOR CONTACTOR	LAC	LOW AMBIENT COOLING CONTROL
COMP	COMPRESSOR	LC	LIMIT CONTROL
CT	CONTROL TRANSFORMER	LPC	LOW PRESSURE CONTROL
FLMS	FLAME SENSOR	MRLC	MANUAL RESET LIMIT CONTROL
FT	FREESTAT	NPC	NEGATIVE PRESSURE CONTROL
GL	GROUND LUG	OFM	OUTDOOR FAN MOTOR
GRD	GROUND	PL	PLUG
GV	GAS VALVE	RC	RUN CAPACITOR
HPC	HIGH PRESSURE CONTROL	SE	SPARK ELECTRODE
IBM	INDOOR BLOWER MOTOR	SDC	TIME DELAY CONTROL
IDM	INDUCED DRAFT MOTOR	WN	WIRE NUT

WIRING INFORMATION

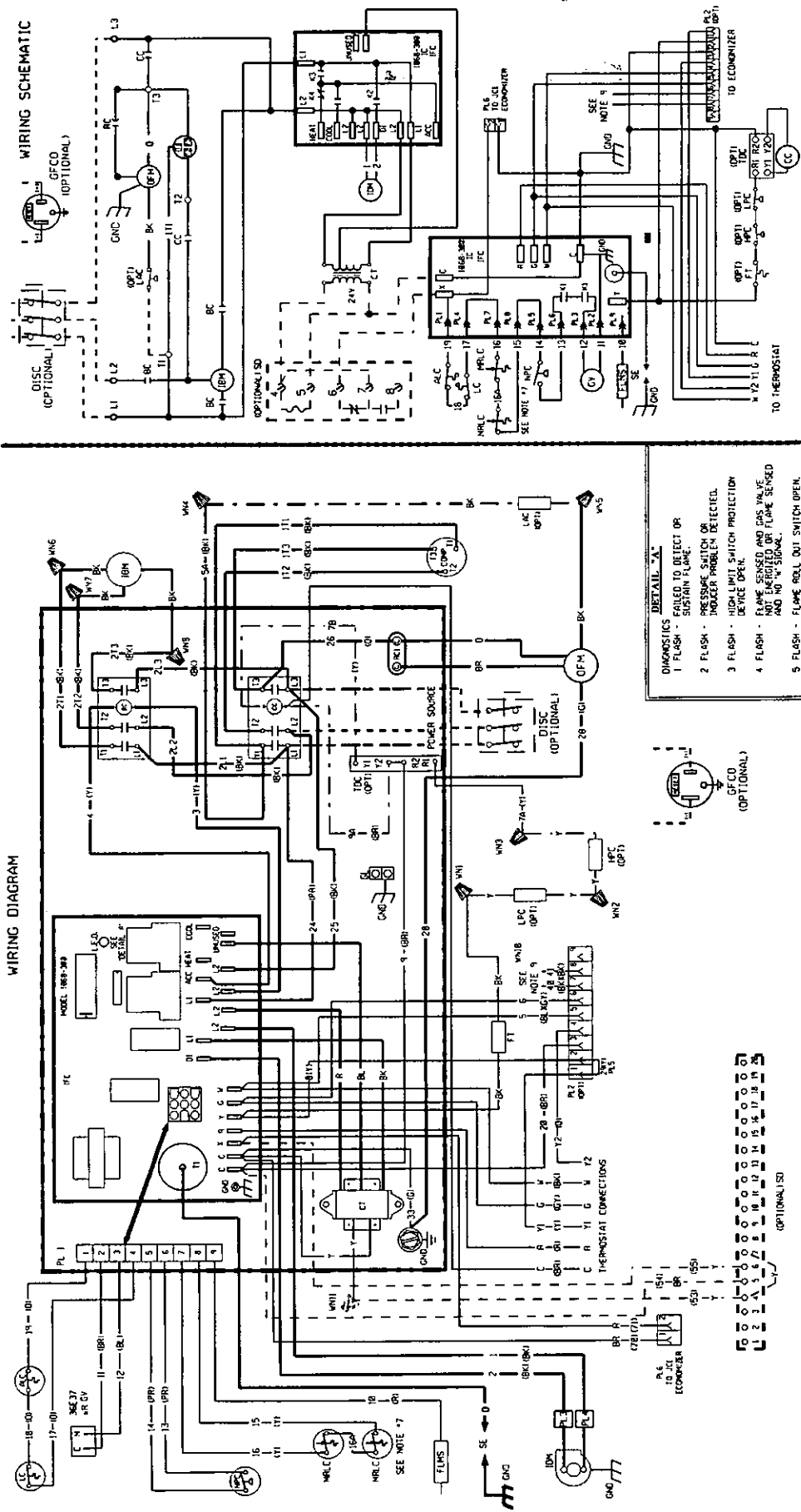
LINE VOLTAGE	—
—FACTORY STANDARD	—
—FACTORY OPTION	—
—FIELD INSTALLED	—
LOW VOLTAGE	—
—FACTORY STANDARD	—
—FACTORY OPTION	—
—FIELD INSTALLED	—
REPLACEMENT WIRE	—
—MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105° C MIN.)	—
—CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C. AND LOCAL CODES AS APPLICABLE	—

WIRE COLOR CODE	
BK	BLACK
OR	ORANGE
PR	PURPLE
BR	BROWN
BL	BLUE
W	WHITE
GR	GREEN
GY	GRAY
Y	YELLOW

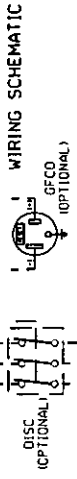
WIRING DIAGRAM	
208-230, 1 PHASE	
DIRECT DRIVE/BELT DRIVE	

90-23596-01-06

TYPICAL WIRING SCHEMATICS



WIRING DIAGRAM



WIRING SCHEMATIC

WIRE COLOR CODE	
BK	BLACK
BR	BROWN
BL	BLUE
GR	GREEN
GY	GRAY
OR	ORANGE
PR	PURPLE
RD	RED
WH	WHITE
Y	YELLOW

WIRING INFORMATION	
LINE VOLTAGE	—FACTORY STANDARD
	—FACTORY OPTION
	—FIELD INSTALLED
LOW VOLTAGE	—FACTORY STANDARD
	—FACTORY OPTION
	—FIELD INSTALLED
REPLACEMENT WIRE	
—MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105° C MIN.)	
WARNING	
—CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C. AND LOCAL CODES AS APPLICABLE.	

- NOTES:**
1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
 2. COMPRESSOR MOTOR THERMALLY PROTECTED. ALL 3 PHASE MODELS ARE PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.
 3. CONTROL TRANSFORMER PRIMARY LEADS: RED-COMMON, BLUE-208V, BLACK-230V, TRANSFORMER FACTORY WIRED FOR 230 VOLTS. INTERCHANGE BLACK FOR BLUE LEADS FOR 208V OPERATION.
 4. CONTACTOR FACTORY WIRED: CONNECT FIELD WIRE TO FACTORY SUPPLIED CONTACTOR IN ELECTRICAL BOX.
 5. LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER, 24V, 50/60 HZ SUPPLIED.
 6. CONNECT FIELD WIRING IN GROUNDED RAIN TIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
 7. ONLY ONE MRLC IS NEEDED ON THE 80,000 INPUT UNIT.
 8. MOTOR FACTORY WIRED FOR CORRECT SPEED.
 9. WIRES FROM PL2 (7 & 8) GO TO THE MIXED AIR SENSOR ON THE OPTIONAL ECONOMIZER.
 10. Y2 IS USED ONLY FOR THE OPTIONAL ECONOMIZER.

COMPONENT CODE	
AUX. LIMIT CONTROL	IDM
BLOWER CONTACTOR	IFC
COMPRESSOR	LAC
COMPRESSOR CONTACTOR	LC
CONTROL TRANSFORMER	LPC
DISCONNECT SWITCH	MRLC
FLAME SENSOR	NPC
FREESTAT	OFM
GROUND FAULT	PL
CONVENIENCE OUTLET	RC
GROUND LUG	SD
GROUND	SE
GAS VALVE	TDC
HIGH PRESSURE CONTROL	WN
INDOOR BLOWER MOTOR	
INDIRECT DRIVE	

8

WIRING DIAGRAM

This diagram illustrates the electrical connections for the control system, including the furnace, economizer, and various safety and monitoring components. Key elements include:

- Power Source:** 240V AC input, 240V/0/240V transformer, and 240V/0/240V switch.
- Control Components:** PLC (Programmable Logic Controller), CPU, and various relays (R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100, R101, R102, R103, R104, R105, R106, R107, R108, R109, R110, R111, R112, R113, R114, R115, R116, R117, R118, R119, R120, R121, R122, R123, R124, R125, R126, R127, R128, R129, R130, R131, R132, R133, R134, R135, R136, R137, R138, R139, R140, R141, R142, R143, R144, R145, R146, R147, R148, R149, R150, R151, R152, R153, R154, R155, R156, R157, R158, R159, R160, R161, R162, R163, R164, R165, R166, R167, R168, R169, R170, R171, R172, R173, R174, R175, R176, R177, R178, R179, R180, R181, R182, R183, R184, R185, R186, R187, R188, R189, R190, R191, R192, R193, R194, R195, R196, R197, R198, R199, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246, R247, R248, R249, R250, R251, R252, R253, R254, R255, R256, R257, R258, R259, R260, R261, R262, R263, R264, R265, R266, R267, R268, R269, R270, R271, R272, R273, R274, R275, R276, R277, R278, R279, R280, R281, R282, R283, R284, R285, R286, R287, R288, R289, R290, R291, R292, R293, R294, R295, R296, R297, R298, R299, R300, R301, R302, R303, R304, R305, R306, R307, R308, R309, R310, R311, R312, R313, R314, R315, R316, R317, R318, R319, R320, R321, R322, R323, R324, R325, R326, R327, R328, R329, R330, R331, R332, R333, R334, R335, R336, R337, R338, R339, R340, R341, R342, R343, R344, R345, R346, R347, R348, R349, R350, R351, R352, R353, R354, R355, R356, R357, R358, R359, R360, R361, R362, R363, R364, R365, R366, R367, R368, R369, R370, R371, R372, R373, R374, R375, R376, R377, R378, R379, R380, R381, R382, R383, R384, R385, R386, R387, R388, R389, R390, R391, R392, R393, R394, R395, R396, R397, R398, R399, R400, R401, R402, R403, R404, R405, R406, R407, R408, R409, R410, R411, R412, R413, R414, R415, R416, R417, R418, R419, R420, R421, R422, R423, R424, R425, R426, R427, R428, R429, R430, R431, R432, R433, R434, R435, R436, R437, R438, R439, R440, R441, R442, R443, R444, R445, R446, R447, R448, R449, R450, R451, R452, R453, R454, R455, R456, R457, R458, R459, R460, R461, R462, R463, R464, R465, R466, R467, R468, R469, R470, R471, R472, R473, R474, R475, R476, R477, R478, R479, R480, R481, R482, R483, R484, R485, R486, R487, R488, R489, R490, R491, R492, R493, R494, R495, R496, R497, R498, R499, R500, R501, R502, R503, R504, R505, R506, R507, R508, R509, R510, R511, R512, R513, R514, R515, R516, R517, R518, R519, R520, R521, R522, R523, R524, R525, R526, R527, R528, R529, R530, R531, R532, R533, R534, R535, R536, R537, R538, R539, R540, R541, R542, R543, R544, R545, R546, R547, R548, R549, R550, R551, R552, R553, R554, R555, R556, R557, R558, R559, R560, R561, R562, R563, R564, R565, R566, R567, R568, R569, R570, R571, R572, R573, R574, R575, R576, R577, R578, R579, R580, R581, R582, R583, R584, R585, R586, R587, R588, R589, R590, R591, R592, R593, R594, R595, R596, R597, R598, R599, R600, R601, R602, R603, R604, R605, R606, R607, R608, R609, R610, R611, R612, R613, R614, R615, R616, R617, R618, R619, R620, R621, R622, R623, R624, R625, R626, R627, R628, R629, R630, R631, R632, R633, R634, R635, R636, R637, R638, R639, R640, R641, R642, R643, R644, R645, R646, R647, R648, R649, R650, R651, R652, R653, R654, R655, R656, R657, R658, R659, R660, R661, R662, R663, R664, R665, R666, R667, R668, R669, R670, R671, R672, R673, R674, R675, R676, R677, R678, R679, R680, R681, R682, R683, R684, R685, R686, R687, R688, R689, R690, R691, R692, R693, R694, R695, R696, R697, R698, R699, R700, R701, R702, R703, R704, R705, R706, R707, R708, R709, R710, R711, R712, R713, R714, R715, R716, R717, R718, R719, R720, R721, R722, R723, R724, R725, R726, R727, R728, R729, R730, R731, R732, R733, R734, R735, R736, R737, R738, R739, R740, R741, R742, R743, R744, R745, R746, R747, R748, R749, R750, R751, R752, R753, R754, R755, R756, R757, R758, R759, R760, R761, R762, R763, R764, R765, R766, R767, R768, R769, R770, R771, R772, R773, R774, R775, R776, R777, R778, R779, R780, R781, R782, R783, R784, R785, R786, R787, R788, R789, R790, R791, R792, R793, R794, R795, R796, R797, R798, R799, R800, R801, R802, R803, R804, R805, R806, R807, R808, R809, R810, R811, R812, R813, R814, R815, R816, R817,

INDUCED DRAFT CONTROL	IDM
INTERGRADED FURNACE CONTROL	IFC
LOW AMBIENT COOLING CONTROL	LAC
LIMIT CONTROL	LC
LOW PRESSURE CONTROL	LPC
MANUAL RESET LIMIT CONTROL	MRLC
NEGATIVE PRESSURE CONTROL	NPC
OUTDOOR FAN MOTOR	OFM
PLUS	PT
POWER TRANSFORMER	PT
RUN CAPACITOR	RC
SMOKE DETECTOR	SD
SPARK ELECTRODE	SE
TIME DELAY CONTROL	TDC
WIRE NUT	WN
AUXILIARY LIMIT CONTROL	ALC
AIRFLOW LIMIT CONTACTOR	ALC
COMPRESSOR CONTACTOR	CC
COMPRESSOR	CC
CONTROL TRANSFORMER	CT
DISCONNECT SWITCH	DS
FLAME SENSOR	FS
FREEZE STAT	FS
GROUND FAULT	GF
CONVENIENCE OUTLET	GO
GROUND LUG	GL
GROUND	GR
GAS VALVE	GV
HIGH PRESSURE CONTROL	HP
INDOOR BLOWER MOTOR	IBM
DIRECT DRIVE	DD

1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
2. COMPRESSOR MOTOR THERMALLY PROTECTED. ALL 3 PHASE MODELS ARE PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.
3. CONTROL TRANSFORMER PRIMARY LEADS: RED-COMMON, BLUE-208V, BLACK-230V, TRANSFORMER FACTORY WIRED FOR 230 VOLTS. INTERCHANGE BLACK FOR BLUE LEADS FOR 208V OPERATION.
4. CONTACTOR FACTORY WIRE: CONNECT FIELD WIRE TO FACTORY SUPPLIED CONTACTOR IN ELECTRICAL BOX.
5. LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER, 24V, 50/60 HZ SUPPLIED.
6. CONNECT FIELD WIRING IN GROUNDWED RAIN TIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
7. ONLY ONE MRLC IS NEEDED ON THE 80,000 INPUT UNIT.
8. POWER TRANSFORMER PRIMARY LEADS: BLUE-COMMON; BK / RED-480V, 60 HZ.; 380V, 50 HZ.; RED-575V, 60 HZ.; 415V, 50 HZ.
9. WIRES FROM PL2 (7 & 8) GO TO THE MIXED AIR SENSOR ON THE OPTIONAL ECONOMIZER.
10. Y2 IS USED ONLY FOR THE OPTIONAL ECONOMIZER.

LINE VOLTAGE

- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED

LOW VOLTAGE

- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED

REPLACEMENT WIRE

- MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105° C MIN.)

WARNING

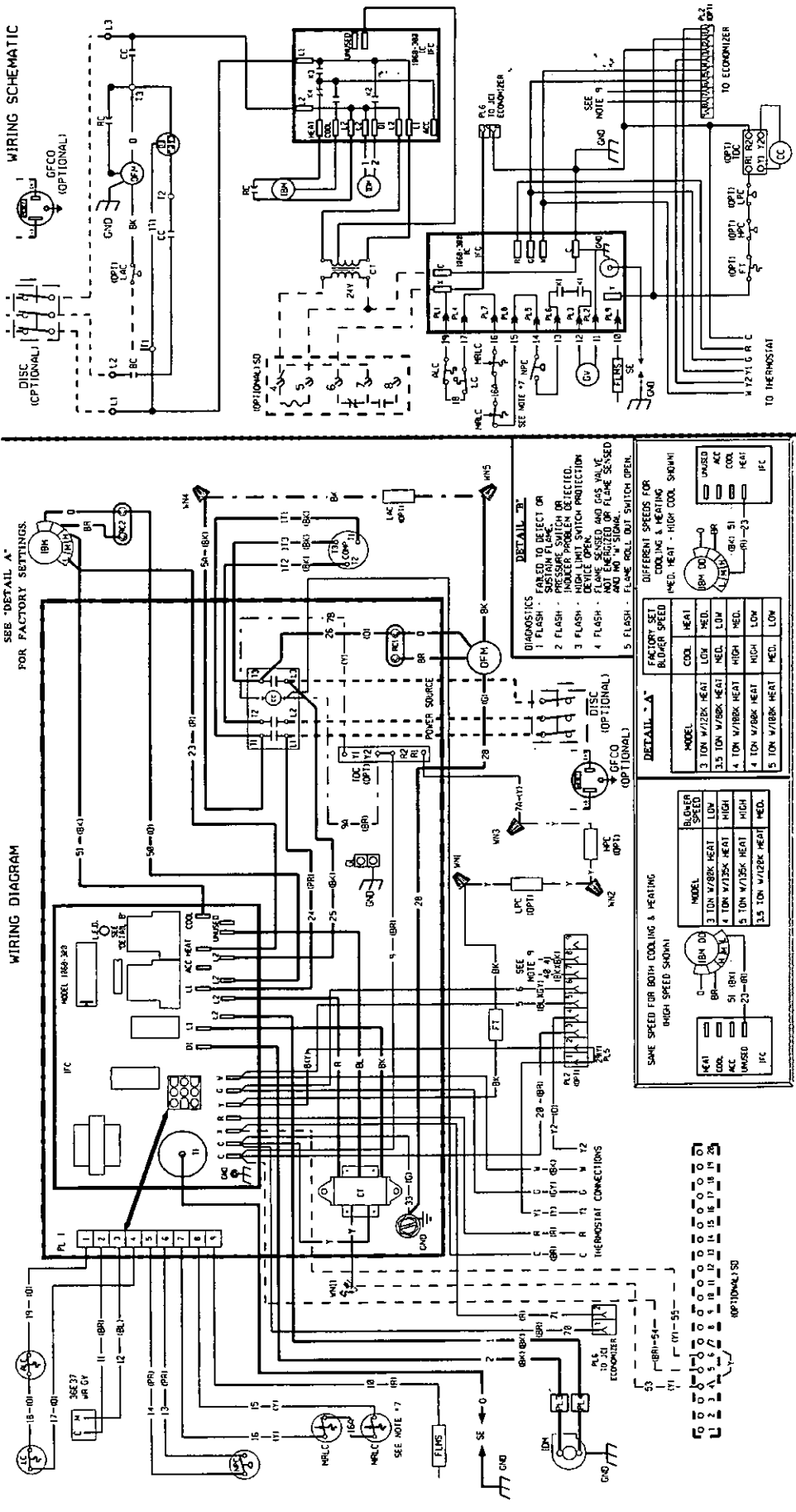
- CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C. AND LOCAL CODES AS APPLICABLE.

BLACK	O	ORANGE
BROWN	PR	PURPLE
BLUE	R	RED
GREEN	W	WHITE
GRAY	Y	YELLOW

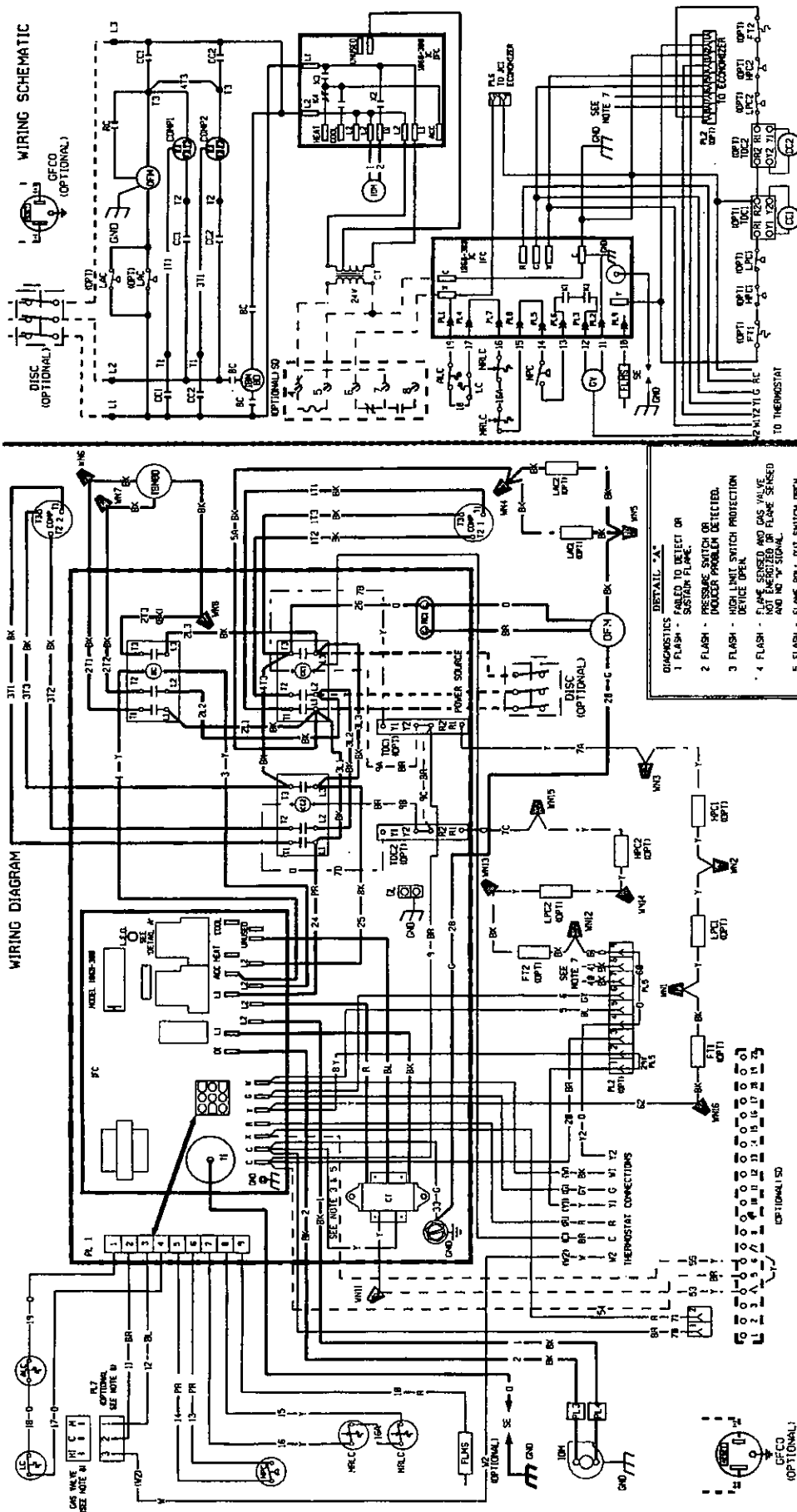
460-575, 3 PHASE, 60 HZ
380-415, 3 PHASE, 50 HZ
BELT DRIVE

90-23596-07-08

TYPICAL WIRING SCHEMATICS



TYPICAL WIRING SCHEMATICS



COMPONENT CODE

AUX.	AUX. LIMIT CONTROL	IDM	INDUCED DRAFT MOTOR
BLOWER	BLOWER MOTOR CONTACTOR	IFC	INTEGRATED FURNACE CONTROL
CC	COMPRESSOR CONTACTOR	LAC	LOW AMBIENT COOLING CONTROL
COMP	COMPRESSOR	LC	LIMIT CONTROL
CT	CONTROL TRANSFORMER	LPC	LOW PRESSURE CONTROL
DISC	DISCONNECT SWITCH	MRLC	MANUAL RESET LIMIT CONTROL
FLMS	FLAME SENSOR	NPC	NEGATIVE PRESSURE CONTROL
FT	FREEZE STAT	OFM	OUTDOOR FAN MOTOR
GFCC	GROUND FAULT CONVENIENCE OUTLET	PLC	PLUG
GL	GROUND LUG	RC	RUN CAPACITOR
GND	GROUND	SD	SMOKE DETECTOR
GPC	GAS VALVE	SE	SPARK ELECTRODE
HPV	HIGH PRESSURE CONTROL	TDC	TIME DELAY CONTROL
IBMBD	INDOOR BLOWER MOTOR	WN	WIRE NUT
	BELT DRIVE		

NOTES:

1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
2. COMPRESSOR MOTOR THERMALLY PROTECTED. ALL 3 PHASE MODELS ARE PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.
3. CONTROL TRANSFORMER PRIMARY LEADS, RED-COMMON, BLUE-208V, BLACK-230V, TRANSFORMER FACTORY WIRED FOR 230 VOLTS. INTERCHANGE BLACK FOR BLUE LEADS FOR 208V OPERATION.
4. CONTACTOR FACTORY WIRED. CONTACT FIELD WIRE TO FACTORY SUPPLIED CONTACTOR IN ELECTRICAL BOX.
5. LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER, 24V, 50/60 HZ SUPPLIED.
6. CONNECT FIELD WIRING IN GROUNDED RAIN TIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
7. WIRES FROM PL2 (7 & 8) GO TO THE MIXED AIR SENSOR ON THE OPTIONAL ECONOMIZER.
8. PL2 AND WIRE (W2) ARE USED ON TWO STAGE GAS MODELS ONLY. WIRES 11 & 12 CONNECT DIRECTLY TO GAS VALVE TERMINALS "C" & "M" ON SINGLE-STAGE MODELS. OPTIONAL "W2" THERMOSTAT CONNECTION NOT REQUIRED ON SINGLE STAGE GAS MODELS.

WIRING INFORMATION

WIRING IN CIRCULATION

LINE VOLTAGE

- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED

LOW VOLTAGE

- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED

REPLACEMENT WIRE

- MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105°C MIN.)

WARNING

- CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C. AND LOCAL CODES AS APPLICABLE.

WIRE COLOR CODE

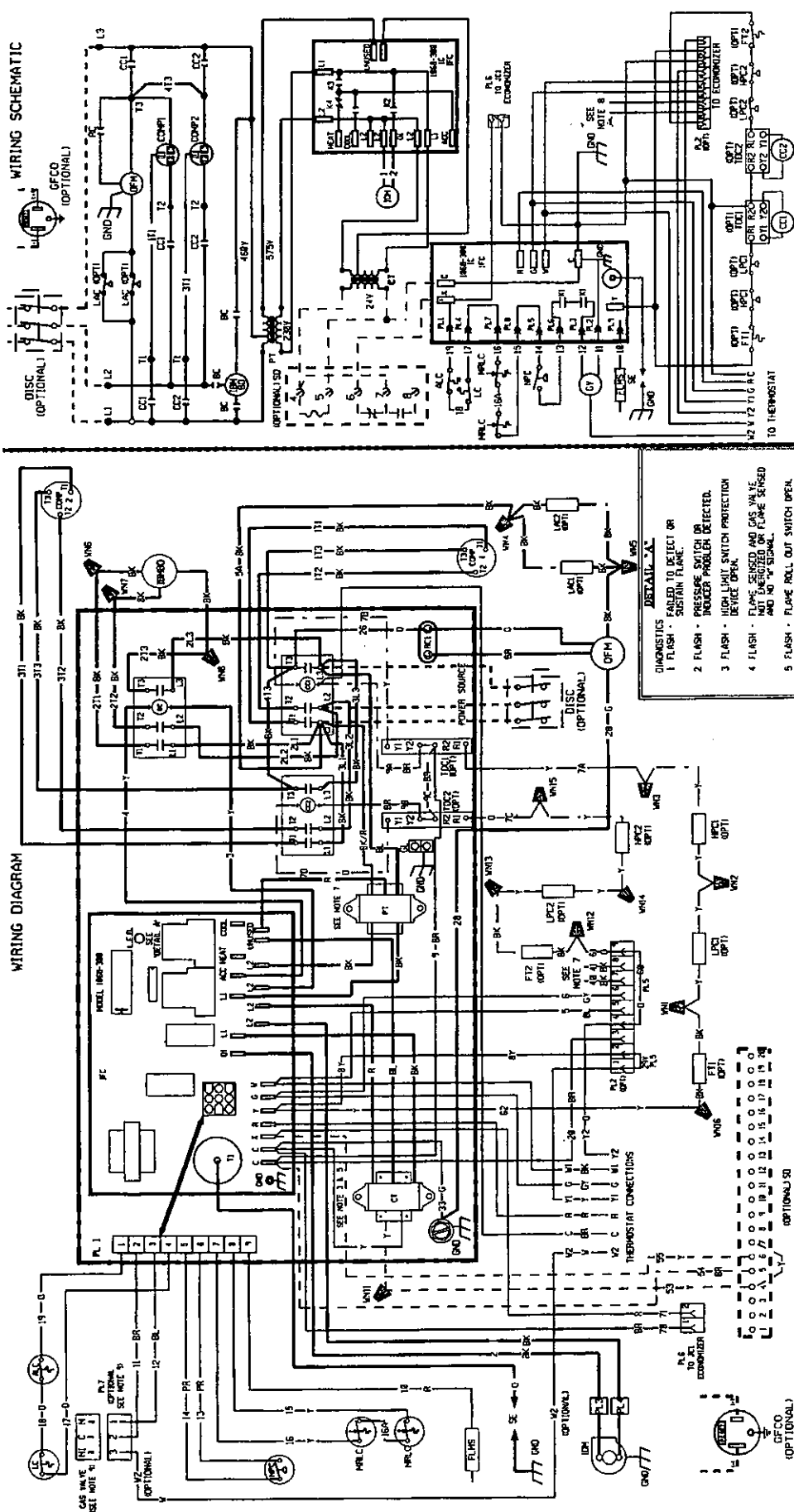
BLACK	O	ORANGE
BROWN	PR	PURPLE
BLUE	R	RED
GREEN	W	WHITE
GRAY	Y	YELLOW

WIRING DIAGRAM

208-230, 3 PHASE, 60 HZ
200-220, 3 PHASE, 50 HZ
DUAL CIRCUIT
BELT DRIVE

90-23596-10-03

TYPICAL WIRING SCHEMATICS



COMPONENT CODE

AUX. LIMIT CONTROL	INDUCED DRAFT MOTOR
BLOWER MOTOR CONTACTOR	INTEGRATED FURNACE CONTROL
COMPRESSOR CONTACTOR	LOW AMBIENT COOLING CONTROL
COMPRESSOR	LIMIT CONTROL
CONTROL TRANSFORMER	LOW PRESSURE CONTROL
DISCONNECT SWITCH	MANUAL RESET LIMIT CONTROL
FLAME SENSOR	NEGATIVE PRESSURE CONTROL
FREEZE STAT	OUTDOOR FAN MOTOR
GROUND FAULT	POWER TRANSFORMER
CONVENIENCE OUTLET	RUN CAPACITOR
GROUND LUG	SMOKE DETECTOR
GAS VALVE	SD
HIGH PRESSURE CONTROL	SE
INDUCED BLOWER MOTOR	SPARK ELECTRODE
REF. PANE.	TIME DELAY CONTROL
	WIRE NUT
	WIN

NOTES:

4. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY
5. COMPRESSOR MOTOR THERMALLY PROTECTED. ALL 3 PHASE MODELS ARE PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.
6. CONTROL TRANSFORMER PRIMARY LEADS: RED-COMMON, BLUE-208V, BLACK-230V. TRANSFORMER FACTORY WIRED FOR 230 VOLTS. INTERCHANGE BLACK FOR BLUE LEADS FOR 208V OPERATION.
7. CONTACTOR FACTORY WIRED. CONNECT FIELD WIRE TO FACTORY SUPPLIED CONDUIT IN ELECTRICAL BOX.
8. LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 TRANSFORMER, 24V, 50/60 HZ SUPPLIED.
9. GROUND FIELD WIRING IN GROUNDING RAIN TIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
10. POWER TRANSFORMER PRIMARY LEADS: BLUE-COMMON, BKRED-460V, 50 HZ, RED-575V, 60 HZ/415V, 50 HZ.
11. WIRES FROM PL2 (7 & 8) TO THE MIXED AIR SENSOR ON THE OPTIONAL ECONOMIZER.
12. PIPES AND WIRE (N2) ARE USED ON TWO STAGE GAS MODELS ONLY. WIRES 11 & 12 CONNECT DIRECTLY TO GAS VALVE TERMINALS 5" & "M" ON SINGLE STAGE MODELS. OPTIONAL "W2" THERMOSTAT CONNECTION NOT REQUIRED ON SINGLE STAGE GAS MODELS.

WIRING INFORMATION

LINE VOLTAGE
-FACTORY STANDARD
-FACTORY OPTION
-FIELD INSTALLED

LOW VOLTAGE
-FACTORY STANDARD
-FACTORY OPTION
-FIELD INSTALLED

REPLACEMENT WIRE
-MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105° C MIN.)

WARNING
-CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C. N.E.C. C.E.C. AND LOCAL CODES AS APPLICABLE.

WIDE CONCRETE

WIRE COLOR CODE BK BLACK O ORANGE BR BROWN PR PURPLE BL BLUE R RED G GREEN W WHITE GR GRAY Y YELLOW		WIRING DIAGRAM 480-575, 3 PHASE, 60 HZ 300-415, 3 PHASE, 50 HZ BELT DRIVE DUAL CIRCUIT	90-23596-11-04
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52

52



THERMOSTATS GAS/ELECTRIC

RECOMMENDED THERMOSTATS WITH AND W/O ECONOMIZER

Single Stage Cool w/o Economizer	Two Stage Cool w/Economizer
Maple Chase—Model #0970	Honeywell—Model #T7300-A1005
Honeywell—Model #T8602C	Honeywell—Model #T874D-1959
Maple Chase—Model #0960	
White Rodgers—Model #1F91-59	
Robertshaw—Model #CM64A-USAJ	

SAMPLE SPECIFICATIONS

Unit shall be completely factory assembled and performance tested to provide the required cooling and heating functions suitable for outdoor installations. Unit shall be UL/cUL listed and rated in accordance to ARI Standard 210.

CABINET

Unit casing, base pan and framework shall be manufactured of galvanized sheet metal primed and finished with powder paint capable of withstanding a 1000-hour salt spray test per ASTM B 117. Unit interior cabinet surfaces shall be insulated with a minimum 1/2-inch thick foil faced insulation. Access panels shall be easily removable providing access to the blower, filter, heating compartment, and compressor/control box. Unit base rails shall be provided with fork insertion slots and rigging holes. Condensate drain pan shall be of sloped design to conform to ASHRAE 62. Unit shall be supplied ready for vertical airflow and be easily convertible to horizontal airflow at or before installation.

COMPRESSOR(S)

Unit shall be provided with fully hermetic scroll compressor(s) with internally protected safety controls. Two compressors shall be utilized on 7.5 ton [26.4 kW] models.

COILS

The evaporator and condenser coils shall be fabricated of copper tubes with mechanically bonded aluminum plate fins. They shall be pressure tested prior to assembly into the unit, and electronically leak tested after assembly.

CONDENSER FAN

A single direct drive propeller fan shall discharge air vertically upward. The fan motor shall be permanently lubricated and have built-in overload protection.

EVAPORATOR BLOWER

A single, double inlet, centrifugal wheel shall rotate in permanently lubricated ball bearings. The wheel shall be made from steel with corrosion resistant finish and shall be statically and dynamically balanced.

HEATING SECTION

Heat exchanger shall be of the tubular type made of aluminized steel. Burners shall be of the in-shot type. Unit shall be equipped with an integrated direct spark ignition control board with built-in diagnostics feature. Safeties to include limit, lockout, and flame roll-out switches.

ACCESSORIES

ROOF CURB

Curb shall be full perimeter type, complying with the standards of the National Roofing Contractors Association. Design shall provide for drop-in of supply and return ducts prior to setting unit, and include an insulating panel for the rest of the curb area.

ECONOMIZER

Economizer shall be completely assembled for field installation. Unit shall include all controls and dampers including the barometric relief damper. Shall be offered for both vertical and horizontal applications.

MANUAL FRESH AIR DAMPER

Damper shall consist of damper and rainhood which is manually preset to admit up to 35% of outside air for field installation.

MOTORIZED FRESH AIR DAMPER

Damper shall consist of motor, damper, and rainhood which can admit up to 35% of outside air for field installation.

PRESSURE CONTROLS

High and low pressure controls shall be included for field or factory installation.

LOW AMBIENT CONTROL

Low ambient control shall be provided to cycle the condenser fan in response to condensing pressure and allow operation to 0 degrees F. The option shall be field or factory installed.

TIME DELAY CONTROL

Time delay control shall be provided to prevent the compressor from restarting 5 minutes after shutdown. The control shall be field or factory installed.

LOUVER PANEL KITS

Field or factory installed louver kits shall be provided for condenser coil protection against hail or flying debris.

**SIGNMASTER SUPREME
FIRE RESISTANCE**

ATTN PAUL
DUGGAN

FLAME RETARDANCE IS INHERENT AND WILL NOT WASH OUT.

MEETS OR EXCEEDS

1. UNDERWRITER'S LABORATORIES -

UL-214 "FLAME TESTS OF FLAME-RESISTANT FABRICS AND FILMS"

FOR - AWNINGS, TENTS, DECORATIONS AND DRAPERIES

SMALL SCALE

SAMPLE SIZE - 2 3/4" X 10"

NUMBER OF SAMPLES - 5 WARP/5 FILL

MOUNTING ANGLE - VERTICAL

IGNITION SOURCE/TIME - GAS (800-1000 BTU/CU.FT.)/12 SECONDS

PASS/FAIL CRITERIA

- (1) AFTER FLAME - 2 SECONDS, MAXIMUM
- (2) CHAR LENGTH - 3 1/4" MAXIMUM AVERAGE

LARGE SCALE

SAMPLE SIZE - 5" X 84" (FLAT)/25" X 50" (FOLDED)

NUMBER OF SAMPLES - 5 WARP/5 FILL (FLAT)/
2 WARP/2 FILL (FOLDED)

MOUNTING ANGLE - VERTICAL

IGNITION SOURCE/TIME - GAS (800-1000 BTU/CU.FT.)/2 MINUTES

PASS/FAIL CRITERIA

- (1) AFTER FLAME - 2 SECONDS MAXIMUM
- (2) CHAR LENGTH - 10" MAXIMUM

2. NATIONAL FIRE PROTECTION ASSOCIATION -

NFPA-701 - SMALL SCALE/LARGE SCALE

ESSENTIALLY THE SAME AS UL-214

3. CALIFORNIA STATE FIRE MARSHALL -

TITLE 19, ARTICLE 3, SECTION 1237/1237.1

FOR - FLAME RETARDANT FABRICS

SMALL SCALE

SAMPLE SIZE - 2 1/2" X 12 1/2"

NUMBER OF SAMPLES - 3 WARP X 3 FILL

MOUNTING ANGLE - VERTICAL

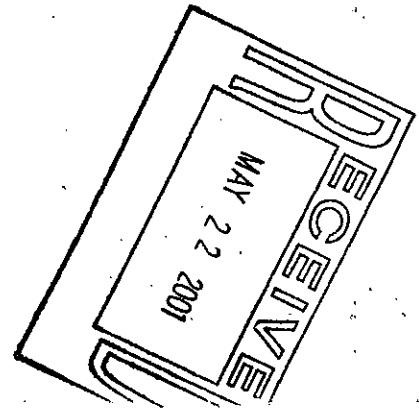
IGNITION SOURCE/TIME - GAS/12 SECONDS

PASS/FAIL CRITERIA

- (1) AFTER FLAME - 2 SECONDS MAXIMUM
- (2) CHAR LENGTH - 6" MAXIMUM AVERAGE

continued...

JOHN BOYLE AND COMPANY



SIGNMASTER SUPREME
FIRE RESISTANCE
September '92

page 2 of 2

4. ASTM E 84

SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS

THIS IS NOT A PASS/FAIL TEST. MATERIALS ARE EXPOSED TO
FLAMING FIRE FRONT, AND FLAMESPREAD AND DENSITY OF RESULTING
SMOKE ARE RECORDED. DATA FOR SIGNMASTER SUPREME:

FLAME SPREAD INDEX - 25
SMOKE DENSITY INDEX - 100

BASED ON THIS DATA, SIGNMASTER SUPREME IS A CLASS A BUILDING MATERIAL.

WLC:th

Rich McGarry
Yates Sign Co.
732 310-6109

RECEIVED
MAY 22 2002

**SIGNMASTER SUPREME
FIRE RESISTANCE**

ATTN PAUL
DUGGAN

FLAME RETARDANCE IS INHERENT AND WILL NOT WASH OUT.

MEETS OR EXCEEDS

1. UNDERWRITER'S LABORATORIES -

UL-214 "FLAME TESTS OF FLAME-RESISTANT FABRICS AND FILMS"

FOR - AWNINGS, TENTS, DECORATIONS AND DRAPERIES

SMALL SCALE

SAMPLE SIZE - 2 3/4" X 10"

NUMBER OF SAMPLES - 5 WARP/5 FILL

MOUNTING ANGLE - VERTICAL

IGNITION SOURCE/TIME - GAS (800-1000 BTU/CU.FT.)/12 SECONDS

PASS/FAIL CRITERIA

- (1) AFTER FLAME - 2 SECONDS, MAXIMUM**
- (2) CHAR LENGTH - 3 1/4" MAXIMUM AVERAGE**

LARGE SCALE

SAMPLE SIZE - 5" X 84" (FLAT)/25" X 50" (FOLDED)

**NUMBER OF SAMPLES - 5 WARP/5 FILL (FLAT)/
2 WARP/2 FILL (FOLDED)**

MOUNTING ANGLE - VERTICAL

IGNITION SOURCE/TIME - GAS (800-1000 BTU/CU.FT.)/2 MINUTES

PASS/FAIL CRITERIA

- (1) AFTER FLAME - 2 SECONDS MAXIMUM**
- (2) CHAR LENGTH - 10" MAXIMUM**

2. NATIONAL FIRE PROTECTION ASSOCIATION -

NFPA-701 - SMALL SCALE/LARGE SCALE

ESSENTIALLY THE SAME AS UL-214

3. CALIFORNIA STATE FIRE MARSHALL -

TITLE 19, ARTICLE 3, SECTION 1237/1237.1

FOR - FLAME RETARDANT FABRICS

SMALL SCALE

SAMPLE SIZE - 2 1/4" X 12 1/4"

NUMBER OF SAMPLES - 3 WARP X 3 FILL

MOUNTING ANGLE - VERTICAL

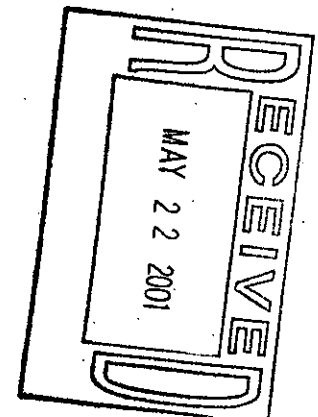
IGNITION SOURCE/TIME - GAS/12 SECONDS

PASS/FAIL CRITERIA

- (1) AFTER FLAME - 2 SECONDS MAXIMUM**
- (2) CHAR LENGTH - 6" MAXIMUM AVERAGE**

continued...

JOHN BOYLE AND COMPANY



SIGNMASTER SUPREME
FIRE RESISTANCE
September '92

page 2 of 2

4. ASTM E 84

SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS

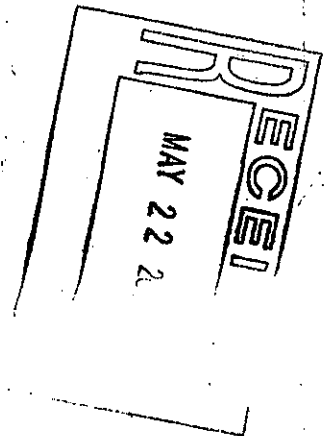
THIS IS NOT A PASS/FAIL TEST. MATERIALS ARE EXPOSED TO
FLAMING FIRE FRONT, AND FLAMESPREAD AND DENSITY OF RESULTING
SMOKE ARE RECORDED. DATA FOR SIGNMASTER SUPREME:

FLAME SPREAD INDEX - 25
SMOKE DENSITY INDEX - 100

BASED ON THIS DATA, SIGNMASTER SUPREME IS A CLASS A BUILDING MATERIAL.

WLC:th

Rich McGarry
Yates Sign Co.
732 310-6109



Township of Brick
Counter Form
(PLEASE PRINT)

2511

Site Location: _____
 Block: _____ Lot: _____
 Owner's Name: _____
 Owner's Mailing Address: _____
 Phone: () _____

BUILDING

Contractor: _____
 Address: _____
 Phone #: _____
 License #: _____
 Federal Emp # or SSN: _____

ELECTRICAL

Contractor: **PRO-TECH. ELECTRIC CORP.**
 Address: **72 SO. FULTON ST.**
WOOD BRIDGE N.J. 07095
 Phone #: **(732) 442-6336**
 License #: **13178**
 Federal Emp # or S: _____

Technical Data

Description of Work: _____

Technical Data

Item _____ Quantity _____

Lighting Fixtures 43
 Receptacles _____
 Switches _____
 Detectors _____
 Light Poles 31
 Motors w/ Fract. HP _____
 Emergency & Exit Lights _____
 Communication Points _____
 Alarm Devices/FAC Panel _____
 Total 74

Type of Work

☐ New Building ☐ Siding
☐ Addition ☐ Fence
☐ Alteration ☐ Pool
☐ Roofing ☐ Demolition
☐ Asbestos Abatement ☐ Sign _____ sq ft

Building Characteristics

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

Cost of New Building: _____

Total Cost of Building Work: _____

Signature: _____

Please Print Name: _____

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 _____ KW
 Space Heater/Air Handler _____ KW
 Baseboard Heating _____ KW
 Motors 1+ HP _____
 Transformer/Generator _____ KW
 Light Stand _____ AMP
 Service _____ AMP
 Subpanel _____ AMP
 Motor Control Center _____ AMP
 Sign/Outline Light _____ KW
 Furnace _____
 Steam Boiler _____
 Other: _____

Estimated Cost of Electrical Work: _____

\$58,000.00

Signature: _____

Please Print Name **CARL B. MATTHEWSON**

CONTRACTOR'S SEAL

TOWNE HALL SHOPPERS

Township of Brick

Counter Form
(PLEASE PRINT)

CHANGE OF CONTRACTOR
APPLICATION

Site Location: 940 CEDAR BRIDGE AVE
Block: 670 Lot: 901
Owner's Name: ALMA VENTURE
Owner's Mailing Address: 1195 ROUTE 20
LAKEWOOD, N.J. 08701
Phone: ()

SITE LIGHTING

this is for
update
01-21-96
+A

BUILDING

Contractor: _____
Address: _____
Phone#: _____
Lic #: _____
Federal Emp # or SSN: _____

ELECTRICAL

Contractor: PRECISION-ONE ELECTRIC CORP
Address: 739 HIGHWAY 34
NATONAL, N.J. 07417 732-765-8005
Phone#: _____
Lic #: 11381
Federal Emp # or SSN: 22-3785615

Technical Data

Description of Work:

Technical Data

Item	Quantity
Lighting Fixtures	<u>43</u>
Receptacles	<u>-</u>
Switches	<u>-</u>
Detectors	<u>-</u>
Light Poles	<u>31</u>
Motors w/ Fract. HP	<u>-</u>
Emergency & Exit Lights	<u>-</u>
Communication Points	<u>-</u>
Alarm Devices/FAC Panel	<u>-</u>
Total	<u>74</u>

Type of Work

☐ New Building ☐ Siding
☐ Addition ☐ Fence
☐ Alteration ☐ Pool
☐ Roofing ☐ Demolition
☐ Asbestos Abatement ☐ Sign _____ sq ft

Building Characteristics

Use Group: Present: _____ Proposed: _____
No of Stories: _____
Height of Structure: _____
Area of the largest floor: _____
Area of New Structure: _____
Volume of New Structure: _____
Total Land Disturbed: _____
Cost of Alteration: \$ _____
Cost of New Building: \$ _____
Total Cost of New Building Work: \$ _____

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

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.

Estimated Cost of Electrical Work: \$60,000.00

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

Signature: _____
Please Print Name: _____

Signature: Anthony V. Accardo
Please Print Name: Anthony V. Accardo
CONTRACTOR'S SEAL

R. STONE & COMPANY
36 WASHINGTON ST.
SUITE 1
TOMS RIVER, NJ 08753

LETTER OF TRANSMITTAL

TO: BRICK TWP. BLDG. DEPT.

FROM: NICOLE FERRARO

ADDRESS:

DATE: 6-26-01

PHONE NUMBER: (732) 262-1027

YOUR REFERENCE NUMBER:

PROJECT: TOWNE HALL SHOPPES
OFFICE BUILDING

OUR JOB NUMBER: 101001

940 CEDAR BRIDGE AVE.

PERMIT #012196, BLOCK 670, LOT 9.03

WE ARE SENDING YOU the following items, via hand delivery:

☐ Shop Drawings ☐ Prints ☐ Plans ☐ Specifications ☐ Copy of Letter

☐ Change Order ☒ Other: Revised foundation location & top of block elevation

Copies	Date	Drwg. No.	Description
2	6/25/01		Revised foundation location & top of block elevation.

THESE ARE TRANSMITTED as checked below:

☐ For approval

☐ As requested

☐ For review & comment

☒ For your use

☐ RETURN corrected prints

☐ FOR BIDS DUE

REMARKS

SIGNED

Nicole Ferraro

**Barlo &
Assoc. PA.**

Architecture • Planning
92 Mantoloking Road
Brick, NJ 08723

Tel: 732-477-7751

Fax: 732-477-6788

E-mail: barloassoc@aol.com

FAX TRANSMITTAL

DATE: 1/15/02 732-262-2839
TO: TOM OLSON - ELECTRICAL SUB-CODE OFFICIAL
COMPANY: TOWNSHIP OF BRICK BUILDING DEPARTMENT
FROM: JIM THIENEY
RE: TOWNE HALL SHOPPES

MESSAGE:

ATTACHED PLEASE FIND LETTER OF REVISION
REGARDING THE ABOVE REFERENCED PROJECT.
(2) COPIES - SEALED - WILL FOLLOW BY MAIL.
PLEASE CALL IF YOU HAVE ANY QUESTIONS.

NUMBER OF PAGES INCLUDING COVER SHEET: 2

CC: D. LEVY - PARAMOUNT REALTY
B. IONNO - R. STONE & CO.
FILE

**Barlo &
Assoc. P.A.**

Architecture - Planning
92 Mantoloking Road
Brick, NJ 08723

Tel: 732-477-7751

Fax: 732-477-6788

E-mail: barloassoc@aol.com

January 15, 2002

Mr. Tom Olson
Electrical Sub-code Official
Township of Brick Building Department
401 Chambers Bridge Road
Brick, NJ 08723

RE: Towne Hall Shoppes
Office Building
Block 670, Lots 9.01, 9.02, 9.03, & 9.04
990 Cedar Bridge Avenue

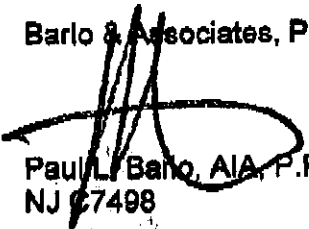
Dear Mr. Olson:

As per your request, this letter is to notify you that we will allow the BX cable, inadvertently installed in the core area of the above referenced project, to remain, as it is code acceptable, but we will insist that the remainder of the building be wired with the specified MC Cable with full sized ground wire.

Should you have any questions or require additional information, please do not hesitate to contact our office.

Very Truly Yours,

Barlo & Associates, P.A.



Paul L. Barlo, AIA, P.P.
NJ 07498

Cc: D. Levy - Paramount Realty
B. Ianno - R. Stone & Co.
file

Barlo & Assoc. P.A.

Architecture • Planning
92 Mantoloking Road
Brick, NJ 08723

Tel: 732-477-7751

Fax: 732-477-6788

E-mail: barloassoc@aol.com

January 15, 2002

Mr. Tom Olson
Electrical Sub-code Official
Township of Brick Building Department
401 Chambers Bridge Road
Brick, NJ 08723

RE: Towne Hall Shoppes
Office Building
Block 670, Lots 9.01, 9.02, 9.03, & 9.04
990 Cedar Bridge Avenue

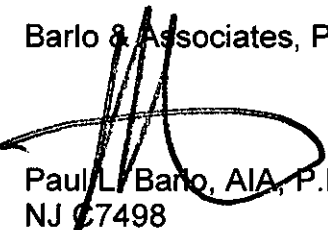
Dear Mr. Olson:

As per your request, this letter is to notify you that we will allow the BX cable, inadvertently installed in the core area of the above referenced project, to remain, as it is code acceptable, but we will insist that the remainder of the building be wired with the specified MC Cable with full sized ground wire.

Should you have any questions or require additional information, please do not hesitate to contact our office.

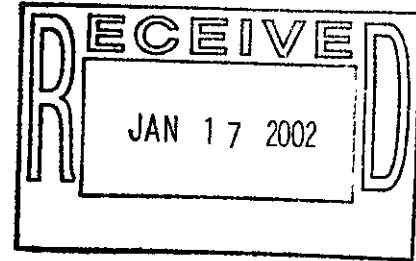
Very Truly Yours,

Barlo & Associates, P.A.



Paul L. Barlo, AIA, P.P.
NJ 07498

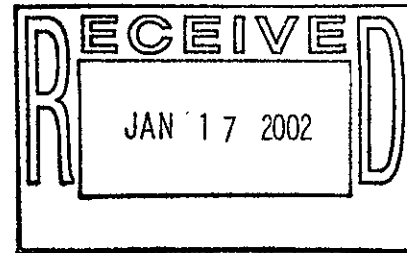
Cc: D. Levy – Paramount Realty
B. Ionno – R. Stone & Co.
file



Barlo & Assoc. P.A.

Architecture • Planning
92 Mantoloking Road
Brick, NJ 08723

Tel: 732-477-7751
Fax: 732-477-6788
E-mail: barloassoc@aol.com



January 15, 2002

Mr. Tom Olson
Electrical Sub-code Official
Township of Brick Building Department
401 Chambers Bridge Road
Brick, NJ 08723

RE: Towne Hall Shoppes
Office Building
Block 670, Lots 9.01, 9.02, 9.03, & 9.04
990 Cedar Bridge Avenue

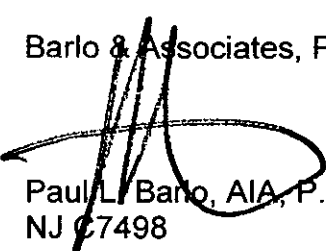
Dear Mr. Olson:

As per your request, this letter is to notify you that we will allow the BX cable, inadvertently installed in the core area of the above referenced project, to remain, as it is code acceptable, but we will insist that the remainder of the building be wired with the specified MC Cable with full sized ground wire.

Should you have any questions or require additional information, please do not hesitate to contact our office.

Very Truly Yours,

Barlo & Associates, P.A.



Paul L. Barlo, AIA, P.P.
NJ 07498

Cc: D. Levy - Paramount Realty
B. Ionno - R. Stone & Co.
file

Barlo & Assoc. P.A.

Architecture • Planning
92 Mantoloking Road
Brick, NJ 08723

Tel: 732-477-7751

Fax: 732-477-6788

E-mail: barloassoc@aol.com

May 25, 2001

Mr. Marcel Renson
Electrical Subcode Office
Township of Brick
Building Department
401 Chambers Bridge Road
Brick Town, NJ 08723

Re: Town Hall Shoppes Office Building
Block 670, Lots 9.01, 9.02, 9.03, & 9.04

Dear Mr. Renson,

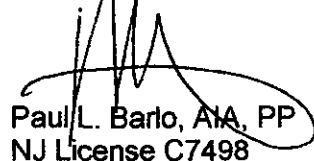
This letter is in response to your comments regarding the service bonding note and service entrance conductors not on drawing E-1 of the above referenced project.

Notes should be revised as follows:

- Change from "3/0 cu. bonding system per NEC Art. 250 - 80, 81, 83" to "3/0 copper bonding system per NEC Art. 250 - 30."
- Change from "4 # 350 MCM cu. in ea. of 4 - 3" PVC 40 conduits" to "4# 600 MCM cu. in ea. of 3 - 4" PVC 40 conduits" due to the service going underground to a pole rather than a pad mounted transformer per G.P.U.

Should you have any questions or wish to discuss, please do not hesitate to contact our office.

Very truly yours,
Barlo & Associates, P.A.



Paul L. Barlo, AIA, PP
NJ License C7498

cc: P. Duggan - R. Stone
R. Sammond - Omega Engrs.
Arch File

INSPECTOR: *Darren P. Fein*DATE: *7/31/02*JOB: *Town hall* SECTION: *School Department*
shopper *building*TYPE OF WORK: *Temp C.O.*WEATHER: *90° sunny*LOCATION: *940 Chamber bridge rd*TEMPERATURE: *90°*

BLOCK:

LOT:

**ENGINEERING RECOMMENDATIONS FOR
CERTIFICATE OF OCCUPANCY
INSPECTION CHECK LIST**

ITEMS TO BE COMPLETED	COMPLETED	DEFICIENT
1. Driveway	<i>X</i>	
2. Grading	<i>X</i>	
3. Sidewalk	<i>X</i>	
4. Road Pavement	<i>X</i>	
5. Landscaping & Sodding	<i>X</i>	<i>restricted water use.</i>
6. Clean-up Procedures	<i>X</i>	
7. Note on going construction in immediate area	<i>X fenced off</i>	
8. Safety	<i>X</i>	

COMMENTS REFERENCING ITEM NUMBER: *① landscaping is not started due to watering restrictions.**② Dragation has been installed but not turned on.**③ trash rack for basin at the east end of the detention*RECOMMENDATIONS: *Basin and trash rack for basin in large detention basin.*☒ TEMP. C.O.*Til Oct 1, 2002*☐ FINAL C.O.☐ DETAILED REINSPECTION☐ HOLD INSPECTION UNTIL LOT ELEVATION FIELD VERIFIED

PLANNING BOARD ENGINEER

MUNICIPAL ENGINEER

I _____, Authorized representative of _____, hereby acknowledge the above deficiencies, and further realize that the Certificate of Occupancy will be conditioned upon the acceptable resolution thereof within _____ days of the issuance of Certificate of Occupancy.

**THE BRICK TOWNSHIP
MUNICIPAL UTILITIES AUTHORITY**

1551 HIGHWAY 88 WEST
BRICK, NEW JERSEY 08724
458-7000

CERTIFICATE OF COMPLIANCE

Date.....7/26/02

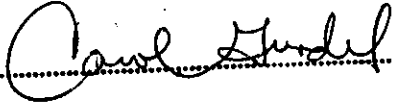
NAME.....~~Ninth~~^{Tenth} Venture

ADDRESS.....1195 Route 70 Lakewood, NJ 08701

PROPERTY LOCATION.....940 Cedarbridge Ave.OFFICE

Account No.....J954405 Block.....670 Lot.....9.03
spklr J950809

I hereby certify that the above applicant has complied with all Rules
and Regulations of this Authority and has paid all required fees and charges.

For the Authority.....



OCEAN COUNTY SOIL CONSERVATION DISTRICT

714 LACEY ROAD, FORKED RIVER, N.J. 08731
(609) 971-7002 Fax (609) 971-3391

REPORT OF COMPLIANCE

TO: CONSTRUCTION CODE OFFICIAL

MUNICIPALITY: Breck

PROJECT: Town Hall Steps

SCD NO.: 6576

BLOCK NO.(s) 670

LOT NO.(s) 9.01, 9.03

Final Compliance ☐

Conditional Compliance ☒

Block No.	Lot No.	Conditions
		This CONDITIONAL COMPLIANCE expires on <u>8/22/02</u> . The applicant is required to notify this office when work is PROPERLY COMPLETED. A \$75.00 re-inspection fee will be billed to the applicant for each day the required work is NOT properly completed.
		TOTAL FEES DUE: \$ <u>75--</u>

This verifies that the soil erosion and sediment control measures for the above designated block and lot numbers are in compliance to the extent indicated above with the soil erosion and sediment control plan as certified by the Ocean County Soil Conservation District and required by Chapter 251, P.L. 1975 as amended, the Soil Erosion and Sediment Control Act, (N.J.S.A. 4:24-39 et. seq.).

AGENT RESPONSIBLE FOR PROJECT: [Signature]

AUTHORIZED DISTRICT SIGNATURE: [Signature]

DATE: 7/22/02

DISTRIBUTION:

WHITE - Township
CANARY - Applicant
PINK - District

Office Building

CERTIFICATE OF APPROVAL FOR TENNANT FIT UP AND COMMERCIAL

Location 940 Cedar Bridge Block 670 Lot 9.03

Final Inspections needed if applicable as follows:

1. Final Building
2. Final Plumbing
3. Final Electric
4. Final Fire
5. Certificate of Compliance BTMUA
6. Final Engineering
7. Ocean County Soil
8. Affordable Housing

Report of Compliance from Ocean County Soils needed when; more than 5000 sq ft are disturbed. NEW COMMERCIAL Building that have been approved by PLANNING BD or BD OF ADJUSTMENT always need soil report.

FINALS

FINALS

FINALS

✓ BUILDING.....APPROVED.....7/31/02 OK

PLUMBING.....APPROVED.....7/24/02 OK

~~needs for update~~
X FIRE.....APPROVED.....7/31/02 OK

ELECTRIC.....APPROVED.....7/23/02 OK

ENGINEERING.....APPROVED.....TCO 10/1/02

O.C.SOIL.....APPROVED.....Temp 8/22/02

COMMERCIAL OCCUPANCY CARD.....

C.C. FROM B.T.M.U.A.....7/26/02
CALL THE WATER CO. BTMUA 458-7000 EXT. 224 OR 225 ASK WHETHER A C.C. IS NEEDED.

AFFORDABLE HOUSING.....7/5/02 OK
ALL COMMERCIAL APPLICATIONS MUST BE REVIEWED BY AFFORDABLE HOUSING BEFORE A C/A OR C/O IS ISSUED. SECOND HALF OF PAYMENT IS DUE AT THIS TIME.

670

9.03

Official Record 01-2196

Barlo & Assoc. P.A.

Architecture • Planning
92 Mantoloking Road
Brick, NJ 08723

Tel: 732-477-7751
Fax: 732-477-6788
E-mail: barloassoc@aol.com

May 10, 2002

Mr. Frank Mizer
Building Sub-Code Official
Township of Brick Building Department
401 Chambers Bridge Road
Brick, NJ 08723

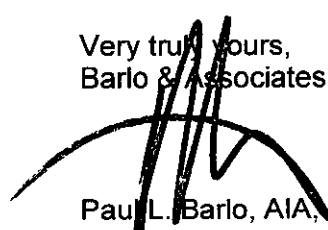
Re: Town Hall Shoppes
Office Building - 2nd Floor Fit-up
Block 670, Lot 9.03

Dear Mr. Mizer,

As per our discussion and your plan review comment, this letter is to notify you that we are revising the name of Room No. 214 on the above referenced project from "LIBRARY" to "REFERENCE" to better describe the use of the room and to correct any floor loading misconceptions the title "LIBRARY" may imply. The floor as designed meets code requirements for intended use.

Should you have any questions or require additional information, please do not hesitate to contact our office.

Very truly yours,
Barlo & Associates, P.A.



Paul L. Barlo, AIA, P.P.
NJ C7498

cc: Arch File



OCEAN COUNTY SOIL CONSERVATION DISTRICT

714 LACEY ROAD, FORKED RIVER, N.J. 08731
(609) 971-7002 Fax (609) 971-3391

REPORT OF COMPLIANCE

TO: CONSTRUCTION CODE OFFICIAL MUNICIPALITY: BRICK
PROJECT: TOWN HALL SHOP II SCD NO.: 6576
BLOCK NO.(s) 670 LOT NO.(s) 9.01, 9.03

Final Compliance ☐

Conditional Compliance ☒

Block No.	Lot No.	Conditions
		This CONDITIONAL COMPLIANCE expires on <u>10/15/02</u>. The applicant is required to notify this office when work is PROPERLY COMPLETED. A \$75.00 re-inspection fee will be billed to the applicant for each day the required work is NOT properly completed. <i>ALL REQUIRED WORK TO BE COMPLETED BY ABOVE DATE. NO ADDITIONAL EXTENSIONS WILL BE GRANTED.</i> TOTAL FEES DUE: \$ <u>150</u>

This verifies that the soil erosion and sediment control measures for the above designated block and lot numbers are in compliance to the extent indicated above with the soil erosion and sediment control plan as certified by the Ocean County Soil Conservation District and required by Chapter 251, P.L. 1975 as amended, the Soil Erosion and Sediment Control Act, (N.J.S.A. 4:24-39 et. seq.).

AGENT RESPONSIBLE FOR PROJECT: [Signature]
AUTHORIZED DISTRICT SIGNATURE: [Signature]
DATE: 9/27/02

DISTRIBUTION: WHITE - Township
CANARY - Applicant
PINK - District



OCEAN COUNTY SOIL CONSERVATION DISTRICT

714 LACEY ROAD, FORKED RIVER, N.J. 08731
(609) 971-7002 Fax (609) 971-3391

REPORT OF COMPLIANCE

TO: CONSTRUCTION CODE OFFICIAL MUNICIPALITY: BUCK
PROJECT: TOWN HALL SHOPPES II SCD NO.: 6576
BLOCK NO.(s) 670 LOT NO.(s) 9.01, 9.03

Final Compliance ☐

Conditional Compliance ☒

Block No.	Lot No.	Conditions
		This CONDITIONAL COMPLIANCE expires on <u>5/1/03</u>. The applicant is required to notify this office when work is PROPERLY COMPLETED. A \$75.00 re-inspection fee will be billed to the applicant for each day the required work is NOT properly completed. <i>TEMPORARY EROSION CONTROL MEASURES MUST BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED.</i>
		TOTAL FEES DUE: \$ <u>150</u>

This verifies that the soil erosion and sediment control measures for the above designated block and lot numbers are in compliance to the extent indicated above with the soil erosion and sediment control plan as certified by the Ocean County Soil Conservation District and required by Chapter 251, P.L. 1975 as amended, the Soil Erosion and Sediment Control Act, (N.J.S.A. 4:24-39 et. seq.).

AGENT RESPONSIBLE FOR PROJECT: _____

AUTHORIZED DISTRICT SIGNATURE: [Signature]

DATE: 10/4/02

DISTRIBUTION: WHITE - Township
CANARY - Applicant

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. Antón
Victor Cantillo
Gregory S. Kavanagh
Mary Lou Powner
Kathy M. Russell
Frederick J. Underwood, Sr.

Office of Affordable Housing
Carol A. Wolfe
Affordable Housing Administrator
(732) 262-1048

CASE # _____

APPROVAL DATE: _____

(Planning Board/BOA)

DATE: 11-22-00

TO: Frederick R. Millman, CTA
Tax Assessor

FROM: Carol A. Wolfe
Affordable Housing Administrator

RE: BLOCK 670 LOT 9.03 SITE ADDRESS 940 Cedar Bluffs

TYPE OF SITE _____
(Residential/Commercial)

TYPE OF BUSINESS OFFICE Bldg.

APPLICANT K. Stone

CITY & STATE Toms River, NJ

☒ Please review the attached application for an **estimated** assessed value for the proposed construction.

The **estimated** assessed value for the construction at the above referenced site is:

21,240

\$ 1911,600

Frederick R. Millman
Frederick R. Millman, CTA, Tax Assessor

11/22/00

Date

☐ Please review the attached application for a final assessed value for the construction at the above referenced site:

\$ 1911,600

Frederick R. Millman
Frederick R. Millman, CTA, Tax Assessor

5/14/02

Date

Ninth Venture, LLC

C/O Paramount Rty Svcs, Inc.
1195 Route 70, STE 2000
Lakewood, NJ 08701
OPERATING ACCOUNT

North Fork Bank
320 Park Avenue
New York, NY 10022
50-791/214

528

**** NINE THOUSAND FIVE HUNDRED FIFTY EIGHT AND 00/100 DOLLARS

TO THE
ORDER OF

05/21/02

\$9,558.00***

Township of Brick
401 Chamber Bridge Road
Brick, NJ 08723

To: Scott M. Pezarras, Chief Financial Officer
From: Lisa Rose Tavaiaicchio, Office of Affordable Housing
Re: Affordable Housing Fees

Business/Development:

Owner/Applicant:

Property Address:

Block:

Lot:

DEPOSIT RECEIVED

Mandatory Development Fee

Commercial

Residential

Inclusionary Development Fee

DATE: 5/31/02

Check Number

Preliminary Fee Paid

Final Fee Paid

FOR DEPOSIT ONLY - AFFORDABLE HOUSING TRUST ACCOUNT 36 367087

Collection of said fees as authorized by Township Ordinance
354-2C-93, is pursuant to N.J.S.A. 52:27D-301 et seq. And N.J.A.C. 5:92-18 et seq.

Received in Treasurer's Office by:

Signature

Date

OFFICE OF AFFORDABLE HOUSING

ANHT FIDF 5/31/02



OCEAN COUNTY SOIL CONSERVATION DISTRICT

714 LACEY ROAD, FORKED RIVER, N.J. 08731
(609) 971-7002 Fax (609) 971-3391

REPORT OF COMPLIANCE

TO: CONSTRUCTION CODE OFFICIAL MUNICIPALITY: BRICK
PROJECT: TOWN HALL STOPS II SCD NO.: 6576
BLOCK NO.(s) 670 LOT NO.(s) 9.01, 9.03

Final Compliance ☐

Conditional Compliance ☒

Block No.	Lot No.	Conditions
		This CONDITIONAL COMPLIANCE expires on <u>10/15/02</u>. The applicant is required to notify this office when work is PROPERLY COMPLETED. A \$75.00 re-inspection fee will be billed to the applicant for each day the required work is NOT properly completed. <i>ALL REQUIRED WORK TO BE COMPLETED BY ABOVE DATE. NO ADDITIONAL EXTENSIONS WILL BE GRANTED.</i>
		TOTAL FEES DUE: \$ <u>150</u>

This verifies that the soil erosion and sediment control measures for the above designated block and lot numbers are in compliance to the extent indicated above with the soil erosion and sediment control plan as certified by the Ocean County Soil Conservation District and required by Chapter 251, P.L. 1975 as amended, the Soil Erosion and Sediment Control Act, (N.J.S.A. 4:24-39 et. seq.).

AGENT RESPONSIBLE FOR PROJECT: [Signature]
AUTHORIZED DISTRICT SIGNATURE: [Signature]
DATE: 9/27/02

DISTRIBUTION: WHITE - Township
CANARY - Applicant
PINK - District

OFFICE Building

Township of Brick

Counter Form
(PLEASE PRINT)

01-2196 + B

update

Site Location: ~~940 Chambers Bridge Rd~~ 940 Cedar Bridge Ave
Block: 670 Lot: 9.04
Owner's Name: 9th Venture
Owner's Mailing Address: 1195 Rte 70 STE 2000
Lakewood NJ 08701
Phone: (732) 886-4550 244-6771 call for update

BUILDING

ELECTRICAL

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

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

Technical Data

Description of Work: _____

Technical Data

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

Type of Work

____ New Building	____ Siding
____ Addition	____ Fence
____ Alteration	____ Pool
____ Roofing	____ Demolition
____ Asbestos Abatement	____ Sign _____ sq ft

Building Characteristics

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

Cost of Alteration: \$ _____

Cost of New Building: \$ _____

Total Cost of New Building Work: \$ _____

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

Signature: _____

Please Print Name: _____

Pool (Receptacles, Switches, Lights, Motor 1HP)	_____
Spa/Hot Tub/Storable Pool	_____
Electric Range	_____ KW
Oven/Surface Unit	_____ KW
Electric Water Heater	_____ KW
Electric Dryer	_____ KW
Dishwasher	_____ KW
Garbage Disposal	_____ HP
A/C Unit - Central Air	_____ KW
Space Heater/Air Handler	_____ KW
Baseboard Heating	_____ KW
Motors 1+ HP	_____ KW
Transformer/Generator	_____ KW
Light Stander	_____ AMP
Service	_____ AMP
Subpanel	_____ AMI
Motor Control Center	_____ AMI
Sign/Outline Light	_____ KW
Furnace	_____
Steam Boiler	_____
Other:	_____

Estimated Cost of Electrical Work: _____

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

Signature: _____

Please Print Name: _____

CONTRACTOR'S SEAL

Counter Form
PLEASE PRINT

PLUMBING

Contractor: GPH Mechanical Inc
Address: 9 Camelot Dr
Toms River 1 NJ 08755
Phone #: 732 - 349 6560
Lis #: 2948
Federal Emp # or SSN 22-3188874

Technical Data

Fixtures	Quantity
Water Closets (Toilet)	
Urinals/Bidets	
Bath Tub (w/or w/out shower head)	
Lavatory (BR Sink)	
Shower	
Floor Drain	
Sink	
Dishwasher	
Drinking Fountain	
Washing Machine	
Hose Bib	
Gas Piping	
Fuel Oil Piping	
Water Heater	
Steam Boiler	
Hot Water Boiler	
Sewer Pump	
Interceptor/Separator	
Backflow Preventer	
Greasetrap	
Air Conditioner (Condensate Drain)	
Septic Tank Closure	
Sewer Service Connection	
Water Service Connection	
Active Solar System	
Auxiliary Meter	
Sprinkler Heads	
Sump Pump	
Pool Heater	
Other: <u>Water Meter Pit</u>	<u>2</u>

\$15 each

Estimated Cost of Plumbing Work \$2200⁰⁰

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: Jay R. Cantner
Please Print Name: Jay R. Cantner

CONTRACTOR'S SEAL

FIRE

Contractor: R. Stone & Co
Address: 36 WASHINGTON ST
Toms River 08753
Phone #: 244 6771
Lis #: 05097
Federal Emp # or SSN 22-2213402

Technical Data

Description of Work:

Heating Type: Gas Oil Electric Solar
Heating System is New Existing
Location of Furnace/Boiler: _____
Water Supply Source _____
Method of Valve Supervision _____
Local Alarm Supervision _____
Central Supervision: _____
Proprietary Supervision: _____

Flammable Storage Tanks _____ capacity _____ fuel
Combustible Storage Tanks _____ capacity _____ fuel
LPG Storage Tanks _____ capacity _____ fuel

Item	Quantity
Wet Sprinkler Heads	
Dry Sprinkler Heads	
Total	
Smoke Detectors	<u>10</u>
Heat Detectors	<u>10</u>
Total	<u>10</u>
Stand Pipes	
Kitchen Hood Exhaust System	
Pre-Engineered Systems:	
CO2 Suppression	
Halon Suppression	
Foam Suppression	
Dry Chemical	
Wet Chemical	

Gas/ Oil Fired Appliances:

Gas Stove _____
Gas Dryer _____
Furnace (Gas or Oil) _____
Gas Fireplace _____
Gas Logs _____
Total Appliances _____

Wood Burning Stove _____
Wood Fireplace _____
Other: _____

Estimated Cost of Fire Work \$2000

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: Robert Stone Jr.
Print Name: Robert Stone Jr.

CHANGE OF
CONTRACTOR

Township of Brick

Counter Form
(PLEASE PRINT)

Town Hall SHOPS
OFFICE BLDG.
COMMERCIAL

Site Location: 940 Cedar Bridge Avenue, Brick, NJ 08723
Block: 670 Lot: 903
Owner's Name: Ninth Venture, L.L.C.
Owner's Mailing Address: 1195 Route 70
Lakewood, NJ 08701
Phone: (732) 942-2363

BUILDING

Contractor: R. Stone & Company
Address: 36 Washington St., Ste. 1
Toms River, NJ 08753
Phone#: (732) 244-6771
Lic # 5097 Expires 7/31/02
Federal Emp # or SSN 22-213402

Technical Data

Description of Work:

Type of Work

☒ New Building ☐ Siding
☐ Addition ☐ Fence
☐ Alteration ☐ Pool
☐ Roofing ☐ Demolition
☐ Asbestos Abatement ☐ Sign sq ft

Building Characteristics

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

Cost of Alteration:

Cost of New Building:

Total Cost of Building Work:

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

Signature:

Please Print Name

ELECTRICAL

Contractor: PRECISION-ONE ELECTRIC CORP.
Address: PO. BOX 607
CLIFFWOOD, NJ 07721
Phone#: 732 - 264-7200
Lic #: 11381
Federal Emp # or SSN 22-3785695

Technical Data

Item	Quantity
Lighting Fixtures	<u>46</u>
Receptacles	<u>20</u>
Switches	<u>22</u>
Detectors	<u>8</u>
Light Poles	<u>—</u>
Motors w/ Fract. HP	<u>—</u>
Emergency & Exit Lights	<u>10</u>
Communication Points	<u>—</u>
Alarm Devices/FAC Panel	<u>20</u>
Total	<u>116</u>

Pool	<u>—</u>	
Spa/Hot Tub/Storable Pool	<u>—</u>	
Electric Range	<u>—</u>	KW
Oven/Surface Unit	<u>—</u>	KW
Electric Water Heater	<u>—</u>	KW
Electric Dryer	<u>—</u>	KW
Dishwasher	<u>—</u>	KW
Garbage Disposal	<u>—</u>	HP
A/C Unit - Central Air	<u>—</u>	KW
Space Heater/Air Handler	<u>10</u>	<u>5</u> KW
Baseboard Heating	<u>—</u>	KW
Motors 1+ HP	<u>14</u>	
Transformer/Generator	<u>—</u>	KW
Light Stander	<u>—</u>	AMP
Service	<u>1</u>	<u>1200</u> AMP <u>344W</u>
Subpanel	<u>9</u>	<u>150</u> AMP <u>344W</u>
Motor Control Center	<u>—</u>	AMP
Sign/Outline Light	<u>—</u>	KW
Furnace	<u>—</u>	
Steam Boiler	<u>—</u>	
Other:	<u>—</u>	

Estimated Cost of Electrical Work: \$48,000.00

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: Anthony V. Accardo Ra.
Please Print Name: Anthony V. Accardo PRES

CONTRACTOR'S SEAL

Counter Form
PLEASE PRINT

PLUMBING

FIRE

Contractor: _____
Address: _____
Phone #: _____
Lic #: _____
Federal Emp # or SSN _____

Contractor: R. Stone & Company
Address: 36 Washington St., Ste. 1
Toms River, NJ 08753
Phone #: (732) 244-6771
Lic #: 5097 (Expires 7/31/02)
Federal Emp # or SSN 22-213402

Technical Data

Fixtures _____ Quantity _____

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

Technical Data

Description of Work: _____

Heating Type: Gas _____ Oil _____ Electric _____ Solar _____
Heating System is _____ New _____ Existing _____
Location of Furnace/Boiler: _____

Water Supply Source _____
Method of Valve Supervision _____
Local Alarm Supervision _____
Central Supervision: _____
Proprietary Supervision: _____
Flammable Storage Tanks _____ capacity _____ fuel _____
Combustible Storage Tanks _____ capacity _____ fuel _____
LPG Storage Tanks _____ capacity _____ fuel _____

Item _____ Quantity _____

Wet Sprinkler Heads _____ 0
Dry Sprinkler Heads _____ 0
Total _____ 0

Smoke Detectors _____
Heat Detectors _____
Total _____

Stand Pipes _____ 0
Kitchen Hood Exhaust System _____ 0

Pre-Engineered Systems:
CO2 Suppression _____ 0
Halon Suppression _____ 0
Foam Suppression _____ 0
Dry Chemical _____ 0
Wet Chemical _____ 0

Gas/ Oil Fired Appliances:
Number of gas/oil fired appliances _____ 0

Furnace _____
Gas/Wood Fireplace _____ 0
Gas Logs _____ 0
Wood Burning Stove _____ 0
Other: _____

Estimated Cost of Fire Work _____

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

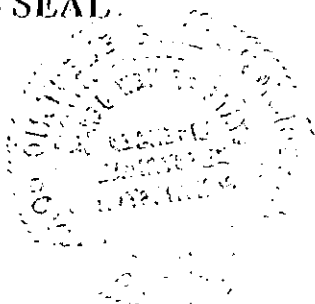
Signature: _____
Print Name: _____

Estimated Cost of Plumbing Work _____

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

Signature: _____
Please Print Name: _____

CONTRACTOR'S SEAL



Ninth Venture, LLC

C/O Paramount Rty Svcs, Inc.
1195 Route 70, STE 2000
Lakewood, NJ 08701
OPERATING ACCOUNT

Commercial Bank of NY
320 Park Ave
New York, NY 10022
1-1150/260

298

**** NINE THOUSAND FIVE HUNDRED FIFTY EIGHT AND 00/100 DOLLARS

TO THE
ORDER OF

11/29/00

\$9,558.00***

Township of Brick
401 Chamber Bridge Road
Brick, NJ 08723



Kathy M. Musson
Tony R. Shupin

To: Scott M. Pezarras, Chief Financial Officer
From: Carol A. Wolfe, Affordable Housing Administrator
Re: Affordable Housing Fees

Date: 12-1-00

Business/Development: OFFICE BLDG.
Owner/Applicant: R. Stone Company / Ninth Venture
Property Address: 940 Cedar Bridge Ave.
Block: 670 Lot: 9.63

DEPOSIT RECEIVED

Mandatory Development Fee

Commercial

Residential

Inclusionary Development Fee

Check Number 298

Estimated Fee \$ 19,116.00

Deposit Amount \$ 9,558.00

FINAL PAYMENT PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY

Mandatory Development Fee

Commercial

Residential

Inclusionary Development Fee

Check Number _____

Final Fee \$ _____

Less Deposit \$ _____

Final Payment \$ _____

FOR DEPOSIT ONLY - AFFORDABLE HOUSING TRUST ACCOUNT 36 367087

Collection of said fees as authorized by Township Ordinance
354-2C-93, as pursuant to N.J.S.A. 52:27D-301 et seq. And N.J.A.C. 5:92-18 et seq.

Received in Treasurer's Office by:

Signature

Date

AHBT PRELIMINARY APPROVAL

TOWNSHIP OF BRICK
PLOT PLAN REVIEW
CHECKLIST

COMMERCIAL

Townhall
Shoppers

BLOCK 670 LOTS 9.01, 9.02, 9.03 & 9.04 DATE RECEIVED 11/15/04
PROPERTY ADDRESS 970 Cedarbridge Ave. / Brick, NJ
APPLICANT Townhall Shoppers Joint Venture PHONE (732) 886-1500
ADDRESS 1195 Rt. 70 S-2000 / Lakewood, NJ
CONTRACTOR R. Stone & Company PHONE (732) 244-6771
ADDRESS 16 Madison Ave. / Tems River, NJ
TYPE OF WORK New Construction ZONING APPROVAL _____
FLOOD ZONE N/A FLOOD ELEV. _____
PANEL # _____ MAP # _____ DATE _____
PLANNING BOARD/BOARD OF ADJUSTMENT APPROVED YES _____ NO _____

		YES	NO	N/A
1.	PLAN SIGNED & SEALED			
2.	SCALE OF NOT LESS THAN 1"=50'			
3.	EXISTING ELEVATIONS (NGVD IN FLOOD ZONES)			
4.	PROPERTY LINES, CORNERS, BEARINGS & DISTANCES			
5.	STREET GUTTER, CURB & CENTER LINE ELEVATIONS			
6.	CONTOURS; 1' INCREMENTS			
7.	ADJACENT DWELLING CORNERS & CORNER ELEVATIONS			
8.	PROPOSED GRADING/ELEVATIONS			
9.	GARAGE/1ST FLOOR/CRAWLSPACE/BASEMENT ELEVATIONS			
10.	PROPOSED DWELLING, DIMENSIONS & CORNER ELEVATIONS			
11.	METHOD OF DRAINAGE			
12.	NORTH ARROW			
13.	DRIVEWAY WIDTH/TYPE			
14.	DIMENSIONS/ACREAGE OF PARCEL/SETBACK LINES			
15.	PROPERTY ADDRESS/LOT & BLOCK NUMBER			
16.	SIDEWALK, CURB AND APRONS			
17.	PARKING AREAS			
18.	UTILITY & CONNECTIONS; WATER/SEWER/GAS/ELECTRIC			
19.	PLANTINGS, SEEDLINGS, SCREENINGS, FENCES, SIGNS			
20.	STREET WIDTH, STREET NAME, RIGHT-OF-WAY WIDTH			
21.	LIMITS OF CLEARING			
22.	BASEMENTS/DEDICATIONS/ENVIRONMENTAL CONSTRAINTS			
23.	PRIOR APPR: ARMY CORP/NJDEP/SOIL EROSION, ETC.			
24.	EXISTING STRUCTURES			
25.	RETAINING WALLS/SERVICE WALKS/OTHER MISC. ITEMS			

PLOT PLAN REVIEW

APPROVED 11/22/04 REJECTED _____

[Signature] 11/22/04
SIGNED DATE

REVISION

APPROVED _____ REJECTED _____

SIGNED DATE

COMMENTS Site Plan

Townhall
Shoppers

Applicable to Ordinance 728-92

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

TOWNSHIP OF BRICK

980 Cedarbridge Ave. Brick, NJ 670 9.01, 9.02, 9.03 & 9.04
Work Site Address Block Lot

Townhall Shoppers Joint Venture 1195 Rt. 70 S-200 Lakewood, NJ 08701
Owner's Name, Address, Phone (732) 886-1500

R. Stone & Company 16 Madison Ave. Toms River, NJ 08753 (732) 244-6771
Contractor's Name, Address, Phone

Construction Two (2) Story office Bld.
Describe type (Single-family home, etc.)

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

Describe type and estimated quantity of material Construction Debris

Name, address and phone of party responsible for removal of debris:
Mr D Rosetta 211 N. Ocean Ave., S. Seaside Park, NJ (732) 270-3262

Size of dumpster: 30 Yarder

Destination of discarded debris: Ocean County Land Fill

Hauler's DEP Permit No.: DEP 15172

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

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

Robert E. Stone Jr 11-15-05
Printed/Typed Name Signature Date

FOR OFFICE USE ONLY

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

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