

BLOCK 071 LOT 101 QUALIFICATION CODE _____ ADDRESS (SITE) 54 Brick Plaza PERMIT NO. 18-1218



CONSTRUCTION PERMIT APPLICATION

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

C18-000722

I. IDENTIFICATION

1. Proposed Work Site at: Barnes & Noble 2803 54 Brick Plaza Bricktown, NJ 08723

2. Name of Owner in Fee: Federal Realty Investment Trust

Tel. (301) 998-8100 e-mail _____

Address 1626 E Jefferson Street Rockville, MD 20852

3. Ownership in Fee: Public _____ Private _____

4. Principal Contractor: SJ Alliance Mechanical Tel. (609) 704-8600

Address 601 S White Horse Pike e-mail _____

Hammonton, NJ 08037

License No. OR, if new home, Builder Reg. No. _____ Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason 13VH08091300

Federal Emp. ID No. 61-1723604 FAX: (609) 704-1101

5. Architect or Engineer _____ Contact _____

Address _____ e-mail _____

Tel. _____ FAX: _____

6. Responsible Person in Charge once Work has Begun Jeffrey Corliss

Tel. (609) 704-8600 FAX: (609) 704-1101

V. FEE SUMMARY (for office use only)

		Update	Update
1. Building	\$ <u>470</u>		
2. Electrical	<u>175</u>		
3. Plumbing	<u>600</u>		
4. Fire Protection	<u>625</u>		
5. Elevator Devices			
6. Subtotal			
7. Less 20% for State Plan Review	\$		
8. Subtotal	\$		
9. State Permit Surcharge Fee	<u>22</u>		
10. Subtotal	\$		
11. Cert. of Occupancy			
12. Other			
13. TOTAL	\$		

VI. BUILDING/SITE CHARACTERISTICS

1. Number of Stories _____

2. Height of Structure _____

3. Area — Largest Floor _____ sq. ft.

4. New Building Area _____ sq. ft.

5. Volume of New Structure _____ cu. ft.

6. Max. Live Load _____

7. Max. Occupancy Load _____

8. If Industrialized Building: State Approved _____ HUD _____

9. Total Land Area Disturbed _____ sq. ft.

10. Flood Hazard Zone _____

11. Base Flood Elevation _____ ft.

12. Wetlands yes _____ no _____

IIa. PROPOSED WORK

- ☐ Minor Work ☐ New Building ☐ Addition ☐ Demolition
- ☐ Repair ☒ Alteration ☐ Renovation ☐ Reconstruction
- ☐ Asbestos Abat. -Subch. 8 ☐ Lead Hazard Abatement ☐ Radon Remediation ☐ Annual Permit

IIb. SUBCODES

(Check all that apply)

- ☒ Building
- ☒ Electrical
- ☒ Plumbing
- ☒ Fire Protection
- ☐ Elevator

FOR OFFICE USE ONLY (Optional)

Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Rejection	Re-viewer
9,400				<u>04/24/18</u>	<u>KCK</u>			
1,050				<u>3/1/18</u>	<u>PE</u>			
525				<u>3-7-18</u>	<u>AS</u>			
525				<u>3/12/18</u>	<u>NO 4/2/18</u>			<u>AS</u>

TOTAL COST \$11,500

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL (primary use)

1. State Specific Use: _____
2. Use Group, Proposed: Select Group _____
3. Change in Use Group, Indicate Present: Select Group _____
4. No. of dwelling units: Total Units Income-restricted
- Gained, Sale _____
- Gained, Rental _____
- Lost, Sale _____
- Lost, Rental _____

B. NON-RESIDENTIAL (primary use)

1. State Specific Use: _____
2. Use Group, Proposed: Select Group _____
3. Change in Use Group, Indicate Present: Select Group _____

C. MIXED USE -List secondary use(s): _____

- D. Construct. Classification: Present _____
- Proposed _____

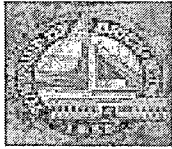
III. PLAN REVIEW (optional)

DO YOU WANT:

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/Standpipes
8. ☐ Smoke Control Systems in Open Wells
9. ☐ Underground Storage Tanks
10. ☐ Swimming Pools, Spas and Hot Tubs
11. ☐ LPGas Tanks
12. ☐ Fire Alarm



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 8/3/2018
Control Number C-18-000722
Permit Number 18-1218
Permit Issue Date 5/4/2018
Certificate Number 18-1218

Certificate

Construction Code Division
(Certificate of Approval)

Identification

Work Site Location: 56 CHAMBERS BRIDGE RD. Brick Township, NJ Block: 671 Lot: 1.01 Qual: _____
Owner in Fee: FEDERAL REALTY INVESTMENT TRUST
Owner Address: 1626 EAST JEFFERSON ST ROCKVILLE MD 20852
Telephone: (301) 988-8100
Contractor: SJ ALLIANCE MECHANICAL
Address: 601 SOUTH WHITEHORSE PIKE HAMMONTON NJ 08037
Telephone: (609) 704-8600 Fax: (609) 704-1101
License Number or Builders Registration Number: _____ Federal Emp. Number: 61-1723604
Home Warranty Number: _____
Type of Warranty Plan: ☐ State ☐ Private
Use Group: M Construction Classification: _____
Maximum Live Load: 0 Maximum Occupancy Load: 0
Description of Work/Use: HVAC - - BARNES & NOBLE ...DIRECT REPLACEMENT OF (7) R.T.U.'S

Certificate Comments:

☐ **Certificate of Occupancy**

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

☒ **Certificate of Approval**

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

☐ **Certificate of Continued Occupancy**

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

☐ **Temporary Certificate of Compliance**

The following conditions must be met no later than or the owner will be subject to fine or order to vacate:
This certificate has an expiration date of:
Conditions to be met:

☐ **Certificate of Clearance - Lead Abatement 5:17**

This serves notice that based on written certification, lead abatement was performed as per NJAC5:17 to the following extent.

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

☐ **Certificate of Clearance - Asbestos Abatement**

This serves notice that based on written certification, asbestos abatement was performed to the following extent.

- ☐ Total removal of asbestos hazards in scope of work
☐ Partial or limited time period (years); see file

☐ **Certificate of Compliance**

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

☐ **Temporary Certificate of Occupancy**

The following conditions must be met no later than:
or the owner will be subject to fine or order to vacate:
This certificate has an expiration date of:
Conditions to be met:

Construction Official

Date Printed: 8/3/2018

U.C.C. F260 (rev. 08/05)

Fee: \$0.00

Check Number: _____

Collected By: _____

Page 1

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(f)1.ix:

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. 5:23-2.15(d): the proposed work is authorized by the owner in fee; and I have been authorized by the owner in fee to make this application as his agent.

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

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

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

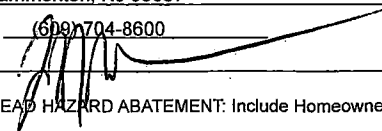
(x) Check if contractor.

Agent Name SJ Alliance Mechanical

Address 601 S White Horse Pike

Hammonton, NJ 08037

Telephone (609) 704-8600

Signature 

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



FIRE PROTECTION SUBCODE TECHNICAL SECTION



Date Received
Control #

Date Issued
Permit #

5/4/18

18-1218

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

Block 1071 Lot 1.01 Qualification Code _____

Work Site Location Barnes & Noble 2803

44 Brick Plaza Bricktown, NJ 08723 510 Brick Plaza

Owner in Fee: Federal Realty Investment Trust

Tel. (301) 998-8100 e-mail _____

Address 1626 E Jefferson Street Rockville, MD 20852

Contractor: SJ Alliance Mechanical municipality _____ Tel. (609) 704-8600 city code _____

Address 601 S White Horse Pike e-mail _____

Hammonton, NJ 08037

Fire Protection Equipment, NJ Div of Fire Safety Permit No. _____

Fire Protection Equipment, NJ Div of Fire Safety Installer No. _____

Fire Alarm Contractor No. _____ Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason 13VH08091300

Federal Emp. ID No. 61-1723604 FAX: (609) 704-1101

B. FIRE PROTECTION CHARACTERISTICS

Use Group: Present _____ Proposed _____

Constr. Class: Present _____ Proposed _____

Heating System: [] New OR [] Modification to Existing
OR [] Conversion OR [☒] Replacement

Fuel Type: [] Gas [] Oil [] Electric [] Solar
[] Other _____

Location: _____

Total Cost of Fire Protection Work \$ 525

Fuel Storage Tank:

Fuel Type: [] Flammable OR [] Combustible

Capacity _____

Fire Alarm System: [] New OR [] Existing

Location of Panel: _____

Fire Suppression/Standpipe System:

[] New OR [] Existing

Location of Main Control Valve: _____

JOB SUMMARY (Office Use Only)

PLAN REVIEW

[] No Plans Required

[] Partial - Underslab Utilities Approved

Date: _____ Approved by: _____

[☒] Fire Protection Plans Approved

Date: _____ Approved by: _____

Joint Plan Review Required: _____

[] Bldg. [] Elec. [] Plumb. [] Elev.

SUBCODE APPROVAL for PERMIT

Date: 5-1-18

Approved by: [Signature]

SUBCODE APPROVAL for CERTIFICATE

[] CO [] CCO [] CA

Date: _____

Approved by: _____

INSPECTIONS

Type: Failure Failure Approval Initial

Alarm System _____

Suppression Sys. _____

Standpipe _____

Fire Pump _____

Pre-Eng. System _____

Mechanical _____

Smoke Control _____

TCO _____

Flam/Combust Tanks _____

Fireplace Venting _____

Final _____

Other _____

Dates (Month/Day)

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.

Applicant/Contractor
sign here: _____

Print name here: Jeffrey Corliss

D. TECHNICAL SITE DATA [] Certified Contractor [] Exempt Applicant

DESCRIPTION OF WORK:

Water Supply Source Replace w/same in kind (7) HVAC Rooftop Units

Method of Alarm/Suppression System Supervision _____

Flammable/Combustible Tanks _____

Alarm Systems

[] System

[] 110v Interconnected

[] CO Detectors/110v

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

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

Signaling Devices (i.e., horn/strobes, bells) _____

Other Devices _____

TOTAL 0

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 _____

FM200 Suppression _____

Other _____

Other Systems

Kitchen Hood Exhaust System _____

Smoke Control System _____

Fuel-Fired Appliances ☒ Gas [] Oil [] Solid 7

Fireplace Venting/Metal Chimney _____

Other _____

Administrative Surcharge \$ _____

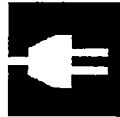
Minimum Fee \$ _____

State Permit Surcharge Fee \$ _____

TOTAL FEE \$ _____



ELECTRICAL 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 6041 Lot 1.01 Qualification Code _____

Work Site Location Barnes & Noble 2803
44 Brick Plaza Bricktown, NJ 08723 510 Brick Plaza

Owner in Fee: Federal Realty Investment Trust

Tel. (301) 998-8100 e-mail _____

Address 1626 E Jefferson Street Rockville, MD 20852

Contractor: SJ Alliance Mechanical Tel. (609) 704-8600

Address 601 S White Horse Pike e-mail _____

Hammonton, NJ 08037

Contractor License No. _____ Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason 13VH08091300

Federal Emp. ID No. 61-1723604 FAX: (609) 704-1101

B. ELECTRICAL CHARACTERISTICS

Use Group Present _____ Proposed _____

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

Building Occupied as _____ Utility Co. _____

Est. Cost of Elec. Work \$ 1,050

JOB SUMMARY (Office Use Only)		INSPECTIONS		Dates (Month/Day)		
PLAN REVIEW		Type:	Failure	Failure	Approval	Initial
[] No Plans Required		Rough				
[] Partial -Underslab Utilities Approved		Barrier-Free				
Date: _____ Approved by: _____		Trench				
[x] Electric Plans Approved <u>SPECS.</u>		Temp. Serv.				
Date: <u>3/1/18</u> Approved by: <u>PTC</u>		Constr. Serv.				
Joint Plan Review Required:		TCO				
[] Bldg. [] Plumb. [] Fire. [] Elev.		Other				
SUBCODE APPROVAL for PERMIT		Service				
Date: <u>3/1/18</u>		Final				
Approved by: _____		Barrier-Free				
SUBCODE APPROVAL for CERTIFICATE		Temp. Cut-in-Card Date Issued				
[] CO [] CCO [] CA		Final Cut-in-Card Date Issued				
Date: <u>6/15/18</u>		Annual Pool Inspection				
Approved by: _____		Date of Grounding and Bonding				
		Certification				

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 sign/Contractor sign and seal here: _____

Print name here: Jeffrey Corliss

[] Licensed Elec. Contractor [] Certif'd Landscape Irrigation Cont'r [] Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK:
Disconnect/Reconnect (7) HVAC Rooftop Units

QTY.	SIZE	ITEMS	FEE (Office Use Only)
_____	_____	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 Elec. Range/Receptacle	_____
_____	_____	KW Oven/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/+ HP	_____
_____	_____	KW Transformer/Generator	_____
_____	_____	AMP Service	_____
_____	_____	AMP Subpanels	_____
_____	_____	AMP Motor Control Center	_____
_____	_____	KW Elec. Sign/Outline Light	_____

Administrative Surcharge \$ _____
Minimum Fee \$ _____
State Permit Surcharge Fee \$ _____
TOTAL FEE \$ _____



PLUMBING 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 671 Lot 1.01 Qualification Code _____

Work Site Location Barnes & Noble 2803

44 Brick Plaza Bricktown, NJ 08723

Owner in Fee: Federal Realty Investment Trust

Tel. (301) 998-8100 e-mail _____

Address 1626 E Jefferson Street Rockville, MD 20852

Contractor: SJ Alliance Mechanical Tel. (609) 704-8600

Address 601 S White Horse Pike e-mail _____
Hammonton, NJ 08037

Contractor License No. 19HC00790700 Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason _____

Federal Emp. ID No. 61-1723604 FAX: (609) 704-1101

B. PLUMBING CHARACTERISTICS

Use Group Present _____ Proposed _____

Building Sewer Size _____ Public Sewer _____ Private Septic _____

Water Service Size _____ Public Water _____ Private Well _____

Est. Cost of Plumbing Work \$ 525

JOB SUMMARY (Office Use Only)

PLAN REVIEW		INSPECTIONS			
		Dates (Month/Day)			
		Type:	Failure	Approval	Initial
☐ No Plans Required		Slab			
☐ Partial Underslab Utilities Approved		Rough			
Date: _____ Approved by: _____		Water			
☐ Plumbing Plans Approved		Sewer			
Date: _____ Approved by: _____		Fixtures			
Joint Plan Review Required:		Gas Equipment			
☐ Bldg. ☐ Elec. ☐ Fire ☐ Elev.		Gas Piping			
SUBCODE APPROVAL for PERMIT		LPGas Tank			
Date: <u>5-7-18</u>		Fuel Oil Piping			
Approved by: _____		Solar			
SUBCODE APPROVAL for CERTIFICATE		TCO			
☐ CO ☐ CCO ☐ CA		Final	<u>6-18-18</u>	<u>7-27-18</u>	<u>JD</u>
Date: <u>7-27-18</u>					
Approved by: _____					

C. CERTIFICATION IN LIEU OF OATH

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

Applicant sign/Contractor sign and seal here: _____

Print name here: Jeffrey Hedge

☐ Licensed Plumbing Contractor ☐ Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

Disconnect/Reconnect (7) Gas Pipe (7) Condensate Drains

QTY.	FIXTURE/EQUIPMENT	FEE (Office Use Only)
_____	Water Closet	\$ _____
_____	Urinal/Bidet	_____
_____	Bath Tub	_____
_____	Lavatory	_____
_____	Shower	_____
_____	Floor Drain	_____
_____	Sink	_____
_____	Dishwasher	_____
_____	Drinking Fountain	_____
_____	Washing Machine	_____
_____	Hose Bibb	_____
_____	Water Heater	_____
_____	Fuel Oil Piping	_____
<u>7</u>	Gas Piping	_____
_____	LPGas Tank	_____
_____	Steam Boiler	_____
_____	Hot Water Boiler	_____
_____	Sewer Pump	_____
_____	Interceptor/Separator	_____
_____	Backflow Preventer	_____
_____	Greasetrap	_____
_____	Sewer Connection	_____
_____	Water Service Connection	_____
_____	Stacks	_____
<u>7</u>	Other <u>Condensate</u>	_____

Administrative Surcharge \$ _____
Minimum Fee \$ _____
State Permit Surcharge Fee \$ _____
TOTAL FEE \$ _____

6-15-18 ~~18~~

Print Fitting

Bend Radius or ess + not Approved.



FIRE PROTECTION 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 071 Lot 1.01 Qualification Code _____

Work Site Location Barnes & Noble 2803

44 Brick Plaza Bricktown, NJ 08723 56 Brick Plaza

Owner in Fee: Federal Realty Investment Trust

Tel. (301) 998-8100 e-mail _____

Address 1626 E Jefferson Street Rockville, MD 20852

Contractor: SJ Alliance Mechanical municipality _____ Tel. (609) 704-8600 zip code _____

Address 601 S White Horse Pike e-mail _____

Hammonton, NJ 08037

Fire Protection Equipment, NJ Div of Fire Safety Permit No. _____

Fire Protection Equipment, NJ Div of Fire Safety Installer No. _____

Fire Alarm Contractor No. _____ Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason 13VH08091300

Federal Emp. ID No. 61-1723604 FAX: (609) 704-1101

B. FIRE PROTECTION CHARACTERISTICS

Use Group: Present _____ Proposed _____

Constr. Class: Present _____ Proposed _____

Heating System: ☐ New OR ☐ Modification to Existing
OR ☐ Conversion OR ☒ Replacement

Fuel Type: ☐ Gas ☐ Oil ☐ Electric ☐ Solar
☐ Other _____

Location: _____

Total Cost of Fire Protection Work \$ 525

Fuel Storage Tank:

Fuel Type: ☐ Flammable OR ☐ Combustible
Capacity _____

Fire Alarm System: ☐ New OR ☐ Existing

Location of Panel: _____

Fire Suppression/Standpipe System:

☐ New OR ☐ Existing

Location of Main Control Valve: _____

JOB SUMMARY (Office Use Only)		INSPECTIONS		Dates (Month/Day)	
PLAN REVIEW		Type:	Failure	Failure	Approval Initial
☐ No Plans Required		Alarm System	_____	_____	_____
☐ Partial - Underslab Utilities Approved		Suppression Sys.	_____	_____	_____
Date: _____ Approved by: _____		Standpipe	_____	_____	_____
☒ Fire Protection Plans Approved		Fire Pump	_____	_____	_____
Date: _____ Approved by: _____		Pre-Eng. System	_____	_____	_____
Joint Plan Review Required: _____		Mechanical	_____	_____	6-5-18 PM
☐ Bldg. ☐ Elec. ☐ Plumb. ☐ Elev.		Smoke Control	_____	_____	_____
SUBCODE APPROVAL for PERMIT		TCO	_____	_____	_____
Date: <u>5-1-18</u>		Flam/Combust Tanks	_____	_____	_____
Approved by: _____		Fireplace Venting	_____	_____	_____
SUBCODE APPROVAL for CERTIFICATE		Final	_____	_____	6-5-18 PM
☐ CO ☐ CCO ☐ CA		Other	_____	_____	_____
Date: _____					
Approved by: _____					

U.C.C. F140 (rev. 02/11) Applicant: When submitting this form to your Local Construction Code Enforcement Office, please provide one Internet version original plus three photocopies.

NW

Date Received
Control #

5/4/18

Date Issued
Permit #

18-1218

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.

Applicant/Contractor
sign here: _____

Print name here: Jeffrey Corliss

☐ Certified Contractor ☐ Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK:
Water Supply Source Replace w/same in kind (7) HVAC Rooftop Units
Method of Alarm/Suppression System Supervision

	NUMBER	FEE (Office Use Only)
Flammable/Combustible Tanks	_____	\$ _____
Alarm Systems	_____	_____
☐ System	_____	_____
☐ 110v Interconnected	_____	_____
☐ CO Detectors/110v	_____	_____
Alarm Devices (i.e., smoke, heat, pulls, water/flow)	_____	_____
Supervisory Devices (i.e., tampers, low/high air)	_____	_____
Signaling Devices (i.e., horn/strobes, bells)	_____	_____
Other Devices	_____	_____
TOTAL	<u>0</u>	_____
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	_____	_____
CO ₂ Suppression	_____	_____
Foam Suppression	_____	_____
FM200 Suppression	_____	_____
Other _____	_____	_____
Other Systems	_____	_____
Kitchen Hood Exhaust System	_____	_____
Smoke Control System	_____	_____
Fuel-Fired Appliances ☒ Gas ☐ Oil ☐ Solid <u>7</u>	_____	_____
Fireplace Venting/Metal Chimney	_____	_____
Other _____	_____	_____

Administrative Surcharge \$ _____
Minimum Fee \$ _____
State Permit Surcharge Fee \$ _____
TOTAL FEE \$ _____



SJ Alliance Mechanical

Heating & Cooling

Fire Sub code

Block: 671 Lot: 1.01

56 Chambers Bridge Rd

Control Number: C-18-000722

Dear Richard Orlando,

Pas per our conversation on 4/16/2018, The existing duct detectors are located in the duct work, below the roof line, inside the building and will not be replaced/changed as part of the HVAC Rooftop unit replacements.

Thanks

Jason A Young
Service Manager
SJ Alliance mechanical



CONSTRUCTION PERMIT

Date Issued 5/4/18
Control # C-18-000722
Permit # 18-1218

IDENTIFICATION Block: 671 Lot: 1.01 Qualifier _____
Work Site Location: 56 CHAMBERS BRIDGE RD. Brick Township, NJ Contractor SJ ALLIANCE MECHANICAL
Address 601 SOUTH WHITEHORSE PIKE HAMMONTON NJ
Owner in Fee FEDERAL REALTY INVESTMENT TRUST 08037
1626 EAST JEFFERSON ST ROCKVILLE MD Telephone: (609) 704-8600
20852 Lic. No. or Bldrs. Reg. No. 19HC00681200 19HC00681200
Telephone: (301) 988-8100 Federal Employee No. 61-1723804

Is hereby granted permission to perform the following work:

- ☒ BUILDING ☒ PLUMBING ☐ LEAD HAZARD ABATEMENT
☒ ELECTRICAL ☒ FIRE PROTECTION ☐ DEMOLITION
☐ ELEVATOR DEVICES ☐ ASBESTOS ABATEMENT (Subchapter 8 only) ☐ OTHER

DESCRIPTION OF WORK:

HVAC - BARNES & NOBLE...DIRECT REPLACEMENT OF (7) R.T.U.'S

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 \$11,500

D. Newman
Construction Official

5/2/18
Date

U.C.C. F170
equiv (rev 1/04)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

PAYMENTS (Office Use Only)

Building	\$470
Electrical	\$175
Plumbing	\$600
Fire Protection	\$625
Elevator Devices	\$0
Other	\$0.00
DCA Training Fee	\$22
CO Fee	
Other	\$0
Total	\$1,892
Check No.	<u>8407</u>
Cash	\$0
Credit	\$0
Collected By	<u>CW</u>

REQUIRED INSPECTIONS

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

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval granted.

☐ Required inspections for all subcodes for one- and two-family dwellings are as follows:

- The bottom of footing trenches before placement of footings, except that in cases of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
- Foundations and all walls up to grade level prior to back filling.
- All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and /or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
- Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

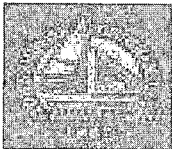
Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

☒ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

☒ A complete copy of released plans must be kept on the job site.

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



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723
(732) 262-1030

4/25/18
Faxed
jft
CW

Subcode Official Review

Date: Monday, March 12, 2018

To: FEDERAL REALTY INVESTMENT TRUST
1626 EAST JEFFERSON ST
ROCKVILLE, MD 20852

RE: Fire Subcode
Block: 671 Lot: 1.01 Qual:
56 CHAMBERS BRIDGE RD.
Permit Number: Control Number: C-18-000722
Last Submit Date: Thursday, March 08, 2018

Dear FEDERAL REALTY INVESTMENT TRUST,

Your request is hereby denied based upon the following infractions.

1. Please supply information if units are connected to the fire alarm system.
2. All units to be labeled as to tenant space that it serves.

Sincerely,

Richard Orlando, Subcode Official

CC:

Resubmit 4/25/18 (NP)

State Of New Jersey
New Jersey Office of the Attorney General
Division of Consumer Affairs

THIS IS TO CERTIFY THAT THE
Board of Exam. of HVACR Contractors

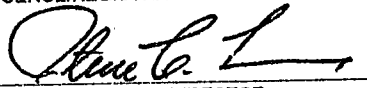
HAS LICENSED

Jeffrey A. Hedge
601 South Whitehorse Pike
Hammononton NJ 08037

FOR PRACTICE IN NEW JERSEY AS A(N): Master HVACR Contractor

05/18/2016 TO 06/30/2018
VALID

19HC00790700
LICENSE/REGISTRATION/CERTIFICATION #


ACTING DIRECTOR

Signature of Licensee/Registrant/Certificate Holder

New Jersey Office of the Attorney General
Division of Consumer Affairs
THIS IS TO CERTIFY THAT THE
Board of Exam. of HVACR Contractors
HAS LICENSED
Jeffrey A. Hedge
Master HVACR Contractor

05/18/2016 TO 06/30/2018

VALID

19HC00790700

License/Registration/Certificate #

SIGNATURE

ACTING DIRECTOR

PLEASE DETACH HERE
IF YOUR LICENSE/REGISTRATION/
CERTIFICATE ID CARD IS LOST
PLEASE NOTIFY:
Board of Exam. of HVACR Contractors
P.O. Box 47031
Newark, NJ 07101

PLEASE DETACH HERE



Product Submittal

Project Information

Project Name: Barnes & Noble #2803-Brick, NJ

Revision #2 Unit #4 – Added Humiditrol & Re-Quoted Curb Adapters

Project Number: 3000725560

Project Location: 44 BRICK PLAZA BRICK, NJ 08723, US

Project Altitude: 1200

Customer Information

Company Name:

Company Address:

Company Location:

Contact:

Phone:

Engineering Information

Company Name:

Company Address:

Company Location:

Contact:

Phone:

We are pleased to provide the attached project submittal. If you have any questions or need additional information, please feel free to call our office.

Table of Contents

System ID	Qty	Model	Description
RTU #3,6,7,9 - 10 TONS	4	LGH122U4M	PKGGE/10TON/CONFIGURABLE
RTU #8 - 5 TONS	1	LGH060U4E	PKGGE/5TON/CONFIGURABLE
RTU #10 - 3 TONS	1	LGH036U4E	PKGGE/3TON/CONFIGURABLE
RTU #4 - 10 TONS	1	LGH120H4M	PKGGE/10TON/CONFIGURABLE

Lennox Industries Inc. - Product Submittal

System ID: RTU #3,6,7,9 - 10 TONS

Package Model: LGH122U4M

Description: PKGGE/10TON/CONFIGURABLE

HEATING PERFORMANCE

Unit Type	Packaged Gas Electric	Gas Supply Connection	0.75 (in.)
H/E LowInput	156000 (Btuh)	H/E Heat Rise	44.4 (°F)
H/E LowOutput	124800 (Btuh)	AFUE/ ThermalEff	80
H/E HighInput	240000 (Btuh)	Number of Heating Stages	2
H/E HighOutput	192000 (Btuh)	Gas Supply Pressure	7 (in.WC)
System HeatOutput	192000 (Btuh)		

COOLING PERFORMANCE

Refrigerant	R-410A	Number Compressors	2
ARI EER	12.6	Number of Cooling Stages	2
ARI IEER	19.2	Condensate Drain Size	1.00 (in.)
ARI Total Power	8800 (W)	Cooling OutdoorDB	95.0 (°F)
ARI GrossTotalCool	119000 (Btuh)	Cooling CondenserDB	95.0 (°F)
ARI NetTotalCool	116000 (Btuh)	Cooling MixedDB	80.0 (°F)
Coil GrossTotalCool	121400 (Btuh)	Cooling MixedWB	67.0 (°F)
Unit NetTotalCool	114462 (Btuh)	Coil DischargeDB	59.3 (°F)
Coil GrossSensCool	83766 (Btuh)	Coil DischargeWB	56.9 (°F)
Unit NetSensCool	76828 (Btuh)	Unit DischargeDB	60.8 (°F)
Tube/Fin Refrigerant Charge	29 LBS. 0 OZ.	Unit DischargeWB	57.5 (°F)
		Coil MoistureRemoval	35.5 (lb/hr)
		System MoistRemoval	35.5 (lb/hr)

SUPPLY FAN PERFORMANCE

Supply AirFlow	4000 (cfm)	TotalStaticPress	1.25 (in.WC)
ExtStaticPress Supply	0.70 (in.WC)	Wet Coil Static Press	0.14 (in.WC)
SupplyFan Req'dPower	2.32 (hp)	Gas H/E Static Press	0.22 (in.WC)
SupplyFan NomPower	3.00 (hp)	Economizer Static Press	0.19 (in.WC)
Supply Fan Type	MSAV Belt Drive	Air Filter Qty	4
SupplyDriveReq'd RPM	941 (rpm)	Air Filter Length	20.0 (in.)
SupplyDrive Min RPM	730 (rpm)	Air Filter Width	25.0 (in.)
SupplyDrive Max RPM	970 (rpm)	Air Filter Thickness	2.0 (in.)
		Number Exhaust Fans	1

ELECTRICAL

Voltage	460V 3Ph	SupplyFan FLA	4.8 (amp)
Frequency	60 (Hz)	CondensingUnit FLA	4.2 (amp)
System MCA	30.0 (amp)	CondenserFan Power	650 (W)
System MOCP	35 (amp)		
Compressors RLA	15.0 (amp)		
Cooling FLA Total	24.0 (amp)		
Unit Oper Range-Nom Voltage	+/- 10%		

DIMENSIONS

Cabinet Width	60.1 (in.)	Downflow Supply Length	20.0 (in.)
Cabinet Length	124.4 (in.)	Downflow Supply Width	28.0 (in.)
Cabinet Height	46.9 (in.)	Downflow Return Length	24.0 (in.)
Total Weight	1426 (lb)	Downflow Return Width	27.0 (in.)

SOUND

Outdoor Sound Rating	81 (db)
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Lennox Industries Inc. - Product Submittal

System ID: RTU #3,6,7,9 - 10 TONS

Package Model: LGH122U4M

Description: PKGGE/10TON/CONFIGURABLE

SYSTEM FEATURES

Durable Outdoor Enamel Paint Finish	Timed Off Control
Pre-charged Refrigeration System	AGA-CGA Certified
Expansion Valves	Units will operate cooling down to 0 degrees F (-17.7 degrees C) without additional controls.
High Capacity Driers	Redundant Comb. Gas Control Valve
Auto reset high & low pressure switch with strike 3 lockout feature in Prodigy unit controller	Electronic Flame Sensor
Totally Enclosed Fan Motor	Direct Spark Ignition
PVC Coated Fan Guard	Separate Compressor and Controls Compartment
Fan and Limit Controls	Advanced controls with Prodigy Control System
Factory Test Operated	Limited compressor warranty of 5 years
Bonded for Grounding	Limited warranty on Prodigy Unit Controller of 3 years
Internal Pressure Relief Valve	Limited warranty on all other components of 1 year
Overload Protection	See Limited Warranty Certificate included with unit for details
Crankcase Heater Test	

INCLUDED SYSTEM OPTIONS - FACTORY INSTALLED

STD STATIC POWER EXHAUST FAN/W HOOD
SINGLE ENTHALPY ECONOMIZER/W HOOD
HIGH PERF ECONOMIZER
MULTI-STAGE AIR VOLUME
HINGED ACCESS DOORS
TUBE AND FIN COIL SYSTEM
DISCONNECT - WEATHERPROOF
GFCI - FACTORY INSTALLED/NON-POWERED
PHASE MONITOR
STANDARD CAP
2 IN MERV4 FILTER

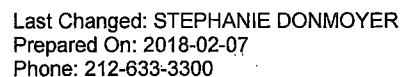
INCLUDED SYSTEM OPTIONS - FIELD INSTALLED

131R06 4 FIGARD5TBPI MESH FAN/COIL GUARD

Description: PKGGE/10TON/CONFIGURABLE

Model No.	CORNER WEIGHTS														CENTER OF GRAVITY									
	AA				BB				CC				DD				EE				FF			
	Base		Max.		Base		Max.		Base		Max.		Base		Max.		Base		Max.		Base		Max.	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	in.	mm	in.	mm	in.	mm	in.	mm
004	308	140	358	162	223	101	254	115	308	139	336	152	423	182	474	215	52.5	1333	51.25	1302	25	635	26.25	667
122	310	141	361	164	224	102	256	116	309	140	339	154	427	184	478	217	52.5	1333	51.25	1302	25	635	26.25	667
152	313	142	363	165	226	103	258	117	311	141	341	155	430	185	481	218	52.5	1333	51.25	1302	25	635	26.25	667

Max. Unit - The unit with ALL INTERNAL OPTIONS installed. (Economizer, Standard Static Power Exhaust Fans, Controls, etc.). Does not include accessories external to unit or high static power exhaust.



Lennox Industries Inc. - Product Submittal

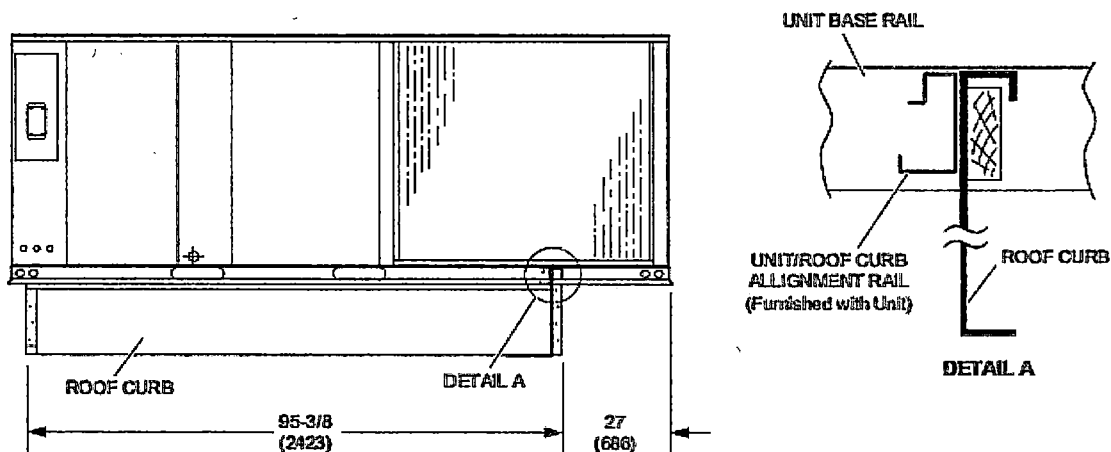
System ID: RTU #3,6,7,9 - 10 TONS

Package Model: LGH122U4M

Description: PKGGE/10TON/CONFIGURABLE

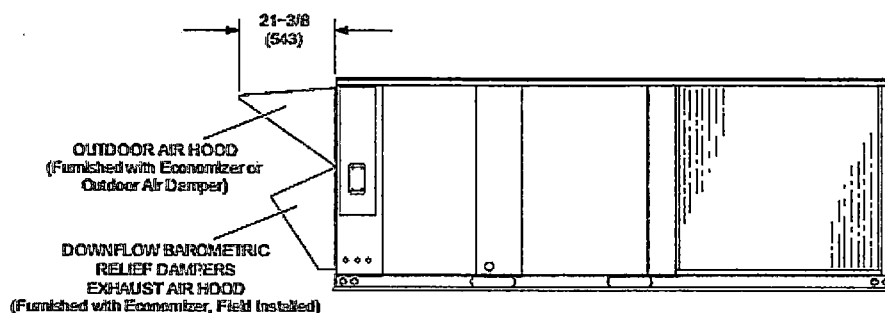
DIMENSIONS - ACCESSORIES - INCHES (MM)

UNIT ON CURB LOCATION



SIDE VIEW

OUTDOOR AIR HOOD DETAIL



Lennox Industries Inc. - Product Submittal

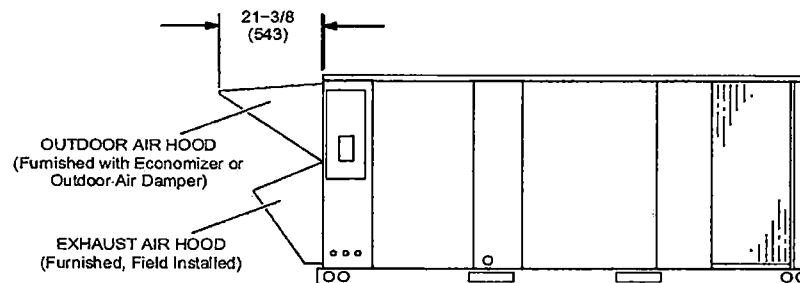
System ID: RTU #3,6,7,9 - 10 TONS

Package Model: LGH122U4M

Description: PKGGE/10TON/CONFIGURABLE

ACCESSORY DIMENSIONS - INCHES (MM)

OUTDOOR AIR HOOD DETAIL



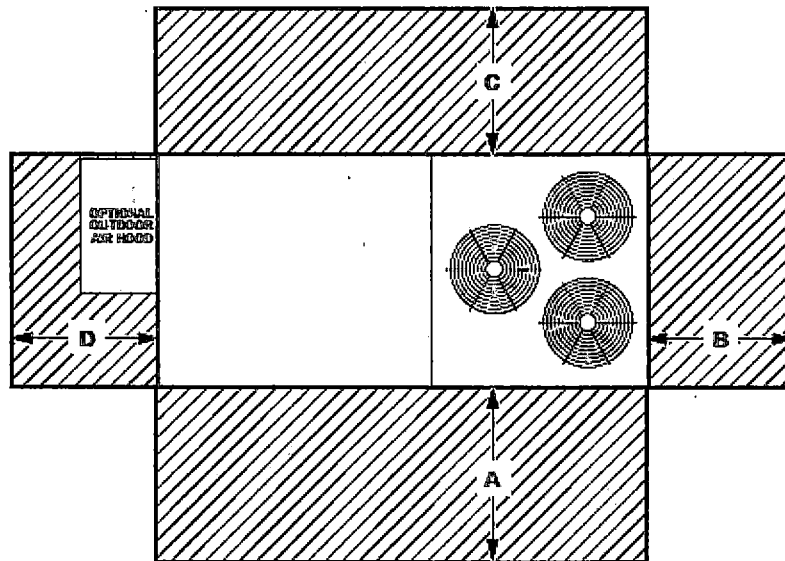
Lennox Industries Inc. - Product Submittal

System ID: RTU #3,6,7,9 - 10 TONS

Package Model: LGH122U4M

Description: PKGGE/10TON/CONFIGURABLE

UNIT CLEARANCES - INCHES (MM)



¹ Unit Clearance	A		B		C		D		Top Clearance
	in.	mm	in.	mm	in.	mm	in.	mm	
Service Clearance	60	1524	36	914	36	914	60	1524	Unobstructed
Clearance to Combustibles	36	914	1	25	1	25	1	25	
Minimum Operation Clearance	36	914	36	914	36	914	36	914	

NOTE - Entire perimeter of unit base requires support when elevated above the mounting surface.

¹ Service Clearance - Required for removal of serviceable parts.

Clearance to Combustibles - Required clearance to combustible material.

Minimum Operation Clearance - Required clearance for proper unit operation.

Lennox Industries Inc. - Product Submittal

System ID: RTU #8 - 5 TONS

Package Model: LGH060U4E

Description: PKGGE/5TON/CONFIGURABLE

HEATING PERFORMANCE

Unit Type	Packaged Gas	Gas Supply Connection	0.50 (in.)
	Electric		
H/E LowInput	81000 (Btuh)	H/E Heat Rise	39.8 (°F)
H/E LowOutput	65000 (Btuh)	AFUE/ ThermalEff	80
H/E HighInput	108000 (Btuh)	Number of Heating Stages	2
H/E HighOutput	86000 (Btuh)	Gas Supply Pressure	7 (in.WC)
System HeatOutput	86000 (Btuh)		

COOLING PERFORMANCE

Refrigerant	R-410A	Number Compressors	1
ARI EER	13.0	Number of Cooling Stages	1
ARI SEER	20.0	Condensate Drain Size	1.00 (in.)
ARI Total Power	4500 (W)	Cooling OutdoorDB	95.0 (°F)
ARI GrossTotalCool	59500 (Btuh)	Cooling CondenserDB	95.0 (°F)
ARI NetTotalCool	58000 (Btuh)	Cooling MixedDB	80.0 (°F)
Coil GrossTotalCool	60780 (Btuh)	Cooling MixedWB	67.0 (°F)
Unit NetTotalCool	58397 (Btuh)	Coil DischargeDB	56.9 (°F)
Coil GrossSensCool	46679 (Btuh)	Coil DischargeWB	56.8 (°F)
Unit NetSensCool	44296 (Btuh)	Unit DischargeDB	58.1 (°F)
Tube/Fin Refrigerant Charge	17 LBS. 8 OZ.	Unit DischargeWB	57.3 (°F)
		Coil MoistureRemoval	13.3 (lb/hr)
		System MoistRemoval	13.3 (lb/hr)

SUPPLY FAN PERFORMANCE

Supply AirFlow	2000 (cfm)	TotalStaticPress	0.89 (in.WC)
ExtStaticPress Supply	0.70 (in.WC)	Wet Coil Static Press	0.10 (in.WC)
SupplyFan Req'dPower	1.00 (hp)	Gas H/E Static Press	0.04 (in.WC)
SupplyFan NomPower	1.00 (hp)	Economizer Static Press	0.05 (in.WC)
Supply Fan Type	MSAV Direct	Air Filter Qty	4
	Drive		
SupplyDriveReq'd RPM	1095 (rpm)	Air Filter Length	20.0 (in.)
Motor Torque Pct	83	Air Filter Width	20.0 (in.)
		Air Filter Thickness	2.0 (in.)
		Number Exhaust Fans	1

ELECTRICAL

Voltage	460V 3PH	SupplyFan FLA	3.7 (amp)
Frequency	60 (Hz)	CondensingUnit FLA	2.1 (amp)
System MCA	15.0 (amp)	CondenserFan Power	272 (W)
SystemMOC	20 (amp)		
Compressors RLA	7.0 (amp)		
Cooling FLA Total	12.8 (amp)		
Unit Oper Range-Nom Voltage	+/- 10%		

DIMENSIONS

Cabinet Width	47.0 (in.)	Downflow Supply Length	20.0 (in.)
Cabinet Length	85.3 (in.)	Downflow Supply Width	18.0 (in.)
Cabinet Height	46.9 (in.)	Downflow Return Length	29.0 (in.)
Total Weight	956 (lb)	Downflow Return Width	11.0 (in.)

SOUND

Outdoor Sound Rating	78 (db)
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Lennox Industries Inc. - Product Submittal

System ID: RTU #8 - 5 TONS

Package Model: LGH060U4E

Description: PKGGE/5TON/CONFIGURABLE

SYSTEM FEATURES

Durable Outdoor Enamel Paint Finish	Crankcase Heater Test
Scroll Compressor	Timed Off Control
Pre-charged Refrigeration System	AGA-CGA Certified
Expansion Valves	Units will operate cooling down to 0 degrees F (-17.7 degrees C) without additional controls.
High Capacity Driers	Redundant Comb. Gas Control Valve
Auto reset high & low pressure switch with strike 3 lockout feature in Prodigy unit controller	Electronic Flame Sensor
Totally Enclosed Fan Motor	Direct Spark Ignition
PVC Coated Fan Guard	Separate Compressor and Controls Compartment
Fan and Limit Controls	Advanced controls with Prodigy Control System
Factory Test Operated	Limited compressor warranty of 5 years
Bonded for Grounding	Limited warranty on Prodigy Unit Controller of 3 years
Internal Pressure Relief Valve	Limited warranty on all other components of 1 year
Overload Protection	See Limited Warranty Certificate included with unit for details

INCLUDED SYSTEM OPTIONS - FACTORY INSTALLED

SINGLE ENTHALPY ECONOMIZER/W HOOD
HIGH PERF ECONOMIZER
MULTI-STAGE AIR VOLUME
HINGED ACCESS DOORS
TUBE AND FIN COIL SYSTEM
DISCONNECT - WEATHERPROOF
GFCI - FACTORY INSTALLED/NON-POWERED
BAROMETRIC RELIEF DAMPERS/W HOOD
STANDARD CAP
2 IN MERV4 FILTER

INCLUDED SYSTEM OPTIONS - FIELD INSTALLED

13T03	1	C1GARD51AT1 MESH HAIL/COIL GUARD
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Lennox Industries Inc. - Product Submittal

System ID: RTU #8 - 5 TONS

Package Model: LGH060U4E

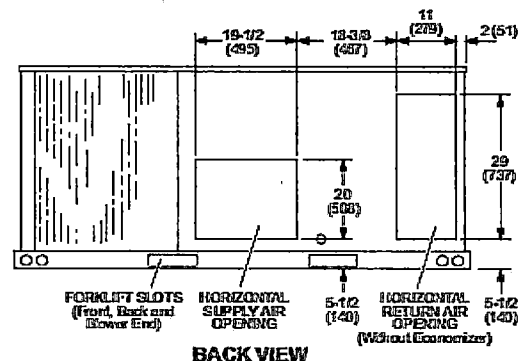
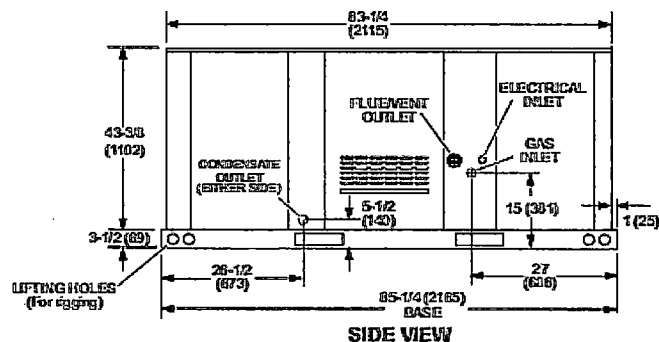
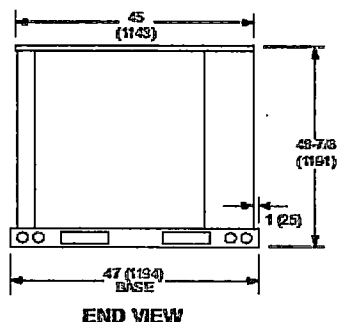
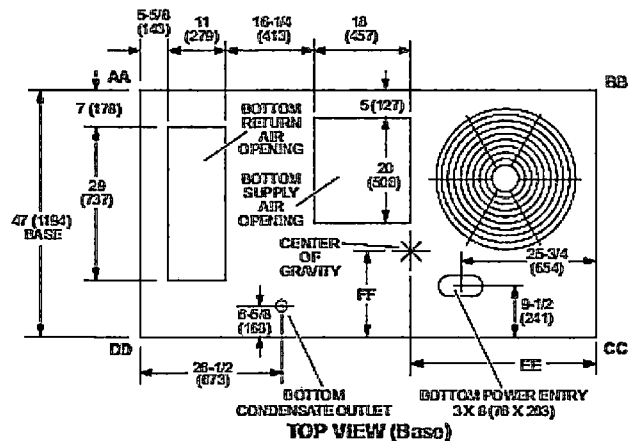
Description: PKGGE/5TON/CONFIGURABLE

DIMENSIONS - INCHES (MM)

CORNER WEIGHTS									CENTER OF GRAVITY			
Model No.	AA		BB		CC		DD		EE		FF	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	in.	mm	in.	mm
LGH036 Base Unit	134	61	171	78	221	100	174	79	38	953	21	521
LGH036 Max. Unit	184	83	218	99	282	128	238	108	39	991	21	521
LGH048 Base Unit	134	61	179	81	232	105	173	78	37	927	21	521
LGH048 Max. Unit	183	83	218	99	294	133	237	108	38	965	21	521
LGH060 Base Unit	137	62	183	83	237	108	177	80	37	927	21	521
LGH060 Max. Unit	187	85	233	106	301	137	242	110	38	965	21	521
LGH074 Base Unit	137	62	183	83	237	108	177	80	37	927	21	521
LGH074 Max. Unit	187	85	233	106	301	137	242	110	38	965	21	521

Base Unit - The unit with NO INTERNAL OPTIONS.

Max. Unit - The unit with ALL INTERNAL OPTIONS Installed. (Economizer, Standard Static Power Exhaust Fans, Controls, etc.). Does not include accessories external to unit or high static power exhaust.

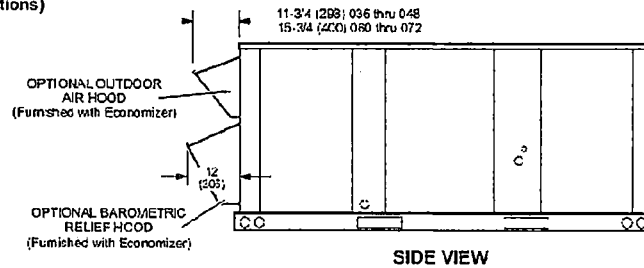


Package Model: LGH060U4E

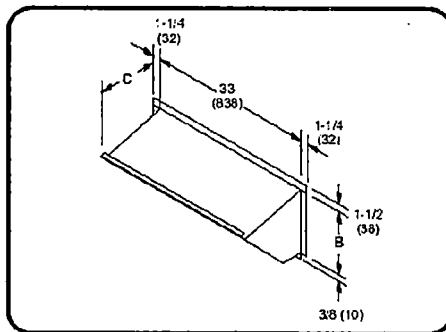
Description: PKGGE/5TON/CONFIGURABLE

ACCESSORY DIMENSIONS - INCHES (MM)

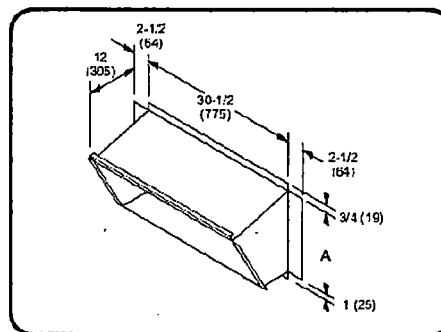
OUTDOOR AIR HOOD DETAIL FOR OPTIONAL ECONOMIZER AND BAROMETRIC RELIEF DAMPERS
(Down-Flow Applications)



**OUTDOOR AIR HOOD FOR ECONOMIZER
(Furnished)**



BAROMETRIC RELIEF HOOD FOR ECONOMIZER
(Furnished)



Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
036, 048	19-1/4	489	13	330	11-3/4	298
060, 072	23-1/4	591	17	432	15-3/4	400

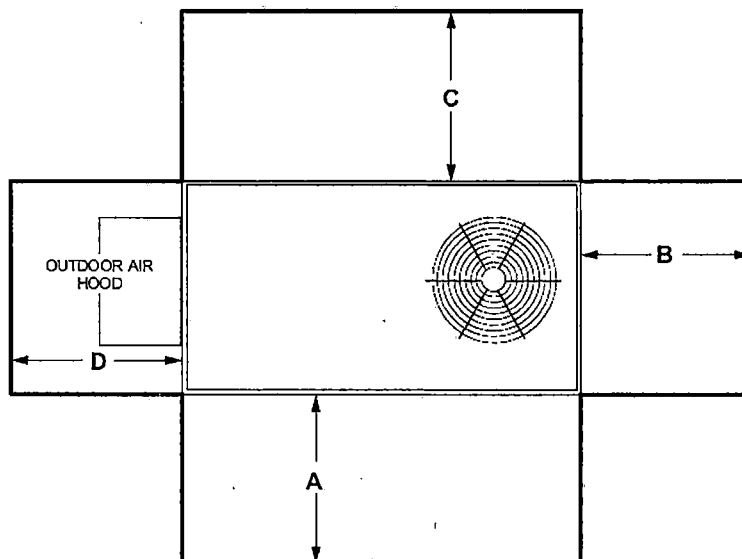
Lennox Industries Inc. - Product Submittal

System ID: RTU #8 - 5 TONS

Package Model: LGH060U4E

Description: PKGGE/5TON/CONFIGURABLE

UNIT CLEARANCES - INCHES (MM)



Unit Clearance	A		B		C		D		Top Clearance
	in.	mm	in.	mm	in.	mm	in.	mm	
Service Clearance	48	1219	36	914	36	934	36	914	Unobstructed
Clearance to Combustibles	36	914	1	25	1	25	1	25	
Minimum Operation Clearance	36	914	36	914	36	914	36	914	

NOTE - Entire perimeter of unit base requires support when elevated above the mounting surface.

¹ Service Clearance - Required for removal of serviceable parts.

Clearance to Combustibles - Required clearance to combustible material.

Minimum Operation Clearance - Required clearance for proper unit operation.

Lennox Industries Inc. - Product Submittal

System ID: RTU #10 - 3 TONS

Package Model: LGH036U4E

Description: PKGGE/3TON/CONFIGURABLE

HEATING PERFORMANCE

Unit Type	Packaged Gas Electric	Gas Supply Connection	0.50 (in.)
H/E LowInput	81000 (Btuh)	H/E Heat Rise	66.4 (°F)
H/E LowOutput	65000 (Btuh)	AFUE/ ThermalEff	80
H/E HighInput	108000 (Btuh)	Number of Heating Stages	2
H/E HighOutput	86000 (Btuh)	Gas Supply Pressure	7 (in.WC)
System HeatOutput	86000 (Btuh)		

COOLING PERFORMANCE

Refrigerant	R-410A	Number Compressors	1
ARI EER	15.0	Number of Cooling Stages	1
ARI SEER	23.5	Condensate Drain Size	1.00 (in.)
ARI Total Power	2300 (W)	Cooling OutdoorDB	95.0 (°F)
ARI GrossTotalCool	35300 (Btuh)	Cooling CondenserDB	95.0 (°F)
ARI NetTotalCool	34500 (Btuh)	Cooling MixedDB	80.0 (°F)
Coil GrossTotalCool	35800 (Btuh)	Cooling MixedWB	67.0 (°F)
Unit NetTotalCool	34608 (Btuh)	Coil DischargeDB	56.9 (°F)
Coil GrossSensCool	27924 (Btuh)	Coil DischargeWB	56.9 (°F)
Unit NetSensCool	26732 (Btuh)	Unit DischargeDB	57.9 (°F)
Tube/Fin Refrigerant Charge	16 LBS. 8 OZ.	Unit DischargeWB	57.4 (°F)
		Coil MoistureRemoval	7.4 (lb/hr)
		System MoistRemoval	7.4 (lb/hr)

SUPPLY FAN PERFORMANCE

Supply AirFlow	1200 (cfm)	TotalStaticPress	0.79 (in.WC)
ExtStaticPress Supply	0.70 (in.WC)	Wet Coil Static Press	0.03 (in.WC)
SupplyFan Req'dPower	0.50 (hp)	Gas H/E Static Press	0.02 (in.WC)
SupplyFan NomPower	0.50 (hp)	Economizer Static Press	0.04 (in.WC)
Supply Fan Type	MSAV Direct Drive	Air Filter Qty	4
SupplyDriveReq'd RPM	975 (rpm)	Air Filter Length	20.0 (in.)
Motor Torque Pct	66	Air Filter Width	20.0 (in.)
		Air Filter Thickness	2.0 (in.)

ELECTRICAL

Voltage	460V 3Ph	SupplyFan FLA	2.2 (amp)
Frequency	60 (Hz)	CondensingUnit FLA	2.1 (amp)
System MCA	11.0 (amp)	CondenserFan Power	200 (W)
System MOC	15 (amp)		
Compressors RLA	5.1 (amp)		
Cooling FLA Total	9.4 (amp)		
Unit Oper Range-Nom Voltage	+/- 10%		

DIMENSIONS

Cabinet Width	47.0 (in.)	Downflow Supply Length	20.0 (in.)
Cabinet Length	85.3 (in.)	Downflow Supply Width	18.0 (in.)
Cabinet Height	46.9 (in.)	Downflow Return Length	29.0 (in.)
Total Weight	886 (lb)	Downflow Return Width	11.0 (in.)

SOUND

Outdoor Sound Rating	75 (db)
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Lennox Industries Inc. - Product Submittal

System ID: RTU #10 - 3 TONS

Package Model: LGH036U4E

Description: PKGGE/3TON/CONFIGURABLE

SYSTEM FEATURES

Durable Outdoor Enamel Paint Finish	Crankcase Heater Test
Scroll Compressor	Timed Off Control
Pre-charged Refrigeration System	AGA-CGA Certified
Expansion Valves	Units will operate cooling down to 0 degrees F (-17.7 degrees C) without additional controls.
High Capacity Driers	Redundant Comb. Gas Control Valve
Auto reset high & low pressure switch with strike 3 lockout feature in Prodigy unit controller	Electronic Flame Sensor
Totally Enclosed Fan Motor	Direct Spark Ignition
PVC Coated Fan Guard	Separate Compressor and Controls Compartment
Fan and Limit Controls	Advanced controls with Prodigy Control System
Factory Test Operated	Limited compressor warranty of 5 years
Bonded for Grounding	Limited warranty on Prodigy Unit Controller of 3 years
Internal Pressure Relief Valve	Limited warranty on all other components of 1 year
Overload Protection	See Limited Warranty Certificate included with unit for details

INCLUDED SYSTEM OPTIONS - FACTORY INSTALLED

STAINLESS STEEL HEAT
SINGLE ENTHALPY ECONOMIZER/W HOOD
HIGH PERF ECONOMIZER
MULTI-STAGE AIR VOLUME
HINGED ACCESS DOORS
TUBE AND FIN COIL SYSTEM
DISCONNECT - WEATHERPROOF
GFCI - FACTORY INSTALLED/NON-POWERED
BAROMETRIC RELIEF DAMPERS/W HOOD
STANDARD CAP
2 IN MERV4 FILTER

INCLUDED SYSTEM OPTIONS - FIELD INSTALLED

13T03	1	C1GARD51AT1 MESH HAIL/COIL GUARD
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Lennox Industries Inc. - Product Submittal

System ID: RTU #10 - 3 TONS

Package Model: LGH036U4E

Description: PKGGE/3TON/CONFIGURABLE

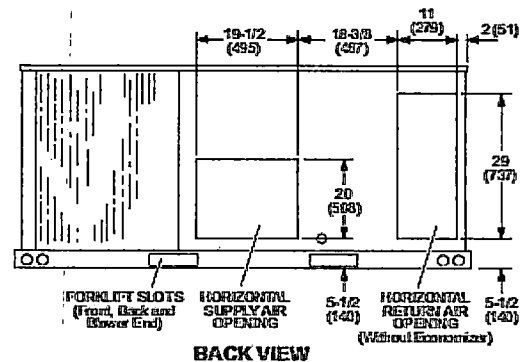
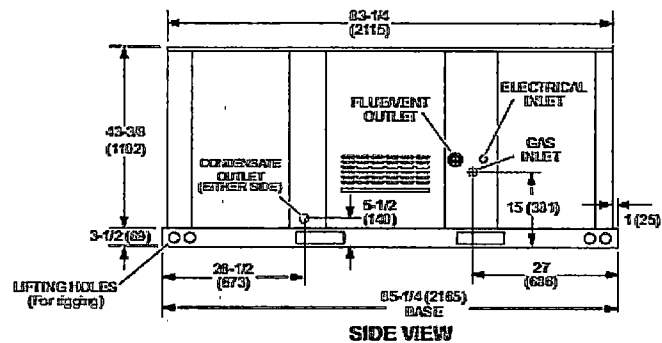
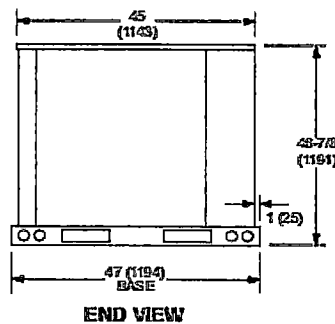
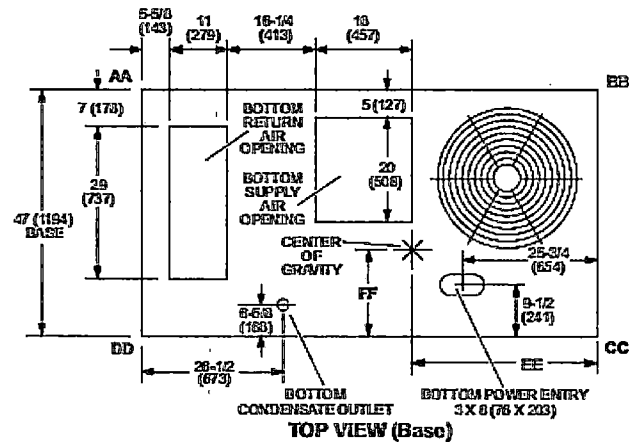
DIMENSIONS - INCHES (MM)

CORNER WEIGHTS

Model No.	AA		BB		CC		DD		CENTER OF GRAVITY			
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	in.	mm	in.	mm
LGH036 Base Unit	134	61	171	78	221	100	174	79	38	953	21	521
LGH036 Max. Unit	184	83	218	99	282	128	238	108	39	991	21	521
LGH048 Base Unit	134	61	179	81	232	105	173	78	37	927	21	521
LGH048 Max. Unit	183	83	218	99	294	133	237	108	38	965	21	521
LGH060 Base Unit	137	62	183	83	237	108	177	80	37	927	21	521
LGH060 Max. Unit	187	85	233	106	301	137	242	110	38	965	21	521
LGH074 Base Unit	137	62	183	83	237	108	177	80	37	927	21	521
LGH074 Max. Unit	187	85	233	106	301	137	242	110	38	965	21	521

Base Unit - The unit with NO INTERNAL OPTIONS.

Max. Unit - The unit with ALL INTERNAL OPTIONS Installed. (Economizer, Standard Static Power Exhaust Fans, Controls, etc.). Does not include accessories external to unit or high static power exhaust.



Lennox Industries Inc. - Product Submittal

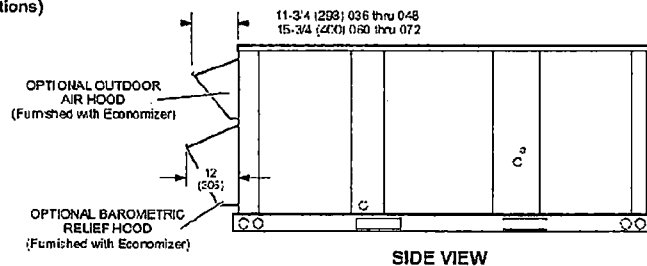
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Package Model: LGH036U4E

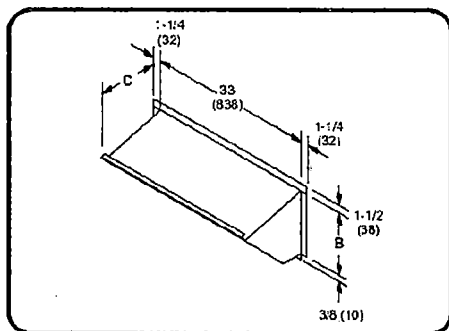
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ACCESSORY DIMENSIONS - INCHES (MM)

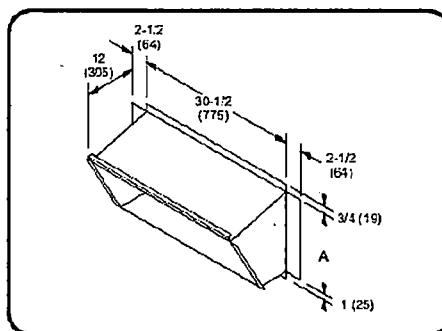
OUTDOOR AIR HOOD DETAIL FOR OPTIONAL ECONOMIZER AND BAROMETRIC RELIEF DAMPERS (Down-Flow Applications)



OUTDOOR AIR HOOD FOR ECONOMIZER (Furnished)



BAROMETRIC RELIEF HOOD FOR ECONOMIZER (Furnished)



Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
036, 048	19-1/4	489	13	330	11-3/4	298
060, 072	23-1/4	591	17	432	15-3/4	400

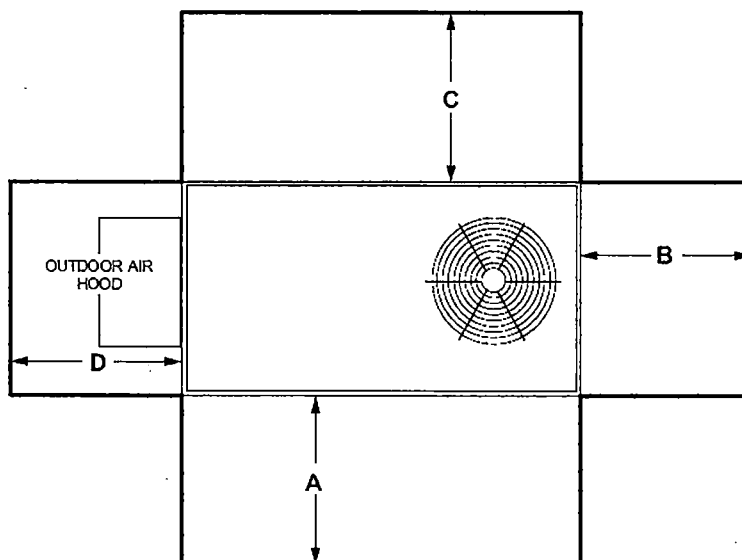
Lennox Industries Inc. - Product Submittal

System ID: RTU #10 - 3 TONS

Package Model: LGH036U4E

Description: PKGGE/3TON/CONFIGURABLE

UNIT CLEARANCES - INCHES (MM)



Unit Clearance	A		B		C		D		Top Clearance
	in.	mm	in.	mm	in.	mm	in.	mm	
Service Clearance	48	1219	36	914	36	934	36	914	Unobstructed
Clearance to Combustibles	36	914	1	25	1	25	1	25	
Minimum Operation Clearance	36	914	36	914	36	914	36	914	

NOTE - Entire perimeter of unit base requires support when elevated above the mounting surface.

¹ Service Clearance - Required for removal of serviceable parts.

Clearance to Combustibles - Required clearance to combustible material.

Minimum Operation Clearance - Required clearance for proper unit operation.

Lennox Industries Inc. - Product Submittal

System ID: RTU #4 - 10 TONS

Package Model: LGH120H4M

Description: PKGGE/10TON/CONFIGURABLE

HEATING PERFORMANCE

Unit Type	Packaged Gas Electric	Gas Supply Connection	0.75 (in.)
H/E LowInput	156000 (Btuh)	H/E Heat Rise	44.4 (°F)
H/E LowOutput	124800 (Btuh)	AFUE/ ThermalEff	80
H/E HighInput	240000 (Btuh)	Number of Heating Stages	2
H/E HighOutput	192000 (Btuh)	Gas Supply Pressure	7 (in.WC)
System HeatOutput	192000 (Btuh)		

COOLING PERFORMANCE

Refrigerant	R-410A	Number Compressors	2
ARI EER	12.0	Number of Cooling Stages	2
ARI IEER	13.8	Condensate Drain Size	1.00 (in.)
ARI Total Power	9800 (W)	Cooling OutdoorDB	95.0 (°F)
ARI GrossTotalCool	122000 (Btuh)	Cooling MixedDB	80.0 (°F)
ARI NetTotalCool	118000 (Btuh)	Cooling MixedWB	67.0 (°F)
Coil GrossTotalCool	124400 (Btuh)	Coil DischargeDB	57.8 (°F)
Unit NetTotalCool	117163 (Btuh)	Coil DischargeWB	56.6 (°F)
Coil GrossSensCool	89568 (Btuh)	Unit DischargeDB	59.4 (°F)
Unit NetSensCool	82331 (Btuh)	Unit DischargeWB	57.2 (°F)
Environ Refrigerant Charge	14 LBS. 12 OZ.	Coil MoistureRemoval	32.8 (lb/hr)
Tube/Fin Refrigerant Charge	28 LBS. 0 OZ.	System MoistRemoval	32.8 (lb/hr)
Tube/Fin Humiditrol Refrigerant Charge	31 LBS. 8 OZ.		

HUMIDITROL PERFORMANCE

Humid-1st CoilDischDB	78.6 (°F)	Humiditrol OutdoorDB	95.0 (°F)
Humid-1st CoilDischWB	64.2 (°F)	Humiditrol MixedDB	80.0 (°F)
Humid-All CoilDischDB	66.5 (°F)	Humiditrol MixedWB	67.0 (°F)
Humid-All CoilDischWB	59.4 (°F)	Humid-1st MoistRemoval	29.2 (lb/hr)
		Humid-All MoistRemoval	37.4 (lb/hr)

SUPPLY FAN PERFORMANCE

Supply AirFlow	4000 (cfm)	TotalStaticPress	1.35 (in.WC)
ExtStaticPress Supply	0.75 (in.WC)	Wet Coil Static Press	0.14 (in.WC)
SupplyFan Req'dPower	2.42 (hp)	Gas H/E Static Press	0.22 (in.WC)
SupplyFan NomPower	3.00 (hp)	Humiditrol Static Press	0.05 (in.WC)
Supply Fan Type	MSAV Belt Drive	Economizer Static Press	0.19 (in.WC)
SupplyDriveReq'd RPM	963 (rpm)	Air Filter Qty	4
SupplyDrive Min RPM	730 (rpm)	Air Filter Length	20.0 (in.)
SupplyDrive Max RPM	970 (rpm)	Air Filter Width	25.0 (in.)
		Air Filter Thickness	2.0 (in.)
		Number Exhaust Fans	1

ELECTRICAL

Voltage	460V 3Ph	SupplyFan FLA	4.8 (amp)
Frequency	60 (Hz)	CondensingUnit FLA	2.6 (amp)
System MCA	27.0 (amp)	CondenserFan Power	800 (W)
System MOCP	30.4 (amp)		
Compressors RLA	16.0 (amp)		
Cooling FLA Total	23.4 (amp)		
Unit Oper Range-Nom Voltage	+/- 10%		

DIMENSIONS

Cabinet Width	60.1 (in.)	Downflow Supply Length	20.0 (in.)
Cabinet Length	101.3 (in.)	Downflow Supply Width	28.0 (in.)
Cabinet Height	46.9 (in.)	Downflow Return Length	24.0 (in.)

Project: 3000725560 Barnes & Noble #2803-Brick, NJ

Quote: 4000882728 Barnes & Noble #2803-Brick, NJ

Page 19 of 25

Last Changed: STEPHANIE DONMOYER

Prepared On: 2018-02-07

Phone: 212-633-3300

Lennox Industries Inc. - Product Submittal

System ID: RTU #4 - 10 TONS

Package Model: LGH120H4M

Description: PKGGE/10TON/CONFIGURABLE

Total Weight	1306 (lb)	Downflow Return Width	27.0 (in.)
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SOUND

Outdoor Sound Rating	88 (db)
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Lennox Industries Inc. - Product Submittal

System ID: RTU #4 - 10 TONS

Package Model: LGH120H4M

Description: PKGGE/10TON/CONFIGURABLE

SYSTEM FEATURES

Durable Outdoor Enamel Paint Finish	Timed Off Control
Scroll Compressor	AGA-CGA Certified
Pre-charged Refrigeration System	Units will operate cooling down to 0 degrees F (-17.7 degrees C) without additional controls.
High Capacity Driers	Redundant Comb. Gas Control Valve
Auto reset high & low pressure switch with strike 3 lockout feature in Prodigy unit controller	Electronic Flame Sensor
Totally Enclosed Fan Motor	Direct Spark Ignition
PVC Coated Fan Guard	Separate Compressor and Controls Compartment
Fan and Limit Controls	Advanced controls with Prodigy Control System
Factory Test Operated	Limited compressor warranty of 5 years
Bonded for Grounding	Limited warranty on Prodigy Unit Controller of 3 years
Internal Pressure Relief Valve	Limited warranty on Environ Coil System of 3 years
Overload Protection	Limited warranty on all other components of 1 year
Crankcase Heater Test	See Limited Warranty Certificate included with unit for details

INCLUDED SYSTEM OPTIONS - FACTORY INSTALLED

STD STATIC POWER EXHAUST FAN/W HOOD
SINGLE ENTHALPY ECONOMIZER/W HOOD
HIGH PERF ECONOMIZER
MULTI-STAGE AIR VOLUME
HINGED ACCESS DOORS
ENVIRON COIL SYSTEM
DISCONNECT - WEATHERPROOF
GFCI - FACTORY INSTALLED/NON-POWERED
HUMIDITROL
PHASE MONITOR
STANDARD CAP
2 IN MERV4 FILTER

INCLUDED SYSTEM OPTIONS - FIELD INSTALLED

17M50	1	C0SNSR31AE1- SENSOR KIT, REMOTE HUMIDITY
16T05	1	CTGARD52B-1 MESH HAIL/COIL GUARD

Lennox Industries Inc. - Product Submittal

System ID: RTU #4 - 10 TONS

Package Model: LGH120H4M

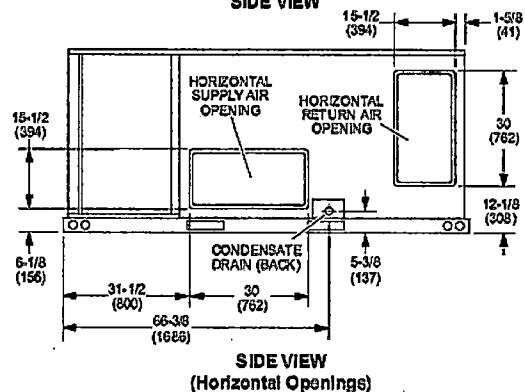
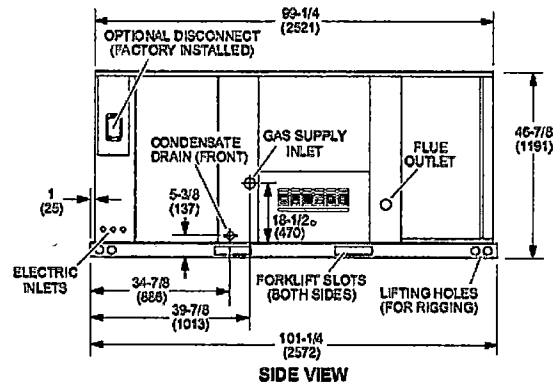
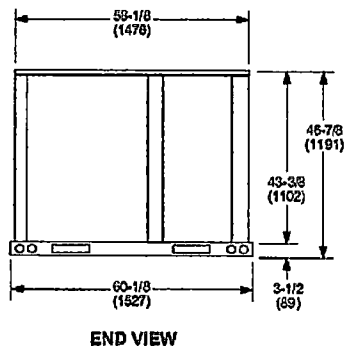
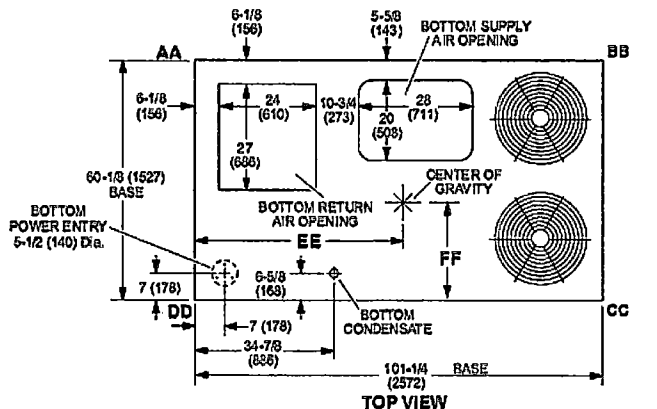
Description: PKGGE/10TON/CONFIGURABLE

DIMENSIONS - INCHES (MM)

Model No.	CORNER WEIGHTS												CENTER OF GRAVITY											
	AA				BB				CC				DD				EE				FF			
	Base		Max.		Base		Max.		Base		Max.		Base		Max.		Base		Max.		Base		Max.	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg
092	293	133	338	153	263	119	295	134	286	130	316	143	326	148	370	168	46.5	1181	45.5	1156	24.5	622	25.5	648
102	294	134	340	154	265	120	297	135	288	131	318	144	328	149	372	169	46.5	1181	45.5	1156	24.5	622	25.5	648
120	306	139	349	158	275	125	305	138	295	134	326	148	334	152	382	173	46.5	1181	45.5	1156	24.5	622	25.5	648
150	316	143	359	163	284	129	314	142	304	138	333	178	345	157	393	178	46.5	1181	45.5	1156	24.5	622	25.5	648

Base Unit - The unit with NO INTERNAL OPTIONS.

Max. Unit - The unit with ALL INTERNAL OPTIONS installed. (Economizer, Standard Static Power Exhaust Fans, Controls, etc.). Does not include accessories external to unit high static power exhaust.



Lennox Industries Inc. - Product Submittal

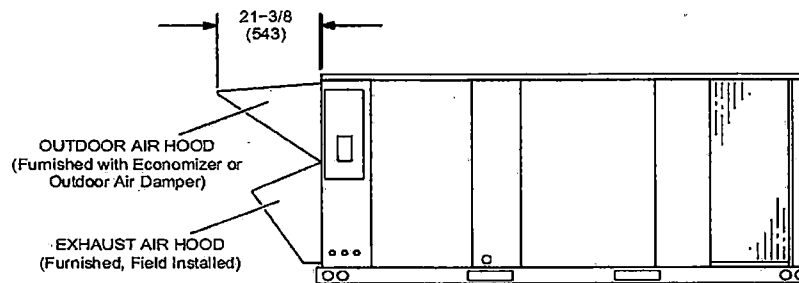
System ID: RTU #4 - 10 TONS

Package Model: LGH120H4M

Description: PKGGE/10TON/CONFIGURABLE

ACCESSORY DIMENSIONS - INCHES (MM)

OUTDOOR AIR HOOD DETAIL



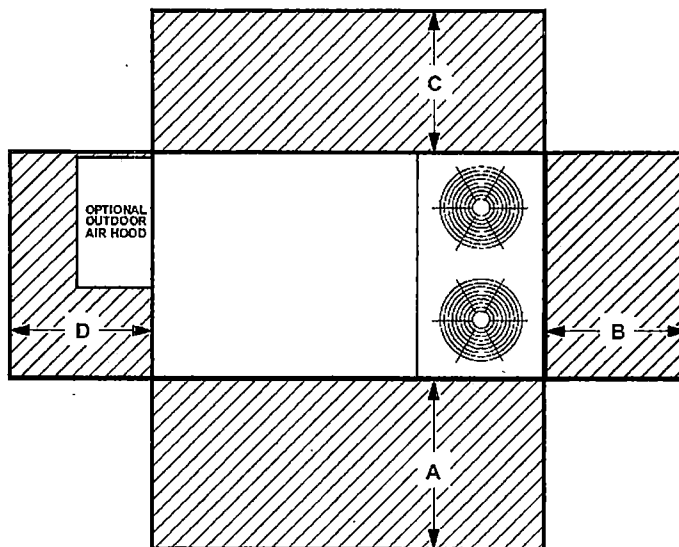
Lennox Industries Inc. - Product Submittal

System ID: RTU #4 - 10 TONS

Package Model: LGH120H4M

Description: PKGGE/10TON/CONFIGURABLE

UNIT CLEARANCES - INCHES (MM)



Unit Clearance	A		B		C		D		Top Clearance
	in.	mm	in.	mm	in.	mm	in.	mm	
Service Clearance	60	1524	36	914	36	934	60	1524	Unobstructed
Clearance to Combustibles	36	914	1	25	1	25	1	25	
Minimum Operation Clearance	36	914	36	914	36	914	36	914	

NOTE - Entire perimeter of unit base requires support when elevated above the mounting surface.

Service Clearance - Required for removal of serviceable parts.

Clearance to Combustibles - Required clearance to combustible material.

Minimum Operation Clearance - Required clearance for proper unit operation.

Lennox Industries Inc. - Product Submittal

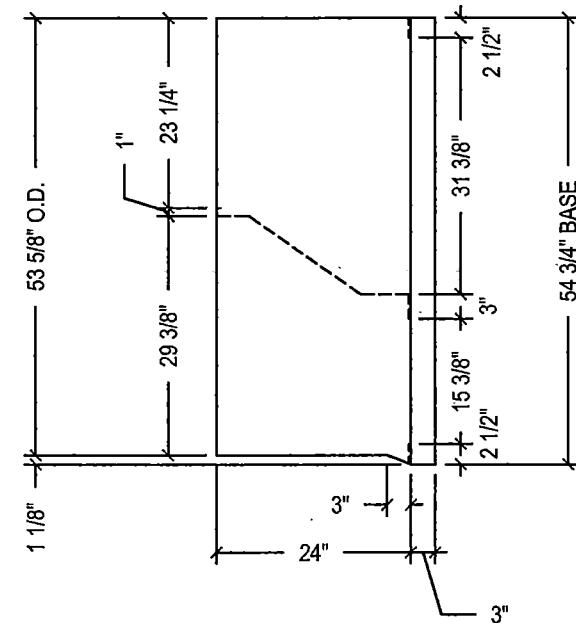
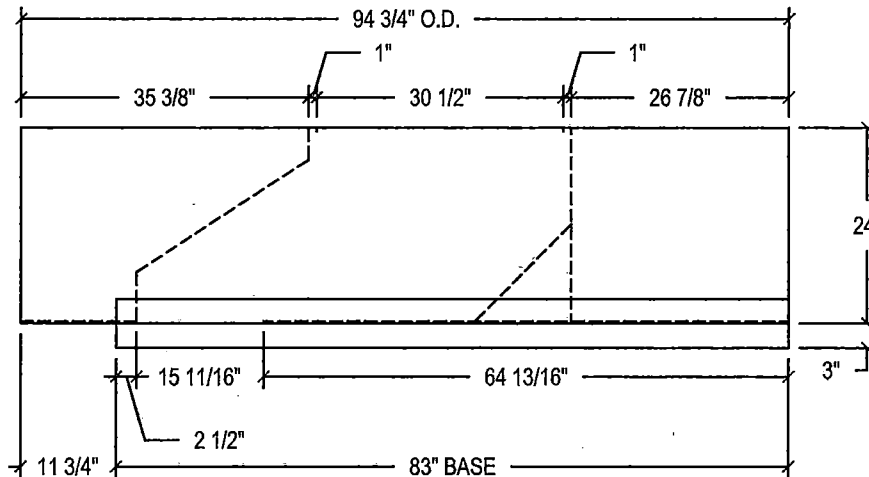
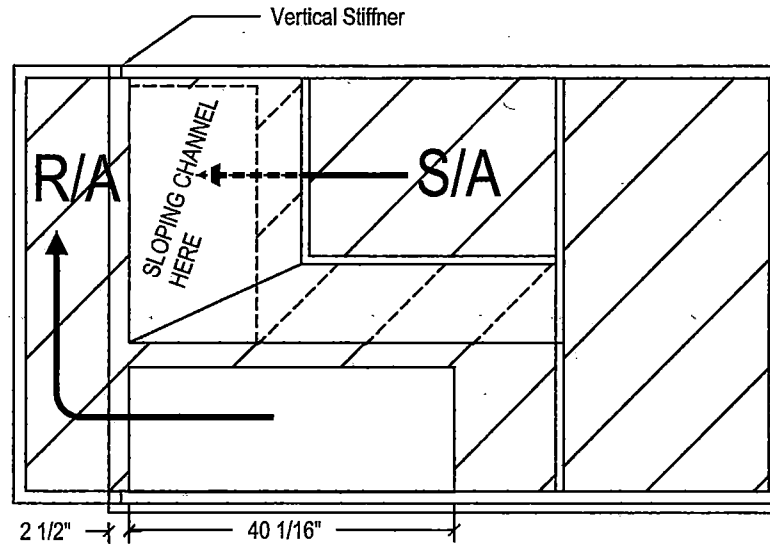
MISCELLANEOUS MATERIALS

77N39
COMSD

EG T8100-D-LN CO2 DETECTOR/WHITE/WALL
Third Party PKG QTY: 7

Job Name: Barnes & Noble #2803 - BRICK, NJ

Drawing Date: 10-5-09	REV: 004 4-14-10	Approved By:
SHELL: 16 GA.	PANS: 18 GA.	CHANNELS: 18 GA.
CLOSURES: 16 GA.	TOP FLANGE DIM: 1 1/2"	



Final
2/21/18
Jason A. Yon

CURBS PLUS, INC.
www.curbs-plus.com

TRANSITION-CURB SYSTEM

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TAG PLATE: LX9CR37 / LX296CR37

APPROXIMATE WEIGHT: 360 LBS. *

QTY.: 1 DRAWN BY.: SLW

NEW UNIT: LENNOX

LGH120H

OLD UNIT: CARRIER

48HJD012

ROLLS OF GASKET: 2

TAG: RTU-4

Note: Design subject to change without notice.

File Name: LX9CR37-0 LX296LX37-0 NEW LENNOX L-SERIES 090-150 EXISTING CARRIER 48_50 TJ028003 Curbs Plus, Inc.