

Cons.

BLOCK 671 LOT 1.01 QUALIFICATION CODE \_\_\_\_\_

ADDRESS (SITE) 1 Brick Plaza

PERMIT NO. 14-3004



# CONSTRUCTION PERMIT APPLICATION

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

## I. IDENTIFICATION

1. Proposed Work Site at: 1 Brick Plaza

2. Name of Owner in Fee: The Sports Authority - TSA  
Tel. (720) 475-2113 e-mail afisher@sportsauthority.com  
Address 1050 W. Hampden Ave Englewood CO 80110

3. Ownership in Fee: Public ☐ Private ☒ Municipality X Zip code \_\_\_\_\_

4. Principal Contractor: AES Mechanical Services Tel. (334) 252-0380  
Address 2171 AL Hwy 229 e-mail stacey@aesmech.com  
Tallahassee, AL 36078

License No. OR, if new home, Builder Reg. No. \_\_\_\_\_ Exp. Date \_\_\_\_\_  
Home Improvement Contractor Registration No. or Exemption Reason \_\_\_\_\_  
Federal Emp. ID No. 20-106872 FAX: (334) 252-0387

5. Architect or Engineer \_\_\_\_\_ Contact \_\_\_\_\_  
Address \_\_\_\_\_ e-mail \_\_\_\_\_  
Tel. \_\_\_\_\_ FAX: \_\_\_\_\_

6. Responsible Person in Charge once Work has Begun Michael Fowler  
Tel. (334) 252-0380 FAX: (334) 252-0387

## V. FEE SUMMARY (for office use only)

|                                   |                 | Update | Update |
|-----------------------------------|-----------------|--------|--------|
| 1. Building                       | \$ <u>1,038</u> |        |        |
| 2. Electrical                     | \$ <u>600</u>   |        |        |
| 3. Plumbing                       | \$ <u>825</u>   |        |        |
| 4. Fire Protection                | \$ <u>935</u>   |        |        |
| 5. Elevator Devices               |                 |        |        |
| 6. Subtotal                       |                 |        |        |
| 7. Less 20% for State Plan Review | \$ _____        |        |        |
| 8. Subtotal                       | \$ _____        |        |        |
| 9. State Permit Surcharge Fee     | \$ <u>49</u>    |        |        |
| 10. Subtotal                      | \$ _____        |        |        |
| 11. Cert. of Occupancy            |                 |        |        |
| 12. Other                         |                 |        |        |
| 13. TOTAL                         | \$ <u>3,452</u> |        |        |

## VI. BUILDING/SITE CHARACTERISTICS

1. Number of Stories 1

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. 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 |
|--------------|----------------|------------|----------------|-----------------|------------|-----------------------------|-----------|-----------|
| <u>25950</u> | <u>9/11/14</u> |            |                | <u>09/11/14</u> | <u>KEK</u> |                             |           |           |
| <u>3000</u>  | <u>9/12/14</u> |            |                | <u>9/12/14</u>  | <u>KEK</u> |                             |           |           |
| <u>100</u>   |                |            |                |                 |            |                             |           |           |
| <u>100</u>   |                |            |                |                 |            |                             |           |           |
| TOTAL COST   |                |            |                |                 |            |                             |           |           |

TOTAL COST \$29,150

## 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

## 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: Retail
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 \_\_\_\_\_



Brick Township  
401 Chambersbridge Rd  
Brick, NJ 08723

Date Issued 5/27/2015  
Control Number C-14-003900  
Permit Number 14-3094  
Permit Issue Date 9/19/2014  
Certificate Number 14-3094

## Certificate

Construction Code Division  
(Certificate of Approval)

### Identification

Work Site Location: 56 CHAMBERS BRIDGE RD. SPORTS AUTHORITY Brick Township, NJ Block: 671 Lot: 1.01 Qual: \_\_\_\_\_  
Owner in Fee: FEDERAL REALTY INVESTMENT TRUST  
Owner Address: 1626 EAST JEFFERSON ST ROCKVILLE NJ 20852  
Telephone: (720) 475-2113  
Contractor: AES MECHANICAL SERVICES  
Address: 2171 AL HWY 229 TALLASSEE AL 36078  
Telephone: (334) 252-0380 Fax: (334) 252-0387  
License Number or Builders Registration Number: \_\_\_\_\_ Federal Emp. Number: \_\_\_\_\_  
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: RENOVATION - COMMERCIAL - SPORTS AUTHORITY ...REMOVE/REPLACE (11) RTU'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: 5/27/2015

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

Fee: \$0.00

Check Number: \_\_\_\_\_

Collected By: \_\_\_\_\_

PERMIT NO.



## 1. IDENTIFICATION

Tel. (334) 252-0380 FAX (334) 252-0387

☐ Elevator

|            |          |
|------------|----------|
| TOTAL COST | \$29,150 |
|------------|----------|

DO YOU WANT:

- ☐ Partial Releases
- ☐ Prototype Processing

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

- |                                                                                     |                                                                   |                                                                 |                                          |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------|
| 1. <input type="checkbox"/> Elevators/Escalators/Lifts/<br>Dumbwaiters/Moving Walks | 4. <input type="checkbox"/> Refrigeration Systems                 | 8. <input type="checkbox"/> Smoke Control Systems in Open Wells | 12. <input type="checkbox"/> Fire Alarms |
| 2. <input type="checkbox"/> High Pressure Boilers                                   | 5. <input type="checkbox"/> Cross-Connections/Backflow Preventers | 9. <input type="checkbox"/> Underground Storage Tanks           |                                          |
| 3. <input type="checkbox"/> Pressure Vessels                                        | 6. <input type="checkbox"/> Hazardous Uses/Places of Assembly     | 10. <input type="checkbox"/> Swimming Pools, Spas and Hot Tubs  |                                          |
| 7. <input type="checkbox"/>                                                         | 7. <input type="checkbox"/> Sprinklers/Standpipes                 | 11. <input type="checkbox"/>                                    |                                          |

### V. FEE SUMMARY (for office use only)

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

## VI. BUILDING/SITE CHARACTERISTICS

1. Number of Stories \_\_\_\_\_ 1 \_\_\_\_\_
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. 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 \_\_\_\_\_

## VII. DESCRIPTION OF BUILDING USE

- A. RESIDENTIAL (primary use)

- |                                           |                                             |
|-------------------------------------------|---------------------------------------------|
| 2. Use Group, Proposed:                   | Select Group                                |
| 3. Change in Use Group, Indicate Present: | Select Group                                |
| 4. No. of dwelling units:                 | <u>Total Units</u> <u>Income-restricted</u> |

### B. NON-RESIDENTIAL (primary use)

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

## D. Construct Classification: Present

| Present | Proposed |
|---------|----------|
|---------|----------|



# 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 691 Lot 101 Qualification Code \_\_\_\_\_  
Work Site Location 1 Brick Plaza

Owner in Fee: The Sports Authority

Tel. (720) 475-2113 e-mail Deborah@sportsauthority.com

Address 1050 W. Hampden Ave. Englewood, CO 80110

Contractor: As Mechanical Services Tel. (334) 252-0380 zip code \_\_\_\_\_

Address 2171 At Hwy 229 Tallahassee, FL 32307 e-mail stacey@asmech.com

Contractor License No. \_\_\_\_\_ Exp. Date \_\_\_\_\_

Home Improvement Contractor Registration No. or Exemption Reason (if applicable) \_\_\_\_\_

Federal Emp. ID No. 20-106872 FAX: (334) 252-0387

## 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 \$ 100.00

## JOB SUMMARY (Office Use Only)

| PLAN REVIEW                                                                                                                 |                                 | INSPECTIONS     |                                  |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------|----------------------------------|
|                                                                                                                             |                                 | Type            | Dates (Month/Day)                |
|                                                                                                                             |                                 |                 | Failure Failure Approval Initial |
| <input type="checkbox"/> No Plans Required                                                                                  |                                 | Slab            |                                  |
| <input type="checkbox"/> Partial - Under-slab Utilities Approved                                                            |                                 | Rough           |                                  |
| Date: _____                                                                                                                 | Approved by: _____              | Water           |                                  |
| <input checked="" type="checkbox"/> Plumbing Plans Approved                                                                 |                                 | Sewer           |                                  |
| Date: _____                                                                                                                 | Approved by: _____              | Fixtures        |                                  |
| Joint Plan Review Required: _____                                                                                           |                                 | Gas Equipment   |                                  |
| <input type="checkbox"/> Bldg. <input type="checkbox"/> Elec. <input type="checkbox"/> Fire. <input type="checkbox"/> Elev. |                                 | Gas Piping      |                                  |
| SUBCODE APPROVAL FOR PERMIT                                                                                                 |                                 | LP Gas Tank     |                                  |
| Date: <u>8-20-15</u>                                                                                                        | Approved by: <u>[Signature]</u> | Fuel Oil Piping |                                  |
| SUBCODE APPROVAL FOR CERTIFICATE                                                                                            |                                 | Solar           |                                  |
| <input type="checkbox"/> CO <input type="checkbox"/> CCO <input type="checkbox"/> CA                                        |                                 | TCO             |                                  |
| Date: <u>5-18-15</u>                                                                                                        | Approved by: <u>[Signature]</u> | Final           |                                  |
|                                                                                                                             |                                 |                 | <u>3-27-15</u>                   |
|                                                                                                                             |                                 |                 | <u>5-13-15</u>                   |
|                                                                                                                             |                                 |                 | <u>3-24-15</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.

Applicant sign/Contractor sign and seal here: \_\_\_\_\_

Print name here: Charles J. [Signature]

☒ Licensed Plumbing Contractor ☐ Exempt Applicant

DESCRIPTION OF WORK: Remove & Replace 11 Rtus

Make sure drain hose are connected

QTY: \_\_\_\_\_

## FIXTURE/EQUIPMENT

|                          |  |
|--------------------------|--|
| Water Closet             |  |
| Urinal/Bidet             |  |
| Bath Tub                 |  |
| Lavatory                 |  |
| Shower                   |  |
| Floor Drain              |  |
| Sink                     |  |
| Dishwasher               |  |
| Drinking Fountain        |  |
| Washing Machine          |  |
| Hose Bibb                |  |
| Water Heater             |  |
| Fuel Oil Piping          |  |
| Gas Piping               |  |
| LP Gas Tank              |  |
| Steam Boiler             |  |
| Hot Water Boiler         |  |
| Sewer Pump               |  |
| Interceptor/Separator    |  |
| Backflow Preventer       |  |
| Greaseltrap              |  |
| Sewer Connection         |  |
| Water Service Connection |  |
| Stacks                   |  |
| Other <u>drain hoses</u> |  |

Date Received \_\_\_\_\_  
Control # \_\_\_\_\_  
Date Issued \_\_\_\_\_  
Permit # \_\_\_\_\_

14-3094  
14-3094  
9/19/14

FEE (Office Use Only) \$ \_\_\_\_\_

Administrative Surcharge \$ \_\_\_\_\_

Minimum Fee \$ \_\_\_\_\_

State Permit Surcharge Fee \$ \_\_\_\_\_

TOTAL FEE \$ \_\_\_\_\_

**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:

*Not Residential*

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):

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 AES Mechanical Services Group Inc-Charles J Kujala

Address 2171 AL Hwy 229

Tallassee, AL 36078

Telephone (334) 252-0380

Signature \_\_\_\_\_

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

3-12-15

all 11 trays assembled  
not glued together

3-24-15

not done

Ⓟ tech



# 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 671 Lot 1.01 Qualification Code \_\_\_\_\_  
Work Site Location 1 Brick Plaza

Owner/in Fee: The Sports Authority  
Tel. (334) 475-2113 e-mail offisher@sportsauthority.com

Address 1050 W. Hampden Ave Englewood Co. 80110

Contractor: Ates Mechanical Services Tel. (334) 852-0380  
Address 2171 At Hwy 224 e-mail etesmech@aol.com

Fire Protection Equipment, NJ Div of Fire Safety Permit No. \_\_\_\_\_

Fire Alarm Contractor No. \_\_\_\_\_ Exp. Date \_\_\_\_\_

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): \_\_\_\_\_  
Federal Emp. ID No. 20-1008725 FAX: (334) 852-0387

## B. FIRE PROTECTION CHARACTERISTICS

Use Group: Present \_\_\_\_\_ Proposed \_\_\_\_\_  
Const. 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 \$ 4100

## JOB SUMMARY (Office Use Only)

### PLAN REVIEW

☐ No Plans Required  
☐ Partial - Under/Under Utilities Approved  
Date: \_\_\_\_\_ Approved by: \_\_\_\_\_  
☒ Fire Protection Plans Approved  
Date: 1/10/14 Approved by: [Signature]

Joint Plan Review Required: \_\_\_\_\_  
SUBCODE APPROVAL for PERMIT  
Date: \_\_\_\_\_ Approved by: [Signature]

SUBCODE APPROVAL for CERTIFICATE  
Date: 1/10/14 Approved by: [Signature]

Approved by: [Signature]

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: [Signature]  
Print name here: Charles J. Ruffalo  
TECHNICAL SITE DATA ☐ Certified Contractor ☐ Exempt Applicant

Date Received 1/14-3094  
Control # 118-3094  
Date Issued 9/19/14  
Permit #

DESCRIPTION OF WORK: Remove & Replace 11 outlets  
Water Supply Source \_\_\_\_\_  
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., tamper, low/high air)  
Signaling Devices (i.e., horn/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 \_\_\_\_\_  
CO<sub>2</sub> Suppression \_\_\_\_\_  
Foam Suppression \_\_\_\_\_  
FM200 Suppression \_\_\_\_\_  
Other \_\_\_\_\_

Other Systems \_\_\_\_\_  
Kitchen Hood Exhaust System \_\_\_\_\_  
Smoke Control System \_\_\_\_\_  
Fuel-Fired Appliances ☒ Gas ☐ Oil ☐ Solid \_\_\_\_\_  
Fireplace Venting/Metal Chimney \_\_\_\_\_  
Other \_\_\_\_\_

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



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 671 Lot 1.01 Qualification Code \_\_\_\_\_  
Work Site Location 1 Brick Plaza

Owner in Fee: The Sports Authority  
Tel. (720) 475-2113 e-mail afisher@sportsauthority.com

Address 1050 W. Hampden Englewood CO 80110  
Contractor: AES Mechanical Services municipality Tel. (334) 252-0380 zip code  
Address 2171 AL Hwy 229 e-mail stacey@aesmech.com

Tallassee, AL 36078  
Contractor License No. or Builder Registration No. \_\_\_\_\_ Exp. Date \_\_\_\_\_  
Home Improvement Contractor Registration No. or Exemption Reason \_\_\_\_\_  
Federal Emp. ID No. 201068725 FAX: (334) 252-0387

JOB SUMMARY (Office Use Only)  
PLAN REVIEW

Table with columns: No. of Stories, Proposed, Initial, Date, Type, Failure, Failure, Approval, Initial, Date. Rows include: All, Footings/Foundations, Structural/Framework, Exterior, Interior, Joint Plan Review Required, Elec. [ ] Plumb. [ ] Fire [ ] Elevator, SUBCODE APPROVAL for PERMIT, SUBCODE APPROVAL for CERTIFICATE, Date: 03/17/14, Approved by: [Signature], SUBCODE APPROVAL for CERTIFICATE, Date: 03/13/15, Approved by: [Signature], TCO, Other, Final, Barrier-Free.

B. BUILDING CHARACTERISTICS

Use Group Present \_\_\_\_\_ Proposed \_\_\_\_\_  
No. of Stories \_\_\_\_\_  
Height of Structure \_\_\_\_\_ ft.  
Area — Largest Floor \_\_\_\_\_ sq. ft.  
New Bldg. Area/All Floors \_\_\_\_\_ sq. ft.  
Volume of New Structure \_\_\_\_\_ cu. ft.  
Max. Live Load \_\_\_\_\_  
Max. Occupancy Load \_\_\_\_\_

U.C.C. F110 (rev. 11/03)  
Internet version

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.

Sign here: \_\_\_\_\_

Print name here: Charles Jason Kujala

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

Remove & Replace 11 RTU, (package units)

Date Received \_\_\_\_\_  
Control # \_\_\_\_\_  
Date Issued \_\_\_\_\_  
Permit # \_\_\_\_\_

14-3094  
01/19/14

TYPE OF WORK:

- [ ] New Building
- [ ] Addition
- [ ] Rehabilitation
- [ ] Roofing
- [ ] Siding
- [ ] Fence \_\_\_\_\_ Height (exceeds 6') \_\_\_\_\_ Sq. Ft.
- [ ] Sign \_\_\_\_\_ Sq. Ft.
- [ ] Pool
- [ ] Retaining Wall \_\_\_\_\_ Sq. Ft.
- [ ] Asbestos Abatement Subchapter 8
- [ ] Lead Haz. Abatement NJAC 5:17
- [ ] Radon Remediation
- [X] Other Replace
- [ ] Demolition

FEE (Office Use Only)

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

Applicant: When submitting this form to your Local Construction Code Enforcement Office, please provide one original plus three photocopies.



# 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 671 Lot 1.01 Qualification Code \_\_\_\_\_  
Work Site Location 1 Brick Plaza Brick NJ 08723

Owner In Fee: \_\_\_\_\_

Tel. (856) 783-4422

e-mail \_\_\_\_\_

Address \_\_\_\_\_

Contractor: **PDO ELECTRIC CORP**

City/County \_\_\_\_\_

Tel. (856) 783-4422

Address **7 CONESTOGA RD**

e-mail **INFO@PDoeLECTRIC.COM**

**LAUREL SPRINGS, NJ 08021**

Contractor License No. **NJ34E101562100**

Exp. Date **03/31/2015**

Home Improvement Contractor Registration No. or Exemption Reason \_\_\_\_\_

Federal Emp. ID No. \_\_\_\_\_

FAX: \_\_\_\_\_

## B. ELECTRICAL CHARACTERISTICS

Use Group Present \_\_\_\_\_

Proposed \_\_\_\_\_

[ ] Pole/Pad # \_\_\_\_\_

[ ] Temporary [ ] Other \_\_\_\_\_

Building Occupied as \_\_\_\_\_

Utility Co. \_\_\_\_\_

Est. Cost of Elec. Work \$ **3,000**

**0**

## JOB SUMMARY (Office Use Only)

### PLAN REVIEW

[ ] No Plans Required

Dates (Month/Day) \_\_\_\_\_

[ ] Partial -Underslab Utilities Approved

Type: \_\_\_\_\_

Failure \_\_\_\_\_

Approval \_\_\_\_\_

Initial \_\_\_\_\_

Date: \_\_\_\_\_ Approved by: \_\_\_\_\_

Trench \_\_\_\_\_

Barrier-Free \_\_\_\_\_

[ ] Electric Plans Approved

Temp. Serv. \_\_\_\_\_

Const. Serv. \_\_\_\_\_

Joint Plan Review Required:

[ ] Bldg. [ ] Plumb. [ ] Fire. [ ] Elev. \_\_\_\_\_

TCO \_\_\_\_\_

Other \_\_\_\_\_

SUBCODE APPROVAL FOR PERMIT

Service \_\_\_\_\_

Final \_\_\_\_\_

Date: \_\_\_\_\_ Approved by: \_\_\_\_\_

Barrier-Free \_\_\_\_\_

SUBCODE APPROVAL FOR CERTIFICATE

[ ] CO [ ] CCO [ ] TCA \_\_\_\_\_

Temp. Cut-in-Card Date Issued \_\_\_\_\_

Date: **1/16/15**

Annual Pqcl 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: **Ryan Johnson**

X Licensed Elec. Contractor [ ] Certifd Landscape Irrigation Contr [ ] Electrical Applicant

## D. TECHNICAL SITE DATA

### DESCRIPTION OF WORK:

**xcng RTU w/like kind & reconnect feeders 40A occpd**

QTY. SIZE

ITEMS

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 1/4 HP

KW Transformer/Generator

AMP Service

AMP Subpanels

AMP Motor Control Center

KW Elec. Sign/Outline Light

Date Received  
Control #  
Date Issued  
Permit #

**146-3094**  
**01/19/14**

Administrative Surcharge \$ \_\_\_\_\_

Minimum Fee \$ \_\_\_\_\_

State Permit Surcharge Fee \$ \_\_\_\_\_

TOTAL FEE \$ \_\_\_\_\_



# CONSTRUCTION PERMIT

Date Issued 9/19/14  
Control # C-14-003900  
Permit # 13-3094

IDENTIFICATION Block: 671 Lot: 1.01  
Work Site Location: 56 CHAMBERS BRIDGE RD. SPORTS Qualifier  
AUTHORITY Brick Township, NJ Contractor AES MECHANICAL SERVICES  
Owner in Fee FEDERAL REALTY INVESTMENT TRUST Address 2171 AL HWY 229 TALLASSEE AL 36078  
1626 EAST JEFFERSON ST ROCKVILLE NJ Telephone: (334) 252-0380  
20852 Lic. No. or Bldrs. Reg. No.  
Telephone: (720) 475-2113 Federal Employee. No.

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:

RENOVATION - COMERCIAL - SPORTS AUTHORITY ... REMOVE/REPLACE (11) RTU'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 \$29,150

Daniel Newman Jr  
Construction Official

9/17/14  
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         | \$1,038       |
| Electrical       | \$605         |
| Plumbing         | \$825         |
| Fire Protection  | \$935         |
| Elevator Devices | \$0           |
| Other            | \$0.00        |
| DCA Training Fee | \$49          |
| CO Fee           |               |
| Other            | \$0           |
| Total            | \$3,452       |
| Check No.        | <u>034152</u> |
| Cash             | \$0           |
| Credit           | \$0           |
| Collected By     |               |

## 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:
1. 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.
  2. Foundations and all walls up to grade level prior to back filling.
  3. 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.
  4. 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.

RECEIVING CLERK  
DATE REC'D

# ZONING PERMIT APPLICATION

PERMIT # 2014-01007  
DATE ISSUED 01/01/14

BLOCK: 671 LOT: 1.01 QUALIFIER: SITE ADDRESS: 60 Brick Plaza

## IDENTIFICATION:

1. NAME OF OWNER IN FEE: The Sports Authority

COMPLETE ADDRESS: 1050 W. Hampden Ave  
Englewood CO 80110

PHONE # 720-475-2113 EMAIL: afisher@sportsauthority.com

2. NAME OF APPLICANT: Aes Mechanical Services

APPLICANT ADDRESS: 2171 E Hwy 229  
Littleton CO 80120

PHONE # 334-252-0380 EMAIL: Stacey@aesmech.com

3. RESPONSIBLE PERSON FOR WORK: Michael Fowler

PHONE # 334-252-0380 FAX # 334-252-0387

4. SIGNATURE OF APPLICANT:

## FOR OFFICE USE ONLY

### FEE SUMMARY:

APPLICATION FEE: \$ 50

OTHER: \$

TOTAL: \$ 50

### REQUIRED BY APPLICANT

RESIDENTIAL: ☒

COMMERCIAL: ☒

EXISTING USE: Sports Authority

PROPOSED USE: Sports Authority

BOARD APPROVAL: PB ZB

RESOLUTION#:

APPROVAL DATE:

PROJECT DESCRIPTION: (PLEASE CHECK APPLICABLE WORK & DESCRIBE)

\*NEW BUILDING: \*ADDITION \*ALTERATION \*PORCH \*DECK

POOL: ABOVE GROUND IN GROUND FENCE: HEIGHT TYPE MATERIAL

HEIGHT: (\*IF APPLICABLE)

OTHER

DESCRIPTION: Remove 3 Replace 11 Rooftop units

ZONING REVIEW:

DATE REVIEWED: 9-5-14

DATE DENIED:

DATE APPROVED: 9-5-14

INTLS: cu

(SEE BACK PAGE)

OFFICE USE ONLY

Journal of Management Inquiry 23(4) 391-407

## ZONING REVIEW:

|                |                |           |
|----------------|----------------|-----------|
| DATE RECEIVED: | DATE APPROVED: | INITIALS: |
|                |                |           |

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|

|             |  |
|-------------|--|
| INITIALS:   |  |
| SURVIVENTS: |  |

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Brick Township  
401 Chambers Bridge Rd.

Brick, NJ 08723  
(732) 262-1336

Date Issued: 9/19/14  
Application Number: ZA-14-01108  
Application Date: 09/05/2014  
Project Number: \_\_\_\_\_  
Permit Number: 2P-14-01007  
Fee: \$50

## Zoning Permit

Worksite **56 CHAMBERS BRIDGE RD.**  
Location: **Brick Township, NJ**

Block: 671  
Lot: 1.01  
Qualifier: \_\_\_\_\_  
Zone: B-3

Owner: **The Sports Authority**  
Address: **1050 W. Hampden Avenue**  
**Englewood, CO 80110**

Applicant: **AES Mechanical Services**  
Address: **2171 AL Highway 229**  
**Tallassee, AL 36078**

Application Approved Date: 09/05/2014

This Certifies that an application for the issuance of a Zoning Permit has been examined.

Use is: Retail Store Sports Authority

Nonconforming Use is: \_\_\_\_\_

Work Description:

**Air-Conditioner Condenser Unit - Remove & Replace 11 Roof top units**

**Additional Zoning permit is required for additional work.**

Upon review it was determined that the Zoning Permit:

- ☒ Permitted by Ordinance
- ☐ Permitted by Variance approved on: \_\_\_\_\_
- ☐ Valid Nonconforming Use is established by
  - ☐ Zoning Board of Adjustment
  - ☐ Zoning Officer

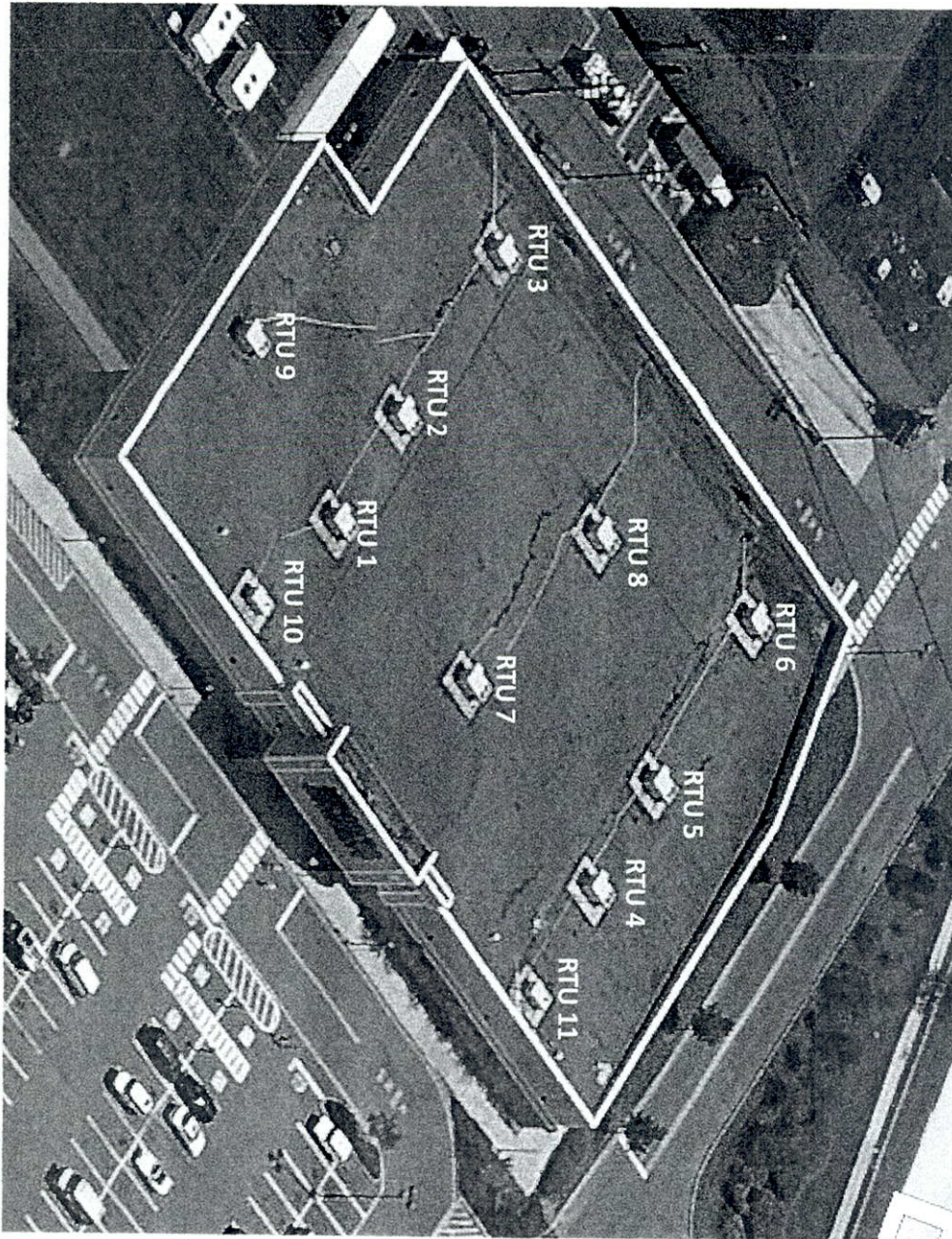
  
\_\_\_\_\_  
Christopher J. Romano, Office Of Zoning

09/05/2014

Date

  
\_\_\_\_\_  
Michael P. Fowler, Township Planner

9/5/14  
Date



The Sports Authority  
1 Brick Plaza  
Brick, NJ

Zoning Review  
Approval

By: AKL RTU Repl.  
Date: 9-5-14 only



# 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 671  
Work Site Location 1 Brick Plaza Lot 1.01 Qualification Code

Owner In Fee: The Sports Authority

Tel. (720) 475-2113 e-mail [afisher@sportsauthority.com](mailto:afisher@sportsauthority.com)

Address 1050 W. Hampden Englewood CO 80110

Contractor: AES Mechanical Services Tel. (334) 252-0380

Address 2171 AL Hwy 229 e-mail [stacey@aesmech.com](mailto:stacey@aesmech.com)

Tallassee, AL 36078

Contractor License No. or Builder Registration No. Exp. Date

Home Improvement Contractor Registration No. or Exemption Reason

Federal Emp. ID No. 201068725 FAX: (334) 252-0387

## JOB SUMMARY (Office Use Only)

PLAN REVIEW Date Initial

☒ No Plans Required ☒ All

☐ Footings/Foundations ☐ Footing Bonding

☐ Structural/Framework ☐ Foundation

☐ Exterior ☐ Slab

☐ Interior ☐ Frame

Joint Plan Review Required: ☐ Truss Sys./Bracing

☐ Elec. ☐ Plumb. ☐ Fire ☐ Elevator ☐ Barrier-Free

SUBCODE APPROVAL FOR PERMIT Date: 09/17/14

Approved by: [Signature] Insulation

SUBCODE APPROVAL FOR CERTIFICATE ☐ CO ☐ CCO ☐ CA

Date: 09/17/14

Approved by: [Signature] Energy

TCO Mechanical

Other Final

Barrier-Free

## B. BUILDING CHARACTERISTICS

Use Group Present Proposed

No. of Stories

Height of Structure ft.

Area — Largest Floor sq. ft.

New Bldg. Area/All Floors sq. ft.

Volume of New Structure cu. ft.

Max. Live Load

Max. Occupancy Load

Constr. Class Present Proposed

If Industrialized Building: State Approved HUD

Est. Cost of Bldg. Work: 25,950

1. New Bldg. \$

2. Rehabilitation \$

3. Total (1+2) \$ 25,950

U.C.C. F110 (rev. 11/09)

Internet version

Date Received

13-3094

3342528439

Control #

01/19/14

## 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.

Sign here:

Print name here: Charles Jason Kujala

## D. TECHNICAL SITE DATA

### DESCRIPTION OF WORK

Remove & Replace 11 RTU, (package units)

### TYPE OF WORK:

☐ New Building

☐ Addition

☐ Rehabilitation

☐ Roofing

☐ Siding

☐ Fence \_\_\_\_\_ Height (exceeds 6') \_\_\_\_\_ Sq. Ft.

☐ Sign \_\_\_\_\_ Sq. Ft.

☐ Pool

☐ Retaining Wall \_\_\_\_\_ Sq. Ft.

☐ Asbestos Abatement Subchapter 8

☐ Lead Haz. Abatement NJAC 5:17

☐ Radon Remediation

☒ Other Replace

☐ Demolition

FEE (Office Use Only)

\$

Administrative Surcharge \$

Minimum Fee \$

State Permit Surcharge Fee \$

TOTAL FEE \$

Applicant: When submitting this form to your Local Construction Code Enforcement Office, please provide one original plus three photocopies.



# 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 \_\_\_\_\_ Lot \_\_\_\_\_  
Work Site Location 1 Brick Plaza Brick NJ 08723

Qualification Code \_\_\_\_\_

Owner In Fee: \_\_\_\_\_

Tel. (856) 783-4422

e-mail \_\_\_\_\_

Address \_\_\_\_\_

Contractor **PDO ELECTRIC CORP**

Address **7 CONESTOGA RD**

**LAUREL SPRINGS, NJ 08021**

Contractor License No. **NU34EI01562100**

Exp. Date **03/31/2015**

Home Improvement Contractor Registration No. or Exemption Reason \_\_\_\_\_

Permit ID No. \_\_\_\_\_

FEES \_\_\_\_\_

## B. ELECTRICAL CHARACTERISTICS

Use Group **Residential**

Forced \_\_\_\_\_

☐ Pole/Pad \_\_\_\_\_

☐ Temporary \_\_\_\_\_

☐ Other \_\_\_\_\_

Building Occupied as \_\_\_\_\_

Utility Co. \_\_\_\_\_

Est. Cost of Elec. Work \$ **3,000**

## C. JOB SUMMARY (Office Use Only)

☐ No Plans Required

### INSPECTIONS

Dates (Month/Day/)

☐ Partial—Utilities Approved

Date: \_\_\_\_\_ Approved by: \_\_\_\_\_

☒ Electric Plans Approved

Date: 9/12/14 Approved by: [Signature]

☐ Final Plan Review Required

☐ Bldg ☐ Pumph. ☐ Fire ☐ Elev.

SUBCODE APPROVAL FOR PERMIT

Date: 9/12/14 Approved by: [Signature]

SUBCODE APPROVAL FOR CERTIFICATE

☐ CO ☐ OCC ☐ CA

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_

Temp. Out-of-Card Date Issued \_\_\_\_\_  
Final Out-of-Card Date Issued \_\_\_\_\_  
Annual Field Inspection \_\_\_\_\_  
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: **Ryan Johnson**

☒ Licensed Elec. Contractor ☐ Certified Landscape Irrigation Contr. ☐ Exempt Applicant

## D. TECHNICAL SITE DATA

DESCRIPTION OF WORK: **xchg RTU w/like kind & reconnect feeders 40A occpd**

QTY. \_\_\_\_\_

SIZE \_\_\_\_\_

ITEMS

Lighting Fixtures

Receptacles

Switches

Devices

Light Poles

Meters—Frac. HP

Emergency & Exit Lights

Communications Poles

Alarm Devices/Fire Alarm Panel

0

TOTAL FEES

Pool Pumps/Wh. Lvl. Lights

Storage Pool/Spa/Hot Tub

KW 120V Range/Refrigerator

KW 120V Dishwasher

KW 120V Water Heater

KW 120V Dryer/Freezer

KW 240V Stove

KW 240V A/C Unit

KW 240V Space Heater/Hot Water

KW 240V Heat Pump

KW 240V Transformer

KW 240V Generator

KW 240V Sump Pump

KW 240V Sump Pump

KW 240V Sump Pump

KW 240V Sump Pump

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KW 240V Sump Pump

Date Received \_\_\_\_\_  
Contract # \_\_\_\_\_  
Date Issued \_\_\_\_\_  
Permit # \_\_\_\_\_

13-3094  
9/19/14

Administrative Charges \$ \_\_\_\_\_

Minimum Fee \$ \_\_\_\_\_

State Permit Surcharge Fee \$ \_\_\_\_\_

TOTAL FEES \$ \_\_\_\_\_

# ENGINEERING PERMIT APPLICATION

BLOCK: 671 LOT: 1.01 ADDRESS: 56 Brick Plaza

RECEIVING CLERK: \_\_\_\_\_  
PERMIT #: \_\_\_\_\_

## IDENTIFICATION:

1. WORK SITE ADDRESS: 1 Brick Plaza

2. NAME OF OWNER IN FEE: The Sports Authority

ADDRESS: 1050 W Hampden PHONE #: ( ) 720 - 475-2113

Englewood, Co 80110 FAX #: ( ) \_\_\_\_\_

3. PRINCIPAL CONTRACTOR: Aes Mechanical Svcs

ADDRESS: 2171 AC Hwy 229 PHONE #: ( ) 334 252-0380

Tallassee, AL 36078 FAX #: ( ) 334 252-0387

4. ARCHITECT OR ENGINEER: N/A

ADDRESS: \_\_\_\_\_ PHONE: # ( ) \_\_\_\_\_

5. RESPONSIBLE PERSON FOR WORK: Michael Fowler

ADDRESS: Aes Mechanical  
2171 AC Hwy 229  
Tallassee, AL 36078

PHONE #: ( ) 334 252-0380 FAX #: ( ) 334 252-0387 E-MAIL: Michael@aesmech.com

PROJECT DESCRIPTION: ☐ GRADING/CLEARING ☐ ROAD OPENING

☐ SOIL REMOVAL/FILL ☐ RETAINING WALL ☐ POOL

☐ BULKHEAD/DOCK ☐ DWELLING ☐ TREE REMOVAL

☒ OTHER Removal & Replace 11 Rtns "like for like"

LENGTH: \_\_\_\_\_ WIDTH: \_\_\_\_\_ HEIGHT: \_\_\_\_\_

## ENGINEERING REVIEW:

DATE RECEIVED: \_\_\_\_\_ DATE REJECTED: \_\_\_\_\_ DATE APPROVED: \_\_\_\_\_ INITIALS: \_\_\_\_\_

## FEE SUMMARY:

APPLICATION FEE: \$ \_\_\_\_\_

REVIEW FEE: \$ \_\_\_\_\_

INSPECTION FEE: \$ \_\_\_\_\_

OTHER: \$ \_\_\_\_\_

BOND(S): \$ \_\_\_\_\_

TOTAL: \$ \_\_\_\_\_

## SPECIAL CONDITIONS:

OCEAN COUNTY SOILS: \_\_\_\_\_

DRAINAGE EASEMENTS: \_\_\_\_\_

UTILITY EASEMENTS: \_\_\_\_\_

CONSERVATION EASEMENTS: \_\_\_\_\_

FEMA REQUIREMENTS: \_\_\_\_\_

D.E.P. PERMITS: \_\_\_\_\_

BOARD APPROVAL: ☐ PB ☐ ZB

APPLICATION NUMBER: \_\_\_\_\_

APPROVED DATE: \_\_\_\_\_



# Mechanical Services Group, Inc.

---

September 2, 2014

Township of Brick

Ocean County, New Jersey

401 Chambers Bridge Road

Brick NJ 08723

Enclosed please find a resubmittal application for a mechanical permit. Please contact me should additional information be required.

In advance, thank you.

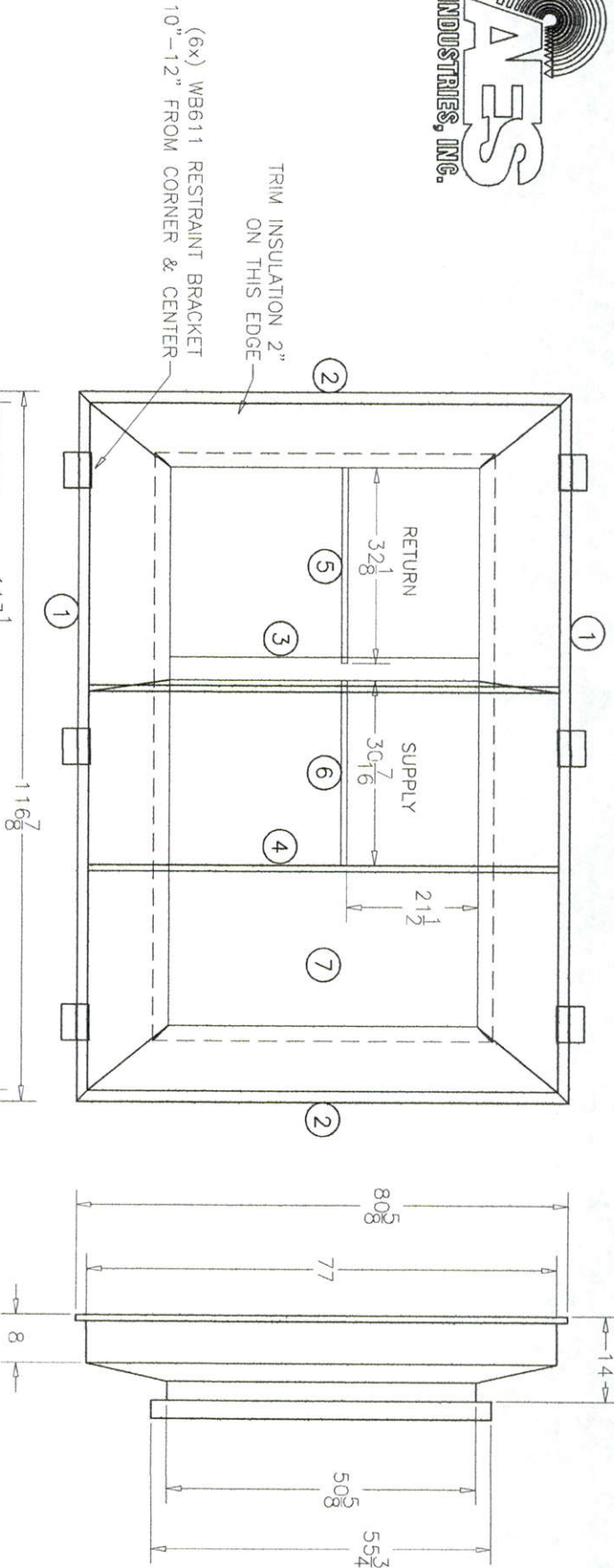
A handwritten signature in blue ink, reading 'Stacey Gowan'. The signature is fluid and cursive, with the first name 'Stacey' and last name 'Gowan' clearly visible.

Stacey Gowan

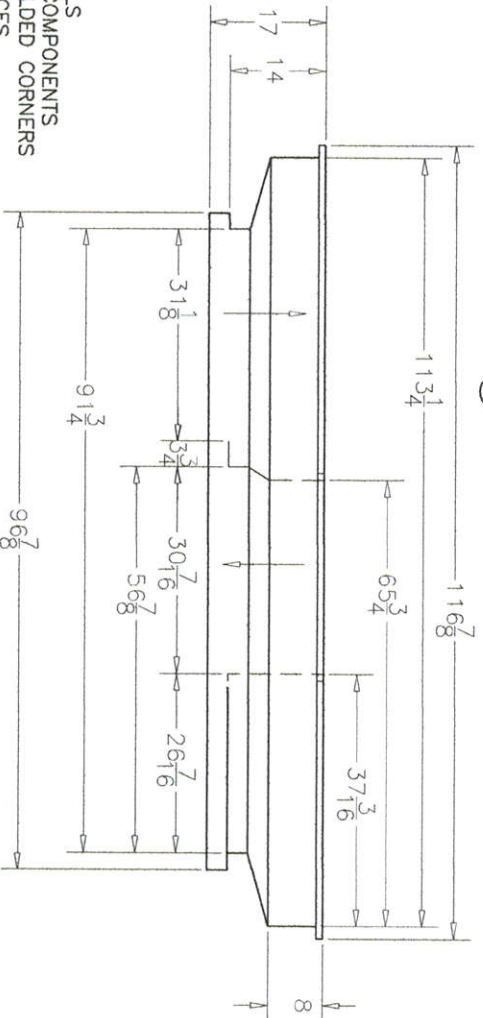
AES Mechanical Services

Cc: #49008-Brick NJ-TSA

ARAC - 2 / LENNOX -LCA-LGA-LHA-090-150 TO TRANE YCD 151E,180E,181E,210E,211E,240E,241E,300E,301E



- FEATURES:
- 16 GA GALVANIZED STEEL WALLS
  - 18 GA GALVANIZED INTERNAL COMPONENTS
  - FULL HEIGHT MITERED AND WELDED CORNERS
  - 1" DUCT LINER ON ALL SURFACES
  - (1) 50' ROLLS NEOPRENE GASKET



WEIGHT: 410lbs

QTY: 1  
TAG: RTU-9

AES ORDER NO: 4SA471

JOB NAME: THE SPORTS AUTHORITY #471

LEAD TIME QUOTED BEGINS AFTER APPROVED COPY OF THIS DRAWING IS RECEIVED BY AES

FILENAME: ACLT05168

LOCATION: BRICK, NJ

APPROVED:

DRAWN BY: JAC

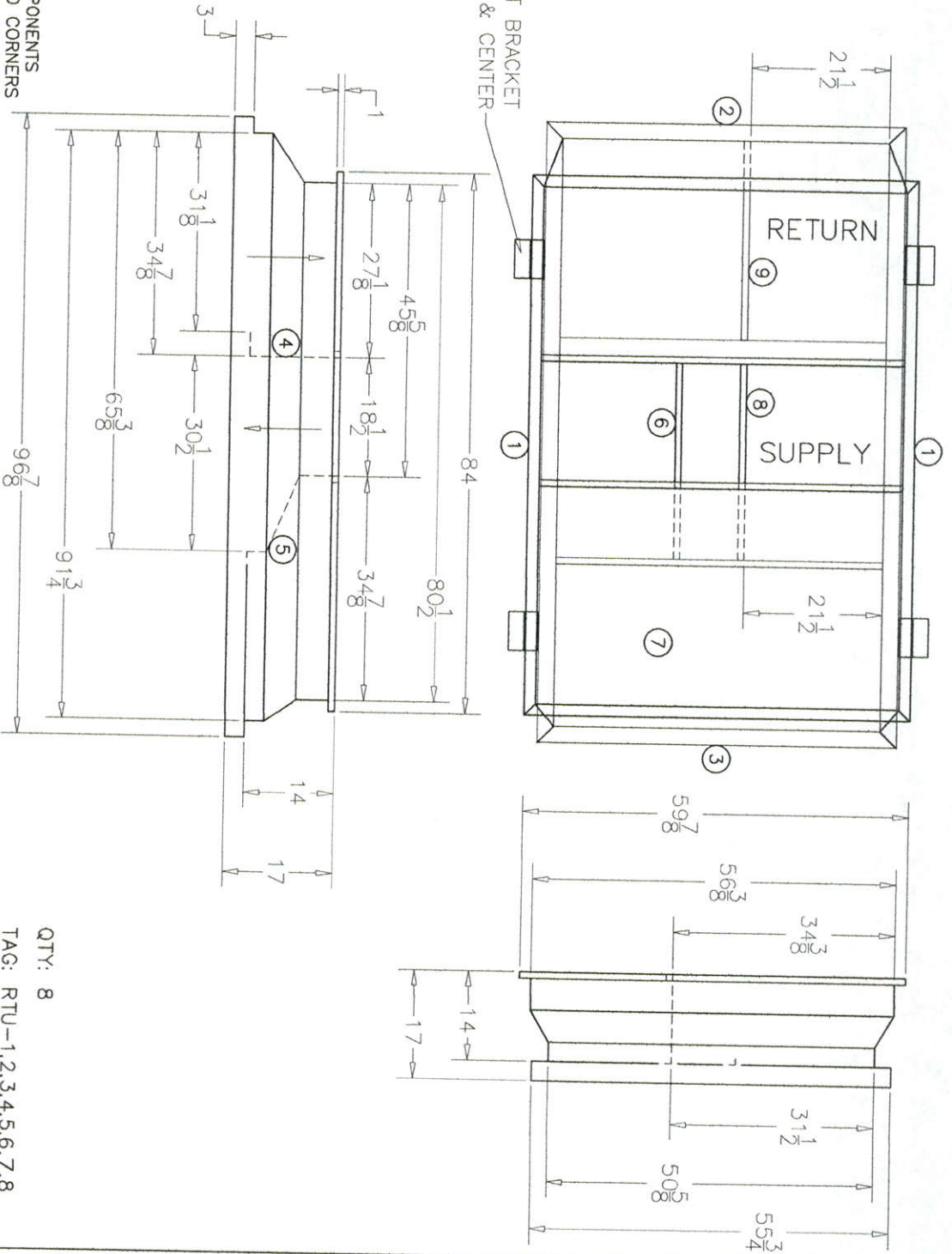
DATE: 5/31/11

DATE:



ARAC - 2 / LENNOX -LCA-LGA-LHA-090-150 TO A TRANE YHC 090E,092E,102E,120E

(4x) WB611 RESTRAINT BRACKET  
10"-12" FROM CORNER & CENTER



- FEATURES:
- 16 GA GALVANIZED STEEL WALLS
  - 18 GA GALVANIZED INTERNAL COMPONENTS
  - FULL HEIGHT MITERED AND WELDED CORNERS
  - 1" DUCT LINER ON ALL SURFACES
  - (1) 50' ROLLS NEOPRENE GASKET

QTY: 8  
TAG: RTU-1,2,3,4,5,6,7,8  
WEIGHT: 265lbs

AES ORDER NO: 4SA471

FILENAME: ACLT05158

DRAWN BY: MGP

JOB NAME: SPORTS AUTHORITY #471

LOCATION: BRICK, NJ

DATE: 7/29/10

LEAD TIME QUOTED BEGINS AFTER APPROVED COPY  
OF THIS DRAWING IS RECEIVED BY AES

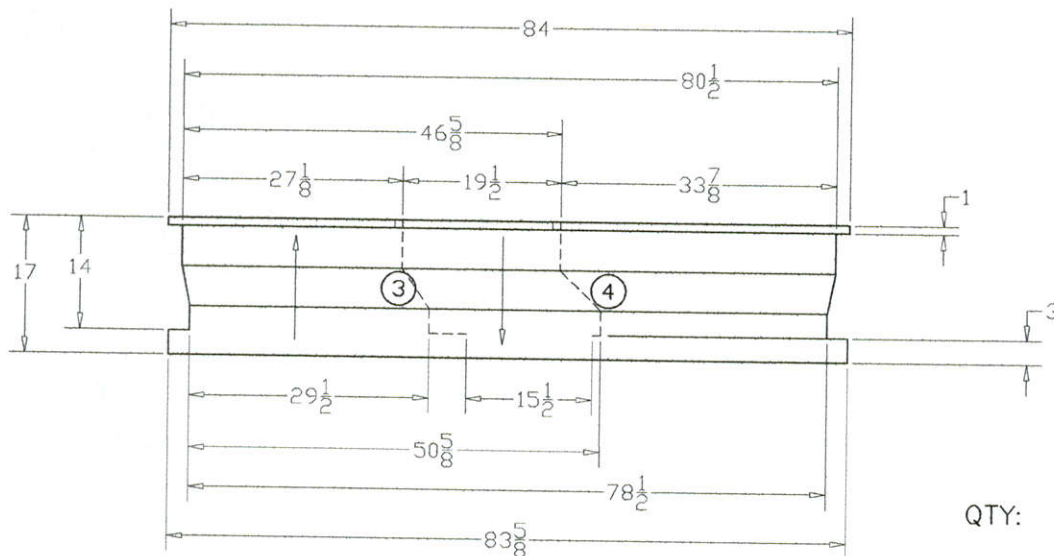
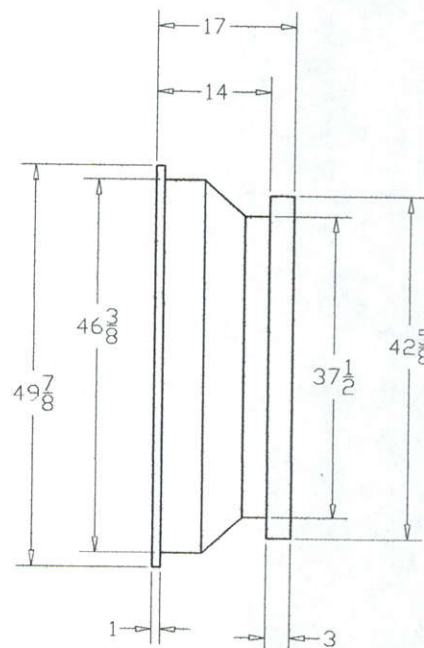
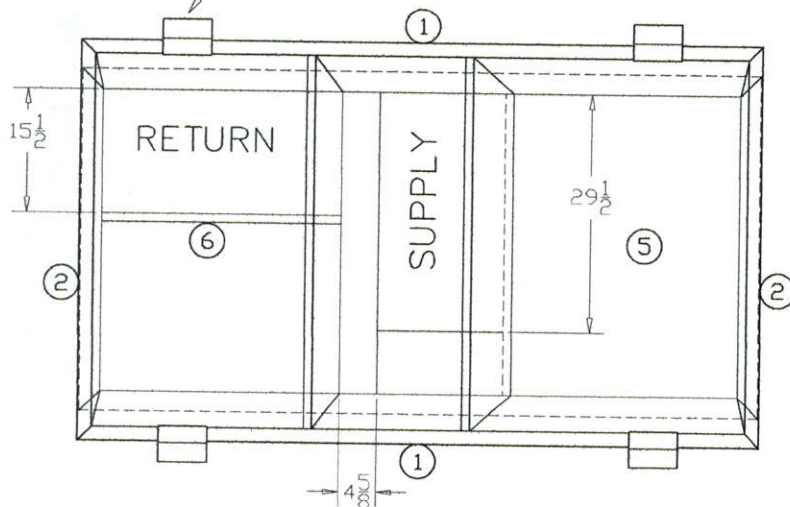
APPROVED:

DATE:



ARAC-2 / LENNOX LGA/LCA 036-072 TO TRANE YSC/YHC 072A-120A  
TRANE YSC 072E-120E / YHC 048E,060E,072E

(4x) WB611 RESTRAINT BRACKET  
10"-12" FROM CORNER



QTY: 2

TAG: RTU-10,11

WEIGHT: 200lbs

FEATURES:

- 16 GA GALVANIZED STEEL WALLS
- 18 GA GALVANIZED INTERNAL COMPONENTS
- FULL HEIGHT MITERED AND WELDED CORNERS
- 1" DUCT LINER ON ALL SURFACES
- (1) 50' ROLLS NEOPRENE GASKET

LEAD TIME QUOTED BEGINS AFTER APPROVED  
COPY OF THIS DRAWING IS RECEIVED BY AES

APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_

AES ORDER NO:

JOB NAME: THE SPORTS AUTHORITY #471

FILENAME: ACLT05160

LOCATION: BRICK, NJ

DRAWN BY: JOE

DATE: 7/29/10

**AES MECHANICAL SERVICES GROUP, INC.**  
P.O. BOX 780115 OR 2171 AL HWY 229 SOUTH  
TALLASSEE, AL 36078  
334-252-0380 VOICE  
334-252-0387 FAX

**FACSIMILE TRANSMITTAL SHEET**

|                               |                                     |
|-------------------------------|-------------------------------------|
| TO:                           | FROM:                               |
| <b>Nicole</b>                 | <b>Stacey Gowan</b>                 |
| COMPANY:                      | DATE:                               |
| <b>Brick -Building Dept</b>   | <b>09/3/2014</b>                    |
| FAX NUMBER:                   | TOTAL NO. OF PAGES INCLUDING COVER: |
| <b>732-262-2941</b>           | <b>3</b>                            |
| PHONE NUMBER:                 | SENDER'S REFERENCE NUMBER:          |
| RE:                           | YOUR REFERENCE NUMBER:              |
| <b>Additional Information</b> |                                     |

X URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

Thank you so much for all your assistance...!!



Stacey Gowan  
Contract Administrator  
AES Mechanical Services  
2171 AL Hwy 229  
Tallassee, AL 36078  
Stacey@aesmech.com  
334-252-0380 office  
**334-252-0387 fax**

**TRANE**

# Submittal

**Prepared For:** Sports Authority

**Date:** April 10, 2014

**Customer P.O. Number:**

**Customer Project Number:**

**Sold To:** Sports Authority

**Job Number:**

**Job Name:**

TSA #471 Brick, NJ

---

Trane U.S. Inc. dba Trane is pleased to provide the enclosed submittal for your review and approval.

**Product Summary**

| Qty | Product                                          |
|-----|--------------------------------------------------|
| 1   | Packaged Gas/Electric Rooftop Units              |
| 10  | 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop |

---

*The attached information describes the equipment we propose to furnish for this project, and is submitted for your approval.*

**Justin Barnes**

Trane  
445 Bryant St., Suite 5  
Denver, CO 80204-4800  
Phone: (303) 228-3300  
Cell:  
Fax: (303) 228-2828

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**Tag Data - Packaged Gas/Electric Rooftop Units (Qty: 1)**

| Item | Tag(s)     | Qty | Description                             | Model Number                                   |
|------|------------|-----|-----------------------------------------|------------------------------------------------|
| A1   | #471 RTU-9 | 1   | 12 1/2 Ton Packaged Unitary<br>Gas/Elec | YHD150F4RHA--F0A1A1A00000000000000000<br>00000 |

**Product Data - Packaged Gas/Electric Rooftop Units****Item: A1 Qty: 1 Tag(s): #471 RTU-9**

Gas/Electric  
High efficiency  
Downflow  
12.5 Ton  
Major design sequence  
460/60/3  
Reliatel  
Gas Heat - High  
Economizer Reference Enthalpy 0-100% with Barometric relief  
Hinged panels/Standard Filters  
Standard condenser coil with hail guard  
Through the base electric  
Unit mounted non-fused disconnect  
Unpowered convenience outlet  
Retrofit Curb (Fld by AES)

**Not Included:**

- **Installation**
- **Startup**
- **Smoke Detector**
- **Controls**

**Mechanical Specifications - Packaged Gas/Electric Rooftop Units****Item: A1 Qty: 1 Tag(s): #471 RTU-9****General**

The units shall be dedicated downflow or horizontal airflow. The operating range shall be between 115°F and 0°F in cooling as standard from the factory for all units. Cooling performance shall be rated in accordance with AHRI testing procedures. All units shall be factory assembled, internally wired, fully charged with R-410A, and 100 percent run tested to check cooling operation, fan and blower rotation and control sequence, before leaving the factory. Wiring internal to the unit shall be colored and numbered for simplified identification. Units shall be UL listed and labeled, classified in accordance to UL 1995/C 22.2, 236-05 3rd Edition.

**Casing**

Unit casing shall be constructed of zinc coated, heavy gauge, galvanized steel. Exterior surfaces shall be cleaned, phosphatized, and finished with a weather-resistant baked enamel finish. Unit's surface shall be tested 672 hours in a salt spray test in compliance with ASTM B117. Cabinet construction shall allow for all maintenance on one side of the unit. In order to ensure a water and air tight seal, service panels shall have lifting handles and no more than three screws to remove. All exposed vertical panels and top covers in the indoor air section shall be insulated with a 1/2 inch, 1 pound density foil-faced, fire-resistant, permanent, odorless, glass fiber material. The base of the downflow unit shall be insulated with 1/2 inch, 1 pound density foil-faced, closed-cell material. The downflow unit's base pan shall have no penetrations within the perimeter of the curb other than the raised 1 1/8 inch high supply/return openings to provide an added water integrity precaution, if the condensate drain backs up. The base of the unit shall have provisions for forklift and crane lifting.

**Unit Top**

The top cover shall be one piece, or where seams exist, double hemmed and gasket sealed to prevent water leakage.

**Filters**

Two inch standard filters shall be factory supplied on all units. Optional two inch pleated media filters shall be available.

**Compressors**

All units shall have direct-drive, hermetic, scroll type compressors with centrifugal type oil pumps. Motor shall be suction gas-cooled and shall have a voltage utilization range of plus or minus 10 percent of nameplate voltage. Internal overloads shall be provided with the scroll compressors. All models shall have crankcase heaters, phase monitors and low and high pressure control as standard.

**Crankcase Heaters**

These band heaters provide improved compressor reliability by warming the oil to prevent migration during off-cycles or low ambient conditions. These are standard on all Voyager models.

**Refrigerant Circuits**

Each refrigerant circuit shall have independent fixed orifice or thermostatic expansion devices, service pressure ports, and refrigerant line filter driers factory installed as standard. An area shall be provided for replacement suction line driers.

**Evaporator and Condenser Coils**

Microchannel coils will be burst tested by the manufacturer. Internally finned, 5/16" copper tubes mechanically bonded to a configured aluminum plate fin shall be standard for evaporator coils. Microchannel condenser coils shall be standard on all units. Coils shall be leak tested to ensure the pressure integrity. The evaporator coil and condenser coil shall be leak tested to 225 psig and pressure tested to 450 psig. Sloped condensate drain pans are standard.

**Gas Heating Section**

The heating section shall have a drum and tube heat exchanger design using corrosion resistant steel components. A forced combustion blower shall supply premixed fuel to a single burner ignited by a pilotless hot surface ignition system. In order to provide reliable operation, a negative pressure gas valve shall be used on standard furnaces and a pressure switch on furnaces with modulating heat that requires blower operation to initiate gas flow. On an initial call for heat, the

combustion blower shall purge the heat exchanger 45 seconds before ignition. After three unsuccessful ignition attempts, the entire heating system shall be locked out until manually reset at the thermostat. Units shall be suitable for use with natural gas or propane (field installed kit) and shall also comply with California requirements for low NOx emissions. The 12½- 25 tons shall have two stage heating (Gas/Electric Only).

### **Outdoor Fans**

The outdoor fan shall be direct-drive, statically and dynamically balanced, draw-through in the vertical discharge position. The fan motor(s) shall be permanently lubricated and shall have built-in thermal overload protection.

### **Indoor Fan**

Units above shall have belt driven, FC centrifugal fans with adjustable motor sheaves. Units with standard motors shall have an adjustable idler-arm assembly for quick-adjustment of fan belts and motor sheaves. All motors shall be thermally protected. Oversized motors shall be available for high static application. All indoor fan motors meet the U.S. Energy Policy Act of 1992 (EPACT).

### **Controls**

Unit shall be completely factory wired with necessary controls and contactor pressure lugs or terminal block for power wiring. Unit shall provide an external location for mounting a fused disconnect device. ReliaTel controls shall be provided for all 24 volt control functions. The resident control algorithms shall make all heating, cooling, and/or ventilating decisions in response to electronic signals from sensors measuring indoor and outdoor temperatures. The control algorithm maintains accurate temperature control, minimizes drift from set point, and provides better building comfort. A centralized control shall provide anti-short cycle timing and time delay between compressors to provide a higher level of machine protection.

### **High Pressure Cutout**

This option is offered for units that do not have High Pressure cutout as standard.

### **Discharge Line Thermostat**

A bi-metal element discharge line thermostat is installed as a standard option on the discharge line of each system. This standard option provides extra protection to the compressors against high discharge temperatures in case of loss of charge, extremely high ambient and other conditions which could drive the discharge temperature higher. Discharge line thermostat is wired in series with high pressure control. When the discharge temperature rises above the protection limit, the bi-metal disc in the thermostat switches to the off position, opening the 24 VAC circuit. When the temperature on the discharge line cools down, the bi-metal disc closes the contactor circuit, providing power to the compressor. When the thermostat opens the fourth time, the ReliaTel control must be manually reset to resume operation on that stage.

### **Tool-less Hail Guards**

Tool-less, hail protection quality coil guards are available for condenser coil protection.

### **Through the Base Electrical with Disconnect Switch**

Three-pole, molded case, disconnect switch with provisions for through the base electrical connections are available. The disconnect switch will be installed in the unit in a water tight RT-PRC028-EN 121 enclosure with access through a swinging door. Factory wiring will be provided from the switch to the unit high voltage terminal block. The switch will be UL/CSA agency recognized.

**Note:** The disconnect switch will be sized per NEC and UL guidelines but will not be used in place of unit overcurrent protection.

### **Hinged Access Doors**

Sheet metal hinges are available on the Filter/Evaporator Access Door and the Compressor/Control Access Door. This option is available on all downflow models.

**Reference or Comparative Enthalpy**

Reference Enthalpy is used to measure and communicate outdoor humidity. The unit receives and uses this information to provide improved comfort cooling while using the economizer. Comparative Enthalpy measures and communicates humidity for both outdoor and return air conditions, and return air temperature. The unit receives and uses this information to maximize use of economizer cooling, and to provide maximum occupant comfort control. Reference or Comparative Enthalpy option shall be available when a factory or field installed Downflow Economizer is ordered. This option is available on all downflow models.

**Reference Enthalpy-Factory Installed**

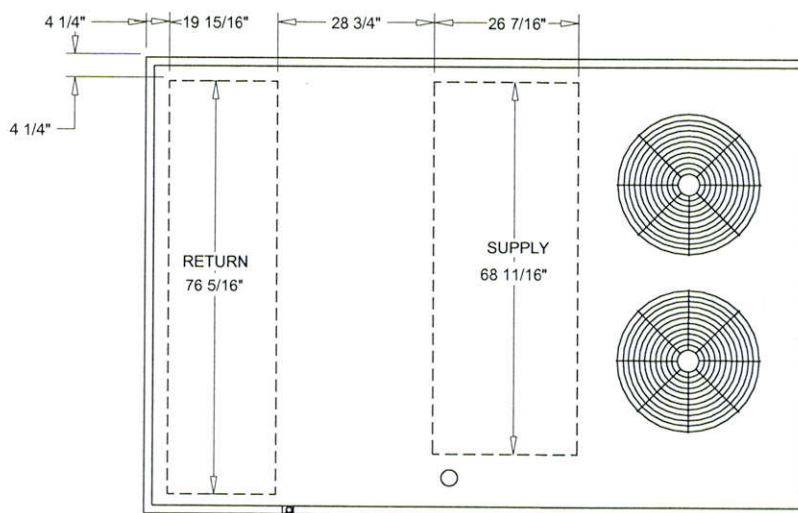
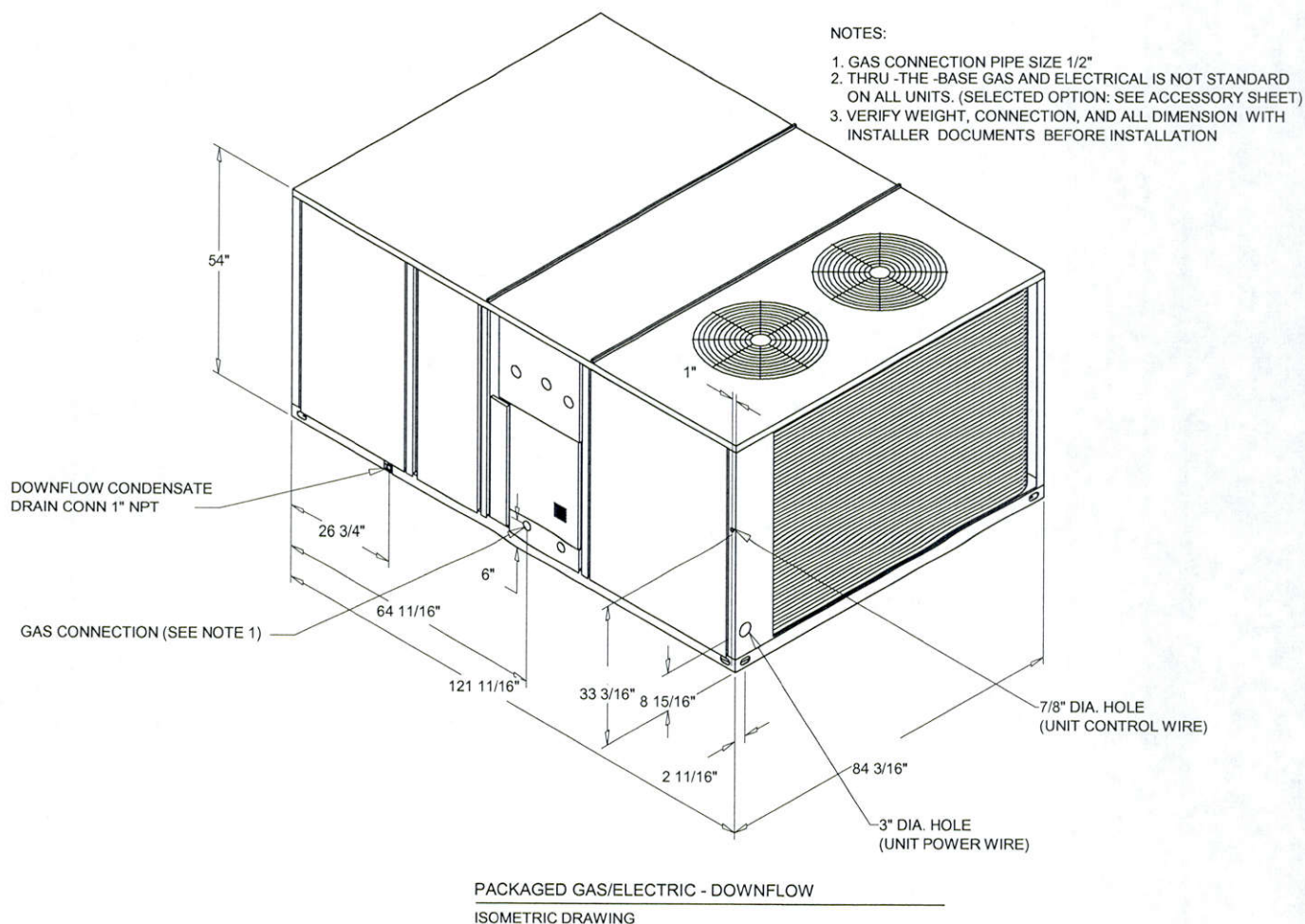
This option will be factory installed to measure and communicate outdoor humidity. The unit will receive and use this information to provide improved comfort cooling while using the economizer.

**Hinged Access Doors - Ultra High**

Sheet metal hinges are available on the Filter/Evaporator Access Door and the Compressor/Control Access Door. This option is available on all downflow models.

## Unit Dimensions - Packaged Gas/Electric Rooftop Units

Item: A1 Qty: 1 Tag(s): #471 RTU-9



## Unit Dimensions - Packaged Gas/Electric Rooftop Units

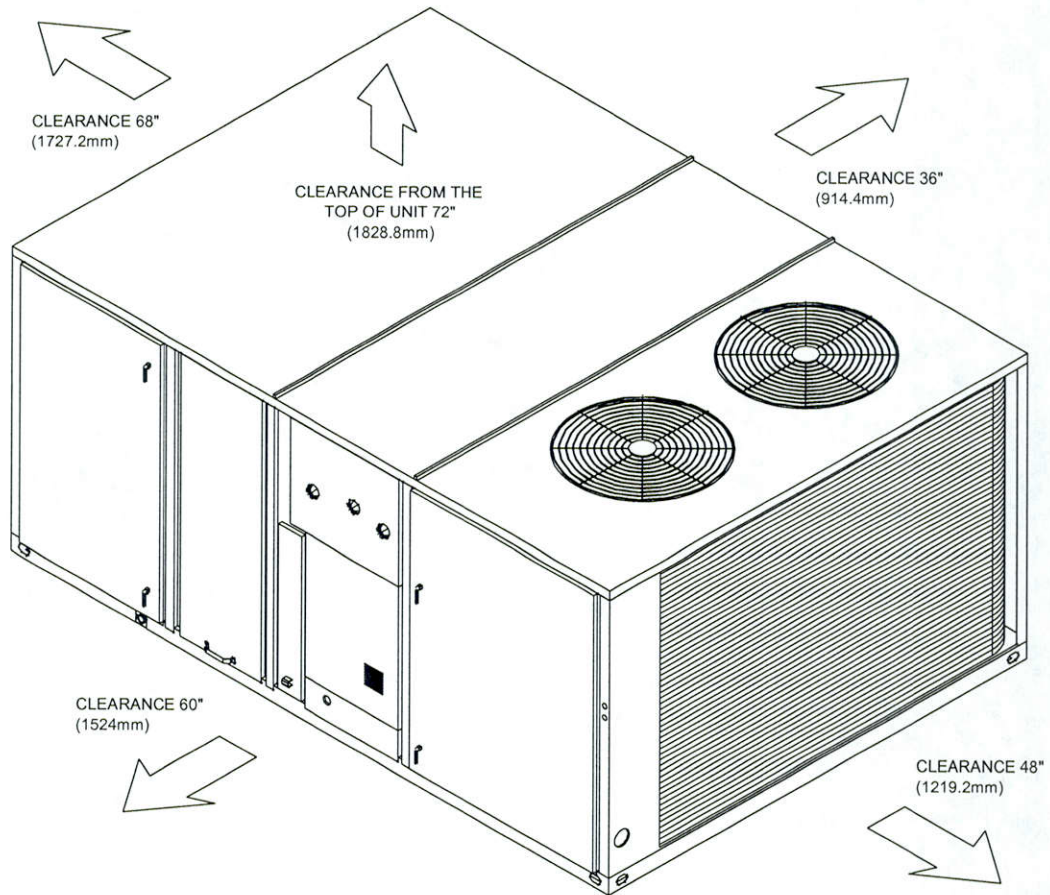
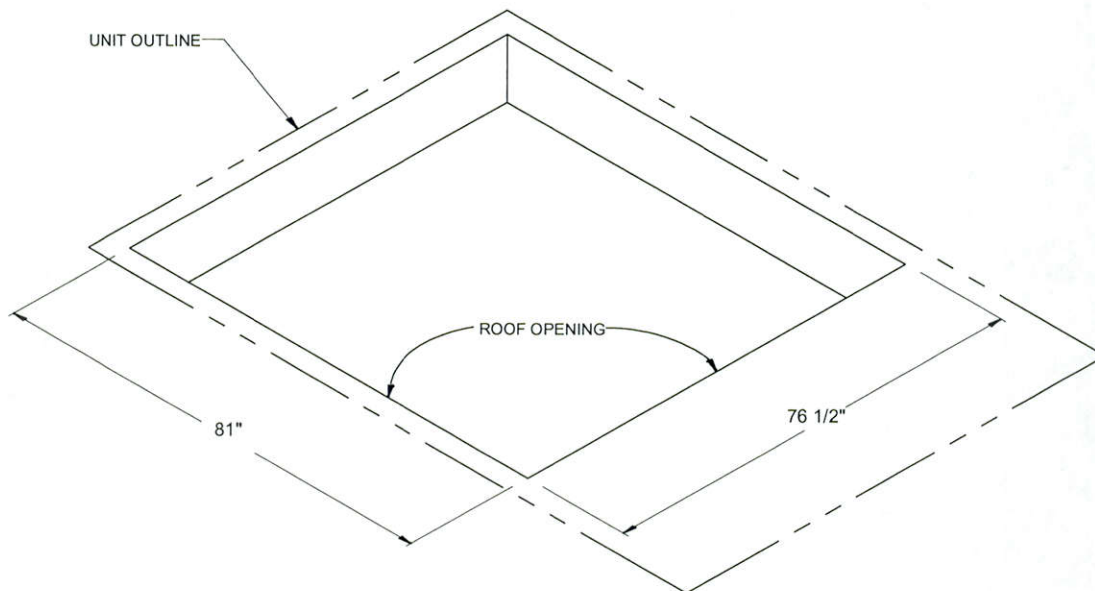
Item: A1 Qty: 1 Tag(s): #471 RTU-9

## ELECTRICAL / GENERAL DATA

|                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>GENERAL PERFORMANCE</b>                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Model (Ton): (10)(11)(12)(13)(14) YHD150F (12.5)<br>Unit Operating Voltage Range: 414-506<br>Unit Primary Voltage: 460<br>Unit Secondary Voltage: -<br>Unit Hertz: 60<br>Unit Phase: 3<br>EER: (7) 12.1                                       |  | Standard Motor (1) (3) (4)<br>Minimum Circuit Ampacity: 32.0<br>Maximum Fuse Size: 40.0<br>Maximum (HACR) Circuit Breaker: 40.0<br>Standard Oversized Motor (6) (4)<br>Minimum Circuit Ampacity: -<br>Maximum Fuse Size: -<br>Maximum (HACR) Circuit Breaker: -<br>Accessory Oversized Motor (6) (4)<br>Minimum Circuit Ampacity: -<br>Maximum Fuse Size: -<br>Maximum (HACR) Circuit Breaker: - |  |
| <b>GAS HEATING</b>                                                                                                                                                                                                                            |  | <b>COMPRESSOR</b>                                                                                                                                                                                                                                                                                                                                                                                |  |
| Heating Models: High<br>Heating and 1 Stage Input (Btu/h): 250,000 / 175,000<br>Heating and 1 Stage Output (Btu/h): 203,000 / 142,000<br>Min./Max. Gas Input -<br>Pressure Natural or LP (in w.c): 2.5/14.0<br>Gas Connection Pipe Size: 1/2" |  | Circuit #1 / 2<br>Number: 2<br>Horsepower: 5.6/3.67<br>Phase: 3<br>Rated Load Amps: 12.8/7.1<br>Locked Rotor Amps: 100.0/46.0                                                                                                                                                                                                                                                                    |  |
| <b>INDOOR MOTOR</b>                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Standard Motor<br>Number: 1<br>Horsepower: 3.0<br>Motor Speed (RPM): 1,740<br>Phase: 3<br>Full Load Amps: 4.8<br>Locked Rotor Amps: 40.5                                                                                                      |  | Standard Oversized Motor (6)<br>Number: -<br>Horsepower: -<br>Motor Speed (RPM): -<br>Phase: -<br>Full Load Amps: -<br>Locked Rotor Amps: -<br>Accessory Oversized Motor (6)<br>Number: -<br>Horsepower: -<br>Motor Speed (RPM): -<br>Phase: -<br>Full Load Amps: -<br>Locked Rotor Amps: -                                                                                                      |  |
| <b>OUTDOOR MOTOR</b>                                                                                                                                                                                                                          |  | <b>POWER EXHAUST</b><br>(Field Installed Power Exhaust)                                                                                                                                                                                                                                                                                                                                          |  |
| Number: (8) 2<br>Horsepower: 0.5<br>Motor speed (RPM): 1,100<br>Phase: 1<br>Full Load Amps: 1.6<br>Locked Rotor Amps: 3.8                                                                                                                     |  | Horsepower: N/A<br>Motor Speed (RPM): N/A<br>Phase: N/A<br>Full Load Amps: N/A<br>Locked Rotor Amps: N/A                                                                                                                                                                                                                                                                                         |  |
|                                                                                                                                                                                                                                               |  | <b>COMBUSTION BLOWER MOTOR</b><br>(Gas-Fired Heating only)                                                                                                                                                                                                                                                                                                                                       |  |
|                                                                                                                                                                                                                                               |  | Horsepower: 0.05<br>Motor Speed (RPM): 3500/2800<br>Phase: 1<br>Full Load Amps: 0.5<br>Locked Rotor Amps: 0.78                                                                                                                                                                                                                                                                                   |  |
| <b>FILTER</b>                                                                                                                                                                                                                                 |  | <b>REFRIGERANT</b>                                                                                                                                                                                                                                                                                                                                                                               |  |
| Type: Throwaway<br>Furnished: Yes<br>Number: 4/4<br>Recommended Size: 20"x20"x2" / 20"x25"x2"                                                                                                                                                 |  | Circuit #1 / 2<br>Type: (2) R - 410<br>Factory Charge<br>Circuit #1 / 2: 9.7 lb / 6.2 lb                                                                                                                                                                                                                                                                                                         |  |

## NOTES:

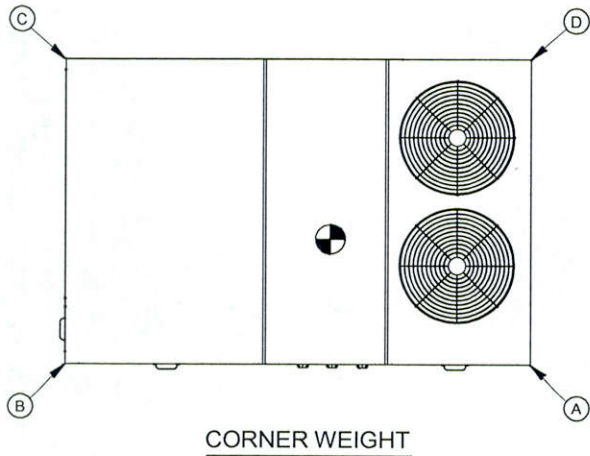
1. Maximum (HACR) Circuit Breaker sizing is for installations in the United States only.
2. Refrigerant charge is an approximate value. For a more precise value, see unit nameplate and service instructions.
3. Value does not include Power Exhaust Accessory.
4. Value does not include Heater.
5. Value include Standard Motor.
6. Value include Oversized Motor
7. EER is rated at AHRI conditions and in accordance with DOE test procedures.
8. For Compressor Motors and Condenser Fan Motors: Amp draw for each motor; multiply value by number of motors to determine total amps.
9. HP for each compressor.
10. TXV/Face-Split Option (Downflow Only) YCD211E3,4,W (EER):12; (System Power kW): 17.33; (Refrigerant Control): Expansion Valve;
11. TXV/Face-Split Option (Downflow Only) YCD241E3,4,W (EER):11; (System Power kW): 22; (Refrigerant Control): Expansion Valve;
12. TXV/Face-Split Option (Downflow Only) YCD301E3,4,W (EER):11; (System Power kW): 25.45; (Refrigerant Control): Expansion Valve;
13. Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270 or 370.
14. AFUE is rated in accordance with DOE test procedures.

**Weight, Clearance & Rigging Diagram - Packaged Gas/Electric Rooftop Units****Item: A1 Qty: 1 Tag(s): #471 RTU-9**DOWNFLOW-PACKAGED GAS/ELECTRIC CLEARANCEDOWNFLOW-PACKAGED GAS/ELECTRIC ROOF OPENING CLEARANCE

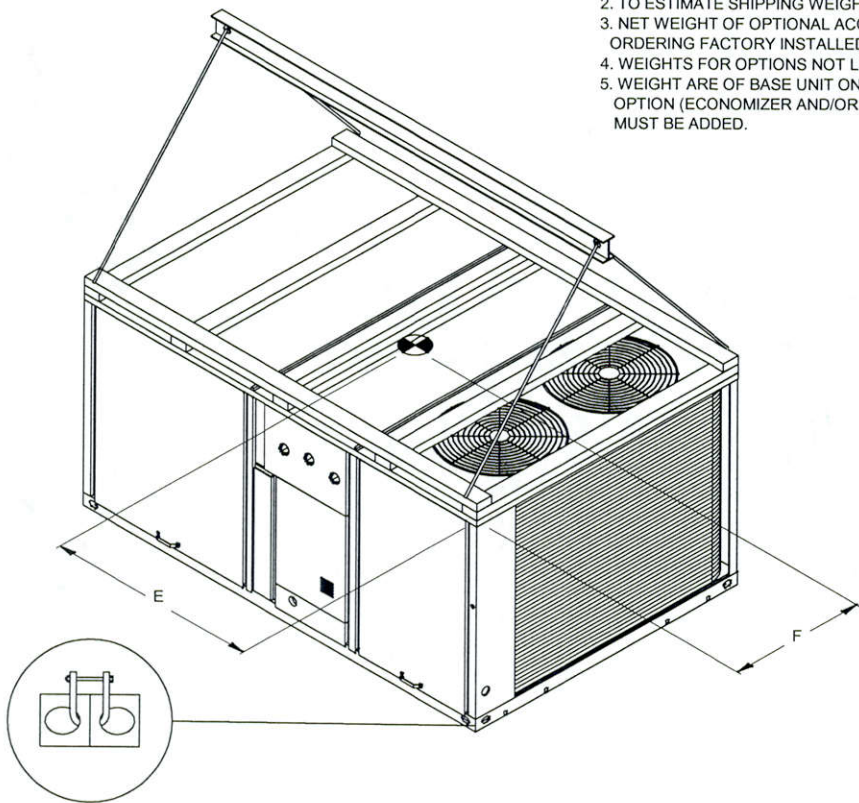
**Weight, Clearance & Rigging Diagram - Packaged Gas/Electric Rooftop Units**  
**Item: A1 Qty: 1 Tag(s): #471 RTU-9**

**INSTALLED OPTIONS NET WEIGHT DATA**

|                              |           |                |          |          |          |                   |     |
|------------------------------|-----------|----------------|----------|----------|----------|-------------------|-----|
| Accessory                    |           |                |          |          |          | Accessory         |     |
| Economizer                   |           |                |          |          |          | 80.0 lb           |     |
| Motorized Outside Air Damper |           |                |          |          |          |                   |     |
| Manual Outside air Damper    |           |                |          |          |          |                   |     |
| Oversized Motor              |           |                |          |          |          |                   |     |
| High Static Drive            |           |                |          |          |          |                   |     |
| Thru the Base Electrical     |           |                |          |          |          | 23.0 lb           |     |
| Unit Mounted Circuit Breaker |           |                |          |          |          |                   |     |
| Unit Mounted Disconnect      |           |                |          |          |          |                   |     |
| Power Exhaust                |           |                |          |          |          |                   |     |
| Hinged Doors                 |           |                |          |          |          | 27.0 lb           |     |
| Zone Sensor                  |           |                |          |          |          |                   |     |
| LPG Conversion Kit           |           |                |          |          |          |                   |     |
| Powered Convenience Outlet   |           |                |          |          |          |                   |     |
| Roof Curb                    |           |                |          |          |          |                   |     |
|                              |           |                |          |          |          |                   |     |
| BASE UNIT WEIGHTS            |           | CORNER WEIGHTS |          |          |          | CENTER OF GRAVITY |     |
| SHIPPING                     | NET       | (A)            | (B)      | (C)      | (D)      | E                 | F   |
| 2610.0 lb                    | 2126.0 lb | 676.0 lb       | 555.0 lb | 406.0 lb | 487.0 lb | 56"               | 36" |

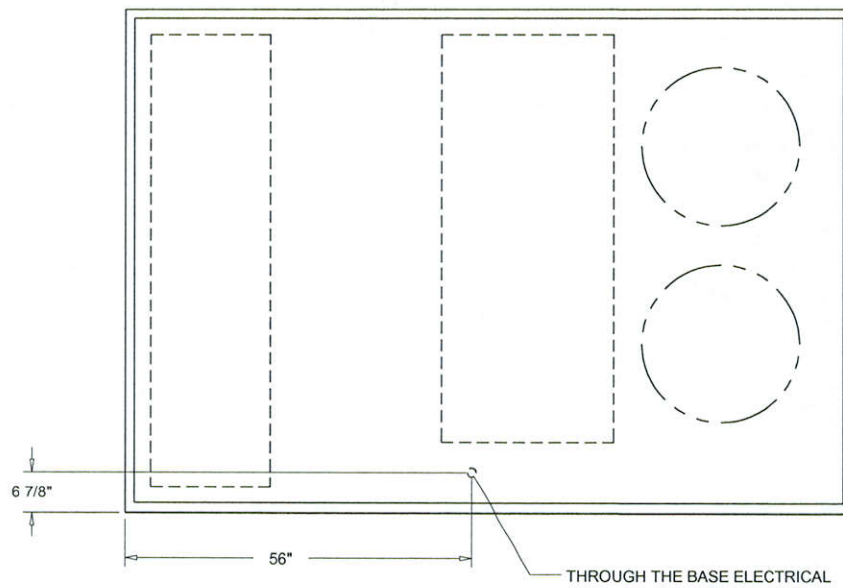


- NOTE:
1. CORNER WEIGHTS ARE GIVEN FOR INFORMATION ONLY.
  2. TO ESTIMATE SHIPPING WEIGHT OF OPTION/ACCESSORIES ADD 5 LBS TO NET WEIGHT.
  3. NET WEIGHT OF OPTIONAL ACCESSORIES SHOULD BE ADD TO UNIT WEIGHT WHEN ORDERING FACTORY INSTALLED ACCESSORIES.
  4. WEIGHTS FOR OPTIONS NOT LISTED ARE < 5 LBS.
  5. WEIGHT ARE OF BASE UNIT ONLY. FOR TOTAL WEIGHT, 10 DIGIT FACTORY INSTALLED OPTION (ECONOMIZER AND/OR OVERSIZED MOTOR OR FIOP/ACCESSORY WEIGHT MUST BE ADDED.

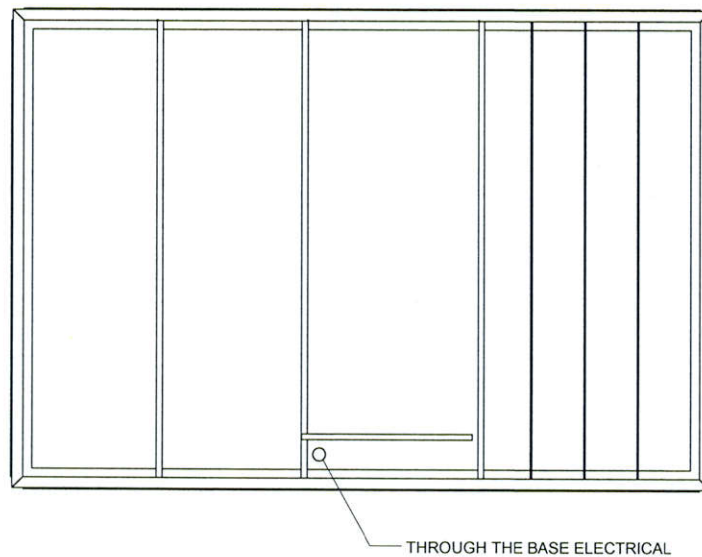


**RIGGING AND CENTER OF GRAVITY**

**Weight, Clearance & Rigging Diagram - Packaged Gas/Electric Rooftop Units**  
**Item: A1 Qty: 1 Tag(s): #471 RTU-9**

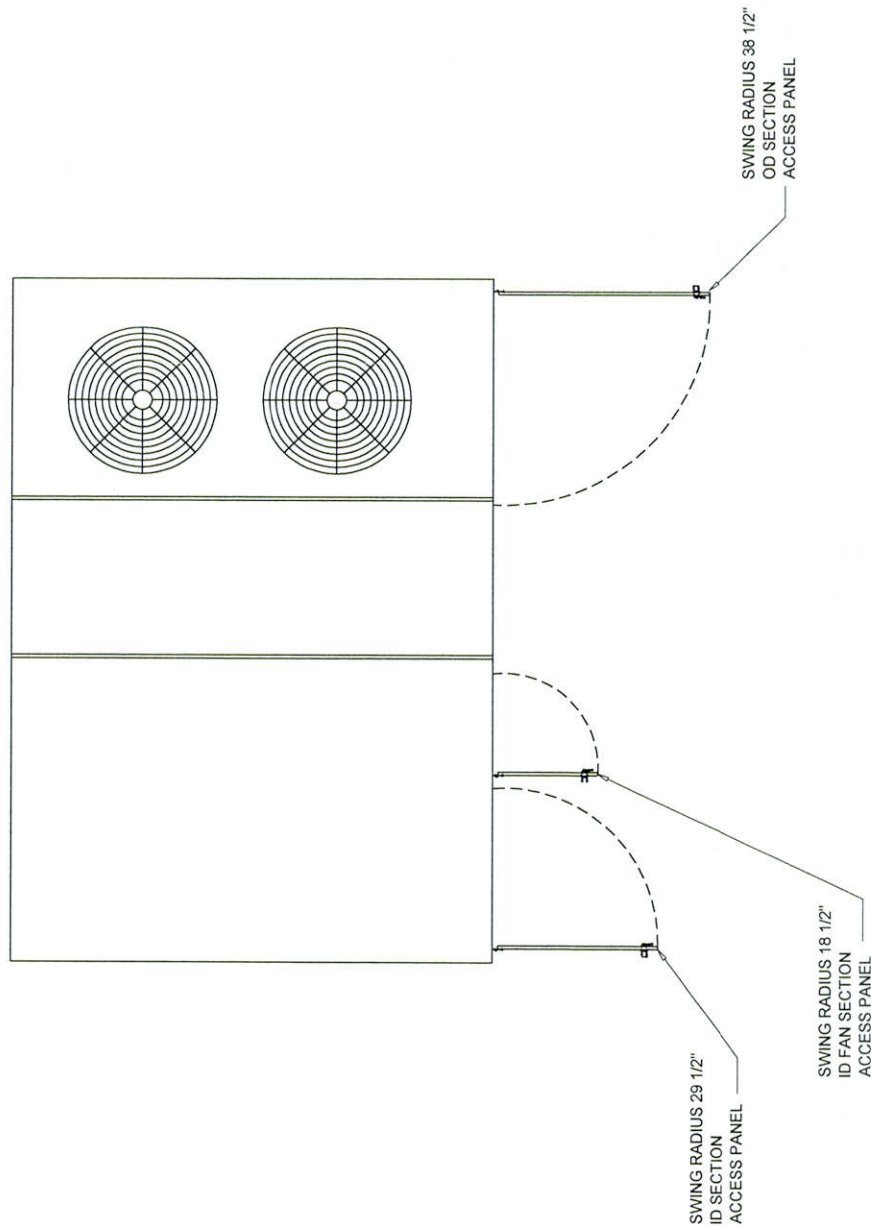


THROUGH THE BASE ELECTRICAL  
 ACCESSORY-PLAN VIEW



THROUGH THE BASE ELECTRICAL ROOF CURB  
 ACCESSORY-PLAN VIEW

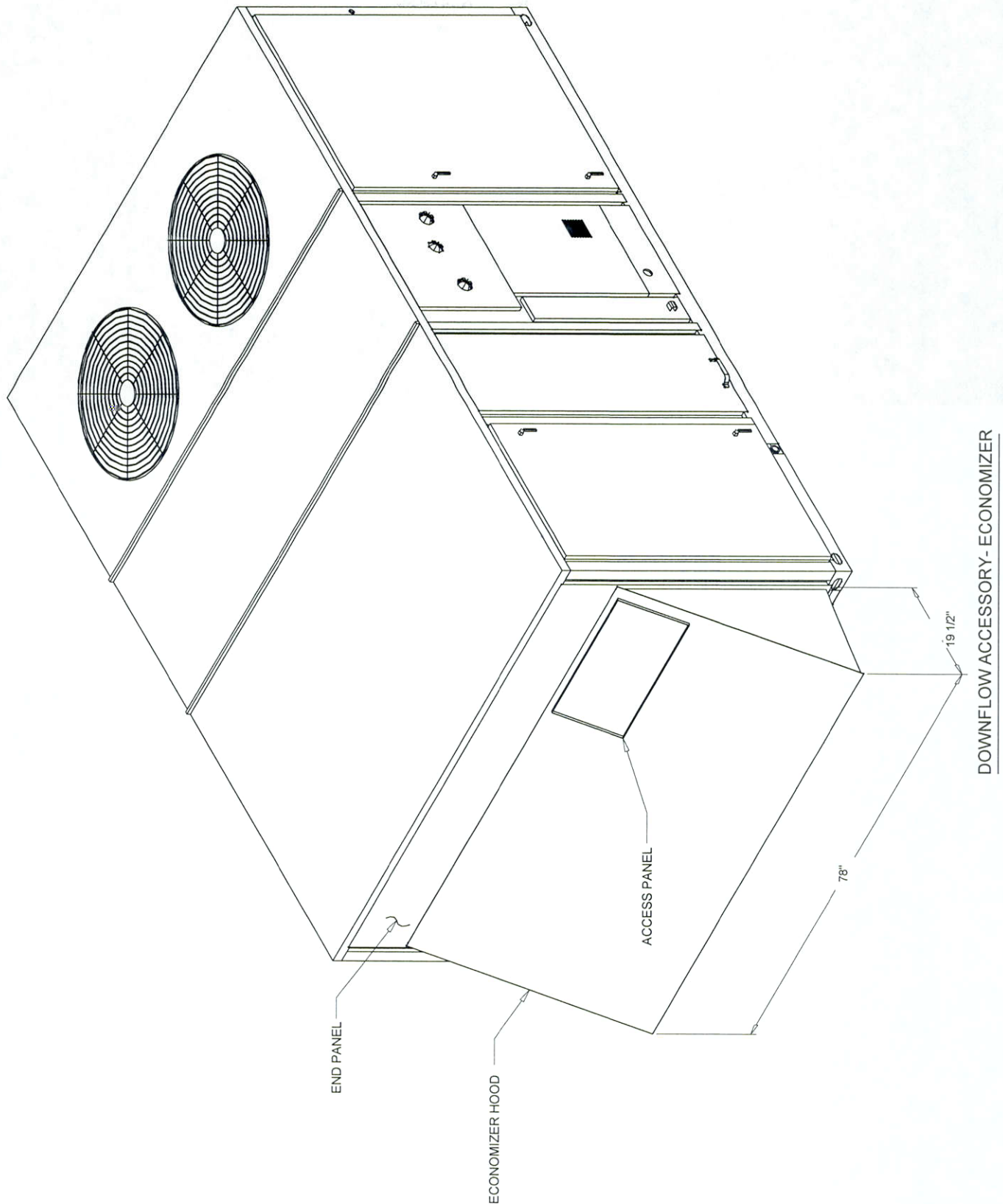
**Accessory - Packaged Gas/Electric Rooftop Units**  
Item: A1 Qty: 1 Tag(s): #471 RTU-9



**ACCESSORY-HINGGING ACCESS DOORS**

**Accessory - Packaged Gas/Electric Rooftop Units**

Item: A1 Qty: 1 Tag(s): #471 RTU-9



- DX cooling, gas heat
- High efficiency
- Convertible configuration
- Major design sequence
- 460/60/3
- Microprocessor controls 3ph
- Economizer Reference Enthalpy 0-100% with Barometric Relief
- Hinged panels/standard filters
- Standard condenser coil w/hail guard
- Through the base electrical 3ph
- Non-fused disconnect
- Retrofit Curb (Fld by AES)

10 Ton  
High gas heat 3ph  
Unpowered convenience outlet 3ph

10 Ton  
High gas heat 3ph

5 Ton  
Medium gas heat 3ph

- Installation
- Startup
- Smoke Detector
- Controls

**Mechanical Specifications - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop**

Item: B1 - B10 Qty: 10 Tag(s): #471 RTU-1, #471 RTU-2, #471 RTU-3, #471 RTU-4, #471 RTU-5, #471 RTU-6, #471 RTU-7, #471 RTU-8, #471 RTU-10, #471 RTU-11

**General**

The units shall be convertible airflow. The operating range shall be between 115°F and 0°F in cooling as standard from the factory for units with microprocessor controls. Operating range for units with electromechanical controls shall be between 115°F and 40°F. Cooling performance shall be rated in accordance with ARI testing procedures. All units shall be factory assembled, internally wired, fully charged with R-410A, and 100 percent run tested to check cooling operation, fan and blower rotation, and control sequence before leaving the factory. Wiring internal to the unit shall be colored and numbered for simplified identification. Units shall be cULus listed and labeled, classified in accordance for Central Cooling Air Conditioners.

**Casing**

Unit casing shall be constructed of zinc coated, heavy gauge, galvanized steel. Exterior surfaces shall be cleaned, phosphatized, and finished with a weather-resistant baked enamel finish. Unit's surface shall be tested 672 hours in a salt spray test in compliance with ASTM B117. Cabinet construction shall allow for all maintenance on one side of the unit. Service panels shall have lifting handles and be removed and reinstalled by removing two fasteners while providing a water and air tight seal. All exposed vertical panels and top covers in the indoor air section shall be insulated with a cleanable foil-faced, fire-retardant permanent, odorless glass fiber material. The base of the unit shall be insulated with 1/8 inch, foil-faced, closed-cell insulation. All insulation edges shall be either captured or sealed. The unit's base pan shall have no penetrations within the perimeter of the curb other than the raised 1 1/8 inch high downflow supply/return openings to provide an added water integrity precaution, if the condensate drain backs up. The base of the unit shall have provisions for forklift and crane lifting, with forklift capabilities on three sides of the unit.

**Unit Top**

The top cover shall be one piece construction or, where seams exist, it shall be double-hemmed and gasket-sealed. The ribbed top adds extra strength and enhances water removal from unit top.

**Compressors**

All units shall have direct-drive, hermetic, scroll type compressors with centrifugal type oil pumps. Motor shall be suction gas-cooled and shall have a voltage utilization range of plus or minus 10 percent of unit nameplate voltage. Internal overloads shall be provided with the scroll compressors.

Dual compressors are outstanding for humidity control, light load cooling conditions and system back-up applications. Dual compressors are available on 7½-10 ton models and allow for efficient cooling utilizing 3-stages of compressor operation for all high efficiency models.

**Notes:**

Crankcase heaters are optional on YSC (036, 048, 060, 072, 090, 102, 120); standard on YHC (036, 048, 060, 072, 092, 102, 120).

**Indoor Fan**

The following units shall be equipped with a direct drive plenum fan design (T/YSC120E, T/YHC092, 102, 120E). Plenum fan design shall include a backward-curved fan wheel along with an external rotor direct drive variable speed indoor motor. All plenum fan designs will have a variable speed adjustment potentiometer located in the control box. 3-5 ton units (standard efficiency 3-phase or high efficiency 3-phase with optional motor) are belt driven, FC centrifugal fans with adjustable motor sheaves. 3-5 ton units (1-phase or high efficiency 3-phase) have multispeed, direct drive motors. All 6-8½ ton units (standard efficiency) shall have belt drive motors with an adjustable idler-arm assembly for quick-adjustment to fan belts and motor sheaves. All motors shall be thermally protected. All 10 tons and 7½-8½ (high efficiency) have variable speed direct drive motors. All indoor fan motors meet the U.S. Energy Policy Act of 1992 (EPACT).

**Outdoor Fans**

The outdoor fan shall be direct-drive, statically and dynamically balanced, draw-through in the vertical discharge position. The fan motor shall be permanently lubricated and shall have built-in thermal overload protection.

**Evaporator and Condenser Coils**

Internally finned, 5/16" copper tubes mechanically bonded to a configured aluminum plate fin shall be standard. The microchannel type condenser coil is standard for the T/YSC 10 ton models and 7½ ton high efficiency models. The microchannel type condenser coil is not offered on the 7½ ton dehumidification model. Due to flat streamlined tubes with small ports, and metallurgical tube-to-fin bond, microchannel coil has better heat transfer performance. Microchannel condenser coil can reduce system refrigerant charge by up to 50% because of smaller internal volume, which leads to

better compressor reliability. Compact all-aluminum microchannel coils also help to reduce the unit weight. All-aluminum construction improves re-cyclability. Galvanic corrosion is also minimized due to all aluminum construction. Strong aluminum brazed structure provides better fin protection. In addition, flat streamlined tubes also make microchannel coils more dust resistant and easier to clean. Coils shall be leak tested at the factory to ensure the pressure integrity. The evaporator coil and condenser coil shall be leak tested to 600 psig. The assembled unit shall be leak tested to 465 psig. The condenser coil shall have a patent pending 1+1+1 hybrid coil designed with slight gaps for ease of cleaning. A removable, reversible, double-sloped condensate drain pan with through the base condensate drain is standard.

### **Tool-less Hail Guards**

Tool-less, hail protection quality coil guards are available for condenser coil protection.

### **Controls**

Unit shall be completely factory-wired with necessary controls and contactor pressure lugs or terminal block for power wiring. Unit shall provide an external location for mounting a fused disconnect device. A choice of microprocessor or electromechanical controls shall be available. Microprocessor controls provide for all 24V control functions. The resident control algorithms shall make all heating, cooling, and/or ventilating decisions in response to electronic signals from sensors measuring indoor and outdoor temperatures. The control algorithm maintains accurate temperature control, minimizes drift from set point, and provides better building comfort. A centralized microprocessor shall provide anti-short cycle timing and time delay between compressors to provide a higher level of machine protection. 24-volt electromechanical control circuit shall include control transformer and contactor

### **High Pressure Control**

All units include High Pressure Cutout as standard.

### **Phase monitor**

Phase monitor shall provide 100% protection for motors and compressors against problems caused by phase loss, phase imbalance, and phase reversal. Phase monitor is equipped with an LED that provides an ON or FAULT indicator. There are no field adjustments. The module will automatically reset from a fault condition.

### **Refrigerant Circuits**

Each refrigerant circuit offer thermal expansion valve as standard. Service pressure ports, and refrigerant line filter driers are factory-installed as standard. An area shall be provided for replacement suction line driers.

### **Gas Heating Section**

The heating section shall have a progressive tubular heat exchanger design using stainless steel burners and corrosion resistant steel throughout. An induced draft combustion blower shall be used to pull the combustion products through the firing tubes. The heater shall use a direct spark ignition (DSI) system. On initial call for heat, the combustion blower shall purge the heat exchanger for 20 seconds before ignition. After three unsuccessful ignition attempts, the entire heating system shall be locked out until manually reset at the thermostat/zone sensor. Units shall be suitable for use with natural gas or propane (field-installed kit) and also comply with the California requirement for low NOx emissions (Gas/Electric Only).

### **Hinged Access Doors**

Sheet metal hinges are available on the Filter/Evaporator, Supply Fan/Heat, and the Compressor/Control Access Doors.

### **Powered or Unpowered Convenience Outlet**

This is a GFCI, 120v/15amp, 2 plug, convenience outlet, either powered or unpowered. When the convenience outlet is powered, a service receptacle disconnect will be available. The convenience outlet is powered from the line side of the disconnect or circuit breaker, and therefore will not be affected by the position of the disconnect or circuit breaker. This option can only be ordered when the Through the Base Electrical with either the Disconnect Switch or Circuit Breaker option is ordered.

### **Plenum Fan**

The following unit shall be equipped with a direct drive plenum fan design (all 10 tons and 7.5-8.5 ton high efficiency units). Plenum fan design shall include a backward-curved fan wheel along with an external rotor direct drive variable speed indoor motor. All plenum fan designs will have a variable speed adjustment potentiometer located in the control box.

### **Economizer**

This accessory shall be available with or without barometric relief. The assembly includes fully modulating 0-100 percent motor and dampers, minimum position setting, preset linkage, wiring harness with plug, spring return actuator

and fixed dry bulb control. The barometric relief shall provide a pressure operated damper that shall be gravity closing and shall prohibit entrance of outside air during the equipment off cycle. Optional solid state or differential enthalpy control shall be available for either factory or field installation. The economizer arrives in the shipping position and shall be moved to the operating position by the installing contractor.

**Through the Base Electrical Access**

An electrical service entrance shall be provided allowing electrical access for both control and main power connections inside the curb and through the base of the unit. Option will allow for field installation of liquid-tight conduit and an external field-installed disconnect switch.

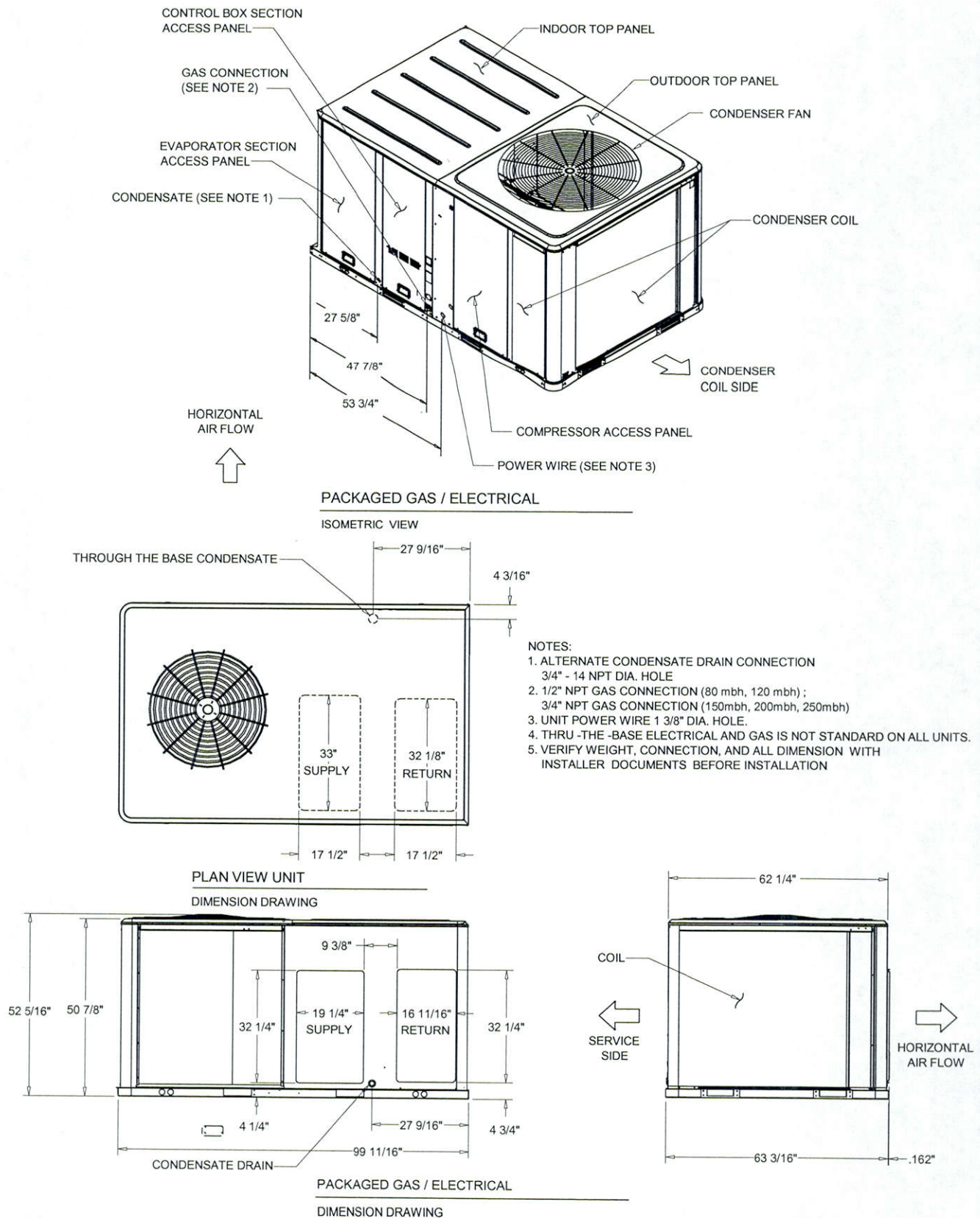
**Through the Base Electrical with Disconnect Switch**

This 3-pole, molded case, disconnect switch with provisions for through the base electrical connections are available. The disconnect switch will be installed in the unit in a water tight enclosure with access through a swinging door. Wiring will be provided from the switch to the unit high voltage terminal block. The switch will be UL/CSA agency recognized.

**Note:** The disconnect switch will be sized per NEC and UL guidelines but will not be used in place of unit overcurrent protection.

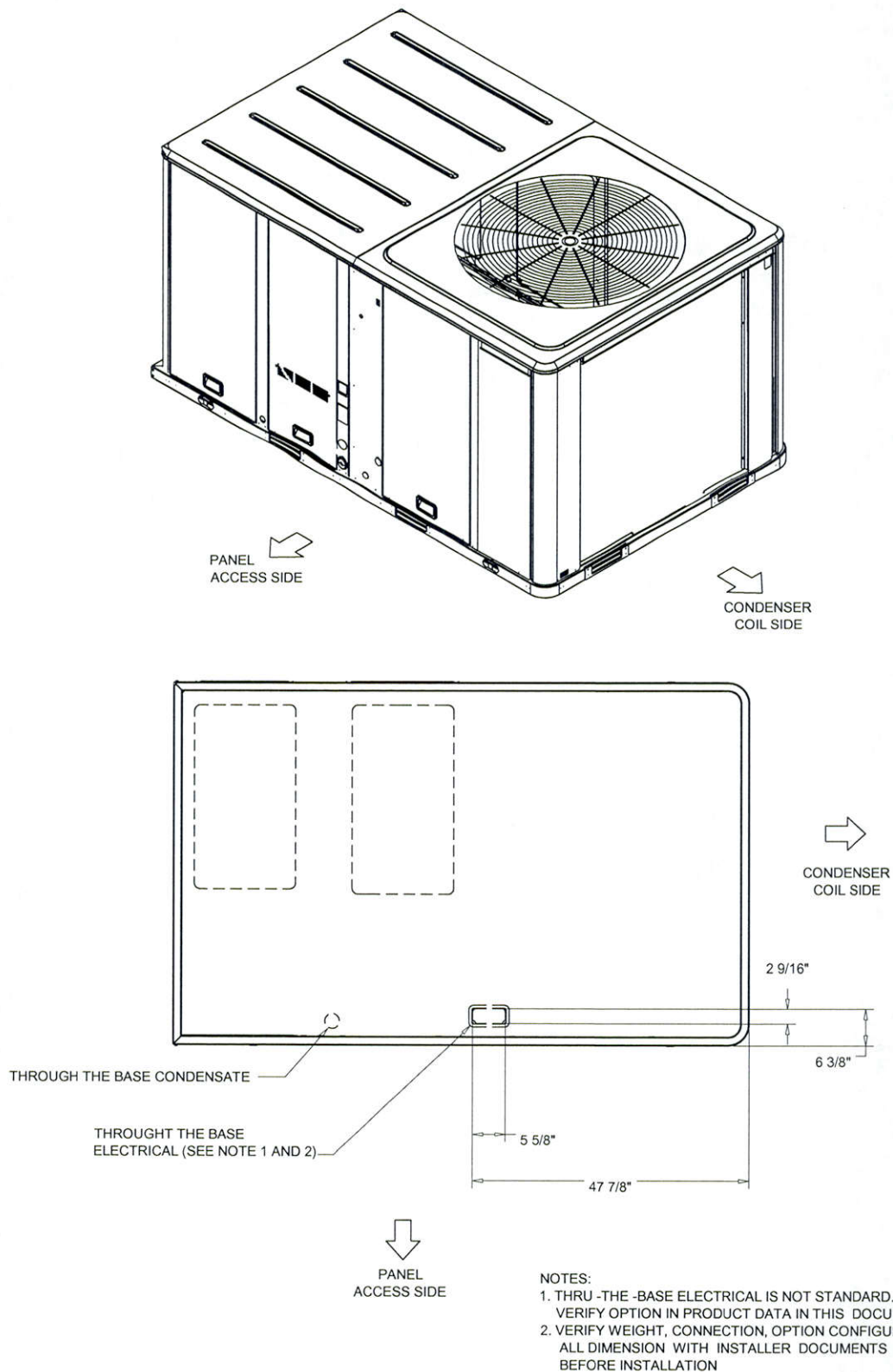
**Unit Dimensions - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop**

Item: B1 - B8 Qty: 8 Tag(s): #471 RTU-1, #471 RTU-2, #471 RTU-3, #471 RTU-4, #471 RTU-5, #471 RTU-6, #471 RTU-7, #471 RTU-8



**Unit Dimensions - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop**

Item: B1 - B8 Qty: 8 Tag(s): #471 RTU-1, #471 RTU-2, #471 RTU-3, #471 RTU-4, #471 RTU-5, #471 RTU-6, #471 RTU-7, #471 RTU-8



THRU THE BASE ELECTRICAL  
PLAN / ISO VIEW DRAWING

**Unit Dimensions - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop****Item: B1 - B8 Qty: 8 Tag(s): #471 RTU-1, #471 RTU-2, #471 RTU-3, #471 RTU-4, #471 RTU-5, #471 RTU-6, #471 RTU-7, #471 RTU-8****ELECTRICAL / GENERAL DATA**

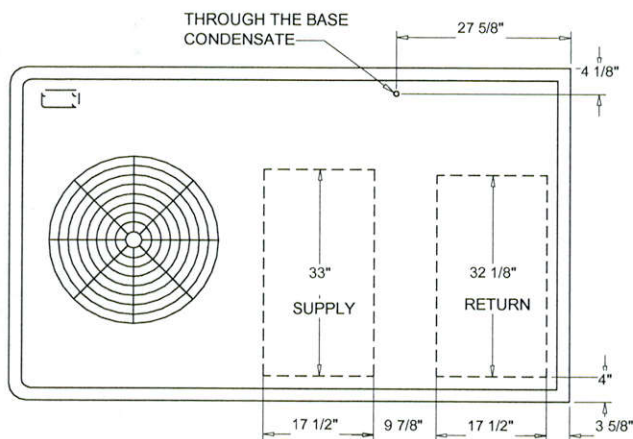
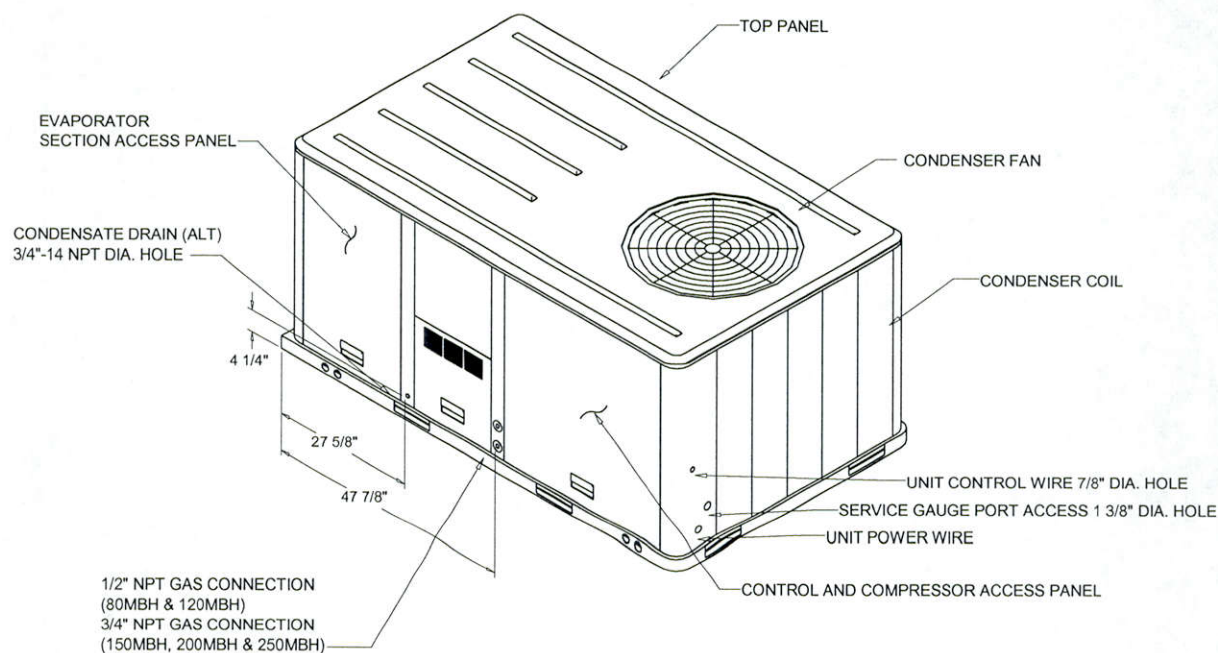
|                                                                                                                                                                                                                                                                                                                                  |  |  |                                                                                                                                                                                                                                                                                                                            |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| <b>GENERAL</b> <sup>(2)(4)(6)</sup><br>Model: YHC120E Oversized Motor<br>Unit Operating Voltage: 414-506 MCA: N/A<br>Unit Primary Voltage: 460 MFS: N/A<br>Unit Secondary Voltage: — MCB: N/A<br>Unit Hertz: 60<br>Unit Phase: 3<br>EER 12.5<br>Standard Motor<br>MCA: 24.9 MCA: N/A<br>MFS: 30.0 MFS: N/A<br>MCB: 30.0 MCB: N/A |  |  | <b>HEATING PERFORMANCE</b><br><b>HEATING - GENERAL DATA</b><br>Heating Model: High<br>Heating Input (BTU): 250,000/175,000<br>Heating Output (BTU): 200,000/140,000<br>No. Burners: 5<br>No. Stages: 2<br>Gas Inlet Pressure<br>Natural Gas (Min/Max): 4.5/14<br>LP (Min/Max): 10.0/14.0<br>Gas Pipe Connection Size: 3/4" |  |  |
| <b>INDOOR MOTOR</b><br>Standard Motor<br>Number: 1<br>Horsepower: 3.6<br>Motor Speed (RPM): —<br>Phase: 3<br>Full Load Amps: 4.3<br>Locked Rotor Amps: —                                                                                                                                                                         |  |  | Oversized Motor<br>Number: N/A<br>Horsepower: N/A<br>Motor Speed (RPM): N/A<br>Phase: N/A<br>Full Load Amps: N/A<br>Locked Rotor Amps: N/A                                                                                                                                                                                 |  |  |
| Field Installed Oversized Motor<br>Number: N/A<br>Horsepower: N/A<br>Motor Speed (RPM): N/A<br>Phase: N/A<br>Full Load Amps: N/A<br>Locked Rotor Amps: N/A                                                                                                                                                                       |  |  | <b>COMPRESSOR</b> Circuit 1/2<br>Number: 2<br>Horsepower: 5.1/3.0<br>Phase: 3<br>Rated Load Amps: 8.2/6.0<br>Locked Rotor Amps: 66.0/44.0                                                                                                                                                                                  |  |  |
| <b>OUTDOOR MOTOR</b><br>Number: 1<br>Horsepower: 0.75<br>Motor Speed (RPM): 1100<br>Phase: 3<br>Full Load Amps: 1.5<br>Locked Rotor Amps: 4.8                                                                                                                                                                                    |  |  | <b>POWER EXHAUST ACCESSORY</b> <sup>(3)</sup><br>(Field Installed Power Exhaust)<br>Phase: N/A<br>Horsepower: N/A<br>Motor Speed (RPM): N/A<br>Full Load Amps: N/A<br>Locked Rotor Amps: N/A                                                                                                                               |  |  |
| <b>FILTERS</b><br>Type: Throwaway<br>Furnished: Yes<br>Number: 3 / 2<br>Recommended: 20"x25"x2"<br>20"x30"x2"                                                                                                                                                                                                                    |  |  | <b>REFRIGERANT</b> <sup>(2)</sup><br>Type: R-410<br>Factory Charge<br>Circuit #1: 12.8 lb<br>Circuit #2: 11.8 lb                                                                                                                                                                                                           |  |  |

**NOTES:**

1. Maximum (HACR) Circuit Breaker sizing is for installations in the United States only.
2. Refrigerant charge is an approximate value. For a more precise value, see unit nameplate and service instructions.
3. Value does not include Power Exhaust Accessory.
4. Value includes oversized motor.
5. Value does not include Power Exhaust Accessory.
6. EER is rated at AHRI conditions and in accordance with DOE test procedures.

# Unit Dimensions - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop

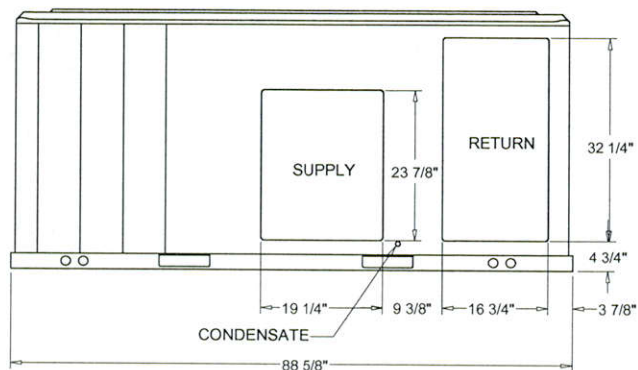
Item: B9, B10 Qty: 2 Tag(s): #471 RTU-10, #471 RTU-11



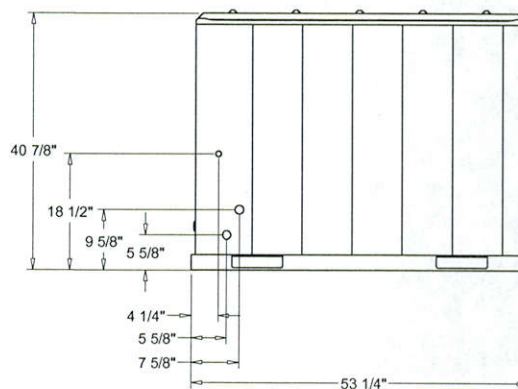
## NOTES:

1. THRU -THE -BASE ELECTRICAL AND GAS IS NOT STANDARD ON ALL UNITS.
2. VERIFY WEIGHT, CONNECTION, AND ALL DIMENSION WITH INSTALLER DOCUMENTS BEFORE INSTALLATION

PLAN VIEW UNIT  
DIMENSION DRAWING

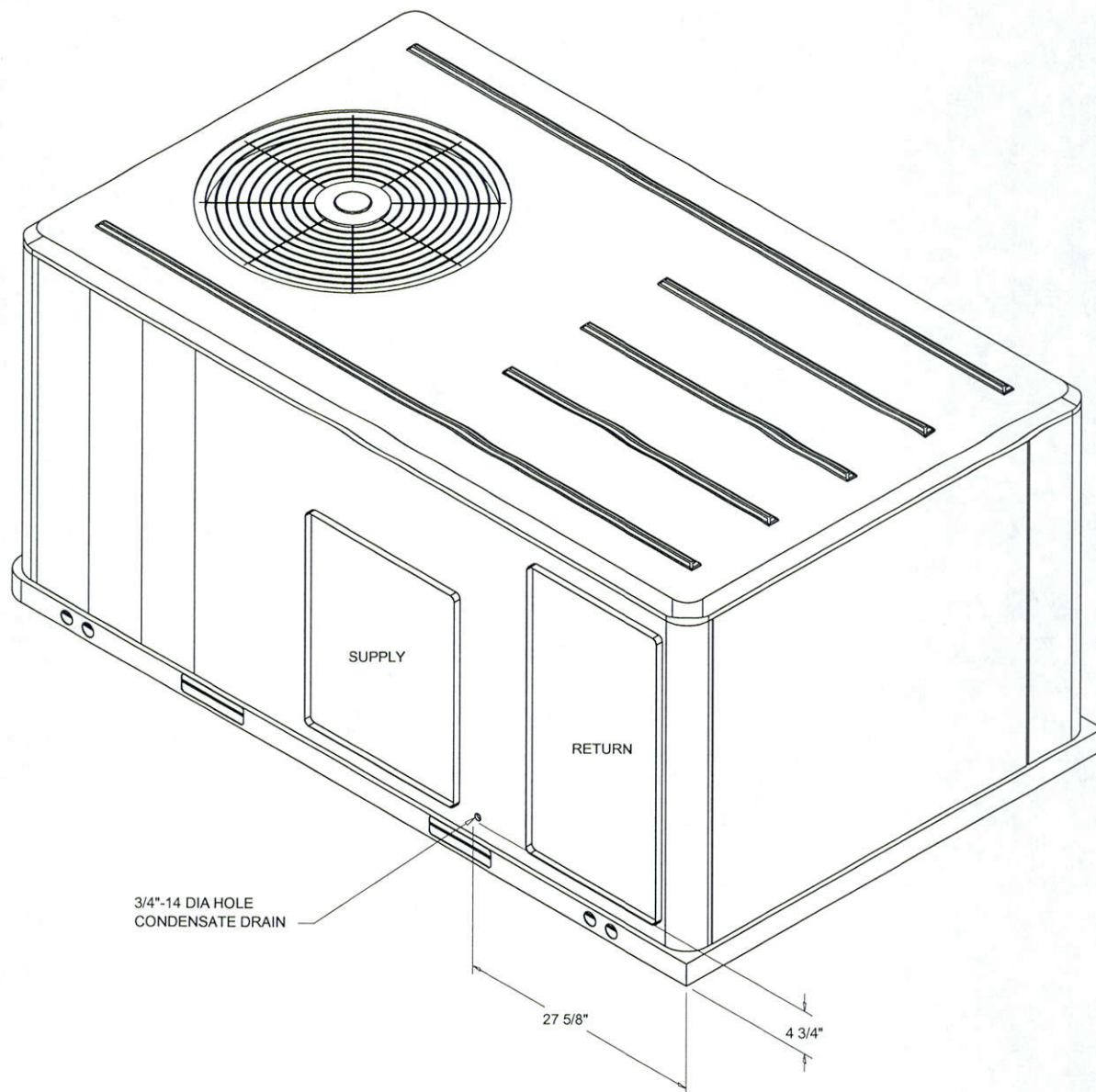


PACKAGED GAS / ELECTRICAL  
DIMENSION DRAWING



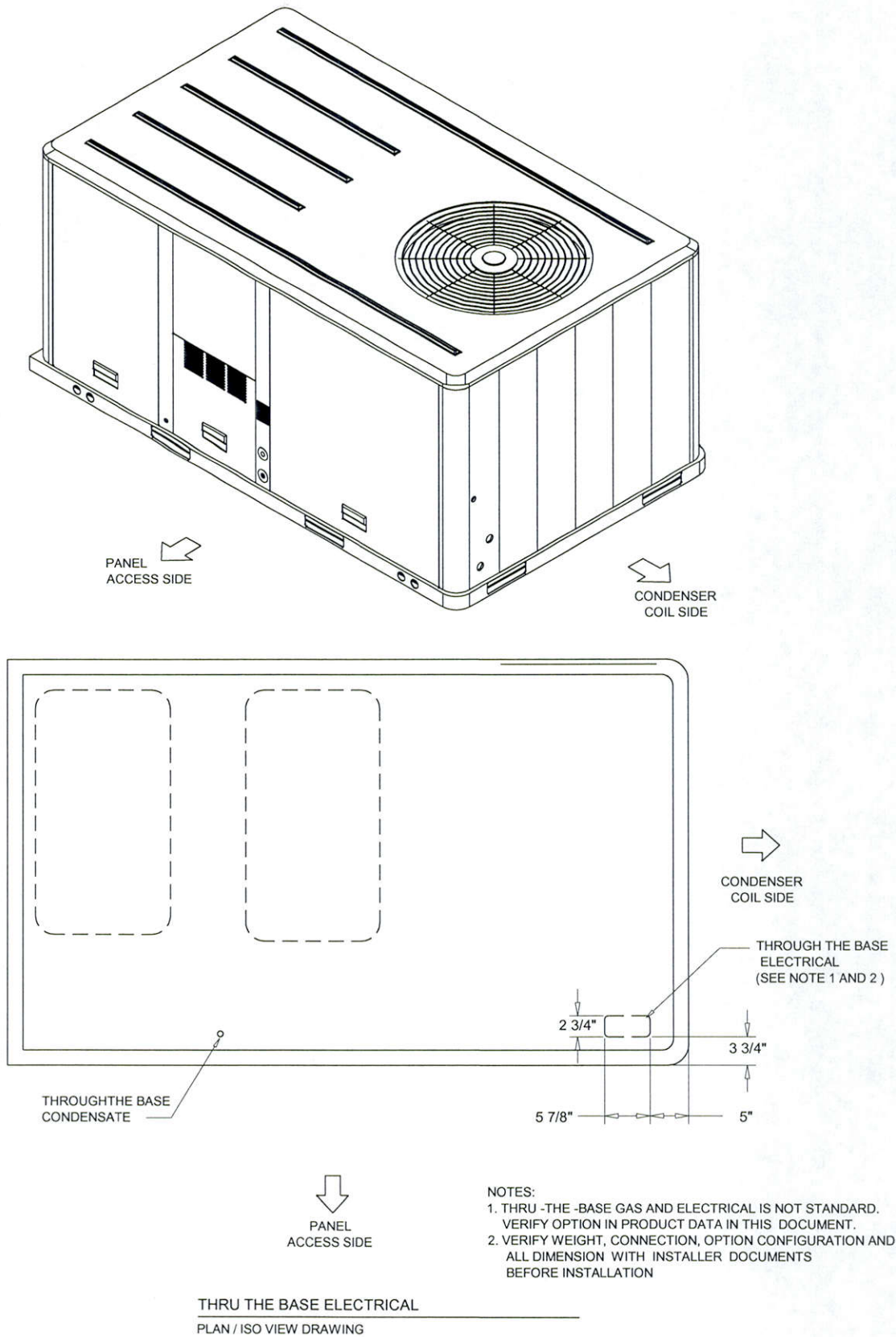
HORIZONTAL  
AIR FLOW

Unit Dimensions - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop  
Item: B9, B10 Qty: 2 Tag(s): #471 RTU-10, #471 RTU-11



ISOMETRIC-PACKAGED COOLING

**Unit Dimensions - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop**  
**Item: B9, B10 Qty: 2 Tag(s): #471 RTU-10, #471 RTU-11**



**Unit Dimensions - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop**  
**Item: B9, B10 Qty: 2 Tag(s): #471 RTU-10, #471 RTU-11**
**ELECTRICAL / GENERAL DATA**

|                                                                                                                                                                                                                                                                                                                          |  |  |                                                                                                                                                                                                                                                                                                              |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| <b>GENERAL</b> (2)(4)(6)<br>Model: YHC060F Oversized Motor<br>Unit Operating Voltage: 414-506 F MCA: N/A<br>Unit Primary Voltage: 460 MFS: N/A<br>Unit Secondary Voltage: — MCB: N/A<br>Unit Hertz: 60<br>Unit Phase: 3<br>SEER 15.0<br>Standard Motor<br>MCA: 13.8 MCA: N/A<br>MFS: 20.0 MFS: N/A<br>MCB: 20.0 MCB: N/A |  |  | <b>HEATING PERFORMANCE</b><br><b>HEATING - GENERAL DATA</b><br>Heating Model: Medium<br>Heating Input (BTU): 80,000<br>Heating Output (BTU): 64,000<br>No. Burners: 2<br>No. Stages: 1<br>Gas Inlet Pressure<br>Natural Gas (Min/Max): 4.5/14.5<br>LP (Min/Max): 11.0/14.0<br>Gas Pipe Connection Size: 1/2" |  |  |
| <b>INDOOR MOTOR</b><br>Standard Motor<br>Number: 1<br>Horsepower: 1.0<br>Motor Speed (RPM): —<br>Phase: 1<br>Full Load Amps: 4.0<br>Locked Rotor Amps: —                                                                                                                                                                 |  |  | Oversized Motor<br>Number: N/A<br>Horsepower: N/A<br>Motor Speed (RPM): N/A<br>Phase: N/A<br>Full Load Amps: N/A<br>Locked Rotor Amps: N/A                                                                                                                                                                   |  |  |
| Field Installed Oversized Motor<br>Number: N/A<br>Horsepower: N/A<br>Motor Speed (RPM): N/A<br>Phase: N/A<br>Full Load Amps: N/A<br>Locked Rotor Amps: N/A                                                                                                                                                               |  |  | <b>COMPRESSOR</b> Circuit 1/2<br>Number: 1<br>Horsepower: 4.3<br>Phase: 3<br>Rated Load Amps: 7.1<br>Locked Rotor Amps: 52.0                                                                                                                                                                                 |  |  |
| <b>OUTDOOR MOTOR</b><br>Number: 1<br>Horsepower: 0.40<br>Motor Speed (RPM): 1075<br>Phase: 1<br>Full Load Amps: 1.0<br>Locked Rotor Amps: 2.8                                                                                                                                                                            |  |  | <b>POWER EXHAUST ACCESSORY</b> (3)<br>(Field Installed Power Exhaust)<br>Phase: N/A<br>Horsepower: N/A<br>Motor Speed (RPM): N/A<br>Full Load Amps: N/A<br>Locked Rotor Amps: N/A                                                                                                                            |  |  |
| <b>FILTERS</b><br>Type: Throwaway<br>Furnished: Yes<br>Number: 4<br>Recommended: 16"x25"x2"                                                                                                                                                                                                                              |  |  | <b>REFRIGERANT</b> (2)<br>Type: R-410<br>Factory Charge<br>Circuit #1: 6.1 lb<br>Circuit #2: N/A                                                                                                                                                                                                             |  |  |

**NOTES:**

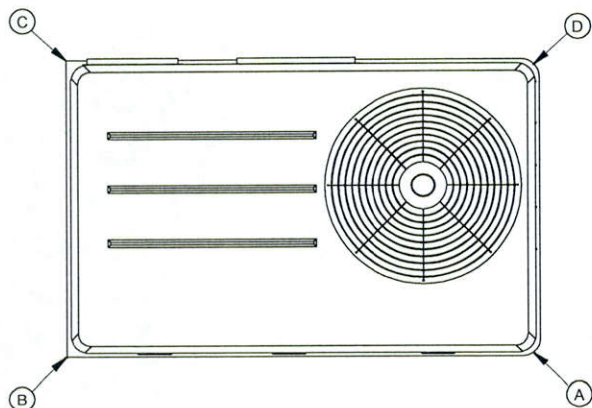
1. Maximum (HACR) Circuit Breaker sizing is for installations in the United States only.
2. Refrigerant charge is an approximate value. For a more precise value, see unit nameplate and service instructions.
3. Value does not include Power Exhaust Accessory.
4. Value includes oversized motor.
5. Value does not include Power Exhaust Accessory.
6. EER is rated at AHRI conditions and in accordance with DOE test procedures.

**Weight, Clearance & Rigging Diagram - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop**

Item: B1 - B8 Qty: 8 Tag(s): #471 RTU-1, #471 RTU-2, #471 RTU-3, #471 RTU-4, #471 RTU-5, #471 RTU-6, #471 RTU-7, #471 RTU-8

**INSTALLED ACCESSORIES NET WEIGHT DATA**

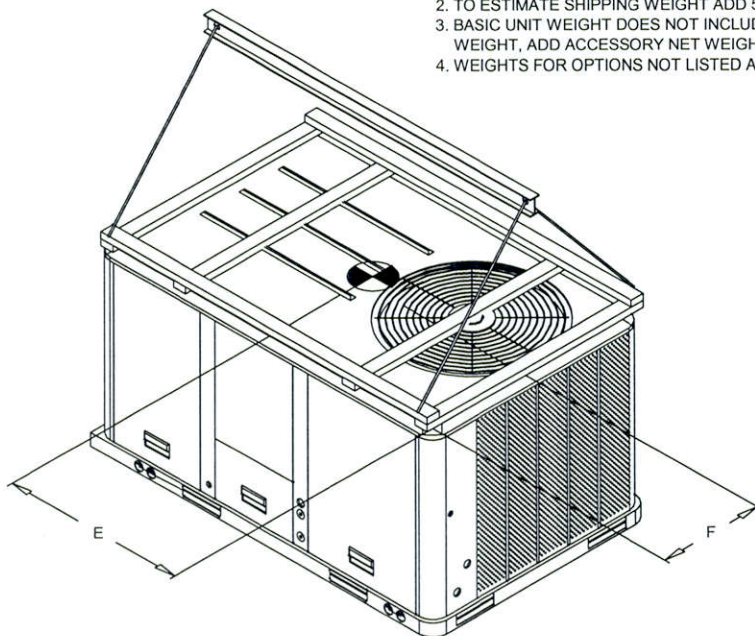
|                                          |           |                |          |     |                    |            |           |
|------------------------------------------|-----------|----------------|----------|-----|--------------------|------------|-----------|
| ACCESSORY                                |           |                |          |     | WEIGHTS            |            |           |
| ECONOMIZER                               |           |                |          |     | 36.0 lb            |            |           |
| MOTORIZED OUTSIDE AIR DAMPER             |           |                |          |     |                    |            |           |
| MANUAL OUTSIDE AIR DAMPER                |           |                |          |     |                    |            |           |
| BAROMETRIC RELIEF                        |           |                |          |     |                    |            |           |
| OVERSIZED MOTOR                          |           |                |          |     |                    |            |           |
| BELT DRIVE MOTOR                         |           |                |          |     |                    |            |           |
| POWER EXHAUST                            |           |                |          |     |                    |            |           |
| THROUGHT THE BASE ELECTRICAL/GAS (FIOPS) |           |                |          |     | 13.0 lb            |            |           |
| UNIT MOUNTED CIRCUIT BREAKER (FIOPS)     |           |                |          |     |                    |            |           |
| UNIT MOUNTED DISCONNECT (FIOPS)          |           |                |          |     | 5.0 lb             |            |           |
| POWERED CONVENIENCE OUTLET (FIOPS)       |           |                |          |     |                    |            |           |
| HINGED DOORS (FIOPS)                     |           |                |          |     | 12.0 lb            |            |           |
| HAIL GUARD                               |           |                |          |     | 30.0 lb            |            |           |
| SMOKE DETECTOR, SUPPLY / RETURN          |           |                |          |     |                    |            |           |
| NOVAR CONTROL                            |           |                |          |     |                    |            |           |
| STAINLESS STEEL HEAT EXCHANGER           |           |                |          |     |                    |            |           |
| REHEAT                                   |           |                |          |     |                    |            |           |
| ROOF CURB                                |           |                |          |     |                    |            |           |
|                                          |           |                |          |     |                    |            |           |
| BASIC UNIT WEIGHTS                       |           | CORNER WEIGHTS |          |     | CENTER OF GRAVITIY |            |           |
| SHIPPING                                 | NET       | (A)            | 386.0 lb | (C) | 299.0 lb           | (E) LENGHT | (F) WIDTH |
| 1563.0 lb                                | 1369.0 lb | (B)            | 379.0 lb | (D) | 305.0 lb           | 49"        | 28"       |



PACKAGED GAS / ELECTRICAL  
CORNER WEIGHT

**NOTE:**

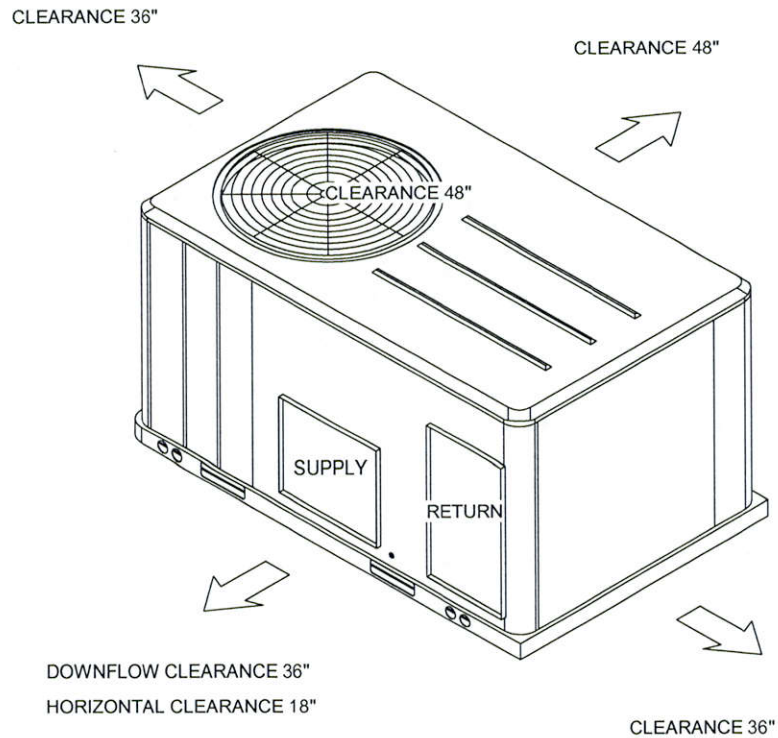
1. CORNER WEIGHTS ARE GIVEN FOR INFORMATION ONLY.
2. TO ESTIMATE SHIPPING WEIGHT ADD 5 LBS TO NET WEIGHT.
3. BASIC UNIT WEIGHT DOES NOT INCLUDE ACCESSORY WEIGHT. TO OBTAIN TOTAL WEIGHT, ADD ACCESSORY NET WEIGHT TO BASIC UNIT WEIGHT.
4. WEIGHTS FOR OPTIONS NOT LISTED ARE <5 LBS.



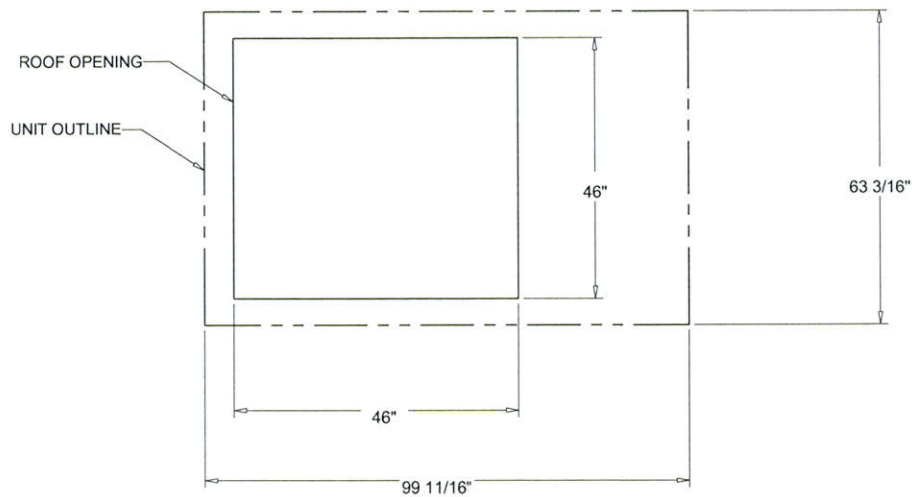
PACKAGED GAS / ELECTRICAL  
RIGGING AND CENTER OF GRAVITY

**Weight, Clearance & Rigging Diagram - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop**  
**Item: B1 - B8 Qty: 8 Tag(s): #471 RTU-1, #471 RTU-2, #471 RTU-3, #471 RTU-4, #471 RTU-5, #471 RTU-6, #471 RTU-7, #471 RTU-8**

CLEARANCE FROM TOP OF UNIT 72"



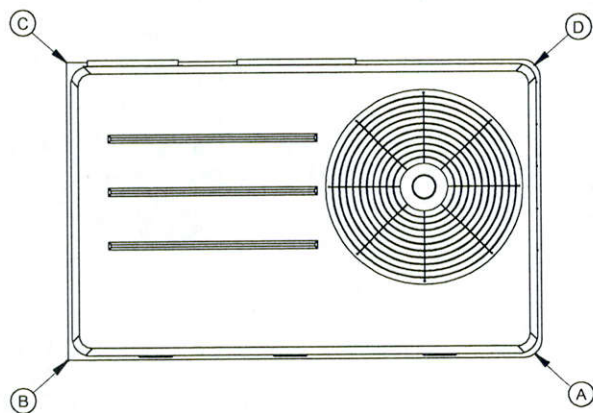
PACKAGED GAS / ELECTRIC  
 CLEARANCE



PACKAGED GAS / ELECTRIC  
 DOWNFLOW TYPICAL ROOF OPENING

# Weight, Clearance & Rigging Diagram - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop Item: B9, B10 Qty: 2 Tag(s): #471 RTU-10, #471 RTU-11

## INSTALLED ACCESSORIES NET WEIGHT DATA

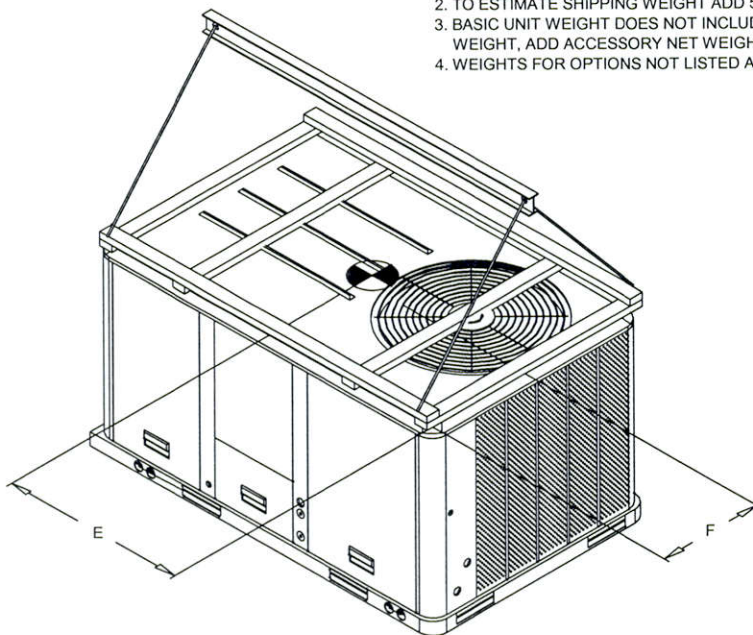


PACKAGED GAS / ELECTRICAL  
CORNER WEIGHT

|                                          |          |                |          |                   |          |            |           |
|------------------------------------------|----------|----------------|----------|-------------------|----------|------------|-----------|
| ACCESSORY                                |          | WEIGHTS        |          |                   |          |            |           |
| ECONOMIZER                               |          | 36.0 lb        |          |                   |          |            |           |
| MOTORIZED OUTSIDE AIR DAMPER             |          |                |          |                   |          |            |           |
| MANUAL OUTSIDE AIR DAMPER                |          |                |          |                   |          |            |           |
| BAROMETRIC RELIEF                        |          |                |          |                   |          |            |           |
| OVERSIZED MOTOR                          |          |                |          |                   |          |            |           |
| BELT DRIVE MOTOR                         |          |                |          |                   |          |            |           |
| POWER EXHAUST                            |          |                |          |                   |          |            |           |
| THROUGHT THE BASE ELECTRICAL/GAS (FIOPS) |          | 13.0 lb        |          |                   |          |            |           |
| UNIT MOUNTED CIRCUIT BREAKER (FIOPS)     |          |                |          |                   |          |            |           |
| UNIT MOUNTED DISCONNECT (FIOPS)          |          | 5.0 lb         |          |                   |          |            |           |
| POWERED CONVENIENCE OUTLET (FIOPS)       |          |                |          |                   |          |            |           |
| HINGED DOORS (FIOPS)                     |          | 12.0 lb        |          |                   |          |            |           |
| HAIL GUARD                               |          | 20.0 lb        |          |                   |          |            |           |
| SMOKE DETECTOR, SUPPLY / RETURN          |          |                |          |                   |          |            |           |
| NOVAR CONTROL                            |          |                |          |                   |          |            |           |
| STAINLESS STEEL HEAT EXCHANGER           |          |                |          |                   |          |            |           |
| REHEAT                                   |          |                |          |                   |          |            |           |
| ROOF CURB                                |          |                |          |                   |          |            |           |
|                                          |          |                |          |                   |          |            |           |
| BASIC UNIT WEIGHTS                       |          | CORNER WEIGHTS |          | CENTER OF GRAVITY |          |            |           |
| SHIPPING                                 | NET      | (A)            | 239.0 lb | (C)               | 152.0 lb | (E) LENGHT | (F) WIDTH |
| 850.0 lb                                 | 755.0 lb | (B)            | 214.0 lb | (D)               | 151.0 lb | 44"        | 21"       |

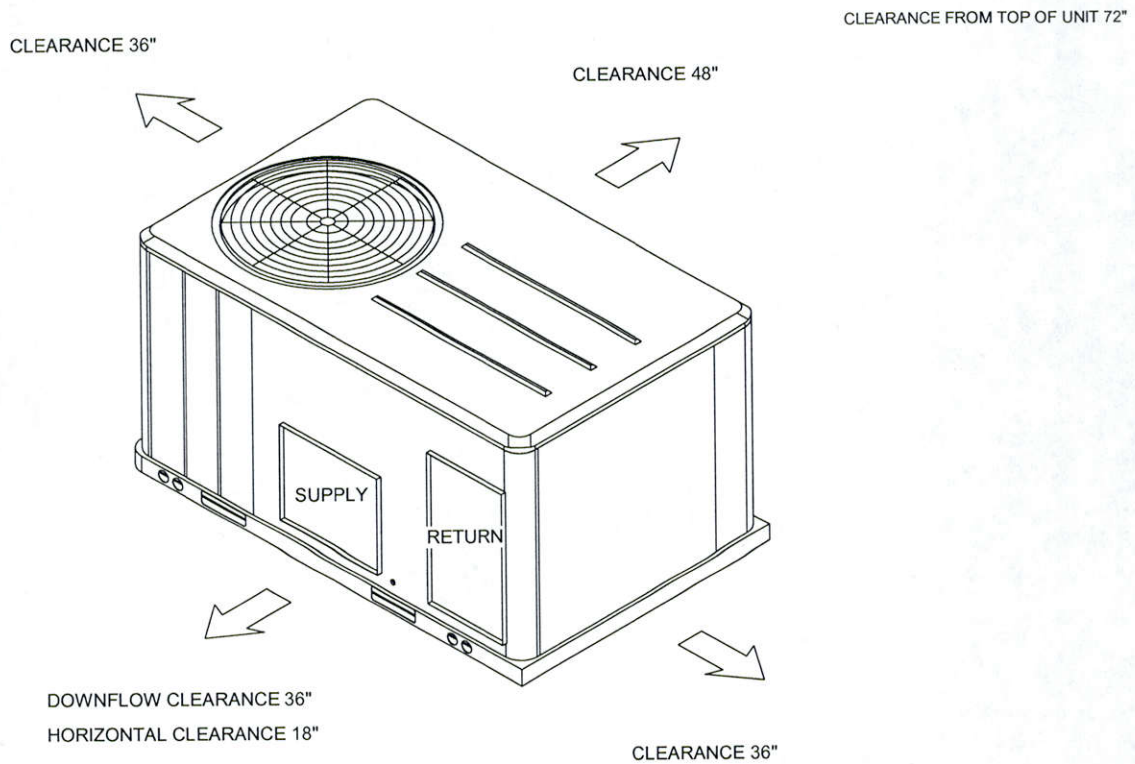
### NOTE:

1. CORNER WEIGHTS ARE GIVEN FOR INFORMATION ONLY.
2. TO ESTIMATE SHIPPING WEIGHT ADD 5 LBS TO NET WEIGHT.
3. BASIC UNIT WEIGHT DOES NOT INCLUDE ACCESSORY WEIGHT. TO OBTAIN TOTAL WEIGHT, ADD ACCESSORY NET WEIGHT TO BASIC UNIT WEIGHT.
4. WEIGHTS FOR OPTIONS NOT LISTED ARE <5 LBS.

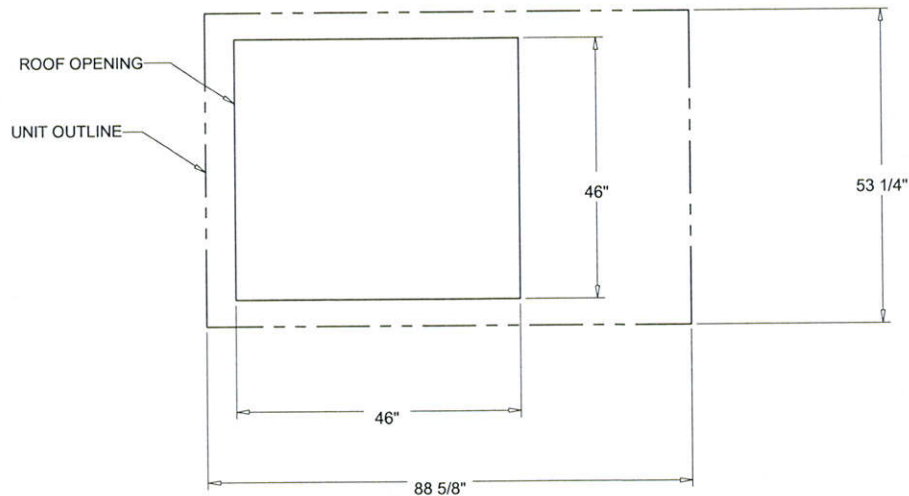


PACKAGED GAS / ELECTRICAL  
RIGGING AND CENTER OF GRAVITY

**Weight, Clearance & Rigging Diagram - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop**  
 Item: B9, B10 Qty: 2 Tag(s): #471 RTU-10, #471 RTU-11



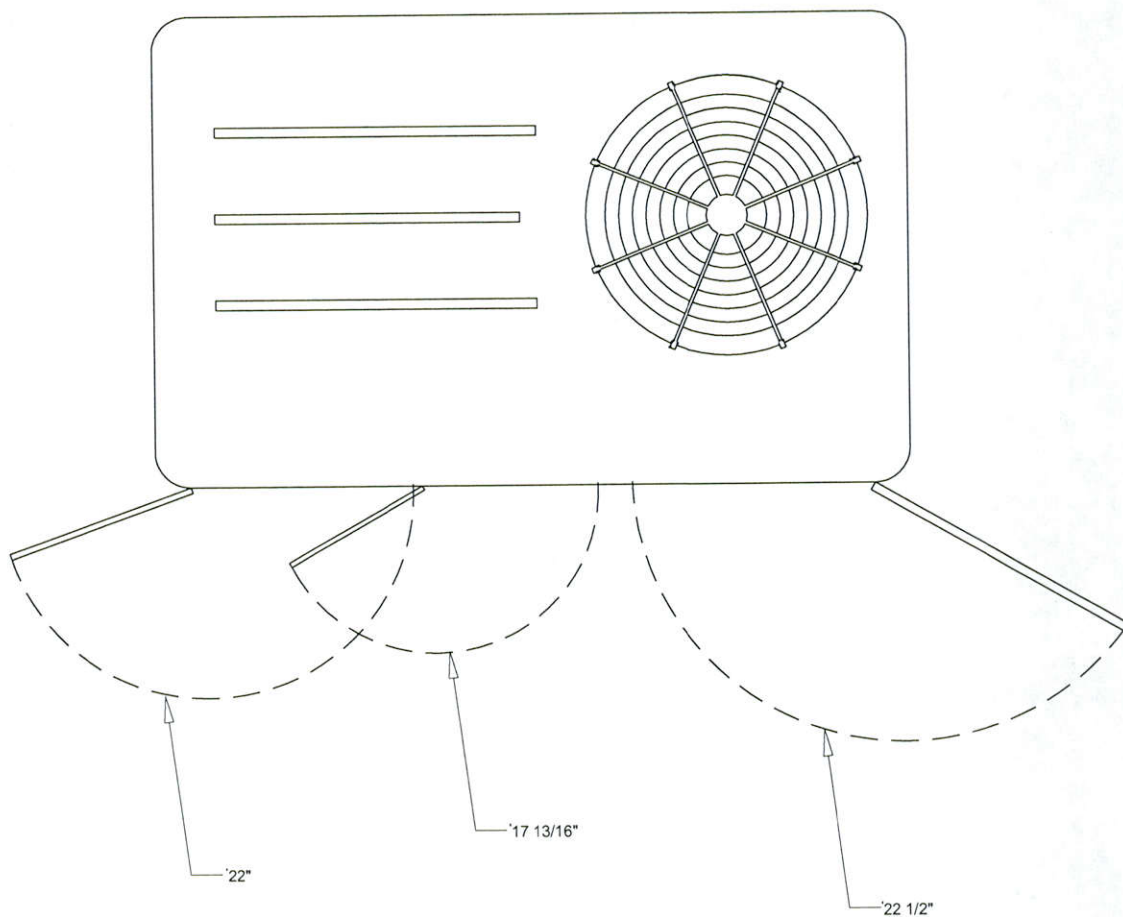
PACKAGED GAS / ELECTRIC  
 CLEARANCE



PACKAGED GAS / ELECTRIC  
 DOWNFLOW TYPICAL ROOF OPENING

**Accessory - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop**

Item: B1 - B8 Qty: 8 Tag(s): #471 RTU-1, #471 RTU-2, #471 RTU-3, #471 RTU-4, #471 RTU-5, #471 RTU-6, #471 RTU-7, #471 RTU-8

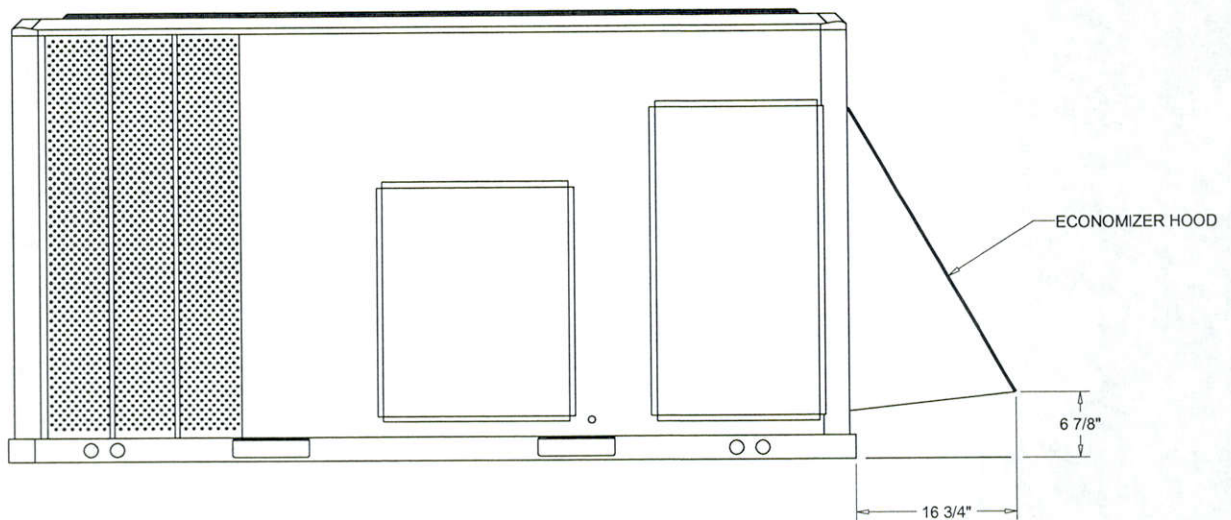
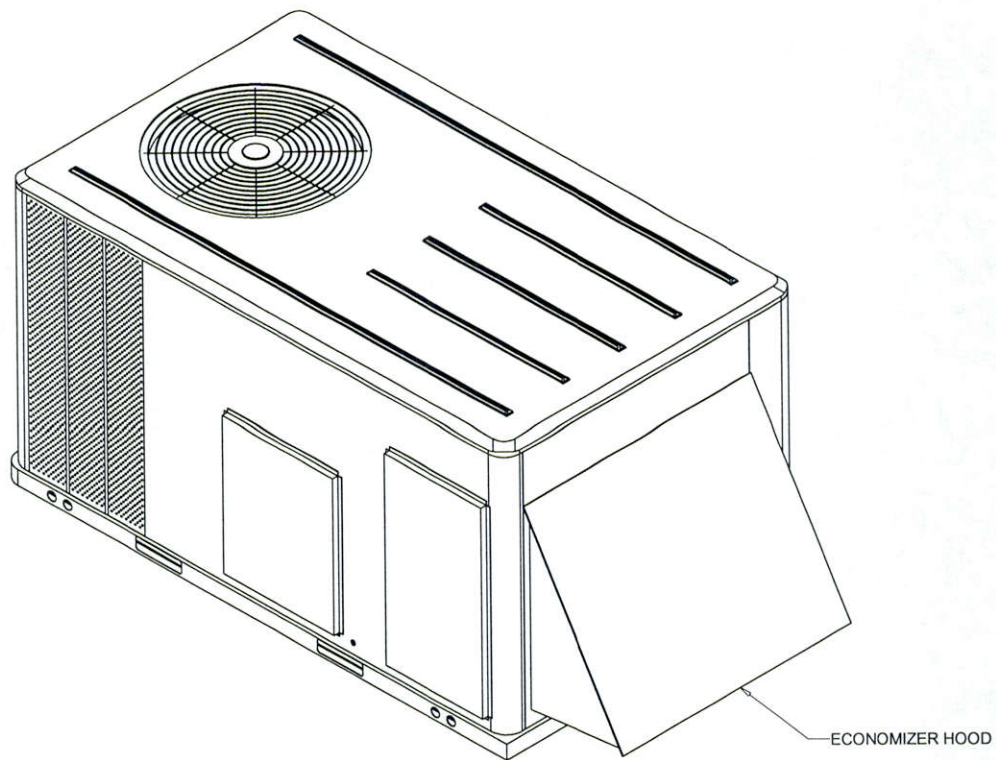


SWING DIAMETER - HINGED DOOR(S) OPTION

ACCESSORY

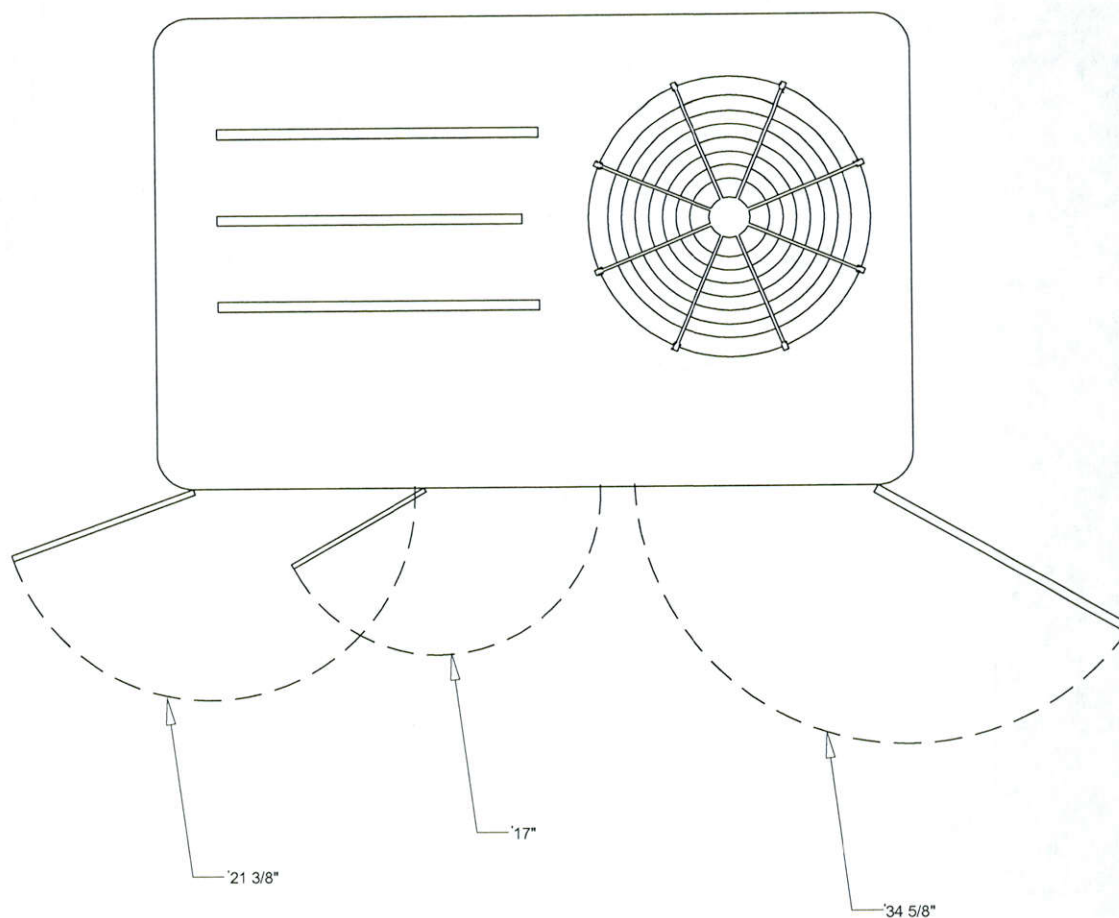
**Accessory - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop**

Item: B1 - B8 Qty: 8 Tag(s): #471 RTU-1, #471 RTU-2, #471 RTU-3, #471 RTU-4, #471 RTU-5, #471 RTU-6, #471 RTU-7, #471 RTU-8



ECONOMIZER HOOD  
ACCESSORY

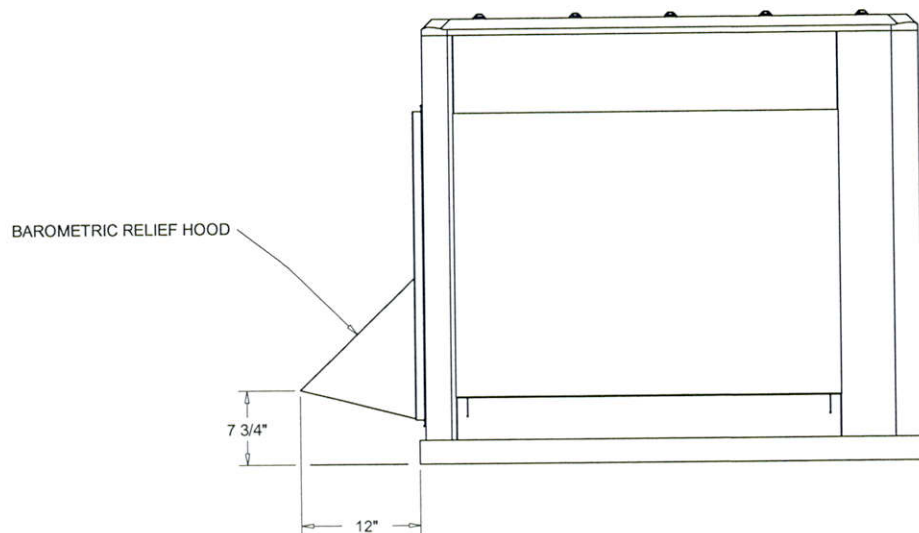
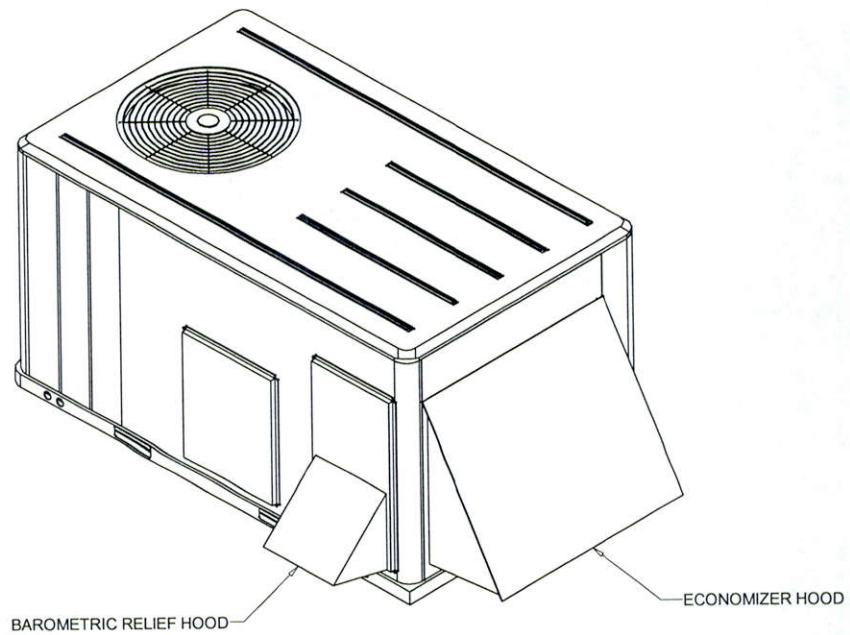
Accessory - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop  
Item: B9, B10 Qty: 2 Tag(s): #471 RTU-10, #471 RTU-11



SWING DIAMETER - HINGED DOOR(S) OPTION  
ACCESSORY

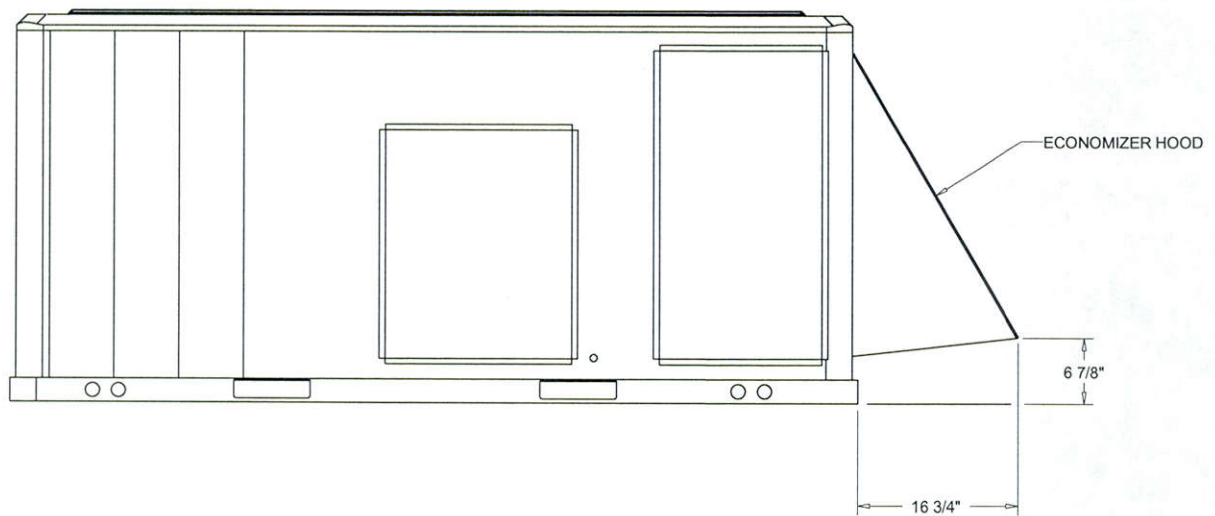
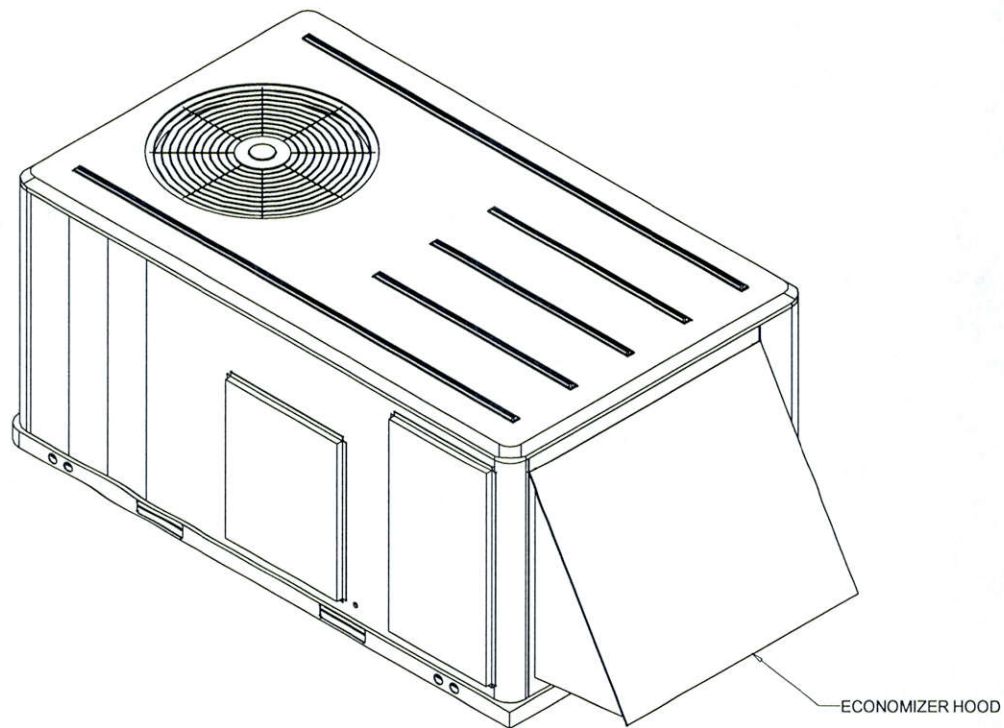
TSA #471 Brick, NJ

Accessory - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop  
 Item: B9, B10 Qty: 2 Tag(s): #471 RTU-10, #471 RTU-11



ACCESSORY - BAROMETRIC RELIEF DAMPER HOOD

Accessory - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop  
Item: B9, B10 Qty: 2 Tag(s): #471 RTU-10, #471 RTU-11



ACCESSORY - ECONOMIZER HOOD