

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND BUILDING PERMIT



This is to certify that

H J ASSOCIATES LTD /HVAC Services, Inc.

Located at

155 RIVERSIDE ST

PERMIT ID: 2013-00141

CBL: 267 B001001

has permission to **HVAC Lennox RTU's install for Egg & I**

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be procured prior to occupancy.

Fire Prevention Officer



Code Enforcement Officer / Plan Reviewer

**THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY
THERE IS A PENALTY FOR REMOVING THIS CARD**

PERMIT ID: 2013-00141

Located at: 155 RIVERSIDE ST

CBL: 267 B001001

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

| | | |
|--------------------------|-------------|---------------------|
| Permit No: 2013-00141 | Issue Date: | CBL: 267 B001001 |
|--------------------------|-------------|---------------------|

| | | | |
|--|---|---|------------------------------|
| Location of Construction: 155 RIVERSIDE ST | Owner Name: H J ASSOCIATES LTD | Owner Address: 155 RIVERSIDE ST PORTLAND, ME 04103 | Phone: |
| Business Name: | Contractor Name: HVAC Services, Inc. | Contractor Address: 73 Bradley Drive Westbrook ME 04092 | Phone (207) 854-4822 |
| Lessee/Buyer's Name | Phone: | Permit Type: HVAC | Zone: B4 |
| Past Use: Restaurant | Proposed Use: Restaurant | Permit Fee: \$620.00 | Cost of Work: \$60,000.00 |
| Proposed Project Description: HVAC Lennox RTU's install for Egg & I | | FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <input type="checkbox"/> N/A 2/25/13 | |
| | | INSPECTION: Use Group: A-2 Type: HVAC Signature: [Signature] 2/21/13 | |
| | | PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Signature: Date: | |

| | | | | |
|--|---------------------------------|---|---|--|
| Permit Taken By: bjs | Date Applied For: 01/23/2013 | Zoning Approval | | |
| 1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. 2. Building permits do not include plumbing, septic or electrical work. 3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work.. | | Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: 1/23/13 | Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: | Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: |

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

| | | | |
|------------------------|---------|------|-------|
| SIGNATURE OF APPLICANT | ADDRESS | DATE | PHONE |
|------------------------|---------|------|-------|

| | | |
|---|------|-------|
| RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE | DATE | PHONE |
|---|------|-------|

BUILDING PERMIT INSPECTION PROCEDURES
Please call 874-8703 (ONLY)
or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months. If the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.**

REQUIRED INSPECTIONS:

Close-in Plumbing/Framing
Electrical Close-in
Final - Commercial
Final - Fire

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.

City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

| | | |
|---------------------------------|--|----------------------------|
| Permit No: 2013-00141 | Date Applied For: 01/23/2013 | CBL: 267 B001001 |
|---------------------------------|--|----------------------------|

| | | | |
|--|--|--|--------------------------------|
| Location of Construction: 155 RIVERSIDE ST | Owner Name: H J ASSOCIATES LTD | Owner Address: 155 RIVERSIDE ST | Phone: |
| Business Name: | Contractor Name: HVAC Services, Inc. | Contractor Address: 73 Bradley Drive Westbrook | Phone (207) 854-4822 |
| Lessee/Buyer's Name | Phone: | Permit Type: HVAC | |

| | |
|------------------------------------|---|
| Proposed Use: Restaurant | Proposed Project Description: HVAC Lennox RTU's install for Egg & I |
|------------------------------------|---|

Dept: Zoning **Status:** Approved **Reviewer:** Marge Schmuckal **Approval Date:** 01/23/2013
Note: **Ok to Issue:** ☒

Dept: Building **Status:** Approved w/Conditions **Reviewer:** Jeanie Bourke **Approval Date:** 02/21/2013
Note: **Ok to Issue:** ☒

- 1) The appliance and venting shall be installed in accordance with the UL listing, manufacturer's specifications, IRC or IBC 2009 and NFPA 211
- 2) Per the building permit review comments, the RTU's are replacement and do not require structural reinforcement.
- 3) Separate permits are required for any electrical, plumbing, sprinkler, fire alarm, HVAC systems, heating appliances, including pellet/wood stoves, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.
- 4) Equipment shall be installed in compliance with the manufacturer's specifications and the UL listing.
- 5) The installation must comply with the State of Maine Gas Regulations.

Dept: Fire **Status:** Approved w/Conditions **Reviewer:** Ben Wallace Jr **Approval Date:** 02/25/2013
Note: This permit is for the Lennox RTUs only. A separate permit is required for commercial hood and suppression systems. **Ok to Issue:** ☒

- 1) Installation shall comply with City Code Chapter 10.
- 2) Installation shall comply with NFPA 211, Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances; NFPA 54, National Fuel Gas Code; NFPA 90A, Standard for the Installation of Air-Conditioning and Ventilating Systems; NFPA 91, Standard for Exhaust Systems for Air Conveying Vapors, Gases, Mists, and Noncombustible Particulate Solids; NFPA 70, National Electrical Code; and the manufacturer's published instructions.

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

| | | |
|------------|-------------|-------------|
| Permit No: | Issue Date: | CBL: |
| 2013-00141 | | 267 B001001 |

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| Proposed Project Description: HVAC Lennox RTU's install for Egg & I | | FIRE DEPT: 2/25/13 <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <input type="checkbox"/> N/A Signature: <i>[Signature]</i> (58) | INSPECTION: Use Group: A-2 Type: HVAC Signature: <i>[Signature]</i> 2/21/13 |
| | | PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Signature: _____ Date: _____ | |
| | | Zoning Approval | |
| Permit Taken By: bjs | Date Applied For: 01/23/2013 | | |

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3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

Special Zone or Reviews

- ☐ Shoreland
☐ Wetland
☐ Flood Zone
☐ Subdivision
☐ Site Plan

Maj ☐ Minor ☐ MM ☐Date: *OK 1/23/13***Zoning Appeal**

- ☐ Variance
☐ Miscellaneous
☐ Conditional Use
☐ Interpretation
☐ Approved
☐ Denied

Date: _____

Historic Preservation

- ☒ Not in District or Landmark
☐ Does Not Require Review
☐ Requires Review
☐ Approved
☐ Approved w/Conditions
☐ Denied

Date: *9***CERTIFICATION**

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT

ADDRESS

DATE

PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE

DATE

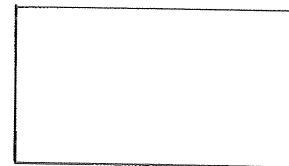
PHONE

141-13



FILL IN AND Sign WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location / CBL 155 Riverside St Use of Building REST. Date _____
Name and address of owner of appliance THE EGG 101, LLC
155 Riverside St Portland ME
Installer's name and address AVAC SERVICES INC
73 Bradley Dr. Westbrook ME Telephone 8544822

Location of appliance:

- ☐ Basement ☐ Floor
☐ Attic ☒ Roof

Type of Fuel:

- ☒ Gas ☐ Oil ☐ Solid

Appliance Name: Lennox RTUs

U.L. Approved ☒ Yes ☐ No

Will appliance be installed in accordance with the manufacturer's
installation instructions? ☒ Yes ☐ No

IF NO Explain: _____

The Type of License of Installer:

- ☐ Master Plumber # _____
☐ Solid Fuel # _____
☐ Oil # _____
☒ Gas # PNT 1138
☐ Other- _____

Type of Chimney:

- ☐ Masonry Lined

Factory built _____

- ☐ Metal

Factory Built U.L. Listing # _____

- ☐ Direct Vent
Type _____

Type of Fuel Tank

- ☐ Oil
☐ Gas

Size of Tank N/A

Number of Tanks N/A

Distance from Tank to Center of Flame N/A feet.

Cost of Work: \$ 60,000

Permit Fee: \$ 629

RECEIVED

JAN 23 2013

Dept. of Building Inspections
City of Portland Maine

Approved

Fire: _____

Ele.: _____

Bldg.: _____

Approved with Conditions

- ☐ See attached letter or requirement

Inspector's Signature

Date Approved

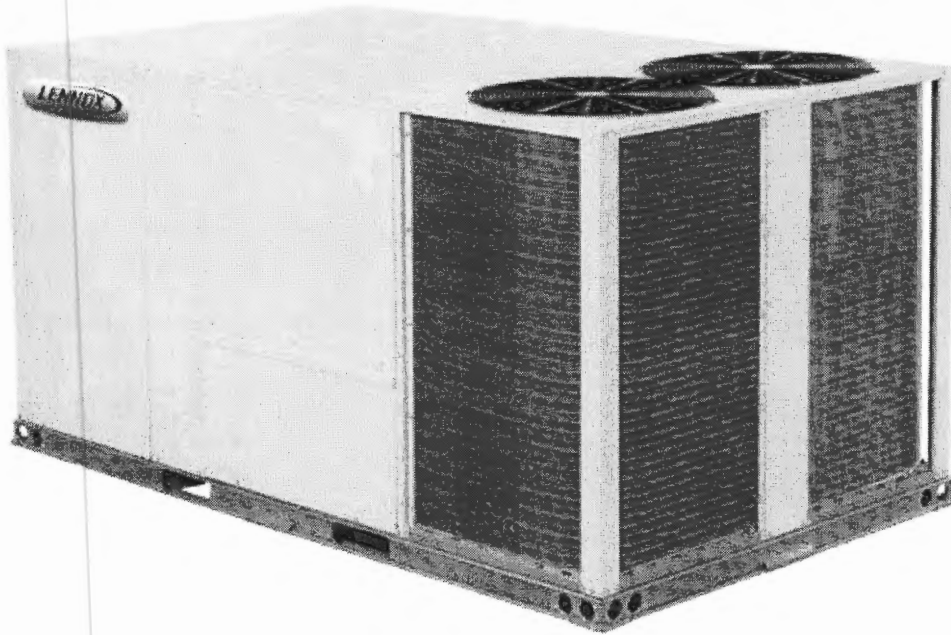
Signature of Installer _____

White - Inspection

Yellow - File

Pink - Applicant's

Gold - Assessor's Copy



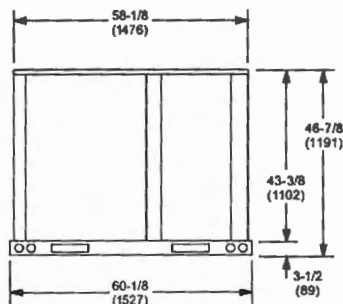
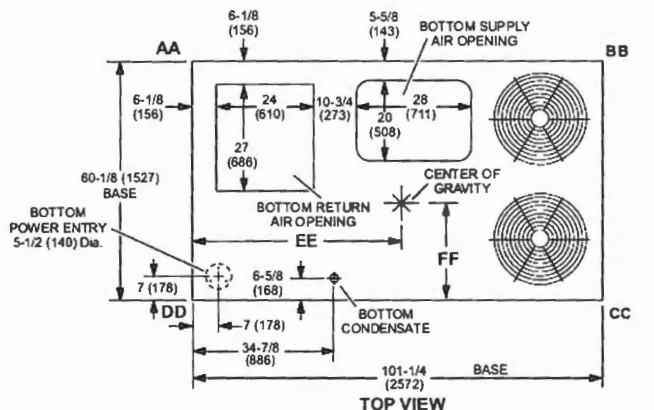
Lennox Industries Inc. - Product Submittal

| | |
|--------------------------|------------------------------|
| System ID: RTU-4 | Description: PKGGE/10TON/BTO |
| Package Model: KGA120S4B | |

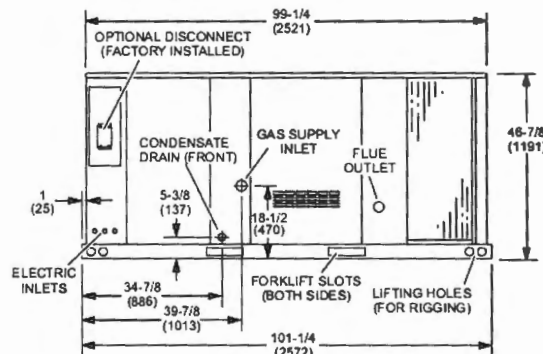
DIMENSIONS - INCHES (MM)

| Model No. | CORNER WEIGHTS | | | | | | | | | | | | | | | | CENTER OF GRAVITY | | | | | | | |
|-----------|----------------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|-------------------|------|------|------|------|-----|------|-----|
| | AA | | | | BB | | | | CC | | | | DD | | | | EE | | | | FF | | | |
| | Base | | Max. | | Base | | Max. | | Base | | Max. | | Base | | Max. | | Base | | Max. | | Base | | Max. | |
| | lbs. | kg | lbs. | kg | lbs. | kg | lbs. | kg | lbs. | kg | lbs. | kg | lbs. | kg | lbs. | kg | in. | mm | in. | mm | in. | mm | in. | mm |
| 092 | 248 | 113 | 292 | 133 | 223 | 101 | 255 | 116 | 243 | 110 | 273 | 124 | 276 | 125 | 320 | 145 | 47 | 1181 | 46 | 1156 | 24.5 | 622 | 25.5 | 648 |
| 102 | 253 | 115 | 297 | 135 | 228 | 103 | 260 | 118 | 248 | 112 | 278 | 126 | 282 | 128 | 326 | 148 | 47 | 1181 | 46 | 1156 | 24.5 | 622 | 25.5 | 648 |
| 120 | 263 | 119 | 308 | 140 | 237 | 107 | 269 | 122 | 258 | 117 | 288 | 130 | 293 | 133 | 337 | 153 | 47 | 1181 | 46 | 1156 | 24.5 | 622 | 25.5 | 648 |
| 150 | 286 | 130 | 331 | 150 | 257 | 117 | 289 | 131 | 280 | 127 | 309 | 140 | 318 | 144 | 362 | 164 | 47 | 1181 | 46 | 1156 | 24.5 | 622 | 25.5 | 648 |

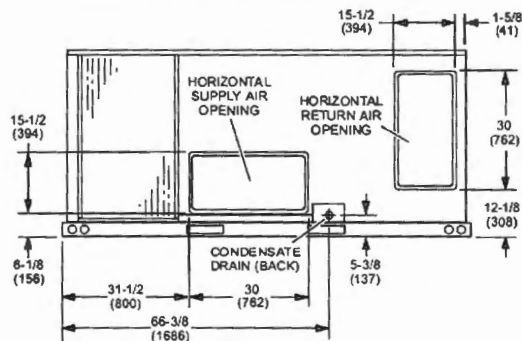
Base Unit - The unit with NO OPTIONS.
Max. Unit - The unit with ALL OPTIONS installed. (Economizer, etc.)



END VIEW



SIDE VIEW



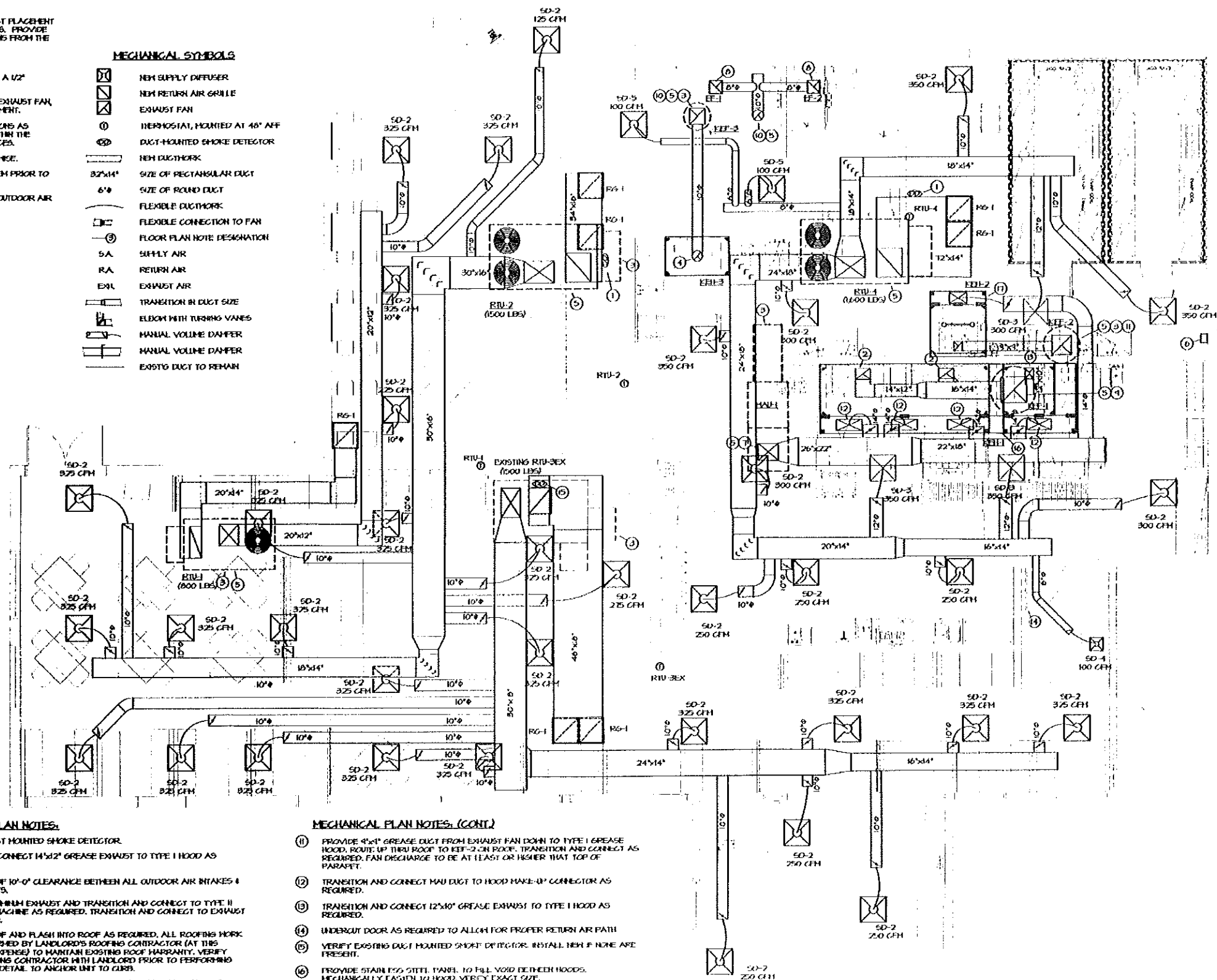
SIDE VIEW
(Horizontal Openings)

GENERAL NOTES:

1. REFER TO ARCHITECTURAL & SHELL BUILDING DRAWINGS FOR EXACT PLACEMENT OF EXHAUST FANS, ETC. & ADDITIONAL STRUCTURAL REQUIREMENTS. PROVIDE ADDITIONAL STEEL AS REQUIRED TO PROPERLY SUPPORT SYSTEMS FROM THE STRUCTURE.
2. INSTALL ALL DUCT, PIPE ETC. AS HIGH AS POSSIBLE.
3. DUCT SIZES SHOWN ARE ACTUAL SHEETMETAL SIZES AND INCLUDE A 1/2" ALLOWANCE FOR DUCT LINER WHERE APPLICABLE.
4. PROVIDE FLEXIBLE CONNECTION BETWEEN DUCTWORK AND EACH EXHAUST FAN, ROOFTOP UNIT, MAKE-UP AIR UNITS AND OTHER MOTORIZED EQUIPMENT.
5. COORDINATE ALL WORK WITH OTHER TRADES & EXISTING CONDITIONS AS REQUIRED TO PROPERLY INSTALL ALL SYSTEMS AS INTENDED, WITHIN THE CONFINES OF THE SPACES AVAILABLE, AND WITHOUT INTERFERENCES.
6. ALL DUCTWORK SHALL BE CONCEALED UNLESS INDICATED OTHERWISE.
7. CONTRACTOR TO VERIFY STRUCTURAL LOADS ON BUILDING SYSTEM PRIOR TO INSTALLATION OF ANY EQUIPMENT.
8. VERIFY 10'-0" CLEARANCE FROM ALL EXHAUST OUTLETS TO ANY OUTDOOR AIR INTAKES.

MECHANICAL SYMBOLS

- NEW SUPPLY DIFFUSER
- NEW RETURN AIR GRILLE
- EXHAUST FAN
- THERMOSTAT, MOUNTED AT 48" AFF
- DUCT MOUNTED SMOKE DETECTOR
- NEW DUCTWORK
- 30"x14" SIZE OF RECTANGULAR DUCT
- 6" SIZE OF ROUND DUCT
- FLEXIBLE DUCTWORK
- FLEXIBLE CONNECTION TO FAN
- ⊙ FLOOR PLAN NOTE DESIGNATION
- SA SUPPLY AIR
- RA RETURN AIR
- EXL EXHAUST AIR
- TRANSITION IN DUCT SIZE
- ELBOW WITH TURNING VANES
- MANUAL VOLUME DAMPER
- MANUAL VOLUME DAMPER
- EXISTG DUCT TO REMAIN



MECHANICAL PLAN NOTES:

1. LOCATION OF DUCT MOUNTED SMOKE DETECTOR.
2. TRANSITION AND CONNECT 14"x12" GREASE EXHAUST TO TYPE I HOOD AS REQUIRED.
3. MAINTAIN A MIN. OF 10'-0" CLEARANCE BETWEEN ALL OUTDOOR AIR INTAKES & EXH. FLUE OUTLETS.
4. PROVIDE 10" ALUMINUM EXHAUST AND TRANSITION AND CONNECT TO TYPE II HOOD FOR DENT MACHINE AS REQUIRED. TRANSITION AND CONNECT TO EXHAUST FAN AS REQUIRED.
5. CUT EXISTING ROOF AND FLASH INTO ROOF AS REQUIRED. ALL ROOFING WORK SHALL BE PERFORMED BY LANDLORD'S ROOFING CONTRACTOR (AT THIS CONTRACTOR'S EXPENSE) TO MAINTAIN EXISTING ROOF WARRANTY. VERIFY APPROVED ROOFING CONTRACTOR WITH LANDLORD PRIOR TO PERFORMING WORK. REFER TO DETAIL TO ANCHOR UNIT TO CURB.
6. LOCATION OF MANUAL PULL STATION. VERIFY LOCATION WITH LOCAL FIRE MARSHAL PRIOR TO INSTALLATION.
7. TRANSITION AND CONNECT MAKEUP AIR DUCT DOWN FROM ROOF AS REQUIRED.
8. SUPPORT FAN FROM STRUCTURE AS REQUIRED.
9. ROUTE 20"x16" GREASE EXH UP TO KEF-1 ON ROOF. TRANSITION AND CONNECT AS REQUIRED.
10. ROUTE 10" EXHAUST DUCT UP THRU ROOF TO HEATER HEAD AS REQUIRED. VERIFY EXACT LOCATION OF OPENING PRIOR TO INSTALLATION.

MECHANICAL PLAN NOTES (CONT.)

11. PROVIDE 4"x4" GREASE DUCT FROM EXHAUST FAN DOWN TO TYPE I GREASE HOOD. ROUTE UP THRU ROOF TO KEF-2 ON ROOF. TRANSITION AND CONNECT AS REQUIRED. FAN DISCHARGE TO BE AT LEAST 10' HIGHER THAN TOP OF PARAPET.
12. TRANSITION AND CONNECT MAKEUP DUCT TO HOOD MAKE-UP CONNECTOR AS REQUIRED.
13. TRANSITION AND CONNECT 12"x10" GREASE EXHAUST TO TYPE I HOOD AS REQUIRED.
14. UNDERCUT DOOR AS REQUIRED TO ALLOW FOR PROPER RETURN AIR PATH.
15. VERIFY EXISTING DUCT MOUNTED SMOKE DETECTOR. INSTALL NEW IF NONE ARE PRESENT.
16. PROVIDE STAINLESS STEEL PANEL TO FILL VOID BETWEEN HOODS. MECHANICALLY FASTEN TO HOOD. VERIFY EXACT SIZE.
17. CONNECT CONTROL WIRE TO INTERLOCK HEAT SENSOR IN KEF-2 WITH CONTROL PANEL AS REQUIRED BY THE MANUFACTURER.

MECHANICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

This drawing has been prepared by the Engineer, or under the supervision of the Engineer, and is provided as an advisory service only. It is not to be used for construction without the approval of the Engineer. The Engineer assumes no responsibility for the accuracy of the information provided, or for the consequences of any errors or omissions. The Engineer's liability is limited to the professional fee received for the services rendered.

BC ENGINEERS
INCORPORATED

5728 Bender Bayview, St. Louis, MO 63123 (314) 382-1772

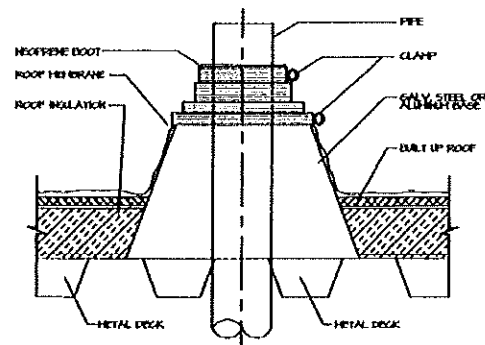
The EGG & I
Breakfast & Lunch

155 Riverside Street
Portland, Maine 04103
Howard Johnson Plaza Hotel

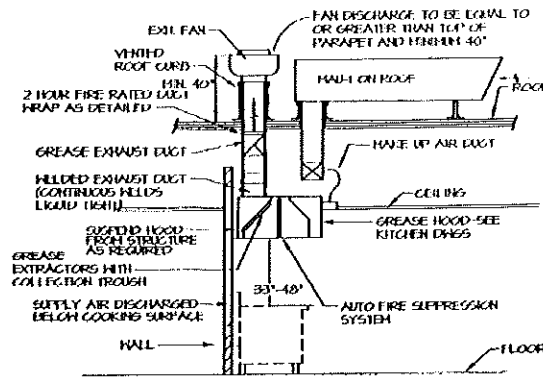
ICON:
ARCHITECTURE

1511 Westport Road
Kansas City, MO 64111
p.816.221.0260 f.816.221.0251

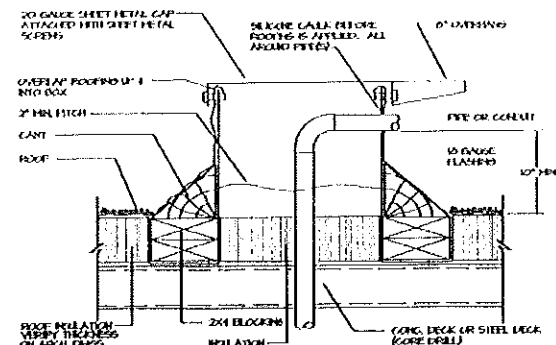
| | |
|---------------------------|------------------------|
| REVISIONS | ISSUE DATE 11/01/12 |
| PROJECT NUMBER 2012-42 | SHEET NUMBER M1 |
| MECHANICAL PLAN | |



SINGLE PIPE THRU ROOF DETAIL
SCALE: NONE



GREASE HOOD DETAIL
SCALE: NONE

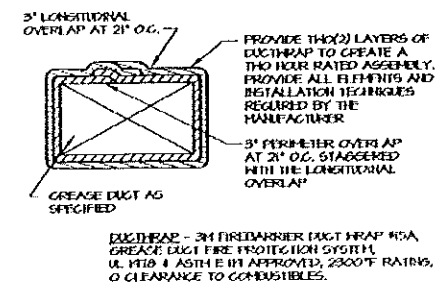


MULTIPLE PIPES THRU ROOF DETAIL
SCALE: NONE

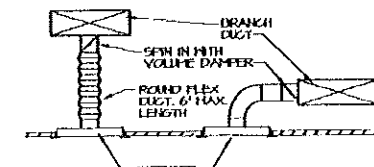
| OUTDOOR AIR CALCULATIONS | | | | | |
|--------------------------|---------|---------|-----------------|--------------|-------------|
| UNIT | CLASS | SQ. FT. | PEOPLE/ SQ. FT. | CFM/ SQ. FT. | CFM/ PERSON |
| RTU'S 4 HAU-1 | OFFICE | 54 | 10000 | | 20 |
| | KITCHEN | 165 | 200000 | | 15 |
| | TOILETS | 202 | | | 300 |
| | DRINKS | 210 | 300000 | | 20 |
| | LOBBY | 290 | 300000 | | 15 |
| TOTAL | | | | | 500 |

MINIMUM OUTDOOR AIR REQUIRED = 5,450 CFM
TOTAL OUTDOOR AIR SUPPLIED = 6,201 CFM

| DIFFUSER SCHEDULE | | | | | | |
|-------------------|-------|-------|-----------|-----------|--------|--------------------------|
| MARK | MEGR | MODEL | NECK SIZE | FACE SIZE | FINISH | REMARKS |
| SD-1 | TITUS | PAS/3 | 12" | 24"x24" | WHITE | - |
| SD-2 | | | 10" | | | - |
| SD-3 | | PAR/3 | 22"x22" | | | - |
| SD-4 | | PAS/3 | 6" | 12"x12" | | - |
| SD-5 | | | | 24"x24" | | W/ TRIM & O.B.D. IN NECK |
| RG-1 | | PAR/3 | 22"x22" | | | - |



GREASE DUCT ENCLOSURE DETAIL
SCALE: NONE



DIFFUSER DETAIL
SCALE: NONE

MECHANICAL AIR BALANCE SCHEDULE

| SUPPLY AIR UNIT | OUTSIDE AIRFLOW (CFM) | RETURN AIRFLOW (CFM) | SUPPLY AIRFLOW (CFM) | OA/SA % | EXHAUST AIR UNIT | EXHAUST AIRFLOW (CFM) | REMARKS |
|-----------------|-----------------------|----------------------|----------------------|-----------------------------------|------------------|-----------------------|---------|
| RTU-1 | 215 | 985 | 1,200 | 18.0% | KEF-1 | 3,950 | |
| RTU-2 | 640 | 2,460 | 3,000 | 18.0% | KEF-2 | 758 | |
| RTU-JEX | 720 | 3,280 | 4,000 | 18.0% | KEF-3 | 750 | |
| RTU-4 | 720 | 3,280 | 4,000 | 18.0% | EF-1 | 150 | |
| MEA-1 | 4,006 | 0 | 4,006 | 100.0% | EF-2 | 150 | |
| TOTAL | 6,201 | 10,005 | 16,206 | 38.2% | TOTAL | 5,766 | |
| | | | | RESULTING BUILDING PRESSURIZATION | 435 CFM | | |

| EXHAUST FAN SCHEDULE | | | | | | | | | |
|----------------------|------|--------|-----|----------------------------|------|-----------|-----|-------------|---------|
| MARK | MEGR | MODEL | CFM | EXTERNAL STATIC P. IN. WG. | RPM | VOLT/PHAS | PHR | FAN TYPE | REMARKS |
| EF-1 | COOK | CC-164 | 150 | 0.25 | 1125 | 120V/3Ø | 1PH | CEILING EXH | - |
| EF-2 | | | | | | | | | - |

- NOTES: 1. PROVIDE CEILING GRILLE, FAN SPEED CONTROL, HEAR FAN ABOVE CEILING, INTEGRAL BACK DRAFT DAMPER, HEATER HEAD, AND HEAT-FUSED DUCT (REGT) FOR EF-1 & EF-2.
2. FANS SHALL NOT EXCEED SCHEDULED RPM.

| ROOFTOP UNIT SCHEDULE | | | | | | | | | | | | | |
|-----------------------|--------|-----------|-----------|-----------|----------------------------------|---------------------------------|------------------------------|------------------------------|-----------------|-----------------|----------------|------------|---------|
| MARK | MEGR | MODEL NO. | NOM. TONS | EVAP. CFM | EXT. STATIC P. IN. WG. (NOTED 2) | TOTAL UNIT CAP. (TONS, BHP, AM) | COOLING CAP. (TONS, BHP, AM) | HEATING CAP. (TONS, BHP, AM) | EVAP. FAN (RPM) | HEAT. FAN (RPM) | FLTR. (INCHES) | VOL. (CFM) | REMARKS |
| RTU-1 | LENNOX | KGA03654 | 3 | 1200 | 0.8 | 36,300 | 21,200 | 105 | 800/1 | 1050/00 | 64000 | 2000/300 | 2 1/2" |
| RTU-2 | | KGA01054 | 15 | 9000 | 1 | 64,000 | 62,200 | | | 1800/00 | 144000 | | 3 1/2" |
| RTU-JEX | YORK | EN20NEN | 10 | 4000 | | 113,000 | 84,000 | | | 1800/00 | | | |
| RTU-4 | LENNOX | KGA12054B | 10 | 4000 | 0.8 | 113,600 | 85,200 | | | 1800/00 | 144,000 | | 3 1/2" |

- NOTES: 1. PROVIDE OUTDOOR AIR ECONOMIZER, TIME DELAY ON COMPRESSOR RE-START, GRANULAGE HEATER, BAROMETRIC RELIEF DAMPER, AND COMPRESSOR LOCK-OUT WITH ACHDENT BELOW 30", AND FUSED DISCONNECT FOR RTU-1, RTU-2 AND RTU-4. OUTDOOR AIR DUCTS TO FULLY CLOSE W/ FAN SHUTDOWN FOR EACH UNIT.
2. EXTERNAL STATIC PRESSURE LISTED REPRESENTS STATIC PRESSURE REQUIRED FOR DUCTWORK AND DIFFUSERS OUTSIDE THE HVAC UNIT COMPLETELY INDEPENDENT OF ANY PRESSURE DROP THROUGH THE HVAC EQUIPMENT INCLUDING BUT NOT LIMITED TO FILTERS, COILS AND ECONOMIZERS. THE FAN AND MOTOR SHALL BE SIZED APPROPRIATELY TO MEET THIS DEFINITION OF EXTERNAL STATIC PRESSURE.
3. PROVIDE 1-DAY PROGRAMMABLE HEAT/COOL/AUTO CHANGEOVER THERMOSTATS FOR EACH UNIT. THERMOSTAT TO BE HONEYWELL V5947PD 8000 COMMERCIAL (TMD200A003)- NO EXCEPTIONS.
4. PROVIDE CURB ADAPTER FOR RTU-1, RTU-2 AND RTU-4. VERIFY EXACT SIZE OF EXISTING CURB PRIOR TO ORDERING.
5. RTU-3 IS EXISTING, LISTED FOR REFERENCE ONLY.

This drawing has been prepared by the Engineer, or under his supervision. This drawing is provided to the Architect and is not to be used for any other purpose without the written consent of the Engineer. The Engineer assumes no responsibility for the accuracy of the information provided by the Architect or for the results of the design. The Engineer assumes no responsibility for the accuracy of the information provided by the Architect or for the results of the design. The Engineer assumes no responsibility for the accuracy of the information provided by the Architect or for the results of the design.

BC ENGINEERS INCORPORATED
5720 Becker Station, Ex. 66293 (615)282-1772

155 Riverside Street
Portland, Maine 04103
Howard Johnson Plaza Hotel

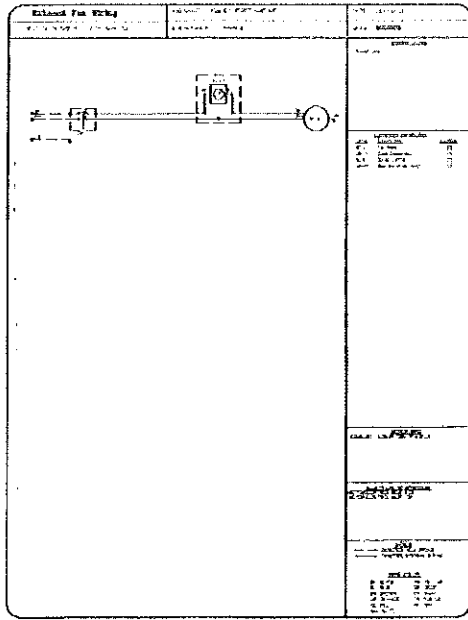
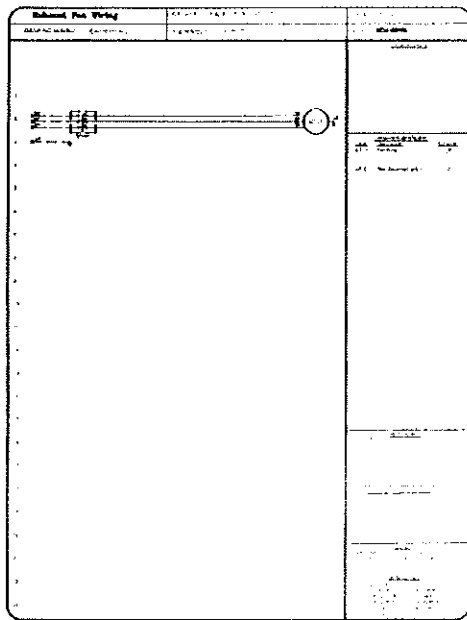
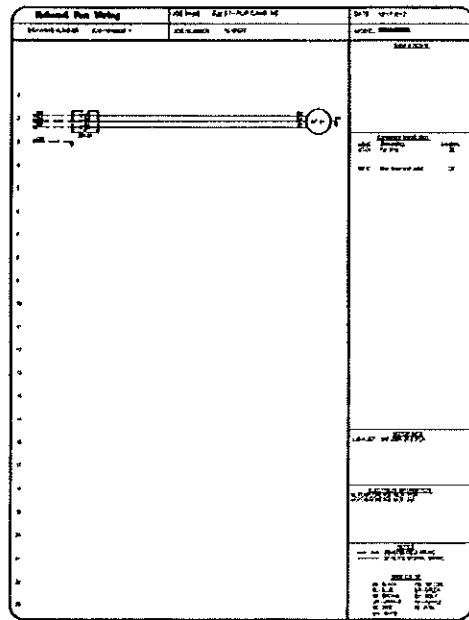
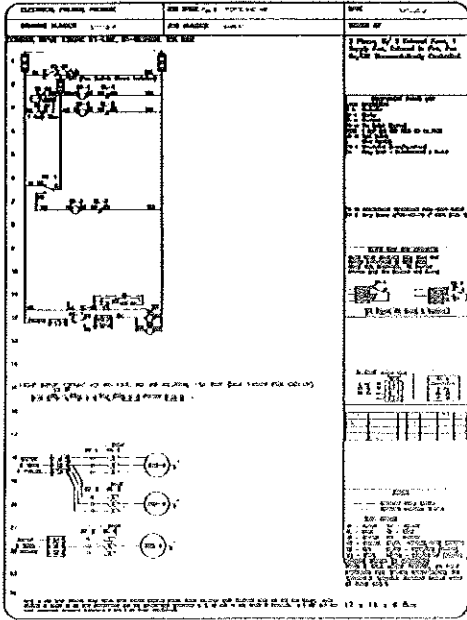
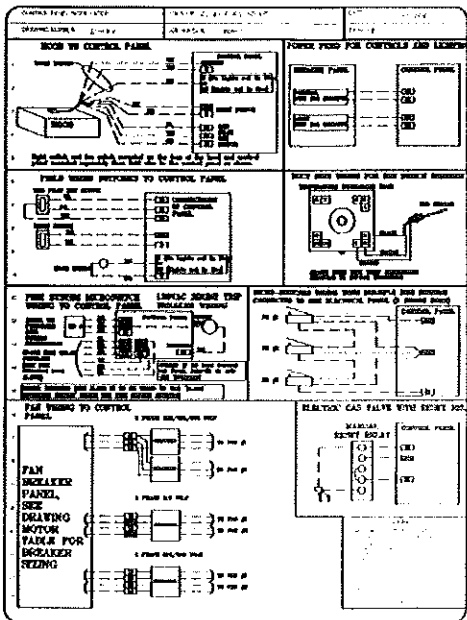
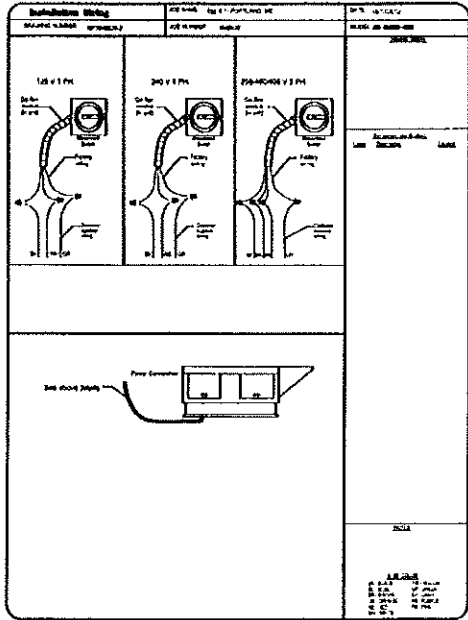
ICON:
ARCHITECTURE

1511 Westport Road
Kansas City, MO 64111
p 816 221 0250 f 816 221 0251

| MECHANICAL DETAILS | |
|--------------------|----------|
| ISSUE DATE | 11/01/12 |
| PROJECT NUMBER | 2012-42 |
| SHEET NUMBER | M2 |

SEA

| ELECTRICAL PACKAGES | | | | | | | | | |
|---------------------|-----|-----------|--------------------|------------------|---|----------------|-----|------|-----|
| NO | TA3 | PACKAGE # | LOCATION | QUANTITY | OPTION | PARTS ON ORDER | | | |
| 1 | EC | 311149 | Daily Cabinet Rpts | 1 Light 1 Fan | From On-Off Box D48 (Previously Listed) | TYPE | QTY | UNIT | TA3 |
| | | | | | | FROM | 3 | 1 | 1 |
| | | | | | | FROM | 3 | 1 | 1 |
| | | | | | | FROM | 3 | 1 | 1 |



BC ENGINEERS
INCORPORATED

5728 Boulder Square, E. 64003 (816)262-1778

REVISIONS

DATE: 10/17/2012

BY: JWO/H

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 3

The Egg & I
Breakfast & Lunch
Howard Johnson Plaza Hotel

155 Riverside Street
Portland, Maine 04103

icon:
ARCHITECTURE

1511 Westport Road
Kansas City, MO 64111
p.816.221.0250 f.816.221.0251

MECHANICAL HOODS

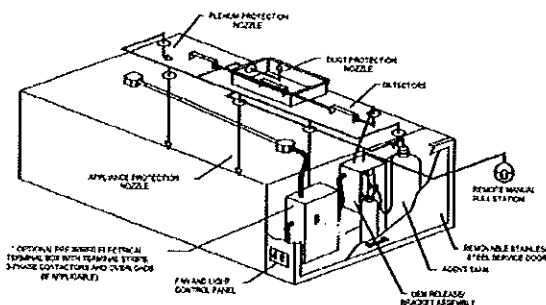
ISSUE DATE
11/01/12

PROJECT NUMBER
2012-42

SHEET NUMBER
M5

| HOOD INFORMATION | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|
| HOOD NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| TYPE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| MODEL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| LENGTH | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| MAX. COOKING TIME | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| VENT. CAP. (CFM) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| NO. OF HOODS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| NO. OF HOODS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| NO. OF HOODS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| NO. OF HOODS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

| HOOD INFORMATION | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|
| HOOD NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| TYPE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| MODEL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
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| MAX. COOKING TIME | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| VENT. CAP. (CFM) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| NO. OF HOODS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| NO. OF HOODS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| NO. OF HOODS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| NO. OF HOODS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |



TYPICAL HOOD SYSTEM LAYOUT

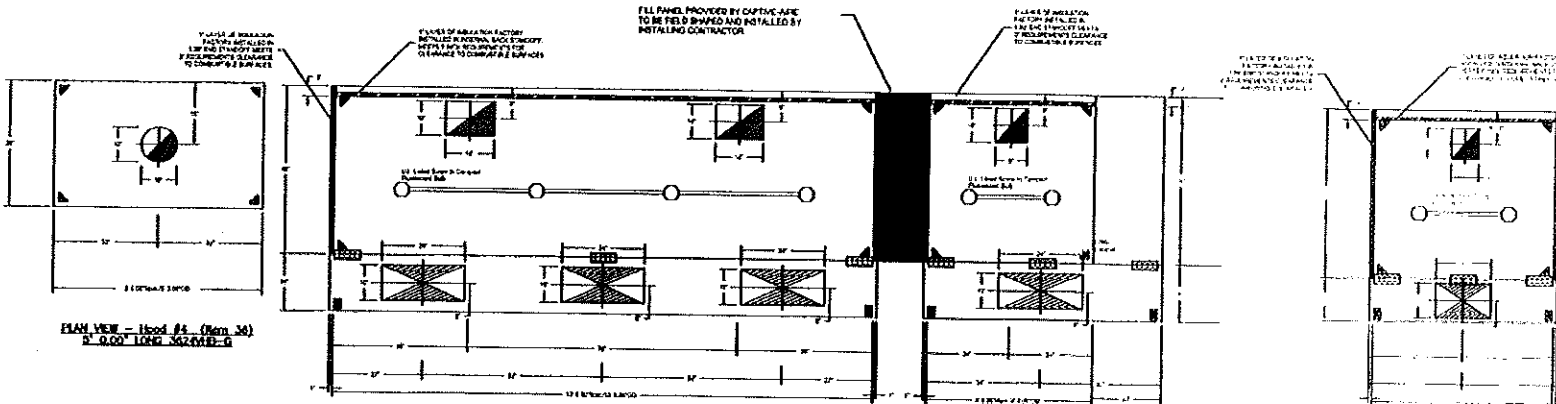
SPECIFICATIONS

THE RESTAURANT FIRE SUPPRESSION SYSTEM SHALL BE THE FIRE ENGINEER'S TYPE WITH A FROST NOZZLE AND A FROST NOZZLE. IT SHALL BE LIMITED TO THE FOLLOWING LIMITATIONS: (SEE SEE)

THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ALARM. WITH LOCAL OR REMOTE MANUAL ACTUATION, ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL SIGNALS AND BACKUP APPLICATIONS.

THE EXHAUSTING HOOD SHALL BE A FROST NOZZLE. ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL SIGNALS AND BACKUP APPLICATIONS.

THE HOOD SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ALARM. WITH LOCAL OR REMOTE MANUAL ACTUATION, ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL SIGNALS AND BACKUP APPLICATIONS.

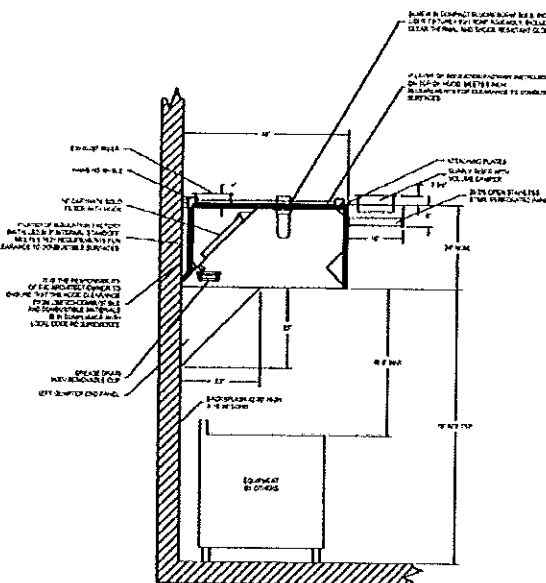


PLAN VIEW - Hood #1 (Item 14)

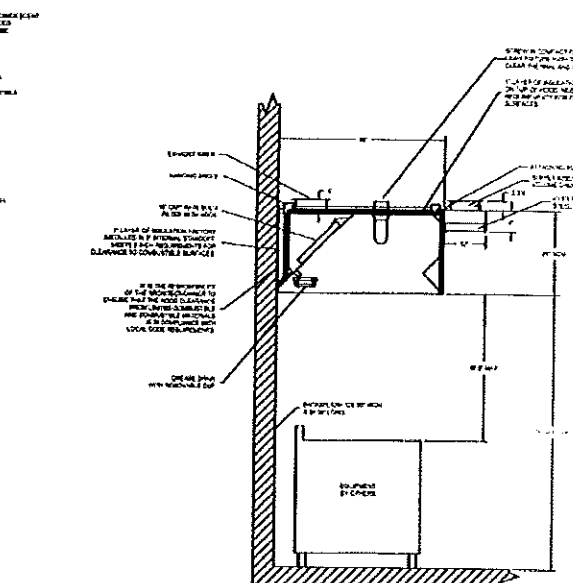
PLAN VIEW - Hood #1 (Item 14)

PLAN VIEW - Hood #1 (Item 14)

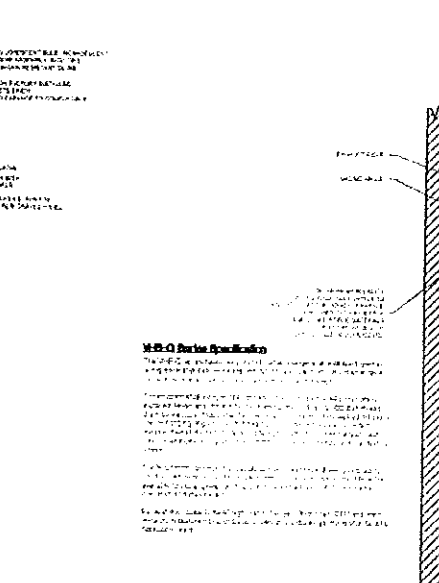
PLAN VIEW - Hood #1 (Item 14)



SECTION VIEW - HOOD #1 (Item 14)



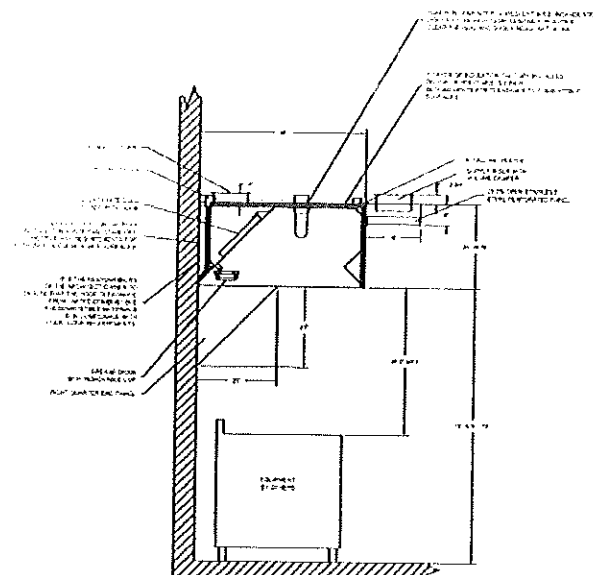
SECTION VIEW - HOOD #1 (Item 14)



SECTION VIEW - HOOD #1 (Item 14)

| HOOD OPTIONS | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|
| HOOD NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| TYPE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| MODEL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
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| NO. OF HOODS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| NO. OF HOODS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

| PREPARED SUPPLY PLANS | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|
| HOOD NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| TYPE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| MODEL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| LENGTH | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| MAX. COOKING TIME | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| VENT. CAP. (CFM) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| NO. OF HOODS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| NO. OF HOODS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| NO. OF HOODS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| NO. OF HOODS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |



SECTION VIEW - HOOD #1 (Item 14)

HOOD #1 (Item 14) SPECIFICATIONS

THE HOOD #1 (Item 14) SHALL BE A FROST NOZZLE. ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL SIGNALS AND BACKUP APPLICATIONS.

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CAPTIVE

EGG & I - PORTLAND, ME
SOUTH PORTLAND, ME

DATE: 10/11/2012
DRAWN BY: [Name]
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 1

The EGG & I
Breakfast & Lunch
Howard Johnson Plaza Hotel

ICON:
ARCHITECTURE

1511 Westport Road
Kansas City, MO 64111
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M3

MECHANICAL HOODS

ISSUE DATE: 11/01/12
PROJECT NUMBER: 2012-42
SHEET NUMBER: 1

BC ENGINEERS
INCORPORATED

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