

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



# CITY OF PORTLAND

# BUILDING PERMIT

This is to certify that TERBAX REALTY INC.

Located At 562 CONGRESS ST

Job ID: 2012-10-5112-HVAC

CBL: 037-G-014-001

has permission to Install Air Handler

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statues 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

\_\_\_\_\_  
Fire Prevention Officer

  
\_\_\_\_\_  
Code Enforcement Officer / Plan Reviewer

10/19/2012

THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY  
PENALTY FOR REMOVING THIS CARD

## BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

or email: [buildinginspections@portlandmaine.gov](mailto: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.**

### FINAL INSPECTION REQUIRED

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.



# PORTLAND MAINE

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Director of Planning and Urban Development  
Jeff Levine

Job ID: 2012-10-5112-HVAC

Located At: 562 CONGRESS ST

CBL: 037- G-014-001

## **Conditions of Approval:**

### **Fire**

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*;
3. NFPA 90A, *Standard for the Installation of Air-Conditioning and Ventilating Systems*;
4. NFPA 91, *Standard for Exhaust Systems for Air Conveying Vapors, Gases, Mists, and Noncombustible Particulate Solids*;
5. 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) 8716

Job No: 2012-10-5112-HVAC	Date Applied: 10/9/2012	CBL: 037- G-014-001	
Location of Construction: 562 CONGRESS ST	Owner Name: TERBAX REALTY INC.	Owner Address: 5 MILK ST PORTLAND, ME 04101	Phone:
Business Name:	Contractor Name: HVAC SERVICES	Contractor Address: 73 BRADLEY DRIVE, WESTBROOK, ME 04092	Phone: 854-4822
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC	Zone: B-3
Past Use: First floor retail with offices above	Proposed Use: Same: 1 <sup>st</sup> floor retail with offices above – to install Air handler unit	Cost of Work: \$58,000.00	CEO District:
		Fire Dept: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <input type="checkbox"/> N/A	Inspection: Use Group: <i>M/B</i> Type: <i>HVAC</i>
		Signature: <i>Capt. [unclear] 10/18/12</i>	Signature: <i>[unclear]</i>
Proposed Project Description: Install Air Handler		Pedestrian Activities District (P.A.D.)	

Permit Taken By: Gayle	<b>Zoning Approval</b>
------------------------	------------------------

<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building Permits do not include plumbing, septic or electrical work.</p> <p>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.</p>	<p><b>Special Zone or Reviews</b></p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetlands</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p>___ Maj ___ Min ___ MM</p> <p>Date: <i>OK - 10/14/12</i></p>	<p><b>Zoning Appeal</b></p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date:</p>	<p><b>Historic Preservation</b></p> <p><i>~ within ~</i></p> <p><input type="checkbox"/> Not in Dist or Landmark</p> <p><input type="checkbox"/> Does not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date: <i>Any exterior work requires a separate review &amp; approval</i></p>
	<b>CERTIFICATION</b>		

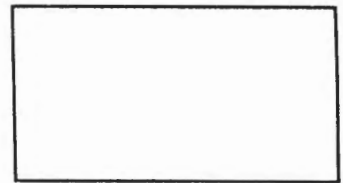
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, 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



FILL IN AND SIGN WITH INK

# APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



60 2012 10 5112

037 G014 B-3

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 562 Congress St. Use of Building \_\_\_\_\_ Date 9/20/12  
 Name and address of owner of appliance FORE RIVER PROP 5 MILK ST. PORTLAND  
TERBAX REALTY INC.  
 Installer's name and address HVAC SERVICES  
73 BRADLEY DRIVE WESTBROOK, ME Telephone 207 854 4822

**Location of appliance:** 04092

Basement  Floor  
 Attic  Roof

**Type of Fuel:** N/A

Gas  Oil  Solid

**Appliance Name:** AIR HANDLER

U.L. Approved  Yes  No

Will appliance be installed in accordance with the manufacture's installation instructions?  Yes  No

IF NO Explain: \_\_\_\_\_

**The Type of License of Installer:** N/A

Master Plumber # \_\_\_\_\_  
 Solid Fuel # \_\_\_\_\_  
 Oil # \_\_\_\_\_  
 Gas # \_\_\_\_\_  
 Other \_\_\_\_\_

**Type of Chimney:** N/A

Masonry Lined  
 Factory built \_\_\_\_\_

Metal  
 Factory Built U.L. Listing # \_\_\_\_\_

Direct Vent  
 Type \_\_\_\_\_ UL# \_\_\_\_\_

**Type of Fuel Tank:** N/A RECEIVED

Oil  
 Gas

**Size of Tank:** \_\_\_\_\_

**Number of Tanks:** \_\_\_\_\_

**Distance from Tank to Center of Flame:** \_\_\_\_\_ feet.

**Cost of Work:** \$ 57,400

**Permit Fee:** \$ 600

OCT 02 2012  
 Dept. of Building Inspection  
 City of Portland Maine

### Approved

Fire: \_\_\_\_\_  
 Ele.: \_\_\_\_\_  
 Bldg.: \_\_\_\_\_

Signature of Installer [Signature]

### Approved with Conditions

See attached letter or requirement

Inspector's Signature \_\_\_\_\_ Date Approved \_\_\_\_\_

# Packaged Climate Changer (LPCA)

## Job Information



HVAC Services - Steve - AHU  
 Portland ME  
 (B16)Daniel Broderick

Tag	LPC-1	Unit configuration	Horizontal /Front Top
Model Number	LPCAA21D	Unit size	21
Quantity	1		

## Unit Information

Design airflow	10200 cfm	Unit length	62.000 in
Elevation	0.00 ft	Unit width	76.220 in
Filter/Mixing section	Flat Unit MERV 8 filter	Unit height	52.000 in
Insulation	1" Double wall, internal isolation	Rigging weight	1353.8 lb
Face & bypass section	None	Installed weight	1470.2 lb

Note: Rated and Certified in accordance with the current edition of AHRI standard 410.

## Motor/Electrical Information

Unit voltage	208/60/3	Min circuit ampacity	46.75 A
Fan speed	964 rpm	Max fuse size	80.00 A
Motor power	15 hp premium	Full load amps	37.40 A
Actual motor power reqd	10.112 hp	Filter/Mixing section APD	0.259 in H2O
ESP	2.000 in H2O	Face & bypass section APD	0.000 in H2O
TSP	2.972 in H2O	Cooling APD	0.713 in H2O
Drives	1000 rpm (950 - 1050 Variable)	Heating APD	
Volume control	Constant Volume, Fixed Pitch	Preheat APD	
Outlet velocity	2347 ft/min	Reheat APD	

## Coil Information

Unit coil # 1	6R, 9 FPI		
Unit coil # 2	None		
Access section	None		
Heat pump application	No		
		Main Cooling	Main Heating
Total capacity	380.00 MBh		
Sensible capacity	254.59 MBh		
Entering dry bulb	78.00 F		
Entering wet bulb	67.00 F		
Leaving dry bulb	55.38 F		
Leaving wet bulb	55.03 F		
Fluid type	Water		Water
Fluid concentration			
Fluid freeze pt	32.00 F		32.00 F
Entering fluid temp	45.00 F		
Leaving fluid temp	56.35 F		
Fluid flow rate	66.72 gpm		
Fluid PD	6.64 ft H2O		
Fluid velocity	3.27 ft/s		
Entering refrigerant temp			
Saturated suction temp			
Refrigerant circuit arrangement	None		

# Packaged Climate Changer (LPCA)

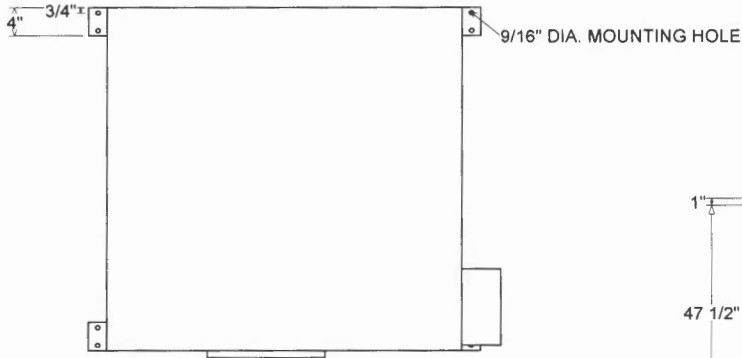
## Job Information



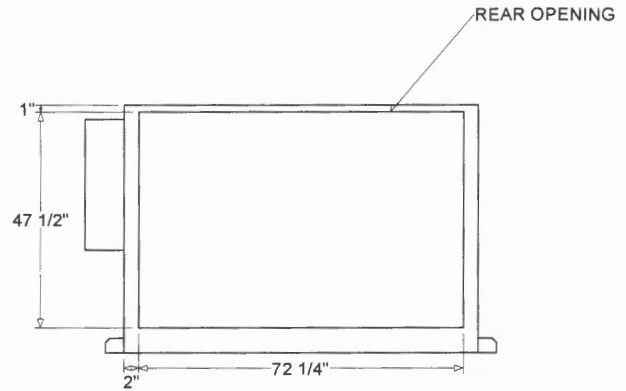
HVAC Services - Steve - AHU  
Portland ME  
(B16)Daniel Broderick

Tag	LPC-1	Unit configuration	Horizontal /Front Top
Model Number	LPCAA21D	Unit size	21
Quantity	1		

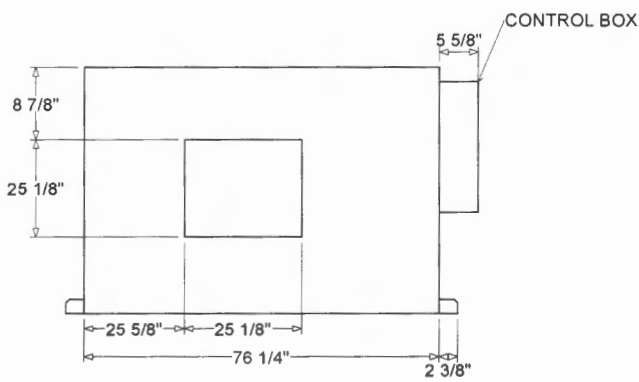
Number of distributors			
Steam pressure			
Condensate flow rate			
Electric heat			None
Face velocity	495 ft/min		



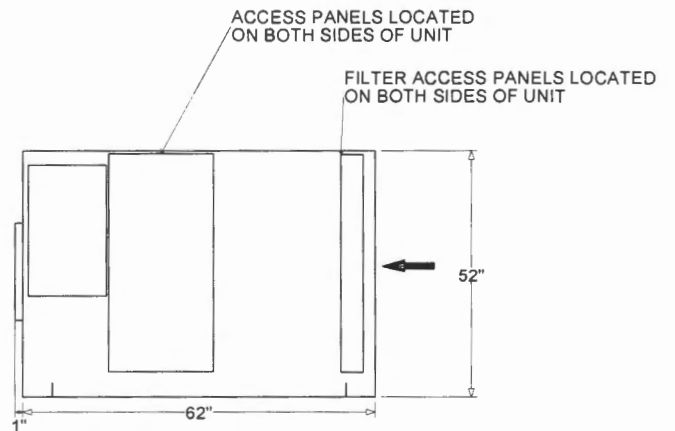
TOP



BACK

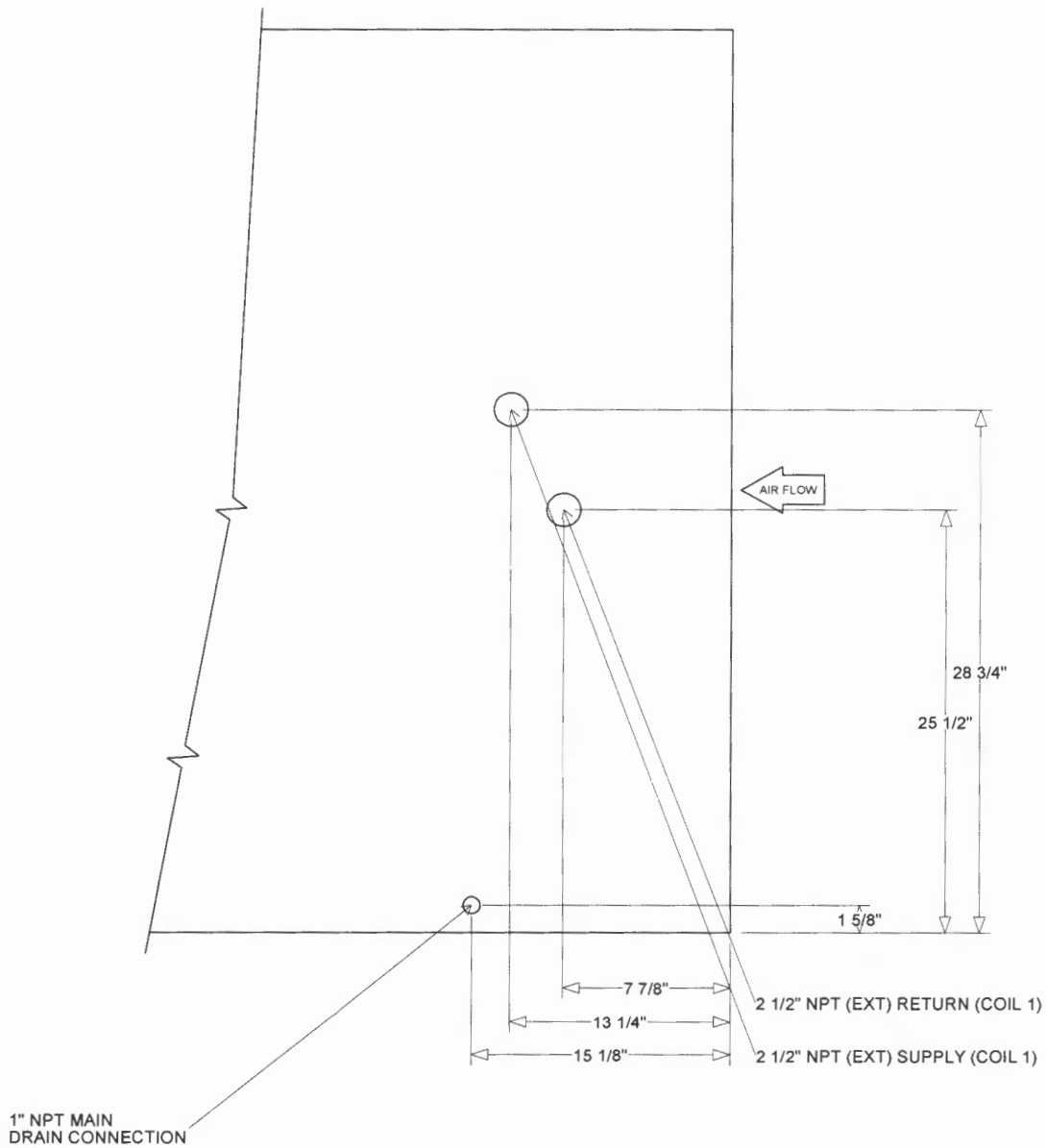


FRONT



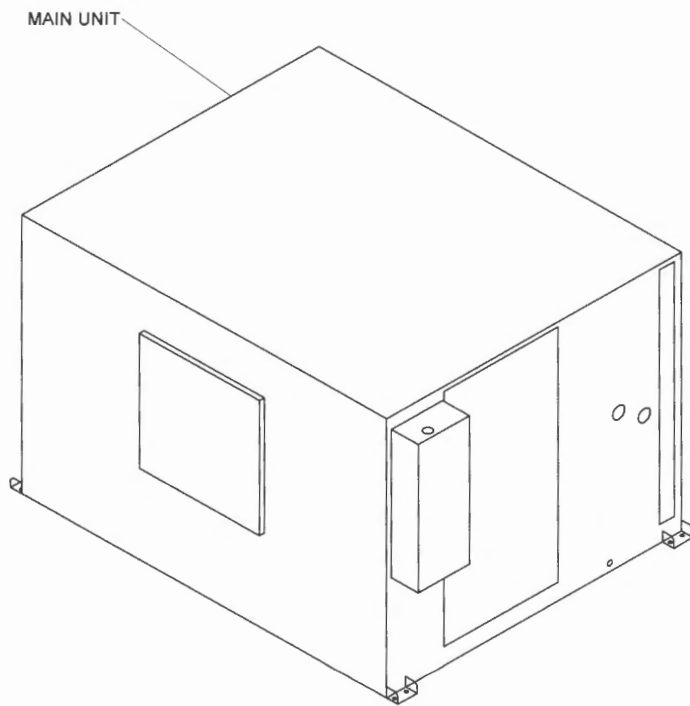
RIGHT





NOTES:

1. STUB OUT DEPTH IS 2.38" (60mm).
  2. STUB OUT LOCATIONS ARE DIMENSIONED FROM THE BOTTOM REAR CORNER OF UNIT.
  3. DIMENSIONS AND NOTES ARE CORRECT.
- THE PICTORIAL HEADER LOCATIONS RELATIVE TO EACH OTHER MAY NOT BE ACCURATE.



**SERVICE CLEARANCE**

**RIGGING**

**WARNING:** DO NOT USE CABLES OR SPREADER BARS EXCEPT AS SHOWN. OTHER LIFTING ARRANGEMENTS COULD CAUSE DEATH OR SERIOUS PERSONAL INJURY OR EQUIPMENT DAMAGE.

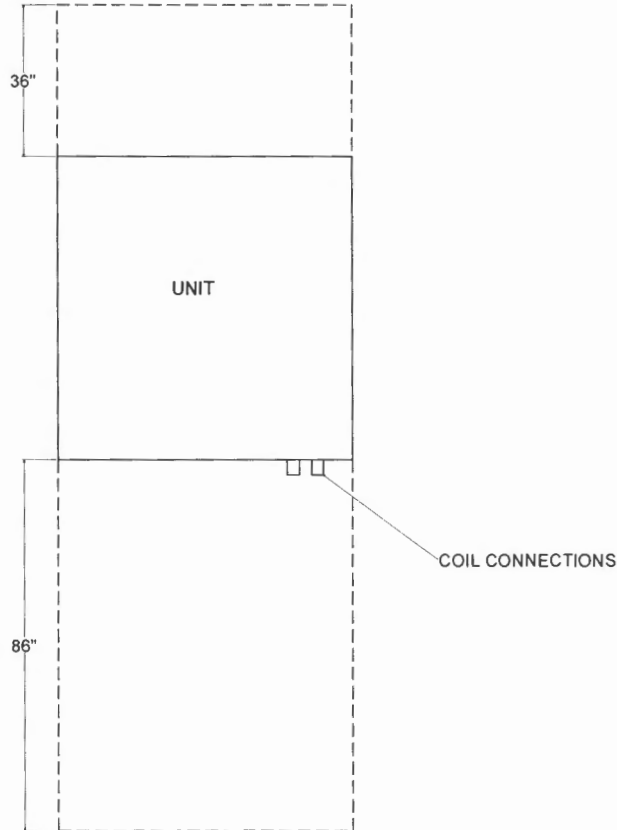
EACH OF THE CABLES USED TO LIFT THE UNIT MUST BE CAPABLE OF SUPPORTING THE ENTIRE WEIGHT OF THE UNIT.

BEFORE PREPARING ANY UNIT OR ACCESSORY FOR LIFTING, ESTIMATE THE APPROXIMATE CENTER OF GRAVITY AND TEST LIFT THE UNIT OR ACCESSORY TO DETERMINE BALANCE AND STABILITY.

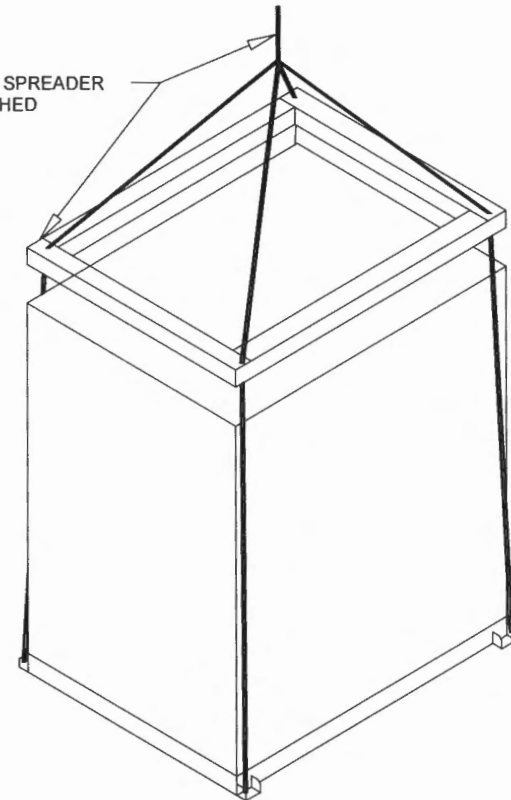
ASSEMBLY OF THE UNIT MUST BE PERFORMED AT THE UNIT INSTALLATION SITE. ALWAYS RIG UNITS AND ACCESSORIES AS THEY SHIP FROM THE FACTORY.

DO NOT RIG OR LIFT UNITS OR ACCESSORIES WITH FORK LIFT FORKS.

TO AVOID PERSONAL INJURY OR EQUIPMENT DAMAGE, DO NOT LIFT UNITS IN WINDY CONDITIONS OR ABOVE INSTALLATION PERSONNEL.



RIGGING AND SPREADER BARS FURNISHED BY OTHERS



**SHIPPING WEIGHTS**

BASIC UNIT	COIL 1	COIL 2	MOTOR	ACCESS SECTION	FILTER SECTION	MIXING SECTION	ELECTRIC HEAT	VFD	FACE/BYPASS SECTION
819.0 lb	322.8 lb		234.0 lb						

TOPSS Dimension Drawing  
ALL WEIGHTS AND DIMENSIONS ARE APPROXIMATE.





# PORTLAND MAINE

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## Receipts Details:

**Tender Information:** Check , BusinessName: visa, Check Number: 3449

**Tender Amount:** 600.00

## Receipt Header:

**Cashier Id:** gguertin

**Receipt Date:** 10/4/2012

**Receipt Number:** 48938

## Receipt Details:

Referance ID:	8252	Fee Type:	BP-Constr
Receipt Number:	0	Payment Date:	
Transaction Amount:	600.00	Charge Amount:	600.00
Job ID: Job ID: 2012-10-5112-HVAC - Install Air Handler			
Additional Comments: 562 Congress St., Hvac Services			

**Thank You for your Payment!**