

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND

BUILDING PERMIT

This is to certify that SALT OF THE EARTH

Located At 5 COMMERCIAL ST

Job ID: 2011-13409 HVAC

CBL: 029- N-024-001

has permission to Install a 48 ICEDO60 package unit on roof

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

[Signature] 12/20/11

Code Enforcement Officer / Plan Reviewer

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

City of Portland, Maine - Building or Use Permit Application

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

Job No: 2011-10-2519-CH OF USE 2011-13409 HVAC	Date Applied: 10/22/2011	CBL: 029- N-024-001	
Location of Construction: 9 COMMERCIAL ST	Owner Name: Salt of the earth	Owner Address: 9 COMMERCIAL ST PORTLAND, ME 04101	Phone:
Business Name:	Contractor Name: Avery Services	Contractor Address: 7 Thomas DR WESTBROOK MAINE 04092	Phone: (207) 772-8687
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC	Zone: B-3
Past Use: New Coffee Shop – see permit #2011-10-2519	Proposed Use: Same: Coffee Shop – to install 48TCED060 roof top HVAC Unit	Cost of Work: \$18,000.00	CEO District:
		Fire Dept: <input checked="" type="checkbox"/> Approved w/conditions <input type="checkbox"/> Denied <input type="checkbox"/> N/A	Inspection: Use Group: A-2 Type: HVAC IBC/ASHRAE62.1
Proposed Project Description: Coffee Shop - HVAC		Pedestrian Activities District (P.A.D.)	
Permit Taken By: Lannie		Zoning Approval	

<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 informatin may invalidate a building permit and stop all work.</p>	<p>Special Zone or Reviews</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 with conditns</i> <i>11/30/11</i></p>	<p>Zoning Appeal</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: <i>12/9/11</i></p>	<p>Historic Preservation</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 checked="" type="checkbox"/> Approved</p> <p><input checked="" type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date: <i>12/8/11</i></p> <p><i>D. Andrews</i></p>
	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 appication 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 or 874-8693 (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.**

Electrical Inspection prior to close in

Final Inspection at completion of work

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.



2011-10-2519 original permit

FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



* 2011-13409

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 9 commercial Use of Building 29-N24 Date 11-22-11

Name and address of owner of appliance _____

Installer's name and address Avery Services Inc 7 Thomas Dr
Westbrook 04092 Telephone 207-772-8687

Location of appliance:

- Basement
- Floor
- Attic
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: 48TCED060 package unit

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:

- Master Plumber # _____
- Solid Fuel # _____
- Oil # _____
- Gas # PA44676
- Other _____

Type of Chimney:

- Masonry Lined
Factory built N/A
- Metal
Factory Built U.L. Listing # _____
- Direct Vent
Type _____ UL# _____

Type of Fuel Tank

- Oil
- Gas

Size of Tank NAT

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 17,355

Permit Fee: \$ _____

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Dept. of Building Inspections
City of Portland Maine

11.22.11

Approved

Approved with Conditions

- See attached letter or requirement

Fire: _____

Ele.: _____

Bldg.: _____

Signature of Installer [Signature]

Inspector's Signature _____

Date Approved _____

White - Inspection Yellow - File Pink - Applicant's Gold - Assessor's Copy



CITY OF PORTLAND, MAINE

Department of Building Inspections

Original Receipt

11.22 2011

Received from Avery Services

Location of Work 7-5 Commercial

Cost of Construction \$ _____ Building Fee: _____

Permit Fee \$ _____ Site Fee: _____

Certificate of Occupancy Fee: _____

Total: 200

Building (IL) _____ Plumbing (I5) _____ Electrical (I2) _____ Site Plan (U2) _____

Other _____

CBL: 29-1024

Check #: 03593 Total Collected \$ 200

**No work is to be started until permit issued.
Please keep original receipt for your records.**

Taken by: [Signature]

WHITE - Applicant's Copy
YELLOW - Office Copy
PINK - Permit Copy

PROPOSAL

989

AVERY SERVICES, INC.
7 Thomas Drive
WESTBROOK, MAINE 04092
(207) 772-8687

FAX (207) 874-0933

TO: **Leddy Houser Associates**
429 Preble Street
South Portland ME 04106

PHONE (o) 767-0903	DATE 11/21/2011
JOB NAME/LOCATION Package unit 9 Commercial Street, Portland	
JOB NUMBER MSD #103506	JOB PHONE

We hereby submit specifications and estimates for:

Avery Services, Inc. is pleased to submit a quote to perform the following work:

- Provide and install two Carrier 48TCED060, 5-ton gas fired package unit and roof curb.
- Provide and install two (2) Carrier Economizers for fresh air.
- Provide and install two (2) Carrier programmable thermostat. Low voltage wire included.
- Provide and install a galvanized spiral ductwork system with ten (10) spiral diffusers and one (1) spiral branch to bathroom with two (2) supply vents.
- Provide and install one (1) return grille mounted in return drop.
- Provide and install one (1) bathroom exhaust fan with three (3) exhaust vents in ceilings.
- Provide and install gas piping to unit.
- Provide crane for unit lift.

EXCLUSIONS: Structural, soffiting, carpentry, electrical, roofer, structural engineering report if required, and adequacy of existing systems.

We **Propose** hereby to furnish material and labor - complete in accordance with the above specifications, for the sum of:
Seventeen Thousand Three Hundred Fifty Nine and 00/100 Dollars dollars (\$) **17,359.00** .

Payment to be made as follows:

\$8,679.00 upon acceptance - Progress billing/net 5 days - All balances due upon substantial completion.

If payment is not made as outlined above, a service charge of 2% per month on the overdue balance plus all reasonable costs of collection, including attorney's fees will be paid.

All material is guaranteed to be as specified. All work to be completed in a professional manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Worker's Compensation insurance.

Acceptance of Proposal - The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

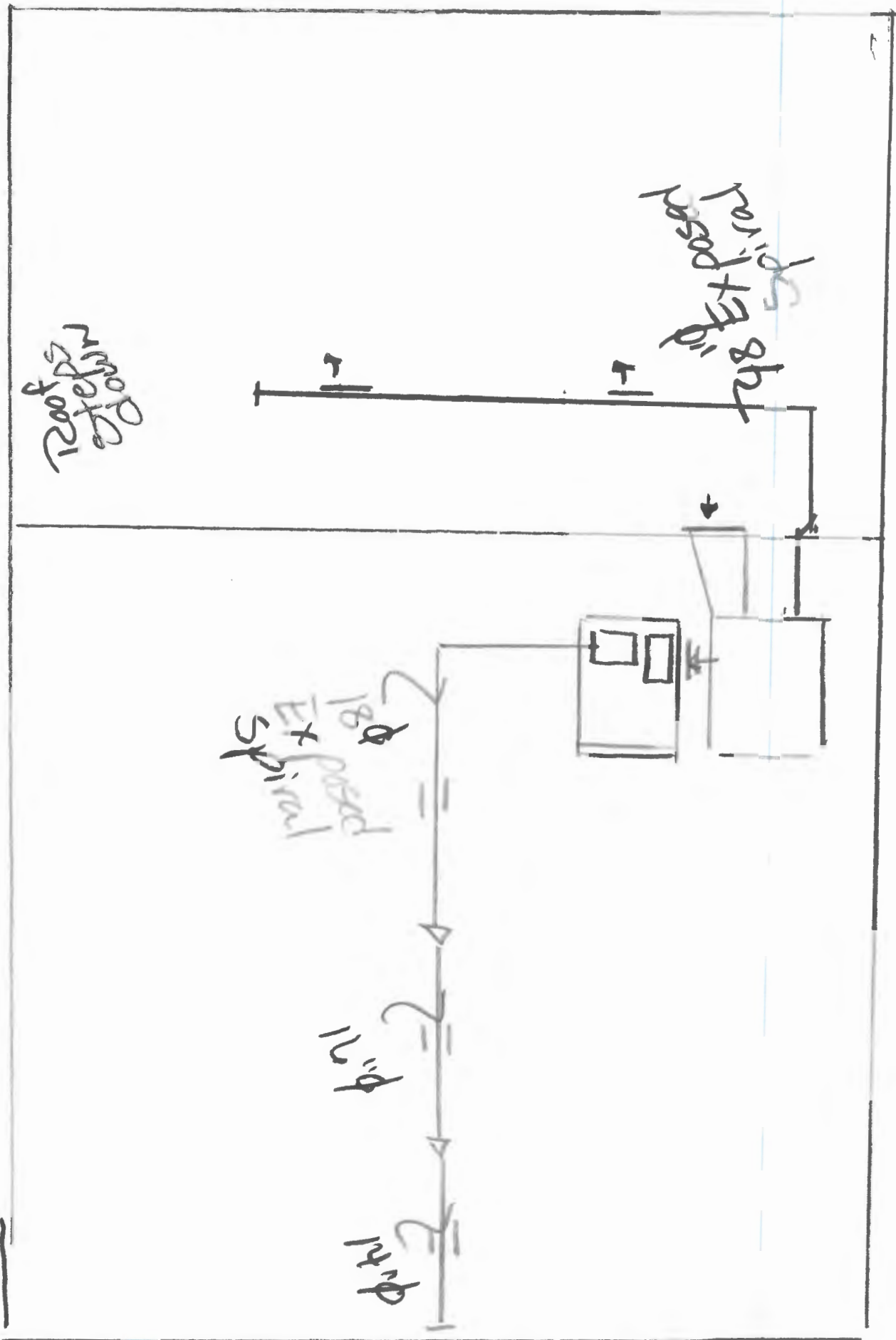
Date of Acceptance: 11-21-2011

Authorized Signature Michael Darling R.P.

NOTE: This proposal may be withdrawn by us if not accepted within 30 days.

Signature [Signature]

Signature _____



Roof drain
down

2 1/2" Ext Pass
1/2" Ext Pass

2" Ext Pass
Spiral

1/2"

1/4"

CURBS & WEIGHTS DIMENSIONS - 48TC 04-07 (cont.)

UNIT	STD. UNIT WEIGHT		CORNER WEIGHT (A)		CORNER WEIGHT (B)		CORNER WEIGHT (C)		CORNER WEIGHT (D)		C.G.		HEIGHT
	LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	X	Y	Z
48TC-A04	483	219	111	50	125	57	131	59	116	53	39 [991]	23 [584]	16 3/8 [416]
48TC-A05	537	244	124	56	139	63	145	66	129	59	39 [991]	23 [584]	17 [432]
48TC-A06	569	258	131	59	147	67	154	70	137	62	39 [991]	23 [584]	17 1/4 [438]
48TC-A07	652	296	150	68	169	76	176	80	157	71	39 [991]	23 [584]	20 1/8 [511]

48TC

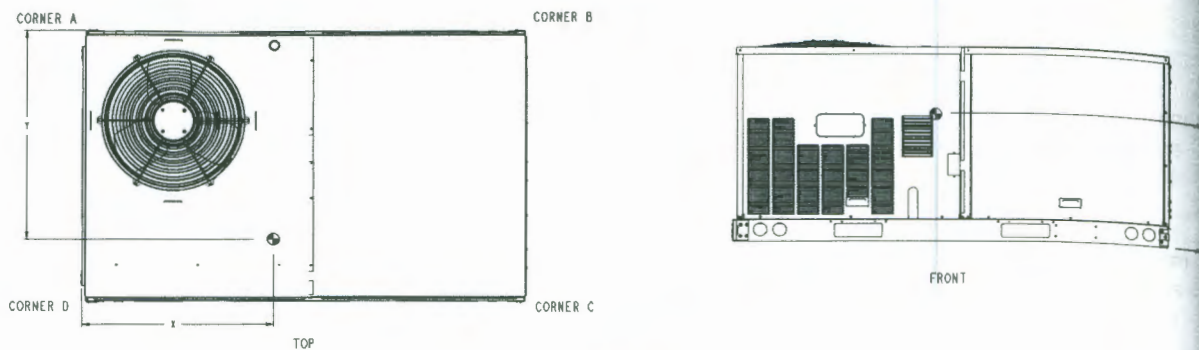
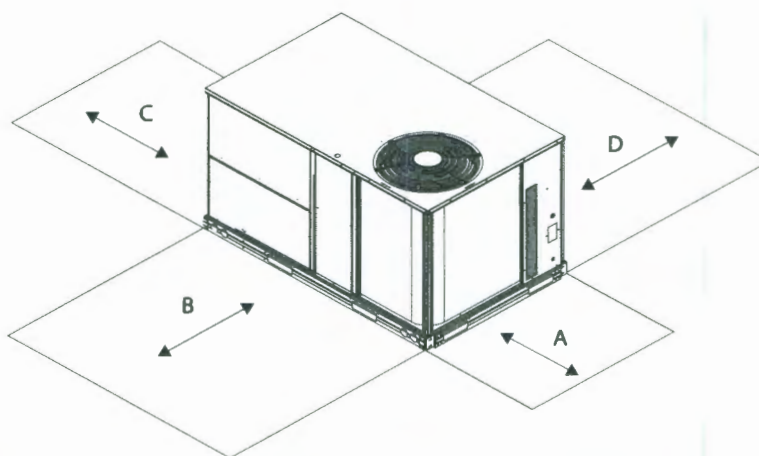


Fig. 2 - Dimensions 48TC 04-07



C08337

Fig. 3 - Service Clearance

LOC	DIMENSION	CONDITION
A	48-in (1219 mm)	Unit disconnect is mounted on panel
	18-in (457 mm)	No disconnect, convenience outlet option
	18-in (457 mm)	Recommended service clearance
	12-in (305 mm)	Minimum clearance
B	42-in (1067 mm)	Surface behind servicer is grounded (e.g., metal, masonry wall)
	36-in (914 mm)	Surface behind servicer is electrically non-conductive (e.g., wood, fiberglass)
	Special	Check for sources of flue products within 10-ft of unit fresh air intake hood
C	36-in (914 mm)	Side condensate drain is used
	18-in (457 mm)	Minimum clearance
D	48-in (1219 mm)	No flue discharge accessory installed, surface is combustible material
	42-in (1067 mm)	Surface behind servicer is grounded (e.g., metal, masonry wall, another unit)
	36-in (914 mm)	Surface behind servicer is electrically non-conductive (e.g., wood, fiberglass)
	Special	Check for adjacent units or building fresh air intakes within 10-ft of this unit's flue outlet

Structural Integrity

Consulting Engineers, Inc.

October 31, 2011

Mr. Peter Houser
Ledy Houser Associates
50 Portland, Maine

Reference:
New RTU and Added Roof Insulation
Proposed Coffee Shop
Space "A"
9 Commercial Street
Portland, Maine

Structural Integrity Job: #11-0106

Dear Mr. Houser,

As requested, I am writing this memo regarding the structural capacity of the existing roof at 9 Commercial Street in regard to the forthcoming insulation upgrade and new Roof Top HVAC Units proposed in the Contract Documents for this project

The opinions expressed are based on limited visual observations during my visit to the site on October 21st, 2011 and my knowledge of structures, their components, and the related building codes. No physical testing was performed to determine the adequacy of the complete structural systems. Architectural/life safety conditions are not included in this report. No warranty expressed or implied, as to the condition of the structure, is intended.

The existing roof is constructed with full sawn 2x8 rafters at up to 24" on center supported on trussed girders at 10' on center. The top chord girder of the trusses is equivalent to a full sawn 6x12. Based on my calculation I have found the existing rafter and trussed girder framing is suitable to support a uniform load of 60 psf. This leaves plenty of reserve capacity to support the code imposed flat roof snow load of 43 psf for this building.

One connection at grid line "C" needs to be improved. The top chord of the truss needs to be strapped back to the double 2x10 rafter/brace that runs toward grid line "D". The top chord girder and the double 2x10 rafter at the middle of the truss span should be connected with a TS24 Simpson strap at each side of the double 2x10.

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Dept. of Building Inspections
City of Portland Maine

Structural Integrity

Consulting Engineers, Inc.

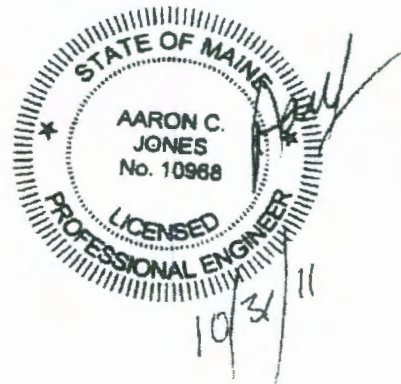
I have also reviewed the location and installation of the new RTU's shown on on the current documents for the project and have found that the trussed girders are capable of supporting the new RTU weight and snow loads. The new RTU's are to be located between girders "C" and "D" and between "D" and "E". The rafters below the new RTU's should be sistered with new 2x8 and fastened to the existing with (3) 16d nails at 8" typical. The critical location dimension that is to be held is from the north masonry bearing wall back to the RTU centers. This distance from the center of the RTU to the truss support/ north wall should not exceed seven feet.

Do not hesitate to call with any questions, comments, or if I can be of further assistance.

Sincerely,



Aaron C. Jones, P.E., SECB, LEED AP BD+C
President



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City of Portland Maine