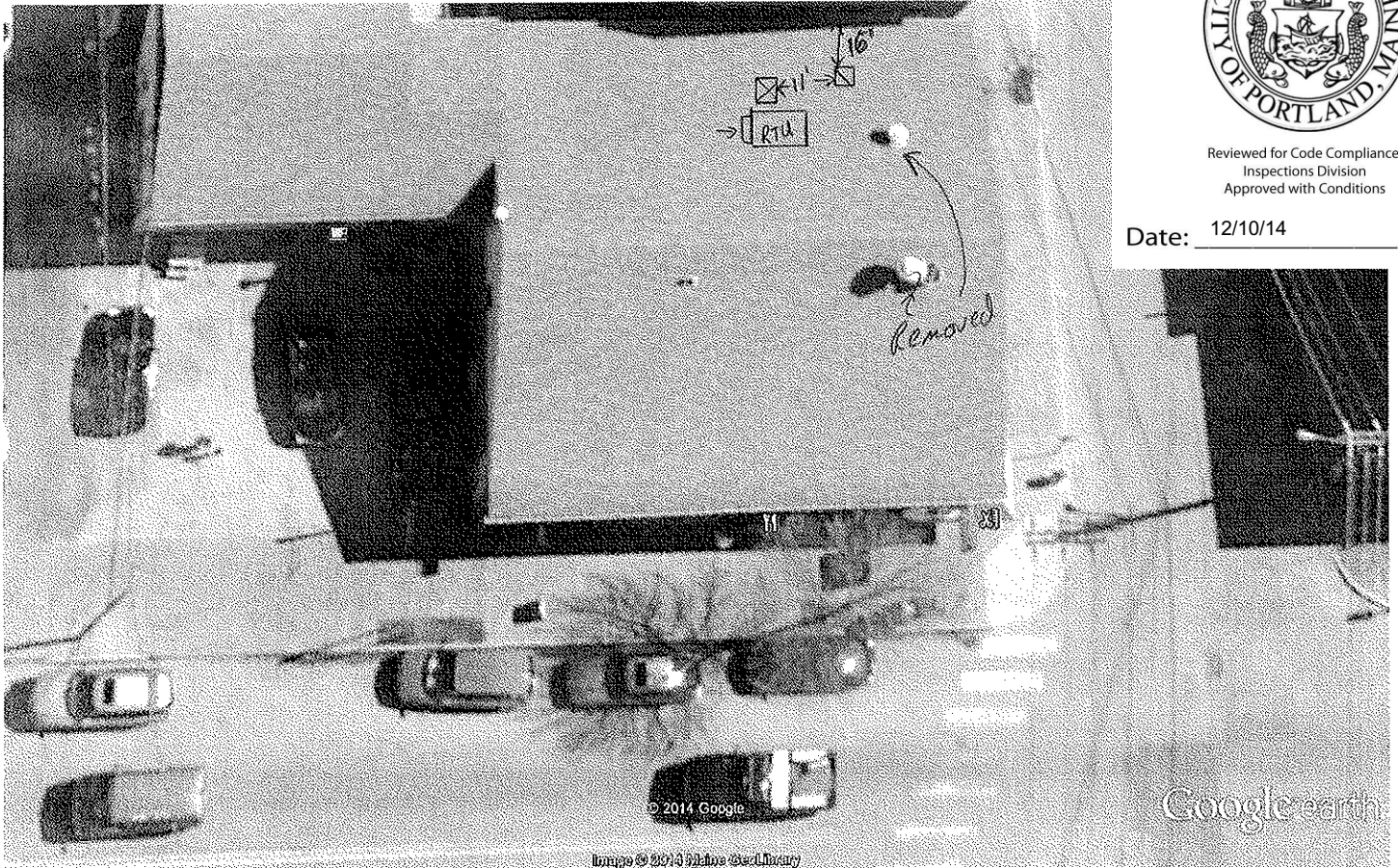




Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 12/10/14



Google earth





Reviewed for Code Compliance
Inspections Division
Approved with Conditions



PORTLAND MAINE

Date: 12/10/14

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Jeff Levine, AICP, Director
Director of Planning and Urban Development

Tammy Munson
Director, Inspections Division

Electronic Signature and Fee Payment Confirmation

Notice: Your electronic signature is considered a legal signature per state law.

By digitally signing the attached document(s), you are signifying your understanding this is a legal document and your electronic signature is considered a *legal signature* per Maine state law. You are also signifying your intent on paying your fees by the opportunities below.

I, the undersigned, intend and acknowledge that no permit application can be reviewed until payment of appropriate permit fees are *paid in full* to the Inspections Office, City of Portland Maine by method noted below:

Within 24-48 hours, upon receipt of an e-mailed invoice from Building Inspections, which signifies that my electronic permit application and corresponding paperwork have been received, determined complete, entered by an administrative representative, and assigned a permit number, I then have the following four (4) payment options:

- to provide an on-line electronic check or credit/debit card (we now accept American Express, Discover, VISA, and MasterCard) payment (along with applicable fees beginning July 1, 2014),
- call the Inspections Office at (207) 874-8703 and speak to an administrative representative to provide a credit/debit card payment over the phone,
- hand-deliver a payment method to the Inspections Office, Room 315, Portland City Hall,
- or deliver a payment method through the U.S. Postal Service, at the following address:

City of Portland
Inspections Division
389 Congress Street, Room 315
Portland, Maine 04101

Once my payment has been received, this then starts the review process of my permit. *After all approvals have been met and completed, I will then be issued my permit via e-mail.* No work shall be started until I have received my permit.

Applicant Signature: Wot Spuman Date: 11/19/2014

I have provided digital copies and sent them on: attached Date: 11/19/2014

NOTE: All electronic paperwork must be delivered to buildinginspections@portlandmaine.gov or by physical means ie; a thumb drive or CD to the office.

Room 315 - 389 Congress Street- Portland, Maine 04101 (207) 874-8703 - Fax: 874-8716 - TTY: 874-8936



FILL IN AND SIGN WITH INK



HVAC / Power Equipment Checklis

Reviewed for Code Compliance
Inspections Division
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Date: 12/10/14

All of the following information is required and must be submitted. Checking off each item as you prepare your application package will ensure your package is complete and will help to expedite the permitting process.

- A floor plan that includes structural details, size and dimensions of the floor the equipment is going to be installed.
- Information on how the unit is being vented & hanging details if appropriate.
- Details of the specific equipment being installed; ie; specifications and any heating technical specifications. Often this information can be obtained from the manufacturer's spec sheet or retail advertisements.
- A plot plan showing the shape and dimension of the lot, with the distance from the actual property lines, and the principal structure.
- Proof of ownership is required if it is inconsistent with the assessors records.

**All HVAC installations must be conducted in compliance with the
IRC 2009 Building Code**

Separate permits are required for plumbing and electrical installations, as required.

Separate permits are also required based on different properties (different Chart, Block and Lot.)

Permit Fee: \$25.00 for the first \$1000.00 construction cost, \$11.00 per additional \$1000.00 cost

This is not a Permit; you may not commence any work until the Permit is issued.



FILL IN AND SIGN WITH INK

Application for Heating, Ventilation, Air Condition (HVAC) Cooking or Power Equipment



Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 12/10/14

To the Inspector of Buildings, Portland Maine:

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

Address/CBL: 47 INDIA STREET, PTLD Use of Building: RETAIL/GROCIER Date: 11/19/2014
 Name and Address of Owner: INDIA MIDDLE ST. JUNCTION LLC 207 FORE ST. #12 PTLD, ME 04101 J. PORTA
 Phone Number Owner: 207-553-1701 E-Mail: Owner: JPORTA@BOULOS.COM
 Name and Address of Installer: HVAC SERVICES 73 BRADLEY DR. WESTBROOK, ME 04092
 Phone Number Installer: 207-854-4822 E-Mail: Installer: BGRASS@HVACSERV.COM

<p>Location of Appliance:</p> <p><input type="checkbox"/> Basement <input type="checkbox"/> Floor</p> <p><input type="checkbox"/> Attic <input checked="" type="checkbox"/> Roof</p> <p>Type of Fuel:</p> <p><input checked="" type="checkbox"/> Gas <input type="checkbox"/> Oil <input type="checkbox"/> Solid</p> <p>Appliance Name: <u>TRANE GAS / ELECTRIC</u></p> <p>UL Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Will appliance be installed in accordance with the manufacturer's installation instructions? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Type of License of Installer: Master Plumber #: _____</p> <p>Solid Fuel #: _____</p> <p>Oil #: _____</p> <p>Gas #: <u>PNT 1058 (ERIC)</u></p> <p>Other: _____</p>	<p>Type of Venting: <i>(Plan required for submittal)</i></p> <p><input type="checkbox"/> Masonry Lined</p> <p><input type="checkbox"/> Factory Built: <u>N/A</u></p> <p><input type="checkbox"/> Metal</p> <p><input type="checkbox"/> Factory Built UL Listing: _____</p> <p><input type="checkbox"/> Direct Vent</p> <p>Type: _____ UL #: _____</p> <p># of Tanks: <u>N/A</u></p> <p>Type of Fuel Tank:</p> <p><input type="checkbox"/> Gas <input type="checkbox"/> Oil</p> <p>Size of Tank: _____</p> <p>Distance from tank to center of flame: _____</p> <p>Cost of Work: \$ <u>31,450</u></p> <p>Permit Fee: \$ _____</p>
--	--

Signature of Installer:

E-Mail: DSHUMAN@HVACSERV.COM



FILL IN AND SIGN WITH INK

Application for Heating, Ventilation, Air Condition (HVAC) Cooking or Power Equipment



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Phone Number Owner: 207-553-1701 E-Mail: Owner: JPORTA@BOULOS.COM

Name and Address of Installer: HVAC SERVICES 73 BRADLEY DR. WESTBROOK, ME 04092

Phone Number Installer: 207-854-4822 E-Mail: Installer: BGRASS@HVACSERV.COM

<p>Location of Appliance:</p> <p><input type="checkbox"/> Basement <input type="checkbox"/> Floor</p> <p><input type="checkbox"/> Attic <input checked="" type="checkbox"/> Roof</p> <p>Type of Fuel:</p> <p><input checked="" type="checkbox"/> Gas <input type="checkbox"/> Oil <input type="checkbox"/> Solid</p> <p>Appliance Name: TRANE GAS / ELECTRIC</p> <p>UL Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Will appliance be installed in accordance with the manufacturer's installation instructions? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Type of License of Installer: Master Plumber #: _____</p> <p>Solid Fuel #: _____</p> <p>Oil #: _____</p> <p>Gas #: PNT 1058 (ERIC)</p> <p>Other: _____</p>	<p>Type of Venting: (Plan required for submittal)</p> <p><input type="checkbox"/> Masonry Lined</p> <p><input type="checkbox"/> Factory Built: N/A</p> <p><input type="checkbox"/> Metal</p> <p><input type="checkbox"/> Factory Built UL Listing: _____</p> <p><input type="checkbox"/> Direct Vent</p> <p>Type: _____ UL #: _____</p> <p># of Tanks: N/A</p> <p>Type of Fuel Tank:</p> <p><input type="checkbox"/> Gas <input type="checkbox"/> Oil</p> <p>Size of Tank: _____</p> <p>Distance from tank to center of flame: _____</p> <p>Cost of Work: \$ 31,450</p> <p>Permit Fee: \$ 366.00</p>
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Signature of Installer:

E-Mail: DSHUMAN@HVACSERV.COM



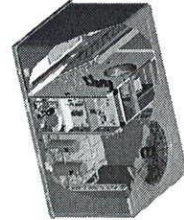
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Installation Guide

*RTU -
17 1/2 ton ceiling*

Precedent™ Cooling & Gas/Electric 3-10 Ton Packaged Rooftop Units



Model number description

TSC	Standard Efficiency Cooling Only (Electric Heat Optional)
THC	High Efficiency Cooling Only (Electric Heat Optional)
YSC	Standard Efficiency Gas Heat Unit
YHC	High Efficiency Gas Heat Unit

September 2013

RT-PRC037-EN
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Table 2. 3-10 ton packaged rooftop performance data (gas or electric heat)

Nominal Size (Tons)	Standard Efficiency					High Efficiency										
	3	4	5	6	7.5 Single Compressors	7.5 Dual Compressors	8.5	10	3	4	5	6	7.5 Dual Compressors	8.5	10	
Cooling Performance																
Supply Air (cfm) ^(a)	1,200	1,600	2,000	2,400	3,000	3,000	3,400	4,000	1,200	1,600	2,000	2,100	2,400	2,720	3,500	
Tot. / Sens Cap (MBh) ^{(b),(c)}	37.2/27.8	49.4/37.3	62.3/48.1	75.0/53.2	89.0/67.34	94.0/69.1	102.1/76.7	119/92.7	37.6/27.9	49.9/37.0	61.0/45.4	72/53	92/63.3	104/82	119/89	
SEER/EER	13.0	13.0	13.0	11.2	11.2	11.2	11.2	11.3	15.0	15.0	15.0	12.6	12.6	12.5	12.5	
IEER ^(d)	N/A	N/A	N/A	13.0	12.2	13.0	13.0	13.0	N/A	N/A	N/A	14.5	14.5	14.7	14.7	
Gas Heating Performance^(d)																
Low Heat (Input/output) - (MBh)	60.0/48.0	60.0/48.0	60.0/48.0	80.0/64.0	120/96	120.0/96.0	120.0/96.0	150.0/120.0	60.0/48.0	60.0/48.0	60.0/48.0	80/64	120/96	120/96	150/120	
Medium Heat (Input/output) - (MBh)	80.0/64.0	80.0/64.0	80.0/64.0	120.0/96.0	150/120	150.0/120.0	150.0/120.0	200.0/160.0	80.0/64.0	80.0/64.0	80.0/64.0	120/96	150/120	150/120	200/160	
High Heat (Input/output) - (MBh)	120.0/96.0	120.0/96.0	130.0/104.0	150.0/120.0	200/160	200.0/160.0	200.0/160.0	250.0/200.0	120.0/96.0	120.0/96.0	130.0/104.0	150/120	200/160	200/160	250/200	
Other Information																
Net Weight (Lbs) - Gas Heat	532	563	613	720	767	847	904	1058	532	711	755	822	1026	1035	1359	
Net Weight (Lbs) - Electric Heat	480	511	561	667	686	797	856	960	480	642	679	740	928	937	1252	
Unit Cabinet Size	BAYCURB042A		B		BAYCURB043A		D		BAYCURB042A		C		BAYCURB043A		D	
Filters ^(e) - Type Furnished	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway
Number Size Recommended	(2) 20x30x2	(2) 20x30x2	(2) 20x30x2	(4) 16x25x2	(4) 16x25x2	(4) 20x25x2	(4) 20x25x2	(4) 20x25x2	(2) 20x30x2	(2) 16x25x2	(4) 16x25x2	(4) 20x25x2	(4) 20x25x2	(4) 20x25x2	(3) 20x25x2	(2) 20x30x2

(a) Nominal cfm
(b) Cooling Performance is rated at 80/67/95
(c) All units are field wired for 3-phase voltage
(d) SZVAV and Multi-Speed Indoor fan IEER 7.5T - 15.0, 8.5T - 15.2, 10T, 15.0
(e) Optional 2" MERV 8 and MERV 13 filters also available

Table 1. List of factory installed options^(a)

0-50% Motorized Outside Air Damper	LonTalk® Communication Interface (LCI)
BackET™ Communication Interface (BCEI-R)	Manual Outside Air Damper
Barometric Relief	MERV 8 Filters
Belt Drive Motor	MERV 13 Filters
Black Epoxy Pre-Coated Condenser Coil	Multi-Speed Indoor Fan
Clogged Filter Switch	NOVAR 2024 Controls
Complete Coat™ (Microchannel Condenser Coil)	NOVAR 3051 Controls Without Zone Sensor
Condensate Overflow Switch	NOVAR 3051 Zone Sensor
Crankcase Heater	NOVAR Return Air Sensor
Dehumidification	Powered Convenience Outlet
Delivered VAV	ReliaTaj™ Controls
Demand Control Ventilation Wiring	Single Zone Variable Air Volume (SZVAV)
Discharge Air Sensing Tube	Stainless Steel Drain Pan
Economizer - Comparative Enthalpy	Stainless Steel Heat Exchanger
Economizer - Dry Bulb	Supply, Return, and Plenum Air Smoke Detectors
Economizer - Reference Enthalpy	Through-the-Base Electric Provision
Fan Failure Switch	Through-the-Base Gas Provision
Froststat™	Trane® Communication Interface (TCI)
Hall Guard	Unit Mounted Circuit Breaker
Hinged Access Panels	Unit Mounted Non-Fused Disconnect
Human Interface - 5 inch Color Touchscreen	Unpowered Convenience Outlet

(a) Verify option availability in product catalog.



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MOP electrical data (standard indoor fan motor) (gas or electric heat)

MCA	MOP	T/Y/HC	Volts	MCA	MOP
28.8	45		208-230/1	28.3	45
21.4	30		208-230/3	20.6	30
10.1	15	036	460/3	11.0	15
8.0	15		575/3	7.9	15
36.8	50		208-230/1	37.3	50
24.1	35	048	208-230/3	27.2	40
11.5	15		460/3	12.8	15
8.6	15		575/3	9.8	15
27.4	60		208-230/1	41.4	60
12.3	15	060	208-230/3	30.0	45
8.9	8.9		575/3	10.2	15
36.5	50		208-230/3	32.3	50
18.2	25	072	460/3	15.1	20
12.7	20		575/3	12.7	15
38.2	60		208-230/3	41.9	50
19.5	30	092	460/3	19.9	25
14.7	20		575/3	16.6	20
39.3	50		208-230/3	42.0	50
18.5	20	102	460/3	21.6	25
15.5	20		575/3	16.5	20
43.3	50		208-230/3	48.9	60
21.4	25	120	460/3	22.1	30
16.8	20		575/3	16.8	20
49.6	60		208-230/3	52.7	30
22.7	30		460/3	22.7	25
18.9	25		575/3	18.9	25

Table 5. Unit dimensional data

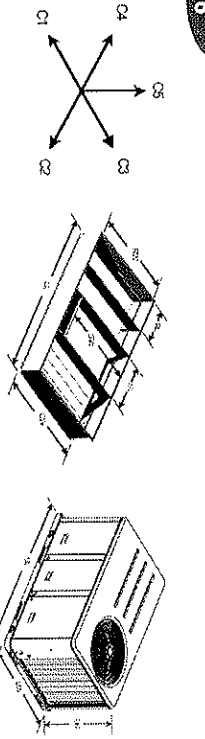
	B	C	D	E
Unit Length UL	69 7/8	88 5/8	88 5/8	99 11/16
Unit Width UW	44 1/4	53 1/4	53 1/4	63 3/16
Unit Height UH	36 1/4	40 7/8	46 7/8	50 7/8
Clearance C1	48	48	48	48
Clearance C2	35	36	36	36
Clearance C3	36	36	36	36
Clearance C4	36	36	36	36
Clearance C5	72	72	72	72
Curb Length CL	65 13/16	84 1/2	84 1/2	84 1/2
Curb Width CW	41 7/16	50 3/8	50 3/8	60 3/8
Supply Length SL ^(a)	16 3/4	18 1/2	18 1/2	18 1/2
Supply Width SW ^(a)	17 7/8	34 3/8	34 3/8	34 3/8
Return Length RL ^(a)	14 9/16	18 1/4	18 1/4	18 1/4
Return Width RW ^(a)	25 3/16	34 3/8	34 3/8	34 3/8

(a) Dimensions are for curb openings and not duct inserts. Reference the product catalog for duct insert dimensions.

Table 4. Unit indoor fan data (gas or electric heat)

T/Y/SC	Volts	Standard HP - RPM	Overize HP - RPM	T/Y/HC	Volts	Standard HP - RPM	Overize HP - RPM
208-230/1 ^(a)	3/4 - MULT	---	---	208-230/1 ^(a)	3/4 - MULT	---	---
208-230/3	1 - 1725	---	---	208-230/3	1 - FIXED	---	---
460/3	---	---	---	460/3	1 - FIXED	---	---
575/3	---	---	---	575/3 ^(a)	3/4 - MULT	---	---
208-230/1 ^(a)	1 - MULT	---	---	208-230/1 ^(a)	1 - FIXED	---	---
208-230/3	1 - 1725	---	---	208-230/3	1 - FIXED	---	---
460/3	---	---	---	460/3	1 - FIXED	---	---
575/3	---	---	---	575/3	1 - FIXED	---	---
208-230/1 ^(a)	1 - MULT	2/1750	---	208-230/1 ^(a)	3/4 - MULT	---	---
208-230/3	1 - 1725	---	---	208-230/3	1 - FIXED	---	---
460/60/3	---	---	---	460/1 ^(a)	3/4 - MULT	---	---
575/3	---	---	---	460/3	1 - FIXED	---	---
575/3	---	---	---	575/1 ^(a)	3/4 - MULT	---	---
575/3	---	---	---	575/3	1 - FIXED	---	---
208-230/3	1/1750	2/1750	---	208-230/1 ^(a)	3/4 - MULT	---	---
460/3	1/1750	2/1750	---	208-230/3	1 - FIXED	---	---
575/3	1/1750	2/1750	---	460/1 ^(a)	3/4 - MULT	---	---
575/3	1/1750	3/1750	---	460/3	1 - FIXED	---	---
575/3	1/1750	3/1750	---	575/1 ^(a)	3/4 - MULT	---	---
575/3	1/1750	3/1750	---	575/3	1 - FIXED	---	---
208-230/3	1/1750	3/1750	2.0 - 1725	208-230/3	1 - 1725	2.0 - 1725	2.0 - 1725
460/3	1/1750	3/1750	---	460/3	1 - 1725	---	---
575/3	2/1750	3/1750	---	575/3 ^(a)	3.6 - MULT	---	---
575/3	2/1750	3/1750	---	575/3 ^(a)	3.6 - MULT	---	---
208-230/3 ^(a)	3/75 - MULT	---	---	208-230/3 ^(a)	3.75 - MULT	---	---
460/3	---	---	---	460/3 ^(a)	3.6 - MULT	---	---
575/3	---	---	---	575/3 ^(a)	3.6 - MULT	---	---
575/3	---	---	---	575/3 ^(a)	3.6 - MULT	---	---

- (a) Direct drive motor
- (b) Powered through 575/230V transformer
- (c) Powered through 575/480V transformer



The manufacturer optimizes the performance of homes and buildings around the world. A business of Ingersoll Rand, the leader in creating and sustaining safe, comfortable and energy efficient environments, the manufacturer offers a broad portfolio of advanced controls and HVAC systems, comprehensive building services, and parts. For more information, visit www.fRCO.com. The manufacturer has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.