

City of Portland, Maine - Building or Use Permit Application

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

PERMIT ISSUED

JUN 26 2006

Permit No: 06-0877 Issue Date: 06-26-2006 CBL: 238A A005001

Location of Construction: 2273 CONGRESS ST	Owner Name: REW REALTY LLC	Owner Address: PO BOX 3889	Phone:
Business Name:	Contractor Name: Avery Services, Inc.	Contractor Address: 7 Thomas Drive Westbrook	Phone: 2077728687
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone:

Past Use: Commercial	Proposed Use: Commercial/ install a carrier Furnace & A/C unit removing existing equip from above ceiling	Permit Fee: \$219.00	Cost of Work: \$21,679.00	CEO District: 3
Proposed Project Description: install a carrier Furnace & A/C unit removing existing equip from above ceiling		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied NFPA 90 B		INSPECTION; Use Group: HVAC Type:
		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>
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: Idobson	Date Applied For: 06/19/2006	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: _____	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 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

City of Portland, Maine - Building or Use Permit

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

Permit No: 06-0877	Date Applied For: 06/19/2006	CBL: 238A A005001
------------------------------	--	-----------------------------

Location of Construction: 2273 CONGRESS ST	Owner Name: REW REALTY LLC	Owner Address: PO BOX 3889	Phone:
Business Name:	Contractor Name: Avery Services, Inc.	Contractor Address: 7 Thomas Drive Westbrook	Phone (207) 772-8687
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Commercial/ install a carrier Furnace & A/C unit removing existing equip from above ceiling	Proposed Project Description: install a carrier Furnace & A/C unit removing existing equip from above ceiling
---	---

Dept: Building	Status: Approved	Reviewer: Mike Nugent	Approval Date: 06/22/2006
Note: 1) No structural implications and existing ductwork			Ok to Issue: <input type="checkbox"/>
Dept: Fire	Status: Approved with Conditions	Reviewer: Cptn Greg Cass	Approval Date: 06/20/2006
Note: 1) Install shall comply with NFPA 90 B			Ok to Issue: <input type="checkbox"/>

Comments: 6/21/2006-mjn: left a message for doug from avery services , have a question regarding submissions
--

City of Portland, Maine - Building or Use Permit

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

Permit No: 06-0877	Date Applied For: 06/19/2006	CBL: 238A A005001
------------------------------	--	-----------------------------

Location of Construction: 2273 CONGRESS ST	Owner Name: REW REALTY LLC	Owner Address: PO BOX 3889	Phone:
Business Name:	Contractor Name: Avery Services, Inc.	Contractor Address: 7 Thomas Drive Westbrook	Phone (207) 772-8687
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Commercial/ install a carrier Furnace & A/C unit removing existing equip from above ceiling	Proposed Project Description: install a carrier Furnace & A/C unit removing existing equip from above ceiling
---	---

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Cptn Greg Cass **Approval Date:** 06/20/2006
Note: **Ok to Issue:**
1) Install shall comply with NFPA 90 B

Comments:

6/21/2006-mjn: left a message for doug from avery services , have a question regarding submissions

PROPOSAL

1200

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

Page 1 of 2

FAX (207) 874-0933

TO: Portland Board of Realtors
Attn: Kelly Craig
585 Brighton Avenue
Portland ME 04102

PHONE 775-1097	DATE 5/17/06
JOB NUMBER DCA #680433	JOB PHONE (F) 774-8880

We hereby submit specifications and estimates for:

Avery Services, Inc. is pleased to quote, as requested, on the replacement of your existing HVAC systems. Scope of work to include:

- Remove and dispose of your existing fan coils, refrigerant piping, and condensers, as per EPA laws.
- Supply and install two (2) Carrier 58MVB (2-stage) Hi-efficiency gas furnaces *with* variable speed blowers (12 time quieter and uses 80% less electricity than a standard unit) set in mechanical closets, as per plan and site visit.
- Supply and install one (1) cooling coil for each furnace (one (1) 5-ton, and one (1) 3-ton).
- Supply and install one (1) Carrier 24ANA7, 5-ton (2-speed) Puron condenser for the store/classroom/kitchen area, one (1) Carrier 24ANA7, 3-ton (2-speed) Puron condenser for the offices/conference room areas; includes: reuse of existing disconnects, whips (if adequate), and new interconnecting refrigerant piping. Condensers to be set on existing concrete pads.
- Supply and install one (1) Carrier mechanical air cleaner and PHI cell air purifier for each system.
- Supply and install PVC flue/vent lines from the furnaces out the sidewall of the building.
- Supply and install gas piping fi-om a regulator to the furnaces (regulator/tanks to be supplied by others).
- Supply and install a Carrier Infinity Zone System for each system, the store/classroom/kitchen - with two (2) zones, and the offices conference room - with three (3) zones; includes two (2) Master Controls, three (3) remote room sensors, low voltage wiring, and dampers (this will allow you to have independent dehumidification features).
- Tie in new units to existing duct work system, with some minor modifications and replace existing diffusers..
- Price includes; Start up and test, freight, taxes, and permit.

We Propose hereby to furnish material and labor — complete in accordance with the above specifications, for the sum of Cont'd dollars (\$ Cont'd).

Payment to be made as follows

25% upon acceptance - Progress billing/net ten (10) 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 added.

All materials 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 Workers Compensation insurance

Authorized Signature

Note This proposal may be withdrawn by us if not accepted within

30 days.

Signature

Signature

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

6/2/06

PROPOSAL

1200

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

Page 2 of 2

FAX (207) 874-0933

TO: Portland Board of Realtors
Attn: Kelly Craig
585 Brighton Avenue
Portland ME 04102

PHONE 775-1097	DATE 5/17/06
JOB NAME / LOCATION HVAC System Replacements at 2271 Congress Street, Portland, ME	
JOB NUMBER DCA #680433	JOB PHONE (F) 774-8880

We hereby submit specifications and estimates for:

EXCLUSIONS: Structural, power wiring, carpentry, soffiting, ceiling work, painting, fire dampers, and adequacy of existing systems.

D.P.
Pd. \$5,419.75
ck. #8685

We Propose hereby to furnish material and labor — complete in accordance with the above specifications, for the sum of:

Twenty One Thousand Six Hundred Seventy Nine and 00/100 Dollars dollars (\$) **21,679.00**

Payment to be made as follows

25% upon acceptance - Progress billing/net ten (10) 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

manor involving no extra charges. Only alterations or deletions from above are 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 Workers Compensation insurance.

Signature

Note: This proposal may be withdrawn by us if not accepted within

30 days.

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.

Signature

Signature

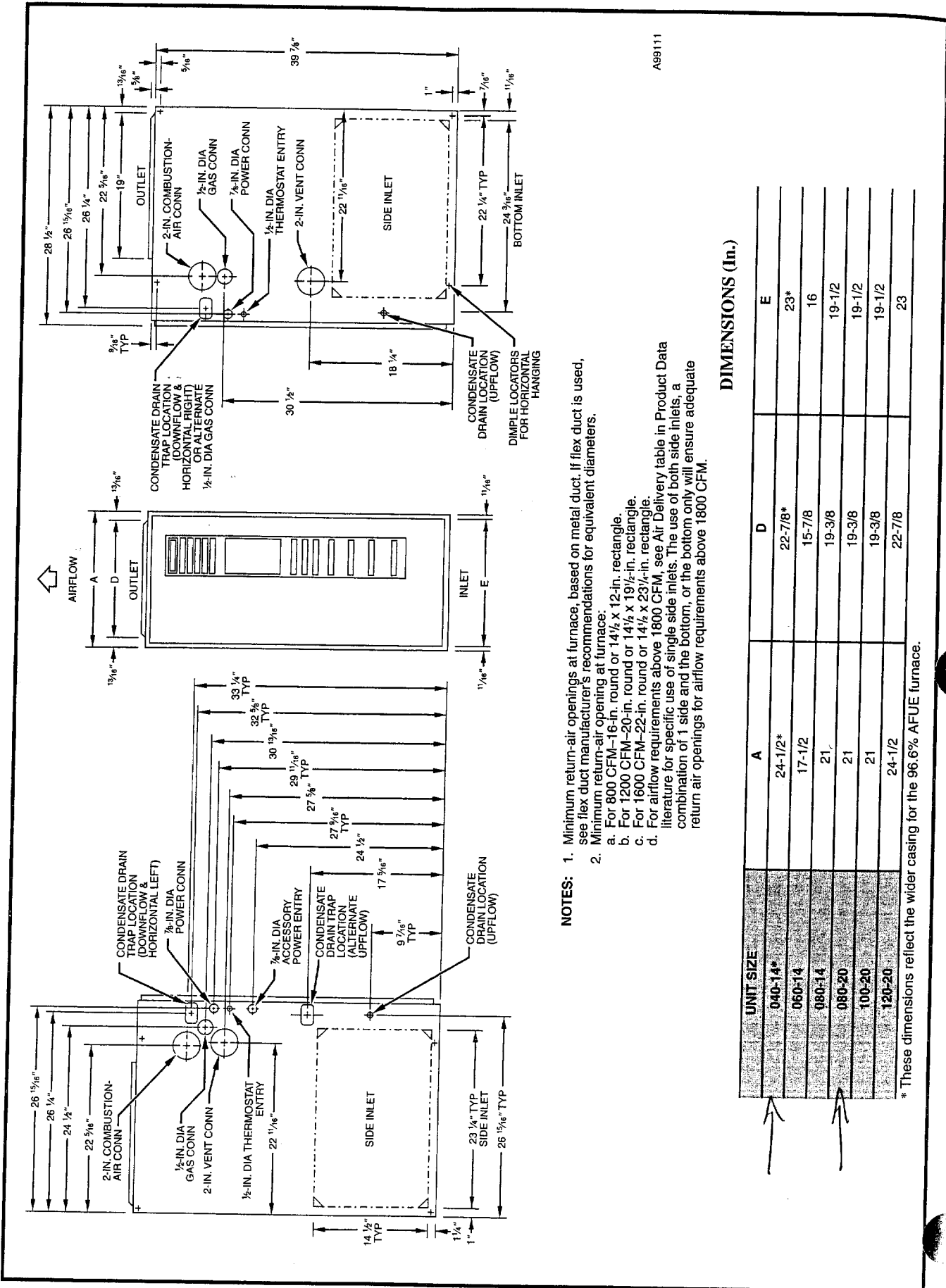
Date of Acceptance 6/2/06

Physical data

UNIT SIZE			040-14	060-14	080-14	080-20	100-20	120-20
OUTPUT CAPACITY BTUH* (ICS) (Shaded capacities are specified on rating plate)	Low	Upflow	25,000	37,000	49,000	49,000	61,000	73,000
		Downflow	25,000	36,000	49,000	49,000	61,000	73,000
		Horizontal	25,000	36,000	49,000	49,000	61,000	73,000
	High	Upflow	38,000	57,000	75,000	75,000	94,000	113,000
		Downflow	37,000	56,000	75,000	75,000	94,000	113,000
		Horizontal	37,000	56,000	75,000	75,000	93,000	112,000
AFUE%*	Upflow	96.6	94.1	94.1	94.1	94.1	94.1	
	Downflow	95.0	92.7	92.7	92.7	92.7	92.7	
	Horizontal	96.1	93.7	93.7	93.7	93.7	93.7	
INPUT BTUH†	Low	26,000	39,000	52,000	52,000	65,000	78,000	
	High	40,000	60,000	80,000	80,000	100,000	120,000	
SHIPPING WEIGHT (Lb)		205	170	182	204	203	234	
CERTIFIED TEMP RISE RANGE (°F)	Low	25 — 55	50 — 80	50 — 80	50 — 80	50 — 80	50 — 80	
	High	30 — 60	35 — 65	35 — 65	35 — 65	45 — 75	45 — 75	
CERTIFIED EXT STATIC PRESSURE (ESP) (In. wc)	Heating	0.10	0.12	0.15	0.15	0.20	0.20	
	Cooling	0.50	0.50	0.50	0.50	0.50	0.50	
AIRFLOW CFM‡	Heating Low	585(690**)	500 (590**)	720 (850**)	705 (830**)	920 (1085**)	1160 (1370**)	
	Heating High	800	1065	1500	1500	1525	1880	
	Cooling (Max)	1400	1400	1395	1990	2000	2100	
LIMIT CONTROL	SPST							
HEATING BLOWER CONTROL (Off Delay)	Selectable 90, 120, 150, or 180 Sec Intervals							
BURNERS (Monoport)	2	3	4	4	5	6		
GAS CONNECTION SIZE	1/2-in. NPT							
GAS VALVE (Redundant) Manufacturer	White-Rodgers							
Minimum Inlet Pressure (In. wc)	4.5 (Natural Gas)							
Maximum Inlet Pressure (In. wc)	13.6 (Natural Gas)							
IGNITION DEVICE	Hot Surface							

Physical data

UNIT SIZE	040-14	060-14	080-14	080-20	100-20	120-20
M)	1/2	1/2	1/2	1	1	1
RPM (Nominal) — SPEEDS	Variable 250 — 1300					
BLOWER WHEEL DIAMETER x WIDTH (In.)	11 x 10	10 x 7	11 x 10	11 x 10	11 x 10	11 x 10
FILTER SIZE (In.) NOMINAL (Washable)	(1) 24 x 25 x 1	(1) 16 x 25 x 1	(1) 20 x 25 x 1	(1) 20 x 25 x 1	(1) 20 x 25 x 1	(1) 24 x 25 x 1



A99111

NOTES:

- Minimum return-air openings at furnace, based on metal duct. If flex duct is used, see flex duct manufacturer's recommendations for equivalent diameters.
- Minimum return-air opening at furnace:
 - For 800 CFM-16-in. round or 14 1/2 x 12-in. rectangle.
 - For 1200 CFM-20-in. round or 14 1/2 x 19 1/2-in. rectangle.
 - For 1600 CFM-22-in. round or 14 1/2 x 23 1/4-in. rectangle.
 - For airflow requirements above 1800 CFM, see Air Delivery table in Product Data literature for specific use of single side inlets. The use of both side inlets, a combination of 1 side and the bottom, or the bottom only will ensure adequate return air openings for airflow requirements above 1800 CFM.

DIMENSIONS (In.)

UNIT SIZE	A	D	E
040-14*	24-1/2*	22-7/8*	23*
060-14	17-1/2	15-7/8	16
080-14	21	19-3/8	19-1/2
080-20	21	19-3/8	19-1/2
100-20	21	19-3/8	19-1/2
120-20	24-1/2	22-7/8	23

* These dimensions reflect the wider casing for the 96.6% AFUE furnace.

Physical data

UNIT SIZE - SERIES	024-30	036-30	037-30	048-30	060-31
OPERATING WEIGHT (Lb)	171	228	276	266	311
REFRIGERANT	Puron® (R-410A)				
Cooling Control	TXV				
Charge (Lb)	6.0	8.9	12.3	11.5	13.1
CONDENSER FAN	Propeller Type, Direct Drive				
Air Discharge	Vertical				
Air Qty (CFM)	1500	2500	2750†	3000	3100
Motor HP	1/15	1/8	1/5	1/5	1/5
Motor RPM	825	825	840†	825	825
CONDENSER COIL	Copper Tube, Aluminum Plate Fin				
Face Area (Sq Ft)	10.8	18.2	18.2	18.2	18.2
Fins per in.	25	25	20	20	20
Rows	1	1	2	2	2
Circuits	2/1	3/1	4/1	5/1	5/1
VALVE CONNECT. (In. ID)	Sweat				
Vapor	5/8	3/4	7/8	7/8	7/8
Liquid			3/8		
Vapor	5/8	3/4	7/8	7/8	1-1/8
Liquid			3/8		
LONG LINE REFRIGERANT TUBES (In. OD)					
Vapor	3/4	7/8	7/8	7/8	1-1/8
Liquid					

Accessories

ORDERING NO.	DESCRIPTION
KAACF0801MED	Coastal Filter — Sizes 024-060
KSASF0101AAA	Support Feet (4)
KSATX0201PUR	Bi-flow Balance Port TXV (Hard Shut Off)-Size 024
KSATX0301PUR	Bi-flow Balance Port TXV (Hard Shut Off)-Size 036
KSATX0401PUR	Bi-flow Balance Port TXV (Hard Shut Off)-Size 048
KSATX0501PUR	Bi-flow Balance Port TXV (Hard Shut Off)-Size 060

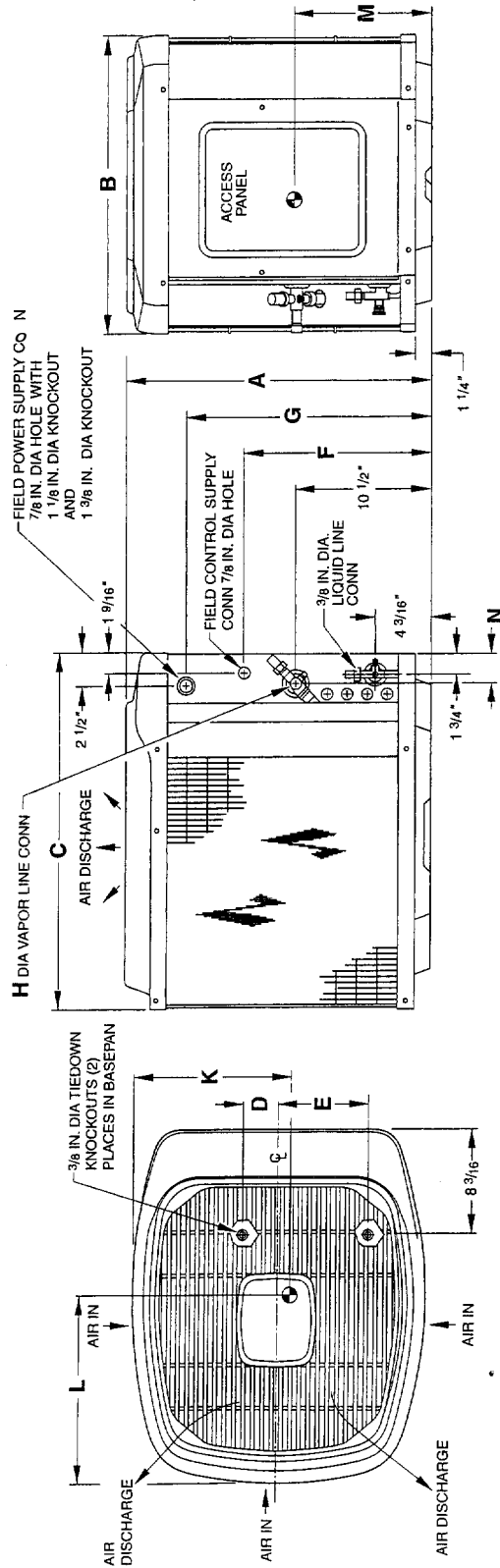
THERMOSTAT	DESCRIPTION
TSTATCCPRH01-B	Carrier Thermostat™ Control — Non-Programmable/Programmable Thermostat with Humidity Control (For use in Dual Fuel, AC, HP, and 2S applications. Includes Outdoor Air Temperature Sensor.)
TSTATCCP2S01-B	Carrier Thermostat, Auto Changeover, 7-Day Programmable, °F/°C, 2-Stage Heat/2-Stage Cool in AC Mode, 3-Stage Heat/2-Stage Cool in HP mode
TSTATCCN2S01-B	Carrier Thermostat, Auto Changeover, Non-Programmable, °F/°C, 2-Stage Heat/2-Stage Cool in AC Mode, 3-Stage Heat/2-Stage Cool in HP mode
TSTATXXSEN01-B	Outdoor Temperature Sensor
TSTATXXNBP01	Backplate for Non-Programmable Thermostat
TSTATXXPBP01	Backplate for Programmable Thermostat
TSTATXXCNV10	Thermostat Conversion Kit (4 to 5 Wire) — 10 Pack

INFINITY™ CONTROLS	DESCRIPTION
SYSTXCCUID01	Infinity Control Deluxe 7-Day Programmable (Wall-mounted system control.)
SYSTXCCUIZ01	Infinity Control Deluxe Zoning 7-Day Programmable (Wall-mounted control for a multi-zone system.)
SYSTXCC4ZC01	Infinity 4-Zone Damper Control Module (Wall-mounted control for a four-zone system.)
SYSTXCCSMS01	Infinity Smart Sensor (Optional wall control used to monitor temperature and/or fan control in an individual zone.)
SYSTXCCRRS01	Infinity Remote Room Sensor (Monitors temperature in an individual zone.)
SYSTXCCSAM01	Infinity System Access Module (Hardware for wireless access and control via phone or internet.)
SYSTXCCNIM01†	Infinity Network Interface Module (Connects Heat Recovery and Energy Recovery Ventilators or older two-speed outdoor models to system.)
SYSTXXBPU01	Decorative Back Plate for Infinity Control (Decorative wall plate.)

Dimensions

NOTES:

1. Allow 30 in. clearance to service side of unit, 48 in. above unit, 6 in. on one side, 12 in. on remaining side, and 24 in. between units for proper airflow.
2. Minimum outdoor operating ambient in cooling mode is 55°F max 125°F.
3. Series designation is the 13th position of the unit model number.
4. Center of gravity



A02207

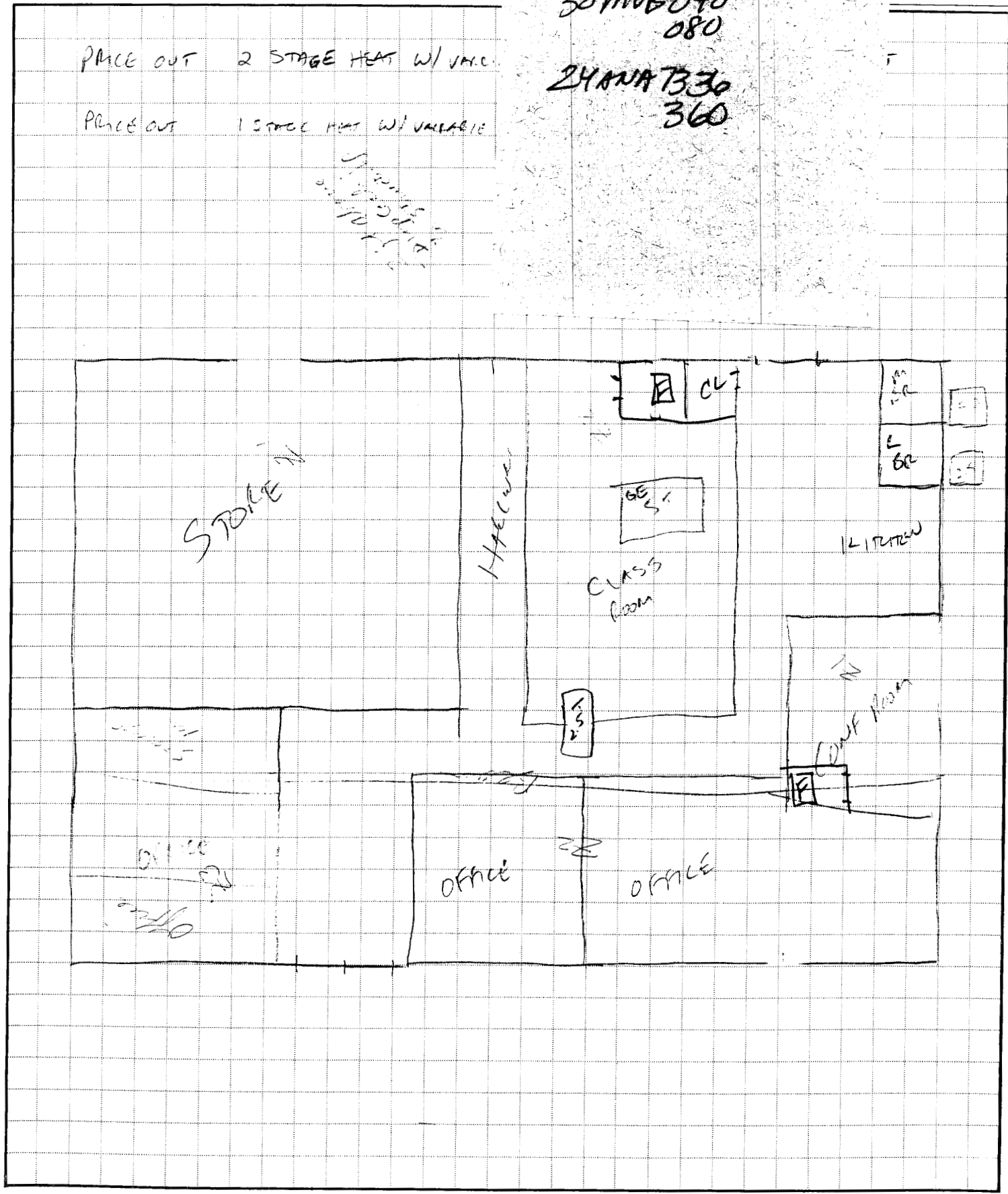
DIMENSIONS (IN.)

UNIT SIZE	SERIES	UNIT DIMENSIONS													MINIMUM MOUNTING PAD DIMENSIONS
		A	B	C	D	E	F	G	H	K	L	M	N		
024	030	33-13/16	22-1/2	27-1/2	2-13/16	6-15/16	21-1/2	27-7/8	5/8	11	14	12-1/2	2-3/8	20 x 27	
036	030	39-13/16	30	34-15/16	4	9-3/4	27-1/2	33-7/8	3/4	17	19-3/4	17-1/4	2-15/16	26 x 32	
037	030	39-13/16	30	34-15/16	4	9-3/4	27-1/2	33-7/8	7/8	16-3/4	19-1/2	17	2-15/16	26 x 32	
048	030	39-13/16	30	34-15/16	4	9-3/4	27-1/2	33-7/8	7/8	16-3/4	19-1/2	17	2-15/16	26 x 32	
060	031	39-13/16	30	34-15/16	4	9-3/4	27-1/2	33-7/8	7/8	16-1/2	19	16-3/4	2-15/16	26 x 32	

50 MVB 040
 080
 24ANA B30
 360

PRICE OUT 2 STAGE HEAT W/ VARC
 PRICE OUT 1 STAGE HEAT W/ VARC

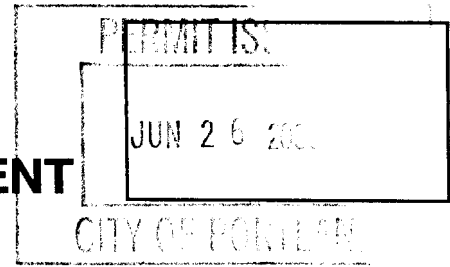
Handwritten notes:
 1. 207-879-9800
 2. 207-286-6102
 3. 207-772-8687
 4. 207-874-0933





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 238 AAS Use of Building offices/store Date 6/19/06
 Name and address of owner of appliance Portland Board of Realtors
2271 Congress St Portland, Me
 Installer's name and address Avery Services Inc
7 Thomas Drive Westbrook, Me 04092 Telephone 207-772-8687
 FAX 874-0933

Location of appliance:
 Basement Floor
 Attic Roof

Type of Fuel:
 Gas Oil Solid

Appliance Name: Carrier Furnaces A1 &
 U.L. Approved Yes No

Will appliance be installed in accordance with the manufacture's installation instructions? Yes No
Removing existing Equip from above Ceiling new units on concrete Floor
 IF NO Explain: _____

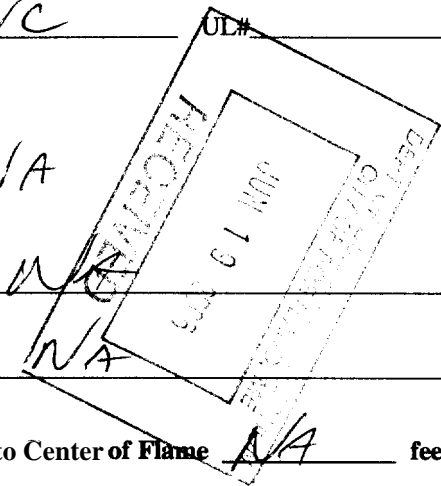
Type of Chimney:
 Masonry Lined
 Factory built NA
 Metal
 Factory Built U.L. Listing # NA
 Direct Vent
 Type PVC UL# _____

Type of Fuel Tank
 Oil NA
 Gas NA

Size of Tank NA
Number of Tanks NA

Distance from Tank to Center of Flame NA feet.

Cost of Work: \$ 21,679
Permit Fee: \$ _____



The Type of License of Installer:
 Master Plumber # _____
 Solid Fuel # _____
 Oil # _____
 Gas # PMT 1431
 Other _____

Approved
 Fire: _____
 Ele.: _____
 Bldg.: _____
 Signature of Installer Douglas C. Avery

Approved with Conditions
 See attached letter or requirement
 Inspector's Signature _____ Date Approved _____