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:
04-0914	PERMIT ISSUED	267 B001001

JUL 13 2004

CITY OF PORTLAND

Location of Construction:	Owner Name:	Owner Address:	Phone:
155 Riverside St	H J Associates Ltd	155 Riverside St	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Avery Services, Jnc.	7 Thomas Drive Westbrook	2077728687
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	**Zone:**
		HVAC	B-4

Past Use:	Proposed Use:	Permit Fee:	Cost of Work:	CEO District:
commercial	commercial replacement system, same footprint Wojo's	$120.00	$10,400.00	3

FIRE DEPT: ☑ Approved ☐ Denied

Signature:

INSPECTION: Use Group: R/A3 Type: NA

Signature:

Proposed Project Description:
commercial replacement system, same footprint

Action: ☐ Approved ☐ Approved w/Conditions ☐ Denied

Signature: Date:

Permit Taken By:	Date Applied For:
dmartin	07/01/2004

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
☐ Shoreland	☐ Variance	☑ Not in District or Landmark
☐ Wetland	☐ Miscellaneous	☐ Does Not Require Review
☐ Flood Zone	☐ Conditional Use	☐ Requires Review
☐ Subdivision	☐ Interpretation	☐ Approved
☐ Site Plan	☐ Approved	☐ Approved w/Conditions
Maj ☐ Minor ☐ MM ☐	☐ Denied	☐ Denied
Date: OK 7/6/04	Date:	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

FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT
HEATING OR POWER EQUIPMENT

PERMIT ISSUED
JUL 1 3 2004
CITY OF PORTLAND

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 267 B 1 Use of Building Convention Center Date 6-30-04

Name and address of owner of appliance LLP Corp 155 Riverside Street

Installer's name and address Avery Services Inc. 7 Thomas Dr Westbrook

Telephone 772 8687

Location of appliance:

- ☐ Basement
- ☐ Floor
- ☐ Attic
- ☑ Roof

Replacement System

Type of Fuel:

☑ Gas ☐ Oil ☐ Solid

Appliance Name: Carrier

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# PN+1431
- ☐ Other ____

Type of Chimney:

☐ Masonry Lined

Factory built ____

☐ Metal

Factory Built **U.L.** Listing # ____

direct Vent

Type ____ UL# ____

Type of Fuel Tank

- ☐ Oil
- ☑ Gas N/A

Size of Tank N/A

Number of Tanks N/A

Distance from Tank to Center of Flame ____ **feet.**

Cost of Work: $ 10,400 -

Permit Fee: $ 120.00

JUN 3 0 2004

Approved

Fire: [signature]

Ele.:

Bldg.: [signature]

Approved with Conditions

☐ *See* attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer [signature]

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

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Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Avery Services, Inc.	7 Thomas Drive Westbrook	(207) 772-8687
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		HVAC	

commercial replacement system, same footprint	commercial replacement system, same footprint

Dept: Zoning **Status:** Approved **Reviewer:** Marge Schmuckal **Approval Date:** 07/06/2004

Note: **Ok to Issue:** ☐

Dept: Building **Status:** Approved with Conditions **Reviewer:** Mike Nugent **Approval Date:** 07/12/2004

Note: **Ok to Issue:** ☑

1) New unit in the same locations as old unit and nearly 400 lbs. Lighter

Dept: Fire **Status:** Approved **Reviewer:** Lt. MacDougal **Approval Date:** 07/07/2004

Note: **Ok to Issue:** ☑

PROPOSAL 682

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

FAX (207) 874-0933

TO: LLP Corp
155 Riverside Street
Portland ME 04103

PHONE	DATE
775-6536	6/23/04
JOB NUMBER	JOB PHONE
MSD/	

We hereby submit specifications and estimates for:

>

Avery Services, Inc. is pleased to provide a quote to replace the failed RTU servicing the Cumberland Room with a new Carrier **Unit. Scope** of work as follows:

Remove and dispose of the existing Carrier Roof Top Unit.
Provide & install a Carrier 48TFE0 **012-A-5,** 10 Ton Roof Top Unit with an Econmizer.
Provide **and install an** Adaptor Curb.
Reconnect existing Gas Piping, Power Wiring and Low Voltage Wiring.
Start up & Test.

EXCLUSIONS: Adequacy of Existing Systems.

We Propose hereby to furnish material and labor — complete in accordance with the above specifications, for the sum of:
Ten Thousand Fow Hundred and 00/100 Dollars dollars ($ 10,400.00).

Payment to be made as follows:

25% upon Acceptance. Progress billing/net 10 days. All balances due upon 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.

Authorized Signature [signature] V.P.

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 ______________________

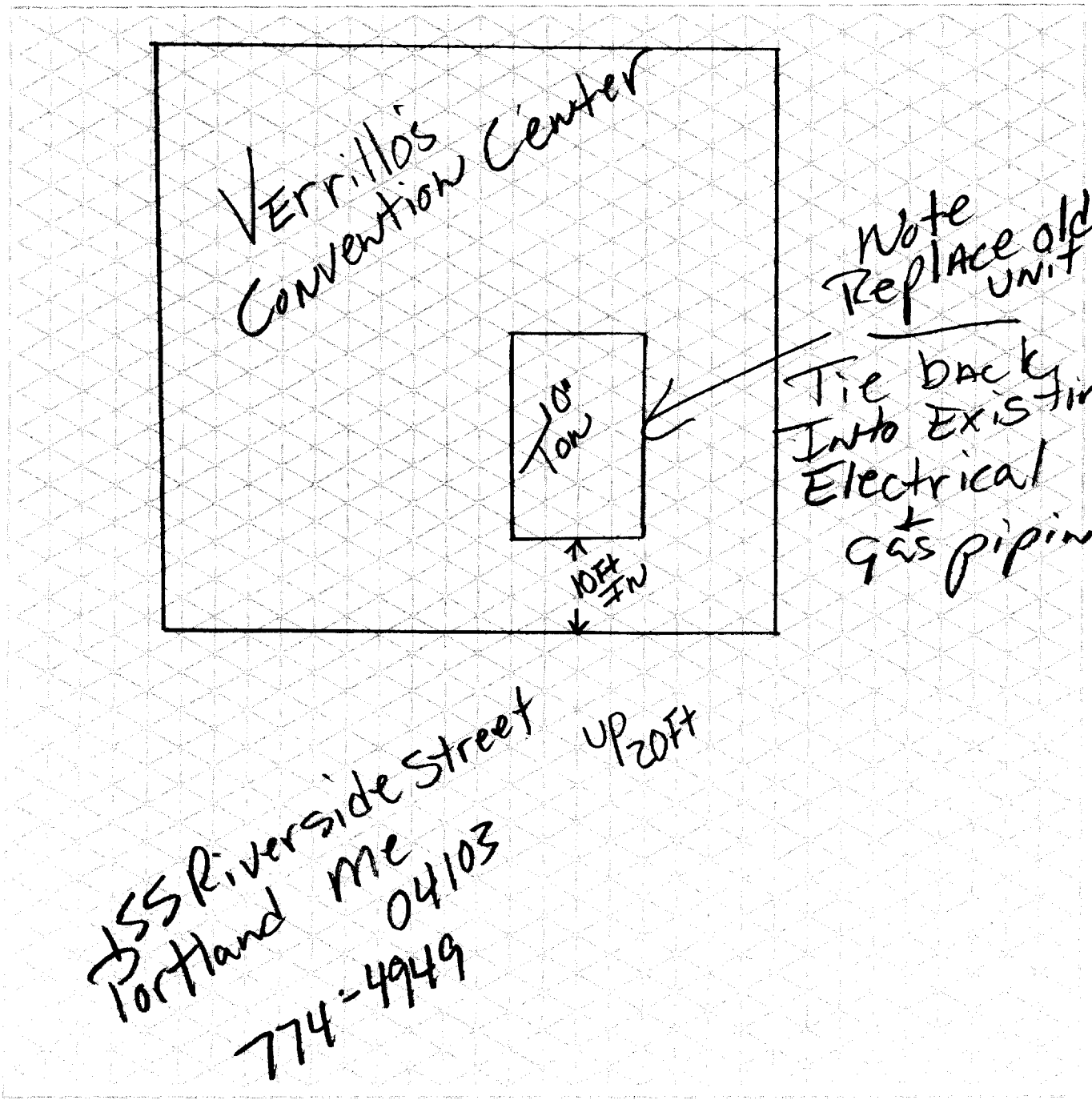
Signature ______________________

Date of Acceptance: ______________________

SPECIAL FITTING

Avery SERVICES, INC.
7 Thomas Drive
Westbrook, Maine 04092

FITTING NO. _____ **QUANTITY** _____



EST. BY_____ **SHEET #**_____ **OF**_____

VERILLO'S NEW UNIT

UNIT SIZE 48TF		D/E/F008	D/E/F009	D/E/F012	D/E014
NOMINAL CAPACITY (tons)		7½	8½	10	12½
OPERATING WEIGHT (lb)					
Unit					
Al/Al*		870	880	1035	1050
Al/Cu*		881	896	1057	1077
Cu/Cu*		893	907	1080	1100
Economizer		75	75	75	75
EconoMi$er2		143	143	143	143
Roof Curb†					
COMPRESSOR		Reciprocating	Reciprocating	Reciprocating	Scroll
Quantity		2	2	2	2
No. Cylinders (per Circuit)		2	2	2	—
Oil (oz)		42 ea	65 ea	54 ea	54 ea
REFRIGERANT TYPE					
Expansion Device		Fixed Orifice Metering Device			
Operating Charge (lb-oz)					
Circuit 1		5-1	6-14	7- 3	8-10
Circuit 2		5-1	9- 2	7-13	8- 6
CONDENSER COIL					
Rows...Fins/in.		1...17	2...17	2...17	2...17
Total Face Area (sq ft)		20.50	18.00	20.47	25.00
CONDENSER FAN		Propeller Type			
Nominal Cfm		6400	6400	7000	7000
Quantity...Diameter (in.)		2...22	2...22	2...22	2...22
Motor Hp...Rpm		¼...1100	¼...1100	¼...1100	¼...1100
Watts Input (Total)		600	600	600	600
EVAPORATOR COIL					
Rows...Fins/in.					
Total Face Area (sq ft)					
EVAPORATOR FAN			Centrifugal Type		
Quantity...Size (in.)	Std	1...15 x 15	1...15 x 15	1...15 x 15	1...15 x 15
	Alt	1...15 x 15	—	1...15 x 15	1...15 x 15
	High-Static	1...15 x 15	1...15 x 15	1...15 x 15	—
Type Drive	Std	Belt	Belt	Belt	Belt
	Alt	Belt	—	Belt	Belt
	High-Static	Belt	Belt	Belt	—
Nominal Cfm		3000	3100	4000	5000
Maximum Continuous Bhp	Std	2.40	2.40	2.40	3.70
	Alt	2.40	—	2.90	5.25
	High-Static	3.70	3.70	5.25	—
Motor Frame Size	Std	56	56	56	56
	Alt	56	—	56	56
	High-Static	56	56	56	—
	High-Static	1725	1725	1725	1725
Fan Rpm Range	Std	590-840	685-935	685-935	860-1080
	Alt	685-935	—	835-1085	900-1260
	High-Static	860-1080	860-1080	830-1130	—
Motor Bearing Type		Ball	Ball	Ball	Ball
Maximum Allowable Rpm		2100	2100	2100	2100
Motor Pulley Pitch Diameter Min/Max (In.)	Std	2.4/3.4	2.8/3.8	2.8/3.8	4.0/5.0
	Alt	2.8/3.8	—	3.4/4.4	3.1/4.1
	High-Static	4.0/5.0	4.0/5.0	2.8/3.8	—
Nominal Motor Shaft Diameter (In.)	Std	⅝	⅝	⅝	⅞
	Alt	½	—	⅞	⅞
	High-Static		⅞	⅞	—
Fan Pulley Pitch Diameter (in.)	Std	7.0	7.0	7.0	8.0
	Alt	7.0	—	7.0	5.9
	High-Static	8.0	8.0	5.8	—
Belt, Quantity...Type...Length (In.)	Std	1...A...49	1...A...49	1...A...49	1...A...52
	Alt	1...A...49	—	1...A...49	1...BX...46
	High-Static	1...A...55	1...A...55	1...BX...46	—
Pulley Center Line Distance (In.)	Std	16.75-19.25	16.75-19.25	15.85-17.50	15.85-17.50
	Alt	16.75-19.25	—	15.85-17.50	15.85-17.50
	High-Static	16.75-19.25	16.75-19.25	15.85-17.50	—
Speed Change per Full Turn of Movable Pulley	Std	50	50	50	44
	Alt	50	—	50	50
	High-Static	60	60	60	—
Movable Pulley Maximum Full Turns From Factory Setting	Std	5	5	5	5
	Alt	5	—	5	6
	High-Static	5	5	6	—
	Std	5	5	5	5
	Alt	5	—	5	5
	High-Static	5	5	5	—
Factory Speed Setting (rpm)	Std	590	685	685	860
	Alt	685	—	835	960
	High-Static	860	860	887	—
Fan Shaft Diameter at Pulley (in.)		1	1	1	1

LEGEND

Al — Aluminum
Bhp — Brake Horsepower
Cu — Copper

*Evaporator coil fin material/condenser coil fin material. Contact your local representative for details about coated fins.

†Weight of 14-in. roof curb.

**Rollout switch lockout is manually reset by interrupting power to unit or resetting thermostat.

††An LP kit is available as an accessory. Kit may be used at elevations as high as 2000 ft.

NOTE: High-static motor not available on size 014 units.

VERILLO'S OLD UNIT

HV,HZ008 (7½-Ton)	LV,LZ008 (7½-Ton)
1140	1136
1200 (HV)	1196 (LV)
125 (HV)	125 (LV)
1..Semi-Hermetic 06D	
112	
50/100	
ıry Control	
16.5	
s, Aluminum Fins	
2.5/13.9	
17.8	
, Direct Drive	
7000	
2...22	
½	
s, Aluminum Fins	
·/13.9	
7.9	
ıal, Belt Drive	
12x12	
3000	
1	
1½	
56	
56	
833-1114 (@ 1 Turn Open)	
850-1180	
2.4-3.4	
2.4-3.4	
5.0	
5.0	
A/45	
66	
66	
5	
41900	
4.51881	
1300	
2'	1
,101129	,1130133
.082/45	.0700/50
.036/64	.0330/66
.0225174	.0225/74
6 ± 7	
0 ± 20	
7 ± 4	
7 ± 7	
ɔanable	
ard) or x2 (field supplied)	
posabie	
ard) or x2 (field supplied)	
ard) or x2 (field supplied)	

UNIT SIZE 48DP,DR	012 (IO-Ton)		014 (12-Ton)		016 (15-Ton)		020 (18-Ton)
	DP	DR	DP	DR	DP	DR	DP
OPERATING WEIGHT (lb)							
Unit	1290	1300	1350	1400	1570	1590	2100
With Economizer	1400	1410	1460	1510	1680	1700	2210
Roof Curb	200		200		200		200
COMPRESSOR	Hermetic — 2 Cylinders				Semi-Hermetic — 6 Cylinders		
Qty/Type	2/P64		2/P77		1/06DA537		2/06DA824
Oil (oz)	76 ea		76 ea		160		160 ea
Capacity Steps (%)	50.100		50,100		67,100		50,100
REFRIGERANT							
R-22 Charge (lb)							
System 1*,System 2	7.9/6.6		8.3/8.3		21.2/—		17.0117.0
CONDENSER COIL	Copper Tube, Alun						
Rows/Fins Per In.	2/14		3114		3114		4/14
Face Area (sq ft)	18.9		18.9		18.9		22.2
CONDENSER FAN	Propeller,						
Nominal Cfm	9000		8000				
Qty/Diam (in.)	2/22		2/22				
Motor Hp (1075 Rpm)	0.5		0.5				
Watts Input (Total)	4385		140(		2672		3000
EVAPORATOR COIL	Copper Tube, Ai				ninum Plate Fins		
Rows/Fins Per In.	2/14		3/15		3/14		4/14
Face Area (sq ft)	14.7		13.8		16.5		17.9
EVAPORATOR FAN†	Centrifugal, Adj						
Qty/Diam (in.)	2/10x10		2110x10		2/10x10		2112x12
Nominal Cfm	4000		5000		6000		7200
Fan Rpm Range Std	753-1066		805-1093		916-1186		F.P. Pulley A — 846
Opt	878-1191		978-1265		1158-1428		F.P. Pulley B — 1058
Max Allowable Rpm	1550		1550		1550		1550
Motor Pulley Pitch Std	2.4-3.4		2.8-3.8		3.4-4.4		Pulley A — 3.2
Diam (in.) Opt	2.8-3.8		3.4-4.4		4.3-5.3		Pulley B — 4.0
Fan Pulley Pitch Std	5.5		6.0		6.4		—
Diam (in.) Opt	5.5		6.0		6.4		—
Belt Qty/Type/Length (in.)	1/V/41		1/V/43		1/V/45		2/V/48
Speed Change Per Std	62		58		54		—
Turn (Rpm) Opt	63		57		55		—
Moveable Pulley Max Full Turns fr Closed Position	5		5		5		—
Factory Setting — Full Turns Open	5		5		5		—
Factory Speed Setting Std	753		805		916		846
(Rpm) Opt	878		978		1158		1058
Motor Hp [SF] Std	1 [1.25]		2 [1.15]		3 [1.15]		5 [1.15]
(Nominal 1750 Rpm) Opt	1½ [1.20]		3 [1.15]		—		—
Motor Frame Size Std	56		56		56		184T
Opt	56		56		56		—
HEATING SECTION							
Burner Orifice Diam (in./drill size)							
Natural Gas			.113/33				.113/33
Propane Gas			,073149				—
Butane Gas			.073/49				—
Pilot Orifice Diam (in./drill size)							
Natural Gas			,064152				,064152
Propane			.036/64				—
Butane			.036/64				—
Thermostat Heat Anticipator Setting							
2081230; Stg 1/Stg 2	.98/—	.98/.44	.98/—	.98/.44	.98/.44	.98/.44	.98/.44
460; Stg 1/Stg 2	1.2/—	1.21.44	1.2/—	1.21.44	1.21.44	1.2/.44	1.21.44
Gas Valve Qty	1	2	1	2	2	2	2
HIGH-PRESSURE SWITCH							
Cutout (psig)	428						
Reset (psig)	320						
LOW-PRESSURE SWITCH							
Cutout (psig)	27						
Reset (psig)	60						
OUTSIDE AIR SCREENS							
Qty/LxWxDepth (in.)	Two/20x25x1						
	One/20x20x1						
RETURN AIR FILTERS	10% Efficient — 2 in. Disposable Fiberglass						
Qty/LxWxDepth (in.)	Two/16x20x2		Two/16x20x2		Two/20x20x2		Four/20x20x2
	Four/16x25x2		Four/16x25x2		Three/16x20x2		Four/16x20x2
					Two/16x25x2		