



MECHANICAL PERMIT APPLICATION

City of Portland, Oregon - Bureau of Development Services

1900 SW 4th Avenue, Portland, Oregon 97201 • 503-823-7363 • TTY 503-823-6868 • www.portlandoregon.gov/bds

This permit application expires if a permit is not obtained within 180 days after it has been accepted as complete.

Type of work

- New construction Addition/alteration/replacement
 Demolition Other:

Category of construction

- 1 & 2 family dwelling Commercial/industrial Accessory building
 Multifamily Master builder Other:

Job site information and location

Job no.: _____ Job address: 5353 NE Sandy Blvd
 City/State/ZIP: Portland, OR
 Suite/bldg./apt. no.: _____ Project name: Chocolate Shop
 Cross street/directions to job site: _____
 Subdivision: _____ Lot no. _____ Tax map/parcel no. _____

Description of work (example: upstairs bath fan/dryer exhaust)

New 2 ton HP / AH
ducting + AB

Provide RS permit no. _____

Property owner Tenant

Name: _____ E-mail: _____
 Address: _____
 City/State/ZIP: _____
 Phone: _____ FAX: _____

Owner installation: This installation is being made on property that I own, which is not intended for sale, lease, rent, or exchange.

Owner signature: _____ Date: _____

Contractor Subcontractor

Business name: OHAC E-mail: clintl@oregonheating.com
 Address: PO Box 241
 City/State/ZIP: Dunbar OR 97115
 Phone: 503 691 9699 FAX: _____
 Lic. no. _____ CCB lic. no. 172126
 Authorized signature: [Signature]
 Print name: CLINT LATIMER Date: 10/15/13

Applicant Contact Person

Business name: OHAC
 Contact name: Clint Latimer
 Address: _____
 City/State/ZIP: _____
 Phone: 503 849 8162 FAX: _____
 E-mail: clintl@oregonheating.com

Commercial Fee Schedule - Use Checklist

Mechanical permit fees* are based on the value of the work performed. Indicate the value (rounded to the nearest dollar of all mechanical materials, equipment, labor, overhead and profit.

Value: \$ 7998

Residential Equipment / Systems Fees

For special information use checklist

Description	Qty.	Fee	Total
Heating / cooling			
Air conditioner (site plan required)		\$26	
Furnace / burner including duct work / vent / liner		\$55	
Heat pump (site plan required)		\$51	
Air handling unit		\$26	
Hydronic hot water system		\$32	
Residential boiler (radiator or hydronic) includes piping		\$32	
Unit heaters (fuel type, not electric) in-wall, in-duct, suspended, etc.		\$26	
Vent for appliance other than furnace		\$22	
Alteration of existing HVAC system		\$32	

Other fuel appliances

Decorative gas fireplace		\$26	
Flue vent for water heater or gas fireplace		\$22	
Wood / pellet stove		\$57	
Gas or wood fireplace / insert		\$57	
Chimney / liner / flue / vent		\$22	
Other:		\$32	

Environmental exhaust and ventilation

Range hood / other kitchen equipment		\$14	
Clothes dryer exhaust		\$14	
Single-duct exhaust (bathrooms, toilet compartments, utility rooms)		\$14	
Attic / crawl space fans		\$14	
Other:		\$32	

Gas fuel piping

\$14 for the first four, \$2.57 for each additional. Please indicate number of fuel gas piping outlets below:

Furnace, etc.			
Gas heat pump			
Wall / suspended / unit heater			
Water heater / boiler			
Fireplace			
Range			
Barbecue			
Clothes dryer			
Other:			

Other appliances

Including oil tanks, gas and diesel generators, gas and electric kilns, gas appliances / equipment not included above		\$32	
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Mechanical permit fees

Subtotal	
Minimum permit fee (\$95)	
Commercial plan review (60% of permit fee)	
State surcharge (12% of permit fee)	
TOTAL PERMIT FEE	

RS Permit/No Fees Due

Residential Combo permit subcontractor submittals only can be faxed to 503-823-7693 or e-mailed to BSSublabels@portlandoregon.gov.

Oregon Heating & Air Conditioning

Chocolate Shop
5353 NE Sandy Blvd
Portland, Or

Scope of Work

Oregon Heating and Air Conditioning will perform the following scope of work:

1. Provide and install new 2-ton Heat Pump on roof.
2. Ducting and air-distribution as drawn.

Equipment Schedule

HP1- Carrier 25HCD325A003- 208-240/1/60. 16.8 MCA, 25 MOCP. 13 seer, 23.4 MBtu cooling. 7.7 HSPF, 22 MBtu heating. 124#.

AH1- Carrier FB4cnf024- 208-240/1/60. 48.5 MCA, 50 MOCP (AT 240V). 800 CFM @ 0.5SP. 112#.

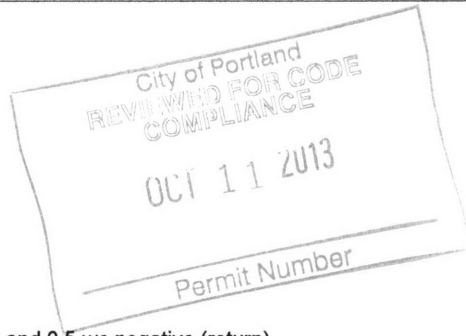
Ventilation Requirements- based on 2010 OMSC table 403.3

Natural ventilation-

21sft door, 480 sft retail

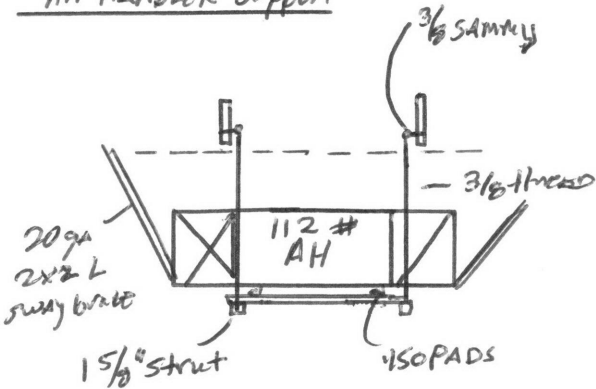
Mechanical General Notes:

1. All steel ducting will be 26 ga minimum galvanized.
2. Heating and cooling ducting to be designed to not exceed 0.5 wc positive (supply) and 0.5 wc negative (return).
3. Provide programmable thermostat. 5 degree deadband minimum. 7 day. Microprocessor. Set program for night energy savings.
4. Electric resistance heat to only operate when heat pump cannot meet load.
5. Seal ducting with UL listed mastic or mastic tape.
6. Max leakage rate of OSA or exhaust dampers to be 4 cfm/sft @ 1.0 sp.
7. Insulate all supply and return duct min. R4 foilback.
8. Support duct every 8' max or within 2' of direction change with minimum 24ga strap or 12ga wire.
9. Provide O and M to building owner.

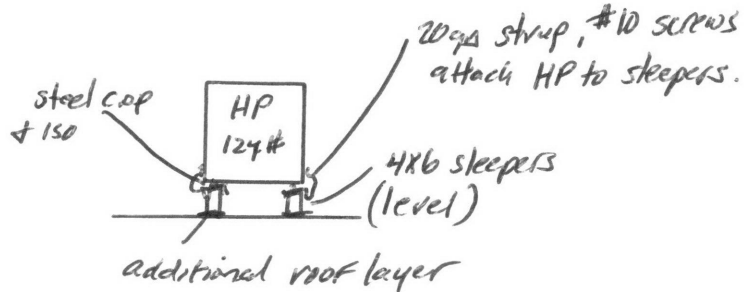


13-216612 M1

Air Handler Support



HP on Roof



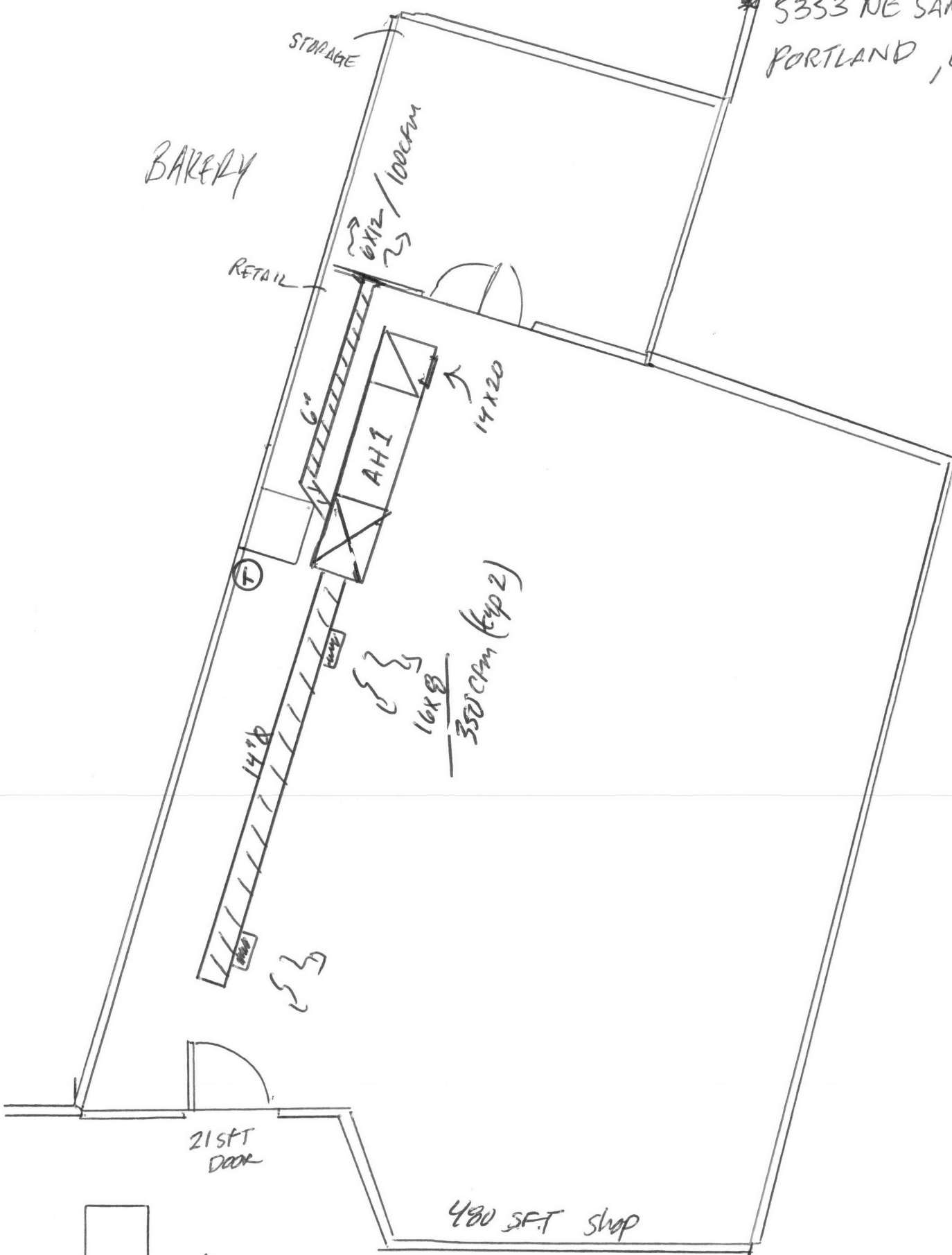
M1

Oregon Heating & A/C, Inc.

PHONE NUMBERS	MAILING ADDRESS	OPERATIONS	CONTRACTOR LICENSE
503-691-9699 503-691-8556 (Fax)	PO Box 241 Dundee, OR 97115	19300 SW 118 th Ave Tualatin, OR 97062	Oregon CCB 172126 Washington OREGOHC900BN



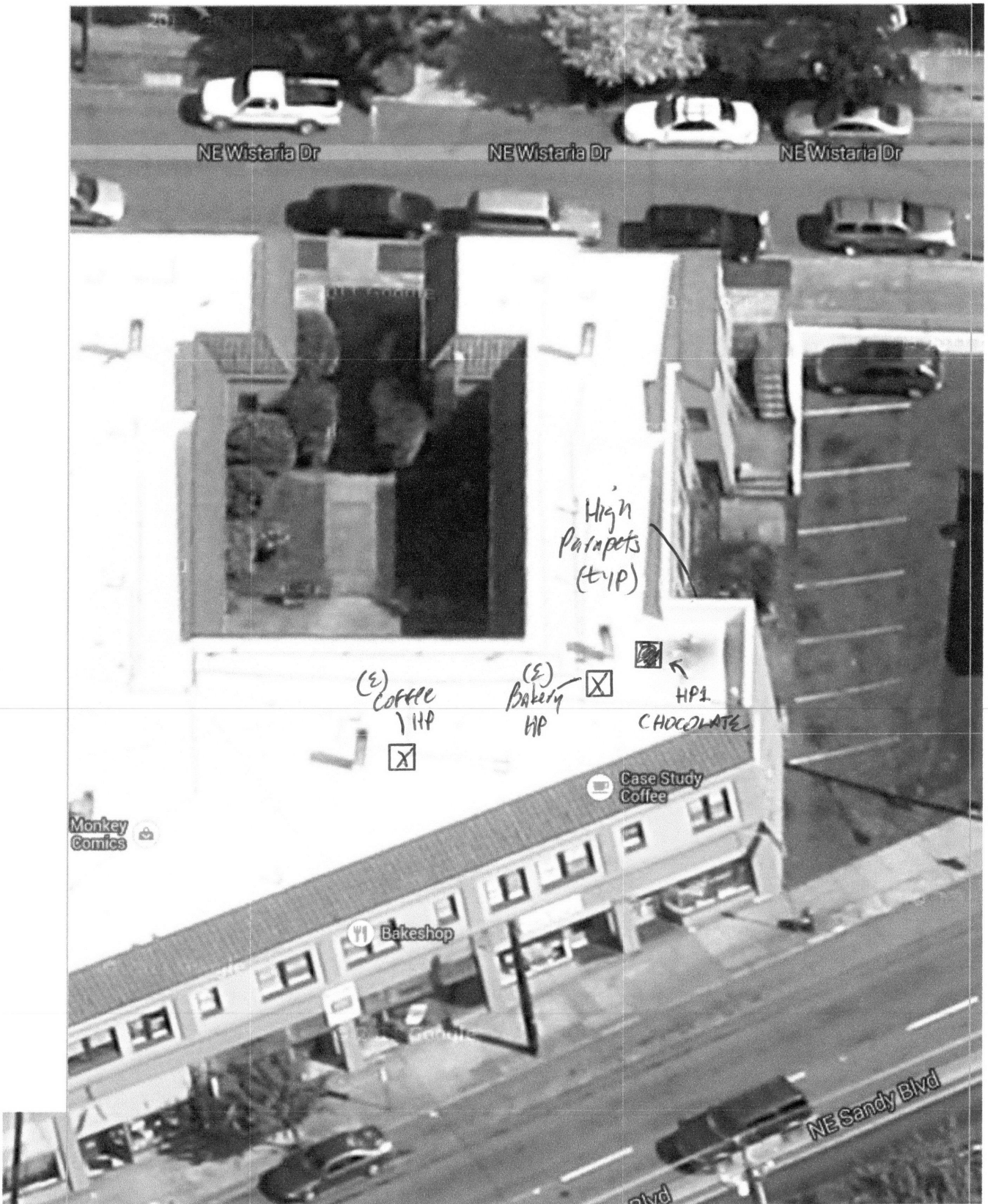
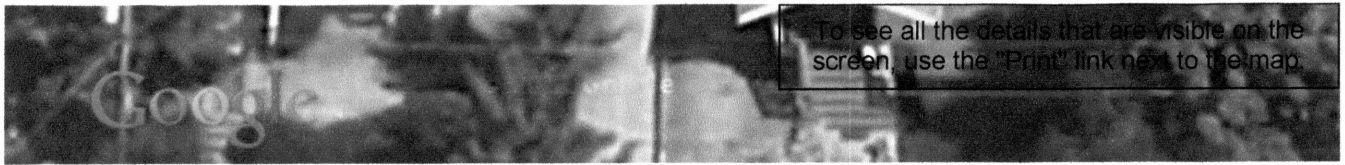
Bakery
OSA
Chocolate Shop
5353 NE SANDY Blvd
PORTLAND, OR



HVAC PLAN
1/4" = 1'0"

MZ

CHOCOLATE SHOP



Roof Plan - NTS

M3