

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 10-0251	Issue Date:	CBL: 037 A011001
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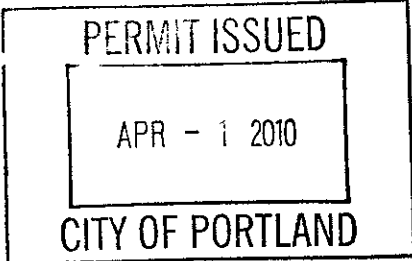
Location of Construction: 92 OAK ST	Owner Name: NORTHEAST REALTY INC	Owner Address: PO BOX 6799	Phone:
Business Name:	Contractor Name: Johnson & Jordan	Contractor Address: 18 Mussey Road Scarborough	Phone 2078838345
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: B-3C

Past Use: Commercial	Proposed Use: Commercial - install an electric Trane TCH 180 unit on Roof	Permit Fee: \$520.00	Cost of Work: \$50,000.00	CEO District: 1
<i>legal use business communications</i>	Proposed Project Description: install an electric Trane TCH 180 unit on Roof	FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: <i>B</i> Type: <i>HVAC</i>	
		<i>*See Conditions</i>		<i>IMC-2003</i>
		Signature: <i>(KG)</i>	Signature: <i>JMB 3/29/10</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: 03/16/2010	Zoning Approval		
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- This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
- Building permits do not include plumbing, septic or electrical work.
- 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: <i>OK with conditions</i>	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: <i>3/16/10</i>	Historic Preservation <input checked="" 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: <i>S</i>
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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 #	
APR -	
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 92 OAK ST Use of Building OFFICE Date 3/15/10
 Name and address of owner of appliance Pine-tree Networks / Otelco, 92 OAK ST, Portland, ME

Installer's name and address Johnson + Jordan - Russell/Chate
18 Mussey road Scarborough Maine 04074 Telephone 1-207-883-8345

Location of appliance:

Basement Floor
 Attic Roof

Type of Fuel:

Gas Oil Solid Elec.

Appliance Name: Trane TCH 180

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 # PNT1241
 Other _____

Type of Chimney: None

Masonry Lined
 Factory built _____

Metal
 Factory Built U.L. Listing # _____

Direct Vent
 Type _____ UL# _____

Type of Fuel Tank None

Oil
 Gas

Size of Tank None Dept. of Building Inspections
 City of Portland Maine

Number of Tanks None

Distance from Tank to Center of Flame N/A feet.

Cost of Work: \$ 50,000.00

Permit Fee: \$ 520.00

RECEIVED
 MAR 16 2010

Approved

Approved with Conditions

Fire: _____
 Ele.: _____
 Bldg.: _____

See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer

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

City of Portland, Maine - Building or Use Permit

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Permit No: 10-0251	Date Applied For: 03/16/2010	CBL: 037 A011001
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Location of Construction: 92 OAK ST	Owner Name: NORTHEAST REALTY INC	Owner Address: PO BOX 6799	Phone:
Business Name:	Contractor Name: Johnson & Jordan	Contractor Address: 18 Mussey Road Scarborough	Phone (207) 883-8345
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Commercial - Business Communications (computers) install an electric Trane TCH 180 unit on Roof	Proposed Project Description: install an electric Trane TCH 180 unit on Roof
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Dept: Zoning	Status: Approved with Conditions	Reviewer: Marge Schmuckal	Approval Date: 06/16/2010
Note:			Ok to Issue: <input checked="" type="checkbox"/>
1) The maximum noise allowance for the B-3 Zone shall be met. The City follows up on all noise complains and enforces violations.			
Dept: Building	Status: Approved with Conditions	Reviewer: Jeanine Bourke	Approval Date: 03/29/2010
Note:			Ok to Issue: <input checked="" type="checkbox"/>
1) Equipment must be installed in compliance per the manufacturer's specifications			
2) Installation shall comply with 2003 International Mechanical Code			
Dept: Fire	Status: Approved with Conditions	Reviewer: Capt Keith Gautreau	Approval Date: 03/19/2010
Note:			Ok to Issue: <input checked="" type="checkbox"/>
1) Must comply with city electrical codes.			
2) Install shall comply with all manufacture's specifications.			

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 Inspection 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 with construction.**

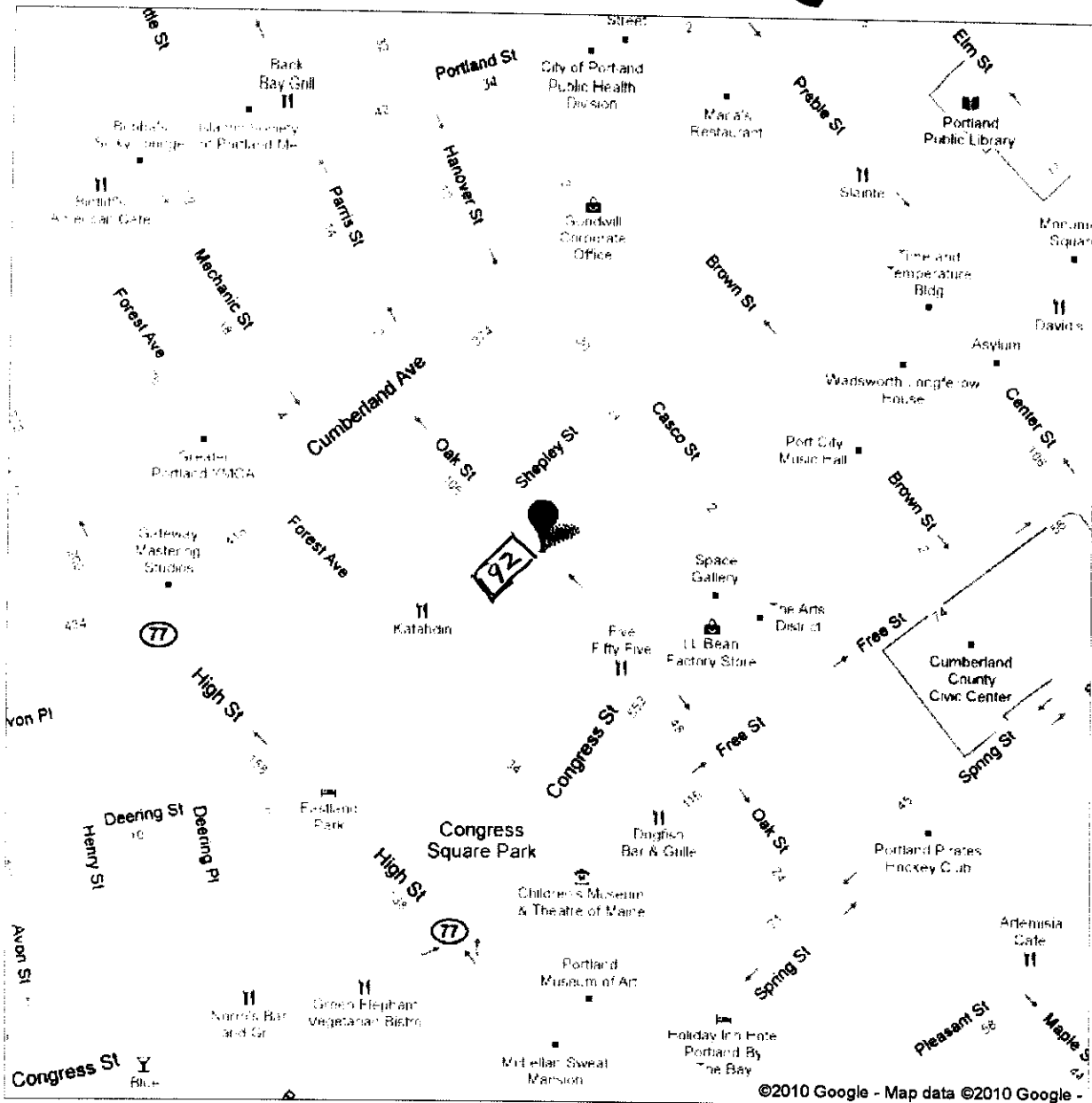
The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.

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.

Google maps

Address 92 Oak St
Portland, ME 04101

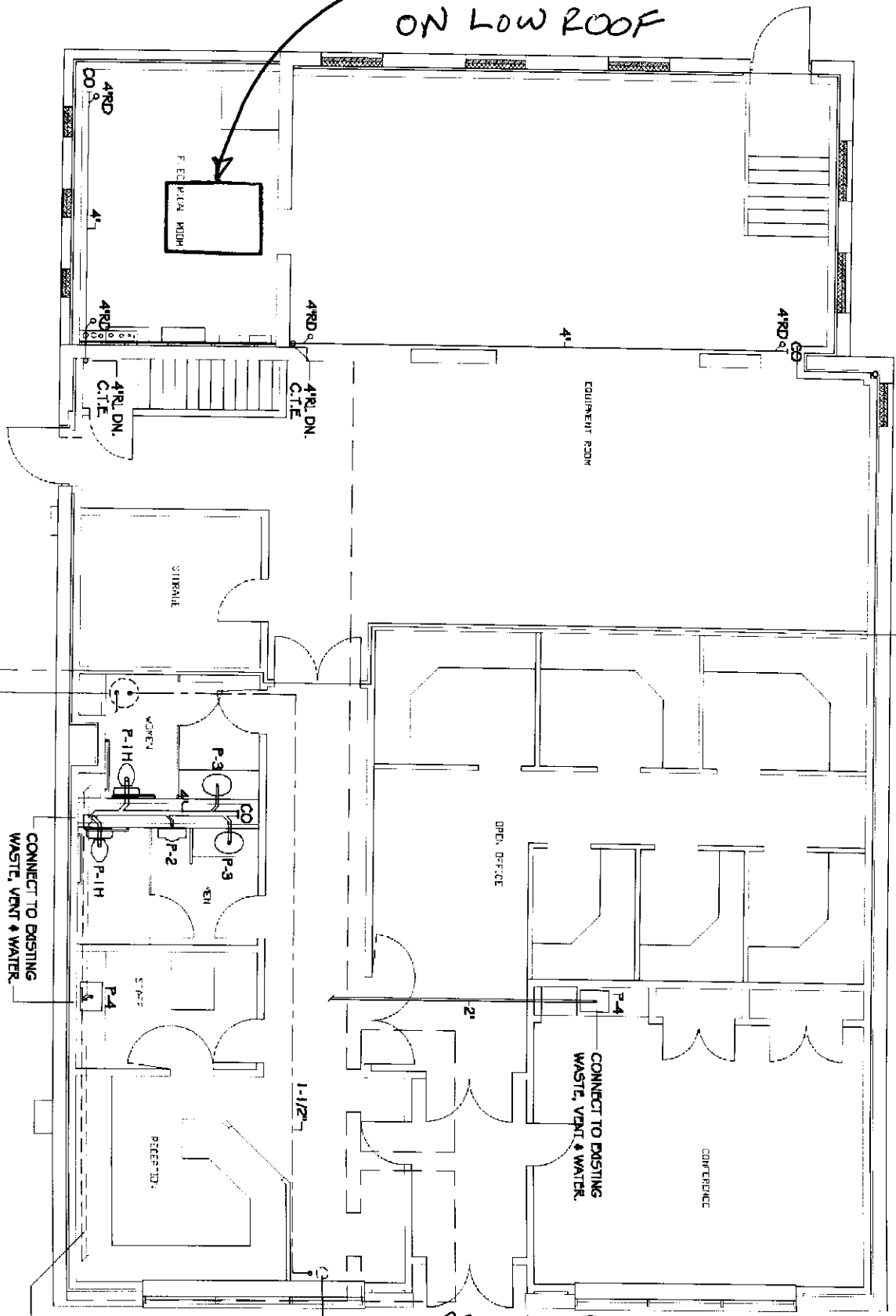
Get Google Maps on your phone
Text the word "GMAPS" to 466453



AREA PLAN

92 OAK ST
NEW COOLING UNIT

LOCATION OF NEW UNIT ON LOW ROOF



PHASE 1 PHASE 2

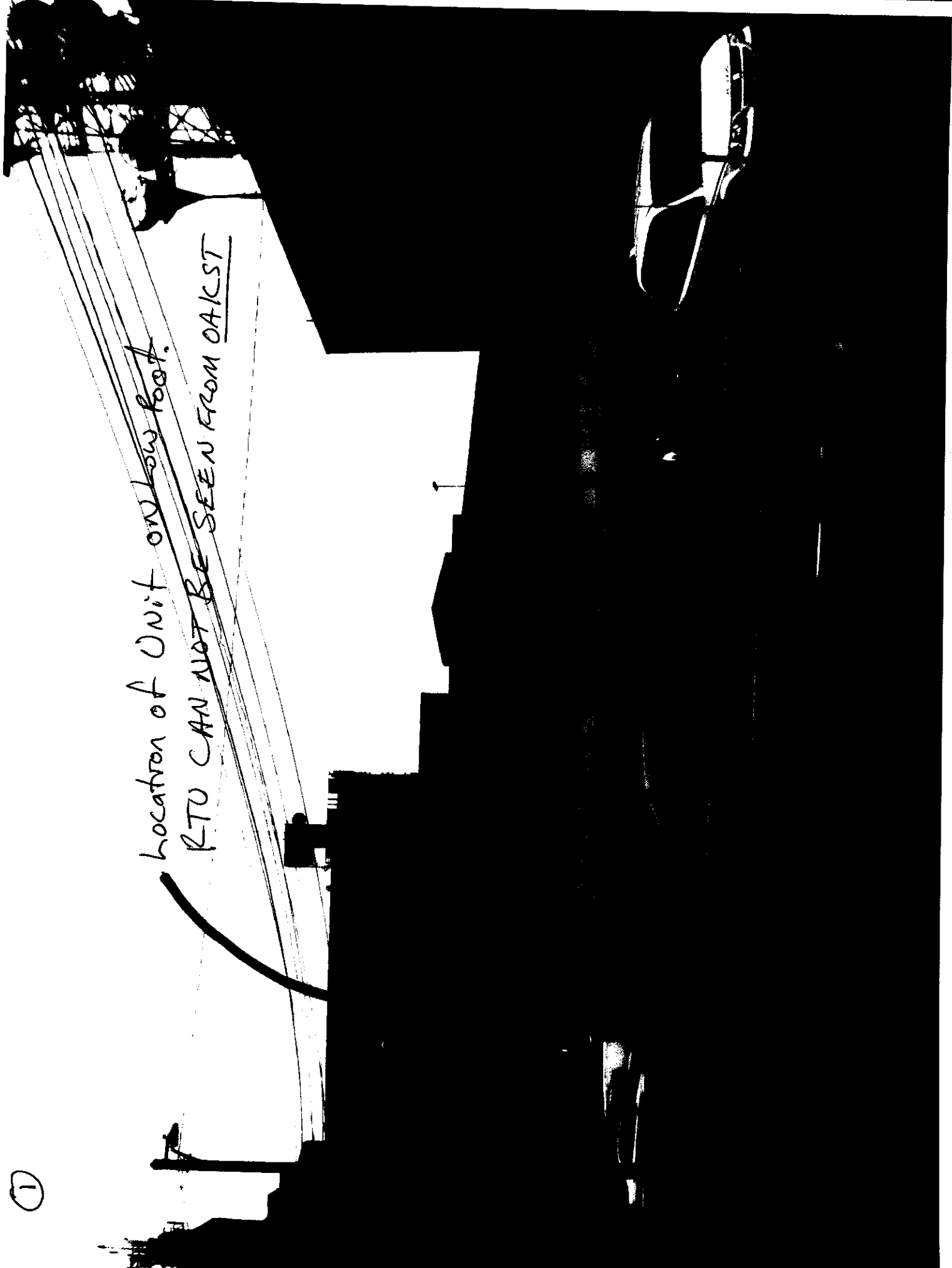
Photo #2

NORTH

920 AK ST
photo 1
OAK STREET

①

Location of Unit on low foot.
RTU CAN NOT BE SEEN FROM OAKST

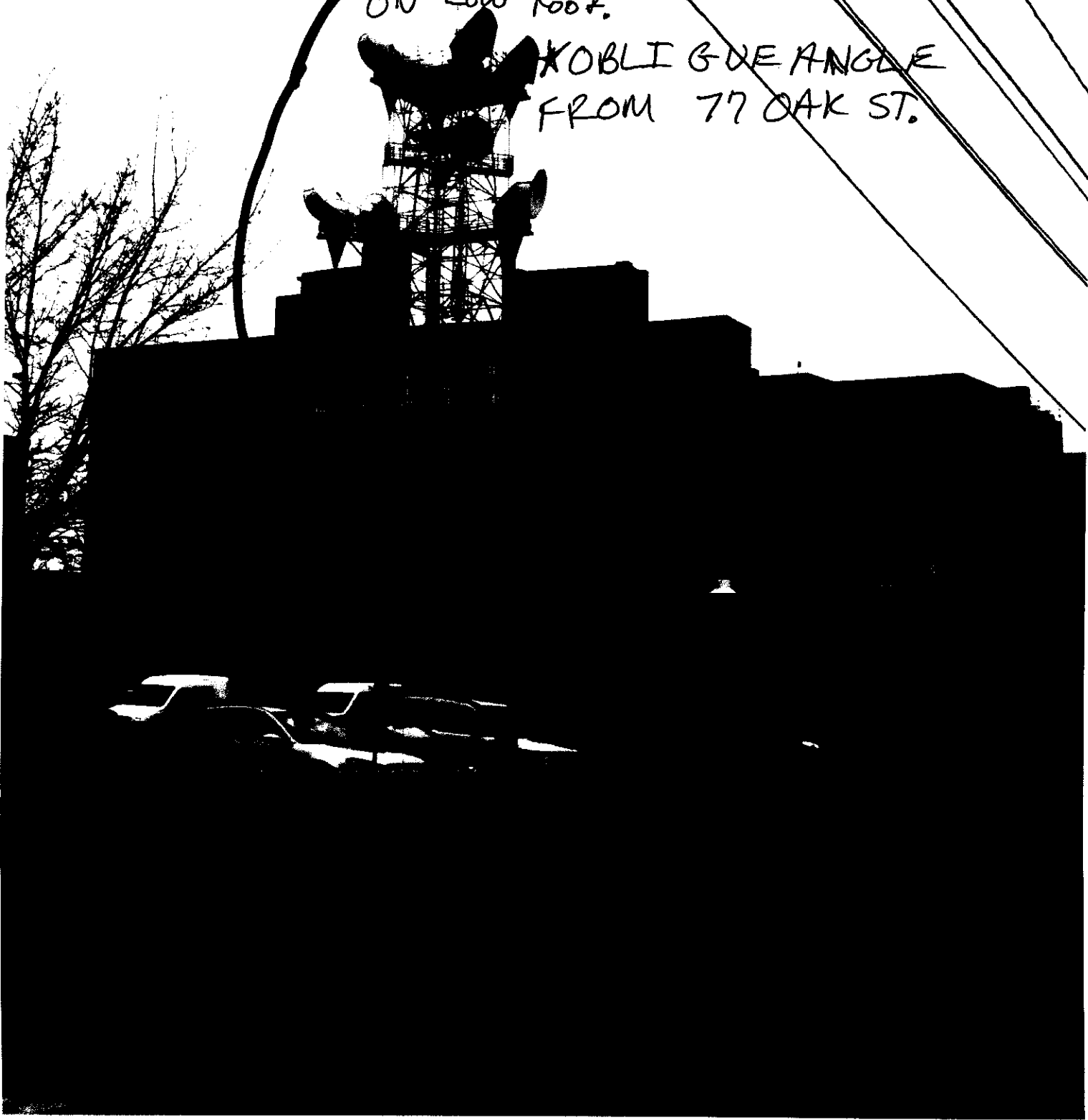


②

Location of Unit and Frame
ON Low Roof.

KOBLI 3-DI ANGLE
FROM 77 OAK ST.

7





TRANE

Submittal

Trane U.S. Inc.

Prepared For:
All Bidders

Date: March 26, 2008

Customer P.O. Number:
Customer Project Number:

Sold To:

Job Number:
Job Name:
J&J - Russ - 15T - LCU

Trane is pleased to provide the enclosed submittal for your review and approval.

Product Summary

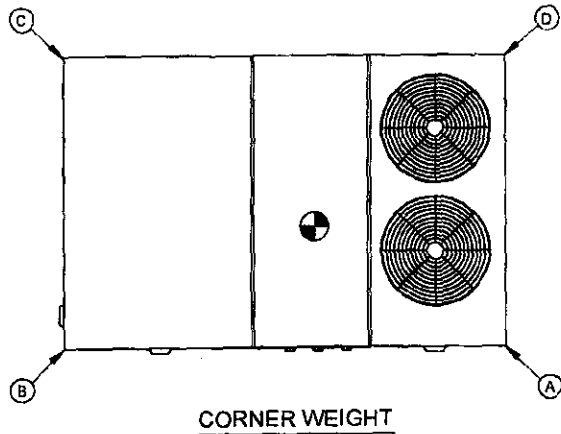
Qty	Product
2	Packaged Gas/Electric Rooftop Units

The attached information describes the equipment we propose to furnish for this project, and is submitted for your approval.

Dan Broderick
Trane
30 Thomas Drive
Westbrook, ME 04092-3824
Phone: (207) 828-1777
Fax: (207) 828-1511

Weight, Clearance & Rigging Diagram - Packaged Gas/Electric Rooftop Units

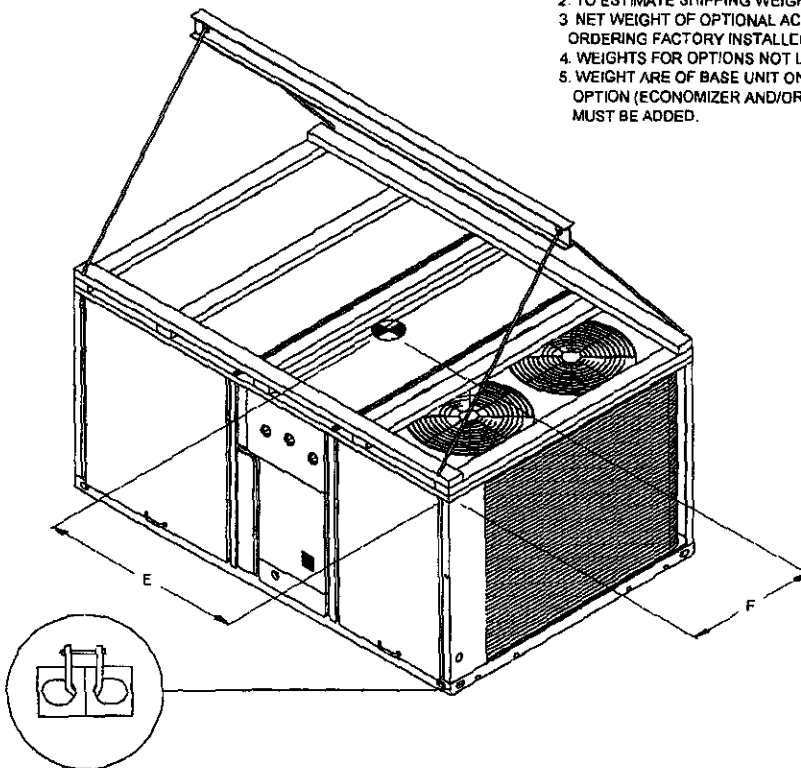
Item: A1 Qty: 2



INSTALLED OPTIONS NET WEIGHT DATA

Accessory	Accessory						
Economizer	55.0 lb						
Motorized Outside Air Damper							
Manual Outside Air Damper							
Oversized Motor							
High Efficiency Motor							
High Static Drive							
Thru the Base Electrical	23.0 lb						
Unit Mounted Circuit Breaker	10.0 lb						
Unit Mounted Disconnect							
Power Exhaust							
Hinged Doors							
Zone Sensor							
LPG Conversion Kit							
Powered Convenience Outlet							
Roof Curb	235.0 lb						
BASE UNIT WEIGHTS		CORNER WEIGHTS				CENTER OF GRAVITY	
SHIPPING	NET	(A)	(B)	(C)	(D)	E	F
2033.0 lb	1665.0 lb	600.0 lb	395.0 lb	266.0 lb	404.0 lb	43"	29"

- NOTE:
1. CORNER WEIGHTS ARE GIVEN FOR INFORMATION ONLY.
 2. TO ESTIMATE SHIPPING WEIGHT OF OPTION/ACCESSORIES ADD 5 LBS TO NET WEIGHT.
 3. NET WEIGHT OF OPTIONAL ACCESSORIES SHOULD BE ADD TO UNIT WEIGHT WHEN ORDERING FACTORY INSTALLED ACCESSORIES.
 4. WEIGHTS FOR OPTIONS NOT LISTED ARE < 5 LBS.
 5. WEIGHT ARE OF BASE UNIT ONLY. FOR TOTAL WEIGHT, *0 DIGIT FACTORY INSTALLED OPTION (ECONOMIZER AND/OR OVERSIZED MOTOR OR FLOI/ACCESSORY WEIGHT MUST BE ADDED.



RIGGING AND CENTER OF GRAVITY

Unit Dimensions - Packaged Gas/Electric Rooftop Units
Item: A1 Qty: 2

ELECTRICAL / GENERAL DATA

GENERAL PERFORMANCE			
Tons:	15	Standard Motor	
Unit Operating Voltage Range:	414-506	Minimum Circuit Ampacity:	39.0
Unit Primary Voltage:	460	Maximum Fuse Size:	50.0
Unit Secondary Voltage:	-	Maximum (HACR) Circuit Breaker:	50.0
Unit Hertz:	60	Oversized Motor	
Unit Phase:	3	MCA:	N/A
EER:	9.7	MFS:	N/A
		MCB (HACR):	N/A
		Field Installed Oversized Motor	
		MCA:	N/A
		MFS:	N/A
		MCB (HACR):	N/A

GAS HEATING		COMPRESSOR	
Heating Models:	High	Circuit #1	Circuit #2
Heating Input (Btu/h)	350,000	Number:	1
Heating Output (Btu/h)	400,000	Horsepower:	9.1
1st Stage Input:	250,000	Phase:	3
1st Stage Output:	203,000	Rated Load Amps:	16.3
Min./Max. Gas Input	2.50/4.00	Locked Rotor Amps:	113.0
Pressure (Natural or LP):	3"		
Gas Connection Pipe Size:	3/4"		

NO HEATING TO BE INSTALLED

INDOOR MOTOR		OUTDOOR MOTOR	
Number:	1	Number:	2
Horsepower:	3.00	Horsepower:	1,100
Motor Speed (RPM):	1,740	Motor speed (RPM):	1,125
Phase:	3	Phase:	1
Full Load Amps:	4.8	Full Load Amps:	1.6
Locked Rotor Amps:	40.5	Locked Rotor Amps:	3.8
	Field Installed Oversized Motor		
	Number:		
	Hp:		
	Motor Speed (RPM):		
	Phase:		
	FLA:		
	LRA:		

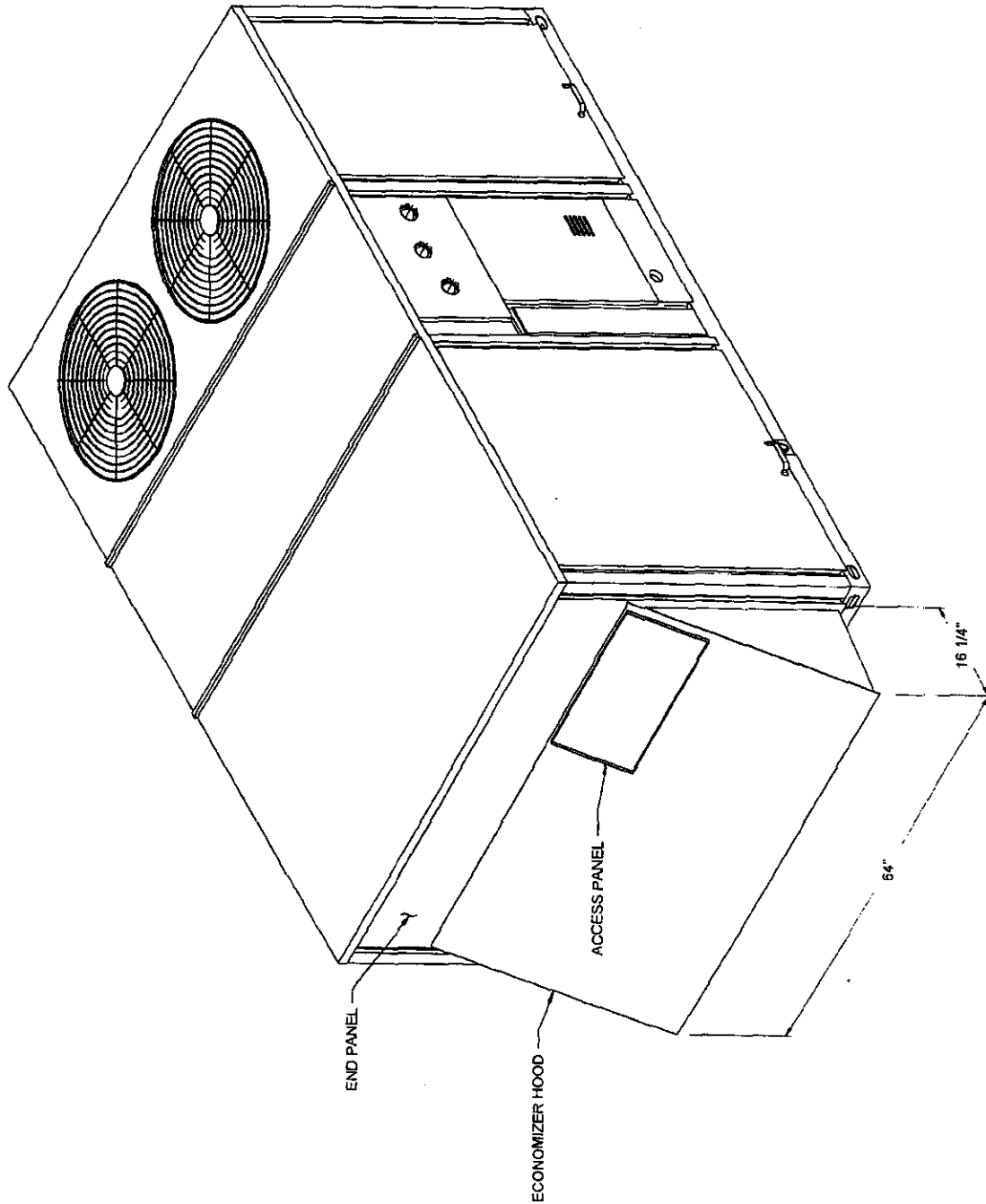
POWER EXHAUST (Field Installed Power Exhaust)		COMBUSTION BLOWER MOTOR (Gas-Fired Heating only)	
Horsepower:	N/A	Horsepower:	.10
Motor Speed (RPM):	N/A	Motor Speed (RPM):	2,800
Phase:	N/A	Phase:	1
Full Load Amps:	N/A	Full Load Amps:	.80
Locked Rotor Amps:	N/A	Locked Rotor Amps:	2.0

FILTER		REFRIGERANT	
Type:	Throwaway	Circuit #1	Circuit #2
Furnished:	Yes	Type:	R-22
Number:	2 / 4	Factory Charge:	17.5
Recommended Size:	20"x20"x2" / 20"x25"x2"		9.5

NOTES:

1. Maximum (HACR) Circuit Breaker sizing is for installations in the United States only.
2. Refrigerant charge is an approximate value. For a more precise value, see unit nameplate and service instructions.
3. Value does not include Power Exhaust Accessory.
4. Value includes oversized motor.
5. Value does not include Power Exhaust Accessory.
6. EER is rated at ARI conditions and in accordance with DOE test procedures

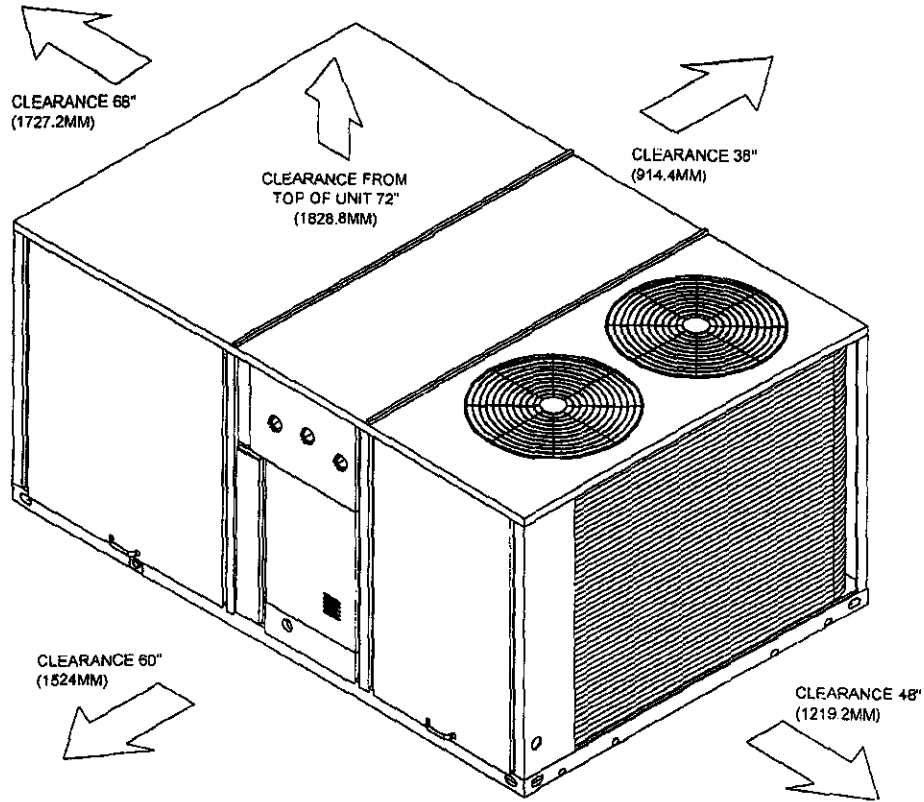
Accessory - Packaged Gas/Electric Rooftop Units
Item: A1 Qty: 2



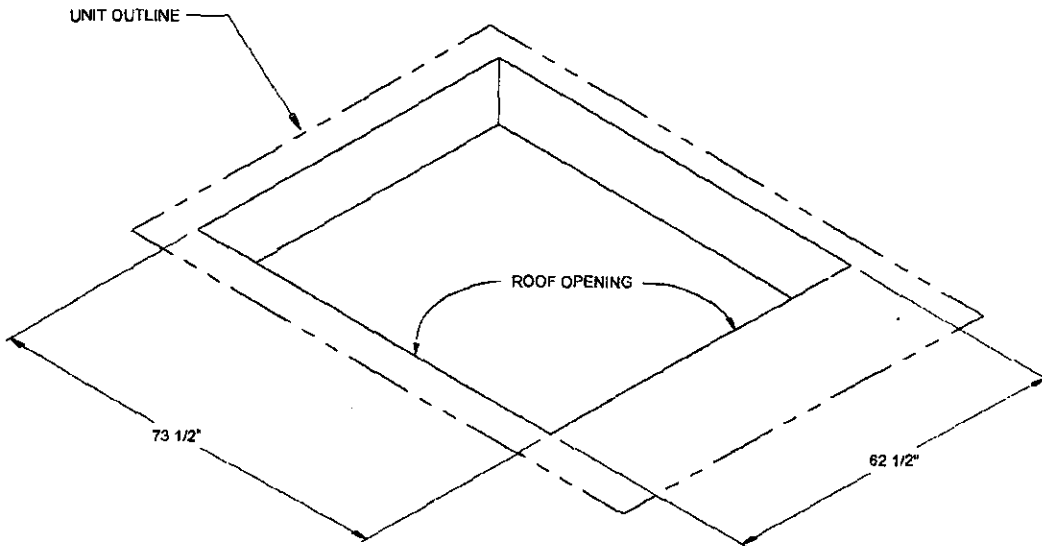
DOWNFLOW ACCESSORY - ECONOMIZER

Weight, Clearance & Rigging Diagram - Packaged Gas/Electric Rooftop Units

Item: A1 Qty: 2



DOWNFLOW-PACKAGED GAS/ELECTRIC CLEARANCE

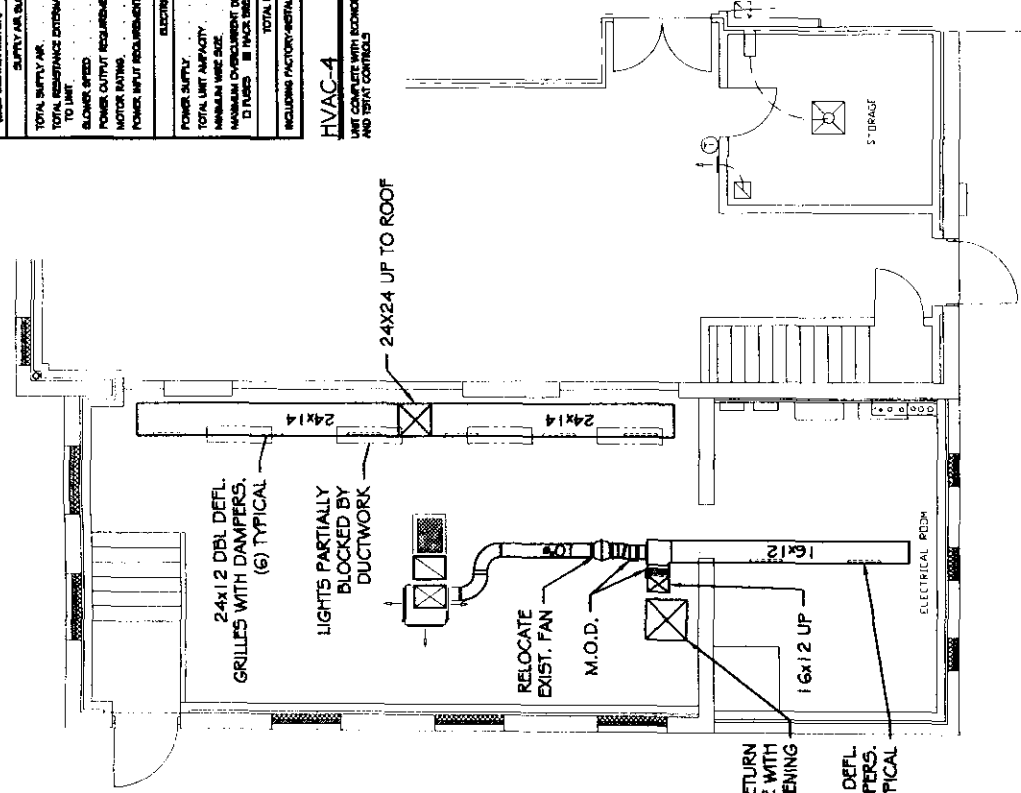


DOWNFLOW-PACKAGED GAS/ELECTRIC ROOF OPENING CLEARANCE



PRODUCT DATA	
FRAME MODEL T01100	
COOLING PERFORMANCE	
TOTAL CAPACITY	184 MBH
SENSIBLE CAPACITY	145 MBH
OUTDOOR DESIGN TEMP.	95 °F DRYBUL
TOTAL SUPPLY AIR	6000 CFM
TEMP. OF AIR ENTERING	55.0 °F DB/45.0 °F WB
TEMP. OF AIR LEAVING	55.0 °F DB/45.0 °F WB
POWER SUPPLY	300V 1PH 60HZ
LEAD BLUENER MOTOR	14.3 HP
SUPPLY AIR SLINGER PERFORMANCE	
TOTAL SUPPLY AIR	6000 CFM
TOTAL RESISTANCE EXTERNAL TO UNIT	0.27 W.C.
SLINGER SPEED	1750 RPM
POWER OUTPUT REQUIREMENT	3.8 HP
MOTOR RATING	5.0 HP
POWER INPUT REQUIREMENT	1.0 KW
ELECTRICAL DATA	
POWER SUPPLY	208/240V
TOTAL UNIT AMPACITY	80 AMPS
MINIMUM WIRE SIZE	1/0 AWG
MINIMUM OVERCURRENT DEVICE	100 AMPS
PIPE SIZES	3" FLEXIBLE, 2" RIGID
TOTAL UNIT WEIGHT	
INCLUDING FACTORY-INSTALLED OPTIONS 2100 LBS.	

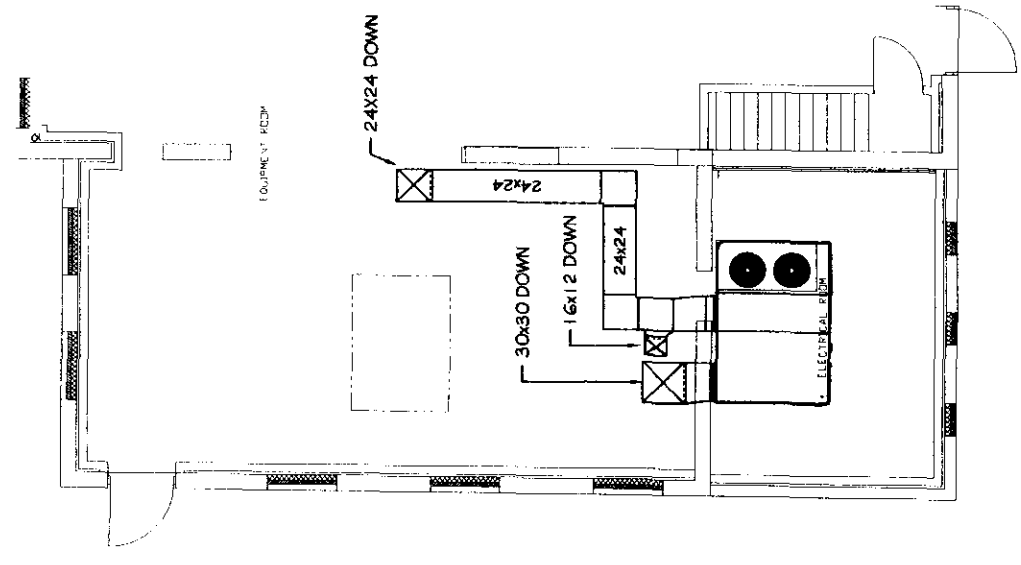
HVAC-4
USE COMPARE WITH SCHEDULES, DIMENSIONAL RELIEF TABLE AND TOTAL CONTROLS



FLOOR PLAN

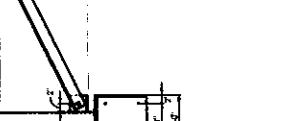
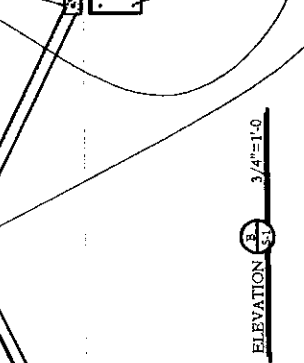
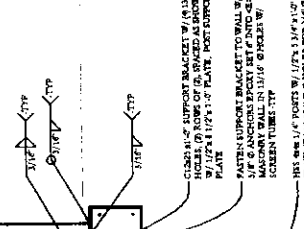
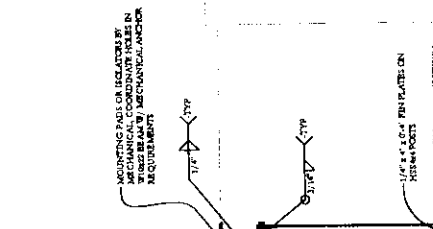
SCALE: 1/4"=1'-0"

PHASE 1 | PHASE 2



ROOF PLAN

SCALE: 1/4"=1'-0"



92 Oak St
Portland, ME 04101

DATE: 3/2/10
 SCALE: 3/4"=1'-0"

NEW W/ 1 1/2" CH. IN BOTH TYP (2,000 MAX OPERATING WEIGHT)
 NEW W/ 1 1/2" CH. IN BOTH TYP (2,000 MAX OPERATING WEIGHT)
 FASTEN CENTER OF 1" BRACE W/ 1/4" Ø ANCHORS IN 1 1/4" Ø HOLES - TYP
 FASTEN CENTER OF 1" BRACE W/ 1/4" Ø ANCHORS IN 1 1/4" Ø HOLES - TYP
 CLOSURE SUPPORT BRACKET W/ 1 1/4" Ø HOLES (2 ROUNDS OF Ø3, WELDED AS SHOWN PER SECTION 11) 1/4" PLATE, POST-SUPPORT PLATE
 FASTEN SUPPORT BRACKET TO WALL W/ 1/4" Ø ANCHORS EMBED INTO CONCRETE MASONRY WALL IN 3/16" Ø HOLES W/ GREEN TUBE - TYP
 1/2" PLATE W/ 1/4" Ø ANCHORS TYP, TENSION CONTROL BOLTS
 LABS 1/4" X BRACE FASTENED TO TOP W/ 1/4" Ø ANCHORS

SUPPORT PLATFORM FOR NEW ROOF TOP UNIT

1-S