

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

Please Read Application And Notes, If Any, Attached

BUILDING DEPARTMENT

PERMIT

Permit Number: 050385

PERMIT ISSUED

MAY - 5 2005

CITY OF PORTLAND

This is to certify that Philip Services/north Atlantic Frigo Way, OR

has permission to Install a Clean Burn Boiler on the mezzanine.

AT 31 Waldron Way

City 311 A012004

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and when permission is procured before this building or part thereof is altered or closed-in. 24 HOUR NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. _____

Health Dept. _____

Appeal Board _____

Other _____

Department Name

[Signature]
5/3/05
Director - Building Inspection Services

PENALTY FOR REMOVING THIS CARD



FILL IN AND SIGN WITH INK

311 A 012

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 31 WALDRON way Use of Building MAINTENANCE Date 4-7-05

Name and address of owner of appliance SERVICES Inc
31 WALDRON WAY PORTLAND ME

Installer's name and address DIRIGO WASTE OIL
92 College Ave WTVL ME 04901 Telephone 207-873-0881

Location of appliance:

- Basement
- Floor MEZZANIN
- Attic
- Roof 125 lbs Per

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: CLEAN BURN

U.I. 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 # MS30000956
- Gas # _____
- Other _____

Type of Chimney:

- Masonry Lined
Factory built _____
- Metal
Factory Built U.L. Listing # _____
- Direct Vent
Type _____ UL# _____

Type of Fuel Tank

- Oil
- Gas

Size of Tank 500

Number of Tanks 1

Distance from Tank to Center of Flame 25' feet.

Cost of Work: \$ ~~10,000.00~~ 31,000.00

Permit Fee: \$ 300.00

Approved

Fire: _____
Ele.: _____
Bldg.: _____

Approved with Conditions

- See attached letter or requirement

Signature of Installer

[Handwritten Signature]

Inspector's Signature

Date Approved

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

14160

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 05-0385	Issue Date: PERMIT ISSUED	CBL: 311 A012001
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Location of Construction: 31 Waldron Way	Owner Name: Philip Services/north Atlantic	Owner Address: 31 Waldron Way	Phone:
Business Name:	Contractor Name: Dirigo Waste Oil	Contractor Address: 92 College Ave. Waterville	Phone: 2078730881
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone:

Past Use: commercial	Proposed Use: commercial install a Clean Burn Boiler	Permit Fee: \$300.00	Cost of Work: \$31,000.00	CEO District: 5
		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: <i>U</i> Type: <i>Heating</i> <i>IBC / IMC 2003</i>	

Proposed Project Description:
Install a Clean Burn Boiler on the mezzanine.

Signature: _____ Date: _____

Action: Approved Approved w/Conditions Denied

Permit Taken By: dmartin	Date Applied For: 04/07/2005	Zoning Approval
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<p>1.</p> <p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>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..</p>	<p>Special Zone or Reviews</p> <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: _____	<p>Zoning Appeal</p> <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: _____	<p>Historic Preservation</p> <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: _____
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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

City of Portland, Maine - Building or Use Permit

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

Permit No: 05-0385	Date Applied For: 04/07/2005	CBL: 311 A012001
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Location of Construction: 31 Waldron Way	Owner Name: Philip Services/north Atlantic	Owner Address: 31 Waldron Way	Phone:
Business Name:	Contractor Name: Dirigo Waste Oil	Contractor Address: 92 College Ave Waterville	Phone (207) 873-0881
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: commercial install a Clean Bum Boiler	Proposed Project Description: Install a Clean Burn Boiler on the mezzanine.
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Note: **Ok to Issue:** **Dept:** Building **Status:** Approved with Conditions **Reviewer:** Tammy Munson **Approval Date:** 05/03/2005**Note:** **Ok to Issue:**

- 1) Installation shall comply with 2003 International Mechanical Code and State of Maine Oil and Solid Fuel Board Laws and Rules

Comments:

4/7/05-dmartin: Waiting for structural engineering info for the mezzanine. They have been notified that this is needed.

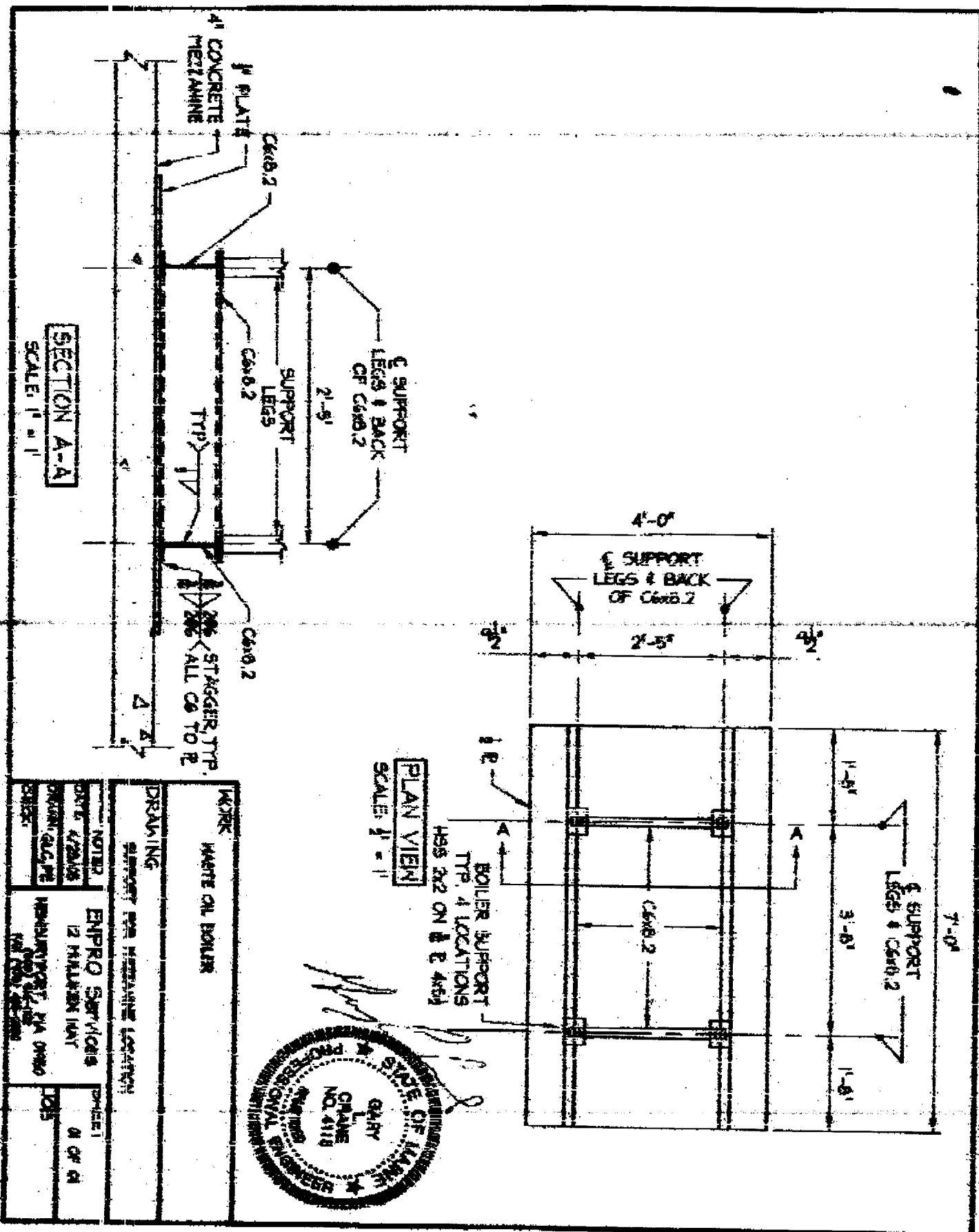
Fax

To: Donna Martin From: Gordon Childs
Fax: 874-8716 Pages: 4 incl Cover
Phone: 874-8703 Date: 2-28-05
Fas: 31 Walden Way CC:

Urgent For Review Please Comment Please Reply Please Recycle

here is the clearances for the equip
and the engineers drawing for the
boiler support structure

Enpro 31 Walden way
Portland Me



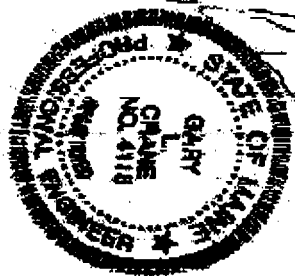
SECTION A-A

SCALE: 1" = 1'

PLAN VIEW

SCALE: 1/2" = 1'

BOILER SUPPORT
TYP. 4 LOCATIONS
HSS 3X2 ON 12 E 4x6



WORK
WASTE OIL BOILER

DRAWING
SUPPORT FOR HEAVYWEIGHT LOCATIONS

NOTED	ENPRO SERVICES	DATE	08/01/05
DATE	4/28/05	12 MILLIKEN UNIT	
DESIGNED BY	G.L.C.	REVISIONS	NO. 1
DATE	4/28/05	DESCRIPTION	REVISIONS
BY	G.L.C.	NO. 1	NO. 1
DATE	4/28/05	DESCRIPTION	REVISIONS
BY	G.L.C.	NO. 1	NO. 1

Gary L. Crane, PE
77 Town Farm Road
Oakland, Maine 04063
Tel (207) 465-8384
Fax (207) 465-7424
gcrane@agapcybusinessgroup.com

April 28, 2005

Daniel F. Trafford
ENPRO Services, Inc.
12 Mulligan Way
Newburyport, MA 01950

RE: Waste Oil Boiler
Mezzanine Support

Dan,

As requested, I have analyzed the mezzanine structure at your Portland, Me. Facility and designed a support for the boiler to be installed there. The attached drawing shows the design.

I received the following information on which the design was based:

- Boiler dry weight – 2,410 lbs.
- Boiler support leg design and footprint dimensions (as shown on the drawing)
- Boiler volume – 24 gallons of water
- Drawings "Issued For Construction" by HTA-OEST Associates, Inc. titled "Maine Coastal Services, Office & Maintenance Garage, Walden Way, Portland, Maine" and dated Dec. 1988.

From the construction drawings and my site inspection, I am able to certify that the mezzanine in question, located between column lines E & F and 1-6, was designed for a live load of 125 pounds per square foot (PSF) and you can consider this to be the maximum live loading that you may use.

The attached design for the boiler support provides a live loading of 110 PSF and is therefore safe to use. It may be installed in any location on the mezzanine identified in the previous paragraph.

Contact me if you have any questions or comments.

Thank you for the opportunity to be of service.

Very Truly Yours,

Gary L. Crane, PE



Selecting a Location (continued)

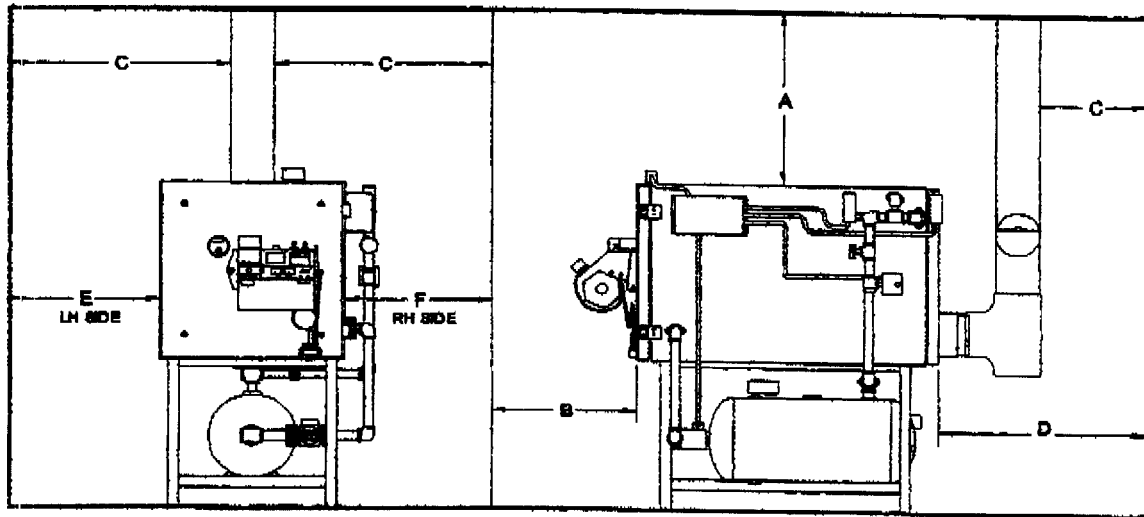


Figure 2A - CB-350-CTB Minimum Installation Clearances

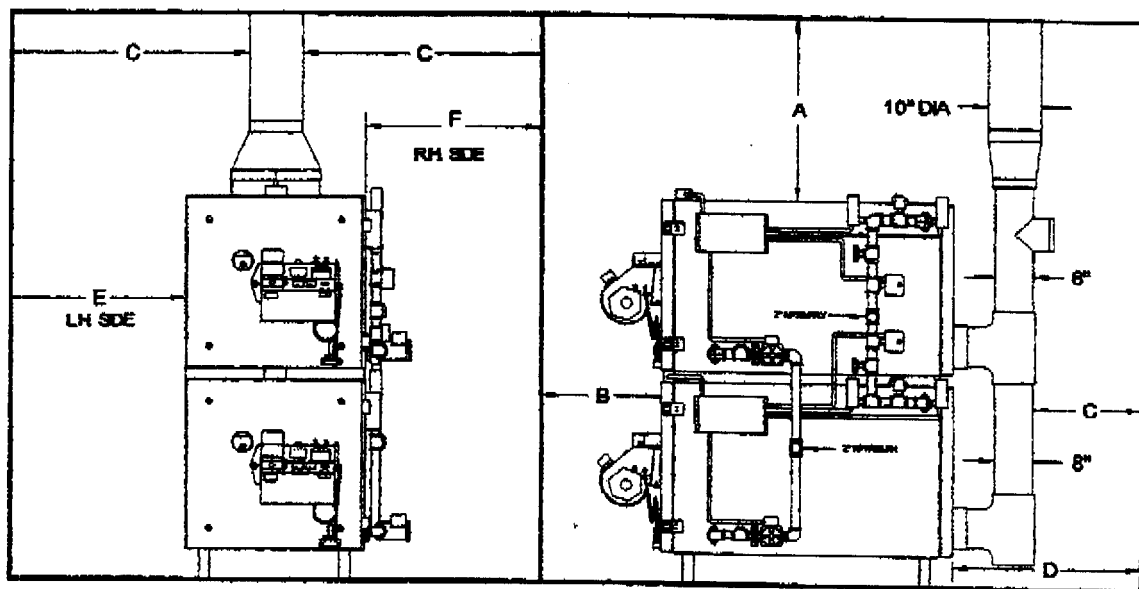


Figure 2B - CB-700-CTB Minimum Installation Clearances

Adhere to the following *minimum* clearances from combustible surfaces. Specifications are also provided for servicing clearance. Be sure to check state and local codes which may differ from these specifications. Refer to Figures 2A / 2C for the CB-350-CTB and Figures 2B / 2D for the CB-700-CTB.

<u>Fig. 2A/2B</u>	<u>Description</u>	<u>Clearance from Combustibles</u>	<u>Clearance for Service</u>
A	Above	6"	18"
B	Front	24"	48"
C	Stack	18"	18"
D	Rear	6"	36"
E	L.H. Side	6"	6"
F	R.H. Side	6"	32"