

AP 37 Custom House Wharf

July 25, 1950

Mr. E. C. Palmer
37 Custom House Wharf
Mr. Arthur Brackett
Torrington Point, P. I.

Copy to,
Proprietors of Custom House Wharf

Gentlemen,

With reference to application for a building permit in Mr. Palmer's name by Mr. Brackett as contractor to cover construction of a one story wooden frame addition about 29' x 42' to provide room for storage in connection with Mr. Palmer's shop at 37 Custom House Wharf, I find that the area of this long line of connected wooden frame buildings without sub-dividing fire walls, is far in excess of the unprotected area which would be allowed in a new building now.

Thus, the Building Code will not allow the construction of the addition unless there were placed between the present building and the addition a fire wall rated as having four hour fire resistance with double Class A fire doors at each opening in the dividing wall.

To provide a fire wall having four hour fire resistance would mean a masonry wall no less than 8" in thickness. Such a wall could not, of course, be supported upon the wooden construction of the wharf, and the difficulty and expense of providing a suitable foundation for such a wall is evident.

It is unfortunate that the buildings are not equipped with an automatic sprinkler system. In that case a fire dividing wall would still be required, but it could be of two hour fire resistance which allows for materials which could be supported upon the wharf.

To be of as much assistance as possible, I will outline what to me seems to be the alternative courses that you may pursue to get the additional space needed:

1. I believe Mr. Palmer's shop is only one story high. The Building Code would allow a second story large enough to care for the storage he needs, if he would be able to use the second story space economically, and if the present building and wharf are capable structurally of taking the added weight.

2. In conjunction with the owners of the wharf Mr. Palmer could consider a standard automatic sprinkler system throughout the stand of buildings. No doubt this would be fairly expensive as to first cost, but the relieving feature is that quite likely the system would pay for itself in a few years by savings and fire insurance rates both for tenants and owners of the wharf. Besides that there would be the great value of being rather sure that a disastrous fire would not take place upon the wharf and put everyone out of business, including Mr. Palmer.

Until a decision is reached upon this important matter, it is useless to proceed further with the structural check against the Building Code.

Will you be kind enough to advise your decision at an early date?

Very truly yours,

Harven McDonald
Inspector of Buildings

WKC/B



(1) INDUSTRIAL ZONE
APPLICATION FOR PERMIT

PHOTOM

Class of Building or Type of Structure Third Class

Portland, Maine, July 10, 1950

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for a permit to erect alter repair demolish install the following building structure equipment in accordance with the Laws of the State of Maine, the Building Code and Zoning Ordinance of the City of Portland, plans and specifications, if any, submitted herewith and the following specifications:

Location 57 Custom House Wharf Within Fire Limits? yes Dist. No. 2
Owner's name and address E. C. Palmer, 37 Custom House wharf Telephone _____
Lessee's name and address _____ Telephone _____
Contractor's name and address Arthur Brackett, Torrington Pt., Peaks Island Telephone _____
Architect _____ Specifications _____ Plans yes No. of sheets 3
Proposed use of building Storage shed (barrels, etc.) No. families _____
Last use _____ No. families _____
Material _____ No. stories _____ Heat _____ Style of roof _____ Roofing _____
Other buildings on same lot _____
Estimated cost \$ 800. Fee \$ 4.00

General Description of New Work

To construct 1 story frame building 23'3" x 42' as per plan.

All woodwork to be covered with sheet metal no less in thickness than 26 gauge or equivalent incombustible material, except window sashes, doors, not more than 21 square feet in area and except floors, posts and the underside of roofs of open platforms.

*No Permit
Blow denied*

It is understood that this permit does not include installation of heating apparatus which is to be taken out separately by and in the name of the heating contractor. PERMIT TO BE ISSUED TO

Details of New Work

Is any plumbing involved in this work? _____ Is any electrical work involved in this work? _____
Height average grade to top of plate _____ Height average grade to highest point of roof _____
Size, front _____ depth _____ No. stories _____ solid or filled land? _____ earth or rock? _____
Material of foundation _____ Thickness, top _____ bottom _____ cellar _____
Material of underpinning _____ Height _____ Thickness _____
Kind of roof _____ Rise per foot _____ Roof covering _____
No. of chimneys _____ Material of chimneys _____ of lining _____ Kind of heat _____ fuel _____
Framing lumber—Kind _____ Dressed or full size? _____
Corner posts _____ Sills _____ Girt or ledger board? _____ Size _____
Girders _____ Size _____ Columns under girders _____ Size _____ Max. on centers _____
Studs (outside walls and carrying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.
Joists and rafters: 1st floor _____, 2nd _____, 3rd _____, roof _____
On centers: 1st floor _____, 2nd _____, 3rd _____, roof _____
Maximum span: 1st floor _____, 2nd _____, 3rd _____, roof _____
If one story building with masonry walls, thickness of walls? _____ height? _____

If a Garage

No. cars now accommodated on same lot _____, to be accommodated _____ number commercial cars to be accommodated _____
Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building? _____

APPROVED:

Miscellaneous

Will work require disturbing of any tree on a public street? no
Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed? yes

E. C. Palmer

Signature of owner By

Arthur C. Brackett

INSPECTION COPY.

NOTES

1/28/50 - space to be added to
 that about 8' x 16'. No ques-
 tion of exits involved. New
 partition evidently has been
 built to separate this space
 from rest of building. It
 is hereby constructed.

2/9/50 - Work done E. P. S.

Permit No.	50-115
Location	1000 1/2 St. N. W. Wash. D. C.
Owner	W. D. ...
Date of permit	1/28/50
North closing-in	
Insp. closing-in	
Final No. 1	
Final No. 2	
Final Insp. 1	
Final Insp. 2	
Cert. of Occupancy issued	2/9/50

General Description of Work	To remove 1' of non-bearing partition ... on first floor.
Area of Work	
Material to be removed	
Material to be installed	
Remarks	
Inspector's Name	
Date of Inspection	
Inspector's Signature	
Owner's Signature	
City Engineer's Signature	

James H. ...

W. D. ...



APPLICATION FOR PERMIT TO ERECT SIGN OVER PUBLIC SIDEWALK OR STREET

Permit No. _____

I, the INSPECTOR OF BUILDINGS, PORTLAND, ME. Portland, Maine, January 5, 1950

The undersigned hereby applies for a permit to erect the following described sign extending over a public sidewalk or street in accordance with the Building Code of the City of Portland, and the following specifications:

Location 92 Commercial Street Within Fire Limits? yes Dist. No. 2

Number of building to which sign is to be attached _____

Name and address of owner of sign Lundgren's Cash Market, 92 Commercial St.

Contractor's name and address United Neon Display, 74 Elm Street Telephone 2-0695

When does contractor's bond expire? January 1951

Information Concerning Building

Number of stories 2 Material of wall to which sign is to be attached wood

Details of Sign and Connections

Electric? yes Vertical dimension after erection 3' Horizontal 4'

Weight 60 lbs. Will there be any hollow spaces? yes Any rigid frame? yes

Material of frame angle iron No. advertising faces 2 material plastic

Rigid connections 2 Are they fastened directly to frame of sign? yes

Fastenings through bolts none Size _____ Location, top or bottom _____

Fastenings by guys 3 material angle iron and cable Size 1x1/2x3/16" - 5/16"

Minimum clear height above sidewalk or street 11'

Minimum projection into street 4' 6"

Signature of contractor Lundgren's Cash Market United Neon Display Fee \$ 1.00

By: P. C. Roberts

OFFICIAL



APPLICATION FOR PERMIT
DEPARTMENT OF BUILDING INSPECTIONS SERVICES
ELECTRICAL INSTALLATIONS

Date Aug. 6, 1980, 19
 Receipt and Permit number 57572

To the CHIEF ELECTRICAL INSPECTOR, Portland, Maine:

The undersigned hereby applies for a permit to make electrical installations in accordance with the laws of Maine, the Portland Electrical Ordinance, the National Electrical Code and the following specifications:

LOCATION OF WORK: 16 Custom House Wharf
 OWNER'S NAME: Portland Boothbay Steamship Line

	FEES
OUTLETS:	
Receptacles <u>4</u> Switches <u>2</u> Plugmold _____ ft. TOTAL _____	3.00
FIXTURES: (number of)	
Incandescent _____ Fluorescent _____ (not strip) TOTAL _____	
Strip Fluorescent _____ ft. _____	
SERVICES:	
Overhead _____ Underground _____ Temporary _____ TOTAL amperes <u>100</u>	3.00
METERS: (number of) <u>1</u>	.50
MOTORS: (number of)	
Fractional _____	
1 HP or over _____	
RESIDENTIAL HEATING:	
Oil or Gas (number of units) _____	
Electric (number of rooms) _____	
COMMERCIAL OR INDUSTRIAL HEATING:	
Oil or Gas (by a main boiler) _____	
Oil or Gas (by separate units) _____	
Electric Under 20 kws _____ Over 20 kws _____	
APPLIANCES: (number of)	
Ranges _____ Water Heaters _____	
Cook Tops _____ Disposals _____	
Wall Ovens _____ Dishwashers _____	
Dryers _____ Compactors _____	
Fans _____ Others (denote) _____	
TOTAL _____	
MISCELLANEOUS: (number of)	
Branch Panels _____	
Transformers _____	
Air Conditioners Central Unit _____	
Separate Units (windows) _____	
Signs 20 sq. ft. and under _____	
Over 20 sq ft _____	
Swimming Pools Above Ground _____	
In Ground _____	
Fire/Burglar Alarms Residential _____	
Commercial _____	
Heavy Duty Outlets, 220 Volt (such as welders) 30 amps and under _____	
over 30 amps _____	
Circus, Fairs, etc. _____	
Alterations to wires _____	
Repairs after fire _____	
Emergency Lights, battery _____	
Emergency Generators _____	
	INSTALLATION FEE DUE: 6.50
FOR ADDITIONAL WORK NOT ON ORIGINAL PERMIT DOUBLE FEE DUE:	
FOR REMOVAL OF A "STOP ORDER" (304-16.b)	
	TOTAL AMOUNT DUE: 6.50

INSPECTION:

Will be ready on now, 1980; or Will Call _____

CONTRACTOR'S NAME: R. D. Electric
 ADDRESS: 94 Allen Ave.
 TEL: 797-6195
 MASTER LICENSE NO.: on file SIGNATURE OF CONTRACTOR: _____
 LIMITED LICENSE NO.: _____

INSPECTOR'S COPY — WHITE
 OFFICE COPY — CANARY
 CONTRACTOR'S COPY — GREEN

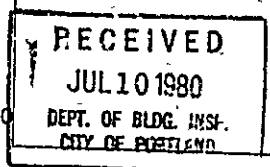


APPLICATION FOR PERMIT

B.O.C.A. USE GROUP

B.O.C.A. TYPE OF CONSTRUCTION 00.509

ZONING LOCATION PORTLAND, MAINE. July 10, 1980



To the DIRECTOR OF BUILDING & INSPECTION SERVICES, PORTLAND, MAINE

The undersigned hereby applies for a permit to erect, alter, repair, demolish, move or install the following building, structure, equipment or change use in accordance with the Laws of the State of Maine, the Portland B.O.C.A. Building Code and Zoning Ordinance of the City of Portland with plans and specifications, if any, submitted herewith and the following specifications:

LOCATION 38 Custom House Wharf Fire District #1 , #2

1. Owner's name and address Peter Kontaratos - same Telephone 774-7870
 Owner of Casco Bay Lines

2. Lessee's name and address Telephone

3. Contractor's name and address Glenn Murray - 552 Brighton Ave. Telephone 775-1110

4. Architect Specifications Plans No. of sheets

Proposed use of building Ticket and general office No. families

Last use No. families

Material No. stories Heat Style of roof Roofing

Other buildings on same lot

Estimated contractual cost \$ 1,600 Fee \$ 10.00

FIELD INSPECTOR—Mr. GENERAL DESCRIPTION

This application is for: @ 775-5451
 Dwelling Ext. 234

To construct structure to be used for ticket and general office, 7'3" x 6'8" as per plans. 2 sheets of plans.

Stamp of Special Conditions

NOTE TO APPLICANT: Separate permits are required by the installers and subcontractors of heating, plumbing, electrical and mechanicals.

PERMIT IS TO BE ISSUED TO 1 2 3 4

Other:

DETAILS OF NEW WORK

Is any plumbing involved in this work? Is any electrical work involved in this work?

Is connection to be made to public sewer? If not, what is proposed for sewage?

Has septic tank notice been sent? For notice sent?

Height average grade to top of plate Height average grade to highest point of roof

Size, front depth No. stories solid or filled land? earth or rock?

Material of foundation Thickness, top bottom cellar

Kind of roof Rise per foot Roof covering Kind of heat fuel

No. of chimneys Material of chimneys of lining Sills

Framing Lumber—Kind Dressed or full size? Corner posts

Size Girder Columns under girders Size Max. on centers

Studs (outside walls and carrying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.

Joists and rafters: 1st floor 2nd 3rd roof

On centers: 1st floor 2nd 3rd roof

Maximum span: 1st floor 2nd 3rd roof

If one story building with masonry walls, thickness of walls? height?

IF A GARAGE

No. cars now accommodated on same lot, to be accommodated ... number commercial cars to be accommodated ...

Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building?

APPROVALS BY: DATE

BUILDING INSPECTION—PLAN EXAMINER

ZONING:

BUILDING CODE:

Fire Dept.:

Health Dept.:

Others:

MISCELLANEOUS

Will work require disturbing of any tree on a public street?

Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed?

Signature of Applicant Glenn H. Murray Phone # same

Type Name of above Glenn Murray 1 2 3 4

Other and Address

FIELD INSPECTOR'S COPY

NOTES

7-9-80 Framed up add them
Come in for a permit - Mr S
7-31-80 completed - vinyl
Siding - S

[Empty lined area with a large X drawn across it]

Permit No. 806599
Location 28 Lincoln, N. W. 1/4 Sec 36 T14N R10E
Owner Lewis Ray State
Date of permit 9-10-80
Approved 7-10-80

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APPLICATION FOR PERMIT
 DEPARTMENT OF BUILDING INSPECTIONS SERVICES
 ELECTRICAL INSTALLATIONS

Date July 23, 19 79
 Receipt and Permit number A-28863

To the CHIEF ELECTRICAL INSPECTOR, Portland, Maine:

The undersigned hereby applies for a permit to make electrical installations in accordance with the laws of Maine, the Portland Electrical Ordinance, the National Electrical Code and the following specifications:

LOCATION OF WORK: 46 Custom House Wharf
 OWNER'S NAME: R & S Seafood Co. ADDRESS: same address

	FEES
OUTLETS: Receptacles _____ Switches _____ Plugmold _____ ft. TOTAL <u>1-30</u>	<u>3.00</u>
FIXTURES: (number of) Incandescent _____ Fluorescent _____ (not strip) TOTAL _____	
Strip Fluorescent _____ ft.	
SERVICES: Overhead _____ Underground _____ Temporary _____ TOTAL amperes _____	
METERS: (number of) _____	
MOTORS: (number of) Fractional _____	
1 HP or over _____	
RESIDENTIAL HEATING: Oil or Gas (number of units) _____	
Electric (number of rooms) _____	
COMMERCIAL OR INDUSTRIAL HEATING: Oil or Gas (by a main boiler) _____	
Oil or Gas (by separate units) _____	
Electric Under 20 kws _____ Over 20 kws _____	
APPLIANCES: (number of) Ranges _____ Water Heaters _____	
Cook Tops _____ Disposals _____	
Wall Ovens _____ Dish washers _____	
Dryers _____ Compactors _____	
Fans _____ Others (denote) _____	
TOTAL _____	
MISCELLANEOUS: (number of) Branch Panels _____	
Transformers _____	
Air Conditioners Central Unit _____	
Separate Units (windows) _____	
Signs 20 sq. ft. and under _____	
Over 20 sq. ft. _____	
Swimming Pools Above Ground _____	
In Ground _____	
Fire/Burglar Alarms Residential _____	
Commercial _____	
Heavy Duty Outlets, 220 Volt (such as welders) 30 amps and under _____	
over 30 amps _____	
Circus, Fairs, etc. _____	
Alterations to wires _____	
Repairs after fire _____	<u>3.00</u>
Emergency Lights, battery _____	
Emergency Generators _____	
INSTALLATION FEE DUE: _____	
FOR ADDITIONAL WORK NOT ON ORIGINAL PERMIT DOUBLE FEE DUE: _____	
FOR REMOVAL OF A "STOP ORDER" (304-16.b)	
TOTAL AMOUNT DUE: _____	<u>6.00</u>

INSPECTION: Will be ready on ready, 19 79; or Will Call _____
 CONTRACTOR'S NAME: Youngs Electric
 ADDRESS: 1400 Washington Ave.
 TEL: _____
 MASTER LICENSE NO.: 3288 SIGNATURE OF CONTRACTOR: _____
 LIMITED LICENSE NO.: _____

INSPECTOR'S COPY -- WHITE
 OFFICE COPY -- CANARY
 CONTRACTOR'S COPY -- GREEN



APPLICATION FOR PERMIT
DEPARTMENT OF BUILDING INSPECTIONS SERVICES
ELECTRICAL INSTALLATIONS

Date Sept. 13, 19 77
 Receipt and Permit number A03185

To the CHIEF ELECTRICAL INSPECTOR, Portland, Maine:

The undersigned hereby applies for a permit to make electrical installations in accordance with the laws of Maine, the Portland Electrical Ordinance, the National Electrical Code and the following specifications:

LOCATION OF WORK: 6 Custom House Wharf
 OWNER'S NAME: Boone's Restaurant ADDRESS: same

OUTLETS: (number of)

Lights	_____	
Receptacles	_____	FEES
Switches	_____	
Plugmold	_____ (number of feet)	
TOTAL	_____	_____

FIXTURES: (number of)

Incandescent	_____	
Fluorescent	_____ (Do not include strip fluorescent)	
TOTAL	_____	_____
Strip Fluorescent, in feet	_____	_____

SERVICES:

Permanent, total amperes	_____	_____
Temporary	_____	_____

METERS: (number of) _____

MOTORS: (number of)

Fractional	_____	_____
1 HP or over	_____	_____

RESIDENTIAL HEATING:

Oil or Gas (number of units)	_____	_____
Electric (number of rooms)	_____	_____

COMMERCIAL OR INDUSTRIAL HEATING:

Oil or Gas (by a main boiler)	_____	_____
Oil or Gas (by separate units)	_____	_____
Electric (total number of kws)	_____	_____

APPLIANCES: (number of)

Ranges	_____	Water Heaters	_____
Cook Tops	_____	Disposals	_____
Wall Ovens	_____	Dishwashers	_____
Dryers	_____	Compactors	_____
Fans	_____	Others (denote)	_____
TOTAL	_____		_____

MISCELLANEOUS: (number of)

Branch Panels	_____	_____
Transformers	_____	_____
Air Conditioners	_____	_____
Signs	<u>X</u>	<u>3.00</u>
Fire/Burglar Alarms	_____	_____
Circus, Fairs, etc.	_____	_____
Alterations to wires	_____	_____
Repairs after fire	_____	_____
Heavy Duty, 220v outlets	_____	_____
Emergency Lights, battery	_____	_____
Emergency Generators	_____	_____

INSTALLATION FEE DUE: _____

FOR ADDITIONAL WORK NOT ON ORIGINAL PERMIT DOUBLE FEE DUE: _____

FOR REMOVAL OF A "STOP ORDER" (304-16 b) _____

FOR PERFORMING WORK WITHOUT A PERMIT (304-9) _____

TOTAL AMOUNT DUE: 3.00

INSPECTION:
 Will be ready on _____, 19____; or Will Call xxx

CONTRACTOR'S NAME: Curran Electric
 ADDRESS: 49 Dartmouth St.
 TEL.: 772-5424

MASTER LICENSE NO.: 1579
 LIMITED LICENSE NO.: _____

SIGNATURE OF CONTRACTOR
Neil H. Raymond

INSPECTOR'S COPY



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, November 2, 1971

PERMIT ISSUED

NOV 2 1971

366

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 9 Custom House Wharf Use of Building Fish market No. Stories 2 New Building Existing
Name and address of owner of appliance Harbor Fish Market Co., 9 Custom House Wharf
Installer's name and address Northern Utilities, 5 Temple St. Telephone

General Description of Work

To install gas-fired UA 100 Reznor unit heater

IF HEATER, OR POWER BOILER

Location of appliance 1st floor Any burnable material in floor surface or beneath? no
If so, how protected? suspended from ceiling Kind of fuel? gas
Minimum distance to burnable material, from top of appliance or casing top of furnace 9"
From top of smoke pipe 9" From front of appliance 18" From sides or back of appliance 18"
Size of chimney flue 8x8 Other connections to same flue none
If gas fired, how vented? to chimney Rated maximum demand per hour
Will sufficient fresh air be supplied to the appliance to insure proper and safe combustion? yes

IF OIL BURNER

Name and type of burner Labelled by underwriters' laboratories?
Will operator be always in attendance? Does oil supply line feed from top or bottom of tank?
Type of floor beneath burner Size of vent pipe
Location of oil storage Number and capacity of tanks
Low water shut off Make No.
Will all tanks be more than five feet from any flame? How many tanks enclosed?
Total capacity of any existing storage tanks for furnace burners

IF COOKING APPLIANCE

Location of appliance Any burnable material in floor surface or beneath?
If so, how protected? Height of Legs, if any
Skirting at bottom of appliance? Distance to combustible material from top of appliance?
From front of appliance From sides and back From top of smokepipe
Size of chimney flue Other connections to same flue
Is hood to be provided? If so, how vented? Forced or gravity?
If gas fired, how vented? Rated maximum demand per hour

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

Equipped with automatic shutoff

Amount of fee enclosed? 4.00 (\$2.00 for one heater, etc., \$1.00 additional for each additional heater, or in same building at same time.)

APPROVED:

Signature of Inspector: O.K. E.S. 11/2/71

Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed? yes Northern Utilities

Signature of Installer By: C. Leighton

INSPECTION COPY



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, Oct. 13, 1971

PERMIT ISSUED OCT 15 1971 296 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 37 Custom House Wharf Use of Building storage bldg. No. Stories 1 1/2 New Building Existing " Name and address of owner of appliance Seacoast Ocean Services, Inc. 37 Custom House Wharf Installer's name and address Giroux Oil Service Co., 343 Warren Ave. Telephone 797-7111

FODA

General Description of Work

To install FLOD forced warm air heating system and oil burning equipment in place of stove heat (tank to be in a tank well)

IF HEATER, OR POWER BOILER

Location of appliance first floor Any burnable material in floor surface or beneath? no If so, how protected? Kind of fuel? oil Minimum distance to burnable material, from top of appliance or casing top of furnace 18" From top of smoke pipe 18" From front of appliance over 4' From sides or back of appliance over 4' Size of chimney flue 10" prefab Other connections to same flue no If gas fired, how vented? Rated maximum demand per hour Will sufficient fresh air be supplied to the appliance to insure proper and safe combustion?

IF OIL BURNER

Name and type of burner Texaco Labelled by underwriters' laboratories? yes Will operator be always in attendance? Does oil supply line feed from top or bottom of tank? top Type of floor beneath burner cement Size of vent pipe 1 1/2" Location of oil storage first floor inside Number and capacity of tanks 275 gal. Low water shut off inside tank well Make No. Will all tanks be more than five feet from any flame? yes How many tanks enclosed? Total capacity of any existing storage tanks for furnace burners

IF COOKING APPLIANCE

Location of appliance Any burnable material in floor surface or beneath? If so, how protected? Height of Legs, if any Skirting at bottom of appliance? Distance to combustible material from top of appliance? From front of appliance From sides and back From top of smokepipe Size of chimney flue Other connections to same flue Is hood to be provided? If so, how vented? Forced or gravity? If gas fired, how vented? Rated maximum demand per hour

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

250 FLOD FODA 730

Amount of fee enclosed: 10.00 (2.00 for one heater, etc.; \$1.00 additional for each additional heater, etc., in same building at same time.)

APPROVED: OK E.S.S. 10/13/71

Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed? Yes

Giroux Oil Service Co.

Signature of Installer By: [Signature]

CS 300

INSPECTION COPY



APPLICATION FOR PERMIT

Class of Building or Type of Structure _____
Portland, Maine, October 13, 1971

PERMIT ISSUED
OCT 15 1971
295
CITY of PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for a permit to erect alter repair demolish install the following building structure equipment in accordance with the Laws of the State of Maine, the Building Code and Zoning Ordinance of the City of Portland, plans and specifications, if any, submitted herewith and the following specifications:

Location 37 Custom House Wharf Within Fire Limits? _____ Dist. No. _____
Owner's name and address Sea Coast Ocean Services, Inc. 37 Custom House Wharf Telephone _____
~~Owner's~~ name and address Giroux Oil Service Co., 343 Warren Ave. Telephone 797-7111
Contractor's name and address _____ Telephone _____
Architect _____ Specifications _____ Plans _____ No. of sheets _____
Proposed use of building Storage Bldg. No. families _____
Last use _____ No. families _____
Material _____ No. stories _____ Heat _____ Style of roof _____ Roofing _____
Other buildings on same lot _____
Estimated cost \$ 350. Fee \$ 3.00

General Description of New Work

To install Metalbestos pre-fab chimney. No. 2 oil, forced warm air.
10" . Supported with steel support. A 10" plug at the base for cleanout.

It is understood that this permit does not include installation of heating apparatus which is to be taken out separately by and in the name of the heating contractor. **PERMIT TO BE ISSUED TO** Contractor

Details of New Work

Is any plumbing involved in this work? _____ Is any electrical work involved in this work? _____
Is connection to be made to public sewer? _____ If not, what is proposed for sewage? _____
Has septic tank notice been sent? _____ Form notice sent? _____
Height average grade to top of plate _____ Height average grade to highest point of roof _____
Size, front _____ depth _____ No. stories _____ solid or filled land? _____ earth or rock? _____
Material of foundation _____ Thickness, top _____ bottom _____ cellar _____
Kind of roof _____ Rise per foot _____ Roof covering _____
No. of chimneys _____ Material of chimneys _____ of lining _____ Kind of heat _____ fuel _____
Framing Lumber--Kind _____; Dressed or full size? _____ Corner posts _____ Sills _____
Size Girder _____ Columns under girders _____ Size _____ Max. on centers _____
Studs (outside walls and carrying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.
Joists and rafters: 1st floor _____, 2nd _____, 3rd _____, roof _____
On centers: 1st floor _____, 2nd _____, 3rd _____, roof _____
Maximum span: 1st floor _____, 2nd _____, 3rd _____, roof _____
If one story building with masonry walls, thickness of walls? _____ height? _____

If a Garage

No. cars now accommodated on same lot _____, to be accommodated _____ number commercial cars to be accommodated _____
Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building? _____

APPROVED:

O.K. - EJ - 10/13/71

Miscellaneous

Will work require disturbing of any tree on a public street? _____
Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed? yes

Giroux Oil Service

CS 301

INSPECTION COPY

Signature of owner By: _____

CITY OF PORTLAND, MAINE

Application for Permit to Install Wires

Permit No. 55369
 Issued 10-4-71
 Portland, Maine Oct 4, 1971

To the City Electrician, Portland, Maine:

The undersigned hereby applies for a permit to install wires for the purpose of conducting electric current, in accordance with the laws of Maine, the Electrical Ordinance of the City of Portland, and the following specifications:

(This form must be completely filled out — Minimum Fee \$1.00)

Owner's Name and Address Account on Service - Prop of Custom Home W/H

Contractor's Name and Address Curran Electric Co Tel.

Location 23 Custom Home W/H Use of Building

Number of Families Apartments Stores Number of Stories

Description of Wiring: New Work Additions Alterations

Pipe Cable Metal Molding BX Cable Plug Molding (No. of feet)

No. Light Outlets Plugs Light Circuits Plug Circuits

FIXTURES: No. Fluor. or Strip Lighting (No. feet)

SERVICE: Pipe Cable Underground No. of Wires 3 Size 100 Amp.

METERS: Relocated Added Total No. Meters

MOTORS: Number Phase H. P. Amps Volts Starter

HEATING UNITS: Domestic (Oil) No. Motors Phase H.P.

Commercial (Oil) No. Motors Phase H.P.

Electric Heat (No. of Rooms)

APPLIANCES: No. Ranges Watts Brand Feeds (Size and No.)

Elec. Heaters Watts

Miscellaneous Watts Extra Cabinets or Panels

Transformers Air Conditioners (No. Units) Signs (No. Units)

Will commence 19 71 Ready to cover in will call 19 71 Inspection 19 71

Amount of Fee \$ 2.00

Signed Curran Electric Co.

DO NOT WRITE BELOW THIS LINE

SERVICE		METER		GROUND	
VISITS: 1	2	3	4	5	6
..... 7	8	9	10	11	12
REMARKS:					

INSPECTED BY F. H. H.
.....
 (COVER)

6
P



APPLICATION FOR PERMIT

Class of Building or Type of Structure _____
Portland, Maine, October 13, 1971

PERMIT ISSUED
OCT 15 1971
1295
CITY of PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for a permit to erect alter repair demolish install the following building structure equipment in accordance with the Laws of the State of Maine, the Building Code and Zoning Ordinance of the City of Portland, plans and specifications, if any, submitted herewith and the following specifications:

Location 37 Custom House Wharf Within Fire Limits? _____ Dist. No. _____
Owner's name and address Sea Coast Ocean Services, Inc. 37 Custom House Wharf Telephone _____
Lessee's name and address Giroux Oil Service Co., 343 Warren Ave. Telephone 797-7111
Contractor's name and address _____ Telephone _____
Architect _____ Specifications _____ Plans _____ No. of sheets _____
Proposed use of building Storage Bldg. No. families _____
Last use _____ No. families _____
Material _____ No. stories _____ Heat _____ Style of roof _____ Roofing _____
Other buildings on same lot _____
Estimated cost \$ 350. Fee \$ 3.00

General Description of New Work

To install Metalbestos pre-fab chimney. No. 2 oil, forced warm air.
10" . Supported with steel support. A 10" plug at the base for cleanout.

It is understood that this permit does not include installation of heating apparatus which is to be taken out separately by and in the name of the heating contractor. **PERMIT TO BE ISSUED TO Contractor**

Details of New Work

Is any plumbing involved in this work? _____ Is any electrical work involved in this work? _____
Is connection to be made to public sewer? _____ If not, what is proposed for sewage? _____
Has septic tank notice been sent? _____ Form notice sent? _____
Height average grade to top of plate _____ Height average grade to highest point of roof _____
Size, front _____ depth _____ No. stories _____ solid or filled land? _____ earth or rock? _____
Material of foundation _____ Thickness, top _____ bottom _____ cellar _____
Kind of roof _____ Rise per foot _____ Roof covering _____
No. of chimneys _____ Material of chimneys _____ of lining _____ Kind of heat _____ fuel _____
Framing Lumber--Kind _____ Dressed or full size? _____ Corner posts _____ Sills _____
Size Girder _____ Columns under girders _____ Size _____ Max. on centers _____
Studs (outside walls and carrying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.
Joists and rafters: 1st floor _____, 2nd _____, 3rd _____, roof _____
On centers: 1st floor _____, 2nd _____, 3rd _____, roof _____
Maximum span: 1st floor _____, 2nd _____, 3rd _____, roof _____
If one story building with masonry walls, thickness of walls? _____ height? _____

If a Garage

No. cars now accommodated on same lot _____, to be accommodated _____ number commercial cars to be accommodated _____
Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building? _____

APPROVED:

Miscellaneous

Will work require disturbing of any tree on a public street? _____
Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed? yes

Giroux Oil Service

CS 301

FILE COPY

Signature of owner By:



RM

FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

PERMIT
OCT 24
CITY of PORTLAND

Portland, Maine, October 24, 1949

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

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 13 Custom House Wharf Use of Building Ship Supply Store No. Stories 2 Existing Building
Name and address of owner of appliance Nordir Ship Supply Co., Inc., 13 Custom House Wharf
Installer's name and address Harris Oil Co., 202 Commercial St. Telephone 2-8304

General Description of Work

To install forced warm air heating system and oil burning equipment in place of stove heat

IF HEATER, OR POWER BOILER

Permit Issued with memo

Location of appliance or source of heat second floor Type of floor beneath appliance concrete
If wood, how protected? _____ Kind of fuel oil
Minimum distance to wood or combustible material, from top of appliance or casing top of furnace 6'
From top of smoke pipe 6' From front of appliance 4' From sides or back of appliance 3'
Size of chimney flue 8x13 Other connections to same flue none
If gas fired, how vented? _____ Rated maximum demand per hour _____

IF OIL BURNER

Name and type of burner General Electric Labelled by underwriter's laboratories? yes
Will operator be always in attendance? _____ Does oil supply line feed from top or bottom of tank? top
Type of floor beneath burner steel dyke WOOD INSULATED
Location of oil storage first floor (STEEL DYKE) Number and capacity of tanks 1-275 gal.
If two 275-gallon tanks, will three-way valve be provided? _____
Will all tanks be more than five feet from any flame? yes How many tanks fire proofed? _____
Total capacity of any existing storage tanks for furnace burners none

IF COOKING APPLIANCE

Location of appliance _____ Kind of fuel _____ Type of floor beneath appliance _____
If wood, how protected? _____
Minimum distance to wood or combustible material from top of appliance _____
From front of appliance _____ From sides and back _____ From top of smokepipe _____
Size of chimney flue _____ Other connections to same flue _____
Is hood to be provided? _____ If so, how vented? _____
If gas fired, how vented? _____ Rated maximum demand per hour _____

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

See attached sketch.

Amount of fee enclosed? 2.00 (\$200 for one heater, etc., 50 cents additional for each additional heater, etc., in same building at same time.)

APPROVED:
Oct. 10. 24. 49
with memo by GJS

Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed? yes

Harris Oil Co.

Signature of Installer by: A. E. Mahan

Memorandum from Department of Building Inspection, Portland, Maine

13 Custom House Wharf--Installation of heating system and oil burning
equipment for Nordic Ship Supply Company, Inc. by
Harris Oil Company--10/25/49

Permit for installation of warm air heating system is issued here-
with. Investigation should be made of the second floor framing to make
certain the considerable weight of the insulated slab and furnace will
not overload it. Strengthening should be provided if it seems needed.

AJS/3

CC: Nordic Ship Supply Company, Inc.
13 Custom House Wharf

(Signed) **Warren McDonald**
Inspector of Buildings



RMC

FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, May 23, 1949

PERMIT ISSUED
01839
OCT 25 1949
CITY OF PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

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 92 Commercial Street Use of Building Store No. Stories 1 New Building Existing "
Name and address of owner of appliance Lundgren's Market
Installer's name and address Charles A. Bates, Elmwood Ave., Scarborough Telephone _____

General Description of Work

To install warm air heating system & oil burning equipment
Sent to Fire Dept. 10/14/49
Rec'd from Fire Dept. 12/17/49

IF HEATER, OR POWER BOILER

Location of appliance or source of heat First floor Type of floor beneath appliance wood
If wood, how protected? Tile 1" x 16" x 60" Kind of fuel oil
Minimum distance to wood or combustible material, from top of appliance or casing top of furnace 39"
From top of smoke pipe 12" From front of appliance 19" From sides or back of appliance 32" s 19" & 60"
Size of chimney flue 6" Other connections to same flue none
If gas fired, how vented? _____ Rated maximum demand per hour _____

IF OIL BURNER

Name and type of burner Quaker Labelled by underwriter's laboratories? yes
Will operator be always in attendance? _____ Does oil supply line feed from top or bottom of tank? bottom
Type of floor beneath burner Tile 1"
Location of oil storage stand near burner Number and capacity of tanks 2 gal cap 1-110 gal
If two 275-gallon tanks, will three-way valve be provided? _____
Will all tanks be more than five feet from any flame? _____ How many tanks fire proofed? _____
Total capacity of any existing storage tanks for furnace burners _____

IF COOKING APPLIANCE

Permit Issued with Letter

Location of appliance _____ Kind of fuel _____ Type of floor beneath appliance _____
If wood, how protected? _____
Minimum distance to wood or combustible material from top of appliance _____
From front of appliance _____ From sides and back _____ From top of smoke pipe _____
Size of chimney flue _____ Other connections to same flue _____
Is hood to be provided? _____ If so, how vented? _____
If gas fired, how vented? _____ Rated maximum demand per hour _____

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

9" above floor timber
18" collar through ceiling with wire screen guard to protect smoke pipe.
10 Windows over main store 2 windows over part where heater is located. There is no floor on room over heater.
22' of 6" smoke pipe impossible to connect on 1st on account of head clearance!

Amount of fee enclosed? 2.00 (\$1.00 for one heater, etc., 50 cents additional for each additional heater, etc., in same building at same time.)

APPROVED:

CITY OF PORTLAND, ME.

Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed? yes

Signature of Installer Charles A. Bates

AP 92 Commercial Street-1
(Installation of warm air
furnace and oil burning
equipment)

October 25, 1949.

Mr. Edward F. Lundgren, Manager
92 Commercial Street
Mr. Charles A. Bates
Elmwood Avenue
Scarborough, Maine
Mr. Ralph E. French
103 Wilmet Street

Subject: Building permit for installation
of warm air furnace and oil burning equip-
ment for Lundgren's Market at 92 Commercial
Street

Gentlemen:

Now that I understand that the hollow tile at least 4" in thickness has been provided beneath the furnace and the other questions have been cleared up, the permit is issued herewith to Mr. Bates, but subject to the conditions stated below.

In connection with the insulating tile beneath the furnace, while the Building Code calls for 4" tile in such a case, we have had the disturbing experience of having an oil-fired steam boiler installed with the correct amount of insulation as provided by the Building Code and still the heat from the oil burner has traveled downward and set fire to the woodwork beneath. It seems certain therefore that the requirements of the Building Code in this particular are not safe in every case. Mr. Lundgren is urged to take every precaution to see to it that his appliance does not act in the same way. Perhaps additional insulation may be provided beneath the burner flame above the base of the furnace. At any rate he should take great care to see to it that the vent flues of the hollow tile are continuous and are kept without obstruction so that in case of intense heat striking downward there will be a tendency for the heat to pass outward and upward without doing harm. I recommend strongly that he keep track of the temperatures inside of this tile and if it gets extremely hot that he make arrangements to provide more insulation as a fire would likely be more disastrous to him and perhaps to the entire water front to far outweigh the cost of providing suitable insulation. It is unfortunate that this situation has arisen but it is a result of development of new appliances and varying conditions. We are taking steps to draw the matter to the attention of the City Council with the thought that the Building Code may be amended.

1. Sufficient fresh air must be admitted to the boiler room so that the oil burner flame will operate efficiently. If there is too little fresh air admitted an explosion is likely to ensue. I do not know if there are any windows or doors in the boiler room but if it is fairly tight, it would be well to make a definite ventilating device to the outside air in the passageway.

2. When I was in the boiler room it happened that a great deal of combustible material was stored there, and while Mr. Lundgren explained that that was a temporary measure, certainly of it must be cleared out before the oil burner is started and kept cleared out or trouble will ensue, if not from fire, at least from the Fire Department.

3. The metal smokepipe extending up through the ceiling and the attic space and the roof sets upon several layers of hollow tile, a structure that did not seem permanently stable. It may be found necessary to extend the metal pipe farther down, have less tile beneath it and to anchor it in some manner. In that case a cleancut device should be at the bottom of the pipe.

4. It will be necessary for Mr. French to make a removable panel or openable door in the sheet metal encasement of the smokepipe above the second floor so that the condition of the smokepipe can be inspected from time to time as necessary.

Mr. Edward P. Lundgren
Mr. Charles A. Bates
Mr. Ralph S. French

October 25, 1949

5. Mr. French has agreed to make a considerable number of 3/4" holes in the sloping part of the thimble where it runs up from the roof level to join the stack and to provide some type of shield over the top of the holes to keep out the weather. This is necessary to avoid heat banking up at the top of the thimble, especially if fire should take place within the smokepipe.

6. The floor flanges of the legs supporting the fuel oil tank are to be fastened down to the wharf. Where the fuel oil line is to pass through the outer tank or dike, care must be exercised to make connection with the outer tank oil-tight.

7. The tank and stand are to be enclosed by a wooden, box-like structure using the sides of the building as two sides when enclosing the tank and stand, without coming in contact with it, in such a way that access may be had to the tank but that the box may be locked up. The outside of this box is to be covered with galvanized metal or asbestos lumber with tight joints. Arrangement of fill pipe is to be such that should spillage take place at the time of filling, it will run down inside the outer tank or dike. The vent pipe from the tank is to extend through the enclosing "box" and to the open air out beyond the canopy over the wharf.

8. Perhaps some small saving could be made by not making the outer tank or dike so high. It is only necessary to make the outer tank large enough in volume so that should the 110 gallon tank be full, and spring a leak, the oil would run out to such a level as to be at least 1" below the upper edge of the sides of the outer tank. Of course all of the oil in the 110 gallon tank would not run out, but the oil would seek its level in the two tanks.

Please notify this office for inspection when the job is completely done, and in case of doubt about any feature ask Mr. Thurlow of this office before going ahead.

Very truly yours,

Warren McDonald
Inspector of Buildings

W McD/G



DMJ 10/23

FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, Oct 11/49

PERMIT ISSUED OCT 7 1949 CITY OF PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

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 21 Centron Hall Way Use of Building Machine Shop No. Stories 1 New Building Existing
Name and address of owner of appliance Williams Bros Co Inc
Installer's name and address Ballard Oil Equipment Telephone 2-1991

General Description of Work

To install ECO Essex Burner in existing Steam Boiler

IF HEATER, OR POWER BOILER

Location of appliance or source of heat Type of floor beneath appliance
If wood, how protected? Kind of fuel
Minimum distance to wood or combustible material, from top of appliance or casing top of furnace
From top of smoke pipe From front of appliance From sides or back of appliance
Size of chimney flue Other connections to same flue
If gas fired, how vented? Rated maximum demand per hour

IF OIL BURNER

Name and type of burner Essex EC-2 Labelled by underwriter's laboratories? yes
Will operator be always in attendance? No Does oil supply line feed from top or bottom of tank? Top
Type of floor beneath burner Steel Plate + Hollow Tile on wood floor
Location of oil storage Street floor Number and capacity of tanks 1-275
If two 275-gallon tanks, will three-way valve be provided?
Will all tanks be more than five feet from any flame? yes How many tanks fire proofed? None, listed
Total capacity of any existing storage tanks for furnace burners None

IF COOKING APPLIANCE

Location of appliance Kind of fuel Type of floor beneath appliance
If wood, how protected?
Minimum distance to wood or combustible material from top of appliance
From front of appliance From sides and back From top of smokepipe
Size of chimney flue Other connections to same flue
Is hood to be provided? If so, how vented?
If gas fired, how vented? Rated maximum demand per hour

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

Burner in furnace

Oil tank to rest in a steel dish capable of holding contents of tank with 4 1/2" spare.

Boiler is now set up 6 1/2" from floor on 2 I Beams and steel plate. Web to support steel plate in middle with firebrick prevent any possible warping.

Amount of fee enclosed? (\$1.00 for one heater, etc., 50 cents additional for each additional heater, etc., in said building at same time.)

APPROVED:

OK 10-6-49 Pmt

Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed?

Signature of Installer

Ballard Oil Equipment

INSPECTION COPY

RECEIVED OCT 15 1949 DEPT. OF BLD'G. INS. CITY OF PORTLAND

TELEPHONE 2-0138

RMP
To check
+ file
11/24/49

WILLIAMS BROTHERS CO., INC.

Machinists and Welders

31-25 CUSTOM HOUSE WHARF

PORTLAND 2, MAINE November 21st 1949

Mr. Warren McDonald
Inspector of Buildings
Portland, Maine.

Dear Sir:-

Referring to your letter of the 10th- File BP Custom
House Wharf-1.

We have made the changes in the Dyke Tank as requested
and same is ready for your inspection at your convenience.

Very truly yours

Williams Bros. Co. Inc.

By *J.P. Williams*
Pres.

(copy)

RECEIVED
NOV 22 1949
DEPT. OF BLD'G. INSP.
CITY OF PORTLAND

BP 21 Custom House Wharf-I

11/21/49/T

November 10, 1949

Williams Bros. Company, Inc.
21 Custom House Wharf
Ballard Oil & Equipment Company
135 Marginal Way

Subject: Question of dike tank being
large enough to hold contents of
fuel oil tank at 21 Custom House
Wharf

Gentlemen:

The size of the dike tank, 62" x 35" x 24", at the above location according to my figures is not large enough to hold the contents of the fuel oil tank. These figures have not made any allowance for the four inches as required.

If you agree on these figures, will you increase the height of the size of this dike and notify this office when the correction has been made? If you disagree with these figures, please call Mr. Thurlow of this office.

Very truly yours,

Warren McDonald
Inspector of Buildings

RNT/G

P.S. As a margin of safety to guard against overflowing the dike tank, we expect the top edge of sides and ends to be 4" above oil level should full tank leak. On this basis your dike tank, according to our figures, ought to be 33 inches deep, instead of 24 inches.

INQUIRY BLANK

File

ZONE 1

FIRE DIST. 2

CITY OF PORTLAND, MAINE
DEPARTMENT OF BUILDING INSPECTION

Date August 19, 1949

~~Verbal~~
By Telephone

LOCATION 13 Custom Ho. Whf OWNER _____

MADE BY Herbert C. Malvard, Harris Oil Co. TEL. 2-8304

ADDRESS _____

PRESENT USE OF BUILDING Warehouse

CLASS OF CONSTRUCTION Fluid NO. OF STORIES 2

REMARKS: _____

*MS
with
files*

INQUIRY: 1- What clearances would be required from combustible material to sides + back of General Electric warm air furnace, well insulated and approved by Und. Lab. for 3" clearance? One furnace to be installed in 1st story and one in 2nd story of above building. To be oil fired.

ANSWER: 1- Minimum clearance of 12" for insulated heaters would apply. Since building only two stories high, it is allowable to have furnace in each of second story without enclosure. However, no oil tank of over 60 gals. capacity may be located above first story. Oil tank probably required and protection on wooden floor as specified by B.C. necessary beneath heaters

DATE OF REPLY 8/18/49 REPLY BY AGS

File: AP 92 Commercial Street-I

Oliver T. Sanborn, Chief of the Fire Department

October 3, 1949

Warren McDonald, Inspr. of Bldgs.

Installation of oil burning equipment at 92 Commercial Street
(on file wharf—Custom House)

This has been a long drawn out job since installation of both furnace and oil burning equipment without a permit early last spring. Please note attached copy of letter to owner and installer with relation to the "diked" fuel oil tank.

I talked this situation over with you early in the summer, but the owner has delayed action in the matter until now he needs heat.

Principal problem left to be solved is the location of the 110 gallon fuel oil tank and how it shall be arranged for safety.

That we may get the matter straightened out as soon as possible, while we are awaiting a new detail of the tank and "dike", will you consider the matter, and, if satisfactory, approve the permit based on conditions which you may have with regard to location and arrangement of the oil tank. Particularly:

Should tank and "dike" be enclosed to prevent meddling, since the tank is to be in rather a public place? If enclosure is needed, it would have to be covered with metal on the outside and presumably would require a lift-up top on the enclosure, or a door at the side for access.

What arrangement should be made about filling? Presumably they would drag a hose down from Commercial Street, and the fill pipe ought to pass through any required enclosure. Ought not the filling arrangement be such that any spillage during the operation would run into the "dike" instead of down on the wharf?

How far ought the fuel oil tank be from the existing building? In view of the situation and especially if you require the tank and "dike" to be enclosed, it hardly seems feasible to require the tank to be 5' away from the building as would normally be the case according to Underwriters regulations.

WMCD/G

Inspector of Buildings

P. S. The location on sketch outlined in red is the one now proposed for the fuel oil tank.

Enclosure: Application papers and copy of letter to owner and installer.

AP 92 Commercial Street

October 3, 1949

Mr. Charles A. Bates
Oakwood Avenue
Scarborough, Maine
Portland Copper & Tank Works, Inc.
80 Second Street
South Portland, Maine
Mr. Edward F. Lundgren
52 Commercial Street

Subject: Application for belated building permit to cover installation of warm air heating system and oil burning equipment at Lundgren's Market, 92 Commercial Street

Gentlemen:

Portland Copper & Tank Works' plan indicating the design of the fuel oil tank, filed here October 1 shows that there is general misunderstanding of the purpose of the special tank. Contrary to the usual requirements, the tank is to be supported on legs on the wooden wharf deck, and it is feared that, if sometime in the future, the tank should spring a leak, the fuel oil would not only soak the planking of the wharf, but would run down through the pile wharf and reach tide water where it would spread out over the surface of the water and create a severe fire hazard to the waterfront.

Because of this threat, the permit for the oil burning equipment can only be issued if an outer "basin" is provided beneath and around the tank, which would have to be oil tight of itself, open at the top, of such a capacity between its shell and the shell of the tank that, even if the fuel oil tank were full and should spring a leak, all of the oil would be contained in the outer basin, and the walls of the outer basin would have their top at least 4" above the level of the oil in the basin. This is the same principle as a "dike" used for larger storage tanks. It is important that the plan be revamped and refiled here (it should be a blueprint so that we may know that all concerned have a copy) quickly, so that this entire job, which has been in a confusing state since last March, when furnace and oil burner had been installed unlawfully without a permit being first secured and without complying with the requirements of the Building Code.

For the information of owner and installer, we have still to get the approval of the Fire Chief upon the location of this tank which is proposed in the open air, but for a roof shelter over passageway to Casco Bay waiting room. Whether or not Chief Sanborn will want the tank enclosed with some type of shelter, to prevent tampering with it, is not yet known, but certainly the vent pipe will have to run to some suitable place out from under the roof over the shelter, and special requirements may be necessary for the fill pipe so that spillage at that point will not take place down over and through the wharf. Perhaps the fill pipe can be arranged so as to have its intake inside of the safety "basin". The Tank Works and Mr. Bates should cooperate to show the proposed arrangement for fill pipe at the planned location of vent pipe and its outlet. I should say that it will be necessary to have the floor flanges at the bottom of the pipe standards. The outside of the tank and both inside and outside of the "basin" will require the usual protective painting for metal in the open air—at least one coat of red lead and one coat of heavy asphaltic paint.

Very truly yours,

Warren McDonald
Inspector of Buildings

WMC/D
CC: Oliver F. Sanborn
Chief of the Fire Department

(See Second Page)

Mr. Charles A. Bates
Portland Copper & Tank Works, Inc.
Mr. Edward F. Lundgren

2

October 3, 1949

Dear Mr. Lundgren:

We are not in any sense trying to penalize you because this work was put in without a permit. The job, however, has dragged along ever since early last spring, and now the time is at hand when you need the heat. I have talked with Mr. French about the metal stack through the roof, which has already been installed recently and does not satisfy the requirements. I understand that he is to do no more on the stack and nothing else is to be done about the entire installation, until he has filed here a revised plan of the stack and its thimble, until the location and arrangement of the fuel oil tank has been cleared up and we are in possession of sufficient information to show that the Building Code will be complied with. Even then we shall be unable to issue the building permit, until the insulation tile has been changed out beneath the furnace and the metal stack has been revamped according to the revised and approved plan.

When all of this information has been filed here in such a way that there is promise of compliance with the Building Code, you and Mr. Bates and Mr. French will be notified. You can then proceed to change out the tile insulation beneath the furnace and to revamp the metal stack installation. When that is done, you should notify this office. If everything is found in order up to that point, the permit for the complete installation will then be issued.

I am sorry that there has been this long delay, but we have done everything we know how to do to help you get the outfit installed safely and in compliance with the requirements.

Warren McDonald

File: Ap. 92 Commercial Street-I

Oliver T. Sanborn, Chief of the Fire Department

April 11, 1949

Warren McDonald, Insptr. of Bldgs.

Application for building permit to cover installation of oil burning equipment, involving 275 gallon storage tank outside of a building on Custom House Wharf (92 Commercial Street)

A warm air furnace with oil burner was installed some time ago by the operator of Lundgren's Market at this location, two 55 gallon drums having been set up outside of the market on the wharf connected to the oil burner. We found the installation during inspection of construction work, and the owner seems to have had no intention of violating the requirements. He has employed Ballard Oil & Equipment Company to do whatever is necessary to correct the installation of the furnace, the metal vent pipe through the roof and the oil burner installation.

Ballard proposes to remove the two 55 gallon drums and install in another location, as shown on the sketch, one 275 gallon tank outside of the fish market, to be housed-in, in order to prevent boys or others from tampering with it with fill and vent pipe extending to the outside air. Even if you are able to approve this outside tank, there are a number of features about the insulation and support of the warm air furnace on the wooden pile wharf and perhaps of the metal vent pipe through the roof of the building which we must have corrected. Since this is a pile wharf the Building Code allows the furnace to set upon the wooden wharf with certain specified insulation beneath and allows the metal pipe through the roof, if suitable thimble and air space are provided.

The oil tank seems the important issue, however, and before we give directions to the installer and owner, it seems best to get your consideration of this feature:

We have had other installations of fuel oil tanks on the wharves—at least one within a building that I can remember of, and whether or not it was a pile wharf I do not remember. It seems to me it makes quite a difference whether the wharf is a pile wharf or filled. The Underwriters regulations provide that above ground tanks of 750 gallons or less shall be set at least 5' away from the line of adjoining property or the nearest building. There seems no point in requiring that this tank be 5' from the fish market, inasmuch as it is to be housed-in, unless the housing in is required to be of entirely incombustible material with kind of a vent of the enclosure, should fire take place inside of it. These conditions should be, I suppose, as you may determine, if, indeed, you are able to go along with the idea at all.

It seems to me that some fairly definite policy should be established about installation of oil tanks on pile wharves and some limits of size even on filled wharves because of the danger of a leak in the tank being undiscovered, perhaps at night and the oil running out either all over the wharf or down into the water and setting the background for a fire such as Pier No. 1 years ago. The only way that

Oliver T. Sanborn
Chief of the Fire Department-----2

April 11, 1949

I can think of to avoid that eventuality is to set the tank in an oil tight enclosure, somewhat after the idea of a dike with sufficient volume to hold the entire maximum contents of the tank if the tank should spring a leak. If you can arrive at any standard practice I should be glad to know about it so that we can advise applicants in the future as to about what they can do with the background of uniform treatment of each case.

Enclosed is the belated application for this permit with sketch and the permit card.

Inspector of Buildings

WMD/G

AP 92 Commercial Street-1

5/18/49/T

May 2, 1949

Mr. Edward F. Lundgren
c/o Lundgren's Market
92 Commercial Street
Portland, Maine

Subject: Installation of warm air furnace and oil
burning equipment at 92 Commercial Street in
violation of the Building Code

Dear Mr. Lundgren:

While you had assistance from some man not now in Portland, it is apparent that you are one which we must hold responsible for the installation of a warm air furnace and oil burning equipment at your market at the head of Custom House Wharf without first securing a building permit for these installations, and unfortunately more important without complying with Building Code requirements as to the details for fire protection etc. This becomes a particularly important matter because the installation is on top of the wharves where we have to be particularly careful to avoid fire hazard on account of the danger of a single fire under unfavorable conditions destroying a large part or all of our water front.

Having found out the situation you, properly enough, have engaged the services of Ballard Oil & Equipment Company to adjust the entire situation, if possible, to comply with the Building Code, and we have immediately encountered difficulties in making the adjustment.

The furnace is supported upon the wooden floor of the store or wooden wharf deck, and the wharf at this point, I understand, is supported by wooden piling, leaving the spans underneath the floor largely open. To provide insulation, asbestos board has been laid on the floor and then 3" hollow tile on the asbestos board—the furnace supported upon this hollow tile. The Building Code in Section 602-b-4 provides that such a furnace on wooden pile wharves may be supported upon burnable floors or construction, provided asbestos building lumber is laid on the floor and then hollow masonry not less than 4" in thickness is laid in such a way as to preserve a free circulation of air through the courses of masonry, such insulating bases to extend at least one foot beyond the furnace on all sides and far enough in front to support the oil burner. Thus, because no application for the permit was made the hollow tile insulation is one inch less than the thickness required, and we have no way of accepting it under the requirements of the Building Code. The important part of this insulation is the insulating value of the air spaces in the masonry. Since the openings in 3-inch tile are smaller than those in 4-inch tile, I see no way out of the situation but to lift the furnace and replace the 3-inch tile with 4-inch tile.

Oil burning equipment is installed without some of the valves required and with merely two 55 gallon drums housed outside of the building in a wooden enclosure and without outside vent pipe. In their application Ballard proposes to adjust the entire oil burning layout to comply with the regulations therefor as to valves etc., and to install one standard 275 gallon tank in place of the two drums without outside fill and vent pipe, the tank to be installed outside of the building but to be housed in a wooden enclosure in an attempt to avoid malicious mischief.

The regulations require that such a fuel oil tank shall be supported only on non-burnable material and there is of course none of that material available beneath the spot where this tank is proposed. Because of our great concern as to the hazard involved in any inflammable oil storage on or about the wharves, I have consulted the

May 2, 1949

Edward F. Lundgren - 2

Chief of the Fire Department about this installation. He says that he does not approve of oil storage on a wooden wharf except in extreme cases, and that he will only approve this particular installation of tank if the tank is set in an oil-tight metal box, large enough and so arranged that should the oil tank spring a leak, even when the oil tank was full, the oil in oil tank and in oil-tight box would reach only a level at least 4" below the top of the walls of the metal box. Thus in the case of leakage from the tank the oil would be kept from soaking the wooden wharf and running down through to the space beneath and perhaps reaching tide water where it would float and cause great fire hazard.

Our inspector reports that furnace is vented by a metal smokepipe through the roof of the building. Such an arrangement is allowable in view of the wooden pile wharf construction, but protection must be provided in accordance with Section 602-d-2 of the Building Code to which you are referred.

In event you intend to take up this option for the oil tank, the housing of tank and metal box, if desired could be of wood, but it would have to be covered with metal all over on the outside because the location is in Fire District No. 2. It occurs to me that under these circumstances, it would probably be more economical to make the metal enclosure for the oil tank as an all metal box with metal cover which could be locked with vent and fill pipe running up through the cover and out to a suitable location in the wide open air (not under the roof of the wharf shelter or any other shelter).

It is realized that we are coming to the season where the furnace will not be needed for heat, but we cannot let this matter drift until heat is needed. To the contrary it is necessary that you advise me before May 18 as to which course you will pursue—either to remove the furnace and oil burning equipment completely, or to complete the application for building permit by Ballard to show that all of the above situations will be taken care of as indicated and then proceed directly with the work.

Very truly yours,

Inspector of Buildings

WMcD/G
CC: Ballard Oil & Equipment Company
135 Marginal Way



FILL IN AND SIGN WITH INK

OB
2151

APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, March 31, 1949

Completed 4/6/49

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

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 92 Commercial St. Use of Building Store No. Stories 1 ~~New Building~~ Existing "
Name and address of owner: Lundgren's Market
Installer's name and address Ballard Oil & Equipment Co., 135 Marginal Way Telephone 2-1991

General Description of Work

To install Install 1 - 275 gallon oil tank - Rearrange furnace and piping.
Also insulate furnace floor properly. warm air heat

IF HEATER, OR POWER BOILER

Location of appliance or source of heat first floor Type of floor beneath appliance wood
If wood, how protected? see above Kind of fuel oil
Minimum distance to wood or combustible material, from top of appliance or casing top of furnace 30"
From top of smoke pipe From front of appliance over 4' thru metal roof From sides or back of appliance over 3'
Size of chimney flue Galvanized iron plate 8" clearance Other connections to same flue _____
If gas fired, how vented? _____ Rated maximum demand per hour _____

IF OIL BURNER

Name and type of burner Quaker Labelled by underwriter's laboratories? yes
Will operator be always in attendance? no Does oil supply line feed from top or bottom of tank? Bottom
Type of floor beneath burner To be tile
Location of oil storage outside on wharf Number and capacity of tanks 1 - 275
If two 275-gallon tanks, will three-way valve be provided? _____
Will all tanks be more than five feet from any flame? yes How many tanks fire proofed? none
Total capacity of any existing storage tanks for furnace burners _____

IF COOKING APPLIANCE

Location of appliance _____ Kind of fuel _____ Type of floor beneath appliance _____
If wood, how protected? _____
Minimum distance to wood or combustible material from top of appliance _____
From front of appliance _____ From sides and back _____ From top of smoke pipe _____
Size of chimney flue _____ Other connections to same flue _____
Is hood to be provided? _____ If so, how vented? _____
If gas fired, how vented? _____ Rated maximum demand per hour _____

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

This application for permit to reinstall oil piping, insulate floor under furnace and install a 275 gallon tank with fill and vent to conform to order.
No permit was issued for installation which was made by parties out of town and which owner has asked us to make changes incident to complying with building restrictions.

Amount of fee enclosed? \$2.00 (\$2.00 for one heater, etc., 50 cents additional for each additional heater, etc., in same building at same time.)

APPROVED:

Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed? yes

Just
APPLICANT'S COPY

Signature of Installer BALLARD OIL & EQUIPMENT CO.

[Signature]

Does not approve of oil
storage on wooden drums
except in extreme cases
such as this.

I will approve this
provided the storage
tank is enclosed in
a metal box - large
enough to hold contents
of the tank - if a leak
should develop.

Outside fill and
vent will be required.

W.H.



BALLARD SERVICE

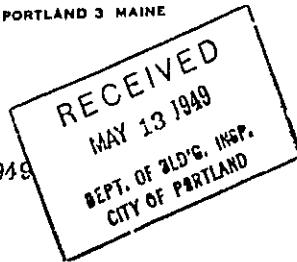
HEATING OILS - HEATING ENGINEERS

DIAL 2 1931 *Oil Burning Equipment · Commercial Refrigeration*
AIR CONDITIONING EQUIPMENT

EDWARD P. HACKER
PRESIDENT AND TREASURER

135 MARGINAL WAY - PORTLAND 3 MAINE

May 12th 1949



Mr. Warren McDonald
Inspector of Buildings
City Hall
Portland, Maine

Dear Mr. McDonald:

We have notified Mr. Edward Lundgren, 92 Commercial Street, Portland, Maine that we are cancelling his order to us for revamping his oil burning equipment to comply with the necessary instructions as we do not feel that housing of this tank and other work is in keeping with our line of work. Also, we do not wish to feel responsible for any consequences which may accrue from this work.

This will not only be an expensive job but the best price we can procure on a dike tank is \$80.00 which with the extra 275 gallon tank, a suction pump with necessary wiring, pipe, etc. is going to amount to around \$400.00.

We do not feel responsible for this installation as we were not asked to bid on it and did not take any part in the installation. We will kindly ask you to cancel our application for the installation of this tank.

Yours very truly,

BALLARD OIL & EQUIPMENT CO.

R. H. Dunton

RED:AC
cc-E.Lundgren



OIL HEATING HEADQUARTERS SINCE 1920

LOCATION 13 Custer Home 12/10/49

DATE 6/6/49

PERMIT

INQUIRY:

COMPLAINT

Mr. M.A. -

Section 205-7-2

does not prohibit
the use of automatic
system in the record
storage.

If this is
allowable, I believe
the storage of the
oil should be

disposed by the
I.T.M. Chief.

R.M.P. like gas pump
required the use of
check's after the
in the station and that
gas tank is automatic
operated and must
be properly marked
with appropriate amount

(C.N.A.)

INQUIRY BLANK

ZONE I

CITY OF PORTLAND, MAINE
DEPARTMENT OF BUILDING INSPECTION

FIRE DIST. _____

Verbal
By Telephone

DATE 6/30/49

LOCATION 13 Custom House Wharf OWNER Nordic Ship Supply

MADE BY Mr. A. J. Smith of Portland Subapp. Sec. TEL. 3-2911

ADDRESS 302 Commercial St

PRESENT USE OF BUILDING Storehouse

CLASS OF CONSTRUCTION frame NO. OF STORIES 2

REMARKS: Location 5-25 Custom House Wharf was formerly
used by the Army during the War. Heat at that time was
supplied by Gal-Ind stoves! See room, War Dept. Page attached?

INQUIRY: Can a warm air or burning warm air
heating system be installed in the first
and in the second story of this building, in place
of existing Gal-Ind stoves? Will separate heaters
from inclusions be necessary?
I. P. H.

ANSWER: _____

DATE OF REPLY _____

REPLY BY _____

File

INQUIRY BLANK

ZONE Industrial

FIRE DIST. # 2

CITY OF PORTLAND, MAINE
DEPARTMENT OF BUILDING INSPECTION

Date Dec. 2, 19

Verbal
By Telephone

LOCATION 31 Custom House Wharf OWNER Proprs. Custom House Wharf
Henry F. Merrill Treas, 18 Custom House Wharf

MADE BY Summer Olsen or TEL. 2-6131
Everett Olsen

PRESENT USE OF BUILDING Vacant - 2nd floor NO. STORIES 2
Match Shop 1st floor CLASS CONSTRUCTION Third Class
LAST USE OF BUILDING Match Shop 1st floor Frame Metal Covered

REMARKS Area to be occupied is 60x40 with hardwood floor.
Plan shall be checked (re: spacing) thru case made by issuing site plan no. 1947
permit covering ventilation of a space heater thru roof.

*OK
12/19/49*

INQUIRY Can this second floor be used for retail sales
and light repair for mill supplies.

ANSWER Yes and was inspected O.K. No objection to applicant's use
of this 2nd floor however, it seems probable floor is O.K. for proposed use
Area $\frac{60 \times 40}{8} = 40$ would call for two well separated means of
egress, suitable locksets and signs. Space heaters vented
through roof (or fire on this floor) as required by Sect 602.2
would be satisfactory.

O.K. subject to verifying strength of floor, arranging means
of egress and venting of heaters.

DATE OF REPLY _____ REPLY BY A.S.G.
This was in new letter a personal contact as gone nothing definite until let sent, etc.



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, 8-26-1949

PERMIT ISSUED

01352
AUG 27 1949

CITY of PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

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 20 Custom House Wharf Use of Building Store No. Stories 1 New Building Existing
Name and address of owner of appliance John J. Mc. Gowan, 20 Custom House Wharf - City
Installer's name and address Portland Gas St. Co. 5 Temple St. Telephone 2-8321

General Description of Work

To install Gas fired unit heater in place of steam heat

IF HEATER, OR POWER BOILER

Location of appliance or source of heat Suspended from ceiling Type of floor beneath appliance Wood
If wood, how protected? 8' from front Kind of fuel gas
Minimum distance to wood or combustible material, from top of appliance or casing top of furnace 18"
From top of smoke pipe 2' From front of appliance 4' From sides or back of appliance 4'
Size of chimney flue 12" x 12" Other connections to same flue none
If gas fired, how vented? to chimney Rated maximum demand per hour _____

IF OIL BURNER

Name and type of burner _____ Labelled by underwriter's laboratories? _____
Will operator be always in attendance? _____ Does oil supply line feed from top or bottom of tank? _____
Type of floor beneath burner _____
Location of oil storage _____ Number and capacity of tanks _____
If two 275-gallon tanks, will three-way valve be provided? _____
Will all tanks be more than five feet from any flame? _____ How many tanks fire proofed? _____
Total capacity of any existing storage tanks for furnace burners _____

IF COOKING APPLIANCE

Location of appliance _____ Kind of fuel _____ Type of floor beneath appliance _____
If wood, how protected? _____
Minimum distance to wood or combustible material from top of appliance _____
From front of appliance _____ From sides and back _____ From top of smoke pipe _____
Size of chimney flue _____ Other connections to same flue _____
Is hood to be provided? _____ If so, how vented? _____
If gas fired, how vented? _____ Rated maximum demand per hour _____

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

Appliance equipped with auto safety controls

Amount of fee enclosed? \$2.00 (~~\$1.00~~ for one heater, etc., 50 cents additional for each additional heater, etc., in same building at same time.)

APPROVED:

O.N. - 8/27/49 - a.g.s.

Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed? Yes

Signature of Installer

Portland Gas St. Co.
By: George W. Fullerton

INSPECTION COPY

(1) INDUSTRIAL ZONE

PERMIT ISSUED

MAY 3 1949

CITY of PORTLAND



APPLICATION FOR PERMIT

Class of Building or Type of Structure Refrigeration
Portland, Maine, April 29, 1949

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for a permit to erect alter repair demolish install the following building structure equipment in accordance with the Laws of the State of Maine, the Building Code and Zoning Ordinance of the City of Portland, plans and specifications, if any, submitted herewith and the following specifications:

Location 13 Custom House Wharf Within Fire Limits? _____ Dist. No. _____
 Owner's name and address Nordic Ships Supply, 13 Custom House Wharf Telephone _____
 Lessee's name and address _____ Telephone _____
 Contractor's name and address A. F. Briggs, Co., 369 Forest Avenue Telephone 42-689
 Architect _____ Specifications _____ Plans _____ No. of sheets _____
 Proposed use of building Storehouse No. families _____
 Last use _____ No. families _____
 Material Frame No. stories 2 Heat _____ Style of roof _____ Roofing _____
 Other buildings on same lot _____ Fee \$ 1.00
 Estimated cost \$ _____

General Description of New Work

To install refrigeration as per plan. Freon refrigeration

Rec'd in Dept. 4/29/49
Rec'd from Eng. Dept. 5/2/49

It is understood that this permit does not include installation of heating apparatus which is to be taken out separately by and in the name of the heating contractor. PERMIT TO BE ISSUED TO A. F. Briggs Co.

Details of New Work

Is any plumbing involved in this work? _____ Is any electrical work involved in this work? _____
 Height average grade to top of plate _____ Height average grade to highest point of roof _____
 Size, front _____ depth _____ No. stories _____ solid or filled land? _____ earth or rock? _____
 Material of foundation _____ Thickness, top _____ bottom _____ cellar _____
 Material of underpinning _____ Height _____ Thickness _____
 Kind of roof _____ Rise per foot _____ Roof covering _____
 No. of chimneys _____ Material of chimneys _____ of lining _____ Kind of heat _____ fuel _____
 Framing lumber—Kind _____ Dressed or full size? _____
 Corner posts _____ Sills _____ Girt or ledger board? _____ Size _____
 Girders _____ Size _____ Columns under girders _____ Size _____ Max. on centers _____
 Studs (outside walls and carrying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.
 Joists and rafters: 1st floor _____, 2nd _____, 3rd _____, roof _____
 On centers: 1st floor _____, 2nd _____, 3rd _____, roof _____
 Maximum span: 1st floor _____, 2nd _____, 3rd _____, roof _____
 If one story building with masonry walls, thickness of walls? _____ height? _____

If a Garage

No. cars now accommodated on same lot _____, to be accommodated _____ number commercial cars to be accommodated _____
 Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building? _____

Miscellaneous

Will work require disturbing of any tree on a public street? No
 Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed? Yes

APPROVED:

[Signature]

Nordic Ships Supply

A. F. Briggs Co.

[Signature]

Signature of owner By:

INSPECTION COPY

MEMORANDUM OF FEATURES OF DORMITORY PROPOSED BY U. S. ARMY
ON SECOND FLOOR OF BUILDING AT 5-23 CUSTOM HOUSE WHARF, WHICH
WOULD NOT CONFORM WITH BUILDING CODE REQUIREMENTS, PERMIT AND
CERTIFICATE OF OCCUPANCY THEREFOR TO BE ISSUED AS AUTHORIZED
BY SECTION 103-d.1 of the BUILDING CODE OF THE CITY OF
PORTLAND, MAINE

*original in
office of
675*

April 28, 1943

Location.....5-23 Custom House Wharf.

Owner of Wharf and Building.....Proprietors of Custom House Wharf

Description:- U. S. Army has leased entire second story of the building and proposes to remodel to provide a dormitory with accessory rooms for about 60 men and a storage warehouse in the second story of the building; the first story except for entrance and elevator to second story to be used by private parties for various mercantile purposes.

Non-conformance with Building Code and Reasons for Allowances

Floor area larger than allowed by precise terms of the Code in a building of frame construction.

Fire resistive partition separating dormitory and warehouse in second story; fire resistive ceiling over ceiling of entire first story; one-hour fire resistive enclosure of entrance stairway and elevator in first story NOT PROVIDED

REASON- Difficult, if not impracticable to provide fire resistive ceilings over existing occupancies, and difficult, if not impracticable to get material and skilled labor to make other fire resistive surfaces.

Deficiencies deemed to be offset by provisions of electric, automatic fire alarm system covering both stories of entire two-story portion of building, with automatic trouble indicating devices, supervised by American District Telegraph service, designed to give alarm in dormitory and at ADF headquarters.

Ladders for fire escapes have landings about 11'-6" above wharf deck instead of maximum ordinarily allowed of 10 feet. Minor deficiencies as to width of landing, etc. of entrance stairs.

REASON- Not practicable to provide stairs in place of ladders if working space on wharf is to be preserved.

Deficiencies deemed to be offset by fact that men in dormitory will/all times be under army discipline and physically fit to use the ladders in safety.

Heated by a number of coal-fired stoves in second story instead of by a central heating plant in first story.

REASONS-Not practicable to heat second story by one heating plant, and not practicable to have heating appliances in private quarters in first story.

Deficiency deemed to be offset by the automatic alarm system and the fact that a guard or watch will always be on duty in the dormitory at night.

Safeguards for Public Interests-Signed agreement by owners of building to discontinue dormitory use at end of war emergency.

Emergency clause of Bldg. Code requires that copy of same record be filed with Clerk and another with Chief of Buildings)

Approved by (signed) J.E. Barlow, City Manager

Oliver T. Sabornie, Chief of Fire Dept.

AGREEMENT OF PROPRIETORS OF CUSTOM HOUSE WHARF, OWNERS OF CUSTOM HOUSE WHARF IN THE CITY OF PORTLAND, MAINE RELATING TO CHANGE OF USE TO A DORMITORY OF A PORTION OF THE SECOND STORY OF THE BUILDING AT 5-23 CUSTOM HOUSE WHARF

April 13, 1943

In consideration of building permit and certificate of occupancy issued by the City of Portland, Maine, authorizing alterations in the building at 5-23 Custom House Wharf and use of a portion of second story as a dormitory, despite certain features relating to said dormitory use which do not satisfy requirements of the Building Code of said city for said use as allowed by Section 103-d.1 of said code, the Proprietors of Custom House Wharf, being the owner of said wharf and the buildings thereon, hereby agrees for itself, its successors and assigns as follows:

That within six months after the state of war ceases between the United States and every foreign government, use of any part of this building for a dormitory or similar use for sleeping or living quarters will be discontinued; and thereafter said owner, its successors and assigns will refrain from using and allowing the use of any part of the building for said purposes.

Entered into this 24th day of April 1943.

Witness:

Ruby E. MacFarland (to both)

Proprietors of Custom House Wharf

By E. B. Rayfall President
Henry St. Merrill Secy.
Duly Authorized Thereto

*Please see for
and return to
L. H. ...*

RECEIVED
APR 26 1943
DEPT. OF BLD'G. INSP.
CITY OF PORTLAND

11/17/43

Automatic Fire Alarm System in Army Quarters on Custom House Wharf.

System consists of exposed wires on ceiling, these wires appearing similar to twisted bell wire, of which there are three lines, one at the center and one on each side about 5" in from the outside walls. These wires as I understand it are insulated from each other by some substance that melts at a fairly low temperature so that the wires come in contact with each other, thus closing a magnetic circuit and ringing a gong to give an alarm. Any injury to any part of the circuit would also operate the alarm bell. This alarm bell is now located in dormitory of second story but since this is not being used, the master mechanic of the Army Machine Shop in the first story told me that this gong is located in the watchman's quarters in the first story. He said that there is a man who comes around every two or three weeks to check the system.

See note on inspection copy

P. 45/370-I

May 13, 1943

Capt. George W. Nevius,
Executive Officer
Corps of Engineers
War Department
3rd Floor Park Square Building
51 St. James Avenue,
Boston, Mass.

YOUR FILE 28

Subject: Alterations to and conversion of
the building at 5-23 Custom House Wharf,
Portland, Maine

Dear Sir:

Method of framing the supports for the fire escape platform has not been changed on the revised plan, but paragraph No. 5 of the Simonds' letter of April 21, 1943 takes care of the matter satisfactorily.

As regards the omission of ADT service on the automatic fire alarm system, our emergency committee consisting of City Manager Earlow, Chief Oliver T. Sanborn of the Fire Department and myself have agreed to the omission of the ADT service, but only with the understanding that the Army assume the full responsibility for maintaining guard service at all times.

Very truly yours,

W McD/H

Inspector of Buildings

CC: Simonds Construction Co., Inc.
12 Monument Square

Gentlemen: Capt. Nevius sent us three blueprints the last time and we only need one. If you can use the other two and will send over for them, you may have them. If we do not hear from you by say May 25th we will destroy the extra copies.

Warren McDonald

Reck of Revised Plans - Custom House Wharf - Army Depot
5/14/43

1 - All matters mentioned in your letter of 4/29/43 seem to be taken care of on plans.

2 - I note on wiring plan of 2nd story that "Exit" lights are indicated on same circuits as rest of lights on 2nd story. However, Simonds' letter of 4/21/43 states that "All exit lights and lights in the existing stair hall will be on a single switch." (Paragraph "1").

3 - Method of framing supports for fire escape platforms has not been changed on plans, but Paragraph "5" of Simonds' letter of 4/21/43 gives satisfactory details.

4 - We have 3 copies of this revised plan, all alike. Perhaps two can be sent to Simonds for their use.

5 - I was down there this morning and talked with Mr. Bowdoin about the question of swing of door on 2nd story from dormitory to stair hall. They would like to swing it in on a point of the doorway to head of stairs and awkwardness of opening door when entering as well as possibility of door being opened suddenly from inside just as someone is about to enter. Door does not swing over stairs. I told them that door is required to swing out and this is what they will do.

AM/ijm

PLEASE REPLY TO
THE DISTRICT ENGINEER
U. S. ENGINEER OFFICE
30 FLOOR, PARK SQUARE BUILDING
31 ST. JAMES AVENUE
BOSTON, MASS

WAR DEPARTMENT
UNITED STATES ENGINEER OFFICE
30 FLOOR, PARK SQUARE BUILDING
31 ST. JAMES AVENUE
BOSTON, MASS.

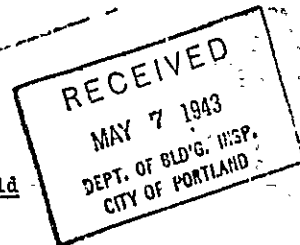
May 5, 1943

REFER TO FILE NO

IN REPLY REFER TO EG

Department of Building Inspection
City of Portland
Maine

Attention: Mr. Warren McDonald



Gentlemen:


Inclosed are three prints showing alterations in building at 5-23, Custom House Wharf, Portland, Maine.

Drawings have been revised to incorporate the changes agreed upon as a result of the conference on April 26, 1943, at the site, attended by representatives of the building and fire departments, the contractor and the Government.

The specifications for the automatic fire detection and alarm system have been revised to include installation of the system throughout the entire first and second stories of the building. Reference is made to word "supervised" occurring in the fourteenth line of paragraph "E. AUTOMATIC FIRE DETECTION," of the specification previously submitted. Contrary to the interpretation made at the conference, the word "supervised" means supervision within the system consisting of trouble indicating devices which automatically sound the trouble bell when the continuity of the circuit is broken.

Inasmuch as men will be on guard within the building at all times, further connection of the alarm system to the American District Telegraph Plan of Report and Control seems unnecessary. This point was discussed in your absence with Mr. Sears, of the Building Department, on the morning of May 1, 1943, and unless further comment is made by your office, it will be assumed that the proposed fire detection system is acceptable to the building and fire departments.

For the District Engineer:


G. W. Nevius
Captain, Corps of Engineers
Executive Officer



Inclo.:
File No. 4-12-3-2/2 in trip.

INTER-OFFICE CORRESPONDENCE

CITY OF PORTLAND, MAINE

BUILDING INSPECTOR

B. 43/370-I

May 5, 1943

James E. Barlow
City Manager

Oliver T. Sanborn, Chief
of the Fire Department

Subject: Misunderstanding about ADT supervision for automatic electric alarm system proposed for U.S. Army dormitory in 2nd of the building at 5-23 Custom House Wharf

Gentlemen:

Mr. Minichiello, Civilian Architect from Army Engineers Office in Boston tells me that he was in error when he gave us the impression that the proposed automatic electric alarm system to be provided throughout this large two story building to give a quick alarm to persons in the dormitory in case of fire starting in any part of the building, is to be connected with the usual ADT service. He says that it is standard practice for the Army to use a "local" system and the the terms "supervised" in the specifications refers to the fact that there are always guards on duty to be quickly alerted by the alarm.

I am bringing this matter to your attention because we all approved the permit based on some features short of Building Code requirements and on the equivalent as far as the fire alarm system is concerned of having the system attached to the usual ADT service.

From the standpoint of safety as to the men in the dormitory, and that is the main thing we are striving for, I think, the ADT service would appear to make little difference since the guards on duty could summons the Fire Department by telephone practically as quick as ADT could. Whether you concur in that view or not, it seems hardly possible to force the Army to the ADT service, and any efforts we made in that direction would only put Mr. Minichiello in a "bad spot" to no end.

I feel that the record in the City Clerk's Office and my own office, of the equivalents to be furnished on which our approvals of the permit were based, should be correct. Will you let me know as soon as possible what your feeling is with regard to your own approval?

In event you feel like letting your approval stand without the ADT service, merely writing "approved without ADT" over your initials at the bottom of this letter and returning will suffice.

Very truly yours,

Waverly
Inspector of Buildings

WMCd/H

Approved without the ADT service but with the understanding that the Army assume full responsibility for maintaining guard service at all times JEB

OFFICE CORRESPONDENCE

CITY OF PORTLAND, MAINE

B. 43/370-I

BUILDING INSPECTOR

May 5, 1943

James E. Barlow
City Manager

✓ Oliver T. Saaborn, Chief
of the Fire Department

Subject: Misunderstanding about ADT supervision for automatic electric alarm system proposed for U.S. Army dormitory in 2nd of the building at 5-23 Custom House Wharf

Gentlemen:

Mr. Minichiello, Civilian Architect from Army Engineers Office in Boston tells me that he was in error when he gave us the impression that the proposed automatic electric alarm system to be provided throughout this large two story building to give a quick alarm to persons in the dormitory in case of fire starting in any part of the building, is to be connected with the usual ADT service. He says that it is standard practice for the Army to use a "local" system and the the terms "supervised" in the specifications refers to the fact that there are always guards on duty to be quickly alerted by the alarm.

I am bringing this matter to your attention because we all approved the permit based on some features short of Building Code requirements and on the equivalent as far as the fire alarm system is concerned of having the system attached to the usual ADT service.

From the standpoint of safety as to the men in the dormitory, and that as the main thing we are striving for, I think, the ADT service would appear to make little difference since the guards on duty could summons the Fire Department by telephone practically as quick as ADT could. Whether you concur in that view or not, it seems hardly possible to force the Army to the ADT service, and any efforts we made in that direction would only put Mr. Minichiello in a "bad spot" to no end.

I feel that the record in the City Clerk's Office and my own office, of the equivalents to be furnished on which our approvals of the permit were based, should be correct. Will you let me know as soon as possible what your feeling is with regard to your own approval?

In event you feel like letting your approval stand without the ADT service, merely writing approved without ADT over your initials at the bottom of this letter and returning will suffice.

Very truly yours,

WMCD/H

Approved
WCD/H

Walter D. Smith
Inspector of Buildings

D. 45/570-1

May 5, 1945

James E. Barlow
City Manager

Oliver T. Sanborn, Chief
of the Fire Department

Subject: Misunderstanding about ADT supervision for automatic electric alarm system proposed for U.S. Army dormitory in end of this building at 5-23 Custom House Quay.

Gentlemen:

Mr. Minichiello, Civilian architect from Army Engineers Office in Boston tells me that he was in error when he gave us the impression that the proposed automatic electric alarm system to be provided throughout this large two story building to give a quick alarm to persons in the dormitory in case of fire starting in any part of the building, is to be connected with the usual ADT service. He says that it is standard practice for the Army to use a "local" system and the two terms "supervised" in the specifications refer to the fact that there are always guards on duty to be quickly alerted by the alarm.

I am bringing this matter to your attention because we all approved the permit based on some features short of Building Code requirements and on the equivalent as far as the fire alarm system is concerned of having the system attached to the usual ADT service.

From the standpoint of safety as to the men in the dormitory, and that is the main thing we are striving for, I think, the ADT service would appear to make little difference since the guards on duty could summon the Fire Department by telephone practically as quick as ADT could. Whether you concur in that view or not, it seems hardly possible to force the Army to the ADT service, and any efforts we made in that direction would only put Mr. Minichiello in a "bad spot" to no end.

I feel that the record in the City Clerk's office and my own office of the equivalents to be furnished on which our approvals of the permit were based should be correct. Will you let us know as soon as possible what your feeling is with regard to your own approval?

In event you feel like letting your approval stand without the ADT service, merely writing approved without ADT over your initials at the bottom of this letter and returning will suffice.

Very truly yours,

rcd/h

Inspector of Buildings

60578-1

April 23, 1943

Simonds Construction Co., Inc.
12 Monument Square,
Portland, Maine

Subject: Building permit for alterations
to and conversion of the building at 5-23
Custom House Wharf

Gentlemen:

In addition to the directions contained in your letter of April 11st and the letter of April 15th from Captain Novius, relating to the above subject, as a result of our conference on April 16, 1943 Messrs. Minichiello, Simonds, Bowdoin, Horton, Chief Sanborn and myself, the building permit is issued herewith subject to the following understandings:

1. The automatic fire detection and alarm system indicated in specification E is to be extended to cover every part of both stories of the entire two story part of the building, including the parts occupied by others than the Army; the system to be "supervised" by a regular American District Telegraph Plan of Report and Central.

2. The main entrance and exit doorway to and from the dormitory is to be directly from the dormitory to the stair hall at the top of the existing stairs leading down to the first story instead of via a small hall between try room and toilet room, one of the bunks indicated in the dormitory to be relocated so as to give an access to this doorway at least three feet in width; thus the raised platform in the second story stair hall will be eliminated and the existing stairs to the first story will be left about as they are but a hand-rail provided on one side the entire length. OK

3. All openings, whether doors or windows, having glass in them in the first story which lie within 10 feet, measured horizontally from any exit ladder will either have the ordinary glass changed out to wire glass or else the glass covered on the outside with 3/16th inch thick asbestos board. OK

4. Elevator shaft is to be separated from the first story occupancy of Nordic Supply Company by an unplastered partition covered on at least one side with 5/16th inch asbestos board or equivalent. OK

5. An exit light is to be provided over the new doorway from the second story warehouse to the roof as well as from the dormitory to the second story warehouse; all of the exit lights to show letters in the word "Exit" in red on an appropriate background with the letter to be no less than four and one-half inches high. OK

6. Mr. Minichiello is to have the plans revised in all points brought up in the correspondence which can be consistently be shown upon the plans and to furnish a revised print to this office for our complete records.

7. When all essential features of the dormitory occupancy are ready, notice will be given to this office for final inspection, and the dormitory will not be

Construction Co., Inc.-----2

April 19, 1943

occupied until the certificate of occupancy condition upon the agreement of the
owners as to the use of the dormitory has been issued.

Very truly yours,

McD/H

Inspector of Buildings

CC: Capt. G. W. Nevius
U. S. Engineers Office
31 St. James Avenue
Boston, Mass.

Major H. S. Cleverdon
U. S. Army Eng. Office
78 Pearl Street
Portland, Maine

Proprietors of Custom House Wharf
Custom House Wharf

AM/1jn

WAR DEPARTMENT
UNITED STATES ENGINEER OFFICE
3D FLOOR, PARK SQUARE BUILDING
31 ST JAMES AVENUE
BOSTON, MASS.

April 20, 1943

IN REPLY REFER TO ES

Department of Building Inspection
City of Portland
Maine

Subject: Alterations in Building at 5-23 Custom
House Wharf in Portland, Maine.

Attention: Mr. Warren McDonald

Gentlemen:

In connection with your letter of April 12, 1943, subject as above, the following is transmitted for your information:

1. Men will be working in the ship supply warehouse at irregular intervals and an emergency exit out on the roof of the adjacent one-story building with railing, and ladder to wharf level will be provided in accordance with Chief Sanborn's recommendation. A platform, as mentioned in your letter, is not considered necessary as the ladder will extend above the roof level without rungs and will be braced laterally. An exit light will be installed over doorway from dormitory to warehouse, indicating the additional emergency exit.
2. The locations of the ladders in the dormitory have been revised to clear the double doors, and the distance from the ladder to the doorway, measured center to center, is about 9 feet in both cases. Doors will be covered with sheet metal or asbestos board to meet code requirements.
3. The exact premises to be occupied by the Nordic Ship Supply is not known at present by this office. Inasmuch as fireproofing of the first story ceiling is contingent upon location of inflammable and explosive materials by Nordic Ship Supply, a definite decision regarding this matter is being deferred pending receipt of additional information from the field.
4. Although it is expected that a guard will be on duty at all times in the dormitory and warehouse, an automatic fire detection



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APR 22 1943

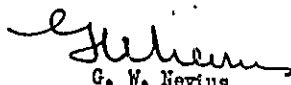
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CITY OF PORTLAND

system will be installed for added fire protection. A copy of the specifications covering installation of the automatic fire alarm system is inclosed for your files.

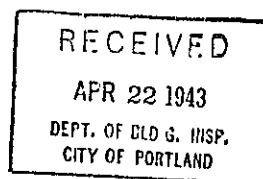
5. This office is aware of the other matters in connection with the proposed alterations, as covered in your letter of April 13, 1943, to the Simonds Construction Co., and has directed the contractor to comply with the requirements of your Department.

For the District Engineer:

Very truly yours,


G. W. Nevius
Captain, Corps of Engineers
Executive Officer

Inclo.:
Page E-1 of Spec.



2. AUTOMATIC FIRE DETECTION.- The warehouse section of the 2nd floor, including linen room, shall be provided with an automatic fire detection system in accordance with the provisions of NEFU Pamphlet No. 72, "Proprietary, Auxiliary and Local Systems for Watchman, Fire Alarm and Supervisory Service" for a system of the local type. Fire detection devices shall be installed not more than 7½ feet from any wall or partition nor more than 15 feet apart. Equipment and devices for use in the system shall be approved for the purpose for which they are intended by the Underwriters' Laboratories, or other nationally recognized testing laboratories. Installations shall be in accordance with the provisions of the current National Electrical Code. The system shall be arranged to operate a 6" vibrating alarm bell for the notification of the occupants of the dormitory, alarm bell to be mounted in the dormitory as directed by the contracting officer. System shall be supervised and shall be provided with trouble indicating devices. Contractor shall make all renewals and replacements in the system necessary to maintain the system in efficient operation for 1 year after acceptance by the Government and shall make inspections and tests of the system at least monthly for a period of one year after acceptance. The contractor shall prepare plans showing the system proposed and all such plans shall be approved by the contracting officer before installation.

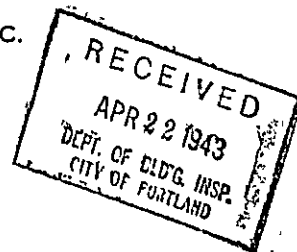
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APR 22 1943

DEPT. OF BLD'G. INSP.
CITY OF PORTLAND

SIMONDS CONSTRUCTION CO., INC.
GENERAL CONTRACTORS
12 MONUMENT SQUARE
PORTLAND, MAINE

April 21, 1943



City of Portland, Maine
Department of Building Inspection

Attention of Mr. Warren McDonald, Inspector of Buildings

RE: Contract No. W-175-eng-2471
Alterations to Building "A"
Custom House Wharf, Portland

Gentlemen:

Receipt is acknowledged of your letter of April 13 in which attention is called to certain requirements of the Building Code which must be complied with before a permit for this work can be issued by your office. We agree to make the following changes in the plans for this work.

1. All new exit doors will be 3'0" wide and 6'-4" high. An emergency exit door from the harbor end of the ship supply warehouse will be provided leading to the roof. From this door a platform will be built and extended out beyond the edge of the roof with a ladder down to the wharf. Exit lights will be provided over the door leading from the dormitory to the existing stair hall and over all emergency exit doors. White lights will be provided over all exit ladders. All exit lights and lights in the existing stair hall will be on a single switch. Letters in exit lights will be not less than $4\frac{1}{2}$ " high showing red on a contrasting background.

2. A second door leading from the day room to the dormitory will be provided. Size of this door to be 2'-8" x 6'-8".

3. A new flight of stairs located in the existing stair hall will be provided which will eliminate the raised platform and will provide two additional risers, thereby making the rise of these stairs less steep. A hand rail will be provided on the new stairs the full length of the stair way. As it is impractical to do otherwise, the door at the foot of these stairs will swing outward onto the private sidewalk as shown on the plans.

4. All doors leading to emergency exits and to the existing entrances and existing stairways will be provided with night latches.

5. The space heaters or stoves are set on legs at least 4" high and therefore the proposed base insulation is sufficient to comply with the Building Code.

5. If approved, set on legs affording at least four inches between the bottom

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APR 21 1943
U.S. DEPARTMENT OF THE ARMY
ENGINEERING CENTER
FORT MONMOUTH, N.J.

Mr. Warren McDonald - 2

April 21, 1943

There will be a space of at least 2'-0" in front of the ash doors. These stoves will set at least 6" from any wall and all such walls will have a $\frac{1}{2}$ " asbestos mill board shield.

6. All masonry chimneys will be equipped with cast iron cleanout doors and frames at the bottom of each flue and will be thoroughly cleaned out if necessary. An examination of each chimney for its entire height will be made and all possible fire hazards will be eliminated.

7. All new partitions will have 2" x 4" studs set vertically 16" on centers. Tight fire stops will be cut in at all points necessary to prevent fire spreading in the concealed space between the ceiling and the roof.

8. Platforms at the top of all exit ladders will extend at least 9" beyond the door jamb on either side, making these platforms 4'-0" x 4'-6" clear inside the railing. The platform will be supported on brackets consisting of three members, each member not less than 4" x 4", and bolted to the wall construction with $\frac{3}{4}$ " bolts. Ladders will be extended upward to permit a man standing on the platform to get a hand hold without stooping.

Very truly yours,

SIMONS CONSTRUCTION CO., INC.

By *J. H. Simons*
Engineer

Approved by *Warren McDonald*
Area Engineer

SHB:ht

5. If stoves set on legs affording at least four inches between the bottom

Rept. 3037L-I

April 13, 1943

Simonds Construction Co., Inc.
12 Monument Square,
Portland, Maine

Subject: Building permit for conversion
of use of portion of second story of build-
ing at 5-25 Custom House Wharf from mercan-
tile use to a dormitory. References thus
203-c-2, are to Sections of Bldg. Code.

Gentlemen:

Captain Novius has directed that revisions in plans of above work necessary to conform with the requirements of the Building Code be discussed with you, as contractor for the work. Matters called to attention of Dist. Engineers Office in Boston by letter last night, because of their seeming importance, are supplemented by the following matters to be taken into account while we are awaiting decision on the more important details from the District Office.

1. All new exit doors to be no less than three feet wide nor less than six feet four inches high. Exit lights to be provided over door from dormitory to existing stair hall and over all emergency exit doors including the one, if provided, at the harbor end of the warehouse leading to the roof; white lights over all exit ladders, all exit lights and lights in the existing stair hall to be on single switch; letters in word "Exit" to be no less than four and one-half inches high and to show red on a contrasting background (203-c-2; 212-c-4).
2. Not sure of use of so-called "day room", but size would indicate the capacity at about 18 or 20 persons. On that basis there ought to be some other way to get out of it in case of fire in the existing stair hall.
3. Doorway from hall to raised platform at top of existing stairs is a "bottleneck" - only 28 inches wide, and the raised platform (one step up at one end and one step down at the other) is obviously a trap which in case of emergency might trip the first man, those behind piling up on top of him. Obviously this platform was raised at sometime in the past because of low headroom on the intermediate and lower run of stairs below. At that it is only a little over six feet and ought to be at least six feet four inches. Obvious solution seems to be to rebuild the entire stairway, getting sufficient headroom, eliminating the single risers, making the stairs less steep and providing a handrail on at least one side the full length. Plans call for entrance door at the foot of these stairs to be changed so as to swing outwards, thus swinging it over the public sidewalk. I believe the entire wharf is private property so that the Building Code does not control the swing of doors over such a sidewalk, probably, but it is obvious that injury to persons caused by swinging the door outwards quickly obstructing a place where persons have a right to think they can walk in safety, would be just as serious whether over a public or a privately owned sidewalk. (212-c-1.2-(c), c-5.2, c-5.3)
4. All doors leading to emergency exits and to the existing entrance and exit stairway should be equipped with night latches (a lockset so arranged that the door can never be locked against the inside and persons on the inside can get out merely by turning the usual knob or pressing the usual thumb latch without requiring special knowledge or a key). The same is true of the entrance door at wharf level (212-c-2.5).
5. Stairs set on legs affording at least four inches between the bottom

and the floor the proposed base insulation satisfies, if it is extended at least two feet in front of the ash box door. In fact in such a case the Building Code would be satisfied by sheet metal or asbestos building board on the floor. If the stoves have base setting flat on the floor, or legs with open space for circulation of air less than four inches in height, or have space between base of stove and floor enclosed around the edges, then the base ought to be an insulated one made by four inch hollow tile, set with the joints or flues continuous, built on sheet metal or asbestos board laid on the masonry floor, and extending two feet in front of the ash box door. Also should extend at least two inches from combustible material wherever no no shield is used, or at least six inches from combustible material where a shield is used. A shield with air space on both sides of it is most efficient.

6. All masonry chimneys should be equipped with cast iron cleanout doors and frames at the base of each flue and thoroughly cleaned out if needed. Some or all of these chimneys serve first story appliances. Examination ought to be made to make sure that connections to the chimney in the first story are safe and as free as possible from fire hazard, at least one opening was noted (I believe in the second chimney from the harbor end) wide open to the first story. This is a large opening and probably not used for a heating appliance but for ventilation. If the latter, this opening should be bricked up. If necessary to use it for a heating appliance then it ought to be tightly closed when not in use with at least a metal flue stop. Wherever smoke pipes run through combustible partitions, a metal collar should be provided at least twice the diameter of the smoke pipe and the smoke pipe centered on the opening. For some reason the plan shows a smoke pipe connecting all of the heaters connected to the masonry chimneys, except a space heater in the toilet room and the hot water heater in the prophylaxis room. The hot water tank is proposed between the chimney and the hot water heater. A note directs cutting opening in existing chimney for these two smoke pipes but says nothing about connecting them. Obviously they are to be connected, but how the connection from hot water heater may be made without a different location of hot water tank is not apparent. Hot clear box ashes are to be disposed of, but naturally this is an important feature of fire prevention.

7. How partitions are to have studs set vertically no less than 16 inches from center to center instead of 24 inches as shown on the plan. The studs may be 2x3, if desired. If a ceiling is to be provided over dormitory, tight fire stops should be cut in between strapping between upper surface of ceiling board and under side of joists, continuously across the building not more than 12 or 14 feet from center to center, to prevent fire rapidly spreading in this concealed space.

8. The platforms at tops of emergency ladders ought to extend at least nine inches beyond door jamb on either side, according to them, in fact it would be safer to make the platforms considerably longer so that several men could get outside of the building while awaiting a turn at the ladder. Roal brackets (three members, each no less than 4x4) ought to be used beneath these platforms instead of the arrangement shown which is a knee brace. A bolt no less than three-quarters of an inch in diameter ought to be run through bracket and the exterior wall of the building near the top of the bracket, with washer at each end, and of course the bracket fastened at the bottom of the vertical member, the diagonal member to be bolted in the vertical and horizontal members. The ladders ought to be extended upwards high enough so that a man standing on the platform can get a handhold without stepping.

9. As explained in letter to Captain Novius, there are some features of the Code which can hardly be complied with on account of the emergency, and these are to be covered by special approval of an emergency committee. In such a case the emergency clause says "due care shall be exercised for and