

AP 687 Congress St.

December 29, 1942

Subject: Installation of refrigeration equipment at 687 Congress St.,
First National Stores, Inc.

Fay State York Co.,
100 Brookline Ave.,
Boston, Mass.

Gentlemen:

An inspector from this department found, while making final inspection at the First National Stores new building at 687 Congress Street, that the refrigeration equipment had been installed. We were informed that your company made the installation although you had secured no permit therefore as required by law before starting the work.

It is necessary that you file application for a belated permit immediately, giving the information to the permit clerk here in this office, even though it may be necessary to send your representative here.

With this application for the permit should be filed an adequate plan showing the location of all shut-offs and emergency valves, the kind of refrigerant, location of basement stairs, etc.

The permit for the installation of refrigeration equipment can only be applied for by and is issuable only to the actual installer.

Very truly yours,

Inspector of Buildings

PH
CC: Frank Currier,
5 Middlesex Ave.
Somerville, Mass.



APPLICATION FOR AMENDMENT TO PERMIT

Amendment No. 2
Portland, Maine, November 3, 1948

PERMIT ISSUED

NOV 5 1948

CITY of PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for amendment to Permit No. 48/750 pertaining to the building or structure comprised in the original application 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 687 Congress Street Within Fire Limits? Yes Dist. No. _____
Owner's name and address First National Stores, Inc., 5 Middlesex Ave. Telephone _____
Somerville, Mass.
Lessee's name and address _____ Telephone _____
Contractor's name and address Franklin Construction Co., 26 Mystic Ave. Telephone 3-7786
Bedford, Mass. Plans filed Yes No. of sheets 1
Architect _____
Proposed use of building Store No. families _____
Last use _____ No. families _____
Increased cost of work _____ Additional fee .25

Description of Proposed Work

To remove 6" steel beam and replace with 2 2x12 headers as per plan.

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 _____
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 _____

Approved:

11/4/48

First National Stores, Inc.
Franklin Construction Co.

Signature of Owner by: Anthony R. Fude

Approved: 11/5/48

Inspector of Buildings

INSPECTION COPY

BP 48/750-1 (687 Congress
Street)

October 9, 1948

Franklin Construction Company
c/o Mr. Anthony Pasquale
62 Newbury Street
Boston 2, Mass., Inc.
23 Monument Square

Subject: adjustment of eccentricity of first
story column in First National Stores, Inc.
retail store under construction at 687 Con-
gress Street

Having received the approval of the owner upon the proposed method of correct-
ing the above defects, I have no criticisms to offer of the method to be followed, re-
lying largely upon Mr. Snow's statement of design.

I understand that the proposed method is substantially as follows:- to cut vary-
ing amounts off of the end of the 12-inch steel beams running longitudinally under the
roof at their intersection with the cross main beam and lengthening the corresponding
beams a similar amount on the other side of the cross beam, thus to permit moving the
first story lally columns (three of them) so that the vertical axis of each first story
column will come more closely over the axis of the basement column beneath.

This of course involves moving the bottom of each of the three first story
columns as well as the top to keep the columns plumb, and I understand that when the
work has been completed, the perimeter of each first story column thus moved will not
project appreciably beyond the perimeter of the heavier column beneath it in the cellar.

This proposed adjustment is shown on Mr. Snow's plan, Sheet #1 of File #2778,
dated September 23, 1948 and received here September 29, a similar print being received
on October 2 with Mr. Currier's approval.

Very truly yours,

Inspector of Buildings

MCD/s

687 First National Stores, Inc.
5 Middlesex Avenue
Cambridge, Mass.

Franklin Construction Company
24 Mystic Avenue
Medford, Mass.

Mr. Philip F. Snow
477 Congress Street

BP 13/750-Add. #1-1
(637 Congress Street)

September 25, 1948

Franklin Construction Company
c/o Mr. Anthony Pasquale
62 Newbury Street
Portland 3, Maine

Subject: Amendment to building permit at 637
Congress Street, the amendment to cover in-
troducing new roof steel to stiffen the
precast roof slabs

Gentlemen:

Amendment to construction permit as above is approved and issued to Mr. Pasquale,
herewith, but subject to the following:

Before any of the junior beams are put in place, it is necessary that you de-
scribe to us in writing or by plan how the new beams are to be installed in such manner
that the precast slabs already in place will get a firm bearing on the new beams, and
at the same time run no risk of slightly lifting the roof slabs which, as far as I can
determine, are not anchored to the present steel in any way. Presumably the new beams
will be erected deliberately with a small interval between the top of the steel and the
ribs of the slabs and then some type of "chiming" will be done in such manner that the
slabs cannot later slip out of place.

Presumably the connections of the new beams to the cross steel are to be welded,
and you are to see to it, of course, that the welding is done by only such welders as
have records of certification here within one year of the date of doing the welding.

Very truly yours,

Inspector of Buildings

WMD/S

CC: Franklin Construction Company
26 Kypic Avenue
Bedford, Massachusetts

First National Stores, Inc.
Attn: Mr. Frank Currier, Supt. of Outside Construction
5 Middlesex Avenue
Somerville, Massachusetts

Dear Mr. Currier:

I presume you are fully aware of the difficulties that have arisen over several
of the first story Lally Columns not being erected concentrically over the basement columns.
Several of these are quite bad. A makeshift effort has been made to correct the situation,
and your contractor or erector has employed a local structural engineer to design a remedy.

I shall appreciate the assurance from you that you are fully aware of the situation
and that you have approved the method of making the difficulty good before we approve it.
May I hear from you?

Warren McDonald

APPLICATION FOR AMENDMENT TO PERMIT



Amendment No. 1

Portland, Maine, Sept. 17, 1948

PERMIT ISSUED

SEP 25 1948

CITY of PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, ME

The undersigned hereby applies for an amendment to Permit No. 48/750 pertaining to the building or structure comprised in the original application 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 687 Congress Street Within Fire Limits? Yes Dist. No. 1B
 Owner's name and address First National Stores, Inc., 5 Middlesex Ave. Telephone
 Lessee's name and address Medford, Mass. Telephone
 Contractor's name and address Franklin Construction Co., 26 Mystic Ave. Telephone
 Architect Plans filed Yes No. of sheets 2
 Proposed use of building Store No. families
 Increased cost of work Additional fee 1.35

Description of Proposed Work

To provide additional steel beams for roof support as per plan.

Permit Issued with Letter

Mail to 687 Congress St.

Details of New Work

Is any plumbing work 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 of lining
 No. of chimneys Material of chimneys Dressed or full size? Size
 Framing lumber--Kind Sills Girt or ledger board? Size Max. on centers
 Corner posts Size Columns under girders Size Max. on centers
 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

Approved:

Signature of Owner By: F. Caspary
Franklin Const. Co.

Approved: W. W. W. Inspector of Buildings.

INSPECTION COPY

SP 43/100-1
(627 Congress Street)

July 31, 1948

First National Stores, Inc.
Attn: Mr. Roemer
5 Middlesex Avenue
Somerville, Massachusetts
Edward I. Leeds & Association
153 Brighton Avenue
Milton M., Massachusetts

Subject: Question of use of folding
gates at entrance from parking
lot to new store of First National
Stores, Inc. at 627 Congress Street

Gentlemen:

Contrary to the decision made at the time of a conference with Mr. Roemer at this office prior to issuance of the building permit for the new store and also to the condition stipulated in Paragraph 91 of the letter sent with this permit, after further consideration of the matter, we have concluded that the folding gates planned at the entrance to the store from the parking lot at the rear of the building are allowable under Building Code requirements and may be used if desired. The main reason governing this decision is that this entrance from the parking lot is likely to handle as many customers as the main entrance from Congress Street so that the possibility of the folding gates being locked with customers in the store is extremely small. It should be borne in mind however, if these gates are installed, that locking of them while persons are in the store will create an obstruction to a required means of egress which is contrary to law.

Very truly yours,

Inspector of Buildings

ME/G

CC: Frankini Construction Company
26 Myotic Avenue
Medford, Massachusetts

Frankini Construction Company
c/o Mr. Anthony Pasquale
62 Wentury Street
Portland 3, Maine

AP 537, Congress Street-1

May 13, 1943

Franklin Construction Company
c/o Mr. Anthony Pasquale
62 Newbury Street
Portland 3, Maine

Subject: Permit for construction of retail
store for First National Stores, Inc. at
637 Congress Street

Gentlemen:

The permit for the above work is issued herewith subject to the following:

1. As confirmation of agreement reached at the conference with Mr. Hooper and Mr. Pasquale, it is understood that all of the questions raised in our letter of May 11, 1943 are to be taken care of in compliance with Building Code requirements. It is also understood that the rear exit doors are to be adjusted as to hardware and arrangements to meet requirements and that the folding gates at this entrance are to be eliminated.
2. The use of the 15" thick plain concrete foundation walls in place of the 12" thick walls originally planned is also approved.
3. Attention is called to the need for great care in providing adequate anchorage for the pre-cast stone cornice at the top of the front wall of the building. The plans indicate a flashing extending for the full thickness of the wall between the cast stone and the brick work beneath. Due to the fact that this cornice overhangs the sidewalk and projects considerably beyond the face of the wall beneath it, special pains need to be taken in providing for its anchorage.
4. Notice is required to be given this office before any of walls, partitions or ceilings are lathed or otherwise closed from view. The plumbing and electric wiring should be installed and approved by the proper inspectors before this notice is given.
5. A certificate of occupancy, issued by this department, after a final inspection of the building has disclosed everything to be in compliance with law, is required before building is put into use.
6. Separate permits, payable only to the installers are required for the heating, ventilation, refrigeration and sprinkler systems. When application is made for the permit for installation of the sprinkler system, a plan of the installation bearing the stamp of approval of the fire insurance rating bureau having jurisdiction is required.

Very truly yours,

Inspector of Buildings

ASB/s

CC: First National Stores, Inc.
5 Middlesex Avenue
Salemville, Mass.
Franklin Construction Company
26 Mystic Avenue
Medford, Mass.

Edmund I. Leeds & Associates, Inc.
153 Brighton Avenue
Allston 34, Mass.

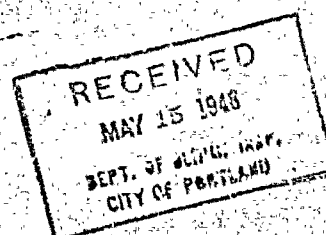
EDMUND I. LEEDS & ASSOCIATES
INCORPORATED
ARCHITECTS & ENGINEERS
153 BRIGHTON AVENUE
BOSTON 34, MASS.

ALGONQUIN 4-2362

Subject:

These plans (~~...plans~~...sheets) and specifications, covering the erection of (One Story Mercantile Building at 687 Congress Street, Portland, Maine for The First National Stores, Inc., 5 Middlesex Avenue, Somerville, Massachusetts) have been designed and drawn up by the undersigned according to the latest rules of engineering practice and to comply with allowable working stresses, floor loads, etc., required by the Building Code of the City of Portland.

(Signature) *Edmund I. Leeds & Assoc.*
By *Edmund I. Leeds*,



AP 637 Congress Street-1

May 11, 1943

Edmund I. Load & Associates, Inc.
153 Brighton Avenue
Allston 34, Mass.
Franklin Construction Company
25 Mystic Avenue
Boston, Mass.

Subject: Application for permit for construction of retail store at 637 Congress Street

Gentlemen:

A check of the plans filed with the application raises the following questions to be settled before the permit for the work can be issued:

1. Exit signs with letters at least 6" high showing either red or green on a light colored background are required to indicate the emergency exit doors at front and rear of store, location of all stairways in the basement, and on the grocery storage room side of the door in partition separating the two sections of the basement.

2. Vestibule latch sets so arranged that the doors may always be opened in the direction of exit travel solely by turning the customary knob or by pressure on a plate or lever are required on all doors involved in a means of egress. No other bolts or locks of any kind are allowable on such doors. Since an opening at least 3' wide is required in case of emergency, the locks on the double 2' 6" doors at the rear of the building must be provided in such a way as to make available the full width of the opening in case of need. One way to accomplish this would be to provide a vestibule latch set on the working door and an anti-panic bar on the standing door.

3. If locks of any kind are to be provided on the door in the partition between the two parts of the cellar, a vestibule latch set so arranged that the door may always be opened from the grocery storage side of the partition is required.

4. The folding gates indicated for the main doorway at the rear of the building are not allowable unless some method of locking them can be worked out so that they can readily be opened from the inside at any time in a manner similar to the other exit doors.

5. Handrails are required on both sides of all stairs over 40" wide. One of the cellar stairways is indicated as 3' 6" wide.

6. It is likely the Health Department will require vestibules outside the toilet rooms in the basement and that the doors to vestibules and toilets will need to be self-closing.

7. Incombustible firestopping is required at ceiling level between the furring on the outside walls.

8. The metal anchors for the first floor joists are required to be provided on the bottom of the timbers, to be of strap iron no less than 3/8" in thickness and 1 1/2" wide by 16" long. Where the floor timbers run parallel to the wall, they must be long enough to engage three joists.

9. Any chases to be provided in the concrete block walls must be built into the walls and not cut in afterward.

Leeds, Franklin — 2

May 11, 1943

10. The thin granite veneer to be used on the front of the building is required to be applied in accordance with a standard set up by the Municipal Officers in Appendix B of the Building Code and may be found on Page 203 of that ordinance. We will send you a copy of this standard upon request if you do not have a Code available for reference. As soon as the detail plans of this stonework have been received, a copy should be filed at this office for checking. It should be noted that this veneer is required to be laid up with the rest of the wall and not applied afterwards.

11. If any awning is to be provided for the store front, it should be noted that the awning bar must be located high enough to provide a clearance of at least 7' from the sidewalk to all parts of the awning in its lowered position.

12. Although we have made several requests and have sent several blank statements, we have as yet failed to receive the required statement of design to attach to the plans. If you are unable to find the blank statement sent you, the wording for it may be found on Page 6 of the Building Code.

Very truly yours,

Inspector of Buildings

AJS/S

CC: Franklin Construction Company
c/o Mr. Anthony Pasquale
62 Newbury Street

First National Stores, Inc.
5 Middlesex Avenue
Salem, Mass.

P.S. We have recently received an analysis of a 16" thick plain concrete foundation wall for the building to be substituted for a 12" reinforced concrete wall as previously planned. Will Mr. Murphy please let us know what authority he is using in establishing the allowable tensile strength of 2500 pound concrete at 50 pounds per square inch? We realize that some tensile strength must be allowed for the plain concrete, but are also well aware that it is the usual practice not to allow any.



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR
HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, July 13, 1948

PERMIT ISSUED

JUL 19 1948

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 685 Congress Street Use of Building Store No. Stories 1 New Building Existing
Name and address of owner of appliance First National Stores, Inc.,
Installer's name and address Kelley Fuel Co., 27 Mystic St., Telephone _____
Arlington, Mass.

General Description of Work

To install oil burning equipment in connection with existing steam heat

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 Kelomatic 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 concrete
Location of oil storage outside underground Number and capacity of tanks 1-1000 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

Tank bears Underwriters' Label; 2' below grade level; coated with asphaltum
No. 7 gauge.

Amount of fee enclosed? 1.00 (\$1.00 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.

Kelley Fuel Co.

Signature of Installer

By: Harold Kelley

INSPECTION COPY

Permit No. 48/1236

Location 685 Congress St

Owner First National

Date of permit 7/19/48

Approved 12-14-48 SLG

NOTES

7/23/48 Tank inspection has
label 7 gauge, more than
24" below finished grade.
Cable tubing to be lead from tank.
OK.

1 Fill Pipe ☒

2 Vent Pipe ☒

3 Kind of Heat ☒

4 Burner Rigidity & Supports ☒

5 Name & Label ☒

6 Stack Control ☒

7 High Limit Control ☒

8 Remote Control ☒

9 Piping Support & Protection ☒

10 Valves in Supply Line ☒

11 Capacity of Tanks ☒

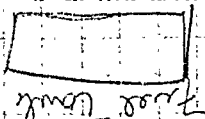
12 Tank Rigidity & Supports ☒

13 Tank Distance ☒

14 Oil Gauge ☒

15 Instruction Card ☒

Plan of building



Room 1000

Original Sheet



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR
HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, July 1, 1948

PERMIT ISSUED

01155
JUL 7 1948

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 685 Congress Street Use of Building Store No. Stories 1 ☒ New Building
Name and address of owner of appliance First National Stores, Inc., 5 Middlesex Ave., Somerville
Installer's name and address Thomas E. Nolan, 133 Moody St., Waltham, Mass. Telephone MASS.

General Description of Work

To install steam heating system

IF HEATER, OR POWER BOILER

Location of appliance or source of heat cellar (boiler room) 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 18"
From top of smoke pipe 18" From front of appliance over 4' From sides or back of appliance over 3'
Size of chimney flue 13x13 Other connections to same flue none
If gas fired, how vented? _____ 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 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

Permit Issued with Letter

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

APPROVED:

7/6/48

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

INSPECTION COPY

Signature of Installer

Thomas E. Nolan B

Permit No. 118 / 1155

Location 685 Congress St

Owner Furn. Warehouse Store

Date of permit 7/ 7 1948

Approved 12-14-48 E. G. G.

NOTES

(The notes section contains a large handwritten 'X' across the lines.)

AP 635 Congress Street-1
(Installation of steam
heating system)

July 7, 1943

Mr. Thomas F. Nolan
133 Moody Street
Waltham, Mass.

Subject: Building permit for installation of
steam heating system in new Market of First
National Stores, Inc. at 635 Congress Street
in Portland

Dear Sir:

Building permit for the above installation is issued, herewith, but this permit does not include the installation of the oil burning equipment or fuel storage tanks.

It is noted that the steam boiler is to be oil-fired, but none of the information required for installation of oil burning equipment has been shown on the application.

If you are to install the oil burning equipment, it is necessary that you file application for a separate permit for that installation and give the necessary information to show compliance with the requirements.

If some other concern is to install the oil burning equipment, will you be kind enough to notify that installer of the fact that he must secure a permit for the installation by application at this office in person, giving the necessary information across the counter to the permit clerk, and that the permit may be issued only to the installer.

If separate units for heating hot water or other purposes are contemplated, separate permits, issuable only to the installer, are required for these also.

Very truly yours,

Inspector of Buildings

WMCB/S

CC: Edmund L. Leeds & Associates, Inc.
153 Brighton Avenue
Allston 34, Mass.

Franklin Construction Company
26 Mystic Avenue
Roxford, Mass.

First National Stores, Inc.
Construction Department
5 Middlesex Avenue
Salemville, Mass.



(G) GENERAL BUSINESS ZONE

APPLICATION FOR PERMIT

Class of Building or Type of Structure Installation

Portland, Maine, July 16, 1948

PERMIT ISSUED

01247

JUL 20 1948

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 685-689 Congress Street Within Fire Limits? yes Dist. No. 1B
Owner's name and address First National Stores, Inc., Somerville, Mass. Telephone _____
Lessee's name and address _____ Telephone _____
Contractor's name and address James J. Coleman, 15 Spring St., W. Roxbury, Mass. Telephone _____
Architect _____ Specifications _____ Plans yes No. of sheets 2
Proposed use of building Store No. families _____
Last use _____ No. families _____
Material _____ No. stories _____ Heat _____ Style of roof _____ Roofing _____
Other buildings on same lot _____
Estimated cost \$ _____ Fee \$ 1.00

General Description of New Work

To install sprinkler system for store as per plans.

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** James J. Coleman

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

First National Stores

Michael J. Doyle

NOTES

10/29/48 Junction section along front
wall, at cutting and roof level.
Box shaped section approx 3' wide
by 3' high 20' long. This did not
blow up on plans, as Van-sprinkler
heads have been prohibited.
10/30/48 Letter regarding sprinkler heads
along dup ceiling section of front
wall & floor.

Permit No. 48/1247
Location 685 Commerce St.
Owner Frank H. H. H.
Date of permit 7/20/48
Notif. closing-in
Inspn. closing-in
Final Notif.
Final Inspn. 11/3/48 JCB
Cert. of Occupancy issued None

NEW ENGLAND
FIRE INSURANCE RATING ASSOCIATION

89 BROAD STREET, BOSTON

BENJAMIN M. HERMES
EXECUTIVE MANAGER

RALPH SWEETLAND
SECRETARY-TREASURER

ADDRESS MAIL
BOX 2057, BOSTON 6, MASS.

STEPHEN L. BURGHER, MANAGER
PERCY C. CHARNOCK, MANAGER
EDWARD DEVINE, MANAGER
PERCY E. NUTE, ASSISTANT MANAGER
FRANCIS A. O'HEARN, ASSISTANT MANAGER
WARDE WILKINS, ASSISTANT MANAGER

NOVEMBER 3, 1948

Mr. Warren McDonald, Insp. of Bldgs.
Portland City Hall
Portland, Maine.

FIRST NATIONAL STORES INC.
685 - 689 CONGRESS STREET
PORTLAND, MAINE. I R D #

Dear Sir:-

We have your letter of October 30, 1948 and would advise that, since receipt of this letter, we have discussed this matter with the Sprinkler Contractor, JAMES J. COLEMAN.

This office was aware that there was a concealed space above the dropped ceiling but, we were not familiar with the area 4' wide, as described in your letter.

Mr. Coleman has advised us that he feels it would be impractical to install sprinkler in this area as the piping would be subject to freezing in cold weather due to lack of heat in this area. If the area is as small as he has indicated and would require but one sprinkler, we would be willing to waive its installation.

We might mention at this time that we are willing to omit sprinklers in the very shallow concealed area between the roof and the ceiling, only provided fire resistive curtain boards, or, cut-offs were provided in this area in order to minimize the possibility of fire spreading through the entire roof area.

As indicated above, we would be willing to permit the omission of the one (1) sprinkler in this area if that is all it would require.

We appreciate your interest in this matter, together with your co-operation in this and any other risks under our jurisdiction.

Yours very truly

S. L. Burgher
S. L. Burgher
Manager

MSF/M

RECEIVED

NOV. 4 1948

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

BS 1247-1
(sprinkler system)

October 30, 1948

New England Fire Insurance Rating Association
89 Broad Street
Boston, Massachusetts

Subject: Question of sprinkler
system coverage at the front of
the new First National Stores,
Inc. store at 685-689 Congress St.

Gentlemen:

Our inspector has discovered a space above a drop ceiling at the front of the above new store which, it seems to me, should be protected by sprinkler heads. The situation is not made very clear on the architect's plans, and there is little wonder that the omission was not detected when the sprinkler plans of James J. Coleman were examined for your approval.

I refer to an irregular shaped space over the low ceiling at the front of the store which is about 4' wide on one end and tapers down to nothing on the other end. It is apparent that a few sprinkler heads could be provided in this space, because they have to allow an access panel to get in there and service the electrical work.

This particular space, to be sure, adjoins the shallow space between the main ceiling and the underside of the roof slabs. It is unfortunate that there is not room enough between the main ceiling and the roof to permit servicing the sprinkler heads in that large area because there are quantities of wooden joists, wooden struts, and wooden hangers in the ceiling construction, above the heads/the main sprinkler system. That, of course, cannot be avoided, but it seems reasonable to suppose that at least a few heads could be provided in this deeper, first mentioned area, and thus any fire originating in the shallow space above the main ceiling would soon set off some of these heads in the front end and give the alarm.

We certainly will be satisfied with your decision in this matter, and I would appreciate it if you would let us know as soon as possible what your feeling is in the matter, because the ceiling of the store is being finished up rapidly and the owners are trying to establish an early opening date.

Very truly yours,

Inspector of Buildings

WJG/G

CC: Mr. James J. Coleman
16 Spring Street
Boston, Massachusetts

Franklin Construction Company
c/o Mr. Anthony Pasquale, 62 Rowbury Street
First National Stores, Inc., 5 Middlesex Avenue
Somerville, Massachusetts, Attn: Mr. Currier

FIRST NATIONAL STORES INC.

5 MIDDLESEX AVENUE • SOMERVILLE 45, MASSACHUSETTS



April 5, 1948.

Mr. Warren McDonald.
Building Department.
City of Portland,
Maine.

RECEIVED

APR 6 1948

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

Dear Sir:-

In connection with the store which we propose to erect at #685 Congress St., Portland, it is our intention to install a sprinkler system in the street floor and basement areas which will conform to the Underwriter's Specifications.

We are at the present time getting bids for this work, and the job will be given to the lowest bidder.

Very truly yours,

FIRST NATIONAL STORES INC.

H.A. White

C
O
P
Y

RECEIVED

APR 8 1948

DEPT. OF BLD'G. I.N.S.
CITY OF PORTLAND

April 7, 1948.

Mr. Ronald Thomas.
42 Deering Street,
Portland, Maine.

Dear Sir:-

In accordance with Section 307-a-4 of the Portland Building Code, we are notifying you that we intend to excavate on our easterly property line in connection with the erection of a building at #685 Congress Street, Portland.

This work will be done in such a manner that it will not endanger your property where it abuts our property.

Very truly yours,

FIRST NATIONAL STORES INC.

H. A. White

enc

H. A. White

no phone

*Please file
with original*
C O P Y

RECEIVED
APR 8 1948
DEPT. OF H.D'G. INSP.
CITY OF PORTLAND

April 7, 1948.

Queen's Hospital.
679 Congress Street,
Portland, Maine.

*Miss Hospital
Miss Home*
4-1463
29/48

Gentlemen:-

In accordance with Section 307-a-4 of the Portland Building Code, we are notifying you that we intend to excavate on our easterly property line in connection with the erection of a building at #685 Congress Street.

This work will be done in such a manner that it will not endanger your property where it abuts our property.

Very truly yours,

FIRST NATIONAL STORES INC.

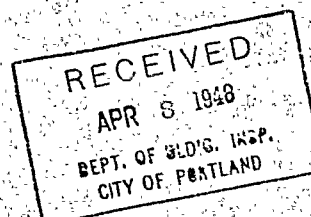
H.A. White

enc

H.A. White

*OK
4/8/48
Letter announced
read letter*

C
O
P
Y



April 7, 1948.

Mr. James C. Conneen. 3-5948
38 Desiring Street,
Portland, Maine.

Dear Sir:-

In accordance with Section 307-a-4 of the Portland Building Code, we are notifying you that we intend to excavate on our easterly property line in connection with the erection of a building at #685 Congress St., Portland.

This work will be done in such a manner that it will not endanger your property where it abuts our property.

Very truly yours,

FIRST NATIONAL STORES INC.

H.A. White
H.A. White

H.A. White

*Called several
times - no answer
4/9/48*

COPY

RECEIVED

APR 8 1948

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

April 7, 1948.

3-0354
Ada B. Currier.
40 Deering Street,
Portland, Maine.

Dear Madam:-

In accordance with Section 307-a-4 of the Portland Building Code, we are notifying you that we intend to excavate on our easterly property line in connection with the erection of a building at #685 Congress Street.

This work will be done in such a manner that it will not endanger your property where it abuts our property.

Very truly yours,

FIRST NATIONAL STORES INC.

H.A. White

one

H.A. White

OK
L.H. Reed
4/17/48

C
O
P
Y

RECEIVED

APR 8 1948

DEPT. OF BLDG. DEPT.
CITY OF PORTLAND

April 7, 1948.

Mr. Francis J. Welch.
44 Deering Street,
Portland, Maine.

Dear Sir:-

In accordance with Section 307-a-4 of the Portland Building Code, we are notifying you that we intend to excavate on our easterly property line in connection with the erection of a building at #635 Congress St., Portland, Me.

This work will be done in such a manner that it will not endanger your property where it abuts our property.

Very truly yours,

FIRST NATIONAL STORES, INC.

H.A. White
enc

H.A. White

OK
Letter rec'd
4/8/48



(G) GENERAL BUSINESS ZONE
APPLICATION FOR PERMIT

Class of Building or Type of Structure Structure

Portland, Maine, April 3, 1948

PERMIT ISSUED

APR 13 1948

CITY OF PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

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 667 Congress Street Within Fire Limits? Yes Dist. No. 1B
Owner's name and address First National Stores, Inc., Telephone _____
Lessee's name and address _____ Telephone _____
Contractor's name and address Frankini Construction Co., c/o Anthony Pasquale Telephone _____
Architect _____ Specifications _____ Plans yes No. of sheets _____
Proposed use of building _____ No. families _____
Last use _____ No. families _____
Material _____ No. stories _____ Heat _____ Style of roof _____ Roofing _____
Other buildings on same lot _____
Estimated cost \$ 3000. Fee \$ 3.00

General Description of New Work

To erect concrete retaining walls on easterly and westerly side of lot as per plans filed with original building.

CERTIFICATE OF OCCUPANCY
REQUIREMENT IS WAIVED

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 Anthony Pasquale, 62 Newbury St.

Details of New Work

Is any plumbing work 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

First National Stores, Inc.
Frankini Construction Co.

Signature of owner By: Anthony Pasquale

APPROVED:

INSPECTION COPY

NOTES

NOTES

4/23/48. For me started. c. 10



APPLICATION FOR PERMIT

Class of Building or Type of Structure Foundation

Portland, Maine, March 31, 1948

PERMIT ISSUED
00466

APR 10 1948

CITY OF PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for a permit to ~~erect~~ excavate and construct 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 687 Congress Street Within Fire Limits? Yes Dist. No. 15
Owner's name and address First National Stores, Inc., c/o Anthony Telephone _____
Pasquale, 62 Newbury St.
Lessee's name and address _____ Telephone _____
Contractor's name and address Frankini Construction Co. Telephone _____
Architect _____ Specifications _____ Plans xx yes No of sheets _____
Proposed use of building Store No. families _____
Last use _____ No. families _____
Material _____ No. stories _____ Heat _____ Style of roof _____ Roofing _____
Other buildings on same lot _____
Estimated cost \$ _____ Fee \$ 1.00

General Description of New Work

To excavate and construct foundation only for 1 story building 72'x156' as per plans filed.

Permit Issued with Letter

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.

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 concrete at least 4' below grade Thickness, top 12" bottom 12" cellar yes
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

First National Stores, Inc.
Frankini Construction Co.

Signature of owner By: Anthony Pasquale

INSPECTION COPY

Permit No. 48/ 466
Location 687 Congress St.
Owner First National Stores
Date of permit 4/10/48
Notif. closing-in _____
Inspn. closing-in _____
Final Notif. _____
Final Inspn. 5/12/48 D.K.
Cert. of Occupancy issued _____

NOTES

4/23/48 Excavation started,
ledge encountered, no
form work yet. etc.

085
EDMUND I. LEEDS & ASSOCIATES
INCORPORATED
ARCHITECTS & ENGINEERS
153 BRIGHTON AVENUE
BOSTON 34, MASS.

ALGONQUIN 4-2362

Subject:

May 14, 1948

Mr. Warren Mc Donald
Inspector of Buildings
Portland, Maine

Dear Sir:

We enclose, herewith, my certificate which you requested in paragraph 12.

Also Mr. Murphy's findings in relation to the strength of the concrete wall. I have read paragraph's one to eleven, inclusive, to Mr. Frank Currier, the outside superintendent for The First National Stores, Inc.

Mr. Currier expects to be in Portland, Maine on Monday and will see that your requests are complied with.

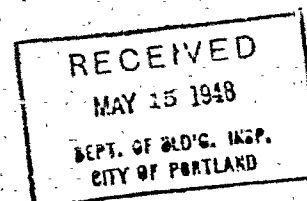
Very truly yours,

EDMUND I. LEEDS & ASSOCIATES, INC.

By

Edmund I. Leeds
Edmund I. Leeds

EIL:m



EDMUND I. LEEDS & ASSOCIATES
INCORPORATED
ARCHITECTS & ENGINEERS
153 BRIGHTON AVENUE
BOSTON 34, MASS.

ALGONQUIN 4-2362

May 14, 1948

Subject:

Mr. Warren Mc Donald
Inspector of Buildings
Portland, Maine

Dear Sir:

In reference to the post-script of your letter of May 11th, 1948, we would say that our understanding is that you wished to be assured of the stability of the foundation walls without the benefit of super-structure loads. In the event that back-fill should be placed against the foundation walls prior to the erection of the super-structure. We wish to emphasize that the tensile stress of 30 lbs. per square inch, as shown by our analysis, is temporary for the interim time after the back-fill is placed (if any), and before the super-structure is built. Our authority for believing that such temporary stress is not unduly high is based on the A. C. I. Building Code, Section 1207 (B) which allows tension in the concrete shall not exceed .03 f'c". This would be 75 lbs. per square inch for 2500# per square inch f'c. While this requirement applies to permanent tensile stress in plain concrete footings, we felt that two-thirds of this allowable stress might logically apply as temporary stress limits in the walls.

We are further advised that the American Standard Building Requirements for Masonry, as issued by the U. S. Department of Commerce, National Bureau of Standards also permits tensile stresses in concrete members up to $\frac{3}{8}$ of f'c where the ratio of height to thickness of members does not exceed 10. We do not have this code at hand but it is being forwarded to us and we will advise you as to the section and paragraph reference as soon as it is received.

We also wish to point out that the permanent loading, due to the super-structure, will produce direct compression stress in these foundation walls which will further neutralize the tensile stresses to the point of negligence. Under the permanent load of walls, floor and roof,

RECEIVED

MAY 15 1948

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

EDMUND I. LEEDS & ASSOCIATES
INCORPORATED
ARCHITECTS & ENGINEERS
153 BRIGHTON AVENUE
BOSTON 34, MASS.

ALGONQUIN 4-2362

Subject:

Continued:

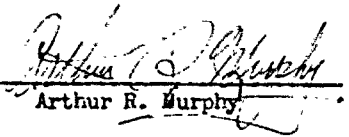
local stress in the area under the beam concentrations will resolve to compression over the entire area of the wall, and at the local intermediate points tensile stress will be less than 15 lbs. per square inch.

It would seem to us, therefore, that under temporary loads, tensile stresses, as shown, are well within safe limits, and under permanent loads, tensile stresses are local and of such small magnitude to be negligible.

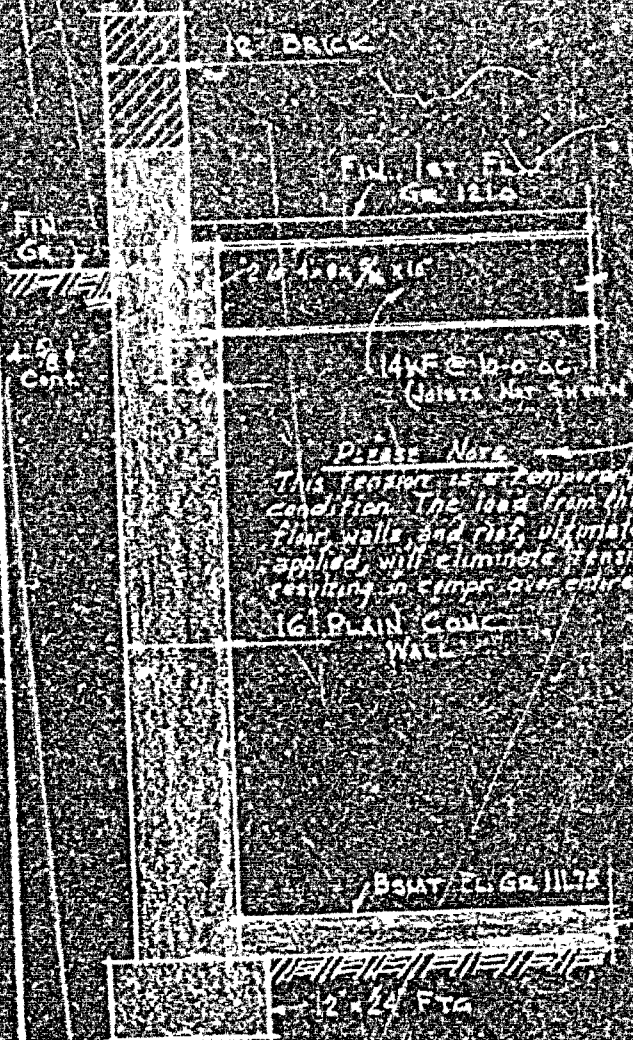
Very truly yours,

EDMUND I. LEEDS & ASSOCIATES, INC.

By


Arthur R. Murphy

ARM:M



Please Note
This tension is a temporary condition. The load from the floor walls and roof, ultimately applied, will eliminate tension resulting in comp. over entire wall.

TYPICAL SECTION
EAST & WEST WALLS

Soil @ 100' / 4' /
Max Pressure = 1.45 tons / sq ft
Net Pressure = 0 (at top)
Dist. from 2 = 1350' / 1' /
Rd base = 1350' / 4' = 337.5'
Rd top = 1350' / 4' = 337.5'
M = 128 x 1350 x 2 = 1570' / 1' /
1570' / 1350 = 1.16' / 1' /
1.16' / 4' = 29.5' / 1' /

Wall 7' 6" high above point of Max M.
Direct Comp. = 1.16'
Net Tension = 29.5' / 1' /
Allowable Tension = 1500' / 1' /
Top of wall as local beam supported by floor beams.
M = 450' / 1' / = 450' / 1' /
2 x 12' / 4' = 1500' / 1' /
1500' / 4' = 375' / 1' /

Use 3" x 8" continuous as shear.
R = 450' / 1' / = 450' / 1' /
14WF 40 braced by floor joists.

Stress due to wall
1500' / 1' / = 320' / 1' /
1500' / 1' / = 320' / 1' /

2 Anchor 5' 4" x 4" x 1/2"
pinching shear = 450' / 1' / = 18' / 1' /
2 x 12' / 4' = 1500' / 1' /
2 x 12' / 4' = 1500' / 1' /

2 x 12' / 4' = 1500' / 1' /
2 x 12' / 4' = 1500' / 1' /
2 x 12' / 4' = 1500' / 1' /

FIRST NATIONAL STORES INC
687 CONGRESS ST. PORTLAND ME.
EDWARD I. LEEDS & ASSOC. INC.
ARCHITECTS
105 BRIGHTON AVE. ALBANY, MASS.

PA
ARTHUR R. MURPHY
REGISTERED ENGINEER
MASS. REG. NO. 8538

EDMUND I. LEEDS & ASSOCIATES
INCORPORATED
ARCHITECTS & ENGINEERS
153 BRIGHTON AVENUE
BOSTON 34, MASS.

ALGONQUIN 4-2362

Subject:

May 5, 1948

Mr. Warren Mc Donald
Inspector of Buildings
Portland, Maine

RECEIVED

MAY 6 1948

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

Re: AP 687 Congress Street, I

Dear Sir:

Enclosed, herewith, is an analysis of the basement walls for the store building to be constructed at 687 Congress Street, Portland, Maine, for the First National Stores, Inc.

This analysis is based on the substitution of a sixteen inch (16") thick plain, concrete wall, in lieu of a twelve inch (12") reinforced, concrete wall, as previously purposed.

We believe that the supporting computation justifies this substitution and trust that it will meet with your approval.

Very truly yours,

Edmund I Leeds & Associates

By

Arthur R. Murphy

Registered Engineer, Mass. No. 893

AJM:m

cc: Mr. John Roemer
% First National Stores, Inc.
Framingham, Massachusetts

These plans (sheets) and the specifications accompany-
ing the same, covering construction work on

Foundation Walls

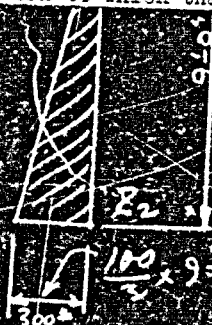
have been designed and drawn up by the undersigned according
to the latest rules of engineering practice and to comply with
the allowable working stresses, floor loads, etc. required by
the Building Code of the City of Portland.

(Signature) *Edward J. Simpson*

By

(This statement is to be signed by the individual responsible
for the design, and he should indicate in the blank provided
the particular work to which the statement applies.)

Job No. _____ Sheet No. *1*
Date *April 13, 1918*
Designed by *E. J. Simpson* P.E.
Checked by *W. L. Barker* S.T.
South Boston St., Mass.



$$A_1 = 1570 = \sqrt{\frac{1570}{1.96}} = 2.8'$$

$$As req'd = \frac{1570 \times 12}{20,000 \times 7 \times 10.5} = 0.102 \text{ sq ft}$$

$$Use Temp Reinf \frac{1}{2} \phi 12 @ 6" = 0.20'$$

$$E_1 = \frac{300 \times 9}{2 \times 3} = 450 \text{ lb/ft.}$$

Consider top support as fixed beam spanning
from E. & W. Cols 19'-0"

$$BM = \frac{450 \times 19^2}{10} = 16,200 \text{ ft.}$$

$$Cap of 12" wall (d=10") per ft. BM = \frac{194.2 \times 12^2}{12} = 2,160 \text{ ft.}$$

$$As req'd = \frac{16,200 \times 12}{20,000 \times 7 \times 10.5} = 1.06' = 21,600 \text{ ft.}$$

Use 2-#8 at top
 $A_s = 1.2'$

$$Tip reaction at E. Cols $450 \times 19 = 8,550 \text{ ft.}$$$

$$Try 4 \times 4 \text{ in } 13 \quad \frac{L}{r} = \frac{100}{95} = 1.26 \text{ allowable } f = 9,530$$

$$Capacity $9,530 \times 3.99 = 38,000 \text{ ft. OK}$$$

Use 4 \times 4 \text{ in } 13 at E. Cols
to run parallel with
floor joists
Provide 3 \times 4 L-brack
each side of wall at corner wall

City _____

Name Street City College Street

Job No. _____ Sheet No. 2

Portland, Maine

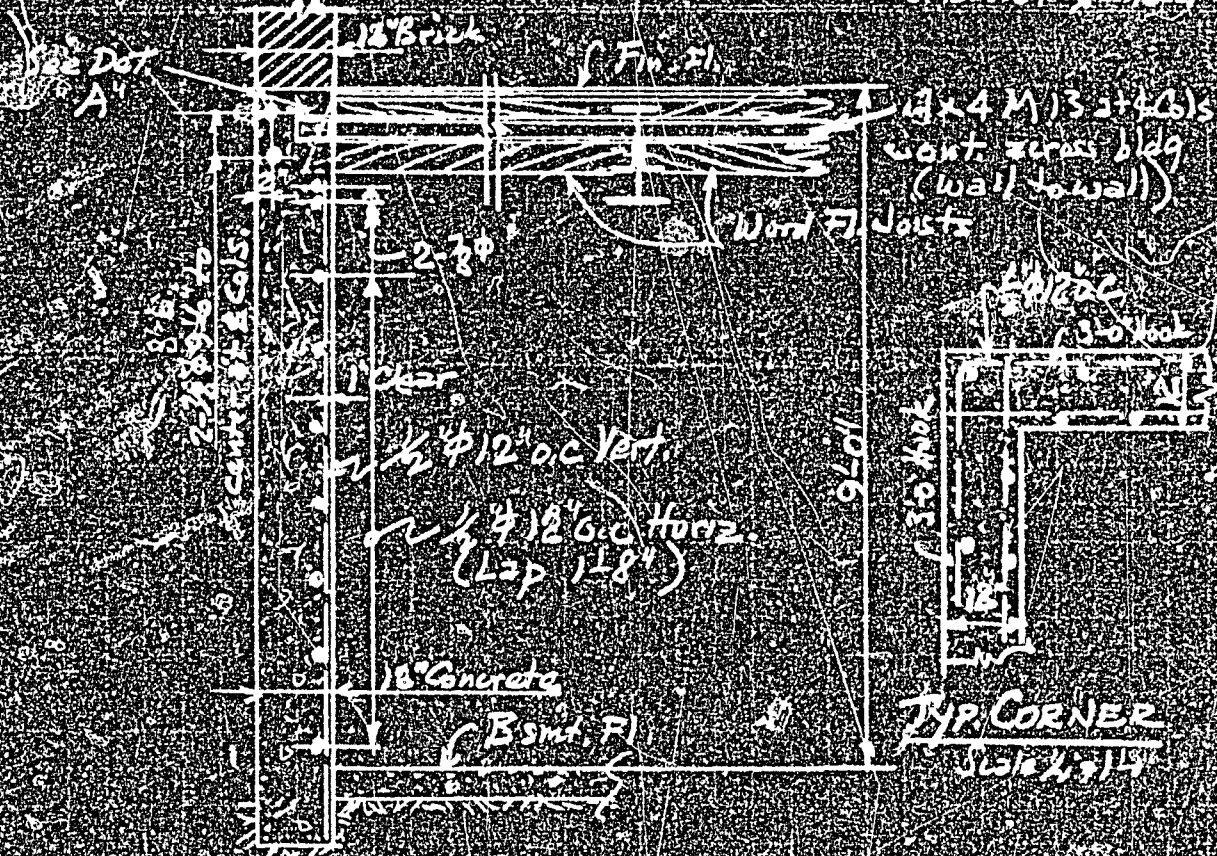
Date April 13, 1946

Subject Basement Walls

Computed by E. J. Finkbeiner, R.E.

Checked by 131022 H. J. Finkbeiner

50, Boston Street



TYP. CROSS SECTION

BSMT. WALL

Scale $\frac{1}{4}'' = 1'-0''$



DET. AT "A"

Scale $\frac{1}{4}'' = 1'-0''$

Quantity of Material

$4 \times 4 \text{ M } 13 = 3.99 \text{ cu yd}$
 $2 \text{ LS } 2 \times 8 = 2.00$
 23.99
 Say 24.00
 $\text{C.P. } 2 \text{ } 6 \text{ } 1/2 \text{ } 1/2 = 24.60$
 14.40
 $\text{S.O.K. } 40 \text{ R} = 86.00$

At 687 Congress Street-1

April 29, 1948

Mr. Edmund I. Leeds
153 Brighton Avenue
Allston 34, Mass.

Subject: Change in design of foundation walls for new building of First National Stores, Inc. at 687 Congress Street

Dear Sir:

We are in receipt of your letter with calculations and design for reinforcement of the 12" concrete foundation walls of the building to be erected at the above location. This design would appear to take care of the conditions involved and this letter may be considered as removing the limits set upon the work when the permit for excavation and foundation was issued. Of course the contractor will need to be furnished with a plan showing the method of reinforcement to be provided for his use in construction of the wall.

Very truly yours,

Inspector of Buildings

AJS/S

CC: Frankini Construction Company
c/o Anthony Pasquale
62 Newbury Street

Frankini Construction Company
26 Myrtle Avenue
Roslindale, Mass.

First National Stores, Inc.
5 Middlesex Avenue
Somerville, Mass.

egis

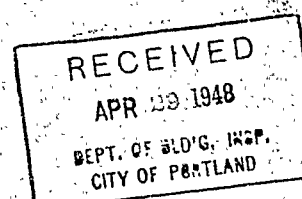
EDMUND I. LEEDS & ASSOCIATES
INCORPORATED
ARCHITECTS & ENGINEERS
153 BRIGHTON AVENUE
BOSTON 34, MASS.

ALGONQUIN 4-2562

Subject:

April 28, 1948

Mr. Warren Mc Donald
Inspector of Buildings
Portland, Maine



Dear Sir:

We are sending you, herewith, two sheets of blueprint calculations and sketches showing the proposed arrangement of the reinforcing of the sixteen inch foundation walls of the First National Store building. We are also sending you the signature of Mr. Edward J. Simpson, who made these calculations.

I trust that this is the information you desire and that it will be satisfactory to you so that you may issue a permit for these foundation walls.

Very truly yours,

Edmund I. Leeds
Edmund I. Leeds

EIL:m

AP 637 Congress Street-1

April 9, 1948

Franklin Construction Company
c/o Anthony Pasquale
62 Newbury Street
Mr. Edmund L. Leeds
153 Brighton Avenue
Allston 3, Mass.

Subject: Permit for excavation and foundation only for new store building 72' x 156' at 637 Congress Street

Gentlemen:

The permit for the above work is issued herewith to the contractor subject to the following:

1. The first floor joists are required to be fastened to the concrete foundation wall by metal anchors not less than one and one-half by three-eighths inches by 16 inches long spaced not over eight feet on centers and securely fastened to the bottom of the timbers, or equivalent arrangement. Where the floor joists are parallel to the wall, the anchors are required to be long enough to engage the bottom of three joists. This matter is called to your attention now as it is likely that some arrangement will need to be made in this regard when the foundation wall is poured.

2. Will the architect please fill out and sign the enclosed blank statement of design and return to us?

3. It is noted from the plans that the 12" thick foundation walls of plain concrete will be called upon to retain earth to a height of nine feet or better throughout much the length of the walls. On the face of it without any investigation this would seem an excessive height for a wall of this thickness. No start is to be made on the form work of these walls until the architect has presented evidence by way of his design figures to show that the allowable tensile strength of the concrete will not be exceeded due to the stresses set up by the height of earth to be retained. Even if the weight of the building and the bracing effect of the floor is considered as overcoming any overturning action from the earth thrust, there is little doubt but that the wall must be considered as a beam with the reaction points at the cellar and first floor levels and must be designed accordingly.

Very truly yours,

Inspector of Buildings

AJS/s

CC: Franklin Construction Company
26 Fystic Avenue
Needham, Massachusetts

First National Stores, Inc.
5 Middlesex Avenue
Somerville, Massachusetts

AP 687 Congress Street-I

April 2, 1948

Mr. Edmund I. Leeds
153 Brighton Avenue
Allston 34, Massachusetts

Subject: New store for First National Stores,
Inc. at 687 Congress Street in Portland

Dear Mr. Leeds:

Franklin Construction Company is asking for an advanced permit to cover excavation and foundation only.

Since our conference in February the plans have been revised in a number of particulars making the building straight Second Class Construction.

From my recollection of our conference it appears that you must intend to sprinkler the entire building which is apparently required for this type of construction and the area intended which is somewhat more than 10,000 square feet.

Only indication that we can find of the intent to sprinkler is a note on the plans to the effect that sprinklers are required.

Inasmuch as issuing the advanced permit will be a committal to the area intended, will you be good enough to verify the fact of the sprinkler system so that we may issue the advance permit with the assurance that misunderstanding will not arise later in this connection?

Since the excavation is to be made to the easterly side property line, it seems necessary that the owner of the adjoining land be given written notice of your intention to excavate with a statement of the extent and character of the excavation to be made as per Section 307-a-4 of the Building Code. While it is not sure that the excavation would endanger anything I would prefer that this formality be carried through so that questions may not arise later. This is usually done by sending a letter to the owner of the adjoining property and a copy to this office so that we may have evidence that the notice to excavate has been given.

Very truly yours,

WHD/J

Inspector of Buildings

CC: Franklin Construction Company
26 Mystic Avenue
Medford, Massachusetts

First National Stores, Inc.
5 Middlesex Avenue
Somerville, Massachusetts



GENERAL BUSINESS ZONE
APPLICATION FOR PERMIT

Class of Building or Type of Structure Metal Frame 7

Portland, Maine, March 29, 1948

PERMIT ISSUED

00750
MAY 18 1948

CITY OF PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

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 587 Congress Street Within Fire Limits? yes Dist. No. 1B
Owner's name and address First National Stores, Inc., 5 Middlesex Ave. Telephone _____
Lessee's name and address Somerville, Mass. Telephone _____
Contractor's name and address Franklin Construction Co., 26 Mystic Ave. Telephone 3-2780
Architect Edmund T. Leeds & Associates, Inc. Specifications yes Plans yes No. of sheets _____
153 Brighton Ave., Allston 34, Mass.
Proposed use of building Store No. families _____
Last use _____ No. families _____
Material _____ No. stories _____ Heat _____ Style of roof _____ Roofing _____
Other buildings on same lot _____
Estimated cost \$100,000. Fee \$ 50.00

General Description of New Work

To construct 1 story masonry frame building 73'x156' as per plans.

INSPECTION NOT COMPLETED

Health Notices to
Health Officer and thus

Permit Issued with Letter

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 Franklin Construction Co. 62 Newbury Street
PERMIT TO BE ISSUED TO Anthony Pasquale

Details of New Work

Is any plumbing work involved in this work? yes Is any electrical work involved in this work? yes
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 1 Material of chimneys brick of lining tile Kind of heat hot water fuel oil
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? _____

PROVED:

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

First National Stores, Inc.
Franklin Construction Co.

Signature of owner By: Anthony Pasquale

INSPECTION COPY

Owner First National Stores

Date of permit 3/18/48

Notif. closing-in 10/14/48 G.T. 36

Inspn. closing-in 10/29/48

Final Notif. None

Final Inspn. 12/14/48, 136

Cert. of Occupancy issued

NOTES see attached insp. report for notes not on this copy

9/4/48 - Demolition of walls

10/13/48 - Told fore-

man O.K. to plaster

only that portion

ceiling of basement

building

10/14/48 - Gone G.T. to

close in basement ceiling

only selecting a few

unfit plaster for removal

10/19/48 - Plaster

closing-in for side walls

metal ceiling

unconformable for

at ceiling level

before it could be done

10/29/48 - Permission to close

rooms on west side to

Congress St.

11/9/48 - Permission to close

in rear area of ceiling

Walls have been dismantled

at ceiling level with minimal

12/14/48 - Exit signs over

entrance door and rear

door

12/14/48 - Plaster

work on basement

ceiling

12/14/48 - Plaster

work on basement

ceiling

12/14/48 - Plaster

work on basement

ceiling

12/14/48 - Plaster

work on basement

ceiling

12/14/48 - Plaster

work on basement

ceiling

INSPECTION NOT COMPLETED

INQUIRY BLANK

ZONE G.

FIRE DIST. 1B

CITY OF PORTLAND, MAINE
DEPARTMENT OF BUILDING INSPECTION

Verbal
By Telephone

Date 2/20/48

LOCATION 685-687 Broadway OWNER

MADE BY Edmund J. Lee archt for 1st nat store TEL.

ADDRESS 152 Brighton Ave, Boston, Mass

PRESENT USE OF BUILDING

CLASS OF CONSTRUCTION NO. OF STORIES

REMARKS:

INQUIRY: What does quick exam. of plans disclose
as to conf. lines with Bldg Code
for new store for 1st nat store

Filed 9 sheets of prints and
2 sheets of computations
Plans to be filed in Bldg Code
file. Computations with this

ANSWER: See memo. regarding in Bldg Code
which was not sent in
given to Mr. Lee

DATE OF REPLY 2/20/48 REPLY BY Wm J.

January 6, 1948

THE FIRST NATIONAL STORES, INC.

PORTLAND, MAINE

FIRST FLOOR CALCULATIONS

Beam - A

LL 75
DL 75
150
23 x 10 = 230 sq.ft. x 150 = 34,500
14" WF 48 Value = 36,600

Beam - B

17.5 x 10 = 175 sq.ft. x 150 = 26,250
14" WF 34 Value = 26,400

Beam - C

22 x 10 = 220 sq.ft. x 150 = 33,000
14" WF 43 Value = 34,200

Beam - D

13 x 10 = 130 sq.ft. x 150 = 19,500
10" WF 21 Value = 19,800

Beam - E

11 x 10 = 110 sq.ft. x 150 = 16,500
8" WF 19 Value = 17,500

Beam - F

1.34 x 12 = 16.08 x 120 = 1929.60 lbs. x 40 = 77,184 masonry
4 x 40 = 160 sq. ft. x 70 = 11,200 roof, etc.
88,384
30" WF 108 Value 89,800

Beam - G

1.34 x 12 = 16.08 cu.ft. x 120 = 1929.60 lbs. x 15 = 28,944 masonry
4 x 15 = 60 sq.ft. x 70 = 4,200 roof, etc.
33,144
12" WF 36 Value 36,700

January 6, 1948

PORTLAND, MAINE

THE FIRST NATIONAL STORES, INC.

Beam - H

23 x 20 = 460 sqft x 70 = 32,200
14" WF 43 Value 32,700

Beam - I

18 x 20 = 360 sq.ft. x 70 = 25,200
14" WF 30 Value 27,900

Beam - J

21.5 x 17 = 366 sq.ft. x 70 = 25,620
14" WF 34 Value 26,500

Beam - K

13 x 20 - 260 sq.ft. x 70 - 18,200
10" WF 21 Value 19,800

Beam - L

12 x 19 - 228 sq.ft. x 70 - 15,960
8" WF 21 Value 18,000

Inquiry near 637-695 Congress Street

February 24, 1948

Mr. Edmund I. Leeds
153 Brighton Avenue
Boston 34, Mass.

Subject: Status under the Zoning Ordinance of the land in the rear of 637-695 Congress Street proposed to be leased by First National Stores, Inc. for a parking space in connection with proposed retail store.

Dear Mr. Leeds:

I misinformed you the other day as to the type of zone this lot is in. It is actually in a Limited Business Zone instead of an Apartment House Zone.

This probably clears up the zoning question to a large extent because parking of motor vehicles is an allowable use in a Limited Business Zone but not more than one commercial motor vehicle is permitted at any one time on a given lot.

It is noted that the exterior dogway through which goods will doubtless have to pass into the grocery storage⁷ in the rear wall of the proposed building near the side wall toward State Street. This doorway would open on a small section of the land which is actually in an Apartment House Zone, but the owners enjoy the same rights as in a General Business Zone because the lot has frontage in General Business Zone and the zone line between the General Business Zone and the Apartment House Zone passes through the lot. There are habitations or similar buildings not used for commercial purposes all around this area, however, and the owners should bear in mind that loading or unloading goods at unseasonal hours will likely raise difficulties under the Zoning Ordinance because any use of property injurious, noxious or offensive to a neighborhood by reason of the emission of noise, vibration etc. is prohibited. We had difficulty along this line at the First National Supermarket on Forest Avenue several years ago, a difficulty which they promptly corrected by changing time of loading and unloading.

Some features with regard to exit requirements in our present effective code (Second Edition published in 1946) should be drawn to your attention. The minimum width of all parts of a means of egress in new construction work is 3' (Section 212e1.2(c)). On this basis it appears that at least one of the aisles between checkstands on either end of the store will have to be at least 3' wide instead of the much smaller width shown.

The double outward swinging doors for entrance and exit at the rear of the proposed store shall be 30" wide. To provide the minimum width of means of egress of 3' it will be necessary that both doors be capable of opening from the inside simultaneously. Section 212e2.5 of the Code requires that such doors be equipped with no less than vestibule latch sets—"such locks or latches, and only such, that all fastenings which would keep the door from opening will be instantly released, without special knowledge or ability, merely by turning the customary knob or pressure on a plate or lever." Thus the single entrance door at the front of the store and the "working" door of the pair of entrance and exit doors in the rear wall each requires a vestibule latch set, but the "standing" door of the rear pair requires anti-panic hardware with bar, since otherwise, with the usual top and bottom bolts, the standing door could not be opened quickly enough so as to count the width for exit as at least 3'. The outward swinging doors in the screen partitions at each end, marked to be provided by First National Stores, Inc., should be equipped with vestibule latch sets if the doors are to have any lock or latch on them.

Exit signs with letters in the word "Exit" showing red and no less than 6" high on an appropriate background should be provided over the rear door leading through the

Mr. Edmund I. Leeds — 2

February 24, 1948

screen partition and over the 3-foot wide aisle through the checkstand at the front, the latter to have a directional arrow or hand pointing to the actual exit door.

We have had some difficulty in other stores because it was the plan of providing one or more steps beneath the swing of an outward swinging door. This is not allowable, and if even one step is necessary, it should be outside the door and as far from the doorway as the width of the door.

Very truly yours,

Inspector of Buildings

WMCD/S

CONFERENCE WITH EDMUND I. LEEDS, ARCHITECT FOR FIRST NATIONAL STORES INC. AND WITH
Mr. TRACY WHO REPRESENTS THE COMPANY TO SUPPLY PRECAST CONCRETE SLABS FOR THE ROOF
IN CONNECTION WITH THE PROPOSED RETAIL STORE OF FIRST NATIONAL STORES, INC. AT
685-687 CONGRESS STREET

February 20, 1948

Mr. Leeds filed 9 sheets of blueprints and the computations for the steel beams proposed in first floor. The computations are filed with an inquiry at 685-687 Congress Street, and the plans are filed in the pending file. Mr. Leeds understands that we are to make no further examination of the plans and that our conference about them was more or less informal without a complete check of Building Code requirements. Bids are now to be taken and the successful bidder will file application for the construction permit together with a set of revised plans and the specifications.

With reference to the location plan (sheet 1) we discussed the proposed leasing of a certain part of the rear land from Percival P. Baxter on the part of First National Stores, Inc. and the relocation of two buildings on this land to be leased to other adjoining property owned by Mr. Baxter, and the land thus cleared to be used for parking space in connection with the proposed store. I misinformed Mr. Leeds as to the zone as this land to be used for parking space is in a Limited Business Zone instead of in an Apartment House Zone as I told him. I am to look up the question of the somewhat changed use of this land under the Zoning Ordinance and let Mr. Leeds know.

We discovered that there would be about 11,000 square feet of area within the walls of the proposed building, which, with only one street frontage for approach by the Fire Department, means that, if classified as Second Class Construction, the building would have to be sprinklered. They had not contemplated that, but do plan wooden stud partitions in first story, wooden strapping on the exterior walls and wooden hangers and strapping for the ceiling. Mr. Leeds practically concluded that they would sprinkler at least the first story.

If the cellar were not to be sprinklered, it developed that no less than 2-hour fire resistance would be required between the cellar and first story, that wooden built-in construction would not be permitted in the cellar, and that the pipe columns and the structural steel beams in first floor would have to be fireproofed with 2-hour fireproofing. The plans contemplate substantially 2-hour fire resistance around the cellar stairs and enclosure of the boiler room, and the first floor to be of structural steel beams with reinforced concrete slab. Thus if the steel were fireproofed with 2-hour fire resistance and Class B fire doors set in stairway enclosure in the cellar there would be a 2-hour fire resistive separation between the unsprinklered cellar (classified as First Class Construction) and the sprinklered first story which would be classified as Second Class Construction.

Mr. Leeds seemed to be of the opinion when he left that they would sprinkler also the basement, but would use the concrete slab in first story with the unprotected steel beams and pipe columns, and would retain the fire resistive enclosure around the stairway and around the heater room.

With relation to the concrete unit construction proposed in the roof, I told them that we would be satisfied to have the proposed precast sections used to be furnished by Mr. Tracy's company. Discussion ensued as to the thin slab part of the concrete units, and Mr. Tracy is to furnish a copy of the letter from Thompson & Lichtner Company of Boston as to the adequacy of this thin slab.

Where the reinforced joist part of the concrete units would be at right angles

Conference - First National Stores, Inc. ---- 2

February 21, 1948

to the walls (side walls), the plans show a steel beam against the wall with steel wall beams about 18' apart. Mr. Leeds said for anchorage of the wall, they would provide anchors from this beam against the wall to the wall at two points in each bay, that the joists of the concrete units would be anchored to this wall beam and the units would be anchored to each steel beam across the building parallel to this wall beam thus providing anchors for the side walls clear across the building. It appears that the front and rear masonry walls of the building would be anchored no farther than 8' apart by the longitudinal steel beams in the roof.

The plan showed a detail of fireproofing of the spandrel beam over the store front which left the outer edge of bottom flange of the steel beam without any 2-inch thickness of concrete protection required. Mr. Leeds is to have this adjusted.

Warren McDonald

P.S. I explained the need of a signed statement of design as called for by the Building Code on the plans to be filed for application for the permit.



APPLICATION FOR PERMIT

Class of Building or Type of Structure First Class

Portland, Maine, January 9, 1946

PERMIT ISSUED

00035

JAN 9 1946

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to ~~erect~~ ~~construct~~ ~~demolish~~ ~~in~~ ~~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 687 Congress Street Within Fire Limits? Yes Dist. No. 1B
Owner's name and address Henry Brock Telephone _____
Lessee's name and address Socony Vacuum Oil Co., 18 Main St., So. Port. Telephone _____
Contractor's name and address Ralph Romano, 322 Spring Street Telephone _____
Architect _____ Specifications _____ Plans no No. of sheets _____
Proposed use of building _____ No. families _____
Last use Service Station No. families _____
Material masonry No. stories 1 Heat _____ Style of roof _____ Roofing _____
Other buildings on same lot _____ Fee \$ 50
Estimated cost \$ _____

General Description of New Work

To demolish existing Service Station-1 story masonry building.

Do you agree to tightly and permanently close all sewers or drains connecting with public or private sewers from this building or structure to be demolished, under the supervision and to the approval of the Department of Public Works of the City of Portland? Yes

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.

Details of New Work

Is any plumbing work 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? _____ Size _____
Corner posts _____ Sills _____ Girt or ledger board? _____ Size _____ Max. on centers _____
Girders _____ Size _____ Columns under girders _____ Size _____
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? _____
Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed? _____

APPROVED:

INSPECTION COPY

Signature of owner

By:

Ralph Romano Jr.

Socony Vacuum Oil Co.

Permit No. 46/35

Location *1870*

Lessee *L. S. [illegible]*

Owner: Docoy, Vaccum

Date of permit 7/7/46

Notif. closing-in

Inspn. closing-in

Final Notif.

Final Inspec 1-15-24/16 FWT

NOTES



APPLICATION FOR PERMIT TO REPAIR BUILDING 72

second Class Building

FEB 6 1945

Portland, Maine, Feb. 6, 1945

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to repair the following described building in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location 67 Congress St. Within fire limits? yes Dist. No. 1B
Owner's name and address Socony-Vacuum 48 Main St. So Portland Telephone 3-5641
Contractor's name and address Owner Telephone _____
Use of building service Station
No. stories 1 Style of roof pitch Type of present roof covering _____

CERTIFICATE OF OCCUPANCY
APPROPRIATE IS WAIVED

General Description of New Work

repair after fire, no alterations, replacing ceiling.
(rubbish in boiler room)

If Roof Covering is to be Repaired or Renewed

Is any plumbing work involved in this work? no Is any electrical work involved in this work? yes
Are repairs or renewal due to damage by fire? yes If so, what area damaged? _____ sq. ft.
Area of roof to be repaired now? _____ sq. ft.
Type of roofing to be used _____ No. plies _____
Trade name and grade of roof covering, to be used _____
Estimated cost \$ 50 Fee \$ 50

Insps
ORIGINAL

Signature of owner Socony-Vacuum

J. H. White Contractor

Permit No. 45/72

Location 687 Congress St

Owner Socany-Vacuum Co Inc

Date of permit 2/6/45

Notif. closing-in

Inspn. closing-in

Final Notif.

Final Inspn 2-28-45

Cert. of Occupancy issued

NOTES

2-16-45 ~~Building~~ ~~Work~~
~~Replaced WRR~~
~~1st Floor~~ ~~1st Floor~~

2-28-45 ~~Building~~ ~~Work~~
~~to finish 1st Station~~
~~attendant 1st Station~~
~~work to going station~~
~~from 1st Floor~~

45/72



FILL IN COMPLETELY AND SIGN WITH INK

(C) GENERAL BUSINESS ZONE

PERMIT IS
006

Permit No.

JAN 2 1935

APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, January 2, 1935

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 687 Congress St. Use of Building Commercial
Name and address of owner Socony Vacuum Co., Main St., S. Portland, Me.
Contractor's name and address Easternoil Inc., 135 Marginal Way Telephone 3-6495

General Description of Work

To install One Model A Easternoil Automatic Oil Burner with 275 gal. tank.
+ hot water heat.
IF HEATER, POWER BOILER OR COOKING DEVICE

Is heater or source of heat to be in cellar? yes If not, which story _____ Kind of Fuel oil
Material of supports of heater or equipment (concrete floor or what kind) concrete
Minimum distance to wood or combustible material, from top of boiler or casing top of furnace, 5'
from top of smoke pipe 15" from front of heater no woodwork from sides or back of heater no woodwork
flue 8x12 no other connection

IF OIL BURNER

Name and type of burner Easternoil-gun type Labeled and approved by Underwriters' Laboratories? yes

Will operator be always in attendance? no Type of oil feed (gravity or pressure) pressure

Location oil storage outside under yard No. and capacity of tanks one 275 gal.

Will all tanks be more than seven feet from any flame? yes How many tanks fireproofed? _____

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

INSPECTION COPY

Signature of contractor

EASTEROIL INC.

By

Ward 6 Permit No. 36/2
 Location 687 Congress St.
 Owner Society Vacuum Co
 Date of permit 1/2/36
 Notif. closing-in NOT
 Inspn. closing-in NOT
 Final Notif. NOT
 Final Inspn. NOT

INSPECTION NOT COMPLETED

Cert. of Occupancy issued

NOTES

1. Kind of heat
2. Label
3. Anti-siphon
4. Oil storage
5. Tank distance
6. Vent type
7. Vent size

General Description of Work

COOKING GAS POWER EQUIPMENT

ON OUT WATER

Location of work

Inspection of this work

Inspection of this work

Inspection of this work

Inspection of this work

687 Congress St. - Socony Vacuum Oil Co. - 1/19/35
Service Station

Is wall at least 5 ft. from west property line? If not
forget wall and perhaps steel shed and wire
glass windows required.

Phone next door neighbor.

All tile walls of flat roof portion to have tile 8" net
thickness - stone not counted.
Rear wall of flat roof portion may be 8" thick if of
solid brick - no wall windows every 8 ft in 4 walls of
flat roof portion.

Both gable and walls of gable roof portion where tile
is used to have tile - 12" net thickness - stone
not counted.

East wall of gable roof portion to have 12" tile
or brick net thickness exclusive of stone or
have rafters framed so as to get bearing on
column beams in such a way as to transfer
only downward load on walls.

Shims to extend 3 ft above ridge of roof.

What material of foundation? Wall or pier?

No foundation plan.

Reinforcement of floor slab.

Shading of windows.

Statement of frequency of change of air in
pit cellar.

3x10 on 24' span 16" b.c.

24 x 1.33 x 55 = 1760

3x10 on 24' span if dressed D.F. = X

1760 x 24 x 3.14 = 1326.0

126.72 ft

6336.0 = 42.24 reg s. 3 of 3x10 dressed = 39.45

1500

3

1760	3.2
36	4.5
10560	16.0
528	1.60
6336.0	176.0

What kind of lumber dressed or not?

Handwritten:
Cable Mr. H. A.
Shirley 200 ft.
Rac. Mt. 3946 ft.

JOHN H. SIMONDS COMPANY
GENERAL CONTRACTORS
216 FEDERAL STREET
PORTLAND, - MAINE

December 12, 1935

City of Portland, Maine,
Department of Building Inspector.

Gentlemen:- Attention: Warren McDonald, Inspector of Buildings

RE: Socony Service Station P1595
Portland, Maine.

Reference is made to your letter of December 10, regarding certain corrections in the plans for the above named building, which you desire to have made before the permit is issued.

Par. 1 The west wall of the building will be over 5' from the west property line.

Par. 2 The net thickness of the tile for the wall will be the full required thickness of the walls, with no allowances made for Stucco or plaster.

Par. 3. We attach hereto, a sketch showing the proposed framing of the rafters in the flat portion of the roof, to the wall. The gable end walls of the pitched roof portions will have a thickness of 12". The East wall of the pitched roof portion will remain 8" as shown on the plans, as we will frame the ceiling joists of the collar beams in such a way that no outward pressure will be exerted on the wall.

Par. 4. The chimney will extend at least 3' above the ridge of the roof.

Par. 5. The foundation walls and piers will be made of concrete mixed in proportions of 1-2-4. We hand you herewith, a plan showing details of the construction of the lubricatorium floor, which we believe, will answer the other questions contained in this paragraph.

Par. 6. We have written to the Socony Vacuum Oil Company, Inc., asking them to furnish a statement from the designer, showing the size of the fan to be used to exhaust the fumes from the pit cellar and the frequencies of air change in this cellar, as per copy attached hereto.

Par. 7. The lumber to be used in the roof joists will be full size structural grade Douglas fir.

Trusting that this answers all the questions raised in the above mentioned letter, we are

Very truly yours,

S. J. COO

December 12, 1935

Sococon Vacuum Oil Company,
331 St. James Avenue,
Boston, Mass.

RE: Sococon Service Station P1595
Portland, Maine.

Gentlemen:- Attention: E. McN. Searle

Reference is made to our contract for the construction of the above
named service station and special reference to the request of the
Building Inspector under date of December 10, for a statement of
design to be signed by your engineer.

Will you kindly furnish us, at once, in duplicate, a statement of
design in the following form:

"these plans entitled Stocco or Title, Flat Roof, 2-car pit Lubritr-
ium, dated December 2, 1935, covering the erection of a service stat-
ion building at 687 Congress Street, Portland, Maine have been exam-
ined and drawn up by the Undersigned, according to the latest rules of
Engineering practice and to comply with the allowable work, stresses
floor loads, etc., required by the building code of the City of Port-
land."

You will also furnish, in duplicate, a statement from the designer,
showing the size of fan to be used to exhaust the fumes from the pit
cellar and the frequencies of the change of air in this cellar.

Your immediate attention to this matter is earnestly requested, as the
permit for the construction of this building can not be issued by the
Building Inspector until these statements of design have been received.

Very truly yours,

JOHN H. SIMMONS CO.,

By _____
Engineer

SIB/CGD
cc Warren McDonald, Building Inspector