F. S. Payne Co.
ELEVATORS
RICHDALE AVENUE, CAMBRIDGE 40, MASSACHUSETTS

August 19, 1948

Warren McDonald, Building Inspector
City Hall
Portland, Maine

Reference: First National Stores
Portland, Maine
Our Order No. S92155

Dear Sir:

We have a contract to furnish and install one electric freight elevator for the above job. For your information we are enclosing two prints of our layout K-11416 showing the general arrangement which we propose to follow when making this installation.

We are also enclosing an application for a permit which we trust you will find in order. However, we do not happen to know what the Ward or District numbers so assume that you will be kind enough to add this information to the application.

If you desire additional applications will you be good enough to send us the necessary forms as the one which we enclose is the only one we have in our files. If you would also advise us the amount of the fee we will forward you a check to cover same.

Very truly yours,

F. S. PAYNE CO.

By: E. G. Malmquist

E. G. Malmquist
Construction Engineer

EGM/m
Encl.

STATEMENT OF ELEVATOR TESTS

PORTLAND, MAINE, Mar 3 1949

I, Irving M Stanley

as an employee of I F H. Parker Co, have personally supervised the installation of alterations to the elevator~~s~~, hatchways and enclosures at First National ~~Stores~~ Bakery as permitted under Building Permit 01584, and have personally supervised tests of loading capacity and of all brakes, interlocking and all other safety devices, and I do here state that, according to my best knowledge and belief, the elevator~~s~~ will safely carry the maximum rated loading and all brakes, interlocking and other safety devices are in satisfactory condition.

Nashua,
Hillsboro Co.
State of New Hampshire

Irving M Stanley
(Signature)

PORTLAND, MAINE, Mar 3 1949

STATE OF MAINE

CUMBERLAND, SS:

Personally appeared the above named Irving M. Stanley and made oath the statements by him subscribed are true.

Mary E. Mason
Notary Public Justice of the Peace

INSPECTION COPY

PERMIT ISSUED
No. 01583
SEP 3 1948

APPLICATION FOR ELEVATOR PERMIT

CITY of PORTLAND

Portland, Maine, Aug. 26, 1948

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to install alter one *elevator* ____ *in accordance with the Laws of the State of Maine, the Building Code of the City of Portland, plans and specifications submitted herewith, and the following specifications:*

Location Read Street Ward ____ Within Fire Limits? ____ Dist. No. ____

Owner's name and address First National Stores, Inc., Portland, Maine

Elevator contractor's name and address F. S. Payne Co. Richdale Ave Cambr. Telephone Tr6-3840

Last use of building New building No. families ---

Proposed use of building Bakery No. families ---

Material of outside walls of building Concrete & brick, interior frame Concrete

No. of stories 3 Style of roof Flat No. of existing elevators in building None

Remarks

Details of Proposed Work

Extent of work by elevator contractor Furnish & install new elevator layout K11411

Extent of work by owner Build shaftway

Type of elevator Freight, in new or existing shaftway New

Shaftway enclosed or open Enclosed No. elevator stops 3

Capacity of elevator 10,000 lbs., Speed in feet per minute 75

Material of cables Steel No. and size of hoisting cables Six 5/8"

Location of machinery Overhead Material of supports Concrete, of guides Steel

Minimum diameter of sheaves 28" Minimum clearance counterweights and overhead beams 7'5"

Minimum clearance above car at topmost floor level 6-6"

Minimum clearance buffer plates and springs when car is at lowest floor level 14"

Type of power Electric Type of machine Traction

Will elevator be equipped with the following safety devices:—governor? Yes, car safety? Yes, electric brakes? ____, automatic terminal stops at top and bottom? Yes, slack cable stops? No, safety floor stops? No

If Passenger Elevator

Passenger capacity? --- Area of platform --- Material of enclosure ---

No. of entrances --- Type of gates ---, interlocked? ---, automatic closing device? ---

Will elevator be automatic or will operator be in attendance? ---

Will doors in shaftway enclosure be interlocked? ---

Permit Issued with Letter

If Freight Elevator

Area of platform 122.4 sq. ft. No. of sides enclosed Two Height of enclosure 9'11"

Will shaftway be enclosed? Yes Self-closing hatch gates? No gates, height? ---

No. outside entrances to shaftway? One Self-closing slatted gates? No, height? ---

Miscellaneous

Plans filed as part of this application? Yes No. of sheets 1

Estimated cost of work by elevator contractor? $23,520 Fee $2.00

Signature of elevator contractor F. S. PAYNE CO. By: [signature]

EINAR GUSTAF HALMQUIST REGISTERED PROFESSIONAL ENGINEER 317

STATEMENT OF ELEVATOR TESTS

Permit Issued with Letter

PORTLAND, MAINE, ____

I, ____

as an employee of ____, have personally supervised the installation of alterations to the elevator ____, hatchways and enclosures at ____ as permitted under Building Permit ____, and have personally supervised tests of loading capacity and of all brakes, interlocking and all other safety devices, and I do here state that, according to my best knowledge and belief, the elevator ____ will safely carry the maximum rated loading and all brakes, interlocking and other safety devices are in satisfactory condition.

____ (Signature)

PORTLAND, MAINE, ____

STATE OF MAINE

CUMBERLAND, SS:

Personally appeared the above named ____ and made oath the statements by him scribed are true.

____ Notary Public Justice of the Peace

ESPONDENT'S COPY

Ward Permit No. 48/ 1584 P

Location 315 Read St.

Owner First National Stores

Date of permit 9/ 3 /48

Elev. Cont.

Statement of tests rec'd:

Final Notif. 3/2/49.

Final Inspn. 3/3/49. ok.

Certificate issued

NOTES

...ent over this
...ation with Mr
...ley Z. Payne Co.
...statement of tests will
be sent by Mr Stanley.
✓ 18 op. Hamington Mach
hoist flow (sect 703a) O.K.
Pilkington Co,
car. O.K.
✓ Plate with size, 4
on machine in machine
house. O.K.
✓ Gen Declaration of ...
upper mall 1st floor
or ... on walls. This
tech. should be entered
Bldg. Code. Sect. 702 b 8.7

APPLICATION FOR AMENDMENT TO PERMIT

Amendment No. 1

Portland, Maine, August 12, 1948

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for an amendment to Permit No. 48/1184 *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 215-239 Read Street Within Fire Limits? No Dist. No.

Owner's name and address First National Stores, Inc. 5 Middlesex Avenue, Somerville, Mass. Telephone

Lessee's name and address Telephone

Contractor's name and address Thomas O'Connor & Co., Inc., 258 Main Street Cambridge, Mass Telephone

Architect Ganteaume & McMullen, 39 Chauncy St., Boston, Mass. Plans filed No. of sheets

Proposed use of building Warehouse, office, bakery, garage No. families

Increased cost of work Additional fee .25

Description of Proposed Work

To construct banana room and other refrigerated rooms in the warehouse and to make all changes in office building portion, the latter being mainly the elimination of sky lights as indicated on revised plans filed in Building Inspector's office July 20, 1948.

1/10/49 - This amendment not issued due to late date of which plans were finally checked. A.J.

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

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:

First National Stores, Inc.
Thomas O'Connor & Co., Inc.

Signature of Owner By: [signature]

Approved:
Inspector of Buildings.

INSPECTION COPY

FILL IN AND SIGN WITH INK

PERMIT ISSUED
021156
NOV 18 1948
CITY of PORTLAND

Permit No. B 48/2457

APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, July 23, 1948

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 215-239 Read Street Use of Building Warehouse, bakery etc. No. Stories 1-3 New Building ~~Existing~~ "

Name and address of owner of appliance First National Stores, Inc.

Installer's name and address Cleghorn Company, 121 Arlington St. Boston, Mass Telephone

General Description of Work

To install steam heating system (3 boilers)

INSPECTION NOT COMPLETED
4/13/57

IF HEATER, OR POWER BOILER

Location of appliance or source of heat First floor boiler room Type of floor beneath appliance concrete

If wood, how protected? Kind of fuel ~~coal~~ oil

Minimum distance to wood or combustible material, from top of appliance or casing top of furnace concrete

From top of smoke pipe concrete From front of appliance concrete From sides or back of appliance concrete

Size of chimney flue 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

[illegible]n of appliance Kind of fuel Type of floor beneath appliance

[illegible]w protected?

[illegible]tance to wood or combustible material from top of appliance

[illegible] appliance From sides and back From top of smokepipe

[illegible] flue Other connections to same flue

[illegible]rovided? If so, how vented?

[illegible] vented? Rated maximum demand per hour

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

Amount of fee enc[illegible] building at same ti[illegible]3.00 ($1.00 for one heater, etc., 50 cents additional for each additional heater, etc., in same

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

Cleghorn Company

INSPECTION COPY

Signature of Installer by: Alexander W. Trosipe

Location 215-239 Broad St.

Owner Christ Nat. Stores, Inc.

Date of permit 11/ 18 /45

Approved

NOTES

INSPECTION NOT COMPLETED

FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

PERMIT ISSUED
01303
JUL 27 1948
CITY of PORTLAND

Portland, Maine, July 20, 1948

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 215-239 Read Street Use of Building Warehouse, bakery etc No. Stories ____ New Building / Existing "

Name and address of owner of appliance First National Stores Inc.

Installer's name and address F. S. Larkin, 265 Summer St. Boston, Mass. Telephone ____

General Description of Work

To install 2 electric hot water heaters

INSPECTED & SUPPLIED
8/16/51

IF HEATER, OR POWER BOILER

Location of appliance or source of heat First Floor Type of floor beneath appliance concrete

If wood, how protected? ____ Kind of fuel ____

Minimum distance to wood or combustible material, from top of appliance or casing top of furnace 10'

From top of smoke pipe ____ From front of appliance over 4' From sides or back of appliance over 3'

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 ____ 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 Memo

Amount of fee enclosed? 1.50 ($1.00 for one heater, etc., 50 cents additional for each additional heater, etc., in same building at same time.)

APPROVED:
7/26/48

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

Signature of Installer Leroy W. Hasey Jr., foreman

Permit No. 48/1303

Location 215-239 Read St.

Owner F. L. Larkin First Nat'l Stores Inc.

Date of permit 7/27/48

Approved

NOTES

INSPECTION NOT COMPLETED

BP 42/1184-I
(215-239 Road Street)

August 7, 1943

Gantcauss & McMullen
99 Chauncy Street
Boston 11, Mass.

Subject: Proposed arrangement where vent from doughnut machine in bakery passes through space over meat room in warehouse in connection with the First National Job at 215-239 Road Street

Gentlemen:

The detail of this fire protected space on your plan dated July 9, 1943 meets needs as far as fire protection is concerned, but I am somewhat puzzled as to what is to support that portion of the plaster partitions and the 2-inch solid plaster protection above the sheathing of meat room ceiling, not having found any indication of hangers or horizontal structural members to support that part.

To merely stretch one lath between 4-inch channel [illegible] roof and wooden construction of ceiling, then building the solid plaster directly against the woodwork of the ceiling seems to promise inevitable cracks due to shrinkage and swelling of the wood. Perhaps this is taken care of in some manner by the 3/4-inch channel studs which are indicated on the plan detail of partitions.

Please refer to another letter of this date with relation to framing of meat room ceiling and other changes not covered by general construction permit.

It is my recollection that the doughnut machine is to be fired only by gas. If oil firing is contemplated, even for alternate use, the vent pipe proposed would not comply with the requirements of the Code.

Very truly yours,

Inspector of Buildings

WMcD/S

CC: Thomas O'Connor & Co., Inc.
238 Main Street
Cambridge, Mass.

First National Stores, Inc.
Attn: Mr. John Dexter, [illegible] Middlesex Ave., Somerville, Mass.

Memorandum from Department of Building Inspection, Portland, Maine

215-239 Read Street—2 electric hot water heaters for First National Stores, Inc.
by F. S. Larkin, installer—7/27/48

Application for the permit does not give the location of these hot water heaters other than that they are on the first floor of this extensive establishment. The permit is being sent with a copy of this memorandum to Leroy W. Hasey, Jr. out at the job.

Will he be kind enough to notify us over the phone the particular location of the hot water heaters as in the warehouse, bakery or where? Toilets B + C via chowder Plan 2078 A Sh 602

The application states that clearance to combustible material from the heaters will be 10' overhead, 4' from the front and 3' from the sides or back, these being minimum clearances. There is to be very little woodwork in this entire stand of buildings, and I suppose in reality that there will be no combustible material anywhere around these heaters. Main exception to this proposition will be in the banana rooms, but I presume the hot water heaters are not to be installed there.

WMcD/3

Original to Mr. Leroy W. Hasey, Jr. with the permit
c/o Thomas O'Connor & Co., Inc.
215-239 Read Street

CC: F. S. Larkin, 263 Summer St., Boston, Mass.
Gantenbein & McMullen, 99 Chauncy St.
Boston, Mass.

(Signed) Warren McDonald
Inspector of Buildings

H. D. A. GANTEAUME
E. W. McMULLEN
L 2078
A. B. RICH

GANTEAUME & McMULLEN
ENGINEERS – ARCHITECTS
99 CHAUNCY STREET
BOSTON 11
TELEPHONE HANCOCK 8870

INDUSTRIAL BUILDINGS
COMMERCIAL BUILDINGS
INVESTIGATIONS
VALUATIONS
REPORTS

July 19, 1948

RECEIVED
JUL 20 1948
DEPT. OF BLD'G. INSP.
CITY OF PORTLAND

Department of Building Inspection
Portland, Maine

Gentlemen: Mr. Warren McDonald

We have been advised by the Joe Lowe Corporation that the stack temperatures from the doughnut machine in the First National Stores Portland Bakery will be as follows:

Fat fumes exhaust stack . . . 160 deg. to 180 deg.

Combustion stack . . . . . 475 deg. to 550 deg.

They further state that means are provided in the ventilating system to draw in outside air which cools the products of combustion before they enter the ventilating blower, thus air can be brought in in this way, which keeps the stack temperature down to 500 deg.

Yours very truly

E. W. McMullen

EWM/M

DANIEL G. O'CONNOR
PRESIDENT
AUSTIN J O'CONNOR
VICE PRES & SEC'Y
THOMAS D O'CONNOR
TREASURER
THOMAS H O'CONNOR B S
ENGINEER

THOMAS O'CONNOR & CO., INC.

BUILDERS & STRUCTURAL ENGINEERS

READ STREET
PORTLAND, MAINE
TELEPHONE 2-3719

MAIN OFFICE
238 MAIN STREET
CAMBRIDGE, MASS.

RECEIVED OF THOMAS O'CONNOR & CO., INC. THE FOLLOWING DRAWINGS ~~IN~~

~~DUPLICATE RE:~~

FIRST NATIONAL STORES INC., NEW WAREHOUSE, READ STREET, PORTLAND, MAINE.

1 SETS OF

DRAWINGS AS FOLLOWS:

2078 A	# 3	Rev.	# 7	7-9-48
"	16	Redrawn		
"	106	Rev.	4	7-9-48
"	107	"	4	7-9-48
"	110	"	5	7-9-48
2078 B	4	"	3	7-9-48
"	5	"	2	7-9-48
"	6	"	2	7-9-48
"	12	"	8	7-9-48
"	14	"	3	7-9-48
"	101	"	3	7-9-48
"	102	"	2	7-9-48
"	103	"	2	7-9-48
"	104	"	2	7-9-48
"	105	"	3	7-9-48
2078 C	31	"	8	7-8-48

Kept only one set.

12/30/48 - These are in regular roll of plans, but superseded plans have not been withdrawn from roll - A.J.S

BP AE/1184-I
(215-239 Read Street-)

January 7, 1949

Gantenbrno & McFarlen
99 Chauncy Street
Boston 11, Massachusetts

Subject: Check of revised plans of warehouse, bakery, office building etc. for First National Stores, Inc. at 215-239 Read Street

Gentlemen:

In checking the revised plans of this job, which have been received from time to time, against the items in our letter of July 3, 1946, which was sent with the general construction permit when issued, we find that not all of the details mentioned therein have been shown on these revised plans. Some of these matters have been taken up by Mr. Hamilton of this office directly with Mr. Norman, the superintendent on the job, who assures us that it is his understanding the following items either have been or will be taken care of as outlined in the above mentioned letter:

a. There is to be no step down at any of the out swinging entrance or exit doors in any part of the building, this matter being referred to in paragraph 6 of our letter.

b. The metal covering is to be provided on both sides and the edges of the doors to the banana and refrigerator rooms in the manner outlined in paragraphs 19 and 31.

c. All wooden fascias and wooden plates which otherwise would be exposed have been or will be covered with metal. See paragraphs 20 and 30.

d. The required 4-hour cut-off between office building and bakery is to be maintained by providing single Class A fire doors in each of the openings into the small hallway adjoining the bakery entrance, as noted in paragraph 23 (2).

e. Large orifice open sprinklers are to be provided over the doors from the train shed to the warehouse, and the banana and refrigerator rooms themselves and the space over the fermentation room in the third story of the bakery are to be protected by the sprinkler system, those matters being covered in paragraphs 18, 21 and 23 (3). This information clears up the questions concerning the sprinkler system which we raised in our letter of January 3, 1949 to you.

f. Access doors constructed and equipped as outlined in paragraph 28 are to be provided for the space above the fermentation room.

g. Handrails are to be provided on both sides of the inside steps at the main entrance to the warehouse on the easterly side of the building, as noted in paragraph 8.

Aside from those matters following is a list of details mentioned in our July 13 letter which have not been taken care of on the revised plans, probably because of the impracticability of indicating them thereon. These are being enumerated so that none of them may be overlooked as the work progresses.

h. Types of locks and door closers are to be provided on certain doors throughout the building as outlined in paragraphs 3, 7, 9, 10 and 15.

i. The steel shutters on the openings between the garage and the warehouse are to be made automatic closing as noted in paragraph 4.

j. Exit signs and lights, directional and otherwise are to be provided as specified in paragraph 5.

k. Class A labelled fire doors are to be provided on the openings 20 and 21 in the north wall of warehouse as noted in paragraph 22.

l. Floor load signs indicating a designed live load of 250 pounds per square foot are to be posted in the third floor storage area of the bakery as covered in paragraph 36.

Therefore the revised plans which have been filed, together with action to be taken as indicated for the details listed above, should clear up all questions that may have not been clearly settled at the time of issuance of the permit.

Very truly yours,

AJS/G

Inspector of Buildings

CC: Thomas O'Connor & Company (CC for the job)
238 Main Street
Cambridge, Massachusetts

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

Permit 48/1154

List of Items to Check at First National Stores Job on Read Street

Went over these matters with Mr. Hemmingway, see attached report ccb.

√ 1. No step-down at outswinging doors. Following doors involved:

Door #1. Main entrance door to office section.
Door #36. Exit door from locker room and cafeteria section of warehouse next to rear wall of bakery.
Door #37. Main entrance door to locker room and cafeteria section of warehouse
Door #100. Exit door from warehouse into train shed at extreme northern end of warehouse.
Door #17. Exit door from northern end of train shed to outside platform and steps.
Door #101. Entrance door in easterly end of bakery.
Door #102. Exit door from enclosed platform at westerly end of bakery next to pan washing room.
Door #202. Exit door from cafeteria dining room in second story at head of stairs leading to door #36.
See Paragraph 6 of Building Inspector's letter of 7/13/48.

√ 2. Are refrigerator and banana room doors to be covered with metal on inside and outside faces with covering to be turned around edges of doors, but not carried through the full thickness of doors? See Paragraph 19 and 31 of same letter.

√ 3. Is all exposed woodwork to be used for plates, nailers and fascias in the main walls of warehouse and bakery to be metal covered? Also how about covering of woodwork of saw tooth skylights? See Paragraph 20 and 30 of same letter.

√ 4. Is the door leading from easterly end of office section to main entrance to bakery section to be Class A fire door? This door is un-numbered so unable to find in schedule. This door with Class A door in opening #112 at outer end small hall are to act as double fire doors in a 4-hour separation. See Paragraph 23, section (2) of same letter.

√ 5. Are large orifice open sprinklers to be provided over doors from train shed to warehouse? See Paragraph 23, section (3) of same letter. Are sprinklers to be provided in banana and refrigerator rooms in warehouse? See Paragraphs 18 and 21 of same letter.

6. Is space over fermentation room in third story of bakery to be sprinklered? See Paragraph 28 of same letter.

√ 7. What kind of doors are to be provided for access to space over fermentation room? See Paragraph 28 of same letter.

8. Are handrails to be provided on both sides of inside steps at main entrance to warehouse on easterly side of building? See Paragraph 8 of same letter.

BP 10/118/-I
(215-239 Read Street)

August 7, 1948

Thomas O'Connor & Co., Inc. (CC for the Job)
232 Main Street
Cambridge, Mass.
Gantenbein & McKuklen
99 Chauncy Street
Boston 11, Mass.

Subject: Certain features of First National Job at 215-239 Read Street not included in general construction permit

Gentlemen:

From the job the contractor filed 16 blueprints on July 20, representing changes on that many sheets of the original plans.

While no thorough examination of these changes has been made, it is noted that sheet 16 covers changes in the framing over banana rooms. Another sheet covers changes in the office building including elimination of the skylights.

If the contractor will turn to combined paragraphs 19 and 31 and paragraphs titled SPECIAL NOTE of my letter of July 13, issued with general construction permit, it will appear that the construction of ceilings and partitions of banana rooms, meat room, wet produce and dry produce rooms and butter and cheese rooms as well as the substantial changes in the office portion were excluded from the general construction permit. When the revised plans of these details were ready, the contractor was to file application for amendment to the general construction permit enumerating the changes contemplated in the revised plans. This has not been done.

Please file this application for amendment enumerating the proposed construction of the refrigerated rooms and the substantial changes in office building partition. Any other substantial changes which may be included in the 16 sheets which have not been noted in our correspondence may be included.

In this connection a hurried examination of the revised sheets shows that the proposed arrangements of banana rooms have been shown on sheet 16, but details of the other refrigerated rooms have not been found. Details of these other refrigerated rooms, including more information as to the meat track supports seems necessary. We would like to cover this all in a single amendment.

Very truly yours,

Inspector of Buildings

WMCD/9

CC: To contractor for the job
First National Stores, Inc.
Attn: Mr. John Dexter, 2 Middlesex Ave., Somerville, Mass.

AP 215-239 Read Street-I
(First National Stores
Warehouse, etc.)

July 13, 1948

Thomas O'Connor & Company, Inc. (CO for the job)
236 Main Street,
Cambridge, Massachusetts

Gantcamo & McMullen
99 Chauncy Street
Boston 11, Massachusetts

Subject: Building permit for superstructure of warehouse, garage, office and bakery for First National Stores, Inc. at 215-239 Read Street in Portland

Gentlemen:

Building permit for the superstructure of the above project is issued herewith to the contractor, subject to the following, numbers of paragraphs being references to similarly numbered paragraphs of my letters of April 12 and May 18, 1948. These items will represent considerable duplication of Mr. McMullen's memorandum of June 24, but it seems best to collect these stipulations together, eliminating all but the essentials, for the benefit of our inspector on the job and perhaps for the contractor superintendent as well. Wherever paragraph numbers appearing in my two letters are omitted, the subject matter of the paragraphs have been cared for in some manner which will not affect the consummation of the job.

Neuberg provided
Hardware
Location
CO to
Fischer
Indicate
Hardware
Called
Warn-
about
Lowell
O.K.

3. A new door no less than 3' wide nor 6' 4" high to be provided in northeast corner of women's toilet and locker rooms in first story of bakery, door to be equipped with liquid door closer and to have merely a latch set with no knob or other device for opening on the outside—this for emergency means of egress from the toilet and locker rooms. Door 133 between men's locker and toilet room, first floor of bakery, is to serve as emergency means of egress from the locker room, is to be made a Class C labelled door, equipped with liquid door closer and a type of latch set that can always be opened without a key or special knowledge from the locker room side. Both of these emergency doors are to have standard exit signs over them.

4. All of the rolling steel shutters between the garage and the warehouse are to be automatic shutters, and since the doors will thus be in the open position normally, there will be ample emergency means of egress from that side of the garage to the warehouse.

5. Standard exit signs, directional or otherwise, (6-inch letters showing red and illuminated by general illumination or special lights if necessary) are to be provided to indicate all means of egress not ordinarily and habitually used for entrance, except in cafeteria where the two doors are to be marked by standard exit lights (interior illumination in letters no less than 4½" high). All exit signs are to be so placed and numerous enough as to indicate unerringly to all persons whom the means of egress is designed to serve, the direction to take to reach a place of safety. In particular, door 17 in train shed and doors 2, 41 and 100 in the warehouse are to have directional exit signs high enough so that the signs will not be obscured by stored goods or otherwise; in the bakery doors from each floor to both stairways are to be clearly indicated by exit signs and directional signs are to be used to indicate doors 107 and 103 in the first story and 102 at storage platform. All locker and other rooms where more than 20 persons are likely to be at one time require similar exit signs over the emergency exit door. White lights in both cafeteria stairways are to be on the same circuit and controlled by the same switch as the cafeteria exit lights.

6. All steps beneath outward swinging doors are to be eliminated and there is to be no step-down, other than the depth of the usual threshold, closer to the doorway than

the width of the door—specifically doors number 1 (entrance to office portion), 36, 37 and 100 in warehouse, 17 in train shed, 101 and 102 in bakery, 202 in cafeteria—and there may be others. — Not clear on tracing

7. Doors 124, 126, 130, 129, 133, 134, 135 and the new emergency door in the men's and women's locker rooms in bakery are to be made 3' wide instead of 2 foot 8" as on plans (a few more doors than in Mr. McMullen's memo) and similarly doors 42, 44, 45 and 49 at the warehouse locker room. Entrance and exit doors from all of these locker rooms are to be made to swing outward and doors from main buildings as well as inner vestibule doors are to be equipped with liquid door closers. — Remind about closers

8. Handrails are to be provided on both sides of the steps at entrance to warehouse but no center handrail will be necessary since the steps are to be made no more than 84" wide. — Handrails not shown on tracing

9. Egress doors serving more than 20 persons are to be equipped with vestibule locksets. Where such doors are double and each one of the pair is 3' or more wide, only the active leaf need be equipped with a vestibule lockset. Where such double doors have leaves less than 3' wide, the active door is to be equipped with a vestibule lockset and the standing door with anti-panic bolts having bar across the door. All doors leading to or from stairways in the bakery are to have liquid door closers. — Not indicated

10. All doors leading to service shaftways for pipes and wires are to be Class C or better (labelled) fire doors equipped with self-closing devices and set in structural metal or hollow metal frames, not metal-clad wood frames. — Not clear about self-closing devices.

11. A window no less than 2' wide and no less than 3' high is to be provided in exterior wall of third story of bakery so located as to give quick access to major part of storage area in third story and so arranged that access to the storage area by firemen may be gained easily from the outside. — O.K.

14. Doors R3 and R4 to elevator machinery room are to be Class B or better fire doors (labelled). Since the waiter from warehouse entrance to kitchen is to pass through only one floor and the building is to be completely sprinklered no particular fire protection of the opening in second floor is required—therefore the interlocked, counter-balanced fire doors proposed more than meet the requirements. — O.K.

15. The salvage room on first floor of bakery is classified as a hazardous room because of the storage there of loose paper and other combustible materials. Therefore doors 137 and 138 leading to this room will be Class C or better labelled fire doors made self-closing by liquid door closers or automatic closing by standard hardware and set in structural metal or hollow metal frames. — O.K.

16. It is understood that no welding, spraying finishes or operations requiring fire actuated appliances will take place or be in the garage, and therefore no separate fire resistive rooms are required. — O.K.

17. Your proposal for inflammable liquids and grease trap and drainage gutter along west side of the garage has been approved by the Chief of the Fire Department. O.K.

18. & 21. All parts of the building are to be equipped with automatic sprinkler system with heads in all spaces, concealed or otherwise, where the installation and maintenance of the heads is practicable except over electrical equipment and in any rooms such as the transformer room and switchboard room where water from the sprinkler system would increase the hazard.

19. & 31. Since re-design of the supports of the banana room hanger beams is intended and because of numerous questions as to the use of wood in ceilings and hanger construction for banana rooms, meat room, wet produce and dry produce rooms, and butter and cheese room, construction of the partitions and ceilings of these rooms and the hangers and supports for the various tracks are excluded from the permit now issued, awaiting revised plans of these layouts with the expectation that the revised plans will show/clearly by additional cross sections precisely what is intended.

When these revised plans have been worked out the contractor should file them with application for amendment to the permit now issued.

In the sprinklered metal frame construction in which the warehouse is classified the Code allows interior partitions and ceilings, exclusive of hangers, to have combustible frame if covered and encased in metal or equivalent in such manner as to practically exclude air from the combustible frame. Therefore for all of these rooms, except for the doorways, a metal-clad box is envisioned with both sides of partitions covered with metal insulation called Aluminseal, with the underside of the ceiling covered with the same material and the upperside of the ceiling framing covered with some type of metal. I understood Mr. McMullen to say that the insulating metal would be carried around the corner of door jambs and heads but could not be carried clear through the opening to join inner or outer sides because that would spoil the temperature and moisture control. Likewise the refrigerator doors could be covered inside and outside with metal and this metal could be turned in around the edges but not carried through the thickness of the door for the same reason. This is acceptable.

Apparently it is the intention to have metal grilles between the top of these insulated "boxes" and the underside of the roof steel with access doors in the grilles, if serving no other purpose, to allow maintenance of the sprinkler heads in those spaces. Having accomplished your purpose of insulating these rooms at partitions and ceilings, it is not apparent why there need be any woodwork at all above the ceilings of these rooms rather than using the wooden stops, plates etc. indicated on the plans to support these metal grilles.

I take it that no woodwork at all is to be used in connection with the supports and hangers of meat and banana tracks where these tracks are in the open warehouse or in the train shed. Due to the peculiar conditions of varying degree through which these rooms must be cut, I understand that it is necessary to have the woodwork to support the tracks and to have the solid 2" plank ceiling over the goods hung on the tracks. The only way all this woodwork can be accepted under the Building Code in this type of construction is to consider it as "equipment". That is a broad assumption, but in view of the fact that there will be sprinkler heads above and below this woodwork and it will be furthermore enclosed in metal-clad partitions and ceilings, that assumption will be made, relying upon the engineers, however, to use woodwork only where it is absolutely necessary for the conduct of the plant in efficient fashion. — OK

20, & 6. All wooden facias and wooden plates otherwise exposed are to be covered with metal.

22. The north wall of the warehouse is to be extended as a 1-hour fire resistive wall to a point at least 4" beyond the frame wall and cornice of the existing building. The swinging fire doors in openings 20 and 21 are to be furnished as Class A doors without wire glass panel. — No. Class B

23. (a) Double Class A fire doors are to be provided in openings 107 and 110 between bakery and enclosed platform. In this connection and with reference to Mr. McMullen's letter of July 1 in line with our conference a fire door in opening 108 and at 142 are deemed to meet the requirements of double fire doors, but the door in opening 108 is to be a Class A fire door without wire glass panel instead of the Class B door shown on the schedule, because fire penetrating that door would expose the bakery stairway. — OK

Double Class A fire doors are to be used at opening 111 between bakery and warehouse

instead of the arrangement shown on the schedule which is not clear. ? OK

23. (2) Double Class A fire doors will be used between the bakery and the office portion either by providing the double Class A doors at opening 112, or by extending the masonry wall of the office building through to the bakery wall between janitor's closet and supply closet and equipping the doorway in this extended wall with a Class A fire door, and a single Class A door at opening 112. — Not clear which closet near dressing partition

23. (3) In lieu of double Class A fire doors at all of the doorways between train shed and warehouse, banana room and meat room, a system of large orifice open sprinklers is to be provided on the train shed side over all of these doorways with liberal coverage on each side of each door jamb, the system to be manually controlled with the valve or valves in a quickly accessible and clearly indicated spot. If it seems desirable to have more than one branch, therefore more than one valve, all valves should be at the same location and each clearly marked so that the right one will be turned on quickly and unerringly in time of emergency. The valves should be quick acting. ?

26. & 44. The stacks or vents from the firing chambers of the ovens are to be no less than 3/16" steel or iron from the face of the 4" tile wall on inside of exterior wall insulation space to the top of the stack to satisfy Section 304-c-2 of the Code. No lining is required because letter of June 16 from Baker Perkins, Inc. indicates that in no case will the flue gas temperatures exceed 750 degrees Fahrenheit. ? OK

28. On the basis that both below and above the ceiling of the fermentation room on third floor of bakery are to be sprinklered, the wooden frame ceiling with underside carrying metal insulation will be allowed as necessary "equipment" to carry out the purposes of the room, but access door openings or any grilles necessary for ventilation of this space over the ceiling are to be equipped with metal-clad fire doors no less effective than the standard fire resistant doors described in Section 303-c-4 of the Code, not in structural metal or hollow metal frame if installed in the partition. No objection to making these access doors of wood if the opening is protected on the inside by guillotine type automatic fire doors. Please furnish details of these openings and the doors. If swinging fire doors are to be used in the wall, and there is any possibility of the doors being left open for ventilation or otherwise, the doors are to be made automatic closing with fusible element specially exposed to the space over the ceiling. ?

29. Underside of wood roof sheathing of bakery is to be covered with metal where it would otherwise be exposed to the wide air space between exterior walls and the inside tile insulation wall. — OK

32. Warehouse doors 1, 3 to 7 inclusive, (52 to 60) inclusive are refrigerator doors with metal insulation enclosed in wood sheathing, lower parts covered with 16 gauge metal and upper parts with 20 gauge metal. Warehouse door 2 (between warehouse and train shed near meat room) is to be metal-clad.

33. Since 4-hour protection is to be provided between office section and bakery, construction of partitions and ceilings etc. in office section is not regulated as to their fire resistiveness, this section only having to qualify as Second Class Construction. It is understood that the skylights are to be omitted. When these plans are ready, the contractor should file application for amendment to the permit now issued to cover this change. Changes in banana and refrigerated rooms in warehouse and this change in office section may will be included in the same application for amendment.

Insulation applied to bakery walls will be on metal covered strapping which in turn will be attached to wood strips laid in joints of tile. No wood is to be exposed on either the bakery side or the concealed space side of the inner insulating tile walls at exterior walls of bakery. — OK

34. All required fire doors are to bear the Underwriters' Laboratories label indicating their approval for the places used, except the fire doors indicated above over

the fermentation room. — OK

35. Fireproofing of spandrel beams and lintels on spans greater than 10' and supporting brick masonry are to be fireproofed with no less than 2" thickness of concrete, the fireproofing to be reinforced in every case. — OK

36. Third floor storage area in bakery has been designed for 250 pounds per square foot live load, and the owner will see to it that permanent floor load signs are posted accordingly. — OK

38. All brick masonry loadings have been figured for combination mortar—one part cement and one part lime—instead of cement mortar indicated in specifications. — OK

43. Contractor has already inquired about certification of welders. Each individual welder is to be qualified here by evidence of his ability according to the qualification procedure of the American Welding Society (no other procedure will do), by a brief outline of his experience as a welder, and by his personal signature. ?

45. The doughnut machines are to be fully enclosed and the enclosure vented, so a hood is not required. Where the vent pipe would otherwise be exposed to a concealed space over meat room ceiling, a fire protected space enclosed with non-burnable material of permanent character and open from the roof side is to be designed and the details furnished. OK

47. Fire doors leading to elevator machinery room are to be Class B. OK Glass in skylights over machinery room is to be clear glass without wire and a protective screen is to be provided not less than 4" nor more than 10" above glazed portion of skylight and extending beyond the glazed portion on all sides a distance no less than the height of the screen above the glass. — OK

Screened opening in machinery room floor, net area of openings in screen to be no less than 288 square inches, screen or grating in floor of elevator machinery room to be capable of supporting a concentrated load of 300 pounds on any 4 square inches (not every 4 square inches simultaneously) and openings or perforations are to be small enough to reject a ball larger than one inch in diameter. — OK — Conversation

SPECIAL NOTE

Before finishing this list, copy of Gantebaum & McMullen's letter of July 9/1948 was received, requesting that the contractor file some 16 blueprints with this office, representing changes that we have talked over, and indicating certain other details which are to be taken care of by later revisions. Except for changes at banana and refrigerated rooms in warehouse and the changes in the office section, including the major one of elimination of skylights, we will include the changes represented on these plans soon to be filed as included in the general construction permit now issued.

With regard to the changes at banana and refrigerated rooms and the changes in office section, the contractor should file application for amendment when the plans of both changes are ready or either can be filed separately when the plans for that particular change are ready, but the general changes encompassed in the application should be indicated on the application. These applications for amendments are to be filed here in each the same manner as the application for an original permit. Of course we do not expect such an application for an amendment every time there is a minor change, but the contractor will be expected to file subsequent applications for amendments whenever further changes of importance are made and revised plans filed. In each case an attempt should be made on the application for the amendment to indicate the location and general character of the change as well as the sheet numbers of the revised plans filed and the revision dates of each.

The cooperation of the contractor in this connection will be much appreciated.

Very truly yours,

Inspector of Buildings

CC: First National Stores, Inc.
Att: Mr. John Dexter
5 Middlesex Ave., Somerville, Mass.

Dr. Albert D. Foster, Health Officer July 6, 1948
Attn: William B. Bunting, Chief Inspector
Warren McDonald, Inspector of Buildings

New warehouse, bakery etc. for First National Stores at
215-239 Road Street

We have been doing our best to keep the engineers for these extensive buildings advised of your interest in all matters pertaining to health and as to ventilation of toilet, locker rooms etc.

We now have a letter from Cleghorn Company of 121 Arlington Street, Boston 16, Mass. with eleven blueprints showing heating, ventilating and air conditioning. They say: "We understand that the general ventilation and heating plants for the bakery and office building are to be filed with you, and that ventilation plans for toilet and locker rooms are to be filed with the Plumbing Inspector. Therefore we are sending you, under separate cover, the following plans for your distribution and approval:"

If you desire, I shall be glad to have you examine these plans in this office, since the ventilating and other features are so interwoven in the set of plans that it is not possible to separate parts that you are particularly interested in.

We also have the complete architectural plans and specifications, these being a great many sheets and rather large. These two can be examined here, or in about a week you can borrow them if you prefer—the period of a week being because of the fact that I hope to issue the general construction permit for the superstructure within that period. After that we will not have so much need of immediate access to the plans.

Inspector of Buildings

WMcD/S

Question needing answers on ~~the~~ main warehouse floor of First National Stores warehouse on Road Street in Portland

A. Construction of Floor And What's Under It

1. How thick is slab?
2. What is slab made of?
   a. Is it made of high tensile concrete?
   b. Is it reinforced
3. What is between floor and ledge it lies on? Gravel?

Do we have a plan of warehouse portion which shows column spacing, and clear story heights?

Desperately need answers

(D) INDUSTRIAL ZONE

APPLICATION FOR PERMIT

PERMIT ISSUED
No. 91184
JUL 13 1949
CITY of PORTLAND

Class of Building or Type of Structure First Class

Portland, Maine, October 21, 1947

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to erect a~~[illegible]~~ 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 215-239 Read Street Within Fire Limits? no Dist. No.

Owner's name and address First National Stores, Inc., ~~Morrill St.~~ Telephone

Lessee's name and address Telephone

Contractor's name and address Thomas O'Connor & Co., Inc., 238 Main St. Cambridge, Mass. Telephone Job. L-3719.

Architect Canteaume & McMullen 99 Chauncy St., Boston, Mass. Specifications yes Plans yes No. of sheets ~~88~~ 69

Proposed use of building Warehouse, office, bakery, garage No. families

Last use No. families

Material No. stories Heat Style of roof Roofing

Other buildings on same lot

Estimated cost $ 1,500,000. Fee $ 150.

Health Notices to Health Officer and thus

General Description of New Work

To construct 1 story brick building for ~~bakery~~ warehouse;
To construct 3 story brick building for bakery;
To construct 1 story brick building for garage; all as per plans.

INSPECTION NOT COMPLETED 8/10/51

Engineer for contractor as per Mod
~~[illegible]~~
Mr. Mannamon as supt. for contractor

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.

PERMIT TO BE ISSUED TO ~~First National Stores, Inc., Morrill St.~~, c/o James Kelley
Thomas O'Connor & Co., 215 Read 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?

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.
Thomas O'Connor & Co.

Signature of owner By: Thomas H. O'Connor

INSPECTION COPY

Permit No. 4156 1184 FS

E 2239

Location: Reed St.

Owner: First National Stores

Date of permit 7/ 13 /48

Notif. closing-in

Inspn. closing-in

Final Notif.

Final Inspn

Cert of Occupancy issued

NOTES

Prelim. for found. 47/3020

9/14/48 Structural work will along and general construction going ahead rapidly to date.

INSPECTION NOT COMPLETED

(1) INDUSTRIAL ZONE

APPLICATION FOR PERMIT

PERMIT ISSUED
01170
JUL 10 1948
CITY of PORTLAND

Class of Building or Type of Structure Installation

Portland, Maine, July 8, 1948

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 215-239 Read Street Within Fire Limits? no Dist. No.

Owner's name and address First National Stores, Inc. 5 Middlesex Avenue Somerville, Mass. Telephone

Lessee's name and address Telephone

Contractor's name and address Viking Sprinkler Co., Inc. 51 Sleeper St. Boston, Mass. Telephone

Architect Specifications Plans yes No. of sheets 2

Proposed use of building Warehouse, garage, bakery and offices 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 underground work for sprinkler system as per plan.

INSPECTION NOT COMPLETED
4/10/57

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*** Viking Sprinkler Co., Inc.

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? heig t?

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:

INSPECTION COPY

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.
Viking Sprinkler Co., Inc.

of owner by: F. P. Gallagher

B

Permit No. 48/1120

Location 215-239 Pearl St.

Owner First National Stores Inc.

Date of permit 7/10/48

Notif. closing-in

Inspn. closing-in

Final Notif.

Final Inspn.

Cert. of Occupancy issued

NOTES

INSPECTION NOT COMPLETED

BP 48/1170-I
(215-239 Reid Street)

January 24, 1949

Viking Sprinkler Company, Inc.
Attn: Mr. J. H. Cashman, President
51 Sleepor Street
Boston 10, Massachusetts

Subject: Permit for installation of automatic sprinkler system in new buildings of First National Stores, Inc. at 215-239 Reid Street in Portland

Gentlemen:

As regards the permit for the sprinkler system at the above location mentioned in your letter of January 19, 1949, we find that a permit for the underground work for the system was issued to you on July 10, 1948. An amendment to this permit covering the work on the balance of the system was issued on January 12, 1949 with the understanding that plans of certain parts of the system which had not been completed at that time would be sent to us as soon as they are available. As we understand it the only parts of the system for which plans have not been filed are for a section of the building at the northerly end of the structure and details of the open sprinklers over the doorways from the train shed to the warehouse. These plans should bear, as do the others, the approval of the insurance rating bureau having jurisdiction. In the case of the open sprinkler heads, the approval of Chief Sanborn of the Portland Fire Department as regards the location of the manually controlled valves operating these sprinklers should be secured before they are installed.

On this basis the permit requirements for this work seem to have been met and no further action on your part, except for the transmission of the properly approved plans not already filed, will be necessary.

Very truly yours,

Inspector of Buildings

AJS/G

NEW YORK
30 VESEY STREET

TORONTO, ONTARIO
330 BAY STREET

BOSTON, MASS.
51 SLEEPER STREET

VIKING SPRINKLER CO., INC.

ENGINEERS
CONTRACTORS
MANUFACTURERS

"APPROVED"

TELEPHONE
HUBBARD 5965

51 SLEEPER STREET
BOSTON 10, MASS.

January 19th 1949

Mr. Warren McDonald,
Inspector of Buildings,
Municipal Building,
City of Portland, Maine

Dear Sir:

Re: First National Stores, Inc.
Read & Morrow Sts.
Portland, Maine

Under date of June 23rd 1948 you advised us that certain procedure was to be followed for obtaining sprinkler permit.

Inasmuch as we have not completed entire plans for this installation due to some changes which are still being made it will be satisfactory to us if you would send us a blank permit form which we will fill out in accordance with regulations and will return it to you.

On the other hand if you would rather wait until our plans are entirely completed, which will be some few weeks, before you issue the permit, this also will be satisfactory to us.

If you will kindly advise us what you desire us to do we will be most pleased to comply with your request in the matter.

Very truly yours,
VIKING SPRINKLER COMPANY, INC.

BY J. M. Cashman
President

JMC:M

RECEIVED
JAN 20 1949
DEPT. OF BLD'G. INSP.
CITY OF PORTLAND

BP 48/ 1170-I
(215-239 Bond Street)

January 12, 1948

Viking Sprinkler Company, Inc.
51 Sleeper Street
Boston 10, Massachusetts

Subject: Amendment to permit 48/1170 covering installation of automatic sprinkler system in warehouse, bakery, garage and office for First National Stores, Inc. at 215-239 Bond Street

Gentlemen:

The amendment for the above work is issued herewith, your letter of January 6 having cleared up the questions raised in our letter of January 3. When they are ready, we shall appreciate receiving the plans showing details of the open sprinklers over doorways from tr[illegible] and to warehouse and the system at the northerly end of the warehouse. As requested by you, we are returning herewith Sheet 12 of the plans with the marked details of fermentation room installation.

Very truly yours,

Inspector of Buildings

AJS/G

CC: Gantcourse & McMullen
99 Chauncy Street
Boston, Massachusetts

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

Thomas O'Connor, Inc. (CC for job)
236 Main Street
Cambridge, Massachusetts

NEW YORK
30 VESEY STREET

TORONTO, ONTARIO
330 BAY STREET

BOSTON, MASS.
51 SLEEPER STREET

VIKING SPRINKLER CO., INC.

ENGINEERS
CONTRACTORS
MANUFACTURERS

"APPROVED"

TELEPHONE
HUBBARD 5965

51 SLEEPER STREET
BOSTON 10, MASS.

January 6th 1949

Mr. Warren McDonald,
Inspector of Buildings,
Room 21, City Bldg.
Portland, Maine

RECEIVED
JAN 3 1949
DEPT. OF BLD'G. INSP.
CITY OF PORTLAND

Dear Sir:

RE: FIRST NATIONAL STORES, INC.
215-239 Read Street,
Portland, Maine

With reference to yours of the 3rd inst. addressed to Ganteaume & McMullen, Boston, Mass. regarding certain details of the sprinkler system may we advise as follows:

1: Our plans showing the details of the open sprinklers on train shed side of warehouse building and to be located over the doorways have not as yet been completed. When our Engineering Dept. does have them completed a set of these plans will be sent to you.

2: If you will refer to sheet number 12 of our drawings you will note that the Fermentation Room is shown at the extreme left hand side of our plan with 20 sprinklers to be installed under suspended ceiling and by refering to the 3rd floor plan which is the ceiling above Fermentation Room and to the right of same on sheet #12, you will note that there are 20 sprinklers on the ceiling area above suspended ceiling between Columns 1 to 0-3 and A to C C.

We are enclosing a blue print and in green crayon we have crossed this area in order to clarify this for you. Would you kindly return this Blueprint to us.

3: Our plans for the Banana Rooms, meat, wet and dry produce, butter and cheese rooms have just recently been completed and only approved by the Insurance Interests January 3rd. We are enclosing one print of this sheet number 8 bearing insurance approval stamp.

Our sheet #2 is for system #9 at North end of Warehouse Bldg. where Beverage Room is located and due to changes in this area we have been unable to complete our plans. However, our Engineering Dept. is now finishing the layout on sheet #2 and when completed a set of prints will be sent to your office and these of course will have the Insurance approval stamp on same.

VIKING SPRINKLER CO., Inc.

Our sheet #8 is for the rooms mentioned in item #3 above and is enclosed.

Very truly yours,

VIKING SPRINKLER COMPANY, INC.

BY F.P.J. Gallagher
Manager

FPJG:M

A # 215-239 [illegible] Street

January 5, 1949

Cantcaume & McMullen
99 Chauncey Street
Boston, Mass.,

Subject: Automatic sprinkler system for warehouse, bakery, garage and office for First National Stores, Inc., at 215-239 Mond Street.

Gentlemen:

In checking over the plans for the above system which have been filed with the application for a permit for its installation by the Viking Sprinkler Company, Inc., we are unable to find that the following details have been shown in accordance with the conditions under which the general construction permit for the building was issued:

Plans to come

1. We are not able to find on the plans any indication of the large orifice open sprinklers which it was our understanding were to be installed on the truck shed side of all doorways from train shed to warehouse in lieu of the double Class A fire doors otherwise required on these openings. See paragraph [illegible], section 5 of our letter of July 13, 1948 sent with permit when issued covering this particular item.

Taken care of

2. There appears to be no indication on plans that the space above the ceiling of the fermentation room in the third story of the bakery is to be protected by the sprinkler system [illegible] paragraph # [illegible] same letter as noted above for condition under which [illegible] wood in the ceiling of this room would be allowable.

Plans to come

3. We have been unable to find on the plans that the banana rooms, meat, wet and dry produce, butter and cheese rooms, etc., are to be sprinklered. It was our understanding that this was to be done and paragraphs # 21 and # 31 of memorandum dated June 24, 1948 of discussions between Mr. McMullen and myself indicate that this was the understanding.

We realize that the Viking Sprinkler Company was probably instructed to prepare plans of a system which would meet the approval of the fire insurance rating bureau having jurisdiction, which has apparently been done. However, the details noted above are special features offered in lieu of compliance with the precise requirements of the Building Code for the type of construction involved. We feel that any questions as to what is to be done in this respect should be cleared up before issuance of the permit for the installation of the sprinkler system. Will you not let us know as soon as possible what is definitely proposed as regards these items, so that there may be no misunderstanding at a later date?

Incidently, Sheets # 2 and # 3 seem to be missing from the set of plans which was filed with the application for the permit for installation of the sprinkler system.

Very truly yours,

AJS/B

Inspector of Buildings

CC Viking Sprinkler Co., Inc.
Thomas O'Connor & Co., Inc., (Also CC for job)
First National Stores, Inc.,

PERMIT ISSUED
JAN 13 1949
CITY of PORTLAND

APPLICATION FOR AMENDMENT TO PERMIT

Amendment No. 1

Portland, Maine, November 5, 1948

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for amendment to Permit No. 48/1170 *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 215-239 Read Street Within Fire Limits? no Dist. No.

Owner's name and address First National Stores, Inc. 5 Middlesex Avenue Somerville, Mass. Telephone

Lessee's name and address Telephone

Contractor's name and address Viking Sprinkler Co., Inc. 51 Sleeper St. Boston, Mass. Telephone

Architect Plans filed yes No. of sheets 14

Proposed use of building Warehouse, garage, bakery & offices No. families

Last use No. families

Increased cost of work Additional fee .25

Description of Proposed Work

To install sprinkler system for entire buildings as per plans.

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: With letter by AJS

First National Stores, Inc.
Viking Sprinkler Co., Inc.

Signature of Owner. by: F. P. Gallagher

Approved: 1/12/49

Inspector of Buildings

INSPECTION COPY

AP 215-239 Read Street-I
(Sprinkler system for
First National Stores, Inc.
warehouse, garage, bakery
and offices)

June 23, 1948

Viking Sprinkler Co., Inc.
51 Sleeper Street
Boston 10, Mass.

Subject: Automatic sprinkler system for warehouse, garage, bakery and offices of First National Stores, Inc. at 215-239 Read Street in Portland, Maine
Attn: Mr. F. P. J. Gallagher, Mgr.

Gentlemen:

Acknowledging receipt of Mr. Gallagher's letter of June 22 with print of plan showing underground piping layout for automatic sprinkler system on the above job, it is our usual practice to have the applicant for such a permit file application in person, giving the information across the counter to the permit clerk who types on our application forms. We have on occasion with out-of-town concerns sent the application form to the installer, but we would prefer not to do so. In view of the fact that you have your representative in town frequently in connection with another job you are doing here, I suggest that he come in and file the application in person.

The print which you have sent covers only the underground work, and if you desire to apply for a permit to cover that work only, we will be able to issue that permit. That is all the initial permit will cover, however, and it would later be necessary for you to apply for amendment to that permit to cover the balance of the job when the prints of the balance of the job were ready with the stamp of approval of the Insurance Agency on it.

If you are right up to the point of starting the underground installation, you will need the permit of course for that much of it, as we prefer that no work at all be done until the permit is on the job, which is a requirement of the Building Code. Otherwise if you are in no hurry, we would prefer to issue one permit for the entire job.

It is our understanding from the engineers on the job that the entire stand of buildings is to be completely sprinklered, covering every area which is accessory for maintenance of the heads or can reasonably be made so.

Very truly yours,

Inspector of Buildings

WHcD/S

CC: Canteamme & McMullen
99 Chauncy Street
Boston, Mass.

P.S. The fee for the building permit for the entire sprinkler system is $1.00, and if you get the initial permit for the underground work only, subsequent amendments will cost $.25.

NEW YORK
30 VESEY STREET

TORONTO, ONTARIO
330 BAY STREET

BOSTON, MASS.
51 SLEEPER STREET

VIKING SPRINKLER CO., INC.

ENGINEERS
CONTRACTORS
MANUFACTURERS

"APPROVED"

51 SLEEPER STREET
BOSTON 10, MASS.

TELEPHONE
HUBBARD 5965

June 22, 1948

Mr. Warren McDonald,
Inspector of Buildings,
Municipal Building,
City of Portland, Maine

Dear Sir:

RE: FIRST NATIONAL STORES, INC.
NEW PLANT
READ & MORROW STS.
PORTLAND, MAINE

We are enclosing two blueprints bearing approval stamp of the Factory Insurance Association showing our Underground Piping Layout for the Automatic Sprinklers which we are to install at the above named Plant.

Our plans showing the inside work have not as yet been completed and approved by the Insurance Interests and the Architects. As soon as they have been they will be sent to you as is customary.

In the meantime, can you arrange to send us a permit for this installation and also advise what the fee will be for permit. Thank you.

RECEIVED
JUN 23 1948
DEPT. OF PLG. INSP.
CITY OF PORTLAND

Very truly yours,
VIKING SPRINKLER COMPANY, INC.

BY F. P. J. Gallagher
Manager

FPJG:M

2078

July 9, 1948

RECEIVED
JUL 10 1948
DEPT. OF BLD'G. INSP.
CITY OF PORTLAND

Thomas O'Connor & Company
238 Main Street
Cambridge, Massachusetts

Gentlemen:

Under separate cover we are sending you two prints each of the following drawings:

Dwgs. 2078A - 3-16-106-107-110

" 2078B - 4-5-6-12-14-101-102-103-104-105

" 2078C - 3

These cover changes requested by the City of Portland Building Department and itemized in memorandum of June 24 written by Mr. McMullen, with the following exceptions:

Item 23 - para. 1 - Elevator doors have not been changed pending further study.

" 26) " 44) Stacks have not been corrected pending further study.

" 45 - A sketch has been made and will be submitted directly to the Building Department, showing proposed method of stacks being enclosed in a fire protected area.

These items will be taken care of as soon as possible, and we suggest the Building Department be notified accordingly.

Will you please file the above prints with the Building Department as soon as possible.

Yours very truly

EHM/M
copy to J. Jennings
Portland Bldg. Dept.

GANTEAUME & McMULLEN
ENGINEERS - ARCHITECTS
99 CHAUNCY STREET
BOSTON 11
TELEPHONE HANCOCK 8970

H D A GANTEAUME
E W McMULLEN
J B H
A B H

INDUSTRIAL BUILDINGS
COMMERCIAL BUILDINGS
INVESTIGATIONS
VALUATIONS
REPORTS

July 1, 1948

RECEIVED
JUL 2 1948
DEPT. OF BLD'G. INSP.
CITY OF PORTLAND

Department of Building Inspection
City of Portland, Maine

Gentlemen: Mr. Warren McDonald

Please refer to Doors 108 and 142 in the opening from the shed to west stairway in the First National Stores bakery at Portland.

We understand that your code requires two Class A fire doors between the shed and the bakery. It is our belief, which is shared by all insurance agencies with whom we have dealt, that in a case similar to this such an arrangement provides double Class A fire door protection between two areas.

We are not certain that this question was fully developed during our discussions and we would appreciate your views on the matter.

Yours very truly

E. W. McMullen

EWM/M

GANTEAUME & McMULLEN
ENGINEERS - ARCHITECTS
91 CHAUNCY STREET
BOSTON 11
TELEPHONE HANCOCK 8970

H. D. A. GANTEAUME
E. W. McMULLEN
L. E. DAY
A. B. RICH

2078

INDUSTRIAL BUILDINGS
COMMERCIAL BUILDINGS
INVESTIGATIONS
VALUATIONS
REPORTS

June 30, 1948

Department of Building Inspection
City of Portland, Maine

Gentlemen: Me. Warren MacDonald

We received a letter from the American Flange & Manufacturing Company, advising that you had contacted them regarding the metallic insulation for the First National Stores warehouse, bakery, and office building at Portland. Their letter further states that you were under the impression that Ferro-Therm was specified and would be installed.

If this is your impression, we desire to advise that Alumiseal will be used, which is at least the equal, and which we consider superior to the material specified.

When the specification for insulation was written, the C. T. Hogan Company, 383 Madison Avenue, New York 17, was the Eastern representative of the American Flange & Mfg. Company; and Mr. E. S. Pleasanton, 125 Massachusetts Avenue, Boston, Massachusetts, was their New England representative. Some time after the contract was awarded to the Thomas O'Connor Company, we were advised that both the C. T. Hogan Company and Mr. Pleasanton had severed their connections with the American Flange & Mfg. Company and were offering Alumiseal as a competitive material. We instructed the O'Connor Company to take proposals from both concerns, and the subcontract for insulation was awarded to Mr. E. S. Pleasanton, the low bidder.

We suggest that you contact either the Hogan Company in New York or Mr. Pleasanton in Boston, for any information you desire.

Yours very truly

E. W. McMullen

EWM/A

GANTEAUME & McMULLEN
ENGINEERS - ARCHITECTS
99 CHAUNCY STREET
BOSTON 11
TELEPHONE HANCOCK 8970

H. D. A. GANTEAUME
E. W. McMULLEN
L. E. DAY
A. B. RICH

INDUSTRIAL BUILDINGS
COMMERCIAL BUILDINGS
INVESTIGATIONS
VALUATIONS
REPORTS

2078

June 24, 1948

City of Portland
Department of Building Inspection
Portland, Maine

Gentlemen: Mr. Warren McDonald

We are enclosing, in duplicate, memoranda resulting from our discussions of your letters dated Ap[illegible] 12, and May 18, 1948, with reference to the First National [illegible]res warehouse, bakery and office building at 215-239 Read[illegible]eet, Portland, Maine. It is our intention to get these into your hands as quickly as possible so that if we have misinterpreted your remarks, you will have the opportunity of advising us.

In the meantime we are revising the plans in accordance with our understanding of your requirements, and revised prints will be sent to you as soon as they are completed.

Yours very truly,

E. W. McMullen.

Encls. (2)
EWM/f

will be changed from a wood door to a Class C fire door, and egress signs will be provided on both sides of it.

4. The rolling steel shutters between the garage and the warehouse are not electrically-operated and will be open at all times when the warehouse is in operation. These doors are equipped with fusible links and would be closed, in case of fire, along the line between the garage and the warehouse. In view of the foregoing, it was agreed that a wicket door would not be required.

5. Directional exit signs will be provided to indicate all means of egress not ordinarily used for entrance, and such signs are to be so spaced and numerous enough to indicate the direction to an egress door. Signs are to be illuminated by means of general illumination. The exits in the cafeteria are to be marked with standard exit lights. The white lights in both cafeteria stairwells must be on the same circuit and controlled by the same switch as the exit lights. Directional signs are to be located high enough so that they will not be hidden by merchandise; this applies to Doors 2, 17, 41, and 100. Doorways in the bakery are to be marked and indicated with directional signs; and Doors 107, 108 and 102 are to have directional signs.

6. All single steps beneath outward swinging doors are to be eliminated.

7. Doors 124, 126, 129, 130, 133 in men's and women's locker rooms, the new door to women's locker room, in the bakery, and Doors 42, 44, 45 and 49 in the warehouse locker rooms are to be changed from 2'-8" wide to 3'-0" wide. As it is possible that more than 50 people might be in the warehouse locker room at one time, all exit doors shall swing out.

8. Hand rails will be provided on both sides of steps at entrance to warehouse. Center rail will not be required as stairs are 7'-0" wide. Width of treads and height of risers will conform to Code requirements. Treads are not less than 10".

9. Egress doors serving more than 20 persons will be equipped with vestibule latch sets so devised that doors may be opened by merely turning the knob. In double doors, where each one of the pair is 3'-0" wide, only the active leaf is to be so equipped; the other leaf will have mortised top and bottom bolts. In the case of double doors with leaves less than 3'-0" wide, the standing door will be equipped with anti-panic bolts with bar across the door. All doors leading to or from stairways in the bakery will have liquid door closers.

10. Service shaftways in bakery are for pipe and wire facilities. Doors 4 and 5, and all other doors in shafts, will be labeled fire doors and shall be equipped with self-closing devices.

11. A window, at least 2'-0" wide and 3'-0" high, will be provided on the second and third floors of the bakery, to provide quick access to these floors.

12. Toilet and locker room ventilation plans will be filed for permit.

13. The round openings in the second floor of the bakery are to accommodate proposed spiral chutes or conveyor to transport finished baked rolls and sweet buns from the packing bench on the second floor to the storage area on the first floor. The bakery will be fully sprinklered.

14. Doors R1 and R4 to elevator machinery room will be labeled Class B or better fire doors. Doors to dumb waiter will be fire doors at each floor landing. It is proposed to use counter-balanced doors in these openings and it is not customary to provide self-closing or automatic closing type. It is proposed to interlock these doors, thus assuring non-passage of fire from one floor to another. It is not the intention to provide automatic or self-closing doors.

15. The paper storage room on the first floor of the bakery is for storage of rolled waxed paper or cellophane. No loose paper will be stored in this room. Loose paper will be collected in the Salvage Room and therefore Doors 137 and 138 will be Class C fire doors.

16. No welding, spraying or repair work will be performed in the garage.

17. Plans and details of the gasoline trap and gutter along the west side of the garage have been forwarded to the Chief of the Fire Department.

18. The garage and the warehouse will be fully sprinklered.

19. The upper and lower sides of ceiling joists in the banana and refrigerated rooms will be covered with metal. It is proposed to use wood strapping in connection with the Alumiseal insulation but this wood material will be covered completely with metal and will not be exposed to fire from either the room or warehouse sides.

20. All wood facias and plates on the warehouse will be covered with metal. Wood nailing pieces in sawtooth construction and insulation board on side walls will be permitted as indicated on drawings.

. The building will be sprinklered throughout and will include main warehouse, banana room, refrigeration rooms, etc; battery charging and garage. The platform and train shed will also be completely sprinklered. The bakery and general office section are also completely protected by an automatic sprinkler system.

22. The north warehouse wall will be extended to a point 4" beyond the frame wall and the cornice of the existing frame building. If, after further check with the Board of Underwriters, it is determined that wire glass panels will not be permitted in Class A fire doors, such will be eliminated.

23. (1) Double Class A fire doors will be provided in openings between Bakery and Enclosed Platforms. These will be steel rolling or tinned fire doors.

(2) Double Class A fire doors will segregate the General Office Space from the Bakery. These will be steel rolling or tinned fire doors. With such provision, the wood strapping is acceptable. Skylights are to be omitted. Office area is to be sprinklered.

Double Class A doors will be provided between the Bakery and the Warehouse. These will be either self-closing or automatic closing, rolling steel shutter or tinned fire doors.

(3) Decision pending.

24. Various contractors for mechanical systems, etc. will be notified that separate permits are necessary.

25. The First National Stores will be notified that a separate permit is necessary for baking and frying equipment. In all cases fuel oil tanks will be connected to oil-burning equipment. No gasoline tank is contemplated at this time. It is understood that permits for the installation of oil-burning equipment on ovens, etc. will cover the installation of fuel oil tank. No gasoline tank is contemplated at this time.

26. The ovens are to be provided for oil burning but due to the present emergency respecting light oils, steps are now being taken to provide for burning gas as well as oil. The stacks from the combustion chambers in the ovens are indicated as 14-gauge steel. The copper stacks are oven exhausts and do not carry any products of combustion. The First National Stores will be notified that separate permits are required for the range and other cooking and hot water heating appliances in the kitchen.

27. The edge of the enclosed platform at the west end of the bakery is on a property line separating the First National Stores property from that of the American Can Company. The First National Stores gave this property to the American Can Company to permit of a future sidetrack to the latter. No building will be erected on this property. Under these conditions the type of construction indicated on the plans is acceptable.

28. Decision on the question of wood ceiling is pending.

29. Under side of wood sheathing extending over vault in exterior walls of bakery will be covered with metal.

30. All exposed wood plates, nailers and facias in the main walls of the warehouse and bakery will be completely covered with metal. Wood nailers in sawtooth skylights are acceptable. There are no wood framing members. The question as to separation of insulation and wood plates was not discussed in detail but it is not considered that the insulation is combustible in the sense that it is vulnerable from the exterior or interior of the building providing the plates and facias are covered with metal.

31. Revised plans will be submitted for the banana rooms, showing revised method of supporting hanger beams. It is impracticable to provide the proper facilities for ripening and holding bananas and enclose these facilities with a four-hour wall. The under and top sides of wood construction will be covered with metal and this will be acceptable. Sprinklers will be installed in all rooms and in the concealed spaces over rooms.

32. Doors 1, 3/7 inclusive, and 52/60 inclusive are refrigerator doors with metal insulation enclosed in wood sheathing - lower parts covered with 16-gauge metal and the upper parts with 20-gauge metal. 1 or 2 is a wood door covered with metal. Doors 36 and 37 are exterior doors and are not required to be fire doors. Such arrangement is acceptable.

33. All areas are to be completely sprinklered. Double fire doors are to be installed between the garage and warehouse in accordance with insurance requirements.

Four-hour protection will be provided between the office and the bakery.

Insulation will be applied to bakery walls by means of wood strips laid in joints of tile and strapping attached to these nailers. The strapping in turn will be covered with metal. No wood will be exposed on either the bakery side or the vault side in exterior walls.

As the office will be segregated from the bakery, the type of partition and wall covering is not pertinent.

34. All fire doors will bear Underwriters Laboratories' label indicating them as approved for the particular use intended.

35. 2" of concrete cover is proposed for all spandrel beams supporting brick masonry.

36. The storage area of bakery is designed for 250 lbs. live load and the First National Stores will be instructed regarding permanent floor load signs.

37. The stack base will rest on ledge. Plans of the stack will be submitted for files.

38. Working stresses in mortar conform to code requirements.

39. Walls of clerestory on bakery do not extend more than 12'-0" above roof.

40. Spandrel beams in bakery have been designed to take full wind load of an entire panel without relying upon weight of wall to offset any of the tension.

41. The $\frac{l}{r}$ for the steel deck is 129 and the deck is capable of taking 500 lbs. compression per lineal foot. The maximum wind load transferred to the deck from the wall will be 150 lbs.

42. Thomas O'Connor Co. have been notified to send copies of tests on concrete.

43. The Thomas O'Connor Co. will be notified about your requirements pertaining to shop and field welded connections. They in turn will notify the fabricators and the erectors. The shop welding involves only attachment of bases to columns and stiffener angles for beam flanges. Welding is used only in rational design.

44. A steel stack from the ovens and other oil burning apparatus will be acceptable providing it meets the code requirements.

45. The doughnut machines are enclosed. The stacks extending through the enclosed space over the refrigerated areas will be enclosed in a fire protected space open to the roof. Details of fireproofing will be submitted.

46. All installers of mechanical equipment and sprinklers will be notified to apply for separate permits. Plans have been filed with the Health Department. Insofar as can be determined, their requirements have been complied with.

47. The elevator and dumb waiter contractors will be notified to file for separate permits.

Fire doors at elevator machinery room will be Class A. Glass in skylights over machinery room will be clear glass (not wire) and a protective screen will be provided over the skylight. 288 square inches of screened opening will be provided in the machinery room floor.

48. 1) Step will be eliminated at warehouse Door 36.

2) Plans of gutter have been submitted to Chief of Fire Department and it is understood that his decision is awaited.

GANTEAUME & McMULLEN
ENGINEERS - ARCHITECTS
99 CHAUNCY STREET
BOSTON 11
TELEPHONE HANCOCK 8970

H. D. A. GANTEAUME
E. W. McMULLEN
L. E. DAY
A. B. RICH

INDUSTRIAL BUILDINGS
COMMERCIAL BUILDINGS
INVESTIGATIONS
VALUATIONS
REPORTS

2078

June 21, 1948

RECEIVED
JUN 22 1948
DEPT. OF BLD'G. INSP.
CITY OF PORTLAND

Department of Building Inspection
City of Portland
Portland, Maine

Mr. Warren McDonald

Gentlemen:

I am enclosing a copy of letter from Baker Perkins, Inc. indicating what they believe to be flue gas and oven exhaust stack temperatures.

Yours very truly,

E. W. McMullen

Encl.
EWM/f

C
O
P
Y

BAKER PERKINS INC.
SAGINAW - MICHIGAN

June 18, 1948

Ganteaume & McMullen,
Engineers - Architects
99 Chauncy Street
Boston 11, Massachusetts

RECEIVED
JUN 22 1948
DEPT. OF BLD'G. INSP.
CITY OF PORTLAND

Attention: Mr. McMullen

Subject: First National Stores
Portland, Maine

Dear Sir:

Our Mr. Brewer has requested that we give you the stack and duct temp ratures expected in the new 75' x 12' Oven for the above mentioned bakery.

The temperature of the gases in the stacks from the oven heaters vary considerable, but they will be about 600° to 700° F.

The temperature in the steam ducts from the exhausters normally run from 150° to 180° F. but in some extrememcases they might reach 300° F.

If for any reason this is not the information wanted, please do not hesitate to notify our Mr. Brewer or write directly to this office.

Yours very truly,

BAKER PERKINS INC.

H. A. Gordon - Bakery Dept.
Layouts and Contracts

BY: (sgd) R. Grainger

H. D. A. GANTEAUME
E. W. McMULLEN
L. E. DAY
A. B. RICH

GANTEAUME & McMULLEN
ENGINEERS – ARCHITECTS
99 CHAUNCY STREET
BOSTON 11
TELEPHONE HANCOCK 8970

INDUSTRIAL BUILDINGS
COMMERCIAL BUILDINGS
INVESTIGATIONS
VALUATIONS
REPORTS

RECEIVED
JUN 22 1948
DEPT. OF BLD'G. INSP.
CITY OF PORTLAND

2078

June 21, 1948

City of Portland
Department of Building Inspection
Portland, Maine

Gentlemen:

Mr. Warren McDonald

We are enclosing herewith a copy of letter from Mr. Oliver T. Sanborn, Chief of Fire Department, indicating his approval of the garage drain and oil trap.

Yours very truly,

E. W. McMullen

EDC/
EWM/T

C
O
P
Y

CITY OF PORTLAND, MAINE
FIRE DEPARTMENT

June 18, 1948

RECEIVED
JUN 22 1948
DEPT. OF BLD'G. INSP.
CITY OF PORTLAND

Ganteaume & McMullen
99 Chauncey Street
Boston 11, Mass.

Att: Mr. E. H. Maker

Gentlemen:

Your blueprint showing the garage drain and gasoline and oil trap appears to meet with our requirements.

I have no recommendations.

Yours truly,

(sgd) O. T. Sanborn
Chief of Department

2078

June 21, 1948

Health Department
City of Portland
Portland, Maine

Gentlemen:

We have been discussing various construction features in connection with the First National Stores warehouse, bakery and office building in Portland, Maine. During these discussions Mr. McDonald has raised the question of whether or not we have complied with your requirements with respect to equipment, ventilation and other matters under your jurisdiction.

We have informed Mr. McDonald that to the best of our knowledge you have passed upon and approved the layout as revised in accordance with your suggestions.

If we are mistaken will you please advise us.

Yours very truly,

EWK/T

cc Mr. Warren McDonald

2078

June 18, 1948

First National Stores
5 Middlesex Avenue
Somerville, Massachusetts

Gentlemen:

Mr. John F. Dexter

Mr. Warren McDonaldy, Department of Building Inspection, City of Portland, Maine, informed us that it will be necessary for the installer of bake ovens, fryers, and other appliances for cooking or heating hot water and oil burning equipment in connection therewith, to obtain a permit. He further states that if fuel oil tanks are to be connected directly to oil burning equipment, their installation is included with the permit for the installation of the oil burning equipment. Permits are issued only to the installers of the equipment.

The question arises as to who will notify Baker Perkins and other equipment suppliers. If you want to have us take care of this will you please advise.

Yours very truly,

EWM/f

cc Mr. Warren McDonald

2078

June 18, 1948

Thomas O'Connor & Company
238 Main Street
Cambridge, Massachusetts

Gentlemen:

The City of Portland, Department of Building Inspection, has instructed regarding both shop and field welding for the First National Stores warehouse, bakery and office building at Portland, Maine as follows:

> "Field connections of structural steel involving rationally determined tension, compression or shear, welders, as individuals, must furnish to this office certification of the experience of each, and of the ability of each, bearing an effective date not more than one year before welding is done. Preparation of test specimens, tests and reports by testing laboratory must be according to procedure of the American Welding Society, and none but that procedure will satisfy."

Will you please arrange to notify the fabricator of such requirement, and if it develops that any field welding is necessary please see that the certifications are filed to conform with above requirements.

Yours very truly,

EHH/f

cc Mr. J. Jennings
Mr. Warren McDonald

2078

June 18, 1948

Cleghorn Company
121 Arlington Street
Boston, Massachusetts

Gentlemen:

We have been advised by the Department of Building Inspection, City of Portland, Maine, that it will be necessary to obtain a permit for installation of all ventilation, heating systems and hot water heater in the First National Stores warehouse, bakery and office building in Portland, Maine.

We understand that the general ventilation and heating plans for the bakery and office building are to be filed with the Department of Building Inspection and that ventilation plans for toilet and locker rooms with the plumbing inspector.

It is essential that you arrange to file these plans immediately. The permit is issuable only to the installer of such equipment.

Will you please advise us when you receive this permit.

Yours very truly,

EWW/f

cc Mr. Joe Jennings
Mr. Warren McDonald

2076

June 18, 1948

Mr. Frank S. Larkin
263 Summer Street
Boston, Massachusetts

Dear Mr. Larkin:

We have been advised that a permit is necessary for all domestic hot water heating apparatus for the First National Stores warehouse, bakery, and office building at Portland, Maine. Permits are issued only to the installer. Will you please arrange to file necessary plans and specifications with the Department of Building Inspection, City of Portland, Maine.

It is requested that you notify us when the permit has been issued.

Yours very truly,

EME/f

cc Mr. Joe Jennings
Mr. Warren McDonald

RECEIVED
JUN 19 1948
DEPT. OF BLD'G. INSP.
CITY OF PORTLAND

2078

June 18, 1948

F. S. Payne Company
75 Richdale Avenue
Cambridge, Massachusetts

Gentlemen:

The Department of Building Inspection, City of Portland, Maine advises us that it is necessary for you to file application for a permit for the installation of the freight elevator in the First National Stores bakery in Portland, Maine. The permit is issuable only to the installers of the equipment.

Will you please arrange to file an application as soon as possible.

Please advise us when you receive this permit.

Yours very truly,

EMM/f

cc Mr. Jos. Jennings
Mr. Warren McDonald

RECEIVED
JUN 19 1948
DEPT. OF BLDG. INSP.
CITY OF PORTLAND

2078

June 18, 1948

Viking Sprinkler Company, Inc.
51 Sleeper Street
Boston 10, Massachusetts

Gentlemen:

We have been advised by the Department of Building Inspection, City of Portland, Maine, that it will be necessary to obtain a permit for the installation of sprinkler system in the First National Stores warehouse, bakery and office building in Portland, Maine.

The permit is issuable only to the installer, and it is also required that the plans that you file must bear the stamp of approval of the Factory Insurance Association.

It is important that you arrange to file such plans immediately with the Department of Building Inspection.

Will you please advise us when the permit is issued.

Very truly yours,

EWM/f

cc Mr. Jennings
Mr. Warren McDonald

FACTORY INSURANCE ASSOCIATION

EASTERN REGIONAL OFFICE
HARTFORD 2, CONNECTICUT

FIELD OFFCE
ROOM 521, 89 BROAD STREET
BOSTON 10, MASS.

June 16, 1948

Mr. Warren McDonald
Inspector of Buildings
Room 21, City Hall
Portland, Me.

RECEIVED
JUN 17 1948
DEPT. OF BLD'G. INSP.
CITY OF PORTLAND

Dear Sir:

Re: First National Stores, Inc.
Portland, Me.
FIA No. 8008

We greatly appreciate the comments made in your letter of June 11, 1948 regarding the construction of the Warehouse and Train Shed at this new plant. Frankly we had not shared your anxiety regarding the possibilities of a fire spreading from the Train Shed into the Warehouse.

When the engineering layout for this new plant was under consideration, this matter was given some study and it was felt by this office that the automatic sprinkler protection would provide adequate coverage for the buildings and for any contents, serving to confine any fire which might occur in any building and prevent its spreading, as well as keeping the building structures and surrounding occupancies cool.

I note your comment that sprinkler systems do fail and this is indeed a statement of fact. However, the record of the automatic sprinkler system is an excellent one and proportionately failures are very few and far between. We are inclined to think that the automatic sprinkler is more reliable than the operation of an automatic fire door of the size which would be necessary to protect the openings on the Train Shed at this plant. Such doors are quite heavy and get out of adjustment quite easily, and are, of course, subject to block at any time.

Sincerely,

J. L. Perry

J. L. Perry
Special Agent

bg

AP 215-239 Road Street-I

June 11, 1948

Factory Insurance Association
89 Broad Street
Boston, Massachusetts

Subject: Question as to hazard in connection with construction of warehouse and train shed for First National Stores, Inc. in Portland

Attn: Mr. Linde

Dear Mr. Linde:

Prior to the commencing of a rather large warehouse for First National Stores, Inc. in Portland, our City Council after some deliberation decided to amend the Building Code so that a floor area very much larger than usually permitted would be afforded them so that they would not be hampered in the movement of their goods by fire walls and fire doors, one of the conditions being that the building should have masonry walls and should otherwise comply with our Code for Metal Frame Construction, and should be completely sprinklered.

The owners' engineers have selected to enclose the combined unloading platform and train shed with all metal construction without fire doors between the train shed and warehouse. I am bothering you, if you will consider it ethical, to give us from your experience an opinion as to the hazard to the warehouse with its tremendous quantity of combustible contents, should a fire take place within a box car in the train shed.

Both train shed and warehouse are to be completely sprinklered, but the engineers tell me that the several 8-foot wide overhead doors between the warehouse and the platform will probably stand open practically all of the time. There are several swinging doors between platform and banana rooms (the latter are inside the warehouse), but I am told that normally these doors would be closed, only one of them open at a time and then only when they were moving bananas into the storage rooms.

The steel roof frame in both warehouse and train shed will be unprotected. We have had two demonstrations in this and adjoining city within a year that automatic sprinkler systems can fail to do the job they are intended to do and that such systems are really not much more than first aid devices.

When in full operation, of course, the warehouse will contain a great deal of burnable and quickly ignitable material, presumably spread all over the place. I am told that there will be numbers of box cars at one time on the side track within the train shed which runs the entire length of the warehouse. My concern is that a fire might take place in a box car within the train shed and that the sprinkler heads in the train shed might not get started quick enough to control it and the fire quickly spread through the open doors to the combustible contents of the warehouse—thus destroying the unprotected metal roof without doubt.

The owners' engineers are not proposing full compliance with the amendment to our ordinance because the exterior walls of train shed are not to be of masonry. It is wholly true, of course, that if the outside walls of the train shed were of masonry, the possibility of the occurrence I have described above would not be lessened. The engineers have said to me, however, that they do want to fully protect the owners' building from any reasonable eventuality, and while it would not make the situation

comply precisely with our Code as it stands, I have tentatively asked them how they would feel about providing automatic fire shutters on the train shed side of the doorways where the doors would normally stand open. The doors to the banana rooms swing outward to the platform and if automatic shutters were provided on the platform side of these doorways, the shutter would not work if the door were standing open. These are thick refrigerator doors anyway, and I do not feel concerned about fire penetrating through them to the banana rooms or even through the one doorway where the door might be open. The engineers say that it may not be practical to provide automatic door closers on these heavy refrigerator doors.

The engineers have drawn attention to the fact that this train shed is really outside of the main building and have asked what would be the difference whether or not the train shed were not enclosed in the wall. I think they do recognize the possibility of a fire within the train shed, however, which could not be controlled by the sprinkler heads there. Their attention was called to the fact, of course, that the difference between having the train shed with enclosing walls and without is, that with the wall any fire in a box car would have to be fought from the warehouse side and would not be readily accessible by our Fire Department.

If you feel that you can do so, would you be kind enough to express your opinion on this point, feeling free, of course, to take the view that I am imagining an unlikely situation.

In this connection I am told that your association is requiring double Class A fire shutters in the several openings between garage and warehouse, and it seems to me that this very extensive floor area filled with much combustible material may need protection from the other side of the building also.

Very truly yours,

Inspector of Buildings

WMcD/S

Encl: Self-addressed envelope

CC: Ganteaume & McMullen
Attn: Mr. McMullen
99 Chauncy Street
Boston 11, Mass.