

500-508 CONGRESS STREET
1949 THRU PRESENT # 2



APPLICATION FOR PERMIT
DEPARTMENT OF BUILDING INSPECTIONS SERVICES
ELECTRICAL INSTALLATIONS

Date Oct. 17, 19 80
Receipt and Permit number A 51805

To the CHIEF ELECTRICAL INSPECTOR, Portland, Maine:

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

LOCATION OF WORK: 500 Congress St.

OWNER'S NAME: Pavalion ADDRESS: same

FEES

OUTLETS:

Receptacles _____ Switches _____ Plugmold _____ ft. TOTAL _____

FIXTURES: (number of)

Incandescent X Fluorescent _____ (not strip) TOTAL 75 9.50

Strip Fluorescent _____ ft. _____

SERVICES:

Overhead _____ Underground _____ Temporary _____ TOTAL amperes _____

METERS: (number of)

MOTORS: (number of)

Fractional _____

1 HP or over _____

RESIDENTIAL HEATING:

Oil or Gas (number of units) _____

Electric (number of rooms) _____

COMMERCIAL OR INDUSTRIAL HEATING:

Oil or Gas (by a main boiler) _____

Oil or Gas (by separate units) _____

Electric Under 20 kws _____ Over 20 kws _____

APPLIANCES: (number of)

Ranges _____ Water Heaters _____

Cook Tops _____ Disposals _____

Wall Ovens _____ Dishwashers _____

Dryers _____ Compactors _____

Fans _____ Others (denote) _____

TOTAL _____

MISCELLANEOUS: (number of)

Branch Panels _____

Transformers _____

Air Conditioners Central Unit _____

Separate Units (windows) _____

Signs 20 sq. ft. and under X 3.50

Over 20 sq. ft. _____

Swimming Pools Above Ground _____

In Ground _____

Fire/Burglar Alarms Residential _____

Commercial _____

Heavy Duty Outlets, 220 Volt (such as welders) 30 amps and under _____

over 30 amps _____

Circus, Fairs, etc. _____

Alterations to wires _____

Repairs after fire _____

Emergency Lights, battery _____

Emergency Generators _____

INSTALLATION FEE DUE: _____

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

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

TOTAL AMOUNT DUE: 12.00

INSPECTION:

Will be ready on _____, 19__; or Will Call XX

CONTRACTOR'S NAME: Webb Electric

ADDRESS: Box 303 Gray, Me.

TEL: 657-2113

MASTER LICENSE NO.: 4039

LIMITED LICENSE NO.: _____

SIGNATURE OF CONTRACTOR:

Orin S. Hamilton

INSPECTOR'S COPY — WHITE

OFFICE COPY — CANARY

CONTRACTOR'S COPY — GREEN

Permit Application Register Page No. 1

[illegible]



APPLICATION FOR PERMIT

B.O.C.A. USE GROUP

001103

B.O.C.A. TYPE OF CONSTRUCTION

ZONING LOCATION

PORTLAND, MAINE, Dec. 6, 1970

PERMIT ISSUED

DEC 10 1970

CITY OF PORTLAND

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

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

LOCATION 510 Congress Street Fire District #174-531
1. Owner's name and address Chris Pachios - 592 Congress St. Telephone
2. Lessee's name and address Telephone
3. Contractor's name and address William Verge - 58 Schoold St. Ext. Telephone 934-4531
4. Architect Specifications Orchard Beach, Me. No. of sheets
Proposed use of building No. families
Last use store - department No. families
Material No. stories Heat Style of roof Roofing
Other buildings on same lot
Estimated contractual cost \$ 5,000 Fee \$ 25.50

FIELD INSPECTOR—Mr. MAREL GENERAL DESCRIPTION

Application is for: @ 775-5451

Ext. 234

To erect corridor walls inside of 1st floor as per plans. 1 sheet of plans.

Stamp of Spec Conditions

Alterations
Demolitions
Change of Use
Other

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

PERMIT IS TO BE ISSUED TO 1 ☒ 2 ☐ 3 ☐ 4 ☐

Other:

DETAILS OF NEW WORK

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

IF GARAGE

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

APPROVALS BY:

DATE

MISCELLANEOUS

BUILDING INSPECTION—PLAN EXAMINER

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

ZONING:

BUILDING CODE:

Fire Dept.:

Health Dept.:

Others:

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

Signature of Applicant William Verge Phone # ... same ...

Type Name of above William Verge 1 ☐ 2 ☐ 3 ☒ 4 ☐

Other and Address

FIELD INSPECTOR'S COPY

NOTES

1-16-80 Now work started yet -
 3-28-80 Started work on wall. It
 has 1/2" fire tape on one side up to U
 corner - about 10' to 12' -
 to measure the 20' corridor -

3-31-80 only has 12' width on main hall
 Area (by CVS) - 17' for The Cross Hall
 Area - 6' 10" for the side exit corridor
 to Rear Fire St exit - PLANS call for the

W. in corridor to be 20'
 however - The City issued
 with permit - looks OK
 WAIVER approved but doesn't
 mention what for - will
 check to see if for
 The Corridor widths -

4-16-80 See letter for W's
 OK in main width - has
 sheetlock on other side of
 hallways - 5/8" type X -
 W. ok'd the wooden canopy
 on entrance (to be fire rated)
 W. & U. calling to check doors
 to main area -

4-28-80 W. ok'd doors -
 work progressing - removed
 workmen of sheetlock in the back
 of downstairs close off - started
 work on fire st window area -

6-12-80 Next, completed
 with panelling - question
 on the fire door to rear
 hallway - 1 3/8" solid DO
 Label on door - Not Accepted -
 notified contractors - has

New Side door in -
 6-16-80 Do the same - contractor
 said U. calling was at site -
 said it was OK - will
 check with calling -

7-29-80 Called for fire
 water said they got the
 pattern on the side door -
 still needs to sheet lock
 back of closed off door

Permit No. 79/1103
 Location 5th Longwood St.
 Owner James Jackson
 Date of permit 12-1-79
 Approved 12-1-79

off the Tree St side
 Also Needs
 railing down
 rear steps to rear
 St. - Need Use
 of also -
 8-22-80 The railings
 are in - I couldn't
 see SP basement since
 my flashlight was
 missing from the
 car - will check
 later to see if wall
 was sheetlocked -
 8-25-80 Has sheetlock
 up but it should be
 grouted around edges
 better -



April 4, 1980

Chris Pachios
592 Congress Street
Portland, Maine

cc to: William Verge
58 School Street
Old Orchard Beach, Me.

Re: 510 Congress Street

Please note that a recent inspection of the corridor walls being erected at the above location revealed that the cross wall area is only 17½ feet in width instead of the 18½ feet allowed by waiver. The walls should be changed to reflect the 18½ feet which was your original waiver request.

If you want to amend your waiver request, please speak to Walter W. Hilton of this office.

If you have any questions regarding this matter, do not hesitate to contact this office.

Very truly yours,

Marge Schmuckal
Building Inspector

MS/t

*Amended Waiver to
allow 18'-6" be
reduced to 17'-6"
WVH*

12-12-79

A. J. Wilson, City Manager

Walter W. Hilton, Chief Building Inspector
Waiver Request from the 1978 BOCA Building Code
Section 432.2.4 Mall Widths

STATEMENT OF FACTS

On December 12, 1979, the Building Inspection Department received a written request from Chris Pachias, of 592 Congress Street, to waive the requirement that mall widths be no less than twenty (20) feet. The requested mall widths are twelve (12) feet and eighteen (18) feet six (6) inches for the proposed alteration at 510 Congress Street. (former Grants Store)

Section 432.2.4 of the 1978 BOCA Building Code reads as follows:
"The minimum width of the mall shall be twenty (20) feet."

Section 432.2.4 of the 1978 BOCA Building Code reads as follows:

Section 126.1 of the 1978 BOCA Building Code, as amended by the City of Portland, states that the Director of Building Inspection shall have power to recommend modification of any of the provisions of these codes upon application in writing by the owner or lessee, or his duly authorized agent, when there are practical difficulties in the way of carrying out the strict letter of these codes, provided that the spirit of the codes shall be observed, public safety secured, and substantial justice done. The particulars of such recommended modification shall be entered upon the records of the department and a copy signed by the Director of Building Inspection shall be furnished the applicant and the Municipal Officers. Such modification shall become effective fifteen (15) days from and after the date of the recommendation unless a majority of the Municipal Officers shall file with the City Manager within said time written objection to the granting of such modification.

Conclusion

Whereas, the twenty (20) foot requirement would be impractical in the layout as proposed and

The spirit of the code is being met with the required means of egress with public safety secured, this department hereby grants this waiver.

This waiver becomes effective on December 27, 1979.

Approved:

Joseph E. Gray, Jr.
Director of Building Inspection

Walter W. Hilton
Chief of Building Inspections

Lt. James Collins
Fire Prevention

c.c. Lt. Collins
Chris Pachios



COMMERCIAL & INDUSTRIAL PROPERTIES, INC.
562 CONGRESS STREET / PORTLAND, MAINE 04101 / 207 774-5541

December 12, 1979

City of Portland, Maine
City Hall
389 Congress Street
Portland, Maine 04101

Attn: Mr. Walter W. Hilton / Chief Building Inspector

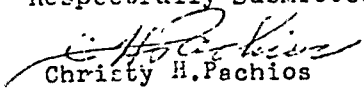
Re: Center City Plaza Mall Width

Dear Mr. Hilton:

I, Christy H. Pachios d/b/a Center City Plaza
desire and make a formal request for a waiver to
Section 432.2.4 "Mall Widths", of the City of
Portland Building Code.

Specifically referring to that portion of the
Section which reads "the minimum width of the Mall
shall be twenty (20) feet". We request that Center
City Plaza be given permission to construct the
corridors as indicated in the plans submitted with
our application for a building permit.

Respectfully Submitted,


Christy H. Pachios

CHP/p

December 12, 1979

William Verge
58 School Street Extension
Old Orchard Beach

Re: 510 Congress Street

Dear Sir:

Your building permit application to construct corridor walls on the first floor only, at the above named address, is hereby approved subject to the following:

- (1) Requirements as listed on plan review report by Walter Hilton, Chief Building Inspector, dated 12-11-79. (Copy enclosed)
- (2) Requirements as listed in memo by Lt. James P. Collins, Fire Prevention Bureau, dated 12-11-79. (Copy enclosed)
- (3) Waiver request approval dated 12-12-79.

If I may be of further service, please do not hesitate to call this office, Building Inspection, 775-5451, Ext. 300.

Very truly yours,

Walter W. Hilton
Chief of Building Inspections

WWH/r

Enc. - Plan Review
Memo

cc: Lt. Collins
Chris Pachios

Imperial 624

PLAN REVIEW
CENTER CITY PLAZA

Covered Mall Section 432.C

$$\text{Occupancy Load} = 15,515 + 6729 = 741$$

Egress requirements

$$\text{Upper Level} = \frac{6729}{30} = \frac{224}{90} \text{ OL} = 2.5 \text{ stairs}$$

$$\frac{224}{150} = 1.5$$

$$\text{Stairs required} = 2.5 \times 22 = 55 \text{ inches}$$

$$\text{Stairs shown} = 66 + 66 + 48 = 180 \text{ inches}$$

$$\text{First Floor} = \frac{741}{90} = 8.5 \text{ stairs}$$

$$8.5 \times 22 = 187 \text{ inches}$$

$$\frac{741}{150} = 5 \text{ doors}$$

$$5 \times 22 = 110'' \text{ required}$$

$$276'' \text{ shown}$$

432.2.2 Tenant Separations: Each tenant shall be separated from adjoining tenants by a wall having a minimum one (1) hour fire resistance rating which shall extend from the floor to the underside of the ceiling. No separation is required between a tenant space and a mall.

432.2.3 Exitways: Exitways shall be provided in accordance with the following:

1. The maximum length of exitway access travel from any point within the mall to an approved exitway along the natural and unobstructed path of travel shall not exceed two hundred (200) feet.
9. Storage is prohibited in exitway corridors which are also used for service to the tenants. Such corridors shall be posted with conspicuous signs so stating.

432.2.8 Every covered mall building shall be provided with fire protection equipment as follows:

1. The covered mall and all buildings connected thereto shall be provided throughout with an approved fire suppression system. The suppression system in the covered mall shall be independent of the suppression systems in the buildings connected to the covered mall.

432.2.8 (continued)

2. All sprinkler control valves shall be electrically supervised and connected to either the fire department or to an approved supervisory service.
3. Fire department standpipe outlets shall be provided within the mall at each entrance to an exit passageway, corridor or enclosed stairway and at exterior exits.
4. First aid fire extinguishers shall be provided as required by the fire prevention code listed in Appendix

432.2.9 Fire emergency ventilating system: The covered mall and exitway corridors serving the mall shall be equipped with an approved automatic exhaust system capable of producing six (6) air changes per hour computed on volume measured to a height of twelve (12) feet above each pedestrian area. Necessary outside air to accomplish the six (6) air changes per hour shall be provided.

The exhaust system shall be activated by smoke detectors complying with the applicable standards listed in Appendix B, by operation of the sprinkler system, and manually. The activation system shall be installed in an approved manner. Exhaust shall be taken uniformly from the entire mall area and exitways serving the mall through an approved duct system with vents spaced not more than fifty (50) feet or through a ceiling plenum with uniformly distributed openings. Where tenant spaces are open to the mall area exhaust may be taken through the tenant spaces.

The approved automatic exhaust system may be a separate system or may be integrated with an approved air-conditioning system. Where a separate system is provided, operation of the fire emergency ventilating system shall automatically shut down the air-conditioning system or any other devices which interfere with the effective operation of the fire emergency ventilating system.

432.2.10 Fire department access to equipment: Controls for air-conditioning systems, sprinkler risers and valves, or other fire detection, suppression or control elements shall be accessible to and properly identified for use by the fire department.

432.2.11 Plastic panels and plastic signs: Within every story or level, and from side wall to side wall of each tenant, approved plastic panels and signs shall be limited as follows:

1. They shall not exceed twenty (20) per cent of the wall area facing the mall.
2. They shall not exceed a height of thirty-six (36) inches, except if the sign is vertical, the height shall not exceed ninety-six (96) inches and the width shall not exceed thirty-six (36) inches.
3. They shall be located a minimum distance of eighteen (18) inches from adjacent tenants.
4. All edges and the backs shall be fully encased in metal.

432.2.4 Mall width: The minimum width of the mall shall be twenty (20 feet.

There shall be a minimum of ten (10) feet clear exitway width to a height of eight (8) feet between any projection of a tenant space bordering the mall and the nearest kiosk, vending machine, bench, display opening, or other obstruction to egress travel.

The mall width shall be sufficient to accommodate the occupancy load emptying into the immediately adjacent mall as determined by Section 432.2.3 for all occupancies except assembly which shall be determined by Section 606.0. Does not meet this requirement

shows 15'-6" ±

12'-0"

only 8'-0" between projections and walls at planters

Walter W. Hilton



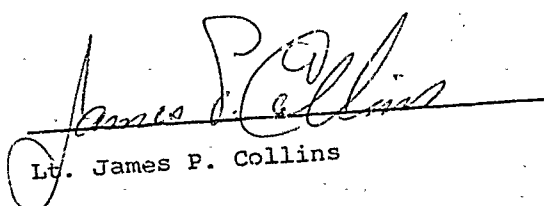
CITY OF PORTLAND, MAINE
MEMORANDUM

DATE: 12-11-79

TO: Mr. William Verge
FROM: Fire Prevention Bureau
SUBJECT: 510 Congress Street

Approval is hereby given for a building permit
from this Department subject to the following requirements/reasons:

- (1) Emergency lighting shall be installed throughout.
- (2) The sprinkler system shall comply with all state and local codes throughout the entire building. The sprinkler system shall be zoned and connected to horn and flashing light sounding devices placed throughout. This system shall have an annunciator panel at the primary entrance.
- (3) All areas of hazard shall be enclosed with construction having a fire rating of at least one hour.


Lt. James P. Collins

JPC/r

CITY OF PORTLAND, MAINE
MEMORANDUM

TO: Commercial & Industrial Properties, Inc.
FROM: Walter Hilton, Chief Building Inspector
SUBJECT: Amendment to Building Plans

DATE: 2-14-80

Your building plans for renovations of 510 Congress Street, the former Grants Building, have been revised to show the corridor used for egress purposes, serving the rear of the structure, moved from the westerly side to the easterly side with the same dimensions as shown on revised drawings.



APPLICATION FOR AMENDMENT TO PERMIT

Amendment No. #1
Portland, Maine, June 25, 1980

PERMIT ISSUED

JUN 27 1980

CITY of PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for amendment to Permit No 80-173, 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 510 Congress Street Within Fire Limits? Dist. No.
Owner's name and address Chris Pachios - Cape Elizabeth Telephone
Lessee's name and address Carroll Reed Ski Shop - same Telephone 603-356-3121
Contractor's name and address Telephone
Architect Plans filed No. of sheets
Proposed use of building store - clothing & equip No. families
Last use dept. store No. families
Increased cost of work 800.00 Additional fee 5.50

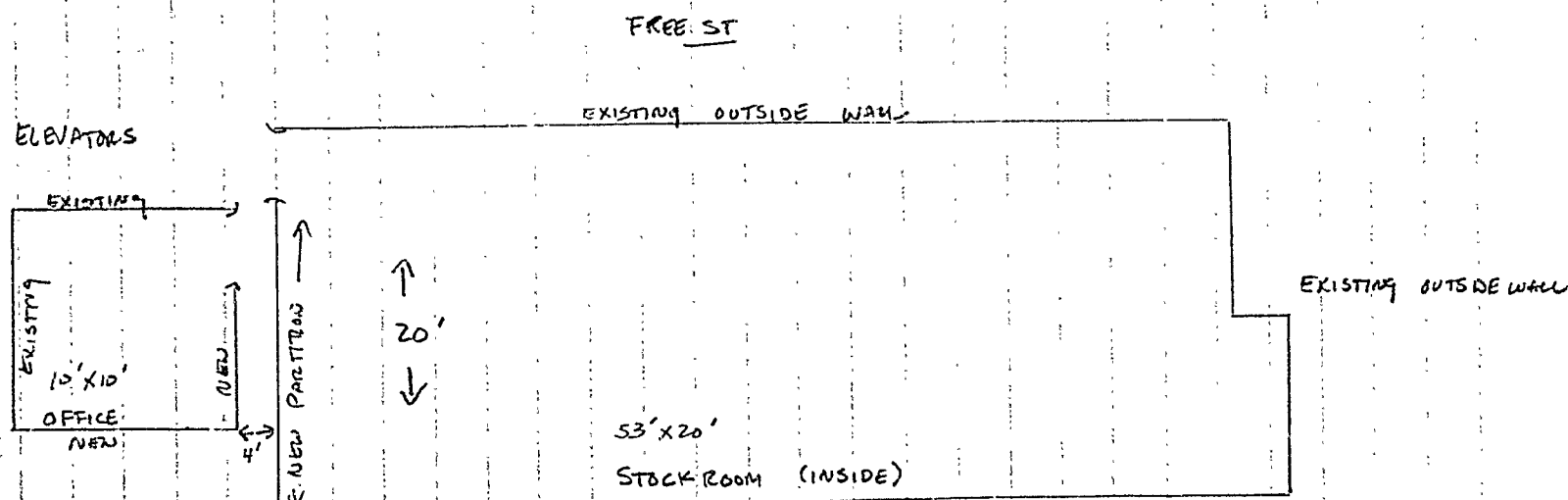
Description of Proposed Work

Amendment to Permit # 80-173, to do additional alterations to 1st floor of building, erecting partitions to be used to make space for storage of goods as per plans space also to include office area

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:
Signature of owner Thomas H. Hanel (pb)
Approved: Inspector of Buildings

INSPECTION COPY

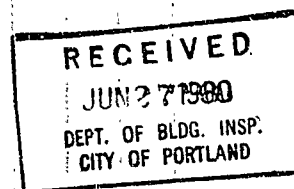


← 53' →

← NEW PARTITION →

2" X 4" X 10" STUDS (METAL)

5/8" FIRE BOARD DRYWALL (OUTSIDE OF STOCK ROOM)



CARROLL REED SHOP
STOCK ROOM - MEZZANINE
510 CONGRESS ST
PORTLAND



APPLICATION FOR PERMIT

PERMIT ISSUED

B.O.C.A. USE GROUP

B.O.C.A. TYPE OF CONSTRUCTION

00-173

April 10 1980

ZONING LOCATION B-3

PORTLAND, MAINE, Mar. 25, 1980

CITY of PORTLAND

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

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

LOCATION 510 Congress St.

1. Owner's name and address Chris Pachios

Fire District #1 ☐ #2 ☐

2. Lessee's name and address Carroll Reed Ski Shops Main St.

Telephone

603-356-3121

3. Contractor's name and address

North Conway, N.H.

Telephone

4. Architect

Specifications

Plans

No. of sheets

Proposed use of building store - clothing & equip.

No. families

Last use Grant store

No. families

Material

No. stories

Heat

Style of roof

Roofing

Other buildings on same lot

Estimated contractual cost \$ 25,000

Fee \$ 113.50

FIELD INSPECTOR—Mr.

GENERAL DESCRIPTION

ch of use 15.00

128.50

This application is for:

@ 775-5451

Dwelling

Ext. 234

Garage

Masonry Bldg.

Metal Bldg.

Alterations

Demolitions

Change of Use

Other

To change use from vacant building to clothing & equip. store with alterations as per plan, shop to be on first floor of building.

Stamp of Special Conditions

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

PERMIT IS TO BE ISSUED TO 1 ☐ 2 ☒ 3 ☐ 4 ☐

Other:

DETAILS OF NEW WORK

Is any plumbing involved in this work?

Is any electrical work involved in this work?

Is connection to be made to public sewer?

If not, what is proposed for sewage?

Has septic tank notice been sent?

Form notice sent?

Height average grade to top of plate

Height average grade to highest point of roof

Size, front

depth

No. stories

solid or filled land?

earth or rock?

Material of foundation

Thickness, top

bottom

cellar

Kind of roof

Rise per foot

Roof covering

No. of chimneys

Material of chimneys

of lining

Kind of heat

fuel

Framing Lumber—Kind

Dressed or full size?

Corner posts

Sills

Size Girder

Columns under girders

Size

Max. on centers

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

Joists and rafters:

1st floor

2nd

3rd

roof

On centers:

1st floor

2nd

3rd

roof

Maximum span:

1st floor

2nd

3rd

roof

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

height?

IF A GARAGE

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

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

APPROVALS BY:

DATE

MISCELLANEOUS

BUILDING INSPECTION—PLAN EXAMINER

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

ZONING:

O.R. Mac. 4/2/80

BUILDING CODE:

Fire Dept.:

St. James P. Collins

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

Health Dept.:

Others:

Signature of Applicant

Thomas Hazel

Phone #

Type Name of above

1 ☐ 2 ☐ 3 ☐ 4 ☐

Other

and Address

FIELD INSPECTOR'S COPY

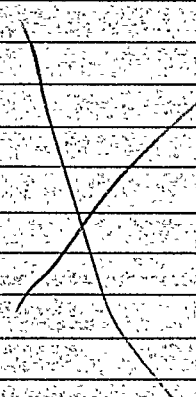
NOTES

Tom Hazel
Carol Reed
603-356-3121

see notes put on

79/1103

Permit No. 80/133
Location 5th Avenue St
Owner Clara M. Mueser
Date of Permit 3-25-80 use for
Approved V-10-8 Dto C. Mueser



NOTES

See notes on other permit

Permit No. 80/400

Location 570 Congress St.

Owner Harold Packman

Date of permit 6-11-80

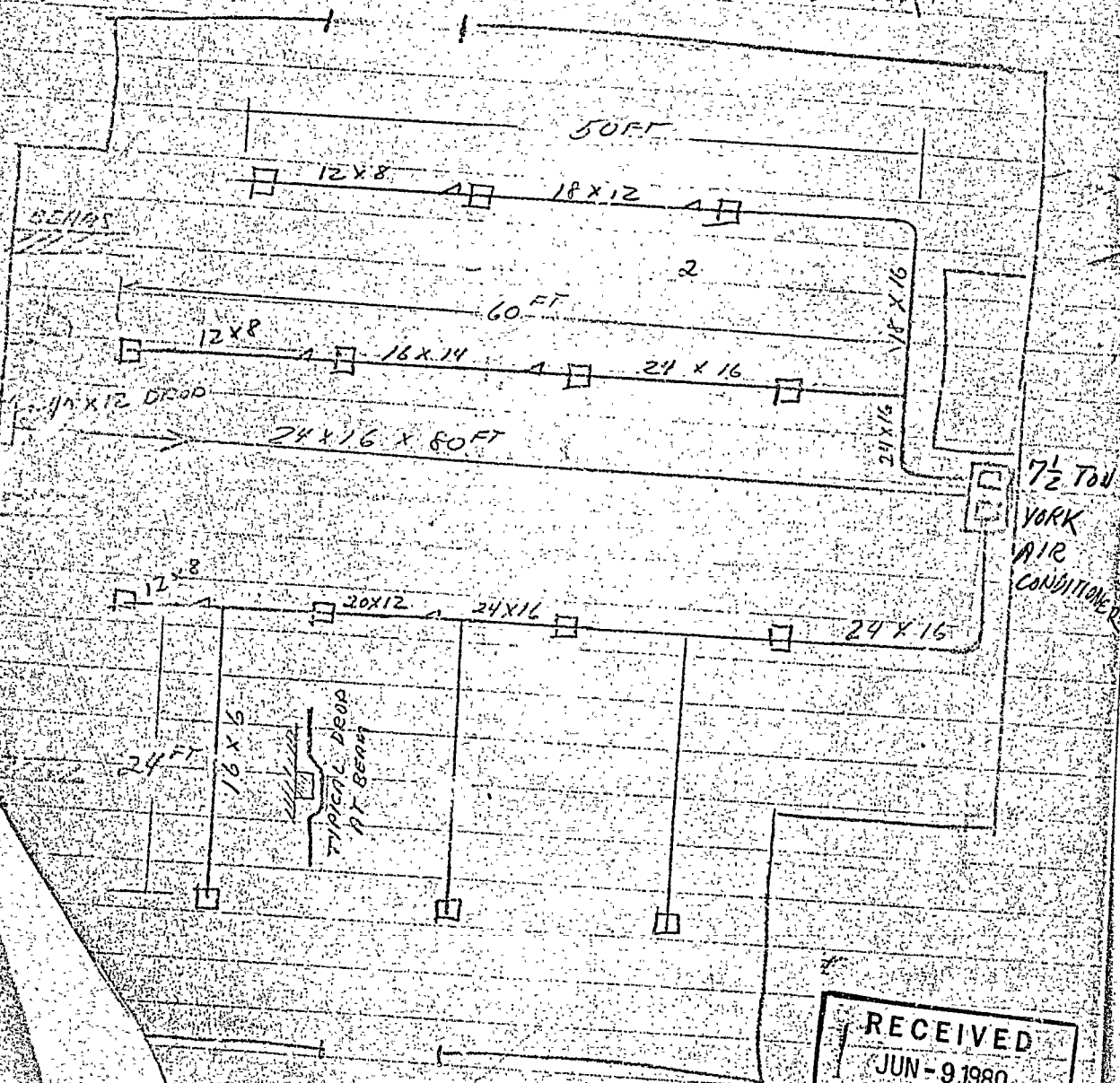
Approved A.E. Conditonig

SMITH METAL FABRICATION CO., INC.
50 DANFORTH STREET
PORTLAND, MAINE 04101

1-7-80
CARROLL Real 1st Floor

PLAN VIEW OF DUCTWORK

110 CONG STREET



SUPPLY DUCTS INSULATED

RECEIVED
JUN-9-1980
DEPT. OF BLDG. INSP.
CITY OF PORTLAND

SMITH METAL FABRICATION CO., INC.
50 DANFORTH STREET
PORTLAND, MAINE 04101

APPLICATION FOR PERMIT

PERMIT ISSUED

B.O.C.A. USE GROUP

B.O.C.A. TYPE OF CONSTRUCTION

LOCATION

PORTLAND, MAINE,

Sept. 25, 1980

SEP 30 1980

00 802

CITY of PORTLAND

FOR OF BUILDING & INSPECTION SERVICES, PORTLAND, MAINE

I, David A. & Margaret Carey San Clemente Ca.,
do hereby apply for a permit to erect, alter, repair, demolish, move or install the following building, struc-
ture or change use in accordance with the Laws of the State of Maine, the Portland B.O.C.A. Building Code and
ordinance of the City of Portland with plans and specifications, if any, submitted herewith and the following specifica-

500 Congress Street
Name and address
The Pavillion - leasing from Prop Mg.
Owner's name and address
Dahlgren Constr. - 20 US Rte. 1 Yarmouth
Specifications
Plans 04096
No. of sheets
No. families
No. families
Roofing
No. stories
Heat
Style of roof
Buildings on same lot
Estimated contractual cost \$ 30,000
Fire District #1 ☐ #2 ☐
Telephone
Telephone
Telephone 846-3505
No. of sheets
No. families
No. families
Roofing
Fee \$ 136.00

FIELD INSPECTOR—Mr. Marge

GENERAL DESCRIPTION

This application is for:

@ 775-5451

Ext. 234

Welling
Garage
Masonry Bldg.
Metal Bldg.
Alterations
Demolitions
Change of Use
Other

To make alterations to building
as per plans, 4 sheets of plans,
no structural changes.
Stamp of Special Conditions

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

PERMIT IS TO BE ISSUED TO 1 ☐ 2 ☐ 3 ☒ 4 ☐

Other:

DETAILS OF NEW WORK

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

IF A GARAGE

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

APPROVALS BY:

DATE

MISCELLANEOUS

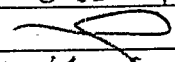
BUILDING INSPECTION PLAN EXAMINER
ZONING: *OK*
BUILDING CODE:
Fire Dept.:
Health Dept.:
Others:

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

Signature of Applicant *L.R. Dahlgren* Phone # same
Type Name of above Dahlgren Construction 1 ☐ 2 ☐ 3 ☒ 4 ☐
Other
and Address

FIELD INSPECTOR'S COPY

NOTES

10-28-80 No one working - very little
work done - 
11-17-80 Work completed - no
falls - no weight bearing changes - 

Approved

Date of permit 9-30-80

Owner The Paulsen

Location 502 Congress St

Permit No. 80/803

Altifications



APPLICATION FOR PERMIT TO ERECT
SIGN OVER PUBLIC SIDEWALK OR STREET

PERMIT ISSUED

DEC 4 1974

CITY of PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

Portland, Maine, Oct. 17, 1974

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

Location 500 Congress St.

Within Fire Limits?

Dist. No.

Owner of building to which sign is to be attached David A. Carey

Name and address of owner of sign CVS 500 Congress St.

Contractor's name and address Coyne Sign Co. 66 Cove St.

When does contractor's bond expire? Dec. 31, 1974

Telephone 772-4144

Information Concerning Building

No. stories 2

Material of wall to which sign is to be attached masonry

Details of Sign and Connections

Building owner's consent and agreement filed with application yes

Electric? yes Vertical dimension after erection 2'

Weight 60# lbs. Will there be any hollow spaces? yes Horizontal 4'

Material of frame Angle iron Any rigid frame? yes

No. rigid connections 2 No. advertising faces 2 material metal

No. through bolts 0 Are they fastened directly to frame of sign? yes

No. guys 1 material angle iron Location, top or bottom

Minimum clear height above sidewalk or street 11' Size 1 1/2 x 3/16

Maximum projection into street 4'

Signature of contractor

Fee \$ 5.80

INSPECTION COPY

26NINE OK 10/17/74 O.C. 22 11/2/74

Permit No. 24/1167 Nelson

Location 500 CONGRESS

Owner CVS

Date of permit 12/4/74

Sign Contractor

Final Insp.

NOTES

[Handwritten notes and signatures in the notes section, including a large 'X' and a signature.]

ROUTING SLIP FROM:
DEPARTMENT OF BUILDING AND INSPECTION SERVICE 167

ADDRESS 500 Congress ST
CVS

Date 12/3/74

FIRE DEPARTMENT

PLANNING BOARD ☒

RENEWAL

MAINE WAY

PUBLIC WORKS

HEALTH

OTHERS

PERMIT ISSUED

DEC 4 1974

CITY of PORTLAND

APPROVED

B. J. [Signature] 12/3/74

DISAPPROVED BY REASON OF:
(quote section of pertinent ordinance or other governing factors)

SPECIAL COMMENTS:

~~Plans~~ An improvement over previously submitted plans! This proposal is much more in scale and character with the building.

KEEP SECOND COPY AND RETURN ORIGINAL TO BUILDING & INSPECTIONS

500 Congress Street

October 24, 1974

Coyne Sign Co.
66 Cove Street

cc to: David A. Carey
500 Congress Street
cc to: CVS
500 Congress Street

Gentlemen,

This office is unable to approve the proposed sign at the above named location because "it protrudes a distance of 7'4" into the public right-of-way which does not comply with the maximum distance of 4' as established in Section C.211.2 and Section D.2.a of the Urban Renewal Plan for Mainway, Code R-213, June 30, 1971, as adopted by the City Council."

Any appeal to this disapproval should be made thru the Portland Renewal Authority as required by Section III of Exhibit B of the Mainway Urban Renewal Plan.

If you have any questions concerning the above, please contact Brian Nickerson of the Planning Board staff.

Very truly yours,

Earle S. Smith
Plan Examiner

ESS:mes

ROUTING SLIP FROM:
DEPARTMENT OF BUILDING AND INSPECTION SERVICES

ADDRESS 500 Congress St

Date 10/22/74

FIRE DEPARTMENT

PLANNING BOARD ☒

RENEWAL

MAINE WAY

PUBLIC WORKS

HEALTH

OTHERS

APPROVED

DISAPPROVED BY REASON OF:

Barbara M. Thompson 10/22/74
(quote section of pertinent ordinance or other governing factors)
Proposed sign protrudes a distance of 7'4" into the public right of way
which does not comply with the maximum distance of four (4) feet as established
in Section C.2.b.2) and Section D.2.a of the Urban Renewal Plan for MAINEWAY
Code R-213, June 30, 1971, as adopted by City Council.

SPECIAL COMMENTS:

Any appeal to this disapproval should be through the Portland Renewal Authority
as required by Section III of Exhibit B of the Mainway Urban Renewal Plan.

KEEP SECOND COPY AND RETURN ORIGINAL TO BUILDING & INSPECTIONS

CHECK LIST FOR SIGNS

Date - 12/11/88

Checked By

Location - 800 S. 1st St.

- ✓ Zone Location -
- Fire Zone - 2
- ✓ Sign & Review Committee - over 8" in least dimension - ✓
- Area of sign - 8' x 8'
- Area of existing signs -
- Material -
- Design -
- ✓ Facing adjoining Residence Zone -
- Flashing or Steady light -
- If on State road - check with State -

Attached Sign -

Height above level of roof -

Detached or pole sign -

- Height -
- Required yards (single pole OK - 2 poles a structure) 40" setback
- Corner clearance -
- Footing -
- Certificate of Design -

Projecting Sign -

- ✓ Clearance 10' - 11'
- ✓ Bonded - YES
- ✓ Height - 13'
- ✓ Written Consent - YES
- ✓ Projection over sidewalk (18" from curb) - OK

WRITTEN CONSENT AND AGREEMENT RELATING TO A CERTAIN SIGN PROPOSED
TO BE ERECTED PROJECTING OVER A PUBLIC SIDEWALK FROM THE
PREMISES AT 500 CONGRESS ST IN PORTLAND, MAINE

DAVID ARTHUR CARLEY being the owner of the premises at 500 CONGRESS ST. in Portland, Maine hereby gives consent to the erection of a certain sign owned by CVS projecting over the public sidewalk from said premises as described in application to the Inspector of Buildings of Portland, Maine for a permit to cover erection of said sign;

And in consideration of the issuance of said permit _____, owner of said premises, in event said sign shall cease to serve the purpose for which it was erected or shall become dangerous and in event the owner of said sign shall fail to remove said sign or make it permanently safe in case the sign still serves the purpose for which it was erected, hereby agrees for himself or itself, for his heirs, its successors, and his or its assigns, to completely remove said sign within ten days of notice from said Inspector of Buildings that said sign is in such condition and of order from him to remove it.

In Witness whereof, the owner of said premises has signed
this consent and agreement this 23rd
day of May 1977.

X Santhya Prasad
Witness

David J. Carey
Owner

CITY OF PORTLAND, MAINE

Application for Permit to Install Wires

Permit No. 1266
 Issued 4/18/74
 Portland, Maine Apr 18, 1974

To the City Electrician, Portland, Maine:

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

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

Owner's Name and Address Blue Rock Industries Tel. 854-2581
 Contractor's Name and Address Douglas Electric Tel. 642-3118

Location 500 Congress St Use of Building Stores Number of Stories 1

Number of Families 1 Apartments 0 Additions 0 Alterations 0

Description of Wiring: New Work Temporary Service for Construction Sign

Pipe 0 Cable 0 Metal Molding 0 BX Cable 0 Plug Molding (No. of feet) 0

No. Light Outlets 0 Plugs 0 Light Circuits 0 Plug Circuits 0

FIXTURES: No. 0 Fluor. or Strip Lighting (No. feet) 0 Size 0

SERVICE: Pipe 0 Cable 0 Underground 0 No. of Wires 0 Total No. Meters 0

METERS: Relocated 0 Added 0 H. P. 0 Amps 0 Volts 0 Starter 0

MOTORS: Number 0 Phase 0 H. P. 0 Amps 0 Volts 0 Starter 0

HEATING UNITS: Domestic (Oil) 0 No. Motors 0 Phase 0 H. P. 0

Commercial (Oil) 0 No. Motors 0 Phase 0 H. P. 0

Electric Heat (No. of Rooms) 0 Brand Feeds (Size and No.) 0

APPLIANCES: No. Ranges 0 Watts 0 Extra Cabinets or Panels 0

Elec. Heaters 0 Watts 0 Signs (No. Units) 0

Miscellaneous 0 Watts 0 Inspection 0

Transformers 0 Air Conditioners (No. Units) 0 19 0 Inspection 0

Will commence 1/02 19 74 Ready to cover in 0 19 74

Amount of Fee \$ 1.00 Signed Ben Douglas Lic # 2432

DO NOT WRITE BELOW THIS LINE

SERVICE 4-18-74 METER 3 GROUND 5

VISITS: 1 4-18-74 2 0 3 0 4 0 5 0 6 0

REMARKS: Service called in 7 0 8 0 9 0 10 0 11 0 12 0

INSPECTED BY R. Libby (OVER)

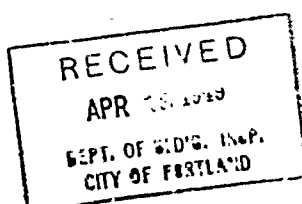
DONNELLY ELECTRIC & MFG. CO.
The Donnelly Way
OF ELECTRICAL ADVERTISING

COMMERCIAL SIGN
DIVISION

GARR SON 7-8000
35 PONTIAC STREET
BOSTON 19, MASS.

This is to certify that all of the shop welding on a certain
a
advertising sign to be erected over the public sidewalk for Markson's
at 500-504 Congress Street in Portland, Maine has been designed according
to the Code of the American Welding Society; and that the welding of all
joints in the shop has been performed by welders who individually qualified
themselves as individuals under the qualification procedure of the American
Welding Society not more than one year before the date of doing this
particular welding. It is understood that this blanket certification is
allowable only in the case of shop welding in a shop some distance from
Portland, and individual welders on field work must be individually
certified under the same procedure and qualification of the American
Welding Society at the Department of Building Inspection in Portland,
before the welding is done.

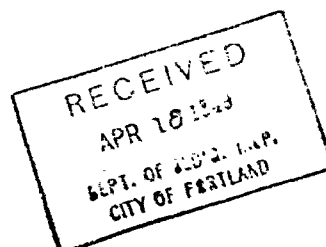
Stewart H. Presper
General Superintendent
Donnelly Electric & Mfg. Co.



*Call after 10:00 AM
and before 5:00 PM*

SUMNER SCHEIN, B.S., C.E.
Architect and Engineer
333 WASHINGTON STREET, BOSTON
LAFAYETTE 3-0123

April 16, 1949



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

Dear Mr. McDonald:

Re: Sign - Markson Store, Portland, Maine

In answer to your letter of April 14, 1949, addressed to Mr. John E. Miller of the Donnelly Elec. & Mfg. Co., a copy of which was forwarded to this office, please be advised that the affidavit which I filed in connection with the construction of the above building was intended to cover the fastening for the sign; I believe it does so cover the said fastening.

I believe that these fastenings are adequate to fully and safely support the sign which it is now proposed to install at the said building.

Very truly yours,

William Wald
William Wald

WW:1



APPLICATION FOR PERMIT TO ERECT
SIGN OVER PUBLIC SIDEWALK OR STREET

PERMIT ISSUED
00493
Permit No. 211 1012

Portland, Maine, April 11 19 49

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

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

Location 500-504 Congress Street Within Fire Limits? ☒ yes Dist. No. 1

Owner of building to which sign is to be attached Markson's

Name and address of owner of sign Markson's Department Store, 504 Congress Street

Contractor's name and address John Donnelly & Sons, 273 Main St., So. Portland Telephone 2-0050

When does contractor's bond expire? January 1949 4/15/49 O.R. O.R.

Information Concerning Building

No. stories 2 Material of wall to which sign is to be attached masonry

Details of Sign and Connections

Electric? ☒ yes Vertical dimension after erection 40" Horizontal 3'6"

Weight 2400 lbs., Will there be any hollow spaces? ☒ yes ☒ no Any rigid frame? ☒ yes

Material of frame ~~Aluminum~~ iron No. advertising faces 2 material porcelain sheet metal

No. rigid connections 2 Are they fastened directly to frame of sign? ☒ yes

No. through bolts 2 Steel in sign bolted to steel in building Location, top or bottom as per plan

No. guys none material Size

Minimum clear height above sidewalk or street 14'

Maximum projection into street 3'6"

By John Donnelly & Sons Fee \$ 1.00

Signature of contractor By: James J. Donnelly

INSPECTION COPY

Permit No. 49/495
Location 500-594 Congress St.
Owner Markkanen
Date of permit 4/20/49
Sign Contractor
Final Inspn. 4/27/49

NOTES

4/19/49. Sh. from 1st (truck in
pit) c.k.

500-504 Congress Street
(Projecting sign for Markson's)-1

April 14, 1934

Mr. John A. Miller
Construction Engineer
Donnelly Electric & Manufacturing Company
35 Front Street
Boston, Massachusetts

Subject: Application for building permit
for projecting sign for Markson's at
500-504 Congress Street in Portland

Dear Sir:

I appreciate the receipt of the design calculations which you sent by way of the local office of John Donnelly & Sons, but we need the signed statement of design called for by Section 104-b-3 of the Building Code to attach to the design plans, not only covering the design of the sign itself, but also the design of supports already in the new building or to be added. For your convenience I am enclosing a couple of blank statements of design for you to sign, defining the limits of the work for which you are responsible. We only need to have one of the statements returned to be attached to your design plan.

I presume that Sumner Schain architect for the building is the designer of the supporting beams which have been built into the building frame. I have talked with Mr. Laid about this general matter, and I am giving him a copy of this letter requesting that he advise us that he has full knowledge of the extent of this large sign and that the design of the supporting beams now built into the building is included under his statement of design for the main structure.

I understand that Markson's is aiming for a very early opening date, perhaps next week. No doubt, we desire to have the sign all erected and in operation by that opening date, and we intend to help them as far as possible to that end. Of course this matter of the sign has been let go too long, the application having been filed here on April 11, but perhaps the matter can be worked out; not unless everyone concerned performs quickly, however.

From casual examination of the plan I note some welding. All welding of joints where rationally determined stress and strain may be present must be done by welders certified according to the procedure of the American Welding Society (that is the only procedure that will do) less than one year before the welding is done. In case of shop welding on this comparatively light steel the matter of certification of the welders may be taken care of by a written statement from a responsible officer of your company to the effect that all of the shop welding has been designed in accordance with the Code of the American Welding Society and that all shop welding has been performed according to the procedure and by welders qualified under the qualification procedure established by the American Welding Society, and that each individual shop welder so engaged was so qualified by tests less than one year before the welding was done. If shop welding is involved, please have some authorized official furnish this written statement immediately, taking care to include everything as indicated above.

I suggest the following statement: "This is to certify that all of the shop welding on a certain advertising sign to be erected over the public sidewalk for Markson's at 500-504 Congress Street in Portland, Maine has been designed according to the Code of the American Welding Society; and that the welding of all joints in the shop has been performed by welders who have individually qualified themselves as individuals under the qualification procedure of the American Welding Society not more than one year before the date of doing this particular welding. It is understood that this blanket certification is allowable only in the case of shop

Mr. John E. Miller, Construction Engineer—2

April 14, 1949

welding in a shop some distance from Portland, and individual welders on field work must be individually certified under the same procedure and qualification of the American Welding Society at the Department of Building Inspection in Portland, before the welding is done."

In event any field welding is to take place, each welder so engaged must first have been certified here as being qualified under the qualification procedure of the American Welding Society, and no other qualification procedure will do. In view of the shortness of the time with which the owner is confronted, if there is any field welding, I suggest that you have it done by one of the few individual welders who are already certified at this department.

This sign is so long that it will have to come down here in sections. This enters some complications because inspection of the interior is required upon notice to this office before the sign can lawfully be erected. We shall try to accommodate you as much as possible in this connection, but you must give us reasonable notice of the location of the sign at least a day before you expect to have the sign inspected, seeing to it that the sign will be available for inspection during the working hours of our inspector.

Very truly yours,

Inspector of Buildings

WME/C

CC: John Donnelly & Sons
Attn: Mr. James J. Qualey
73 Main Street
South Portland, Maine

Mr. Sumner Schlein
Attn: Mr. Wald
333 Washington Street
Boston, Massachusetts

Dear Mr. Wald:

Will you be kind enough to write to me the above assurance as to the supports of the sign built into the building being included under your statement of design for the building itself, and that the supports as provided are fully adequate to take the sign now proposed.

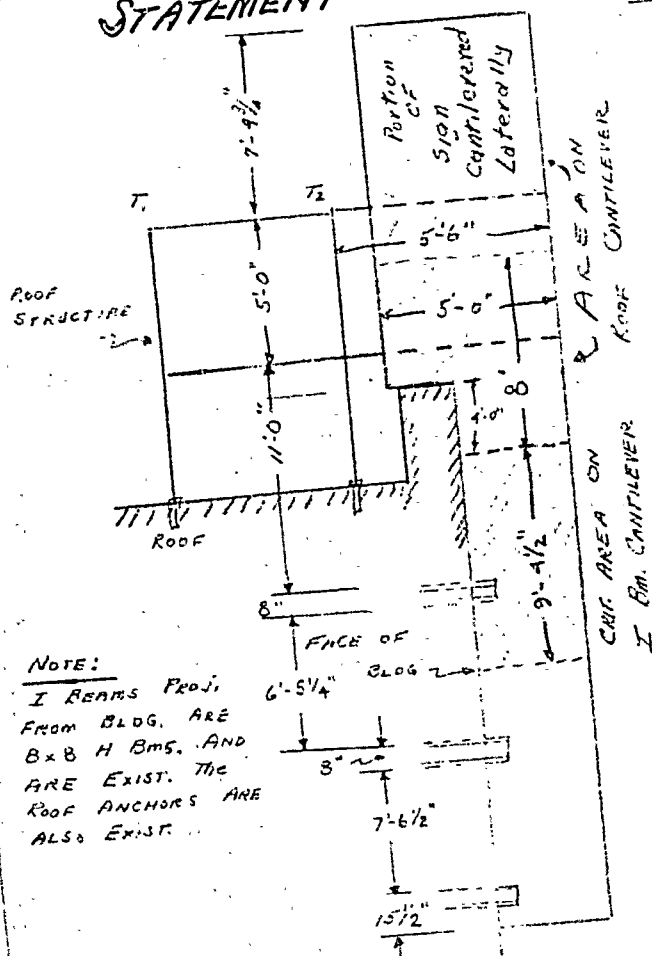
Warren McDonald

SHEET 1

Bldg. Inspector

VERTICAL SIGN FOR MARKSING DEPT. OF BLD'G. INSPECTION
PORTLAND, ME APRIL 5-1949

STATEMENT OF DESIGN



NOTE:

I BEAMS PROJ. FROM BLDG. ARE 8x8 H BMS. AND ARE EXIST. THE ROOF ANCHORS ARE ALSO EXIST.

4-20-49.

Note - see outrigger details with note of change of construction. Framing Plan Sheet 8. This covers outrigger to frame of Bldg.

NOTE:

There are 5 Pts. of Support From Which the SIGN IS cantilevered. Three of these are the three I bms. proj. from wall, the other two are the cantilevered members from the roof structure.

NOTE:

ALL The Structural members are designed on the basis of a 30 p.s.f. Wind Pressure. And a 1/3 increase in the allowable stress of those stresses created by wind effect only. The basic allowable stress used is 20,000 p.s.f. With a 1/3 increase in the allowable it will be 26,600 p.s.f.

NOTE:

SIGN DESIGNED & BUILT ON These CALCULATIONS AS SHOWN ON DWG. E-1387 Sheet 1 & 2

Commonwealth of Mass.
Registered Prof. Engineer
Certificate 9497
John E. Miller

RECEIVED

APR 13 1949

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

49-495

SHEET II

VERTICAL SIGN

For MARKSON'S Portland ME.

April 6-1949

I. DESIGN FOR DEAD WT. OF SIGN.

Assume the dead wt. will be distributed on all 5 supports equally.

Dead Wt. Sign.

$$Area = 40 \times 3.5 = 140$$

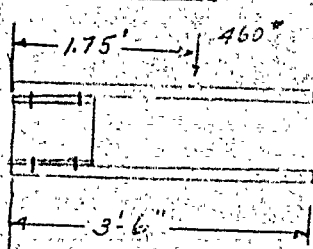
$$13.3 \times 1.5 = 19.95$$

$$159.95 \text{ call } 160 \text{ sq. ft. @ } 14 \# / \text{sq. ft.}$$

$$\text{Tot Dead Wt.} = 14(160) = 2240 \# \text{ call } 2300 \#$$

$$\text{On 5 supports } \frac{2300}{5} = 460 \# \text{ EACH Support.}$$

On Proj. I bms.



Try 4-2x2x1/4x5

$$\text{C.G. of G. Mom} = 460(1.75) = 805 \text{ ft} \cdot \text{lb}$$

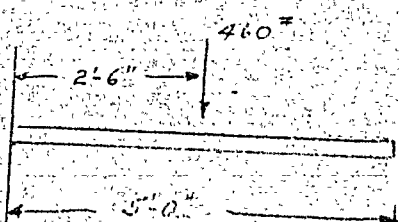
$$4-2 \times 2 \times 1/4 \times 5 \quad \text{SEC. REQ.} = \frac{805 \times 12}{20,000} = .483 \text{ in}^3$$

$$\text{SEC. OF } 4-2 \times 2 \times 1/4 \times 5 = 1.00 \text{ in}^3$$

O.K.

This conn. similar for three bottom conn.

DESIGN OF TWO Upper Conn.



Try 4" Std. Pipe

$$\text{C.G. of G. Mom} = 460(2.5) = 1150 \text{ ft} \cdot \text{lb}$$

$$\text{SEC. REQ.} = \frac{1150 \times 12}{20,000} = .693 \text{ in}^3$$

$$\text{Sec of 4" Std. pipe} = 3.214 \text{ in}^3 \text{ O.K.}$$

49-495

Sheet - III

Vertical Sign for MARKSON'S
Portland ME.

April - 6 - 1949

DESIGN for Wind.

For the three cantilevered bolt conn. design will be for the one supporting the max. area of sign

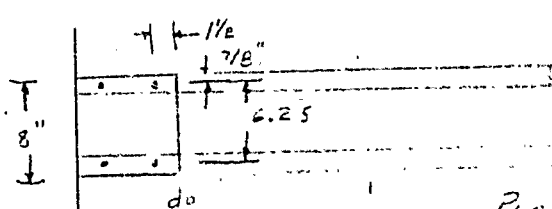
$$\text{Area} \times \text{Wind Pressure} \times \text{Moment Arm (to Center of Pressure)} = \text{Mom. (ft}^{\#}\text{)}$$

$$(9.33 \times 3.5) \times (30) \times (1.75) = 1713 \text{ ft}^{\#}$$

$$\text{Sec. REQ.} = \frac{1713 \times 12}{26,600} = .775 \text{ in}^3 \quad \text{Sec. AVAIL.} = 4 \times 2 \times 2 \times \frac{1}{4} \times \frac{1}{4} = 1.00 \text{ in}^3 \quad \underline{\text{O.K.}}$$

BOLTS OF ABOVE CONN

$$\text{Mom. (From Above)} = 1713 \text{ ft}^{\#}$$



PLAN VIEW

$$\frac{1713 \times 12}{6.25} = 3290 \text{ in}^{\#} \quad \text{BOLTS}$$



side VIEW

Use 8- 5/8" φ Bolts

4/3290
822 # each bolt
1- 5/8" EOLT Good for 3070 #
IN SINGLE SHEAR
O.K.

UPPER CANTILEVERED MEMBERS

Lower Pipe

$$\text{AREA} \times \text{W.P.} \times \text{Mom. Arm} = \text{Mom.}$$

$$4 \times 3.5 = 14.0 \quad + \quad 4 \times 5 = 20 \quad \frac{20}{39} \times 30 \times 2.75 = 2700 \text{ ft}^{\#} \quad \text{TRY 4" STD. PIPE.}$$

$$\text{Sec. REQ. D} = \frac{2700 \times 12}{26,600} = 1.22 \text{ in}^3 \quad \text{Sec. AVAIL.} = 3.214 \text{ in}^3$$

O.K.

49-1195

April 7-1943

$$\text{Area} \times \text{W.P.} \times \text{Mom. Arm} = \text{Mom.}$$

$$(9.75 \times 5) \times (30) \times 2.75 = 4020 \text{ ft}^3 \quad \text{TRV 4" Std. Pipe}$$

Sec. Reg'd = $\frac{4020 \times 12}{26,600} = 1.82 \text{ in}^3$ Sec. Avail 3.214 in^3 O.K.

Diagram illustrating a frame structure with dimensions and loads:

- Horizontal dimensions:
 - Span: 4' 4"
 - Distance from right end to wall: 2.75'
 - Distance from left end to wall: 5' 0"
- Vertical dimensions:
 - Height of the frame: 6"
- Loads and Forces:
 - WIND PRESS. @ C.O.F. P. (Wind Pressure at Center of Pressure)
 - RIGHT (Direction of wind pressure)
 - LEFT WIND (Direction of wind pressure)
 - WALL (Location of the wall)
 - Couple (Applied moment)
 - Reaction forces: T_1 and T_2

Mom @ Upper Pipe = 4020 ft²
 $\frac{4020}{4} = \text{Couple} = 1010^{\text{ft}}$
 Mom @ Lower Pipe = 2700 ft²
 $\frac{2700}{4} = \text{couple} = 675^{\text{ft}}$

Mom. due to Wt. = 1150' #

$$\frac{1150}{4} = 287.5^{\#} \text{ call } 288^{\#}$$

44-495

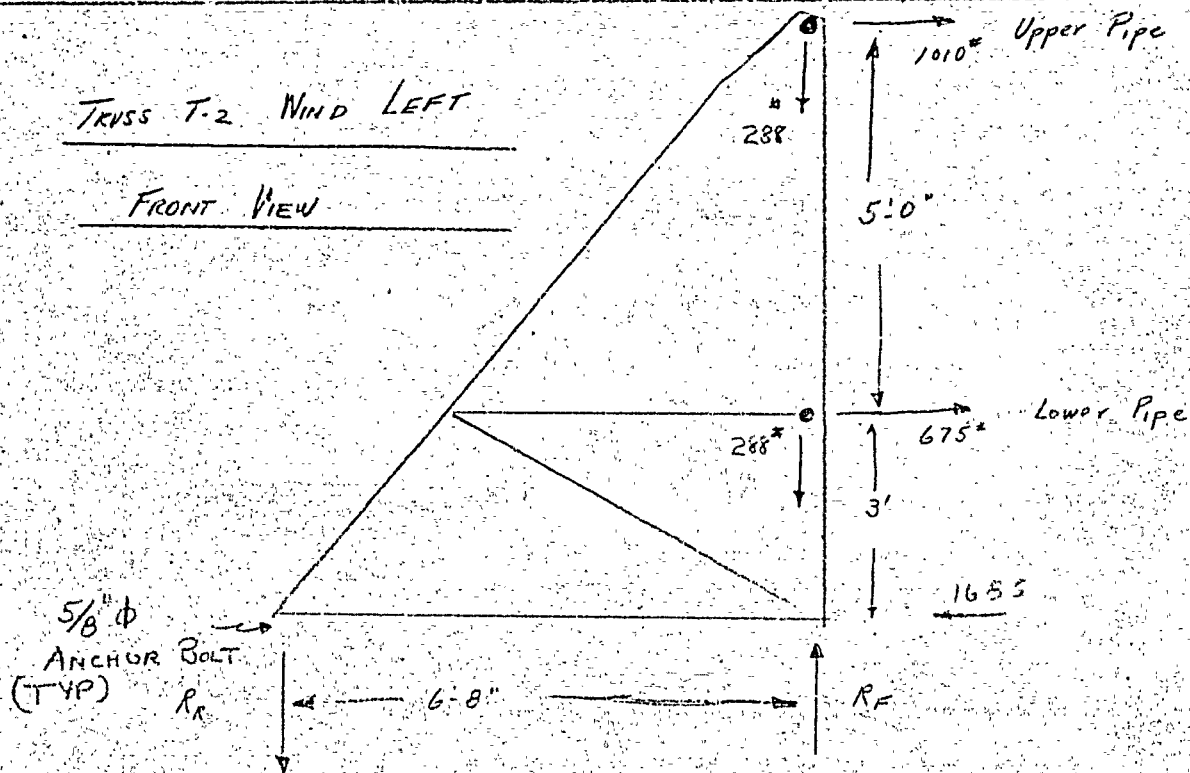
Sheet II

Vertical Sign for ALARKSON'S @ Portland - Me.

April 7-1949

TRUSS T-2 WIND LEFT

FRONT VIEW



$$\Sigma M @ R_R = 288(6.67) + 675(3) + 1010(8) = 14,995 \text{ ft}^{\#}$$

ACTIONS ON ROOF

$$R_F = \frac{14,995}{6.67} = 2240^{\#} \downarrow \quad R_R = 1664^{\#} \uparrow$$

WIND RT.

$$\Sigma M @ R_R = 288(6.67) 2 = 3840^{\#} \quad 675(3) + (1010(8)) = 10,105$$

$$\underline{\quad 3840 \quad}$$

$$6265$$

ACTIONS ON ROOF

$$R_F = \frac{6265}{6.67} = 940^{\#} \uparrow \quad R_R = 1518^{\#} \downarrow$$

MAX UPLIFT = 1664# TENS. ON 5/8" BOLT ANCHOR

5/8" BOLT Good for 6,150# @ 20,000 p.s.i.

TOTAL SHEAR = 1685# 2-5/8" BOLTS Good for 6,140#

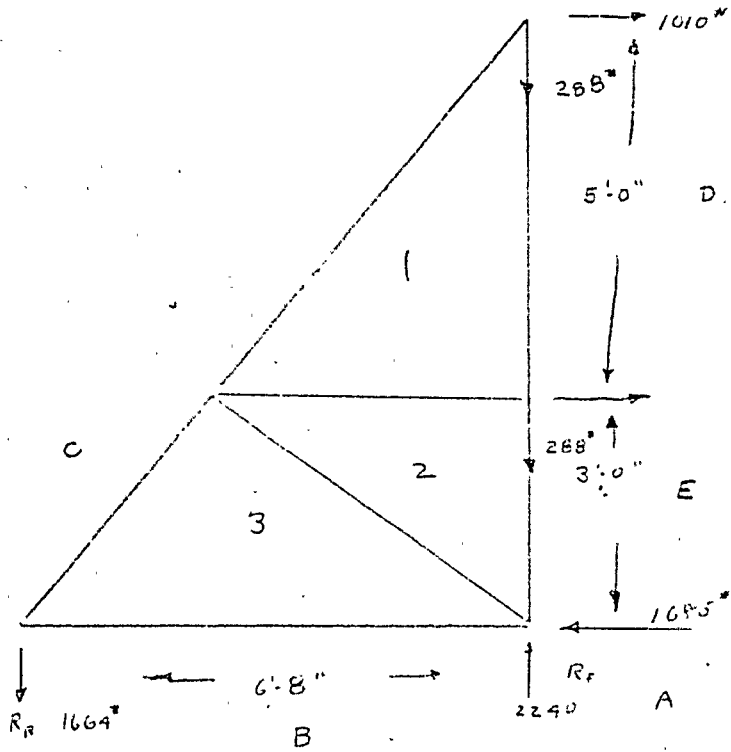
49,495
O.K.

O.K.

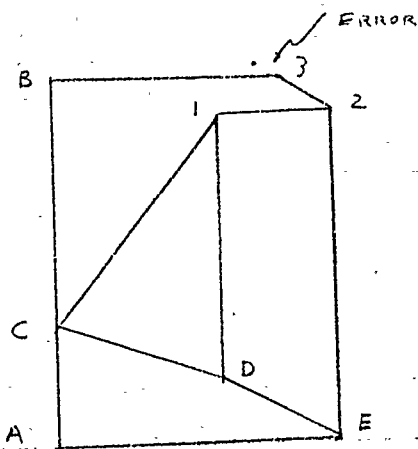
O.K.

Sheet ID

Vertical Sign for Markson's
 @ Portland ME. April - 7-1949



Schematic. $\frac{1}{2}'' = 1'-0''$ LOADS IN #



Stress diagram $1'' = 1000''$

OK

Assume	Mem.	Length	r	$\frac{d}{4}$	Allow Stress	Area	Load	Act. Stress
3x3x1/4	D-1	60"	.59	102	11,407	1.44	1,700#	1180 p.s.i.
3x3x1/4	E-2	36"	.59	61	14,716	1.44	2,100#	1460
2x2x1/4	1-2	48"	.39	122	18,553	.74	700	744
2x2x1/4	2-3	58"	.39	148	8,119	.74	500	531
3x3x1/4	B-3	72"	.59	122	9,853	1.44	1,500	1040
3x3x1/4	C-3	46"	.59	78	13,453	1.44	2,100#	1460
3x3x1/4	C-1	72"	.59	122	9,853	1.44	1,700#	1180 p.s.i.

ROUTE	DATE	2-24/49
	J. J. Cunningham, Sr.	
	A. J. Gillen	
	G. P. Fallon	
	J. J. Cunningham, Jr.	
	E. H. Corcoran	
	W. H. Gill	

Martin Fireproofing Corporation

P. O. BOX 27 - KENMORE STA.

Buffalo 17, N.Y.

February 23, 1949

RECEIVED

FEB 23 1949

DEPT. OF WELDG. INSP.
CITY OF PORTLAND

F. W. Cunningham & Sons
181 State Street,
Portland 3, Maine

Att: Mr. Thomas P. Fallon
Engineer

Re: Enterprise Realty Co.
Portland, Maine
Our Contract 1594

Gentlemen:

We have your letter of February 7, attaching a copy of a letter from your Inspector of Buildings.

We are mailing separately duplicate prints of our drawings numbers 1 and 2, together with prints of the engineering calculations for this type roof deck.

These calculations for bending moment are of course at the midpoint of the slab between subpurlins. You will note that the determining factor is the resisting moment of the steel reinforcement. Figuring a moment factor of only 1/8th, and a 2'-10" centering on the subpurlins, the allowable load according to the standards of the gypsum industry would then be 70 lbs. per square foot. So, you will concede that our design is on the conservative side. And, in practice, since the forms deflect approximately 3/8" to 1/2", the effective depth is still better than the theoretical calculation. In the industry, the slab is diminished in thickness over the subpurlin to compensate for this, and keep our average volume and therefore dead load uniform.

Finally, regarding freezing, the slab will not freeze to the point of structural unsoundness if poured in temperatures in which the workmen can function. Actually the deck sets up in about fifteen minutes, and gives off considerable heat in the process, so much so that you can see the steam rising from the slab. When the slab cools off, any water not used up in the crystallizing process could freeze, but due to the nature of the gypsum slab this water is so uniformly distributed in the form of almost invisible voids that there is no harm done.

Thanking you, we are

Very truly yours,

MANUFACTURERS OF

Fireproofing

MASONRY SAW DPM/b

cc Boston

MARTIN FIREPROOFING CORPORATION

D. P. Moylan
D. P. Moylan

JOHN J. CUNNINGHAM
PRESIDENT
ARTHUR J. CULLINAN
TREASURER

F. W. CUNNINGHAM & SONS
INCORPORATED 1908

... CONTRACTORS ...

PINE STATE BUILDING 181 STATE STREET
PORTLAND 3, MAINE

WILLIAM H. GILL
VICE-PRESIDENT
THOMAS P. FALLONA
ENGINEER

February 24, 1949

Subject: Pour Gypsum Roof Slab
For Enterprise Stores
Building - 504 Congress St.
Portland, Maine

City of Portland, Maine
Department of Building Inspector
396 Congress Street
Portland, Maine

Gentlemen:

We are enclosing plans and details
together with supporting calculations and data
and the effect of freezing for a gypsum pyro-
filled roof deck on the above building, as re-
quested in your letter of February 5, 1949.

RECEIVED

FEB 26 1949

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

Yours very truly,

F. W. CUNNINGHAM & SONS

Thomas P. Fallona
Thomas P. Fallona
Engineer

TPF:jm
Enclosure

Stress Calculations for a 2-1/2" Sheetrock-Pyrofill Gypsum Roof Slab.

Properties of the slab based on Reinforced Concrete Formulae:

Assumptions:

Allowable steel stress $f_s = 20,000$ lbs. per sq. in.
 Allowable Pyrofill stress $f_g = 125$ " " "
 Modulus of elasticity of steel $E_s = 30,000,000$
 Modulus of elasticity of Pyrofill $E_g = 200,000$
 Ratio of $E_s/E_g = n = \frac{30,000,000}{200,000} = 150$
 Total slab thickness (including SR) $= 2-1/2"$
 Effective depth of slab $d = 2-1/2" - 5/8" = 1-7/8" = 1.875"$
 Reinforcing $= \#12$ ga. wires spaced 4" on centers
 Area of one reinforcing wire $= .00874$ sq. ins

Calculations for one foot width of slab:

Area of steel $= A_s = 3 \times .00874 = .02622$ sq. inches
 Ratio of steel to effective Pyrofill $= p = \frac{A_s}{bd} = \frac{.02622}{12 \times 1.875} = .001165$

$\sqrt{n} = \sqrt{150} = 12.247$
 $k = \sqrt{2 p n + p^2} + p = \sqrt{2 \times .001165 \times 150 + .001165^2} + .001165 = .17475$
 $kd = .442 \times 1.875 = .82975$
 $j = 1 - \frac{k}{3} = 1 - \frac{.442}{3} = .8527$
 $jd = .8527 \times 1.875 = 1.599$

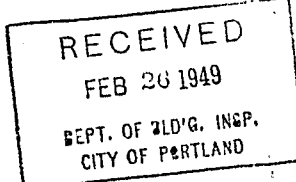
✓ Maximum resisting moment based on steel $= M_s = A_s f_s jd = .02622 \times 20,000 \times 1.599 = 838$ inch lbs.
 ✓ Maximum resisting moment based on Pyrofill $= M_g = \frac{f_g j k b d^2}{2} = \frac{125 \times .8527 \times .442 \times 12 \times 1.875^2}{2} = 994$ inch lbs.

The effective strength of the slab is based on the least resisting moment. In this case the strength of the slab is governed by the reinforcing steel and has a maximum resisting moment of 838 inch lbs.

The maximum allowable load (w) based on bending moment of $M = \frac{1}{10} w L^2$ is equal to $\frac{10M}{L^2}$

For steel sub-purlins spaced 2'8-5/8" on centers
 $w = \frac{10 \times 838}{2.72^2} = 94\#$ per sq.ft.

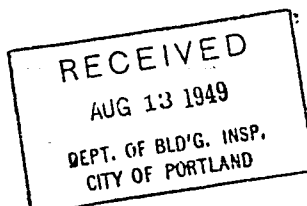
✓ Based on bending moment $M = \frac{1}{8} w L^2$ at midpoint between subpurlins:
 $w = \frac{8 \times 838}{2.72 \times 2.72 \times 12} = 75$ lbs. per sq.ft.



Enterprise Stores, Inc.
1479 HANCOCK STREET
QUINCY, MASS.

August 12, 1949.

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



Dear Sir:

In reply to your letter of August 8th, approval for the type of looks that will comply with your building code, was given to Mr. Sumner Schein sometime in June. I am quite sure if this information did not reach you, it is an oversight, which will be straightened out when Mr. Sumner Schein returns from his vacation.

I am sorry if there is any misunderstanding, and want to assure you of our intention to abide by your code, and cooperate with you in every possible way. We might take an occasion and defer with you on some points that interfere with the operation of our store, but it is not our intention to infringe on any rules.

Yours truly,

B. Rubinovitz
ENTERPRISE STORES INC.
B. Rubinovitz.

BR/c

SUMNER SCHEIN, B.S., C.E.
Architect and Engineer
333 WASHINGTON STREET, BOSTON
LAFAYETTE 3-0123

August 13, 1949

RECEIVED

AUG 15 1949

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

Mr. Warren McDonald
Building Inspector
City Hall
Portland, Maine

Re: Enterprise Store
Portland, Maine

Dear Mr. McDonald:

I am herewith enclosing typical end connection detail
and computations where one beam of greater depth frames
over column and picks up beam of shallower depth.

Very truly yours,

William Wald

William Wald

WW:1

Enc.

SUMNER SCHEIN
ARCHITECT AND ENGINEER
333 WASHINGTON ST., BOSTON

PREPARED
CHECKED

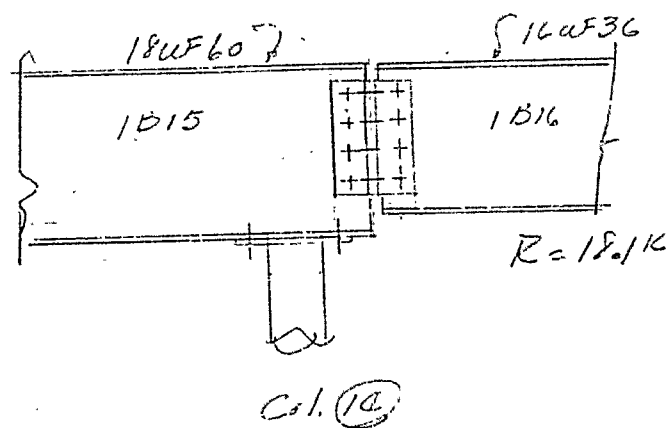
DATE
DATE

PORTLAND
ENTERPRISE

JOB NO.

SHEET NO.

OF



$4 \times 3\frac{1}{2} \times \frac{3}{8}$ JL
 $\frac{7}{8}$ " Bolts

web 16 WF36 = $\frac{5}{16}$ "
Allow. Bearing of $\frac{7}{8}$ " Bolt on $\frac{5}{16}$ " web = 6.84 k/bolt
 $6.84 \times 4 = 27.36 \text{ k} > 18.1 \text{ k}$

(AISC)
page 271

Connection OK

RECEIVED
AUG 15 1949
DEPT. OF BLD'G. INSP.
CITY OF PORTLAND



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR
HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, February 23, 1949

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location 502 Congress Street Use of Building Store No. Stories 3 New Building XXXXXX
Name and address of owner of appliance Enterprise Stores
Installer's name and address Ballard Oil & Equipment Co. Telephone 2-1991

General Description of Work

To install One Fully Automatic Oil Burner under Steam Boiler

IF HEATER, OR POWER BOILER

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

IF OIL BURNER

Name and type of burner Esso EC-2 Labelled by underwriter's laboratories? Yes
Will operator be always in attendance? no Does oil supply line feed from top or bottom of tank? Bottom
Type of floor beneath burner Cement
Location of oil storage Basement Number and capacity of tanks 2 - 275
If two 275-gallon tanks, will three-way valve be provided? yes
Will all tanks be more than five feet from any flame? yes How many tanks fire proofed? none
Total capacity of any existing storage tanks for furnace burners _____

IF COOKING APPLIANCE

Location of appliance _____ Kind of fuel _____ Type of floor beneath appliance _____
If wood, how protected? _____
Minimum distance to wood or combustible material from top of appliance _____
From front of appliance _____ From sides and back _____ From top of 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

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

APPROVED:

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

RECEIVED
FEB 25 1949
DEPT. OF BLD'G. INSP.
CITY OF PORTLAND

FILE COPY

Signature of Installer

Ballard Oil
Equipt Co.

Permit No. 49/

Location 502 Congress St.

Owner Enterprise Stores

Date of permit

Approved

NOTES

Referred
4/13/49
(Duplicate)



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR
HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, 12/31/48

PERMIT ISSUED

00041

JAN 10 1949

CITY of PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location 580-590 Commercial Use of Building Stores No. Stories 3 New Building ☒ Existing ☐
Name and address of owner of appliance Esso Gas Station Inc.
Installer's name and address Ballou's Oil Equipment Co. Telephone 2-7991

General Description of Work

To install 1 Esso EC-2 Automatic Oil Burner - 2-27 1/2 Tanks

IF HEATER, OR POWER BOILER

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

IF OIL BURNER

Name and type of burner Esso EC-2 Labelled by underwriter's laboratories? yes
Will operator be always in attendance? yes Does oil supply line feed from top or bottom of tank? top
Type of floor beneath burner concrete
Location of oil storage Basement Number and capacity of tanks 2-27 1/2
If two 275-gallon tanks, will three-way valve be provided? yes
Will all tanks be more than five feet from any flame? yes How many tanks fire proofed? none
Total capacity of any existing storage tanks for furnace burners none

IF COOKING APPLIANCE

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

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

This burner is for small heating boiler in front section of building and heat washer in back store
One-half of application - see attached application

Amount of fee enclosed? 2.50 (\$1.00 for one heater, etc.; 50 cents additional for each additional heater, etc., in same building at same time.)

APPROVED:

1-7-49 ase.

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

Ballou's Oil Equipment Co.

INSPECTION COPY



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR
HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, Dec 3/48

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 500-501 Congress St Use of Building Stores No. Stories 3rd New Building ☒ Existing ☐
Name and address of owner of appliance Enterprise Stores Inc
Installer's name and address Ballard Oil & Equipment Co Telephone 2-1991

General Description of Work

To install 1-EP- Enterprise Fully Automatic Burner #5 Oil

IF HEATER, OR POWER BOILER

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

IF OIL BURNER

Name and type of burner Enterprise EP-2 Labelled by underwriter's laboratories? yes
Will operator be always in attendance? no Does oil supply line feed from top or bottom of tank? top
Type of floor beneath burner concrete (burner hangs on front of boiler)
Location of oil storage Beneath floor Number and capacity of tanks 1 3000
If two 275-gallon tanks, will three-way valve be provided? _____
Will all tanks be more than five feet from any flame? yes How many tanks fire proofed? 1 Buried
Total capacity of any existing storage tanks for furnace burners none

IF COOKING APPLIANCE

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

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

Permit for tank issued 9/13/48.
These EP-2 Burners for the larger boiler on Fire Stairs
of Building with 1-3000 tank.
One half of application - see attached application.

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

APPROVED:

1-7-49 ASD

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

Ballard Oil & Equipment Co

INSPECTION COPY

Permit No. 49/41

Location 500-504 Congress St

Owner Enterprises & Stores, Inc

Date of permit 11/10/49

Approved 11-22-49. Cole

NOTES

1 Fill Pipe

2 Vent Pipe

3. And Heat

4. And Heat

5 Name & Label

6 Stack Control

7 High Limit Control

* 8 Remote Control

9 Piping Support & Protection

10 Valves in supply line

11 Capacity of Tank

12 Tank Height & Supports

13 Tank Distance

14 Oil Gauge

15 Instruction Card

16

* Markman remote control at hand of cellar stairs.

Enterance in front outside heater room
markman to be made
identity of young it. old

Guide: copy of
free
under
aff
12/14/48

SUMNER SCHEIN, B.S., C.E.

Architect and Engineer

333 WASHINGTON STREET, BOSTON

LAFAYETTE 3-0123

December 13, 1948

RECEIVED

DEC 14 1948

DEPT. OF BLDG. INSP.
CITY OF PORTLAND

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

Re: Enterprize Store

Dear Mr. McDonald:

In reference to the entrance doors at the above store, the Enterprise Company would like to install two pair of three (3') foot doors instead of the two pair of two foot six inch (2'6") doors, as shown on the plan. For hardware, they would like to use ordinary type hardware arranged in such a fashion so that one leaf would be open at all times when somebody is in the store. It would be locked only from the outside. Would this satisfy your requirements?

Yours very truly,

William Wald
William Wald

WW:1



APPLICATION FOR AMENDMENT TO PERMIT

Amendment No. # 1

Portland, Maine, November 30, 1948

PERMIT ISSUED

DEC 7 1948

CITY of PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for amendment to Permit No. 18/1702 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 504 Congress Street Within Fire Limits? yes Dist. No. 1
Owner's name and address Enterprise Realty Co., Inc., 1479 Hancock St., Quincy, Mass. Telephone _____
Lessee's name and address _____ Telephone _____
Contractor's name and address F. W. Cunningham & Sons, 91 State St. Telephone _____
Architect _____ Plans filed yes No. of sheets 1
Proposed use of building Store No. families _____
Last use _____ No. families _____
Increased cost of work _____ Additional fee 25

Description of Proposed Work

To make change in stairs at basement as per plan.

Details of New Work

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

Joists and rafters: 1st floor _____, 2nd _____, 3rd _____, roof _____
On centers: 1st floor _____, 2nd _____, 3rd _____, roof _____
Maximum span: 1st floor _____, 2nd _____, 3rd _____, roof _____

Approved: _____
Signature of Owner _____
By: John J. Mulken
Approved: _____
Inspector of Buildings

FILE COPY



(G) GENERAL BUSINESS ZONE

APPLICATION FOR PERMIT

Class of Building or Type of Structure 1st Class
Portland, Maine, October 27, 1949

PERMIT ISSUED

NOV 5 1949

CITY of PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

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

Location 502 Congress Street Within Fire Limits? yes Dist. No. 1
Owner's name and address Enterprise Realty Co., 502 Congress St. Telephone _____
Lessee's name and address _____ Telephone _____
Contractor's name and address Megquier & Jones, 33 Pearl Street Telephone _____
Architect _____ Specifications _____ Plans yes No. of sheets 1
Proposed use of building Store No. families _____
Last use _____ No. families _____
Material brick No. stories 2 Heat _____ Style of roof _____ Roofing _____
Other buildings on same lot _____ Fee \$ 4.00
Estimated cost \$ 850.

General Description of New Work

To erect metal fire escape on Brown Street side of building as per plan.

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 Megquier & Jones

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

If a Garage

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

Miscellaneous

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

Enterprise Realty Co.

Megquier & Jones

C. J. Wagon

Signature of owner By: _____

INSPECTION COPY

APPROVED: _____

NOTES

3/22/49. Sample not started. E. C. H.

4/29/49. Fingerprint collected. Mr. J. Peter
found an acid through bottle was
used but can not be seen because
of upper part of middle chamber. C.

Serial No.	416 / 2064
Location	523 Concord St
Owner	Enterprise Realty
Date of permit	11 / 5 / 14
Notif. closing-in	
Inspn. closing-in	
Final Notif.	
Final Inspn.	4/21/49, acc.
Cert. of Occupancy issued	Done

[illegible]

August 8

УГОД. ПОДПИСАНИ

JOHN J. CUNNINGHAM
PRESIDENT
ARTHUR J. CULLINAN
TREASURER

F. W. CUNNINGHAM & SONS
INCORPORATED 1905

... CONTRACTORS ...
PINE STATE BUILDING 181 STATE STREET
PORTLAND 3, MAINE

WILLIAM H. GILL
VICE-PRESIDENT
THOMAS P. FALLONA
ENGINEER

October 11th, 1948

Subject: Enterprise Stores, Inc.
Portland, Maine

RECEIVED
OCT 12 1948
DEPT. OF BLD'G. INSP.
CITY OF PORTLAND

Department of Building Inspection
Portland, Maine

Gentlemen:

Referring to your letter of October 5th, 1948, would say that on any tests, hereafter, we will indicate the location at which the sample is taken and will supply you with the key after the pourings are completed. We cannot pre-determine these locations with accuracy.

No concrete has, as yet, been placed for floors, but all other concrete work is done.

As to the question of relationship between the testing laboratory, the Architect and ourselves, will say that the laboratory reports its findings to the Architect and to ourselves. If the Architect deems the report to indicate serious departure from requirements, he directs further investigation. In our experience, an occasional result, as indicated by the report you mentioned, would not be considered cause for concern. It would probably be due to some deficiency on our part in making or curing of the sample.

We note your concern for the concrete in the slabs on bar joists and we have discussed this with the Architect and we plan to call on you at the time of the Architect's next visit to discuss it further.

Yours very truly,

F. W. CUNNINGHAM & SONS

Arthur J. Cullinan
Treasurer

AJC/ml

CC to Sumner Schein, Architect

W. W. Cunningham & Sons
EP 1A/1702-1
(500-508 Congress Street)

October 5, 1949

F. W. Cunningham & Sons
181 State Street
Portland, Maine

Subject: Concrete inspection and tests in connection
with new building for Enterprise Stores at 500-508
Congress Street

Gentlemen: .

The receipt of the record of tests of concrete on the above job from Stewart Associates, Inc. is appreciated, but it would also be appreciated if the Stewart people would give more information on their test blanks, more particularly with regard to the location in the building of the concrete from which the specimens for testing has been taken, and also the brand of cement used. Probably the line on the blank marked "identification" means to them some particular location in the building, and, if so, it would be appreciated if we could get their "key".

Their report number 11457, dated September 28, 1948 indicates one cylinder at the age of 28 days showing a strength of only 2,263.7 pounds per square inch, considerably below the designed strength required by the architect. The report blank contains nothing in the way of remarks or comment on this deficiency, and I shall appreciate an explanation of why it is so low and why the testing agency considers that deficiency unworthy of comment.

I am particularly concerned about this job because it is a building where steel joists are proposed in both floors and roof, although I believe there is no concrete slab for the roof. We have had a recent job in which the thin slab on steel joists has cracked up badly, not enough to affect the safety at least at present, but certainly not a satisfying situation for anyone. We have been unable to find out what caused these cracks. Some have attributed them to the brand of cement used. Others, including some designers, have passed off the cracks with the statement that cracks always occur with steel joists. If the latter statement is true, I think it will be of interest to the Steel Joist Institute and the manufacturers of steel joists because if the necessity of cracks is inherent in the use of steel joists, Building Codes need to be overhauled to limit their use more definitely.

I would like to make the Enterprise job a test case, and if the testing agency has any comments on this as to the brand of cement to be used or anything else that would eliminate cracks, that information and their recommendations ought to be forthcoming now.

I am enclosing a copy of this letter so that you may send it to the testing agency, if you desire, and am addressing you as the contractor under the belief that in all probability you actually employ the testing agency under the selection of the architect who also has a copy of this letter.

If I have gotten the wrong idea of the relationships between architect and contractor and testing agency, will you be good enough to overlook it, and see what can be done to clear up these matters.

WHEC/C

Very truly yours,

Enclosure: CC of this letter
CC: Mr. Sumner Schein

Inspector of Buildings

333 Washington St., Boston, Massachusetts