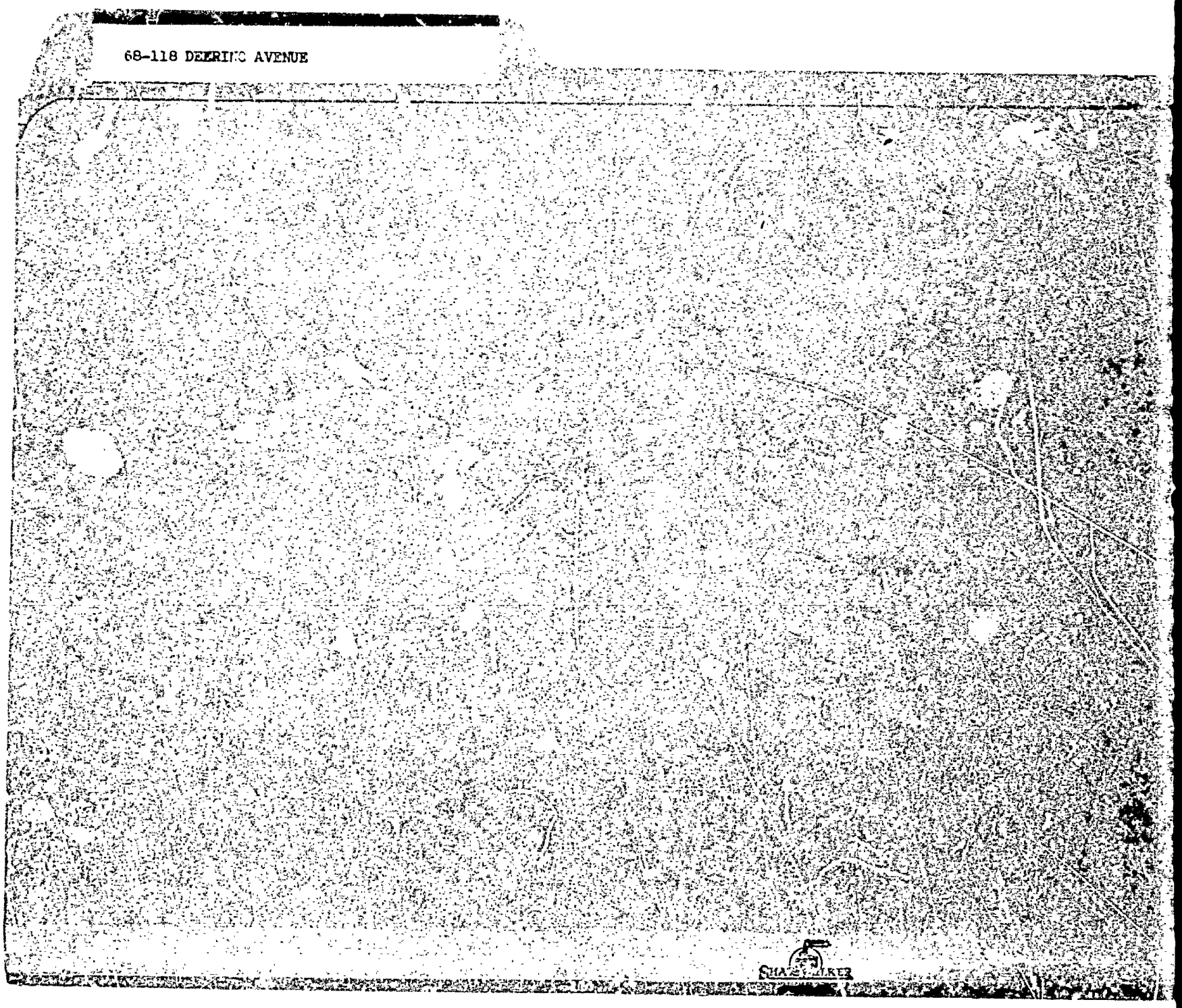

68-118 DEERING AVENUE

FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

PERMIT ISSUED
FEB 9 1981
94
CITY of PORTLAND

Portland, Maine, Feb. 6, 1981

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

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

Location 92 Deering Ave. Use of Building King Jr. High No. Stories New Building Existing "

Name and address of owner of appliance City of Portland, ME.

Installer's name and address Mechanical Serv.-400 Presumpscot St. Telephone

General Description of Work

To install steam burner replacement

IF HEATER, OR POWER BOILER

Location of appliance Any burnable material in floor surface or beneath?

If so, how protected? Kind of fuel?

Minimum distance to burnable 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

Will sufficient fresh air be supplied to the appliance to insure proper and safe combustion?

IF OIL BURNER

Name and type of burner Preferred ~~-xxxx~~ horizontal rotary Labelled by underwriters' 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 Size of vent pipe

Location of oil storage underground Number and capacity of tanks

Low water shut off yes Make McDonald Miller No.

Will all tanks be more than five feet from any flame? yes How many tanks enclosed?

Total capacity of any existing storage tanks for furnace burners

IF COOKING APPLIANCE

Location of appliance Any burnable material in floor surface or beneath?

If so, how protected? Height of Legs, if any

Skirting at bottom of appliance? Distance to combustible material from top of appliance?

From front of appliance From sides and back From top of smokepipe

Size of chimney flue Other connections to same flue

Is hood to be provided? If so, how vented? Forced or gravity?

If gas fired, how vented? Rated maximum demand per hour

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

Amount of fee enclosed? 5.00

cost of work 6,00028.50

APPROVED: 33.50

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

Signature of Installer Clarence Tweedie 01561

CS 300

INSPECTION COPY

5

Permit No. 31/84

Location 12 Kleeberry Ave

Owner City of Parthian

Date of permit 5.9.84

Approved

NOTES

Buildings have been properly installed

APPLICATION FOR PERMIT

DEPARTMENT OF BUILDING INSPECTIONS SERVICES

ELECTRICAL INSTALLATIONS

Date Aug. 31, 19 78
Receipt and Permit number A12835

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: 92 Deering Avenue

OWNER'S NAME: King Jr. High School ADDRESS: same

			FEES
OUTLETS: (number of)			
Lights			
Receptacles			
Switches			
Plugmold		(number of feet)	
TOTAL			
FIXTURES: (number of)			
Incandescent			
Fluorescent		(Do not include strip fluorescent)	
TOTAL			
Strip Fluorescent, in feet			
SERVICES:			
Permanent, total amperes			
Temporary			
METERS: (number of)			
MOTORS: (number of)			
Fractional			
1 HP or over			
RESIDENTIAL HEATING:			
Oil or Gas (number of units)			
Electric (number of rooms)			
COMMERCIAL OR INDUSTRIAL HEATING:			
Oil or Gas (by a main boiler)			
Oil or Gas (by separate units)			
Electric (total number of kws)			
APPLIANCES: (number of)			
Ranges		Water Heaters	
Cook Tops		Disposals	
Wall Ovens		Dishwashers	
Dryers		Compactors	
Fans		Others (denote)	
TOTAL			
MISCELLANEOUS: (number of)			
Branch Panels			
Transformers			
Air Conditioners			
Signs			
Fire/Burglar Alarms			
Circus, Fairs, etc.			
Alterations to wires	xx		
Repairs after fire			3.00
Heavy Duty, 220v outlets			
Emergency Lights, battery			
Emergency Generators			
		INSTALLATION FEE DUE:	
FOR ADDITIONAL WORK NOT ON ORIGINAL PERMIT		DOUBLE FEE DUE:	
FOR REMOVAL OF A "STOP ORDER" (304-16.b)			
FOR PERFORMING WORK WITHOUT A PERMIT (304-9)			
		TOTAL AMOUNT DUE:	3.00

INSPECTION:

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

CONTRACTOR'S NAME: Aladdin Electric

ADDRESS: 171 Lancaster St.

TEL..

MASTER LICENSE NO.: on file

LIMITED LICENSE NO.:

SIGNATURE OF CONTRACTOR:

INSPECTOR'S COPY

ELECTRICAL INSTALLATIONS —

Permit Number 128535

Location 92 Deering Ave.

Owner King Co. - City

Date of Permit 8-11-78

Final Inspection 8-14-78

By Inspector [illegible]

Permit Application Register Page No. 1448

INSPECTIONS: Service _____ by _____

Service called in _____

Closing-in _____ by _____

PROGRESS INSPECTIONS: 8-14-78 / _____ / _____

_____ / _____ / _____

_____ / _____ / _____

_____ / _____ / _____

_____ / _____ / _____

CODE COMPLIANCE COMPLETED

DATE 8-14-78

DATE:	REMARKS:

CITY OF PORTLAND, MAINE
Application for Permit to Install Wires

Permit No. 54318
Issued 9-22-70

Portland, Maine , 19

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 Tel.
Contractor's Name and Address Tel.
Location Use of Building
Number of Families Apartments Stores Number of Stories
Description of Wiring: New Work Additions Alterations

92 Deering Ave

Pipe Cable Metal Molding BX Cable Plug Molding (No. of feet)
No. Light Outlets Plugs Light Circuits Plug Circuits
FIXTURES: No. Fluor. or Strip Lighting (No feet)
SERVICE: Pipe Cable Underground No. of Wires Size
METERS: Relocated Total No. Meters
MOTORS: Number Phase Amps Volts Starter
HEATING UNITS: Domestic (Oil) No. Motors Phase H.P.
Commercial (Oil) No. Motors Phase H.P.
Electric Heat (No. of Rooms)
APPLIANCES: No. Ranges Watts Brand Feeds (Size and No.)
Elec. Heaters Watts
Miscellaneous Watts Extra Cabinets or Panels
Transformers Air Conditioners (No. Units) Signs (No. Units)
Will commence 19 Ready to cover in 19 Inspection 19
Amount of Fee $ 5.00

Signed

DO NOT WRITE BELOW THIS LINE

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

INSPECTED BY F. W. Harker

CE 283

(OVER)

Park Ave.

92 Sherry Ave. Jr.

LOCATION

INSPECTION DATE 10/5/20

WORK COMPLETED 10/5/20

TOTAL NO. INSPECTIONS

REMARKS:

FEES FOR WIRING PERMITS EFFECTIVE JULY 31, 1963

WIRING	$ 2.00
1 to 30 Outlets	3.00
31 to 60 Outlets	.05
Over 60 Outlets, each Outlet	
(Each twelve feet or fraction thereof of fluorescent lighting or any type of plug molding will be classed as one outlet).	
SERVICES	2.00
Single Phase	4.00
Three Phase	
MOTORS	3.00
Not exceeding 50 H.P.	4.00
Over 50 H.P.	
HEATING UNITS	2.00
Domestic (Oil)	4.00
Commercial (Oil)	.75
Electric Heat (Each Room)	
APPLIANCES	
Ranges, Cooking Tops, Ovens, Water Heaters, Disposals, Built-in Dishwashers, Dryers, and any permanent built-in appliance — each unit	1.50
MISCELLANEOUS	1.00

CITY OF PORTLAND, MAINE
Application for Permit to Install Wires

Permit No. 56653
Issued 3/12/68

Portland, Maine MAR 12, 1968

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 CITY OF PORTLAND Tel.

Contractor's Name and Address ABC ELECT. CO. Tel.

Location King Jr. H.S. Use of Building

Number of Families Apartments Stores Number of Stories

Description of Wiring: New Work Additions ✓ Alterations

12 OUTLETS, MATH ROOM 216

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

No. Light Outlets Plugs 12 Light Circuits Plug Circuits

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

SERVICE: Pipe Cable Underground No. of Wires Size

METERS: Relocated Added Total No. Meters

MOTORS: Number Phase H. P. Amps Volts Starter

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

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

Electric Heat (No. of Rooms)

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

Elec. Heaters Watts

Miscellaneous Watts Extra Cabinets or Panels

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

Will commence MAR 12 1968 Ready to cover in 19 Inspection MAR 13 1968.

Amount of Fee $ 2.00

Signed ABC ELECTRIC CO.

DO NOT WRITE BELOW THIS LINE

SERVICE METER GROUND

VISITS: 1 2 3 4 5 6 7 8 9 10 11 12

REMARKS:

CS 263

INSPECTED BY F W Hartman

(OVER)

LOCATION King Sr. High School

INSPECTION DATE 3/19/68

WORK COMPLETED 3/19/68

TOTAL NO. INSPECTIONS 1

REMARKS:

FEES FOR WIRING PERMITS EFFECTIVE JULY 31, 1968

WIRING

1 to 30 Outlets (including switches)	$ 2.00
31 to 60 Outlets (including switches)	3.00
Over 60 Outlets, each Outlet (including switches)	.05

(Each twelve feet or fraction thereof of fluorescent lighting or any type of plug molding will be classed as one outlet).

SERVICES

Single Phase	2.00
Three Phase	4.00

MOTORS

Not exceeding 50 H.P.	3.00
Over 50 H.P.	4.00

HEATING UNITS

Domestic (Oil)	2.00
Commercial (Oil)	4.00
Electric Heat (Each Room)	.75

APPLIANCES

Ranges, Cooking Tops, Ovens, Water Heaters, Disposals, Dishwashers, etc. — Each Unit	1.50

TEMPORARY WORK (Limited to 6 months from date of permit)

Service, Single Phase	1.00
Service, Three Phase	2.00
Wiring, 1-50 Outlets	1.00
Wiring, each additional outlet over 50	.02
Circuses, Carnivals, Fairs, etc.	10.00

MISCELLANEOUS

Distribution Cabinet or Panel, per unit	1.00
Transformers, per unit	2.00
Air Conditioners, per unit	2.00
Signs, per unit	2.00

DO NOT WRITE IN THIS ZONE

PERMIT ISSUED
No. 2003
AUG 25 1960
CITY of PORTLAND

APPLICATION FOR PERMIT

Class of Building or Type of Structure Installation

Portland, Maine, August 21, 1960

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for a permit to erect alter repair demolish ins all 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 92 Decring Ave. Within Fire Limits? _____ Dist. No. _____

Owner's name and address City of Portland, 389 Congress St. Telephone _____

Lessee's name and address Helen M King Junior School. Telephone _____

Contractor's name and address Pettengill-Ross Co. 57 Cross St. Telephone 2-6223

Architect _____ Specifications _____ Plans yes No. of sheets 1

Proposed use of building School No. families _____

Last use " No. families _____

Material brick No. stories 1 Heat _____ Style of roof _____ Roofing _____

Other buildings on same lot _____

Estimated cost $ _____ Fee $ 2.00

General Description of New Work

To install exhaust fan and duct work for cafeteria 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* contractor

Details of New Work

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

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

Has septic tank notice been sent? _____ Form notice sent? _____

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

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

Material of foundation _____ Thickness, top _____ bottom _____ cellar _____

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 _____

Size Girder _____ Columns under girders _____ Size _____ Max. on centers _____

Kind and thickness of outside sheathing of exterior walls? _____

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 wall _____ height? _____

If a Garage

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

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

APPROVED:
O.K. - 8/25/60 - [illegible]

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

Pettengill-Ross Co.

by: Ernest H. Pettengill
E. M.

INSPECTION COPY

Signature of owner _____

9-2

Permit No. 60/1200

Location 92 Deering Ave

Owner City of Portland

Date of permit 8/25/60

Notif. closing-in

Inspn. closing-in

Final Notif.

Final Inspn.

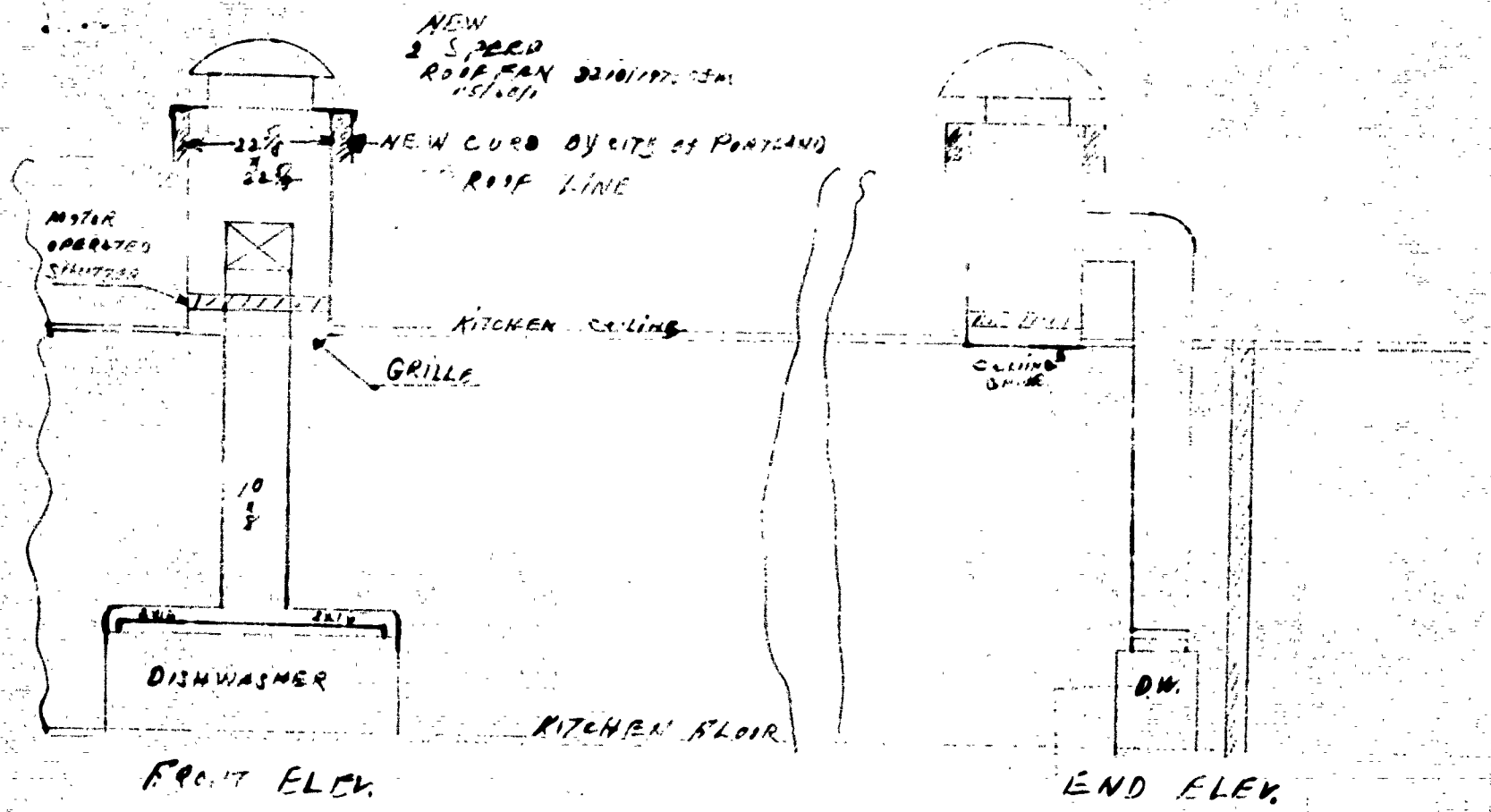
Cert. of Occupancy issued

Staking Out Notice

Form Check Notice

NOTES

9-2-60 Completed



NO SCALE

NEW DISHWASHER EXHAUST FAN & DUCT
FOR HELEN KING JR. HIGH SCHOOL.

PETTINGILL-ROSS CO
57 CROSS ST
PORTLAND
ME
3/24/61

PERMIT ISSUED
JAN 13 1960
CITY OF PORTLAND

APPLICATION FOR PERMIT

Class of Building or Type of Structure Installation

Portland, Maine, January 13, 1960

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 92 Decring Ave. Within Fire Limits? ..... Dist. No. .....

Owner's name and address City of Portland (King Junior) Telephone .....

Lessee's name and address ..... Telephone .....

Contractor's name and address York Electrical Co., 173 Fore St. Telephone .....

Architect ..... Specifications ..... Plans yes No. of sheets .....

Proposed use of building School No. families .....

Last use " No. families .....

Material ..... No. stories ..... Heat ..... Style of roof ..... Roofing .....

Other buildings on same lot .....

Estimated cost $ ..... Fee $ 2.00

General Description of New Work

To install automatic fire alarm as per plans and specifications.

This system is to be combined with the existing sprinkler system in such a way that either the sprinkler heads or the thermostats will ring the alarm bells

Sent to Fire Dept. 1/14/60
Rec'd from Fire Dept. 1/19/60

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

Details of New Work

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

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

Has septic tank notice been sent? ..... Form notice sent? .....

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

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

Material of foundation ..... Thickness, top ..... bottom ..... cellar .....

Kind of roof ..... Rise per foot ..... Roof covering .....

No. of chimneys ..... Material of chimneys ..... of lining ..... Kind of heat ..... fuel .....

Framing Lumber—Kind ..... Dressed or full size? ..... Corner posts ..... Sills .....

Size Girder ..... Columns under girders ..... Size ..... Max. on centers .....

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

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

On centers: 1st floor ....., 2nd ....., 3rd ....., roof .....

Maximum span: 1st floor ....., 2nd ....., 3rd ....., roof .....

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

If a Garage

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

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

APPROVED:

Carl E. Johnson
CHIEF OF FIRE DEPT.

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

City of Portland
York Electrical Co.

CS 301

INSPECTION COPY

Signature of owner By: Robert A. Murphy

PH

Permit No. 60/58

Location 92 Deering Ave

Owner King Junior

Date of permit 11/19/60

Notif. closing-in

Inspn. closing-in

Final Notif.

Final Inspn.

Cert. of Occupancy issued

Staking Out Notice

Form Check Notice

NOTES

1-19-61 Complete

85 CONGRESS ZONE

PERMIT ISSUED
CLASS
NOV 6 1959
CITY of PORTLAND

APPLICATION FOR PERMIT

Class of Building or Type of Structure 2nd class

Portland, Maine, November 2, 1959

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 92 Deering Ave. Within Fire Limits? ..... Dist. No. .....

Owner's name and address City of Portland, 389 Congress St. Telephone .....

Lessee's name and address (Helen King School) Telephone .....

Contractor's name and address Hahnel Bros. 42 Main St. Lewiston Me. Telephone 4-6477

Architect ..... Specifications ..... Plans on file No. of sheets .....

Proposed use of building School No. families .....

Last use " No. families .....

Material ..... No. stories ..... Heat ..... Style of roof ..... Roofing .....

Other buildings on same lot .....

Estimated cost $ ..... Fee $2.00

General Description of New Work

To install ducts work for ventilation and heating toilet rooms, shower rooms and gymnasium. (to be installed in new addition)

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

Details of New Work

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

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

Has septic tank notice been sent? ..... Form notice sent? .....

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

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

Material of foundation ..... Thickness, top ..... bottom ..... cellar .....

Kind of roof ..... Rise per foot ..... Roof covering .....

No. of chimneys ..... Material of chimneys ..... of lining ..... Kind of heat ..... fuel .....

Framing Lumber—Kind ..... Dressed or full size? ..... Corner posts ..... Sills .....

Size Girder ..... Columns under girders ..... Size ..... Max. on centers .....

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

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

On centers: 1st floor ....., 2nd ....., 3rd ....., roof .....

Maximum span: 1st floor ....., 2nd ....., 3rd ....., roof .....

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

If a Garage

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

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

APPROVED:
with memo by W. McD

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

City of Portland
Hahnel Bros.

CS 301

INSPECTION COPY

Signature of owner by: George Barber

FM

Permit No. 59/1686

Location 92 Deering Ave.

Owner City of Portland

Date of permit 5/11/59

Notif. closing-in

Inspn. closing-in

Final Notif.

Final Inspn.

Cert. of Occupancy issued

Staking Out Notice

Form Check Notice

NOTES

Memorandum from Department of Building Inspection, Portland, Maine

92 Deering ~~Street~~ AVE
Installation of ventilation and heating ducts in King Jr. High School
by Hahnel Brothers

Nov. 6, 1959

All details are to be as stipulated by NBFU Standards For The Installation of Air-conditioning, warm air heating, air cooling and ventilating systems (Pamphlet No. 90A). Please note that any lining of ducts or housing of equipment is required to be of non-burnable materials.

Warren McDonald
Acting Deputy Insptr. of Bldgs.

Encs: Permit card and copy of application

CS-27

PERMIT ISSUED
01260
SEP 22 1959
CITY of PORTLAND

APPLICATION FOR PERMIT

Class of Building or Type of Structure Installation

Portland, Maine, Sept. 21 1959

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 92 Deering Ave. Within Fire Limits? ..... Dist. No. .....

Owner's name and address City of Portland Maine, 389 Congress St. Telephone .....

Lessee's name and address ..... Telephone .....

Contractor's name and address Ballard Oil Co. 135 Marginalway Telephone 2-1991

Architect ..... Specifications ..... Plans yes on file No. of sheets .....

Proposed use of building School No. families .....

Last use " No. families .....

Material ..... No. stories ..... Heat ..... Style of roof ..... Roofing .....

Other buildings on same lot .....

Estimated cost $ ..... Fee $ 2.00

General Description of New Work

To install refrigeration system as per plan on file. General 59/404
Compressor in crawl space beneath equipment.-Freon 12

Sent to Fire Dept. 9-21-59
Rec'd from Fire Dept. .....

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

Details of New Work

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

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

Has septic tank notice been sent? ..... Form notice sent? .....

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

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

Material of foundation ..... Thickness, top ..... bottom ..... cellar .....

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 .....

Size Girder ..... Columns under girders ..... Size ..... Max. on centers .....

Kind and thickness of outside sheathing of exterior walls? .....

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:
Carl P. Johnson
CHIEF OF FIRE DEPT.

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

The Ballard Oil & Equipment Co.

Signature of owner ..... by: H O Fundis

FM

INSPECTION COPY

Permit No. 59/1260

Location 92 Deering Ave.

Owner City of Portland

Date of permit 9/22/59

Notif. closing-in

Inspn. closing-in

Final Notif.

Final Inspn.

Cert. of Occupancy issued

Staking Out Notice

Form Check Notice

NOTES

R5 RESIDENCE ZONE

APPLICATION FOR PERMIT

PERMIT ISSUED
00-109
APR 24 1959
CITY of PORTLAND

Class of Building or Type of Structure 2nd class

Portland, Maine, April 23, 1959

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 68-118 Deering Ave. Within Fire Limits? yes Dist. No.

Owner's name and address City of Portland, 389 Congress St. Telephone

Lessee's name and address Telephone

Contractor's name and address Wiley Construction Co. Scarboro Me. Telephone TU-3-4883

Architect Specifications Plans yes No. of sheets 16

Proposed use of building School No. families

Last use No. families

Material brick No. stories 1 Heat Style of roof Roofing

Other buildings on same lot

Estimated cost $ 185,500.00 Fee $ 50.00

General Description of New Work

To construct 1-story brick addition on end of existing building as per plans

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*** contractor

Details of New Work

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

Is connection to be made to public sewer? If not, what arrangement 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

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

Size Girder Columns under girders Size Max. on centers

Kind and thickness of outside sheathing of exterior walls?

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

City of Portland
Wiley Construction Co.

INSPECTION COPY

Signature of owner by: [signature]

FM

Permit No. 59/409

Location 68-718 Deering Ave.

Owner City of Portland

Date of permit 4/29/59

Notif. closing-in

Inspn. closing-in

Final Notif.

Final Inspn.

Cert. of Occupancy issued

Staking Out Notice

Form Check Notice 5/27/59

Earle Dodge - Inspector for City School Dept.

Heating & Venting by Com. Welding & Hanhil Bros.

NOTES

5-5-59 Concrete piles driven ready for steel & conc. CP

5-21-59 Form for rear walls pouring CP

5-28-59 Forms ok for front & end walls CP

6-26-59 Masonary walls started waiting for steel erection CP

7-30-59 Steel & roof joists up. CP

9-23-59 Ready for inspn roofing. CP

10-28-59 Roofon & floors & tile work all going in Permit for Ventilation needed. CP

11-19-59 Will be ready for final after Nov 26 CP

12-7-59 Hardware & Exits O.K. Needs all bridging welded Carp. - nailed CP

12-21-59 Final ok O.K. CP

Need Fire alarm Edwards Detecto System — permit work Elec. CP

1-19-60 Completed CP

A.P.-68-118 Deering Ave.

April 24, 1959

Wiley Construction Co.
Scarboro
Maine

cc to: John Calvin Stevens
187 Middle St.
cc to: William H. Soule
Supt. of Schools
cc to: Philip N. Burnham
Public Bldgs. Engineer

Gentlemen:

Building permit for construction of addition to King Junior High School at the above named location is issued herewith based on plans and amended specifications filed with application for permit, but subject to the following conditions:

1. Any temporary sign or signs to be erected identifying the project are limited by the Zoning Ordinance to not more than two in number and to not more than 15 square feet total area.

2. Separate permits issuable only to the actual installers are required for installation of the automatic fire detection and alarm system, any systems of mechanical ventilation or refrigeration, and any new cooking or heating equipment.

Very truly yours,

AJS:m

Albert J. Sears
Inspector of Buildings

8/3/53

CAMILLO PROFENNO COMPANY
General Contractors
127 Marginal Way
Portland 3, Maine

July 28, 1953

Mr. Elliott P. Perkins
192 Middle Street
Portland, Maine

RE: King Junior High School — 92 Deering Ave
Portland, Maine

Dear Mr. Perkins:

We are ready to correct the damaged ceilings caused by leaks or condensation provided we are given a full unconditional release if we recondition the ceilings now.

The ceilings in the warm, dry months have always dried up but in the Winter months the wet condition starts to appear somewhere around November and continues during the cold months. It is quite obvious the correction made in the area concerned may be the solution.

After all the talk about wet mops, condensation and other reasons for the wet conditions being voiced by many people, in our opinion the only true test would be for it to go through one more Winter and then if no wet condition reappears the following Summer would be the perfect time to repair the ceilings.

We will be pleased to hear from you as soon as possible and if there is anything we can do in regard to this matter, please let us know.

Very truly yours,

CAMILLO PROFENNO COMPANY

S/ Donato C. Profenno

Donato C. Profenno
Treasurer

cc: Mr. Perkins
Stevens & Saunders - Attention: Mr. John Calvin Stevens II

xxxxxxxxxx
Murray Hill 3-1278

Fwd King Junior
Low mike

February 25, 1953

Mr. John Calvin Stevens, 2nd, A.I.A.
187 Middle Street
Portland 3, Maine.

Re: King Junior High School, Portland, Me.

Dear Mr. Stevens:

This will acknowledge your letter of February 20th wherein you state a condensation has existed on the subject job since the building was completed in 1950.

This is most unusual as we have never heard of such a case since DURISOL has been used. This condition may exist if there has been dampness trapped in the plank due to suspended ceilings, or any other such work, but clears itself in a very short time. If this condition exists in only one area of the roof, there may be some way that moisture is seeping through the built-up roofing.

You further ask in your letter whether this condition will cause the DURISOL Plank to deteriorate in strength or insulating value. We wish to advise that we have had thawing and freezing tests performed on our product which will certainly prove that DURISOL does not deteriorate due to this condition.

I have sent a copy of your letter to our Engineering Department and have asked them if there is any further explanation as to why this condition should exist.

Thank you for bringing this situation to our attention.

Very truly yours,

DURISOL, INC.

T. C. McLaren
Sales Manager

RECEIVED
MAR 4 1953
DEPT. OF BLDG. INSP.
CITY OF PORTLAND

TCM:A
cc: G. Runken
Post Products
Mr. Warren McDonald, Bldg. Inspector

JOHN HOWARD STEVENS, A.I.A. JOHN CALVIN STEVENS 2ND, A.I.A.
ARCHITECTS
187 MIDDLE STREET, PORTLAND 3, MAINE

December 3, 1952

Mr. Warren McDonald
Building Inspector
City of Portland, Maine

Dear Mac:

I am enclosing some notes on King Junior High cost relative to our discussion on the steps of City Hall the other day.

Sincerely yours,

John Calvin

John Calvin Stevens 2nd

M4.

Enclosure.

Name Helen M. King Jr. High School

Date 1949-50 Type 2 story Conc. Frame + Masonry, Steel Fr. Roofing

Total cubic 1,007,480 @ .969 $ 956,704.90 Trade Disc.

Gen. const.	
Heat	843,702.23
Plumb	
Elect + fix	
All other items	36,931.
Arch't	76,070.82
Notes	

Mr. Warren McDonald

JOHN HOWARD STEVENS, A.I.A. JOHN CALVIN STEVENS, 2ND, A.I.A.
ARCHITECTS
187 MIDDLE STREET, PORTLAND 3, MAINE

COPY

August 29, 195

Comite Proteste
127 Marginal Way
Portland 3, Maine

Gentlemen:

Re: Mine Janitor's Apartment Garage

As a result of the deliberations made yesterday at conference with the building committee, it is now important that,

1. It be now definitely determined by inspection whether there is, or is not, any moisture between the roofing and the surface of the burlsol plank. This knowledge is essential for protection of both parties in the event that the roof fails to perform during the winter as predicted.

It is suggested that the above be accomplished by slitting the roofing in at least three places, the first to be over the Janitor's room in the north end, the second to be over the front end of the room that contains the most damage, the third to be in the extreme northeast corner of the north wing. These points to be accurately located by recorded measurements.

2. In order to place the structure in the same condition as far as movement of air is concerned, it is essential that, before temperatures reach the 20 degree minimum mark, the holes that have been cut in the ceiling to provide ventilation should be sealed so that no more air can leak through them than did leak through the ceiling prior to cut ing holes. It is suggested that this be done by applying strips by cadile bolts in a neat rectangle around the hole and drawing it sufficiently tight against the acoustical plaster so that there be no air leakage between the strips and the plastering. Each hole will then be covered with a rectangular patch of plaster board screwed in place, so that it may be easily removed for inspection of the space overhead. The joint between the plaster board and the surrounding ceiling shall be sealed with gun tape. The whole area shall be given a coat of ceiling center with good hiding power. It is the desire of the committee, that this patching be carried as soon as possible, so that the room may be used for classes.

Under no circumstances shall the patching in paragraph 2 above be undertaken until the condition under the roofing has been determined. In the event that moisture is found under the roofing, the architect will confer with Mr. [illegible] and

JOHN HOWARD STEVENS, A.I.A. JOHN CALVIN STEVENS, 2ND, A.I.A.
ARCHITECTS
187 MIDDLE STREET, PORTLAND 3, MAINE

August 29, 1952

Camillo Profenno Co.
-2

COPY

re: King J. High School Water Damage

Profenno Company in an attempt to determine the most expeditious procedure for drying out of roof.

Sincerely yours,

John Calvin Stevens, 2nd

JCS:MS

cc Mr. Elliot P. Perkins, Chairman of Building Committee
Mr. Fred P. West, Superintendent of School Buildings
Dr. H.C. Lyseth, Superintendent of Schools
Mr. Warren McDonald, Inspector of Buildings
Mr. Barnett I. Shur, Corporation Counsel

Mr. McDonald

JOHN HOWARD STEVENS, A.I.A. JOHN CALVIN STEVENS, 2ND, A.I.A.
ARCHITECTS
187 MIDDLE STREET, PORTLAND 3, MAINE

August 4, 1952

Camillo Profenno Co.
127 Marginal Way
Portland 3, Maine

COPY

Gentlemen:

re: King Jr. High School

Since studying the records and details of King School construction, we wish to clarify the statements made in our letter to City Manager Lyman S. Moore on July 7th about the King School roof. In that letter we certified that during the week of June 23-[illegible] the roof gave no evidence of leaking while water w[illegible] standing on the roof for the above period. This certi[illegible]tion does not necessarily mean that there were no leaks pre[illegible] prior to June 23, 1952. We believe the roof did leak during construction, which opinion is held by Mr. West and Mr. MacGibbon. Mr. MacGibbon's diary is continuous testimony to leaks during constructi[illegible], and prior to the opening of School in September, 1950.

This indicates the likelihood of leaks continuing to be present after the opening of School in September, 1950.

Under the above circumstances responsibility for the damage to the School is not settled by my letter of July 7th, and cannot be until full consideration has been given to the report due in August from Professor Hesselschwerdt, and other pertinent data.

Sincerely yours,

John Calvin Stevens, 2nd

JCS:[illegible]

cc: Mr. Lyman S. Moore, City Manager
Dr. H.C. Lyseth
Mr. Fred L. West
Mr. Warren McDonald
Mr. Barnett L. [illegible]
Mr. Elliot P. Larkins
Professor Hesselschwerdt, Jr.
Hahnel Bros.

July 25, 1952

Professor A.L.Hesselschwerdt, Jr.
South Bristol
Maine

re: King Jr. High School

Dear Professor Hesselschwerdt:

The Building Committee of the King School has met since your visit here, and the situation has been thoroughly discussed. Both Mr. West, who is Superintendent of School Buildings, and Mr. MacGibbon, who was Clerk of the Works , are strongly of the opinion, that the roof had a leak from the very beginning, and that the leak probably has now healed with the warm weather. We were also strongly of the opinion, that the roof did leak.

In view of the above, we are sending you all the data that can be procured for your information. The problem is to determine, if possible, whether the damage done could have all been due to condensation, or whether there was a leak to help it along. It occurs to us, that the excess moisture of construction trapped in the building may have a bearing on the matter.

Will you please make your report addressed to us, with copies for Mr. Perkins, Chairman of the Building Committee and C.Profenno Co., General Contractor enclosed.

Sincerely yours,

John Calvin Stevens, 2nd

Mr. McDonald

JOHN HOWARD STEVENS, A.I.A. JOHN CALVIN STEVENS, 2ND, A.I.A.
ARCHITECTS
187 MIDDLE STREET, PORTLAND 3, MAINE

July 7, 1952

Mr. Lyman S. Moore, City Manager
City of Portland, Maine

re: King Junior High School

COPY

Dear Sir:

On June 23 Hahnel Brothers Co., sub-contractors for roofing, flooded the roof of the North wing to about 2" deep, which is a good inch over the highest point. The water remained on the roof until Monday, June 30. During this time a severe thunder-storm added another inch and a half of water.

The only moisture appearing on the underside of the roof during this week was an area of about 3 square feet around the plumbing vent stack that goes thru the roof at the pipe space opening from the Janitors Supply room (North wing.) This wet spot was apparent within an hour of the commencement of the flooding. It did not increase in size but dried up some during the week the water was on the roof. It is our belief that Mr. Hahnel has proved his point that the roof does not leak, which indicates condensation is the source of trouble.

In informal conversation with Mr. West, and Mr. Profenno the writer determined that the report of an unbiased expert was needed and all agreed that, if such an expert on condensation was available from M.I.T., his services should be sought.

Upon the recommendation of Mr. James O'Brion of the Acme Engineering Co., Professor of Mechanical Engineering at M.I.T. - Mr. A.L. Hesselschwerdt, Jr. was engaged by us. Professor Hesselschwerdt's specialties are Heating, Ventilating and Refrigeration, and is a member of a committee of four in charge of M.I.T.'s experimental House heated by Solar energy. The Professor visited the School on Tuesday, July 1st, in company with the writer. Mr. West representing the City and Mr. Donald Goddard representing Camillo Profenno Co. were present and questioned Professor Hesselschwerdt. Upon receipt of certain copies of plans and structural details, Professor Hesselschwerdt will make a written report of his opinions and forward it to us on the termination of his vacation in the latter part of July.

Pending receipt of the written report we would like to observe that condensation takes place only when moisture is present. We believe that the Janitors Supply Room has not been used exactly as we had anticipated. It has been used as a drying room for mops and brushes and cleaning cloths. If this practice is continued without remedial measures being taken to prevent the moist air from reaching the cold roof surface condensation will continue. We hve in mind certain inexpensive procedures which

JOHN HOWARD STEVENS, A.I.A. JOHN CALVIN STEVENS, 2ND, A.I.A.
ARCHITECTS
187 MIDDLE STREET, PORTLAND 3, MAINE

July 7, 1952

Mr. Lyman S. Moore, City Manager
City of Portland, Maine

COPY

-2

re: King Junior High School

should fit the room for its present use and would like to discuss them with Mr. West and Dr. Lyseth.

Sincerely yours,

JohnHoward Stevens
John Calvin Stevens, 2nd

By

JHS:MM

cc Dr. Harry Lyseth
Mr. Fred West
C. Profenno Co.
Hahnel Bros.Co.
Professor A.L.Hesselschwerdt,Jr.
Mr.Warren McDonald

Mr.MacGibbon

To Profenno

Re: King School and our letter to
Mr. Lyman Moore, City Manager
on July 7, 1952.

On July 16th the King School Building Committee held a meeting at City Hall to review the situation regarding water Damage at King School.

The Committee desires that the architect clarify his statement "It is our belief that Mr. Hahnel has proved his point that the building does not leak, which indicates Condensation is the source of trouble". To be explicit we can certify that during the week June 23 - 30 the Roof showed no evidence of leaking from the water on the roof or from the rains/torm. If there were no leaks in the roof, water damage must be from condensation; however, Mr. West and Mr. MacGibbon, the Clerk of Works, both are strongly of the opinion that the roof did leak at the beginning and could have continued to leak until the warm weatherof this spring and sumser sealed the leaks. This, we will admit, sounds reasonable.

It is evident that the tar is, during the month of July, 1952, running in such a manner as to seal any roof leaks, as tar dripping from between the joint of Durisol was reported to this office on July 8th.

In view of the above, this office cannot, without further investigation, dismiss the possibility that the roof did leak during the period from the building's occupancy in September of 1950 to the flooring of the roof in June of 1952.

Sincerely yours,

John Calvin Stevens, 2nd

cc
City Mgr.Lyman S.Moore
Mr.Fred West
Dr. H.C.Lyseth
Mr.Warren McDonald
Hahnel Bros.
Professor Hes elschwerdt,Jr.
Mr.E.W.MacGibbon

King School

History of roof after end of Clerkof Works' Dairy.

1950 Sept. School opened Building in use
1951 Feb 13 Leak reported to Architect by telephone to be in Class room 202

(Class Rm 202 was construction Room #24)
(" " 204 " " " # 22)
(The Science " " " # 19)

Feb. 14 West & Stevens visited Bldg.
" 16 West, Stevens & Representative from Hahnel Bros examined Bldg.
" 23 Letter Dr Lyseth to Stevens " as both Mr. West and I stated in our telephone conversation and subsequently when we met with Mr. Hahnel of the roofing construction company at the school, that the leak is definitely one in the roof."

Mar. 16 Stevens visited Bldg.
Apr. 3 Stevens visited Bldg.
Apr. 27 Stevens, West, Iovine of Profenno Co., and representative from Hahnel Bros. visited Bldg. and slit roofing in 3 or more places at random over widely separated areas and found roof wet under roofing.

May 1 Stevens visited Bldg.
Nov. 26 Blanchard cut holes in ceiling of Class Rm #202.
Nov. 27 Stevens visited job.
Dec. 6 Letter Stevens to Profenno - "Since the opening of the ceiling was made a very pronounced positive draft has been induced thru the space above the ceiling which has resulted in very considerable drying of the extremely wet condition. This morning immediately after the heavy rains the underside of the exposed Durisol Insulating Roof Plank was becoming wet where it had previously dried out within the last few days. The conclusion to be drawn from this is as follows: the initial leak caused the Durisol Plank in the vicinity of the leak to become saturated with moisture thus destroying its insulating value. As soon as its insulating value was destroyed and upon the advent of cold air condensation formed and added to the moist condition of the plank, a condition which continues to accelerate and spread."

Dec. 17 Letter West to Stevens "The water is now coming through the ceiling in Room 202 and dripping on the floor, forming a large puddle. It is also coming through the ceiling of the boy's toilet for the first time. It is leaking about the electric light and dripping from the ceiling forming a puddle.

Today is a perfectly fair, clear, winters day without a cloud in the sky and temperatures only a few degrees above zero. An even snow blanket covers the roof which seems to me should be ample proof that it is not rain beating in under the flashings or metal trim of the building."

Dec. 19 Bldg. Committee Meeting with Stevens at School. Decided to test roof in June.
Dec. 26 Bldg. Com. Meeting -City Hall- quote from report of meeting -

10

King School

"Meeting concurred with the findings of the Dec. 19th meeting."

"Mr. West agreed to keep mechanical ventilation going in the affected area during the winter and cold weather 24 hours a day for the purpose of ventilating space above the ceiling."

"Mr. Shur requested the architect to prepare a letter to Barrett Division-Allied Chemical- with a carbon to Continental Casualty Co., Chicago, to be signed by Chairman of the Building Committee, notifying Barrett of roof conditions and to request information concerning the limit of penal amount of the bond, in event the cost of repair exceeded the said amount."

King School-

1952
Feb. 4 Letter Profenno Co. to Stevens " On February 4, 1952, we visited the above reference school during a heavy rain storm which the weather stations reported produced 1.41 inches of rain.

We found the underside of the Durisol plank in room 202 to be very dry and also the ceilings in the boys toilet room and entrance hall were dry. The Janitor reported there had been no signs of moisture conditions for some time in the building.

We found the underside of the Durisol plank to be wet in the crawl space between each the boys and girls toilet rooms. We found the janitor's closet adjoining this crawl space to be very humid and we also observed that theventilation system was not operating and through further inquiry found that this system is only operated during school hours."

May 11 After heavy rain at night ending in forenoon MacGibbon, Stevens, West and Profenno visited job. found water dripping steadily from roof plank near plumbing vent in Pipe Space.

June 23 Hahnel Bros. flooded roof .Damp spot noted at same location as of May 11. At commencement of Flooding. Stevens, West & Profenno present. This day discovered condensation on inside of ~~plastering~~ flash. around plumbing vent.

July 1 roof drained. Professor Hesselschwerdt of M.I...,Stevens, West and Goddard of Profenno Co. examined building. Damp spot had dried up. - No water in evidence coming thru.

Mr. Warren McDonald

King Jr. High

JOHN HOWARD STEVENS, A.I.A. JOHN CALVIN STEVENS, 2ND, A.I.A.
ARCHITECTS
187 MIDDLE STREET, PORTLAND 3, MAINE

February 20, 1952

COPY

Durisol Inc.
420 Lexington Ave.
New York 17, N.Y.

Gentlemen:

re: King Junior High School, Portland, Maine.

We wrote you on Dec. 3, 1951 regarding trouble with condensation under the Durisol roof on the above reference job. This has continued. The Building was complete and occupied in September of 1950. Since that time the Durisol has been wet in one area during cold weather, drying out each summer.

A path has recently been discovered for warm moist air from the crawl space to pass to the underside of the roof. This path has now been sealed and the Durisol is being dried out.

When the material has dried out, will it have deteriorated in strength or insulating value?

Very truly yours,

John Calvin Stevens 2nd

JCS

JCS/HM

cc Mr. Elliot P. Perkins, Chairman, Building Committee
Mr. Warren McDonald, Building Inspector
Dr. H. C. Lyseth, Secretary, Building Committee
Post Products Inc.
C. Profenno Co.

OJK

PERMIT ISSUED
00790
MAY 31 1950
CITY of PORTLAND

APPLICATION FOR PERMIT

Class of Building or Type of Structure Third Class

Portland, Maine, May 31, 1950

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for a permit to ~~erect, alter~~ 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 82-86 Deering Avenue Within Fire Limits? Dist. No.

Owner's name and address City of Portland Telephone

Lessee's name and address Telephone

Contractor's name and address Benjamin Wrecking Co., 12 Parris Street Telephone

Architect Specifications Plans no No. of sheets

Proposed use of building ~~Lodging house~~ No. families

Last use Lodging house (Maine School for Blind) No. families
Warehouse in connection with construction of school building

Material wood No. stories 2½ Heat Style of roof Roofing

Other buildings on same lot

Estimated cost $ Fee $1.00

General Description of New Work

To demolish existing 2½-story frame building 60' x 35'.
Do you agree to tightly and permanently close all sewers or drains connecting with public or private sewers from this building or structure to be demolished, under the supervision and to the approval of the Department of Public Works of the City of Portland? YES

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

Details of New Work

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

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

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

Material of foundation Thickness, top bottom cellar

Material of underpinning Height Thickness

Kind of roof Rise per foot Roof covering

No. of chimneys Material of chimneys of lining Kind of heat fuel

Framing lumber—Kind Dressed or full size?

Corner posts Sills Girt or ledger board? Size

Girders Size Columns under girders Size Max. on centers

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

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

On centers: 1st floor, 2nd, 3rd, roof

Maximum span: 1st floor, 2nd, 3rd, roof

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

If a Garage

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

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

PROVED:

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

City of Portland
Benjamin Wrecking Co.

Signature of owner by: Jerrard O. Benjamin

Permit No. 50/790

Location 82-86 Deering Ave

Owner City of Portland

Date of permit 05/31/50

Notif. closing-in

Inspn. closing-in

Final Notif.

Final Inspn.

Cert. of Occupancy issued

NOTES

JOHN HOWARD STEVENS, A.I.A. JOHN CALVIN STEVENS, 2ND, A.I.A.
ARCHITECTS
187 MIDDLE STREET, PORTLAND 3, MAINE

March 10, 1950

Mr. Warren McDonald
Building Inspector
City of Portland, Maine

re: DeeringAve. Jr. High School

Dear Mr. McDonald:

We enclose herewith for your files, a report from Profenno on the load test made on the questionable floor slab, first floor between columns #F-11 - 12 and E-11 - 12.

Since the total allowa[illegible] fle[illegible] would be about 1/4" and this test showed a total defle[illegible]on of only 0.006 of a foot (about the width of a pencil mark) we have no hesitation in certifying that the slab is fully up to requirements, and are much pleased and relieved at this showing.

Sincerely yours,

John Howard Stevens

JHS:MM

cc City Manager Lyman S. Moore
Mr. Elliot P. Perkins
Camillo Profenno Co.
Gilbert Small & Co.Inc.
Haller Testing Laboratories,Inc.

TELEPHONE 2-1979

copy for Mr. McDonald

DONATO C. PROFENNO, MANAGER

CAMILLO PROFENNO CO.
GENERAL CONTRACTORS
25 FREE STREET
PORTLAND 3, MAINE

March 9,1950

John Howard & John Calvin Stevens 2nd A.I.A.
187 Middle Street,
Portland,Maine

Gentlemen:

We are please to submit results of test made March 8 and 9th on section of floor as outlined in letter of Nov.14 to Mr. Warren McDonald,Building Inspector for City of Portland.

Bags of cement were used in loading the platform constructed and located as directed,and readings made with a transit level using a random datum established by the height of instrument.

Tabulated below are the results of the test.

Date	Load at Three Points		Reading In Feet	Time
Mar,8	2,364	2,364	6.4700	11 A.M.
" 8	4,638	4,638	6.4700	1 P.M.
" 8	6,691	6,597	6.4725	2 P.M.
" 8	6,691	6,597	6.4750	4:30 P.M.
" 9	6,691	6,597	6.4750	8 A.M.
" 9	6,691	6,597	6.4760	3 P.M.

RECEIVED
MAR 10 1950
DEPT. OF BLDG. INSP.
CITY OF PORTLAND

Yours Truly

C.Profenno Company

by Herbert E. Elliott
Herbert E. Elliott
Engineer

Certified
E. M. McGibbon
Clerk of Works.

JOHN HOWARD STEVENS, A.I.A. JOHN CALVIN STEVENS, 2ND, A.I.A.
ARCHITECTS
187 MIDDLE STREET, PORTLAND 3, MAINE

March 8, 1950

Mr. Warren McDonald
Building Inspector
City of Portland, Maine

Dear Sir: re: Deering Ave.Jr.High School

As a matter of record we write this to point out the discrepancy in required load for floor test as outlined in our letter of Nov.21-49 to Profenno, which you brought to our attention this morning.

The figures in our letter to you of Nov. 14-49 are correct.

This load (6644# on each of the 1/3 points) a total of 15054#, has been applied today and about 3 P.M. the Clerk-of-Works phoned us that no deflection was evident.

Another reading will be made tomorrow and a complete detailed report on the test will be filed with you.

Sincerely yours,

JHS

John Howard Stevens

JHS:MM

cc C. Profenno Co.
Mr.E.W.MacGibbon

(RC) RESIDENCE ZONE - C

PERMIT ISSUED
00277
MAR 8 1950
CITY of PORTLAND

N-TH

APPLICATION FOR PERMIT

Class of Building or Type of Structure Installation

Portland, Maine, March 2, 1950

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

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

Location 68-118 Deering Avenue Within Fire Limits? Dist. No.

Owner's name and address City of Portland Telephone

Lessee's name and address Telephone

Contractor's name and address Grinnell Co., c/o E. N. Sweetser, 38 Green St., Gorham, Maine Telephone

Architect Specifications Plans yes filed 4/9/950 No. of sheets 6

Proposed use of building Junior High school No. families

Last use No. families

Material brick No. stories 2 Heat Style of roof Roofing

Other buildings on same lot

Estimated cost $ Fee $ ~~Nil~~ 1.00

General Description of New Work

To install wet sprinkler system as per plans filed.

Permit Issued with Letter

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

Details of New Work

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

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

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

Material of foundation Thickness, top bottom cellar

Material of underpinning Height Thickness

Kind of roof Rise per foot Roof covering

No. of chimneys Material of chimneys of lining Kind of heat fuel

Framing lumber—Kind Dressed or full size?

Corner posts Sills Girt or ledger board? Size

Girders Size Columns under girders Size Max. on centers

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

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

On centers: 1st floor, 2nd, 3rd, roof

Maximum span: 1st floor, 2nd, 3rd, roof

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

If a Garage

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

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

Permit Issued with Letter

APPROVED:
with letter by A.J.S.

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

City of Portland
Grinnell Company

Signature of owner By: E. Sweetser

INSPECTION COPY

Permit No. 50/277

Location 68-18 Quincy Ave.

Owner Estate of C. Dorsfeld

Date of permit 3/8/50

Notif. closing-in

Inspn. closing-in

Final Notif.

Final Inspn.

Cert. of Occupancy issued

NOTES

AP 68-118 Deering Avenue-I

March 8, 1950

Grinnell Company
c/o Mr. A. N. Sweetser
38 Green Street
Gorham, Maine

Subject: Permit for installation of sprinkler system in new school building at 68-118 Deering Avenue

Gentlemen:

The permit for the above work is issued herewith based on the plans filed with the application. We note that no sprinkler heads are shown in any of the boys' and girls' toilets. The question is being raised as to whether those areas should be covered. Until a decision has been reached on this question, nothing is to be done on the installation that would affect provision of sprinkler heads in the areas involved.

Very truly yours,

Warren McDonald
Inspector of Buildings

AJS/G

CC; Messrs. John Howard & John Calvin Stevens
187 Middle Street

C. Profenno Company
125 Marginal Way

Mr. McDonald

JOHN HOWARD STEVENS, A.I.A. JOHN CALVIN STEVENS, 2ND, A.I.A.
ARCHITECTS
187 MIDDLE STREET, PORTLAND 3, MAINE

COPY

September 2, 1949

Dr. Harrison C. Lyseth
Secretary of Committee-
Deering Ave.Jr.High School
City of Portland, Maine

My dear Dr. Lyseth:

The Committee discussed the advisability of installing a base stack hopper in the bottom of the chimney to prevent "fly-ash" from going up the flue when cleaning out.

Mr. McDonald referred us to Ruel E. Taylor Jr. and Mr. Taylor said this hopper was generally furnished by the company he represents only for installation in conjunction with their automatic arrangement for re-claiming fly-ash, but he submitted our request and has written a letter quoting $100., f.o.b. Birmingham, Alabama, delivery about 30 days from receipt of order.

Since, for best results and ease of installation this should be on hand when the chimney construction starts, we recommend an early decision on this by the Committee.

Mr. McDonald recommended that it should be installed.

Sincerely yours,

John Howard Stevens

JHS:MM

cc Mr. Elliot P.Perkins
Mr. Warren McDonald

Mr. McDonald

JOHN HOWARD STEVENS, A.I.A. JOHN CALVIN STEVENS, 2ND, A.I.A.
ARCHITECTS
187 MIDDLE STREET, PORTLAND 3, MAINE

COPY

August 23, 1950

Grinnell Company, Inc.
Executive Offices
Providence, 1, R.I.

Gentlemen: re: Deering Ave.Jr. High School

We are in receipt of copy of report of the rating association on the above project, listing three items to be corrected as follows:

"The sprinkler installation at the above captioned property has been inspected for approval, and we find that we cannot give our approval at this time for the following reasons: 1, The 2" Sprinkler drain discharges directly into the valve pit, and provisions should be made for this discharged water to be piped elsewhere, in a satisfactory manner, 2, Several Sprinklers are obstructed in the rooms adjoining the gymnasium by ducts and other piping, 3, One Sprinkler obstructed by a ventilating duct in the janitor's room on the second floor."

We understand you have a copy of the above which is in a report to our local inspector of buildings.

Concerning Item #1 - Mr. John Howard Stevens has talked with Mr. Carter, engineer for the rating association, and explained the condition existing at the drain discharge. Mr. Carter agrees, that the only way the condition can be improved at this point would be to provide a portable funnel for insertion in the cleanout to the sewer, which is 6" immediately below the discharge, with a 6" gap. It is not possible to provide an open connection to the sewer, even tho trapped, since water would evaporate from the trap in a short time.

Will you please correct these items immediately.

Sincerely yours,

John Calvin Stevens 2nd

JCS:MM

cc Mr. Warren McDonald
Mr. Walter E. Hook

B? 84 Deering Avenue-1
(Sprinkler systemPermit)

P.S. I am told that these details are normal requirements and should not cost the owner extra.

August 21, 1950

Messrs. J. H. & J. C. Stevens
187 Middle Street
Camillo Profenno Company
125 Marginal Way

Copies to: Fred H. West, Superintendent of Public School Buildings
Mr. Walter E. Hook, Divisional Mgr.
New Eng. Fire Ins. Rating Association
477 Congress Street

Gentlemen:

With relation to the sprinkler installation at the King Junior High School at 84 Deering Avenue, I have received the following from the Divisional Manager of New England Fire Insurance Rating Association at 477 Congress Street in Portland:

"The sprinkler installation at the above captioned property has been inspected for approval, and we find that we cannot give our approval at this time for the following reasons: 1, The 4" Sprinkler drain discharges directly into the valve pit, and provisions should be made for this discharged water to be piped elsewhere, in a satisfactory manner. 2, Several Sprinklers are obstructed in the rooms adjoining the gymnasium by ducts and other piping. 3, One Sprinkler obstructed by a ventilating duct in the janitor's room on the second floor."

Please be good enough to notify Mr. W. E. Hook, Divisional Manager of New England Fire Insurance Rating Association at 477 Congress Street, when these details have been cared for, and let me have a copy of the letter.

On the Rating Association letter is indication that a copy of the letter has been sent to Grinnell Company at Providence.

Very truly yours,

Warren McDonald
Inspector of Buildings

WMcD/O

Dear Mr. Hook:

I appreciate very much Mr. Carter's notice of these discrepancies, and I trust that he will hear very soon that they have been cared for.

Warren McDonald, Inspector of Buildings

NEW ENGLAND
FIRE INSURANCE RATING ASSOCIATION
MAINE DIVISION
477 CONGRESS ST., PORTLAND 3, MAINE
ADDRESS MAIL PEARL ST. STATION, P. O. BOX 351

WALTER E. HOOK
DIVISIONAL MANAGER

August 17, 1950

Mr. Warren McDonald
Building Inspector
City Hall
Congress Street
Portland, Maine

Dear Sir:

Re: King Junior High School
84 Deering Ave.
Portland, Maine
I. R. D. #9474

The Sprinkler Installation at the above captioned property has been inspected for approval, and we find that we cannot give our approval at this time for the following reasons: 1, The 2" Sprinkler drain discharges directly into the valve pit, and provisions should be made for this discharged water to be piped elsewhere, in a satisfactory manner, 2, Several Sprinklers are obstructed in the rooms adjoining the gymnasium by ducts and other piping, 3, One Sprinkler obstructed by a ventilating duct in the janitor's room on the second floor.

We trust that this information will receive your attention and we will await your advices.

Very truly yours,

W E Hook

Divisional Manager

By: M. B. Carter
M. B. Carter

MBC:G

A copy of this letter has been sent to the Grinnell Co., of Providence 1, Rhode Island.

68-118 Deering Avenue
(Deering Avenue J. H. S.
Sprinkler System)

February 17, 1950

Mr. J. L. Burgher, Manager
New England Fire Insurance Rating Association
89 Broad Street
Boston, Massachusetts

Subject: Automatic sprinkler system
for Deering Avenue Junior High School
at 68-118 Deering Avenue in Portland
Your file: I R D 69474

Dear Mr. Burgher:

This letter will confirm to a large extent the statement of the Grinnell Company as to your approval of the sprinkler plans for our new junior high school.

The City's Building Committee of which I am a member, had no idea that the proposed sprinkler system would be such as to receive the full approval of your excellent service. I learned from Mr. Podufaly of the Grinnell Company that there would be some question of your full approval of the plans only after we had gotten full benefit from competitive bidding and, I believe, after the sprinkler surface had been laid in and some of the branch sprinkler lines in the extensive "crawl space" beneath the building.

He explained that the Association have some rules relating to sprinkler systems in Light Hazard Occupancies which our architect did not know about when the specifications were written and the bids taken, and that he was doubtful if the Association could stamp the Grinnell plans as approved, an act which is required by our Building Code before the building permit for initial addition may be issued. It was then too late to change the plans to meet the Rating Association rules, except at extensive cost to the City. Judging from experience in other jobs, I told him that, after the full situation was known, I hoped that the Association would give unqualified approval, but, if not, I felt sure that you would be able to stamp the plans adding whatever additions you felt necessary—as you have done with private jobs in the past, and which service we appreciate very much as giving an expert check on the details of any system, which no building department is able to give.

As I remember the special rules, the Association feels that the piping in systems for Light Hazard Occupancies should comply with the rules in the standards of the National Board or Ordinary Hazard Occupancies and that in certain areas the heads should be spaced according to the Ordinary Hazard Occupancy instead of the Light Hazard Occupancies as indicated in the rules.

The main school and the separated locker room (2 stories high without basement) is of fireproof construction, and the attached "all-purpose" section has to be classified lower (heavy-timber) only because the long-span joints in the roof are not to be fireproofed. While the NBFU Code does not recommend a sprinkler system in this type of construction and class of occupancy, regardless of area, our Building Code requires the sprinkler system with details according to NBFU Pamphlet No. 13, even in fireproof construction, because the area undivided by fire walls exceeds the limits stipulated by the Code, allowing omission of heads from classrooms and from places of assembly accommodating more than 100 persons. The Building Committee decided upon the sprinkler system to avoid an expensive and awkward 4-hour separation within the main building and because they felt that the sprinkler system would be far better than the separation for the safety of the building and more important the occupants. The 4-hour separation is being provided between the main school and the all-purpose section.

Apparently our architect followed the instructions of our Code and its reference to the standards of the National Board as contained in Pamphlet No. 13 for detail, with

the feeling that the kind of protection described in the rules would be adequate in view of the occupancy and of the superior type of construction.

Very truly yours,

Warren McDonald
Inspector of Buildings

WMcD/G

CC: Grinnell Sprinkler Company
Attn: Mr. Podufaly
375 West Exchange Street
Providence, Rhode Island

Messrs. John Howard & John Calvin Stevens
137 Middle Street

Lyman S. Moore
City Manager

Elliott F. Perkins, Chairman of Committee
192 Middle Street

NEW ENGLAND
FIRE INSURANCE RATING ASSOCIATION

89 BROAD STREET, BOSTON

ADDRESS MAIL
BOX 2057, BOSTON 6, MASS.

BENJAMIN M. HERMES
EXECUTIVE MANAGER

RALPH SWEETLAND
SECRETARY-TREASURER

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

RECEIVED
FEB 13 1950
DEPT. OF BLDG. INSP.
CITY OF PORTLAND

FEBRUARY 11,1950

Mr. Warren McDonald, Bldg Inspector
City Hall,Congress Street,
Portland Maine.

THE DEERING AVE. JUNIOR HIGH SCHOOL
PORTLAND MAINE.
I R D #9474

Dear Sir:-

We have received blue prints of a partial sprinkler system which, we understand, is to be installed in the above captioned High School , by the Grinnell Company.

The layout for this sprinkler system is for light hazard occupancy. However, there is a rule in this office that where partial sprinkler systems are concerned, the piping and spacing be for ordinary hazard occupancy. In contacting the Grinnell Company, we have received a letter from them stating,in part, as follows -

> "Mr. McDonald, Building Inspector, Building Department Portland Maine, ruled that he wanted a light hazard system as called for in the Specifications. Further, after I asked him about the N. E. Fire Insurance Rating Association's approval, he told me to submit our plans to you and, that you could stamp them with your approval and mark your objections on the prints, in crayon."

So that there may be no misunderstanding regarding our approval of these prints, will you please confirm the above statement, to this office.

Yours very truly

S. L. Burgher

S. L. Burgher
Manager

JWH/M

Will advise when ready for inspection

NEW ENGLAND
FIRE INSURANCE RATING ASSOCIATION

89 BROAD STREET, BOSTON

ADDRESS MAIL
BOX 2057, BOSTON 6, MASS.

BENJAMIN M. HERMES
EXECUTIVE MANAGER

RALPH SWEETLAND
SECRETARY-TREASURER

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

FEBRUARY 24,1950

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

THE DEERING AVE JUNIOR HIGH SCHOOL
68-118 DEERING AVE
PORTLAND MAINE.
I R D #9476

Dear Sir:-

This will acknowledge receipt of your letter of February 17,1950 regarding the Automatic Sprinkler System which is to be installed in the section of the new High School and, following receipt of your letter, we have stamped these plans with our approval, this approval being for the plans as submitted. We are returning the plans today to the GRINNELL CO.

Thank you for your information on this matter.

Yours very truly

S. L. Burgher

S. L. Burgher
Manager

JWH/M

RECEIVED
FEB 27 1950
DEPT. OF BLDG. INSP.
CITY OF PORTLAND

Mr.Warren McDonald

JOHN HOWARD STEVENS, A.I.A. JOHN CALVIN STEVENS, 2ND, A.I.A.
ARCHITECTS
187 MIDDLE STREET, PORTLAND 3, MAINE

November 21, 1949

COPY

Camillo Profenno Co.
Deering Ave.Jr. High School Job
84 Deering Ave.,Portland, Maine

Gentlemen:

re: Deering Ave.Jr.High School -

When the load test is undertaken on the area designated in our letter to Mr. McDonald of the 14th, it is probabld that bags of cement will be the easiest way of producing the load.

At each of the 1/3 points of the span, lay a piece of 4 x 6 across the ribs 4'-8" long, spanning two ribs 4'-10" center to center. On these lay 2" plank to make a platform 4'-8" wide and 10'-0" long.

The weight of this will be about 230# or 115# on each 1/3 point.

Then at each 1/3 point lay two bags of cement end to end above the 4 x 6 stringer, and two on each side of it, making a group of 6 bags.

Add 4 more layers of 6 bags, making a total of 30 bags which, at 90# per bag, will give us a load of 2700# on each 1/3 point. Adding to this the weight of the lumber, we will have 2850#.

The required load at each 1/3 point is 3324. Therefore, for the top (6th) layer, use 5 bags equal 450# bringing the load to 3300# and the 24# can be added with bricks.

The deflection to be measured with machinist's gauges below the slab at the center point, the bottom of the rod to rest on a previously placed slab of concrete.

The loads to remain for 25 hours and after removal the amount of recovery of the deflection is to be noted.

In applying the loads, a reading should be taken after each layer is placed, so that the loading is applied gradually.

Sincerely yours,

JHS

John Howard Stevens

JHS:MM

cc Mr. Warren McDonald
Mr.E.W.MacGibbon

3/4/50 Test load should be 6699 lbs. This was called to the attention of J.H. Stevens TPH

FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, 11/19/49

PERMIT ISSUED
02096
DEC 1949
CITY of PORTLAND

N-A-H

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 88 Deering Ave Use of Building School Bldg No. Stories 2 New Building ✓ Existing "

Name and address of owner of appliance City of Portland (School Dept)

Installer's name and address Ballard Oil & Equipt Co Telephone 2-1991 11/25/49

11/28/49

General Description of Work

To install 2 Todd Automatic Burners for #6 oil in new Steam Heating Boilers

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 Todd RAH 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 (Burners hung on steel frame)

Location of oil storage Underground Number and capacity of tanks 1-10000

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 of 12

Total capacity of any existing storage tanks for furnace burners None

IF COOKING APPLIANCE

Permit issued with Memo

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

These are Todd Type RAH Automatic Burners same as installed at Sears Roebuck Co - M.T. Grant Co in Portland

For new Deering Ave Jr High School

Amount of fee enclosed? 2.50 ($2.00 for one heater, etc., 50 cents additional for each additional heater, etc., in same building at same time.)

APPROVED:

11-30-49

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

INSPECTION COPY

Signature of Installer Ballard Oil & Equip Co

By R. N. Dunton.

PH

A

Permit No. 49/3/2 20 80

Location 88 Deering Avenue

Owner City of Portland

Date of permit 12/3/49

Approved

NOTES

1 R

1 Fill Pipe

2 Vent Pipe

3 Kind of Heat

4 Burner [illegible] Supports

5 [illegible]

6 [illegible]

7 High [illegible] Control

8 Remote Control

9 Piping [illegible] Connection

10 Valves [illegible]

11 Capacity [illegible]

12 Tank Location [illegible]

13 Tank Distance [illegible]

14 Oil Line

15 Instruction Card

16

Memorandum from Department of Building Inspection, Portland, Maine

88 Dearing Avenue—Installation of oil burning equipment for City of Portland by Ballard Oil & Equipment Co., installers

Before tank and piping is covered from view, installer is required to notify Fire Department Headquarters of readiness for inspection and to refrain from covering up until approved by the Fire Department.

This tank of 10,000 gallons capacity is required to be of steel or wrought iron no less than ¼ inch nominal thickness and before installation is required to be protected against corrosion, even though galvanized, by two preliminary coats of red lead and heavy coat of hot asphalt.

Pipe lines connected to underground tanks, other than tubing and except fill lines and test wells, must be provided with double swing joints arranged to permit the tank to settle without impairing the efficiency of the pipe connections.

Owner and installer will have to bear the responsibility for the structural capacity of the tank to support loads from above such as heavy motor trucks.

If tank will be so located as to be subjected to the action of side water or "ground" water, adequate anchorage or weighting must be provided to prevent "floating" when tank is empty or nearly so.

CC: Fred M. Best
Supt. of School Buildings

Oliver T. Sanborn, Chief
of the Fire Department

(Signed) Warren McDonald
Inspector of Buildings

JOHN HOWARD STEVENS, A.I.A. JOHN CALVIN STEVENS, 2ND, A.I.A.
ARCHITECTS
187 MIDDLE STREET, PORTLAND 3, MAINE

November 14, 1949

Mr. Warren McDonald
Building Inspector
City of Portland, Maine re: Deering Ave.Jr.High School

Dear Sir:

In making preparations for applying a test load to the questionable panel in first floor, carried by the beams 11-G - 12-G and 11-F - 12-F we would like to review the proposed procedure with you.

These beams are 24" deep and the span is 16'-0" carrying mainly the corridor floor. A partition lands on them about 2'-0" from each end.

The liveload is computed at 100# per sq.ft. in corridor section, and 50# per sq.ft. in classroom section.

The deadload is the weight of the beam and floor and these two partitions.

Mr. Small recommends that rather than make a distributed load, we take 8/9 of the total load and apply it at the 1/3 points of the span.

Mr. Small recommends that deflection be measured by machinist's gauge between rods from underside of beam to a solid bearing below, rather than attempt to use a surveyor's level.

The required load to be applied will be twice the liveload (100x 2) and 1/2 of the deadload.

We propose to apply these loads gradually keeping a reading of the gauge (placed under the center) as the load is increased.

The load to remain for 25 hours and then be removed, recording recovery of deflection, if any.

If we attempted to test one of the main girders, the test load to be applied would be 61682# and 8/9 of it is 55014 to be applied at each of the 1/3 points, or 27507#.

This seems to be difficult and ungainly load to manage properly, and it seems to us that a test on a floor panel will be just as revealing and not require so much handling of heavy material in making the test.

Therefore, we propose to test a section of floor panel from girder to girder, the width of two pans (i.e. one full pan and 1/2 of each adjoining pan) making an area of 4-1/3 x 14-2/3 and a depth of 10½".

November 14, 1949

STEVENS
ARCHITECTS

re: Deering Ave.Jr.High School

Mr. Warren McDonald
Building Inspector, City of Portland

-2

This gives us 63.5 sq.ft.

Deadload of section	=	4423#				
" " topping	=	285#				
Total d.l.		4708#	÷	2	=	2354#
Liveload ----------	=	6350#	x	2	=	12700#
Total test load					=	15054

8/9 x 15054 = 13288 ÷ 2 = 6644 to be applied on each of the 1/3 points of span.

$$D = \frac{L^2}{12000\,t} = \frac{14.6 \times 14.6}{12000 \times .875} = \frac{215.23}{10500} = .02 \text{ ft. or a scant } 1/4''$$

which is the allowable deflection.

As to material to use for producing the weight, we will let the contractor decide. There is a pile of paving stones at the back of the lot that Harry May gave us permission to use when we were considering a soil bearing test, or steel oil drums filled with water might be used, or bags of cement. Each unit to be carefully weighed, or in the case of paving stones an average weight per stone can be found, and record the number of stones used.

We should be glad to have your comments or any suggestions.

Sincerely yours,

John Howard Stevens

JHS:MM

cc Camillo Profenno Co.
Mr. E.W.MacGibbon
Mr. Gilbert Small

FROM THE OFFICE OF GILBERT SMALL & CO., INCORPORATED. 10 STATE STREET, BOSTON

October 25, 1949

John Howard Stevens
John Calvin Stevens, 2nd
137 Middle Street
Portland, Maine

Gentlemen: Deering Ave. Junior High School

The writer has just been discussing the question of low strength concrete which was noted by Mr. Robert L. Magee, of the Haller Testing Laboratories Inc., in his letter to you dated September 12th. At that time he called attention to the seven-day test of concrete cylinders using Scarboro sand, which tested as low as 300 P.S.I. in one instance and 353 P.S.I. in another, as compared with cylinders made with regular Cumberland sand running 1675# P.S.I.

We have in our files a copy of a 45-day test made on the last cylinder, which showed a strength as low as 778#, whereas 2500# is required at twenty-eight days.

I understand that the location in which this concrete was used is known to the foreman and to your inspector, Mr. MacGibbon, and probably to you. The only question we raise at this time is what you intend to do about it - if anything. In reading over the specifications under [illegible] section 7 - item (f) shows several ways in which such an occurrence is usually taken care of but we doubt if core samples can be taken from either the ribs or the 2-1/2" slab on account of rods being in the former and the latter being too thin. To take core samples would cost about $100 for the day's work for three such samples, and to get the equipment from Boston and back would cost another $100.

Possibly, you could locate the area in which this concrete was used by pounding the slab with a heavy hammer to find the spot which appears to be dead or soft, or without the usual "ring" under a [illegible]. The members thus located could be tested by a proper load test in the building. With careful dial gauges and grade references, permanent set or deflections could be detected. If no such set occurred under the test load, then the work would be accepted as it is, or if permanent set did occur, you probably might decide to remove the area affected and replace it with new work.

We have a record of it. JHS.

Very truly yours,

GILBERT SMALL & CO. Incorporated

By Gilbert Small

GS/f