

52 62-112 Fearing Avenue  
(P.O. Junior High School)

October 4, 1949

Camille Profumo Company  
4 Fearing Avenue  
Portland, Maine

Subject: Certification of welders in connection with  
construction of Fearing Avenue Junior High School  
at 62-112 Fearing Avenue

Gentlemen:

All welders working on structural steel, steel joists or long span joists on the school job are required to be covered by certification as to qualification filed at this office; and the design of all welded joints, whether in standard structural steel shapes, in steel joists or in long span joists has to be certified at this department in advance by the designer as having been designed according to the Code of the American Welding Society.

It is important that you secure from the contractor furnishing the standard steel shapes and the steel joists and the long span joists a written certification by his designer that all welded joints have been designed to comply with the Code of the American Welding Society, and file these written certifications at this office as soon as possible.

We have the report that considerable welding on building construction is being done within the City by welders who either are not aware of the requirements of the Building Code as to certification, or are ignoring them, and have not certified themselves as being qualified within one year prior to the date of doing the welding. For this reason we are checking up more carefully than we ever have before, and it would be considerable of disappointment to find anything wrong, as regards compliance with the Building Code, with the welding of the new school.

It is my impression that Sturteff & Martin are furnishing and probably erecting all of the steel, including the steel joists and the long span joists. That firm has at least two welders in their shop, who probably work in the field also, who are effectively certified at this department.

The Building Code standards as set up by the Municipal Officers contain two methods of certification for welders on light steel construction such as the steel joists and the long span joists.

If this light steel is fabricated in a shop within the Portland area, all welders working on the joints are required to be certified here direct within one year prior to the date of performing the welding.

If either the steel joists or the long span joists are fabricated outside of the Portland area, the Building Code allows a blanket certification to be filed in writing by the manufacturer of the joists establishing that all welding on the joists has been or will be performed only by welders who have been qualified under the qualification procedure of the American Welding Society (no other procedure will do) within one year prior to the date of performing the welding.

So that no questions may arise when the joists and long-spans arrive on the job, it would be well to proceed to get these certifications both as to the design of the welded joints, which must come in every case from the manufacturer's designer, and the welding of the joints in the shop when the shop work is done outside of the Portland area.

Re Profanno Company-----2

October 4, 1949

To expedite this matter a copy of this letter is enclosed for your structural steel,  
steel joist and long span joist sub-contractor.

Very truly yours,

Warren McDonald  
Inspector of Buildings

WMCD/G

CC: to Profanno Company with original

Messrs. J. H. & J. C. Alvord  
187 Middle Street

Mr. Edmund MacGibbon, Clerk-of-the-Works  
84 Leaning Avenue

68-118 Deering Avenue  
(Junior High School)

May 31, 1949

C. Profenna Company  
25 Free Street  
Portland, Maine

Subject: Permits for Deering Avenue Junior High School  
at 68-118 Deering Avenue

Gentlemen:

As per the specifications, building permits are required for this City-owned job in the same manner as for other, and the several fees are to be paid as for a privately owned project.

Please file application for the general construction permit as soon as possible and pay the building permit fee which will be the maximum assigned by law of one hundred and fifty dollars.

We have a set of plans and specifications filed here by the architects, and as soon as we have checked the proposition over, closely enough to issue the permit, you will be advised upon what basis as to sheet plans and specifications and addenda thereto, the permit is issued.

Please notify all of your sub-contractors for the various installations that they require permits in the same manner as though this were a private job. Permit for the plumbing is to be taken from the Health Department, for electrical work from the Electrical Department, of course. Permits for installation of boilers and stokers, of cafeteria range, of domestic hot water heater, of any other heating or cooking units, of mechanical systems of ventilation not directly connected to the heating system, of mechanical refrigeration other than the "plug-in" type and of the sprinkler system are to be applied for at this department by the actual installing company and the permits for these features are issuable only to the actual installers.

Please note to the sprinkler contractor that with his application for the permit must be filed plans of the sprinkler layout, bearing on them the stamp of approval of the New England Fire Insurance Rating Association. Especially note to the sprinkler contractor that the plans of the system are to be filed here well in advance of their desire to start work, as due to the hurry in which the specifications for the sprinkler system were gotten up, it is necessary to check accurately the proposed coverage of heads against Building Code requirements, irrespective of the approval by the New England Fire Insurance Rating Association.

Very truly yours,

WMCD/G

Inspector of Buildings

CC: Messrs. John Howard & John Calvin Stevens  
167 Middle Street

Gentlemen:

Please ask Gilbert Small & Company to fill out and sign the statement of design called for by Section 104-b-3 of the Building Code, and forward direct to this office so it may be attached to their plans. Please ask them to indicate the specific sheet numbers of the plans which now apply to the job, these sheets to include both reinforced concrete and structural steel of all kinds.

Messrs. J. H. & C. Stevers-----2

May 31, 1949

If your firm is responsible for the design of some of the structural steel, then you should furnish your statement of design to be attached to your plans, and please indicate which sheet numbers of your plans the statement applies to.

Presumably it will not be long before piles are being driven. Please see to it that a record of all information as to penetration of the piles and the computation of bearing capacity is filed in this office for future reference. Presumably the notes on the field will be taken in the rough by the Clerk of the Works, and the finished data will be prepared in your office.

Very truly yours,

Inspector of Buildings

Mr. McDonald

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

COPY

September 28, 1949

Mr. Ruel E. Taylor  
25 Commercial Street  
Portland, Maine

re: Dearing Ave. Jr. High School

My dear Mr. Taylor:

Following our letter of September 20, this will confirm the verbal order given you yesterday on behalf of the City of Portland for a standard base stack hopper for a 48" x 40" brick stack, complete with clean out gate. The price to be \$100. net F.O.B. Birmingham, Alabama.

Shipping directions will be -

Canillo Profenno Company

Junior High School

84 Dearing Avenue

Portland, Maine

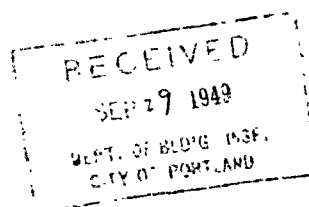
Bill to be made out to City of Portland and sent to us for approval.

Sincerely yours,

*HH*  
John Howard Stevens

JHS:MM

cc Dr. Harrison G. Lyseth  
Mr. Elliot P. Perkins  
Mr. Warren McDonald



Mr. Warren McDonald

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

September 30, 1949

**C O P Y**  
The Haller Testing Laboratories, Inc.  
104 Cummington Street  
Boston 15, Mass.

Attn: Mr. Robert L. Magee re: Deering Ave. Jr. High School Job  
Gentlemen:

After my discussion of the sand with you this morning, I wrote a letter ordering that no more Scarboro sand should be used. Mr. Stanley of Cook & Company, who furnished the concrete, was quite exercised over this order, and has told me, that he is positive that he can furnish sand that will consistently meet the requirements of the specifications, and for that purpose would like to have your man down here at his plant and make a test of the sand before it is used in the concrete mix.

I will either drop you a line or telephone you as to what day next week to have the man down here.

The reason for my order was simply that I felt it was the only way in which we could be sure of having consistently proper gradation of the sand. After all, we did not specify any particular sand but only the proper qualities of sand, and it is immaterial to us whether it is Back Bay sand, or any other kind of sand, so long as it meets the specifications, and Mr. Stanley assures us that he can do this.

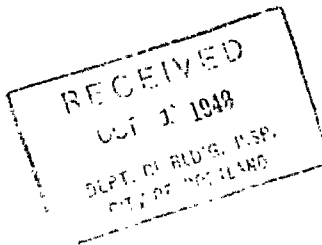
Sincerely yours,

John Howard Stevens

By *JHS*

JHS:MM

cc Camillo Profenno Co.  
Mr. E.W. MacGibbon  
Mr. Warren McDonald



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

October 28, 1949

Mr. Warren McDonald  
Building Inspector  
City of Portland, Maine

re: Deering Ave. Jr. High School

Dear Mr. McDonald:

Enclosed is a copy of letter dated Oct. 25<sup>th</sup> 49 from  
Gilbert Small, regarding the area where Scarboro sand was  
used in first floor.

On the job there does not seem to be any appreciable  
difference between this area and others. It has the same  
solid "ring" under pounding that is given by other areas; but,  
in view of the laboratory tests, it is decidedly questionable.

We propose to have a load test made on it and thought  
you might wish to be present when such test is made.

Mr. Small recommends a dial reading, by use of a rod in  
two sections applied to the underside of the slab, with a  
machinist's dial gauge, rather than depending on a transit  
level.

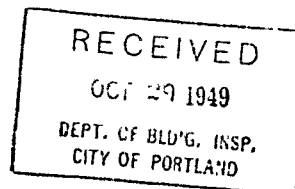
Your advice in the matter will be much appreciated, and  
we will have the test made at such time as will suit your con-  
venience.

Sincerely yours,

*John Howard Stevens*  
John Howard Stevens

JHS:MM

Enclosure.





(RC) RESIDENCE ZONE - C

# APPLICATION FOR PERMIT

Class of Building or Type of Structure . . . . . Installation . . . . .

Portland, Maine, August 26, 1949

PERMIT ISSUED

AUG 31 1949

CITY OF PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for a permit to ~~erect a new building~~ install the following building structure ~~erect~~ 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? no Dist. No. \_\_\_\_\_  
Owner's name and address City of Portland Telephone \_\_\_\_\_  
Lessee's name and address Camillo Profenno Co., 125 Marginal Way Telephone \_\_\_\_\_  
Contractor's name and address Gulf Oil Corp., 601 Danforth Street Telephone 3-5356  
Architect \_\_\_\_\_ Specifications \_\_\_\_\_ Plans yes No of sheets 1  
Proposed use of building \_\_\_\_\_ No. families \_\_\_\_\_  
Last use \_\_\_\_\_ No. families \_\_\_\_\_  
Material \_\_\_\_\_ No. stories \_\_\_\_\_ Heat \_\_\_\_\_ Style of roof \_\_\_\_\_ Roofing \_\_\_\_\_  
Other buildings on same lot \_\_\_\_\_  
Estimated cost \$ \_\_\_\_\_ Fee \$ 1.00

## General Description of New Work

To install 1-550 gallon tanks for gasoline. Storage to be for private use. Tanks will be 6' underground and painted with asphaltum. Tanks bear Underwriters Label. ~~Maximum 2-550 gallon tanks for oil or fuel of 6000 lbs. each to be installed above.~~

BEFORE Covering Tank and any Piping APPROVAL of FIRE DEPT. Required.

Sent to Fire Dept. 8/26/49  
Recd. from Fire Dept. 8/30/49

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

## 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. R. idging 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:

[Signature]  
[Signature of City Inspector]

## 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

Gulf Oil Corp.

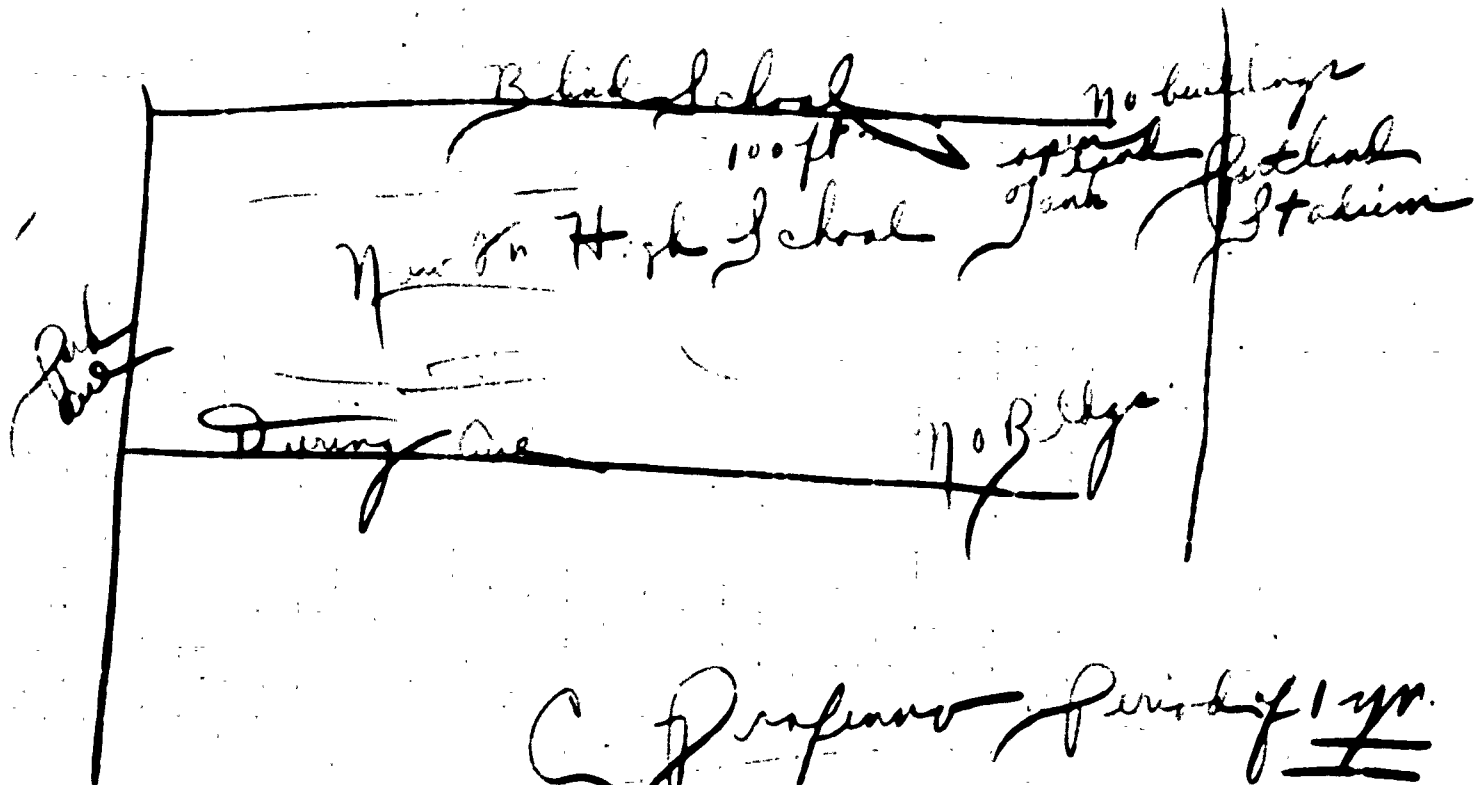
Signature of owner By: [Signature]

INSPECTION COPY

A  
Permit No. 49/1377  
Location 18-118 Reading Ave  
Owner David L. [unclear]  
Date of perm. 6/31/49  
Notif. closing-in \_\_\_\_\_  
Inspn. closing-in \_\_\_\_\_  
Final Notif. \_\_\_\_\_  
Final Inspn. \_\_\_\_\_  
Cert. of occupancy issued \_\_\_\_\_

NOTES

[The notes section contains a large 'X' mark drawn across the first few lines, and the remaining lines are blank.]



C. Professor Period of 1 yr.

Half Day



## APPLICATION FOR PERMIT

Class of Building or Type of Structure \_\_\_\_\_ Installation \_\_\_\_\_

Portland, Maine, August 12, 1949

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for a permit to ~~construct~~ install the following ~~building~~ 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 Dearing Avenue Within Fire Limits? no Dist. No. \_\_\_\_\_  
Owner's name and address City of Portland Telephone \_\_\_\_\_  
Lessee's name and address Camillo Profenna Co., 125 Marginal Way Telephone \_\_\_\_\_  
Contractor's name and address Gulf Oil Corp., 601 Danforth Street Telephone 3-5556  
Architect \_\_\_\_\_ Specifications \_\_\_\_\_ Plans yes No. of sheets 1  
Proposed use of building \_\_\_\_\_ No. families \_\_\_\_\_  
Last use \_\_\_\_\_ No. families \_\_\_\_\_  
Material \_\_\_\_\_ No. stories \_\_\_\_\_ Heat \_\_\_\_\_ Style of roof \_\_\_\_\_ Roofing \_\_\_\_\_  
Other buildings on same lot \_\_\_\_\_ Fee \$ 1.00  
Estimated cost \$ \_\_\_\_\_

### General Description of New Work

To install 2-550 gallon tanks for gasoline. Storage to be for private use. Tanks will be 6' underground and painted with asphaltum. Tanks bear Underwriters Label. No pumps.  
To install 2-550 gallon tanks for diesel fuel oil. Same specifications as above.

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 Gulf Oil Corp.

### 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 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:

### Miscellaneous

Will work require disturbance 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  
Gulf Oil Corp.

Signature of owner by: W. H. Thornton

INSPECTION COPY

NOTES

|                           |  |
|---------------------------|--|
| Permit No.                |  |
| Location                  |  |
| Owner                     |  |
| Date of permit            |  |
| Notif. closing in         |  |
| Inspn. closing in         |  |
| Final Notif.              |  |
| Final Inspn.              |  |
| Cert. of Occupancy issued |  |

Handwritten notes and signatures are present in the top section of the form, including a large signature that appears to read "John H. [illegible]". The rest of the form consists of multiple horizontal lines for additional notes.



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR  
HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, August 10, 1949

PERMIT ISSUED  
01251  
AUG 11 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 68-118 Deering Avenue Use of Building School No. Stories 2 New Building XXXXXX  
Name and address of owner of appliance City of Portland  
Installer's name and address Ralph A. Young, 35 Washington Avenue Telephone 5-1011

General Description of Work

To install steam heating system (2 boilers)

IF HEATER, OR POWER BOILER

Location of appliance or source of heat separate boiler room Type of floor beneath appliance concrete  
If wood, how protected? concrete Kind of fuel coal  
Minimum distance to wood or combustible material, from top of appliance or casing top of furnace concrete  
From top of smoke pipe concrete From front of appliance concrete From sides or back of appliance concrete  
Size of chimney flue concrete Other connections to same flue none  
If gas fired, how vented? concrete Rated maximum demand per hour

IF OIL BURNER

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

IF COOKING APPLIANCE

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

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

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:

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

Ralph A. Young

Permit No. 49/1251  
Location 68-118 Deering Ave  
Owner City of Portland  
Date of permit 8/11/49  
Approved \_\_\_\_\_

NOTES

Mr. McDonald

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

C O P Y July 7, 1949

Camillo Profenno Co.  
84 Deering Ave.  
Portland, Maine

re: Deering Ave. Jr. High School

Gentlemen:

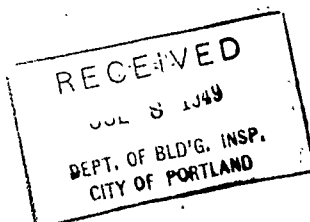
This is to confirm a decision made recently, and given to you and Mr. Snodgrass thru our Clerk-of-Works, that we were satisfied to fill the shells of the concrete piles, as driven in the region of the boiler room, where there are several piles with cut-off above the level of grade 15. This decision is made, however, on the basis that more careful efforts will be used in an attempt to have all future cut-offs at grade 15 according to specifications.

Sincerely yours,

*JHS*  
John Howard Stevens

JHS:MM

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



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

July 1, 1949 JUL 1 1949

RECEIVED

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

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

re: Deering Ave. Jr. High School

Dear Sir:

Regarding Piling. In further reference to the question regarding piling that we discussed with you yesterday, we are

enclosing herewith a letter from Mr. Gilbert Small, dated June 30, which so nearly coincides with my own thinking in regard to the question of permanent water level in the vicinity of the boiler room, that I am wholly agreeable to adopting Mr. Small's suggestion and leaving the few piles which have the joint slightly above the 15 grade cut-off level, because, in my opinion, it is perfectly safe to assume, that the water level in that particular section will not go much below where we have found it under these present conditions.

Mr. Snodgrass understands that we are to insist on making every effort to have all other cut-off levels at grade 15, and, at present, this is being successfully accomplished.

Before issuing my final orders to the contractor, I would like to have your approval also.

Sincerely yours,

*JHS*  
John Howard Stevens

JHS:MM

cc Mr. E. W. MacGibbon, Clerk-of-Works

RECEIVED  
JUL 1 1949

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

RECEIVED  
JUL 1 1949

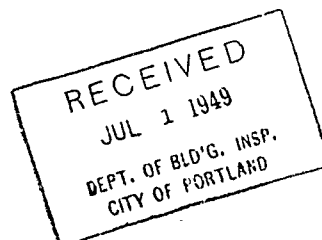
DEPT. OF BLD'G. INSP.  
CITY OF PORTLAND

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

*for McDonald.*

June 30th, 1949

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



Gentlemen:

Pile Driving Procedure  
Boeing Ave. Junior High School

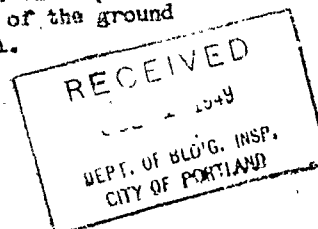
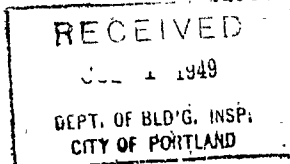
In response to your letter dated June 23rd requesting that the writer be in Portland on Monday, he reported on the job at 7:30 a.m. and found Snodgrass preparing to drive the first pile in the boiler room mat.

Fitting the corrugated shell over the reduced diameter of the wooden pile top proved difficult at first, but after several tries this was accomplished without breaking the vertical riveted joint and the asphaltum was successfully applied.

The assumed length of the first pile proved to be too long for the location and after the pile had been driven to refusal the top of the steel shell portion was at elev. 25.23 whereas the desired top of the concrete for the boiler room mat was 22.00. In other words, the concrete portion which was supposed to be 7 ft. long will be only about 5'3" long for this pile.

During the afternoon, three other piles were driven with tops of the steel shells at elevations 23.00, 23.50 and 23.50 respectively, which indicates that with the desired elevation of the tops at 22.00, these piles were 1 ft. to 1.5 ft. higher than desired.

On Tuesday morning piles were being driven by another machine near the corner of the boiler mat where much shorter piles were required. Some of these were not over 15 ft. long. This is the area where the bottom was rising fast and it is difficult to predict the exact lengths of piles. It is also questionable whether the water level will ever fall much lower than 20.00 to 21.00 which is the level of the water now after this long dry spell. To insist on cutting piles at grade 15.00 in this area seems unwarranted and the writer would be inclined to approve the cut-off of the piles as driven with the expectation that with a little more experience, the accuracy of predetermining the pile length can be greatly improved even though some should be too short requiring splicing of corrugated tube. We have great faith in the capillary action of this fine soil assisting in raising the grade of the ground water several feet above its normal location in coarse gravel.



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

Stevens Office - 2

June 30, 1949

Workmanship: It is the writer's opinion that the Snodgrass Co. is trying to do an excellent job and that the oak piles which they have received from local sources are as good or better than hard pine where the lengths are adequate. An excellent job of trimming the dowel tops of the wooden pile dowel is being done, but the promised device for preventing over-cutting with the cross cut saw has not yet appeared on the job. Mr. King informed the writer that he intended to furnish a rotary controlled skill saw cutter that would insure two results: first, that the shoulder cut around the pile would be at right angles to the axis of the pile; and second, that the finished cut would be exactly circular, concentric with the dowel rod driven in the center of the pile and not less than the diameter of the finished dowel. The method used by two men on a cross-cut saw with no control insures neither of these results.

The oak follower with the dowel guide rod gave excellent results and the piles which we observed appeared to be driven plumb and the corrugated shell on top of them also plumb.

The writer examined one of the piles and your inspector examined all of them, and only in one or two was any water visible above the top of the wooden pile. This water will have to be sucked out with a pump or ejector before concrete is poured.

In conclusion, it is our opinion that the results of the pile driving operation in this part of the lot are entirely successful with the exception that the first few piles driven are cut too high. However, we would not be inclined to condemn them on this account in this part of the Boiler Room mat.

We are not entirely satisfied with the coarse aggregate delivered on the job for Snodgrass Co. to use in pouring pile tops. We covered this subject in a separate letter mailed yesterday.

Very truly yours,

GILBERT SMALL & CO. Incorporated

By Gilbert Small

GS/f

3 copies of this letter  
are enclosed for distribu-  
tion as you see fit.

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

*W. Donald*

*Received  
Engineering  
June 21st 1949*

June 21st, 1949

RECEIVED

JUN 22 1949

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

John Howard Stevens  
John Calvin Stevens, 2nd  
137 Middle Street  
Portland 3, Maine

Dear Sirs:

Deering Ave. Junior High School

Confirming the writer's conversation with you by phone this morning, we enclose herewith four copies each of three sheets showing the results of applying various pile driving formulas to the various lengths of piles to be driven for foundations of this job. These sheets refer to the various tables as Tables I to V inclusive.

Engineering News Formula

On Table I we show the Engineering News formula taken from the Vulcan Iron Works Catalog for a 30 C Super Vulcan ram weighing 3000# with maximum rated energy of 7,260#. We have applied this to wooden piles of 30', 40' and 50' lengths including a 14' oak follower as sketched on this sheet. The total weight of pile plus follower, plus corrugated steel casing is as follows:

30' - 1560#  
40' - 1950#  
50' - 2300#

We have not prepared the table for use with the heavier Super Vulcan Super C with ram weighing 5000#, nor have we prepared a table for the slower acting Vulcan #1 gravity hammer. This would be an easy matter and we could supply tables for these hammers if you intend to use them. The important thing to note in Table I, or in applying the Engineering News formula is that the design factor of safety is supposed to be six times the safe working load.

Tables II and III. The writer favors the use of the modified Hiley formula adopted by the Foundation Committee of which the writer was Chairman when the original Boston Building Code was drawn up for filing a report to the Mass. Legislature Jan. 25, 1937. This formula takes account of factors entirely neglected in the Engineering News formula, - namely, the weight of the pile and follower and casing being driven, as well as the length and moduli of elasticity of the pile and follower. Note, however, that this formula has a design factor of safety of 3.0 times the working load.

This formula has been prepared to cover both the 30 C Super Vulcan 3000# hammer and the 50 C Super Vulcan 5000# hammer. Considering the factors of safety, differences of 3 and 6, it is not surprising that there should be an inverted order difference in the number of blows required for working loads of 20 tons.

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

Deering Ave. Junior High School - 2

June 21, 1949

Mavy (modified) Pile Formula

During the recent war the Navy suggested the use of a pile driving formula which takes account of the ratio between weight of the hammer and the weight of the pile and follower being driven. This is the formula advocated by Ben Morrell, Chief of the C-8s. It is also the one suggested within the week by Gardner Gould, consultant for Snodgrass on this project.

Formula  
This pile does not take account of the length of the pile and follower or of the moduli of elasticity of the materials of which they are made. The final results, however, do not differ greatly from those obtained from the Hiley formula and both sets of formulas are designed for a factor of safety of 2.0 times the working load.

Pile Driving Formulas in General

It is a recognized fact that pile driving formulas of the Engineering News type give over-safe results when driven into sand, but all formulas fall down completely when piles are driven into clay. The only real way to determine capacity of a pile is to test it with a superimposed load applied to the head of the pile using a load equal to 1-1/2 to 2 times the working load. Tests of short duration are reliable when piles are driven in sand, but only long time settlement tests should be used when pile capacity in clays are to be determined.

Since the material which we are driving into is of a fine sandy nature, it is probable that the formula herein suggested will be reliable within reason, but one, and possibly two, tests should be applied to composite piles actually driven. The piles to be selected for test should be those driven into materials where no definite crust or refusal is encountered. We propose that one or two such piles be selected for such tests during the progress of the work as provided for in the specifications for composite piles, which is the basis of Snodgrass' contract.

Very truly yours,

GILBERT SMALL & CO. Incorporated

By

*Gilbert Small*

GS/r

copies enclosed for:  
Warren MacDonald  
E.W. MacGibbon  
Mr. Snodgrass



(RC) RESIDENCE ZONE - C  
**APPLICATION FOR PERMIT**

Class of Building or Type of Structure First Class  
Portland, Maine, June 8, 1949

**PERMIT ISSUED**

**00950**  
JUN 29 1949

**CITY of PORTLAND**

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to erect alter ~~change~~ construct the following building ~~structure~~ 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 118 Deering Avenue Within Fire Limits? no Dist. No. \_\_\_\_\_  
Owner's name and address City of Portland Telephone \_\_\_\_\_  
Lessee's name and address \_\_\_\_\_ Telephone \_\_\_\_\_  
Contractor's name and address Camillo Profenno Co., 25 Free Street Telephone \_\_\_\_\_  
Architect \_\_\_\_\_ Specifications yes Plans yes No. of sheets \_\_\_\_\_  
Proposed use of building Junior High School No. families \_\_\_\_\_  
Last use \_\_\_\_\_ No. families \_\_\_\_\_  
Material \_\_\_\_\_ No. stories \_\_\_\_\_ Heat \_\_\_\_\_ Style of roof \_\_\_\_\_ Roofing \_\_\_\_\_  
Other buildings on same lot \_\_\_\_\_  
Estimated cost \$ 851,302 Fee \$ 150.

**General Description of New Work**

To construct 2-story masonry school 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 C. Profenno Co.

**Details of New Work**

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

**If a Garage**

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

**Miscellaneous**

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

City of Portland  
C. Profenno Co.

Signature of owner by: H. E. Elliott

**APPROVED:**

**INSPECTION COPY**

Permit No. 49/250  
 Location 68-118 Deering Ave  
 Owner City of Portland  
 Date of permit 2/29/49  
 Notr. closing-in  
 Inspn. closing-in  
 Final Notif.  
 Final Inspn.  
 Cert. of Occupancy issued

NOTES

3/2/50 - Concrete to be tested is shown on plan S-2 - Bay bounded by 11-G-12G & 11-F-12F (First floor). Several leaks in roof evident. Concrete to be tested next week. Both boilers working alternately - radiation not completed. Some plastering started in class rooms.  
 3/8/50 - Mr McD & I went down to watch start of tests on floor slab in question. First reading was taken with a transit on 2x4 vert. rods at

the 3rd points. Mr McD explained that deflection at these points would not be as great as at the center of the span. Provisions were then made to take readings at the center. Accuracy of procedure questionable. Bags of cement being used for the test weight. TTH

3/9/50 - Mr McD & I went down again to see full test load on slab. MacGibbon said at that time (9:30 AM) the total deflection amounted to a little less than 1/16" load to be removed about 3 o'clock today. TTH  
 3/10/50 - Received report of test on slab TTH

68-118 Searing Avenue,  
Corner of Park Avenue-I

June 29, 1949

Camille Profumo Company  
25 Free Street  
Portland, Maine

Subject: Building permit for construction  
of Junior High School for the City of  
Portland at 68-118 Searing Avenue, corner  
of Park Avenue

Gentlemen:

The use of Curisol Roof Plant having been set up by the Board of Municipal Officers as allowable under the Building Code for roof construction, the building permit for the general construction work for Junior High School at 68-118 Searing Avenue, corner of Park Avenue is issued, herewith, but subject of course to compliance with all Building Code requirements as to the details of construction, as to required permits for installation of heating equipment etc.

Checking of extensively revised plans and specifications against detailed Building Code requirements is progressing, and you and the architects will be advised of the results of that check at an early date.

Please see to it that the building permit is posted in a conspicuous place on the premises in fairly permanent fashion.

Very truly yours,

Inspector of Buildings

WCHB/G

CC: To contractor for Superintendent of Construction

Messrs. John Howard & John Calvin Stevens  
187 Middle Street

To architect for Clerk of the Works

JOHN HOWARD STEVENS, A.I.A. JOHN CALVIN STEVENS, 2ND, A.I.A.

ARCHITECTS

127 MIDDLE STREET, PORTLAND 3, MAINE

November 5, 1948

To the Building Committee  
Deering Avenue Junior High School  
City of Portland, Maine

C O P Y

Gentlemen:

This report is on the presentation of our Preliminary Plans based on the results of our previous discussions with you.

We have carried forward both the one-story scheme and the two-story scheme to display all the details of arrangement.

The plans consist of the ground floor plan of the one-story-scheme, ground floor and second floor, and elevations of the two-story scheme.

Also at this time we are presenting the report on test holes made by the Gow Co. with lot plan showing their location and our drawing to align the results pictorially so as to show the relation of one to the other.

Elevations have not been made of the one-story scheme, because we have felt since our discussion with our foundation engineer, that the two-story scheme would be the least expensive and, therefore, concentrated on that.

From our previous sketches you can readily visualize the general effect of the one-story elevations.

Considerable time has been devoted to making a comparison between the two schemes and the table below shows some of the results-

|                                  | 1-Story        | 2-Story        |
|----------------------------------|----------------|----------------|
| Perimeter of all outside walls   | 2716 ft.       | 1517 ft.       |
| Sq.Ft. area of all outside walls | 87185 Sq.ft.   | 68052 sq.ft.   |
| Ground Area                      | 71343 Sq.ft.   | 48344 sq.ft.   |
| Total Floor Area (all floors)    | 71343 Sq.ft.   | 75032 sq.ft.   |
| Cubic Contents                   | 1435000 cu.ft. | 1547500 cu.ft. |
| Number of concrete piles         | 325            | 323            |
| Total footage of piles           | 22786 ft.      | 17238 ft.      |

We have a report from the F.W.Dodge Co. that tells us similar 2-story school houses are being presently built at a cost ranging from \$65 to 90¢ per cu.ft.

Applying it to our two-story scheme we get \$1,392,783. to which must be added cost of piling, which we have estimated at \$85,000. based on concrete piles, making a total of \$1,478,783.

JOHN HOWARD STEVENS, A.I.A. JOHN CALVIN STEVENS, A.I.A.

ARCHITECTS

-2

100 MIDDLE STREET, PORTLAND, ME High School

After conference with our Foundation Engineer, Mr. Small, we recommend concrete piers of the safe type, which, incidentally, cost but little if any more than other types.

The one-story scheme will, undoubtedly, cost more than 90¢ per cubic foot. If we assume \$1.00 per foot we have \$1,398,484. plus piling at \$110,000. or a total cost of \$1,508,484. Actually we have figured this at \$1.00 for the class rooms and 90¢ for the Gymnasium etc.

If it were possible to construct the first floor on fill and float the whole structure on a raft with the use of piling, the one-story building would be much less expensive than the two-story. But Mr. Small advises against this attempt. He is convinced that it would be resting on a compressible fill which will be sure to settle. The cost of getting a foundation down below this compressible fill is prohibitive, and, therefore, the only answer is piling for both schemes.

In an attempt to cut down on cost we offer the following suggestions:

(a) Temporarily omit the Auditorium but put in the piling to take its future construction-

present saving about \$236,000.

Leaving out its piling, save \$4,000. more but this means additional cost of future construction.

(b) Temporarily omit two lengths of classrooms at the Park Avenue end, a total of 8 Classrooms, saving about \$74,000. plus piles \$6,000. = \$80,000.

(c) Replan the scheme to create a combination Auditorium & Gymnasium with a first floor and arrange for the kitchen and cafeteria underneath.

This will contravene the State recommendations but we are convinced that an attractive cafeteria having good artificial light and ample ventilation will prove entirely acceptable, with a saving of about \$436,000.

In consultation with Mr. Small he agreed with us that the methods of construction we are proposing would be the cheapest possible way to build a first-class building.

The steel and brick situation today has led us to recommend that we use a re-inforced concrete structure throughout, the exterior being what has become known as architectural concrete. This will give us a warm gray color the surface of which can have an interesting texture by intelligent use of forms. This makes a good surface for

JOHN HOWARD STEVENS, A.I.A. JOHN CALVIN STEVENS, 2ND, A.I.A.  
ARCHITECTS November 5, 1949

187 MIDDLE STREET, PORTLAND 3, MAINE

re: Deer Isle Ave. Jr. High School

-3

broad massive walls, and look like honest concrete with no attempt to make it look like anything else.

To recapitulate and give you the probable total expenditure on the two-story scheme, we submit the following:

Cost as per plans submitted.

Building ..... \$1,47,763.

Walks & Grading ..... 40,000.

\$1,518,763

Contingent 10% ..... 151,900.

\$1,669,763.

If a decision can be reached this next week, so we can begin on our working drawings, we are confident that we can have the job ready to take bids the first part of February, 1949.

\$1,233,412

Sincerely yours,

John Howard Stevens

JHS:MS

413 6,200

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

October 6, 1943

to the Building Department  
Deering Avenue Junior High School  
City of Portland, Maine

COPY

Gentlemen:

Our studies of schemes for Deering Avenue Junior High have been made by arranging the various units as required by the School Committee, keeping the basic units at the same size in all studies. Controlling factors in each scheme was State standards for Maine School Buildings in Maine is certain requirements of exits and placing of buildings in relation to lot lines and street lines derived from City Building Code requirements.

Primary regulations set up from State standards controlling schemes are follows:

1. No roof or pupil use of any kind, educational or recreational, shall be less than 8 feet below finished outside grade there sides that contain windows or outside doors, excepting dressing rooms for Gymnasium and Auditorium may have the floors not more than 4'-0" below grade at any point.
2. In no case shall an Auditorium, Assembly Room or Gymnasium be so situated that an occupant of its main floor, using any required exit, it descend more than 6 feet or ascend more than 4 feet to outside grade.
3. Interlocks are not approvable.
4. Any row set of rooms on the same level whose ceiling level is more than 6 feet above the outside finished grade next to the main shall be classed as a full story not a basement.
5. Normally the windows should run continuously from the front wall of the classrooms to the back wall. Window mullions or sashes should be 9 inches or less in width.
6. Distance from a schoolroom window to any light obstruction outside shall be at least twice the height of the obstruction above sill of the window. (This was considered absolute minimum & increased it wherever possible to the maximum practicable amount, i.e. 24'-0" between parallel wings instead of 12' which would be the minimum.)

October 1, 1963

JOHN HOWARD STEVENS, A.I.A. JOHN CALVIN STEVENS, 2ND, A.I.A.  
ARCHITECTS

100 WOOD STREET, PORTLAND 1, MAINE

2-

In the matter of suit filed in the District Court of the City of Portland, Maine, in Case No. 1963-100, filed May 15, 1963, captioned as above, the undersigned, being duly sworn, depose and say that the following is a true and correct statement of the facts and circumstances known to them concerning the same:

Distance from street to the entrance to the building is 100 feet, since the building is situated on a lot 100 feet wide. It was felt desirable to maintain 50 ft. clearance from the lot lines, this was found to be a very cramped restriction in the development of plans. 10 ft. was established as minimum, to be increased where possible.

In No. 1, 15 different schematic layouts were considered. Some of these were variations of others, the end result being a total of five schemes. One of these is only one story high. It is apparent that the site would accommodate a building of this type. Only the Cafeteria and Gymnasium are required to be on the first floor. Only the Cafeteria of these would be at all practical to be on the first floor, and the size of the Cafeteria, being as it is rather large, it is felt that for proper light and atmosphere the ceiling height should be at least 15 feet precluding placing it adjacent to the first floor classrooms. Furthermore no suitable circulation of pupils was discovered placing it in such a location. As a result all these areas are, of necessity, one-story structures. The advantages of a one-story scheme from a purely economic outlook proved to be considerable, as loads are lighter on footings for both walls and columns. The result being that for these portions of the building, which could be either one or two story, the area of footings based on the same assumed bearing strength of soil would be in the ratio of 397<sup>8</sup> for one-story building to 574<sup>8</sup> for two-story building. The figures for area arrived at a maximum assumed bearing strength of the soil at 1800 lb. per sq. ft. The greatest point loads resulted in a spread footing for the two-story building of 7'-0" square, as for its one-story building of 4'-3" square. This added a total of footings requiring additional retaining steel.

Comparisons of the areas of surface of the one-story scheme and a two-story scheme of nearly as much area are shown as follows:

|                          | one-story scheme | two-story scheme |
|--------------------------|------------------|------------------|
| Total Area of all floors | 63,940 sq.ft.    | 64,567 sq.ft.    |
| 1st floor area           | 44,434 "         | 64,567 "         |
| 2nd floor area           | 19,506 "         | -                |
| Perimeter                | 1,790 lin.ft.    | 2,723 lin.ft.    |
| Wall area                | 51,483 sq.ft.    | 49,035 sq.ft.    |
| Roof area                | 44,434 "         | 64,567 sq.ft.    |

JOHN HOWARD STEVENS, A.I.A. JOHN CALVIN STEVENS, 2ND, A.I.A.  
ARCHITECTS 0 Dec 8, 1949  
157 MIDDLE STREET, PORTLAND 3 ME

3-  
(Note: These schemes were studied prior to final development of schemes and may vary slightly from final schemes as more fully developed.)

It is to be observed that increase in roof area and the larger area of 1st floor construction just about balance the total area of 2nd floor construction which has been omitted. Both the slab on grade floor construction and the flat tar and gravel roof are less expensive construction than 2nd floor construction. Interior columns are relieved of the heavy 100 lb. per sq. ft. 2nd floor corridor load in the one-story schemes.

In defense of the one-story scheme: distance from one end of the building to the other for pupil travel in one-story scheme is in the neighborhood of 710 feet, while in the two-story scheme it is 492 feet plus one flight of stairs from extreme opposite ends. The zigzag backbone to the scheme has advantages in spite of its longer distances. Long, straight, monotonous corridors are eliminated, giving a more intimate feeling. Chances for light to enter the corridor directly are frequent and exit possibilities are more than ample. Although the building does at places come close to 20 feet from the lot lines and the eastern corners are about 50 feet from Deering Avenue, the building will not appear to take up as much room as it does, nor will it appear too near to Deering Avenue, because of its low roof and receding facades at angles to the street, which create interesting fore courts.

Due to the flowing, rambling nature of the plan and the desirability of getting as much natural daylight into the rooms, (even the minimum required window area is extremely large), it is desirable to treat this plan in a sincere honest expression of the functions of the space enclosed. The major portion of the exterior walls are in no sense bearing walls and should not be expressed as such. If we are to be truthful in our building, we then should allow these functions, and structural systems which make these advantages possible, to be expressed in the exterior appearance. The result of this line of thinking leads to what is commonly called Modern Architecture.

Any attempt to build in the more conventional manner forces one back to the wall bearing type of building, with a resultant heavy look, which is heavier; a multiplicity of window lintels; a multiplicity of windows and brick piers; innumerable amount of pieces of stone trim, wood trim, flashing, etc., all of which has no continuity and, therefore, is more costly to install, and in appearance becomes dull and uninteresting. In its usefulness, of necessity, it admits less light and control of light is almost impossible with the resulting dark inside rooms, practically condemning the occupants to an early visit to the oculist. Use of glass block in this conven-

JOHN HOWARD STEVENS, A.I.A. JOHN CALVIN STEVENS, AND, A.I.A.  
ARCHITECTS

137 MIDDLE STREET, PORTLAND 3, MAINE

4-

ditional type of structure is proposed, mounting a motor in a buggy. This is conventional, in the mind of the average, uninformed citizen, a pitched roof is required. The history of pitched roofs on school buildings is such as to preclude any thought of its use. The resulting conventional building if designed will not properly fit the schoolroom up to present day standards, and the building will be neither modern looking nor conventional looking. It will in effect be a costly half-breed, expensive to maintain. Features of the so-called conventional scheme would, of course, trend toward the classic style of architecture, with all its attendant expensive cast stone columns, pilasters, cornices, pediments and other paraphernalia.

On the basis of rough estimates the exterior wall of a standard classroom with the conventional wall bearing type of structure would weigh about four tons more than the lighter construction just for the wall piers and windows alone - all of this being expensive masonry that is doing nothing but holding up the roof and keeping out much needed light.

Cost of Conventional Construction is estimated to be 50 to 100 thousand dollars more than proposed construction. If a pitched roof is used, this is estimated to cost about 20 thousand more.

Respectfully submitted,

John Howard Stevens  
John Calvin Stevens, and  
Architects

JHS:JSM

THIS AGREEMENT made this twenty-first day of September in the year Nineteen Hundred and Forty Eight by and between the CITY OF PORTLAND by Elliot P. Perkins, Chairman of Special Building Committee, hereinafter called the Owner, and JOHN HOWARD STEVENS AND JOHN CALVIN STEVENS, 2ND, hereinafter called the Architect.

W I T N E S S E T H

WHEREAS, the Owner intends to erect a Junior High School on land at the corner of Park Avenue and Deering Avenue in said City of Portland; and

WHEREAS, the Architect has been chosen to provide all of the necessary services usually performed by Architects;

NOW, WHEREFORE, the Owner and the Architect, for the considerations hereinafter named, agree as follows:

1. The Architect agrees to perform for the above-named work professional services as hereinafter set forth.
2. The Owner agrees to pay the Architect for such services a fee of six per cent of the cost of only such work designed and specified by the Architect with other payments and reimbursements as hereinafter provided, said percentage being hereinafter referred to as the "basic rate".
3. The parties hereto further agree to the following conditions:

A. ARCHITECT'S SERVICES.— The Architect's professional services consist of the necessary conferences, the preparation and supplying of preliminary studies, working drawings, specifications,

large scale and full-size detail drawings; the drafting and supplying of forms of proposals and contracts, all necessary blueprints and copies thereof not to exceed six copies of each; the issuance of certificates of payment; the keeping of accounts, the general administration of the business and supervision of the work, and including, but not limited to, the services of heating, plumbing, ventilating, structural, mechanical, and electrical engineers, and designs of any other necessary equipment or systems.

B. REIMBURSEMENTS. - If the Architect or his assistants travel outside of the City of Portland in connection with their duties and have received the prior approval of the Owner, then and in such event, the Owner shall reimburse the Architect for the reasonable costs of transportation and living expenses incurred by him and his assistants.

C. EXTRA SERVICES AND SPECIAL CASES. - If the Architect is caused extra draughting or other expense due to changes ordered by the Owner, or due to the insolvency of the Contractor, or as a result of damage to this building by fire, or due to a multiplicity of contracts, or because of cost-plus work, he shall be equitably paid for such extra expense and the service involved.

Extra work designed by and included in the specification of the Architect when let by the Owner on any cost-plus basis shall be the subject of a special charge in accord with the special service required, to be agreed upon by the Owner and Architect in advance.

If any work designed or specified by the Architect and accepted by the Owner is abandoned or suspended, the Architect

is to be paid for the service rendered on account of it.

D. PAYMENTS.- Payments to the Architect on account of his fee shall be made as follows, subject to the provisions of Article C:

Upon completion of the preliminary studies and acceptance thereof by the Owner, a sum equal to twenty per cent of the basic rate computed upon a reasonable estimated cost. It is mutually agreed, however, that not more than Nine Thousand Dollars (\$9,000.00) of this amount is to be paid during 1948. and at the request of the Architect, the Owner shall pay to the Architect the sum of One Thousand Five Hundred (\$1500.00) Dollars on September 15, 1948, the sum of One Thousand (\$1000.00) Dollars on October 15, 1948, and Two Thousand (\$2000.00) Dollars on November 15, 1948, which sums are to be applied to and deducted from the aforesaid sum of Nine Thousand (\$9,000.00) Dollars.

Upon completion of specifications and general working drawings (exclusive of details) and acceptance thereof by the Owner, a sum sufficient to increase payments on the fee to seventy-five percent of the rate or rates of commission arising from this contract, based upon the Architect's estimated cost of the building, but in the event that bids are accepted within a period of six weeks from the acceptance of these plans and specifications by the Owner, then and in such event the payment shall be based upon the lowest bona fide bid with the provision that this stage is not to be reached until after January 1, 1949.

From time to time during the execution of work and in proportion to the amount of service rendered by the Architect, payments shall be made until the aggregate of all payments made on account of the fee under this Article, but not including any covered by the provisions of Article C, shall be a sum equal to the rate or rates of commission arising from this contract, computed upon the final cost of the work.

Payments to the Architect, other than those on his fee, fall due from time to time as his work is done or as costs are incurred.

No deductions shall be made from the Architect's fee on account of penalty, liquidated damages, or other sums withheld from payments to contractors.

E. SURVEY, BORINGS AND TESTS. - The Owner shall, so far as the work under this contract may require, furnish the Architect with the following information:

A complete and accurate survey of the building site, giving the grades and lines of streets, pavements, and adjoining properties; the rights, restrictions, easements, boundaries, and contours of the building site, and full information as to the sewer, water, gas and electrical service.

The Owner is to pay for borings or test pits and for chemical, mechanical, or other tests when required.

F. SUPERVISION OF THE WORK.- The Architect will endeavor to guard the Owner against defects and deficiencies in the work of Contractors, but he does not guarantee the performance of their contracts. The supervision of an Architect is to be distinguished from the continuous personal superintendence to be obtained by the employment of a clerk-of-the-works.

When authorized by the Owner, a clerk-of-the-works acceptable to both the Owner and Architect shall be engaged by the Architect at a salary satisfactory to the Owner and paid by the Owner, upon presentation of the Architect's monthly statements.

G. PRELIMINARY ESTIMATES.- When requested to do so, the Architect will furnish preliminary estimates on the cost of the work, but he does not guarantee the accuracy of such estimates.

H. DEFINITION OF THE COST OF THE WORK.- The cost of the work as herein referred to means the cost to the Owner of such work as is designed by and included in the specifications of the Architect, but such cost shall not include any architect's or engineer's fees or reimbursements or the cost of a clerk-of-the-works.

When labor or material is furnished by the Owner below its market cost, the cost of the work shall be computed upon such market cost.

I. OWNERSHIP OF DOCUMENTS.- Drawings and specifications as instruments of service are the property of the Architect whether the work for which they are made be executed or not, but the Architect shall furnish six copies of the plans, specifications, forms of proposals and contract without any charge therefor to the Owner. The Architect shall also at the Owner's expense furnish as many extra copies and negative copies of the plans as the Owner may desire.

J. TERMINATION OF CONTRACT.- The Owner shall have the right to cancel and terminate this contract at any time with or without cause. If the Owner cancels and terminates this contract at either of the following stage (a) or (b):

(a) Upon completion of preliminary studies and acceptance thereof by the Owner, the Owner shall be required to pay the Architect a sum equal to twenty per cent of the basic rate computed upon a reasonable estimated cost of the building plus any sums that may be due the Architect for reimbursements and extra services as set forth in Articles B and C. In such event the Owner shall pay to the Architect a further sum as reasonable compensation for the Architect's profit to the date of said termination and if the Owner and the Architect are unable to agree as to the amount of such further sum for profit, the matter shall be referred to the Board of Arbitration hereinafter established, whose decision shall be final and binding upon the Owner and Architect, or

(b) Upon completion of specifications and general working drawings and acceptance thereof by the Owner, the Owner shall be required to pay the Architect a sum equal to seventy-five per cent of the basic rate computed upon a reasonable estimated cost of the building plus any sums that may be due the Architect for reimbursements and extra services as set forth in Articles B and C. In such case the Architect shall not receive any additional sum as compensation for his profit.

If the Owner cancels and terminates this contract at any point other than at stages (a) or (b), then and in such event the amount of the fee to be paid by the Owner to the Architect shall be mutually agreed upon and in the event of disagreement as to the amount to be paid, the matter shall be referred to the Board of Arbitration, whose decision shall be final and binding upon both the Owner and the Architect.

K. ARBITRATION.- All questions in dispute under this contract shall be submitted to arbitration at the choice of either party. The Owner and the Architect shall each name one arbitrator and the two shall nominate a third. If the two are unable to agree on a third, the third arbitrator shall be appointed by the resident Justice

of the Superior Court. The decision of the majority of the Board of Arbitration shall be final and binding upon both the Owner and the Architect.

L. FULL PERFORMANCE.- The Owner and the Architect hereby agree to the full performance of the covenants contained herein.

M. SUCCESSORS AND ASSIGNMENTS.- The Owner and the Architect each binds himself, his partners, successors, executors, administrators, and assigns to the other party to this contract, and to the partners, successors, executors, administrators and assigns of such other party in respect of all covenants of this contract.

Except as above, neither the Owner nor the Architect shall assign, sublet or transfer his interest in this contract without the written consent of the other.

IN WITNESS WHEREOF, the said CITY OF PORTLAND has caused this instrument to be sealed with its corporate seal and signed in its corporate name by Elliot P. Perkins, Chairman of Special Building Committee, thereunto duly authorized, and the said JOHN HOWARD STEVENS AND JOHN CALVIN STEVENS, 2ND, have hereunto set their hands and seals, the day and year first above written.

Signed, Sealed and  
Delivered in presence of

Clara P. Devine

Marcia Moses

Marcia Moses

CITY OF PORTLAND

By Elliot P. Perkins  
Chairman, Special Building Committee

John Howard Stevens

John Calvin Stevens

CITY OF PORTLAND, MAINE  
LEGAL DEPARTMENT

September 11, 1948

Mr. Edward T. Colley  
Mr. John W. Sturgis  
Mr. Warren McDonald  
Mr. Lyman S. Moore  
Members of Special Building Committee

Gentlemen:

I am enclosing herewith copy of the contract between the Special Building Committee and Stevens and Stevens for architectural services for the proposed junior high school.

I have suggested to Mr. Perkins, Chairman of the Committee, that he call a meeting for the purpose of discussing the terms of this contract and, if it is found agreeable to the Committee, to authorize Mr. Perkins, as Chairman, to sign the same.

Very truly yours,

  
Barnett I. Skur  
Corporation Counsel

BIS:M  
Enclosure

cc: Elliot P. Perkins  
Dr. Harrison C. Lyseth



THIS AGREEMENT made this \_\_\_\_\_ day of \_\_\_\_\_ in the year Nineteen Hundred and Forty Eight by and between the CITY OF PORTLAND by Elliot P. Perkins, Chairman of Special Building Committee, hereinafter called the Owner, and JOHN HOWARD STEVENS AND JOHN CALVIN STEVENS, JR., hereinafter called the Architect.

W I T N E S S E T H

WHEREAS, the Owner intends to erect a Junior High School on land at the corner of Park Avenue and Dearing Avenue in said City of Portland; and

WHEREAS, the Architect has been chosen to provide all of the necessary services usually performed by Architects;

NOW, THEREFORE, the Owner and the Architect, for the considerations hereinafter named, agree as follows:

1. The Architect agrees to perform for the above-named work professional services as hereinafter set forth.
2. The Owner agrees to pay the Architect for such services a fee of six per cent of the cost of only such work designed and specified by the Architect with other payments and reimbursements as hereinafter provided, said percentage being hereinafter referred to as the "basic rate".
3. The parties hereto further agree to the following conditions:

A. ARCHITECT'S SERVICES - The Architect's professional services consist of the necessary conferences, the preparation and supplying of preliminary studies, working drawings, specifications,

large scale and full-size detail drawings; the drafting and supplying of forms of proposals and contracts, all necessary blueprints and copies thereof not to exceed six copies of each; the issuance of certificates of payment; the keeping of accounts, the general administration of the business and supervision of the work, and including, but not limited to, the services of heating, plumbing, ventilating, structural, mechanical, and electrical engineers, and designs of any other necessary equipment or systems.

B. REIMBURSEMENTS. - If the Architect or his assistants travel outside of the City of Portland in connection with their duties and have received the prior approval of the Owner, then and in such event, the Owner shall reimburse the Architect for the reasonable costs of transportation and living expenses incurred by him and his assistants.

C. SEPARATE CONTRACTS. - The basic rate applies to work let under a single contract by the Owner. For any portions of the work designed by and included in the specifications of the Architect which are let under separate contracts by the Owner, on account of extra service thereby required by the Architect the rate shall be four per cent greater than the basic rate, and if all the work is so let under separate contracts by the Owner, the higher rate shall apply to the entire work. No increase of the basic rate is to be allowed to the Architect if the Owner lets the work to a single contractor who thereafter lets a part and/or all of the work to others.

D. EXTRA SERVICES AND SPECIAL CASES. - If the Architect is caused extra draughting or other expense due to changes ordered by the Owner, <sup>a multiplicity of</sup> or due to ~~defective~~ contract or cost-plus work, or due to the insolvency of the Contractor or as a result of damage to this building by fire, he shall be equitably paid for such extra expense and the service involved.

Extra work designed by and included in the specification of the Architect which are let by the Owner on any cost-plus basis shall be the subject of a special charge in accord with the special service required, to be agreed upon by the Owner and Architect in advance.

If any work designed or specified by the Architect and accepted by the Owner is abandoned or suspended, the Architect is to be paid for the service rendered on account of it.

D. PAYMENTS. - Payments to the Architect on account of his fee shall be made as follows, subject to the provisions of Article D:

Upon completion of the preliminary studies and acceptance thereof by the Owner, a sum equal to twenty per cent of the basis fee computed upon a reasonable estimated cost. It is ~~hereby~~ agreed, however, that not more than Nine Thousand Dollars (\$9,000.00) of this amount is to be paid during 1948, and at the request of the Architect, the Owner shall pay to the Architect the sum of One Thousand Five Hundred (\$1500.00) Dollars on September 15, 1948, the sum of One Thousand (\$1000.00) Dollars on October 15, 1948, and Two Thousand Dollars (\$2,000.00) on November 15, 1948, which sums are to be applied to and deducted from the aforesaid sum of Nine Thousand (\$9,000.00) Dollars.

Upon completion of specifications and general working drawings (exclusive of details) and acceptance thereof by the Owner, a sum sufficient to increase payments on the fee to seventy-five percent of the rate or rates of commission arising from this contract, based upon the Architect's estimated cost of the building, but in the event that bids are accepted within a period of six weeks from the acceptance of the plans and specifications by the Owner, then in the event the payment shall be based upon the lowest bona fide bid with the provision that this stage is not to be reached until after January 1, 1949.

From time to time during the execution of work and in proportion to the amount of service rendered by the Architect, payments shall be made until the aggregate of all payments made on account of the fee under this Article, but not including any covered by the provisions of Article D, shall be a sum equal to the rate or rates of commission arising from this contract, computed upon the final cost of the work.

Payments to the Architect, other than those on his fee, fall due from time to time as his work is done or as costs are incurred.

No deductions shall be made from the Architect's fee on account of penalty, liquidated damages, or other sums withheld from payments to contractors.

E. SURVEY, BORINGS AND TESTS. - The Owner shall, so far as the work under this contract may require, furnish the Architect with the following information:

A complete and accurate survey of the building site, giving the grades and lines of streets, pavements, and adjoining properties; the rights, restrictions, easements, boundaries, and contours of the building site, and full information as to the sewer, water, gas and electrical service. The Owner is to pay for borings or test pits and for chemical, mechanical, or other tests when required.

F G. SUPERVISION OF THE WORK. - The Architect will endeavor to guard the Owner against defects and deficiencies in the work of Contractors, but he does not guarantee the performance of their contracts. The supervision of an Architect is to be distinguished from the continuous personal superintendence to be obtained by the employment of a clerk-of-the-works.

When authorized by the Owner, a clerk-of-the-works acceptable to both the Owner and Architect shall be engaged by the Architect at a salary satisfactory to the Owner and paid by the Owner, upon presentation of the Architect's monthly statements.

G H. PRELIMINARY ESTIMATES. - When requested to do so, the Architect will furnish preliminary estimates on the cost of the work, but he does not guarantee the accuracy of such estimates.

H I. DEFINITION OF THE COST OF THE WORK. - The cost of the work as herein referred to means the cost to the Owner of such work as is designed by and included in the specifications of the Architect, but such cost shall not include any architect's or engineer's fees or reimbursements or the cost of a clerk-of-the-works.

When labor or material is furnished by the Owner below its market cost, the cost of the work shall be computed upon such market cost.

4

**OWNERSHIP OF DOCUMENTS.** - Drawings and specifications as instruments of service are the property of the Architect whether the work for which they are made be executed or not, but the Architect shall furnish six copies of the plans, specifications, forms of proposals and contract without any charge therefor to the Owner. The Architect shall also at the Owner's expense furnish as many extra copies and negative copies of the plans as the Owner may desire.

**TERMINATION OF CONTRACT.** - The Owner shall have the right to cancel and terminate this contract at any time with or without cause. If the Owner cancels and terminates this contract at either of the following stage (a) or (b):

(a) Upon completion of preliminary studies and acceptance thereof by the Owner, the Owner shall be required to pay the Architect a sum equal to twenty per cent of the basic rate computed upon a reasonable estimated cost of the building plus any sums that may be due the Architect for reimbursements and extra services as set forth in Articles B and D. In such event the Owner shall pay to the Architect a further sum as reasonable compensation for the Architect's profit to the date of said termination and if the Owner and the Architect are unable to agree as to the amount of such further sum for profit, the matter shall be referred to the Board of Arbitration hereinafter established, whose decision shall be final and binding upon the Owner and Architect, or

(b) Upon completion of specifications and general working drawings and acceptance thereof by the Owner, the Owner shall be required to pay the Architect a sum equal to seventy-five per cent of the basic rate computed upon a reasonable estimated cost of the building plus any sums that may be due the Architect for reimbursements and extra services as set forth in Articles B and D. In such case the Architect shall not receive any additional sum as compensation for his profit.

If the Owner cancels and terminates this contract at any point other than at stages (a) or (b), then and in such event the amount of the fee to be paid by the Owner to the Architect shall be mutually agreed upon and in the event of disagreement as to the amount to be paid, the

matter shall be referred to the Board of Arbitration, whose judgment shall be final and binding upon both the Owner and the Architect.

~~V. 1.~~ ARBITRATION. - All questions in dispute under this contract shall be submitted to arbitration at the choice of either party. The Owner and the Architect shall each name one arbitrator and the two shall nominate a third. If the two are unable to agree on a third, the third arbitrator shall be appointed by the resident Justice of the Superior Court. The decision of the majority of the Board of Arbitration shall be final and binding upon both the Owner and the Architect.

~~V. 2.~~ FULL PERFORMANCE. - The Owner and the Architect hereby agree to the full performance of the covenants contained herein.

~~V. 3.~~ SUCCESSORS AND ASSIGNMENTS. - The Owner and the Architect each binds himself, his partners, successors, executors, administrators, and assigns to the other party to this contract, and to the partners, successors, executors, administrators and assigns of such other party in respect of all covenants of this contract.

Except as above, neither the Owner nor the Architect shall assign, sublet or transfer his interest in this contract without the written consent of the other.

IN WITNESS WHEREOF, the said CITY OF PORTLAND has caused this instrument to be sealed with its corporate seal and signed in its corporate

name by Elliot P. Perkins, Chairman of Special Building Committee, there-  
unto duly authorized, and the said JOHN HOWARD STEVENS AND JOHN CALVIN  
STEVENS, 2ND, have hereunto set their hands and seals, the day and year  
first above written.

Signed, Sealed and  
Delivered in presence of

CITY OF PORTLAND

By \_\_\_\_\_  
Chairman, Special Building Committee

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_



CITY OF PORTLAND, MAINE

389 CONGRESS STREET  
PORTLAND, MAINE 04101  
(207) 874-8300

DEPARTMENT OF PLANNING & URBAN DEVELOPMENT

P. SAMUEL HOFFSES, CHIEF  
INSPECTION SERVICES DIVISION

Modular Classrooms

January 6, 1988

Mr. Richard B. Jones  
Portland Schools Department  
331 Veranda Street  
Portland, Maine 04103

Dear Mr. Jones:

Site plan review for the modular classrooms at several local schools has been completed and application for building permits should be made in this office. We believe that these modular units are both in place and in use at this time. In order for a certificate of occupancy to be issued for each of these structures, it will be necessary for your Department to apply for a building permit for each of these modular classroom units.

The following site plans have been approved by the several Departments of the City and the City Planning Board:

- |                          |                              |     |
|--------------------------|------------------------------|-----|
| 1. 414 Eastern Promenade | Jack Elementary School       | R-3 |
| 2. 92 Deering Avenue     | King Middle School           | R-5 |
| 3. 175 Auburn Street     | Lyseth Elementary            | R-2 |
| 4. 171 Auburn Street     | Lyman Moore Middle School    | R-2 |
| 5. 432 Stevens Avenue    | Longfellow Elementary School | R-5 |

Before a certificate of occupancy can be issued for each modular classroom unit, all elements of the plans including landscaping must be completed for each of these new building units.

Sincerely,

*Warren J. Turner*  
Warren J. Turner  
Administrative Assistant

cc: P. Samuel Hoffses, Chief, Inspection Services  
Marland Wing, Code Enforcement Officer  
Kathleen Taylor, Code Enforcement Officer  
Kevin Carroll, Code Enforcement Officer  
Hugh Irving, Code Enforcement Officer

PERMIT # 001613

CITY OF Portland

BUILDING PERMIT APPLICATION

MAP # LOT #

Please fill out any part which applies to job. Proper plans must accompany form.

Owner Portland Public Schools

Address 331 Veranda Street

LOCATION OF CONSTRUCTION 92 Deering Avenue

CONTRACTOR SUBCO TRACTORS

ADDRESS

Est. Construction Cost Type of Use Classroom

Past Use

Building Dimensions L V Sq Ft # Stories Lot Size

Is Proposed Use Seasonal Condominium Apartment

Conversion - Explain Site Plan Review To Construct Yes

COMPLETE ONLY IF THE NUMBER OF UNITS WILL CHANGE

Residential Buildings Only

# Of Dwelling Units # Of New Dwelling Units

Foundation

1. Type of Soil

2. Set Backs - Front Rear Sides

3. Footings Size

4. Foundation Size

5. Other

Floor

1. Sills Size

2. Girder Size

3. Lally Column Spacing

4. Joists Size

5. Bridging Type

6. Floor Sheathing Type

7. Other Material

Exterior Walls

1. Studding Size

2. No. windows

3. No. Doors

4. Header Size

5. Bracing

6. Corner Posts Size

7. Insulation Type

8. Sheathing Type

9. Siding Type

10. Masonry Materials

11. Metal Materials

Interior Walls

1. Studding Size

2. Header Size

3. Wall Covering Type

4. Fire Wall If required

5. Other Materials

For Official Use Only

Date July 27, 1988

Inside Fire Limit

Time Limit

Estimated Cost \$45,000

Value \$20,000

Subdivision: Yes / No

Name

Block

Permit Expiration

Ownership

Public

Private

Ceiling

1. Ceiling Joists Size

2. Ceiling Strapping Size

3. Type Ceiling

4. Insulation Type

5. Ceiling Finish

Roof

1. Tr. or Rafters Size

2. Sheathing Type

3. Roof Covering Type

4. Other

Chimneys

Type

Number of Fire Places

Heating

Type of Heat

Electrical

Service Entrance Size

Turnling

1. Approval of soil test if required

2. No. of Tubes or Showers

3. No. of Flushes

4. No. of Lavatories

5. No. of Other Fixtures

Swimming Pools

1. Type

2. Pool Size

3. Must conform to National Electrical Code and State Law.

Zoning

District

Street Frontage Req.

Required Setbacks: Front Back Side

Review Required

Zoning Board Approval: Yes No

Planning Board Approval: Yes No

Conditional Use: Yes No

Shore and Floodplain Mgmt. Special Exception

Other (Explain)

Date Approved

Permit Received By Lisa Cushman

Signature of Applicant

Signature of CEO

Inspection Dates

White Tag - CEO

Yellow - GPCOG

White Tax Assessor

Yellow - GPCOG

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PERMIT ISSUED

CITY OF PORTLAND

Date July 27, 1988

Permit # 000879 City of Portland BUILDING PERMIT APPLICATION Fee \$45.00 Zone \_\_\_\_\_ Map # \_\_\_\_\_ Lot # \_\_\_\_\_  
Please fill out any part which applies to job. Proper plans must accompany form.

Owner: Portland Public Schools Phone # 874-8126-Richard Jones  
Address: 331 Veranda St., Portland, ME 04103  
LOCATION OF CONSTRUCTION 92 Deering Ave.-King Middle School  
Contractor: Clean Harbors of Kingston, Inc. Sub: \_\_\_\_\_  
Address: 17 Main St., S.P. 04106 Phone # 799-8111  
Est. Construction Cost: \_\_\_\_\_ Proposed Use: school  
Past Use: school  
# of Existing Res. Units \_\_\_\_\_ # of New Res. Units \_\_\_\_\_  
Building Dimensions L \_\_\_\_\_ W \_\_\_\_\_ Total Sq. Ft. \_\_\_\_\_  
# Stories: \_\_\_\_\_ # Bedrooms \_\_\_\_\_ Lot Size: \_\_\_\_\_  
Is Proposed Use: Seasonal \_\_\_\_\_ Condominium \_\_\_\_\_ Conversion \_\_\_\_\_  
Explain Conversion To remove 1,000 gal #4 Oil tank and install one

For Official Use Only PERMIT ISSUED

Date July 13, 1990 Subdivision: \_\_\_\_\_ Name: \_\_\_\_\_  
Inside Fire Limits \_\_\_\_\_ Lot: JUL 19 1990  
Bldg Code \_\_\_\_\_ Ownership: \_\_\_\_\_  
Time Limit \_\_\_\_\_  
Estimated Cost \_\_\_\_\_

Zoning: Street Frontage Provided: \_\_\_\_\_ Back \_\_\_\_\_ Side \_\_\_\_\_  
Provided Setbacks: Front \_\_\_\_\_ Back \_\_\_\_\_ Side \_\_\_\_\_

Review Required: Zoning Board Approval: Yes \_\_\_\_\_ No \_\_\_\_\_ Date: \_\_\_\_\_  
Planning Board Approval: Yes \_\_\_\_\_ No \_\_\_\_\_ Date: \_\_\_\_\_  
Conditional Use: \_\_\_\_\_ Variance \_\_\_\_\_ Site Plan \_\_\_\_\_ Subdivision \_\_\_\_\_  
Shoreland Zoning Yes \_\_\_\_\_ No \_\_\_\_\_ Floodplain Yes \_\_\_\_\_ No \_\_\_\_\_  
Special Exception \_\_\_\_\_  
Other (Explain) \_\_\_\_\_

Foundation: 10,000 gal. #4 oil tank, as per 6 sheets of plans.  
DEP FORM ENCLOSED.  
1. Type of Soil: \_\_\_\_\_  
2. Set Backs - Front \_\_\_\_\_ Rear \_\_\_\_\_ Side(s) \_\_\_\_\_  
3. Footings Size: \_\_\_\_\_  
4. Foundation Size: \_\_\_\_\_  
5. Other \_\_\_\_\_

Floor: 1. Sills Size: \_\_\_\_\_ Sills must be anchored.  
2. Girder Size: \_\_\_\_\_  
3. Lally Column Spacing: \_\_\_\_\_ Size: \_\_\_\_\_  
4. Joists Size: \_\_\_\_\_ Spacing 16" O.C.  
5. Bridging Type: \_\_\_\_\_ Size: \_\_\_\_\_  
6. Floor Sheathing Type: \_\_\_\_\_ Size: \_\_\_\_\_  
7. Other Material: \_\_\_\_\_

Exterior Walls: 1. Studding Size \_\_\_\_\_ Spacing \_\_\_\_\_  
2. No. windows \_\_\_\_\_  
3. No. Doors \_\_\_\_\_  
4. Header Sizes \_\_\_\_\_ Span(s) \_\_\_\_\_  
5. Bracing: Yes \_\_\_\_\_ No \_\_\_\_\_  
6. Corner Posts Size \_\_\_\_\_  
7. Insulation Type \_\_\_\_\_ Size \_\_\_\_\_  
8. Sheathing Type \_\_\_\_\_ Size \_\_\_\_\_  
9. Siding Type \_\_\_\_\_ Weather Exposure \_\_\_\_\_  
10. Masonry Materials \_\_\_\_\_  
11. Metal Materials \_\_\_\_\_

Interior Walls: 1. Studding Size \_\_\_\_\_ Spacing \_\_\_\_\_  
2. Header Sizes \_\_\_\_\_ Span(s) \_\_\_\_\_  
3. Wall Covering Type \_\_\_\_\_  
4. Fire Wall if required \_\_\_\_\_  
5. Other Materials \_\_\_\_\_

Ceiling: 1. Ceiling Joists Size: \_\_\_\_\_ Spacing \_\_\_\_\_  
2. Ceiling Strapping Size \_\_\_\_\_  
3. Type Ceilings: \_\_\_\_\_  
4. Insulation Type \_\_\_\_\_ Size \_\_\_\_\_  
5. Ceiling Height: \_\_\_\_\_

Roof: 1. Truss or Rafter Size \_\_\_\_\_ Span \_\_\_\_\_  
2. Sheathing Type \_\_\_\_\_ Size \_\_\_\_\_  
3. Roof Covering Type \_\_\_\_\_

Chimneys: Type: \_\_\_\_\_ Number of Fire Places \_\_\_\_\_

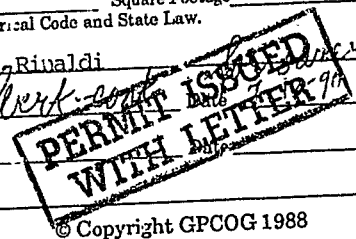
Heating: Type of Heat: \_\_\_\_\_

Electrical: Service Entrance Size: \_\_\_\_\_ Smoke Detector Required Yes \_\_\_\_\_ No \_\_\_\_\_

Plumbing: 1. Approval of soil test if required Yes \_\_\_\_\_ No \_\_\_\_\_  
2. No. of Tubs or Showers \_\_\_\_\_  
3. No. of Flushes \_\_\_\_\_  
4. No. of Lavatories \_\_\_\_\_  
5. No. of Other Fixtures \_\_\_\_\_

Swimming Pools: 1. Type: \_\_\_\_\_ x \_\_\_\_\_ Square Footage \_\_\_\_\_  
2. Pool Size: \_\_\_\_\_  
3. Must conform to National Electrical Code and State Law.

Permit Received By Joyce M. Rinaldi  
Signature of Applicant [Signature]  
Signature of CEO \_\_\_\_\_  
Inspection Dates \_\_\_\_\_



000879

Permit # \_\_\_\_\_ City of Portland BUILDING PERMIT APPLICATION Fee \$45.00 Zone \_\_\_\_\_ Map # \_\_\_\_\_ Lot# \_\_\_\_\_

Please fill out any part which applies to job. Proper plans must accompany form.

Owner: Portland Public Schools Phone # 874-8126-Richard JonesAddress: 331 Veranda St., Portland, ME 04103LOCATION OF CONSTRUCTION 92 Peering Ave. - King Middle SchoolContractor: Clean Harbors of Kingston, Inc.Address: 17 Main St., S.P. 04106 Phone # 999-5111Est. Construction Cost: \_\_\_\_\_ Proposed Use: schoolPast Use: school# of Existing Res. Units 0 # of New Res. Units \_\_\_\_\_

Building Dimensions L \_\_\_\_\_ W \_\_\_\_\_ Total Sq. Ft. \_\_\_\_\_

# Stories: \_\_\_\_\_ # Bedrooms \_\_\_\_\_ Lot Size: \_\_\_\_\_

Is Proposed Use: Seasonal \_\_\_\_\_ Condominium \_\_\_\_\_ Conversion \_\_\_\_\_

Explain Conversion To remove 1,000 gal #4 Oil tank and install oneFoundation: 10,000 gal. #4 oil tank, as per 6 sheets of plans.  
DEP FORM ENCLOSED.

1. Type of Soil: \_\_\_\_\_
2. Set Backs - Front \_\_\_\_\_ Rear \_\_\_\_\_ Side(s) \_\_\_\_\_
3. Footings Size: \_\_\_\_\_
4. Foundation Size: \_\_\_\_\_
5. Other \_\_\_\_\_

## Floor:

1. Sills Size: \_\_\_\_\_ Sills must be anchored.
2. Girder Size: \_\_\_\_\_
3. Lally Column Spacing: \_\_\_\_\_ Size: \_\_\_\_\_
4. Joists Size: \_\_\_\_\_ Spacing 16" O.C.
5. Bridging Type: \_\_\_\_\_ Size: \_\_\_\_\_
6. Floor Sheathing Type: \_\_\_\_\_ Size: \_\_\_\_\_
7. Other Material: \_\_\_\_\_

## Exterior Walls:

1. Studding Size \_\_\_\_\_ Spacing \_\_\_\_\_
2. No. windows \_\_\_\_\_
3. No. Doors \_\_\_\_\_
4. Header Sizes \_\_\_\_\_ Span(s) \_\_\_\_\_
5. Bracing: Yes \_\_\_\_\_ No \_\_\_\_\_
6. Corner Posts Size \_\_\_\_\_
7. Insulation Type \_\_\_\_\_ Size \_\_\_\_\_
8. Sheathing Type \_\_\_\_\_ Size \_\_\_\_\_
9. Siding Type \_\_\_\_\_ Weather Exposure \_\_\_\_\_
10. Masonry Materials \_\_\_\_\_
11. Metal Materials \_\_\_\_\_

## Interior Walls:

1. Studding Size \_\_\_\_\_ Spacing \_\_\_\_\_
2. Header Sizes \_\_\_\_\_ Span(s) \_\_\_\_\_
3. Wall Covering Type \_\_\_\_\_
4. Fire Wall if required \_\_\_\_\_
5. Other Materials \_\_\_\_\_

White-Tax Assessor

Yellow-GPCOG

White Tag - CEO

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## For Official Use Only PERMIT ISSUED

Date July 13, 1990  
Inside Fire Limits \_\_\_\_\_  
Bldg Code \_\_\_\_\_  
Time Limit \_\_\_\_\_  
Estimated Cost \_\_\_\_\_Subdivision \_\_\_\_\_  
Name JUL 19 1990  
Lot \_\_\_\_\_  
Ownership: \_\_\_\_\_ Public  
City Of Portland

## Zoning:

Street Frontage Provided: \_\_\_\_\_ Back \_\_\_\_\_ Side \_\_\_\_\_

## Review Required:

Zoning Board Approval: Yes \_\_\_\_\_ No \_\_\_\_\_ Date: \_\_\_\_\_  
Planning Board Approval: Yes \_\_\_\_\_ No \_\_\_\_\_ Date: \_\_\_\_\_  
Conditional Use: \_\_\_\_\_ Variance \_\_\_\_\_ Site Plan \_\_\_\_\_ Subdivision \_\_\_\_\_  
Shoreland Zoning Yes \_\_\_\_\_ No \_\_\_\_\_ Floodplain Yes \_\_\_\_\_ No \_\_\_\_\_  
Special Exception \_\_\_\_\_  
Other (Explain) \_\_\_\_\_

## Ceiling:

1. Ceiling Joists Size: \_\_\_\_\_ Spacing \_\_\_\_\_
2. Ceiling Strapping Size \_\_\_\_\_
3. Type Ceilings: \_\_\_\_\_ Size \_\_\_\_\_
4. Insulation Type \_\_\_\_\_
5. Ceiling Height: \_\_\_\_\_

## Roof:

1. Truss or Rafter Size \_\_\_\_\_ 08 2A
2. Sheathing Type \_\_\_\_\_ Size \_\_\_\_\_
3. Roof Covering Type \_\_\_\_\_

## Chimneys:

Type: \_\_\_\_\_ Number of Fire Places \_\_\_\_\_

## Heating:

Type of Heat: \_\_\_\_\_

## Electrical:

Service Entrance Size: \_\_\_\_\_ Smoke Detector Required Yes \_\_\_\_\_ No \_\_\_\_\_

## Plumbing:

1. Approval of soil test if required Yes \_\_\_\_\_ No \_\_\_\_\_
2. No. of Tubs or Showers \_\_\_\_\_
3. No. of Flushes \_\_\_\_\_
4. No. of Lavatories \_\_\_\_\_
5. No. of Other Fixtures \_\_\_\_\_

## Swimming Pools:

1. Type: \_\_\_\_\_
2. Pool Size: \_\_\_\_\_ x \_\_\_\_\_ Square Footage \_\_\_\_\_
3. Must conform to National Electrical Code and State Law.

Permit Received By George M. RinaldiSignature of Applicant [Signature]Signature of CEO [Signature]

Inspection Dates \_\_\_\_\_

PERMIT ISSUED  
WITH LETTER

PLOT PLAN

N



FEES (Breakdown From Front)

Base Fee \$ 45.00  
 Subdivision Fee \$  
 Site Plan Review Fee \$  
 Other Fees \$  
 (Explain)  
 Late Fee \$

Type

Inspection Record

Date

|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

COMMENTS

Signature of Applicant

*[Handwritten Signature]*

Date

7-13-90



CITY OF PORTLAND, MAINE

389 CONGRESS STREET  
PORTLAND, MAINE 04101  
(207) 874-8300

DEPARTMENT OF PLANNING & URBAN DEVELOPMENT

P. SAMUEL HOFFSES, CHIEF  
INSPECTION SERVICES DIVISION

July 18, 1990

Clean Harbor of Kingston, Inc.  
17 Main Street  
South Portland, ME 04106

RE: 92 Deering Avenue  
Portland, Maine

Dear Sir:

Your application to remove one 1,000 gallon #4 oil tank and install one 10,000 #4 tank has been reviewed and a permit is herewith issued subject to the following requirement (s):

No certificate of occupancy can be issued until all requirements of this letter are met.

1. All underground tank removal and/or installation shall be done in accordance with Department of Environmental Protection Regulations Chapter 691.
2. No cutting of tanks on site. Cutting of tanks to be done at an approved tank disposal site.
3. Fire Dispatcher must be notified 48 hours in advance of removal and/or transportation of tanks.

Sincerely,

P. Samuel Hoffses  
Chief of Inspection Services

PSH/dm

Maine Department of Environmental Protection  
Bureau of Oil & Hazardous Materials Control  
State House Station #17  
Augusta, Maine 04333  
Telephone: 207-289-2651  
Attn: Tank Removal Notice

7/88

NOTICE OF INTENT  
TO ABANDON (REMOVE) AN  
UNDERGROUND OIL STORAGE FACILITY

PLEASE TYPE OR PRINT IN INK:

Name of Facility Owner: Portland Public Schools  
Mailing Address: 331 Veranda Street Telephone No.:  
City: Portland State: ME Zip Code: 04103  
Contact Person (name, address & telephone no.): Richard Jones

Name of Facility: King Middle School Registration No.: 12134  
Facility Location: 92 Deering Avenue, Portland

1. Identify the tanks at this location which are to be removed:

|    | Tank Number | Age of Tank (Years) | Tank Size (Gallons) | Type of Product Most Recently Stored |
|----|-------------|---------------------|---------------------|--------------------------------------|
| A. | 1           | 39                  | 10,000              | #4 oil                               |
| B. |             |                     |                     |                                      |
| C. |             |                     |                     |                                      |
| D. |             |                     |                     |                                      |

2. Directions to Facility (be specific):

92 Deering Avenue, Portland

3. Is tank(s) used for the storage of Class I liquids (e.g. gasoline, jet fuel)? Yes No (IF YES, REMOVAL OF THE TANK MUST BE UNDER THE DIRECTION OF A CERTIFIED TANK INSTALLER OR PROFESSIONAL FIREFIGHTER.)

4. Name and telephone number of contractor who will do the tank removal: Clean Harbors 799-8111

Certified Tank Installer Certification Number & Name (if applicable):  
N/A

Professional Firefighter Yes No (Affiliation: \_\_\_\_\_)

5. Expected date of removal: July 30, 1990

I hereby provide Notice that I intend to properly abandon the underground oil storage facility as described above.

Date: June 30, 1990

James M. Abbott  
Signature of Tank Owner or Operator

James M. Abbott  
Printed Name and Title

Asst. Manager - Tank Div / ME

Clean Harbors, Inc.

THIS FORM MUST BE FILED WITH THE DEPARTMENT AND LOCAL FIRE DEPARTMENT 10 DAYS PRIOR TO REMOVAL

Mail original and yellow copy to DEP; pink copy to fire dept.; retain gold copy

(1)

*File dept.*

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
REGISTRATION FORM FOR UNDERGROUND OIL  
AND HAZARDOUS SUBSTANCES (CHEMICAL)  
STORAGE TANKS  
(Pursuant to 38 M.R.S.A. Section 563, 40 CFR Part 280)

1. REGISTRATION NUMBER: 12134 STATE USE ONLY  
(Complete only if a registration has been previously assigned by the Department of Environmental Protection.) DATE OF REGISTRATION:     /    /    

2. FACILITY  
INFORMATION

- A. Name of Facility: KING MIDDLE SCHOOL  
B. Street Address of Facility: 92 DEERING AVENUE  
C. Town/City where facility is located: PORTLAND  
D. Mailing address: SAME  
E. Zip Code: 04102 F. Telephone: (207) 774-4547  
G. Directions to Facility: 92 DEERING AVENUE, PORTLAND  
H. Are any planned or existing tank(s) (including piping and pumps) within 1000 feet of a public water supply source? Yes      No X  
I. Are any planned or existing tank(s) (including piping and pumps) within 300 feet of a private water supply source? Yes      No       
J. (Complete if the answer to (I) above is YES.) Is the water supply which is located within 300 feet of the tank(s) owned by someone other than the facility owner or operator? Yes      No X  
K. Is the facility located on a sand and gravel aquifer or recharge area as mapped by the Maine Geological Survey? Yes      No X

(If you wish assistance in answering item (K), please call the Department at (207) 289-2651. Sand and gravel aquifer maps can be reviewed at any of the Department's offices or purchased at a nominal fee from the Maine Geological Survey, State House Station #22, Augusta, Maine 04333, (207) 289-2801.)

If the answer to item (H), (J) or (K) above is yes, the facility is in a sensitive geologic area requiring certain conditions for tank installation. A new or replacement tank used for marketing and distribution of oil in such an area requires secondary containment or ground water monitoring.

NOTE: The installation of 21,000 gallons or greater combined tank capacity, on a significant sand and gravel aquifer requires the installation of 360° double containment tanks and piping with interstitial monitoring.

STATE USE ONLY

Reviewer:      Date:      Map Number:      Comment:     

L. Facility is now or will be used for (check one):

- |                                                                |                                                                                  |
|----------------------------------------------------------------|----------------------------------------------------------------------------------|
| <input type="checkbox"/> Wholesale Distribution of Oil         | <input type="checkbox"/> Oil storage at a single family residence                |
| <input type="checkbox"/> Retail Distribution of Oil            | <input type="checkbox"/> Oil storage at a multi-family residence                 |
| <input type="checkbox"/> Oil storage at a Commercial           | <input type="checkbox"/> Oil storage/farm                                        |
| <input type="checkbox"/> Establishment for on-site consumption | <input checked="" type="checkbox"/> Oil storage/Public Facility (state or local) |
| <input type="checkbox"/> Oil storage at an Industrial          | <input type="checkbox"/> Oil storage/Federal Facility                            |
| <input type="checkbox"/> Establishment for on-site consumption | <input type="checkbox"/> Chemical (hazardous substance) storage                  |

(4)

12. If this registration involves the replacing or installing of tanks or piping, the following information must be attached:

- (a) A map, plotted on the most current 1:24,000 scale (7½ minute) USGS topographical quadrangle, showing the location of the facility. If a 7½ minute map is not available, a 1:62,500 scale (15 minute) map may be used.
- (b) Attach a drawing of the facility showing the location of TANKS AND PIPING to be installed and any existing tanks. THE FORM OF ADDITIONAL PROTECTION for tanks used for marketing and distribution of oil in sensitive areas MUST BE DETAILED ON THE DRAWING. Monitoring well locations must be provided for all tanks greater than 1,100 gallons used for on-site consumption of oil.

PLEASE REFER TO ATTACHED DIAGRAMS AND MAP.

(2)

3. TANK OWNER: A. Name: PORTLAND PUBLIC SCHOOLS  
(last) (first) (middle initial)  
B. Mail Address: 331 VERANDA STREET  
PORTLAND MAINE  
C. Town/City: \_\_\_\_\_ D. State: \_\_\_\_\_  
E. Zip Code: 04103 F. Phone: 874-8100
4. TANK OPERATOR: A. Name: PORTLAND PUBLIC SCHOOLS  
(if different from owner) B. Mail Address: (SAME)  
C. Town/City: \_\_\_\_\_ D. State: \_\_\_\_\_  
E. Zip Code: \_\_\_\_\_ F. Phone: \_\_\_\_\_
5. CONTACT PERSON: A. Name: RICHARD JONES B. Phone: 874-8126

6. Attach a check for the applicable registration fee made payable to the State of Maine Groundwater Fund and return with this form to the Department of Environmental Protection (Bureau of Oil and Hazardous Materials Control—State House Station #17, Augusta, Maine 04333).

Registration fees are applicable ONLY to active, new, or replacement tanks used for the MARKETING AND DISTRIBUTION OF OIL. Registration fees are due upon registration and annually thereafter, prior to the FIRST DAY OF JANUARY. Fees are as follows:

Number of Tanks \_\_\_\_\_ 6,000 gallons or under in size at \$25.00 per tank = \$ \_\_\_\_\_.

Number of Tanks \_\_\_\_\_ over 6,000 gallons in size at \$50.00 per tank = \$ \_\_\_\_\_.

Fee Computation Worksheet:

a. \_\_\_\_\_ # tanks 6,000 gallons or under in size at \$25.00 per tank = \$ \_\_\_\_\_.

b. \_\_\_\_\_ # tanks over 6,000 gallons at \$50.00 per tank = \$ \_\_\_\_\_.

c. Total Annual Fee due — add a & b = \$ \_\_\_\_\_.

7. MAKE TWO (2) COPIES OF THIS FORM. Submit the original to the Department of Environmental Protection (Bureau of Oil and Hazardous Materials Control—State House Station #17, Augusta, Maine 04333). SEND ONE (1) COPY TO THE LOCAL FIRE DEPARTMENT having jurisdiction. RETAIN THE THIRD COPY FOR YOUR RECORDS. For new and replacement tanks, registrations are due at least five (5) business days prior to installation.
8. Complete the next two (2) pages of this form and include each tank currently at the facility and each new or replacement tank planned for the facility.
9. CERTIFY THIS FORM BY SIGNING. By signing this form, I, the tank registrant, certify that all information is accurate and complete to the best of my knowledge, and that I will comply with all applicable federal, state, and local laws and regulations concerning the underground storage of petroleum or other hazardous materials. The owner or operator is required by Maine statutes to file an amendment to this registration with the Department of Environmental Protection immediately upon any change of information contained in this form.

Date: 7-13-90

DIANE M. ALBERT-AGENT OF OWNER

ASST. MANAGER-TANK DIV.

Owner or Authorized Employee of the Owner  
(Please print or type)

Title  
CLEAN HARBORS OF KINGST  
INC.

Signature: \_\_\_\_\_

Title

(3)

10. IF NEW OR RE-EXAMINED TANKS ARE INCLUDED WITH THIS REGISTRATION, PROVIDE:

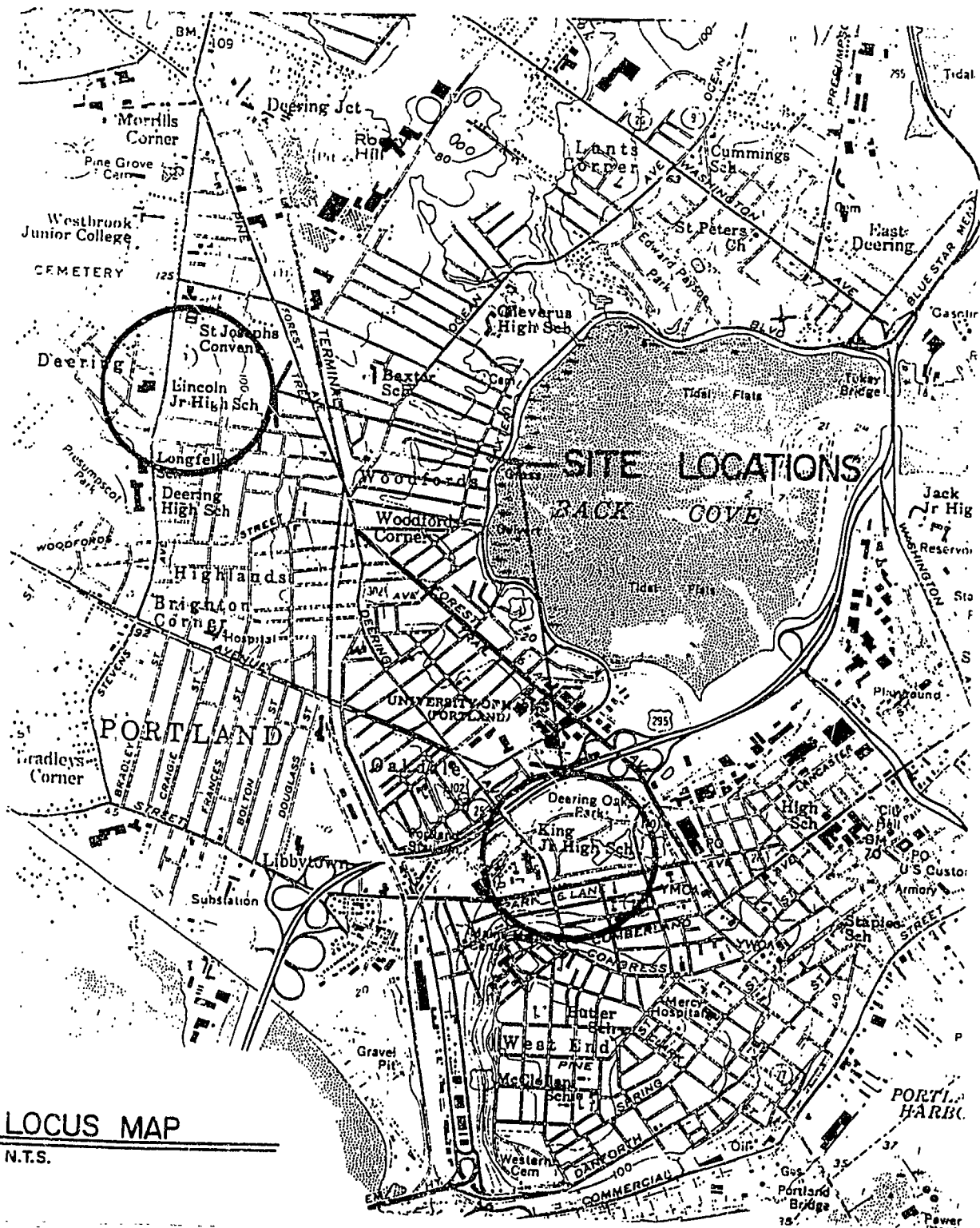
A. Name of Installer: JEFF EATON

B. Installer ID Number: 303

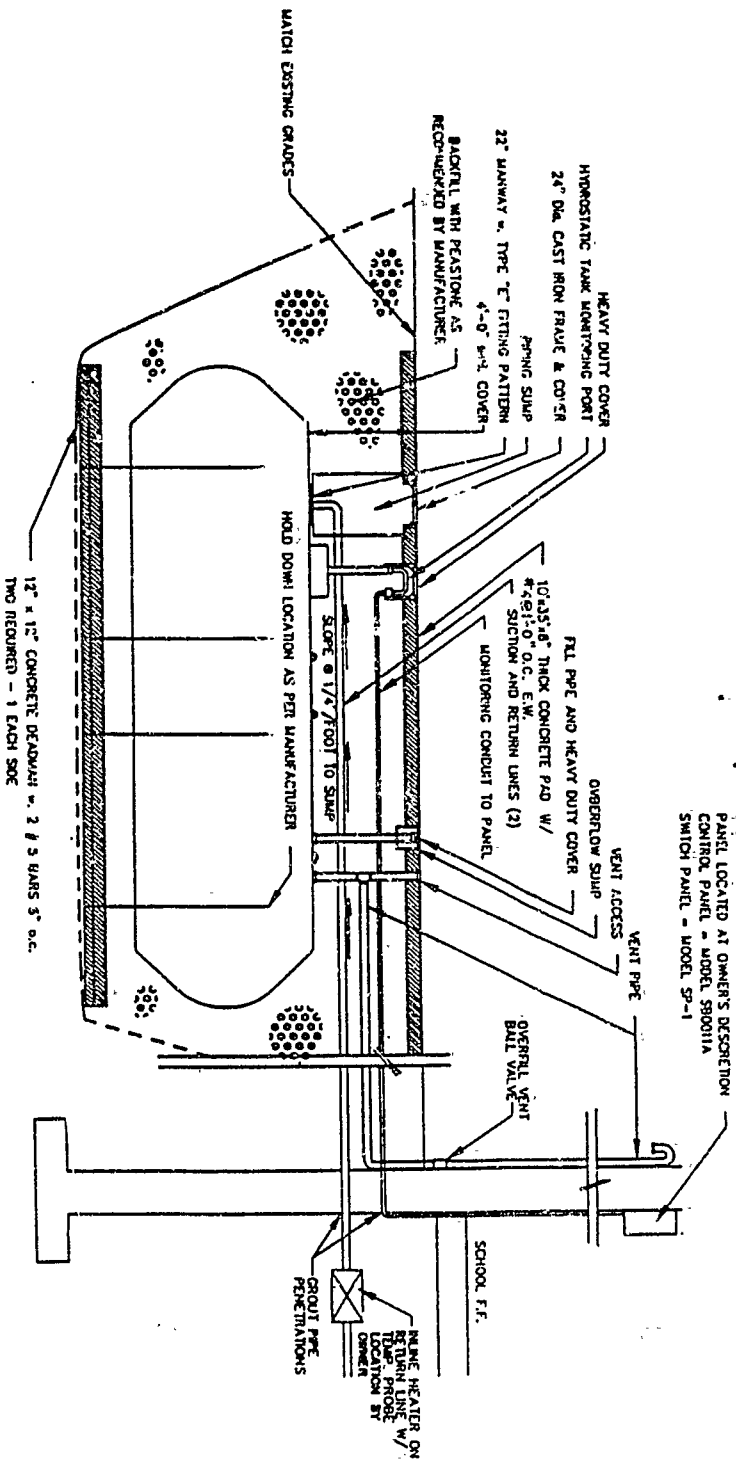
11. INDIVIDUAL TANK DATA (Complete one [1] line for each tank at the facility, including tanks planned for installation or replacement).

Date of Planned Installation 7/90

| A. Tank Number | B. Tank Type                                                                                       | C. Piping Type                                                                                                  | D. Tank Size                                           | E. Form of Additional Protection for New and Re-examined Tanks (Specify in Remarks or Remarks in Remarks)                                        | F. Product Stored                                                                                                                   | G. Tank Age | H. Status                                                                                               | I. Date removed from active service (if applicable) | J. System Type         |
|----------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------|
| 1              | X Bare or Asphalt-coated Steel<br>Cathodically Protected Steel<br>Double Walled<br>Other (Specify) | X Galvanized<br>Cathodically Protected Steel<br>Single Walled<br>Double Walled<br>Fiberglass<br>Other (Specify) | 10,000 Gallons                                         | Continuous Electronic Monitoring of Ground Water<br>Continuous Electronic Monitoring of Vapors<br>Secondary Containment<br>Ground Water Sampling | GASOLINE<br>Regular #1<br>Premium #2<br>Unleaded #4<br>Premium #5<br>Unleaded #6<br>Diesel<br>Chemical (Specify)<br>Other (Specify) | 9/51        | Planned<br>Active<br>Out-of-service<br>Abandoned in place (filled not removed)<br>X Planned for removal | (Mo) / (Yr)                                         | Suction<br>Pressurized |
| 2              | Cathodically Protected Steel<br>Double Walled<br>Other (Specify)                                   | Bare or Asphalt-coated Steel<br>Cathodically Protected Steel<br>Fiberglass<br>Double Walled<br>Other (Specify)  | 10,000 Gallons                                         | Continuous Electronic Monitoring of Ground Water<br>Continuous Electronic Monitoring of Vapors<br>Secondary Containment<br>Ground Water Sampling | GASOLINE<br>Regular #1<br>Premium #2<br>Unleaded #4<br>Premium #5<br>Unleaded #6<br>Diesel<br>Chemical (Specify)<br>Other (Specify) | 7/90        | X Planned<br>Active<br>Out-of-service<br>Abandoned in place (filled not removed)<br>Planned for removal | (Mo) / (Yr)                                         | Suction<br>Pressurized |
|                |                                                                                                    |                                                                                                                 | Owens-Corning Interstitial space and pipe sump monitor |                                                                                                                                                  |                                                                                                                                     |             |                                                                                                         |                                                     |                        |
|                | Cathodically Protected Steel<br>Double Walled<br>Other (Specify)                                   | Bare or Asphalt-coated Steel<br>Cathodically Protected Steel<br>Fiberglass<br>Double Walled<br>Other (Specify)  | Gallons                                                | Continuous Electronic Monitoring of Ground Water<br>Continuous Electronic Monitoring of Vapors<br>Secondary Containment<br>Ground Water Sampling | GASOLINE<br>Regular #1<br>Premium #2<br>Unleaded #4<br>Premium #5<br>Unleaded #6<br>Diesel<br>Chemical (Specify)<br>Other (Specify) |             | Planned<br>Active<br>Out-of-service<br>Abandoned in place (filled not removed)<br>Planned for removal   | (Mo) / (Yr)                                         | Suction<br>Pressurized |
|                | Cathodically Protected Steel<br>Double Walled<br>Other (Specify)                                   | Bare or Asphalt-coated Steel<br>Cathodically Protected Steel<br>Fiberglass<br>Double Walled<br>Other (Specify)  | Gallons                                                | Continuous Electronic Monitoring of Ground Water<br>Continuous Electronic Monitoring of Vapors<br>Secondary Containment<br>Ground Water Sampling | GASOLINE<br>Regular #1<br>Premium #2<br>Unleaded #4<br>Premium #5<br>Unleaded #6<br>Diesel<br>Chemical (Specify)<br>Other (Specify) |             | Planned<br>Active<br>Out-of-service<br>Abandoned in place (filled not removed)<br>Planned for removal   | (Mo) / (Yr)                                         | Suction<br>Pressurized |



LOCUS MAP  
N.T.S.



PANEL LOCATED AT OWNER'S DISCRETION  
CONTROL PANEL - MODEL 580011A  
SWITCH PANEL - MODEL SP-1

#### GENERAL TANK & FITTING NOTES: (N.T.S.)

1. TANK TO BE EQUIVALENT TO "OWENS/CORNING" 10,000 GALLON DOUBLE WALL FIBERGLASS TANK (DWT-27(4))
2. ALL FITTINGS TO THE PRIMARY TANK ARE 4" NPT HALF JOINTS.
3. ALL SUPPLY AND VENT PIPING TO BE DOUBLE WALL FIBERGLASS REINFORCED PIPE SLOPED AT 1/4" / FOOT TO TANK, PIPING TO BE BED IN SLOPE OR SAND.
4. MANWAY TO BE 22" DIAMETER WITH TYPE "C" FITTING LAYOUT.
5. PIPING SUPPLY AND BURN RESERVOIR SHALL BE MONITORED.
6. ANTIFREEZE COMPONENT SHALL BE BURN.
7. TANK TO BE EQUIPPED WITH A OVERFILL SHUTOFF SWITCH.

| PINKHAM & GREER              |      |
|------------------------------|------|
| CONSULTING ENGINEERS         |      |
| 770 US ROUTE ONE             |      |
| FALLS CHURCH, VIRGINIA 22046 |      |
| (807) 781-0348               |      |
| REVISIONS                    | DATE |
|                              |      |
|                              |      |
|                              |      |
|                              |      |
|                              |      |

REPLACE ALL PIPING TO THE  
BOILER ROOM WITH DOUBLE  
WALL FIBERGLASS PIPE

PP

OIL TANK  
LOCATION

LIMIT OF  
WORK AREA

PARKING LOT

BOILER  
ROOM

KING MIDDLE  
SCHOOL

NOTES: EXISTING OIL TANK TO BE REPLACED  
BY 10,000 GALLON FIBERGLASS OIL  
TANK. ADJUST GRADE FOR NEW TANK.

THIS PARTIAL PLAN WAS TAKEN FROM THE  
ORIGINAL CONSTRUCTION DRAWINGS.

## SITE PLAN

N.T.S.

PINKHAM & GREER

CONSULTING ENGINEERS

170 US ROUTE ONE  
FALMOUTH, MAINE 04108  
(207) 781-6342

REVISIONS DATE