

October 8, 1956

letter of instruction to the contractor.

5.35 Amendment No. 1 is issued on the basis of Sheet 2 of the plans, revised September 28, 1956 and Sheet X-4, dated September 25, 1956 with reference particularly to Sheet S-2, 4/9/56.

It is the impression that the floor over the incinerator room is wooden frame, and the plan shows a ceiling of cement asbestos with a minimum clearance between top of breeching and the ceiling of eight inches. This type of ceiling is very far from providing 2-hour fire-resistance and the necessary clearance indicated by NFPA between top of such a flue pipe and combustible construction is 36 inches.

To afford 2-hour fire-resistance the cinder concrete blocks indicated are required to have shells no less than one and one-half inches thick. Door G33 is required to be at least Class B labelled fire door set in structural metal or hollow metal frame and made self-closing or automatic closing.

5.36 The amendment is issued on the condition that the contractor delay construction of the slab of the oxygen platform until he has received a plan of the details of the framing of the roof over the oxygen platform and its supports, and filed a copy here with his application for this amendment No. 1. Incidentally, will the architect note that if the 2-inch pipe column indicated on S-2 under this roof is to be used, its adequacy as to strength and stiffness is to be demonstrated since it would be less than three inches in external diameter (See Section 311f3.2 of the Code).

5.37 It will be necessary to see that the existing sprinkler system in the wooden frame building is adjusted to provide coverage over the incinerator room. This, however, has nothing to do with the fire resistance of ceiling and the clearance above flue pipe indicated above.

5.38 Since it is understood the need of the hospital to put the new incinerator into use quickly is very great, and since none of the work of installing the incinerator, breeching, flue pipe and stack is allowable until a permit has been issued from this department to the actual installer, it is important that the actual installer file application for the installation and erection of these appliances quickly, and with the application furnish full information to show compliance with Building Code requirements, which set up as standard NFPA Pamphlet No. 82. All concerned, please note with reference to this pamphlet:

--no approval of the incinerator as specified has been found either by UL or AGA. Its walls are required to be equivalent to Section 3.3 of Pamphlet 82.

--Section 3.11 of Pamphlet 82 requires lining of steel stack to the full height of the flue instead of the 25 foot height inspecifications. It should be demonstrated by some well recognized criterion that the lining proposed is at least equal to the four and one-half inches of fire brick specified in 3.11.

--3.10 of Pamphlet 82 requires that the breeching between flue pipe and incinerator be no lighter than No. 12 U.S. gauge, while specifications call for connection between incinerator and the breeching to be 14 gauge.

W. & Saunders
H. B. McLellan Co.

October 8, 1956

5.39 It is hoped that the necessary supplementary plans and written instructions to contractor may be in hand here before October 12. As soon as this material has been filed here, it will be necessary for the contractor to wait for notification from this department that all is in order before proceeding with the delayed work.

Very truly yours,

Warren McDonald
Inspector of Buildings

WMC/B

2 + 35



APPLICATION FOR AMENDMENT TO PERMIT

Amendment No. #1
Portland, Maine, October 1, 1957

PERMIT ISSUED
OCT 8 1956
CITY OF PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE
The undersigned hereby applies for amendment to Permit No. 56/1158 pertaining to the building or structure comprised in the original application in accordance with the Laws of the State of Maine, the Building Code and Zoning Ordinance of the City of Portland, plans and specifications, if any, submitted herewith, and the following specifications:

Location 335 Brighton Ave. Within Fire Limits? Dist. No.
Owner's name and address Osteopathic Hospital of Maine, Inc., 335 Brighton Ave. Telephone
Lessee's name and address Paul E. McLellan Co., 52 Marginal Way Telephone
Contractor's name and address Plans filed yes. No. of sheets 2, Sheet 2 and XL
Architect No. families
Proposed use of building Hospital No. families
Last use Additional fee \$50
Increased cost of work

Description of Proposed Work

- To construct oxygen platform (delaying construction of slab and roof over until details received and checked.)
- To construct foundation for incinerator stack (excluding stack)
- To construct incinerator room in basement of original hospital building, but delay starting it until details of construction are received and approved.

Permit Issued with Letter

Details of New Work Paul B. McLellan Co.

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

Signature of Owner By: *Paul B. McLellan*
Approved: 9/6/56 *W. W. ...* Inspector of Buildings

November 2, 1956

AP 335 Brighton Ave.—Installation of incinerator, stack and breeching in connection with addition to and alterations of Osteopathic Hospital of Maine

Letter # 7

Mr. John C. Forbes
Fibrico Sales & Service Co.
P. O. Box 1594
Osteopathic Hospital of Maine, Inc.
335 Brighton Ave.

Copies to Stevens & Saunders
Paul B. McLellan Co.,

Gentlemen:

7.45 Permit to cover installation of incinerator, breeching and stack is issued to Mr. Forbes, herewith, subject to the following:

- enclosing walls of combustion chamber are to afford structural strength, insulating value and ability to withstand thermal expansion and flame impingement equivalent to these qualities of eight inch thickness of brickwork and four and one-half inches of fire brick with space between masonry wall and lining sufficient to provide for expansion and contraction.
- the breeching to have a lining equivalent in protection and insulating value to four and one-half inches of fire brick.
- the smokestack to have a lining equivalent to four and one-half inches thickness of fire brick in fire clay mortar for full height of the flue.
- Section 32-07e of the specifications calls for a lined breeching to extend from the stack only to six inches inside incinerator ^{from} connection between incinerator and breeching to be of 14 gauge black steel. It seems clear that this latter section next to the incinerator is a part of the breeching and, therefore, is to be no less than No. 12 gauge. The specifications do not make clear that this section of the breeching is to be lined. The regulations require a lining of the entire breeching as indicated above.

7.46 With reference to our paragraph 5.38, we have a letter from Fibrico headquarters which contains the assurance that stack, breeching and incinerator complies with NEFU Pamphlet No. 82, but no proof is established by way of laboratory tests or certifications. Mr. Forbes has been in the office about this, and since these protective linings are clearly to protect the stack and breeching and the incinerator walls from deterioration due to high heat, he has been told that we will issue this permit on the basis that the protection of this equipment from deterioration is largely a concern of the owner. On that basis we shall not hold out for authoritative proof. He, however, is contacting his company again to secure competent support for their assurances which will be available to this owner and architect when received, since they will be filed at this office.

Mr. John C. Forbes
Osteopathic Hospital of Maine, Inc.-----2

November 2, 1956

7.47 I understood Mr. Forbes to say that the stack and breeching had already been lined and were waiting for construction of foundation and setting up the incinerator which, it is understood must be put in place before the walls of the incinerator room have been built. I also understood him to say that the stack had been lined for only 25 feet of its height instead of the entire height as called for by MBFU regulations. Again, we shall not interpose any objections to this arrangement, if the owner is satisfied with something less than NEFU recommendations.

Very truly yours,

Warren McDonald
Inspector of Buildings

WMcD/B

Enclosure to Mr. Forbes: Permit and copy of application

NS
B



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, Oct. 9, 1956

PERMIT ISSUED NOV 2 1956 01945 CITY OF PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

N-NFC

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 335 Brighton Ave. Use of Building hospital No. Stories New Building
Name and address of owner of appliance Osteopathic Hospital of Maine, Inc.
Installer's name and address Plibrico Sales & Service Co., P.O. Box 1994 Telephone 2-1784

General Description of Work

To install incinerator, breeching and stack Plibrico GT 48

IF HEATER, OR POWER BOILER

Location of appliance separate room Any burnable material in floor surface or beneath? no
If so, how protected? Kind of fuel?
Minimum distance to burnable material, from top of appliance or casing top of furnace
From top of smoke pipe From front of appliance From sides or back of appliance
Size of chimney flue Other connections to same flue
If gas fired, how vented? Rated maximum demand per hour
Will sufficient fresh air be supplied to the appliance to insure proper and safe combustion?

IF OIL BURNER

Name and type of burner Labelled by underwriters' laboratories?
Will operator be always in attendance? Does oil supply line feed from top or bottom of tank?
Type of floor beneath burner Size of vent pipe
Location of oil storage Number and capacity of tanks
Low water shut off Make No.
Will all tanks be more than five feet from any flame? How many tanks enclosed?
Total capacity of any existing storage tanks for furnace burners

IF COOKING APPLIANCE

Location of appliance Any burnable material in floor surface or beneath?
If so, how protected? Height of Legs, if any
Skirting at bottom of appliance? Distance to combustible material from top of appliance?
From front of appliance From sides and back From top of smokepipe
Size of chimney flue Other connections to same flue
Is hood to be provided? If so, how vented? Fed by gravity?
If gas fired, how vented? Rated maximum demand per hour

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

Stack will be lined for the entire length
1" breeching between flue pipe and incinerator

Permit issued with Letter

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

APPROVED:

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

Plibrico Sales & Service Co.

COPY

Signature of Installer by: John E. Jones

NOTES

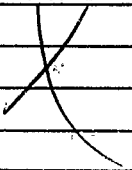
11-16-56 Stack & Breaching
arriving on job. from Portland
Copper Works.

Breaching has 2" ± fire clay
between double wall.

Stack - base + 30 to 40 ft of
stack ~~not~~ lined. Base
ready to bolt on stack.

11/19/56 showed in
no. 9. about lining
of stack -

3-20-57 Bottom 6 ft
of stack not lined
OK Screen on top
7-4-58 Completed



Permit No. 5611945
Location 335
Owner
Date of permit 11/2/56
Approved

335
P...
C...
11/2/56



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, Oct. 9, 1956

PERMIT ISSUED

01945
NOV 2 1956

CITY of PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

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

Location 335 Brighton Ave. Use of Building hospital No. Stories New Building
Name and address of owner of appliance Otaoapathic Hospital of Maine, Inc.
Installer's name and address Flibrico Sales & Service Co., F.O. Box 1994 Telephone 2-1734

General Description of Work

To install incinerator, breeching and stack Flibrico GT 4E

IF HEATER, OR POWER BOILER

Location of appliance separate room Any burnable material in floor surface or beneath? no
If so, how protected? Kind of fuel?
Minimum distance to burnable material, from top of appliance or casing top of furnace
From top of smoke pipe From front of appliance From sides or back of appliance
Size of chimney flue Other connections to same flue
If gas fired, how vented? Rated maximum demand per hour
Will sufficient fresh air be supplied to the appliance to insure proper and safe combustion?

IF OIL BURNER

Name and type of burner Labelled by underwriters' laboratories?
Will operator be always in attendance? Does oil supply line feed from top or bottom of tank?
Type of floor beneath burner Size of vent pipe
Location of oil storage Number and capacity of tanks
Low water shut off Make No.
Will all tanks be more than five feet from any flame? How many tanks enclosed?
Total capacity of any existing storage tanks for furnace burners

IF COOKING APPLIANCE

Location of appliance Any burnable material in floor surface or beneath?
If so, how protected? Height of Legs, if any
Skirting at bottom of appliance? Distance to combustible material from top of appliance?
From front of appliance From sides and back From top of smoke pipe
Size of chimney flue Other connections to same flue
Is hood to be provided? If so, how vented? Forced or gravity?
If gas fired, how vented? Rated maximum demand per hour

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

Stack will be lined for the entire length
in breeching between flue pipe and incinerator

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

VED:

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

Flibrico Sales & Service Co.

Signature of Installer by

John E. Forbes

File copy

August 29, 1956

AP - 335 Brighton Avenue

Copies to: Stevens & Saunders

Gould Farmer Co.
70 Free Street

Osteopathic Hospital
of Maine

Gentlemen:-

Information furnished with application for permit for installation of three oil burners in hospital at the above location is not sufficient to indicate compliance with Building Code requirements. Some of details in question are as follows:-

1. Apparently there are to be as many as five boilers in the boiler room. In which three of the boilers are these oil burners to be installed?
2. If you are not to install the low water cut-offs, who is and what is the make and type of equipment to be used?
3. Are you to install the fuel oil storage tank? ^{yes} If so, is tank to bear the Underwriters' Label? If not, who is to install the tank.
4. If installation of tank is to be included in work covered by this permit, it will be necessary to furnish copy of architectural plans showing location of tank and details of its coverage and depth below the finished grade for use of the Fire Department, whose approval of permit must be secured before its issuance.
5. We note that application for permit has not been signed. It is necessary that this be done.

*Mr. D. J. Miller
#150*

*3 coming out
3 - see plan
E. N. Cunningham
don't know*

2' 2 1/2"

Very truly yours,

Albert J. Sears
Deputy Inspector of Buildings

AJS/C

August 31, 1956

Mr. J. J. Liberty, Chief of Fire Department

Mr. J. J. Sears, Deputy Inspector of Buildings

Location of 5000 gallon underground oil storage tank at Osteopathic Hospital of Maine.

Permit for installation of three oil burners in boiler room at Osteopathic Hospital and fuel oil storage tank in connection therewith is sent to you herewith for approval. Accompanying plans show location and covering of tank, which is to be located in an areaway beside the new wing under construction and covered with earth as indicated.

Deputy Inspector of Buildings

AJS/G
Attachment: Application, permit card and plans



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, Aug. 28, 1956

PERMIT ISSUED 01446 1956 CITY OF PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

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

Location 335 Brighton Ave. Use of Building hospital No. Stories New Building Existing " Name and address of owner of appliance Osteopathic Hospital, 335 Brighton Ave. Installer's name and address Gould-Farmer Co., 70 Free St. Telephone 3-8187

General Description of Work

To install (3) oil burning equipment in connection with steam boilers

IF HEATER, OR POWER BOILER

Location of appliance Any burnable material in floor surface or beneath? If so, how protected? Kind of fuel? Minimum distance to burnable material, from top of appliance or casing top of furnace From top of smoke pipe From front of appliance From sides or back of appliance Size of chimney flue Other connections to same flue If gas fired, how vented? Rated maximum demand per hour Will sufficient fresh air be supplied to the appliance to insure proper and safe combustion?

SENT TO Fire Dept. 8/31/56 Rec'd from Fire Dept. 9/5/56

IF OIL BURNER

Name and type of burner Petro Labeled by underwriters' laboratories? yes Will operator be always in attendance? Does oil supply line feed from top or bottom of tank? top Type of floor beneath burner concrete Size of vent pipe 2" Location of oil storage outside, underground Number and capacity of tanks 1-5000 gal. Low water shut off to be supplied by others Make M+M No. 1650 Will all tanks be more than five feet from any flame? How many tanks enclosed? Total capacity of any existing storage tanks for furnace burners

IF COOKING APPLIANCE

Location of appliance Any burnable material in floor surface or beneath? If so, how protected? Height of Legs, if any Skirting at bottom of appliance? Distance to combustible material from top of appliance? From front of appliance From sides and back From top of smokepipe Size of chimney flue Other connection to same flue Is hood to be provided? If so, how vented? Forced or gravity? If gas fired, how vented? Rated maximum demand per hour

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

MR ALLEN SAYS TANK IS TO BEAR UND LABEL AND THAT THESE BURNERS ARE TO BE INSTALLED IN 3 NEW BOILERS WHICH ARE TO REPLACE EXISTING ONES

Amount of fee enclosed? 3.00 (\$2.00 for one heater, etc., 50 cents additional for each additional heater, etc., in same building at same time.)

APPROVED:

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

CITY OF PORTLAND PRINTING CO.

FILE COPY

Signature of Installer

August 16, 1956

335 Brighton Ave.—Addition to and alterations of the Osteopathic Hospital
Letter No. 3 (important paragraphs numbered consecutively through
entire series with the number of the letter in which
they occur prefixed)

Stevens & Saunders
187 Middle St.
Paul B. McLellan Co.,
52 Marginal Way

Copy to Osteopathic Hospital of Maine, Inc.
335 Brighton Ave.

Gentlemen:

3.23 - Advance permit for partial foundation construction having been issued on July 20, and it being understood that concreting is already underway, attention of the architects is requested to paragraphs 2.17, that the question of stiffness of the isolated brick wall may be cleared up before the desirable time comes to construct the foundation forms and pour the concrete in them; to 2.19, that we may be receiving the test reports or assurance that a definitely named inspector is to be on the job at all times when self-supporting concrete is being placed; and to 2.20, 2.21 and 2.22—that we may have quickly a copy of written instructions to the contractor specifying these details or notice that we have overlooked them somewhere in plans or specifications.

3.24 - Because of the several complicated jobs which we are handling, some of them advance permits before plans have been completed to show compliance, it is important to bear in mind that authority to proceed beyond the limitations of an advance permit is not given, but when the limits of such a permit have been reached, the contractor is expected to stop until further work is covered by the actual issuance of more permit authorization.

3.25 - Most of the items in letter No. 1 were examined with Mr. Michaud of the architect's office on July 20. 1.2 has been cared for, and we have received crayon marked plans with reference to 1.10. As to 1.12 he says that there will be no inflammable film storage in the building. He gave informal assurances with regard to most of the other items in letter No. 1; but will the architects please bear in mind that all of these should be formally authorized by letter or revised plan to the contractor, copy to us, before permit covering the general work can be issued. The difficulties of Federal Government participation are realized, but, no doubt, those can be overcome in some practical way so that we will know before the general permit is issued and our Field Inspector will know after the general permit is issued that the contractor has full authorization from the owner to proceed with all details to comply with the Building Code, being the same details as he is expected to coordinate with the contractor's superintendent and to check on.

3.26 - With reference to 1.9, it was understood that a new outside fire escape was being contemplated to obviate enclosure of the two inside stairways as required for "safe egress". Later we had the inquiry as to whether or not the enclosure of the interior stairs for "safe egress" could be omitted in view of the fact that the

August 16, 1956

third floor would be living quarters for nurses or attendants, specifically internes. However, upon examination of the plans, it appears that the set we have designated on the third floor one space for major operating, two for special operating and one for recovering. Unless these occupancies are to be permanently changed, it appears that Section 209e5 would apply to the third floor.

3.27 - An error is found in 1.13 in that 26-01a of specifications implies at least that sprinkler system in remaining portion of wooden building will be adjusted and remain, and that storage areas in the basement of new part of the old building will be sprinklered. No mention is made of sprinkler protection required in the storage area in basement of addition to wing. Since that requirement will necessitate a branch into the new basement, it is recommended that the architects consult the owners to see if they would not like to incur the slight expense of providing sprinkler heads in the kitchen, laundry and janitor's closet, even though not specifically required under the term "storage".

3.28 - With reference to 1.13, examination of the standpipe and hose system raises a number of questions, bearing in mind that NFPA Pamphlet No. 14 is the standard in Portland. It appears that fire protection main (indicated as 4-inch), and vertical standpipe and branches are to be furnished by the plumber. No size of vertical standpipe or branches has been found. Hose cabinets, fire hose and fittings are to be supplied by sprinkler and standpipe contractor.

Will architects examine Pamphlet 14 and advise whether standpipe is proposed as "small" or "large"? Less than two and one-half inch hose indicates a "small" standpipe; but with that type, hose in each cabinet is not to exceed 75 feet (100 feet) specified. With 75 feet of hose the requirement that nozzle would have to be effective within 20 feet of its outlet, would not be met, necessitating more than one standpipe. This seems most important to get cleared up quickly.

3.29 - BC Section 212F3.2 indicate that doors in elevator enclosure are to bear label identifying as Class B—either Underwriters' Lab., Factory Mutuals, or Materials Approval Committee EOCA, a one and one-half hour protective being allowable under the latter approval.

3.30 - Nurses dining room is of such size as to be classified as a Minor Assembly Hall unless the owners desire to limit its occupancy by written statement to not more than 20 persons at one time, such a limitation to appear on the required certificate of occupancy before the new part is occupied. Otherwise the means of egress are not sufficient and the counter and folding door between the room and the kitchen need adjustment to provide an exit door swinging toward the kitchen, a suitable exit light over it and an exit light across the kitchen to indicate the rear exit, hardware on both doors to be at least vestibule lockset. It is to be borne in mind that such rooms are frequently adapted for recreation or training purposes requiring seating without tables. On that basis the capacity of the room figures to be about 70.

Very truly yours,

Warren McDonald
Inspector of Buildings

WMC9/B

11/24/56

July 20, 1956

At 335 Brighton Ave.--Advance permit for portion of foundation only for addition to and alterations of the Osteopathic Hospital--Letter number 2 (important paragraphs numbered consecutively through entire series with the number of the letter in which they occur prefixed)

Paul E. McLellan Co.,
52 Marginal Way
Stevens & Saunders
187 Middle St.

Copy to Osteopathic Hospital of Maine, Inc.
335 Brighton Ave.

Gentlemen:

Advance permit for portions of the foundation only is issued herewith to the contractor, subject to the following:

- 2.16 Specific plans of foundation on which this permit is issued are architect's Sheets S-1, S-2, and S-3--all dated 4/9/56.
- 2.17 Foundations beneath the new portion at the front of the original wooden frame hospital are excluded from this permit because time has not been found to examine the details.
Foundation for the brick wall, apparently intended as a shield and support for the rear fire escape, is also excluded because of the question as to whether or not the wall as shown would have adequate lateral support in accordance with Section 309b8 of the Code.
- 2.18 This advance permit is issued without prejudice to the effect of any of the questions raised in letter No. 1.
- 2.19 With reference to Section 4-03b of the specifications, it is understood from Mr. Wheaton of the architects that compression tests at least will be made of all of the concrete. Please see to it that the testing laboratory sends copies of all reports on quality and strength of concrete direct to this office as fast as they are available.
In event of any change in the proposal to test all concrete, it appears necessary from the standpoint of the Building Code that all self-supporting reinforced concrete should have at least the usual compression tests; or, if these are not to be made and reports furnished here regularly, we should receive the assurance from the architects that a competent inspector will be present on the job and checking concrete of this character at all times when it is being poured as well as checking the placing, spacing and support of the reinforcement. If this should be various inspectors, will the architects please advise the name of the one responsible for each particular part of this kind of reinforced concrete?
- 2.20 Section 4-03a of the specifications indicates somewhat more water content in the concrete than the 6.75 gallons maximum stipulated by Section 310a2.3

Paul B. McLellan Co.,
Stevens & Saunders

2

July 20, 1956

of the Code for 1:6 concrete at 2500 pounds. The supplier of concrete should be notified accordingly as well as the testing laboratory and the inspector on the job. If there is any compelling reason why the Code should not be followed, please take the matter up at once with us.

- 2.21 Dimensioned thickness of concrete protection for reinforcement has not been discovered. If it is contained somewhere in plans or specifications, please advise. If not, architect should direct contractor by letter, with copy to us, as per Section 507(a) & (b) of American Concrete Institute Building Code requirements (ACI318-51).
- 2.22 With reference to Section of Typical Column Footing on Sheet S-1 the net diameter of the actual structural column is shown with indication of protection against corrosion. Probably most of the fire-proofed Lally columns will come with two inches of concrete and the outer metal shell for 4-hour fireproofing. Will not some difficulty ^{arise} be in seating the columns without interference of anchor bolts?

Very truly yours,

Warren McDonald
Inspector of Buildings

WMcD/B

Enclosure to McLellan Co.: Advance permit card and copy of application

7B + 8A

July 10, 1946

MEMORANDUM FOR THE DIRECTOR

1. The purpose of this memorandum is to inform you of the results of the investigation conducted by the Bureau of Investigation into the activities of the Communist Party, U.S.A., in the construction industry.

2. It is noted that the Communist Party, U.S.A., has been active in the construction industry for many years and has been successful in securing the services of many prominent construction executives and engineers.

3. The results of the investigation conducted by the Bureau of Investigation into the activities of the Communist Party, U.S.A., in the construction industry, are as follows:

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2. The results of the investigation conducted by the Bureau of Investigation into the activities of the Communist Party, U.S.A., in the construction industry, are as follows:

July 10, 1956

1.12 Section 209f5. No rooms specifically for storage of films have been discovered and it is unlikely that nitro-cellulose films will ever be used or stored in the building. If so the spaces would have to be enclosed in accordance with this section. It is believed that any type of film storage room and the rooms for storage of anesthetics come under the classification of hazardous rooms as described in Section 118, and therefore require walls or partitions having 1-hour or more fire resistance with openings equipped with no less than labelled Class C fire doors made self-closing.

1.13 Section 209f7. The intention to have sprinkler protection in any part of the addition or altered original hospital has not been discovered. The ground floor is classified as the basement under the Building Code therefore all storage or work shops at that level require protection of automatic sprinkler system.

Presumably the standpipes and hose have been designed and indicated according to the standards set by the Municipal Officers as Pamphlet 14 of National Fire Protection Association, which represents the recommendations of the National Board of Fire Underwriters.

1.14 Section 209f8. Since the private inside fire alarm system will have to be adjusted and extended and both it and the matter of location of private fire alarm box connected with the City System must be approved by the Chief of the Fire Department, it is assumed that the architects have or will get clearance of this system from the Chief so that we can secure his approval before the general construction permit is issued.

1.15 Section 209i3. No check has been made upon the emergency source of electric current for the operating rooms, but we will ask the Electrical Department to pass on that subject before the general permit is issued. It is not known whether the number of patients to be accommodated in the enlarged hospital will be 100 or more. If the number of patients at one time would equal or exceed 100, the architect should satisfy the Chief of the Fire Department for his approval before the permit is issued since he is the executive of the Board of Fire Engineers.

More to follow.

Very truly yours,

Warren McDonald
Inspector of Buildings

WMcd/B

see letter #16 - 16.78

December 19, 1956

BP 335 Brighton Ave.--Addition to and alterations of Osteopathic Hospital
of Maine, Inc.

Letter No. 12

Stevens & Saunders
187 Middle St.
Paul B. McLellan Co.,
52 Marginal Way

Copies to McLellan Co. for plumbing
contractor and sprinkler and
standpipe contractor (2)

Osteopathic Hospital of Maine, Inc.
335 Brighton Ave.

Gentlemen:

Upon re-reading check of our former letters, the item below seems urgent
enough to warrant this special letter about it.

12.57 Architect's letter of 9/5/56 gives no conclusive answers to the matter
of standpipe system in answer to our 3.28. Please advise quickly:

--which type of standpipe and hose system is proposed ("small" or
"large" as described in Pamphlet No. 14)?

--if "large", the one and one-half inch hose specified is not large
enough.

35'
2 1/2"
--if "small", are two standpipes proposed since length of hose at
each cabinet may not exceed 75 feet and that length with one stand-
pipe would not meet the requirements for having the nozzle effective
within 20 feet of its outlet and still cover all spaces.

--what size standpipes?

12.58 The architect's assurance, from conversation with the contractor, that
all will comply with Pamphlet 1, is not specific enough. Does it
not simmer down to the fact that instructions from owner to con-
tractor, with copy to this office, should either order two standpipes
with not more than 75 feet of one and one-half inch hose at each
station (location of additional standpipe to be shown on the plans)
and the vertical standpipes to be no less than two inches in diameter;
or to hold to the presently indicated single vertical standpipe for a
"large" system, specifying two and one-half inch hose with four inch
vertical standpipe and neither more nor less than 100 feet of hose at
each station?

OK
2-14-57

No

Very truly yours,

Warren McDonald
Inspector of Buildings

WHC/D

ES on Page 2

Stevens & Saunders
Paul B. McLellan Co.

2

December 19, 1956

- P. 3. Enclosed to McLellan Co. are two copies of this letter, one for plumbing contractor and the other for standpipe and hose contractor if they may be of assistance in getting the matter cleared up.

It is to be noted that the plumbing plans which we have bear latest revision date of 9/12/56, while last schedule of dates of revision show P-1 revised 10/19/56, P-2, 9/12/56 (we have this one up to date), P-3, 11/9/56 and P-4, 11/20/56.

BB

STEVENS AND SAUNDERS
ARCHITECTS
187 MIDDLE STREET · PORTLAND 3, MAINE

Members of the American Institute of Architects
JOHN HOWARD STEVENS
JOHN CALVIN STEVENS 2ND
JAMES COOPER SAUNDERS

COPY

November 30, 1956

Paul B. McLellan Company
52 Marginal Way
Portland, Maine

Att: Mr. Stuart H. Bowdoin

Re: Osteopathic Hospital of Maine, Inc.

Gentlemen:

At a meeting with Mr. McDonald Tuesday P.M. regarding the spandrel box girder to support roof over existing corridor and third floor addition (Section E-E, Sheet S-6; revised 11/15/56), it was decided to increase the size of the "spacer" plates on either side of the box girder from 2" x 1/4" x depth of angle to 2" x 2" x depth of angle; these plates to be welded both top and bottom, both to the channel and the continuous angle, to transmit the entire load of the floor and roof to the box girder without relying upon bolts.

This will serve as your authorization for performing this work.

Very truly yours,

George M. Wheaton
STEVENS & SAUNDERS

GMW:nlb

cc: Mr. Warren McDonald

*M.F. Fe. this is
what actually
was done
with your
papers*

*also
welded
vertically
12/3/56*

RECEIVED
NOV 30 1956
CITY OF PORTLAND

November 28, 1956

BP 335 Brighton Ave—Addition to and alterations of Osteopathic Hospital of Maine, Inc.

Letter # 10

Paul B. McLellan Co.
52 Marginal Way
Stevens & Saunders
187 Middle St.

Copy to Osteopathic Hospital of Maine, Inc.
335 Brighton Ave.

Gentlemen:

The following features of the work, formerly excluded from the permit or in question as to detail or design, are approved with the conditions noted, without the formality of application for and issuance of an amendment—this to save time of all concerned at this stage of the work; but this is not to be taken to eliminate the need for application for later amendments when the character of the change or the additional work over and above that included in the original permit, require the formality of an amendment.

10.49 Foundation of brick wall at the rear outside stairway and the roof over. (Par. reference Par. 2.17 and 4.13) (Sheet 24, original date 4/9/56, bearing note from Mr. Wheaton of 10/11/56, filed in this office 10/12/56). There is some indication that this sheet referred to is not the latest one, but the important change that we are now concerned with is the channels of the stairway against this brick wall, which are marked 12-inch at 20.7 lbs. This one channel alone against the wall (one channel for each of two runs) appears adequate to stiffen the wall at the necessary points. However, these channels, though bolted to the brick wall, are to be welded to the angles at the concrete landings in a manner calculated to take the full reaction of the channel to support wind load without consideration of the bolting to the wall. This is not a normal situation, and it seems the responsibility of the architect to design the joints connecting the channels to the landings and so instruct the contractor's welder. It is noted that these channels are indicated in Section 7g of the specifications as intended to be 10-inch channels at 8.4 lbs. This entry it appears must be in error.

10.50 Spandrel box girder to support roof over existing corridor and third floor of addition (Section E-E Sheet 3-6, revised 11/15/56). I phoned Mr. McLellan yesterday our approval of the above foundation and wall and of this box girder, the latter subject to conditions contained in this letter. Upon finding some inadequacies in this section, this morning, I phoned Mr. Wheaton, who is to care for the necessary changes of the section as now shown on Sheet 3-6. Because of the needs of the job, I will try to explain these changes, and Mr. Wheaton has agreed to see to it that the new information is conveyed to Mr. McLellan so that no further adjustments at this point may be necessary. Our field inspector has instructions to check on this feature carefully.

Paul B. McLellan Co.,
Stevens & Saunders

2

Nov 28, 1956

Used 2 "x2" welded all round

The two so-called "spacer" plates on either side of the box girder are to be two inches thick instead of 1/4 inch, at least six inches wide on the third floor side, at least three inches wide on the corridor roof side (these widths are to be upright), and each plate long enough and welded both top and bottom, both to the channel and the continuous angle as to transmit the entire load of floor and roof to the box girder without relying upon the bolts. The bolts and the pipe sleeves will actually be the "spacers" and these 2-inch thick plates will be the structural pieces relied upon entirely to deliver the loads to the box girder. This may cause some difficulty in the fireproofing which is, of course, important but of less importance compared with structural stability.

Upon looking at the section again, it is worth consideration as to whether or not the ceiling below this box girder cannot be made to provide the required 4-hour fireproofing of the box girder. All of this is an unusual way of checking plans and giving approvals. If anything in this appears not feasible, it is important that contractors and architects' representatives get together and contact me, personally, quickly.

10.51 Incinerator room and beam and floor over it (Reference Par. 5.35) (Sheets 2, revised 9/28/55 and X-4, revised 11/2/56). Note that fire door between incinerator room and basement of original hospital is to bear Underwriters' label identifying it as Class B and is to be equipped with automatic closing device (normally in the open position but capable of closing of itself without fail in case of fire in the incinerator room) or self-closing (normally closed and kept closed by a liquid door closer or other approved device). In the latter case, no doubt, an automatic liquid door closer will be needed so that the door will stand wide open while transporting refuse into the incinerator room, but in case it is left that way, would close automatically in case of fire in the incinerator room. The frame of the door is to be of structural metal or hollow metal, not metal-clad. Also note that the incinerator room is to be sprinklered.

10.52 Concrete slab and wood frame roof over oxygen platform (Reference Par. 5.32, 5.36) (Sheet S-2, Rev. 10/25/56 and X-4, Rev. 11/2/56). We are told that the pipe columns under the roof are to be 2-inch standard pipe, not 2-inch outside diameter.

Very truly yours,

WMcD/B

Warren McDonald
Inspector of Buildings

3A

November 19, 1956

BP 335 Brighton Ave.—Addition to and alterations
of Osteopathic Hospital of Maine, Inc.

Letter #9

Stevens & Saunders
187 Middle St.
Paul B. McLellan Co.
52 Marginal Way

Copy to Osteopathic Hospital of Maine, Inc.
335 Brighton Ave.

Gentlemen:-

9.47 The steel lintels over the two window openings in first story of the "stem" of the "T" addition, which are to support the second floor beams, have been erected without bearing plates and the masonry built above the lintels. Our inspector could not tell whether the hollow blocks beneath these bearings have been filled with concrete as required. It may be that the same situation has been reached and established in the similar two window openings in second story, and it appears that bearing plates will also be necessary under lintel over third floor opening to support the roof beams.

9.48 With reference to Paragraph 3.25, it seems necessary to stress the procedure for changes in plan to the end that the contractor's office, the contractor's superintendent on the job and this department may with certainty be using the same revisions whether of plans or specifications. While this department is not particularly concerned with it, the usual procedure is for the owner through his architect to authorize changes by written order or letter. Some changes are of such magnitude that contractor in each case should file application for an amendment to the original permit, indicating briefly the nature of the change and the dates of revision or of his instructions from the owner.

In some cases which have already arisen, and no doubt similar cases will arise later, while the changes are important, they are of such a detailed or even minor nature, they may be handled simply by a written order to the contractor with a copy to this office—thus avoiding unnecessary work on the part of the contractor and additional confusion in the records. The line between changes which require amendments and those which require only copies to this department of orders from owner to contractor, cannot be exactly drawn or defined. However, with all of us cooperating there should be no difficulty in this connection.

We recall the following changes from the original permit for construction of the T shaped addition only, bearing in mind that even this permit, issued on Sept. 11th, was limited to exterior masonry walls; structural steel but excluding fireproofing; floor and roof framing, slabs and under floor and under roof construction excluding penthouse; walls of elevator shaftway enclosure and adjustment of wall between present wing and new part, excluding all interior walls and partitions and ceilings, standpipe and hose system—all applying to that part of the building adjacent to the original wing and excluding all alteration of origi-

James & Sanders - 100-12
Attn: H. McLellan Co.

November 19, 1956

old building. These, then, are the changes we have discovered either authorized by approved amendment, authorized by common consent because we had copies of instructions to contractor from owner, or not yet authorized:

- Construction of oxygen platform and incinerator room in old building (amendment issued based on changes to be made in the plans as regards fireproofing of incinerator room, the work to go ahead as soon as revised plans were filed and approved without further amendment. It is believed that foundations for stack and oxygen platform have been constructed, but plans for ceiling over incinerator room have not yet been approved on account of failure to fireproof the beams supporting it since revised plans have not been received--from the contractor).
- Installation of incinerator, breeching and stack. Permit issued to apply Plibrico with letter on Nov. 2nd.
- Stiffness of masonry wall toward Prospect St. to serve as a shield for rear outside stairway. Conferences have taken place, computations furnished and finally revised plans, presumably based on conclusions reached in conferences--plans not yet checked.
- Steel framing of first floor where floor beams are to be adjusted to avoid eccentric loads on basement lintels, and bearing plates supplied under lintels. Bearing plates have been inserted, but revised plans not yet received from contractor.
- Details where new wing joins corridor construction of present wing, suitable connections and bearing to be provided for corridor floors and for roofs of corridor and of "stem" of "T". Plans from contractor not yet received, but he has been notified to avoid commitment of these details before correction.
- Architect's letter to contractor Sept. 5th seems in the nature of instructions, largely to care for our letters 1, 2 and 3. As time affords we are still checking these items.
- Architect's letters of Sept. 10th and 12th furnished 23 revised plans, some of which have been revised since and furnished by someone without accompanying letter. Most of these changes were no doubt results of our former letters, especially that involving the new enclosed stair tower and enclosed passageway on the roof. Some of these changes are evidently subjects of negotiation as to cost. We understand that those major changes are not yet authorized, and we appreciate the complications of Federal Government participation, but nevertheless understand that the owner is committed to them substantially as shown on the plans.

Where the term "plans from contractor not yet received" is used, it is realized that he must first receive revised plans and authorization from the owner.

Very truly yours,

Warren McDonald
Inspector of Buildings

WJCD/G

REC'D 11/12/56

November 6, 1956

325 Brighton Ave.—Addition to and alterations
of Osteopathic Hospital of Maine, Inc.

Letter #8

Stevens & Saunders
187 Middle St.
Paul B. McLellan Co.
52 Marginal Way

Copy to Osteopathic Hospital of Maine, Inc.
325 Brighton Ave.

Gentlemen:-

8.45 - Our field inspector has raised a question concerning the supporting of the steel deck and concrete floor of the existing corridor at first and second floors and of the existing roof over the corridor on the side toward Prospect Street; and we have not located details on the plans which clear up this question. If we have overlooked some details which explain the intention, please tell us quickly where they may be found. Otherwise, please furnish some type of revised plans developing the problem fully, the revised plans to be furnished through the contractor who should file application for amendment covering the change. The former support of these floors and roof was by an exterior bearing wall with wide window openings in it, the construction over the windows being supported by "boxed" channel lintels which were set off center of the wall. The present proposal appears to be to remove large sections of this wall at three levels, and to support the new construction and these corridor and roof slabs in question on structural steel beams supported upon columns which seem to be indicated at the center line of the wall. Our field inspector reports that already some of the steel deck has been burned off and the concrete slab removed. In these cases at least and many others (if our understanding of the plans is correct) the existing steel deck and floor and roof slab will not extend far enough toward Prospect St. to be supported on the new steel. Section E-E on 3-6 seems to indicate the existing roof slab to be supported on new third floor steel on angles which are to get their support in some manner through the fireproofing to a box girder. The new third floor is indicated to be supported in a similar manner.

Please indicate where on the plans we can find more detail of this unusual manner by the offset method; or give us additional details justifying this method.

Section T-T on 3-5 shows the corridor floor to be supported on a 4x4 angle projecting out only four inches from the center line of the new columns. Does the decking and slab extend far enough toward Prospect St. to be satisfactorily picked-up for the 10-inch I at the end of the new corridor on the center line

Stevens & Saunders - - - - 2
Paul H. McLellan Co.

November 6, 1956

of the columns? If so, is this not even a worse condition?
Similar questions arise on S-4.

8.46 - It is important that we get a reply quickly since the job is progressing to such an extent that some of these locations are already involved and more will be soon. We are not sure enough of our understanding of information to do anything like stopping part of the work. However, we shall expect the contractor to delay these details long enough so that there will be complete freedom in finding a solution on the part of the designers if, indeed, it is a problem. It may be that you have thought of these as a normal problem to be cared for in the field. We do not accept it in that light. Certainly it is a situation which could have been foreseen before the job was started and the details worked out, if indeed, it has not been and shown somewhere on the plans.

May we hear from you in this connection before November 12th?

Very truly yours,

Warren McDonald
Inspector of Buildings

WMD/G

November 7, 1956

BP 335 Brighton Ave.—Addition to and alterations
of Osteopathic Hospital of Maine, Inc.

Stevens & Saunders
187 Middle St.
Paul B. McEillean Co,
52 Marginal Way

Copy to Osteopathic Hospital
of Maine, Inc.
335 Brighton Ave.

Gentlemen:-

On your copy of our Letter #8, dated November 6th, please
change the paragraph numbers to 8.45 and 8.46.

Very truly yours,

Warren McDonald
Inspector of Buildings

WMcD/G

WHD 10/25/56

October 19, 1956

335 Brighton Ave.—Addition to and alterations of Osteopathic Hospital of
Maine—Letter No. 6—Structural steel connections and welding
design

Stevens & Saunders
187 Middle St.

Copy to Paul E. McLellan Co.,
52 Marginal Way
Osteopathic Hospital of Maine, Inc.
335 Brighton Ave.

Gentlemen:

6.40 Our field inspector has raised a question concerning the somewhat unusual method of supporting steel floor beams in the "stem" of the "T" shaped addition, upon the double channel lintels and a similar condition where the floor beams of that part of the addition adjoining the present building ^{would be supported} on similar existing lintels. The arrangement whereby the floor beams are "batted" against the web of one channel and connected to the channel by a weld on each side of the web raises some important questions as to its adequacy in a number of particulars. You, no doubt, have all of the figures supporting this design at hand; so, will you be good enough to furnish them before October 25 because if there should be features in non-compliance with the Building Code, it should be determined and the remedy sought quickly.

6.41 Though there is at least one separator between the two channels of the lintel, please give the assurance in figures that the reaction of the floor beams will be delivered to the channel which is farther from that reaction.

6.42 Please support by computations that the equilibrium of the lintel will be maintained under the circumstances where the rather large reaction of the floor beam will be delivered at the inner face of the channel lintel apparently with only the weight of the wall, which is largely concentric on the axis of the lintel, to offset this eccentricity.

6.43 Please show what the bearing in pounds per square inch the load delivered by the bearing of the lintel upon the concrete block wall, and give us the assurance that the cinder blocks under the bearing have been filled solid with concrete, bearing in mind that the bearing capacity of the wall is limited by Section 308b1 of the Code to 80 pounds per square inch over the gross area of the block if cement mortar is used and 70 pounds per square inch if combination mortar is used, and in either case this figure may be increased by 25 percent but only if the hollow masonry is filled solid. In working this out you will, no doubt, bear in mind that the nearer the reaction of the floor beam is to one bearing of the lintel, the greater the bearing stress on the masonry.

6.44 Please advise who was the designer of the welded joints in the building, and let us have his statement of design specifically covering that feature.

Very truly yours,

WHD/B

Warren McDonald, Inspector of Buildings

344B

October 5, 1956

EP 335 Brighton Ave.—Addition and alterations—Letter No. 4

Stevens & Saunders
187 Middle St.
Paul B. McLellan & Co.
52 Marginal Way

Copy to Osteopathic Hospital of Maine, Inc.
335 Brighton Ave.

Gentlemen:

4.31 With reference to our item 2.17 of July 20 concerning the lateral support of the brick wall in the rear and intended as a shield and support for the rear fire escape, Mr. Wheaton's investigation of September 7 considers only the overturning possibility which has not been questioned. In his letter of September 7 he says "See revised sheet No. 24", but the only Sheet 24 which we have bears the original date of April 9 and was received here on June 8.

As to the lateral stiffness of the wall, our attention has been called to the fact that the landings of the stairway at its several levels afford sufficient stiffness for the wall. This can hardly be accepted in the light of not only our own Code but most other Codes, including the recommended requirements for stiffness of masonry walls of the American Standards Association.

Your attention is called to the fact that these landings are not only at "staggered" levels, but they leave a width of wall of about six feet without lateral tie or bracing from foundation to roof. This width of wall may be likened to a vertical masonry slab on a span of more than 30 feet. Recognizing the general practice of not attributing any tensile strength to unreinforced brick masonry in flexure, it is obvious that additional steps must be taken to insure adequate stiffness, even though you cannot comply in this unusual case with the usual requirement of continuous lateral supports at intervals not exceeding 18 times the wall thickness. No doubt the contractor would like to avoid the additional handling of constructing the foundation in bad weather; so, will you be good enough to let us have a solution of the problem before October 18?

Very truly yours,

Warren McDonald
Inspector of Buildings

WHCD/B

9 B

September 10, 1956

AP 335 Brighton Ave.--Stairway enclosures in connection with addition to and alterations of the Osteopathic Hospital

Mr. Gerald M. Kelley
Admr. Osteopathic Hospital
335 Brighton Ave.

Copy to Stevens & Saunders
187 Middle St.

Dear Mr. Kelley,

This letter is at your request to assist you in making clear to your Board the correct situation as regards the means of egress from the enlarged hospital--a situation which has prevented us from issuing the general construction permit and, therefore, threatens delay in construction of the superstructure above the foundations nearing completion.

Since 1941 Sections 209e5 and 212e5.8, briefed and taken together as relating to hospitals, have stipulated that all stairways counted as a required means of egress shall be enclosed by fire-resistive walls or partitions with self-closing fire doors at each opening in the enclosure to protect persons using the stairways for safe egress from the building without exposure to other parts of the building from that part of the stairway most remote from the exit door at the ground level to the outside exit door at that level. There is an exception that some of these enclosed stairways need merely discharge through a fire door into a public corridor on first or street floor if the corridor leads directly to exit doors leading directly out-of-doors; but this exception makes clear that at least one of the enclosed stairways must open directly out-of-doors.

Thus, you will see the reason for trying to arrange an exterior exit door near the ground level for the new enclosed stairway which you are considering--this because the inside stairway from third floor to second floor of the new part and the stairway from second floor to first of the rebuilt part of the original wood frame hospital do not comply with the requirements for enclosure.

Sometimes in situations somewhat similar to this, the parties concerned have leaned toward adverse criticism of the Building Code enacted by our City Council, claiming that the Code is too idealistic, too restrictive, and does not reflect the best practice used elsewhere.

The best known authority on means of egress from buildings is the Building Exits Code of National Fire Protection Association, approved by American Standards Association. This authority is more severe than the Portland Code in that it does not allow outside stairs or fire escape to be counted as required means of egress from new buildings. It further provides that all stairways shall be enclosed in standard fire-resistive shafts, including all landings, so that once inside the enclosure persons may go from any part of the stairway to the outside exit without leaving the enclosure.

At our conference on Friday you and Messrs. Saunders and Stevens seemed

Herald M. Kelley

2

September 10, 1956

to agree that it is not possible to provide an exterior exit door from the proposed new stairway enclosure which would lead directly to the ground or to the new terrace near the ground level, which is shown on the plans. Believing that to be the situation, and more or less dismayed at the thought of delaying the construction of the hospital, I conceded that we would accept the lowest exit door from the enclosure opening into the corridor, thence to lead to the entrance doorway of the portion of original hospital to be rebuilt.

When the original plans of the present wing were produced, Mr. Stevens noted that the existing outside stairs, which seemed to represent a part of the problem, are shown in a different location on the new plans than on the original plans. In driving by the hospital on Friday afternoon, it appeared to me that the original plans were correct, and I am still clinging to the hope that some way may be found of providing an exterior exit door to the open air from the bottom of this proposed stairway enclosure.

I feel sure you will be fair enough, if the question comes up, to clear this department of blame for the delay since early in July when this situation first came to light.

Very truly yours,

Warren McDonald
Inspector of Buildings

WMCD/B

113

August 31, 1956

Harry W. Marr, Chief of the Fire Department

Warren McDonald, Inspector of Buildings

Electric current for operating rooms and alarm systems in connection with addition to and alterations of the Osteopathic Hospital at 335 Brighton Ave.

Section 20918 of the Building Code provides that the hospital (presumably already equipped with private fire alarm system satisfactory to you) including the addition is to have a private fire alarm system adequate for each situation as determined by the Chief of the Fire Department.

Section 20913 provides for an emergency source of electric current for lighting operating rooms for surgery with automatic change over in case of failure of the normal current; and also makes provision for alternate power supply for corridor and means of egress lighting in hospitals to be approved by the Board of Fire Engineers.

The foundation of the hospital addition is already underway under an advanced permit, but we have not been able to issue the general construction permit because of deficiencies in the plans and lack of compliance with Building Code requirements.

On July 10 I wrote to architect, contractor and owner and among other items, notified them about these fire alarm and power supply arrangements. They were told that this department would ask the Electrical Department to pass on the matter of emergency source of electrical current for operating rooms, and it was suggested that the architects contact the Fire Chief with regard to the fire alarm, and, as head of the Electrical Division, with regard to the alternate supply for corridor and emergency exit lighting.

It is not known whether or not the architects have consulted you about these matters. As regards the matter of emergency source of electrical current for the operating rooms, we have plans received from the contractor when he applied for the permit, including the electrical plans, and will be glad to place them at your disposal or that of your electrical man anytime you desire, if you will notify us.

Inspector of Buildings

WACD/E

Copy to Stevens & Saunders

AL

July 10, 1936

AP 335 Brighton Ave. - Addition to and alterations of the Osteopathic Hospital
Letter # 1

Stevens & Saunders
187 Middle St.
Paul E. McLellan Co.,
52 Marginal Way

Copy to Osteopathic Hospital of Maine, Inc.
335 Brighton Ave.

Gentlemen:

Upon examination of plans and specifications of the above job against the Building Code, the following discrepancies appear or questions arise. It seems best to communicate these to you piecemeal as the checking job progresses, and this will be done by a series of numbered letters, the pertinent paragraphs being also numbered continuously throughout the series of letters, the initial figure in each number representing the number of the letter--this for the reference. Unless otherwise indicated the section references are to those of the Building Code. With a job as complex as this one, we will probably make mistakes in interpreting plans and specifications, and also fail to see some items which are made clear either on plans or in specifications. Correction or criticism of such mistakes as quickly as possible will be appreciated. Advance permit for excavation only has already been issued. When general construction permit is issued we will enumerate the plans with revised dates and specifications and addendum thereto upon which the general construction permit is issued. When the permit is issued it will be on the basis of a certificate of occupancy to be secured from this department for the addition and altered parts before occupancy by patients.

- 1.1 We have been informed that the alterations of original wooden frame building are to be inclusive; that the alteration contemplating the use of No. 5 fuel oil has been authorized; and that all work in connection with the incinerator and its stack has been included.
- 1.2 Section 104b3. We do not have the architect's statement of design. When furnished it should include responsibility for design of or check of design of welded joints in the steel work. We shall be appreciative if the architects will furnish a new print of Sheet 3-1 with their statement of design attached to it.
- 1.3 Section 709c2. The new work is required to be of first class construction throughout, which means that combustible materials are permitted only as allowed in Section 302a1. On the basis of these allowances and also Section 314e the use of "Cemento" panels and wood roof sheathing of the penthouse are not allowable.
- 1.4 It appears that wood plank curbs are indicated around the various openings in the roof. These will only be acceptable if completely enclosed in metal.



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, Aug 28, 1956

PERMIT ISSUED 01446

SEP 7 1956

CITY OF PORTLAND

A-NFC

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

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

Location 335 Washington Ave. of Building Hospital No. Stories Existing New Building
Name and address of owner of appliance Hospital
Installer's name and address Tauld Ironworks 70 Pine St Telephone 3-8727

General Description of Work

Three oil burners in steam boilers

IF HEATER, OR POWER BOILER

BASE TO FIRE DEPT 8/31/56
EXCISE TAX FIRE DEPT 9/5/56

Location of appliance Any burnable material in floor surface or beneath?
If so, how protected? Kind of fuel?
Minimum distance to burnable material, from top of appliance or casing top of furnace
From top of smoke pipe From front of appliance From sides or back of appliance
Size of chimney flue Other connections to same flue
If gas fired, how vented? Rated maximum demand per hour
Will sufficient fresh air be supplied to the appliance to insure proper and safe combustion?

IF OIL BURNER

Name and type of burner One Palo P45E Two Petro WCAFH Labeled by underwriters' laboratories? Yes
Will operator be always in attendance? Yes Does oil supply line feed from top or bottom of tank? Top
Type of floor beneath burner Concrete Size of vent pipe 2"
Location of oil storage Under ground Number and capacity of tanks 1 5000 gal
Low water shut off Yes to be supplied by others No. McDonnell-Willer 150
Will all tanks be more than five feet from any flame? How many tanks enclosed?
Total capacity of any existing storage tanks for furnace burners

IF COOKING APPLIANCE

Location of appliance Any burnable material in floor surface or beneath?
If so, how protected? Height of Legs, if any
Skirting at bottom of appliance? Distance to combustible material from top of appliance?
From front of appliance From sides and back From top of smokepipe
Size of chimney flue Other connections to same flue
Is hood to be provided? If so, how vented? Forced or gravity?
If gas fired, how vented? Rated maximum demand per hour

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

MR. ALLEN SAYS TANK IS TO BEAR UND. LABEL & THAT THESE BURNERS ARE TO BE INSTALLED IN THREE NEW BOILERS WHICH ARE TO REPLACE THREE EXISTING ONES

Amount of fee enclosed? 3.00 (\$2.00 for one heater, etc., 50 cents additional for each additional heater, etc., in same building at same time.)

APPROVED: 08-9/7/56
Mary H. Moore
CHIEF OF FIRE DEPT.

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

Signature of Installer

CF-254-1M MARKS

INSPECTION COPY

(RAA) RESIDENCE ZONE - A8

APPLICATION FOR PERMIT

Class of Building or Type of Structure Foundation
Portland, Maine, July 16, 1956

ISSUED
CITY OF PORTLAND
JUL 20 1956

INSPECTOR OF BUILDINGS, PORTLAND, MAINE

I, undersigned hereby applies for a permit to ~~erect~~ erect ~~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:~~

Within Fire Limits? no Dist. No. _____
335 Brighton Ave. Telephone _____
name and address Osteopathic Hospital of Maine, 335 Brighton Ave. Telephone _____
name and address _____ Telephone _____
contractor's name and address Paul B. McLellan Co., 52 Marginal Way Telephone 2-2951
Project _____ Specifications _____ Plans no No. of sheets _____
Proposed use of building hospital No. families _____
Actual use _____ " _____ No. families _____
Material brick No. stories 2 Heat _____ Sty : of roof _____ Roofing _____
Other buildings on same lot _____ Fee \$ 1.00
Estimated cost \$ _____

General Description of New Work:

To construct foundation only for proposed 2-story masonry addition as per plans filed with superstructure.

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** Paul B. McLellan Co.

Details of New Work

Is any plumbing involved in this work? _____ Is any electrical work involved in this work? _____
Is connection to be made to public sewer? _____ If not, what is proposed for sewer? _____
Has septic tank notice been sent? _____ Form notice sent? _____
Height average grade to top of plate _____ Height average grade to highest point of roof _____
Size, front _____ depth _____ No. stories _____ solid or filled land? _____ earth or rock? _____
Material of foundation _____ Thickness, top _____ bottom _____ cellar _____
Material of underpinning _____ Height _____ Thickness _____
Kind of roof _____ Rise per foot _____ Roof covering _____
No. of chimneys _____ Material of chimneys _____ of lining _____ Kind of heat _____ fuel _____
Framing lumber—Kind _____ Dressed or full size? _____
Corner posts _____ Sills _____ 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

APPROVED:

Osteopathic Hospital of Maine
Paul B. McLellan Co.

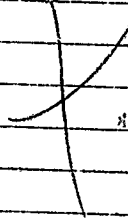
Signature of owner by: Paul B. McLellan

INSPECTION COPY

12 - 11115 - 11507 10

NOTES

9-10-56 Foundation
 Completed Forms
 for Elev. well going
 up. Some floor
 steel & 2 slabs ready
 9-17-56. Completed
 except rear wall
 completed



36106

Location: 345 1/2 ...

Owner: ...

Date of permit: 7/20/56

Notif. closing-in

Inspn. closing-in

Final Notif.

Final Inspn.

Cert. of Occupancy Issued

Staking Out Notice

Form Check Notice

INSPECTOR