

**FILE 710**

**BUILDING COMMITTEE : OLD  
MEDICAL BLDG. & NEW BIOLOGICAL  
BLDG.**

**1921 - 1922**

**DOCKET STARTS:**

E. G. M. Cape,  
President.

29  
T. A. Somerville,  
Vice-President.

P. G. Wilmut,  
Secretary-Treasurer.

Governors Meeting  
E. G. M. Cape and Company  
Engineers & Contractors

Cablegrams.  
"Capecon" Montreal.

Codes:  
A. B. C. 5th Edition  
Western Union.

New Birks Building,  
Phillips Square,

Montreal, August 24th, 1922.

Biological Bldg.

In Reply, Please Refer to

Sir Arthur Currie, K.C.M.G.  
Principal,  
McGill University,  
MONTREAL.

Dear Sir Arthur:-

Following our Meeting of yesterday in which a statement of the final figures of the cost of your New Medical Building was exhibited, I am sending you herewith a summary of that statement as follows:-

Original Upset Price .....	398,430.00
do Plumbing & Heating .....	66,927.00
do Electrical work .....	9,712.00
do Elevators .....	5,747.70
Extras re Building .....	18,790.57
Extras in connection with Equipment	<u>41,192.25</u>

TOTAL UPSET PRICE 540,799.52

Bills rendered to July 31st.....	499,779.00	
Bills yet to render, approx. ...	<u>3,500.00</u>	<u>503,279.00</u>

APPROXIMATE SAVING \$ 37,520.52

On this statement you will see that the total saving has been approximately \$37,500.00. You will

Sir Arthur Currie, K.C.M.G.

see moreover that the total extras on the building have amounted to less than \$19,000.00 in spite of the fact that difficult rock excavation was encountered.

Yours truly,

E.G.M. CAPE & COMPANY



EGMC/KM

**DOCKET ENDS:**

**DOCKET STARTS:**

E. G. M. Cape,  
President.

29  
T. A. Somerville,  
Vice-President.

P. G. Wilmot,  
Secretary-Treasurer.

E. G. M. Cape and Company  
Engineers & Contractors

Cablegrams  
"Capecon" Montreal.

Codes:  
A. B. C. 5<sup>th</sup> Edition  
Western Union.

New Birks Building,  
Phillips Square,

Montreal, April 27th. 1922

P.F.

In Reply Please Refer to

McGill Medical Building,

General Sir Arthur Currie, K.C.B. K.C. M.G.  
Principal, McGill University,  
MONTREAL.

Wid.  
May 3 1922

Dear Sir Arthur:

Under our original contract for the construction of the additions to the Medical building, which called for certain work to be done in accordance with plans and specifications of Messrs. Ross & Macdonald, architects - we undertook to complete this work by the 29th. of April 1922.

The original contract has, as you know, been considerably changed and added to; the most recent addition to our contract being for various alterations and additions to fittings, amounting to \$24,561.00 This order was given to us verbally on 22nd. of April.

In spite of the various material changes which have been ordered, the building is now practically complete - but it will take some little time yet to clean up the work owing to the various recent extras.

General Sir Arthur Currie, K.C.B. K.C.M.G. Apl. 27th. 1922

In order that this may be clearly established to your satisfaction, and so that there may not be any question as to our work not being completed on time - we would appreciate an inspection of the building by you, or your representative, together with the architects and ourselves. Will you be kind enough to let us know if this meets with your views, and appoint such time for the inspection as may suit your convenience?

Yours very truly,

E.G.M. CAPE & COMPANY



EGMC/M



**DOCKET ENDS:**

**DOCKET STARTS:**

McGILL UNIVERSITYBiological Building

Minutes of a Meeting of the Committee appointed to consider the alterations required to the old Medical Building to render the same fit for all the requirements of Bio-Chemistry, Physiology, Zoology, Botany, etc., held at the office of Dr. Martin on Wednesday the 2nd day of February 1921 at the hour of five o'clock in the afternoon.

Present - all the members of the Committee.

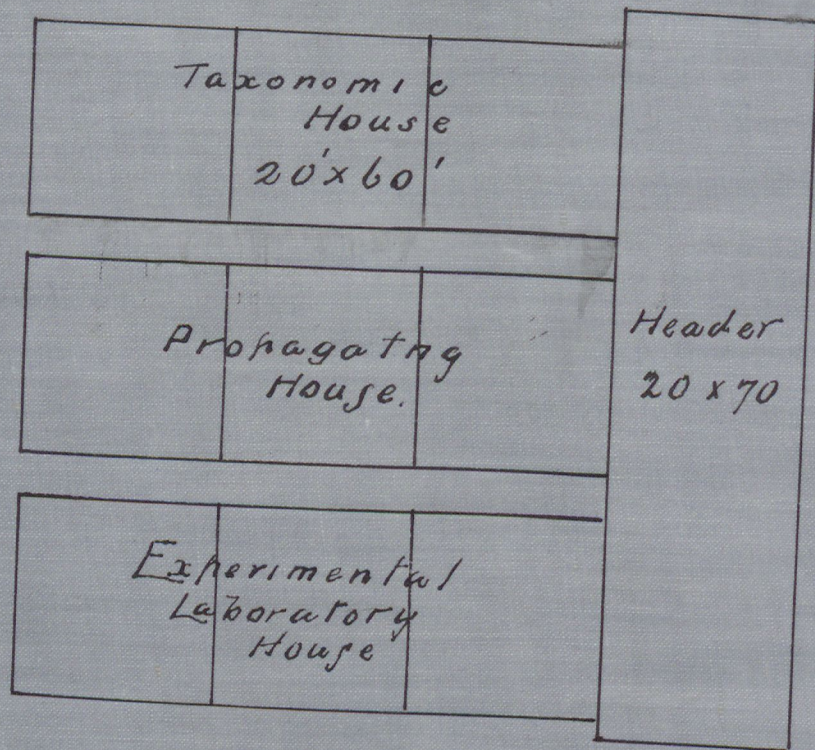
After full discussion it was decided that it would be advisable to add Doctors McCallum, Willey and Lloyd to the Committee, they being the Professors who are most directly connected with the various branches of the work to be carried on in the Building after the same has been remodelled.

It was further decided that Doctor Tait and the new members of the Committee should at once proceed with the preparation of a preliminary sketch embodying their views of the alterations and extensions required in order that the same may be in readiness for consideration of the architects who will have supervision of the work as soon as such architects have been selected.

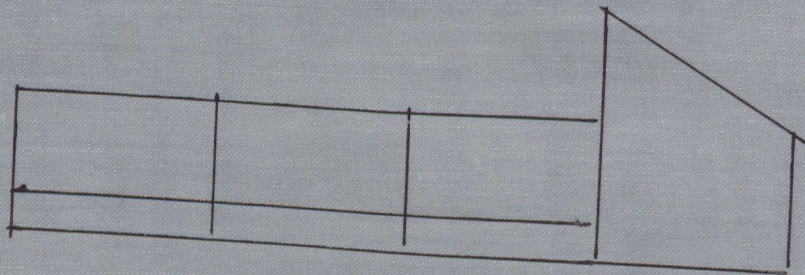
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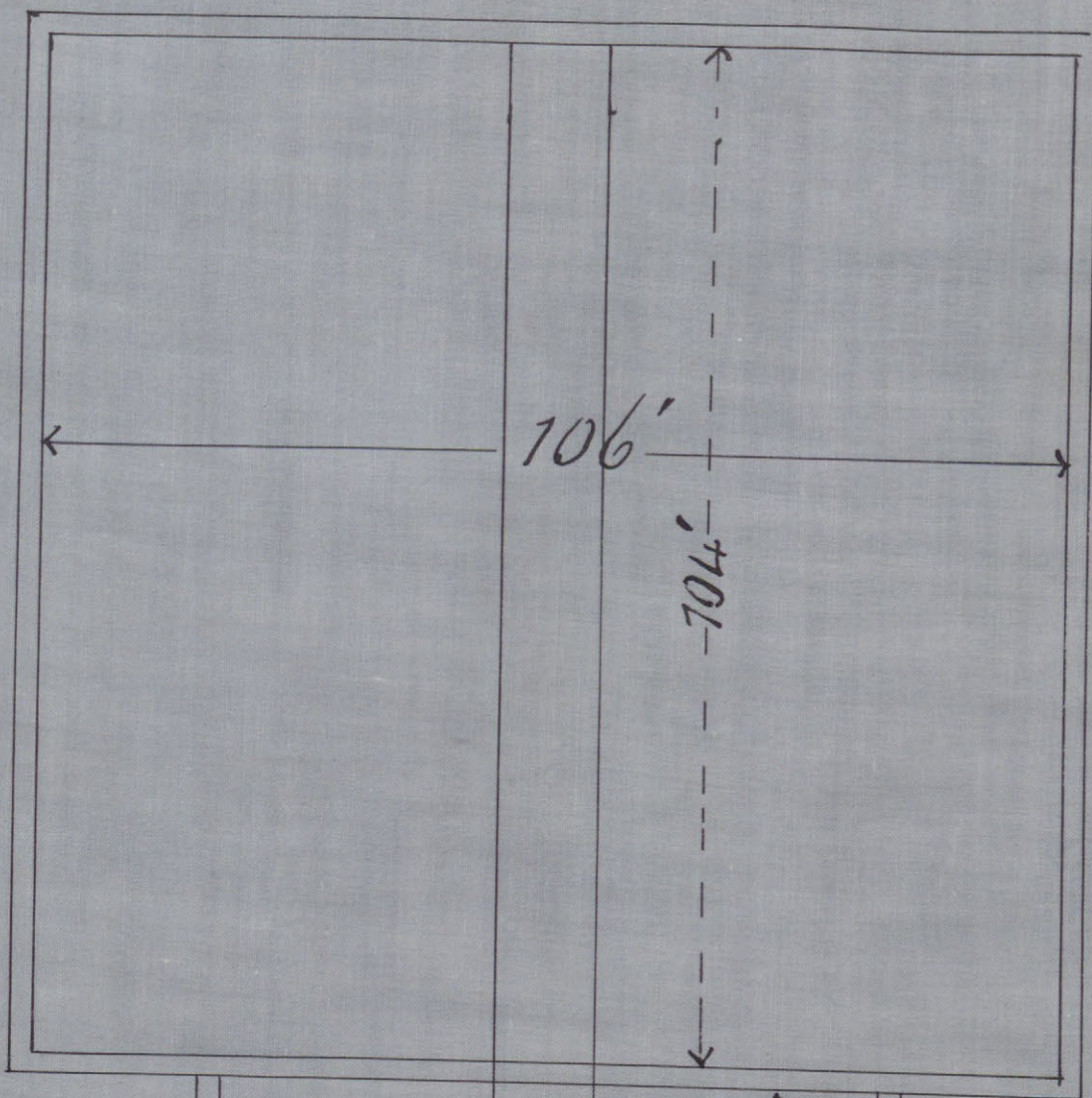
It was further considered desirable that two members of the Committee with the architect should visit two or three of the most modern Pathological Buildings connected with American Universities, such as Harvard, Chicago Medical School, etc. with a view to adopting the best and most up-to-date features to be found in the Pathological Buildings of such Universities.

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Glass Houses  
 Dept. Botany.





Two lecture rooms  
to be retained

Old Medical  
Bldg.

Proposed addition.

11 units per floor  
(excluding corridors  
etc.)

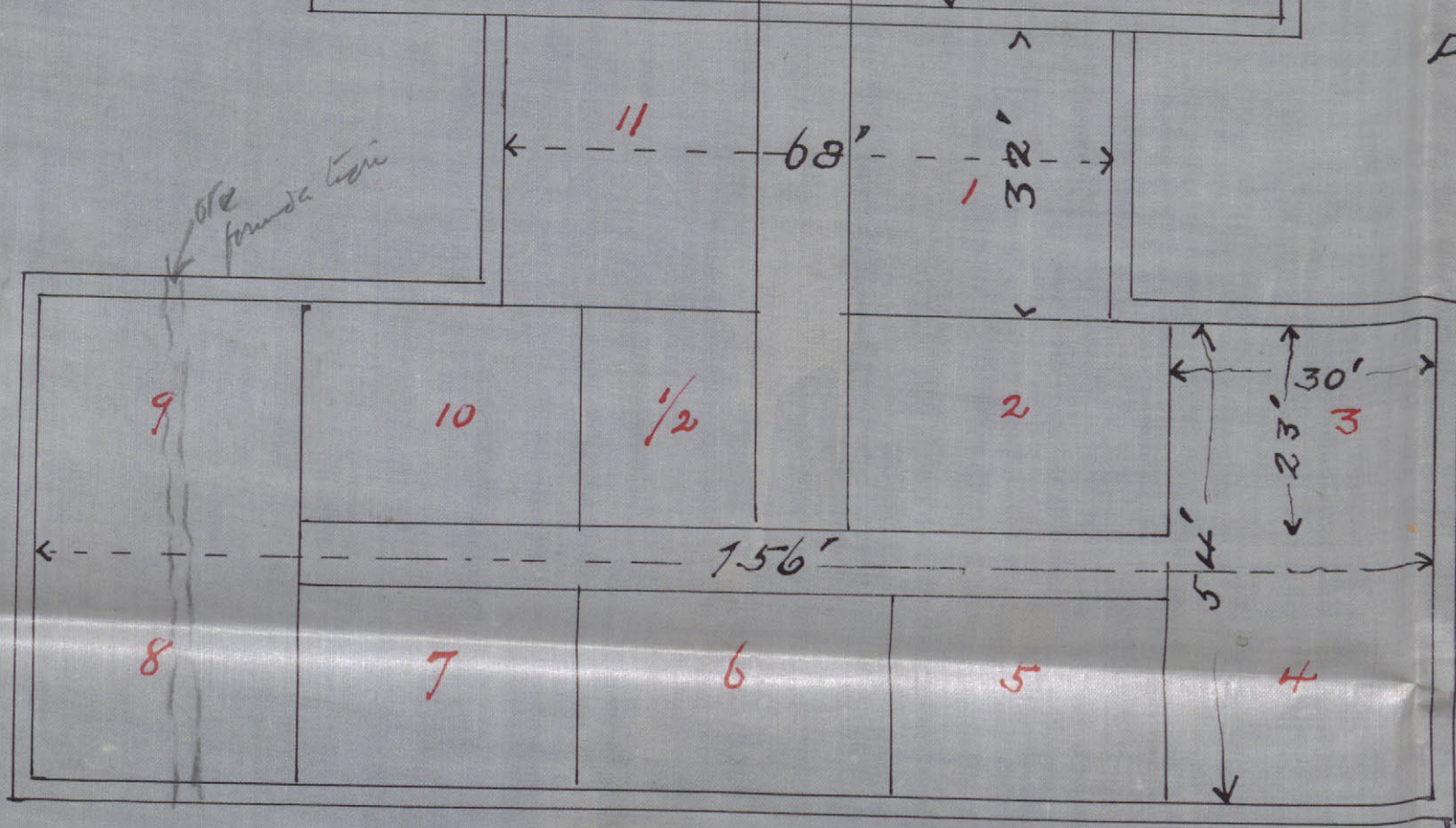
Total area ea. floor  
10,600 sq ft.

Total area 53,000 "

x 12 = cubical space

or 636,000 =

4 flats, roof and  
basement.



**DOCKET ENDS:**

McGILL UNIVERSITY  
MONTREAL.

PHYSIOLOGICAL LABORATORY.

17<sup>th</sup> February, 1921

Sir Arthur W. Currie, G.C.M.G., K.C.B., LL.D.  
Principal, McGill University.

Dear Sir,

As Convener of a special Sub-Committee, appointed by the Committee on Erection of a Biological Building, for the purpose of drafting details for the consideration of the architect I beg respectfully to present the accompanying report.

Yours faithfully,  
John Fair.



REPORT OF SPECIAL SUB-COMMITTEE, CONSISTING OF PROFESSORS  
WILLEY, LLOYD, MACALLUM AND TAIT, ON BIOLOGICAL BUILDING.

As the outcome of a number of meetings held for the purpose of drawing up details for the consideration of the architect your Sub-committee begs to submit the following report.

1. It is proposed to accommodate the departments of Physiology, Biochemistry, Botany including General Physiology, and Zoology by utilising the existing Old Medical Building, subject to certain internal rearrangements, and by erecting in structural connexion with it and on its southern aspect an additional four-storey structure. The greenhouses can be placed on a separate site to the north of the Old Medical Building.

2. The accommodation required by the individual departments is as follows:-

Physiology	27 units,
Biochemistry	20 units,
Botany	14 units, exclusive of greenh's,
Zoology	14 units.

By a "unit" is implied an area of 23 by 30 feet, i.e. 690 square feet, exclusive of corridors, for which additional space must be reckoned. A unit of this area and as far as may be of the above shape gives accommodation to 24 students working at a time.

3. Two lecture theatres, each accommodating about 300 students, can serve the four departments. In the Old Medical Building there is already room for two such theatres.

4. The alterations to the Old Medical Building should include the provision of additional precautions against fire, installation of hot-water heating, strengthening of part of the top floor, redecorating and re-roofing.

5. The new four-storey structure should be made of steel and concrete, with three-fifths window space.

Tentative sketches by Prof. Lloyd accompany this report.

*John Tait*  
(Convener)

14<sup>th</sup> February, 1921.

**DOCKET STARTS:**

Feb. 14th, 1921

REPORT OF EDUCATION COMMITTEE TO FACULTY

-----oOo-----

The remit from the Faculty to the Education Committee arose out of the discussion of the relative urgency of proceeding with the erection of the Biological Building or the Institute of Pathology and is as follows:

"Some discussion took place on the relative importance of proceeding with the construction of the Biological Building or the Institute of Pathology. The matter was finally referred to the Education Committee for report at a special meeting of the Faculty to be called at the earliest possible date."

For the purpose of this report the term Biological Building is to be taken to mean the Old Medical Building with certain changes and additions to accommodate the Departments of Physiology, Biochemistry and Biology (Zoology and Botany), and the Pathological Institute to mean, a building to accommodate the departments of Pathology and Bacteriology, Hygiene and Sanitary Science and Medical Jurisprudence.

Your Committee would first point out:-

- (1) That the Biological Building planned to accommodate the departments mentioned above, has been estimated to cost approximately \$500,000,
- (2) That the Institute of Pathology has been estimated to cost approximately \$400,000.

A. The Question of Urgency:

(1) There is great urgency for proceeding at once with the Biological Building for the following ~~reasons~~ reasons:- (a) The necessity ~~for~~ immediately remodelling and improving the departments of Physiology and Bio-chemistry; (b) the necessity ~~of~~ providing suitable quarters for Biology and General Physiology, and (c) the

necessity for providing adequate quarters for Zoology.

(2) There is no special urgency for the building of the larger Pathological Institute, including the departments of Hygiene and Medical Jurisprudence, but the present unsatisfactory condition of the quarters at the disposal of the department of Pathology and Bacteriology require immediate relief.

B. Construction:

Your Committee would point out that the estimates - \$500,000 for the Biological Building, and \$400,000 for the Pathological Institute, are based on the most expensive type of construction, namely, of solid stone similar to the other buildings in the University grounds; whereas, by using steel and concrete the cost would be reduced to approximately one half these original estimates. The Biological Building could be constructed for approximately \$300,000 and the Building to house the department of Pathology and bacteriology, at approximately \$150,000

Your Committee would here state that it is unanimously in favour of the cheaper plan of construction.

To sum up, your Committee would ~~xxxxxx~~ report that as between the Biological Building and the building to house the department of Pathology and Bacteriology, it is impossible to state which is the more urgent.

In the interests of teaching and research in all departments concerned, both buildings are of extreme urgency.

It is therefore recommended that both buildings be proceeded with as soon as possible, and that both be constructed of steel and concrete at a cost not much, if any, in excess of the original estimate for the Biological Building.

**DOCKET ENDS:**

29

*Brown, Montgomery & McMichael*  
*Advocates, Barristers &c.*

*Call Address "Fonhall"*

*Dominion Express Building*

ALBERT J. BROWN, K.C.  
ROBERT C. MC MICHAEL, K.C.  
RENNIE O. MC MURTRY.  
GEORGE P. VANIER.  
FRANK B. COMMON.

GEORGE H. MONTGOMERY, K.C.  
WARWICK F. CHIPMAN, K.C.  
WALTER R. L. SHANKS.  
GERALD A. COUGHLIN.  
LINTON H. BALLANTYNE.

*Montreal* 17th February 1921.

*File*

Sir Arthur Currie,  
Principal McGill University,  
M o n t r e a l.

Dear Sir Arthur,

re Old Medical Building

I have redrafted and herewith enclose proposed agreement with Ross & Macdonald relative to the alterations and extensions to the old Medical Building which I understand you will discuss with Mr. Beatty tomorrow.

As soon as this agreement has been executed will you either advise the members of my Committee that they are at liberty to commence their discussion of plans with the architects, or if you prefer that I should do so please let me know.

Mr. Beatty should make it clear to the architects when the agreement is signed that it is subject to confirmation by the Board of Governors at their next meeting.

Yours truly,

Enc.

29

February  
Ninth  
1921.

A. J. Brown, Esq.,  
C/o. Messrs. Brown, Montgomery & McMichael,  
Montreal.

Dear Mr. Brown:-

OLD MEDICAL BUILDING

I beg to acknowledge receipt  
of your letter of February 7th enclosing copy  
of letter written by you to Mr. Beatty.

I have placed this on file and  
thank you very much for your thoughtfulness.

Yours faithfully,

Principal.

DOCKET STARTS:



29.

*Brown, Montgomery & McMichael*  
*Advocates, Barristers &c.*

*Cable Address "Jonhall"*

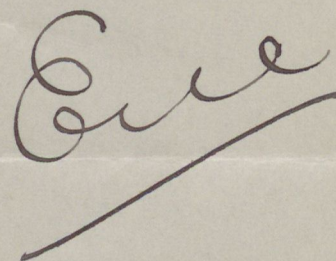
*Dominion Express Building*

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WARWICK F. CHIPMAN, K.C.  
WALTER R. L. SHANKS.  
GERALD A. COUGHLIN.  
LINTON H. BALLANTYNE

*Montreal*

7th February 1921.



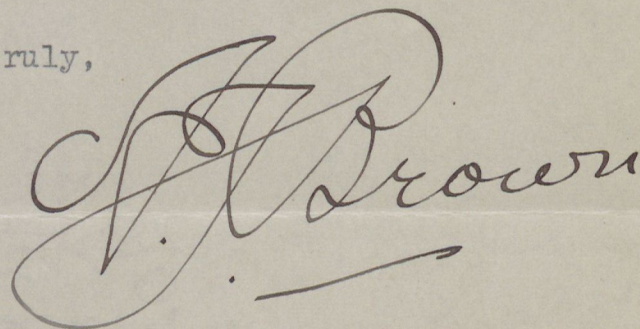
Sir Arthur Currie,  
Principal,  
McGill University,  
MONTREAL.

Dear Sir Arthur,

OLD MEDICAL BUILDING

In order that your files may be as complete as possible I enclose herewith copy of letter I have to-day addressed to Mr Beatty,

Yours truly,



Encl.

7th February 1921.

E. W. Beatty, Esq.,  
President,  
Canadian Pacific Railway,  
MONTREAL.

Dear Mr Beatty,

McGILL BUILDINGS

Yours of to-day enclosing Ross & McDonald 's letter of the 31st ultimo, draft agreement submitted by them and revised draft prepared by your Solicitor duly received, all of which documents I now return herewith.

On careful reading of the agreements I must say that I prefer the form prepared by your Solicitor to that submitted by Messrs Ross & McDonald. The Medical Building however should be referred to as the "Old Medical Building" to distinguish it from the new Medical Building which requires no alterations or extensions at the present time.

You might perhaps consider whether it would be advisable to embody in the agreement a clause giving the Committee the right to appoint a Superintendent of Construction. I see by Ross & McDonald's letter it is suggested that Mr Lawrence might act in this capacity. It will probably be unwise to mention the name of the Superintendent in the agreement as Mr Lawrence might sever his connection with the University or the Committee might find it desirable to appoint someone else. In this connection however I would like to point out that there is some danger if we appoint a Superintendent of Construction of relieving the architects and builders of their responsibility under the provisions of Article 1688 of the Civil Code, particularly if the Superintendent so appointed is an Engineer or has special knowledge or skill in the work which is being carried on. If such a clause is embodied in the agreement it should contain a special provision that such appointment will in no way relieve the architects and builders of their responsibility under the

provisions

E.W.Beatty, Esq.

provisions of the Civil Code.

As Messrs Ross & McDonald state that the charges they have mentioned are the minimum in the scale set out in the Charter of the P.Q. Association of Architects, I think it is unlikely that you would be able to obtain more favourable terms, particularly as they assume responsibility for Mr Nobbs' fees if he is associated with them.

As the alterations to the Arts Building and the extension to the Library are not to be commenced until the Spring of 1922 there will be ample time for the preparation of the plans for these buildings but the urgency is in respect to the plans for the alterations and extension to the old Medical Building on which the work is to be commenced this coming Spring and I am particularly anxious to get Messrs Ross & McDonald into touch with Professors Tait, McCallum, Willey and Lloyd as soon as possible, for the reason that Professor McCallum, who is perhaps the most directly interested of any of the McGill staff, is leaving next month to be absent I understand for one year and he should have an opportunity of discussing the plans with the architects before he goes.

In the meantime these four Professors are, I understand, themselves preparing a rough sketch of what they think is required.

Could you arrange to have a meeting of the General Committee within the next two or three days to finally approve of the arrangement with Ross & McDonald unless it is necessary to submit the matter to the full Board of Governors before the agreement is signed, in which event I think a special meeting of the Governors should be called to give their approval as soon as you have reached definite terms with Ross & McDonald.

I hope you will not think I am pressing this matter unduly but as Chairman of the Committee appointed to deal with the Old Medical Building I feel that I am responsible for the getting out of the plans as soon as possible in order that the commencement of the building operations may not be delayed.

Encls.

Yours sincerely,

" A.J.BROWN "

P.S.

8th February 1921.

E.W.Beatty, Esq.,

P.S. Since writing the above I have had the enclosed documents examined by Mr Davenport, the Architect who has supervision of all the Royal Bank Buildings and he has suggested that it might be advisable to define to some extent the powers of the clerk of the works for the reason that there might be times when the contractor would be found doing something which should be immediately stopped and which might involve delay and unnecessary expense if the matter had to be referred to the architects for their intervention.

Referring to paragraph 8 relating to heating, ventilating, mechanical, electrical or sanitary problems, some provision should be made as a result of which the architects would not receive their full percentage of fees on the cost of this work if it is laid out and supervised by others, who would of course have to be paid for their services.

**DOCKET ENDS:**

Faculty of Medicine, McGill University,  
Registrar's Office,

Montreal, January 24th, 1921

Sir Arthur Currie,  
Principal, McGill University.

Dear Sir Arthur,

In reply to yours of the 20th inst. I beg to say  
that I shall be only too glad to act on the special Old Medical  
Building Committee.

yours sincerely,

*Geo. W. Seane*

Assistant Dean

*W.S.*

McGILL UNIVERSITY  
MONTREAL.

PHYSIOLOGICAL LABORATORY.

22<sup>nd</sup> January, 1921

Sir Arthur W. Curie, G.C.M.G., K.C.B., LL.D.  
Principal of McGill University.

Dear Sir, I shall be pleased to serve on the Special  
Committee for dealing with the Old Medical Building,  
and will keep in mind your instructions with regard to  
discussion in public of the Committee findings.

Respectfully yours,  
John Fair

THE SHERBROOKE,  
MONTREAL.  
21st January, 1921.

Principal Sir A. Currie,  
McGill University,  
Montreal.

Dear Sir Arthur,

re Special Old Medical Building Committee.

I will gladly act on the above committee, in accordance with your request, if I can be of any use whatsoever. I take it for granted, however, that the committee has the privilege of adding to its number those who are more particularly concerned with the teaching work to be done in these buildings, more especially Professor MacCallum, whose advice would be of inestimable value from the very start.

Faithfully yours,

*C. J. Martin.*



*Brown, Montgomery & McMichael*  
*Advocates, Barristers &c.*

ALBERT J. BROWN, K.C.  
ROBERT C. MC MICHAEL, K.C.  
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GERALD A. COUGHLIN.  
LINTON H. BALLANTYNE.

*Cable Address "Jonhall"*

*Dominion Express Building*

*Montreal*

21st January 1921.

Sir Arthur W. Currie,  
Principal,  
McGill University,  
MONTREAL.

Dear Sir Arthur,

OLD MEDICAL BUILDING

I acknowledge receipt of yours of the 20th instant enclosing copy of letter sent by you to Drs. Tait, Martin and Scane, suggesting that they along with myself, as the Governors' representative, constitute a Committee to consider best how the old Medical Building can be altered and enlarged to house the Departments of Bio-Chemistry, Physiology, Zoology and Botany etc., and I shall be glad to act on this Committee and do what I may be able to assist in getting together the information required to deal with the matter.

Yours sincerely,

*A. Brown*

**DOCKET STARTS:**

MCGILL UNIVERSITY

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Montreal, January 20/31.

Dear Sir:-

Special Old Medical Building Committee

Will you consent to serve on a  
Committee composed as follows:

- Mr. A.J. Brown, representing the Governors,
- Dr. John Tait,
- Dr. Martin,
- Dr. Scane.

This Committee has been constituted for the purpose of considering how best the Old Medical Building can be altered and enlarged in order to house the Departments of Bio-Chemistry, Physiology, Zoology and Botany, etc., thus converting it into a general Biology Building.

As a result of your conclusions the Architect chosen will be better able to make his plans. It is, of course, to be understood that any conclusions reached must be submitted to the Board of Governors for their approval before any definite action as regards alteration or construction can be taken. I mention this because I do not want the general body of teachers, students or public to get any wrong impressions as to what may or may not be done in the matter of a building programme.

Mr. A. J. Brown will call the Committee together.

Yours faithfully,

Principal.

January  
Twentieth  
1921.

A. J. Brown, Esq.,  
145 St. James Street,  
Montreal.

Special Old Medical Building Committee

Dear Mr. Brown:-

The attached is a copy of a letter  
sent to Dr. Tait, Dr. Martin and Dr. Scane.

As a result of our meeting last  
Monday night I have, after consultation with Dean  
Adams, decided to ask Drs. Tait, Martin and Scane  
to serve on the Old Medical Building Committee,  
and I would like you to take the Chairmanship of that  
Committee.

Yours faithfully,

Principal.

**DOCKET ENDS:**