

Indian Affairs
School Files

(RG 10, Volume 6256)

File 576-2, part 1	Brandon Residential School - United Church - Quarterly Returns. 1941 - 1949
File 576-2, part 2	Brandon Residential School - United Church - Quarterly Returns. 1949 - 1952
File 576-4, part 1	Brandon Residential School - United Church - Requisitions for Supplies. 1940 - 1952
File 576-5, part 1	Brandon Residential School - Methodist Church - Building Maintenance - Supplies - Accounts. (Plans). 1891 - 1894
File 576-5, part 4	Brandon Residential School - United Church - Building Maintenance - Supplies - Accounts. (Plan). 1929 - 1933

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY
POOR
COPY

133-0-15

[Handwritten signature]

W. H. SHILLINGLAW
M. E. I. C.
ARCHITECT AND CIVIL ENGINEER
108 STRAND BLOCK
BRANDON · MANITOBA

R

RECEIVED
SEP 23 1929
PROCESSED

Brandon, Sep, 7, 1929.

Mr. R. Gurney Orr.
Architeet
Dep't of Indian Affairs.
Ottawa.

Dear Sir. Re Indian Industrial School, Brandon.

I am enclosing you a suggested layout for rainwater and floor drainage and also to take care of spring in N.W. corner of Fuelroom. This will obviate a deep trench near any foundation walls.

The spring appears to be running less water than when first opened and may eventually find another outlet but in the meantime it requires constant pumping. It may also finally run dry.

Please advise me as to having this drain laid as shewn. The Contractor objects strongly to laying the drain where shewn on Basement Plan and I am satisfied there will be settlement of walls if this is done.

The foundation walls will be completed early next week and brickwork will be started Tuesday.

Yours Very Truly,

W. H. Shillinglaw

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY
POOR
COPY



J. H. SIMMONS

GENERAL CONTRACTOR

506 CONFEDERATION LIFE BUILDING

WINNIPEG, MAN. August 31st. 1929

ESTIMATE No. 1. INDIAN RESIDENTIAL SCHOOL, at BRANDON, MAN.
as at above date.

Excavation 3,700 yds at .75¢ per yd.	\$ 2,775.00
Concrete in place 245 yds at \$ 14.00 prt yd.....	3,430.00
Labor, wrecking old building.....	1,400.00
<u>Material on ground:-</u>	
Car of Shiplap, 2x4 etc. 26 thousand ft. at \$ 38.00 per M.	988.00
Cement 120 bbls at \$ 4.00 per bbl.....	480.00
Aggregate Gravel 110 cu. yds at \$ 4.00 per cu. yd.....	440.00
Lime 615 Bushels at .70¢ per Bushel.....	430.50
Hollow Tile 2 cars	715.00
Enamel Brick complete for building.....	<u>1,860.00</u>
Total.....	\$ 12,518.50
Less 10%	<u>1,251.85</u>
Balance Estimate No. 1.....	\$ 11,266.65

J. H. Simmons

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES ARCHIVES PUBLIQUES
 CANADA

VERY POOR COPY

W. H. SHILLINGLAW
M.A.A., M.E.I.C.
Architect and Civil Engineer
BRANDON, MAN.

Certificate No. one Amount \$ 11266.65 Brandon, Man., Sep 6 1929
Owner Dept of Indian Affairs Address Ottawa
J. A. Simmons Contractor for Industrial School, Brandon
having furnished labor and material on School located at Brandon, man

under terms of contract dated _____ is entitled to the payment
of Eleven thousand two hundred and sixty six ⁶⁵/₁₀₀ DOLLARS

STATEMENT
Amount of Contract \$ 147742.00
Extra Work - \$ _____ \$ 147742.00
Inst Payment - \$ 11266.65
Previous Payment \$ _____ \$ 11266.65
Balance Due - \$ 136475.35

Statement No 1 attached.

Certified correct

W. H. Shillinglaw

Inspector of Construction

Received the amount of above certificate.

Brandon _____ 19 _____

Contractor

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY
POOR
COPY

133-0-15

ESTIMATES FURNISHED

Am. Affairs

J. H. SIMMONS
GENERAL CONTRACTOR

506 CONFEDERATION LIFE BUILDING
WINNIPEG, MAN.



September 7th. 1929

R. Gurney Orr, Esq.,
Architect, Dept. Indian Affairs,
Ottawa, Ont.

Dear Sir:-

I am not sure whether Inspector W. H. Shellinglaw sent you Certificate No. one for the Indian Residential School at Brandon or not. He sent me the enclosed copy which looks like an original copy and I am enclosing same in case he did not forward same to you.

In his letter to me he said as he had no Department forms that he made Estimate on his own form.

Yours truly.

J. H. SIMMONS.

Per *Shellinglaw*

S/L.

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY
POOR
COPY

133-0-15

Archives

W. H. SHILLINGLAW
M. E. I. C.
ARCHITECT AND CIVIL ENGINEER
108 STRAND BLOCK
BRANDON - MANITOBA



Brandon, Sep. 10 1929.

R R

Mr. R. Gurney Orr.
Architect.
Dep't of Indian Affairs.
Ottawa.

Dear Sir.

I beg to acknowledge the receipt of your letter of Sep. 6 regarding drain. The Contractor is now working on it. I am connecting it into drain from Septic tank and on the discharge pipe of this tank.

The foundation walls are nearly completed and brickwork has been commenced in the Basement.

I note what you say in regard to minor changes which do not involve additional cost.

Yours Very Truly,

W. H. Shillinglaw

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES ARCHIVES PUBLIQUES
CANADA

VERY POOR COPY

Invoice of Goods Shipped from

133-0-5

THE WILLSON STATIONERY CO. LTD., WINNIPEG, MAN.

Indian Industrial School,
Brandon, Man.

R

DEPT. OF INDIAN AFFAIRS
Date
JUL 31 1929

July.31/29

ORDER NO.

QUANTITY

NUMBER

DESCRIPTION OF GOODS

Month	Day	Quantity	Number	Description of Goods	Price
March.	25.	1702	1	# 1007 Science Book refill	.30
		1710	1	Card Mapping pens.	.35
April.	9.	1850	1	# 3 Drawlet pen	.15
		1889	2	National Diary 1929	1.40
May	14.	2211	2	200 pp. Exercise books	.50
		2236	1	# 1007 Science refills	.60
June.	17.	2267	25	# 104 Watermans B.B.Ink.	.25
		2308	1	Letter folders.	.75
		2326	1	# 104 Watermans B.B.Ink.	.25
		2388	1	# 102 Watermans B.B.Ink.	.15
		2408	1	# 104 Watermans B.B.Ink.	.25
		2545	4	School Time books.Squared.	.20
		2545	3	Paint brushes. Reeves.	.15
		2545	1	# 50 Paint box.	.45
		2545	1	Penholder.	.50
		2545	3	Pen nibs.	.05
July.	5.	2713	1	Pencil.	.05
		2713	1	# 102 Watermans B.B.Ink.	.15
		2713	1	Ruler.	.10
		2713	1	# 12/150 Book keeping book	5.00
					11.50

Handwritten notes:
1. [Signature]
2. [Signature]

EXAMINED and found correct.
[Signature]

103

Material supplied. Work performed, prices fair and just, each item a proper receipt against the Gov't. of Canada.

J. A. Doyle
Principal.

2968
sent 4/9/29

ALL CLAIMS MUST BE MADE ON RECEIPT OF GOODS

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY POOR COPY

133-0-515
Indian Residential School



Rev. A. Doyle, D. D.
PRINCIPAL

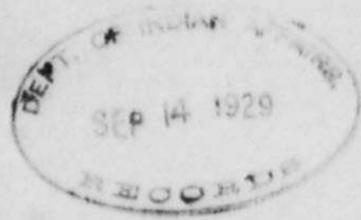
PHONE 2838

R

[Handwritten signature]

Brandon, Man., Sept. 11th. 1929.

The Secretary,
Dept. of Indian Affairs,
Ottawa, Ont.



Dear Sir:

Referring to your letter of August 16th file No. 133-0-5, I wish to say that we tried out more thorly the 1020 tractor and found it unsatisfactory. It did not have power enough to handle the cultivator in our light land. We therfor brought out 2836 H. P. engine and have tried it out on the different phases of our work. It is now running the corn cutter. It handles everything with entire satisfaction, And at the same time we took in the old engine for repairs.

I saw the I. N. C. representative this morning, and he tells me that they have the engine apart, but have not completed the repairs. He finds that the cost will be \$255.00. The arrangements with the Company was if we took the 2836 tractor, it would cost \$750.00, and the old tractor. We therfor now have the option of taking this new tractor at \$750.00, or waiting until the old engine is repaired and taking it back at a cost of \$255.00 I am quite convinced that it would be in the interest of economy in the long run to purchase the new tractor on the terms defined.

Awaiting your final word in this matter,

*Buy new one
A.D.*

I am yours respectfully,

J. A. Doyle.

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY
POOR
COPY

Indian Residential School

Rev. J. A. Doyle, D. D.
PRINCIPAL

PHONE 2838

Brandon, Man., _____ 19__

#2.

We were anxious to find out if the drain pipes were clear, and after the water ran for the night, we found the drainage coming out in the pasture field about 20 rods below the tank. We had a man dig down to the pipe at this point, and found the tile about 7 feet in the ground and the tile continued beyond the point where we dug the hole. We found a brake in the tile where the water was coming out. It would seem from this indication that the tile beyond this point at least is plugged up.

I felt that we should not go any further with work in this connection without consulting your Department, and I assume that further consideration and negotiations in connection with it will be carried on with Mr. Shillinglaw, your representative in connection with the new building.

I am yours respectfully,

J. A. Doyle.

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY
POOR
COPY

133-0-15

Indian Residential School

Rev. J. A. Doyle, D. D.
PRINCIPAL

R



[Handwritten signature]

Brandon, Man., Sept. 6th. 1929.

The Secretary,
Dept. of Indian Affairs,
Ottawa, Ont.

Dear Sir:

A short while ago a representative of the Water Power Department of the Dominion Government, called on us and stated that their Department in Winnipeg had received a request from the Department of Indian Affairs at Ottawa to inspect the Water system and water supply on your property here, and we gave him what help we could in this connection.

He asked us to open the septic tank. We found it covered at the upper end with about 5 feet of earth. We engaged a man to dig down to the manhole, and opened up the three sections of this tank.

We found the first one filled to the top, about $\frac{1}{2}$ of the substance in it was solids. After it was opened, it began to bulge out through the manhole, and we had as much as we could shoveled out, and then the liquid came up through the manhold and partway up in the hole we had dug. The second chamber was not quite full to the top, it contained liquid in the most part, about a foot or 18 inches heavy solids in the bottom. The third section was full to the top. We had the crust broken up, and set a man at dipping it until it was almost empty. Then the liquid burst through the obstruction and filled it to its normal level. This reduced the level in both the first and second chambers to normal. We then turned a flow of water from our water system into the sewerage drain and left it running over night, and found the tanks at normal level in the morning.

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES
CANADA
ARCHIVES PUBLIQUES

VERY
POOR
COPY

*Architect
Please see under*

Ottawa, September 14th, 1929.

Reverend Sir,-

I have your letter of the 5th instant, with reference to a corner stone at the Brandon Indian Residential School. Your proposal to have a private function is approved as it is improbable that The Hon. Mr. Forke would be available. It would be satisfactory to the Department to place a metal box in the wall beside the stone already ordered for the corner. At a later date, if some lettering on the outside of the stone is desirable, you may correspond with the Department.

I trust that Rev. Mr. Ferrier's health will permit him to be present on the 24th instant.

I have, also, your letter of the 6th instant, with reference to the Dominion Water Power Branch Engineer's finding in connection with the septic tank. Please do not incur any expenditure in this connection as it is possible that the engineer in question will recommend an entirely new septic tank. The Department's officers have already discussed this with Mr. Atwood, the District Chief Engineer at Winnipeg, who will continue his investigation and will be in charge of any improvements to the sewage disposal system at the school.

Your obedient servant,

A. F. MacKenzie

A. F. MacKenzie.

Acting Asst. Deputy and Secretary.

J. A. Doyle
J. A. Doyle
Rev. J. A. Doyle, D.D.,
Principal,
Indian Residential School,
Brandon, Man.

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

*VERY
POOR
COPY*

133-0-15

W. H. SHILLINGLAW
M. E. I. C.
ARCHITECT AND CIVIL ENGINEER
108 STRAND BLOCK
BRANDON - MANITOBA

DEPT. OF INDIAN AFFAIRS
SEP 16 1929
RECORDS

Architect

R

Brandon, Sep. 11, 1929.

Mr. A. F. MacKenzie.
Asst Dep'y and Secretary,
Dep't of Indian Affairs.
Ottawa.

Dear Sir. Re Indian Industrial School, Brandon.

I beg to submit the following report to this date re progress on this work.

The concrete foundations, except 3 footings for columns, are completed and brickwork in Basement was commenced on Tuesday, Sep. 9. The plumber is now laying drainage pipes in Basement.

Yours Very Truly,

W. H. Shillinglaw

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY
POOR
COPY

133-0-5. ✓

Ottawa, September 16, 1929.

Rev. Sir:

I have your letter of the 11th instant, with further reference to the supplying of a tractor for the Brandon Indian Residential School.

In this connection I have to say that the Department will approve of the purchase of the 22-36 tractor, at a cost of \$750, plus the old tractor. It is noted that you have given this new tractor a thorough trial and that it is satisfactory. Please forward an account, in duplicate, properly certified, in favour of the firm from whom the purchase is made, covering the cost of the new tractor.

Your obedient servant,

A. F. MacKenzie
A. F. MacKenzie,
Acting Asst. Deputy and Secretary.

J. A. Doyle
J. A. Doyle
Rev. J. A. Doyle, D.D.,
Principal,
Indian Residential School,
Brandon, Man.

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY
POOR
COPY

133-0-15

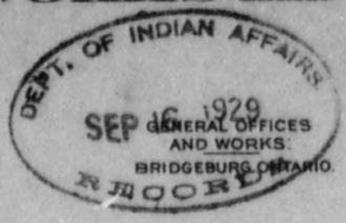
HORTON STEEL WORKS LIMITED



STEEL - TANKS

SALES OFFICES
BRIDGEBURG, ONTARIO
MONTREAL, QUEBEC
TORONTO, ONTARIO.

B



BRIDGEBURG, ONTARIO.

Sept. 14, 1929.

[Handwritten signature]

Mr. Duncan C. Scott,
Superintendent General,
Dept. of Indian Affairs,
Ottawa, Ontario.

Dear Sir:

We note with interest that the Department of Indian Affairs have awarded the contract to J. H. Simmons, 506 Confederation Life Bldg., Winnipeg, Man., for the construction of the Indian Industrial School at Brandon Man., and the thought occurred to us that there might be required an elevated Water Storage Tank in connection with this school.

Our Company are Manufacturers and Erectors of Elevated Steel Water Storage Tanks, and in the past have fabricated and erected various Elevated Water Storage Tanks for Provincial Departments, in connection with Provincial Institutions.

May we not have the pleasure of hearing from you in connection with the above matter?

Yours truly,

Horton Steel Works, Ltd.

By *[Handwritten signature]*
Contracting Engineer.

SSG/FC.

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY POOR COPY

PLASTER COAT WATERPROOFING SPECIFICATIONS

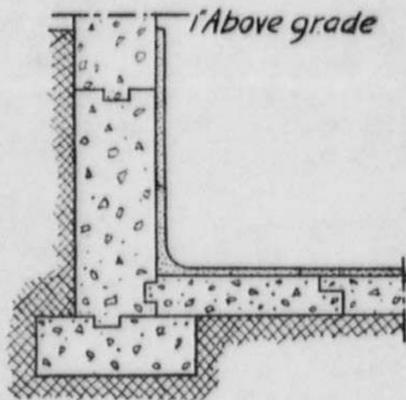


THE HAUSLING SYSTEM For Waterproofing Concrete and Cement Mixtures

Waterproofing may be effected either in the concrete mass or by a cement coating on either the inside or outside of the masonry walls if "Anti-Hydro" is used in gauging water. The bond of "Anti-Hydro" cement coating to brick, stone, concrete or cement finished surfaces is perfect, adhering permanently against any head of water.

SPECIFICATIONS

WATERPROOFING—All interior surfaces of all exterior walls, upper surface of concrete floor slabs below grade, all pits, piers, etc., as shown on plans shall be waterproofed by the application of a plaster coat of 1 part portland cement and 2 parts clean sand, gauged and tempered with a solution of 1 part "Anti-Hydro" to each 10 parts of water. Floor toppings shall be 1" in thickness and shall serve the double purpose of waterproofing and a hard, dustless floor surface. Wall coatings shall be $\frac{5}{8}$ " thick, properly coved and bonded to the floor, and carried up to 1 foot above grade.



GROUTING—To insure perfect bond to underlying masonry, all surfaces, before application of "Anti-Hydro" mortar, shall be thoroughly roughed and cleaned and brushed with a slush or grout made by stirring portland cement into a solution of 1 part "Anti-Hydro" and 3 parts water to the consistency of a heavy paint. The coating specified above shall then be applied, while the slush coat is still wet.

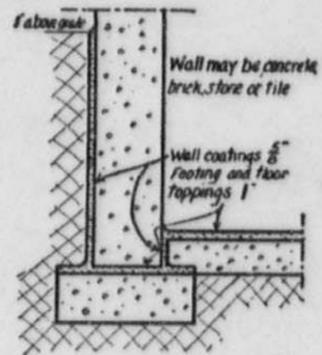
CONSTRUCTION JOINTS—Wherever possible the coatings should be made continuously until completed. Where construction joints are necessary they should be carefully cleaned and slushed with the grout described in previous paragraph before new coating or topping is placed. Care should be exercised to join the topping at a point away from the construction joint in the slab.

PUMPING—Where water is present in the excavation a pump of sufficient capacity to keep water below the floor shall be operated continuously while the floor and walls are being troweled and for 24 hours thereafter.

If, because of architectural treatment of interior surfaces of walls it is desirable to waterproof from the outside, the following paragraph should be substituted for the WATERPROOFING paragraph above.

SPECIFICATIONS

WATERPROOFING—Footings of all exterior walls shall be covered with a 1" topping of "Anti-Hydro" gauged mortar before walls are placed. The outside surfaces of the exterior walls shall be plastered with the same mortar from the footings to 1 foot above the grade, and the inside surface of these walls shall be plastered from the footing to the top of the floor level. The waterproof mortar shall consist of 1 part portland cement and 2 parts sand, gauged and tempered with a solution of 1 part "Anti-Hydro" to each 10 parts of water. Wall coatings shall be $\frac{5}{8}$ " thick and coved and bonded to footing toppings. The upper surface of concrete floor slabs below grade shall be topped with the same waterproof mortar 1" thick, and properly bonded to the waterproof plaster on the inside of the walls.



SERVICES—Information and advice on all problems of waterproofing and concrete hardening may be had from any of our offices.

ANTI-HYDRO WATERPROOFING CO.

Laboratories, 265-295 Badger Ave., Newark, N. J.

Form 164 August 1929

FILE NO. A. I. A. FILE NUMBER 7A3

FILE NO. A. I. A. FILE NUMBER 7A3

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY
POOR
COPY

MASS CONCRETE WATERPROOFING SPECIFICATIONS



THE HAUSLING SYSTEM For Waterproofing Concrete and Cement Mixtures

Waterproofing may be effected either in the concrete mass or by a cement coating if "Anti-Hydro" is used in gauging water. Specifications for cement plaster are shown on a separate sheet.

SPECIFICATIONS

WATERPROOFING OF MASS CONCRETE

All concrete in contact with earth on one side, and such other masonry as is indicated on the plans, shall be made of 1 part Portland Cement, 2 parts sharp, washed sand, 4 parts broken stone or gravel, and shall be waterproofed throughout the mass by the addition of "Anti-Hydro" liquid waterproofing to the water used in gauging the concrete mixture. Not less than 1 1/2 gallons of "Anti-Hydro" shall be used for each cubic yard of concrete. The correct proportion of "Anti-Hydro" and the proper consistency of the mixture will be obtained if for each barrel of cement 1 gallon of "Anti-Hydro" and 10 to 15 gallons of water be used. Concrete shall in all cases be mixed without excess water. Where forms are below water level, extremely stiff mix shall be used.

PUMPING

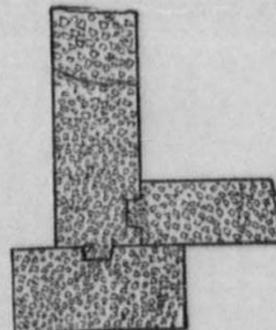
Where water is present in the excavation a pump of sufficient capacity to keep water below the forms shall be operated continuously during the pouring and for 24 hours thereafter. The earth must be so prepared that the water will easily drain under the concrete to the pump.

SPADING CONCRETE

All concrete shall be thoroughly and continuously spaded during the pouring.

CONSTRUCTION JOINTS

Wherever possible floor slabs and exterior walls and footings shall be poured continuously until completed. Where construction joints are necessary same shall be keyed with a 2" x 2" key. When pouring is about to be resumed the entire joint shall be treated with a slush composed of 1 part "Anti-Hydro," 3 parts water, and sufficient neat cement to form a thick creamy mixture. This slush should be applied with a brush and should still be wet when followed by the new concrete.



SERVICES—Information and advice on all problems of waterproofing and concrete hardening may be had from any of our offices.

ANTI-HYDRO WATERPROOFING CO.

Laboratories, 265-295 Badger Ave., Newark, N. J.

Form 157 July 1929

FILE NO. _____ A. I. A. FILE NUMBER 7 A 2

FILE NO. _____ A. I. A. FILE NUMBER 7 A 2

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY
POOR
COPY

Some ANTI-HYDRO Installations Architect or Contractor

AUTOMOBILE CLUB OF AMERICA, NEW YORK CITY	Ernest Flagg (a) Weber Const. Co. (c)
BANK OF MONTREAL MONTREAL, QUE.	McKim, Mead & White (a) P. Lyall & Sons Const. Co. (c)
BAUGH CHEMICAL CO., BALTIMORE	Chas. L. Stockhausen Co.
BERKELY CANTON HOTEL, ASBURY PARK, N. J.	Warren & Wetmore (a) Turner Const. Co. (c)
CATHOLIC FOREIGN MISSION SOCIETY, MARYKNOLL, N. Y.	Maginnis & Walsh (a) W. H. Fissell & Co. (c)
CENTRAL HIGH SCHOOL, NEWARK, N. J.	Guilbert & Betelle (a) Fred Kilgus (c)
COLE MOTOR CAR CO., INDIANAPOLIS, IND.	Bass, Knowlton & Graham (a) Bedford Stone Const. Co. (c)
COLUMBIA HOSPITAL, MILWAUKEE, WIS.	Schmidt, Garden & Martin (a) Paul Riesen Sons, Inc. (c)
COTTON EXCHANGE, HOUSTON, TEXAS	Sanguinet, Staats & Hedrick (a) Don Hall (c)
EASTERN JUNIOR HIGH SCHOOL, NORFOLK, VA.	Peebles & Ferguson (a) H. T. Watts Co. (c)
GIRLS' COMMERCIAL HIGH SCHOOL, BROOKLYN, N. Y.	Wm. Gompert (a) Geo. A. Fuller Co. (c)
GORHAM COMPANY, PROVIDENCE, R. I.	J. W. Bishop Co. (c)
HOTEL JUNEAU, ALASKA	W. F. Skoog
LIGGETT & MYERS TOBACCO CO., RICHMOND, VA.	Francisco & Jacobus (a) H. K. Ferguson Co. (c)
MAGNOLIA PETROLEUM OFFICE BLDG., DALLAS, TEXAS	Alfred C. Bossom (a) C. T. Wills, Inc. (c)
MARSHALL FIELD ESTATE, HUNTINGTON, L. I.	John Russell Pope (a) Whitney Company (c)
MOUNT VERNON SEMINARY, WASHINGTON, D. C.	Wesley S. Bessell (a) Boyle-Robertson Const. Co. (c)
POSTAL TERMINAL GARAGE, CINCINNATI, OHIO	Harry Hake (a) Ferro Concrete Const. Co. (c)
REYNOLDS HIGH SCHOOL, WINSTON-SALEM, N. C.	Chas. Barton Keen (a) Dupont Engineering Co. (c)
SANTA FE RAILROAD FRUIT TERMINAL CHICAGO, ILL.	Gallo & Joy (a) Jerome Moos (c)
SELFRIDGE STORE EXTENSION, LONDON, ENG.	Graham, Anderson, Probst & White (a) F. D. Huntington, Ltd. (c)
SEVILLA-BILTMORE HOTEL, HAVANA, CUBA	Schultz & Weaver (a) Arellano & Mendosa (c)
WATSON FRYE CO., BATH, ME.	The Austin Co.
WM. WRIGLEY, JR., CO., CHICAGO, ILL.	S. Scott Joy (a) E. W. Sproul Co. (c)

Form 124 3-29

DIRECTIONS

See Table for All Mixing Proportions

In General Successful waterproofing or hardening requires one gallon of "ANTI-HYDRO" for every barrel of cement used. To attain these results use a solution of "ANTI-HYDRO" in water or introduce directly into the mixer one quart of "ANTI-HYDRO" for each bag of cement while the water is being added.

To Secure A Certain Bond When continuous work from start to finish is impossible, preparation of under surfaces and structural joints is important. If work is to continue over a surface or from a joint that has reached its final set, become dry or dirty, the surface must be roughed as with a pick, washed with water and thoroughly brushed over or sprayed with "ANTI-HYDRO" grout. The new work must cover the grout before it dries.

Cautions Insist on accurate measurement of all ingredients.

Use a fairly stiff mix and not a sloppy mixture. Concrete poured too wet will not be waterproof, will set slowly and will not be hard and will never attain normal strength.

Concrete must be well spaded in the forms. Don't depend on simply filling the forms.

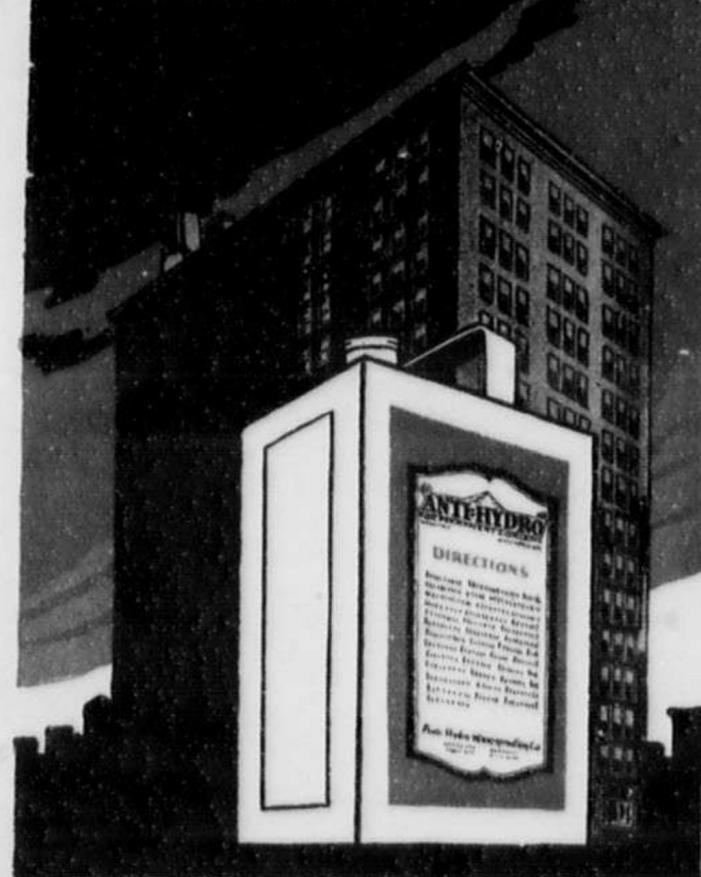
Float and trowel well all plaster coats, floor topping, etc.

Use no lime in the same mix with "ANTI-HYDRO." When trowelling floor surfaces, no drier should be used. The apparent need for a drier indicates that the mix was too wet.

**ANTI-HYDRO WATERPROOFING &
NEWARK NEW JERSEY**

"ANTI-HYDRO"

hardens and
waterproofs
Concrete



Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY
POOR
COPY

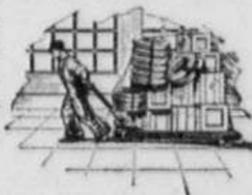
The Integral Method The function of "Anti-Hydro" may be expressed as waterproofing cement with cement, that is, mixing the unhydrated cement with a cement solution with which it is chemically active. The pores in ordinary concrete are thus completely filled with a material of the same character as the cement itself. This integrally forms an insoluble mass which is permanently waterproof and hard through and through. The unprecedented record of "Anti-Hydro" success since 1904 demonstrates beyond all doubt the permanency of this method.

How It Waterproofs "Anti-Hydro" is a colorless liquid compound friendly to cement.

When added in certain percentages to the water used in gauging portland cement mixtures in the usual way, it accelerates the set, increases the strength, and renders the cement masonry impervious to water, moisture, frost, gas, oils, odors, etc. It chemically combines with portland cement and excites and brings into service all the cohesive possibilities of portland cements, which in themselves are the most efficient waterproofing mediums.



For Hard and Dustless Floors By building hardness into concrete instead of painting it on the surface, "Anti-Hydro" produces dustless, adamant floors that are permanent. All of the earliest installations, now more than 25 years old, are in perfect condition today. "Anti-Hydro" increases the hardness of concrete at the age of three days, equal to that normally attained in one month's time.



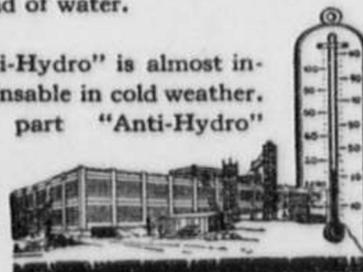
Prevents Efflorescence In Brick Mortar The addition of "Anti-Hydro" to portland cement mortars used in masonry eliminates the necessity for any other waterproofing or damp-proofing. It also helps prevent efflorescent salts coming from the mortar and staining the masonry.



Prevents Disintegration When used in concrete "Anti-Hydro" positively prevents disintegration. Corrosion of the reinforcing steel with its consequent bursting of the concrete is entirely prevented. It eliminates porosity, thus excluding moisture and renders walls non-conductive. Concrete walls or cement floors made with "Anti-Hydro" will resist the action of sea water, as well as the action of acids and alkalis. Similarly, concrete blocks, pipe or other cement products when made with "Anti-Hydro" will resist local acid or alkali conditions in the soil.

A Perfect Bond The bond of "Anti-Hydro" coatings to brick, stone concrete, or cement-finished surfaces is so perfect that they will adhere permanently against any head of water.

Prevents Freezing "Anti-Hydro" is almost indispensable in cold weather. One part "Anti-Hydro" and ten parts water used for mixing permits concreting at temperatures as low as 15 degrees F.



Road Work "Anti-Hydro" produces a waterproof road with a harder and more durable surface which can be opened to traffic in days, where weeks are required without it. With certain brands of portland cement, "Anti-Hydro" gauged concrete road patches may be opened for traffic in 24 hours. An exceptional bond is formed with adjacent concrete.



Other Uses Wherever water resisting or water holding is required of cement, "Anti-Hydro" will prove invaluable. It has been most successfully used for waterproofing tunnels, subways, foundations, cellars, walls, pits, reservoirs, roofs, swimming pools, tanks, floors and for stucco work.

Saves Its Own Cost "Anti-Hydro" enriches the mortars and lowers the cost of trowelling, mixing and supervision. This saving in labor more than pays the cost of the "Anti-Hydro."

How "Anti-Hydro" Is Used In Various Mixes

	Cement	Sand	Stone	ANTI-HYDRO To Water	One Gallon Covers
Mass Concrete	1	2	4	1:10 to 1:15	3/4 yards
Plaster Wpfg. & Floor Tpg.	1	2	--	1:10	1"-100 sq. ft.
Stucco Undercoats	1	3	--	1:10	Both coats 80 to 100 sq. ft.
Stucco Finish Coats	1	2 1/2	--	1:10	1000 brick or 50 cu. ft.
Brickwork Above Grade	1	3	--	1:15	700 brick or 35 cu. ft.
Brickwork Below Grade	1	2	--	1:12	5/8"-80 to 100 sq. ft.
Acid Resist. Tank Lining	1	1	1 grit	1:8	3/4 yards
Road Work	1	2	4	1:10	600 ft. 1 coat
Grout or Dmpfg. Paint	1	--	--	1:3	

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY POOR COPY

133-0-15

CABLE ADDRESS: ANTIHYDRO
CODE: BENTLEY'S

ANTI-HYDRO
WATERPROOFING CO.
LABORATORY and WORKS
NEWARK, N. J., U.S.A.

DEPT. OF INDIAN AFFAIRS
SEP 20 1929
RECORDS

R

39 Cortlandt St.
New York Sept. 18, 1929

C. A. Stewart
Mr. Dunes C. Scott, Supt. Gen'l,
Department of Indian Affairs,
Ottawa, Ontario, Canada.

Dear Sir:-

We note with interest that you are about to construct an Indian industrial school at Brandon, Manitoba.

No doubt you will require waterproofing for your foundation walls and floor slabs or perhaps only in the floors toppings and wall plaster coats. Or you may have floors which must be hard and dustless and perhaps resist the action of chemicals.

Anti-Hydro added to your mixing water will impart all of these qualities to cement masonry in one operation and without any extra labor cost.

When you specify Anti-Hydro you get a product which for 25 years has been giving satisfactory results all over the world. The following well known architects regularly specify Anti-Hydro in their school work.

- | | |
|---------------------|----------------------|
| Guilbert & Betelle | Newark, N. J. |
| James Gamble Rogers | New York City, N. Y. |
| John Russell Pope | New York City, N. Y. |
| Ludlew & Peabody | New York City, N. Y. |
| I. T. Catharine | Philadelphia, Pa. |
| Randall & Vedder | Syracuse, N. Y. |
| Tooker & Marsh | New York City, N. Y. |
| Aymar Embury, 2nd | New York City, N. Y. |

The attached specifications are those commonly used in construction work. We have others for special work which we will gladly furnish on request.

Stock of Anti-Hydro is carried in Eastern Canada by Stinson-Reeb Builders Supply Co. Ltd., of Montreal, Quebec, who will make prompt deliveries for your wants.

CAS:ML
sf-ws

Yours very truly,
ANTI-HYDRO WATERPROOFING CO.
by *C. A. Stewart*

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES ARCHIVES PUBLIQUES
CANADA
VERY POOR COPY

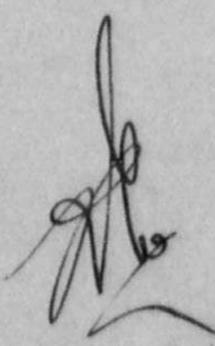
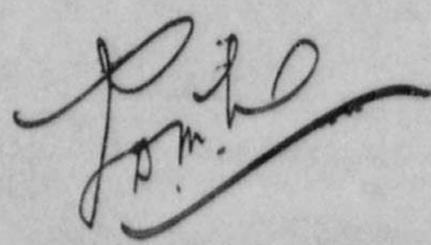
Sept. 26, 1929.

Sir,

I beg to acknowledge receipt of your letter of the 14th instant, addressed to the Deputy Superintendent General, and in reply to say that the Department does not intend to install an elevated tank at the new Brandon School.

Your obedient servant,

J. D. McLean.
Asst. Deputy and Secretary.



Horton Steel Works, Ltd.,
Bridgeburg, Ont.

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY
POOR
COPY

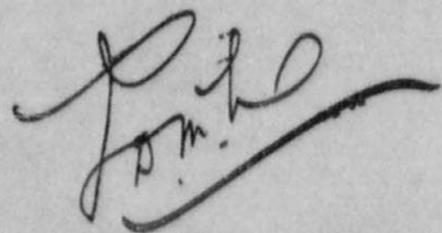
Sept. 26, 1929.

Sir,

I beg to acknowledge receipt of your letter of the 14th instant, addressed to the Deputy Superintendent General, and in reply to say that the Department does not intend to install an elevated tank at the new Brandon School.

Your obedient servant,

J. D. McLean.
Asst. Deputy and Secretary.



Horton Steel Works, Ltd.,
Bridgeburg, Ont.

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY
POOR
COPY

V

Sept. 25, 1929.

Sir,-

Replying to your letter of the 7th instant, with reference to the suggested layout for rain water and floor drains at the Brandon School, I beg to say that the Department approves of laying the drains as suggested by you.

Your obedient servant,

J. D. McLean.
Assistant Deputy and Secretary.

W. H. Shillinglaw, Esq.,
Brandon, Man.

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY
POOR
COPY

COPY*ZB

Department of the Interior
Canada
DOMINION WATER POWER AND RECLAMATION SERVICE

Winnipeg, Man.,
September 19, 1929.

Sir,

Mr. Attwood's wire of September 11th states that the Department of Indian Affairs consider that a gravity system from their present reservoir will provide sufficient pressure for water services in the basement and first floor.

Our survey of the location shows that the elevation of the top of the reservoir is 112.4, elevation of outlet pipe from reservoir 108.4, the elevation of the basement floor will be 91.5 and the elevation of the first floor will be 102 with service outlets at an elevation of approximately 105 on the floor. Thus we will have a maximum pressure head of 112.4 - 105 or 7.4 feet on the service outlets of the first floor. This head will produce about 3.2 lbs. per square inch pressure at the service taps.

In ordinary private installations for houses the water supply usually operates under a pressure of from 20 to 40 lbs. per square inch and the lowest pressure considered serviceable is from 10 to 15 lbs. It is therefore evident that a pressure of 3.2 lbs. per square inch on the first floor at the Brandon School cannot be considered to give satisfactory results although water will flow.

The new building at Brandon is being equipped with fire hose on every floor, bath rooms are provided for on all floors and to supply these upper floors a pressure system is required.

The installation of fire protection equipment on every floor implies that fire protection is necessary and this can only be provided for by an adequate pressure system. Small pressure tanks cannot provide this protection, although they would serve to give a water service on the two upper floors. Without the installation of an adequate pressure tank system for water supply the situation would be that the basement would be supplied fairly adequately from gravity, the ground floor would have an unsatisfactory service and small pressure tanks would have to be installed to supply the upper two floors. No water supply for fire protection would be available.

Under these circumstances I would again strongly recommend that the water supply installation for this school be a pressure tank system to supply water to all services within the building, for one of the prime requisites for any residential school is an adequate water supply and also a considerable measure of fire protection.

I am arranging to make a thorough examination of the present septic tank system in a few days and will let you know the results at once.

Your obedient servant,

(Sgd.) D. B. Gow,
Assistant District Chief Engineer.

The Director,
Dom. Water Power & Reclamation Service,
Dept. of the Interior,
Ottawa, Ont.

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY
POOR
COPY

PLEASE ADDRESS YOUR REPLY TO
THE DIRECTOR OF
WATER POWER AND RECLAMATION
DEPARTMENT OF THE INTERIOR
OTTAWA, CANADA

MFC*ZB



133-0-15
R

DIRECTOR J. T. JOHNSTON, C.E., M.E.I.C.
ASST. DIRECTOR V. MEEK, B.Sc., M.E.I.C.

PLEASE REFER TO ONE SUBJECT IN A
LETTER, AND IN YOUR REPLY QUOTE

FILE NO. 15244-W.

DEPARTMENT OF THE INTERIOR
CANADA
DOMINION WATER POWER AND RECLAMATION SERVICE

OTTAWA, ONT.. September 25, 1929.

Whitcomb

Sir,

With further reference to my letter of the 3rd instant regarding the new Indian residential school at Brandon, Manitoba, I enclose herewith copy of a letter from Mr. Gow, our Assistant District Chief Engineer, at Winnipeg, regarding the water supply system for the proposed school. This may be considered as supplementary to the report accompanying Encl. my letter of the 3rd instant.

Your obedient servant,

J. T. Johnston,
Director.

Per *A.F.C.*

Mr. J.D. McLean,
Assistant Deputy and Secretary,
Department of Indian Affairs,
Ottawa.

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4.)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY
POOR
COPY

CERTIFICATE

Department of Indian Affairs

Certificate No. 1

Sept. 25, 1929, 192

11,266.65

I hereby Certify that J. H. Simmons, 506 Confederation Life Bldg. has supplied material and performed labour on INDIAN RESIDENTIAL SCHOOL AT BRANDON, Man. Winnipeg, Man.

Contract for A.L.L. work

entitling him to a first payment of Eleven thousand two hundred sixty-six dollars and sixty-five cents.

Certificate No. 1. \$ 11,266.65 Contract \$ 147,742.00

Handwritten notes: 3458, Sub part 269-29, JM

Table with 6 rows for certificate numbers and extras, and a Total row.



Labour and material in building at first certificate \$ 12,518.50

Additional labour and material at 2nd, 3rd, 4th, and 5th certificates.

Labour and material required to complete contract \$

Signature of J. H. Simmons, ARCHITECT.

Received payment

Form No. 219

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY POOR COPY

Sept. 25, 1929.

Dear Mr. Shillinglaw,-

I have today received a letter from Mr. Simmons, enclosing certificate issued by you for payment on his contract for the Brandon School. The certificates for payment on the contract should be forwarded to the Department by you in duplicate and I am enclosing herewith certificate No. 1, which I have made out here and signed. The amount is based on the figures contained in your certificate of Sept. 6th.

I am sending you, under separate cover, certificate forms.

Yours very truly,



R. GURNEY ORR.
Architect for the Department.

W. H. Shillinglaw, Esq.,
108 Strand Block,
Brandon, Man.

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY
POOR
COPY

133-0-15

Form 6102, replacing Form 2A-T.W.

CLASS OF SERVICE DESIRED	
Day Message	
Day Letter	
Night Message	
Night Letter	

Patrons should mark an X opposite the class of service desired; OTHERWISE THE MESSAGE WILL BE TRANSMITTED AS A FULL-RATE TELEGRAM

CANADIAN NATIONAL TELEGRAPHS



Exclusive Connection with
WESTERN UNION TELEGRAPH CO.
Cable Service to all the World
Money Transferred by Telegraph

HEAD OFFICE, TORONTO, ONT.

W. G. BARBER, GENERAL MANAGER

RECEIVER'S NO.	TIME FILED	CHECK
----------------	------------	-------

Send the following message, subject to the terms on back hereof, which are hereby agreed to

Sept. 27, 1929.

J. H. Simmons, Esq.,
506 Confederation Life Bldg.,
WINNIPEG, Man.

Cheque mailed you yesterday.

R. Gurney Orr.

Chg. DIA

CLASS OF SERVICE	SYMBOL
Day Message	
Day Letter	D L
Night Message	N M
Night Letter	N L

If none of these three symbols appears after the check (number of words) this is a day message. Otherwise its character is indicated by the symbol appearing after the check.

CANADIAN NATIONAL TELEGRAM



Exclusive Connection with
WESTERN UNION TELEGRAPH CO.
Cable Service to all the World
Money Transferred by Telegraph

HEAD OFFICE, TORONTO, ONT.

W. G. BARBER, General Manager

RA269 10 XU

STANDARD TIME

1929 SEP 27 AM 11 34

UN WINNIPEG MAN 27 1014A

R GURNEY ORR

222

ARCHITECT DEPT OF INDIAN AFFAIRS OTTAWA ONT
HAS VOUCHER FOR AUGUST ESTIMATE BRANDON INDIAN SCHOOL BEEN
FORWARDED

J H SIMMONS.

*ck sent
Sept 26/29.*



Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

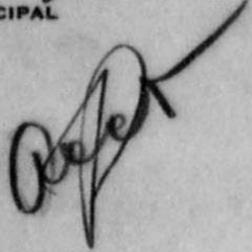
*VERY
POOR
COPY*

133-0-5

Indian Residential School

Rev. *A. Doyle, D. D.*
PRINCIPAL

PHONE 2838



Brandon, Man., ~~Sept. 28th.~~ 1929.

R

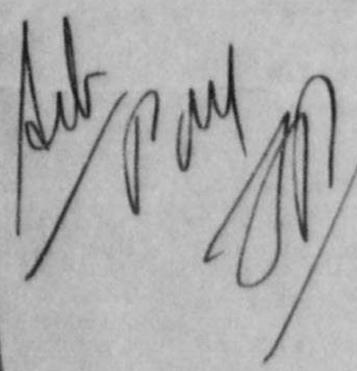
DEPT. OF INDIAN AFFAIRS
SEP 30 1929
RECORDS

The Secretary,
Dept. of Indian Affairs,
Ottawa, Ont.

File No. 133 - 0 - 5.

Dear Sir:

I wish to thank you for your letter of the 16th. inst. giving authority to purchase the New Tractor, and beg to inclose in duplicate herewith voucher 103 for seven hundred and fifty dollars (\$750.00). in favor of the International Harvester Co. of Canada.



I am yours respectfully,

J. C. Hayler.

SEP 2 1929
BRANCH

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES

ARCHIVES PUBLIQUES

CANADA

VERY
POOR
COPY

133-0-15

W. H. SHILLINGLAW
M. E. I. C.
ARCHITECT AND CIVIL ENGINEER
108 STRAND BLOCK
BRANDON · MANITOBA

W.H. Shillinglaw

R

DEPT. OF INDIAN AFFAIRS
OCT 1 1929
RECORDS

Brandon, Sep. 28, 1929.

Mr. A. F. MacKenzie.
Ass't Dep'y and Secretary,
Dep't of Indian Affairs.
Ottawa.

Dear Sir. Re Indian Industrial School, Brandon.

I beg to submit the following Report to this date re progress on this work.

The Basement walls to Ground Floor level are nearly completed and will be all up to this level by Oct. 3.

Work has commenced on placing steel joists and concrete of Ground floor, including installing of wiring conduit.

All rain water and plumbing drain pipe in Basement has been roughed in.

The drain from Boilerroom to outlet below Septic Tank will be completed on Tuesday next.

All stone and steel for the work has been delivered with the exception of some odd items.

Brick, tile, etc. is delivered as required and there is an ample supply on hand.

Yours Very Truly,
W.H. Shillinglaw

Indian Affairs. (RG 10, Volume 6256, File 576-5, part 4)

PUBLIC ARCHIVES
CANADA
ARCHIVES PUBLIQUES

VERY
POOR
COPY