

START

DÉBUT

**PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA**

POOR COPY



POOR-COPY

**PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA**



**PUBLIC ARCHIVES
OF CANADA**

**ARCHIVES PUBLIQUES
DU CANADA**

This microfilm is a true copy of original documentation in the Public Archives of Canada. It is provided for research purposes only. Permission to reproduce it must be obtained from the Public Archives of Canada. Responsibility regarding questions of copyright that may arise in the use of this microfilm is assumed by the recipient.

Ce microfilm est une copie exacte de documents conservés aux Archives publiques du Canada. Elle a été préparée pour fins de recherche seulement et ne peut être reproduite sans la permission des Archives publiques du Canada. Le récipiendaire sera tenu responsable de toute infraction au droit de propriété de ce document.

**PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA**

100-1011



MICROFILMED
BY
CENTRAL MICROFILM UNIT
PUBLIC ARCHIVES
OF
CANADA
OTTAWA, ONTARIO

MICROFILMÉ
PAR LE
SERVICE CENTRAL DU MICROFILM
ARCHIVES PUBLIQUES
DU
CANADA
OTTAWA, ONTARIO

DATE *June 30/75*

REDUCTION *26.5*

OPERATOR
OPÉRATEUR *J. Momy*

EXPOSURE
EXPOSITION *80*

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

POOR COPY

Roll
92 B

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

POOR COPY

Indian Affairs
School Files

(RG 10, Volume 6465)

File 888-5, part 4	Lytton Agency - St. George's Residential School - Building Maintenance-Supplies-Accounts 1933 - 1938
File 888-5, part 5	Lytton Agency - St. George's Residential School - Building Maintenance-Supplies-Accounts 1938 - 1947
File 888-5, part 6	Lytton Agency - St. George's Residential School - Inspector of Construction. 1927 - 1929
File 888-5, part 7	Lytton Agency - St. George's Residential School - Building Maintenance-Supplies-Accounts 1947 - 1949
File 888-5, part 8	Lytton Agency - St. George's Residential School - Building Maintenance-Supplies-Account (plans) 1950
File 888-9, part 1	Lytton Agency - St. George's Residential School - School Land 1891 - 1929
File 888-9, part 2	Lytton Agency - St. George's Residential School - Building Maintenance-Supplies-Accounts Irrigation (plans) 1914 - 1934
File 888-9, part 3	Lytton Agency - St. George's Residential School - Irrigation-Accounts 1935 - 1948

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

CONNECT SWITCHES AND MULTIBREAKER PANELS

These shall be installed in an approved manner and located as shown on the drawings, or as noted.

CONDUIT SYSTEM

All service drop wires and ground wires shall be run in galvanized rigid steel conduits. All wires in the main school building, manual training building, Church and other buildings as shown on the drawings are to be run in rigid steel conduits, except for surface wiring in the class rooms, and staff quarters which is to be run in surface metal-raceway.

Conduit runs which are exposed shall be run to right angle bends and parallel with adjacent walls.

INSTALLATION OF CONDUIT

All conduit must be securely fastened in place by means of approved supports and fastenings.

The conduits shall be installed in the floors and ceilings or in the walls and partitions in such a manner as not to weaken or interfere with the structure of the building.

All conduit shall be cut with a hacksaw, the ends being reamed before installing and after threading

CONDUIT ENDS

In installing the conduit, particular care should be taken in cutting it to length so that the ends will project into the outlet and distribution boxes a uniform distance and shall be firmly attached by the use of bushings and lock nuts.

SURFACE METAL RACEWAY

The metal raceway must be of an approved type. It must be continuous from outlet to outlet, junction box, or approved fittings designed especially for use with the metal raceway. All outlets must be provided with approved terminal fittings which will protect the insulation, unless such protection is afforded by the construction of the boxes or fittings. All metal raceways and terminal fittings must be securely fastened in place by means of approved supports and fastenings. Metal raceways must not be used in damp places.

GROUNDING

All conduit systems and distribution panels shall be thoroughly and efficiently grounded in an approved manner.

CUTTING AND PATCHING

The contractor shall be responsible for all cutting of holes through walls, floors and ceilings incident to his work and shall be required to patch to match existing wall, floor, and ceiling finish in the area affected. Skilled workmen shall be employed for this work and it shall be carried out to the satisfaction of the representative of the Engineer.

WIRES

Non-metallic sheathed cable shall be used in wiring the buildings and residences as called for on the plans and shall be supported and terminated at the boxes and distribution panels in an approved manner.

Thermoplastic wires shall be used in the conduit runs and surface metal raceways.

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

PULLING WIRES

No wires shall be pulled in until the conduit system is completed and all plastering finished. No oil, grease or compound other than soapstone shall be used to facilitate the pulling of the wires.

JOINTS IN WIRES

All wire shall be continuous between outlets or from the panel to the first outlet.

All joints shall be properly soldered using non-corrosive flux and shall be carefully taped with rubber tape and covered with fiction tape, both of approved brands.

FIXTURE LOOPS

At each fixture outlet, the contractor shall leave a loop or end of wire not less than 8" for connection of fixtures.

DISCONNECT SWITCHES AND FEEDERS

Disconnect switches and feeders shall be installed as outlined on the relative drawings.

DISTRIBUTION PANELS

Furnish and install where shown on plans. Panel boards shall be of the multibreaker type with 15 ampere circuits unless otherwise specified, the number of circuits required being shown on the plans.

Each circuit shall be numbered at its switch and a typewritten circuit directory cemented to the panel box.

BRANCH LIGHTING CIRCUITS

All branch lighting circuits, as shown on plans, that are to be installed or modified by the contractor unless otherwise shown shall be of No. 14B & S. gauge thermoplastic wire. Utility outlets in all cases shall be of No. 12 B. & S. Thermoplastic wire.

Each circuit must feed the outlets as indicated and if it becomes necessary to connect any outlets to a circuit other than the one shown on the plan, this shall be done without extra charge upon written instructions from the Engineer.

Location of Outlets

The approximate location of the fixtures and outlets to be installed, modified or repairs are given on the drawings. The exact locations of the outlets are to be determined on the site. All switches are to be installed to suit the doors.

The right is reserved to change the exact location of any switch, bracket, ceiling or other outlet in any room before same is installed, said changes to be at the option of the Engineer.

If an outlet is installed by the contractor in such location as to be out of proper relation to beams, walls or other details of the building construction, its location shall be corrected by and at the expense of the contractor under the direction of the Engineer.

Unless otherwise indicated, outlet boxes, etc., shall be located with their center lines at the following elevations:-

- Switch outlets in all rooms: 4' 0" above floor.
- Convenience Receptacle Outlets: 0' 3" above baseboard.
- Utility outlets in kitchen and laundry to be located to suit.

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

**PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA**

100R-6011

NOTE: (Utility outlet boxes in basements must be grounded).

Outlet Boxes

Provide and install at all outlets for electric lights and switches, pressed steel outlet boxes. Boxes are to be of approved design and construction and of such form and dimensions as required to serve the kind of fixture to be used and the number, size and arrangements of conduits or non-metallic cables connected thereto. The boxes and covers shall be of 1/16" stock and protected with a galvanized finish. Only such holes in boxes as are to be used for entering conduits or non-metallic cables shall be open: all other holes must be closed.

All outlet boxes shall be firmly anchored in place, and any unused boxes on the ceilings or walls shall be fitted with covers.

Toggle Switches

At each switch outlet, as indicated on plans, install a C.G.E. 484M or equal flush single pole, 10 ampere toggle switch with a plastic face plate, C.G.E. 4941 or equal. It is required that the switch plates shall entirely cover the opening left for the outlet box and that the switch plates be attached to the outlet boxes in an approved manner.

Where more than one flush switch occurs in any one location, same shall be arranged in gangs and covered with one face plate, all switches shall be so connected and installed that when the lever is up, the switch shall be in the "on" position.

WALL PLUG RECEPTACLES

At each wall plug receptacle outlet, as indicated on plans, install a flush duplex receptacle of the C.G.E. 454M or equal. Plastic face plates of the C.G.E. 4142 or equal shall be provided with each plug receptacle which shall be of the same form and finish as the face plates for switches.

CEILING OUTLETS

Each ceiling outlet, where marked on plans, is to be fitted with an outlet box receptacle of the approved type and correct diameter to cover the box on which it is installed.

FIXTURE SUPPORTS

At all fixture outlets, where ceiling or bracket, the contractor shall install an approved form of fixture support.

Where ceiling outlets occur between joists, the contractor shall provide frame work between joints.

FIXTURES AND FITTINGS WHERE EXCESSIVE MOISTURE, CORROSIVE LIQUIDS, OR VAPOURS ARE LIKELY TO BE PRESENT

These shall be all installed in accordance with Rule 3401, Section 34 of the B.C. Electrical Code.

FIXTURES

All existing fixtures shall be overhauled or replaced and erected by the contractor if necessary. The contractor shall erect all new fixtures and arrange his outlets to best advantage and provide ample fixture loops as specified elsewhere.

The new fixtures shall be of the type or equivalent as called up on the drawings.

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

POOR COPY

FIRE ESCAPE LIGHTING

(1) A V-series, vapour proof wall bracket type conduit, Crouse-Hinds type VF, or equivalent approved by the engineer, shall be mounted at a minimum height of 8'-0" above the level of the riser vertically below the unit.

EXIT LIGHTING

(1) A chain pendant with close up canopy and 6" diameter ruby exit globe, C.G.E. #5460, or equivalent approved by the engineer, shall be mounted on the ceiling over all fire exit doors or windows.

(2) A surface mounted exit indicating light, C.G.E. 3481 or similar approved by the engineer, shall be mounted on the wall in positions indicated on the accompanying plans.

Fire escape and exit lighting shall be on circuits used solely for these outlets. Wires shall be run in $\frac{1}{2}$ " rigid conduit, which may carry wiring for other circuits. These lights shall be supplied from the panels located on the respective floors as shown on the accompanying plans.

FIRE ALARM SYSTEM

(1) The fire alarm system shall be installed in accordance with the regulations governing the installation of fire alarm systems of the Fire Marshal Act and the B.C. Electrical Code.

(2) Edwards #227 Break glass switches and Edwards #340 fire alarm bells or equivalent approved by the engineer, shall be installed in positions as indicated on the plans.

(3) A bank of dry cell batteries sufficient to deliver 12 volts to the alarm system shall be installed in the main office on the ground floor of the main school building.

(4) The alarm system shall be run in $\frac{1}{2}$ " rigid conduit surface mounted on walls or ceiling as indicated on the plans.

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

**PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA**

POOR COPY

CLEANING AND PAINTING

During the progress of the work and on completion of same, the contractor shall remove from the premises all dirt, debris, rubbish and waste materials caused by him in performance of his work.

He shall remove all tools, scaffolding, and surplus materials after completion and acceptance of the work and paint all exposed conduit.

The entire job shall be turned over to the owners in a complete and satisfactory operating condition.

MANUFACTURER'S NAMES

The contractor shall submit with his proposal, a list of the materials on which his proposal is based. The list shall include the manufacturer's names and specific date on the following items:-

1. Multibreaker panel and disconnect switches.
2. Conduit.
3. Surface raceway.
4. Outlet boxes.
5. Wire.
6. Receptacles.
7. Lighting fixtures.

TENDER

The contractor shall submit his tender to show a break down of the cost for the distribution system and individual buildings.

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

**PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA**

POOR COPY

MODIFICATION AND RENEWAL TO THE
ELECTRICAL SYSTEM AT ST. GEORGE'S
INDIAN RESIDENTIAL SCHOOL,
LYTTON, B.C.

- - - - -

General Conditions:

The entire electrical installation shall be made in accordance with the rules and regulations pursuant to the Electrical Energy Inspection Act for the Province of British Columbia. The requirements of this specification and plans are the minimum that will be accepted.

In General:

The contractor shall furnish all materials, labour and equipment for the electrical work on the above-mentioned system, all located on the grounds of the St. George's Residential School at Lytton as shown on the accompanying plans 106 Plates 1 - 9 inclusive and hereinafter specified.

Scope of Contract:

The specifications and accompanying plans are intended to provide for the complete installation of:-

- (1) A 2300V three phase supply line, a 2300V single phase primary distribution system and a 115/230V secondary network, all as shown on plan 106 Plate 1.
- (2) The power and light service installations for the school and surrounding buildings are to be modified as shown on the relative drawings and as described in this specification.
- (3) The electric light and power wiring systems from the thermal trip breaker panels in the buildings are to be modified in order to adequately supply the new fixtures and equipment.
- (4) Replace all damaged existing fixtures and make repairs and modifications to conduits and splices in wires and drop cords as necessary to make the existing systems which are to be utilized to conform with the B.C. Electrical Code requirements.
- (5) Install fire escape lights, exit lights, and a fire alarm system as hereinafter specified and shown on attached drawings.
- (6) Each new system and modification to the existing system is to be installed complete in every respect, including all the necessary fixtures and is to be left in perfect operating condition ready for the owner's use, serving all portions of the buildings as intended.

Permits and Fees:

The contractor shall obtain at his own expense all permits for his work and shall pay any lawful charges for inspection or tests.

Drawings and co-operation:

The plans forming part of this contract cover, together with the specifications, the work that is to be done. In case of discrepancy in drawings, the contractor shall submit same to the E. & C. Service of the Indian Commissioner's Office in Vancouver for adjustment. No deviation from drawings will be permitted without written permission from the Indian Commissioner's office in Vancouver.

Materials and Workmanship:

All materials shall be new and of the quality specified. Where
more

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

more than one make or quality is specified, the contractor shall notify the E. & C. Service of the Indian Commissioner's Office in Vancouver which make and kind of material he intends using.

The contractor shall employ men skilled in the work they are to do. All workmanship shall be of the best and all work shall be installed in accordance with the best practices of the trade involved. All apparatus and materials used in this work which are subject to approval by the Canadian Standards Association shall bear the C.S.A. number of approval.

Testing and Inspection:

The contractor shall notify the E. & C. Service of the Indian Commissioner's Office, in writing, that the work is ready for inspection at such time as will permit of inspection being made before any work or portion thereof is liable to be concealed.

When the contractor reports, in writing, that the installation is completed and ready for acceptance, an operation test shall be made by the contractor in the presence of a representative from the E. & C. Service to ascertain whether it complies with the specifications and contract. Should it fail to do so, the contractor shall at once remedy all defects. The contractor shall have a representative present during all tests. Final acceptance by the E. & C. Service will be given within ten days after completion and final tests if the installation is found to comply in all respects with the specification and plan.

A Guarantee:

The contractor shall furnish a guarantee covering all labour and material for a period of one year from the date of final acceptance of his work and shall agree to repair and make good, at his expense, any and all defects which may develop in his work during that time, if, in the judgment of the E. & C. Service such defects arise from defective workmanship or materials.

Electrical Current:

2300V 60 cycle three phase current will be obtained from the local power company at a point about 600' distant from the main school building, where a pole top disconnect switch is to be installed.

Metering:

The contractor is to install the following meters in conjunction with the B.C. Electric Power Company:-

Main School Building, Church, Manual Training Building and Cannery.

The metering of the single phase three wire lighting power and the three phase motor power for the above-mentioned buildings shall be accomplished by two meters, located in the main school building.

Farm Buildings

The metering of the single phase three wire lighting power supplying these buildings shall be accomplished by a meter connected to the secondary side of a pole mounted transformer supplying these buildings.

Staff Residences

The five residences shall be fitted with individual outside mounted meters.

Outside Distributing System:

/General:

Poor Copy

General

The contractor is to erect and install an outside primary distribution system with a secondary network, and service wires as shown on Plate I of Plan 106. The British Columbia Electric Power Company will supply the transformers and make the necessary installation and connections for the transformers at the poles upon which they are mounted. This entire system is to be installed in a manner to conform with the rules for the construction of overhead electric lines in British Columbia, passed by Order in Council under the "Electrical Energy Inspection Act" 1922.

Poles:

The poles are to be winter cut and conform to Class "B" specifications of the B.C. Electric Power Company's Code. Each pole must be given a good brush coat of creosote on the butt, for a distance of seven feet from that end.

Poles supporting both primary and secondary feeders are to have a minimum length of 40 feet and those supporting the secondary feeders alone are to be not shorter than 35 feet.

Setting of Poles:

In normal firm ground the poles must be set to a depth of 6 feet and 5 1/2 feet respectively according to their length.

In digging and excavating pole holes, as little material as possible in excess of that necessary to admit and erect the pole is to be removed or disturbed. The diameter of holes dug in earth must be the same from top to bottom and sufficiently large to permit the use of a tamping bar on all sides of the pole.

Poles are to be set to stand perpendicular when the line is completed so that no pole is more than 2" out of line with the others. Poles at line terminals, angles and other points of abnormal stress are to be given a slight rake against the direction of the stress. Poles with a bend are to be placed with the bend in the direction of the line.

In straight runs alternate poles are to be set facing in opposite directions. Poles next to corner poles are to face the corner. Poles next to end poles are to face the end of the line.

After a pole is in position, only one shovel is to be used in filling the hole, while three tampers continually tamp until the hole is completely filled. When available, small size rocks should be used in the filling.

Guying:

Guys are to be installed wherever the wires tend to pull a pole or cross-arm out of place and when installed are to take up all of the strain so that the pole acts merely as a strut. The only exception to this rule is to be for angles up to ten degrees, when poles which carry not more than 4 No. 6 wires or 3 No. 4 wires are to be raked and the ordinary straight line construction used.

Line Grading:

The length of the poles, if possible, is to be so proportioned to the contour of the ground that the difference between the level of the wires on adjacent poles shall not change by more than 10 feet.

Ground Clearance of Secondary Distribution Lines:

These lines shall have a minimum clearance of 20 feet to ground at the poles and no less than 18 feet to ground at any point over their span lengths.

Racks:

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Racks:

All secondary distribution and service connection wires are to be supported on the poles by racks to give 8" spacing between conductors. The racks should be attached to the poles by means of a 5/8" through bolt at the top and a 1/2" lag screw at the bottom as long as no service feeders are attached, in which case 5/8" through bolts must be used at both points of attachment.

Primary Distribution Lines:

The existing supply wire is to be utilized for the primary distribution lines which will be carried on crossarms.

Secondary Distribution Lines:

These lines are to be #4 Medium Hard Drawn Double Braided Weather Proof Wire.

Transformers:

The transformers are to be of capacities as shown on Plate 1. Each transformer is to be protected by two expulsion cutouts fused appropriately adequately grounded, and mounted on the poles located on the above-mentioned drawing.

Clearance to Buildings:

The distribution lines are to be not less than five feet in a horizontal direction or eight feet in a vertical direction from any window, balcony or other part of any building.

Service Conductors:

The minimum size for the service conductors to the homes or other buildings is to be #6 Double Braided Weather Proof wire supported at the structure at a distance of not less than 15 feet from the ground level or sidewalk by end connectors.

Service Drops:

The service drops in all the outlying buildings, other than the Manual Training Building are to be No. 8 Thermoplastic-covered single braided wire carried in a 3/4" galvanized conduit. Those in the Manual Training Building and Church are to be installed as shown on the plans. The service entrance cables are to be equipped with an approved rain type service head. Drip loops are to be formed on each conductor and a minimum of 30" left for splicing.

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Vancouver, B. C.,
1 June 1950

Memorandum to Mr. Arneil:

Re: Modification and Renewal to the Electrical
System - St. George's Indian Residential
School, Lytton, B. C.

Introduction

In accordance with your instructions, I visited St. George's Indian Residential School on November 2nd, 1949, to inspect the electrical system at the school and obtain sufficient information to draw up plans to improve the lighting in the class rooms and also bring the entire system up to date to meet the requirements of the B. C. Electrical Code.

General Existing Conditions

- (1) The illumination in the class rooms, sewing room, manual training shop, kitchen, etc., was entirely inadequate.
- (2) The electrical distribution system to the main school and adjacent buildings is in poor condition, since the poles are badly decayed, and should be replaced.
- (3) The service entrance panels in all buildings are ungrounded.
- (4) The wire and conduit runs in the farm buildings in most cases are partially pulled down and many of the existing fixtures broken.
- (5) The wiring runs in the staff homes are in poor condition, the fixtures inadequate and not installed in accordance with B.C. Code requirements.
- (6) The staff rooms in the main school building have no utility outlets. At present, drop cords in most cases have been connected to the ceiling fixtures in a precarious manner.

In general, the entire system is in poor condition and requires many modifications. With this in mind, the attached specification and plans have been drawn up to bring the installation up to first class shape.

Proposed Alterations

Main Supply Distribution System

To be rebuilt and modified as shown on the attached plans.

Main School Block

- (1) New light and power service boxes and installations to be installed to feed the main school building, manual training building, and Church.
- (2) New multi-breaker panels to be installed to feed all circuits.
- (3) Fluorescent lights to be installed in class rooms, sewing room, staff dining room, scullery and kitchen.
- (4) Utility receptacles to be installed in the staff quarters.
- (5) Domestic purpose receptacles to be installed in laundry and sewing room.
- (6) Any existing fixtures in disrepair to be repaired or replaced.
- (7) Wiring is to be run in $\frac{1}{2}$ " conduit using #14 gauge Thermoplastic wire except as shown on plans.

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

**PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA**

(8) Fire escape and exit lighting, and fire alarm system shall be installed as hereinafter specified.

(9) The entire system to be modified to conform with the B.C. Electrical Code requirements.

Manual Training Building

- (1) New light and power service box assemblies to be installed.
- (2) New multi-breaker panels to be installed to feed all circuits.
- (3) Fluorescent lights to be installed in the class room and manual training room.
- (4) Utility outlets and motor outlets to be installed as shown on plan. All permanent motors to be solidly connected.
- (5) Any existing fixtures in disrepair to be repaired or replaced.
- (6) Single phase circuits to be run with #14 ga. wire except as shown on plans.
- (7) The entire system to be modified to conform to the B.C. Electrical Code requirements.

Church Building

- (1) Multi-breaker panel to be installed to feed all circuits.
- (2) Lamp holders to be replaced in basement outlets.
- (3) Any existing fixtures in disrepair to be repaired or replaced.

Farm Buildings and Teachers' Residences

(1) Each of the above-mentioned group of buildings is to be provided with a new service entrance installation with multibreaker panel.

The following is a list of the buildings with a general resume of the work required to bring their electrical installations to satisfactory standards.

For full details see appropriate plans attached to this report.

Cannery

To be completely rewired in conduit with water-tight fixtures. Juicer to be wired with R.W. or T.W. wire.

Blacksmith Shop

To be almost completely rewired in conduit.

Root House

To be completely rewired in conduit using R.W. or T.W. wire.

Dairy Building

- (1) Service entrance and multi-breaker panel to be installed.
- (2) Water-tight switches and one water-tight receptacle to be installed. R.W. or T.W. wire to be used.
- (3) Water-tight lamp holders to be repaired or replaced.

/Dairy Office

Poor Copy

Dairy Office

To be completely re-wired in non-metallic sheathed cable.

Pig Barn

To be completely wired in conduit with water-tight fittings, and R.W. or T.W. wire.

Granary

To be completely re-wired.

Horse Barn

- (1) Service entrance and multibreaker panel to be installed.
- (2) Water-tight switches and light fixtures to be installed. R.W. or T.W. wire to be used.

Dairy Barn

- (1) Service entrance and multi-breaker panel to be installed.
- (2) Water-tight fixtures installed throughout, and R.W. or T.W. wire to be used.
- (3) Existing conduit requires additional supporting brackets.
- (4) Compressor motor requires connecting.

No. 1 Chicken House

- (1) Service entrance and multibreaker panel to be installed.
- (2) Switches and lamp holders to be overhauled.

No. 2 Chicken House

To be completely re-wired in non-metallic sheathed cable.

Staff Residences (4)

- (1) Service entrance and multibreaker panels to be installed.
- (2) Utility outlets to be installed and wired with #12 ga. wire.
- (3) Most of the homes will have to be considered as being entirely re-wired since the fixtures, switches and connections are in such poor condition that it will take as much time to modify the electrical system in these homes as it would to completely re-wire them.

METERING

Main School Building, Church, Manual Training Building, and Cannery

The metering of the single phase three-wire lighting power and three phase motor power for the above-mentioned buildings will be accomplished by two meters, one for each supply.

Farm Buildings

The meterings of the single phase three-wire lighting power on these buildings will be accomplished by a meter connected to the side of a pole mounted transformer supplying these buildings.

Staff Residences

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Poor Copy

Staff Residences

Each residence will be fitted with an outside mounted meter.

Rates

The Residential School is presently supplied with electric power by the Lytton Electric Company which will be taken over within two months by the B.C. Electric Power Company.

The B.C. Electric Power Company has not definitely set its rates for diesel generated electric power in this territory. However, tentatively it is expected the rates charged to the school will be approximately as given below:-

Lighting and 230V Single Phase Power - Commercial Rate

0 - 1000 K.W. @ 6.5¢ per K.W. Hr.
1000 - 2000 K.W. @ 4.5¢ per K.W. Hr.
2000 - @ 2¢ per K.W. Hr.

Three Phase 220V Power

0 - 300 K.W. @ 5¢ per K.W. Hr.
300 - 0 @ 2¢ per K.W. Hr.

Domestic Rate for Homes with Individual Meters

0 - 30 @ 6.5¢ per K.W. Hr.
30 - 230 @ 2¢ per K.W. Hr.

Recommendations

It is recommended that the work suggested above be carried out this summer as outlined in the accompanying plans and specifications to eliminate the fire hazard which presently exists and provide the class rooms and staff accommodation, etc., with modern light and power facilities when the school re-opens in the fall term. To initiate this project, tenders should be obtained in the near future from several reliable electrical contractors.

Thomas A.G. Beeching
Thomas A.G. Beeching, B.A.Sc., E.Eng.

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

DEPARTMENT OF CITIZENSHIP AND IMMIGRATION
INDIAN AFFAIRS BRANCH

MEMORANDUM

re

Modification and Renewal to the Electrical System

St. George's Indian Residential School

Lytton, B. C.

by

Thomas A. G. Beeching, B.A.Sc.

**W. S. Arneil, Esq.,
Indian Commissioner for B.C.,
Vancouver, B. C.**

**Vancouver, B. C.,
1 June 1950**

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

**PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA**

POOR-COPY



DEPARTMENT OF CITIZENSHIP & IMMIGRATION - INDIAN AFFAIRS BRANCH
VANCOUVER, B. C.

Surveys	Location of St. George's Residential School Lytton, B. C. Lytton Agency	Report No. <u>1127</u>
Plan		Corres. file <u>24708-22B</u>
Checked		Date <u>June 1, 1950</u>
Traced		Scale
Approved		PLAN No.

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

POOR COPY

INDIAN COMMISSIONER
BRITISH COLUMBIA



INDIAN AFFAIRS BRANCH

IN YOUR REPLY REFER TO

No. 24708-22B
Also to date of this letter

DEPARTMENT OF CITIZENSHIP AND IMMIGRATION

PLEASE QUOTE

FILE.....

P.O. BOX 70
Vancouver, B.C.

June 13, 1950

Memorandum to Mr. Arneil:

Re: Modification and Renewal to the Electrical
System - St. George's Indian Residential
School, Lytton, B. C.

Enclosed are four copies of a memorandum dated
1 June 1950 covering the above mentioned proposal.

We recommend that the work outlined in the
memorandum be carried out this summer in order to eliminate
the fire hazard which presently exists at the school and
also provide the class rooms and staff accommodations, etc.,
with modern light and power facilities. This work, it would
seem, should preferably be carried out prior to the reopening
of the school in the fall.

Mr. Robinson and I felt it would be unwise to
attempt to estimate the cost of this project since it is
largely an overhaul job. For this reason, it would be more
satisfactory to issue invitations to tender for the job to
several reliable electrical contractors in this neighbourhood.

Thomas A. G. Beeching

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

POOR-COPY

INDIAN COMMISSIONER
BRITISH COLUMBIA

INDIAN AFFAIRS BRANCH



888-5

IN YOUR REPLY REFER TO

No. 165/6-1-888
Also to date of this letter

DEPARTMENT OF CITIZENSHIP AND IMMIGRATION

PLEASE QUOTE

FILE.....

P.O. BOX 70
Vancouver, B.C.

June 13th, 1950.

AIRMAIL

[Handwritten signature]



20227

INDIAN AFFAIRS BRANCH,
Department of Citizenship & Immigration,
Ottawa, Ontario.

With reference to Mr. Neary's letter of March 19th, 1949, regarding the electric wiring at St. George's Residential School, in order that we might have some idea on the extent of the work required and so that we could indicate to the Electrical Contractor exactly what was necessary, we arranged with Mr. Webb to have an Engineer investigate and report.

It is apparent from the attached Memorandum, in duplicate, by Mr. T.A.G. Beeching, that the entire system is in poor condition, and requires many modifications and the work will be quite costly. It is also apparent that the present wiring constitutes a definite fire hazard.

Will you please advise if there is any possibility of funds being made available this year for this work and if so, if it will be in order for us to approach Electrical Contractors for Tenders.

-MG
Enc.



[Handwritten signature]
W.S. ARNEIL,
Indian Commissioner for B.C.

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

**PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA**

POOR COPY

888-5 (E1)

AIR MAIL

June 26th, 1950.

Mr. W.S. Arneil,
Indian Commissioner,
P.O. Box 70,
Vancouver, B.C.

Re: St. George's Indian Residential
School. Your File 165/6-1-888

We are in receipt of your letter of the 13th instant, enclosing memorandum in connection with modification and renewal of the electrical system at the above school.

If all the work suggested in the memorandum is carried out, we presume it will involve a considerable sum. No funds were specifically provided in the current year's appropriation for renewing the electrical system at this school, and in view of the expenditure which has been authorized for the domestic water system, funds at our disposal are not sufficient to provide the total amount that might be required.

We have approximately \$2,000.00 available which we could use for repairs to the electrical system which are especially urgent.

Funds to carry out the rest of the work required could be included in the 1951-52 Estimates.

Please refer the matter again to Mr. Beeching and let us hear further from you.


Bernard F. Neary,
Supt. of Indian Education

PP/ST

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

**PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA**

POOR-COPY

[Handwritten scribble]



888-5

Rev. Canon C. F. Hives
Principal

June 21, 1950

Lytton, B. C.

Dear Mr Arneil:

I hate like everything bothering you; for I know you will be busy up there. But perhaps you could find time to plead my cause a little in respect to a few wants we look upon as urgent.

831
cl

The Department bought us a ~~farm~~ truck in April 1939. It is hardly necessary for me to tell you that after running on these roads in this part of the country for eleven years, it is just a bill of expense to us. And yet, we cannot do without it. For we must use it for hauling coal from station, three miles away, and for hauling wood fuel from Lot 47, eight miles away. As well as using it for other freightage. Will you please see if you could place this urgent matter before them there, and get us a ~~new~~ two ton truck of some reliable make, with a twelve foot body on it. We cannot do anything in the matter of buying one ourselves; for it takes everything to buy the bare necessities of life; and yet, this present vehicle is unsafe on these roads, and is costing us too much in the way of repairs.

all

While the pupils are out, I would like to do some painting and repair work to the interior of the building. We need paint \$400.00, Lumber for lockers \$150.00 and Hardware for locker hinges etc. \$50.00.

Our weather is hot, but we are doing alright. The Fraser stnds steady at quite a high level. But it has been about the same level for some days, so we are hopeful of it not going any higher.

With kindest regards to yourself, the Major. Mr Phelan, and Col. Neary.

I am, Yours sincerely,

Chas. F. Hives
Principal.

Mr. W.S. Arneil,
Commissioner of Indians for B.C.

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

POOR-COPY

AIR MAIL

June 29th, 1950.

Mr. W.S. Arneil,
 Indian Commissioner,
 P.O. Box 70,
 Vancouver, B.C.

Re: St. George's Indian Residential School

We have considered the contents of Canon Hives' letter of June 21st which you left in our office on the occasion of your recent visit.

It is not the practice of the Department to purchase a truck for use at a residential school. Consequently, no funds for this particular purpose were included in the current year's appropriation. However, there is an amount of slightly over \$800.00 in the New England Company account at the present time, and we are prepared to forward this to the Principal, and if he so desires he can use it as the first payment on the cost of the new truck. Of course, the balance of the cost will have to be paid from school funds.

Please let me know if Canon Hives agrees with our proposal, and if so, we will forward a cheque for \$800.00 to him.

We approve local purchase of the lumber for lockers in an amount not exceeding \$150.00 and hardware for locker hinges in an amount not exceeding \$50.00.

Please have the Principal forward a requisition for the paint required. It is understood that the cost of the paint required must not exceed \$400.00.


 Bernard F. Neary,
 Supt. of Indian Education

PP/ST

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

888-5 (E1)

RETURN OF LABOUR on the St. George's Indian Residential School on Reser
Water Supply System
 Period for week ending June 15 to 30

NAMES	Nature of Employment or Trade Number of Horses	FROM TO		No. of Hours	Monthly Wages Hourly Rate	Gross Salary	DEDUCTIONS			Net Salary	U.I. Employer Share	RECEIVED PAYMENT	WITNES
		June	June				U.I. Employee Share	Income Tax	Other				
Issacs, Walter	Indian Labourer	20	30	75	.75	Brought forwd. 56.25				56.25		K 34292	
Spike, Thomas	"	20	30	73	.75	54.75				54.75		34293	
Spike, Harry	"	20	30	62	.75	46.50				46.50		34294	
Jim, Louie	"	26	30	40	.80	32.00				32.00		34295	
Florence, Jim	"	27	30	32	.75	24.00				24.00		34296	
Dunstan, Harvey	"	28	30	24	.75	18.00				18.00		34297	
Spinks, John	"	28	30	24	.75	18.00				18.00		34298	
Henry, Frank	"	28	30	24	.75	18.00				18.00		34299	
Wells, Roy	"	28	30	24	.75	18.00				18.00		34300	
Munro, Oliver	"	28	30	24	.75	18.00				18.00		34301	
Eustace, Norman	"	29	30	16	.75	12.00				12.00		34302	
McIntyre, Donald	"	29	30	16	.75	12.00				12.00		34303	
TOTAL										327.50			

Cheque No.
 Balance

Vote 516-13-493
 Proj. No. 165-516(1)
 Allotment

Agency.....
 E.R.....

I hereby certify that the services have been performed, materials supplied, and prices are fair and just.

G. J. Bowen

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

**PUBLIC ARCHIVES
 ARCHIVES PUBLIQUES
 CANADA**

DEPARTMENT OF MINES AND RESOURCES

REQUISITION FOR SUPPLIES

July 18th, 1950.

To The Departmental Purchasing Agent, Ottawa,

This space for use of Head Office only

Requisition No.

Order No.

Please furnish the following Supplies for use of St. George's Residential School, Lytton Agency

Vote 516 Primary 10 Object 693 Date Required

Ship to Upon instructions of Mr. D.M. Hett, Indian Supt., Lytton, B.C.

Mail Invoices to Mr. D.M. Hett, Superintendent, Indian Agency, Lytton, B.C.

Purpose for which required Maintenance of buildings - St. George's Residential School

Quantity		Unit Price	TOTAL
10	Gals. Surfacer		
3	" Semi-Gloss Enamel (#1210 Forgetmenot)		
5	" " " " (#1201 Cameo Ivory)		
15	" " " " (#1200 White)		
10	" Flat Wall Paint (#2110 Balkan Blue)		
10	" " " " (#2109 Galway Green)		
10	" " " " (#2101 Indc-Ivory)		
10	" Thinner		
15	" Floor Varnish		
2	2 1/2" Brushes		
2	3 1/2" "		
1	6" Kalsomine Brush		
Total cost approximately -			<u>\$375.00</u>
(N.B. colours and catalogue numbers are from General Paint Corporation, Vancouver)			

I hereby certify that I have personal knowledge that all the above articles are required in the Department and for Departmental purposes only. The expenditure required by this requisition is strictly unavoidable and the public interest will suffer if it is not made.

SIGNED— *W.S. Arneil*
 W.S. Arneil,
 Indian Commissioner for B.C.

APPROVED—
 Director

- (1) Group requisitions for equipment, supplies, and material according to commodity, i.e. books, stationery, printing, electrical goods, hardware, machinery, provisions, transportation equipment, etc.
- (2) Avoid issuing requisitions for one item only, except in cases of emergent necessity.
- (3) Furnish exact details of product required.

Form 37

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

PUBLIC ARCHIVES
 ARCHIVES PUBLIQUES
 CANADA

888-5

DEPARTMENT OF MINES AND RESOURCES

REQUISITION FOR SUPPLIES

July 18th, 1950.

To The Departmental Purchasing Agent, Ottawa,

This space for use of Head Office only

Requisition No.

Order No.

Please furnish the following Supplies for use of St. George's Residential School, Lytton Agency

Vote 516 Primary 10 Object 693 Date Required

Ship to Upon instructions of Mr. D.M. Hett, Indian Supt., Lytton, B.C.

Mail Invoices to Mr. D.M. Hett, Superintendent, Indian Agency, Lytton, B.C.

Purpose for which required Maintenance of buildings - St. George's Residential School

Quantity		Unit Price	TOTAL
10	Gals. Surfacer		
3	" Semi-Gloss Enamel (#1210 Forzetmenot)		
5	" " " " (#1201 Cameo Ivory)		
15	" " " " (#1200 White)		
10	" Flat Wall Paint (#2110 Balkan Blue)		
10	" " " " (#2109 Galway Green)		
10	" " " " (#2101 Indo-Ivory)		
10	" Thinner		
15	" Floor Varnish		
2	2 1/2" Brushes		
2	3 1/2" "		
1	6" Kalsomine Brush		
Total cost approximately -			\$375.00
(N.B. colours and catalogue numbers are from General Paint Corporation, Vancouver)			

I hereby certify that I have personal knowledge that all the above articles are required in the Department and for Departmental purposes only. The expenditure required by this requisition is strictly unavoidable and the public interest will suffer if it is not made.

SIGNED—

 W.S. Arneil,
 Indian Commissioner for B.C.

APPROVED—

 Director

- (1) Group requisitions for equipment, supplies, and material according to commodity, i.e. books, stationery, printing, electrical goods, hardware, machinery, provisions, transportation equipment, etc.
- (2) Avoid issuing requisitions for one item only, except in cases of emergent necessity.
- (3) Furnish exact details of product required.

Form 37

Indian Affairs (RG 10 Volume 6465, file 888-5, part 8)

PUBLIC ARCHIVES
 ARCHIVES PUBLIQUES
 CANADA

