



Northern Pacific Railway Company.
Engineering Department Records.

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N. P. 1757
6-24

OFFICE OF CHIEF ENGINEER

FILE NO. 12701

SUBJECT:

BRUCE - New depot

12701

12701

OFFICE OF
CHIEF ENGINEER

OCT 19 1967

NORTHERN PACIFIC RY. CO.
ST. PAUL, MINN.

Seattle, Washington
October 16, 1967

Orofino - Gen'l.

Mr. D. H. Shoemaker:

Attached find print of sketch which is dated this office, October 16, 1967 covering the new depot at Orofino, Idaho. You will note on the sketch that the plan dated October 16, 1967 is an exact duplicate of the depot at Bruce, Washington, except as shown.

Mr. Harwood is requesting an estimate and prints in order to submit RFA, and Mr. Lorentzsen has requested this office to prepare same.

Will you please have the matter reviewed by the Architect's office and furnish print of sketch to cover the proposed facility.

J. E. Horning
Assistant Chief Engineer

JEH:dj
Att.

Acc: Pk. Lander
10/19

R B
Figure Metal Bldg
instead of frame

June 29, 1966

12701

Anaconda Forest Products Company
Glulam & Structural Components Dept.
Drawer 2
Bonner, Montana 59823

Attention: Mr. Thomas J. LaVelle

Dear Mr. LaVelle:

We have been criticized, because in the building we purchased from Mission Homes, Division of Rother Lumber Company, for the depot at Bruce, there was an unsightly joint across the end of the building as separate pieces of plywood were used to fill in above the height of eight feet.

Please advise, if in our future orders from your company, we can expect interior finish panels to run the full height of the end walls without splicing.

Very truly yours,

A. C. CAYOU
Architect

ACC:bm

OFFICE OF
CHIEF ENGINEER

JUN 28 1966

NORTHERN PACIFIC RY. CO.
ST. PAUL, MINN.

On Line, June 27, 1966

12701

Mr. W. R. Bjorklund:

At the new depot at Bruce you apparently ordered 8' long panels which required splicing at the ends where the wall height was greater than 8'. There is no doubt you saved a little money by not ordering 12' panels. However, it is a really nice job but the interior is spoiled because there is a joint clear across the end of the building which looks as if somebody forgot something.

Please discuss.

DHS/jwm

cc: Mr. A. C. Cayou

Acc
Write Mary Co.
do not do again
6/29

Prefer 12' from
Anacosta Street (old
William Home)
6/29

Acc?
6/28

12701

On Line, June 27, 1966

Mr. W. R. Bjorklund:

At the new depot at Bruce you apparently ordered 8' long panels which required splicing at the ends where the wall height was greater than 8'. There is no doubt you saved a little money by not ordering 12' panels. However, it is a really nice job but the interior is spoiled because there is a joint clear across the end of the building which looks as if somebody forgot something.

Please discuss.

DHS/jwm

D. H. SHOEMAKER

cc: Mr. A. C. Cayou

Advised
FLS
9/1

On Line, August 31, 1965

Mr. W. R. Bjorklund:

I want to talk with you about the seven-day
clock you installed in the Bruce depot for controlling
the electric heating.

DHS/jwm

W. R. Bjorklund

\$3500 -

Enumerated. Comb. Fuel House
first suggested by FLS

12701

On Line, August 31, 1965

Mr. W. R. Bjorklund:

I want to talk with you about the seven-day clock you installed in the Bruce depot for controlling the electric heating.

DHS/jwm

D. H. SHOEMAKER

DESK MEMORANDUM

Discuss with Mr. Steinbright.

St. Paul, Minnesota
May 27, 1965

~~5219-5~~ See file 3880
12701

Mr. F. L. Steinbright:

We have a copy of your letter of May 25 to Mr. D. C. Hill, your File 1245-14, concerning use of aluminum versus galvanized iron conduit at Bruce, Washington.

The files indicate that this was first suggested to the Electrical Department, with copies to Messrs. Cannon and Jensen by Mr. Smallridge under his letter of May 25, 1959, File 2-3-351-1, drawing attention to the lighter, easier to work, and less costly aluminum conduit as compared with steel.

Subsequently, the then Electrical Engineer Sorenson wrote Mr. J. A. Cannon suggesting that various sizes be stocked at Brainerd, Livingston, and South Tacoma for use by the Electrical Department.

In the particular case at Bruce, the Communications Department marked up one print of our layout map in "red" and showed the particular conduit in question as "approximately 85 feet, Communications conduit, 1-1/2" to pole". No mention was made as to whether galvanized iron or aluminum was preferred. Actually the conduit in question was requisitioned under ED-557 by the Electrical Department and approved in this office specifies 1-1/2" aluminum rigid threaded with coupling. This material was installed by the Electrical Department as they have trenching equipment available for such installations. I am advised that the aluminum conduit has been used more or less generally since the correspondence in 1959 and that there have been no objections raised over the past six years until the occurrence at Bruce.

We understand that there is a difference of opinion as to why the difficulty occurred at Bruce; one, of which was the size of the cable which was being placed within the 1-1/2" conduit.

The Engineering Department has no specifications or instructions issued concerning relative merits of aluminum versus galvanized iron. We did not indicate any bends in this particular conduit, merely indicating the general direction out of the building to a pole. There were, of course, the bends at the Depot and the pole end of the conduit to bring it out of the ground. As we understand it, other divisions specify larger conduit for the particular installation in question, and in addition utilize wire pulling compound and nylon rope to assist in such installations.

Mr. F. L. Steinbright

-2-

May 27, 1965

I am giving a copy of this to Messrs. Cannon and Musolf so that they will understand that the Communications Department desire the galvanized iron conduit for the communications work.

D. H. SHOEMAKER

WRB:cv

Chief Engineer

cc: Mr. D. C. Hill
Mr. J. A. Cannon
Mr. E. L. Musolf
Mr. A. C. Cayou

12701

OFFICE OF
CHIEF ENGINEER

MAY 27 1965

NORTHERN PACIFIC RY. CO
ST. PAUL, MINN.

St. Paul, Minnesota
May 26, 1965

14-Bruce

Mr. D. H. Shoemaker:

In letter dated May 3, Mr. Steinbright questioned a \$330 overrun in connection with our portion of the work in constructing the new depot at Bruce, Washington, AFE 170-64. I replied to him in my letter of May 24 on this subject to the effect that where we had indicated a straight run of conduit from the cable pole to the depot, aluminum conduit had been installed. While our plan does not show that we specified galvanized iron pipe, this has always been our specification and I do not understand why it has been changed so that aluminum conduit has been installed.

At any rate, I am attaching copy of my letter of May 24 on this subject so that your file will be up-to-date on this particular matter.

If any instructions have been issued by the Engineering Department to the effect that aluminum conduit should be placed wherever the Communications Department requires conduit on projects such as this, such instructions should be rescinded.

Will you kindly advise any information you may have on the matter.

Attach.

T. E. Shie
5/27/65

St. Paul, Minnesota
May 24, 1965

14-Bruce —
18-Material

Mr. F. L. Steinbright:

Kindly refer to your letter May 3, file 1245-14, regarding overrun which occurred in connection with this department's work under AFE 170-64 covering construction of the new depot at Bruce, Washington.

At the time we submitted our drawing and estimate for our portion of the material and labor on this project we indicated that an underground conduit should be installed on a straight line from the cable pole to the depot, and if you will recall, we have always used galvanized iron pipe for this purpose. When my people attempted to pull a cable through the conduit which had been installed by another department, it was found to be an impossibility due to the fact that an aluminum conduit had been placed with several bends in it, making it necessary to dig up this conduit and replace it with galvanized iron pipe.

Our estimate submitted to the Engineering Department was \$190 material and \$155 labor for a total of \$345. Our actual cost was \$235.20 material and \$488.34 labor for a total of \$723.54, indicating an overrun of \$333.34 on labor because of the trouble we had with the conduit.

I did not personally approve this overrun before the work was completed, but I think you will agree the circumstances were such that the Supervisor in charge had no alternative but to make the changes necessary in order to complete our portion of the work.

Investigating this matter further, I find that we have run into additional labor costs on similar installations of this type at other locations because of the use of aluminum conduit, and while I have not as yet seen any instructions, I understand that our Engineering Department specifies aluminum conduit for use by the Communications Department for lateral cable runs. If such instructions have been placed by our Engineering people it was not with our approval, and I am writing Mr. Shoemaker about this matter.

D. C. Hill

DCH/kr

St. Paul, Minnesota
November 13, 1964

12701

Mr. J. E. Hoving:

Your letter dated October 30th, Bruce - General, with Superintendent King's letter of October 26th and Mr. Lorentssen's letter of October 29th relative to awnings or sun screens over the bay windows in west side window of the new station building at Bruce, Washington:

I agree with Mr. King's suggestion in the third paragraph of his letter that nothing be done for the time being, but if it is determined that venetian blinds and window shades are not satisfactory, that "KoolShade" sun screens be installed.

Plans for plumbing should be considered as more or less diagrammatic and actual piping should be located where most convenient; however, we will pay more attention to location on future plans.

D. H. SHOEMAKER

ACC:ic

Chief Engineer



N. P. 1386
12-24

TELEGRAM—BE BRIEF

TIME FILED

12701

M.

St. Paul, Minnesota
Nov. 3, 1964

D.H.King, Spokane

To eliminate water hammer and shock on water lines now being experienced at Bruce suggest purchase and installation of Clayton pump control valve as recommended by Fairbanks

Morse Co. to Mr. Wold. JLG-31.

J L GOSS 11:55 AM

JLG:men

12701

OFFICE OF
CHIEF ENGINEER

NOV 2 1964

NORTHERN PACIFIC RY. CO
ST. PAUL, MINN.

Seattle, Washington
October 30, 1964

Bruce - Gen.

Mr. D. H. Shoemaker:

I am forwarding copy of Superintendent King's letter of October 26 to Mr. Lorentzsen, together with copy of Mr. Lorentzsen's letter to me of October 29, relative to awnings or sun screens over the bay window and west side window of the new station building at Bruce, Washington.

I would appreciate it if you would advise your comments as to reply that should be made to Mr. Lorentzsen concerning suggestions for the problem involved.

Your attention is called to the last paragraph of Superintendent King's letter about piping in the toilet room and the comment relative to his suggestions about future installations to place the valves and piping in the most desirable location from the standpoint of appearance.

J. E. Horning
Assistant Chief Engineer

JEH:dj
Attmts.

cc: R. G. Brohaugh - w/attmts.

Acc
RB
SM
Pls review
comment
11/4

Bruce. Gen.

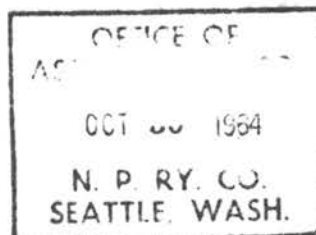
Seattle, Washington
October 29, 1964

Mr. J. E. Hoving:

Attached is copy of Superintendent King's letter October 26, about placing aluminum, metal awnings or sun screens over the bay window and west side window of the new station building at Bruce and with particular reference to the second and third paragraphs.

Please let me have any suggestions you have to offer concerning this problem.

N M Lountzen



2224-1

Spokane, Washington
October 26, 1964 - K

File AFE 170-64

Mr. N. M. Lorentzen:

Referring to our inspection of the new station building at Bruce constructed under AFE 170-64. This is in reference to placing aluminum or metal awnings over the bay window of the depot and west side window, timetable direction.

Local supplier was contacted and have been advised that these windows are on the windward side of the depot and would require specially heavy commercial type construction, of which the material alone would cost \$300.00 or more. Labor for installation would be approximately \$100.00. After taking into consideration the heavy winds in this area it is my opinion that a metal awning of the type we discussed would not be satisfactory and in addition the accumulation of sand may also add to the problem.

It would appear that the solution would be to install sun screens which have not given any problem so far as wind and sand are concerned. Estimated cost of sun screens for the four windows would be approximately \$175.00. It is my recommendation that we do nothing for the time being and determine if the venetian blinds and window shades are satisfactory. It was my thought that the awnings would add something to the appearance of the building, however a maintenance problem would exist.

You will also recall that we discussed the plumbing in the toilet which involved the location of piping and valves. Check of blue prints indicates that location of valves and piping was placed in accordance with the plan and not in the most convenient location from the standpoint of the person performing the work. The main inlet is 4" from the north wall which is primarily due to the necessity of bringing inside the foundation which is 8" thick. The framed walls are 4" in width. However, the piping could have been located near the wall behind the toilet seat and in the future any plan of installation such as in this instance shall be questioned and Engineering Department asked to place in a most desirable location from the standpoint of appearance.

[Signature]
Superintendent

OFFICE OF
ASST. CHIEF ENGR.

OCT 30 1964

N. P. RY. CO.
SEATTLE, WASH.

12701

OFFICE
CHIEF ENGINEER

OCT 22 1964

NORTHERN PACIFIC RY. CO.
ST. PAUL, MINN.

St. Paul, Minnesota
October 22, 1964

File 2 - GSK 7828-5

Mr. D. H. Shoemaker
Chief Engineer

Your letter of October 1st, file 12699-12701, advised that wall and roof panels received from Rother Lumber Company for the Laurel, Montana and Bruce, Washington Depots were not square, causing considerable difficulty in setting up the buildings.

Attached for your information is copy of letter dated October 19th from Panel Structures Division of Rother Lumber Company furnishing their initial comments to our complaints. You will notice that they imply that the problems experienced could well be caused by improper erection procedures. Pending receipt from you of a comprehensive report concerning the difficulties encountered in using these prefabricated plywood panels, we will take no further action with the Rother Lumber Company.

WAM: jm
att.

[Handwritten signature: D. H. Shoemaker]
[Handwritten initials: WAM]

PANEL STRUCTURES

WOOD STRUCTURAL COMPONENTS

Division of Rother Lumber Co.

Telephone 543-7231

P. O. Box 1529

Missoula, Montana

- NOTED BY
- glued laminated lumber
 - stressed skin panels
 - folded plate
 - member

October 19, 1964

Mr. W. K. Smallridge
Director of Purchases
Northern Pacific Railway Company
608 Northern Pacific Building
St. Paul, Minnesota

RE: Your File No. 2-GSK7828-5

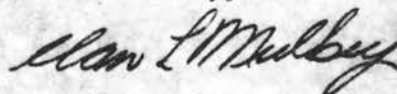
Dear Mr. Smallridge:

Thank you for your letter of October 9, 1964 calling to our attention the problems which you have had with our products. I sincerely regret difficulties which you have encountered.

It is rather difficult to pinpoint causes of open joints without having an opportunity to review each job individually at the site. However, from a field standpoint a good deal can be done to provide a cleaner finished job in very careful preparation of the site prior to the application of the panels. It is absolutely imperative that all bearing surfaces for the panels be precisely level and that the first panel erected be checked very carefully to assure that it is in the proper position, square and true. In fact, we have found 70% of our problems with claims for misfits and bad joint control have arisen in a lack of conscientious application of this first member. However, you may rest assured that we will see to it that everything within our power is done to prevent this from occurring again.

We have sincerely enjoyed the mutually beneficial relation between ourselves and the Northern Pacific Railway Company and I am looking forward to future work together.

Sincerely,



Alan Mulkey
PANEL STRUCTURES

AM/dg

C. C. Mr. James Rother

St. Paul, Minnesota
October 1, 1964

12699

12701

Mr. W. K. Smallridge:

We have received a report from the B&B Supervisor that the roof panels purchased from Rother Lumber Company for the Laurel depot are not square and that some method will have to be devised to cover open joints.

We have also received a complaint from Supervisor Wold that the wall panels and roof panels furnished for the Bruce depot by this same firm were not square and they had considerable difficulty in setting up a building.

It is suggested that Rother Lumber Company be apprised of the defects in the material which they have been furnishing and possibly they will want someone from their office to check the installations. Meanwhile, I am requesting the District Engineers to furnish a comprehensive report as soon as possible covering the difficulties encountered in using the prefabricated plywood panels.

D. M. SHOEMAKER

Chief Engineer

ACC:ds

cc: Mr. J. P. Titus
Mr. R. G. Brohaugh

12701



N. P. 4189

OFFICE OF
CHIEF ENGINEER

AUG 28 1964

NORTHERN PACIFIC RY. CO
ST. PAUL, MINN.

NORTHERN PACIFIC RAILWAY CO.

OFFICE OF ENGINEER OF TESTS

REPORT No. 92189

ST. PAUL, MINN., August 27, 1964

To Mr. D. H. Shoemaker, Chief Engineer, St. Paul, Minnesota

CONCRETE COMPRESSION SPECIMENS

SENT IN BY W.D. O'Hearne, Div. Engr. REPRESENTING WORK AT Bruce, Wash.

TEST REQUEST No. 8/19/64 ON Depot Floor

RESULTS OF COMPRESSION TESTS:

TEST NO.	SIZE	AREA	AGE	MIX	MAXIMUM LOAD IN LBS.	ULTIMATE STRENGTH PER SQ. IN. IN LBS.
Bruce #3	6" x 12"	28.3 sq.in.	28 day		98050	3465
Bruce #4	"	"	"		110680	3910
Concrete supplied by Premix Concrete, Inc., Othello, Washington, and poured in Bruce Depot Floor on July 29, 1964.						
Cylinders represent 9 cu. yds. Class "A" concrete.						

REMARKS: The aggregate in the above cylinders was well graded and well distributed.
Failure occurred thru the bond and aggregate in a diagonal shear.

mm-2

cc: Mr. J. E. Hoving
Mr. R. G. Brohaugh
Mr. W. D. O'Hearne
Mr. O. R. Wold
Mr. G. M. Turner

L. O. Hanson

ENGINEER OF TESTS.

N. P. 4189
9-26

NORTHERN PACIFIC RAILWAY CO.

OFFICE OF ENGINEER OF TESTS

REPORT No. 92189ST. PAUL, MINN., August 27, 1964To Mr. D. H. Shoemaker, Chief Engineer, St. Paul, Minnesota

CONCRETE COMPRESSION SPECIMENS

SENT IN BY W.D. O'Hearne, Div. Engr. REPRESENTING WORK AT Bruce, Wash.TEST REQUEST No. 8/19/64 ON Depot Floor

RESULTS OF COMPRESSION TESTS:

TEST NO.	SIZE	AREA	AGE	MIX	MAXIMUM LOAD IN LBS.	ULTIMATE STRENGTH PER SQ. IN. IN LBS.
Bruce #3	6" x 12"	28.3 sq.in.	28 day		98050	3465
Bruce #4	"	"	"		110680	3910
Concrete supplied by Premix Concrete, Inc., Othello, Washington, and poured in Bruce Depot Floor on July 29, 1964.						
Cylinders represent 9 cu. yds. Class "A" concrete.						

REMARKS: The aggregate in the above cylinders was well graded and well distributed.
Failure occurred thru the bond and aggregate in a diagonal shear.

mm-2 ✓

cc: Mr. J. E. Hoving
Mr. R. G. Brohaugh
Mr. W. D. O'Hearne
Mr. O. R. Wold
Mr. G. M. Turner

L. O. HANSON

ENGINEER OF TESTS.

12701



N. P. 4189
9-26 NORTHERN PACIFIC RAILWAY CO.

OFFICE OF ENGINEER OF TESTS

OFFICE OF
CHIEF ENGINEER

AUG 27 1964

REPORT No. 92182

ST. PAUL, MINN., NORTHERN PACIFIC
August 20, 19 64

To Mr. D. H. Shoemaker, Chief Engineer, St. Paul, Minn.

CONCRETE COMPRESSION SPECIMENS

SENT IN BY W. D. O'Hearne, Div. Engr. REPRESENTING WORK AT Bruce, Wash.

TEST REQUEST No. 8-14-64 ON Depot Foundation

RESULTS OF COMPRESSION TESTS:

TEST NO.	SIZE	AREA	AGE	MIX	MAXIMUM LOAD IN LBS.	ULTIMATE STRENGTH PER SQ. IN. IN LBS.
Bruce #1	6" x 12"	28.3 sq.in.	28 day		92660	3275
Bruce #2	"	"	"		94000	3320
Concrete supplied by Premix Concrete, Inc., Othello, Wash., and poured in Bruce Depot foundation on July 22, 1964.						
Cylinders represent 1 1/4 cu. yds. concrete.						

REMARKS: The aggregate in the above cylinders was well graded and well distributed. Failure occurred thru the bond only in a diagonal shear.

mm-2

cc: Mr. J. E. Hoving
Mr. R. G. Brohaugh
Mr. O. R. Wold

Mr. G. M. Turner
Mr. W. D. O'Hearne

L. O. Hanson
ENGINEER OF TESTS.

N. P. 4189
9-26

NORTHERN PACIFIC RAILWAY CO.

OFFICE OF ENGINEER OF TESTS

REPORT NO. 92182ST. PAUL, MINN., August 20, 19 64To Mr. D. H. Shoemaker, Chief Engineer, St. Paul, Minn.

CONCRETE COMPRESSION SPECIMENS

SENT IN BY W. D. O'Hearne, Div. Engr. REPRESENTING WORK AT Bruce, Wash.TEST REQUEST NO. 8-14-64 ON Depot Foundation

RESULTS OF COMPRESSION TESTS:

TEST NO.	SIZE	AREA	AGE	MIX	MAXIMUM LOAD IN LBS.	ULTIMATE STRENGTH PER SQ. IN. IN LBS.
Bruce #1	6" x 12"	28.3 sq.in.	28 day		92660	3275
Bruce #2	"	"	"		94000	3320
Concrete supplied by Premix Concrete, Inc., Othello, Wash., and poured in Bruce Depot foundation on July 22, 1964.						
Cylinders represent 14 cu. yds. concrete.						

REMARKS: The aggregate in the above cylinders was well graded and well distributed. Failure occurred thru the bond only in a diagonal shear.

mm-2 ✓

cc: Mr. J. E. Hoving
Mr. R. G. Brohaugh
Mr. O. R. Wold

Mr. G. M. Turner
Mr. W. D. O'Hearne

L. O. HANSON

ENGINEER OF TESTS.

NORTHERN PACIFIC RAILWAY COMPANY

12701

REQUEST FOR EXAMINATION OF MATERIAL

TEST REQUEST NO. _____

MR. L. O. Hanson

Engineer of Tests.

Pasco, Washington

(Station)

Aug. 19,

(Date)

19 64PLEASE EXAMINE Concrete test cylindersRECEIVED AT Bruce, Washington IN CAR NO. _____ INITIALS _____FIRM RECEIVED FROM Premix Concrete Inc. Othello, WashingtonTO BE USED FOR Depot floor AT Bruce, Wash.

TO APPLY ON G. S. K. REQUISITION NO. _____ ORDER NO. _____

NUMBER OF SAMPLES SENT	TAG NUMBER IDENTIFYING SAMPLES	NUMBER OF LBS., BBLs., PIECES., ETC., REPRESENTED BY SAMPLES	SPECIFICATION NUMBER ORDERED TO
2	Bruce #3 & #4	9 Cu. Yds.	Class "A"

REMARKS: Cylinders cast July 29, 1964.Break due August 26 for 28 day test.

cc-DHS

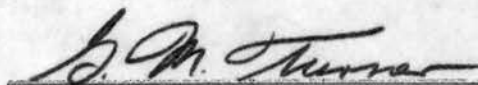
SAMPLE RECEIVED _____

TEST COMPLETED _____

PRELIMINARY { TELEPHONE } ADVISE GIVEN BY _____ TO _____ DATE _____

CONFIRMED BY REPORT NO. _____ TO _____ DATE _____

MATERIAL { ACCEPTED } REASON FOR REJECTION _____



SIGNATURE

Asst. B&B Supervisor

TITLE

NOTE: A COPY OF THIS FORM PROPERLY MADE OUT MUST BE FURNISHED
FOR EACH SHIPMENT OF MATERIAL UPON WHICH TEST IS DESIRED

No plat yet Aug 13, 1964 *Abb*

DHS

ATTN

FCC

87-25

10101

Abb

~~Withdrew to~~
~~Brace~~
~~plat~~
~~plan~~

GRANT OF EASEMENT FOR

CABLE LINE AND APPURTENANCES

THIS INDENTURE, made this 15th day of April, 1964, by and between NORTHERN PACIFIC RAILWAY COMPANY, a Wisconsin Corporation, party of the first part, and the UNITED STATES OF AMERICA, party of the second part, witnesseth:

That the party of the first part, for and in consideration of the sum of two thousand and no/100 dollars (\$2,000.00), to it in hand paid by the party of the second part, the receipt of which is hereby acknowledged, does hereby grant, convey, bargain, and warrant unto the UNITED STATES OF AMERICA, party of the second part, and its assigns, forever, the perpetual right-of-way and easement to place, construct, maintain, operate, repair, replace, patrol, and remove a cable line, junction boxes, manholes, and other related appurtenances, but for no other uses, in, upon, over, and under the following described land:

Tract C-300E: A strip of land 16.50 feet wide, lying within the Northern Pacific Railway (Connell Northern Branch) right-of-way in the north half of the north half of the northeast quarter of Section 32, Township 17 North, Range 30 East of the Willamette Meridian, Grant County, Washington, said strip lying 8.25 feet on each side of a centerline described as lying across said railway right-of-way and being southerly 27.00 feet, parallel with the north line of said Section 32.

The side lines of said strip are to be prolonged or shortened so as to intersect the west and east right-of-way line of said railway branch, containing 0.04 of an acre, more or less.

Tract C-1200E: A parcel of land, being that portion of a 16.50 foot strip, lying within existing Northern Pacific Railway Company right-of-way as it traverses southeasterly through the southeast quarter of the northeast quarter; the east half of the southeast quarter of Section 8; the east half of the northeast quarter of Section 17; the west half of the west half of Section 16; the west half of Section 21; and Section 28, all being in Township 16 North, Range 30 East of the Willamette Meridian, Adams County, Washington, said strip lying 8.25 feet on each side of the following described centerline:

COMMENCING in the northeast corner of said Section 8; thence south 1351.00 feet in the east line thereof; thence south 36°03'45" west 1170.00 feet; thence south 07°53'04" east 264.00 feet; thence south 78°35'48" west to the northeasterly right-of-way line of said railway; thence continuing south 78°35'48" west 4.00 feet to a point 46.00 feet easterly when measured at right angles from the railway right-of-way centerline, said point being the true point of BEGINNING; thence south 13°23'00" east parallel with and 46.00 feet easterly of said right-of-way centerline to the south line of said Section 8; thence south 07°26'00" west 45.00 feet to a point 30.00 feet easterly, when measured at right angles from the centerline of said railway right-of-way; thence south 13°23'00" east, parallel with and 30.00 feet easterly of said centerline, a distance of 385.00 feet; thence south 50°02'00" east 54.00 feet; thence south 04°48'00" east 214.00 feet to a point 34.00 feet easterly, when measured at right angles from said right-of-way centerline; thence south 13°24'00" east parallel with and 34.00 feet easterly of said centerline a distance of 4650.00 feet; thence south 19°08'00" east 55.00 feet; thence south 13°23'00" east and parallel with said railway right-of-way distance of 60.00 feet; thence south 01°05'00" west 55.00 feet to a point 28.00 feet easterly, when measured at right angles from said right-of-way centerline; thence south 13°24'00" east and parallel with and 28.00 feet easterly of said centerline a distance of 1677.00 feet; thence south 60°41'00" east 50.00 feet to a point 64.50 feet easterly, when measured at right angles from said right-of-way centerline; thence south 13°24'00" east, parallel with and 64.50 feet easterly of said centerline a distance of 85.00 feet; thence south 26°50'00" west 50.00 feet to a point 28.00 feet easterly, when measured at right angles from said right-of-way centerline; thence south 13°24'00" east, parallel with

Tract C-1200E (cont'd)

and 28.00 feet easterly of said centerline a distance of 1082.00 feet; thence south 25°27'00" east 70.00 feet to a point 42.00 feet easterly, when measured at right angles of said right-of-way centerline; thence south 13°24'00" east, parallel with and 42.00 feet easterly of said centerline a distance of 1087.00 feet; thence south 55°13'00" east 30.00 feet to a point 54.00 feet easterly, when measured at right angles from said right-of-way centerline; thence south 13°24'00" east and parallel with and 54.00 feet easterly of said centerline a distance of 75.00 feet; thence south 28°25'00" west 30.00 feet to a point 42.00 feet easterly, when measured at right angles from said right-of-way centerline; thence south 13°24'00" east, parallel with and 42.00 feet easterly of said centerline, to a point in the north line of the northwest quarter of the southeast quarter of said Section 28; thence continuing south 13°24'00" east, parallel with said right-of-way centerline a distance of 310.00 feet to a point 42.00 feet easterly, when measured at right angles, from assumed point "A" in said railway right-of-way centerline; thence in a southeasterly direction related to a spiral curve to the left, said strip lying easterly of said right-of-way centerline and between twelve (12) off-set points to the right, when measured at right angles from 200.00 foot chords in said spiral curve, said off-sets are as tabulated below:

<u>Point</u>	<u>Off-Set Dist.</u>	<u>Point</u>	<u>Off-Set Dist.</u>
A	42.0	J	47.0
B	39.0	K	42.0
C	42.0	L	43.0
D	38.0	M	44.0
E	36.0	N	42.0
F	38.0		
G	38.0		
H	32.0		

thence continuing in said strip centerline south 29°01'00" east to a point 35.00 feet easterly, when measured at right angles, from said right-of-way centerline and also being 106.00 feet northerly in the extension of said line from the south line of said Section 28; thence from said point south 60°59'00" west 50.00 feet; thence south 80°46'00" west 40.00 feet; thence south 84°05'00" west 50.00 feet, more or less, to a point in the westerly right-of-way line of said railway right-of-way, said point being northerly 42.00 feet, when measured at right angles, from the said south line of Section 28.

The side lines of said strip are to be prolonged or shortened so as to terminate in the westerly railway right-of-way line, containing 6.32 acres, more or less,

together with the right of ingress and egress as may be necessary to maintain, operate, repair, replace, patrol, and remove said cable line, junction boxes, manholes, and other appurtenances; said right of ingress and egress to be exercised by the UNITED STATES OF AMERICA, its representatives, agents, and contractors in a reasonable manner.

THIS CONVEYANCE FOR THE DEPARTMENT OF THE AIR FORCE.

Said cable line is to be maintained and operated as constructed or placed, namely, at least 36 inches below the surface of said land. Said junction boxes, manholes, and other appurtenances may be maintained and operated as constructed or placed, namely, extending to or above the surface of said land.

The party of the first part, for itself, its successors and assigns, covenants and agrees that it will not permanently remove or shift the soil or rearrange the contour or permanently change the surface of said 16 1/2 foot strip of land, by terracing or otherwise, unless 180-day advance written notice is given to the Base Commander, Larson Air Force Base, Washington, of the intention

to permanently change the surface of said strip, and thereupon the United States, its representatives, agents, contractors and assigns will have the right to enter upon said strip within said 120-day period to lower or adjust said cable and appurtenances as may be necessary. It is understood, however, that the party of the first part reserves the right to make such changes, permanent or otherwise, in the surface of the ground as may be necessary under emergency conditions for protection of its facilities and that in such cases the party of the first part shall inform the local representative of the party of the second part as soon as possible by such means as telephone so that the party of the second part can take appropriate measures for protection of its facilities.

The party of the second part shall be responsible for future loss or damage resulting directly from the exercise by the UNITED STATES OF AMERICA, its representatives, agents, and contractors of the right to maintain, operate, repair, replace and remove said cable line, junction boxes, manholes, and other appurtenances, subject to the availability of appropriations for the payment for such loss or damage.

Said cable line, junction boxes, manholes, other appurtenances, and equipment constructed or placed by the party of the second part shall remain the property of the UNITED STATES OF AMERICA and may be removed by the UNITED STATES OF AMERICA at any time.

There is reserved to the party of the first part, its successors and assigns, all right, title, interest and privilege as may be exercised and enjoyed without interference with or abridgment of the right-of-way and easement herein granted.

The easement herein conveyed is subject to (a) oil, gas, and minerals and/or interests therein, if any, and (b) to existing easements for public roads, public highways, public utilities, railroads and pipelines, and to reservations, exceptions, and any other outstanding rights contained in or referred to in patents issued by the United States.

IN WITNESS WHEREOF, said corporation has caused this instrument to be executed by its proper officers and its corporate seal to be hereunto affixed this 15th day of April, 1964.

NORTHERN PACIFIC RAILWAY COMPANY,
a Wisconsin Corporation

By Ed J. Van Vorst
Vice President

By Richard A. Deulke
Assistant Secretary

WITNESS:

Shirley L. Grunewald
DATE 16 June 1964

UNITED STATES OF AMERICA

By Kelvin Greenstreet
KELVIN GREENSTREET 16 June 1964
Chief, Real Estate Division
U.S. Army Engineer District, Seattle

STATE OF MINNESOTA

County of Ramsey

ss.

On this 15th day of April, 1964, before me, the undersigned, a Notary Public in and for the State of Minnesota, duly commissioned and sworn, personally appeared E. B. STANTON and Richard A. Beulke to me known to be the VICE President and Assistant Secretary, respectively, of the Northern Pacific Railway Company, the corporation that executed the foregoing instrument, and acknowledged the said instrument to be the free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that they were authorized to execute the said instrument and that the seal affixed is the corporate seal of said corporation.

Witness my hand and official seal hereto affixed the day and year first above written.

J. W. THAYER,
Notary Public, Ramsey County, Minn.
My Commission Expires Nov. 17, 1964

J. W. Thayer
Notary Public in and for the State of Minnesota

Residing at St. Paul

My Commission Expires November 17, 1964

GRANT OF EASEMENT FOR

CABLE LINE AND APPURTENANCES

THIS INDENTURE, made this 15th day of April, 1964, by and between NORTHERN PACIFIC RAILWAY COMPANY, a Wisconsin Corporation, party of the first part, and the UNITED STATES OF AMERICA, party of the second part, witnesseth:

That the party of the first part, for and in consideration of the sum of two thousand and no/100 dollars (\$2,000.00), to it in hand paid by the party of the second part, the receipt of which is hereby acknowledged, does hereby grant, convey, bargain, and warrant unto the UNITED STATES OF AMERICA, party of the second part, and its assigns, forever, the perpetual right-of-way and easement to place, construct, maintain, operate, repair, replace, patrol, and remove a cable line, junction boxes, manholes, and other related appurtenances, but for no other uses, in, upon, over, and under the following described land:

Tract C-300E: A strip of land 16.50 feet wide, lying within the Northern Pacific Railway (Connell Northern Branch) right-of-way in the north half of the north half of the northeast quarter of Section 32, Township 17 North, Range 30 East of the Willamette Meridian, Grant County, Washington, said strip lying 8.25 feet on each side of a centerline described as lying across said railway right-of-way and being southerly 27.00 feet, parallel with the north line of said Section 32.

The side lines of said strip are to be prolonged or shortened so as to intersect the west and east right-of-way line of said railway branch, containing 0.04 of an acre, more or less.

Tract C-1200E: A parcel of land, being that portion of a 16.50 foot strip, lying within existing Northern Pacific Railway Company right-of-way as it traverses southeasterly through the southeast quarter of the northeast quarter; the east half of the southeast quarter of Section 8; the east half of the northeast quarter of Section 17; the west half of the west half of Section 16; the west half of Section 21; and Section 28, all being in Township 16 North, Range 30 East of the Willamette Meridian, Adams County, Washington, said strip lying 8.25 feet on each side of the following described centerline:

COMMENCING in the northeast corner of said Section 8; thence south 1351.00 feet in the east line thereof; thence south 36°03'45" west 1170.00 feet; thence south 07°53'04" east 264.00 feet; thence south 78°35'48" west to the northeasterly right-of-way line of said railway; thence continuing south 78°35'48" west 4.00 feet to a point 46.00 feet easterly when measured at right angles from the railway right-of-way centerline, said point being the true point of BEGINNING; thence south 13°23'00" east parallel with and 46.00 feet easterly of said right-of-way centerline to the south line of said Section 8; thence south 07°26'00" west 45.00 feet to a point 30.00 feet easterly, when measured at right angles from the centerline of said railway right-of-way; thence south 13°23'00" east, parallel with and 30.00 feet easterly of said centerline, a distance of 385.00 feet; thence south 50°02'00" east 54.00 feet; thence south 04°48'00" east 214.00 feet to a point 34.00 feet easterly, when measured at right angles from said right-of-way centerline; thence south 13°24'00" east parallel with and 34.00 feet easterly of said centerline a distance of 4650.00 feet; thence south 19°08'00" east 55.00 feet; thence south 13°23'00" east and parallel with said railway right-of-way distance of 60.00 feet; thence south 01°05'00" west 55.00 feet to a point 28.00 feet easterly, when measured at right angles from said right-of-way centerline; thence south 13°24'00" east and parallel with and 28.00 feet easterly of said centerline a distance of 1677.00 feet; thence south 60°41'00" east 50.00 feet to a point 64.50 feet easterly, when measured at right angles from said right-of-way centerline; thence south 13°24'00" east, parallel with and 64.50 feet easterly of said centerline a distance of 85.00 feet; thence south 26°50'00" west 50.00 feet to a point 28.00 feet easterly, when measured at right angles from said right-of-way centerline; thence south 13°24'00" east, parallel with

Tract C-1200E (cont'd)

and 28.00 feet easterly of said centerline a distance of 1082.00 feet; thence south 25°27'00" east 70.00 feet to a point 42.00 feet easterly, when measured at right angles of said right-of-way centerline; thence south 13°24'00" east, parallel with and 42.00 feet easterly of said centerline a distance of 1087.00 feet; thence south 55°13'00" east 30.00 feet to a point 54.00 feet easterly, when measured at right angles from said right-of-way centerline; thence south 13°24'00" east and parallel with and 54.00 feet easterly of said centerline a distance of 75.00 feet; thence south 28°25'00" west 30.00 feet to a point 42.00 feet easterly, when measured at right angles from said right-of-way centerline; thence south 13°24'00" east, parallel with and 42.00 feet easterly of said centerline, to a point in the north line of the northwest quarter of the southeast quarter of said Section 28; thence continuing south 13°24'00" east, parallel with said right-of-way centerline a distance of 310.00 feet to a point 42.00 feet easterly, when measured at right angles, from assumed point "A" in said railway right-of-way centerline; thence in a southeasterly direction related to a spiral curve to the left, said strip lying easterly of said right-of-way centerline and between twelve (12) off-set points to the right, when measured at right angles from 200.00 foot chords in said spiral curve, said off-sets are as tabulated below:

<u>Point</u>	<u>Off-Set Dist.</u>	<u>Point</u>	<u>Off-Set Dist.</u>
A	42.0	J	47.0
B	39.0	K	42.0
C	42.0	L	43.0
D	38.0	M	44.0
E	36.0	N	42.0
F	38.0		
G	38.0		
H	32.0		

thence continuing in said strip centerline south 29°01'00" east to a point 35.00 feet easterly, when measured at right angles, from said right-of-way centerline and also being 106.00 feet northerly in the extension of said line from the south line of said Section 28; thence from said point south 60°59'00" west 50.00 feet; thence south 80°46'00" west 40.00 feet; thence south 84°05'00" west 50.00 feet, more or less, to a point in the westerly right-of-way line of said railway right-of-way, said point being northerly 42.00 feet, when measured at right angles, from the said south line of Section 28.

The side lines of said strip are to be prolonged or shortened so as to terminate in the westerly railway right-of-way line,

containing 6.32 acres, more or less,

together with the right of ingress and egress as may be necessary to maintain, operate, repair, replace, patrol, and remove said cable line, junction boxes, manholes, and other appurtenances; said right of ingress and egress to be exercised by the UNITED STATES OF AMERICA, its representatives, agents, and contractors in a reasonable manner.

THIS CONVEYANCE FOR THE DEPARTMENT OF THE AIR FORCE.

Said cable line is to be maintained and operated as constructed or placed, namely, at least 36 inches below the surface of said land. Said junction boxes, manholes, and other appurtenances may be maintained and operated as constructed or placed, namely, extending to or above the surface of said land.

The party of the first part, for itself, its successors and assigns, covenants and agrees that it will not permanently remove or shift the soil or rearrange the contour or permanently change the surface of said 16 1/2 foot strip of land, by terracing or otherwise, unless 120-day advance written notice is given to the Base Commander, Larson Air Force Base, Washington, of the intention

to permanently change the surface of said strip, and thereupon the United States, its representatives, agents, contractors and assigns will have the right to enter upon said strip within said 120-day period to lower or adjust said cable and appurtenances as may be necessary. It is understood, however, that the party of the first part reserves the right to make such changes, permanent or otherwise, in the surface of the ground as may be necessary under emergency conditions for protection of its facilities and that in such cases the party of the first part shall inform the local representative of the party of the second part as soon as possible by such means as telephone so that the party of the second part can take appropriate measures for protection of its facilities.

The party of the second part shall be responsible for future loss or damage resulting directly from the exercise by the UNITED STATES OF AMERICA, its representatives, agents, and contractors of the right to maintain, operate, repair, replace and remove said cable line, junction boxes, manholes, and other appurtenances, subject to the availability of appropriations for the payment for such loss or damage.

Said cable line, junction boxes, manholes, other appurtenances, and equipment constructed or placed by the party of the second part shall remain the property of the UNITED STATES OF AMERICA and may be removed by the UNITED STATES OF AMERICA at any time.

There is reserved to the party of the first part, its successors and assigns, all right, title, interest and privilege as may be exercised and enjoyed without interference with or abridgment of the right-of-way and easement herein granted.

The easement herein conveyed is subject to (a) oil, gas, and minerals and/or interests therein, if any, and (b) to existing easements for public roads, public highways, public utilities, railroads and pipelines, and to reservations, exceptions, and any other outstanding rights contained in or referred to in patents issued by the United States.

IN WITNESS WHEREOF, said corporation has caused this instrument to be executed by its proper officers and its corporate seal to be hereunto affixed this 15th day of April, 1964.

NORTHERN PACIFIC RAILWAY COMPANY,
a Wisconsin Corporation

By Ed J. Van Vorst
Vice President

By Richard A. Deulke
Assistant Secretary

WITNESS:

Shirley L. Greenwald
DATE 16 June 1964

UNITED STATES OF AMERICA

By Kelvin Greenstreet
KELVIN GREENSTREET 16 June 1964
Chief, Real Estate Division
U.S. Army Engineer District, Seattle

STATE OF MINNESOTA

County of Ramsey

ss.

On this 15th day of April, 1964, before me, the undersigned, a Notary Public in and for the State of Minnesota, duly commissioned and sworn, personally appeared E. B. STANTON and Richard A. Beulke to me known to be the VICE President and Assistant Secretary, respectively, of the Northern Pacific Railway Company, the corporation that executed the foregoing instrument, and acknowledged the said instrument to be the free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that they were authorized to execute the said instrument and that the seal affixed is the corporate seal of said corporation.

Witness my hand and official seal hereto affixed the day and year first above written.

J. W. THAYER,
Notary Public, Ramsey County, Minn.
My Commission Expires Nov. 17, 1964

J. W. Thayer
Notary Public in and for the State of Minnesota

Residing at St. Paul

My Commission Expires November 17, 1964

NORTHERN PACIFIC RAILWAY COMPANY

12701

REQUEST FOR EXAMINATION OF MATERIAL

TEST REQUEST NO. _____

MR. L. O. HANSON

Engineer of Tests.

SPOKANE, WN.

(Station)

AUG. 14,

(Date)

19 64

PLEASE EXAMINE CONCRETE TEST CYLINDERS.

RECEIVED AT BRUCE, WN.

IN CAR NO. _____

INITIALS _____

FIRM RECEIVED FROM PREMIX CONCRETE INC., OTHELLO, WN.

TO BE USED FOR DEPOT FOUNDATION.

AT BRUCE, WN.

TO APPLY ON G. S. K. REQUISITION NO. _____

ORDER NO. _____

NUMBER OF SAMPLES SENT	TAG NUMBER IDENTIFYING SAMPLES	NUMBER OF LBS. BBLs., PIECES, ETC., REPRESENTED BY SAMPLES	SPECIFICATION NUMBER ORDERED TO
2	BRUCE #1 & #2	14 C. Y.	CLASS "A"

REMARKS: Cylinders cast July 22, 1964.

To be broke on Aug. 19, 1964 for 28 day test.

 cy: DHS
 JEH
 RGB
 ORW
 GMT.

W. D. O'HEARNE, DIV. ENGR.

SIGNATURE

TITLE

PRELIMINARY { TELEPHONE } ADVISE GIVEN BY _____

TO _____

DATE _____

CONFIRMED BY REPORT NO. _____

TO _____

DATE _____

MATERIAL { ACCEPTED } REASON FOR REJECTION _____

{ REJECTED }

 NOTE: A COPY OF THIS FORM PROPERLY MADE OUT MUST BE FURNISHED
 FOR EACH SHIPMENT OF MATERIAL UPON WHICH TEST IS DESIRED

12701

OFFICE OF
CHIEF ENGINEER

JUL 20 1964

NORTHERN PACIFIC RY. CO.
ST. PAUL, MINN.

Seattle, Washington
July 16, 1964

Bruce - Gen.

Mr. N. M. Lorentzsen:

For your information there is attached copy of Mr. Brohaugh's letter of July 15 to Superintendent King and also copy of a letter of July 15 to the Base Commander of Larson Air Force Base at Moses Lake, Washington relating to construction of the depot at Bruce, Washington.

J. E. HOVING

Assistant Chief Engineer

J. E. Hoving
cc: D. H. Shoemaker - w/attmts.

File
12/21

Bruce Gen.

Seattle, Washington
July 15, 1964

Bruce - 1

OFFICE OF
ASST. CHIEF ENGR.

JUL 16 1964

N. P. RY. CO.
SEATTLE, WASH.

Mr. D. H. King:

A meeting concerning complications in the construction of the Bruce Depot account of an Easement to the United States was held at Larson AFB on July 14, 1964, with the following people in attendance:

Colonel Dunn	USAF	Mr. O. R. Wold	NP Ry
Colonel Silger	"	Mr. P. L. Westine	"
Mr. R. D. Palmer	"	Mr. G. M. Turner	"
Mr. Wheeler	"	Mr. V. R. Scovill	"

The easement is grant for cable line and appurtenances, dated April 15, 1964, Permit 88912. It was explained to the U.S. personnel that the easement papers had not reached all concerned and that the Northern Pacific Railway had verbally notified the personnel at Larson AFB when digging for the footing was started as in the past when work has been done in the area of the cable. The go ahead was also given verbally, but shortly thereafter Air Force personnel appeared at the construction site and stopped the work.

In the meeting we acknowledged that we had failed to give the 120 day advance written notice to the Base Commander of Larson Air Force Base, Washington, and pointed out that the footings had been poured before the job was shut down. The Air Force personnel acknowledged that there would be no problem in reaching the cable in the future by hand digging and that the building would not be any cause of concern, but that they had certain directives that should go through proper channels to avoid embarrassment to themselves.

Conclusions were made that Mr. R. D. Palmer would try to receive telephone permission to allow us to proceed. Also, they requested a letter saying that we would not place any hard surface over the cable on top of the ground. They also requested a reproducible print of the "Depot", plans showing the location of the cable to the best of our knowledge.

Attached is a copy of letter to the Air Force concerning the requested abeyance in placing material over the cable line.

R. G. BROHAUGH
District Engineer

VHS:aj

cc: Messrs. J. E. Hoving, M. H. Nixon, O. R. Wold, W. D. O'Hearne

181 South King Street
Seattle, Washington 98104
July 15, 1964

Bruce - 1

Base Commander
Larson Air Force Base
Moses Lake, Washington

Attention: Mr. R. D. Palmer

OFFICE OF
ASST. CHIEF ENGR.

JUL 16 1964

N. P. RY. CO.
SEATTLE WASH

Dear Sir:

As requested in our meeting on July 14, 1964, concerning the shutdown in the construction of the Northern Pacific Railway Depot at Bruce, Washington, attached is reproducible print of Sheets 1 and 2 Drawing File No. 87-25 showing the location of the U. S. Air Force cable in the vicinity of the proposed depot. The location of the cable has been placed on the print according to the least description. The depths shown are from previous knowledge due to other work in the area with your permission.

As explained in our meeting, there are no present plans for any hard surface next to the east side of the depot; nor are such contemplated. In event that such a hard surface is ever required in the future, 120 days notification to your Base Commander would be given in writing as per our agreement of April 15, 1964.

In event that you cannot give us verbal permission to resume construction consider this letter notification that such construction will start in 120 days or more and that you should arrange to protect your cable and revise your facilities to allow construction of our depot at Bruce.

We would very much like to have verbal permission to continue construction at the present time to avoid the additional costs of moving crews in and out of the area. Your cooperation in this matter is greatly appreciated.

cc: Messrs. D. H. King - print att.
J. E. Hoving
M. H. Nixon
W. D. O'Hearne

Yours very truly,

NORTHERN PACIFIC RAILWAY COMPANY

R. G. Brohaugh
District Engineer

VRS:aj

Enclosure

12701

June 25, 1964

Pre-Mix Concrete Company
Othello
Washington

GSK-4851-3
ED-441
Inq-67

664-354

XXXXXXXXXXXXXXXXXXXX deliver.

O. R. Wold, B&B Supervisor, N. P. Depot, Bruce, Washington.

31 Cu. Yds., more or less, Ready-mix Concrete conforming to N. P. Ry.
Spec. E-114, Section 13, for Class "A" Air Entrained Concrete.
Use Type II Cement \$17.00 cu. yd.
2% - 10th prox
Delivered

Not to be delivered until requested by Supervisor.

cc DHS

St. Paul, Minnesota
June 23, 1964

12701
11172

Mr. R. F. Blakeslee:

Your letter dated May 7, GSK 4851-3, with quotation on ED-441, ready-mix concrete for the depot at Bruce, Washington:

We have now received test report No. 92092 on aggregates from this concern, and while the gradation for the sand and 1-1/2" gravel are on the coarse side, undoubtedly good concrete can be obtained by watching material that is delivered.

Inasmuch as this appears to be the only source of ready-mix concrete for the Bruce depot, you may purchase the material from Pre-Mix Concrete Company, Othello, Washington, and we will place this concern on our list of suppliers approved for unimportant work and reappraise further orders.

D. H. SHOEMAKER

Chief Engineer

ACC:ds

cc: Mr. R. G. Brohaugh
Mr. W. D. O'Hearne

RGB, WDO: Please arrange to watch this concrete for workability and obtain cylinders for compression tests.

DHS

12701

OFFICE OF
CHIEF ENGINEER

JUN 5 1964

NORTHERN PACIFIC RY. CO.
ST. PAUL, MINN.

Seattle, Washington
June 2, 1964

Bruce

Mr. D. H. King:

Please refer to your file concerning the proposed prefabricated frame depot building at Bruce, Washington on the Idaho Division 8th Subdivision.

Attached is one set of the drawings stamped "approved" except as noted in red, dated May 29th, 1964 - drawings No. 2430 from Mission Homes, sheets 1 and 2. Mr. Cayou is receiving a copy of this letter and it is suggested that he send two additional sets of plans to Mr. O. R. Wold at Spokane for his use in assembling the building.

E. G. BROHAUGH

VRS/rt
Att. (set of drawings)

District Engineer

cc: O. R. Wold
A. C. Cayou ✓

Job 3140 -
Talked to Mission Homes
& asked them to send
2 sets direct
ACC 6/5

St. Paul, Minnesota
May 28, 1964

12701

Mr. R. F. Blakeslee:

Your letter dated May 25, GSK-4851-3, ED-441, with four copies of Mission Homes drawings, No. 2430, Sheets 1 and 2, covering the new prefabricated wood frame depot for Bruce, Washington:

Attached hereto is one set of the drawings, stamped "Approved Except as Noted in Red", May 29, 1964. Notes on Sheet 1 cover furnishing the 3-1/4" x 11-1/4" glu. lam. beam in one piece 35'-6" long and treated 2 x 4 bottom plates to be furnished by Mission Homes. I suggest Mission Homes, Inc. simply acknowledge the notations by letter and no resubmittal of plans will be required.

D. H. SHOEMAKER

ACC:ic

Enc.

cc: Mr. R. G. Brohaugh

Chief Engineer

RGB: - Two sets of the above plans attached for your distribution, and one set has been retained in Architect's File No. 3140.

DHS

12701

Seattle, Washington, May 25, 1964

GSK-4851-3
ED-441

OFFICE OF
CHIEF ENGINEER

MAY 28 1964

NORTHERN PACIFIC RY. CO.
ST. PAUL, MINN.

MR. D. H. SHOEMAKER:

Referring to your letter April 20, File 12701, Item No. 1, Reqn. GSK-4851-3 ED-441, prefabricated wood frame building for Bruce.

Attached are four copies of Mission Homes, Inc. Print No. 2430.

If approved, will you please return one copy to me for forwarding to Mission Homes, Inc.

FB:eh

Encl.

R. F. Blakeslee

RB - to check
ACU
5/28

[Handwritten signature]
11/27

ACC:

Plans are correct with
notes added RB 5/28

12701

May 14, 1964

Layrite Building Materials Company
East 1225 Trent Avenue
Spokane, Washington

GSK-4851-3
ED-441

564-224

xx

To be called for.

O. R. Wold, B&B Supervisor, Bruce, Washington.

Items
76
37

70
6

Pieces, 4" x 12" Plain Ends Farm Drain Tiles
Lin. Ft. 6" Standard Vitrified Tile Pipe, Hub and Spigot

.17 lin. ft.
.38 " "

2% - 10th prox

f.o.b. Spokane, Washington

Per fone quotation date

cc DHS

12701

May 13, 1964

Alaskan Copper & Brass Company
3223 Sixth Avenue South
Seattle, Washington

GSK-4851-3

ED-441

564-222

O. R. Wold, B&B Supervisor, Bruce, Washington.

20	Lin. Ft. 3/4" Type "K" Soft Copper Tubing	\$46.72 C ¹ - net
20	" " 1/2" " " " " " "	27.07 C ¹ " "
1	3/4" Male Adapter, Copper x Male Standard Pipe Size	17.75 C less 10%
1	1/2" " " " " " " " "	.112 each " "
3	1/2 x 3/8", 90-degree Elbows, Drop Ear Female Adapters, Copper x Female Standard Pipe Size	.25 " "
2	1/2" Female Adapters, Copper x Female Standard Pipe Size	.1585 " "
3	1/2 x 1/2 x 1/2" Tees, Copper x Copper x Copper	.15 " "
2	3/4", 90-degree Elbows, Copper x Copper	.22 " "
10	1/2" " " " " " " " "	.082 " "
2	1/2" Unions, Copper x Copper	.39 " "
1	3/4" Angle Stop and Waste Valve, Flared by Female Standard Pipe Size. Nibco No. 532-17D	4.75 " "
1	1/2", 125-lb. Swing Check Valve, Copper x Copper, Nibco No. 785-Y	2.55 " "
1	1/2" Globe Valve, Copper x Copper, Nibco No. 734	4.70 " "

2% - 10th prox

f.o.b. N. P. Freight House,
Seattle, Washington.

Per fone quotation date.

Please mark all papers, tags and packages "Job No. 3110".

cc DHS

12701

May 13, 1964

R. D. Hurst Company
1401 Twelfth Avenue
Seattle, Washington

GSK-4851-3
ED-441

564-219

O. R. Wold, B&B Supervisor, Bruce, Washington.

675	Pieces, 9 x 9 x 1/8" Vinyl Asbestos Tile with sufficient adhesive for application to concrete floor, Armstrong No. 759, Fawn White	\$167.40 lot
110	Lin. Ft. 4" High Rubber Base, Color Brown, including adhesive and five external corners	27.75 lot
2	Pieces Beveled Edge Strip for above tile, each 2'8" long	.60 each

f.o.b. N. P. Freight House,
Seattle, Washington.

Per fone quotation date.

OK
1

Please mark all tags, papers and packages "Job No. 3140".

cc DHS

12701

May 13, 1964

The Glidden Company
408 Eighth Avenue North
Seattle, Washington

GSK-4851-3
ED-441

564-220

O. R. Wold, B&B Supervisor, Bruce, Washington.

2	Gallons Alkyd Wall Primer-Sealer No. 5041	\$6.81 gallon
1	Quart Blending Liquid, No. 247	1.41 quart
1	Gallon Satin Varnish, No. Y-47	4.01 gallon

1% - 10th prox

f.o.b. N. P. Freight House,
Seattle, Washington.

Per fone quotation date.

QAC
AK/17

Please mark all papers, tags and packages "Job No. 3140".

cc DHS

St. Paul, Minnesota
May 13, 1964

12701
11172

Mr. R. G. Brohaugh:

Item 2, Requisition ED-441, calls for 31 cubic yards ready-mix concrete for the new depot at Bruce, Washington.

Mr. Blakeslee informs us that the only bid returned of three was from the Pre-Mix Concrete Company at Othello. We have no information on this plant and please arrange as quickly as possible for report and submission of sand and gravel samples for testing.

D. H. SHOEMAKER

ACC:cw

Chief Engineer

CC: Mr. R. F. Blakeslee

*Berger tracing 6/22
Samples by WDOH 6/1-0-1
Supt. of tests says Test by 6/23*

12701

OFFICE OF
CHIEF ENGINEER

MAY 11 1964

NORTHERN PACIFIC RY. CO.
ST. PAUL, MINN.

Seattle, Washington, May 7, 1964

GSK-4851-3
ED-441

MR. D. H. SHOEMAKER:

Referring to Reqn. GSK-4851-3, ED-441, depot at
Bruce.

Item 2 calls for 31 cubic yards ready-mix concrete
and I sent out inquiries to Mesa Concrete Company, Othello,
Empire Concrete Products Company, Warden, and Pre-Mix Con-
crete Company, Othello. Only one bid was returned and that
was from the Pre-Mix Concrete Company at Othello, this firm
not being on the approved list.

Please advise if satisfactory to place order for
the job with this firm, and return attached bid.

R. F. Blakeslee

FB:eh

Have asked for report

12701

April 27, 1964

Union Supply Company, Inc.
6526 Sixth Avenue South
Seattle, Washington

GSK-4851-3
ED-441

464-499

xxxxxxxxxxxxxxxxxxxxx Railway Express Agency-Deadhead.

O. R. Wold, B&B Supervisor, Bruce, Washington.

3 Pieces Rubber Dock Bumper 2'9" Long Each with 2 Holes
for Fastening, Goodyear Company's Type M-4 \$3.90 lin. ft.

f.o.b. N. P. Ry. Company,
Portland, Oregon.

Per fone quotation date.

To be shipped from Portland, Oregon.

Please mark all papers, tags and packages "Job No. 3140".

cc DHS

April 23, 1964

Mission Homes Division
Rother Lumber Company
P. O. Box 1529
Missoula, Montana

GSK-4851-3
ED-441
Inq-56

464-438

O. R. Wold, R&B Supervisor, Bruce, Washington.

- 1 Prefabricated wood frame building as shown on Architect's Drawing 87-25, Sheets 1 and 2, blueprint drawings attached.

Furnish exterior and interior walls pre-assembled in 4' wide sections. Exterior finish shall be 3/8" thick medium density overlaid plywood (one side), grooved at 8" centers. Interior finish to be 1/4" thick, grooved, unfinished spruce plywood in Office and Toilet, 1/4" pre-finished mahogany plywood in Public area. Doors and windows to be factory installed with casings in place wherever possible. Partition back of toilet fixtures to be furnished in two pieces to conceal piping. Exterior wall sections (except in Freight Room) are to be insulated with 2" thick fiberglass. Wall between Office and Freight Room to be insulated.

Erection of building will be by Railway Company forces.

Furnish public counter complete as per details.

Roof panels to be furnished in 4' wide sections. Insulation shall be 3" thick fiberglass. Omit insulation in panels over freight room. Use exterior type plywood for top and bottom sides of panels. Plywood for bottom side to be V-grooved.

Glulam beam to be douglas fir of grade to allow unit stresses in bending of 2400 psi. Beam shall conform to AITC specifications for architectural grade.

Double hung sash to be equipped with balances. Horizontal sliding and double hung windows to be weatherstripped. Frames and sash for windows to be treated with wood preservative. Include wood type self storing combination storm and screen sash for double hung windows, screens and removable double glazing panels for sliding windows in office and toilet.

April 23, 1964

Mission Homes Division
Rother Lumber Company
P. O. Box 1529
Missoula, Montana

-2-

GSK-4851-3
ED-441
Inq-56

464-438

O. R. Wold, B&B Supervisor, Bruce, Washington.

Exterior swing door to be flush, solid core, birch, glazed DSA as shown and weatherstripped. Interior doors and gate to be flush, hollow core, birch. Overhead door to be commercial type, wood, sectional, torsion spring counterbalanced, as manufactured by Overhead Door Corp., or approved equal. All door sections to be toxic treated.

Door frames and trim for doors and windows shall be laurel.

Railway Company will furnish roofing materials and eave trough.

Building manufacturer shall include the following finish hardware (Catalog numbers are P. F. Corbin Company unless otherwise noted). Locksets to be keyed alike:

Exterior door to Public space:

Lockset DB 836-461 LH; Schlage Company.

Zenith design closer, 1-1/2 pr. hinges, LH, Stanley BB 241A5, 4-1/2 x 4-1/2"; aluminum threshold.

Door - Public to Freight Room:

Lockset DB 836-456 RH, 1-1/2 pr. hinges, Stanley 241A5, 4" x 4".

Door - Public to Toilet:

Lockset DB 836-461 LH, 1-1/2 pr. hinges, Stanley 241A5, 4" x 4".

Door - Toilet to Freight Room:

Lockset DB 836-420, 1-1/2 pr. hinges, Stanley 241A5, 4" x 4".

Gate - Secret gate catch DB 01413; 1 pr. hinges, Stanley 241A5, 4" x 4".

Double Hung Windows - sash fasteners DB 1829, Sash lifts DB 03296.

April 23, 1964

Mission Homes Division
Rother Lumber Company
P. O. Box 1529
Missoula, Montana

-3-

GSK-4851-3
ED-441
Inq-56

464-438

G. R. Wold, B&B Supervisor, Bruce, Washington.

Hasp for padlock, Stanley 925K-4".

Counter - door and drawer pulls, Stanley 4451F; hinges, Stanley 1583A5; lock for money drawer, Corbin 2716.

Other makes of hardware of equal quality may be substituted upon approval by Railway Company.

Wiring will be surface mounted and together with electrical equipment will be furnished by Railway Company.

Submit four copies of shop plans, including wall panel joinery details, as soon as possible to this office for approval before fabrication. \$2,692.00 complete

f.o.b. car N. P. Ry. tracks,
Missoula, Montana.

Please mark all papers, tags and packages "Job No. 3140".

cc DHS

April 23, 1964

J. K. Gill Company
1422 Fifth Avenue
Seattle, Washington

GSK-4851-3
ED-441
Inq-61

464-439

O. R. Wold, B&B Supervisor, Bruce, Washington.

- 1 Lot material for telegrapher's desk to consist of the following:
- 2 Pcs. wood top surfaced with tempered hardboard, 48" x 28" x 1-7/8" thick (No. 2725)
 - 6 Pcs. bench drawers, steel construction, case dimensions 15-3/4" wide x 20" deep x 6-3/4" high, designed for stacking (No. 2788)
 - 2 Pcs. base for above drawers 15-3/4" wide x 20" deep x 5-1/2" high (No. 2994)

Catalog numbers are from Lyon Metal Products, Inc., Catalog No. 100H.

\$174.62 lot

- | | | |
|---|---|------------|
| 1 | File Cabinet, 4-drawer, 14-3/8" x 28" x 51-3/4" high, Gray. | 93.45 each |
| | Lyon No. 1100, or equal | 49.95 " |
| 1 | Arm chair, Steelmaster No. 801, or equal | 39.90 " |
| 1 | Side Chair, Steelmaster No. 802, or equal | |
| 1 | Typewriter Stand, 36" x 24" x 26" high, gray. General Fireproofing Company No. 1636 TWS | 83.17 " |

f.o.b. N. P. Freight House,
Seattle, Washington.

Please mark all papers, tags and packages "Job No. 3140".

cc DHS GVS

April 23, 1964

King Electrical Manufacturing Company
9210 Fourteenth Avenue South
Seattle, Washington

GSK-4851-3
ED-441
Inq-58

464-440

O. R. Wold, B&B Supervisor, Bruce, Washington.

- 1 Lot of electric baseboard space heaters, all 240 volt, single phase, 60 cycle. Each unit to have built-in automatic thermal cut off protection against overheating.

Units to be enclosed resistance wire fin convactor type, all enclosed in double baffle air flow baked enamel steel outer jacket with junction box enclosed and end caps on. (No thermostats)

Lengths, wattages, BTU and King Electrical Manufacturing Company Catalog numbers as follows:

1 Pc.	10'0" long, 3000 watt, 10289 BTU, Catalog 10B30	\$24.75 each
1 "	8'0" long, 2500 watt, 8192 BTU, Catalog 8B25	20.65 "
1 "	5'0" long, 1500 watt, 5,119 BTU, Catalog 5B15	15.75 "
1 "	4'0" long, 1250 watt, 4,266 BTU, Catalog 4B12	12.75 "
2 "	3'0" long, 750 watt, 2,560 BTU, Catalog 3B07	10.50 "

f.o.b. N. P. Freight House,
Seattle, Washington.

Please mark all papers, tags and packages "Job No. 3140".

cc DHS

April 23, 1964

Crane Supply Company
3400 East Marginal Way South
Seattle, Washington

GSK-4851-3
ED-441
Inq-59

464-441

O. R. Wold, B&B Supervisor, Bruce, Washington.

- | | | |
|---|--|--------------|
| 1 | No. ER-4 National 4-gallon electric water heater,
12-1/2" diameter x 14-1/4" high, round under-sink type,
1000 watt, 110 volt, single phase with automatic thermostat,
steel tank, baked enamel outer jacket on fiberglass insulation
and 1/2" water connections | \$29.38 each |
| 1 | Vitreous water closet combination with tank and trimmings,
siphon jet, elongated bowl, 3/8" angle supply with stop and
escutcheon to wall, Church No. 2500 black open front seat less
cover and include bolts and china caps. Crane No. 3-127 | 60.69 each |
| 1 | 20" x 18" Vitreous china lavatory with 4-1/2" high back,
include one R-2212 self-closing hot water faucet, one 722
Chicago Faucet Company combination bubbler and faucet, 2 pcs.
3/8" angle supplies with stops and escutcheons to wall, one
2542 pop-up drain with tail piece and 1-1/4" 17-gauge chrome
P-trap with cleaout and escutcheon and brass-chrome male IPS
waste connection. Crane No. 1-195-V | 51.74 each |

f.o.b. N. P. Freight House,
Seattle, Washington.

Please mark all papers, tags and packages "Job No. 3140".

cc DHS

April 23, 1964

Grinnell Company
3101 Elliott Avenue
Seattle, Washington

GSK-4851-3
WD-441
Inq-59

464-442

XXXXXXXXXXXXXXXXXXXX L.C.L. Freight - U. P. - N. P.

O. R. Wold, B&B Supervisor, Bruce, Washington.

- | | | |
|---|---|--------------|
| 1 | Septic tank, 500 gallons capacity with inlet and outlet baffle. Unit approximate 60" diameter x 54" deep. May be manufactured of steel or concrete to conform to Bruce, Washington local, County and State Codes. Give complete information of unit offered including detail of construction. San-Equip Company No. 850 | \$44.25 each |
| 1 | Septic system distribution box approximately 17" wide x 24" long x 13" deep with 6" inlet and 4" outlets. San-Equip. Company No. 704 | 16.93 " |

2% - 10th prox

f.o.b. Salt Lake City, Utah

Please mark all papers and tags "Job No. 3140".

To be shipped from Salt Lake City, Utah.

cc DHS

April 23, 1964

Pioneer Sand & Gravel Company
901 Fairview Avenue North
Seattle, Washington

GSK-4851-3
ED-441

464-443

O. R. Wold, B&B Supervisor, Bruce, Washington.

144	Lin. Ft. 1/2" x 4" Non-extruding Expansion Joint Material, Calotex Company's Flexcell or equal	\$9.15 C ¹
7	Squares 325-lb. Asphalt Shingles, Philip Carey Company's Fire-Chex, Color Arbor Green	23.75 square

2% - 10th prox

f.o.b. N. P. Freight House,
Seattle, Washington.

Per fone quotation date.

Please mark all tags and papers "Job No. 3140".

cc DHS

April 23, 1964

E. J. Bartells Company
1212 Sixth Avenue South
Seattle, Washington

GSK-4851-3
ED-441

464-444

O. R. Wold, B&B Supervisor, Bruce, Washington.

80 Pieces, 2" Thick x 12" x 18" Foamglass Insulation

.438 sq. ft.

1 $\frac{1}{2}$ - 10th prox

f.o.b. N. P. Freight House,
Seattle, Washington.

Per fone quotation date.

Please mark all papers, tags and packages "Job No. 3140".

cc DHS

April 23, 1964

Seattle Hardware Company
501 First Avenue South
Seattle, Washington

GSK-4851-3
ED-441

464-445

O. R. Wold, B&B Supervisor, Bruce, Washington.

1 Lot Aluminum Gutter and Fittings to include the following:

1 Piece Gutter 10' Long, 4" O.G.	\$26.65 C
2 Pieces, 4" End Caps (ONE RIGHT AND ONE LEFT)	.22 each
1 Piece, 4" Outlet Section	.77 "
1 Piece, 4" Slip Connector	.40 "
5 Pieces, Gutter Ferrules and Spikes	7.40 C
1 Piece, 1-3/4 x 2-1/4" Conductor Pipe 10' Long	23.95 C
3 Pieces, 75-degree Elbows, 1-3/4 x 2-1/4"	67.00 C
2 Pieces, 1-3/4 x 2-1/4" Conductor Bands	8.00 C

2% - 10th prox

f.o.b. N. P. Freight House,
Seattle, Washington.

Per fone quotation date.

Please mark all papers, tags and packages "Job No. 3140".

cc DHS

St. Paul, Minnesota
April 20, 1964

12701

Mr. R. F. Blakeslee:

Your letters dated April 13 and 14 with regard to quotations on Item 1, prefabricated wood frame building for depot at Bruce, Washington:

Purchase should be made from Mission Homes, Inc., Missoula.

Ordering description can be copied from the inquiry.

Please request supplier to furnish shop plans for approval as soon as possible.

Your three quotations are returned herewith; however, descriptive matter has been filed in the Architect's office.

D. H. SHOEMAKER

Chief Engineer

ACC:ds
enc.

St. Paul, Minnesota
April 17, 1964

12701

Mr. R. F. Blakeslee:

Your letter dated April 13, GSK 4851-3, ED-441, with quotation from J. K. Gill Company on furniture for the new depot at Bruce, Washington:

Quotation is satisfactory and recommend purchase be made.

Ordering description can be copied from the inquiry.

Your quotation is returned herewith.

D. H. SHOEMAKER

Chief Engineer

ACC:ds
enc.

St. Paul, Minnesota
April 17, 1964

12701

Mr. R. F. Blakeslee:

Your letter dated April 13, GSK 4851-3, ED-441, regarding quotations on plumbing and septic tanks for the new depot at Bruce, Washington:

Any of the items offered are acceptable from a specification standpoint and purchase should be made at your discretion.

Ordering descriptions can be altered by substituting the proper trade names and model numbers and it should be noticed that all concerned quoted on the National ER4, 4 gallon, electric water heater.

Your three quotations are returned herewith.

D. H. SHOEMAKER

Chief Engineer

ACC:ds
enc.

St. Paul, Minnesota
April 17, 1964

12701

Mr. R. F. Blakeslee:

Your letter dated April 13, GSK 4851-3, ED-441, with respect to quotations on electric heaters for the new depot at Bruce, Washington:

Purchase is recommended from King Electrical Manufacturing Company, Seattle, on specified items.

Ordering description can be copies from the inquiry.

Your four quotations are returned herewith.

D. H. SHOEMAKER

Chief Engineer

ACC:ds
enc.

12701

Seattle, Washington, April 14, 1964

OFFICE OF
CHIEF ENGINEER

GSK-4851-3
ED-441

APR 17 1964

NORTHERN PACIFIC RY. CO.
ST. PAUL, MINN.

MR. D. H. SHOEMAKER:

Relative to my letter April 13 regarding GSK-
4851-3, ED-441, new depot at Bruce.

Attached is bid received from Pan-abode Inc.,
Kennydale, on Item 1, the prefabricated building.

R. F. Blakeslee

FB:eh

Encl.

ACU
14/17

12701

OFFICE OF, Washington, April 13, 1964
CHIEF ENGINEER

APR 16 1964

GSK-4851-3
ED-441

NORTHERN PACIFIC RY. CO.
ST. PAUL, MINN.

MR. D. H. SHOEMAKER:

Referring to GSK-4851-3, ED-441, new depot at Bruce.

Attached are bids received from the following firms on items you wished referred to you:

Mission Homes
Missoula, Montana

Westinghouse Electric Supply Co.
Seattle, Washington

Prefabricated Products Co., Inc.
Kirkland, Washington

General Electric Supply Co.
Seattle, Washington

J. K. Gill Company
Seattle, Washington

Crane Supply Company
Seattle, Washington

Graybar Electric Company
Seattle, Washington

Grinnell Company
Seattle, Washington

King Electrical Manufacturing Co.
Seattle, Washington

Palmer Supply Company
Seattle, Washington

Please advise your recommendations with return of the attached papers.

FB:eh

Encl.

R. F. Blakeslee

[Handwritten signature and date 11/11/64]

12701

OFFICE OF
CHIEF ENGINEER

APR 6 1964

NORTHERN PACIFIC RY. CO.

ST. PAUL, MINN. Seattle, Washington, April 1, 1964

GSK-4851-3

MR. D. H. KING:

Referring to your wire March 27, File K-271, to
Mr. W. K. Smallridge regarding Items 19, 20 and 22 on Reqn.
GSK-4851-3, ED-441, depot at Bruce, Washington.

I have arranged to cancel these items.

(Signed) R. F. BLAKESLEE

FB:eh

cc: Mr. W. K. Smallridge
Mr. E. L. Jensen
Mr. D. H. Shoemaker

[Handwritten signature and initials]

12701

OFFICE OF
CHIEF ENGINEER

MAR 27 1964

NORTHERN PACIFIC Ry. CO.
ST. PAUL, MINN.

St. Paul, March 27, 1964

1-GSK 4851-3

Mr. R. F. Blakeslee:

Supt. King requests cancellation of items 19, 20 and 22 on the subject requisition, which was mailed to you on March 23, and will you please arrange accordingly.

Please advise Mr. King if cancellation can be accomplished - his wire 27th, file K271.

(Signed) W. E. JENKINS

ED-441

HCC/W

cc: Mr. E. L. Jensen
Mr. D. H. Shoemaker

} Refers to your copy of Mr. King's wire date.

N. J. ST. PAUL
TEL. ROOM OFFICE

1964 MAR 27 PM 12 25

NP SF RN PINK SPOKANE 27 955A

95 W K SMALLRIDGE

96 E L JENSEN

97 D H SHOEMAKER STD

IF POSSIBLE WOULD LIKE TO CANCEL ITEMS 19, 20 AND 22 ON BEK 4851-3

BRUCE WASHINGTON WILL YOU PLEASE ADVISE IF CAN BE DONE

WKS ELJ DHS K 271

DHK

RFB has reg-
WAM to handle
for cancellation
ACC
3/27

OFFICE OF
CHIEF ENGINEER

MAR 28 1964

NORTHERN PACIFIC RY.
ST. PAUL, MINN.

On Line
March 25, 1964

Mr. D. H. King:

Referring to our conversation about the possibility of obtaining new furniture for your personal office at Spokane and whether or not the existing furniture could be used in the Bruce depot.

In the event that furniture for the Bruce depot has not already been requisitioned, I think the desk, table and chair presently in your office would be suitable and adequate for the depot at Bruce. If such is the case, then I think you should plan on moving the above mentioned items to Bruce and arrange to submit requisition covering new furniture for your personal office as soon as possible to replace such items.

A copy of this letter is being given to Mr. Shoemaker for his information. Will you kindly advise what you do determine in this connection.

N. M. Lorentzen

cc-Mr. D. H. Shoemaker ✓

Handwritten: REC
11
5/30

ED-557

1

St. Paul, Minnesota, March 9, 64

D. H. King, Supt.
For E.L. Musolf, Elect. Engr., Job #11325

Bruce, Washington

30
DaysWiring
Depot at
Bruce,
Washington.CONDUIT AND WIRING1964 Budget
Item #230

- | | | |
|----|-----|--|
| 1 | 10 | 25E-023100
Ft. 2" conduit, rigid, galv. |
| 2 | 80 | 25E-022000
Ft. Conduit, 1/2" aluminum
rigid, threaded with coupling. |
| 3 | 80 | 25E-022100
Ft. Conduit, 3/4" Ditto |
| 4 | 40 | 25E-022200
Ft. Conduit, 1" Ditto |
| 5 | 100 | 25E-022400
Ft. Conduit, 1-1/2" Ditto |
| 6 | 60 | 25E-129800
Ft. 1/2" electrical metallic
tubing. |
| 7 | 10 | 25E-021400
Ft. 1/2" flexible steel conduit,
double strip. |
| 8 | 160 | Ft. #700 Wiremold raceway,
10 ft. lengths. GESCO, Graybar,
WESCO. |
| 9 | 13 | No. 5701 Coupling, for use with
No. 700 Wiremold. GESCO,
Graybar, WESCO. |
| 10 | 43 | No. 704 Straps, Ditto. Gesco,
Graybar, WESCO. |
| 11 | 37 | No. 702 Bushings, Ditto. GESCO,
Graybar, WESCO. |

St. Paul, Minnesota, March 9, 64

D. H. King, Supt.
For E.L. Musolf, Elect. Engr., Job #11325

Bruce, Washington

12. 15 No. 706 Connection Covers for
use with No. 700 Wiremold.
GESCO, Graybar, WESCO.
13. 5 No. 711, 90 degree flat elbows,
Ditto. GESCO, Graybar, WESCO.
14. 3 No. 5711LH Internal twisted
elbows, Ditto. GESCO, Graybar,
WESCO.
15. 3 No. 5711RH Internal twisted
elbows, Ditto. GESCO, Graybar,
WESCO.
16. 2 No. 5715 Tee, Ditto. GESCO,
Graybar, WESCO.
17. 5 No. 717 Internal Elbows, for
use with No. 700 Wiremold.
GESCO, WESCO, Graybar.
18. 5 No. 718 External Elbows, Ditto.
GESCO, WESCO, Graybar.
19. 5 No. 5719D Corner Boxes, Ditto.
GESCO, WESCO, Graybar.
20. 3 No. 5782 Conduit Connectors,
Ditto. GESCO, WESCO, Graybar.
21. 13 No. 5738A Fixture Boxes, Solid
Base, Ditto. GESCO, WESCO,
Graybar.
22. 9 No. 5748 Switch and Receptacle
Boxes, 1 gang, 4-5/8" long x
2-7/8" wide x 1-3/4" deep.
GESCO, WESCO, Graybar.
23. 2 No. 5748-2 Switch and Receptacle
Box, 2-gang, 4-5/8" long x
4-3/4" wide x 1-3/4" deep.
GESCO, WESCO, Graybar.
24. 1 No. 5748-3 Switch and Receptacle
Box, 3-gang, 4-5/8" long x
6-1/2" wide x 1-3/4" deep.
GESCO, WESCO, Graybar.
25. 1 25E-102800
Conduit Nipple 3/4" x 3" long.
26. 1 25E-103100
Conduit Nipple 1" x 3" long.

St. Paul, Minnesota, March 9, 64

D. H. King, Supt.
For E.L. Musolf, Elect. Engr., Job #11325

Bruce, Washington

27. 1 Conduit Nipple 1-1/4" x 6" long
galv., WESCO, Graybar.
28. 5 25E-055900
Elbows, 1" aluminum rigid
conduit, 90 degree.
29. 2 25E-056000
Elbows, 1-1/2" Ditto.
30. 5 25E-042200
1" Aluminum Conduit Couplings,
rigid.
31. 2 25E-042400
1-1/2" Ditto
32. 4 25E-038600
1/2" Connectors, for electrical
metallic tubing, Cat. #5121,
GESCO.
33. 6 25E-044000
Coupling, Briegel, for 1/2"
E.M.T., Cat. #BM-41, GESCO.
34. 20 Connector, Offset, 1/2" Indenter
Type, for E.M.T., WESCO Cat.
#2A2.
35. 2 25E-114400
1-1/4" Sleeves, T&B Insuliner,
Cat. #SP-425.
36. 20 25E-010700
1/2" Conduit Bushings, galv.
37. 2 25E-010800
3/4" Ditto
38. 7 25E-010900
1" Ditto
39. 2 25E-011000
1-1/4" Ditto
40. 2 25E-011100
1-1/2" Ditto
41. 1 25E-012200
Reducing Bushings, #RB-21,
3/4" to 1/2", P.N. Co.
42. 1 25E-012500
Reducing Bushings, #RB-42,
1-1/4" to 3/4", P.N. Co.

St. Paul, Minnesota, March 9, 64

D. H. King, Supt.

For E.L. Musolf, Elect. Engr., Job #11325

Bruce, Washington

43.	50	25E-104000 1/2" Conduit Locknuts, galv.	
44.	18	25E-104100 3/4"	Ditto
45.	14	25E-104200 1"	Ditto
46.	4	25E-104300 1-1/4"	Ditto
47.	2	25E-104400 1-1/2"	Ditto
48.	2	25E-039800 Connectors, Box, "Squeeze" Type for 1/2" flexible conduit and 1/2" K.O. Cat. #254, GESCO.	
49.	2	25E-039400 Connectors, Box, 90 degree, "Squeeze" Type for 1/2" flexible conduit and 1/2" K.O. Cat. #268, GESCO.	
50.	13	25E-117500 1/2" T&B pipe clamps, mall. iron, 1 screw, #1276.	
51.	10	25E-117600 3/4"	Ditto #1277.
52.	5	25E-117700 1"	Ditto #1278.
53.	18	25E-118600 1/2" Pipe Straps, mall. iron, for electrical metallic tubing, GESCO Cat. #4176.	
54.	3	25E-120500 1-1/2" Diamond two hole conduit straps, 7/8" x 1/8" steel, galv. Graybar Cat. #T-30.	
55.	1	25E-113205 Hubbard copperweld ground rod 5/8" x 8', Graybar Cat. #9438.	
56.	1	25E-019900 Hubbard mechanical ground rod clamp for 5/8" rod. Graybar Cat. #9592.	

St. Paul, Minnesota, March 9, 64

D. H. King, Supt.
For E.L. Musolf, Elect. Engr., Job #11325

Bruce, Washington

- 57 . 10 25E-013300
1/2" locking type grounding
bushing, mall. iron, two screw,
Cat. #9390. Appleton Electric
Co.
- 58 . 8 25E-013400
3/4" Ditto Cat. #9391.
- 59 . 1 25E-059000
1/2" Type "LGC" ground fitting
for rigid conduit, with brass
lug, size ground 1-1/4" - 2"
pipe. Cat. #9482.
Appleton Electric Co.
- 60 . 2 25E-031800
Condulets, #LBV-1, galv.,
Crouse-Hinds Co., 1/2" service
entrance capped elbow.
- 61 . 1 Porcelain Product's Co.'s Mast
Kit, No. 2088, for use with 2"
pipe, consisting of:
1 - #WEH-75 Service Cap
1 - #75-RF Roof Flashing
1 - #75-OR Reducer
2 - #85-H Pipe Supports
3 - #2061-C Wireholders.
Graybar, WESCO.
- 62 . 5 25E-006800
4" Outlet boxes, oct., galv.,
1-1/2" deep, with 1/2" knockouts.
GESCO Cat. #SP-54151.
- 63 . 14 Quad Fixture Swivels, for 3-1/4"
or 4" round or octagon boxes,
for 1/2" conduit, No. 1450.
WESCO.
- 64 . 3 25E-046000
4" outlet box covers, flat,
closed, galv., with 1/2" knockouts.
GESCO Cat. #SP-5406.
- 65 . 3 25E-006000
Boxes, Utility, 4" long, 2-1/8"
wide, 1-7/8" deep, with 1/2"
K.O. Cat. #SP-5800 GESCO.
- 66 . 2 25E-045100
Covers, Utility, box for std.
toggle switch, 4" x 2-1/8"
Cat. #SP58R14 GESCO.

St. Paul, Minnesota, March 9, 64

D. H. King, Supt.

For E.L. Musolf, Elect. Engr., Job #11325

Bruce, Washington

67. 1 25E-045000
Covers, Utility box for std.
duplex receptacle, 4" x 2-1/8"
Cat. #SP58R7. GESCO.
68. 8 25E-122900
Switches, flush tumbler, std.
grade, T - rated, single pole,
brown, 10A, 125V - 5A, 250V.
Cat. #GE5041-1 GESCO.
69. 6 25E-105400
Outlet, Bryant #5252, three
wire - two wire grounding type,
duplex, flush, parallel slot,
brown, 15 amp., 125 volt. WESCO
or Graybar.
70. 1 25E-107300
Plates, "Uniline", bakelite,
flush tumbler switch, single gang,
brown, Cat. #91071, Graybar.
71. 5 25E-107500
Plates, "Uniline", bakelite,
flush convenience outlet, duplex,
single gang, brown, Cat. #91101,
Graybar.
72. 1 Plates, "Uniline", bakelite,
flush tumbler switches, 2-gang,
brown, Bryant Cat. #91072.
WESCO, Graybar.
73. 1 Plates, "Uniline", bakelite,
flush tumbler switches, 3-gang,
brown, Bryant Cat. #91073.
WESCO, Graybar.
74. 1 Clock Hanger Outlet, recessed,
brown, for std. box mounting,
Bryant #2992. WESCO.
75. 1 Circuit Breaker Load Center,
1 phase, 3 wire, S/N, 120/240
volts, Nema type 1, general
purpose enclosure for surface
mounting, consisting of:
1-Box, interior and cover
#Q012-306S,
1-Breaker, 50 amps., 2 pole, #Q0250,
2-Breakers, 30 amps., 2 pole, #Q0230,
6-Breakers, 15 amps., 1 pole, #Q0115,
Square D Co., Blaine Electric
NOTE: Ship complete in one shipment.

St. Paul, Minnesota, March 9, 64

D. H. King, Supt.

For E.L. Musolf, Elect. Engr., Job #11325

Bruce, Washington

- 76 . 1 Meter Socket, Type S, 2 outlets, 1-1/4" hub, for vertical mounting complete with terminal block and sealing ring, Westinghouse Crt. No. IM123G14. WESCO.
- 77 . 1 Tork Time Switch, seven day dial, Cat. #7120W, single pole double throw, 40 amps., per pole, 120 volts, 60 cycle A.C., single phase. WESCO.
- 78 . 1 Allen-Bradley's Bulletin 702-AC Contactor, Size 1, 4 pole, Nema type 1 general purpose enclosure, 110 volt, 60 cycle A.C. holding coil, Cat. #702BAD94. Lax Electric.
- 79 . 2 Minneapolis-Honeywell Regulator Co.'s heavy duty thermostats, Type TA42A, S.P.S.T., Temperature range 56 deg. to 84 deg. F., 10.2 amps., 115 volts, vertical mounting. Minneapolis-Honeywell Regulator Co.
- 80 . 1 Steel City round floor outlet box, No. 420, 5" dia., 1/2" plug in cover, for sides drilled and tapped for 1" rigid conduit, with plugs, complete with std. combination adjusting ring and bronze flange ring, rubber gasket and sealing cement. Graybar.
- 81 . 1500 25E-139100
Ft. Wire #12 B&S gauge, copper, solid, NEC Type TW, 600 volt, Thermoplastic insulation. Color: Black.
- 82 . 500 25E-139100
Ft. Wire #12 Ditto, Color: White.
- 83 . 25 25E-138100
Ft. Wire #10 B&S gauge, copper, solid, NEC Type TW, 600 volt, Thermoplastic insulation. Color: Black.

St. Paul, Minnesota, March 9, 64

D. H. King, Supt.
For F. L. Musolf, Elect. Engr., Job #11325

Bruce, Washington

84. 40 25E-135500
Ft. Wire #2 B&S gauge, copper,
7 strand, NEC Type TW, 600 volt,
Thermoplastic insulation.
Color: Black.
85. 20 25E-135500
Ft. Wire #2 Ditto, Color: White.
86. 2-1/2 45-7281
Lbs. Wire #6 AWG, solid, copper,
soft drawn, bare.
87. 3 25E-036700
Connector, Wire, for size #2
stranded conductor, Cat. #1H
Blackburn or Cat. #KS-23 Burndy.
GESCO.
88. 1 45-6417
Gro. 1" x #12 Wood Screws, R.H.
Blued.
89. 1 Gro. flat head wood screws, size
3/4" x #8, No. 80024. GESCO,
WESCO, Graybar.
90. 8 2B-042800
Fetter drive screw, 3/8" x 3-1/2"
galv.
91. 2 25E-037300
Box (100) Spring Wire Connectors,
"Scotchlok", Type "M", medium.
WESCO.
92. 2 25E-021210
Compound, Corrosion Inhibiting,
Burndy Co.'s #P-8A "Penetrox",
8 oz. tubes.
93. 3 25E-125425
Roll, #33 Scotch electrical tape,
3/4", M.M.&M. Co.
94. 2 25E-125400
Roll, Tape, #88, 3/4" wide
Scotch electrical, 66 ft. rolls,
M.M.&M. Co., or Kendall Co. #822
Polyethylene.
95. 2 Rolls #190 Scotch plastic color
coding tape, 3/4" x 108", color:
Green. M.M.&M. Co., Graybar.

St. Paul, Minnesota, March 9, 64

D. H. King, Supt.

For E.L. Musolf, Elect. Engr., Job #11325

Bruce, Washington

LAMPS AND FIXTURES

96. 8 Smithcraft "Mercury" fluorescent lighting fixtures, Cat. #MER 2-40, for 2-40 watt rapid start lamps, high power factor rapid start ballast for operation on 110-120 volt, 60 cycle, single phase A.C. current. To be pendant mounted in two 12 ft. continuous rows and two 4 ft. rows. Ship complete less lamps. Graybar.
97. 1 Progress fluorescent slendalite, No. P7121, chrome, shielded, trigger start, 24-1/2", 1 - 20 watt lamp. WESCO.
98. 2 Bryant "No Blink" starter for fluorescent lamps, No. FS-20, 15 or 20 watts, 2 pin, manual reset. WESCO.
99. 2 Holophane wall bracket light fixtures, Cat. #415, for 150 watt lamp, asymmetric distribution. GESCO, WESCO, Graybar.
100. 2 Holophane Exposed outlet boxes, No. 0230, for use with #415 fixture, complete with 1/2" holes drilled and tapped each end for rigid conduit. GESCO, WESCO, Graybar.
101. 2 25E-111800 Benjamin socket reflector, 12" dia., shallow dome, for 100 watt lamp, complete with keyless socket, No. 5421. Graybar.
102. 4 42-1157 Pipe Plugs, 1/2" size.
103. 16 25E-093100 Lamps, #F40CW Fluorescent (Preheat-Rapid Start) 48" long, T-12.
104. 1 25E-092400 Lamp, #F20T12/D Fluorescent.

St. Paul, Minnesota, March 9, 64

D. H. King, Supt.
For E. L. Musolf, Elect. Engr., Job #11325

Bruce, Washington

105. 2 25E-087500
Lamps, 100 watt, 120 volts, A-21,
frosted inside, medium screw
base.

106. 2 25E-088200
Lamps, 150 watt, 120 volts,
PS-25, inside frosted, medium
screw base.

ESTIMATED COST.....\$650.00

NOTE: Send one copy of invoice
showing electrical job number to
E. L. Musolf, Electrical Engineer
at St. Paul, Minnesota.

NOTE: All boxes and packages containing
the above material to be marked
and shipped as follows:

NORTHERN PACIFIC RAILWAY COMPANY

To: D. H. King, Supt.

For: E. L. Musolf, Electrical Engineer

At: Bruce, Washington

For Electrical Job No. 11325

DHS(2), ACC, JEH, VRS, DHK, ORW, MFG, DSS, ELJ(4)

ELECTRICAL DEPARTMENT DISTRIBUTION

1 - M. F. Galbraith (1-7505)
1 - A. C. Woodbridge
2 - A. H. Wendlandt (6-7505)

Chief Engineer

St. Paul, Minnesota
March 2, 1964

12701

Mr. R. G. Brohaugh:

For your distribution, I am attaching five prints of Sheets 1 and 2, Architect's Plan File No. 87-25, covering work under Budget Item No. 230 "Depot - Bruce, Washington."

Structure will be a prefabricated timber building and Requisition ED-441 for the building panels and other material has been approved in advance of AFE.

D. H. SHOEMAKER

Chief Engineer

AGC:ic

Enc. - 5 prts, Sheets 1 & 2

cc: Mr. E. L. Musolf

12701

OFFICE OF
CHIEF ENGINEER

MAR 2 1964

NORTHERN PACIFIC RY. CO.
ST. PAUL, MINN.

Seattle, Washington
February 27, 1964

2224-1

Mr. D. H. Shoemaker:

Please be referred to my letter of January 28,
approving plan dated January 8, 1964, for the construction
of depot at Bruce, Washington.

Will you please expedite plans and AFE so the
work may be progressed.

J. L. Steinbright

cc Mr. N. M. Lorentzen

[Signature]
12/2

St. Paul, Minnesota
February 26, 1964

12701

Mr. C. H. Burgess:

Approved 1964 Budget Item No. 230 covers the construction of a new depot at Bruce, Washington.

Plans cover a prefabricated timber structure similar to that furnished last year by Mission Homes Division of Rother Lumber Company for erection at Nisqually, Washington. Plans have now been approved by all concerned and AFE data has been forwarded.

Early construction has been scheduled and I am attaching for your approval, in advance of AFE, Requisition ED-441 in the amount of \$5,300. Action now will permit review and approval of shop prints for the building much sooner than if we wait for AFE.

D. H. SHOEMAKER

Chief Engineer

S:12
Enc.



N. P. 1019
6-24

NORTHERN PACIFIC RAILWAY CO.

GEN'L STOREKEEPER'S REQ. NO.

DIVISION " " **ED-441**

SHEET **1**

Job #3140

St. Paul, Minnesota - February 24, 1964

TO THE DIRECTOR OF PURCHASES,

A. F. E. COMPTROLLER'S

THE FOLLOWING ARTICLES ARE REQUIRED FOR RAILWAY COMPANY'S USE, AND SHOULD BE DELIVERED

TO **O. R. WOLD, B&B Supervisor**

AT **Bruce, Washington**

SUPPLIES WILL BE FURNISHED ONLY UPON THE WRITTEN REQUISITION OF THE HEADS OF DEPARTMENTS, AND THE OFFICER MAKING THE REQUISITION MUST STATE FULLY AND MINUTELY WHERE AND FOR WHAT PURPOSE THE ARTICLES ORDERED ARE TO BE USED. IF THIS IS NOT DONE THE REQUISITION MUST BE RETURNED FOR THE INFORMATION

ITEM NO.	QUANTITY	DESCRIPTION OF ARTICLES	ESTIMATED COST	DELIVERY REQUIRED (DAYS)	FOR WHAT PURPOSE ORDERED	ON HAND AND DUE
1.	1	<p>Prefabricated wood frame building as shown on Architect's Drawing 87-25, Sheet 1 & 2.</p> <p>Furnish exterior & interior walls pre-assembled in 4 ft. wide sections. Exterior finish shall be 3/8" thick medium density overlaid plywood (one side), grooved at 8" centers. Interior finish to be 1/4" thick, grooved, unfinished spruce plywood in Office & Toilet, 1/4" prefinished mahogany plywood in Public area. Doors & windows to be factory installed with casings in place wherever possible. Partition back of toilet fixtures to be furnished in 2 pieces to conceal piping. Exterior wall sections (except in Freight Room) are to be insulated with 2" thick fiberglass. Wall between Office & Freight Room to be insulated.</p> <p>Erection of building will be by Railway Company forces.</p> <p>Furnish public counter complete as per details.</p> <p>Roof panels to be furnished in 4 ft. wide sections. Insulation shall be 3" thick fiberglass. Omit insulation in panels over freight room. Use exterior type plywood for top and bottom sides of panels. Plywood for bottom side to be V-grooved.</p> <p>Glulam beam to be douglas fir of grade to allow unit stresses in bending of 2400 psi. Beam shall conform to AITC specifications for architectural grade.</p> <p>Double hung sash to be equipped with balances. Horizontal sliding & double hung windows to be weather-stripped. Frames & sash for windows to be treated with wood preservative. Include wood type self storing combination storm & screen sash for double hung windows, screens & removable double glazing panels for sliding windows in office & toilet.</p>	\$5,300		<p>IDAHO DIVN.</p> <p>Depot, Bruce, Washington.</p> <p>1964 Budget Item No. 230.</p>	



N. P. 1019
6-24

NORTHERN PACIFIC RAILWAY CO.

GEN'L STOREKEEPER'S REQ. NO.

DIVISION " " " "

SHEET 2 " " " "

A. F. E. COMPTROLLER'S " " " "

ED-441

Job #3140

St. Paul, Minnesota - February 24, 19 64

TO THE DIRECTOR OF PURCHASES,

THE FOLLOWING ARTICLES ARE REQUIRED FOR RAILWAY COMPANY'S USE, AND SHOULD BE DELIVERED

TO

O. R. WOLD, B&B Supvr.

AT

Bruce, Wash.

SUPPLIES WILL BE FURNISHED ONLY UPON THE WRITTEN REQUISITION OF THE HEADS OF DEPARTMENTS, AND THE OFFICER MAKING THE REQUISITION MUST STATE FULLY AND MINUTELY WHERE AND FOR WHAT PURPOSE THE ARTICLES ORDERED ARE TO BE USED. IF THIS IS NOT DONE THE REQUISITION MUST BE RETURNED FOR THE INFORMATION

ITEM NO.	QUANTITY	DESCRIPTION OF ARTICLES	ESTIMATED COST	DELIVERY REQUIRED (DAYS)	FOR WHAT PURPOSE ORDERED	ON HAND AND DUE
1. (Cont'd)		<p>Exterior swing door to be flush, solid core, birch, glazed DSA as shown & weatherstripped. Interior doors & gate to be flush, hollow core, birch. Overhead door to be commercial type, wood, sectional, torsion spring counterbalanced, as manufactured by Overhead Door Corp. or approved equal. All door sections to be toxic treated.</p> <p>Door frames & trim for doors & windows shall be laurel.</p> <p>Railway Co. will furnish roofing materials & eave trough.</p> <p>Building manufacturer shall include the following finish hardware (Catalog Nos. are P.F. Corbin Co. unless otherwise noted). Locksets to be keyed alike:</p> <p>Exterior door to Public space: Lockset DB 836-461 LH; Schlage Co. Zenith design closer, 1-1/2 pr. hinges, LH, Stanley BB 241A5, 4-1/2 " x 4-1/2"; aluminum threshold.</p> <p>Door - Public to Freight Room: Lockset DB 836-456 RH, 1-1/2 pr. hinges, Stanley 241A5, 4" x 4".</p> <p>Door - Public to Toilet: Lockset DB 836-461 LH, 1-1/2 pr. hinges, Stanley 241A5, 4" x 4".</p> <p>Door - Toilet to Freight Room: Lockset DB 836-420, 1-1/2 pr. hinges, Stanley 241A5, 4" x 4".</p> <p>Gate - Secret gate catch DB 01413; 1 pr. hinges, Stanley 241A5, 4" x 4".</p> <p>Double hung windows - sash fasteners DB 1829, sash lifts DB 03296.</p> <p>Hasp for padlock, Stanley 925K-4".</p> <p>Counter - door & drawer pulls, Stanley 4451F; hinges, Stanley 1583A5; lock for money drawer, Corbin 2716.</p>			<p>IDAHO DIVN.</p> <p>Depot, Bruce, Wash.</p> <p>'64 B.I. 230.</p>	



N. P. 1019
6-24

NORTHERN PACIFIC RAILWAY CO.

St. Paul, Minnesota - February 24, 19 64

TO THE DIRECTOR OF PURCHASES,

GEN'L STOREKEEPER'S REQ. NO.

DIVISION " " " "

SHEET 3 " " " "

A. F. E. COMPTROLLER'S " " " "

ED-441

Job #3140

THE FOLLOWING ARTICLES ARE REQUIRED FOR RAILWAY COMPANY'S USE, AND SHOULD BE DELIVERED

TO

O. R. WOLD, B&B Supvr.

AT

Bruce, Wash.

SUPPLIES WILL BE FURNISHED ONLY UPON THE WRITTEN REQUISITION OF THE HEADS OF DEPARTMENTS, AND THE OFFICER MAKING THE REQUISITION MUST STATE FULLY AND MINUTELY WHERE AND FOR WHAT PURPOSE THE ARTICLES ORDERED ARE TO BE USED. IF THIS IS NOT DONE THE REQUISITION MUST BE RETURNED FOR THE INFORMATION

ITEM NO.	QUANTITY	DESCRIPTION OF ARTICLES	ESTIMATED COST	DELIVERY REQUIRED (DAYS)	FOR WHAT PURPOSE ORDERED	ON HAND AND DUE
1.	(Cont'd)	Other makes of hardware of equal quality may be substituted upon approval by Railway Company. Wiring will be surface mounted & together with electrical equipment will be furnished by Railway Company. Submit shop plans for approval before fabrication, including wall panel joinery details. MISSION HOMES DIVN. OF ROTHER LUMBER CO. P. O. Box 1529 Missoula, Montana.			IDAHO DIVN. Depot, Bruce, Wash. 64 B.I. 230	
2.	31	Cu. Yds., more or less, as called for by Supervisor, ready-mix concrete conforming to N.P. Ry. Specs. E-114, Section 13, for Class "A" air entrained concrete. Use Type II cement.				
3.	1,000	Lin. Ft. 3/8" diameter deformed reinforcing bars as rolled at South Tacoma.				
4.	1,700	Lin. Ft. 1/2" dia. DITTO				
5.	144	Lin. Ft. 1/2" x 4" non-extruding expansion joint material, Celotex Co.'s "Flexcell" or equal.				
6.	80	Pcs. 2" thick x 12" x 18" foerglass insulation.				
7.	1	Pc. 3" x 3" x 1/4" angle 10'0" long with 1/2" diameter x 6-1/2" bent anchors welded on at 2 ft. centers as shown in Section B-B on Sheet 1 of plans.				
8.	3	Pcs. 1-1/4" welded pipe railings for steps as shown on plans. Supervisor to furnish dimensions.				



N. P. 1019
6-24

NORTHERN PACIFIC RAILWAY CO.

St. Paul, Minnesota - February 24, 1964

TO THE DIRECTOR OF PURCHASES,

GEN'L STOREKEEPER'S REQ. NO. _____

DIVISION " " _____

SHEET 4 " " _____

A. F. E. COMPTROLLER'S " " _____

ED-441

Job #3140

THE FOLLOWING ARTICLES ARE REQUIRED FOR RAILWAY COMPANY'S USE, AND SHOULD BE DELIVERED

TO

O. R. WOLD, B&B Supvr.

AT

Bruce, Wash.

SUPPLIES WILL BE FURNISHED ONLY UPON THE WRITTEN REQUISITION OF THE HEADS OF DEPARTMENTS, AND THE OFFICER MAKING THE REQUISITION MUST STATE FULLY AND MINUTELY WHERE AND FOR WHAT PURPOSE THE ARTICLES ORDERED ARE TO BE USED. IF THIS IS NOT DONE THE REQUISITION MUST BE RETURNED FOR THE INFORMATION

ITEM NO.	QUANTITY	DESCRIPTION OF ARTICLES	ESTIMATED COST	DELIVERY REQUIRED (DAYS)	FOR WHAT PURPOSE ORDERED	ON HAND AND DUE
9.	1	<p>Lot Aluminum gutter & fittings to include the following:</p> <p>1 pc. gutter 10' long, No. 2011</p> <p>2 " end caps R&L, No. 2125</p> <p>1 " outlet section, No. 2122</p> <p>1 " slip connector, No. 2124</p> <p>5 " gutter ferrules & spikes, No. 1011</p> <p>1 " Conductor pipe 10' long, No. 2611.</p> <p>3 " 75° elbows, No. 2620</p> <p>2 " conductor bands, No. 2062</p> <p>Catalog Nos. are Reynold Aluminum Company.</p>			<p>IDAHO DIVN.</p> <p>Depot, Bruce, Wash.</p> <p>'64 B.I. 230</p>	
10.	36	Pcs. 1/2" x 4" machine bolts with nuts & cut washers.				
11.	3	Pcs. rubber dock bumper 2'9" long each with 2 holes for fastening. Goodyear Co. Type M-4.				
12.	675	Pcs. 9" x 9" x 1/8" vinyl asbestos tile with sufficient adhesive for application to concrete floor. ARMSTRONG No. 759 (Fawn White).				
13.	110	Lin. Ft. 4" high rubber base, color brown, including adhesive, & five external corners.				
14.	2	Pcs. beveled edge strip for above tile, each 2'8" long.				
15.	7	Squares 325# asphalt shingles. Philip Carey Co.'s "Fire-Chex", color - arbor green.				
16.	4	Rolls 15 lb. asphalt felt, 432 sq. ft. per roll.				
17.	15	lbs. 3/4" galv. barbed roofing nails.				



N. P. 1019
6-24

NORTHERN PACIFIC RAILWAY CO.

St. Paul, Minnesota - February 24, 19 64
TO THE DIRECTOR OF PURCHASES,

GEN'L STOREKEEPER'S REQ. NO. **ED-441**
DIVISION " "
SHEET **5** " **Job #3140**
A. F. E. COMPTROLLER'S " "

THE FOLLOWING ARTICLES ARE REQUIRED FOR RAILWAY COMPANY'S USE, AND SHOULD BE DELIVERED

TO

O. R. WOLD, D&B Supvr.

AT

Bruce, Wash.

SUPPLIES WILL BE FURNISHED ONLY UPON THE WRITTEN REQUISITION OF THE HEADS OF DEPARTMENTS, AND THE OFFICER MAKING THE REQUISITION MUST STATE FULLY AND MINUTELY WHERE AND FOR WHAT PURPOSE THE ARTICLES ORDERED ARE TO BE USED. IF THIS IS NOT DONE THE REQUISITION MUST BE RETURNED FOR THE INFORMATION

ITEM NO.	QUANTITY	DESCRIPTION OF ARTICLES	ESTIMATED COST	DELIVERY REQUIRED (DAYS)	FOR WHAT PURPOSE ORDERED	ON HAND AND DUE
18.	1	Lot material for telegrapher's desk to consist of the following: 2 Pcs. wood top surfaced with tempered hardboard, 48" x 28" x 1-7/8" thick (#2725). 6 Pcs. bench drawers, steel construction, case dimensions 15-3/4" wide x 20" deep x 6-3/4" high, designed for stacking (#2788). 2 Pcs. base for above drawers 15-3/4" wide x 20" deep x 5-1/2" high (#2994). Catalog Nos. are from Lyon Metal Products, Inc. Cat. No. 100H.			IDAHO DIVN. Depot, Bruce, Wash. 64 B.I. 230	
19.	1	Pc. Steel desk, 60" x 30" x 29" high, gray color. Lyon #900 or equal.				
20.	1	Pc. steel table, 60" x 30" x 29" high, gray color. Lyon #950 or equal.				
21.	1	Pc. file cabinet, 4-drawer, 14-3/8" x 28" x 51-3/4" high, gray. Lyon #1100 or equal.				
22.	1	Pc. Swivel arm chair, Steelmaster #800 or equal.				
23.	1	Pc. Arm chair, Steelmaster #801 or equal.				
24.	1	Pc. side chair, Steelmaster #802 or equal.				
25.	1	Pc. Typewriter stand, 36" x 24" x 26" high, gray. General Fireproofing Co. No. 1636 TWS.				
26.	10	Gals. Standard station paint, sand color.				
27.	1/2	Gal. Exterior enamel, jade green, Pittsburg's 54-130 or equal.				



N. P. 1019
6-24

NORTHERN PACIFIC RAILWAY CO.

GEN'L STOREKEEPER'S REQ. NO.

DIVISION " " " "

ED-441

SHEET 6

Job #3140

St. Paul, Minnesota - February 24, 19 64

TO THE DIRECTOR OF PURCHASES,

A. F. E. COMPTROLLER'S " " " "

THE FOLLOWING ARTICLES ARE REQUIRED FOR RAILWAY COMPANY'S USE, AND SHOULD BE DELIVERED

TO **O. R. WOLD, B&B Supvr.**

AT **Bruce, Wash.**

SUPPLIES WILL BE FURNISHED ONLY UPON THE WRITTEN REQUISITION OF THE HEADS OF DEPARTMENTS, AND THE OFFICER MAKING THE REQUISITION MUST STATE FULLY AND MINUTELY WHERE AND FOR WHAT PURPOSE THE ARTICLES ORDERED ARE TO BE USED. IF THIS IS NOT DONE THE REQUISITION MUST BE RETURNED FOR THE INFORMATION

ITEM NO.	QUANTITY	DESCRIPTION OF ARTICLES	ESTIMATED COST	DELIVERY REQUIRED (DAYS)	FOR WHAT PURPOSE ORDERED	ON HAND AND DUE
28.	2	Gals. Alkyd wall primer, scaler. Pittsburgh's "Wallhide" or equal.			IDAHO DIVN.	
29.	2	Gals. Alkyd flat wall paint, white.			Depot, Bruce, Wash.	
30.	1/2	Gal. Semi-gloss enamel, white.			'64 B.I. 230	
31.	2	Gals. Alkyd flat wall paint, NP Std. light green.				
32.	1/4	Gal. Blonding liquid, Glidden Co.'s No. 247 or equal.				
33.	1	Gal. Spar varnish.				
34.	1	Gal. Satin varnish.				
<u>HEATING</u>						
35.	1	<p>Lot of electric baseboard space heaters, all 240 V, single phase, 60 cycle. Each unit to have built-in automatic thermal cut off.protection against overheating.</p> <p>Units to be enclosed resistance wire fin convactor type, all enclosed in double baffle air flow baked enamel steel outer jacket with junction box enclosed & end caps on. (No thermostats.)</p> <p>Lengths, wattages, BTU & King Electrical Mfg. Co. Catalog Nos. as follows:</p> <p>1 Pc. 10'0" long, 3000 watt, 10289 BTU, Cat. 10B30.</p> <p>1 " 8'0" long, 2500 watt, 8192 BTU, Cat. 8B25.</p> <p>1 " 5'0" long, 1500 watt, 5,119 BTU, Cat. 5B15.</p> <p>1 " 4'0" long, 1250 watt, 4,266 BTU, Cat. 4B12.</p> <p>2 " 3'0" long, 750 watt, 2,560 BTU, Cat. 3B07.</p>				



N. P. 1019
6-24

NORTHERN PACIFIC RAILWAY CO.

St. Paul, Minnesota - February 24, 1964

TO THE DIRECTOR OF PURCHASES,

GEN'L STOREKEEPER'S REQ. NO.

DIVISION

SHEET

A. F. E. COMPTROLLER'S

ED-441

Job #3140

THE FOLLOWING ARTICLES ARE REQUIRED FOR RAILWAY COMPANY'S USE, AND SHOULD BE DELIVERED

TO

O. R. WOLD, B&B Supvr.

AT

Bruce, Wash.

SUPPLIES WILL BE FURNISHED ONLY UPON THE WRITTEN REQUISITION OF THE HEADS OF DEPARTMENTS, AND THE OFFICER MAKING THE REQUISITION MUST STATE FULLY AND MINUTELY WHERE AND FOR WHAT PURPOSE THE ARTICLES ORDERED ARE TO BE USED. IF THIS IS NOT DONE THE REQUISITION MUST BE RETURNED FOR THE INFORMATION

ITEM NO.	QUANTITY	DESCRIPTION OF ARTICLES	ESTIMATED COST	DELIVERY REQUIRED (DAYS)	FOR WHAT PURPOSE ORDERED	ON HAND AND DUE
35.	(Cont'd)	KING ELECTRICAL MFG. CO. 9210 - 14TH AVENUE SO. SEATTLE 8, WASHINGTON <u>PLUMBING</u>			IDaho DIVN. Depot, Bruce, Wash.	
36.	70	Pcs. 4" x 12" plain ends farm drain tiles.				
37.	6	Lin. Ft. 6" Std. Vit. tile pipe H&S.				'64 B.I. 230
38.	50	Lin. Ft. 4" CI soil pipe single hub.				
39.	10	Lin. Ft. 4" CI soil pipe double hub.				
40.	1	Pc. 4", 1/4 bend, long sweep.				
41.	2	Pcs. 4" Sanitary Tee.				
42.	1	Pc. 4" x 4" x 1-1/2" tapped San. Tee.				
43.	1	Pc. 4" x 4" x 1-1/4" tapped Tee.				
44.	1	Pc. 4" x 6" x 12" plain closet bend.				
45.	1	Pc. 4" x 1-1/2" slotted slip type closet collar.				
46.	1	Pc. 4" iron body ferrule with 4" brass square head C.O. plug.				
		ITEM 38 THRU 46 ARE EXTRA HEAVY C.I. SOIL PIPE & FITTINGS TARRED IN & OUT.				
47.	50	Lbs. caulking lead.				
48.	10	Lbs. rope type tarred caulking jute.				
49.	1	Pc. 4" rubber water closet sealing ring.				



N. P. 1019
6-24

NORTHERN PACIFIC RAILWAY CO.

GEN'L STOREKEEPER'S REQN. NO.

DIVISION " " " "

ED-441

SHEET 8

Job #3140

St. Paul, Minnesota - February 24, 19 64

TO THE DIRECTOR OF PURCHASES,

A. F. E. COMPTROLLER'S

THE FOLLOWING ARTICLES ARE REQUIRED FOR RAILWAY COMPANY'S USE, AND SHOULD BE DELIVERED

TO O. R. WOLD, B&B Supvr.

AT Bruce, Wash.

SUPPLIES WILL BE FURNISHED UPON THE WRITTEN REQUISITION OF THE HEADS OF DEPARTMENTS, AND THE OFFICER MAKING THE REQUISITION MUST STATE FULLY AND MINUTELY WHERE AND FOR WHAT PURPOSE THE ARTICLES ORDERED ARE TO BE USED. IF THIS IS NOT DONE THE REQUISITION MUST BE RETURNED FOR THE INFORMATION

ITEM NO.	QUANTITY	DESCRIPTION OF ARTICLES	ESTIMATED COST	DELIVERY REQUIRED (DAYS)	FOR WHAT PURPOSE ORDERED	ON HAND AND DUE
50.	1	Pc. 4" roof flange vent flashing, galv. with lead top, adjustable, ACME Style "B".			IDAHO DIVN.	
51.	10	Lin. Ft. 1-1/2" Std. galv. steel pipe.			Depot, Bruce, Wash.	
52.	10	Lin. Ft. 1-1/4" DITTO			'64 B.I. 230	
53.	1	Pc. 1-1/2", 90° elbow, lg. turn C.I. drainage.				
54.	1	Pc. 1-1/4", 90° elbow, C.I. Drainage fitting.				
55.	1	Pc. 1-1/2" x 1-1/4" x 1-1/4", 90° Y-branch, Tee patt. C.I. drainage.				
56.	1	Pc. 1-1/4" coupling, galv. C.I. drainage.				
57.	20	Lin. Ft. 3/4" Type "K" soft copper tubing.				
58.	20	Lin. Ft. 1/2" DITTO				
59.	1	Pc. 3/4" male adapter, C x MSFS.				
60.	1	Pc. 1/2" DITTO				
61.	3	Pc. 1/2" x 3/8", 90° elbow drop ear female adapters C x FSPS.				
62.	2	Pc. 1/2" female adapter C x FSPS.				
63.	3	Pc. 1/2" x 1/2" x 1/2" Tee C x C x G.				
64.	2	Pc. 3/4", 90° elbows C x C.				
65.	10	Pc. 1/2", 90° elbows C x C.				



N. P. 1019
6-24

NORTHERN PACIFIC RAILWAY CO.

GEN'L STOREKEEPER'S REQ. NO.

DIVISION

SHEET 9

A. F. E. COMPTROLLER'S

ED-441

Job #3140

St. Paul, Minnesota - February 24, 1964

TO THE DIRECTOR OF PURCHASES,

THE FOLLOWING ARTICLES ARE REQUIRED FOR RAILWAY COMPANY'S USE, AND SHOULD BE DELIVERED

TO

O. R. WOLD, B&B Supvr.

AT

Bruce, Wash.

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ITEM NO.	QUANTITY	DESCRIPTION OF ARTICLES	ESTIMATED COST	DELIVERY REQUIRED (DAYS)	FOR WHAT PURPOSE ORDERED	ON HAND AND DUE
66.	2	Pcs. 1/2" unions Cx C.			IDAHO DIVN.	
67.	1	Pc. 3/4" angle stop & waste valve flared x FSPS. Nibco #532-17D.			Depot, Bruce, Wash.	
68.	1	Pc. 1/2", 125 lb. swing check valve C x C. Nibco #785-Y.			'64 B.I. 230	
69.	1	Pc. 1/2" globe valve, C x C. Nibco #738.				
70.	1	Pc. 1/2" watts No. 44 Temp. & pressure relief valve.				
71.	1	Pc. 1/2" Std. galv. C.I. tee.				
72.	1	Pc. 3-gal. electric water heater, 12-1/2" dia. x 14-1/4" high, round under-sink type, 600 watt, 110 volt, single phase with automatic thermostat, steel tank, baked enamel outer jacket on fiberglass insulation & 1/2" water conns. Teter Bantam Heater Co. No. BS3R, Johnson Trlr. Sales, 4023 E. Sprage Ave., Spokane, Washington. Pacific Plumbing Supply, 3825 - 1st Ave. So., Seattle, Washington.				
73.	1	Pc. Vitreous water closet combination with tank & trimmings, siphon jet, elongated bowl, 3/8" angle supply with stop & escutcheon to wall, Church #2500 black open front seat less cover & include bolts & china bolt caps. Anstan F-2050 or equal.				
74.	1	Pc. 20" x 18" Vitreous china lavatory w/4-1/2" high back, include one R-2212 self-closing hot water faucet, one 722 Chicago Faucet Co. combination bubbler & faucet, 2 pcs. 3/8" angle supplies w/stops & escutcheons to wall, one 2542 pop-up drain w/tail piece & 1-1/4" 17 ga. chrome P-trap w/C.O. & escutcheon & brass-chrome male IPS waste connection. Anstan F-351 or equal.				



N. P. 1019
6-24

NORTHERN PACIFIC RAILWAY CO.

GEN'L STOREKEEPER'S REQ. NO. _____

DIVISION " " _____

SHEET 10 " " _____

A. F. E. COMPTROLLER'S " " _____

ED-441

Job #3140

St. Paul, Minnesota - February 24, 1964

TO THE DIRECTOR OF PURCHASES,

THE FOLLOWING ARTICLES ARE REQUIRED FOR RAILWAY COMPANY'S USE, AND SHOULD BE DELIVERED

TO

O. R. WOLD, B&B Supvr.

AT

Bruce, Wash.

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ITEM NO.	QUANTITY	DESCRIPTION OF ARTICLES	ESTIMATED COST	DELIVERY REQUIRED (DAYS)	FOR WHAT PURPOSE ORDERED	ON HAND AND DUE
75.	1	Pc. Septic tank, 500 gal. capacity w/inlet & outlet baffle. Unit approx. 60" dia. x 54" deep. May be manufactured of steel or concrete to conform to Bruce, Washington local, County & State codes. Bidder to give complete information of unit offered including detail of construction. San-Equip. Co. #850 or equal. (Obtain quotations from local Washington sources.)			IDAHO DIVN. Depot, Bruce, Wash. '64 B.I. 230	
76.	1	Pc. Septic system distribution box approx. 17" wide x 24" lg. x 13" deep with 6" inlet & 4" outlets. San-Equip. Co. #704 or equal. (Obtain quotations from local Washington sources.) For details see Architect's Plan 87-25. Mark papers, tags, packages: JOB #3140. Delivery: Item 2 as called for by Supervisor. Other items MARCH 20, 1964. Refer Items 1, 18 thru 25, 35 & 72 thru 74 to Chief Engineer for recommendations.				
1s	cc: DHS(2) RGB VRS NML ORW(5) MFG JEH DSS ELM(3) ACC					

APPROVED

Chief Engineer

Architect

(SIGN HERE)

(TITLE)

FOR THE PRESIDENT

GENERAL STOREKEEPER

St. Paul, Minnesota
February 20, 1964

12701

Mr. M. C. Wolf:

Approved 1964 Budget Item No. 230 covers construction of the new prefabricated wood depot at Bruce, Washington.

For your use in preparing AFE, I am attaching print copy of estimate dated February 7, 1964 in the net amount of \$11,250.

For the narrative you are referred to Chief Engineer's File No. 12701 and the 1964 Budget File, and Architect's Plan File No. 87-25 has been prepared for the work.

D. H. SHOEMAKER

Chief Engineer

ACC:12
Enc.

3140
2/7-64

DEPOT
BRUCE, WASH.
1964 B.I. 230

Estimate of cost of constructing a	Ref. CE file 12701
prefabricated wood building	Let R.G.B. 11/25-63
16' x 32' x 8' high with a 3'4" x 8'0"	" N.M.L. 12/26-63
bay, on concrete foundation	" FLS 12/27-63
and floor. Building to be provided	" A.J.H. 1/3-64
with electric lighting, toilet with	" FLS. 1/28-64
water connection, septic tank	Sk. Div. Engr. Spokane 11/19-63
with drainage field, communication	Arch. plan file 87-25 2/4-64
train order signal and heating.	

WORK BY CO. FORCESA & B

		<u>L</u>	<u>M</u>
Excavation	50 CY.	150	—
Compacted fill	58 "	90	60
Concrete footings & walls	21 "	735	525
" " & platform	7 "	175	140
Reinforcing	1100 #	75	90
Exp. jt. mtl.	100 LF	20	10
Prefab wood bldg.		500	2500
Vinyl tile floor	345 sf	70	140
Stair railings		30	45
Rubber platform bumpers		10	40
Gutter and downspout		10	10
Painting		350	70
Depot signs		60	150
Furniture, counter desk chairs etc		100	1000
Plumbing 1 toilet, 1 lavatory		150	200
Electric water heater 3 to 6 gal.		25	30
Water connection		40	20
Septic tank and drain field		250	200
Electric wiring & lighting		650	650
Communications		155	190
Branch line type train order signal S.H.		50	150
Heating electric - (4) units wall type		40	180

Engr. & Incid.

375

590

4110

6990

4110

11100

<u>Optg. Exp.</u>	<u>L</u>	<u>M</u>
Remove car body depot	90	—
" 10'x12' tool house	30	—
Connection to water main	20	10
Electrical work	<u>25</u>	<u>—</u>
Engr & Incid.	15	10
	<u>180</u>	20
		180
		<u>200</u>

<u>Salvage</u>	
- Car body depot	35
Tool house 10'x12'	15
Total Salvage	<u>50</u>

<u>Summary</u>	
Cost of A & B	11,100
" " O E	<u>200</u>
	11,300
Less salvage	<u>50</u>
Net amount —	\$ 11,250

OFFICE OF
CHIEF ENGINEER.

JAN 31 1964

NORTHERN PACIFIC RY. CO.
ST. PAUL, MINN.

Seattle, Washington
January 28, 1964

2224-1

Mr. D. H. Shoemaker:

Referring to your letter January 9, File 12701,
submitting revised plan for the new depot at Bruce,
Washington:

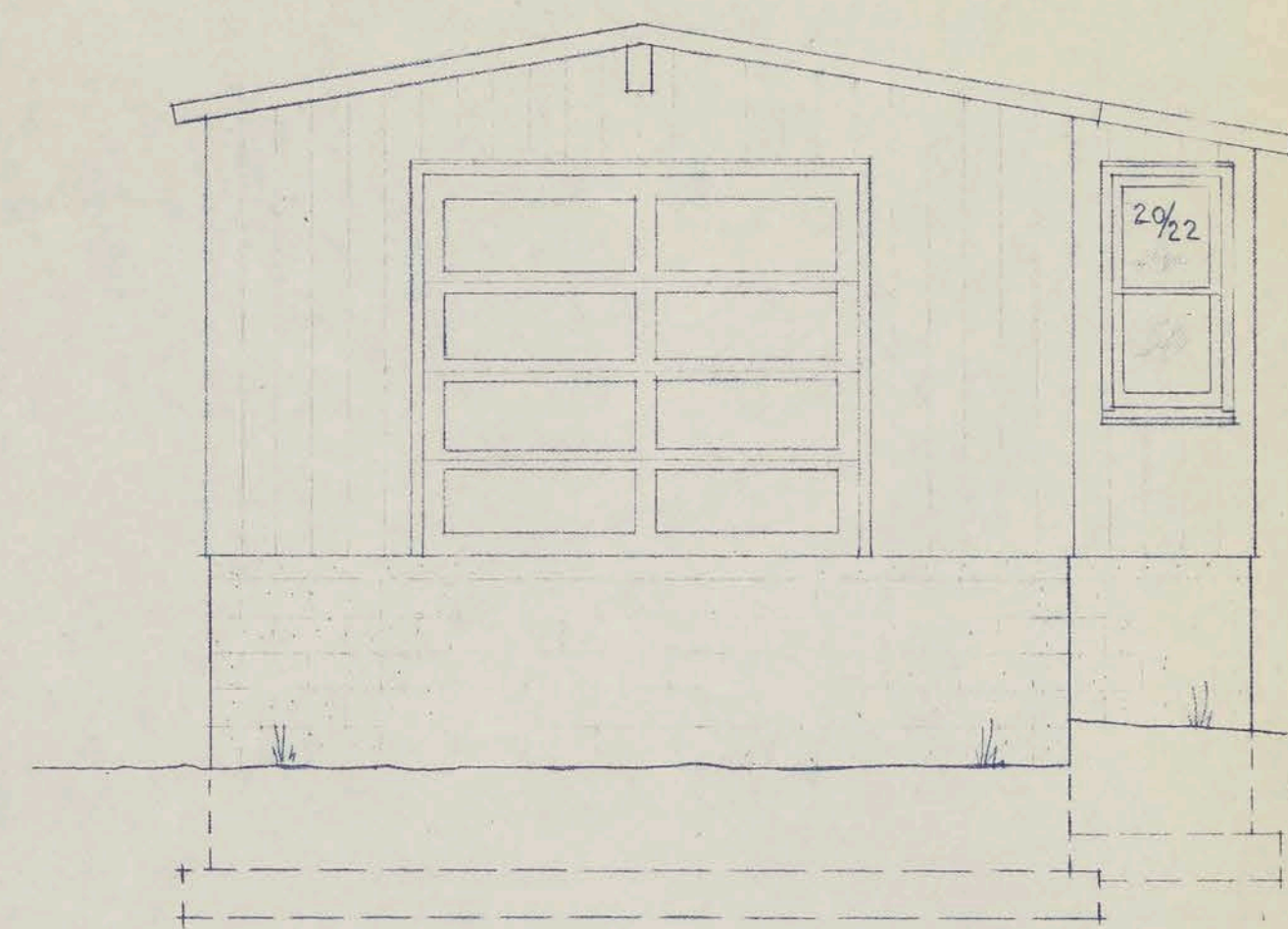
The proposed plan dated January 8, 1964 is
satisfactory.

J. L. Steinbright

cc: Mr. N. M. Lorentzsen

CAK
1/31

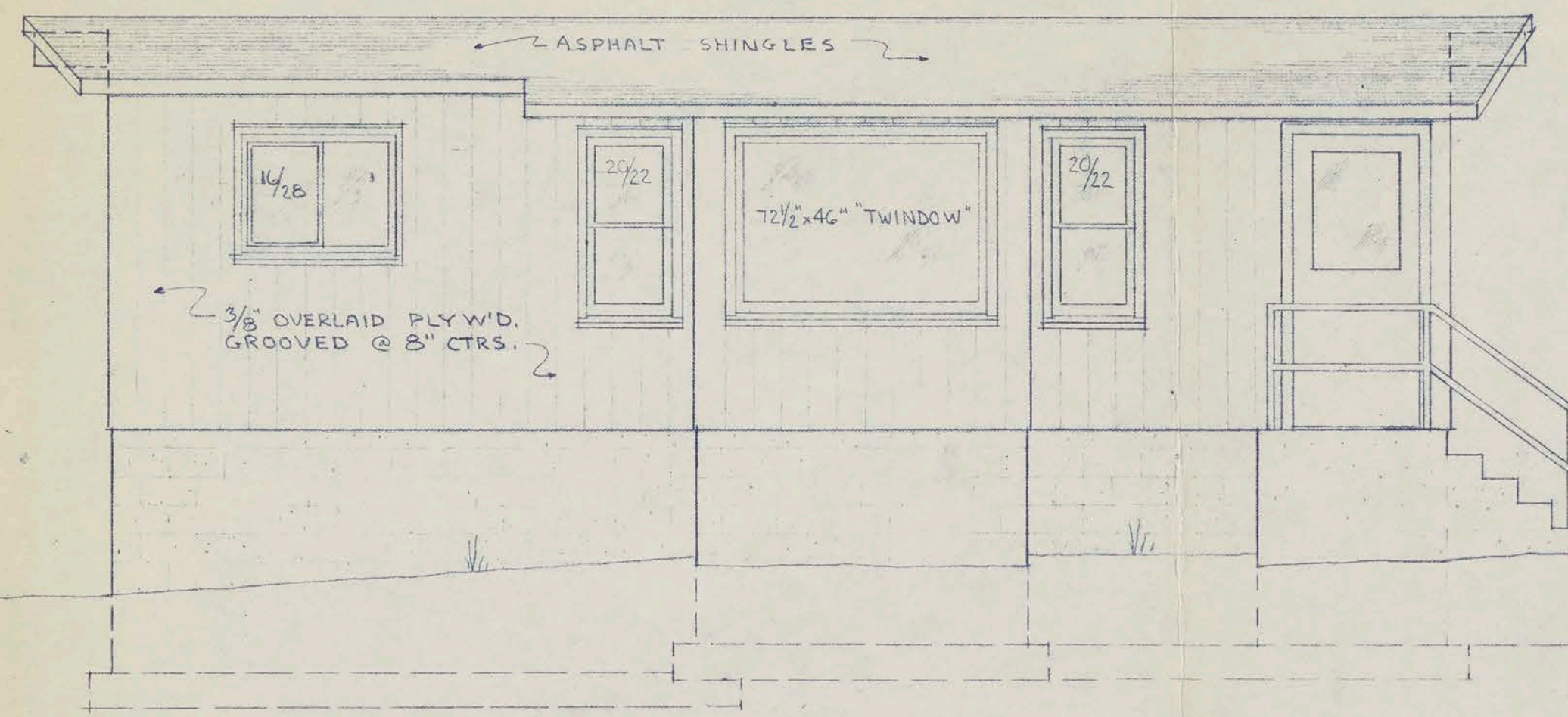
RB. plan & regn
MTA - Est



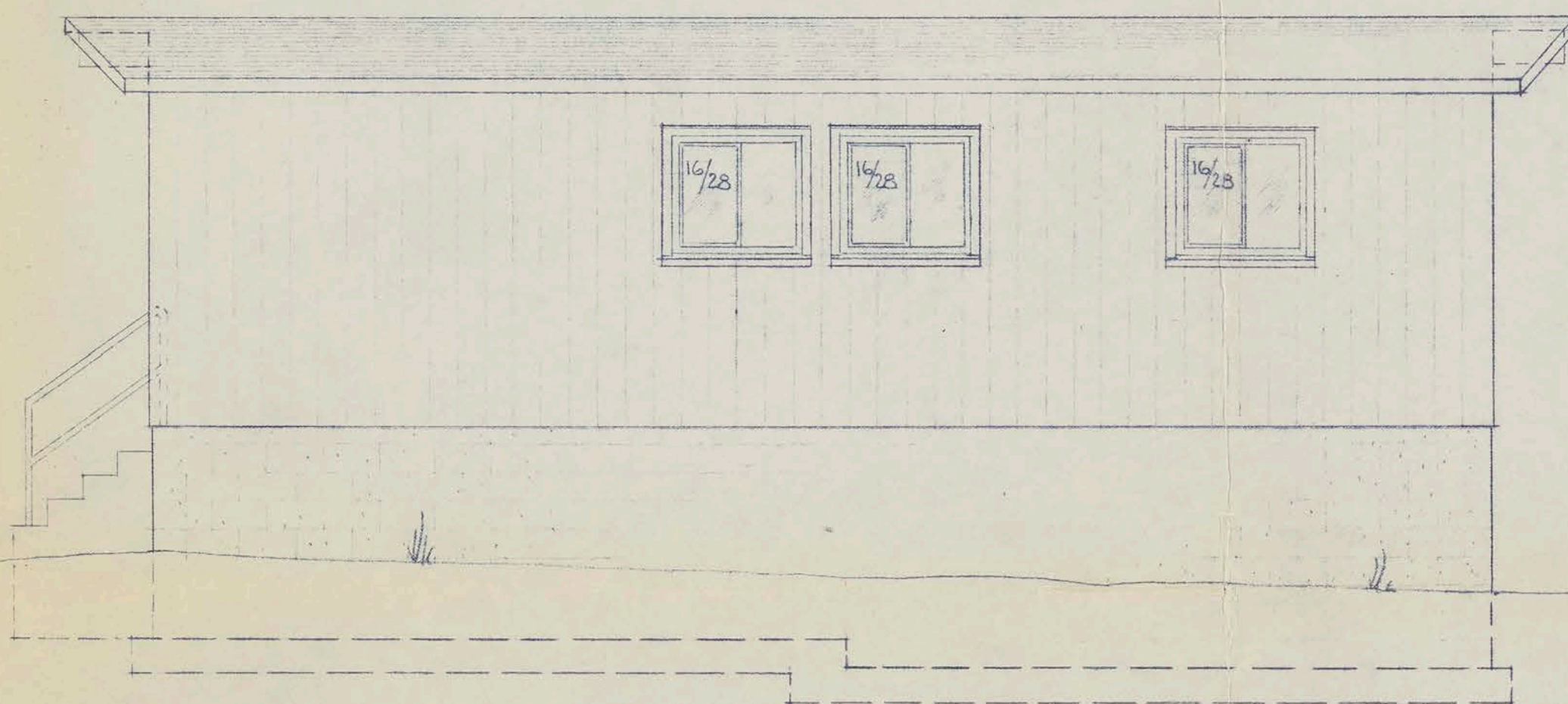
NORTH ELEVATION
SCALE: 1/4" = 1'-0"



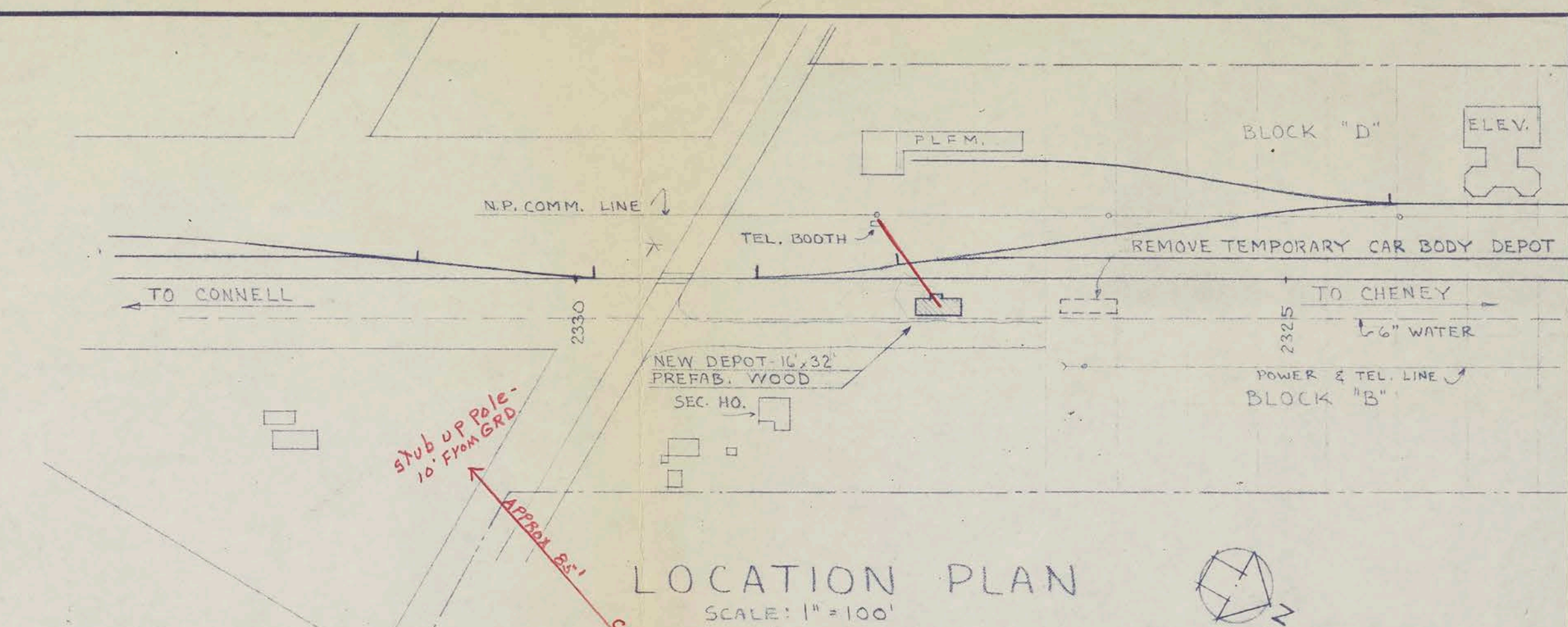
SOUTH ELEVATION



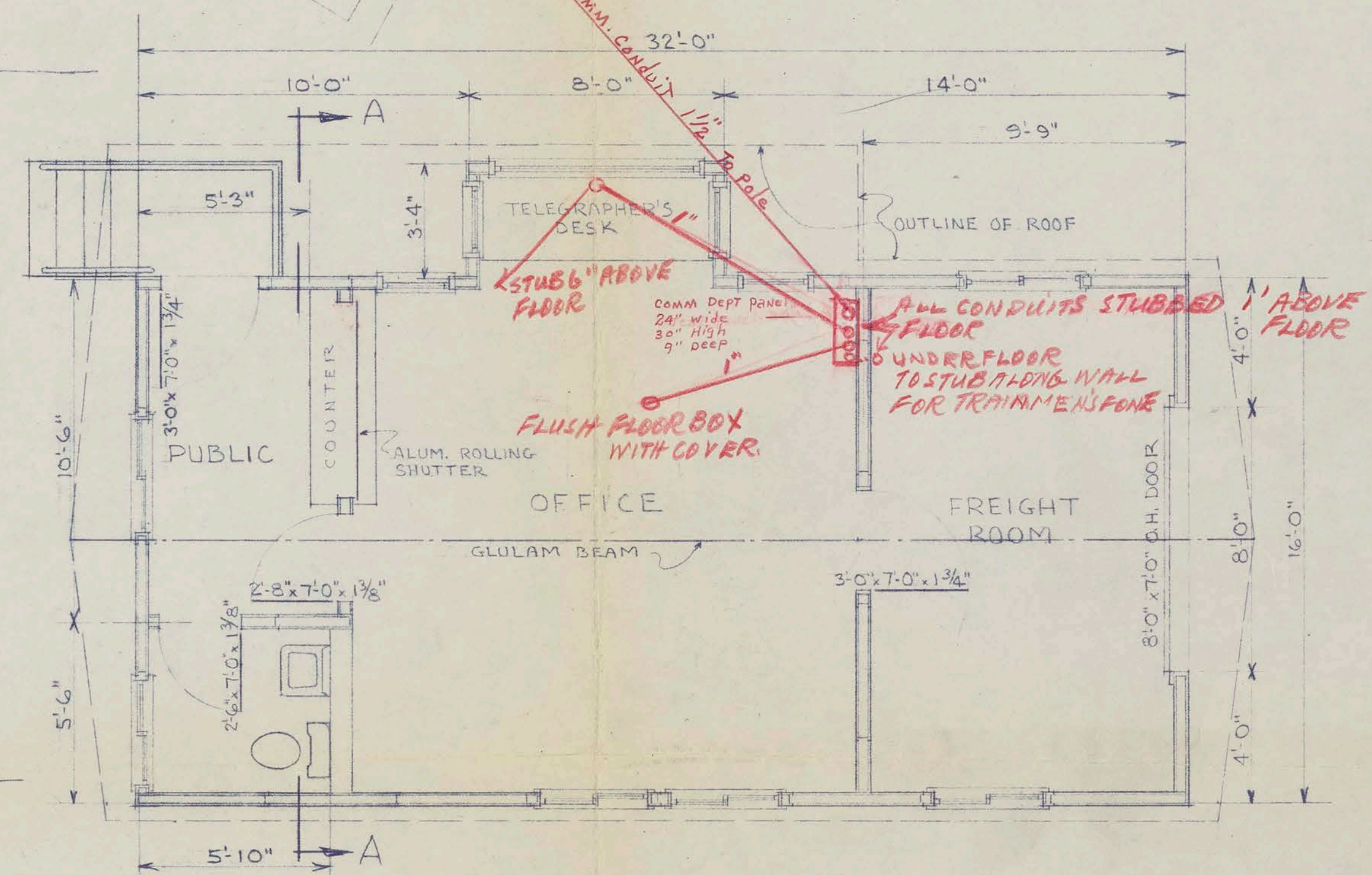
WEST ELEVATION



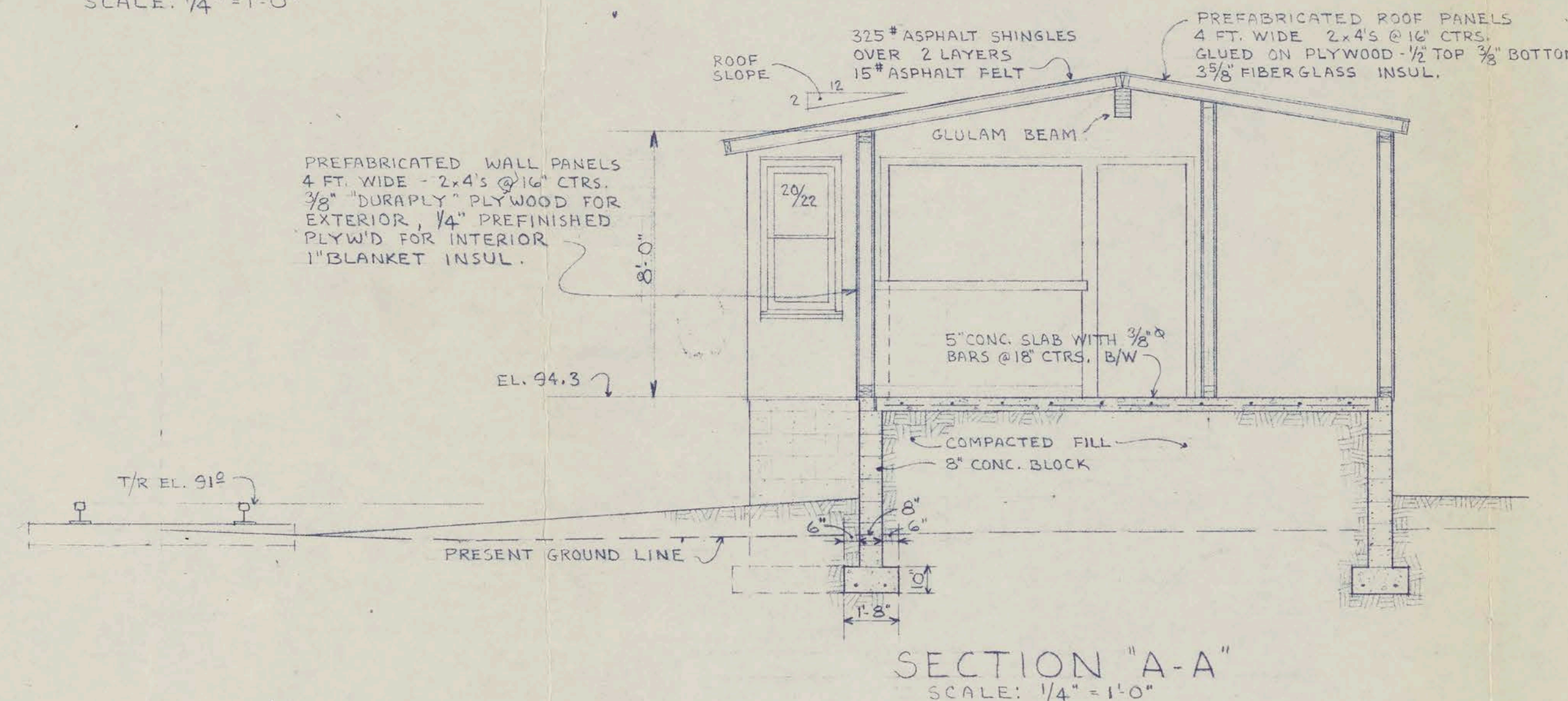
EAST ELEVATION
SCALE: 1/4" = 1'-0"



LOCATION PLAN
SCALE: 1" = 100'



FLOOR PLAN SCALE: 1/4" = 1'-0"



SECTION "A-A"
SCALE: 1/4" = 1'-0"

'64 BUDGET ITEM #230

NORTHERN PACIFIC RAILWAY
ENGINEERING DEPARTMENT
IDAHO DIVISION 8TH SUB-DIV.

DEPOT
BRUCE, WASH.

RECOMMENDED BY:		APPROVED BY:	
OFFICE OF ARCHITECT		ST. PAUL, MINN.	
DATE		DATE: 12/3/63	
REVISIONS		SCALE: AS NOTED	
DATE	DR. CH.	DR. R. B.	TR. CH.
		AFE. NO.	JOB. 3140
		SHEET 1 OF	FILE NO. 71-60

12701

**OFFICE OF
CHIEF ENGINEER**

JAN 20 1964

NORTHERN PACIFIC RY. CO.
ST. PAUL, MINN.

St. Paul, Minnesota
January 20, 1964

14 - Bruce

Mr. D. H. Shoemaker:

Referring to your letter of December 9, 1963, File 12701, to Mr. F. L. Steinbright, copy to me, regarding new depot at Bruce, Washington, 1964 Budget Item No. 230.

Attached hereto is estimate, in duplicate, together with one marked print covering estimated Communications Department cost.

DC Hill

Attach.

*ACC
1/21*

*RB for plan
MTA for est
ACC
1/21*

ESTIMATED COST TO INSTALL TELEPHONE IN NEW DEPOT AT BRUCE, WASHINGTON

(COMPANY EXPENSE)

PERMANENT MATERIAL

1	Test Panel, 24"x30"x9"	@ 100.00 ea.	100.00
1	Telephone, Dial, Stromberg Carlson #1543-W DE 212	@ 31.00 ea.	31.00
200 Ft.	Cable, 6 Pair	@ 126.27 M'	25.24
			156.24
	Contingencies on material, 10%		15.62
			171.86
	Store Expense, 10%		17.19
			189.05

PERMANENT LABOR

2 Days	Maintainer	@ 22.03 day	44.06
2 Days	Lineman	@ 21.55 day	43.10
			87.16
	Contingencies on Labor, 30%		26.15
			113.31
	Subsistence, 4 days	@ 10.00 day	40.00
			153.31

S U M M A R Y

Permanent Material	190.00
Permanent Labor	155.00
	<u>\$345.00</u>

Spokane, Washington
January 16, 1964



St. Paul, Minnesota
January 9, 1964

12701

Mr. F. L. Steinbright:

Please refer to your letter dated December 27th and Mr. Lorentzen's letter dated December 26th regarding proposed plan revisions in connection with Budget Item No. 230, New Depot at Bruce, Washington.

For further review, I am attaching two prints of sketch dated St. Paul, January 8, 1964, covering the floor plan as suggested by Mr. Lorentzen. When reviewing this drawing in comparison with originally submitted Plan No. 71-60, note should be made of the additional doors required to be locked or unlocked. I would also call to your attention the new depot being constructed at Enumclaw where a rolling aluminum screen was provided and no problems are anticipated.

Mr. Lorentzen's comments on the foundation are also noted and will be taken care of.

D. H. SHOEMAKER

Chief Engineer

ACC:ic
Enc.

12701

OFFICE OF
CHIEF ENGINEER

JAN 6 1964

NORTHERN PACIFIC RY. CO.
ST. PAUL, MINN.

St. Paul, Minnesota
January 3, 1964

File: 920-D

Re: New depot at Bruce, Washington.

Mr. D. H. Shoemaker:

Reference is made to your December 9, 1963 letter, file 12701, to Mr. Steinbright, copy to me, in regard to Budget Item 230-64, New Frame Depot at Bruce, Washington.

There will be no signal work involved in the new depot other than the installation of a branch line type train order signal. A usable second-hand unit is available on the Western District and will be installed after the new depot is constructed.

CHD/lmj

cc: FVS

CHD says
L M
50 150

A J Hendry.

ANTA-RB

12701

OFFICE OF
CHIEF ENGINEER

DEC 30 1963

Seattle, Washington
December 27, 1963
NORTHERN PACIFIC RY. CO.
ST. PAUL, MINN.

Mr. D. H. Shoemaker:

Please be referred to your letter December 9,
File 12701, concerning new frame depot at Bruce, Washington
as per 1964 Budget Item No. 230.

You received a copy of Mr. Lorentzsen's letter
December 26 suggesting that proposed plan be revised. I
would appreciate if a new sketch was prepared as per Mr.
Lorentzsen's suggestions for further review.

J. H. Steenburgh

cc: Mr. N. M. Lorentzsen

McC
Alch...
11/2/30

YRS

12701

OFFICE OF
CHIEF ENGINEER

DEC 28 1963

NORTHERN PACIFIC RY. CO.
ST. PAUL, MINN.

Spokane, Washington
December 26, 1963

Mr. F. L. Steinbright:

Referring to your letter of December 12 attaching copy of Mr. Shoemaker's letter of December 9 about Budget Item No. 230 covering construction of a new frame depot at Bruce:

It is suggested that the proposed plan be revised to relocate the "public" room adjacent to the freight room on the track side, with the wash room relocated on the opposite end and with the "counter" between the "office" and "public" room. It is further suggested, in line with these changes, that the "telegrapher's desk" be moved to a point about opposite the location of the "counter" as presently shown on the plan. It is realized that relocating the public room as suggested would result in the public having to walk around the outside of the telegrapher's bay window but this would not appear unreasonable or objectionable.

It is suggested that two doors be provided to the relocated wash room, one from the "public" room and one from the "freight" room, the latter for use of the train and engine crews at night when necessary, this door to be locked with a switch lock.

It is felt that a solid concrete wall and footings would be preferable to concrete blocks and ready-mix concrete is available at both Warden and Othello. It is recommended that a concrete platform 10' wide, extending 8' from wall, be provided opposite the freight room trucking door, with rubber-faced bumper on the truck approach side. OK

Revision of the plan as above suggested would eliminate the necessity for using an aluminum rolling shutter which it is felt would be undesirable.

Furniture that will be required for the proposed new depot is a desk for the Agent, one table, one 4-drawer steel file, a safe, a typewriter table and three chairs. Safe should be recessed into counter and counter should have sliding doors and suitable shelving for stationery and record storage.

ORIGINAL SIGNED
N. M. LORENTZSEN

Superintendent

cc - Mr. D. H. Shoemaker

Handwritten notes:
RB
Hold for
reply from
others
all
12/30
PACCC
11/2/30

St. Paul, Minnesota
December 9, 1963

12701

Mr. F. L. Steinbright:

Please refer to approved 1964 Budget Item No. 230, covering a new frame depot at Bruce, Washington.

Attached for your review and comments are two prints of Sheet 1, Architect's plan file No. 71-60.

After receiving the survey from the field, we received later telephone information that the floor of the freight room should be raised to truck height. In order to accomplish this, it will be necessary to raise the floor of the entire structure and plans cover such a frame building on a concrete block foundation. When the floor of the structure is raised, it then becomes difficult to provide the separate entrance to the toilet room which was requested for the use of train crews tying up at Bruce; in lieu, thereof, we would propose providing a switch lock on the main door of the depot and closing off the office portion of the depot by providing a rolling aluminum shutter and locking the door between the public space and the office. The only units of furniture shown under this plan are the counter and the telegrapher's desk and I would appreciate advice as to what other units, if any, should be provided.

Field survey did not cover the necessity for providing a small platform at the trucking door and may I please have advice as to whether same should be provided for convenience or to protect the eaves as was found necessary at Thompson Falls.

Estimate for AFE and requisition will be held in abeyance pending receipt of your comments. However, I believe we are far enough along so that I can send two prints of the above plans to Mr. Hill and Mr. Hendry with request that they return one print marked to show the Communications and Signal work involved and furnish me with estimated cost thereof.

D. H. SHOEMAKER

Chief Engineer

ACC:ds
enc.

cc: Mr. D. C. Hill - enc.
Mr. A. J. Hendry "

OFFICE OF
CHIEF ENGINEER

NOV 29 1963

NORTHERN PACIFIC RY. CO.
ST. PAUL, MINN.

12701
Seattle, Washington
November 25, 1963

Bruce - 1

Mr. D. H. Shoemaker:

Regarding your request of November 4, file 12701, for field data in connection with new frame depot at Bruce, Washington, as covered by 1964 Budget Item #230:

Arch's
File 3140
Attached is one print and direct positive each of location sketch and cross sections, both dated Spokane, November 19, 1963. Division Engineer Scovill has reviewed the proposed depot plan with Superintendent Lorentzsen and you will note that a rear door has been shown to provide access to the toilet room from the outside for use by train crews who might tie up at Bruce. The outside door will be locked using a switch lock and double doors have been suggested to prevent freezing of the facilities. The inner door will also be provided with a lock so that access cannot be gained to the depot when the agent is not on duty. Following items should be considered when preparing estimate:

Construct 16' x 32' frame depot building

Place septic tank and drain field

Make electrical, water and communication connections

Remove 10' x 12' tool house and temporary car body depot

R. G. Buchanan
District Engineer

REM:dj
Attmts.

cc: V. R. Scovill (1 ea.)

OK
11/29

St. Paul, Minnesota
November 4, 1963

12701

Mr. R. G. Brohaugh:

Approved 1964 Budget Item No. 230 covers construction of a new frame depot at Bruce, Washington.

Please furnish survey showing proposed location with pertinent profiles and cross sections, together with locations for electric, water and sewer services.

ACC:12

D. H. SHOEMAKER

Chief Engineer

12701