

AWM4
Australian Imperial Force unit war diaries,
1914-18 War

Engineers

Item number: 14/16/31

Title: 4th Australian Pioneer Battalion

September 1918



AWM4-14/16/31

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216

Australian Imperial Force.

WAR DIARY

OF

4th Australian Pioneer Battalion

FOR

September 1918

4TH AUSTRALIAN
PIONEER BATT^N
No.....
Date.....

Signature of Officer compiling *W.A. Chester, Lieut.*

Signature of Officer Commanding *J. B. Calder*

WAR DIARY
or
INTELLIGENCE SUMMARY.

Army Form C 2118.

Instructions regarding War Diaries and Intelligence Summaries are contained in F. S. Regs., Part II. and the Staff Manual respectively. Title pages will be prepared in manuscript.

(Erase heading not required.)

Place	Date 1918.	Hour	Summary of Events and Information	Remarks and references to Appendices
LONGUEAU. Sheet 62.D.S.W.	1st		Mass Church Parade of 4th Pioneer Battalion, 4th Machine Gun Battalion, and 4th Division Engineers.	
			Service taken by Chaplain BLACKWOOD.	
			Weather. Bright day cool at night.	
	2nd		Battalion training as per Syllabus in morning.	APP'X 4
		Battalion Field Sports in afternoon. Weather. Bright cool day slight wind.	APP'X 5	
	3rd.		Battalion training as per syllabus in morning. One Company on Musketry & Range practice.	APP'X 4
		Weather. Bright cool day. Battalion Sports completed in afternoon.	APP'X 6	
	4th		Battalion training as per syllabus in morning.	APP'X 4
		Tug of War Contests and Inter Company cricket match in afternoon.		
		Weather. Bright hot day.		
	5th		Battalion Inspection in morning by C.O. Weather cloudy in morning, bright cool after noon.	APP'X 6.7.
		G.O.C. 4th Aust. Div. inspected Battalion together with 1st line transport at 3.P.M.		
	6th		Training as per syllabus in morning. Weather. Cloudy and occasional showers.	
	7th		Battalion standing by to move to forward area.	
		Weather. Cloudy and occasional showers.		
	8th		Battalion embussed at LONGUEAU 9.30 A.M. Moved to BIACHES near PERONNE. Sheet 62.C. I.25.c.5.3.	APP'X 8.9.

**4TH AUSTRALIAN
PIONEER BATT^N**

No.....

Date.....

WAAC

D. D. & L., London, E.C.
(A7883) Wt. W809/M1672 350,000 4/17 Sch. 52a Forms/C/2118/14

WAR DIARY

Army Form C. 2118.

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Place	Date 1918	Hour	Summary of Events and Information	Remarks and references to Appendices
LONGUEAU	Sept. 8th		Route taken VILLERS BRETTONEUX Warfusée Abancourt, Proyaf, Chuignes, Chuignelles, Dompierre. Battalion bivouacked for night. Weather. Showery & Cool, windy at night.	
BIACHES. Sheet 62.C. I.25.c.5.3.	9th		Battalion moved from BIACHES to BOIS-de-BIAS, (Sheet 62.C. P.16.c.) by route march through PERONNE Left BIACHES 11.30.A.M. Arrived BOIS-de-BIAS. 3.O.P.M. Bivouacked for night. Showery & cool. and cool.	APP'X 10
BOIS-de-BIAS. sheet.62.C. P.13.19.20.	10th		Battalion route marched to VRAIGNES through BOVINCOURT and took over camp from 5th Aust.Pioneer Battalion. Left BOIS-de-BIAS at 1.P.M.arrived VRAIGNES 3.O.P.M. Weather showery cool and windy.	APP'X 11.12
VRAIGNES	11th		Battalion engaged on works as shown in appendices. Weather. Bright early morning. Showery later.	APP'X 20
"	12th		Battalion engaged on works.As shown in Appendices. Weather showery ^{Cool} showery.	APP'X 21
"	13th		Battalion engaged on works as shown in appendices. Weather . Wet day, fine night.	APP'X 21
"	14th		Battalion engaged on works as shown in appendices. Captain W.J.EARLE ^{MC} and 8 O/Rs proceeded on leave to Australia. Weather. Cloudy and cool.	APP'X 22
"	15th		Battalion engaged on works as shown in appendices. Weather Bright warm day.	APP'X. 23. 24. P

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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	1918.			
	Sept.			
VRAIGNES	15th		Weather.	
	16th		Battalion engaged on works as shown in appendices.	APP'X. 24
			Weather bright & hot day.	
Sheet 62C S.E.	17th		'A' & 'B' Companies moved at 7.30.P.M. to trenches R.L.c5.4. and R.7.a.1.7 & bivouacked for night 'C' & 'D' Companies engaged on works as shown in appendices.	APP'X 25
			Weather. Fine during day. Cold and wet at night. Heavy bombing by Enemy Aeroplanes at night.	
	18th		Zero hour 5.20.A.M. Attack by 4th Aust. Division.	APP'X 26
			Companies engaged on works as shown in appendices. See also Company Commanders reports on the attack.. 'A' Coy moved to K 29 a .4 .4. and prepared camp.	APP'X. 14. 15.
			Weather. Heavy rain during first attack, fine weather after 8.A.M. Fine night.	17. 18. 19.
			Total casualties for the Battalion 3 killed 10 Wounded.	
	19th		Battalion engaged on works as shown in appendices.	APP'X. 27
Sheet 62c S.E.			Advanced Headquarters at. R.7.c.3.9.	
			C Company moved to R.8.6.cent. and prepared camp.	
			D Company moved to R.1.6.0.3. and prepared camp.	
			Weather showery during day. Heavy rain storm at night.	

W.M.A.C.

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Place	Date 1918.	Hour	Summary of Events and Information	Remarks and references to Appendices
VRAIGNES	Sept. 20th		Battalion engaged on works as shown in appendices.	APP'X 28.
			Weather Fine bright cool wind.	
ROISEL.	21st		Headquarters and Transport moved from VRAIGNES to area round ROISEL Via HANCOURT at 12.30.P.M. Camp at VRAIGNES taken over by 46th Division Headquarters. Companies moved to locations given below and prepared Camp there.	
			Headquarters. K.29.c.8.5. 'B' Coy. k.23.a.3.3. 'C' Coy K.23.cent. 'D' Coy k.28.d.2.5.	
			Weather Fine & Bright.	
"	22nd		Battalion carried out improvements in camp.	
			Weather. Heavy storms at night. Showery during the day.	
"	23rd		Companies had muster parades, inspection of Gas Helmets. Specialist training carried on .	
			Weather showery.	
"	24th		Specialist Training . No works,	
			Weather showery all day.	
"	25th		Specialist training. No works.	
			Weather . Wet in morning, fine afternoon and evening.	
"	26th		Specialist training. No works. Weather. Fine bright cool.	

Sheet 62c N.E.

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WAR DIARY APPENDIX

OF

4th AUSTRALIAN PIONEER BATTALION.

FOR

MONTH OF SEPTEMBER 1918.

LIST OF APPENDICES.

No.	Subject.
1.	C.O. APPRECIATION for month ending September 30th 1918.
2.	R.Q.M.'s report for month ending September 30th 1918.
3.	Transport Officer's report " " " "
3a.	Medical Officer's report for month ending September 30th 1918.
4.	Syllabus of Training for week commencing September 2nd 1918.
5.	Programme of Athletic Sports, September 2nd 1918.
6.	Order for inspection of Unit by G.O.C, 4th Division.
7.	Special Order No. 32.
8.	Special Order No. 33.
9.	1st addition to Special Order No. 33.
10.	2nd " " " " " 33.
11.	3rd " " " " " 33.
12.	Div. Engineer Order No. 12 by G.R.E. 4th Division.
13.	Special Order No. 36.
14.	1st addition to Special Order No. 36.
15.	C.O.'s report on operations with Dummy Tanks.
16.	Special Order No. 37.
17.	'A' Company Commander's report on operations September 18th. 18.
18.	'B' " " " " " " " "
19.	Notes on enemy defences of Le VERGUIER.
19a.	Casualty report.
20.	Works Report for September 11th. 1918.
21.	" " " " " 12th and 13th 1918.
22.	Road reconnaissance and repairs September 14th 1918.
23.	Orders for building Div. Artillery Headquarters.
24.	Works Reports for September 16th 1918.
24a.	" " " " " 15th 1918.
25.	" " " " " 17th 1918.
26.	" " " " " 18th 1918.
27.	" " " " " 19th 1918.
28.	" " " " " 20th 1918.
29.	Sketch of Le VERGUIER and defences.
30.	" " Dugout.
31.	" " Lewis Gun Carriers.
32.	GRAPH showing Battalion strengths etc.

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4 TH AUSTRALIAN PIONEER BATT ^N
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4th AUSTRALIAN PIONEER BATTALION.Commanding Officer's appreciation for Month of September 1918.

For the first week of month the Battalion was at LONGUEAU during which time some very useful training was done. Battalion embussed at LONGUEAU on morning of the 8th instant for BIACHES when it bivouaced for the night. While here two men were injured by a German "booby trap". The following day Battalion moved to neighbourhood of St. CRIN where it again bivouaced for the night in some copses and banks. During the night there was a very heavy storm and most of the men and officers were flooded out. On the 10th the Battalion moved up to VRAIGNES and took over from the 5th Australian Pioneers. There was not a great deal of work to be done for the first few days. Two companies were employed repairing roads in the area in front of line running through BERNES and FLECHIN, the work up to that line being done by Corps Troops. No metal was available for this work and use was made of bricks from the neighbouring villages. The remaining two companies were employed erecting notice boards in the divisional area, and salvaging corrugated iron of which there was a great quantity in the area from the various hutments and stables, which the Germans only partly destroyed when retreating. On the 15th two companies were put on building Headquarters for the Divisional Artillery, 4th and 12th Brigades and Machine Gun Battalion, in preparation for the operations which took place on the morning of 18th. These headquarters were not completed as well as could have been wished, owing to there being too much work for the number of men available. 'A' and 'B' Companies were detailed to roads and tracks and erect notice boards in each Brigade area after the attack which they did very successfully, while 'B' Coy in addition taped a track from Brigade Headquarters forward. 2nd/Lieut. CALDER (who only joined a few days previously) and 12 men were given this work which was successfully performed, in spite of the fact that 10 out of the 12 men became casualties. 2nd/Lieut CALDER has been recommended for the Military Cross for this work and the two men with him for the Military

Medal/

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(2)

APPENDIX No 1.

Medal. Following the operation two companies remained repairing metal roads, brick only being available, while the other two companies were employed assisting Brigades in consolidating red line. On the 21st the Battalion was relieved by the Pioneers of 46th Division, Battalion Headquarters being taken over for Divisional Headquarters and the Battalion moved to near ROISEL. Here a camp was built and the Battalion remained unemployed standing by for use if required in the operations commencing on 29th.

J. F. Huttledge

Lieut-Colonel.

C.O. 4th AUSTRALIAN PIONEER BATTALION.

WATC

4 TH AUSTRALIAN PIONEER BATT ^N
No.....
Date.....

WAR DIARY.4th Australian Pioneer Battalion.R.Q.M.'s report for Month of Sept. 1918.

RATIONS. These have been good throughout the month. The new scale came into force only towards the end of the month and its effect cannot yet be properly gauged.

D.A.D.O.S. Drawings have been light as the Battalion was reclothed and equipment brought up to date at end of August.

BOOTMAKERS. Work has been normal and the present staff has been able to cope with all requirements.

TAILOR. He has been kept hard at work throughout the month and to properly cope with all the work that could with advantage be done. I consider it advisable to obtain the services of another tailor in addition and also if possible, to purchase a proper tailor's sewing machine.

BATHS. The Battalion was bathed 3 times during the month.

(Signed) B. COOK. Captain.
R.Q.M.

WMA

4 TH AUSTRALIAN PIONEER BATT ^N
No.....
Date.....

WAR DIARY.

4th Australian Pioneer Battalion.

TRANSPORT OFFICER'S report for Month of September 1918.

Transport Section.

1st to 8th resting at LONGUEAU. Five G.S. and five Double Limbers and two Water Carts working daily 8th to 12th.

Moving Battalion from LONGUEAU rest area, Via PERONNE to VRAIGNES Fifty five Kilometers, forward area zone.

Transport duties fairly heavy including forward works with a daily average of six G.S., five Double Limbers and two Water Carts teams.

18th. Moved 'A' and 'B' Coys forward brought German Field to lines.

19th. Moved 'C' and 'D' Coys to new camps in forward area. Transport duties normal.

20th. Six G.S. Waggon on forward works. Battalion Transport as usual.

Eight G.S. Waggon, Nine Drivers and eighteen H.D. Horses attached from A.A.R.C

21st Moved Battalion to ROISEL.

22nd to 30th. Transport duties light. Three double Limbers Four G.S. Waggon and two Water Carts daily standing ready to move.

(SIGNED) J. R. HORNE Lieut.
A/Transport Officer.

W.H.C



MONTHLY SICK REPORT.4th Australian Pioneer Battalion.MONTH ending 30th September 1918.

Number reported sick.	Number of men evacuated Sick.	Number of men evacuated wounded.	Number of men killed	Number of men Missing	Number of Officers Killed	Number of Officers Sick.	Number of Officers wounded.	Number of men died of wounds	Number of cases Diarrhoea	Trench Fever	Trench Feet.	V. D. C. A. S. E. T.			
												Discov-ered	Evacua-ted	Under treatment	
262.	56.	13.	4.	Nil.	Nil.	Nil.	Nil.	1.	29.	Nil.	Nil.	10.	17.	1.	

C. H. Norton Captain.
R. M. O.

4TH AUSTRALIAN
PIONEER BATT^N

No.....

Date.....

MSAC

APPENDIX 3/1

11

4th. AUSTRALIAN PIONEER BATTALION.

SYLLABUS OF TRAINING.

Week commencing 2nd September 1918.

	9.0. to 9.30.	9.30. to 10.30.	10.30. to 11.30.	11.30 to 12.30.	AFTERNOON.
MONDAY.	Battalion Parade. C.O's Inspection.	Close Order Drill Rifle Exercises Musketry.	Physical & Bayonet Training.		Sports Meeting.
TUESDAY.	Do.	Do.	Do.	Platoon in attack.	Do.
WEDNESDAY.	Do.	Fitting Equipment.	Do.	Do.	Do.
THURSDAY.	Do.	Close Order Drill Rifle Exercises Musketry.	Do.	Do.	Do.
FRIDAY.	Do.	Do.	Do.	Company in attack.	Do.
SATURDAY.	Do.	Do.	Do.	Do.	Do.
SUNDAY.	C H U R C H P A R A D E .				

NOTE:- A competition will be held for the best Platoon in the Battalion for prize to be presented by C.O.

Platoons will be judged on the following points;- Turnout, including cleanliness of Arms and Equipment, Rifle Exercises, Drill (close and open order) fire discipline and control general.

msac

4TH AUSTRALIAN
PIONEER BATT^N

No.....

Date

J.F. Kettle

Lieut-Colonel.
C.O. 4th AUSTRALIAN PIONEER BATTALION.

APPENDIX 4

4th AUSTRALIAN PIONEER BATTALION.

Athletic Sports.

FRANCE 2nd September 1918

OFFICIALS.

JUDGES. Lieut-Colonel. T.L.F. RUTLEDGE.
 Major ... G.D. HORNE. M.C.
 Captain... G.U. HIDDLESTON.
 " ... R.W. WILD.
 " ... P.A.A. LAMBERT.
 " ... H.J. STOREY.

SCORER. Lieut. ... P.T. HAYTER.

STARTER. Sergeant. NEWTON.

ASST. STARTERS. Lieut. ... G.L. DUEN. M.C.
 Sgt. ... POLLOCK.
 " ... EVANS.

ENTRIES for open events will be taken by Officers and O/Ranks stated below:-

All Horse Events. Lt. Charlton & Cpl. Hannify.
 High & Long Jump. " Bradshaw & Sgt. Muir. M.M.
 Obstacle Race. " Robertson & L/Cpl. Hillier.
 Old Buffers Race. " Hilton. & Pte. Smith.
 Potato Race. " Sides. & Sgt. Cowell.
 Officers Race. " McPhee.

CLERKS of COURSE. Lt. Whitehead. D.C.M.
 " WOOD.

Secretary.
Athletic Sports.

more



4th AUSTRALIAN PIONEER BATTALION.

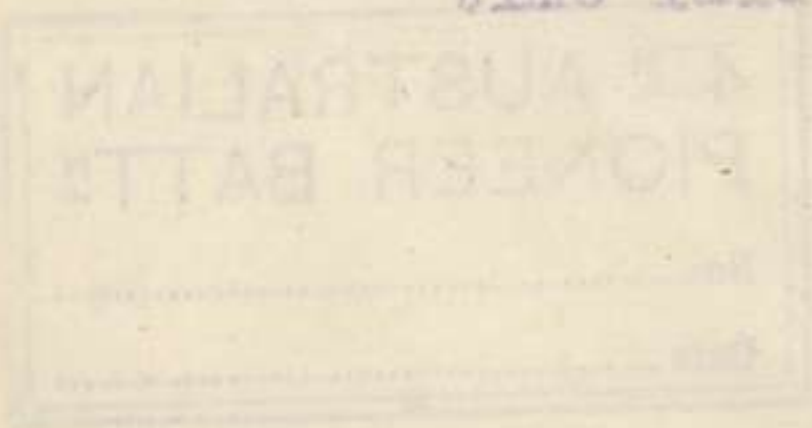
ATHLETIC SPORTS.

FRANCE, 2nd September 1918.

PROGRAMME

	Time of Starting	
1. 100. Yards. 4 Heats.	10.30 A.M.	
2. Potato Race.	1.14 "	
3. High Jump.	1.20. "	
4. Semi-Final, 100 Yards. 2 Heats.	1.40. "	
5. Officer's Hacks. Trot.	1.45. "	
6. Officer's 100 Yards.	1.55. "	
7. Final. 100 Yards.	2.05. "	
8. Mens Mule Race.	2.15. "	
9. Tag of War. 1st Round.	2.15. "	
10. 220 Yards.	2.35. "	
11. Old Buffers Race. 75 Yards. 2 Heats.	2.40. "	
12. Officer's Hacks Walk.	2.50. "	
13. Officer's Mail Race.	3.0. "	
14. Tag of War. 2nd Round.	3.10. "	
15. Old Buffers Race. Final.	3.25. "	
16. Bandman's Race.	3.30. "	
17. Obstacle Race.	3.35. "	
18. Long Jump.	3.50. "	
19. Tag of War. Final.	4.10. "	
20. Musical Chairs.	4.20. "	
21. Flag Race.	4.35. "	
22. N.C.O.'s Mule Race.	4.45. "	
23. 360, Yards.	4.55. "	
24. Wrestling on Mules.	5. 5. "	

COMPETITORS for all events to be ready 5 minutes before time laid down in programme.



APPENDIX No. 6.

No.G. 10/603.

Headquarters,
4th Australian Division.
3rd September 1918.

- 4th Aust. Inf. Bde.
- 12th " " "
- 13th " " "
- C. R. E.
- 4th Aust. Pioneer Bn.

The Divisional Commander will inspect the undermentioned Units with their first Line Transport, on dates shown, at places to be selected by Brigadiers, C.R.E and O.C. Pioneer Battalion. The location of these sites will be forwarded to this Office as early as possible.

5th Sept.	3.P.M.	-	4th Pioneer Battalion.
6th "	10.A.M.	-	13th Aust. Infantry Brigade.
6th "	2.30.P.M.	-	4th, 12th, 13th Field Coys. Engineers.
7th Sept.	10. A.M.	-	4th Aust. Infantry Brigade.
9th "	10. A.M.	-	12th Aust. Infantry Brigade.

Brigades will be formed up in MASS formation, (as strong as possible), with Transport in rear.

Programme. Receive G.O.C, with "General Salute".
 Inspection of Battalions, etc, at the Order, Bayonets fixed.
 Inspection of Transport.
 On completion of inspection, march past in column of Route.
 Transport will march past on Column of Route in rear of whole Brigade in order of march of Units.

DRESS. "Fighting Order", (Greatcoats and W.P.Sheets to be carried).

(Signed) E.G.Plant. MAJOR.
 General Staff.
 4th Australian Division.

Copy to - "Q"

MSAC

4TH AUSTRALIAN
 PIONEER BATT^N
 No.....
 Date.....

4th AUSTRALIAN PIONEER BATTALION.SPECIAL ORDER No. 32.5th September 1918.

- (1) The G.O.C, 4th Australian Division, will inspect the Battalion together with first Line Transport, at 3.P.M. today.
- (2) Markers will report to R.S.M. on Battalion Parade Ground at 2.15.P.M. sharp.
Battalion including Transport will be formed up at 2.30.P.M. sharp.
- (3) Every available man must be on parade, including Company Quartermaster Sergeants. The undermentioned personnel only will be kept in Company billets.

Orderly Room Clerk. Storeman. One Batman.

- (4) DRESS. Fighting Order. Great Coats and Water Proof Sheets to be carried neatly rolled on top of Haversack, as verbally arranged with O's.C., ~~Compa~~ Company's. Haversacks to be neatly packed.

Hats to be worn with chin straps under point of chin.

Webb equipment to be correctly fitted and 120 rounds S.A.A. to be carried.

Gas Respirators to be carried.

OFFICERS will wear Australian Pattern Tunic and Hats, Belt and Braces. Haversack slung on right shoulder. Water bottle on left shoulder.

Revolver to be carried on right side of belt, pouch on left side.

EVERY CARE MUST BE TAKEN AS REGARDS NEATNESS AND CLEANINESS OF DRESS GENERALLY.

- (5) COOKERS will be thoroughly cleaned up in readiness for Transport Officer to pick up at 2.P.M.

LEWIS GUNNERS, Company Signallers and Stretcher bearers will carry rifles at the slope.

HEADQUARTERS Signallers will sling rifles and carry flags.

BAND will wear belts.

L. McCallion Lieut & Adjutant.
For C.O. 4th AUSTRALIAN PIONEER BATTALION.

Issued at 10.45.A.M.

Distribution.:-

- Copies . 1 to 4. Companies.
5. T.O.
6. R.Q.M.
7. R.S.M.
8 to 11. War Diary.

W.M.C.

4 TH AUSTRALIAN PIONEER BATT ^N	
No.
Date

4TH. AUSTRALIAN PIONEER BATTALION ORDER No. 33.

Reference AMIENS 1/100000
62 C. 1/40000

Headquarters,
6th. September 1918.

- The 4th. Aust. Infantry Brigade Group will move to the HEBECOURT Area by bus and road on 7th. and 8th. September 1918. The 4th. Aust. Infantry Brigade Group will be composed as under:
 - 4th. Australian Infantry Brigade.
 - 4th. Australian M.G. Coy.
 - 4th. Australian Field Coy. Engrs.
 - 4th. " " Ambulance.
 - 7th. Company A.A.S.C.
 - 4th. Australian Pioneer Battalion. (for move to forward area only.)

- Transport, brigaded under command of Capt. F. ANDERSON M.M., 14th. Battalion, will move by road on 7th./8th. September, staging on night 7th./8th. September in the vicinity of MORCOURT, as under :+

Unit.	Starting point.	Time to pass starting pt.	Route.	Remarks.
<u>'A' COLUMN</u>				
	Bde. units.			
<u>'B' COLUMN</u>				
4th. Pioneer Bn.	Junction	9.a.m.	Villers Bret-) To join) Brigade Group) in vicinity of) MORCOURT on) night 7th/8th.
4th. Fld. Amb.	AMIENS-	9.5.a.m.	onneux -War-	
A.E.	Villers-		fusse-Lamotte)	
4th. M.G. Battn.	Bretonneax, and AMIENS-Domart Roads.	9.10.a.m.		
Captain W.J. Earle M.C. 4th. Pioneer Bn. will command 'B' Column.				

- Transport will report at B.H.Q. and Company's H.Q. for loading immediately. Lewis Gun limbers will carry S.A.A. only. Lewis Guns and 8 magazines per gun will accompany troops on busses.
- Battalion Transport will form up ready to move, at S.E. end of LONGUEAU at 8.30.a.m. 7th. inst. Officers hacks, cookers and water carts will accompany transport. Only one brakesman per vehicle will accompany transport ; brakesmen must carry their arms and equipment.
- The 4th. Australian Pioneer Battalion. will move by bus on 8th. inst.. Embussing points, times etc. & and billeting areas will be notified later.
- A billeting Party of one Officer and 1 N.C.O. per Company will be detailed to hold themselves in readiness to move at short notice.
- The minimum number of dixies required will be carried by H.Q. and Coys.

WJEC

4TH AUSTRALIAN PIONEER BATTN

No.....

Date.....

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(2)

8. DRESS. packs with blankets & steel helmets arranged, as demonstrated on parade.
9. Officers baggage will be loaded on Company wagons, fighting order ~~only~~ to be retained.
2 Packs

B. J. McCallum
Lieut. & Adjutant.
For C.O. 4th. Australian Pioneer Battalion.

Issued through signals at 9.p.m.

Distribution- Normal.
Extra copy to 4th. Aust. Inf. Bde.

msrc



SECRET.216
Sheet 62.D.4th Australian Pioneer Battalion.1st Addition to Special Order No.33.7th September 1918.

1. The 4th Australian Pioneer Battalion, less Transport will proceed by Bus to the vicinity of BIACHES on the 8th instant.
2. Battalion will embuss at 9.30 A.M. at M.29.d.6.4.
3. B.H.Q. and Coys will fall in in front of their respective Billets at 8.45.A.M. and will move out to the embussing point at 9.A.M. and in the following order. 'A' Coy. 'B' Coy. 'C' Coy. 'D' Coy and B.H.Q.
4. Billets will be left in a clean and sanitary condition O's.C Coys will render to B.H.Q. a certificate to this office before moving out.
5. O's.C. Companies will ensure that all Water Bottles are filled.
6. All Ranks will be warned again to be on their guard against enemy "Booby Traps" and "Ruses".

7.

(SIGNED) W.J. McCALLION.
Lieut & Adjutant,
For C.O. 4th AUSTRALIAN PIONEER BATTALION

Issued at 7.P.M.

Distribution - Normal.

Extra Copy to 4th A.I. Brigade.

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4 TH AUSTRALIAN PIONEER BATT ^N	
No.....
Date.....

216
Sheet.
62.C.SECRET.
Copy No _____4th Australian Pioneer Battalion.Second addition to Special Order.No.33.9th September 1918.

1. The 4th Australian Pioneer Battalion will move by Route March at 12 Noon 9.9.18 to a site in advance of the Green Line. CARTIGNY-MONS.
2. Site will be selected by the C.O, and will be notified later.
3. Order of march. B.H.Q. A.Coy. B.Coy C.Coy D.Coy and Transport one (100) yards distance between Companies.
Head of Column just clear of BIRCHES. BIRCHES-PERONNE ROAD.
'D' Coy will detail One Officer to report to B.H.Q.immediately to go forward to reconnoitre route.
4. Lunch Battalion will lunch at 11.A.M.
5. Transport. B.H.Q. and Company's Transport to report to their respective Headquarters and to be loaded immediately. Cookers and Water Carts will accompany Transport. Lewis Guns will be carried on Company's limber.
BRAKESMEN. 1 Brakesman per vehicle. Brakesmen will carry their Arms and Equipment.
6. All Trench Shelters will be returned to R.Q.M.immediately.
7. Unexpended portion of days Rations will be carried on the person, Water Bottles will be filled.
8. Certificate to the effect that Company Lines have been left in a clean and Sanitary condition will be handed to head of Column.
9. Dress. Same as yesterday.
10. Reports to head of Column.

(Signed) W.J.McCALLION Lieut & Adjutant.
For C.O. 4th AUSTRALIAN PIONEER BATTALION.

Issued through Signals. 10. A.M.
Distribution - Normal.
Extra Copy to 4th A.I.Brigade.

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Sheet 62.C.

SECRET.

Copy No. _____

4th AUSTRALIAN PIONEER BATTALION.3rd Addition to Special Order No. 33.9th September 1918.

1. The 4th Australian Pioneer Battalion will take over from the 5th Aust. Pioneer Battalion at VRAIGNES at 2.P.M. on 10.9.1918.
2. The 4th Australian Pioneer Battalion will move by Route March at 12.30.P.M. 10.9.18.
3. Order of March. B.H.Q. 'D' Coy. 'C' Coy 'B' Coy 'A' Coy and Transport one (100) yards between Companies. Head of Column corner of Copse at B.H.Q.
4. TRANSPORT. B.H.Q. and Company Transport will report to their respective Headquarters at 9.A.M. 10.9.18, and will be loaded by 10.A.M. Cookers and Water Carts will accompany Transport. Lewis Guns will be carried on Limbers.
BRAKESMEN. One per vehicle. Brakesmen will carry their Arms and Equipment.
5. One Officer and 1.N.C.O per Company and 1.N.C.O from B.H.Q. with bicycles will report to Lieut. Nowlan at B.H.Q. at 7.30.A.M. 10.9.18 as advance party and will take over from same Companies of 5th Aust. Pioneer Bn.
6. Unexpended portion of day's Rations will be carried on the person, Water Bottles will be filled.
7. Company Commanders will Synchronise their watches with H.Q. Signallers within an hour of moving out.
8. Certificates to the effect that Company Lines have been left in a clean and Sanitary condition will be handed to head of Column.
9. DRESS. Full Marching Order.
10. Reports to Head of Column.

(Signed) W.J. McCALLION.
For C.O. 4th AUSTRALIAN PIONEER BATTALION.

DISTRIBUTION - NORMAL.
Extra Copy to 5th Aust. Pioneer Bn.

WJMC

4 TH AUSTRALIAN PIONEER BATT ^N
No.
Date

SECRET.

Copy No. 4.

DIVISIONAL ENGINEER ORDER No.12.by
Lieut-Colonel, R.J.DYER. D.S.O.C. R. E. 4th AUST.Div.In the field.9th September 1918.

1. 4th Aust.Division (less Artillery) will relieve the 5th Aust.Division (less Artillery) in the centre sector on 9/10th and 10/11th September 1918.
Relief is to be completed by 10.A.M. on 11th September.
2. C.R.E. Office will close at HERBECOURT at 10.a.m. on 11th instant, and open at CATELET at the same hour and date.
3. Field Companies and Pioneers will move and be distributed as shown on table below.

<u>Unit.</u>	<u>Relieve.</u>	<u>Located.</u>	<u>Remarks.</u>
13th Field Coy.	8th Fld.Coy. 10.A.M. 10th Sep.	Q.13.d.81.	Remain with 13th Brigade Group.
4th Pion. Bn.	5th Pion.Bn. 10th Sept.	Q.19.b.75.	Less 1 Company bridging at ETERPIGNY.

4. 4th Field Company. Move to Huts at P.2.d.91. on 10th instant and remain with 4th Brigade Group.
5. 12th Field Company. Move to Billets in support Brigade Area on 10th instant, and remain with 12th Brigade Group.
6. Details of reliefs to be arranged mutually between C.O's concerned.
7. Field Companies and Pionerrs to ACKNOWLEDGE.

(Signed) R.JOHN DYER.
Lieut-Colonel.
C.R.E. 4th AUSTRALIAN DIVISION.

Distribution.

1. 4th Field Coy.
2. 12th Field Coy.
3. 13th " "
4. 4th Pioneer Bn.
5. C.R.E. 5th Aust.Div.
6. C.E. Aust.Corps.
7. G. 4th Aust.Div.
- 8 - 10. War Diary.
11. File.

MSAC

4 TH AUSTRALIAN PIONEER BATT ^N
No.....
Date.....

SPECIAL ORDER NO. 36.

SECRET
Copy No. _____

16th September 1918.

1. INTENTION.

The 4th Australian Division, with 1st Division on right and 1st Australian Division on left, will attack on the frontage of Approx. 3,500 yards in length, objectives are represented by GREEN, RED and BLUE Lines.

2. PIONEERS.

The 4th AUstralian Pioneer Battalion will work under C.R.E. They will be responsible for the making and erection of Direction Boardson Roads, Tracks to H.Q. FRONT LINE etc. They will be employed on Road Repairs assisting Artillery, constructing accommodation, etc, as may be required during the advance.

O's.C. 'A' and 'B' Coys will arrange for road reconnaissance to be made forwarding results to this Office as early as possible. (See Para 4).

The remaining two Companies will be held in Divisional Reserve.

'A' and 'B' Coy's will follow the Infantry in the attack and will undertake the abovementioned works. 'A' Coy generally in Right Brigade Area and 'B' Coy in Left Brigade Area, Company Commanders will arrange boundaries mutually.

'B' Coy in addition will tape out a track leading from the RED Line or beyond to Brigade Headquarters.

3. SYNCHRONISATION OF WATCHES.

Watches will synchronised by an Officer who will leave B.H. at approximately 1.P.M. and 7.P.M. on the day prior to ZERO. He will call at H.Q. of Line Brigades, C.R.A. and 4th M.G. Bn.

O's.C will synchronise at Brigade Headquarters.

4. Reports will be forwarded every two hours commencing from ZERO giving progress made, and state of Roads in Area. These will be sent by runner to a report centre located near 12th Brigade Headquarters, when they will be forwarded under Battalion arrangements. It is important that accurate information as to state of Roads should reach B.H. as early as possible. Message Maps have been issued for this purpose.

5. O's.C, 'A' and 'B' Companies will arrange to move their Companies on ZERO night to a position close to support Battalion in each Brigade Area, whence they will move forward as soon as circumstances permit.

6. R.E. STORES.

No Divisional Dump will be formed, but R.E. Stores will be carried forward to points arranged with Brigades by M.T, and thence by Divisional Train Wagons to Brigade Dumps.

7. P.O.W. CAGE. HANCOURT. Q.8.b.3.3.

All Prisoners of War captured will be handed over to M.M.P. escort at Brigade Headquarters for transmission to Divisional P.O.W. CAGE

8. Disposal of DEAD.

A Military Cemetery will be established at R.13.c.2.5.

9. O's.C 'A' and 'B' Coys will select a site in which to Bivouac for the night and will notify its location to B.H.Q. Cookers and Rations will be sent forward.

4 TH AUSTRALIAN PIONEER BATT ^N
No.....
Date.....

(Signed) W.G. GOUDIE .Capt. & Adjt.
For C.O. 4th AUSTRALIAN PIONEER BATTALION.

W.G.G.

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Appendix No. 4/24

MAP REF.
62.C.
1,20,000.

4th AUSTRALIAN PIONEER BATTALION.

SECRET
Copy No. _____

1st Addition to SPECIAL ORDER No.36.

17th September 1918.

Lieutenants BALLARD and WHITEHEAD each with 35 men of 'C' Company will take five (5) dummy tanks each over the sky-line in R.3.a. and L.32.d in Left Brigade Sector (Lieut. BALLARD) and in R.9.a & b and R.10.c in Right Brigade Sector (Lieut. WHITEHEAD).

These Officers will take delivery of dummies at 11.P.M. tonight at following points.:-

Right Brigade.	...	R.8.a.7.4.
Left "	...	R.1.b.1.3.

Three (3) real tanks will operate in left Brigade and One (1) in Right Brigade Sector. Care will be taken to have dummies in front of line L.31.b. L.32.c. R.2.a & b. R.8.a & c before ZERO hour.

After ZERO dummies will follow 400 yards in rear of tanks.

Dummies will deploy to cover Brigade fronts and will be taken over crest of high ground mentioned and left there in order to be observed and attract hostile shell fire.

At conclusion of operation dummies not destroyed will be withdrawn to suitable places screened from observation.

W. Blundin Captain & Adjutant.
For C.O. 4th AUSTRALIAN PIONEER BATTALION.

Issued at 8.P.M.
through Signals.

DISTRIBUTION - Normal.

Extra Copies Nos 10 & 11 to
4th and 12th A.I. Brigades.

WMC

4 TH AUSTRALIAN PIONEER BATTALION	
No.....
Date.....

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HEADQUARTERS,
4th Australian Pioneer Bn.
19th September 1918.

HEADQUARTERS,
4th Aust. Division.

With regard to the operations with the dummy tanks. I beg to report as follows.:-

I detailed 5 dummies under the command of Lieut. Ballard to operate in the left Brigade sector and 5 under Lieut. Whitehead in the right Brigade sector. For each group of five tanks 35 men were told off but these proved quite inadequate for the work and in both cases it was found that not more than three dummies could be taken forward by the number of men available. Three of those allotted to the left Brigade area broke down and although the Officer in charge attempted to get the remaining two forward he was unable to get them up in time to be of any use. On the right Brigade sector four tanks were got into position on high ground in front of the jumping off tape, but owing to the poor visibility they were not seen by the enemy. One of these tanks however was seen by an enemy aeroplane who directed machine gun fire on it.

Great difficulty was experienced by both parties in getting the dummies across shell holes, trenches and wire entanglements.

The dummies were forward of the line where the enemy barrage fell and no casualties were suffered by the parties.

The following conclusions are drawn which may prove useful, should any future attempt be made to utilise dummies.:-

- (1) The dummies were too heavy. Five men might have been able to move them along a level metalled road but across country it would require at least a dozen men to ensure their being taken forward at any reasonable pace.
- (2) They were too flimsy. Four broke down the wheels proving the weak spot.
- (3) They proved very difficult to handle across country and over any sort of obstacle however small.
- (4) The rain during the night added to the difficulties.

WATC

4 TH AUSTRALIAN PIONEER BATT ^N
No.....
Date.....

Every/

Every effort was made by the parties told off to make the experiment a success and all ranks were played out on their return to camp.

(SIGNED) T.F.RUTLEDGE.

Lieut-Colonel.
C.O. 4th. AUSTRALIAN PIONEER BATTALION.

MSAC

4 TH AUSTRALIAN PIONEER BATT ^N	
No.....	
Date.....	

216.

MAP REF.
62. B. N. W.
1/20,000

SECRET
Copy No. 9

4th Australian Pioneer Battalion.
SPECIAL ORDER No. 37.
28th September 1918.

The 4th Australian Pioneer Battalion will be prepared to move forward to neighbourhood of BELLICOURT at short notice.

DRESS & EQUIPMENT. Fighting order.
Working strength to carry 100% shovels and 50% picks.

MOVEMENT. Probably by motor lorry, by route to be indicated later.

OBJECT. To put in hand repairs to RED and BLACK roads (See map) in neighbourhood of BELLICOURT immediately on arrival at destination if required.

GENERAL. Major MULLIGAN D.S.O., Second Tunnelling Coy is O/C Roads in this Area. Orders issued by him and by Lieut-Colonel MARTIN C.R.E., Corps Troops are to be carried out.
Stbns Railhead ROISEL.
Forward dump TEMPLEUX-la-GERRAFD.
More advanced dumps will be formed as early as possible by 2nd Australian Tunnelling Company.

PACK STORE. Surplus kit and all packs together with Band equipment will be stored at Pack store E. 28. b. S. 4. O's.C. 'A' 'C' & 'D' Company and Band Sergeant will each detail one man to remain as guard. R.Q.M. will arrange to ration them.

BATHS. Unless otherwise ordered Bath equipment will be left erected as at present under guard of 1 man to be detailed by O.C. 'B' Coy.

BILLETS. Officers commanding Companies will each detail 1 Officer to select a suitable Camp for Company on arrival at destination. Location will be immediately reported to B.H.Q.

TRANSPORT. Will be unloaded immediately on arrival and waggons returned to Transport Lines

REPORTS. Each Tunnelling Coy will establish a report centre on each of the roads and clearly mark the point with a notice board. The 2nd Aust Tunnelling Coy report centre will be near TEMPLEUX-la-GERRAFD

Reports from PIONEERS will be sent direct by B.H.Q. to the Tunnelling officer at the above point.
O's.C. Coys will until further orders report hourly to B.H.Q. on progress and condition of each road and track under repair
The following CODE will be used in sending brief reports:-

CODE WORD.

BLUE ROAD.	BLUE.
YELLOW ROAD.	YELLOW.
RED ROAD.	RED.
BLACK ROAD.	BLACK.
Motor Circuit Road.	CIRCUIT.
Fit for double M.T.	D.M.T.
Fit for single M.T.	S.M.T.
Fit for H.T.	H.T.
Unfit for all transport.	UNFIT.

4TH AUSTRALIAN
PIONEER BATTN

MARC

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APPENDIX

16

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Appendix No. 15.

Sections will be designated by letters at permanent points on the Roads - marked A,B,C,D,etc, on each road, e.g.

BLUE	A.B.	D.H.E.	C.D.	UNFIT.
YELLOW	C.D.	H.E.	D.E.	UNFIT.

If it is required to designate a particular spot, the letters should be followed by a figure denoting number of yards forward, e.g. A 500 means point 500 yards from A towards B.

A daily report on usual pro forma will be rendered to reach B.O.R. by 8.A.M. and will include all works up to 6.A.M.

W. D. ... Captain & Adjutant.
For C.O. 4th AUSTRALIAN PIONEER BATTALION.

MAC

4 TH AUSTRALIAN PIONEER BATT ^N
No.....
Date.....

4th Australian Pioneer Battalion.'A' Company Commander's report on the attack September 18th. 1918.
-----The C.O.
4th Aust. Pnr. Bn.REPORT IN GENERAL ON THE 18th SEPTEMBER OPERATIONS.

The most noticeable feature at the beginning and throughout the operation was the absence of the enemy counter Artillery barrage inasmuch that it was possible to immediately follow up the Infantry and begin work on roads and tracks. In isolated sectors there was a fair amount of enemy Artillery fire, but usually it was of temporary duration and could easily be avoided by the various working parties. It appeared to me, on my sector (left half of divisional area) unnecessary at any time to have men working under fire. My orders to Platoon Commanders were to avoid repairing any section of road that was being shelled, but to go ahead of it, carry on and send necessary parties back as soon as the shelling lifted. If that action had not been carried out, casualties would certainly have been heavy.

Under the present condition of minor open warfare in areas void of old defence systems the amount of work to be done on roads is likely to be overestimated, reasons for which are the lighter type of shell used, the sensitive fuses and the short duration a barrage rests on any line.

Dry weather tracks or Artillery tracks should not be established until after the Artillery have moved forward. Once the Artillery have set themselves a track by day, they are bound to use it by night and it is for that reason we should make passable the tracks they have formed for themselves and not Artillery tracks they cannot acquaint themselves with in the dark.

I would like to suggest that a Company of platoon other than those doing the main roads, behind the Infantry, be detached for such work.

(Signed) C.D. HORNE.
Major.
O.C. 'A' COY.

WASH

4 TH AUSTRALIAN PIONEER BATT ^N	
No.....
Date.....

4th Australian Pioneer Battalion.

The C.O.

4th Aust. Pnr. Bn.Re Operations 18.9.18.

After the first wave had gone forward, and for an hour subsequently, the enemy shelled our old front line positions fairly heavily, but did not pay much attention to the main road, the northerly boundary of my Sector. Forward of this point the shell fire was localised on different positions, such as CAMBRIERES WOOD, which was very heavily shelled, but as a whole the fire could be avoided. Later in the day the enemy seemed to concentrate H.V. Batteries on forward roads, especially around the Tumulus & Hudson's Post, but the material damage to roads was very slight, owing to the fact that mostly grazing fuse was used. I found it a great advantage to have Company H.Q. with the Infantry B.H.Q. as runners were able to locate Company H.Q. with reports very quickly.

(Signed) R.W. WILD. Captain.

O.C. 'B' COY.

MAC



WAR DIARY.4th AUSTRALIAN PIONEER BATTALION.

NOTES on Enemy defences of LE VERGUIER (SHEET 62.C. N.E. L.33.34).
See Appendix No 29 for sketch.

The strong points and trench systems were originally constructed by the British Forces, but were largely elaborated by the Germans. The elaboration of these defences made the village a veritable stronghold and the defence system of this village may be taken as a typical illustration of the German method of the defence of a village, to withstand attack as organised at the present time.

The principal points of the German supplementary defences in this instance were:—

- I. A large number of Machine Gun outposts up to 500 yards in front of wire entanglements and large dumps of flares. Some of the Machine Gun Outposts were connected by telephone to the inner defence system.
- II. Use of large trees on perimeter of wood at L.28. central as "Abatis" with machine gun positions a long same. These form a second line of Machine Gun Defences.
- III. Trenches manned at frequent intervals with both light and heavy Machine Guns.
- IV. Low wire obstacles in the grass in front of apron wire entanglements Anti tank defences.
- V. There were no artificial earthwork defences.
- VI. A light field gun battery was distributed on South and East sides of the village, the guns being protected by Machine Guns.
- VII. Road mines were laid at junction of roads on North of Village.

DUGOUTS .

There were a large number of dugouts, constructed in sunken roads and off trenches.

Two shafts for mining a series of dugouts were in process of construction, also a gallery was being constructed connecting up two strong posts in the heart of the village.

Notes made from reconnaissance of the village after the attack.

One field gun had not been used at all up to the time of capture. No attempt was made to get the field guns away from the village, their main object being to stop tanks getting into the village by firing over open sights.

The trenches were apparently lightly manned by Infantry but
was contained/

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(2)

APPENDIX No. 19

contained numerous Machine Guns . The "Abatis" defence system, shown in position on map was useless.

The roads in the village were not badly damaged by German shell fire, apparently little howitzer artillery being used. The buildings protected the roads as the trajectory of shells used meant few direct hits on the roads themselves. The enemy was apparently firing for the two main village roads running S.E. as these were covered with building debris.

The quantity of shelters and dugouts in trenches generally suggest the enemy believed he was secure in the position.

(Signed) E.R. BRADSHAW. Lieut.
O.C. No. 3, Platoon.

msac

4 TH AUSTRALIAN PIONEER BATT ^N	
No.....
Date.....

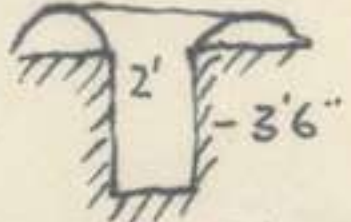
WAR DIARY.4th Australian Pioneer BattalionCASUALTIES for Month of September 1918.

No.134.	Sgt.	H.N.FISHER.	Killed in Action.	18.9.18.
"	1899.	Pte. P.T.McMahon.	" " "	"
"	4066.	" A.W.BITTERS.	" " "	"
"	3168.	" R.J.ROLFE.	" " "	"
"	2705.	" M.JENKINS,	Died of wounds.	19.9.18.
"	2382.	" A.L.HATTON.	Wounded in Action.	18.9.18.
"	2674.	L/Cpl. A.McKINNON.	" " "	18.9.18.
"	2626.	" W.G.KENNEDY.	" " "	18.9.18.
"	3434	Pte. S.J.RENSHAW.	" " "	18.9.18.
"	4020.	" R.L.BURROWS.	" " "	18.9.18.
"	3255.	" P.BROAD.	" " "	18.9.18.
"	3147.	" R.E.NOYES.	" " "	18.9.18.
"	3092a.	" P.S.STUART.	" " "	18.9.18.
"	3027.	" E.L.BROOK.	" " "	18.9.18.
"	3466.	" P.N.ALBION.	" " "	18.9.18.
"	3332.	" (J.E.CANNON. (Remained on duty)	" " "	19.9.18.
"	3898.	" F.R.S.OISEN.	" " "	10.8.18.
"	2063.	" J.FAHEY.	" " "	20.9.18.
"	3444.	" W.C.SHIELDS.	" " "	28.9.18.

WSPC



WORKS REPORT 11th September 1918.

Map Location.	Nature of work.	Amount done.	No. of men	Hours worked.	Remarks.
Sheet 62.C. P.19.B & d Q.8.cent.	Sampling of water for testing purposes. Improvements in workings of water supply points.			5.	
P.19.b.7.8.	Digging shelter dugouts, for Bn. H.Q.	9 Trenches dug to dimensions shown on sketch and covered with corrugated iron and earthen over.	20.	5.	 <p>These shelters were dug outside entrances to Nissen Bow Huts.</p>
Q.8.cent to R.1.c.9.0 Q.17.a.2.2.	Patrolling road and making necessary repairs.			5.	

MSAC

4TH AUSTRALIAN
PIONEER BATT^N

No.

Date

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34

WORKS REPORT 12th and 13th September 1918.

Map Location.	Nature of work.	Amount done.	No. of men.	Hours worked.	Remarks.
Q.8 Cent. to R.1.c.9.0. Q.17.a.2.2.	Patrolling road and making necessary repairs.	2 Patrols made during 24 hours shell holes filled in with bricks.	60.	5	See accompanying maps with roads shown in blue and red. Appx. No. 33
P.8.C.	Building Divisional Headquarters,		50.	5	
	Salvaging iron and Timber.		50.	5	
Vicinity of VENDELLES. Soyecourt Poeully Vermand.	Patrolling road and making necessary repairs.	2 Patrols made during 24 hours. Shell holes filled in with Bricks.	60.	5	See accompanying map with roads shown in blue and red. Appx No. 33
VRAIGNES. Hancourt.	Salvaging iron and timber.		80.	5	

msac



Road Reconnaissance and Repairs - 4th Australian Pioneer Battalion 14.9.1918.

Map Location.	Description of Roads.	No. of men.	No. of hours.	Present condition of roads.	Location of necessary repairs.	Availability of repair Material.	Remarks.
Q.23.b.60.99) to Q.24.d.3.9.)	3rd Class one way traffic only.			All H.T. roads are in bad condition due to bad weather.	R.19.a.70.99.	By cartage from SOYECOURT and POEUILLY	
R.19.a.65.90) to R.25.d.7.5.)	Motor Traffic Road.						
Q.29.a.3.4. to) Q.24.d.3.9. to) R.25.b.1.4.)	3rd Class one way Traffic.	70.	5.				
Q.30.c.1.4. to) Q.24.d.3.9.)	Do. Do.						
R.26 cent. to) R.21. ")	Do. Do.						
O.29.c.6.5. to) R.25.d.7.5. to) R.26.central.)	Do. Do.						
Q.17.cent. to) Q.12.b.7.8.)	M.T.Road.	85.	5.	Road in good order.	-	-	Not at present being used beyond dressing station.



(SIGNED) W.G. GOUDIE.

Captain & Adjutant.

For C.O. 4th AUSTRALIAN PIONEER BATTALION.

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HEADQUARTERS,
4th Aust.Div. Engrs.
14th September 1918.

C.O.
4th Pioneer Battalion.

Please arrange to put in hand.:-

- (1) Accommodation for Div. Artillery Headquarters.
- (2) Signal Exchange - Particulars as below.

DIVISIONAL ARTILLERY HEADQUARTERS. Location to be telephoned.

Required :- Six Huts each to be used as office, and bedroom for one Officer.

One hut for Signal Office.

Sleeping accommodation for 20 men D.A.H.Q.

Sleeping accommodation for 30 men. Artillery Signals, Office for 10 Clerks and 2 draughtsmen. Officers' Mess and Kitchen. Mens cookhouse and Mess shed. - To be completed on 16/9/1918.

SIGNAL EXCHANGE. Location in sunken road, approximately Q.12.c.10. Site to be chosen by you.

Requirements. :- One building for Signal Exchange, switch board and Telegraph Operators.

One building for sleeping accommodation for 12 men.

To be completed by 12 noon, 16/9/1918.

(Signed) F. DONALDSON.

Lieut & Adjutant.

For C.R.E. 4th AUSTRALIAN DIVISION.

mac

4 TH AUSTRALIAN PIONEER BATT ^N	
No.....
Date.....

SHEET 62.C. S.E.

WORKS REPORT for 16th September 1918.

Map Location.	Nature of work.	Amount done.	No. Employed.	Hours worked.	Remarks.
Q.6.a.3.3.	Erecting Div. Artillery H.Q. and Signal Exchange.	Work now completed.	98.	5½	Timber and Iron salvaged on job.
R.2.c.3.2.	Erecting Double Brigade H.Q.'s dugouts.	Work now completed.	60.	8.	
Q.8.b.33.	Prisoners of War Cage.	Cage completed.	20.	4.	2000 Sheets of Iron were salvaged near the Village of VRAIGNES. 500 of which were used on Artillery H.Q. job.

(Signed) W.D. GOUDIE.
Captain & Adjutant.

For C.O. 4th AUSTRALIAN PIONEER BATTALION.

msac

4 TH AUSTRALIAN PIONEER BATT ^N
No.....
Date.....

APPENDIX 24
38

WORKS REPORT 15.9.1918.

Map Location.	Nature of work.	Amount done.	No. of men.	No. of hours.	Remarks.
Q.6. a.3.3.	Providing shelter for C.R.A. H.Q.	Half completed.	96.	5.	This job will be completed by tonight.
R.2.c.3.3.	Building double Brigade H.Q. and Battalion H.Q.	Nearly completed.	97.	5.	These H.Q.'s will be ready by 10.A.M. today.

(Signed) W.D. GOUDIE.

Captain & Adjutant.

For C.O. 4th. AUSTRALIAN PIONEER BATTALION.

4TH AUSTRALIAN
PIONEER BATT^N

No.

Date

APPENDIX
24A

WORKS REPORT - 17th September 1918.

Map Location.	Nature of Work.	Amount done.	No. Employed.	Hours Worked.	Remarks.
R.7.d.5.6.	Erecting Dugouts.	4 Old Gun Pits cleaned out and made into dugouts Elephant iron used for roofing.	20.	5.	30 Sheets of Iron Salved.
R.2.c.3.2.	Erecting Brigade Headquarters and Machine Gun Battalion Headquarters (double)	Brigade H.Q. completed Double Machine Gun Bn. H.Q. removed from R.1.a.6.6. and one Signal Office and one H.Q. dugout erected in cutting near Brigade H.Q.	23 20 20	5.) 5.) 5.)	

(Signed) W.D. GOUDIE. Captain.
Adjutant 4th Aust. Pioneer Bn.

W.D.G.

4TH AUSTRALIAN PIONEER BATT^N
No.....
Date.....

APPENDIX 25

WORKS REPORT 18th September 1918.

Map Location.	Nature of work.	Amount done.	No. of men.	Hours worked.	Remarks.
As shown on accompanying map. See App ^x . No. 33	Patrolling of roads and repairs where necessary.	2 Patrols in 24 hours.		10.	Roads generally very muddy See road reconnaissance report Appendix No 3
Do Do.	Do Do.	2 Patrols per 24 hours.	110.	10.	Do. Do.
	Laying tape from Brigade Headquarters to each Battalion H.Q. as battle line advanced.	6,000 yards of tape laid.	1. Officer & 9 O/Rs.	10.	This party suffered severe casualties, seven men of the party being killed and wounded.
	Crews for moving dummy tanks.	10 tanks were moved for details see letter from C.O. to Div. H.Q. Appendix No. _____	2 Officers & 7 O/Rs.	7.	
R.2.c.3.2.	Erecting Brigade headquarters and Machine Gun H.Q. double.	Headquarters completed.	66.	6.	

W.M.C.

4TH AUSTRALIAN
PIIONEER BATTN
No.
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APPENDIX 26 41

WORKS REPORT 19th September 1918.

Map Location.	Nature of work.	Amount done.	No. of men	Hours worked.	Remarks.
As shown on MAP Appendix No 33	Patrolling roads and making repairs where necessary.	Area patrolled twice in 24 hours.	80.	5.	
	Removing dummy tanks to shelter and cover.	Removed 5 dummy tanks to	1 Officer 20 O/Rs.	4.	
As shown on MAP. Appendix No. 33.	Patrolling roads and making necessary repairs.	Area patrolled twice in 24 hours Deviation work commenced on Crater at R.3.c.3.8.	100.	5.	
M.2.a.6.4.	Digging fire trench.	180 yards of fire trench dug to dimensions and sketch given in remarks column.	90.	4.	
G.21.a.5.8. G.21.central.	Wiring.	300 yards Double apron entanglement. 4 wires on front and back apron Screw Pickets used.	100.	4.	Wiring party protected by harassing fire from our 18 pounders,

WMAC

4TH AUSTRALIAN
PIONEER BATT^N

No.

Date

WORKS REPORT SEPTEMBER 20th 1918.

21

Map location.	Nature of work.	Amount done.	No. of men,	Hours worked.	Remarks
As shown on Maps. Appendix No 33 attached.	Patrolling roads & making necessary repairs.	Area patrolled twice during 24 hours.	160.	5.	
R.3.c.3.8.	Corduroy Road	Corduroy road started at deviation round crater.	20	5.	
M.2a.6.4.	Digging fire trench.	185 yards of fire trench dug to dimensions and sketch given in remarks column.	90	4.	
G.21.a.5.8.	Wiring.	100 Yards double apron entanglement. 4 wires each on front and back apron.	100	4.	Wiring not completed owing to Infantry operation taking place.

MAC

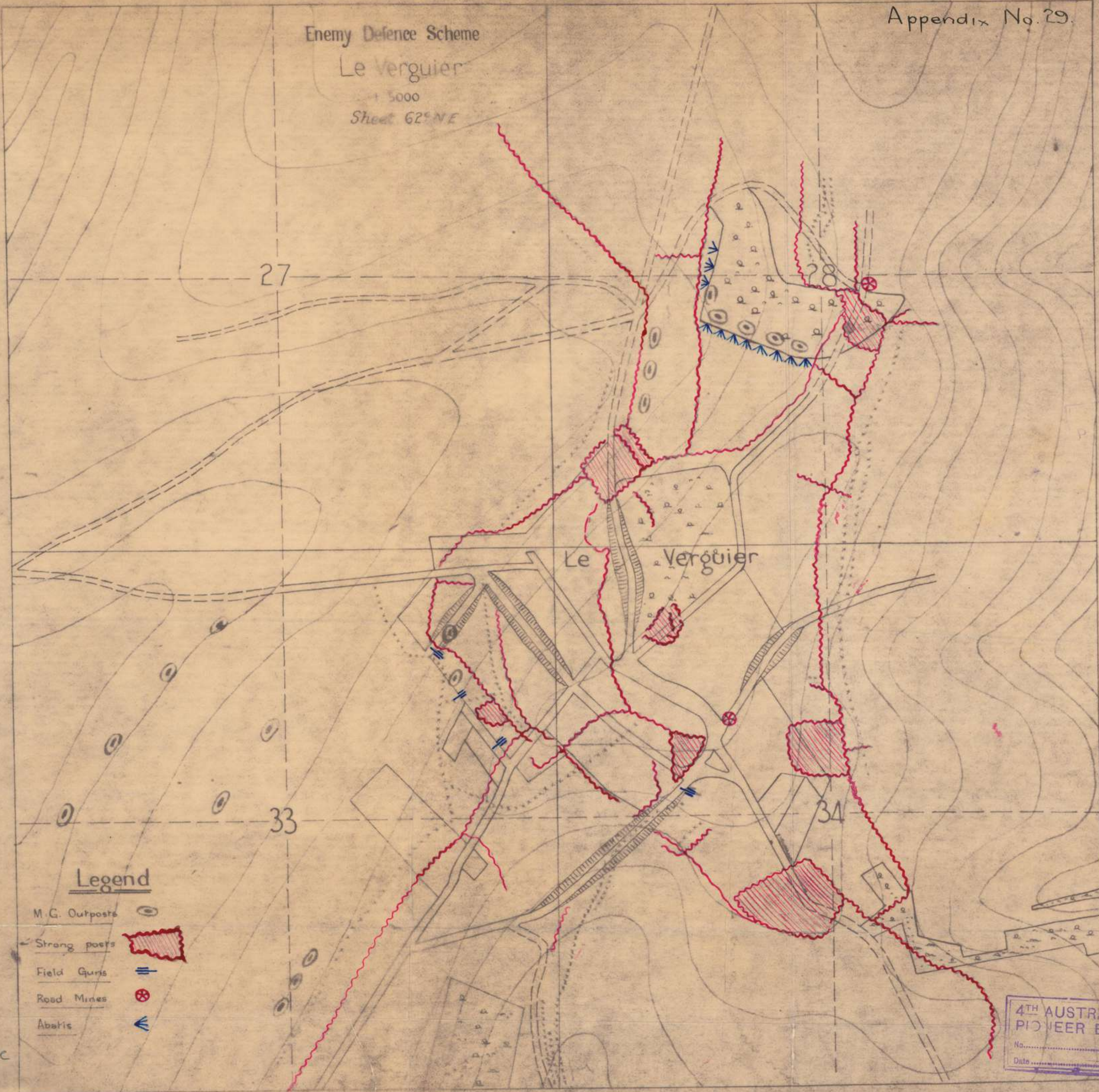
4TH AUSTRALIAN
PIONEER BATT^N
No.....
Date.....

APPENDIX 28
43

Enemy Defence Scheme

Le Verguier

1:5000
Sheet 62° NE



Legend

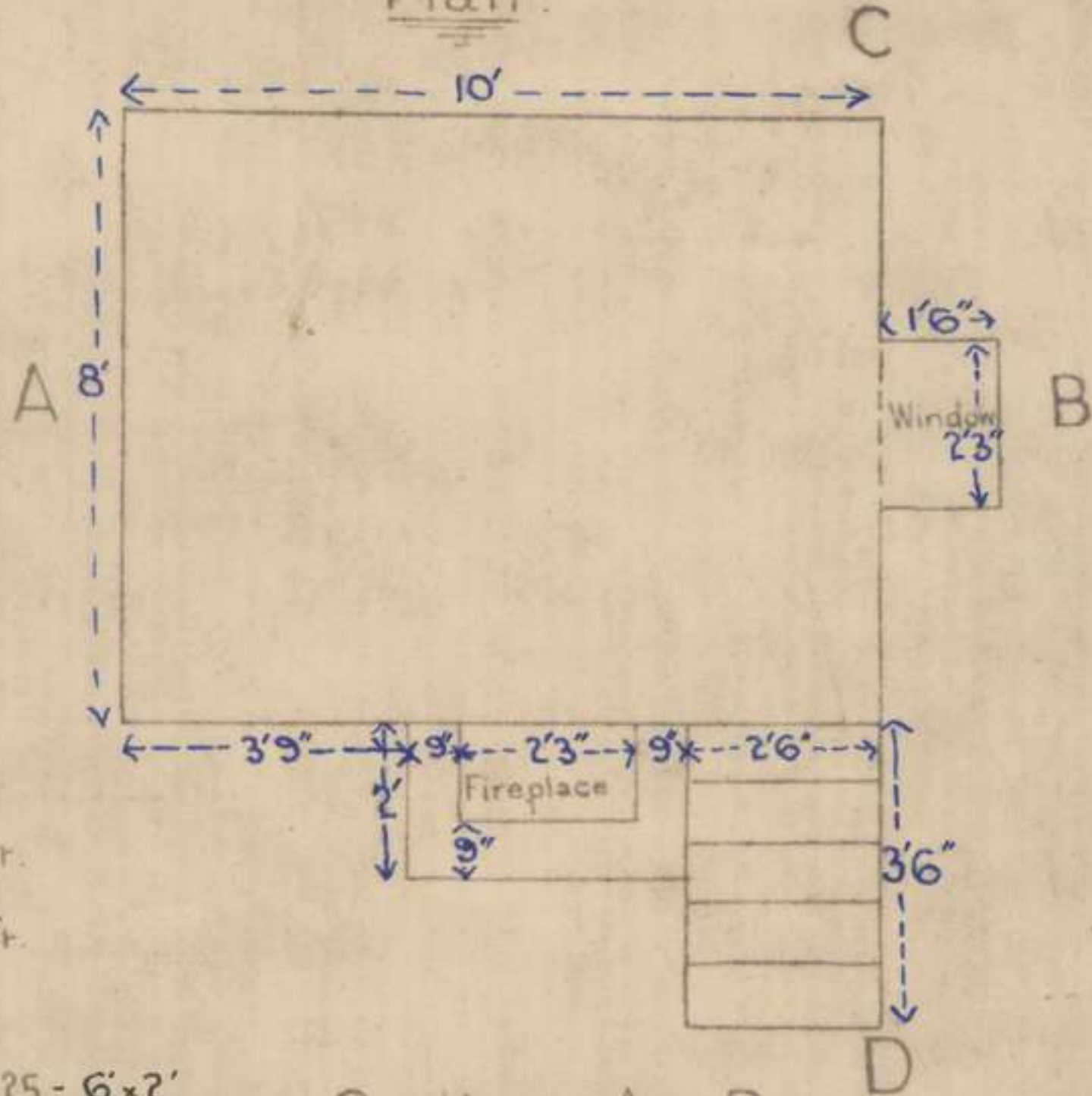
- M.G. Outposts 
- Strong posts 
- Field Guns 
- Road Mines 
- Abatis 

msic

4TH AUSTRALIAN
PIIONEER BATTN
No.
Date

TYPE OF DUGOUT

Plan



Excavation . . . 10c. yards

Amount of timber needed

3"x2" 135 ft.

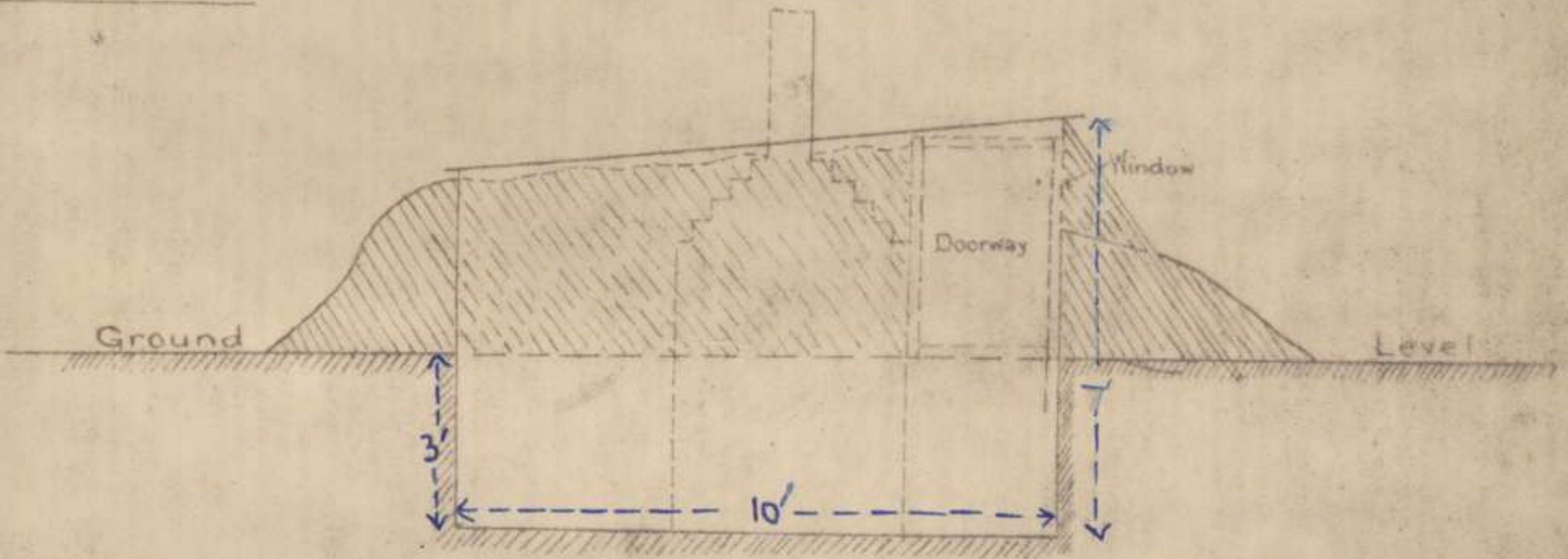
4"x1" 50 ft.

Amount of iron needed

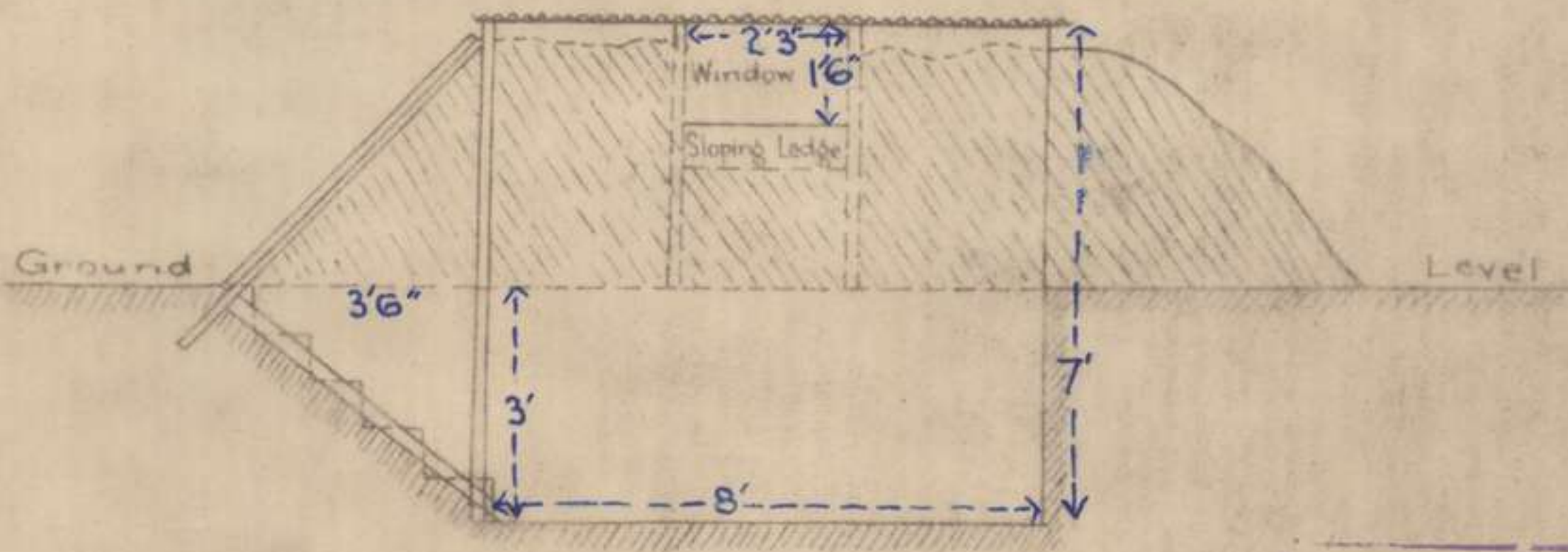
Sheets corrugated 25-6"x2'

Flooring as required

Section A-B



Section C-D



W.A.A.C

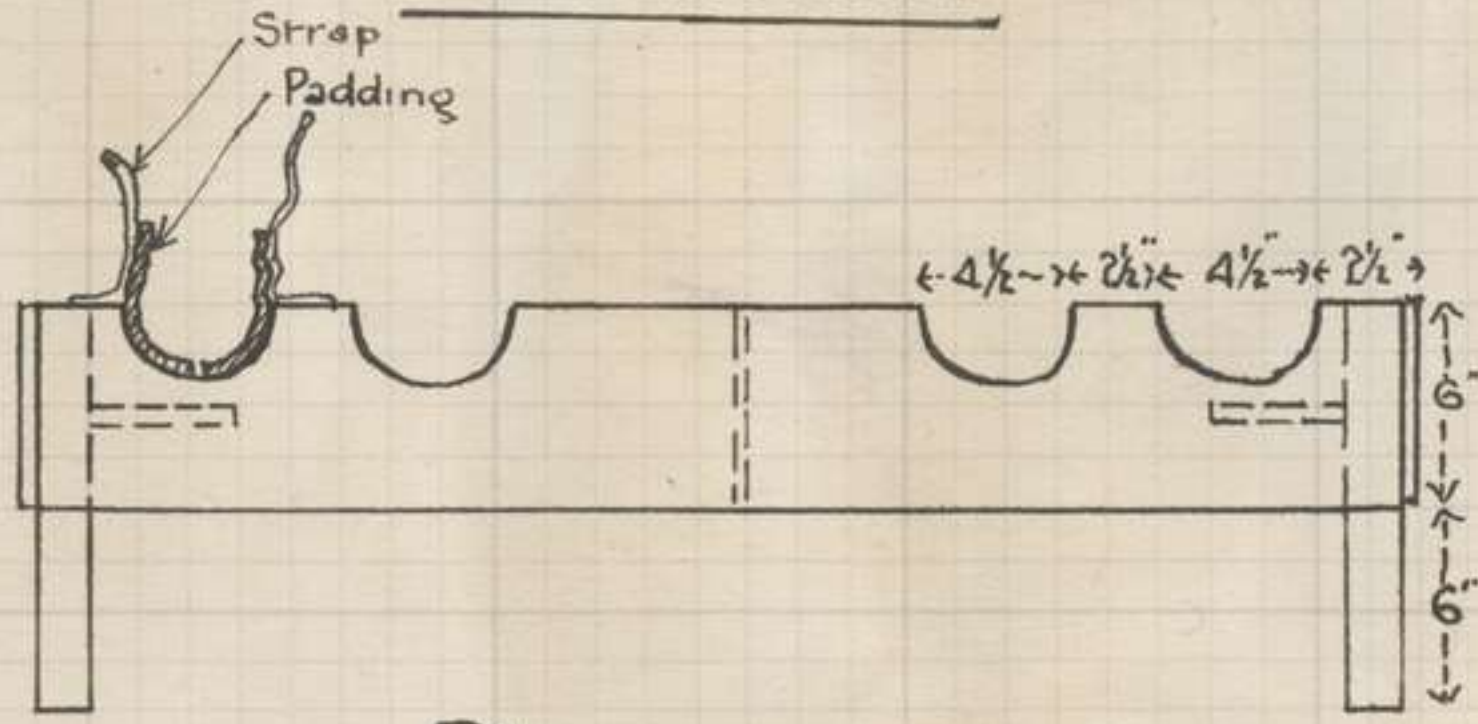
4th AUSTRALIAN
 PIONEER BATTN
 No.
 Date

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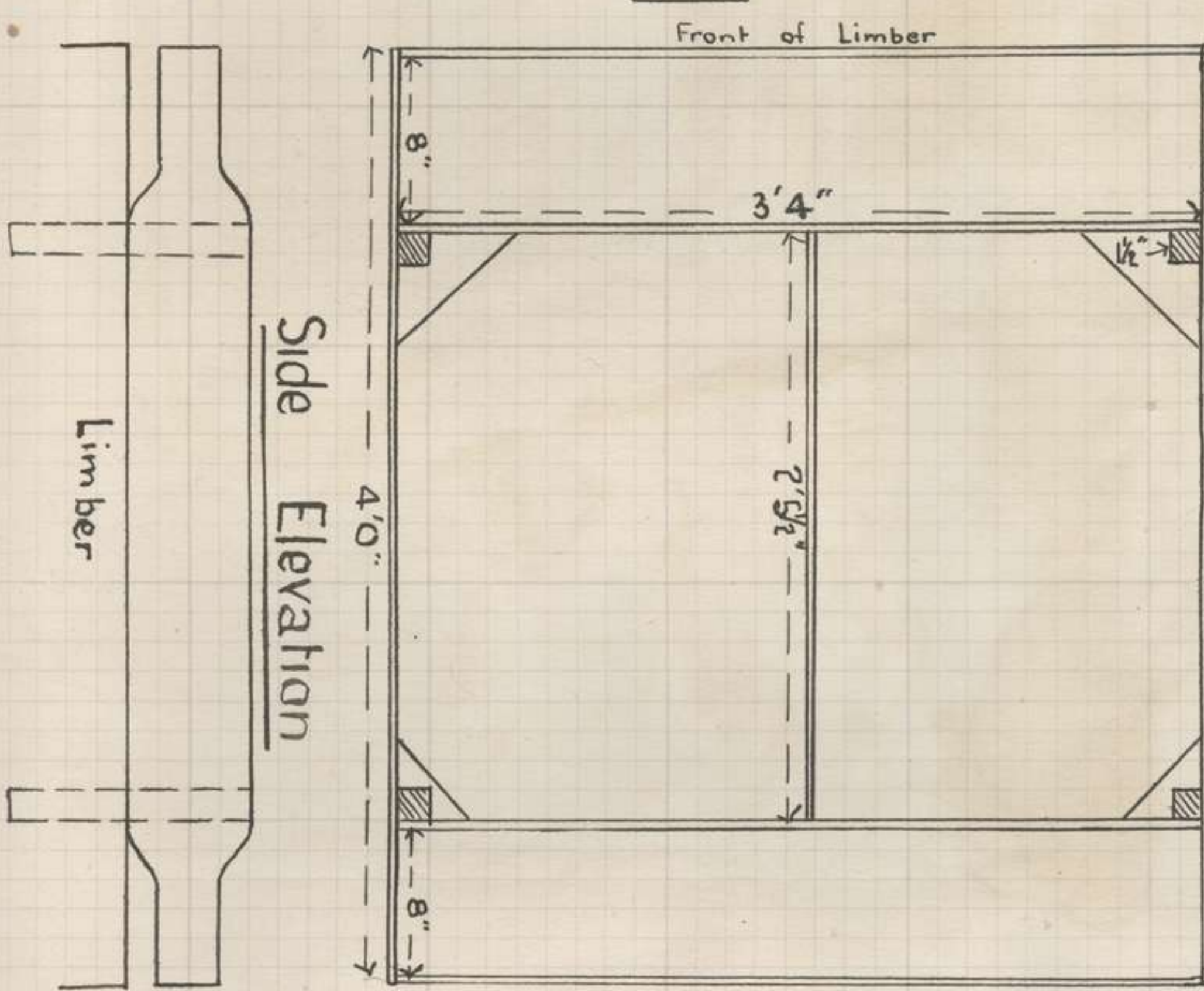
Lewis Gun Carrier

For G.S. Limbers.

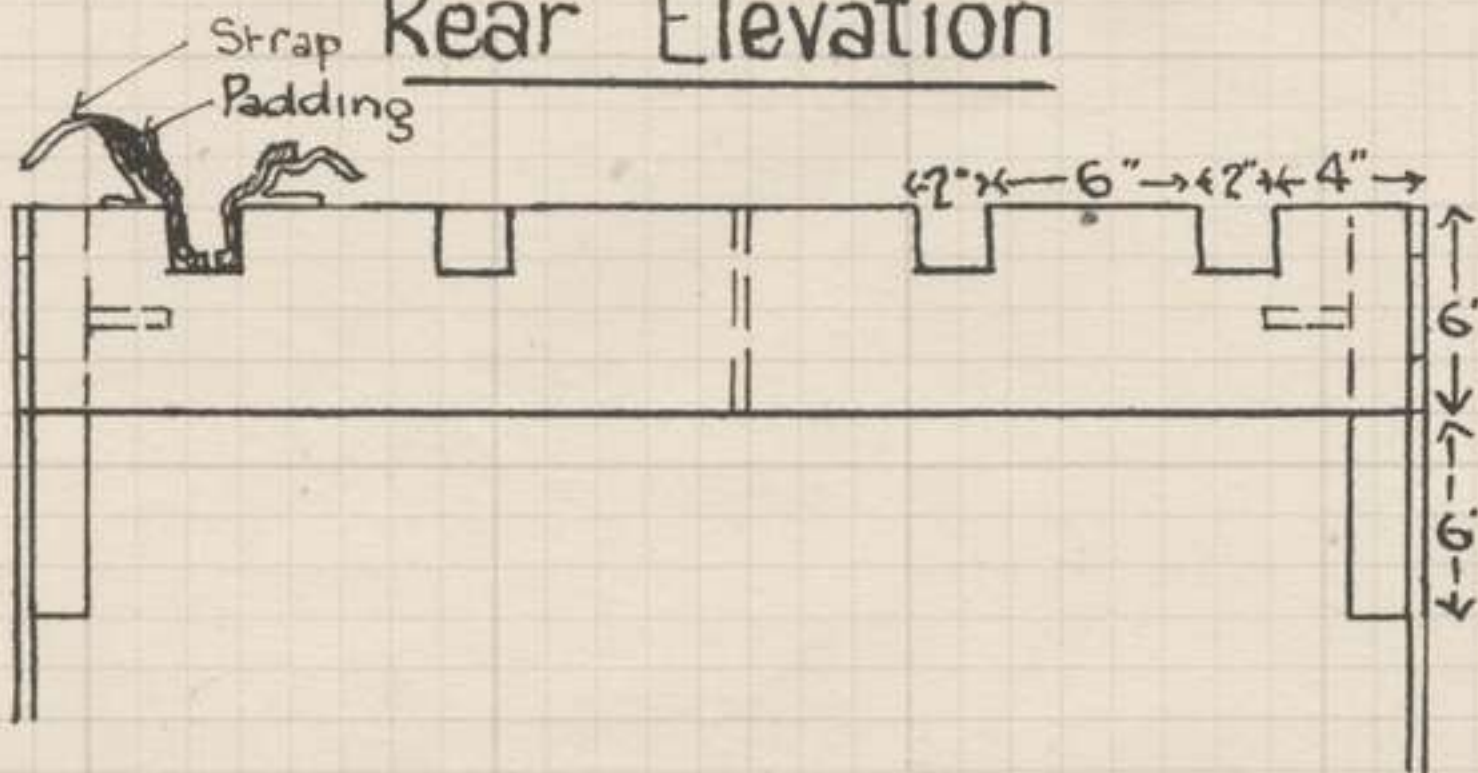
Front Elevation



Plan



Rear Elevation



W.A.C.

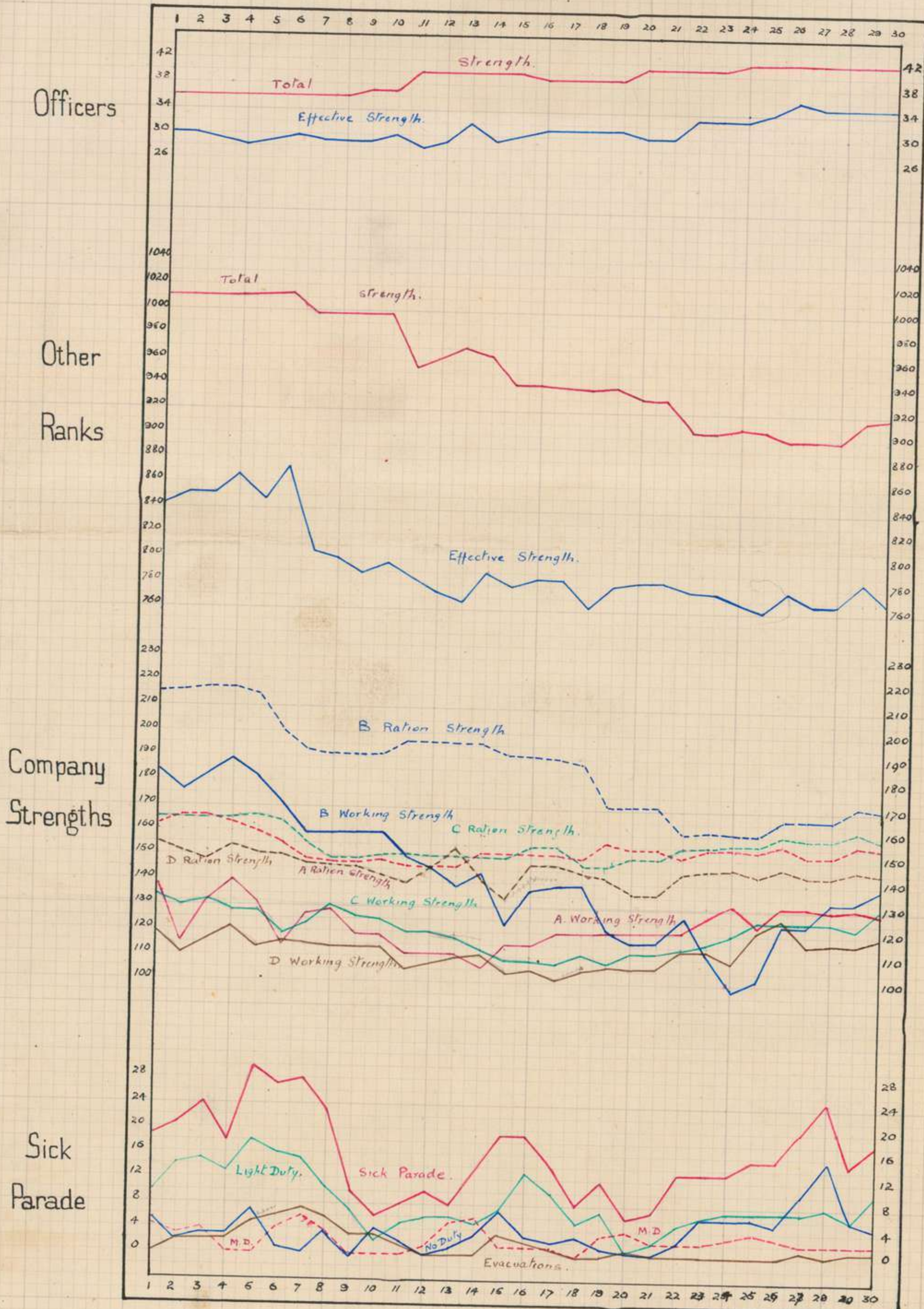
4TH AUSTRALIAN
PIONEER BATTN

No.

Date

SEPTEMBER 1918

Chart Shewing Daily Strengths
4TH AUS. PIONEER BATT.



Insert

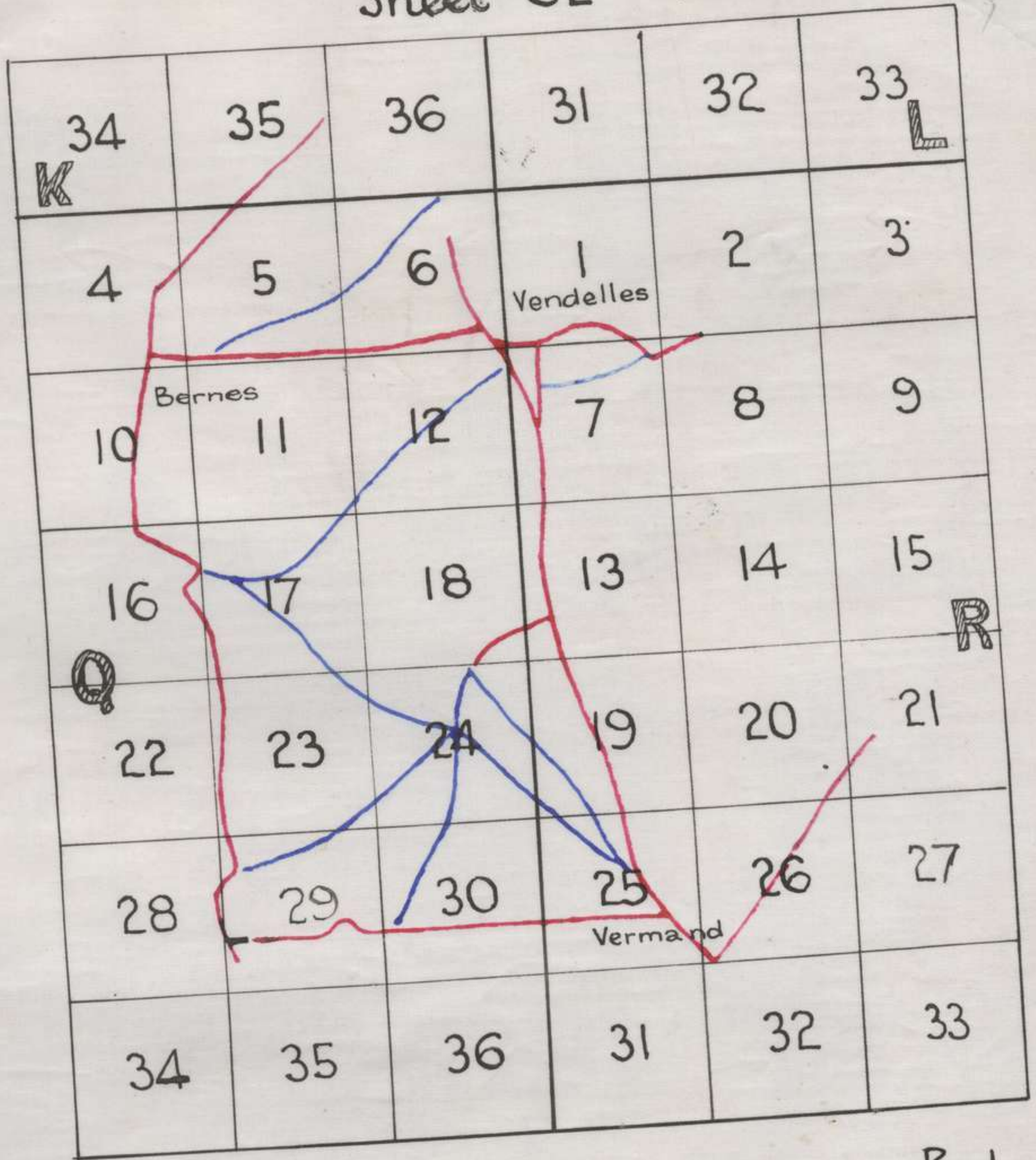
4 AUSTRALIAN
PIONEER BATT^N
No.
Date

APPENDIX
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APPENDIX

Appendix No 33

Sheet 62c 40.000.



Roads fit for Motor Transport Red
 " " " Horse " Blue