

ACC

AC 23

10000 / 148 / 1698

ST
MA

10000 / 148 / 1698

STEEL BRIDGING
MAR - SEPT. 1945

Office translation

Amc a , 26 Sept. 1945

To : Major Role A.C.Fa.4

Subject : Demolition of girders of Tronto River Bridge.

You are informed that Imp. COLOMBIO in charge of the above work , has already arranged to demolish the second and the third girders and to lift the fourth one.

Within the first days of next week , after the first girder being lifted, the flow of the stream will be assured.

WORKS SECTION - ANCONA

Sgd. Ing. Civiltarese

5283



MINISTERO DELLE COMUNICAZIONI
FERROVIE DELLO STATO - DIREZIONE GENERALE
(1) Compartimento di Ancona

ANCONA 11 26/9/1945 1945 - A

N.L.A. 16833 GR. BIS

A/N. del

OGGETTO. Demolizione travate fiume
Tronto linea Ancona-Pescara.

PER IL MAGGIORE MOLE

S E D E

Si informa che l'Impresa Colombo ha provveduto ha
demolire le travate seconda e terza del ponte in ferro sul Tronto
e con l'alzamento completo della 1^a travata, ciò che avverrà ai pri-
mi della prossima settimana, il libero deflusso delle acque sarà as-
sicurato, essendo stata alzata anche la quarta travata.

IL CAPO DELLA SEZIONE LAVORI

[Handwritten signature]

5235

ARMY FORM 62129 (Signal)			MESSAGE FORM		Register No.									
Call	Ser. No.	Priority	Transmission Instructions											
ABOVE THIS LINE FOR SIGNALS USE ONLY														
FROM (4)	Originator c/o I.S.R. - Ancone Signal Office - For Action		Date-Time of Origin 21 SEPT.		OFFICE-DATE STAMP  Message Instructions - GR									
MAJOR NOLE														
To TH. (Br.) MAIN			(W) For Information (INFO)											
U.S.S. B. DoD (100M x 100) 9-44 Originator's No. In. 4 AND/21/3 (.) RESTRICTED (.) FOR MC MURK. (.) CRANE STILL NOT READY for use (.) REQUIRED ONE 7 FEET 6 INCHES LENGTH OF 24" X 7 1/2" R.J.S. or number four 7 FEET 6 INCHES LENGTHS OF 12 X 6 INCHES R.J.S. TO COMPLETE RUNNER (.) O.S. No. 2 MOBILE WORKSHOPS STATED MATERIAL AVAILABLE 330T.S.P. (.) PLEASE GIVE AUTHORITY FOR RELEASE AND NOTIFY ALL PARTIES														
THIS MESSAGE MAY BE SENT AS WRITTEN BY ANY MEANS, EXCEPT WIRELESS		IF LIABLE TO BE INTERCEPTED OR TO FALL INTO ENEMY HANDS, THIS MES- SAGE MUST BE SENT IN CIPHER		ORIGINATOR'S INSTRUCTIONS DEGREE OF PRIORITY										
5287		IMPORTANT		<table border="1"> <thead> <tr> <th>Time</th> <th>System</th> <th>Op.</th> </tr> </thead> <tbody> <tr> <td>THI or TOR</td> <td></td> <td></td> </tr> <tr> <td>Time cleared</td> <td></td> <td></td> </tr> </tbody> </table>		Time	System	Op.	THI or TOR			Time cleared		
Time	System	Op.												
THI or TOR														
Time cleared														
SIGNED MAJOR R. S.		SIGNED												

Subject : Military Spans.

To : Lt.Col.Street -
A.C.Tn.Sub-Comm.

c/o 7 S.R. - Ancona
61 Alsa -Tel.2345 -
Date. 15 Sept. 1945 -

Ref.AC/Tn/86/38 (10)

1. Reference your letter AC/Tn/83/2/CE dated 10th Sept.45.
2. Your instructions are noted and the 95 ft long U.C.R.B's complete will be despatched to La Spezia when available.
3. It is anticipated that yet another three or four weeks delay will occur before this span can be dismantled.
4. The crane sent to carry out the dismantling of steelwork on Line 88 North arrived with the jib not assembled.
5. After the jib has been assembled it will be impossible for the crane to travel, as no runner has been provided. A runner can be made by mounting rollers on the flat car supplied to transport the jib.
6. Permission to carry out this work has been applied for to Tn.Main. Once authority is given, No.2 Railway Mobile Workshops can get the crane in working order within 7 days.

EJN
S.J.mole - Major

A.C.Tn.4

5286

Subject : Military spans

O/O S.R. - Ancona
61 Arc. - Tel. 2345 -
Date. 15 Sept. 1945 -

To : G.C. 122 Ind Rly Maint Coy
I.S.
: Capo Sezione Lavori - I.S.R.
Ancona.

Ref. RC/Tn/36/3B (9)

1. The 35 ft U.C.R.B. span at present on the
FOGLIA River Bridge, Line 86 North, is required for re-use
at La Spezia.

2. Please arrange when the span is dismantled,
to despatch complete to I.S.R. Works Section at La Spezia
advising this Office of the date of despatch and the
wagon numbers in which the individual parts are loaded.

E.J.M.

E.J. Mole - Major
R3
A.C. Tn. 4

5285

MESSAGE FORM

ARMY FORM C 2136 (Large)

Transmission Instructions

1151

Srl. No.

Priority

ABOVE THIS LINE FOR SIGNALS USE ONLY.

Office Date 5:00mb

FOR

Originator

FROM
(A) 1.9.B. - ARCOM
1.9.B. 2004
c/o Signal Office

Date-Time of Origin.

1992



14

 $\mathcal{H}_1(\mathbb{R}^n)$ and $\mathcal{H}_2(\mathbb{R}^n)$

(W) For Information (INFO)

Escape instructions

GR

Wagner's Ho

ANO/14/1 (.) RESTRICTION (.) FOR NO BUREAU IN.4 (.) HARRISON 408H
375 TO A GRANT ROU AT AFROKA (.) EXAMINATIONALIZATION NOT IN WORKING
CONDITION (.) HAD MEETING WITH O.C. NO.2 RAILROADS SOCIAL SECURITY
(.) AGREED ON RECEIPT OF ORDERS FROM YOUR H.. THIS UNIT WILL
ASSIGN TWO COPS AND MAKE A RUNNER FOR JIB BY MOVING HOMEWORK
ON A PLAT CAR DISPATCHED WITH CRANE (.) NECESSARY TO CRANE CANNOT
TRAVEL AFTER JIB IS ASSEMBLED WITHOUT A RUNNER (.) THIS HAS CAUSED
ANOTHER DELAY OF 7 DAYS (.) 191 TONS OF CRANES ARRIVED APPROX 5
DAYS AGO

Originator's No.

HQ/14/1 (.) RESTRICED (.) FOR HQ BUDDO EN-A (.) A-222222 1012
 375 TO A4 GRADE HQ AT ANONA (.) HADAMTINGUALIATAA 901 IS WORKING
 COMPLETION (.) HAD HADITING WITH G.O. H.O. HADAMTINGUALIATAA 901
 (.) AGREE ON RECEIPT OF ORDERS FROM YOUR H.C. THIS UNIT WILL
 ASSEMBLE THE ORDER AND MAKE A RUNNER FOR JIB BY HADITING HADITING
 ON A PLANE CAN DEPARTED WITH GRADE (.) HADAMTINGUALIATAA 901
 TRAVEL AFTER JIB IS ASSEMBLED WITHIN A RUNNER (.) THIS HAS CAUSED
 ANOTHER DELAY OF 7 DAYS (.) 191 TONS OF DUMPT ARRIVED ANONA 5
 DAYS LATE

5285

This message may be sent
 AS WRITTEN by any means
 except:

WIRELESS
 L. J. D. L.

Signed: MAJOR R. R.

If liable to be intercepted or to fall
 into enemy hands this message must
 be sent IN CIPHER

Originator's Instructions.
 Degree of Priority.

IMPORTANT

Time	System
THU or TOR	1202
Time Cleared	

MESSAGE FORM

Register No.

ARMY FORM C 2136 (Large)

Transmission Instructions

Call No. Priority

ABOVE THIS LINE FOR SIGNALS USE ONLY

Office Date Stamp

FROM

Originator

Date-Time of Origin

(A) MAJOR MOLE
I.S.R. - ANCONA
C/O SIGNAL OFFICE
for Action.

11 SEPT.

B NIGALLIA

TO O.C. 120 INDIAN RLY MAINTENANCE COY I.E.I.
(W) for Information (INFO)

Message Instructions

GR

Originator's No.

483/11/2 (.) REFERRED (.) REFERENCES VARIOUS AIRCRAFTMENTS WIDE
 IRELAND RE REMOVAL ON STEELWORK FROM BRIDGES ON LINES 36 NORTH (.)
 CRANE WITH CRAN FOR THIS WORK NOW AT ANCONA (.) ESSENTIAL WORK AT
 THE BRIDGES BE COMPLETED IMMEDIATELY AS STEEL IS REQUIRED
 FOR RE-USE ON OTHER BRIDGES (.) PLEASE CONTACT 192 RLY DEPARTING
 & LONG AS I.S.R. TO ARRANGE POSSESSIONS (.) WOLF LEAVING ANCONA
 TODAY RETURNING THURSDAY EVENING

Originator's No.

AND 1/2 (.) RE-ESTABLISHED (.) RE-ESTABLISHED VEHICLE ARRANGEMENTS FOR
IRLAND RE-REMOVAL ON STEELWORK FROM BRIDGES ON LINE 26 NORTH (.)
GRASS WITH GRASS FOR THIS WORK NOW AT ANCONA (.) ESSENTIAL WORK AT
THE ANCONA BRIDGE BE COMPLETED IMMEDIATELY AS STEEL IS REQUIRED
FOR RE-USE ON OTHER BRIDGES (.) PLEASE CONTACT 192 RLY DEPARTMENT
* CONCERN I.S.R. TO ARRANGE POSSESSIONS (.) WOULD BE LEAVING ANCONA
TODAY RETURNING THURSDAY EVENING

5283

This message may be sent as WRITTEN by any means except	If unable to be intercepted or to fall into enemy hands this message must be sent in CIPHER	Originator's Instructions Degree of Priority	Time	System
			1900	Y
WIRELESS		IMPORTANT		
Signed: <i>E. J. H. H.</i> MAJOR R. B. MAJOR		Signed:		

EIS 14 316



HABA
MWRU V ~~NR~~ NR 77
FROM TH INC (TRANSPORTATION SUB-COMM) 111330B
TO MAJOR MOLE ISR ANCONA C/O SIGNAL OFFICE
GR16 BT
O.15 RESTRICTED. RELEASE OF STEEL AUTHORIZED CONTACT 333 TSD
AND ASK FOR STEEL FOR JOB 77/15 A
BT 111330B
SENT SRL 77 GWW B K
RD 1430 PIER K

Noted. Details to be forwarded
upon letter of contract.

(1)

MAJ MOLE

ISR

40 Signal Office

11/316

Am cone

IMPORTANT

104 MWRU V MABA IMPORTANT
FROM TN MAIN ROME - 121520B
TO MAJOR MOLE C/O ISR ANCONA
GR21

375TN.A.4 . UNCLASSIFIED . FOR MOLE FROM MCMURDO . HAVE YOU YET
RECEIVED YOUR BROWNHOIST CRANE FROM TARANTO AND THE 200 TONS OF
CEMENT .

BT

121600B

MITCHELL AR .

RD 104 121601B JW AR K

*Not answered
EPA*

(P) ELS 12/507



[Handwritten signature]

0810

IMPORTANT

high level

ISR

intelligence

507





11/590

~~122-8 HARRIS V MABA QIM~~

FROM TN MAIN ROME - 11

TG 330 TSD

INFO :- MAJOR MOLE C/O SIGNAL OFFICE ANCONA

GR27

349TN2 . UNCLASSIFIED . RELEASE THE FOLLOWING TO MAJOR MOLE, A.C. .

RSJ'S 24 INCH X 7.1/2 INCH X 24 FEET LONG - 2 NOS. . THESE FOR USE ON

JO^B 87/15A .

BT

111700B

MITCHELL B .

5282

HEADQUARTERS ALLIED COMMISSION
APO 394
COMMERCE SUB-COMMISSION

/xxx 1p

RELEASE ORDER No. AC. 3153 9 June 1945 DEMAND No. AC. A- 252

TO : Transportation Subcommittee (Rail Division)
For Italian State Railways- Pescara

REFERENCE: your MAT 10 dated 7 June 1945.

1. The following items have been released to you by Commerce S/C, HQ AC:

ITEM	MATERIAL	QUANTITY	FOR PERIOD
a.	Oxygen	20,000 Cu.Ft.	June
b.			
c.			
d.			

2. The above items will be collected by you from stocks located at:

TERNI
94 CGD SAEG (Br)

3. Collection should be made by during June 1945, failing which this Release Order ceases to be valid.

4. Remarks Own containers will be supplied

Encl: 1 Form MAT 10

1 " AFRN
Copy to:

John P. MacKays
W. P. EVANS
Colonel-Director
Commerce Sub-Commission

Form AC MAT No. 11.

5281

lp

ALLIED COMMISSION
COMMISSIONE ALLEATA

Armed Forces Release Note
(for Releases from Allied Armed Forces to Italian Civilian
Agencies requested by AC/AMG)

Notifica per la consegna di merci effettuate dalle FF.AA.
Alleate (per la consegna richiesta dall'AC/AMG a favore degli
Enti Civili Italiani)

Date... 9 June 1945....

Ref. AC/3153/Commerce

From Commerce Subcommittee HQ AC

(Memo of AC/AMG Sub-Commission or unit including note)

Sottocommissione del Commercio HQ AC

To (Sottocommissione e reparto dell'AC/AMG che emette la notifica)

To :
At : Consiglieri (2 copie) Italian State Railways - Pescara.....
Ente che prende in carico la merce (2 copie)
Istituto Commercio Estero.
Chief Accountant AC.

1. As agreed with the competent Allied Military authorities,
this note constitutes the authority for the above mentioned
consignees, namely, Italian State Railways - Pescara.....
to take delivery from TERNI - 94.000.000.000 (Br).....
of the undermentioned goods: Oxygen.....
Come d'accordo con le competenti autorità militari alleate,
in presente notifica autorizza l'Ente sopra indicato
a prendere in carico la merce sotto elencata.

2. Payment will be made by the consignee to the Istituto
Commercio Estero on demand from them.

L'Ente che ha preso in carico la merce ne effettuerà il pa-
gamento all'Istituto Commercio Estero, a richiesta di
quest'ultimo.

3. The unit of the Armed Forces making the issue should complete
the declaration in para. 4 below noting any differences between
quantities actually received and those authorized. The
consignee will sign the receipt in para. 5 below and mark XXXX
XXXXXX this note to the Unit of the Armed Forces making the
issue who will transmit same to the Chief Accountant AC.

1. Commerce (see note)

(Name of AC/AM Sub-Commission or unit issuing note)
Sottocommissione del Commercio HQ AC

To (Sottocommissione o reparto dell'AC/AM che emette la notifica)

To :
Al :
Consignee (2 copies) Italian State Railways - Pescara
Ente che prende in carico le merci (2 copie)
Istituto Commercio Estero.
Chief Accountant AC.

1. As agreed with the competent Allied Military authorities, this note substitutes the authority for the above mentioned consignor, namely Italian State Railways - Pescara to take delivery from TERNI - 94 GRD SAEC (Br) of the undermentioned goods: Oxygen
Come d'accordo con le competenti autorità militari alleate, la presente notifica sostituisce l'ente sopra indicato a prendere in carico le merci sotto elencate.

2. Payment will be made by the consignee to the Istituto Commercio Estero or demand from that.

L'ente che ha preso in carico le merci ha effettuato il pagamento all'Istituto Commercio Estero, a richiesta di quest'ultimo.

3. The unit of the armed forces making the issue should complete the declaration in para. 4 below noting any differences between quantities actually delivered and those authorized. The consignee will sign the receipt in para. 5 below and have the ~~XXXXXX~~ this note to the limit of the armed forces making the issue, who will transmit same to the Chief Accountant AC.

Il reparto delle FF.AA. Alleate che effettua la consegna deve il rapporto delle FF.AA. Alleate che effettua la consegna deve compilare la dichiarazione di cui al paragrafo 4 annuando la differenza fra la quantità di merci effettivamente consegnate e quella autorizzata. L'ente che prende in carico le merci firmerà per ricevuta al paragrafo 5 e rimetterà ~~XXXXXXXXXX~~ la presente notifica al reparto delle FF.AA. Alleate che effettua la consegna, il quale a sua volta la trasmetterà al Chief Accountant della Commissione Alleata.

See back of form
./.

606

- 2 -

4.

Commodity Description della merce	Trade Unit Unità di misura d'uso	Weight or Number of cases, boxes, etc. 2000 o meno po dei colli	Price Prezzo Unitario globale	Cost Costo globale
Oxygen	Cu.Ft.	20,000		

The above supplies were delivered to.....
 Le merci su indicate sono state consegnate a.....

Remarks: (if quantities actually delivered did not agree with
 authorized quantities as above this should be noted
 here)

Observations: (se le quantità effettivamente consegnate non
 corrispondono alle quantità autorizzate come
 sopra, l'osservazione deve essere annotata qui
 di seguito).

Date.....
 Data.....

Unit of Allied Armed Forces
 making the issue (Rapporto delle
 F.A.A. alleate che effettua
 la consegna).

5. Received the supplies as set out in para. 4 above.
 Si dichiara ricevuto delle merci elencate al paragrafo 4.

The above supplies were delivered to.....
Le merci en indiquée sont suite consignate :

Remarks: (if quantities actually delivered did not agree with
authorized quantities as above this should be noted
here)

Osservazioni: (se le quantità effettivamente consegnate non
corrispondono alle quantità autorizzate come
sopra, l'osservazione deve essere annotata qui
di seguito).

Date.....
Data.....
(Unit of Allied Armed Forces
making the issue (Reparto delle
FF. A.A. alleate che effettua
la consegna)).

5. Received the supplies as set out in para. 4 above.
Si dichiara ricevuto delle merci elencate al paragrafo 4.

Signature of Consignee)
(Firma di chi ha ricevuto
le merci)

Date.....
Data.....

HEADQUARTERS ALLIED COMMISSION

APO 394

COMMERCE SUB-COMMISSION

Form COMAT No. 10

Date 7 June 1945

1. DEMAND FOR CONTROLLED MATERIALS.
2. AMC/AC FORMATION TRANSPORTATION SUB-COMMISSION (Rail Division)
3. COMMODITY DEMANDED Oxygen
(Give particulars of specification on back of form)
4. QUANTITY REQUIRED: (In metric tons or other suitable unit)
- a) Single lot demand: 20,000 cu. ft.
- b) Next Month 20,000 cu. ft.
- c) Second Month 20,000 cu. ft.
- d) Third Month _____
5. JUSTIFICATION: (Detail this information on back of form)
6. SOURCES OF SUPPLY (if known). Give particulars:
- a) Has Material been located?
- b) If locally - where?
- c) If anywhere in Liberated Italy (including Sicily and Sardinia) - Where?
Release from Terni or a Plant near Pescara
- d) If blocked, give names of establishment and Military Unit concerned, quantities available, etc.:

7. ADDRESS FOR DELIVERY:

Own containers will
be furnishedConsignee: Italian State RailwaysAddress: Pescara8. It is certified that these supplies and stores are required for (URGENT),
(NORMAL), (STOCK PILING) purposes. (Strike out the words not applicable).Date 7 June 45

Signature

C. M. LONG, Major C. S.
(Rank, Title, Office).

For the Director

9. REGIONAL APPROVAL

Title

Date

5. Material is required for the reconstruction of the Pease and Toronto River bridges. This work is of a high priority.

Subject : Steelwork

To : Lt.Col. Street -
A.C.Tn.Sub-Comm.

c/o I.S.R. ncona
51 Area- Tel.2345
Date 22 August 45

Ref.AC/Tn/86/SB 8

1. Reference your signal 016 dated 20 August but not received this Office until 21 August.
2. Enclosed herewith my spare copy of letter AC/Tn/86/SB/7 dated 10 August and despatched you 11 Aug.
3. It was attempted to put this in signal form but ,however carefully worded , it was considered not suitable.
4. The spare copy has therefore been sent by Army Signal Office ancona and should reach your H.Q. within one day.

EJD

E.J.Mole - Major
A.C.Tn.4

5279

Office translation

Ancona , 14 August 45

To : Major Mole A.C.Tn.4

Subject : Line 86 Central -
Trento R. Bridge at 295+444 Km.

Reference your letter AB/Tn/86/BB3.

I inform you that the contract for removal and demolition of the original girders of the above Bridge had been let since a long time ago, immediately after reception of your letter.

The works, which had to be delayed through difficulties in getting the materials required, have been started 10 days ago.

As for replacing of the existing structures with UGAB spans which will be recovered from Lines 86 & 87, the requested investigations are being made and the result of them will be sent to you.

WORKS SECTION - ANCONA

Sgd. Ing. Morgana

N. del EPM.
file.



Name & mileage	Details of steel	Date of release -
River GARDIA Bridge at 64.03 Km.	No. 1 URB spans 5 1/2 ft long complete (1 main girder) No. 2 URB spans 60ft long complete (4 main girders)	mid October
River LALLOK Bridge No. 2 URB spans 55ft long complete at 50.03 Km. (4 main girders) No. 3 URB spans 60ft long complete (4 main girders)		mid October
River MONTOML Bridge at 61.93 Km.	No. 1 B - 60 workings - No. 64 / 3 1/2" x 11 1/2" x 14'-2" long. No. 78 / 3 1/2" x 11 1/2" x 14'-2" long. Joists are light rolled together in pairs flange to flange forming type of compound girder. No. 1 / 14'-2" lengths of truss double H.B.F.'s and No. 1 / 14'-2" lengths are flangeplated together to form one continuous length. These 12 lengths are used under each track.	mid October
River RUMCO Bridges at 67.37 Km.	No. 2 URB spans 55ft long complete (4 main girders) No. 3 URB spans 60ft long complete (5 main girders)	mid October
River SAKTU Bridge at 67.23 Km.	No. 1 B - No. 3 / 3 1/2" x 11 1/2" x 14'-2" long. (German) No. 64 / 3 1/2" x 11 1/2" x 14'-2" long. No. 78 / 3 1/2" x 11 1/2" x 14'-2" long. No markings. Assumed to be of German River Bridge.	mid October
River RUETUOGE Bridge at 66.22 Km.	No. 2 URB spans 60ft long complete (4 main girders)	mid October

- Page 2 -

Name & mileage	Details of steel	Probable date of release -
River FIURICINO Bridge at 95.00 Km.	No. 2 UCRB spans 55ft long complete (4 main girders)	mid October
River UBO Bridge at 100.00 Km.	No. 2 UCRB spans 65ft long complete (4 main girders) No. 12 / R.S.J's 24" x 7 1/2" x 30'-11" long. (20-man long)	Mid Oct.
River MARINO Bridge at 120.41 Km.	No. 2 spans Standard Plate girders extended to 15ft complete. (4 Plate girders) - No. 2 R.S.J's 39 3/8" x 11 7/8" x 45'-3" long. No. 2 R.S.J's 39 3/8" x 11 7/8" x 46'-0" long. (R.S.J's have no markings)	Beginning September
River MARANELLO Bridge at 128.17 Km.	No. 2 UCRB spans 65ft long complete (4 main girders)	Beginning September
River TAVARELO Bridge at 129.80 Km.	No. 2 UCRB spans 60ft long complete (4 main girders)	Beginning September
River FOULIA Bridge at 141.89 Km.	No. 1 UCRB span 95ft long complete (3 main girders) No. 1 span Standard Plate girders 40ft long complete (4 Plate girders) No. 4 R.S.J's 23 1/2" x 15 3/4" x 45'-5" long. No. 4 R.S.J's 31 1/2" x 11 7/8" x 53'-6" long. No. 4 R.S.J's 23 3/4" x 11 3/4" x 47'-3" long. No. 4 R.S.J's 23 3/4" x 11 3/4" x 47'-7" long. No. 4 R.S.J's 23 3/4" x 11 3/4" x 48'-3" long.	Ready to assemble now. Available suitable crane.

5276

River M.R.HO Bridge at 120.41 Km.	No. 2 spine Standard Plate Girders extended to 55ft complete. (6 Plate Girders) -	Beginning September
	No. 2 R.S.J's 39 3/8" x 11 7/8" x 45'-3" long.	
	No. 2 R.S.J's 39 3/8" x 11 7/8" x 40'-6" long.	
	(R.S.J's have no markings)	
River MARANELLO Bridge at 118.17 Km.	No. 2 UCB spurs 55ft long complete (4 main girders)	Beginning September
River TAVAILO Bridge at 129.80 Km.	No. 2 UCB spurs 60ft long complete (4 main girders)	Beginning September
	No. 1 UCB spurs 95ft long complete (3 main girders)	Ready to disassemble now, awaiting suitable crane.
	No. 1 Spun Standard Plate Girders 60ft long complete (4 Plate girders)	
	No. 4 R.S.J's 33 1/8" x 15 3/4" x 46'-5" long.	
	No. 4 R.S.J's 31 1/2" x 11 7/8" x 53'-6" long.	
	No. 4 R.S.J's 23 1/4" x 11 3/4" x 47'-3" long.	
River PROFILA Bridge at 143.81 Km.	No. 4 R.S.J's 21 1/4" x 11 3/4" x 47'-7" long.	5278
	No. 4 R.S.J's 23 3/4" x 11 3/4" x 48'-3" long.	
	No. 2 R.S.J's 33 1/8" x 11 7/8" x 45'-1 1/4" long.	
	(R.S.J's have no markings)	
River ARZILLA Bridge at 155.20 Km.	No. 2 R.S.J's 33 1/8" x 15 1/4" x 44'-9 1/2" long. Ends up ex 34' to 1/4" and 19'-10 1/4" length fabricated together.	
	No. 2 R.S.J's 33 1/8" x 15 3/4" x 45'-11" long. Made up ex 34'-11 1/4" and 10'-11 3/4" lengths fabricated together	

Page 3

Name & Mileage	Details of steel	Probable date of release -
River BRIDGE at 159. 50 Km.	No. 1 R.S.D's 33 1/2" x 15 3/4" x 43' - 3 3/4" long. Made up ex 11' - 11 1/4" and 13' - 1 1/2" lengths fishplated together. No. 2 R.S.D's 33 1/8" x 15 3/4" x 43' - 1/2" long. Made up ex 4 lengths each of 14' - 1 1/2" fishplated together. No markings on R.S.D's.	Ready to dismantle now. Awaiting suitable crane.
River BRIDGE at 159. 50 Km.	No. 2 R.S.D's 33 1/8" x 15 3/4" x 46' - 3" long. Made up ex 14' - 1 1/4" and 11' - 1 3/4" lengths fishplated together. No. 18 R.S.D's 33 1/8" x 15 3/4" x 14' - 1 1/4" long. ^{dotted} All these joints are marked at ends and fished together to form 6 continuous girders.	Available at once. Awaiting suitable crane.
LINE 87 -		
River BRIDGE at 241. 90 Km.	No. 1 UCRS span 65ft long - (2 main girders) No. 1 R.S.D's span 100ft long. (2 main girders)	End September
River BRIDGE at 258. 18 Km.	No. 2 spans of standard Plate Girders 100ft long complete. (12 Plate girders).	End September
Viaduct at POSSATO di VICO at 209.34 Km.	No. 1 UCRS span 65ft long complete (2 main girders) No. 2 R.S.D's 31 1/2" x 11 3/4" x 20' - 6" long. No. 2 spans standard 40ft Plate girders complete (3 Plate girders)	End September
River BRIDGE at 190.	No. 1 span UCRS 80ft long complete (3 main girders)	End September

together. No bearings on R.C.P's.

River Miferno Bridge at 159. 60 Km.	No. 2 H.S.P's 13 1/2" x 15 3/4" x 46'-5" long. Spaced up ex 33'-3" 1/4" and 1'-3 3/4" long. The fish plates together.	Available at once. awaiting suitable crane.
	No. 13 H.S.P's 33 1/2" x 15 3/4" x 34'-3" 1/4" long. <i>rolled</i> All these joints are rolled at ends and fitted together to form a continuous girder.	
LINE 27		
River Miferno Bridge at 241. 90 Km.	No. 1 URB span 65ft long - (2 main girders) No. 2 URB span 80ft long. (2 main girders)	End September
River Miferno Bridge at 256/4 18 Km.	No. 3 spans of standard plate girders 48ft long complete. (12 plate girders).	End September
Viaduct at FOUSATO di VIUO at 209.84 Km.	No. 1 URB span 65ft long complete (2 main girders) No. 2 H.S.P's 31 1/2" x 15 3/4" x 30'-5" long. No. 3 spans standard 48ft plate girders complete (8 plate girders)	End September
River Miferno Bridge at 150. 13 Km.	No. 1 span 65ft long complete (3 main girders)	End September

In addition to the above, there is steel to be recovered from Line 66 South, River Miferno and Gfanto Bridges. Details of these are not known but will be obtained on next monthly tour of inspection at end of August.

E.J. Mole - Major
A.J. M. 4

0629

20/493

TO THE VICE CHAIRMAN
 FROM THE TRANSPORTATION SUBCOM
 TO MAJOR ROLE PER VICE CHAIRMAN'S SIGNAL OFFICE ANCONA



BT
 D. IS BESTO . . . BEING LINE OF NORTH AND IT SOUTH . SIGNAL DETAILS OF
 BEING RECOVERED AT REQUESTED ON YOUR LAST VISIT HERE
 BT 281130Z

END OF LINE

CCM AND FROM

TRANSPORTATION SUB COM

TO JIA RM

5274

20/493

Maj. MOLE
I. S. R
c/o Signal office

174

Subject : Dismantling of Steelwork.

c/o I.S.R. Anc.

61 Area - Tel. 2345

Date 6 August 45

To : Capo Sezione Lavori -
ISR - Ancona -

Ref. AC/Tn/86/SB 6

1. Further to my letter AC/Tn/86/SB 1 dated 27 June 1945, it was noted while on a tour of inspection that in no cases has the work been commenced.
2. Please therefore arrange to have the clearance work on all these structures commenced immediately.
3. The release for oxygen originally requested for this work is now non valid due to non collection during the month of June.
4. A new application has been made for August and September and will be made available immediately the contractor applies to you for supplies.

EJN

B.J.Mole - Major
RE
A.C.Tn.4

5273

Subject : Line 86 Central -

Clearance of demolished steelwork

To : Major Long - A.C.Tn. Sub Comm. 4

/o I.S.R. - Ancona
61 Ates - Tel. 2345 -
Date 8 August 1945 -
Ref. AC/Tn/86/ SB 5

1. Reference your AC/MAT/15/15Tn4 and enclosed Release Order No. AC 3153.
2. Unfortunately the I.S.R. allowed this Release to become non valid due to non collection .
3. Will you please get same extended to cover the current month and September ?

E. J. Molo
E. J. Molo - Major
A.C.Tn. 4

8272

0633

FILE COPY

Subject : Dismantling of Steelwork -

c/o I.S.R. - Ancona
61 Area - Tel. 2145
Date 8 August 1945-

Ref.AC/Tn/86/SB 4

To : Capo Sezione Lavori -
I.S.R. - Ancona -

1. In confirmation of the meeting held in this office on 7 Aug.
2. Major Starley, C.C.122 Ind Rly Maint Coy I.S., will dismantle the steelwork at present carrying the tracks on the following reconstructed bridges:
 - Line 36 North : (a) River Poggia Bridge at 143+81 Km.
(b) River Mareno Bridge at 118+17 Km.
(c) River Metauro Bridge at 159+82 Km.
 - Line 87 : (a) Rio Bone Bridge at 225.00 Km.
3. In addition the same coy will erect the temporary waybeams for the repairs to the River Esino Bridge at 192+85 Km. in Line 86.
4. The dates for all this work are dependant on the availability of a crane. The use of a crane has been applied for but no firm date is known when this will be available. It is however understood that a week to 10 days is the maximum time before the crane does arrive.

Copy to : Major Starley
C.C.122 Ind Rly Maint Coy
IE

E.J.Mole - Major
RE
A.C.Tn.4

5271

Subject : Line 86 Central - River Front Bridge
at 195+444 Km.

c/o I.S.R. - Ancona
 54 Area - Tel. 2145
 Date 8 August 1945
 Ref. 86/17/86/SB 3

To : Capo Sezione Lavori -
 ISR - Ancona -

1. Reference my letter 1/76/86/SB 1 dated 27 June 45.
2. While on a tour of inspection of the above line on 26 July it was noted that no work has as yet been commenced on the demolition of the original destroyed girders of the above bridge.
3. These girders are blocking the water way badly and must be cleared forthwith as serious scour is likely to take place as a result of this obstruction together with the large masses of masonry etc. in the stream bed.
4. Please arrange to have this work commenced immediately.
5. The new bridge has intermediate steel trestles between the brick piers. This was done on account of the steel available for deck spans at the time of construction.
6. Now certain BCRB girders are being released from bridges of Line 86 North and Line 87.
7. Please investigate whether any of the BCRB spans to be released in the near future would be suitable as for this bridge to span from abutments to brick piers or between brick piers.

E.M.
 E.M. - Major
 RE
 A.C.Tn.4

Subject : Erection & removal of Steelwork

c/o I.S.R. - Anzons
61 Area - Tel. 2345.
Date: 7 August 1945.

To : Lt. Col. Street -

A.C. Tn. Sub Commission.

Ref. 33/Tn/35/3A 2

1. At discussions on the above subject with the Capo Serione Lavori of Anzons and Bologna, the following facts emerged :

(a) All this work was formerly done by contractors.
(b) The I.S.R. had no mobile railway cranes except for brake down purposes but these were never used for steelwork erection or dismantling. The contractors supplied all the plant they considered necessary.

(c) Steel bridges were generally built up along side the original structure if it was a case of renewal and then rolled into position.
(d) The I.S.R. Comptiments do not have bridge cranes capable of carrying out major erection works.

2. From the above it will be seen that for the work at present in hand on Lines 55 & 57 of replacing steel bridges with brick arches the I.S.R. are not in a position to remove the steelwork after the brickwork has been completed.

3. Further the method of construction is such that the steelwork can not be conveniently rolled out when it is required to be removed and must be lifted out.

4. The use of a mobile crane can be obtained but there is no I.S.R. personnel available for carrying out the work.

5. The removal of steelwork has in the immediate past been carried out by I.R.C. 3.4 group loaned for this work.

6. This can continue, by permission of Lt. Col. Simpson, so long as this group remains but such an arrangement is of limited duration and not too satisfactory. Further in the case of the rivers Oleno & Biferno bridges, the group will not be able to do the work.

The following suggestions are therefore submitted for your consideration :

- (a) Some central authority must be formed to take the responsibility of providing or training immediately men capable of carrying out the work.
- (b) The crane can not be loaned indiscriminately to contractors. Trained cranes must be available and responsible at all times for the

(b) The I.S.R. had no mobile crane available for steelwork erection or down purposes but these were never used for steelwork erection or dismantling. The contractors supplied all the plant they considered necessary.

(c) Steel bridges were generally built up along side the original structure if it was a case of renewal and then rolled into position. (3) The I.S.R. Companies do not have bridge gangs capable of carrying out major erection works.

From the above it will be seen that for the work at present in hand on Lines 35 & 37 of replacing steel bridges with brick arches the I.S.R. are not in a position to remove the steelwork after the brickwork has been completed.

Further the method of construction is such that the steelwork can not be conveniently rolled out when it is required to be removed and must be lifted out.

The use of a mobile crane can be obtained but there is no I.S.R. personnel available for carrying out the work.

The removal of steelwork has in the immediate past been carried out by I.R.C. 3.4 Group loaned for this work.

This can continue, by permission of Lt. Col. Simpson, so long as this group remains but such an arrangement is of limited duration and not too satisfactory. Further in the case of the Rivers Ofanto & Biferno bridges, the group will not be able to do the work.

The following suggestions are therefore submitted for your consideration:

(a) Some central authority must be formed to take the responsibility of providing or training immediately men capable of carrying out the work.

(b) The crane can not be loaned indiscriminately to contractors. Trained crews must be available and responsible at all times for the crane.

(c) The steelwork gangs can be either I.S.R. employees or provided by a firm of contractors who will undertake to carry out work in various areas of the country at given set prices plus extra for travelling, lodging etc. Should this latter suggestion be adopted, then the firm should send men to first see the way the present jobs are handled, then to carry out similar work under military supervision before being allowed to tackle work entirely on their own.

5209 597

48



KEYW V KABA 134

FROM TN INC (TN SUB COMMISSION) 171230

TO MAJOR MOLE E/O ITALIAN STATE RAILWAYS 61 AREA

BT

0.56
~~RESTRICTED~~ RESTRICTED . PENDING ~~RESTRICTED~~ FURTHER INSTRUCTIONS

CANCEL MY SIGNAL 2/53 OF 10 JULY . SPANS NOW NOT AVAILABLE

BT 171230

SENT WHM AR

5268

Subject : Line 36 Central -

Demolition of Steel Bridges

C/o I.S.R. -
61 Area - Tel. 2345.
Date. 27 June 45 -

Ref. AD/En/56/35 (1)

To : Capo Sezione Lavori -
I.S.R. - Ancona

1. Reference the conference on the above subject, application has been made for the release of oxygen and acetylene for carrying out this work.

2. The release has now been granted and is attached herewith.

3. Please therefore arrange to let contracts for the following works and allow the contractors appointed to draw their supplies on this release :

- (a) Pescara River Bridge.
- (b) Tronto River Bridge.
- (c) The clearing up of the sites of the already partly demolished Steel Bridges :
 - at 274+20 Km.
 - at 268+74 Km.
 - at 267+63 Km.

EPR
R.I.Mole - Major RE
A.S.En.4

5267

ALLIED FORCE
MILITARY RAILWAY SERVICE ITALY
OFFICE OF THE DIRECTOR (DMRSB)

Subject: 2' 6 1/2" Extensions to
40' 0" Sectional Bridge.

Ref: Tn.A.A./134.

10 April 1945.

To: 1. Tn.Z.

Copy to: 350 T.A.D. (3 copies Dwg.)
329 T.A.D. (1 copy " ")
Major Role c/o T.A.A.A.A. (2 copies Dwg.)
T.A.A. 1212. (2 copies Dwg.)
Monsieur Metairie (2 copies Dwg.)

Herewith revised copies of Dwg. No. Tn/aa/162.

Please destroy your previous copies.

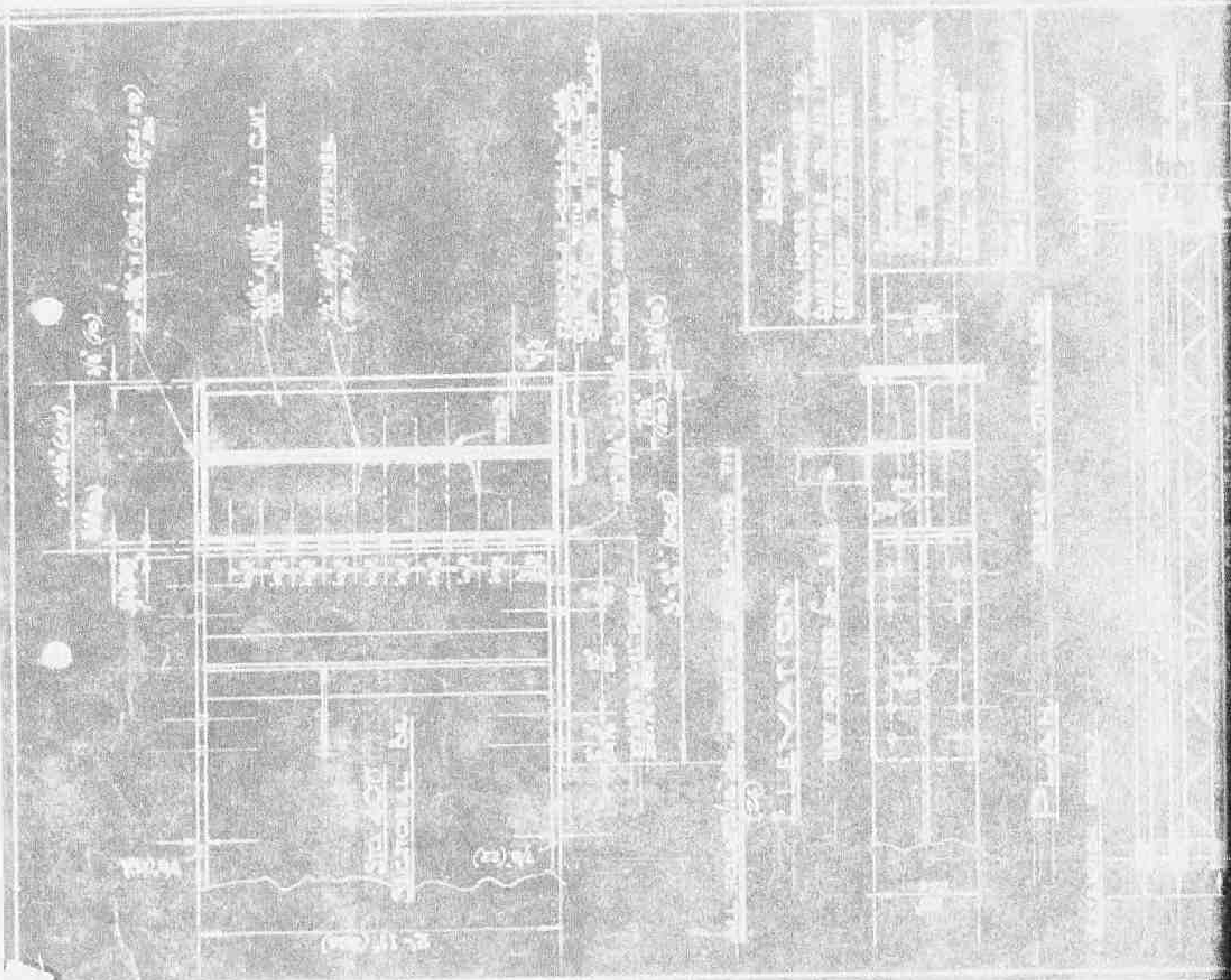


5286

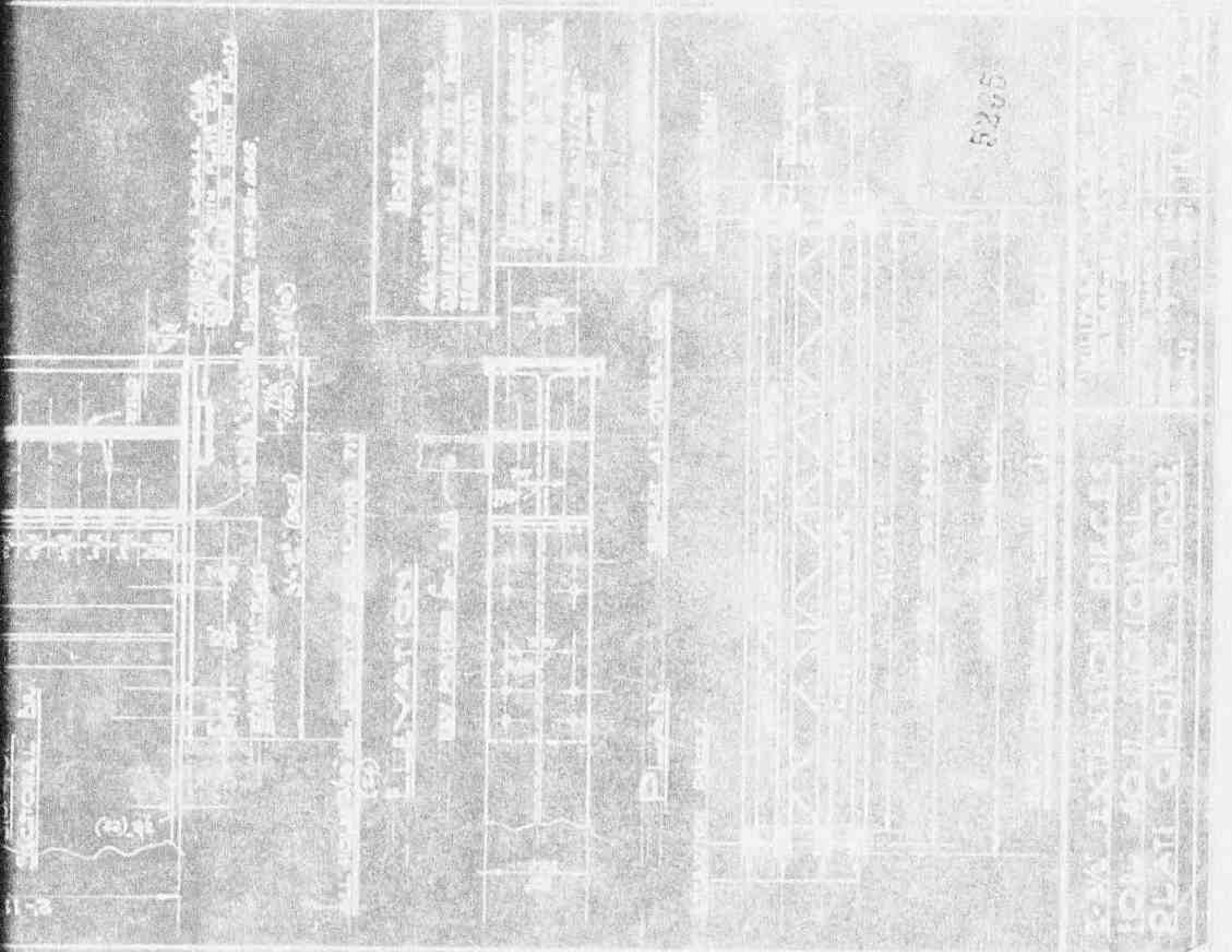
P. P. Leaton

(P.P. Leaton) S/Capt.
for Brigadier.
Director, Military Railway Service.

0640

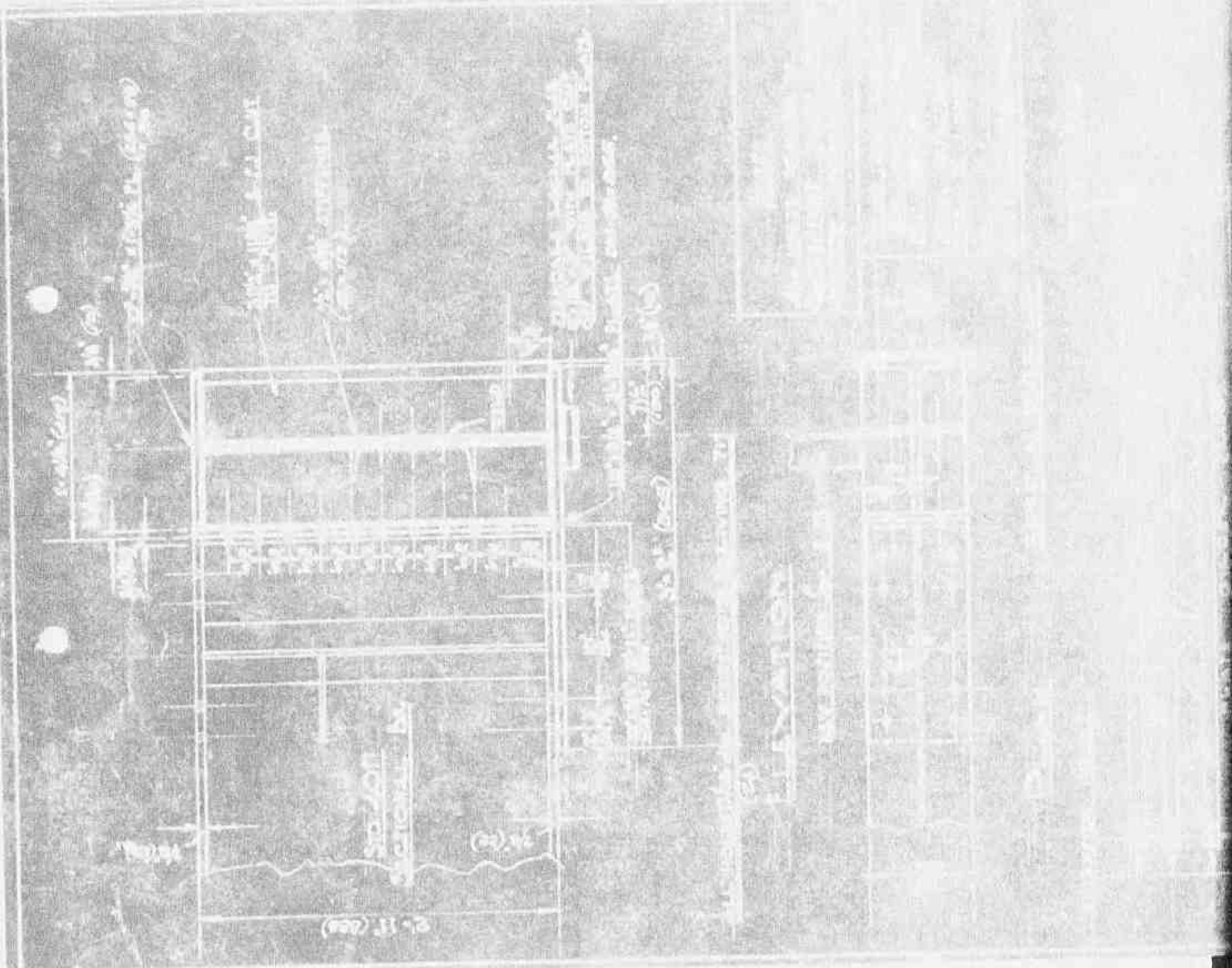


0641

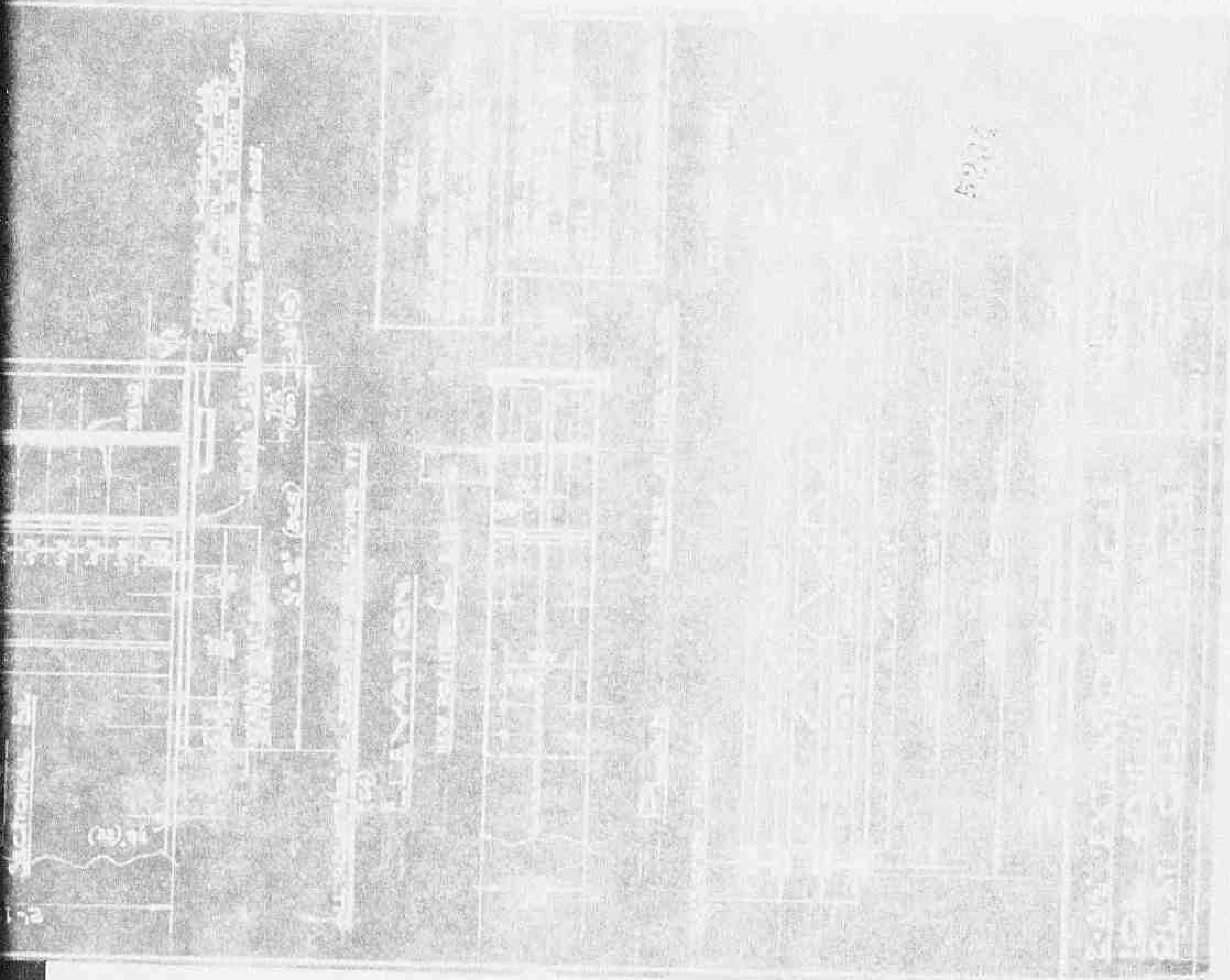


BEST COPY POSSIBLE

0643



0644



Subject : Bridge
Drawings.

Military Railway Service,
O.R.F.

Tel; Firebox 12.
Outside Line B43071.
Ref; Tn.A.4/145.

To : R.C.A. 1212.

Copy to : Tn.2.

9 April 1945.

(Major Hale. c/o }
I.R.C.B.A.
329 T.S.D.
330 T.S.D.

Reference your A/RCR/313/1422 dated 4 April 1945.

Error in stores schedule Tn/SD/161.A. regretted.
Duplicate revised prints are enclosed.

A.P. Seaton

(P.P. Seaton) S/Capt.
For Brigadier,
Director, Military Railway Service.

0646

Overall length

Mark	DESCRIPTION	21'-0"	23'-0"	27'-0"	31'-0"	35'-0"
N26	16'-6" x 55 lbs R.S.J. 21'-0" Lg	4	-	-	-	-
N27	24'-7 1/2" x 55 lbs R.S.J. 27'-0" Lg	-	4	4	-	-
N28	do do 31'-0" Lg	-	-	-	2	-
N29	do do 35'-0" Lg	-	-	-	-	5
N30a	Spacer Unit 2'-6" Lg	-	-	-	-	3
N30j	do 4'-0" Lg	3	3	4	4	-
L6	Bracing Angle	4	3	6	7	-
N30i	Diaphragm	12	10	12	12	24
N30e	Bracing Cleat	2	3	3	4	-
Bolt	3/4" Dia ⁵ x 2" Lg & nut	133	150	130	133	130
	3/4" Dia ⁵ x 2 1/2" Lg & nut	-	-	-	-	55
	3/8" Out Round Washer	133	150	130	133	203
"	7/8" Dia ⁵ Hook colling Tray Hanger	24	36	31	35	40

R.S.J SPAN:ANCONSHEET 2 OF
DIAGRAMS 54MILIT.
ENGSTAN.
STCDate 17
Drawn 7
Checked
Approved

0647

Overall length

DESCRIPTION	21'-0"	24'-0"	27'-0"	31'-0"	35'-0"
R.S.J. 21'-0" Lg	4	-	-	-	-
R.S.J. 27'-0" Lg	-	4	4	-	-
4 31'-0" Lg	-	-	-	2	-
4 35'-0" Lg	-	-	-	-	5
2'-0" Lg	-	-	-	-	5
4'-0" Lg	3	3	4	4	-
	4	5	6	7	-
	12	10	12	12	24
	2	3	3	4	-
Lg & nut	153	150	180	150	150
1/2" Lg & nut	-	-	-	-	55
nut Washer	153	150	180	180	203
bolts Fully Nuts	24	26	31	35	40

R.S.J SPANS LINE 86
ANCONA - ORTONA

SHEET 2 OF 2 FOR KEY
DIAGRAMS SEE DRAWING TN/SD/161

MILITARY RAILWAY SERVICE
 ENGINEERING DEPT
 C. M. F.

STANDARD R.S.J SPANS
STORES SCHEDULE

Date 17th March 46
 Drawn J. G. G. 6/46
 Checked J. G. G. 6/46
 Approved J. G. G. 6/46

TN/SD/161A

0648

Overall length

Mark	DESCRIPTION	21'-0"	25'-0"	27'-0"	31'-0"	35'-0"
N25	18" x 6" x 35 lbs R.S.J. - 21'-0" Lg	4	-	-	-	-
N27	21" x 7 1/2" x 33 lbs R.S.J. - 27'-0" Lg	-	4	4	-	-
N26	" " " " " " - 31'-0" Lg	-	-	-	4	-
N28	" " " " " " - 35'-0" Lg	-	-	-	-	6
N30	Spacer Unit 2'-0" Lg	-	-	-	-	5
N30y	" " " " " " 8'-0" Lg	3	3	4	4	-
L6	Bracing Angle	4	5	6	7	-
N301	Diaphragm	12	10	12	12	24
N302	Bracing Cleat	2	3	3	4	-
Bolt	3/4" Dia. x 2' Lg & nut	158	150	180	180	180
	3/4" Dia. x 2'-6" Lg & nut	-	-	-	-	58
	3/4" Dia. Round Washer	158	150	180	180	206
	7/8" Dia. Hex coll. & wing Nuts	24	26	31	35	40

R.S.J. SPANANCOISPACER & O.
DIAGRAMSMILIT.
ENSTAN
STCDrawn
Checked
Approved

0649

Overall length

DESCRIPTION	21'-0"	24'-0"	27'-0"	31'-0"	35'-0"
25J, 21'-0" Lg	4	-	-	-	-
25J, 27'-0" Lg	-	4	4	-	-
do, 31'-0" Lg	-	-	-	4	-
do, 35'-0" Lg	-	-	-	-	6
2'-8" Lg	-	-	-	-	5
4'-0" Lg	3	5	4	4	-
	4	5	6	7	-
	12	10	12	12	24
	2	3	3	4	-
2' Lg & nut	138	150	180	189	130
2'-2" Lg & nut	-	-	-	-	55
Round Washer	168	160	180	199	208
or Collg Tray Washer	26	26	31	35	40

R.S.J SPANS LINE 86
ANCONA - ORTONA

SHEET 2 OF 2 FOR KEY
DIAGRAMS SEE DRAWG TN/SD/161

MILITARY RAILWAY SERVICE
ENGINEERING DEPT.
C. M. F.

STANDARD R.S.J SPANS
STORES SCHEDULE

Drawn 17th March '49
 Drawn 7 August '49
 Checked 11th May '50
 Approved 11th May '50

TN/SD/161A

Subject: Line 86, Arizona - Arizona
rail project.

Military Railway Service,
 C.M.F.
 Tel. Pirebox 30,
 Outside Line 863429
 En. A. 4/145.
30 Mar 45.

To : A.C.F. 1212.

Copy to: Tn. 2 (my letter Tn. A. 4/145 of 3 Mar 45 refers)
 Major Mole "
 329 Tn. S. A.
330 Tn. A. B.

1. A number of spacer units will be ready for despatch on Tuesday 3rd April, 1945. These are for the spans, items 3 - 7 inclusive of statement which accompanied my letter dated 3 March, ref. Tn. A. 4/145 to Tn. 2(a), copy of this statement is enclosed herewith for your information.

2. No bolts are being forwarded by the manufacturer. These will have to be supplied by Tn. S. A. in accordance with schedule shown in drawing no. Tn/34/161a, a copy of which has already been sent you.

3. Spacer unitak will be delivered by manufacturer to 329 Tn. S. A. for onward despatch to 330 Tn. S. A.



W. Wright
 (W. Wright) 2/Capt.
 for Brigadier,
Director, Military Railway Service.

Inter Office Memo.

Subj : Line 66. 3' 0"
extension pieces.

To: Tn. 2.

Copied to: 327 Tn. 2. D.
Major Hale, A.C.

Military Railway Service.
C.M.F.

Tele. Firebox 12
Outside Line 8,3071
Ref. Tn. A. 4/145.
28th March 1945.

Reference Tn. A. 4/145 dated 5th March 1945 Item No. 11.

Will you please consign the three sets of extension pieces delivered by Secord Electric, complete with all plates, bolts and washers, to 330 Tn. 2. D. for R.C.M. 1212.

H. M. Paddy Mgr RE

(H. M. Paddy)
Major A.C.
E. A. D. Tn. (E. A. D. Tn.)

Sub. to Surge Order No. 81.

Military Railway Service.
C.S.S.

Tele. Pirebox 12
Outside Line 84,3071
Ref. Ta. 1.4/145.
26th March 1945.

To: En. 2.

Copy to: R.C.S. 1212 (2 copies 28/3/1945)
Major Note, R.C. (2 copies 28/3/1945)

Further to my Ta. 1.4/145 dated 22nd March 1945 bearing
drawing 28/3/1945.

Herewith revised copies of the above drawings.

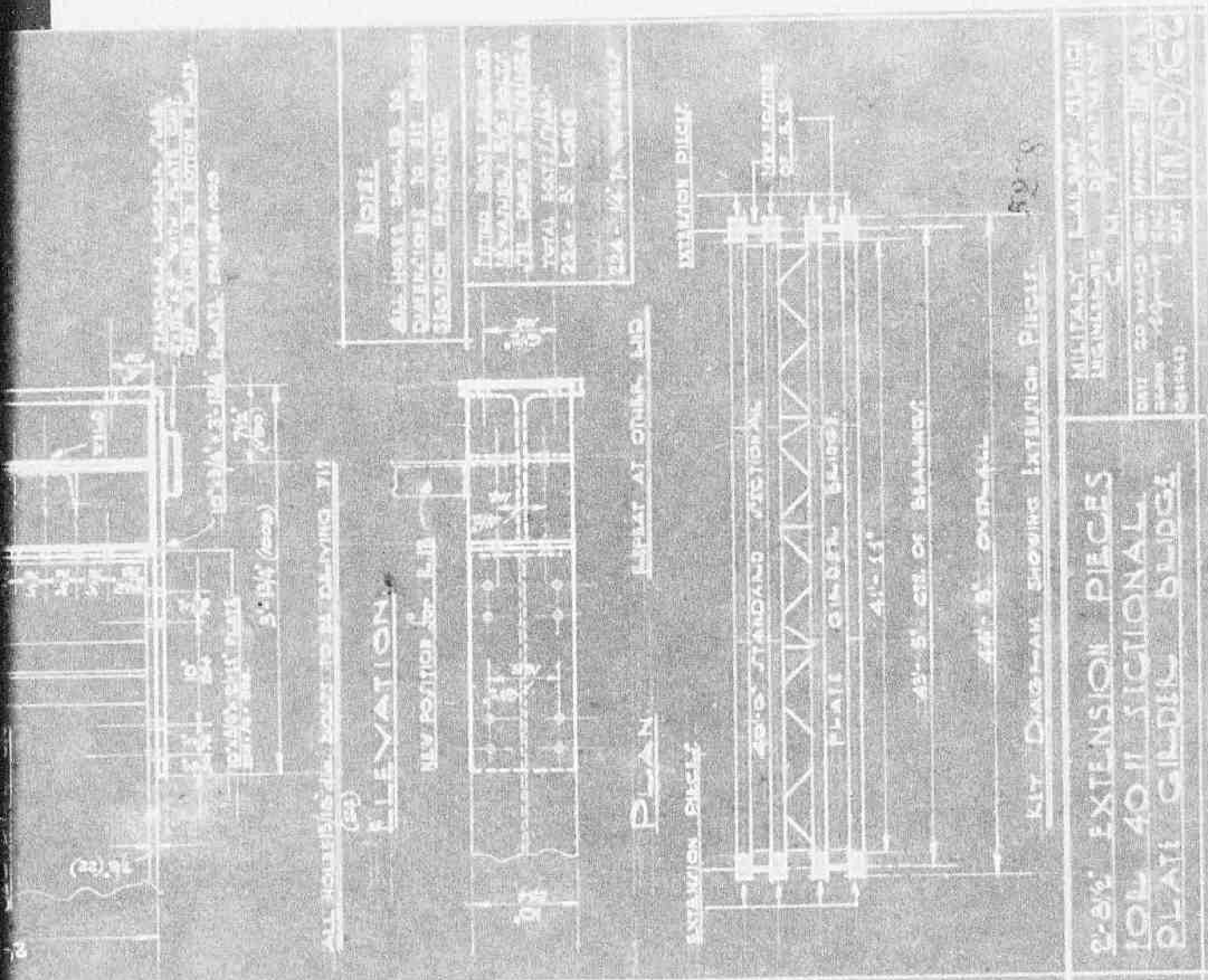
The length has altered by 1" overall otherwise no radical
alterations.



H. H. Paddy M.A. RE

(H. H. Paddy)
Major R.S.
for Brigadier,
Director, Military Railway Service.

0 6 5 4



Subject: Drawings and Schedules. Military Railway Service.
C.A.F.
Tele. Firebox 12
Outside Line 143071
Ref. Tn. 14/145
25th March 1945.

To: R.C.A. 1212.
350 Tn. A.D.

Copy to: Major Reid, A.C. of V.I.S.C.A.A.

Herewith triplicate copies of drawings as follows:-

R.C.J. Space Line 66 - Key plans Tn/35/101
Storage schedules Tn/35/101.A
Spacer Unit R. 50.7 Tn/35/106.C
Spacer Unit R. 50.8 Tn/35/136.E
Details R. 50.1 and 50.2 Tn/35/155.

A.C. Section 1

Key Drawing Tn/35/101.A. + Major Reid

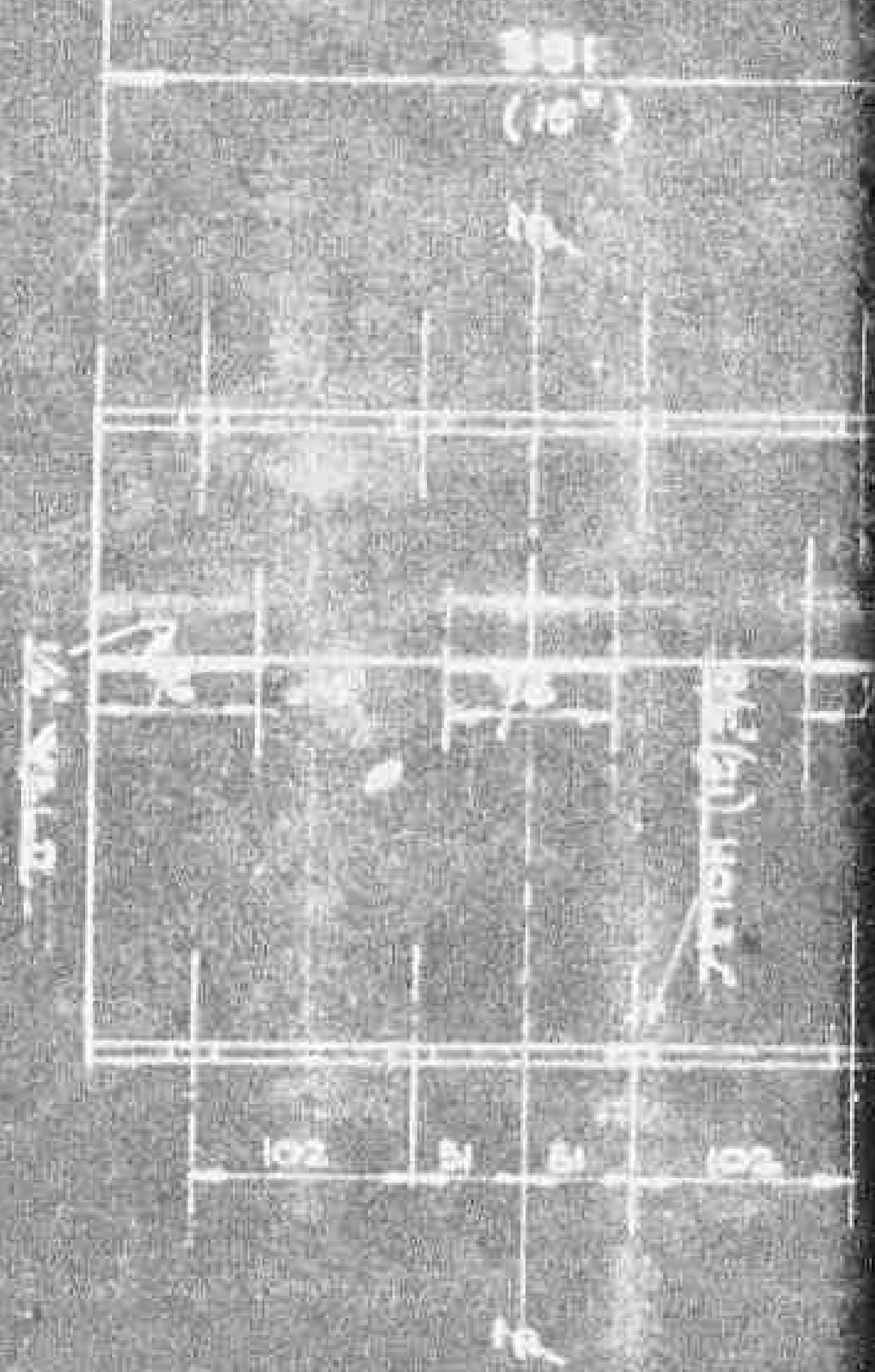
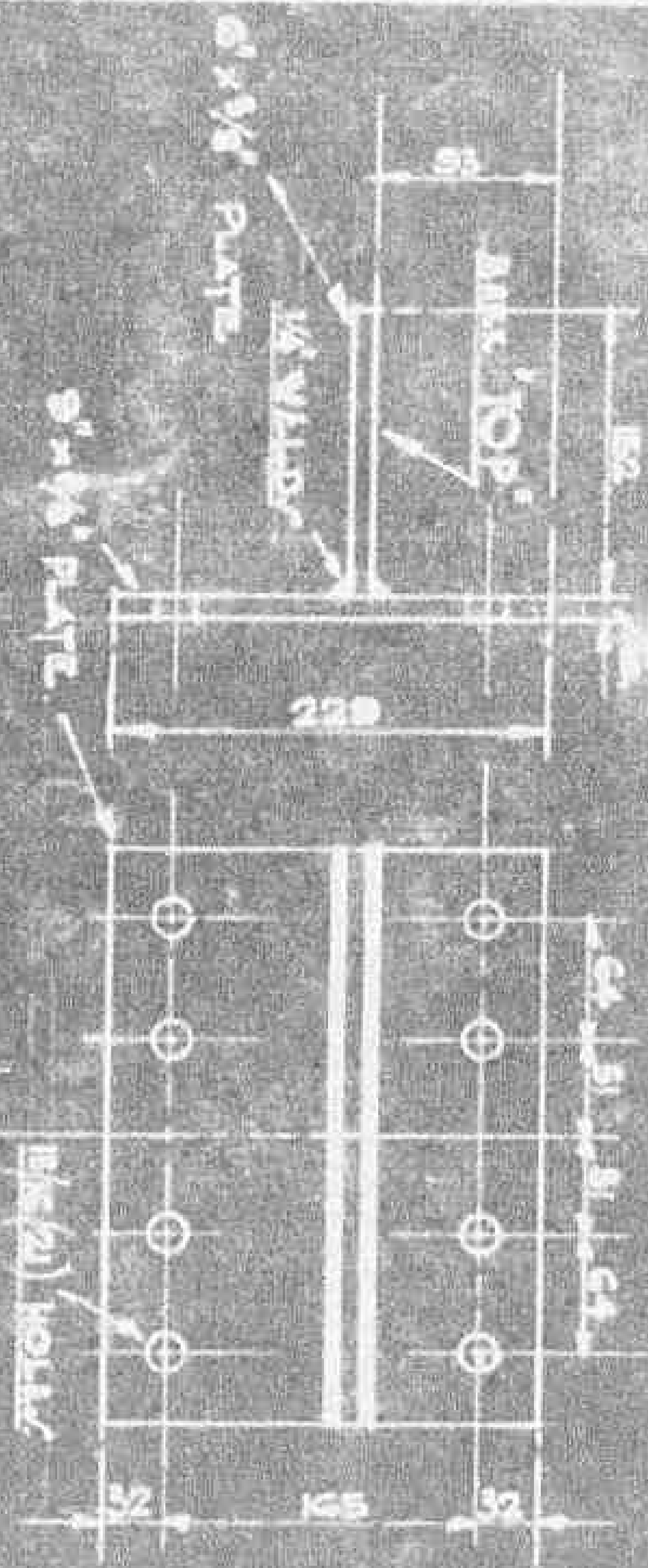
P. P. Stanton
(P. P. Stanton)
S/Captain
for Brigadier,
Director, Military Railway Service.

*I have taken
the will
return after
forwarding
on 25/3/45
Returned
on 25/3*

72521

0658

DIAPHRAGMA No. 1302



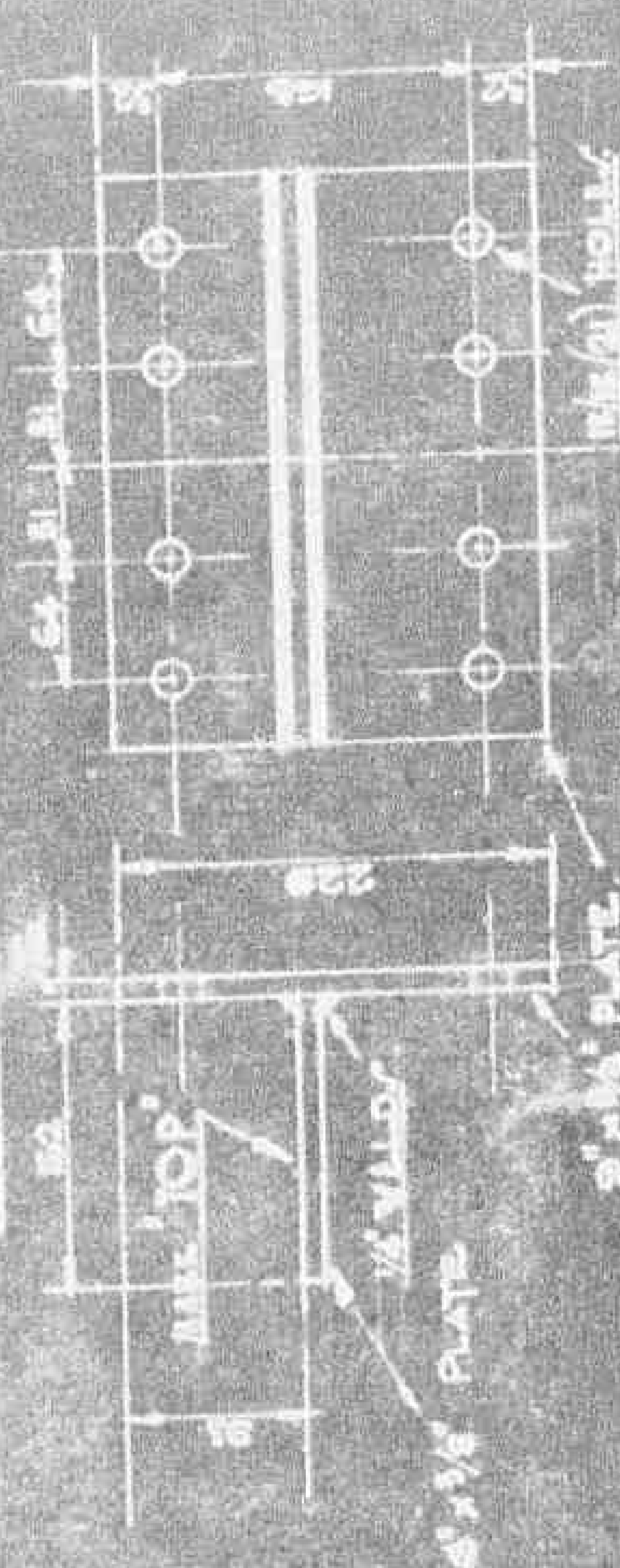
BEARING CURAT MARK 1302

MILITARY RAILWAY SERVICE ENGINEERING DEPARTMENT C. H. F.	
STD. RAILWAY BRIDGES SECTIONAL JOINT	
S.P.A.B.S.	
DATE: 6/2/45 DRAWN BY: [Signature] CHECKED BY: [Signature]	TMSD/155

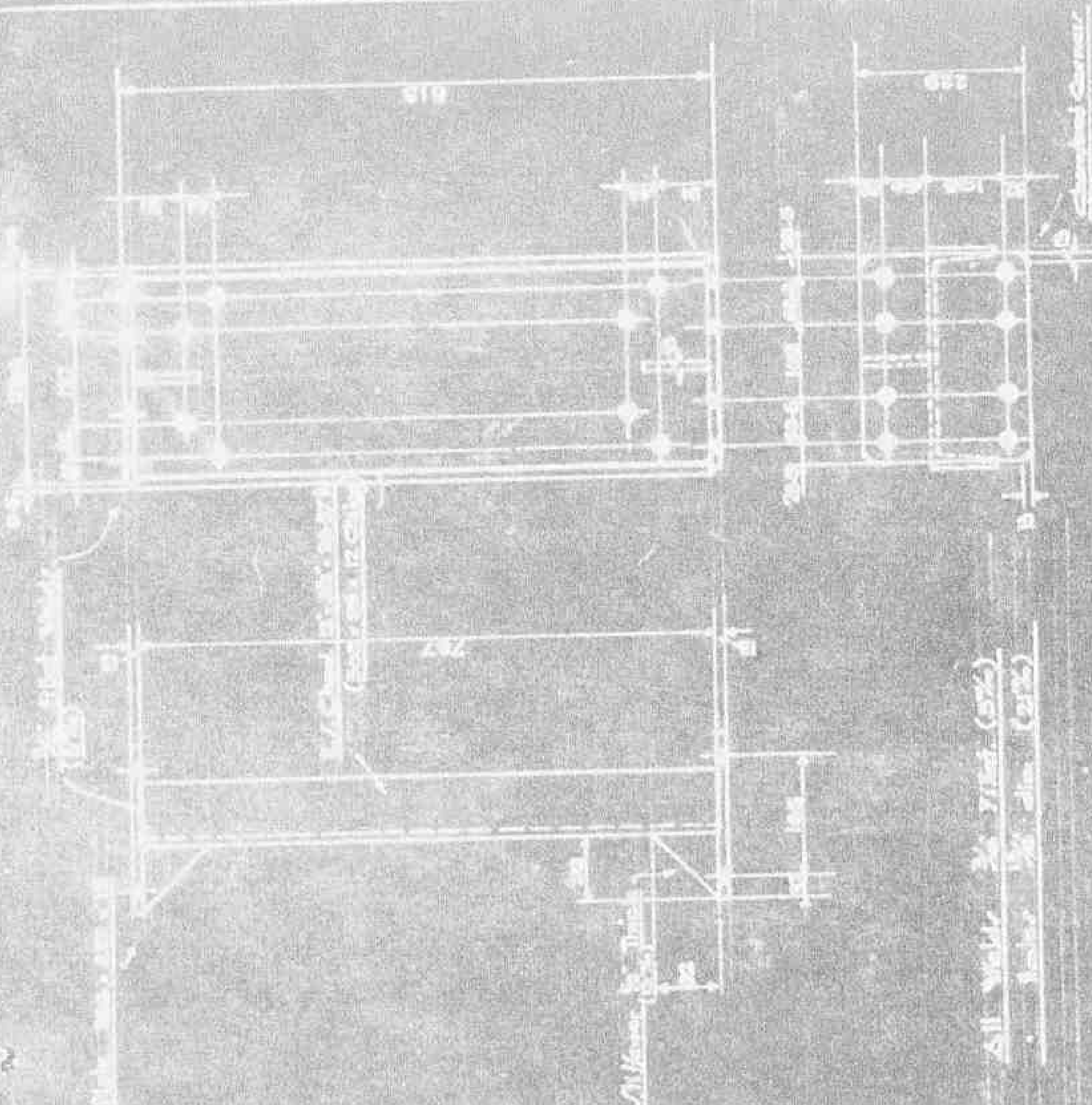
0659



DIAPHRAGM JK 11301



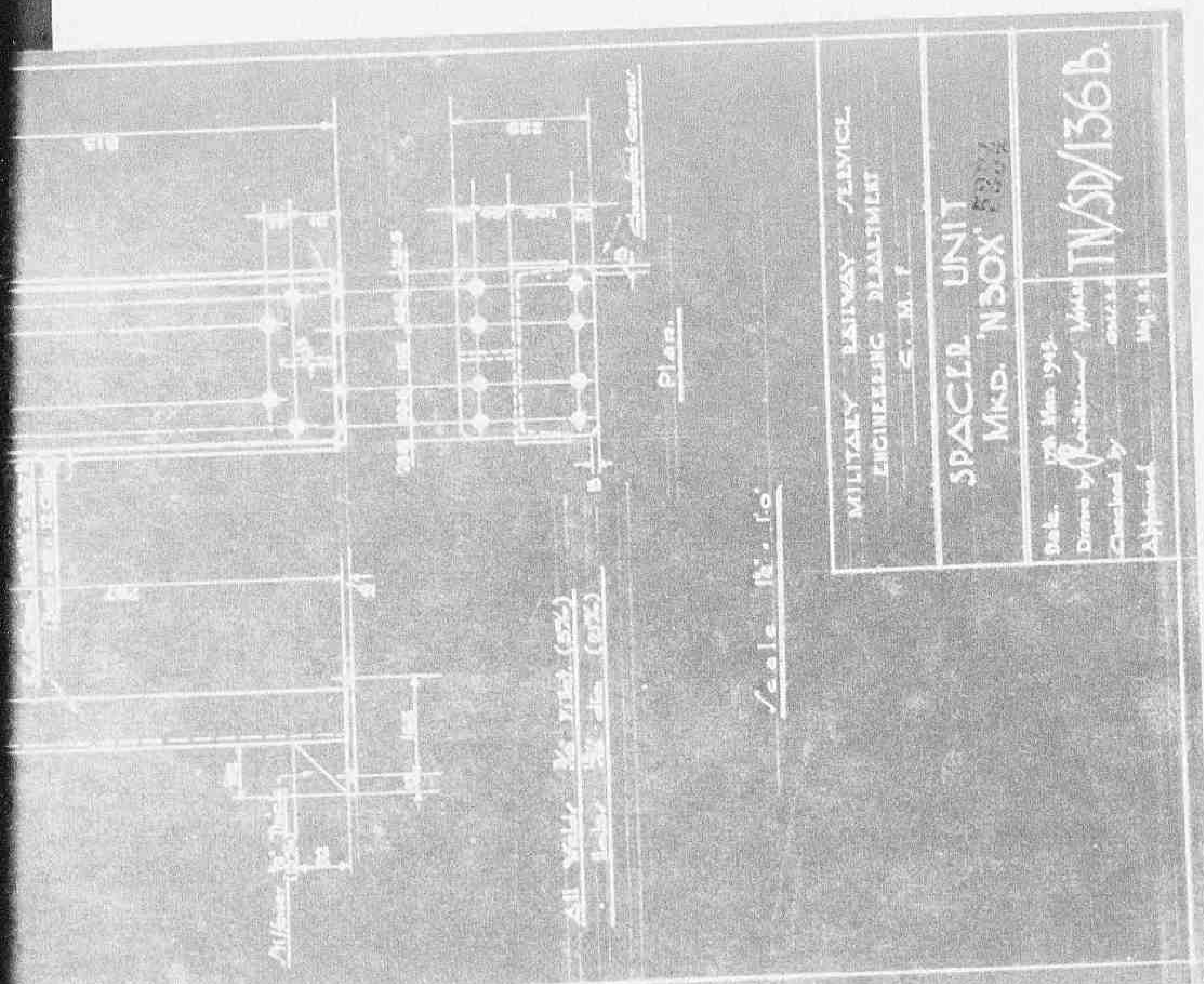
0661



Plan.

Scale 1/8" = 1'-0"

0662



MILITARY RAILWAY SERVICE ENGINEERING DEPARTMENT S. M. F.	
SPACEL UNIT Mkd. N30X	
Date: 10 Nov 1943	Drawn by: [Signature]
Checked by: [Signature]	Approved: [Signature]
TN/SD/136B	



MILITARY AIRWAY SERVICE ACQUINING DEPARTMENT

100

SPACED UNIT
MAGNETIC

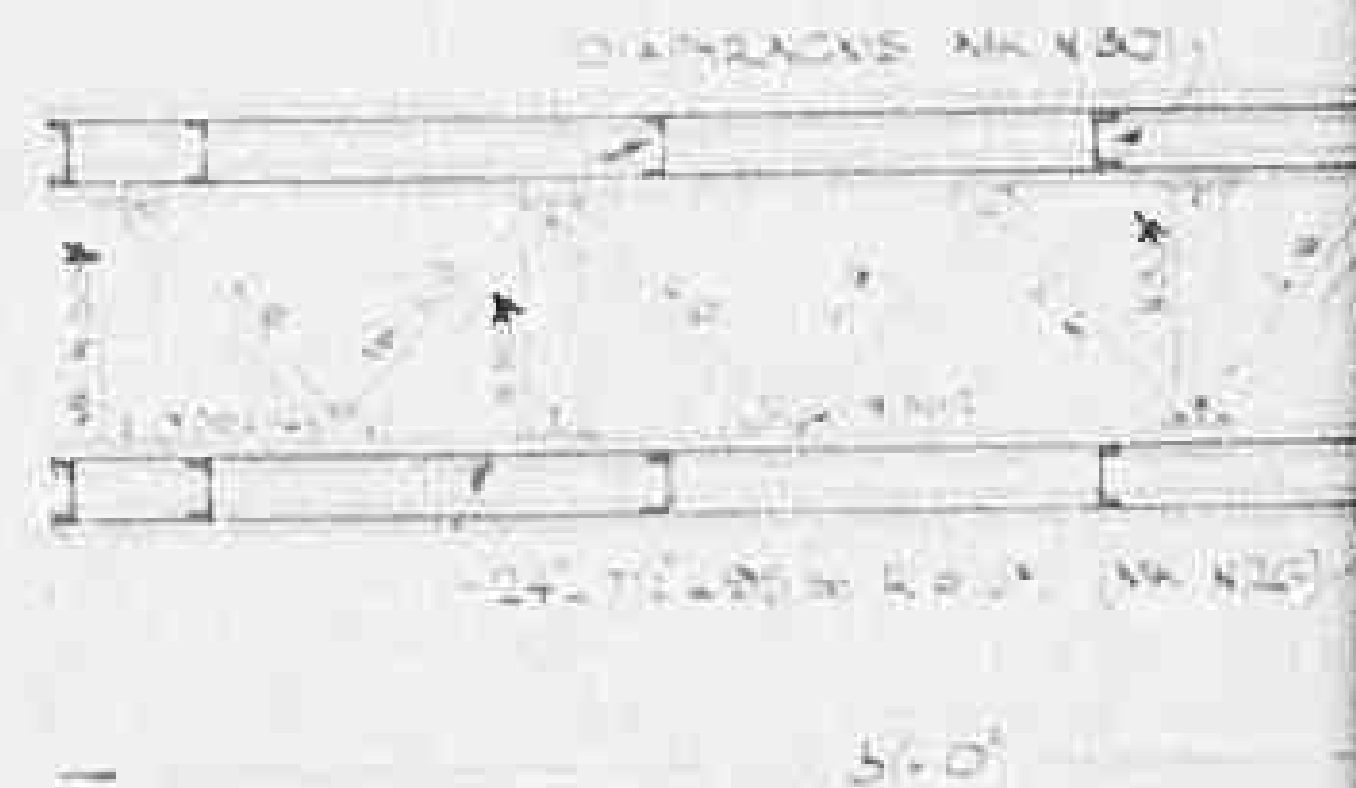
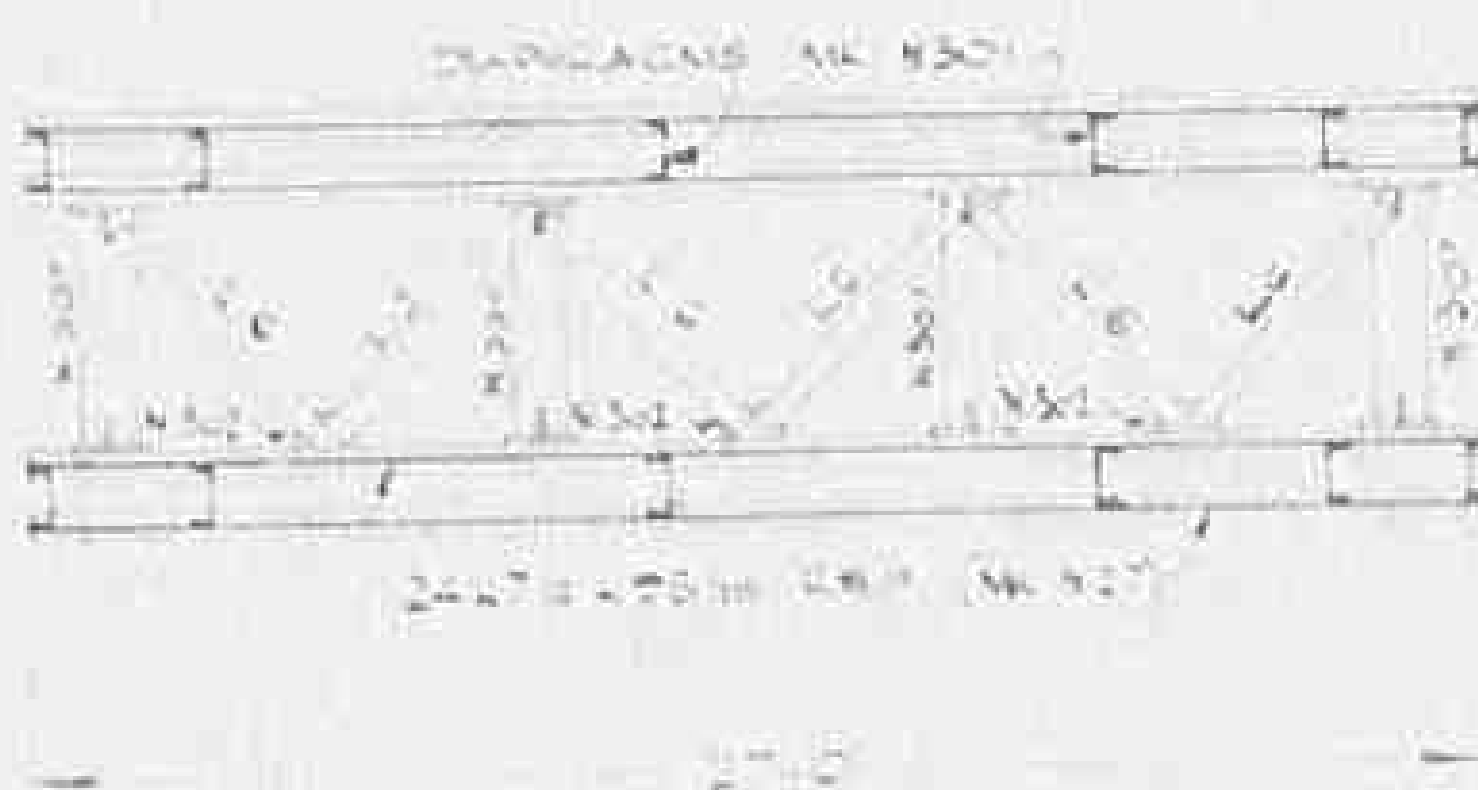
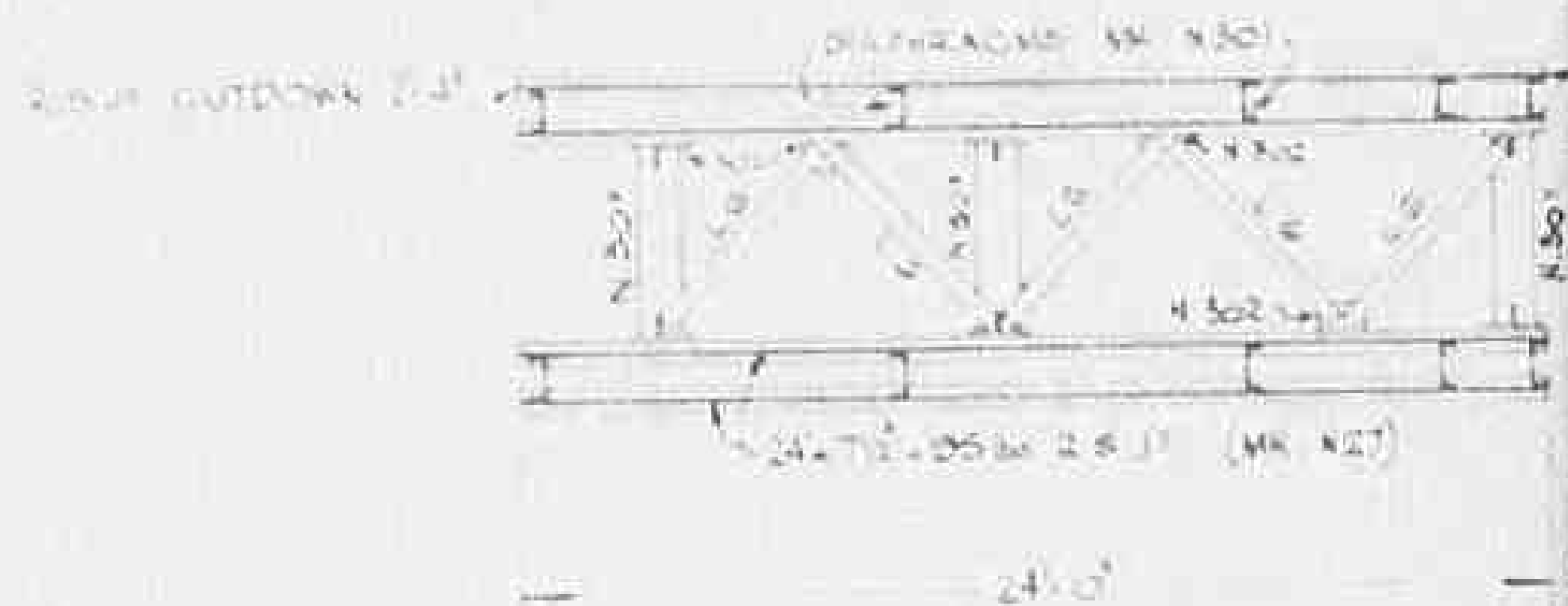
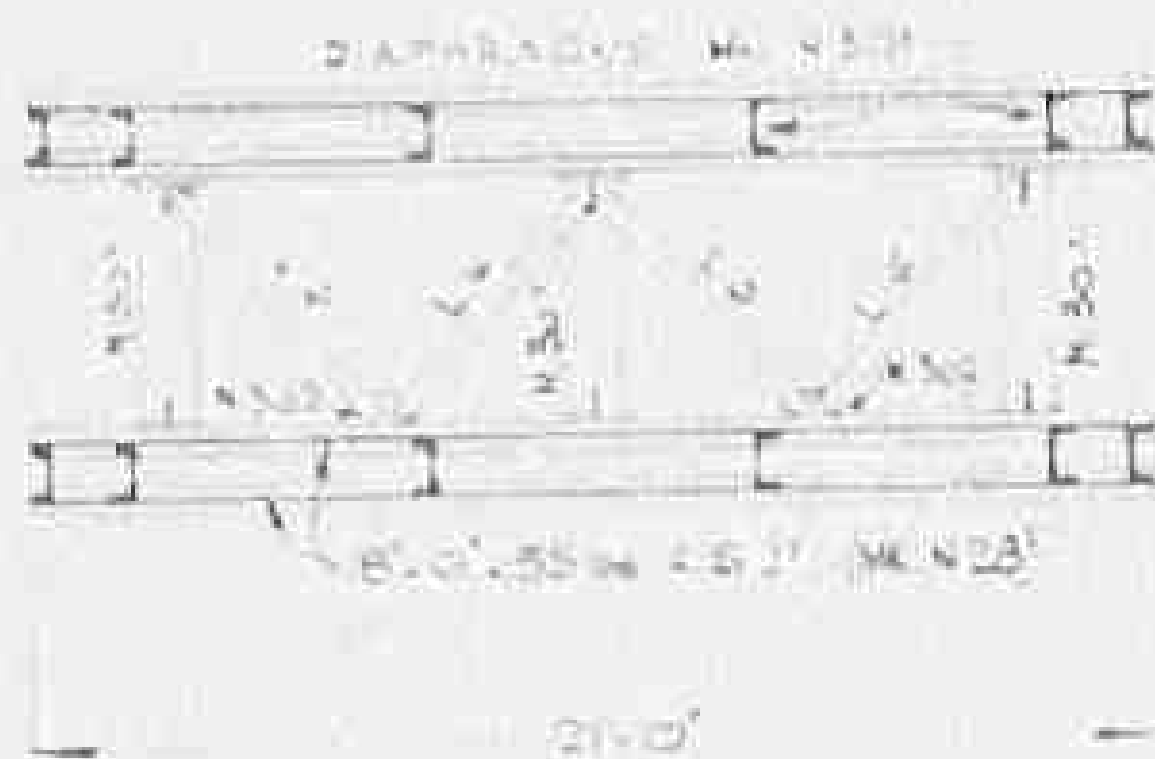
1997年12月

Journal of

金甲子

1. *Confession*

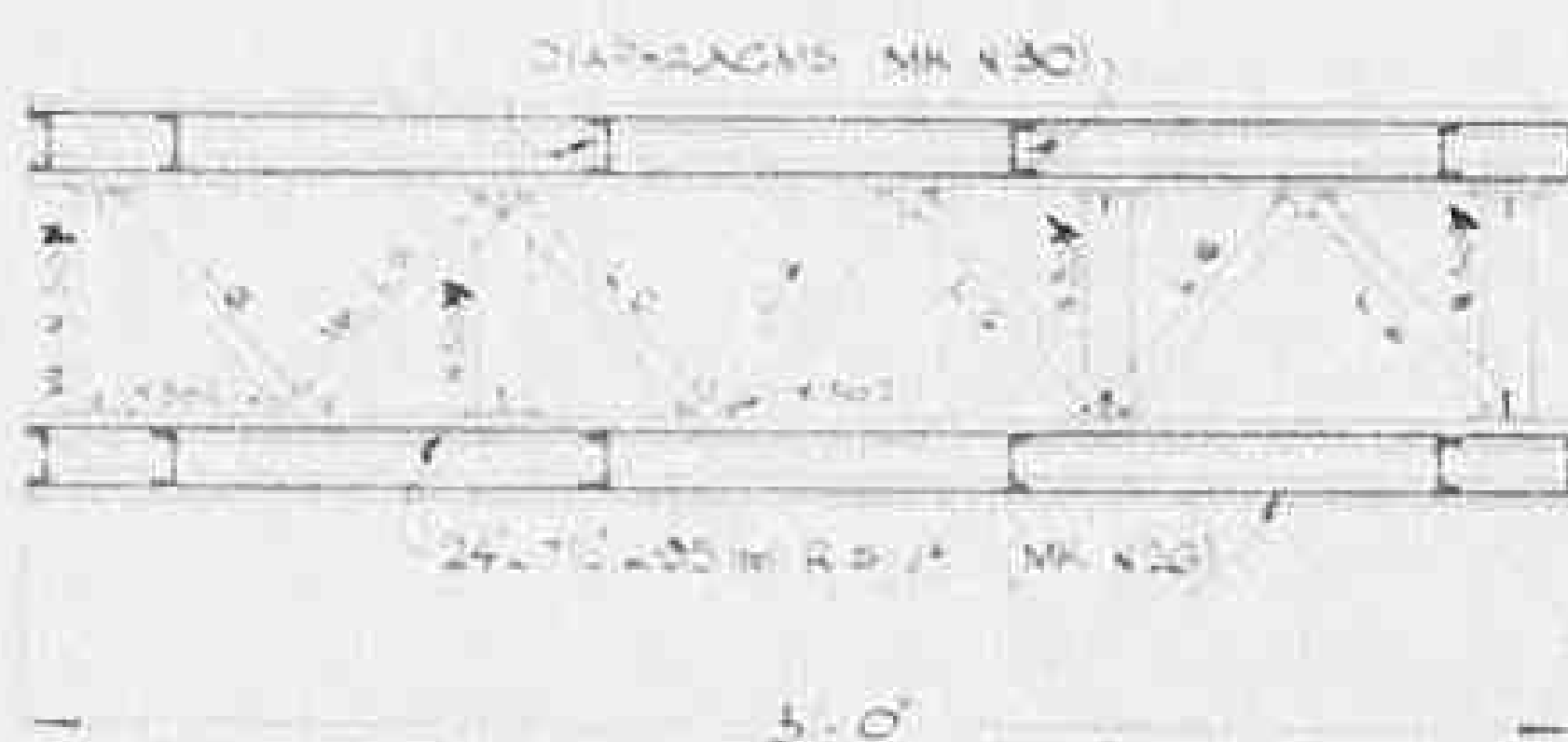
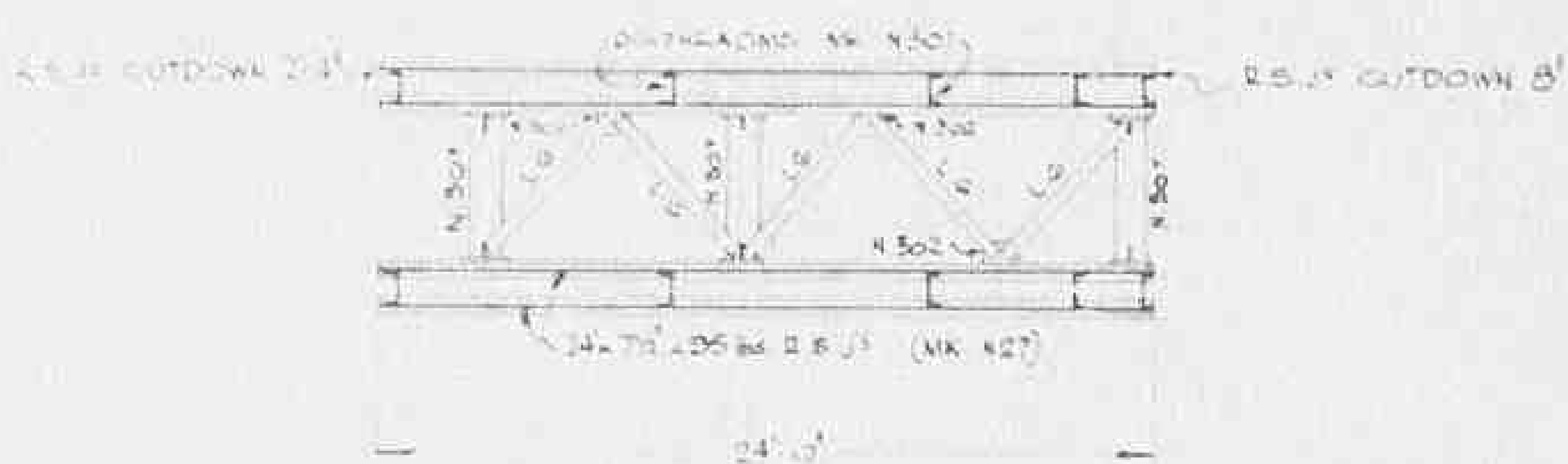
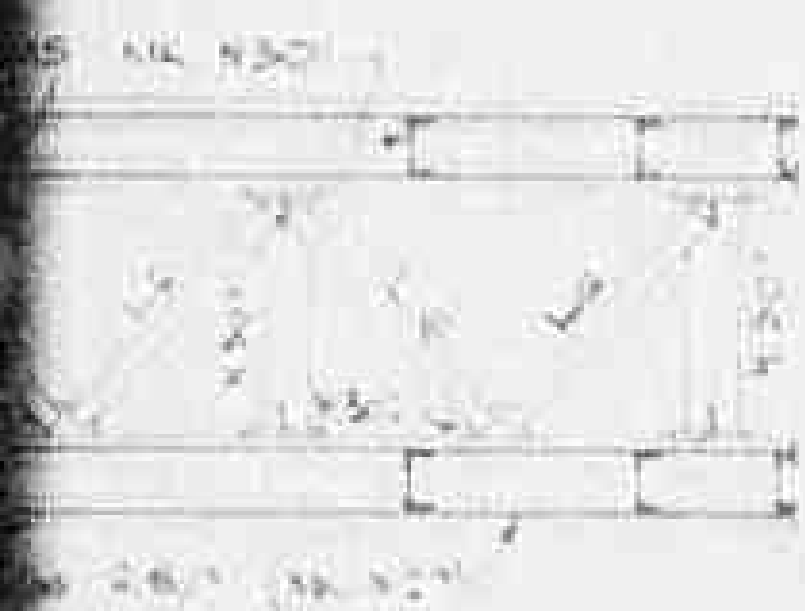
IN/SD/56C



MILITARY
ENGINEERING

STA
K

DATE
DRAWN BY
CHECKED BY
APPROVED BY



MILITARY RAILWAY SERVICE
ENGINEERING DEPARTMENT
C. M. F.

STANDARD R.S.J. SPANS
KEY PLANS

DATE 13th MARCH 1945
DRAWN BY G. H. H.
CHECKED BY J. H. H.
APPROVED BY J. H. H.

TN/SD/161

0667

Mark	DESCRIPTION	Overall length				
		21'-0"	24'-0"	27'-0"	31'-0"	35'-0"
N26	18' x 6' x 55 lbs R.S.J. 21'-0" Lg	4	-	-	-	-
N27	24' x 7 1/2' x 55 lbs R.S.J. 27'-0" Lg	-	4	4	-	-
N28	do do 31'-0" Lg	-	-	-	4	-
N29	do do 35'-0" Lg	-	-	-	-	6
N30a	Spacer Unit 4'-0" Lg	-	-	-	-	3
N30y	do 2'-0" Lg	3	3	4	4	-
L6	Bracing Angle	4	3	6	7	-
N301	Dispersym.	12	10	12	12	24
N302	Bracing Cleat	2	3	3	4	-
Bolts	3/4" Dia ⁵ x 2" Lg & nut	158	160	180	189	190
	3/4" Dia ⁵ x 2 1/2" Lg & nut	-	-	-	-	59
	3/4" Dia ⁵ Round Washer	168	180	180	189	203
	7/8" Dia ⁵ Hook bolt & Tray Washer	24	26	31	35	40

R.S.J. SPANANCONSHEET 2 OF
DIAGRAMS 5MILIT
ENCSTAN
STCDate: 17
Drawn:
Checked:
Approved:

0668

Overall lengths

DESCRIPTION	21'-0"	23'-0"	27'-0"	31'-0"	35'-0"
R.S.J. 21'-0" Lg	4	-	-	-	-
do R.S.J. 27'-0" Lg	-	4	4	-	-
do do 31'-0" Lg	-	-	-	4	-
do do 35'-0" Lg	-	-	-	-	6
4'-0" Lg	-	-	-	-	5
2'-0" Lg	3	3	4	4	-
	4	5	6	7	-
	12	10	12	12	24
	2	3	3	4	-
2" Lg d nut	155	150	150	150	150
2 1/2" Lg d nut	-	-	-	-	35
Round Washer	158	150	150	150	208
or half-inch Washer	24	26	31	35	40

R.S.J. SPANS LINE BG

ANCONA - ORTONA

SHEET 2 OF 2 FOR KEY

DIAGRAMS SEE DRAWING TN/SD/161

MILITARY RAILWAY SERVICE
ENGINEERING DEPT.
C. M. F.

STANDARD R.S.J. SPANS
STORES SCHEDULE

Date: 17th March 20
Drawn: J. G. G. G.
Checked: J. G. G. G.
Approved: J. G. G. G.

TN/SD/161A

0 6 6 9

155



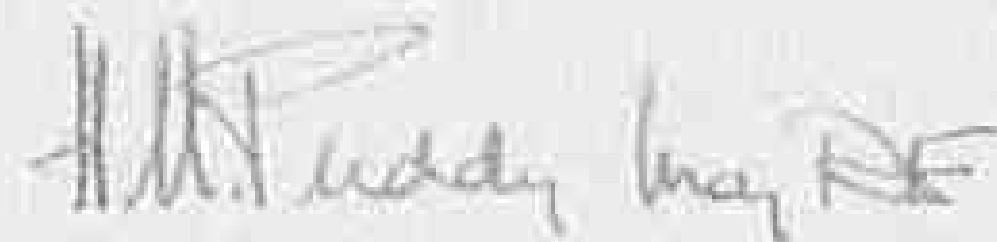
Subject: Line 86 - Orleans Ancon.Military Railway Service.
C.M.P.

To: R.C.M. 1312.

Tele. Firebox 12
Outside Line 843071
Ref. Tn.A.4/145.
22nd March 1945.Copy to: Major Hale c/o I.R.C.M.A.

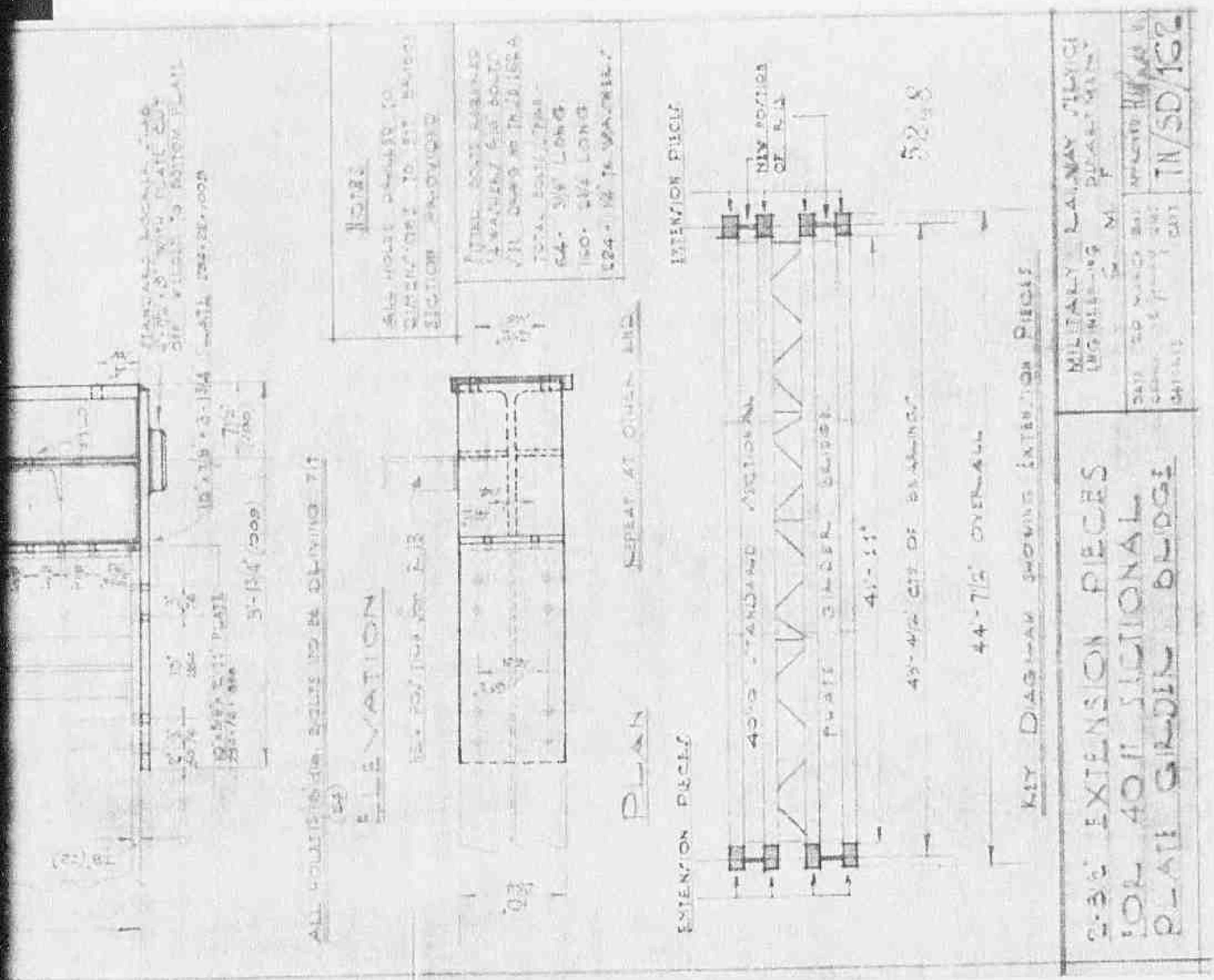
Enclosed herewith 2 copies of Drawing No. TR/SD/162
showing extension piece to 40' Sectional with key plan.

You will note that the overall length is 44' 7 $\frac{1}{2}$ " as
against 44' 8 $\frac{1}{2}$ " as stated in my signal 304 Tn.A.4 of 16th
March 1945.



(H. M. Paddy)
Major R.E.
For Brigadier,
Director, Military Railway Service.

0673



MESSAGE FORM

Register No.

ARMY FORM 1216 (Small)

Cdr.

Sgt. No.

1

2

Year

Month

ABOVE THIS LINE FOR SIGNALS USE ONLY

FROM
(A)

MAJOR MOLE

Originator

DATE-TIME OF MESSAGE

18 MAR

To: Almon

TH INC

~~EX-100-10000~~

TO

(W) For Information (INCO)

OFFICE DATE STAMP



Message Instructions

GB

Originator's No.

AC/86/18 (.) RESTRICTED (.) FOR MC MURDO (.) PLEASE CONFIRM
STEEL TO BE USED INSTEAD 40 FT STANDARD GIRDERS FOR CENTRE
SPANS RIVERS MURDO AND POTENZA (.) 4 FT WIDE CENTRE PIER
ARE NOW BEING BUILT AND NO PROVISIONS MADE FOR TRESTLE
FOUNDATIONS (.)

THIS MESSAGE MAY BE SENT AS WRITTEN
UNLESS OTHERWISE STATEDIF LIABLE TO BE INTERCEPTED OR TO
FALL INTO ENEMY HANDS, THIS MES-
SAGE MUST BE SENT IN CIPHERORIGINATOR'S INSTRUCTIONS
DEGREE OF PRIORITY

Time

System

THI or TOR

Time cleared

EQ 177A

Major R.E.

SIGNED

5247

IMPORTANT

Inter Office Memo.

Subject: Line 36 Ortona Advance
Rail Project.

Military Railway Service.
C.M.F.

Tale. Firebox 31
Outside Line 865260

To: Tn. 2.

Ref. Tn.A.4/145.
8th March 1945.

Copy to: Major Paddy.
Major Hole c/o I.R.C.S.A.

1. Reference by Tn.A.4/145 dated 3rd March 1945.

2. Please alter item 8 and 9 under remarks to read:-

"R.S.J.s to be issued 40 or 45 ft long. Bracings
of 6" x 3" channel to be cut to length and welded
at 7 ft centres top and bottom in situ."

3. 1800 ft. run of 6" x 3" R.S. Channel should be issued
with these two items.



(A. S. Richards)
Lt. Col. R.N.
A.D.Trk.

Inter Office Memo.

Subject: Line 86 - 110 ft. W.C.R.E.

Military Railway Service.
C.M.F.

To: Tn. 2.

Tele. Firebox 12
Outside Line 843071

Copy to: Major Mole c/o R.C.R.4.
Major Street. A.C. (Bldg)

Ref. Tn.A.4/145.
3th March 1945.

Owing to deficiencies in S.37 (flange cover plates) - 21 No.
Mark S. 3 (flange cover plates - light section) will be used at
the two end joints.



H. M. Paddy MGR

(H.M. Paddy)
Major R.E.
D.A.D. Tn. (Bridging)

M. A. 270

272-3-4 MBY V MABA

QOX QIM

FROMTN INC - 7TH

TO 330 TSD

RPTD TO :- NO. 1212 RC AND M GROUP RE - MAJOR MOLE C/O IND RLY CONSTR ENAG

GR354

851TN.2 . RESTRICTED .

FIRST . FOLLOWING BRIDGING AND TRESTLING RELEASED RCE. 1212 FOR LINE

85 (CENTRAL) .

(A) 12FT 4 GIRDER RSJ SPAN EACH 1 . (B) 14FT 4 ~~2~~ GIRDER RSJ SPAN EACH 1 . (C) 21FT 6 GIRDER STANDARD N.26 RSJ SPAN EACH 1 . (D) 24FT 4 GIRDER STANDARD N.27 RSJ SPAN EACH 2 . (E) 27FT 4 GIRDER STANDARD N.27 RSJ SPAN EACH 2 . (F) 31FT 4 GIRDER REPEAT 4 GIRDER N.27 RSJ SPANS EACH 6 . (G) 35FT 6 GIRDER STANDARD N.25 RSJ SPANS EACH 14 . (H) 37FT 6 GIRDER RSJ SPANS EACH 10 . (J) 38FT 6 GIRDER RSJ SPANS EACH 8 . (K) 40FT SECTIONAL SPANS EACH 16 . (L) 40FT SECTIONAL SPANS COMPLETE WITH 5FT EXTENSIONS EACH 3 . (M) LIGHT STEEL TRESTLE PIERS AS FOLLOWS . 2 BAYS BY 2 BAYS BY 8FT EACH 1 . 2 BAYS BY 2 BAYS BY 10FT EACH 1 . 2 BAYS BY 2 BAYS BY 12FT EACH 2 . 2 BAYS BY 1 BAY BY 6FT EACH 4 .

SECOND . ARRANGEMENTS FOR SUPPLY FOLLOW . (A) AND (B) JOISTS TO BE CUT IN DEPOT FROM 12 INCH BY 5 INCH RSJ'S . BRACINGS TO BE IMPROVISED AT SITE YOU TO SUPPLY MATERIALS REQUIRED . (C) BEING DESPATCHED TO YOU FROM 329 TSD LESS SPACER UNITS WHICH WILL BE SUPPLIED EX 330 TSD STOCK . (D) AND (E) ISSUE FROM STOCK . JOISTS FOR 24FT SPAN TO BE CUT ON SITE . (F) ISSUE FROM STOCK TO SCHEDULE SHOWN ON SHEET 62 NOMRE PART 3 SUPPL-

MENT NO. 2 FOR 20FT SPANS PLUS ONE 1-6 FOR EACH SPAN . (C) ISSUE FROM



191

271226A

SENT MITCHELL B.

1890

MEMORANDUM FOR THE OFFICE OF THE

Subject: Line 66. Orleans - Arizona
Rail Project.

Tn. A. 4/145

To: Tn. 2.

7th March 1945.

Copy to: Major Paddy
Major Hale, A.C.

of 12CE4

1. Reference by Tn. A. 4/145 dated 3rd March 1945.
2. Please alter item 3 under "Discussions of Jettis" to read
18" x 6".



(A.W. McMurdo)
Lt. Col. R.E.
A.D.Tn. 4.

Inter office memo.

Subject: Line 86 - Ortona - Ancona Rail project.

To : Tn.2.

Copy to: Major Puddy, Tn.4.
Major Mole, (A.O.)

Tn. A.4/145.

3 Mar '45.

1. Attached at Appendix 'A' is a statement of the bridging and trestling required for the above project.

2. This bridging can be accepted in 330 Tn.3.2., where is it understood the greater part of it lies, or at Ortona Station, if it has to be forwarded from Depots further south, and should be released, or consigned to R.O.E.1212.

3. (a) Where indicated, all standard spans should be provided complete with standard bracing and bolts. Items 3, 4, 5, 6, 7, 10 and 11 at Appendix 'A' refer.

(b) All non-standard spans will be provided with bracing and bolts (less 1.6s) to be manufactured under arrangements of Major Puddy. It may be possible for Major Puddy to manufacture bracing (less 1.6s) to cover the items in (a) above. Items 8 and 9 and Note 1. at Appendix 'A' refer.

(c) Bracing for spans under items 1 and 2 at Appendix 'A' will be improvised at site.

(d) The 5 foot extension pieces required under item 11 at Appendix 'A' are being manufactured under arrangements of Major Puddy, but the standard 40 foot spans should be released or Tn.3.2.

4. Would you please, as soon as possible, arrange to release ex. 330 Tn.3.2. or consign to Ortona, the bridging and trestling referred to above, informing myself, R.O.E.1212 and Major Mole of A.O.

(A.S. Mowbray)
Lieut. Col.
A.S. Tn (ply const).

1. Attached at Appendix 'A' is a statement of the bridging and trestling required for the above project.

2. This bridging can be accepted in 350 Tn. B.D., where is it understood the greater part of it lies, or at Orleans Station, if it has to be forwarded from Depots further South, and should be released, or consigned to R.O.S. 1212.

3. (a) where indicated, all standard spans should be provided complete with standard brackings and bolts. Items 3, 4, 5, 6, 7, 10 and 11 at Appendix 'A' refer.

(b) All non-standard spans will be provided with brackings and bolts (less L 6s) to be manufactured under arrangements of Major Paddy. It may be possible for Major Paddy to manufacture brackings (less L 6s) to cover the items in (a) above. Items 8 and 9 and Note 1. at Appendix 'A' refer.

(c) Brackings for spans under items 1 and 2 at Appendix 'A' will be improvised at site.

(d) The 9 foot extension pieces required under item 11 at Appendix 'A' are being manufactured under arrangements of Major Paddy, but the standard 44 foot spans should be released ex Tn. B.D.

4. Would you please, as soon as possible, arrange to release ex 350 Tn. B.D. or consign to Orleans, the bridging and trestling referred to above, informing myself, R.O.S. 1212 and Major Mole of A.C.

ALG

(A.W. Richards)
Lieut. Col.

A.D. Th (Rly Genl).

5242

LINE 86 - ORIONA - ANCONA - STEELWORK.

<u>Item</u>	<u>Dimensions of joists</u>	<u>Length of joists</u>	<u>No. of joists per span</u>	<u>No. of spans</u>	<u>Total no. of joists</u>	<u>Remarks.</u>
1.	12" x 5"	12'	4	1	4	To be cut from 2 no. joists 25' long now at 330 improvised at site.
2.	12" x 5"	14'	4	1	4	To be cut from joists now at 330 m.s.d. and dra
3.	18" x 6" 24" x 8"	21'	4	1	4	Standard span to be issued <u>complete</u> with bracing
4.	24" x 7 1/2"	24'	4	2	8	Standard 27' span to be issued <u>complete</u> and out
5.	24" x 7 1/2"	27'	4	2	8	} standard spans to be issued <u>complete</u> with bracing
6.	24" x 7 1/2"	31'	4	6	24	
7.	24" x 7 1/2"	35'	6	14	84	
8.	24" x 7 1/2"	37'	6	10	60	} R.S.Js only to be issued and drilled on site. Br
9.	24" x 7 1/2"	38'	6	8	48	
10.	Standard 40' sectional bridge		-	16	-	To be issued complete.
11.	Standard 40' sectional bridge with 5' extensions		-	3	-	40' spans to be issued complete and 5 foot exte arrangements of major puddy.
12.	<u>L.S.U.T.</u> 2 x 2 x 8' high 2 x 2 x 10' " 2 x 2 x 12' " 2 x 1 x 8' "			<u>No.</u> 1 1 2 4		<u>NOTE:</u> 1. After completion of bracing major puddy will continue to to 7 incl. and may complete H.30s. Major puddy to keep T 2. L.6s to be issued to cover ne

Appendix 'A'

LINE 86 - ORTUNA - ANCONA - STEELWORK.

of joists span	No. of spans	total no. of joists	Remarks.	
4	1	4	To be cut from 2 no. joists 25' long now at 330 Tn.S.D. and bracing to be improvised at site.	
4	1	4	To be cut from joists now at 330 Tn.S.D. and bracing to be improvised at site.	
4	1	4	Standard span to be issued <u>complete</u> with bracing.	
4	2	8	Standard 27' span to be issued <u>complete</u> and cut at site.	
4	2 6 14	8 24 84	} standard spans to be issued <u>complete</u> with bracings.	
6	10 8	60 48		} S.S.Js only to be issued and drilled on site. Bracings to be manufactured under arrangements of Major Puddy.
6				
-	16	-	To be issued complete.	
-	3	-	40' spans to be issued complete and 5 foot extension to be provided under arrangements of Major Puddy.	
	No. 1 1 2 4	NOTE: 1. After completion of bracings for items 8 and 9 above, Major Puddy will continue to manufacture bracings for items 3 to 7 incl. and may complete total requirements, thus saving S.S.Js. Major Puddy to keep Tn.2 informed on this matter. 2. Lbs to be issued to cover needs of items 3 to 9 incl.		

Inter office memo

Subject: Line 06-Ortona-Alconza Rail Project.

To : En.2

Copy to: Major Paddy, En. 4
Major Cole (A.D.)

To: A. 4/145

3/3/55

Attached at Appendix 'A' is a statement of the bridging and trestling required for the above project.

2. This bridging can be accepted in 330 Tn. L. 1, where it is understood the greater part of it lies, or at Ortona Station, if it has to be forwarded from depots further south, and should be released or consigned to E.O. B. 1212

3. (a) Where indicated, all standard spans should be provided complete with standard bracing and bolts. Items 3, 4, 5, 6, 7, 10 and 11 at Appendix 'A' refer.

(b) All non-standard spans will be provided with bracing and bolts (less L. 6a) to be manufactured under arrangements of Major Paddy. It may be possible for major Paddy to manufacture bracing (less L. 6a) to cover the items in (a) above. Items 3 & 9 & Note 1, at Appendix 'A', refer.

(c) Bracing for spans under items 1 and 2 at Appendix 'A' will be improved at sit.

(d) The 5 foot extension pieces required under item 14 at Appendix 'A' are being manufactured under arrangements of Major Paddy, but the standard 40 foot spans should be released ex Tn. B. 12.

4. Would you please, as soon as possible, arrange to release ex 330 Tn. S.D. or consign to Ortona, the bridging and trestling referred to above, informing myself, E.O. B. 1212 and Major Cole of A.D.

(A. D. COLE)

Major Paddy.

A.D. En. (A.D. Const.)

attached at Appendix 'A' is a statement of the bridging and trestling required for the above project.

2. This bridging can be accepted in 130 ft. S.D., where it is understood the greater part of it lies, or at Ortona Station, if it has to be forwarded from depots further South, and should be released or consigned to S.D. 1212.

3. (a) Where indicated, all standard spans should be provided complete with standard bracing and bolts. Items 3, 4, 5, 6, 7, 10 and 11 at Appendix 'A' refer.

(b) All non-standard spans will be provided with bracing and bolts (less 1 lb) to be manufactured under arrangements of Major Paddy (less 1 lb) to cover the items in (a) above. It may be possible for Major Paddy, to manufacture bracing (less 1 lb) to cover the items in (a) above. Items 3 & 4 & 5 & 6 & 7 & 10 & 11 at Appendix 'A' refer.

(c) Bracing for spans under items 1 and 2 at Appendix 'A' will be improvised at site.

(d) The 5 foot extension pieces required under item 11 at Appendix 'A' are being manufactured under arrangements of Major Paddy, but the standard 40 foot spans should be released ex M.S.D.

4. Would you please, as soon as possible, arrange to release ex 130 Tn. S.D. or consign to Ortona, the bridging and trestling referred to above, informing myself, S.D. 1212 and Major Mole of S.D.

(A. J. GORDON)

Adj. Col.

A.D. Th. (Rly Const.)

50-1

LINE 26- ORTONA-ANCONA - STEEL JOCK

Item	Dimensions of Joists	Length of Joists	No. of Joists per span	No. of spans	Total No. of Joists	REMARKS
1.	12" x 5"	12'	4	1	4	To be cut from 2 No. joists 23' to 33' & bracing to be 1
2.	12" x 5"	14'	4	1	4	To be cut from joists now at site. bracing to be improvised at site.
3.	18" x 6"	21'	4	1	4	Standard span to be issued complete.
4.	24" x 7 1/2"	24'	4	2	8	Standard 27' span to be issued complete at site.
5.	24" x 7 1/2"	27'	4	2	8	Standard span to be issued complete.
6.	24" x 7 1/2"	31'	4	6	24	
7.	24" x 7 1/2"	35'	6	14	84	
8.	24" x 7 1/2"	37'	6	10	60	A.S.Js. only to be issued and bracing to be manufactured at site or Major Paddy.
9.	24" x 7 1/2"	38'	6	8	48	
10.	Standard 40' sectional bridge		-	16	-	To be issued complete.
11.	Standard 40' sectional x 1/2" bridge with 5' extension		-	3	-	40' spans to be issued complete extensions to be provided and Major Paddy.
12.	L.S.U.F. 2 x 2 x 8' high 2 x 2 x 10' " 2 x 2 x 12' " 2 x 1 x 8' "			No. 1 1 2 4		Note: 1. After completion of bracing for Major Paddy will continue to manufacture items 3 to 7 incl. and may complete thus saving N.Bos. Major Paddy to on this matter. 2. L.S.U.F. to be issued to cover needs.

LINE 85- ORTONA-ANCONA - STEELWORK

Length of Joists	No. of Joists per span	No. of spans	Total No. of Joists	REMARKS
12'	4	1	4	To be cut from 2 No. Joists 25' long now at 330 tn.S.D. & bracing to be improvised at site.
14'	4	1	4	To be cut from joists now at 330tn.S.D. and bracing to be improvised at site.
21'	4	1	4	Standard span to be issued <u>complete</u> with bracing.
24'	4	2	8	Standard 27' span to be issued <u>complete</u> and cut at site.
27'	4	2	8	Standard span to be issued <u>complete</u> with bracing.
31'	4	6	24	
35'	6	14	84	
37'	8	10	80	N.S. is. only to be issued and drilled on site bracings to be manufactured under arrangements of Major Puddy.
38'	6	8	48	
Sectional bridge	-	10	-	To be issued <u>complete</u> .
Sectional with extension	-	3	-	40' spans to be issued complete and 5 foot extensions to be provided under arrangements of Major Puddy.

89.
 1
 1
 2
 4

Note :1. After completion of bracing for items 83f above,
 Major Puddy will continue to manufacture bracing for
 items 3 to 7 incl. and may complete total requirement
 thus saving N.30s. Major Puddy to keep Tn.2 informed
 on this matter.
 2. 1.64 to be issued to cover ends of Line 3 to 9 feet

Inter office memo

Subject: Line 00-Ortona-Access Rail project.

To : Tn.2

Copy to Major Tuddy, Cn 4
Major Hole (A.3.2)

Tn.2, 4/1/55

3/3/55

1. Attached at Appendix 'A' is a statement of the bridging and trestling required for the above project.

2. This bridging can be accepted in 330 Tn. S.D., where it is understood the greater part of it lies, or at Ortona Station, if it has to be forwarded from depots further South, and should be released or consigned to P.O. 2. 1212

3. (a) Where indicated, all standard spans should be provided complete with standard bracing and bolts. Items 3, 4, 5, 6, 7, 10 and 11 at Appendix 'A' refer.

(b) All non-standard spans will be provided with bracing and bolts (less L. 6a) to be manufactured under arrangements of Major Tuddy. It may be possible for major trestle to manufacture bracing (less L. 6a) to cover the items in (a) above. Items 3 & 9 at Appendix 'A' refer.

(c) Bracing for spans under items 1 and 2 at Appendix 'A' will be improvised at site.

(d) The 5 foot extension pieces required under item 11 at Appendix 'A' are being manufactured under arrangements of Major Tuddy, but the standard 40 foot spans should be released ex Tn. S.D.

4. Would you please, as soon as possible, arrange to release ex 330 Tn. S.D. or consigned to Ortona, the bridging and trestling referred to above, informing myself, P.O. 2. 1212 and Major Hole of A.3.

(Tn. 2, 4/1/55)

Major Tuddy.

A.3.2n. (A.3.2n. Const.)

LINE 56- ORTONA-ARCONA - STEELWORK

65						
Item	Dimensions of joists	Length of joists	No. of joists per span	No. of spans	Total No. of joists	REMARKS
1.	12" x 5"	12'	4	1	4	To be cut from 2 No. joists 33o tn.s.d. & bracing to be
2.	12" x 5"	14'	4	1	4	To be cut from joists now at bracing to be improvised at
3.	18" x 6"	21'	4	1	4	Standard span to be issued c
4.	24" x 7 1/2"	24'	4	2	8	Standard 27' span to be issued cut at site.
66						
5.	24" x 7 1/2"	27'	4	2	8	Standard span to be issued c
6.	24" x 7 1/2"	31'	4	3	12	
7.	24" x 7 1/2"	33'	6	14	84	
8.	24" x 7 1/2"	37'	6	10	60	R.S.s. only to be issued an bracing to be manufactured of Major Puddy.
9.	24" x 7 1/2"	38'	6	8	48	
10.	Standard 40' sectional bridge		-	16	-	To be issued <u>complete</u> .
11.	Standard 40' sectional with bridge with 5' extension		-	3	-	40' spans to be issued compl extensions to be provided un Major Puddy.
67						
12.	L.S.D.L.		5		No.	Note :1. After completion of bracings for Major Puddy will continue to manu items 3 to 7 incl. and may comple this saving R.3os. Major Puddy to on this matter. 2. L.Gs to be issued to cover needed
2 x 2 x 5' High		2				
2 x 2 x 10' "		1				
2 x 2 x 10' "		2				
2 x 1 x 5' "		4				

LINK 85- ORTONA-AZCONA - STEELWORK

No. of S	No. of Joists per span	No. of spans	Total No. of Joists	REMARKS
	4	1	4	To be cut from 2 No. joists 25' long now at 330 tn.S.D. & bracing to be improvised at s .
	4	1	4	To be cut from joists now at 330tn.S.D. and bracing to be improvised at site.
	4	1	4	Standard span to be issued <u>complete</u> with bracing.
	4	2	8	Standard 27' span to be issued <u>complete</u> and cut at site.
	4	2	8	Standard span to be issued <u>complete</u> with bracing:
	4	6	24	
	8	14	84	
	6	10	60	H.S.js. only to be issued and drilled on site Bracings to be manufactured under arrangements of Major Puddy.
	6	8	48	
ectional Bridge	-	16	-	To be issued <u>complete</u> .
ectional with extension	-	3	-	40' spans to be issued complete and 5 foot extensions to be provided under arrangements of Major Puddy.
27 28 29	No. 1 1 2 4			Note :1. After completion of bracings for items 28&f above, Major Puddy will continue to manufacture bracings for items 3 to 7 incl. and may complete total requirement thus saving H.Sos. Major Puddy to keep In.2 informed on this matter. 2. L.6s to be issued to cover needs of items 3 to 5 incl

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