

5

MECHANICAL ELECTRICAL
ENGINEERING

BRITISH RAILWAYS BOARD · HEADQUARTERS

VEHICLE DIAGRAM BOOK NO:320

FOR

B.R. REVENUE FREIGHT VEHICLES

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(PART 1)

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INSTRUCTIONS FOR THE ALLOCATION OF TARE AND CARRYING CAPACITY

All vehicles on each Lot are to be individually weighed on completion and the tare obtained rounded to the nearest 50 kg; this is the tare to be painted on the Traffic Panel.

e.g. Weighbridge readings 12 000 kg to 12 024 kg to be written 12 000 kg.

Weighbridge readings 12 025 kg to 12 050 kg to be written 12 050 kg.

The actual tare of the first vehicle of a Lot shall be communicated to the Design Engineer (Rolling Stock) Derby who will specify the carrying capacity to be written on the traffic panel.

The Design Office will obtain the carrying capacity by subtracting the actual tare from the G.L.W. for the vehicle. This weight will be rounded to a whole or half tonne and irrespective of the individual tares of the remaining vehicles in the Lot, this shall be the carrying capacity to be written on vehicles similarly constructed on that Lot number.

VEHICLE DIAGRAM BOOK NO 320

B.R. Revenue freight vehicles (BA - CS)
(Part 1)

Revision 8

The following diagrams are no longer live. Please remove them from the diagram book.

BA001A	BV001A
BC003D	BX005A
BD002B	BY001A
BD003A	CA002B
BD003B	CA003A
BD003H	CA003E
BE001A	CA005A
BG001A	CA005F
BJ001A	CA005J
BJ001B	CA006A
BP004A	CA015B
BQ001A	CP001A
BQ001B	CP001B
BQ001C	CP001F
BQ001G	CS002A
BU001B	

After incorporating the above, endorse the revision record at the front of the diagram book accordingly. When the revision letter has been actioned, it shall be stored at the front of the publication.

Date : 5.1.90 .

Ref. : TBF 172-125-2(BC)

Tel. : 3507

Issued by:

DM & EE
RTC.
DERBY.

VEHICLE DIAGRAM BOOK No. 320

B.R. Revenue freight vehicles (BA - CS)
(Part 1)

Revision 7

<u>DESIGN CODE</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
CA006G	insert	first issue
index	insert	additional diagram

After incorporating the above, endorse the revision record at the front of the diagram book accordingly. When the revision letter has been actioned, it shall be stored at the front of the publication.

Date : 6.9.89
Ref. : 172-125-2(BC)
Tel. : 3507

Issued by :
DM & EE
RTC
DERBY.

ADDITION TO B.R. REVENUE INDEX

(BA - CS)

<u>DIAGRAM NO.</u>	<u>DESCRIPTION</u>	<u>LOT NUMBER</u>
CA006G	20.3t Brake van	3227 3394

VEHICLE DIAGRAM BOOK NO 320

B.R. Revenue freight vehicles (BA - CS)
(Part 1)

Revision

6

<u>DESIGN CODE</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
BF002A	Remove issue 1 & insert issue 2	Amendment
BF002B	Remove issue 1 & insert issue 2	Amendment
CD001A	Remove issue 1 & insert issue 2	Amendment
CD002A	Insert	First issue
Index	Insert	Additional diagrams

After incorporating the above, endorse the revision record at the front of the diagram book accordingly. When the revision letter has been actioned, it shall be stored at the front of the publication.

Date : 13.6.89.

Ref. : TBF 172-125-2(BC)

Tel. : 3507

Issued by:

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ADDITION TO B.R. REVENUE INDEX

(BA - CS)

<u>DIAGRAM NO</u>	<u>DESCRIPTION</u>	<u>LOT NUMBER</u>
BF002A	74.5t Bogie steel carrier	3925
BF002B	74.5t Bogie steel carrier	3968
CD001A	47t China clay hopper (roller roof)	3646,
CD002A	47t Covered china clay hopper	4062

VEHICLE DIAGRAM BOOK NO. 320

B.R. Revenue freight vehicles (BA - CS)
(Part 1)

Revision 5

<u>DESIGN CODE</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
BM001A	remove issue 1 & insert issue 2	amendment
CD001A	insert	first issue
index	insert	additional diagram

After incorporating the above endorse the revision record at the front of the diagram book accordingly. When the revision letter has been actioned, it shall be stored at the front of the publication.

Date : 23.9.87

Ref. 172-125-2(BC)

Tel. 3567

Issued by :

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ADDITION TO B.R. REVENUE INDEX

(BA - CS)

<u>DIAGRAM NO.</u>	<u>DESCRIPTION</u>	<u>LOT. NUMBER</u>
BM001A	80t Bo-plate wagon	4011
CD001A	47t Hopper wagon (china clay)	3646

VEHICLE DIAGRAM BOOK NO. 320

B.R. Revenue freight vehicles (BA - CS)
(Part 1)

Revision 4

<u>DESIGN CODE</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
BF002A	insert	first issue
BF002B	insert	first issue
BM001B	insert	first issue
BN001A	remove issue 1 & insert issue 2	amendment
CA006F	insert	first issue
index	insert	additional diagram

After incorporating the above endorse the revision record at the front of the diagram book accordingly. When the revision letter has been actioned, it shall be stored at the front of the publication.

Date : 22.1.87

Ref. 172-125-2(BC)

Tel. 3567

Issued by :

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ADDITION TO B.R. REVENUE INDEX

(BA - CS)

<u>DIAGRAM NO.</u>	<u>DESCRIPTION</u>	<u>LOT. NUMBER</u>
BF002A	80t Bogie steel carrier	3925
BF002B	80t Bogie steel carrier	3968
BM001B	Bo-Plate wagon	4011
CA006F	Brake van	3227,3394

PREFACE

A complete list of Vehicle Diagram Books is shown below, together with new or revised book reference numbers & the colours of the respective book covers. The existing Diagram books covering Locomotives and Rail Crane vehicles which were previously shown with MT/reference numbers, have now received new covers in accordance with this revised numbering system.

REVISED VEHICLE DIAGRAM BOOK NUMBERS

Vehicle Type	Diagram Book No	Colour of Cover	Vehicle Type	Diagram Book No	Colour of Cover
<u>Locomotives:- Diagram Book Series 100</u>			<u>Freight Vehicles:- Diagram Book Series 300</u>		
Diesel Electric Main Line Locos (Previously No MT/25)	100	Red	Privately Owned Freight Vehicles	300	White
Electric Main Line Locos (Previously No MT/26)	110	Green	Privately Owned International Ferry Vehicle	310	White
Diesel Shunting Locos (Previously No MT/27)	120	Yellow	BR Revenue Freight Vehicle	320	Buff
<u>Coaching & Multiple Unit Stock:- Diagram Book Series 200</u>			BR International Ferry Vehicles	330	Buff
Loco Hauled Coaches	200	Orange	Foreign Administration Freight Vehicles	340	White
Electric Multiple Units	210	Blue	BR Service Department Vehicles	350	Buff
Diesel Multiple Units (Railcar)	220	Pink			
Diesel Electric Multiple Units (HST)	230	Pink	<u>ON Track Plant:- Diagram Book Series 400</u>		
			Rail Cranes & Tracklaying Vehicles	400	Red
				(Previously No MT/212)	

JULY 1982

Issued by:-

Director of Mechanical & Electrical Engineering
Railway Technical Centre
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BA	102t GLW BOGIE STEEL CARRIER (40') CA	TRAFFIC BRAKEVAN	FB	36t GLW CONFLAT	
BB	102t GLW BOGIE STEEL CARRIER (50') CB	46t GLW COVHOP			
BC	BOGIE BOLSTER 'C' WGN		FE	CONFLAT 'E'	
BD	BOGIE BOLSTER 'D' WGN		FF	FREIGHTLINER - INNER	
BE	BOGIE BOLSTER 'E' WGN		FG	FREIGHTLINER - OUTER	
			FH	LOWLINER	
BG	BOGIE COIL WGN		FJ	67t GLW CONTAINER '60' WAGON	
		CH	35.5t GLW COVHOP		
BJ	BOGIE COIL WGN				
			FM	FREIGHT FLAT WGN	
BM	BOGIE PLATE WAGON	CP	33-36t GLW PRESFLO	FN	BOGIE FLASK WGN
BN	BOGIE COIL WGN			FO	BOGIE FLASK
				FP	CONFLAT 'P'
BP	BOGIE PLATE WGN	CS	36t GLW FLY ASH WGN	FQ	CARTIC
BQ	BOGIE BOLSTER WGN			FR	SPECIAL TYPES
BS	BOGIE BOLSTER WGN				
BT	BOGIE BOLSTER 'T' WGN				
BV	BOGIE COIL 'V' WGN			FV	CARFLAT
BX	BOGIE TRESTLE WGN				
BY	BOGIE COIL 'Y' WGN				

HA 45-47t GLW COAL HOPPER (MGR)
 HB 46-51t GLW COAL HOPPER
 HD 47t GLW COAL HOPPER (MGR) 60 MPH
 HE 46-51t GLW COAL HOPPER (60 MPH)
 HJ 35.5t GLW HOPPER (IRONSTONE)
 HK 45.5t GLW HOPPER (IRONSTONE)
 HT COAL HOPPER (31-35t GLW)
 HU COAL HOPPER (35-36t GLW)

HA 45t GLW OPEN WGN

OB 46t GLW OPEN WGN
 WITH TURNOVER BOLSTERS

MC 23-24t GLW MINFLAT

OC 46t GLW OPEN WGN
 WITH TURNOVER BOLSTERS

RB BARRIER WGN

MD 28-35t GLW MINFLAT

OD 215 GLW OPEN WGN M.O.D.

RF ADAPTOR WGN

MS 35.5t GLW STONE TIPPLER WGN

OJ 33t GLW HIGH OPEN WGN

OO CLAY OPEN WGNMT

MX 23-25t GLW MINFLAT PUSH

OU 33t GLW SHOCHOOD WGN

RR RUNNER WGN

SC 2 AXLE COIL 'C' WGN

SF 2 AXLE COIL 'A' WGN

SG 2 AXLE COIL 'B' WGN

SH 2 AXLE TIN COIL WGN

SJ 31.5t GLW COIL 'J' WGN

SK 46t GLW ROD COIL WGN

SO 21t GLW PIPE WGN

SP PLATE WAGON

SR 35t GLW 2 AXLE COIL 'R' WGN

ST 2 AXLE TUBE WGN

VA VAN (FULL LENGTH DOORS)

VB 46t GLW VAN (FULL LENGTH DOORS)
NON VENTILATED

VC 46t GLW VAN (CENTRE DOORS) NO VENTS

VD 41/46t GLW VAN (CENTRE & END DOORS)
NO VENTS

VE VAN (M.O.D) WITH ROLLER BEARINGS

VF FISH VAN

VG VAN (HIGH DOOR)

VH CURTAIN SIDED VAN

VJ 35.5/40t GLW VAN

Diagram	Description	Lot Numbers
BA001A	102t GLW BOGIE STEEL CARRIER	3792
BA001B	102t GLW BOGIE STEEL CARRIER	3803, 3805.
BA001C	102t GLW BOGIE STEEL CARRIER	3858
BA002A	102t GLW BOGIE STEEL CARRIER	3860
BB001A	102t GLW BOGIE STEEL CARRIER	3845
BB001B	102t GLW BOGIE STEEL CARRIER	3959 Pts 3871, 3872, 3857.
BB001C	102t GLW BOGIE STEEL CARRIER	Pt 3857
BB001D	102t GLW BOGIE STEEL CARRIER	Pts 3871, 3872.
BB001E	102t GLW BOGIE STEEL CARRIER	Pt 3857
BC003C	48.5t GLW BOGIE BOLSTER WGN	Pts 3155, 3162, 3200, 3238, 3341.
BC003D	48.5t GLW BOGIE BOLSTER WGN	Pts 3341, 3391.
BC003E	48.5t GLW BOGIE BOLSTER WGN	Pts 3155, 3162, 3200, 3238, 3341.
BD002B	65t GLW BOGIE BOLSTER WGN	3104, 3113.
BD003A	65t GLW BOGIE BOLSTER WGN	3246
BD003B	65t GLW BOGIE BOLSTER WGN	Pts 3407, 3408.
BD003D	65t GLW BOGIE BOLSTER WGN	Pts 3407, 3408.
BD003G	65t GLW BOGIE BOLSTER WAGON	3407

Diagram	Description	Lot Numbers
BD003H	65t GLW BOGIE BOLSTER WGN	3408
BD006C	80t GLW BOGIE STEEL CARRIER	3925
BD006D	80t GLW BOGIE STEEL CARRIER	3965, 3968.
BE001A	48.5t GLW BOGIE BOLSTER WGN	3343, 3440.
BG001A	71t GLW BOGIE COIL WGN	3414
BJ001A	71t GLW BOGIE COIL WGN	Pt 3414
BJ001B	71t GLW BOGIE COIL WGN	Pt 3414
BM001A	80t GLW BO-PLATE WGN	
BN001A	82.5t GLW COIL WGN	Pt 3359
BP001B	62t GLW BO-PLATE WGN	3235, 3236.
BP002B	62t GLW BO-PLATE WGN	3240
BP004A	80t GLW BO-PLATE WGN	4011
BQ001A	46.5 GLW BOGIE BOLSTER WGN	Pts 3155, 31623, 3200, 3238.
BQ001B	48.5 GLW BOGIE BOLSTER WGN	Pts 3162, 3200, 3238.
BQ001C	46.5t GLW BOGIE BOLSTER WGN	Pts 3341, 3397.
BQ001G	47t GLW BOGIE BOLSTER WGN	3397, 3341
BQ001H	49t GLW BOGIE BOLSTER WGN	3341
BS001A	65t GLW BOGIE BOLSTER WGN	3407, 3408.

Diagram	Description	Lot Numbers
BT001C	48.5t GLW BOGIE BOLSTER WGN	Pt 3341
BT002C	48.5t GLW BOGIE BOLSTER WGN	Pt 3391
BV001A	84t GLW BOGIE COIL STRIP WGN	Pt 3015
BV001B	84t GLW BOGIE COIL STRIP WGN	Pt 3015
BX005A	65t GLW TRESTLE WGN	3961
BY001A	81.0t GLW BOGIE COIL WGN	3359
CA002B	20t GLW TRAFFIC BRAKE VAN	Pt 2026
CA003A	20t GLW TRAFFIC BRAKE VAN	Pts 2136, 2207, 2741.
CA003D	20t GLW TRAFFIC BRAKE VAN	Pts 2136, 2206, 2207, 2741.
CA003E	20t GLW TRAFFIC BRAKE VAN	Pt 2207
CA004B	20t GLW TRAFFIC BRAKE VAN	Pt 2025
CA005A	20t GLW TRAFFIC BRAKE VAN	Pts 2137, 2349, 2350, 2477, 2478,
CA005B	20t GLW TRAFFIC BRAKE VAN	Pts 2868, 3012, 3129.
CA005E	20t GLW TRAFFIC BRAKE VAN	Pts 2137, 2349, 2350, 2477, 2478, 2605, 2606.
CA005F	20t GLW TRAFFIC BRAKE VAN	Pts 2868, 3012, 3129.
CA005J	20t GLW TRAFFIC BRAKE VAN	Pts 2129, 3012.
CA005K	20t GLW TRAFFIC BRAKE VAN	Pt 3129

INDEX SHEET No. 4

Issue 4

Diagram	Description	Lot Numbers
CA006A	20t GLW TRAFFIC BRAKE VAN	Pts 3227, 3394.
CA006C	20t GLW TRAFFIC BRAKE VAN	Pts 3227, 3394.
CA006D	20t GLW TRAFFIC BRAKE VAN	Pts 3227, 3394.
CA006E	20t GLW TRAFFIC BRAKE VAN	Pt 3227
CA015B	20t GLW TRAFFIC BRAKE VAN	Pts 1316, 1332, 1343, 1387, 1424, 1470, 1471, 1517, 1518.
CB001A	46t GLW COVERED HOPPER	3480
CB001B	46t GLW COVERED HOPPER	3922
CH001E	35.5t COVHOP	Pt 3088
CH001F	35.5t COVHOP	Pt 3089
CH001G	35.5t COVHOP	Pts 3089, 3204.
CH001J	35.5t COVHOP	Pt 3289
CH001L	37.0t COVHOP	Pts 3393, 3431.
CH001M	37.0t COVHOP	Pt 3215
CH001N	37.0t COVHOP	Pts 3393, 3431.
CP001A	33.0t PRESFLO	Pts 2769, 2863, 3029.
CP001B	36.0t PRESFLO	3323, 3361, 3406, 3409, 3497, Pts 2769, 2863, 3029, 3156, 3175, 3176, 3177.

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102† GLW BOGIE STEEL CARRIER

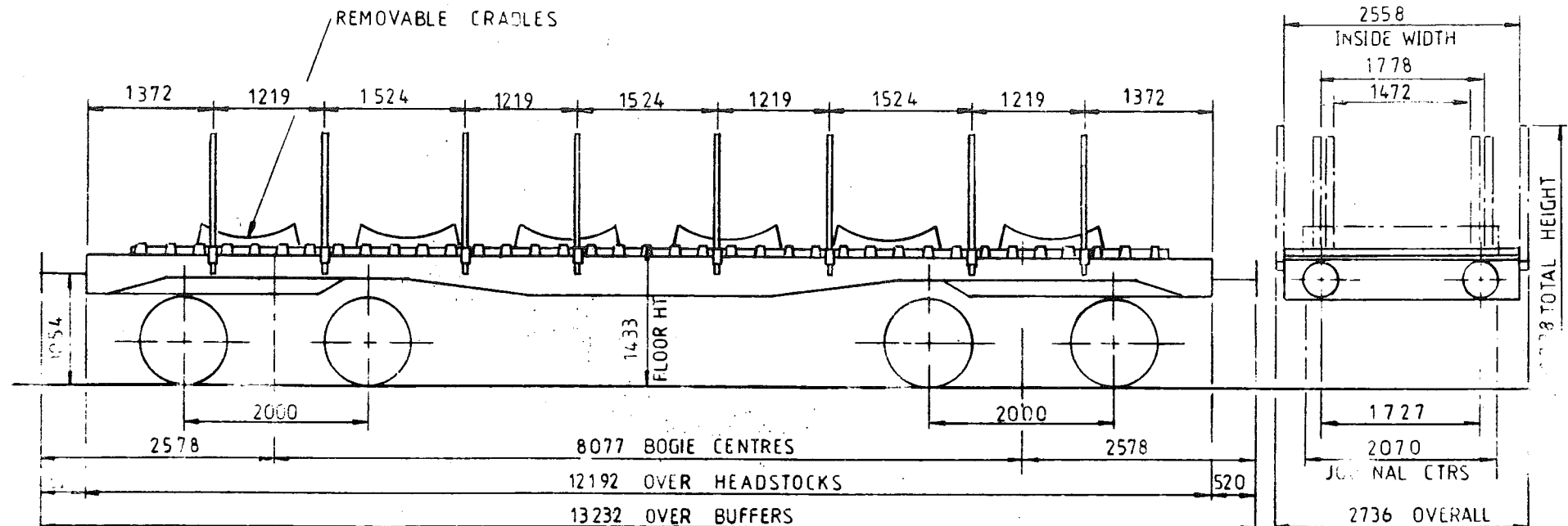
BA001B

LOT NUMBERS
3803
3805

~~76~~ 76
74

EXCESS LENGTH	H	M	L	E
tonnes	102	69	43	24
VB				
AB	50	40	25	14
RA	10	6	3	1
MAX SPEED	60	60	60	60

TOPS CODE									
CARKND				AARKND			OPERATING PANEL No		
B	A	A	B	A	A	F	8	7	3
5									



TARE -	24250	kg
CARRYING CAPACITY -	77500	kg
CAPACITY -		
MAX SPEED -	60 mile/h	
WHEELS -	± 952	
JOURNALS -	± 150 ROLLER BEARINGS	

BUFFERS - HYDRAULIC 457 DIA HEADS
COUPLINGS - B.P. SCREW
MIN CURVE - 31m
GEN ARRGT DRG No LOT 3803 - F.S. 5523, 6557. LOT 3805 - F.S. 5523, 7421
BRAKE - HAND SCREW, AIR DISC
SUSPENSION - PRIMARY COIL, FBT 6 BOGIE.

ISSUE 3

EX BR DIAGRAM 495 (ALLOCATED)

102† GLW BOGIE STEEL CARRIER

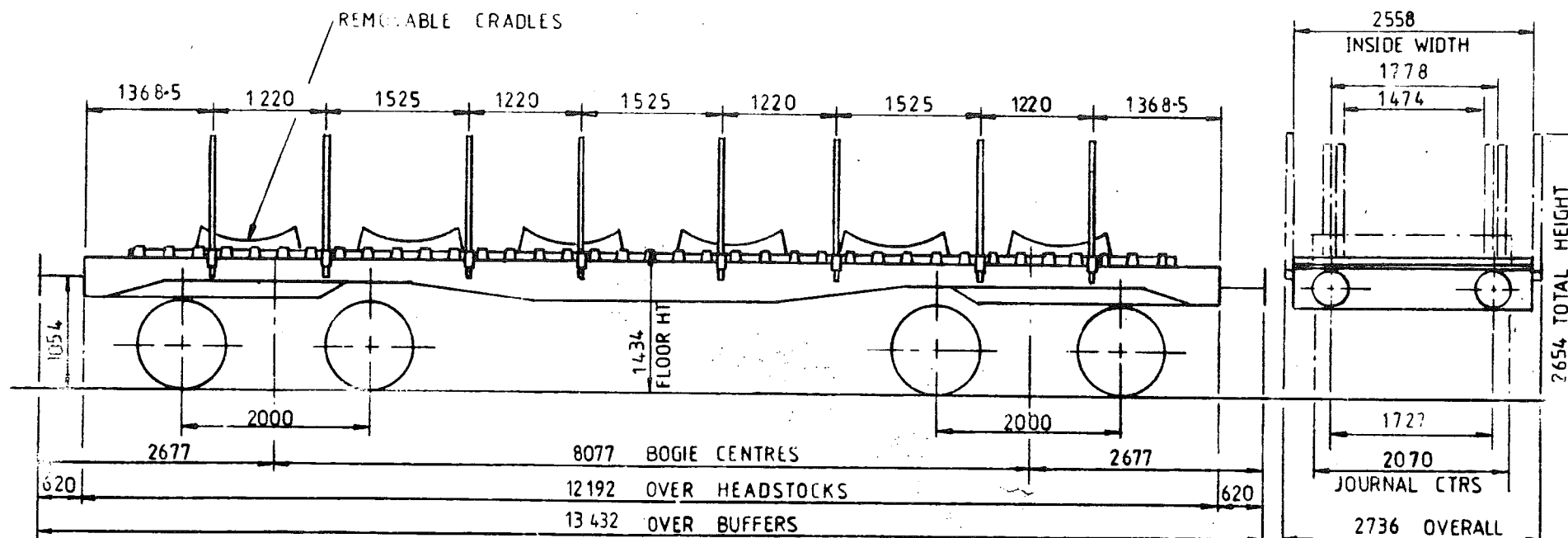
BA001C

LOT NUMBERS
3858

74

EXCESS LENGTH tonnes	H	M	L	E
VB	102	69	43	24
AB	50	40	25	14
NA	10	6	3	1
MAX SPLLE	60	60	60	60

TOPS CODE									
CARKND	AARKND								
B	A	A	B	A	A	F	8	7	3
							5		



TARE	24 100	kg
CARRYING CAPACITY -	78 000	kg
CAPACITY -		
MAX SPEED	60 mile/h	
WHEELS	φ 952	
JOURNALS	φ 150 ROLLER BEARINGS	

BUFFERS	HYDRAULIC 610x355 OBLONG HEADS
COUPLINGS	INTERNATIONAL SCREW
MIN CURVE	31m
GEN ARRGT DRG No	F-S-7421 F-S-5523
BRAKE	HAND SCREW, AIR DISC.
SUSPENSION	PRIMARY COIL, FBT 6 BOGIE.

ISSUE 3

EX BR DIAGRAM 494 (ALLOCAED)

102† GLW BOGIE STEEL CARRIER

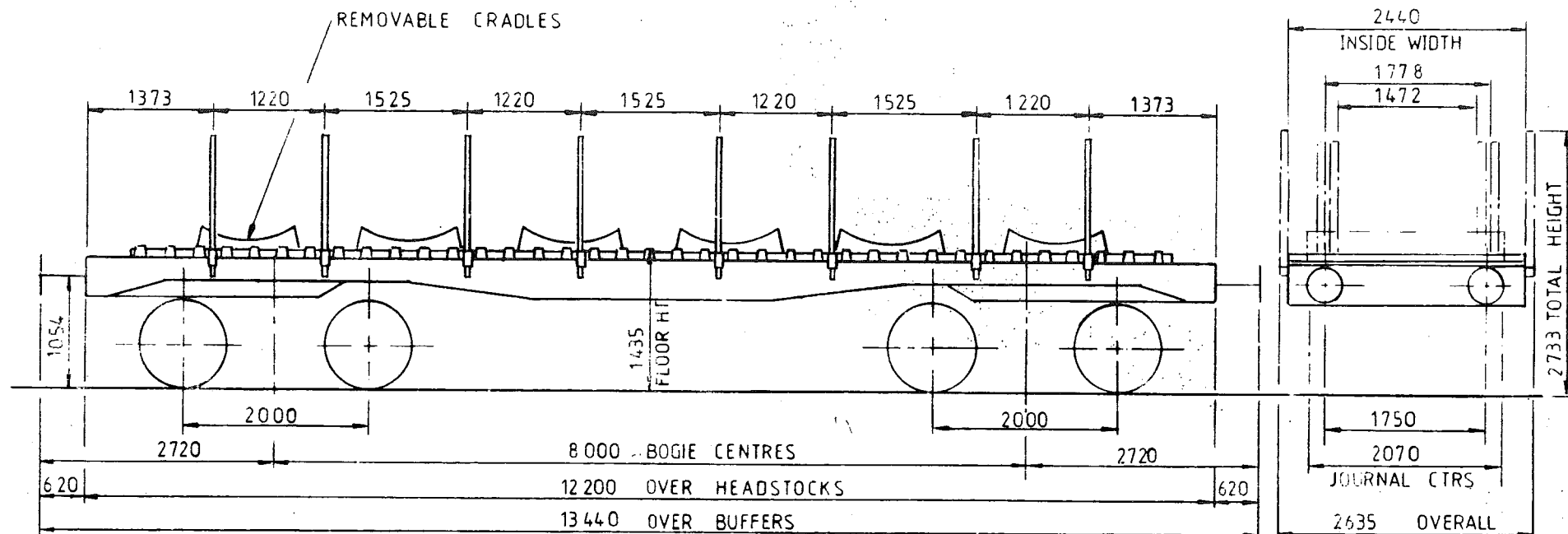
BA002A

LOT NUMBERS
3860

32.

EXCESS LENGTH	H	M	L	E
tonnes	102	69	43	24
VB				
AB	50	40	25	14
RA	10	6	3	1
MAX SPEED	60	60	60	60

TOPS CODE										
CARKND				AARKND				OPERATING PLAN. No.		
B	A	A	B	A	A	M	8	7	3	5



ARE	23 500	kg
CARRYING CAPACITY -	78 500	kg
CAPACITY -		
MAX SPEED	60 mile/h	
WHEELS	Ø 952	
JOURNALS	Ø 150 ROLLER BEARINGS	

BUFFERS - HYDRAULIC 610 x 355 OBLONG HEADS
COUPLINGS - INTERNATIONAL SCREW
MIN CURVE - 31m
GEN. ARRG'T DRG Nos F-S-7605, F-S-7782, F-A0-7795.
BRAKE - HAND SCREW, AIR DISC
SUSPENSION - PRIMARY COIL, FBT 6 BOGIE.

ISSUE 3

EX PR DIAGRAM 520 (ALLOCATED)

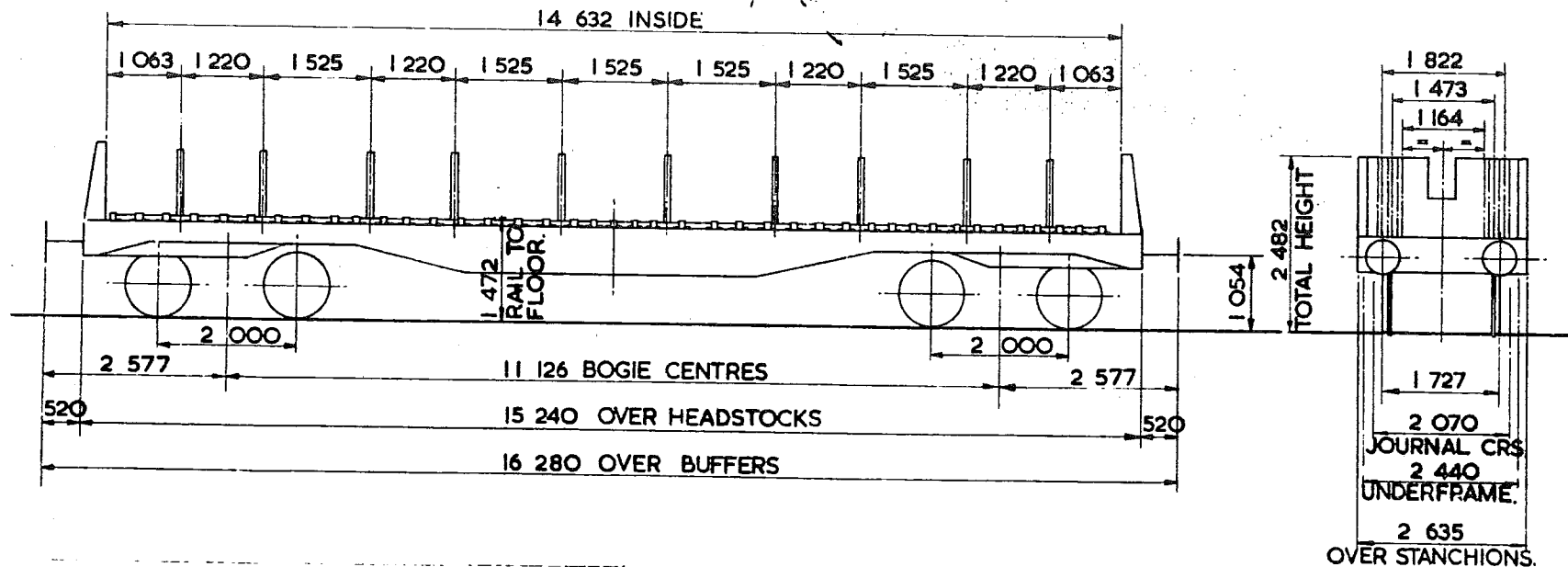
BOGIE STEEL CARRIER - BOGIE STEEL AB

BBOOIA

3845

EXCEEDS	6	H	M	L	E
tonnes	102	69	47	28	
	50	40	25	14	
	10	6	3	1	
	60	75	75	75	

B B A B B A F 3 0 3 7



28 350 kg
CARRYING CAPACITY- 73 500 kg
CAPACITY-
75 mile/h
952 DIA.
150 DIA. ROLLER BEARINGS

BUFFERS	HYDRAULIC 457 HEADS
COPPLINGS	B.R. SCREW
MIN. CLEVE	31m. & 62m CLOSE COUPLED
GEN. ARRGT. CPG. No	F-S-7390, F-S-7428
BRAKE	AIR DISC & HAND SCREW
SUSPENSION	PRIMARY COIL, FBT 6 BOGIE

ISSUE 3.

BOGIE STEEL CARRIER - BOGIE STEEL AB

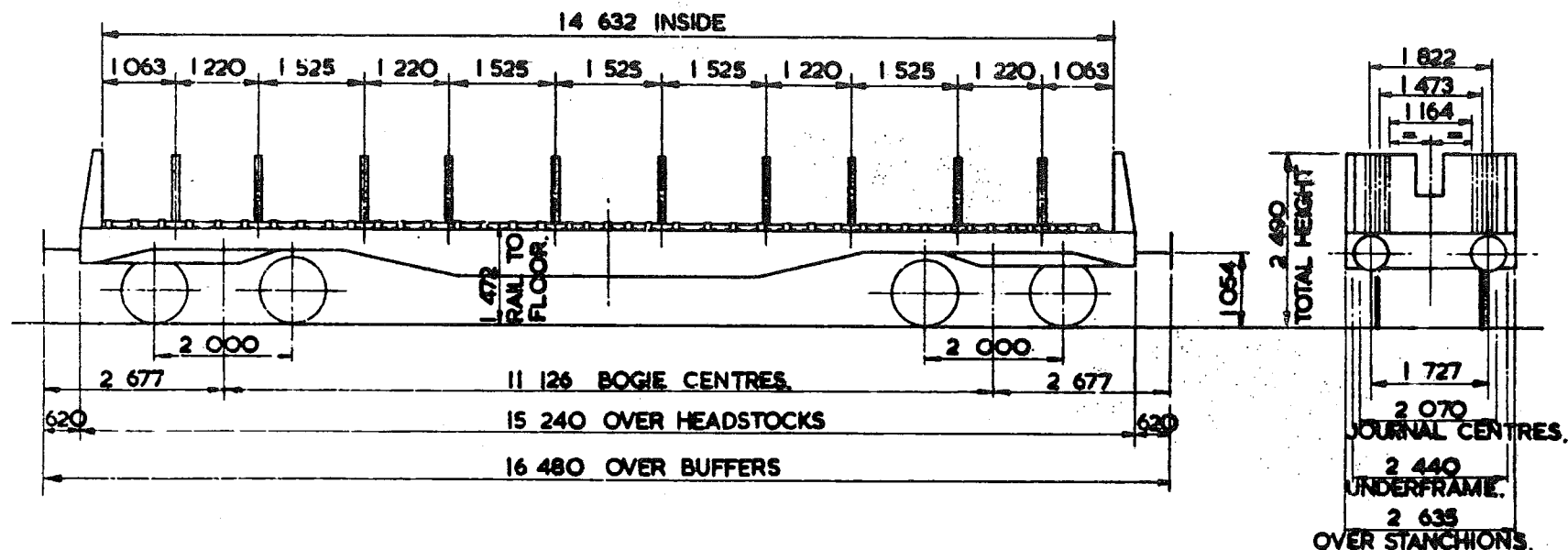
BBOOIB

W 314

LOT NUMBER
PART 3871
PART 3872
3959
PART 3857

EXCESS LENGTH	6	H	M	L	E
tonnes		102	69	47	28
VB					
AB		50	40	25	14
RA		10	6	3	1
MAX. SPEED		60	75	75	75

TOPS CODE									
CARKND				AARKND			OPERATING PAI EL No.		
B	B	A	B	B	A	F	3	0	3



TARE -	26 600 kg
CARRYING CAPACITY- 75 500 kg	
CAPACITY-	
MAX. SPEED -	75 mile/h.
WHEELS -	952 DIA.
JOURNALS -	150 DIA. ROLLER BEARINGS

BUFFERS -	HYDRAULIC 610x385 OVAL HEADS
COUPLINGS -	INTERNATIONAL SCREW
MIN. CURVE -	31m & 62m CLOSE COUPLED
GEN. ARRGT. DRG. No -	F-S-7452, F-S-7465
BRAKE -	AIR DISC & HAND SCREW
SUSPENSION -	PRIMARY COIL, FBT 6 BOGIE

ISSUE 3

EX. B.R. DIAGRAM 1/519 (ALLOCATED)

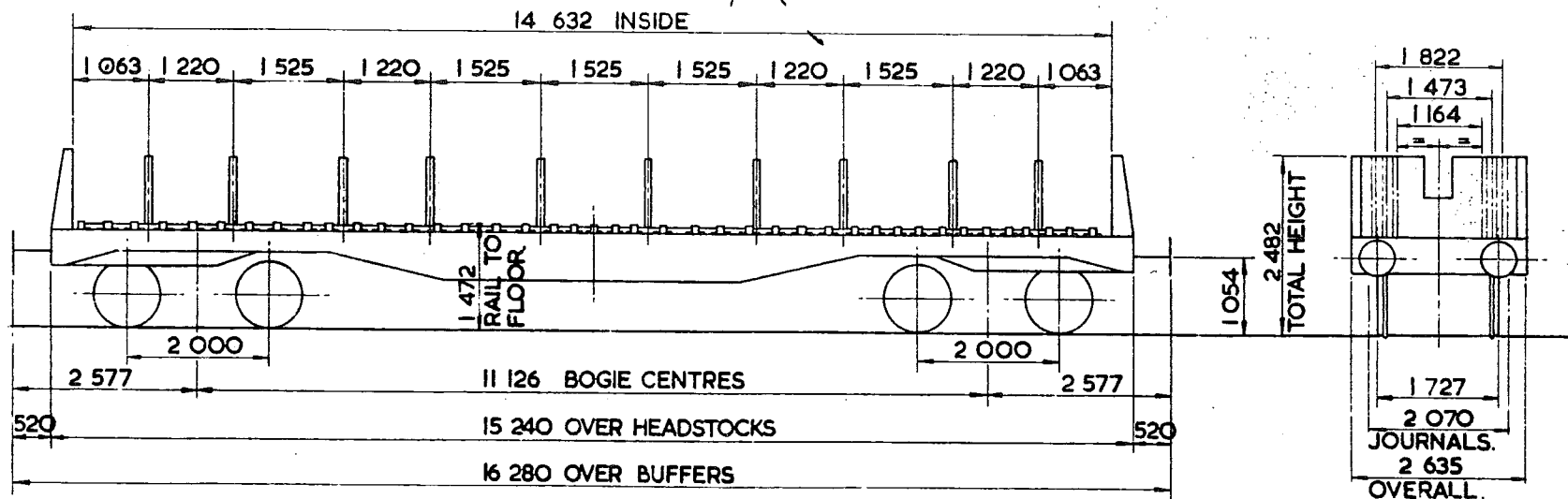
BOGIE STEEL CARRIER - BOGIE STEEL AB

BBO01C

LOT NUMBER
PART 3857

WHEELS 6	H	M	L	E
tonnes	102	69	47	28
	50	40	25	14
	10	6	3	1
	60	75	75	75

BY CODE
REND A B B A F 3 O 3 7
B B A B B A F 3 O 3 7



TARE	26 600 kg
CARRYING CAPACITY	75 500 kg
CAPACITY	
MAX SPEED	75 mile/h
WHEELS	952 DIA.
JOURNALS	150 DIA. ROLLER BEARINGS

BUFFERS	HYDRAULIC 457 DIA. HEADS
COUPLINGS	B.R. SCREW
MIN CURVE	31m. & 62m. CLOSE COUPLED
GEN ARRGT. DRG. No.	F-S-7452, F-S-7465
BRAKE	AIR DISC & HAND SCREW
SUSPENSION	PRIMARY COIL, FBT 6 BOGIE

ISSUE 3

EX. B.R. DIAGRAM 1/512 (ALLOCATED)

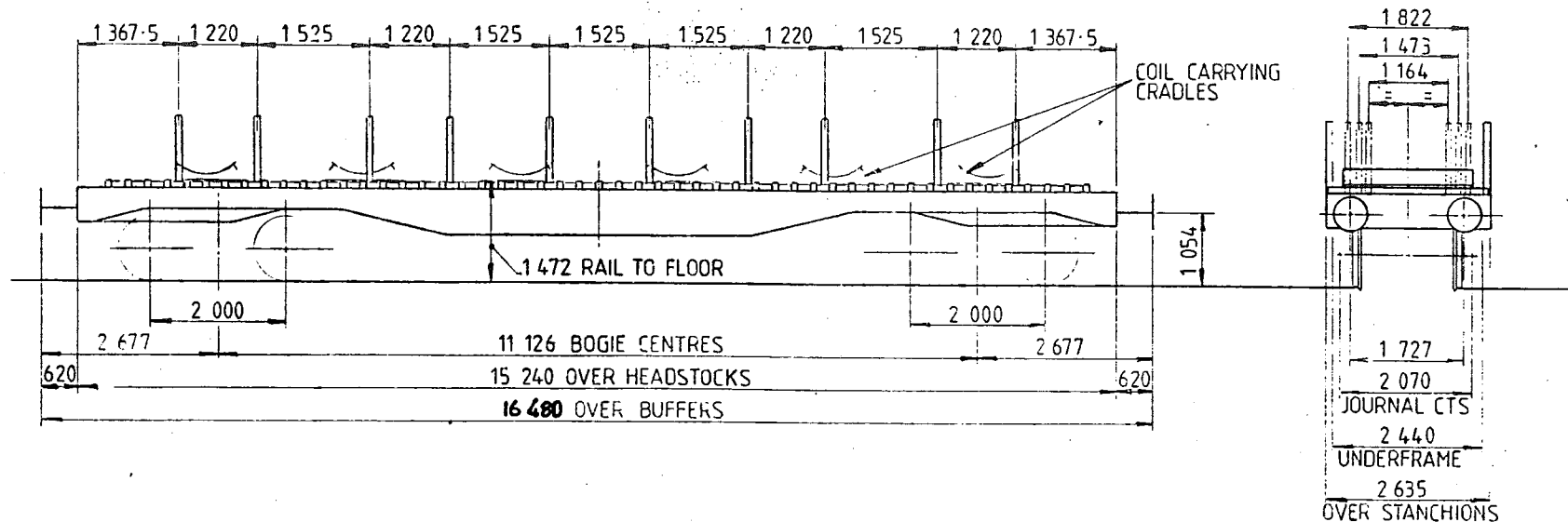
BOGIE STEEL CARRIER - BOGIE STEEL AB

BB001D

LOT NUMBER
PART 3871
PART 3872

EXCESS LENGTH	6	H	M	L	E
tonnes	102	69	47	28	
VB					
AB	50	40	25	14	
RA	10	6	3	1	
MAX SPEED	60	75	75	75	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
B	B	A	B	B	A	G	3	0	3 1 7



TARE --	27 400 kg (=st)
CARRYING CAPACITY --	74 500 kg
CAPACITY --	
MAX SPEED	75 mile / h
WHEELS --	952 DIA
JOURNALS --	150 DIA ROLLER BEARINGS

BUFFERS --	HYDRAULIC 610 x 355 OVAL HEADS
COUPLINGS --	INTERNATIONAL SCREW
MIN. CURVE --	31m SINGLY, 62m CLOSE COUPLED
GEN. ARRGT. DRG. No. --	F-S-7452, F-S-7465
BRAKE --	AIR DISC & HAND SCREW
SUSPENSION --	PRIMARY COIL, FBT6 BOGIE

issue 2

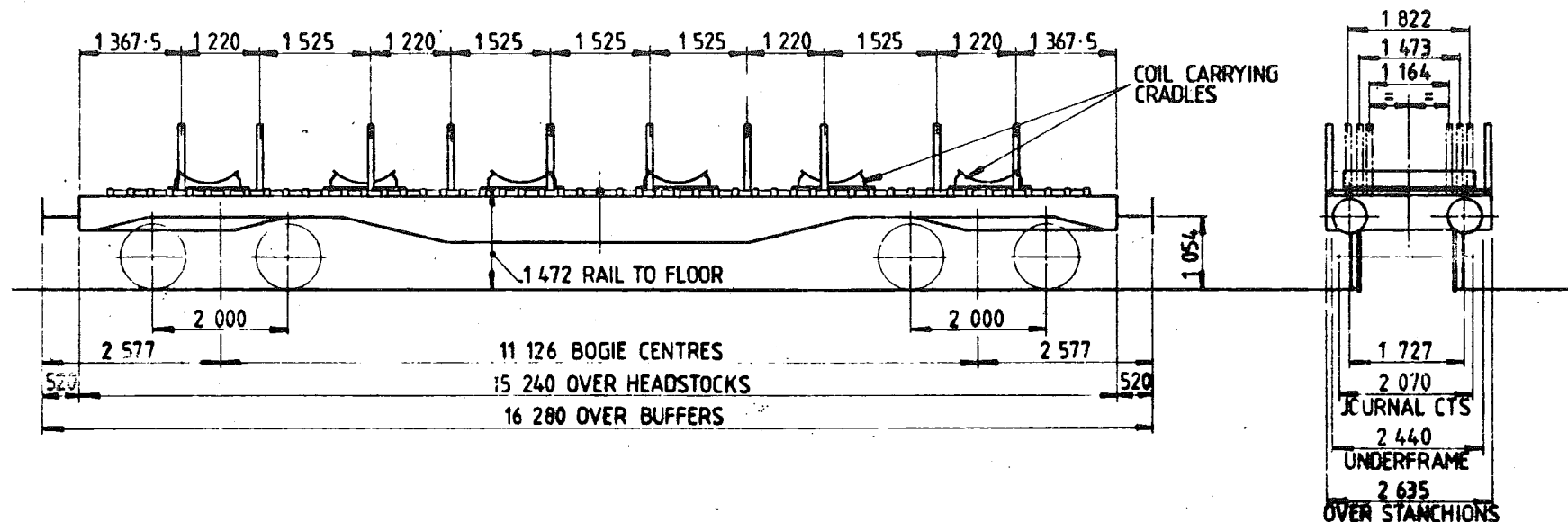
BOGIE STEEL CARRIER - BOGIE STEEL AB

BB001E

LOT NUMBER
PART 3857

EXCESS LENGTH	6	H	M	L	E
tonnes	102	69	47	28	
VB					
AB	50	40	25	14	
RA	10	6	3	1	
MAX. SPEED	60	75	75	75	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
B	B	A	B	B	A	G	3	0	3 7



TARE -	27 400 kg (est)
CARRYING CAPACITY -	74 500 kg
CAPACITY -	
MAX. SPEED -	75 mile / h
WHEELS -	952 DIA
JOURNALS -	150 DIA ROLLER BEARINGS

BUFFERS -	HYDRAULIC 457 DIA HEADS
COUPLINGS -	B.R. SCREW
MIN. CURVE -	31m SINGLY, 62m CLOSE COUPLED
GEN. ARRGT. DRG. No. -	F-S-7452, F-S-7465
BRAKE -	AIR DISC & HAND SCREW
SUSPENSION -	PRIMARY COIL, FBT6 BOGIE

issue 2

EX B.R. DIAGRAM 1/519

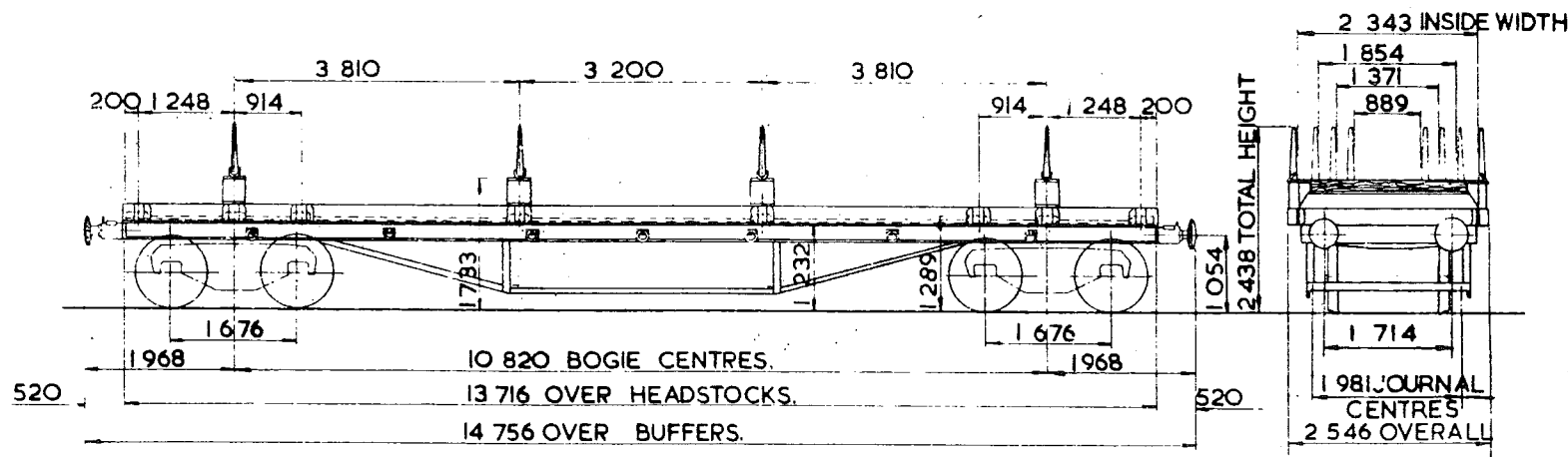
BOGIE BOLSTER 'C' WAGON

BC003C

LOT NUMBER
PART 3155
PART 3162
PART 3200
PART 3138
PART 3341

EXCESS LENGTH4	H	M	L	E
tonnes	45	37	26	18
VB	9	9	9	9
AB				
RA	1	1	1	1
MAX SPEED	55	55	55	55

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
B	C	V	B	C	V	C	8	8	3



TARE - 18 ²⁰⁰ kg.
CARRYING CAPACITY - 30 ⁵⁰⁰ kg.
CAPACITY -
MAX. SPEED - 55 mile/h.
WHEELS - 952 DIA.
JOURNALS - 111 DIA. ROLLER BEARINGS.

BUFFERS - SELF-CONTAINED 406 DIA. HEADS.
COUPLINGS - INSTANTER.
MIN. CURVE - 31 m
GEN. ARRGT. DRG No. - SW/SW 253
BRAKE - VACUUM, BLOCK & HAND LEVER.
SUSPENSION - SECONDARY COIL.

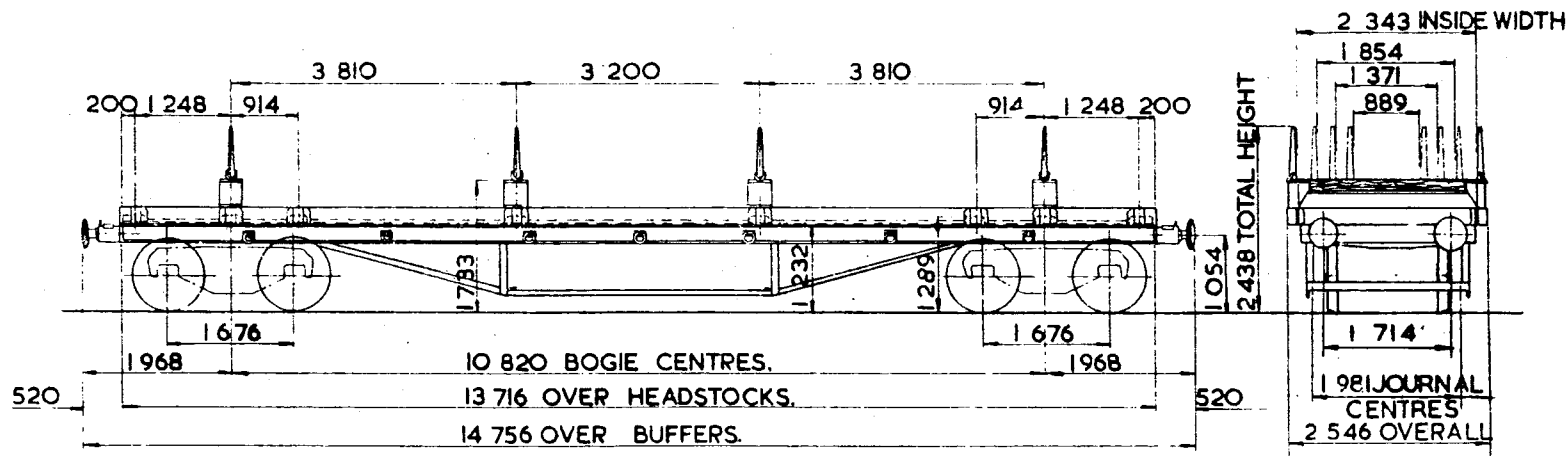
BOGIE BOLSTER 'C' WAGON

BC003E

LOT NUMBER
PART 3155
PART 3162
PART 3200
PART 3238
PART 3341

EXCESS LENGTH ⁴	H	M	L	E
tonnes	47	37	26	18
VB	9	9	9	9
AB	0	0	0	0
RA	1	1	1	1
MAX SPEED	60	60	60	60

TOPS CODE										
CARKND			AARKND				OPERATING PANEL No.			
B	C	W	B	C	W	C	6	0	5	6



TARE - 18 ²⁰⁰ kg.
CARRYING CAPACITY - 30 ⁵⁰⁰ kg.
CAPACITY -
MAX. SPEED - 60 mile/h.
WHEELS - 952 DIA.
JOURNALS - 111 DIA. ROLLER BEARINGS.

BUFFERS - SELF-CONTAINED 406 DIA. HEADS.
COUPLINGS - INSTANTER.
MIN. CURVE - 31 m
GEN. ARRGT. DRG No. - SW/SW 253
BRAKE - VACUUM, BLOCK, AIR PIPE, HAND LEVER.
SUSPENSION - SECONDARY COIL.

ISSUE 1

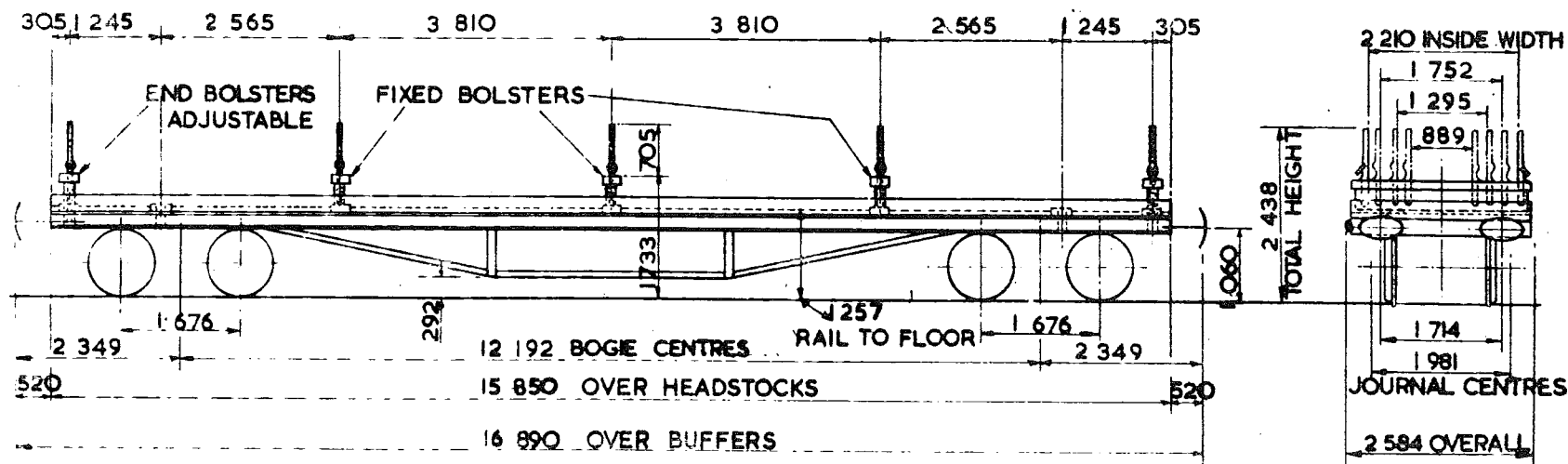
BOGIE BOLSTER 'D' WAGON

BDOO3D

LOT NUMBER
3407
3408

EXCESS LENGTH	7	H	M	L	E
tonnes	60	49	33	23	
VB	12	12	12	12	
AB	0	0	0	0	
RA	4	2	1	1	
MAX SPEED	60	70	70	70	

TOPS CODE									
CARKND		AARKND		OPERATING PANEL No					
B	D	W	B	D	W	D	8	2	1



TARE - 22400 kg
CARRYING CAPACITY- 42500 kg
CAPACITY-
MAX SPEED 70 mile/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - HYDRAULIC 610 x 356 OVAL HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 22 m
GEN. ARRGT. DRG No - DN29382
BRAKE - VACUUM BLOCK, AIR PIPE & HAND LEVER
SUSPENSION - SECONDARY COIL

ISSUE 1

EX. BR. DIAGRAM 184

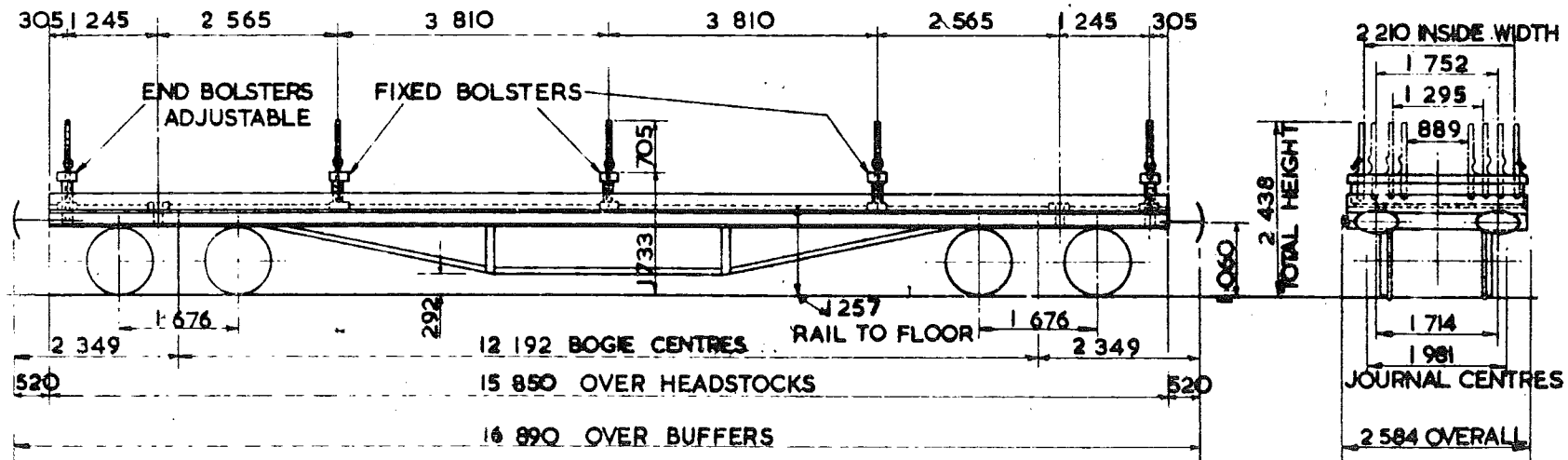
BOGIE BOLSTER 'D' WAGON

BD003G

LOT NUMBER
3408

EXCESS LENGTH	7	H	M	L	E
tonnes	60	49	33	23	
VB	12	12	12	12	
AB					
RA	4	2	1	1	
MAX SPEED	70	70	70	70	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
B	D	V	B	D	V	D	8	3	3



TARE - 22400 kg
CARRYING CAPACITY- 42500 kg
CAPACITY-
MAX. SPEED 70 mile/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - HYDRAULIC 610 x 356 OVAL HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 22 m
GEN. ARRGT. DRG. No - DN 29382
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - ALUMINIUM BOGIE, CHEVRON RUBBER SUSPN

ISSUE 1

EX. BR. DIA. RAM 484

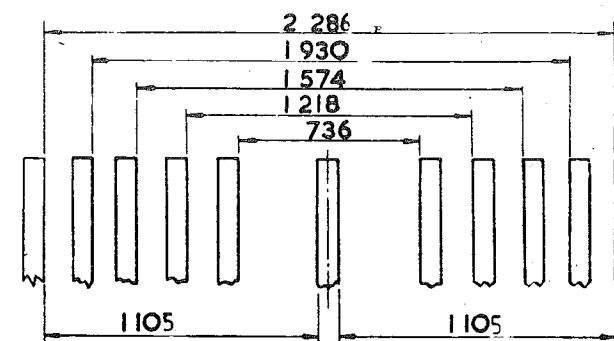
80 tonne G.L.W. STEEL CARRYING WAGON

BDOO6 C

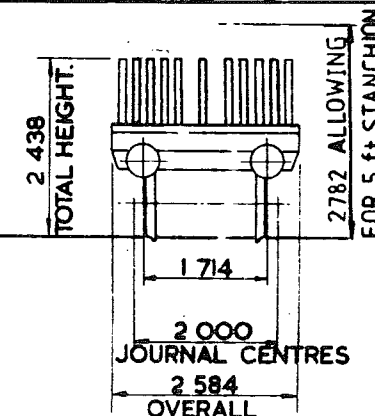
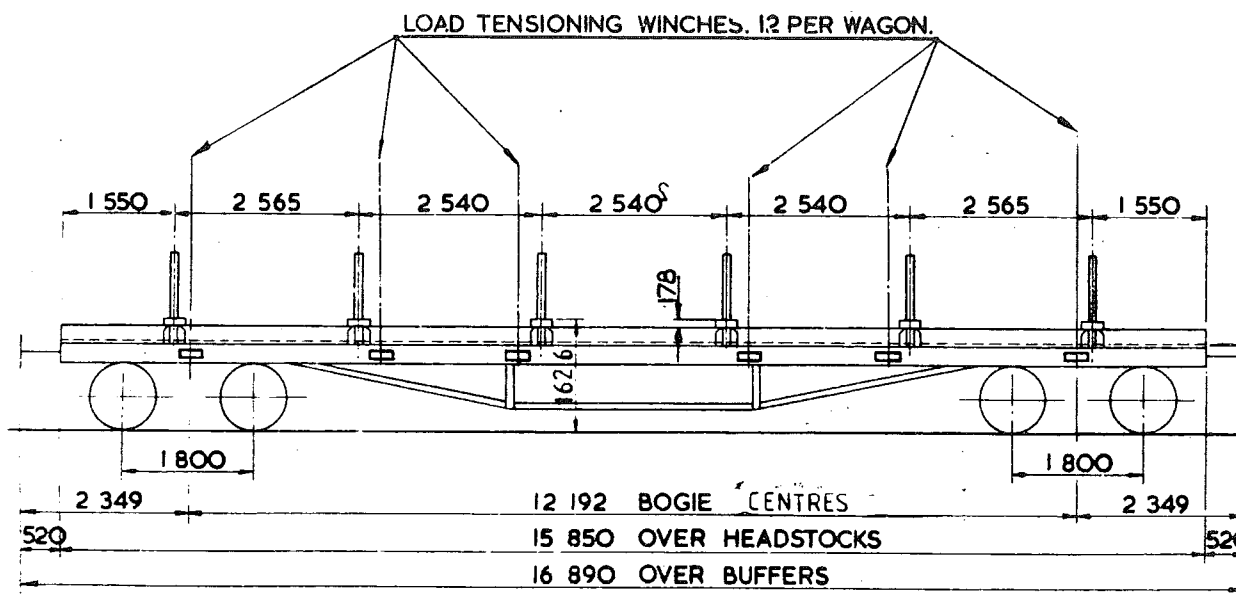
LOT NUMBER
3925

EXCESS LENGTH	7	H	M	L	E
tonnes	80	66	38	23	
VB					
AB	40	40	19	19	
RA	6	4	1	1	
MAX SPEED	60	60	60	60	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
B	D	A	B	D	A	R	3	0	3



POSSIBLE POSITIONING OF STANCHIONS.



TARE	23 000 kg
CARRYING CAPACITY -	57 000 kg
CAPACITY -	
MAX SPEED	60 mile / h.
WHEELS	920 DIA.
JOURNALS	130 DIA. ROLLER BEARINGS

BUFFERS -	HYDRAULIC 457 DIA. HEADS
COUPLINGS -	B.R. SCREW
MIN. CURVE -	50m SINGLE, 60m CLOSE COUPLED
GEN. ARRGT. DRG. No. -	F- AO - 17948 & 18297
BRAKE -	AIR BLOCK & HAND LEVER
SUSPENSION -	PRIMARY COIL Y25 C\$

ISSUE 2

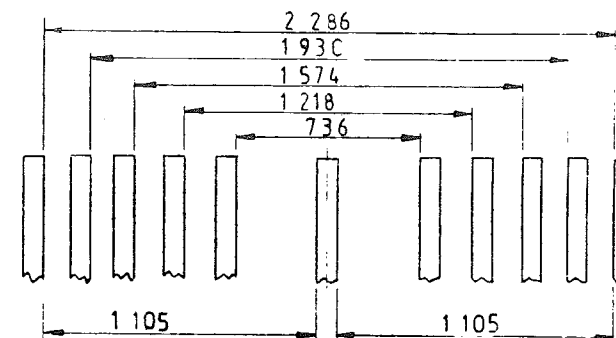
80 tonne G.L.W. STEEL CARRYING WAGON

BD006D

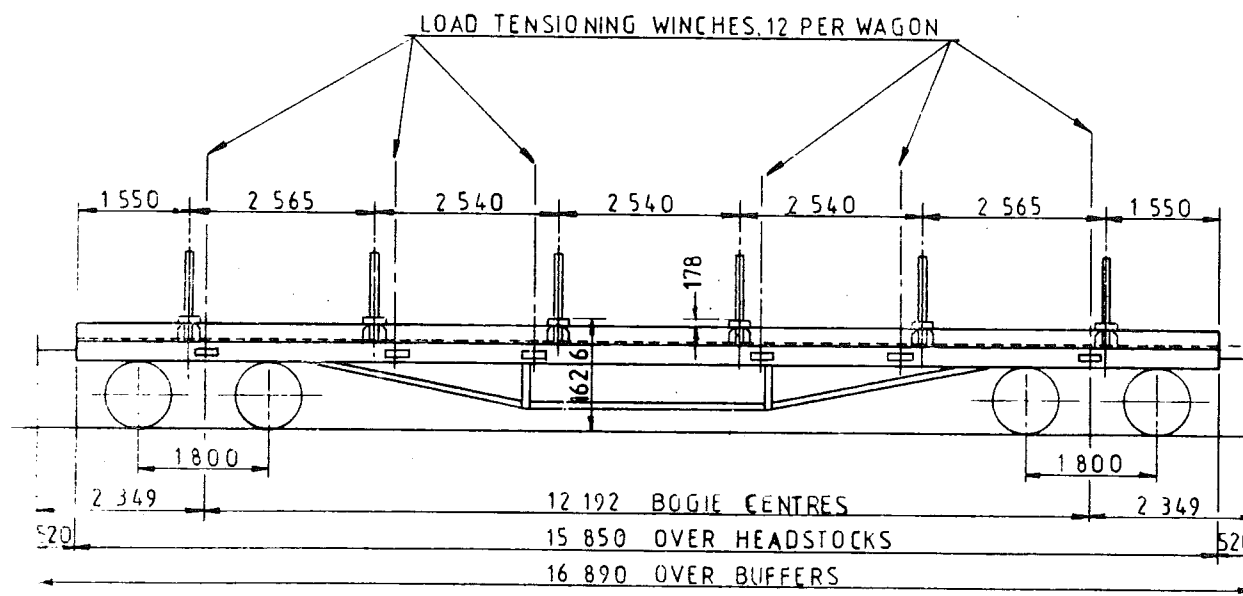
LOT NUMBER
3965
3968

EXCESS LENGTH	H	M	L	E
tonnes	80	66	38	23
VB				
AB	42	31	19	12
RA	6	4	1	1
MAX SPEED	60	60	60	60

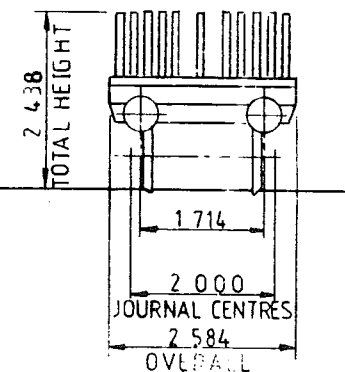
TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
B	D	A	B	D	A	R	3	0	3



POSSIBLE POSITIONING OF STANCHIONS.



1060
1258 RAIL
TO FLOOR



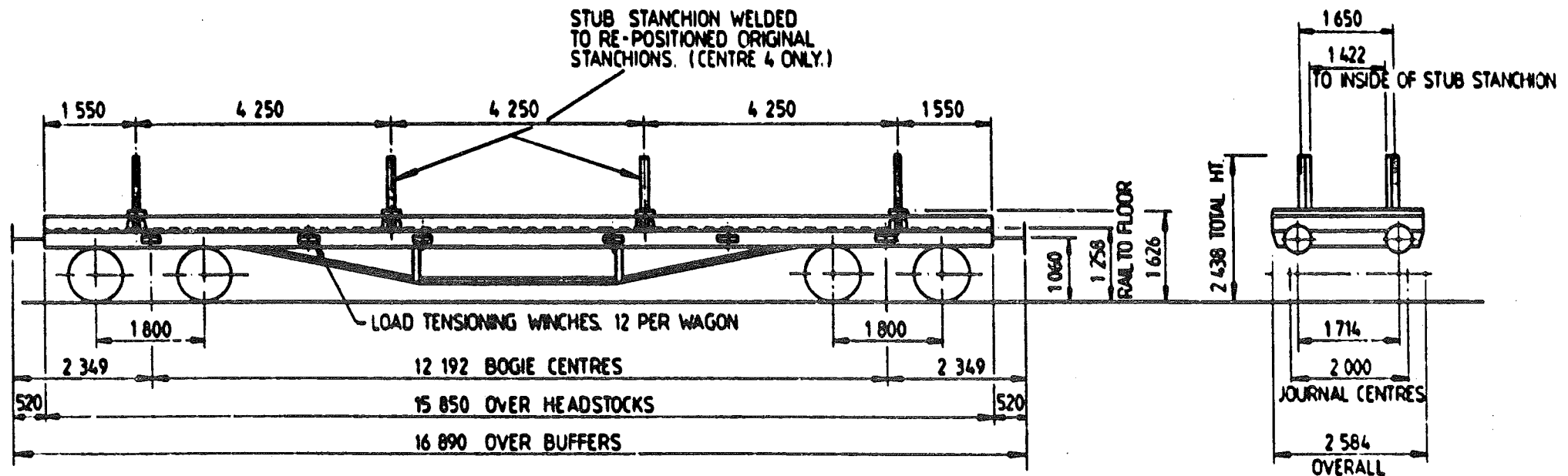
WARE -	23000kg
CARRYING CAPACITY -	57000kg
CAPACITY -	
MAX SPEED	60 mile / h.
WHEELS -	920 DIA.
JOURNALS	130 DIA. ROLLER BEARINGS

BUFFERS	HYDRAULIC 457 DIA. HEADS
COUPLINGS	B.R. SCREW
MIN CURVE -	22m. SINGLY 60m. CLOSE COUPLED
GEN ARRG'T. DRG No. -	F- A0 - 17948 & 18297
BRAKE -	AIR DISC & HAND SCREW
SUSPENSION -	PRIMARY COIL Y25 C\$\$

ISSUE 1

LOT NUMBER	
3925	

TOPS INFORMATION									
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS
CARKND		PANEL No.		60 mile/h UP TO			19t FORCE UP TO		LENGTH
B F A S				74.5 tonne GLW			40t FORCE ABOVE		7
									RA (GLW)
									6
									DESIGN SHEET
									W1545



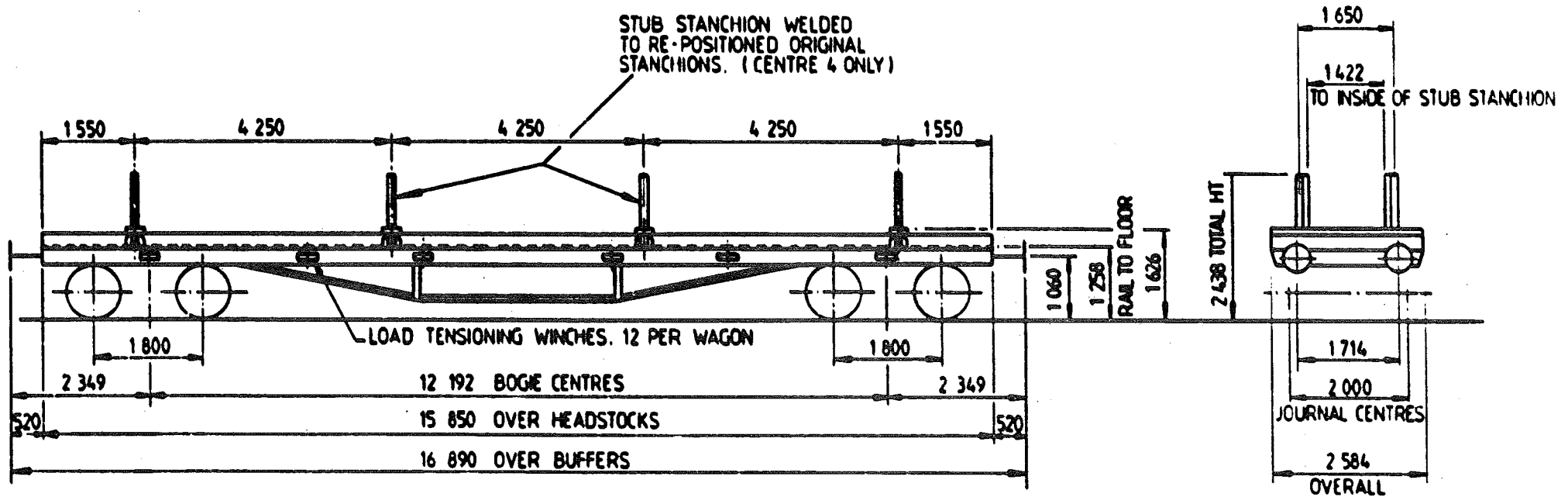
TARE-	22 500 kg
CAPACITY, WEIGHT-	52 kg
CAPACITY, VOLUME-	
MIN. CURVE-	50m SINGLY, 60m CLOSE COUPLED
GEN. ARRGT. DRG. NO.-	B1-A0-8600649

BRAKE-	AIR, BLOCK & HAND LEVER
SUSPENSION-	PRIMARY COIL, Y25 CS
COUPLINGS-	B.R. SCREW
BUFFERS-	HYDRAULIC 457 DIA. HEADS
WHEELS-	920 DIA.
JOURNALS-	130 DIA. ROLLER BEARINGS

ISSUE 2

LOT NUMBER	
3968	

TOPS INFORMATION												
AARKND		OPERATING		OPERATING SPEED				BRAKE FORCE DATA		EXCESS LENGTH	RA (GLW)	DESIGN SHEET
CARKND		PANEL No.		60 mile/h UP TO 74.5 tonne GLW				-0.08 + (0.526 * tonnes)				
B	F	A	S							7	6	W 1546



TARE-	22 500 kg
CAPACITY, WEIGHT-	52 kg
CAPACITY, VOLUME-	
MIN. CURVE-	22m SINGLY, 60m CLOSE COUPLED
GEN. ARRGT. DRG. NO.-	B1- A0 - 8600649

BRAKE-	AIR, DISC & HAND SCREW
SUSPENSION-	PRIMARY COIL Y25 CSS
COUPLINGS-	B.R. SCREW
BUFFERS-	HYDRAULIC 457 DIA. HEADS
WHEELS-	920 DIA
JOURNALS-	130 DIA ROLLER BEARINGS

ISSUE 2

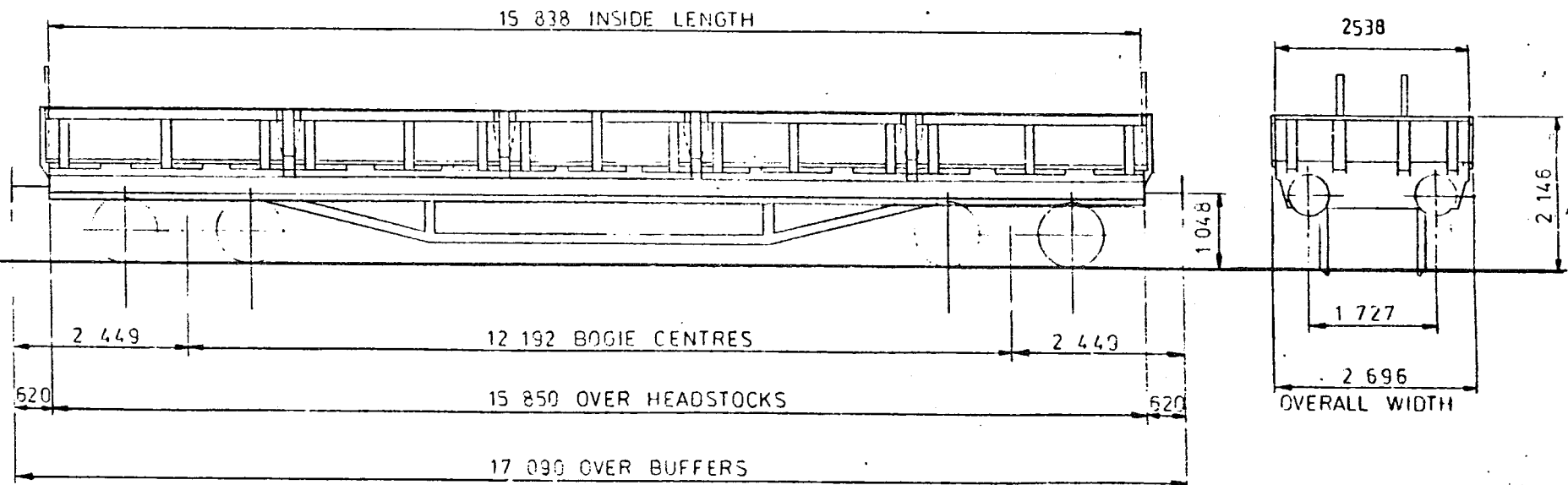
BO-PLATE WAGON

BM001A

W1328

LOT NUMBER	
4011	

TOPS INFORMATION													W 1520			
AARKND				OPERATING				OPERATING SPEED				BRAKE FORCE DATA				EXCESS LENGTH 7
CARKND				PANEL NO.				60 mile/h UP TO				VARIABLE LOAD BRAKE TO				
B	M	A	A					- mile/h ABOVE 80 tonne GLW				FORMULA -0.08 + (0.526 × t)				



TARE -	23 500 kg
CAPACITY, WEIGHT -	56 500 kg
CAPACITY, VOLUME -	
MIN. CURVE -	30 m (SINGLY)
GEN. APPGT. DRG. NO. -	F-S-21756

BRAKE -	AIR DISC & HAND SCREW
SUSPENSION -	PRIMARY
COUPLINGS -	ER SCREW
BUFFERS -	HYDRAULIC 520 DIA. HEAD
WHEELS -	920 mm DIA.
JOURNALS -	ROLLER BEARING DIA. 130

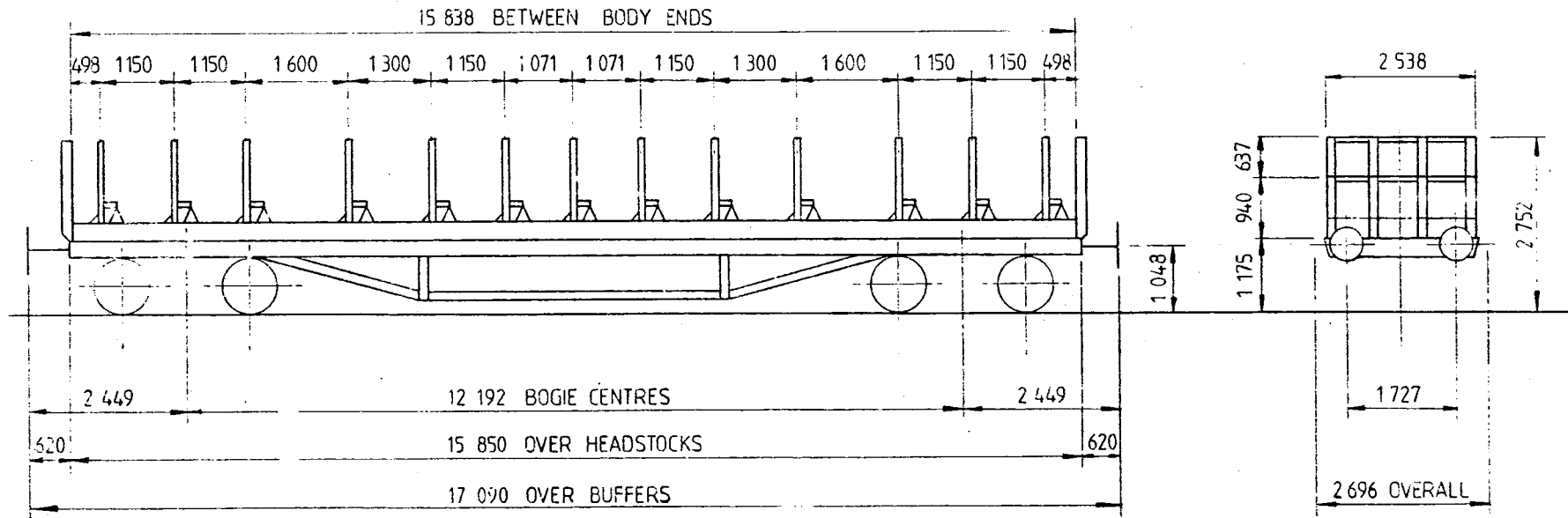
ISSUE 2.

BO - PLATE WAGON

BMOO1B

LOT NUMBER	
4011	

TOPS INFORMATION											
AARKND				OPERATING				OPERATING SPEED			
CARKND				PANEL No.				BRAKE FORCE DATA			
B	M	A	B					60 mile/h UP TO mile/h ABOVE	80 tonne GLW	- 0.08 + (0.526 * tonnes)	EXCESS LENGTH 7
											RA (GLW) 6
											DESIGN SHEET W1651



TARE-	23 500 kg
CAPACITY, WEIGHT-	56 500 kg
CAPACITY, VOLUME-	
MIN. CURVE-	30 m (SINGLY)
GEN. ARRGT. DRG. NO.-	SKETCH B1-AU-8600670

BRAKE-	AIR, DISC & HAND SCREW
SUSPENSION-	PRIMARY
COUPLINGS-	B.R. SCREW
BUFFERS-	HYDRAULIC 520 DIA HEADS
WHEELS-	920 DIA
JOURNALS-	130 DIA ROLLER BEARINGS

ISSUE 1.

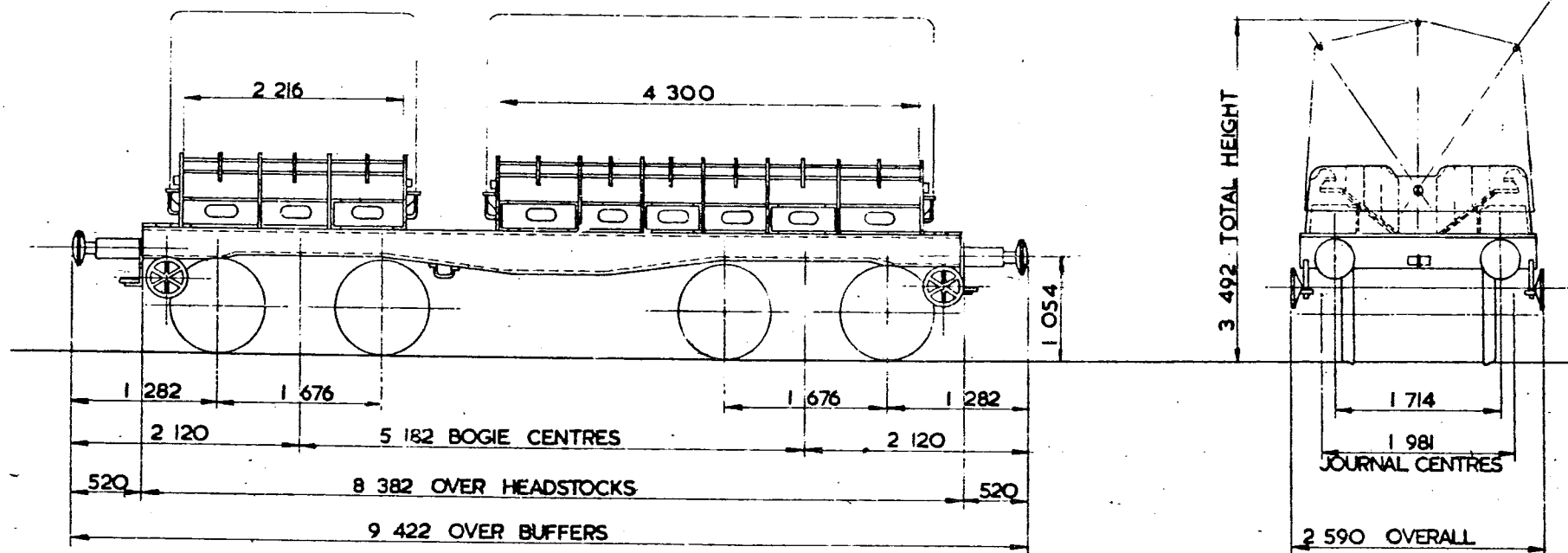
COIL 'K' WAGON

BN001A

LOT NUMBER
PART 3359

EXCESS LENGTH	H	M	L	E
tonnes	82	59	37	22
VB	14	14	14	14
AB	18	18	18	18
RA	10	7	4	1
MAX SPEED	50	50	50	50

TOPS CODE									
CARKND			AARKND			PERFORMING NAME No.			
B	N	X	B	N	X	K	2	7	5



TAPE - 21 450 kg
CARRYING CAPACITY - 61 000 kg.
CAPACITY -
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA
JOURNALS - 5 1/2" DIA ROLLER BEARINGS

BUFFERS - HYDRAULIC 406 DIA HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21 m
GEN. ARRGT DRG No. - SW 6088
BRAKE - AIR & VACUUM BLOCK, HAND SCREW
SUSPENSION - SECONDARY COIL

ISSUE 2.

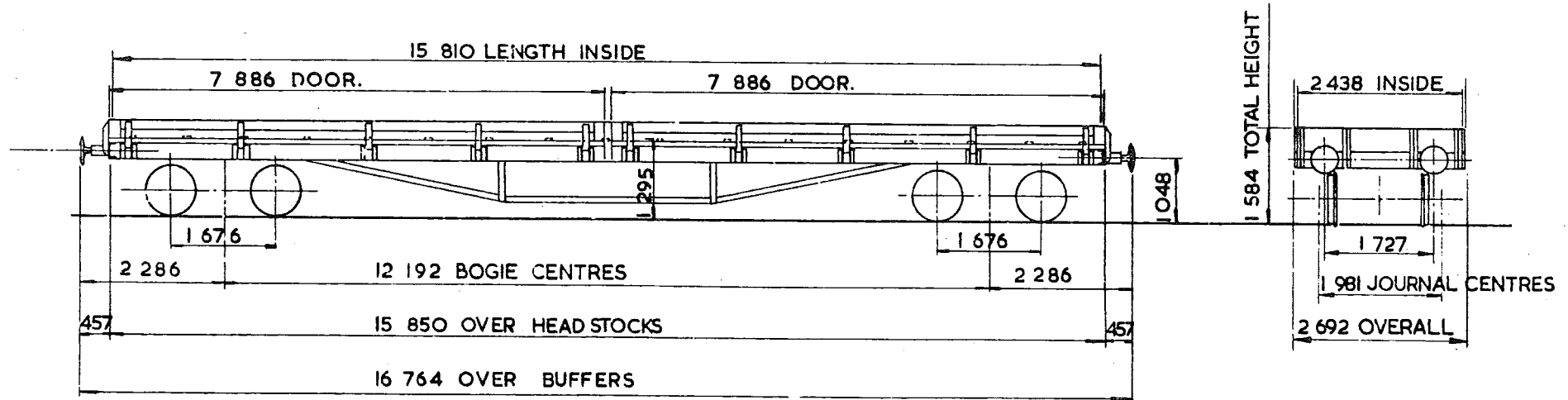
BOPLATE WAGON

BPOOIB

LOT NUMBER
323 5
3236

EXCESS LENGTH 7	H	M	L	E
tonnes	58	47	31	21
VB	12	12	12	12
AB				
RA	3	1	1	1
MAX. SPEED	55	55	55	55

TOPS CODE									
CARKND				AARKND			OPERATING PANEL No.		
B	P	V	B	P	V	E	1	5	7



TARE - 19 600 kg
CARRYING CAPACITY - 42 500 kg
CAPACITY -
MAX. SPEED - 55 mile/h
WHEELS - 824 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - SPINDLE 457 DIA. HEADS
COUPLINGS - INSTANTER.
MIN. CURVE - 22 m
GEN. ARRGT. DRG. No. - SW/ DE 2865
BRAKE - VACUUM BLOCK & HAND SCREW
SUSPENSION - SECONDARY COIL

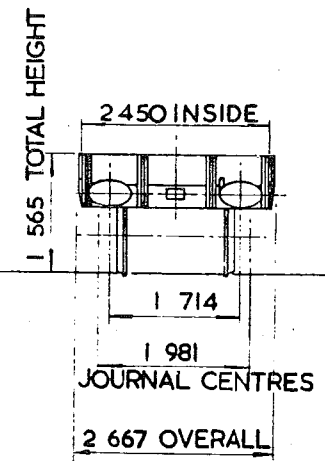
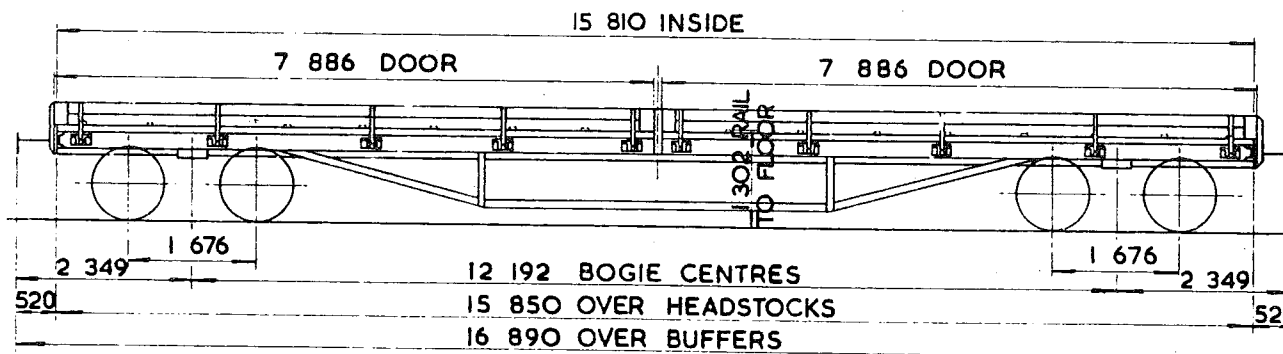
BOPLATE WAGON

BPOO2B

LOT NUMBER
3240

EXCESS LENGTH	7	H	M	L	E
tonnes	58	47	31	21	
VB	12	12	12	12	
AB					
RA	3	1	1	1	
MAX SPEED	55	55	55	55	

TOPS CODE									
CARKND					AARKND				
B	P	V	B	P	V	E		I	5 7



TARE 19 400 kg.
CARRYING CAPACITY-42 500 kg.
CAPACITY-
MAX SPEED - 55 mile/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS -HYDRAULIC 610x356 OVAL HEADS
COUPLINGS - INSTANTER
MIN CURVE - 22 m.
GEN ARRGT. DRG. No. - SW/DE/35595
BRAKE - VACUUM BLOCK & HAND SCREW
SUSPENSION - SECONDARY COIL

ISSUE 2

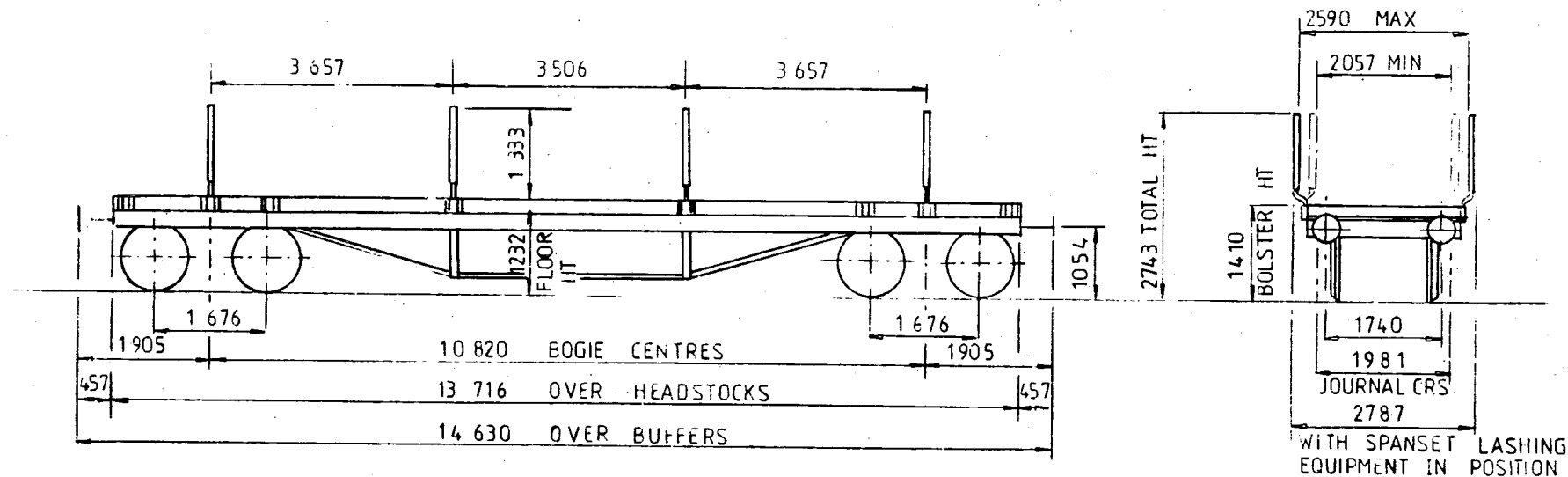
EX B.R. DIAGRAM 492

BOGIE BOLSTER WAGON PIPES

BQ001H

LOT NUMBER	

TOPS INFORMATION												
AARKND		OPERATING		OPERATING SPEED				BRAKE FORCE DATA				EXCESS LENGTH 10
CARKND		PANEL NO.		60 mile/h UP TO				9t SPAYED TO TARE				
E	Q	W	C									
				mile/h ABOVE								



TARE -	15 650 kg
CAPACITY, WEIGHT -	31 500 kg
CAPACITY, VOLUME -	
MIN. CURVE -	
GEN. ARRGT. DRG. N° -	

BRAKE -	VACUUM BLOCK & HAND SCREW
SUSPENSION -	SECONDARY COIL
COUPLINGS -	INSTANTER
BUFFERS -	SELF CONTAINED 406 DIA HEADS
WHEELS -	φ 952
JOURNALS -	111 DIA ROLLER BEARINGS

ISSUE 1

EX. BR. DIAGRAM 1 / 489

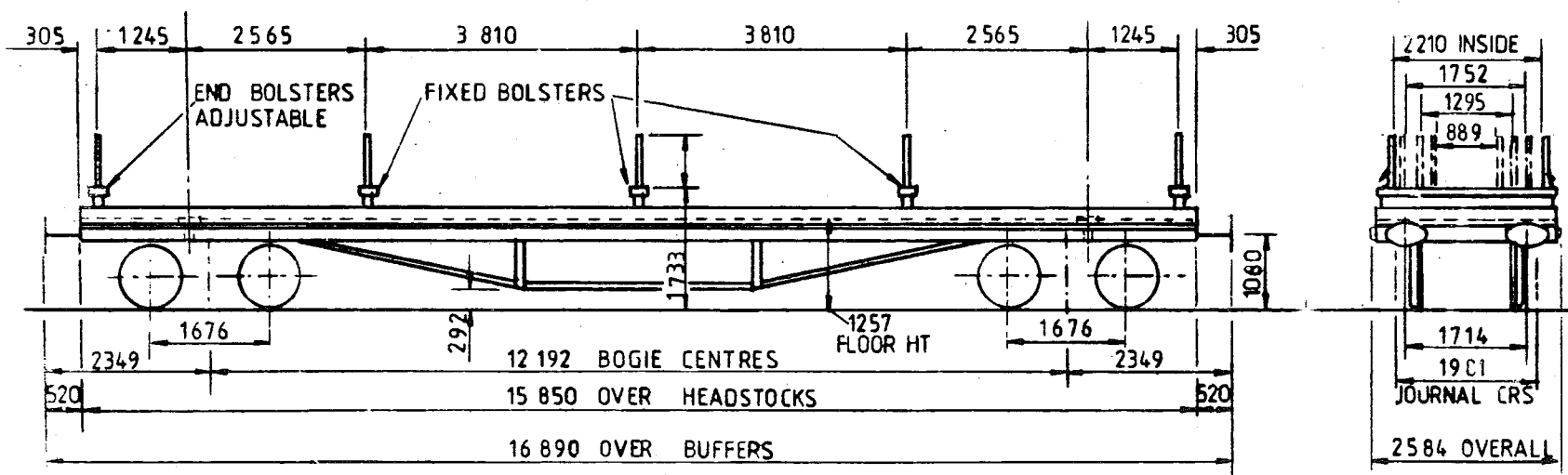
BOGIE BOLSTER WAGON - TIMBER

BS001A

W1324

LOT NUMBER	
3407	3408

TOPS INFORMATION													
AARKND			OPERATING			OPERATING SPEED				BRAKE FORCE DATA			EXCESS LENGTH
CARKND			PANEL NO.			60 mile/h UP TO				BRAKED TO TARE 12 t			
B	S	W				mile/h ABOVE 65 tonne GLW							



TARE - 22400 kg
CAPACITY, WEIGHT - 42 500 kg
CAPACITY, VOLUME -
MIN. CURVE - 22m
TEN. ARRG. DRG. NO. - DN 29382

BRAKE - VACUUM BLOCK, AIR PIPE, HAND LEVER.
SUSPENSION - SECONDARY COIL
COUPLINGS - INSTANTER
BUFFERS - HYDRAULIC, 610 x 356 OVAL HEADS
WHEELS - 952 DIA
JOURNALS - 124 DIA ROLLER BEARINGS

ISSUE 1

EX. BR. DIAGRAM 484

BOGIE BOLSTER T. WAGON

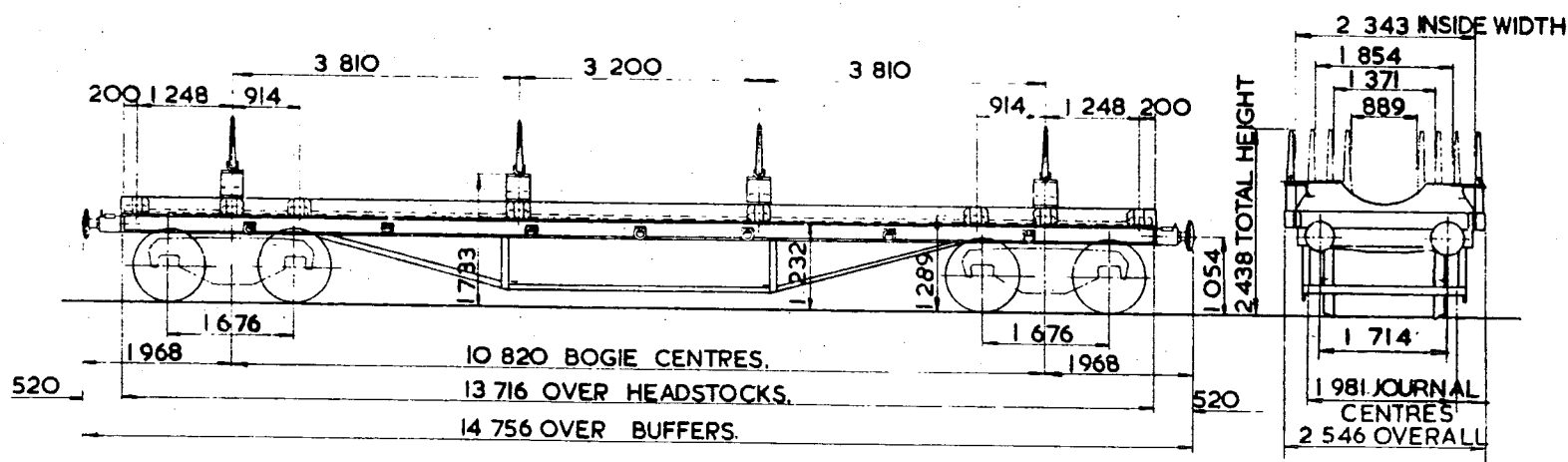
BTOOIC

W 1138

LOT NUMBER
PART 3341

EXCESS LENGTH4	H	M	L	E
tonnes	45	37	26	18
VB	9	9	9	9
AB	0	0	0	0
RA	1	1	1	1
MAX SPEED	60	50	60	60

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
B	T	W	B	T	W	A	6	0	7



TARE - 17700 kg.
CARRYING CAPACITY - 31000 kg.
CAPACITY -
MAX. SPEED - 60 mile/h.
WHEELS - 952 DIA.
JOURNALS - 111 DIA. ROLLER BEARINGS.

BUFFERS - SELF-CONTAINED 406 DIA. HEADS.
COUPLINGS - INSTANTER.
MIN. CURVE - 31 m
GEN. ARRGT. DRG No. - SW/SW 253
BRAKE - VACUUM, BLOCK & HAND LEVER, AIR PIPE
SUSPENSION - SECONDARY COIL.

ISSUE 1

BOGIE BOLSTER T. WAGON

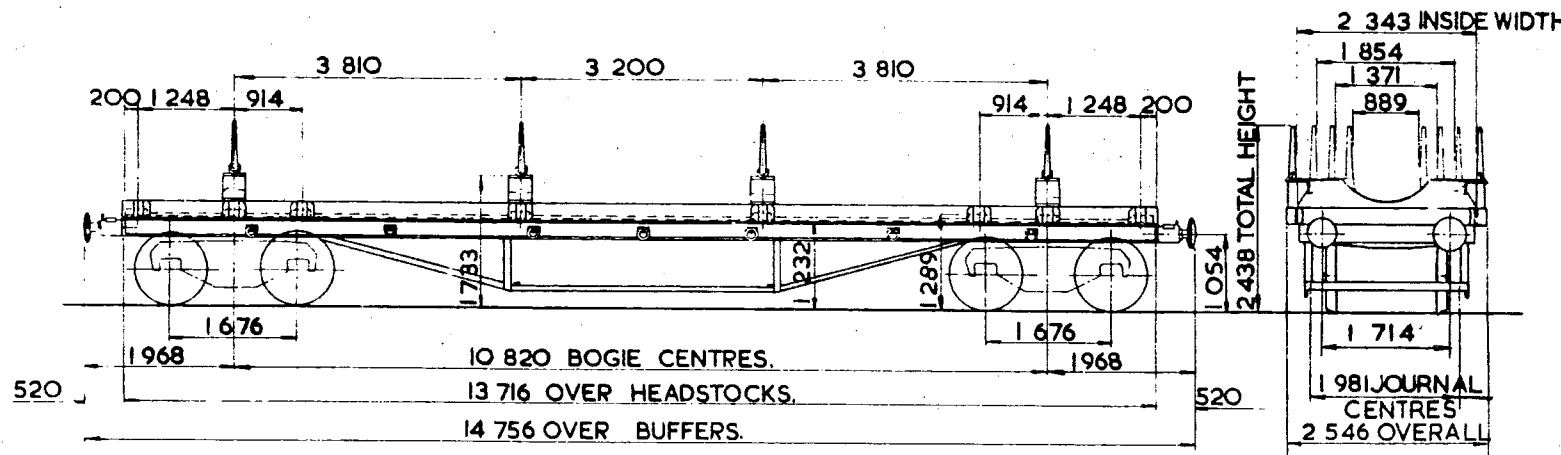
BTOO2C

W 1139

LOT NUMBER
PART 3391

EXCESS LENGTH4	H	M	L	E
tonnes	45	37	26	18
VB	9	9	9	9
AB	0	0	0	0
RA	1	1	1	1
MAX SPEED	60	60	60	60

TOPS CODE									
CARKND				AARKND			OPERATING PANEL No.		
B	T	/	B	T	W	A	6	0	7



TARE - 17700 kg.
CARRYING CAPACITY - 31 000 kg.
CAPACITY -
MAX. SPEED - 55 mile/h.
WHEELS - 952 DIA
JOURNALS - III DIA. ROLLER BEARINGS.

BUFFERS - SELF-CONTAINED 406 DIA. HEADS.
COUPLINGS - INSTANTER.
MIN. CURVE - 31 m
GEN. ARRGT. DRG No. - SW/SW 253
BRAKE - VACUUM, BLOCK & HAND LEVER, AIR PIPE
SUSPENSION - SECONDARY COIL.

ISSUE 1

EX.B.R. DIAGRAM 477

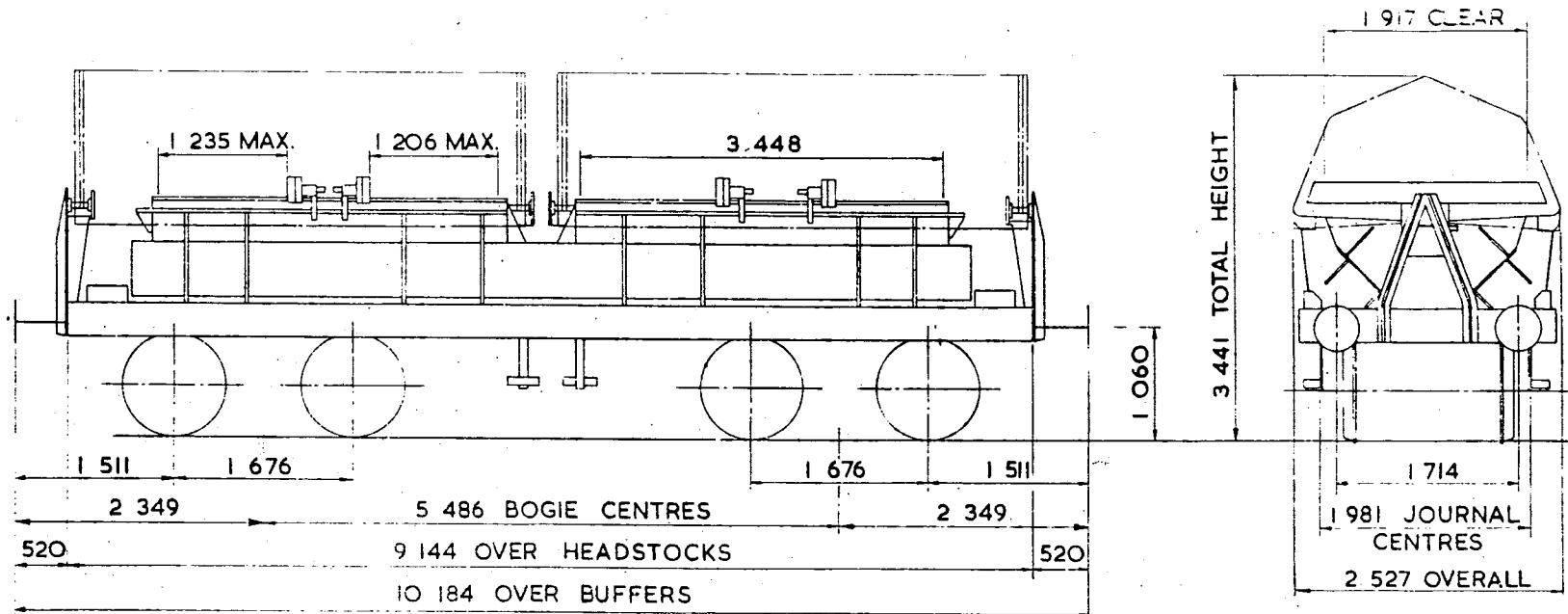
COIL STRIP WAGON

BV001B

LOT NUMBER
3015

EXCESS LENGTH	H	M	L	E
tonnes	83	61	39	23
VB	10	10	10	10
AB	0	0	0	0
RA	10	6	3	1
MAX SPEED	50	50	50	50

TOPS CODE									
CARKND			AARKND			OPERATING PANEL NO.			
B	V	W	B	V	W	E	5	0	0



TARE 23 ²⁵⁰ kg
CARRYING CAPACITY- 61 ⁰⁰⁰ kg
CAPACITY-
MAX. SPEED - 50 mile/h.
WHEELS - 952 DIA.
JOURNALS - 254 x 152 PLAIN BEARINGS

BUFFERS- SELF CONTAINED 406 DIA. HEADS
COUPLINGS - B.R. SCREW
MIN CURVE - 21m
GEN. ARRGT. DRG. No. - SW/SW 1178, SW/SW 1118
BRAKE - VACUUM BLOCK, AIR PIPE, HAND LEVER.
SUSPENSION - SECONDARY COIL

issue 1

EX. B.R. DIAGRAM 1/404

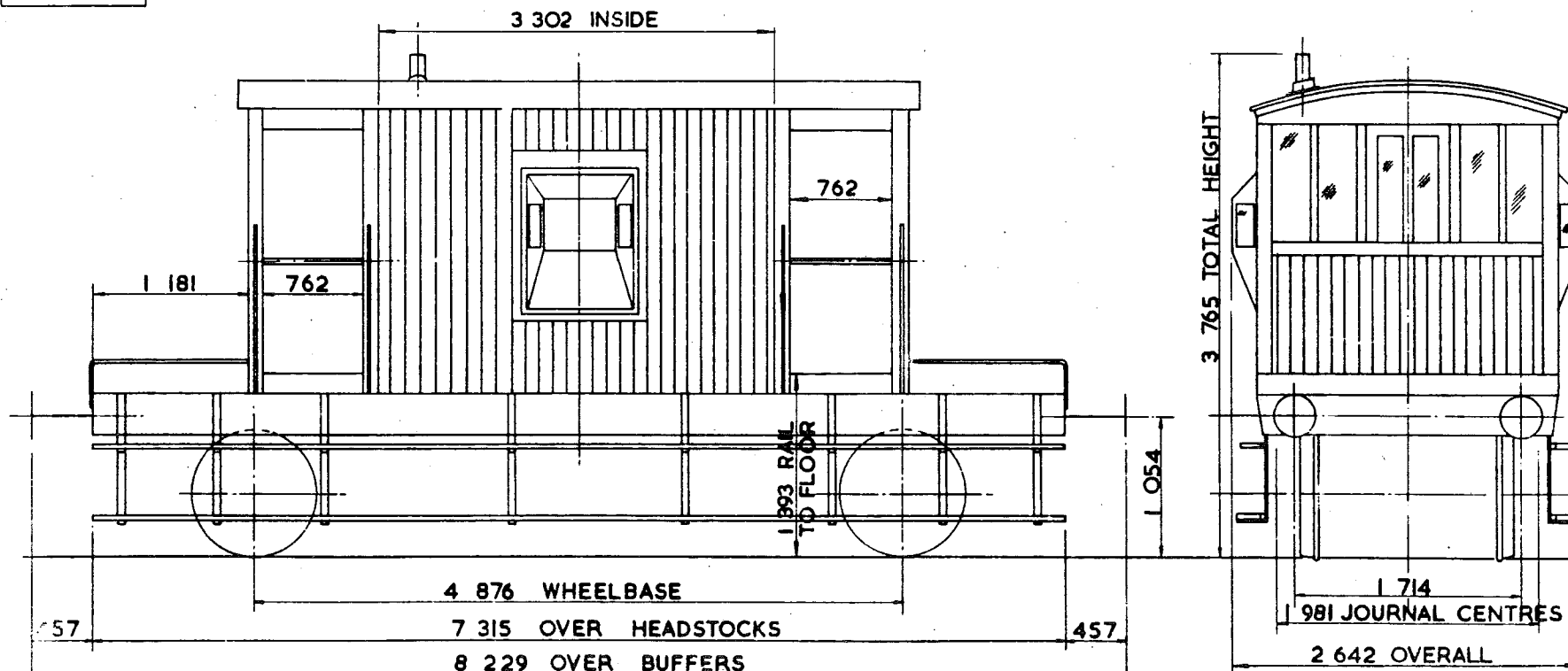
BRAKE VAN

CA003D

LOT NUMBER
PART 2136
PART 2206
PART 2207
PART 2741

EXCESS LENGTH	3	H
tonnes	20	
VB	O	
A8		
RA	I	
MAX. SPEED	60	

TOPS CODE									
CARKND			AARKND			OPERATING ANEL No			
C	A	P	C	A	P	C	4	0	1



TARE - 20 ³⁰⁰ kg
CARRYING CAPACITY -
CAPACITY -
MAX SPEED - 60 mile/h
WHEELS - 965 DIA.
JOURNALS - 228 x 114 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 31m.
GEN. ARRGT. DRG. No. - 17640 D
BRAKE - VACUUM PIPED & HAND SCREW
SUSPENSION - EYE BOLT.

EX. BR. DIAGRAM 504

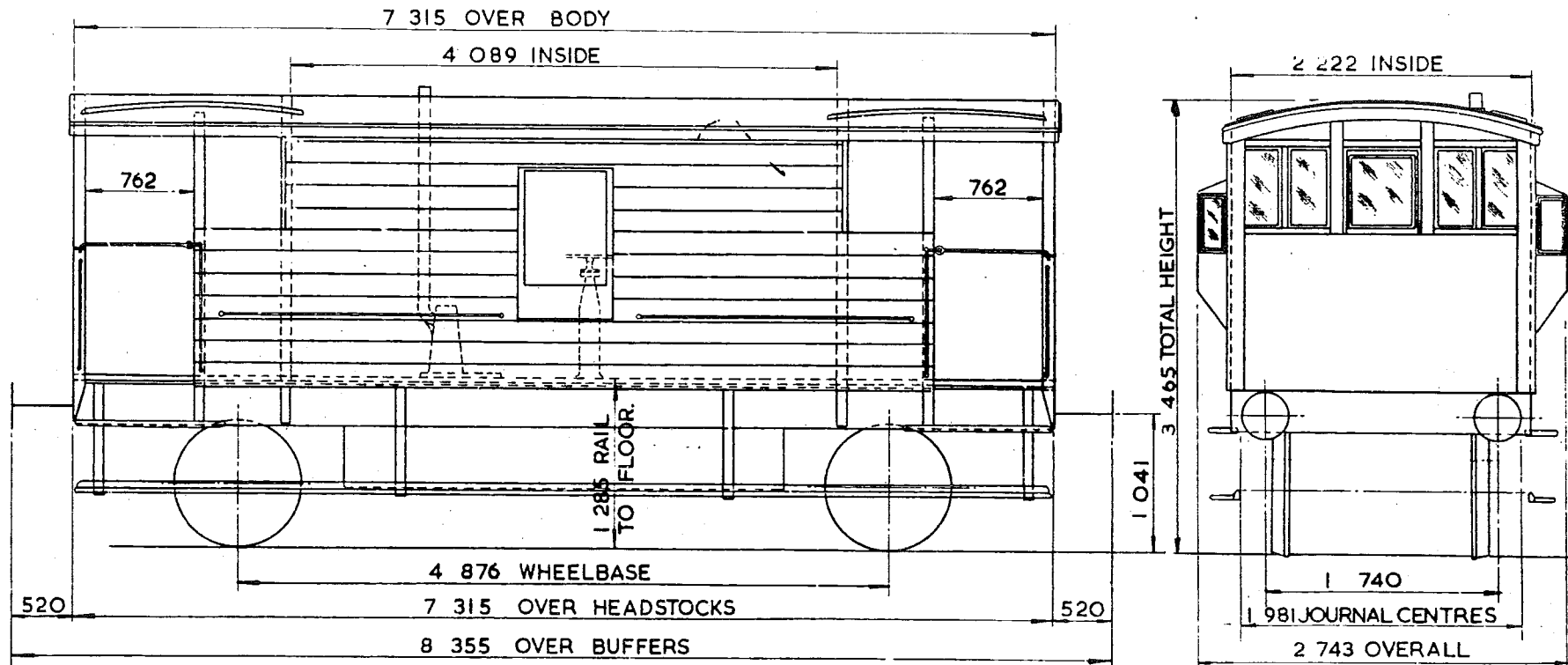
BRAKE VAN

CAOO4B

LOT NUMBER
PART 2025

EXCESS LENGTH	3	H
tonnes	20	
VB	0	
AB		
FA	1	
MAX SPEED	60	

TOPS CODE					
CARKND	AARKND				
C	A	P	C	A	P
C				4	0
					1



TARE -- 20 300 kg
CARRYING CAPACITY -
CAPACITY-
MAX. SPEED -- 60 mile/h
WHEELS -- 965 DIA.
JOURNALS -- 254 x 127 PLAIN BEARINGS

BUFFERS - SELF CONTAINED 330 DIA. HEADS.
COUPLINGS -- B.R. SCREW
MIN. CURVE -- 31 m
GEN. ARRGT. DRG No. -- D 12/717
BRAKE -- VACUUM PIPED & HAND SCREW
SUSPENSION -- EYEBOLT

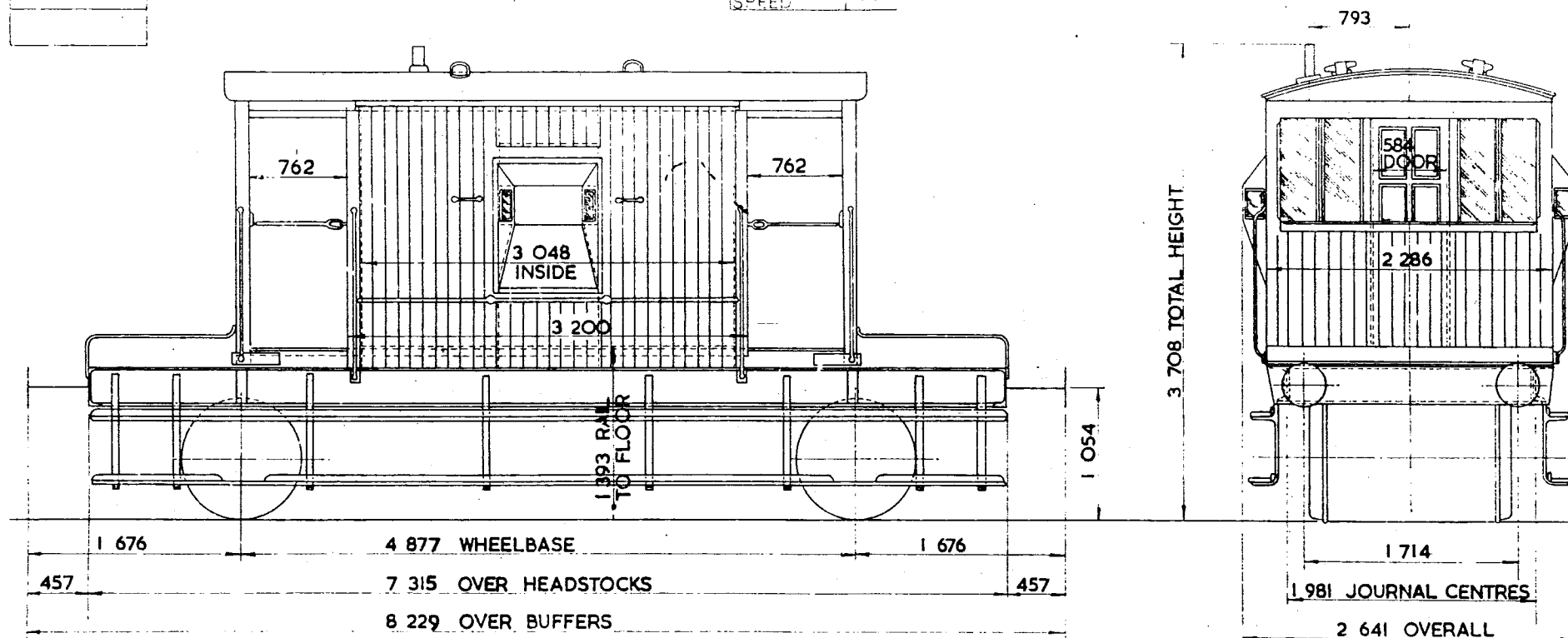
BRAKE VAN

CA 005B

LOT NUMBER
PART 2868
PART 3012
PART 3129

EXCESS LENGTH	3 H
tonnes	20
VB	
AB	
KA	1
MAX SPEED	50

TOPS CODE					
CARKND	AARKND			OPERATING PANEL NO.	
C A Ø	C A Ø	C	4	0	2



TARE - 20 300 kg
CARRYING CAPACITY
CAPACITY
MAX SPEED - 50 mile/h
WHEELS - 965 DIA.
JOURNALS - 111 DIA. ROLLER BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 31 m
GEN ARRGT. DRG No. - SW/DN/10
BRAKE - HAND SCREW
SUSPENSION - EYEBOLT & AUXILIARY RUBBERS

EX. B.R. DIAGRAM 1/506

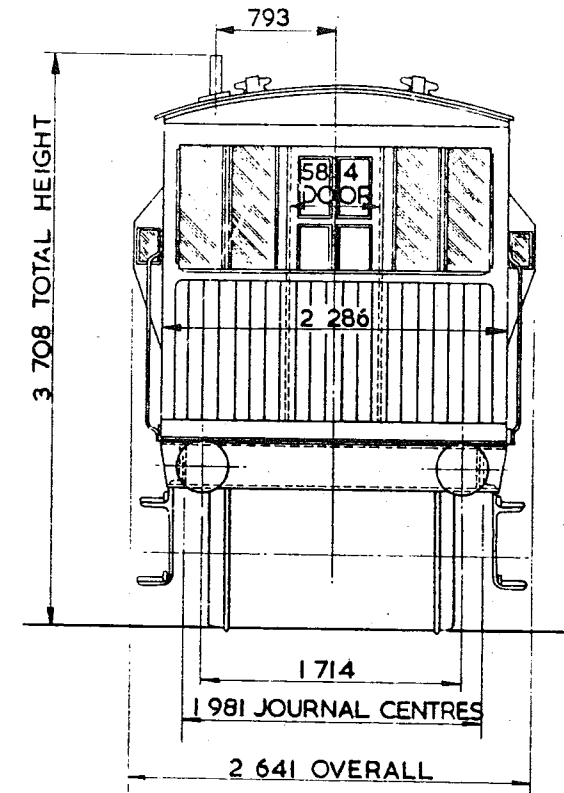
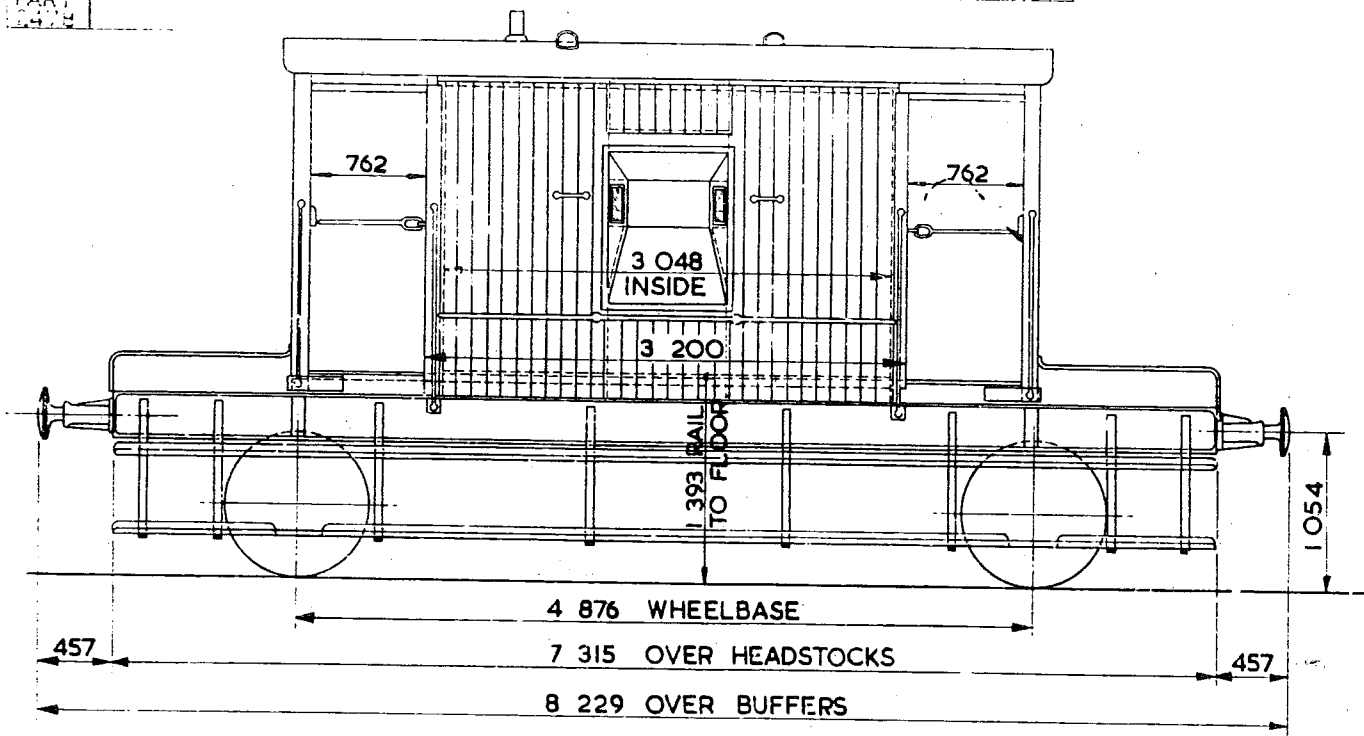
BRAKE VAN

CA005E

PART	PART
137	2005
PART	PART
247	2005
PART	
2350	
PART	
2477	
PART	
2474	

EXTENDED LENGTH	3	H
tonnes	20	
MB	0	
RA	1	
MAX SPEED	60	

TOPS CODE			
CARKND	CARKND		
C	A	P	C
4	0	1	



TARE - 20 300 kg
CARRYING CAPACITY -
MAX. SPEED 60 mile/h
WHEELS - 965 DIA.
JOURNALS - 228 x 114 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN CURVE - 31m
GEN. ARRGT. DRG. No. - SW/DN 10
BRAKE - VACUUM PIPED & HAND SCREW
SUSPENSION - EYEBOLT

ISSUE 2.

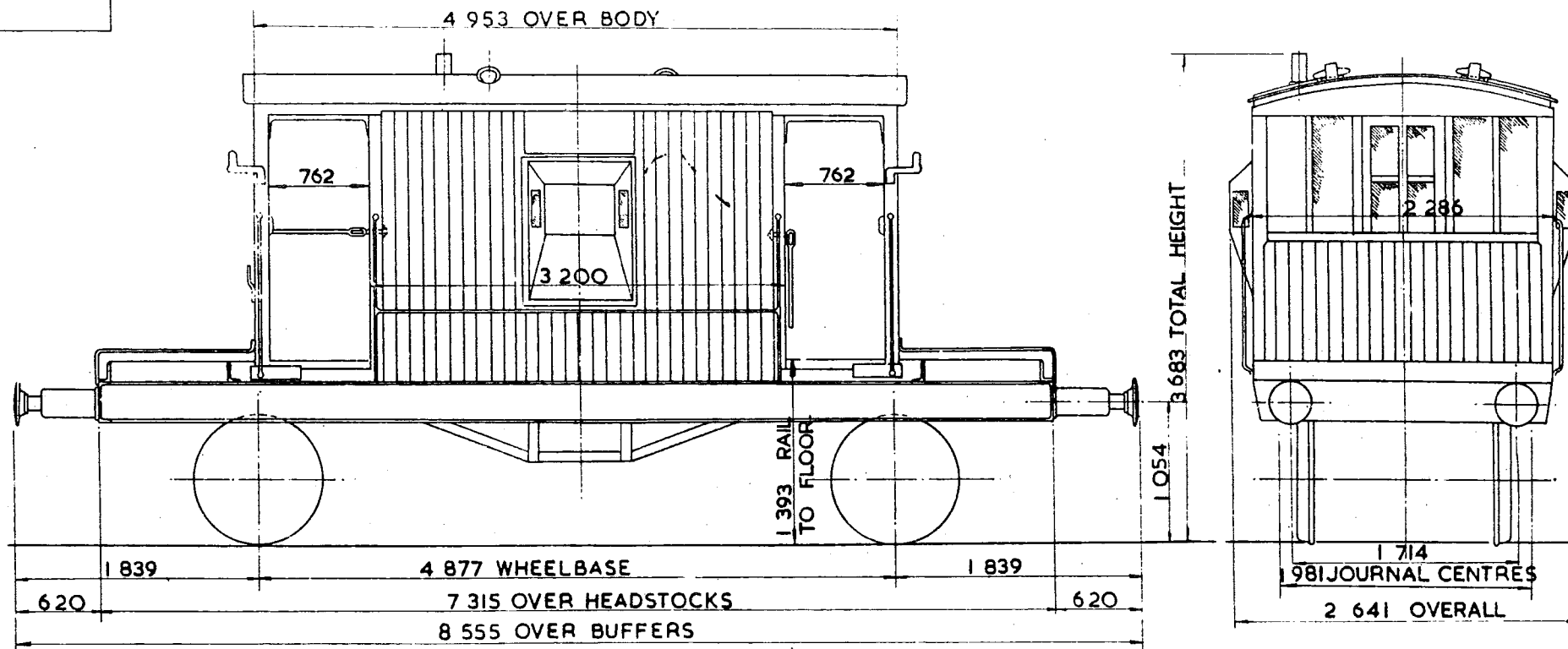
BRAKE VAN

CA006C

LOT NUMBER
PART 3227
PART 3394

EXCESS LENGTH3	H
tonnes	20
VB	O
AB	—
RA	I
MAX. SPEED	60

TOPS CODE					
CARKND	AARKND			OPERATING PANEL No.	
C A P	C	A	P	C	4 0 1



TARE - 20 ³⁰⁰ kg.
CARRYING CAPACITY-
CAPACITY-
MAX. SPEED - 60 mile/h.
WHEELS - 965 DIA.
JOURNALS - III DIA. ROLLER BEARINGS.

BUFFERS-SELF CONTAINED 330 DIA. HEADS.
COUPLINGS-INTERNATIONAL SCREW.
MIN. CURVE - 31m.
GEN. ARRGT. DRG No.-SW/DN 28235.
BRAKE-VACUUM PIPED & HAND SCREW
SUSPENSION-EYE BOLT & AUXILIARY RUBBERS.

ISSUE 2.

EX.B.R. DIAGRAM 507

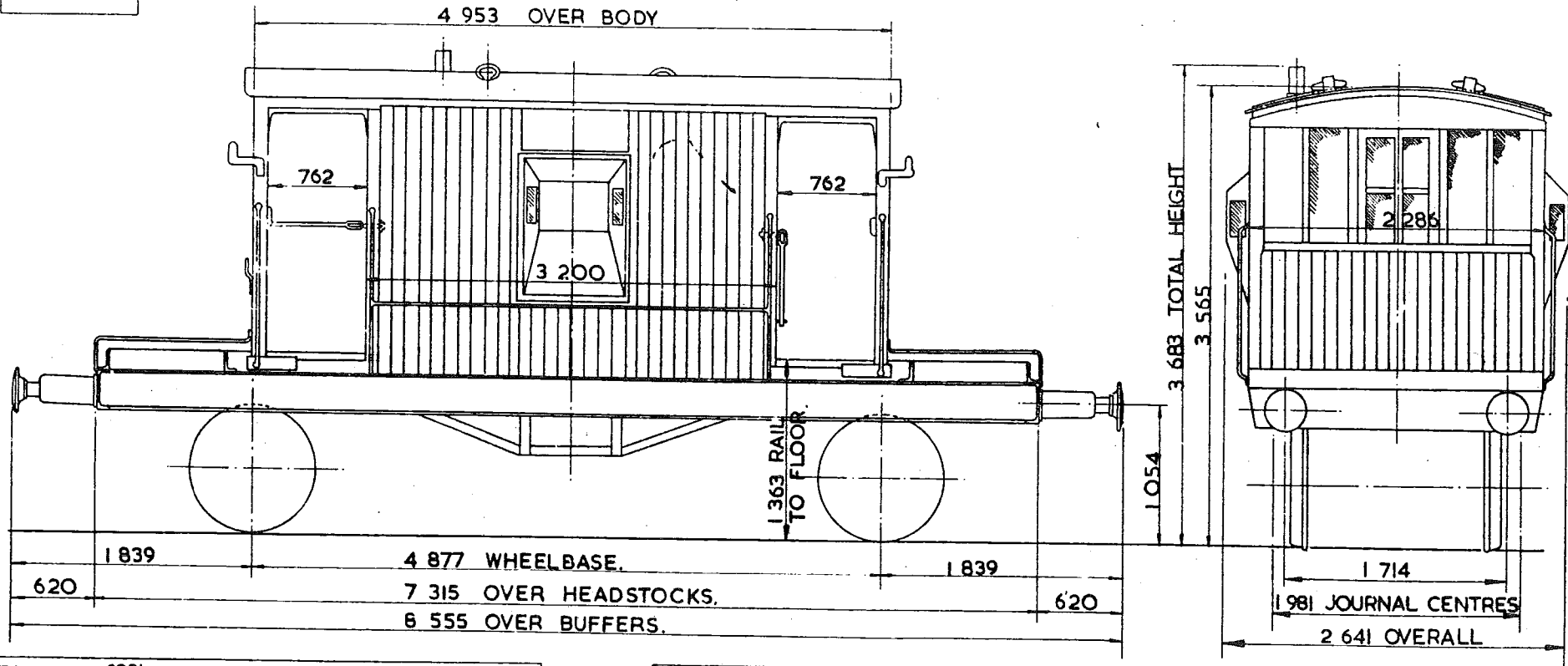
BRAKE VAN

CA006D

LOT NUMBER
PART 3227
PART 3394

EXCESS LENGTH	3	H	M	L	E
tonnes	20				
VB	0				
AB	0				
RA	1				
MAX SPEED	60				

TOPS CODE									
CARKND			AARKND			PARTIAL PAGE NO.			
C	A	R	C	A	R	C	4	0	5



TARE - 20 ³⁰⁰ kg.
CARRYING CAPACITY -
CAPACITY -
MAX. SPEED - 60 mile/h.
WHEELS - 965 DIA.
JOURNALS - III DIA. ROLLER BEARINGS.

BUFFERS - SELF CONTAINED 330 DIA. HEADS
COUPLINGS - INTERNATIONAL SCREW.
MIN CURVE - 31m.
GEN. ARRGT. DRG. No - SW/DN 28235
BRAKE - AIR & VACUUM PIPED & HAND SCREW
SUSPENSION - EYE BOLT & AUXILIARY RUBBERS.

ISSUE 2.

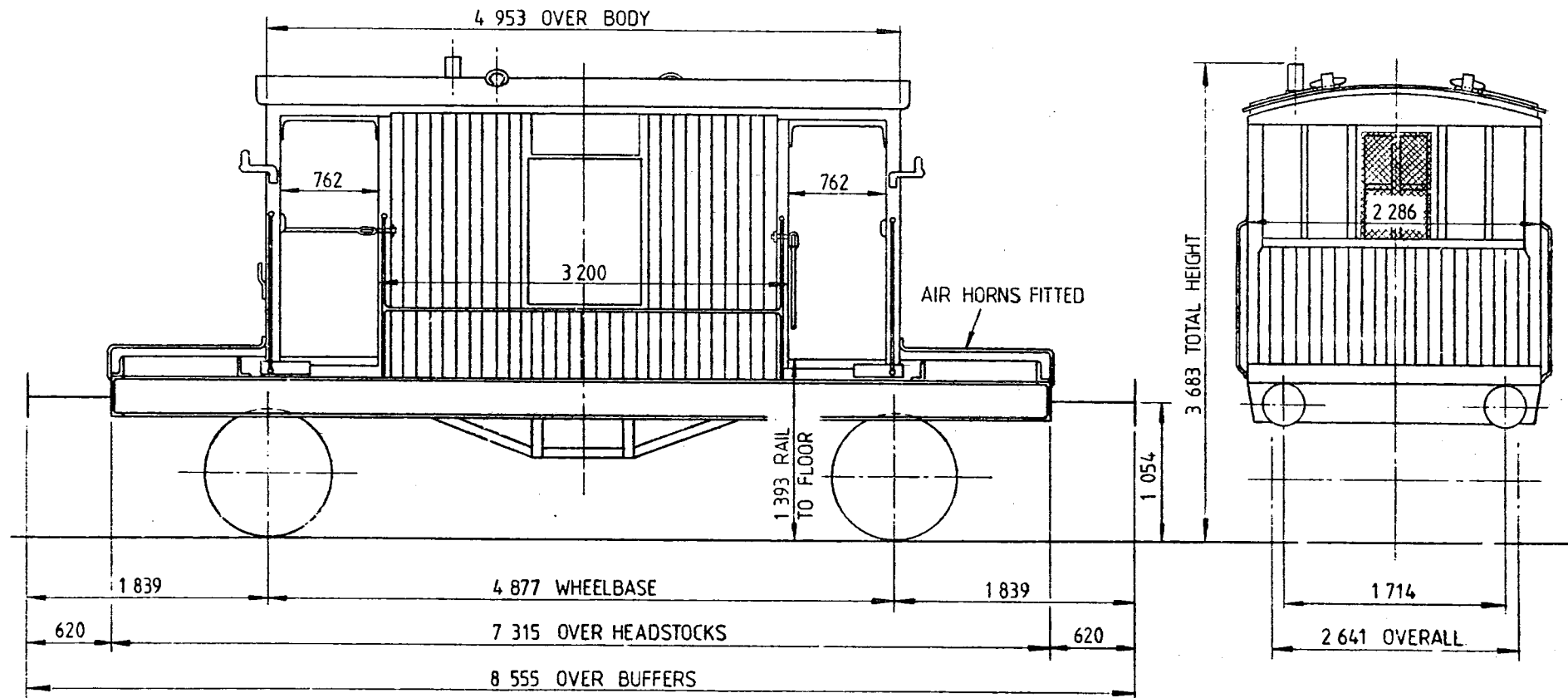
EX. B.R. DIAGRAM 507

BRAKE VAN

CA006F

LOT NUMBER	
3227	
3394	

TOPS INFORMATION																					
AARKND				OPERATING				OPERATING SPEED				BRAKE FORCE DATA				EXCESS LENGTH		RA (GLW)		DESIGN SHEET	
CARKND				PANEL No.				60 mile/h UP TO				20.3 tonne GLW									
C	A	R	C					mile/h ABOVE								3		1		W 1664	



TARE-	20 300 kg
CAPACITY, WEIGHT-	
CAPACITY, VOLUME-	
MIN. CURVE-	21m
GEN. ARRGT. DRG. NO.-	SW/DN 28235

BRAKE-	DUAL PIPED & HAND SCREW
SUSPENSION-	EYEBOLT & AUXILIARY RUBBERS
COUPLINGS-	INTERNATIONAL SCREW
BUFFERS-	SELF CONTAINED 330 DIA. HEADS
WHEELS-	965 DIA.
JOURNALS-	111 DIA. ROLLER BEARINGS

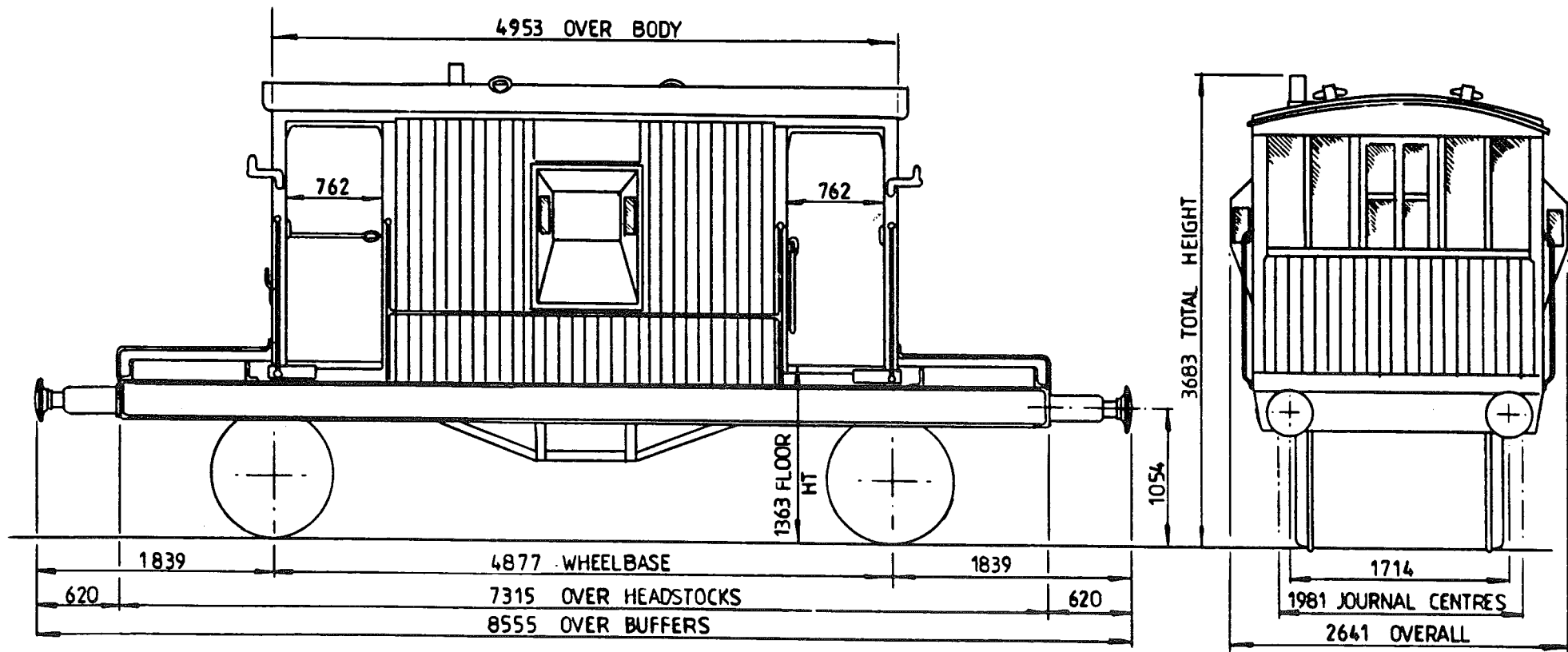
ISSUE 1.

BRAKE VAN

CA006G

LOT NUMBER	
3227	3394

TOPS INFORMATION														
AARKND		OPERATING		OPERATING SPEED				BRAKE FORCE DATA			EXCESS	RA	DESIGN	
CARKND		PANEL No.		60 mile/h UP TO				BRAKED TO TARE			LENGTH	(GLW)	SHEET	
C	A	R	C					20.3 tonne GLW				8.1	1	W1640
				—mile/h ABOVE										



TARE- 20 300 kg
CAPACITY, WEIGHT-
CAPACITY, VOLUME-
MIN. CURVE- 31m
GEN. ARRGT. DRG. NO.- SW/DN/28235

BRAKE- AIR & VACUUM PIPED, HAND SCREW
SUSPENSION- EYE BOLT & AUXILIARY RUBBERS
COUPLINGS- INTERNATIONAL SCREW
BUFFERS- SELF CONTAINED, 330 DIA HEADS
WHEELS- 965 DIA
JOURNALS- 111 DIA ROLLER BEARINGS

ISSUE 1

EX. BR. DIAGRAM 507

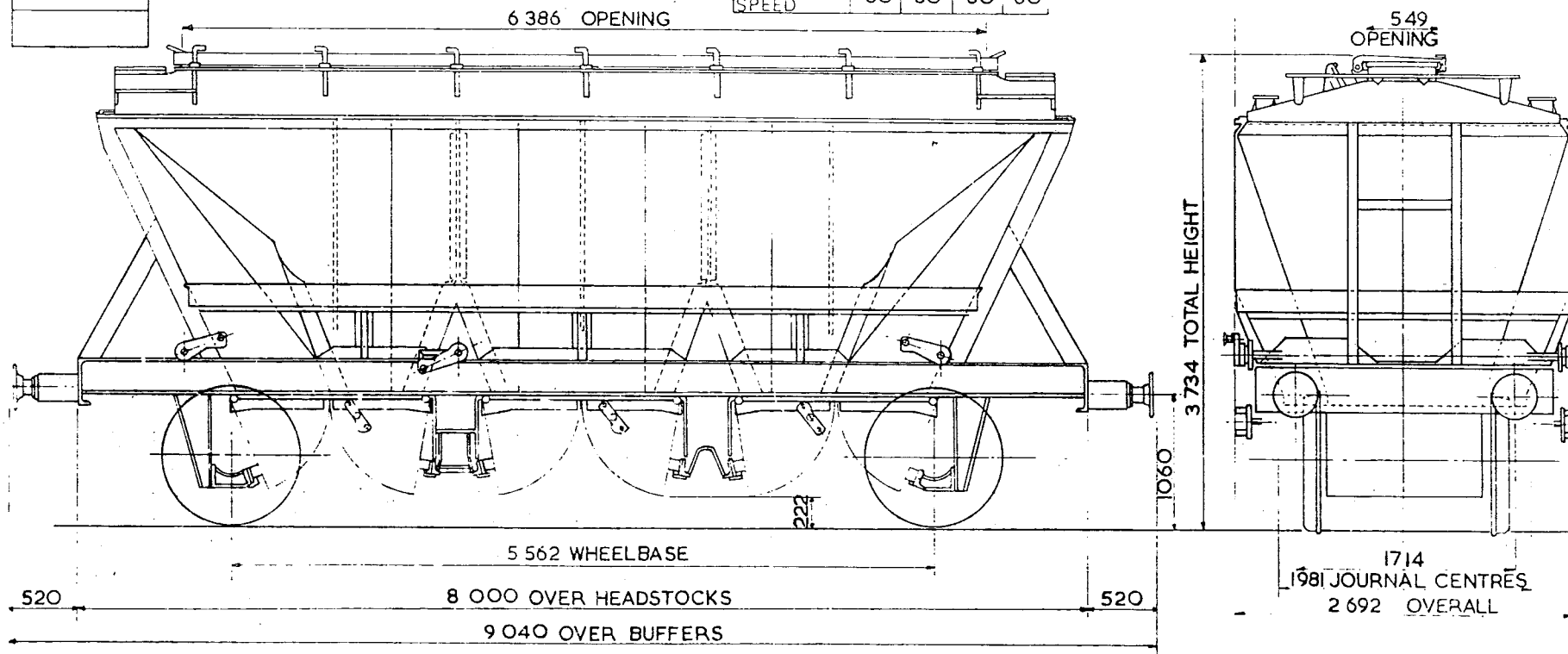
HOPPER LIME WAGON

CB 001A

LOT NUMBER
3680

EXCESS LENGTH	5	H	M	L	E
tonnes	46	34	23	15	
VB					
AB	31	8	8	8	
RA	9	6	3	1	
MAX SPEED	60	60	60	60	

TOPS CODE					
CARKND	AARKND			OPERATING NAME NO.	
C B A C B A C	3	0	0	6	



TARE	14800 kg
CARRYING CAPACITY	31000 kg
CAPACITY	37000 m ³
MAX. SPEED	60 mile/h.
WHEELS	1092 DIA.
JOURNALS	5 1/2 OR 140 DIA. ROLLER BEARINGS

BUFFERS	HYDRAULIC 330 DIA. HEADS.
COUPLINGS	INSTANTER
MIN. CURVE	41m.
GEN. ARRGT DRG. No.	F-AO-15635
BRAKE	AIR DISC & HAND LEVER
SUSPENSION	SINGLE LINK

DOOR - 6 BOTTOM OPENED MANUALLY CLOSED BY HYDRAULIC ACTUATOR.

NOTE
THE PROVISIONS OF B.R. CP/1
APPLY ADDITIONAL TO THE
W5 GAUGE.

ISSUE 3
EX. BR. DIAGRAM 252

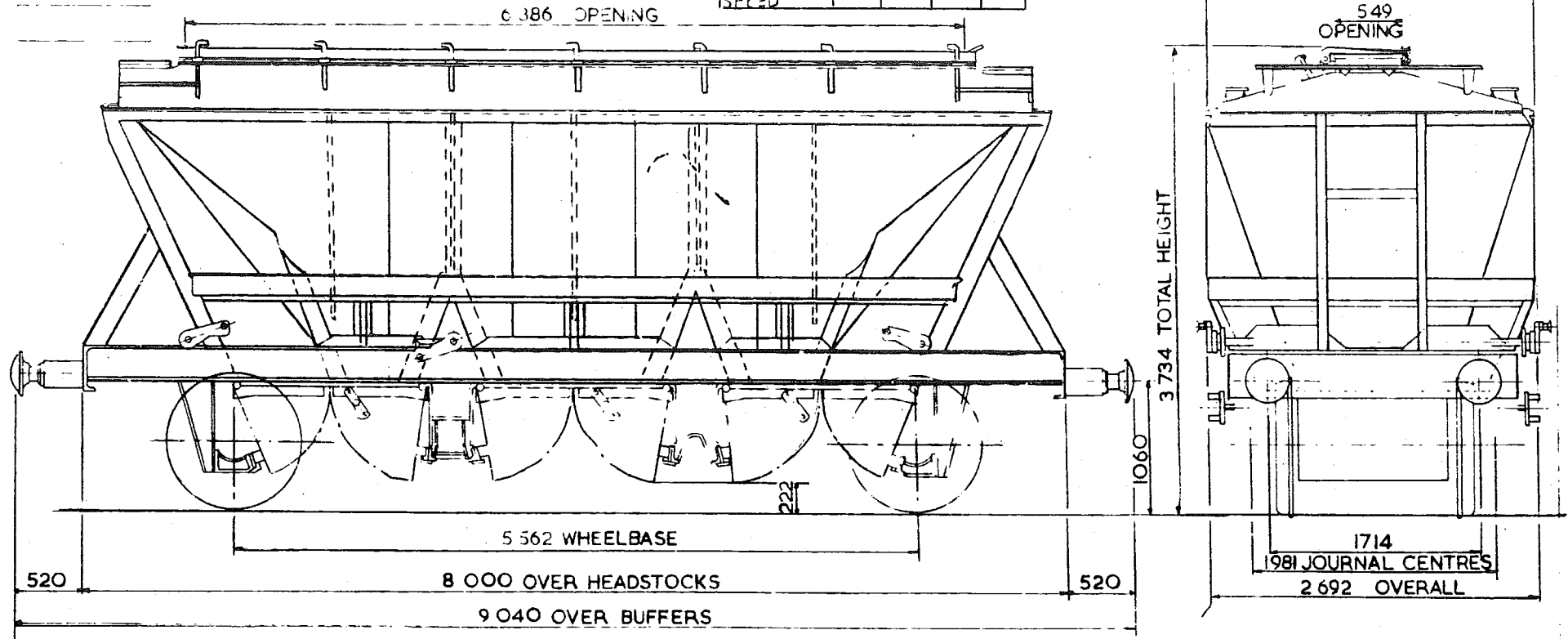
HOPPER LIME WAGON

CB 001B

3922

ACCESS	S	F	M	L	t
tonnes	45	34	23	15	
AB	3	9	8	8	
RA	9	6	3		
MAX SPEED	50	40	50	60	

P L O E									
CAPKID			AD END			O - ADIC			
C	B	A	C	B	A	C	3	0	0
							6		



TARE	14 ⁸⁰⁰ kg
CARRYING CAPACITY	31 ⁰⁰⁰ kg
CAPACITY	37 ⁰⁰⁰ m ³
MAX SPEED	60 mile/h.
WHEELS	1 092 DIA.
JOURNALS	5 1/2 OR 140 DIA. ROLLER BEARINGS

DOORS	HYDRAULIC 330 DIA. HEADS.
COUPLINGS	INSTANTER
MIN CURVE	41m.
GEN APPROX ORG No.	F-AO-15635
BRAKE	AIR DISC & HAND LEVER
SUSPENSION	SINGLE LINK

NOTE
THE PROVISIONS OF B.R. CP/1
APPLY ADDITIONAL TO THE
WS GAUGE.

DOOR - 6 BOTTOM OPENED MANUALLY CLOSED BY HYDRAULIC ACTUATOR.

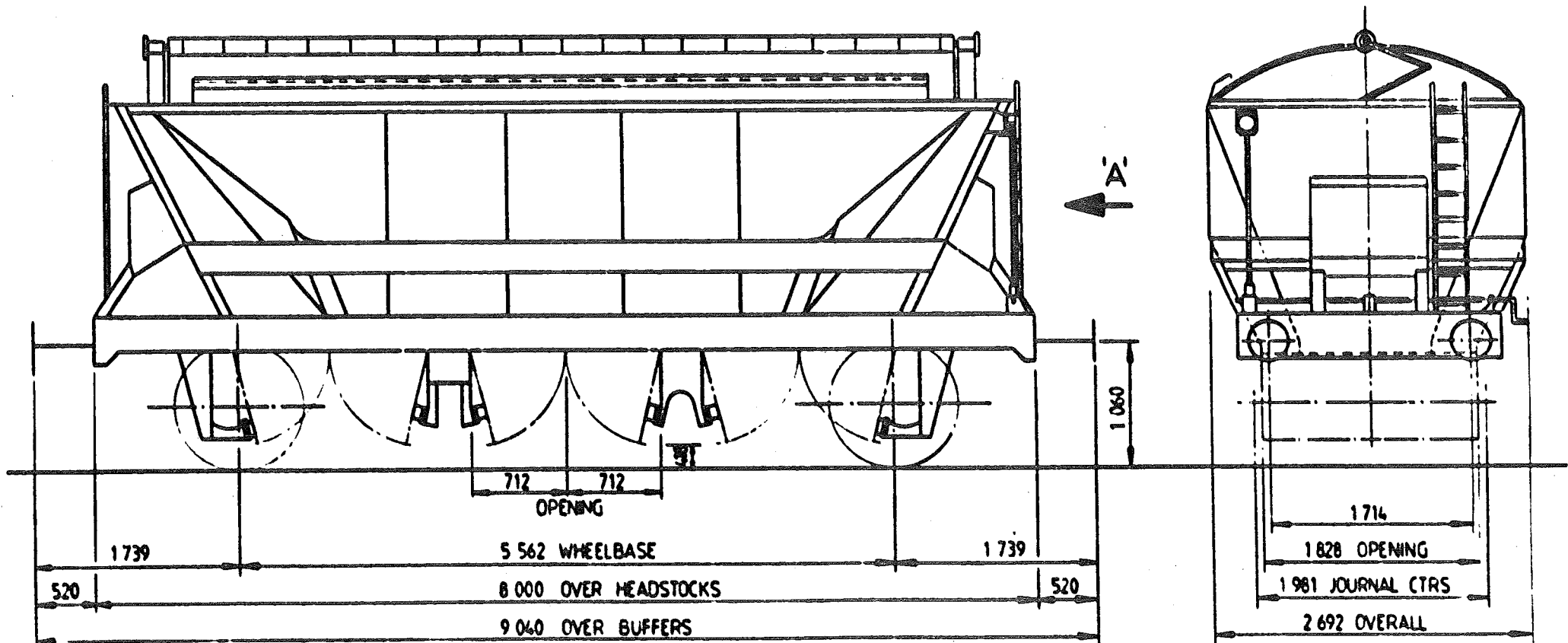
ISSUE 3
EX. BR. DIAGRAM 252

47 tonne G.L.W. HOPPER WAGON - CHINA CLAY
FITTED WITH ROLLER ROOF

CDOO1A

LOT NUMBER	
3646	

TOPS INFORMATION											
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS	RA	DESIGN
CARKND		PANEL No.		60 mile/h UP TO		47 tonne GLW	10+ CONSTANT		LENGTH	(GLW)	SHEET
C	D	A	R						5	9	W1690



TARE-	14 150 kg
CAPACITY, WEIGHT-	32 850 kg
CAPACITY, VOLUME-	
MIN. CURVE-	41m
GEN. ARRGT. DRG. NO.-	DN 31940
	B1-A1-8600999

BRAKE-	AIR, DISC & HAND LEVER
SUSPENSION-	SINGLE LINK WITH 2 STAGE AUXILIARIES
COUPLINGS-	INSTANTER
BUFFERS-	HYDRAULIC 330 DIA. HEADS
WHEELS-	1092 DIA.
JOURNALS-	140 DIA ROLLER BEARINGS

VIEW ON ARROW 'A'

NOTE
THE PROVISIONS OF B.R. CP/1 APPLY
ADDITIONAL TO THE WS GAUGE.

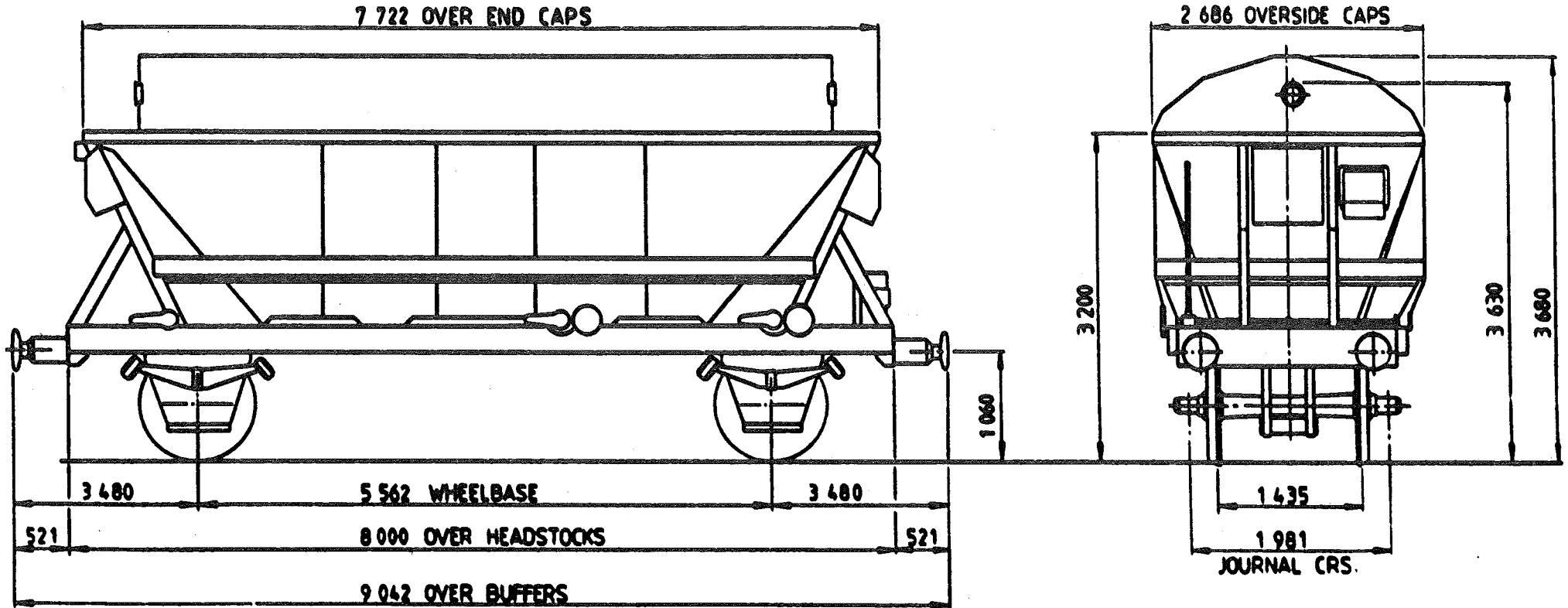
ISSUE 2

471 GLW COVERED CHINA CLAY HOPPER

CD002A

LOT NUMBER	
4062	

TOPS INFORMATION												
AARKND		OPERATING		OPERATING SPEED				BRAKE FORCE DATA		EXCESS	RA	DESIGN
CARKND		PANEL No.		60	mile/h UP TO		15.45 tonne GLW	VARIABLE 1.179 + (0.409 x TONNES)		LENGTH	(GLW)	SHEET
C	D	A	R				45	mile/h ABOVE		5	9	W1851



TARE-	15 450kg
CAPACITY, WEIGHT-	31 550kg
CAPACITY, VOLUME-	
MIN. CURVE-	31m
GEN. ARRGT. DRG. NO.-	

BRAKE-	AIR DISC, DIAGONAL WHEELS
SUSPENSION-	SINGLE LINK WITH EYE BOLT ADJUSTMENT
COUPLINGS-	INSTANTER
BUFFERS-	HYDRAULIC OP200 LW
WHEELS-	1092 DIA.
JOURNALS-	Ø 140 mm

ISSUE 1

EX. BR. DIAGRAM

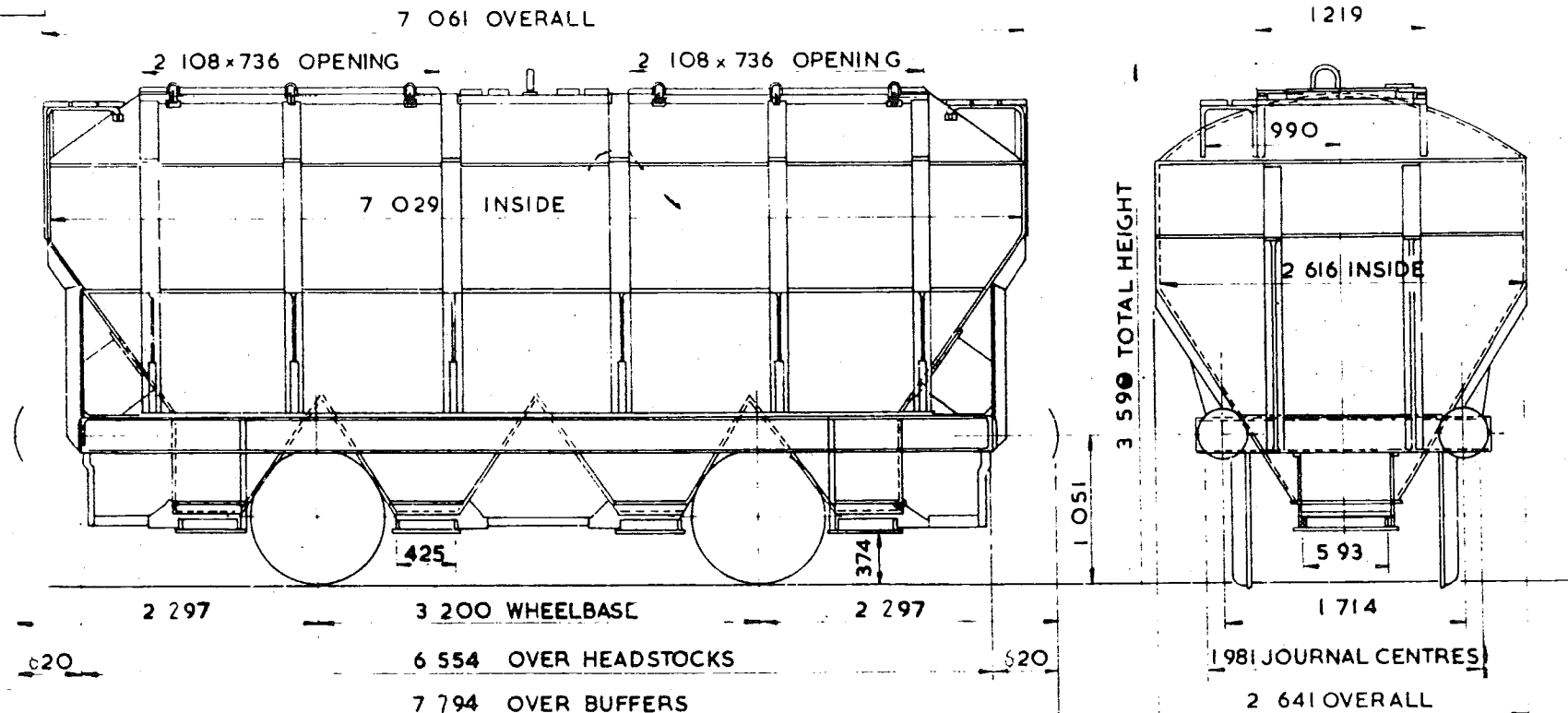
HOPPER WAGON

CHOOIE

LOT NUMBER
PART 3000

EXCESS LENGTH	2	H	M	L	E
tonnes	35	25	17	11	
VB	0	0	0	0	
AB					
RA	4	2	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE			
CARKND	AARKND		
C H P	C H P C		2



TARE	11 800kg
CARRYING CAPACITY-	24 500kg
CAPACITY-	35.142m ³
MAX SPEED -	50mile/h
WHEELS -	952 DIA
JOURNALS -	124 DIA. ROLLER BEARINGS.

BUFFERS -	SPINDLE 403 DIA HEADS
COUPLINGS -	INTERNATIONAL SCREW
MIN CURVE -	21m
GEN. ARRGT. DRG. No.	DE34614.
BRAKE -	VACUUM PIPE, HAND LEVER.
SUSPENSION	SHOE

ISSUE 1

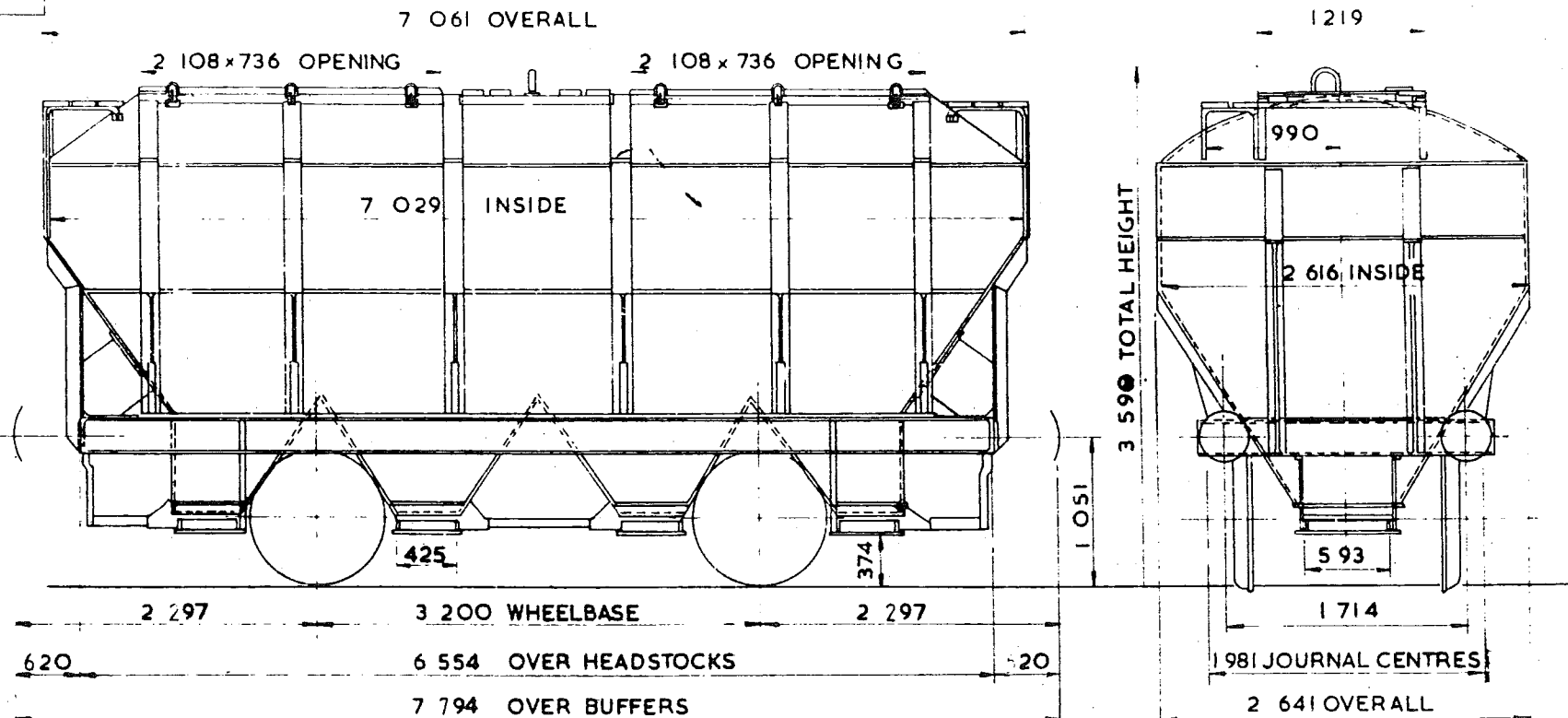
HOPPER WAGON

CHOOIF

LOT NUMBER
PART 3059

EXCESS LENGTH	2	H	M	L	E
tonnes	35	26	17	11	
VB	0	0	0	0	
AB					
RA	4	2	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND		TERRAIN		
C	H	P	C	H	P



TARE -	10 800kg
CARRYING CAPACITY -	24 500kg
CAPACITY -	35.142m ³
MAX. SPEED -	50 mile/h
WHEELS -	952 DIA
JOURNALS -	124 DIA ROLLER BEARINGS.

BUFFERS -	SELF CONTAINED 406 DIA HEADS
COUPLINGS -	INTERNATIONAL SCREW
MIN. CURVE -	21m
GEN ARRGT. DRG. No. -	DE 34614.
BRAKE -	VACUUM PIPE, HAND LEVER.
SUSPENSION -	SHOE

ISSUE 1

EX BR DIAGRAM 210

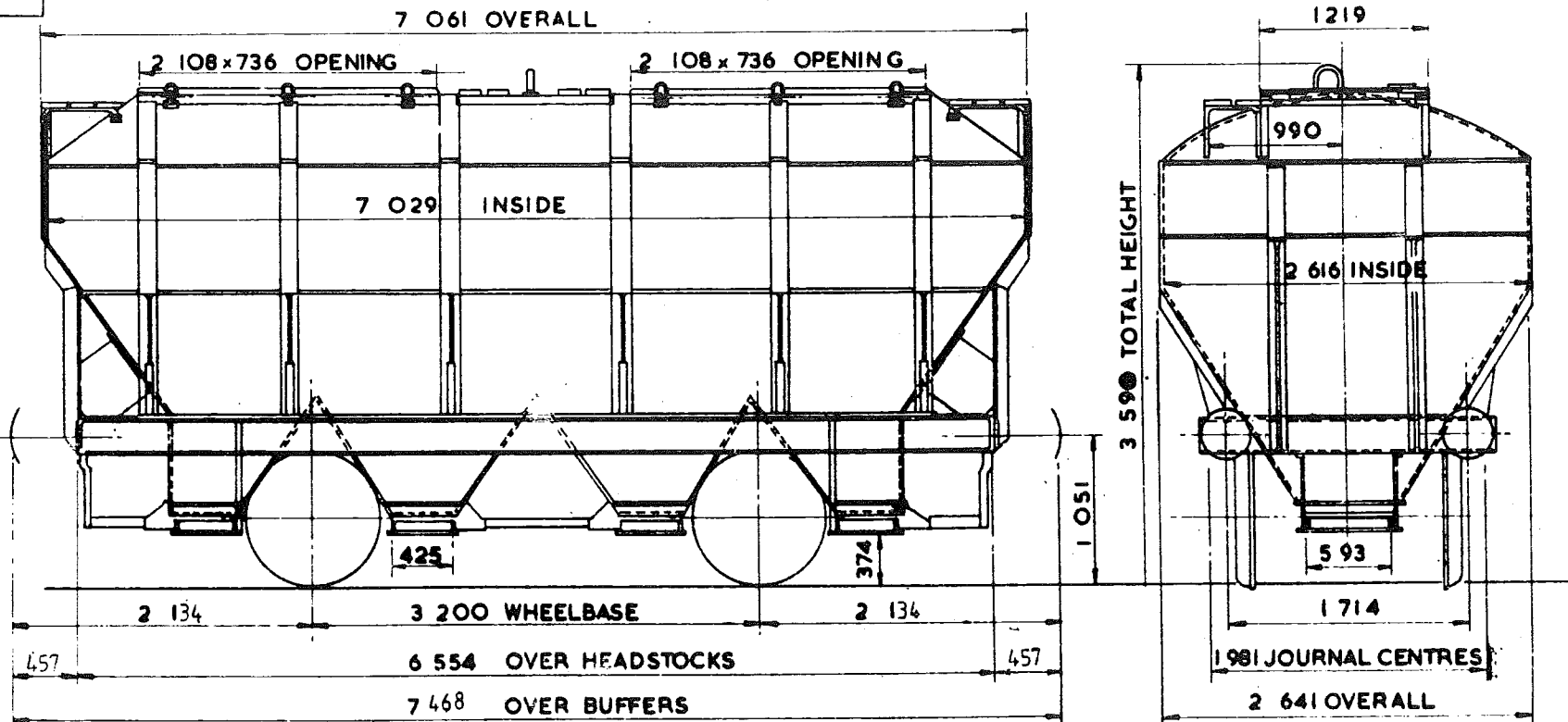
HOPPER WAGON

CHOOIG

LOT NUMBER
PART 3089
3204

EXCESS LENGTH	2	H	M	L	E
tonnes	35	26	17	11	
VB	0	0	0	0	
AB					
RA	4	2	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
C	H	P	C	H	P	C		2	4



TARE -	10 800 kg
CARRYING CAPACITY -	24 500 kg
CAPACITY -	35.142 m ³
MAX. SPEED -	50 mile/h
WHEELS -	952 DIA
JOURNALS -	124 DIA. ROLLER BEARINGS.

BUFFERS -	SELF CONTAINED 406 DIA HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	21m
GEN. ARRGT. DRG. No. -	DE 34614.
BRAKE -	VACUUM PIPE, HAND LEVER.
SUSPENSION -	SHOE

ISSUE 1

EX BR DIAGRAM 210

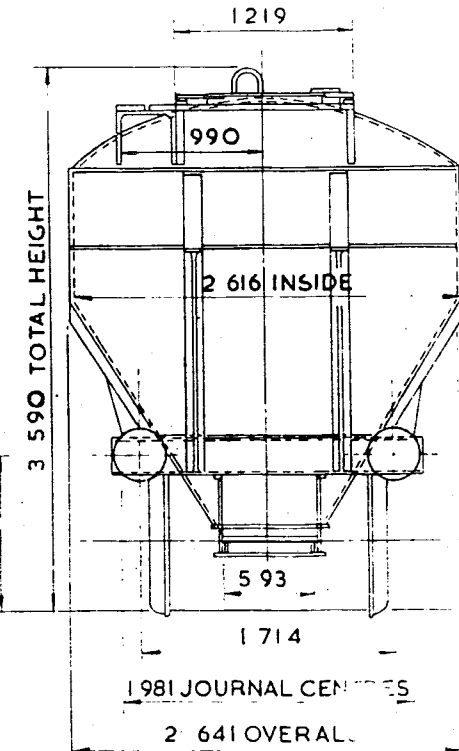
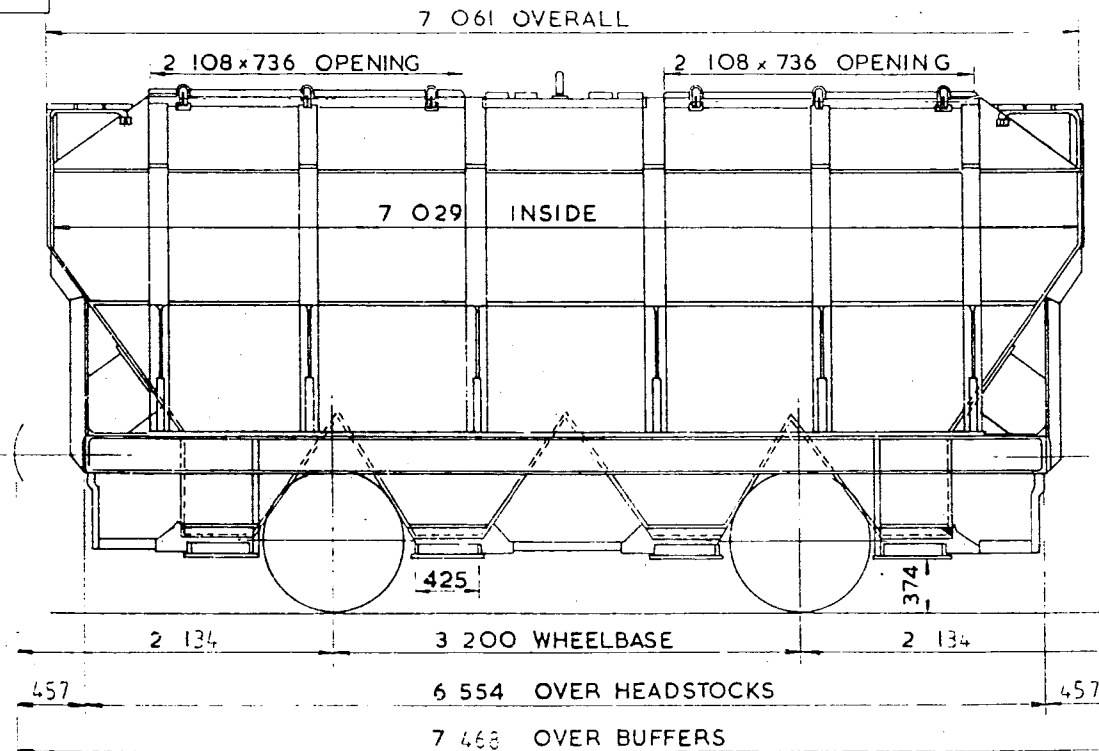
HOPPER WAGON

CHOOIJ

LOT NUMBER
PART 3289

EXCESS LENGTH	2	H	M	L	E
tonnes	35	26	17	11	
VB	0	0	0	0	
AB					
RA	4	2	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING DATE			
C	H	P	C	H	P



TARE -	10 800kg
CARRYING CAPACITY-	24 500kg
CAPACITY-	35.142m ³
MAX SPEED -	50mile/h
WHEELS -	952 DIA
JOURNALS -	124 DIA. ROLLER BEARINGS.

BUFFERS -	SPINDLE 406 DIA HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	21m
GEN. ARRGT. DRG. No. -	DE34614.
BRAKE -	VACUUM PIPE, HAND LEVER.
SUSPENSION -	SHOE

ISSUE 1

EX BR DIAGRAM 210

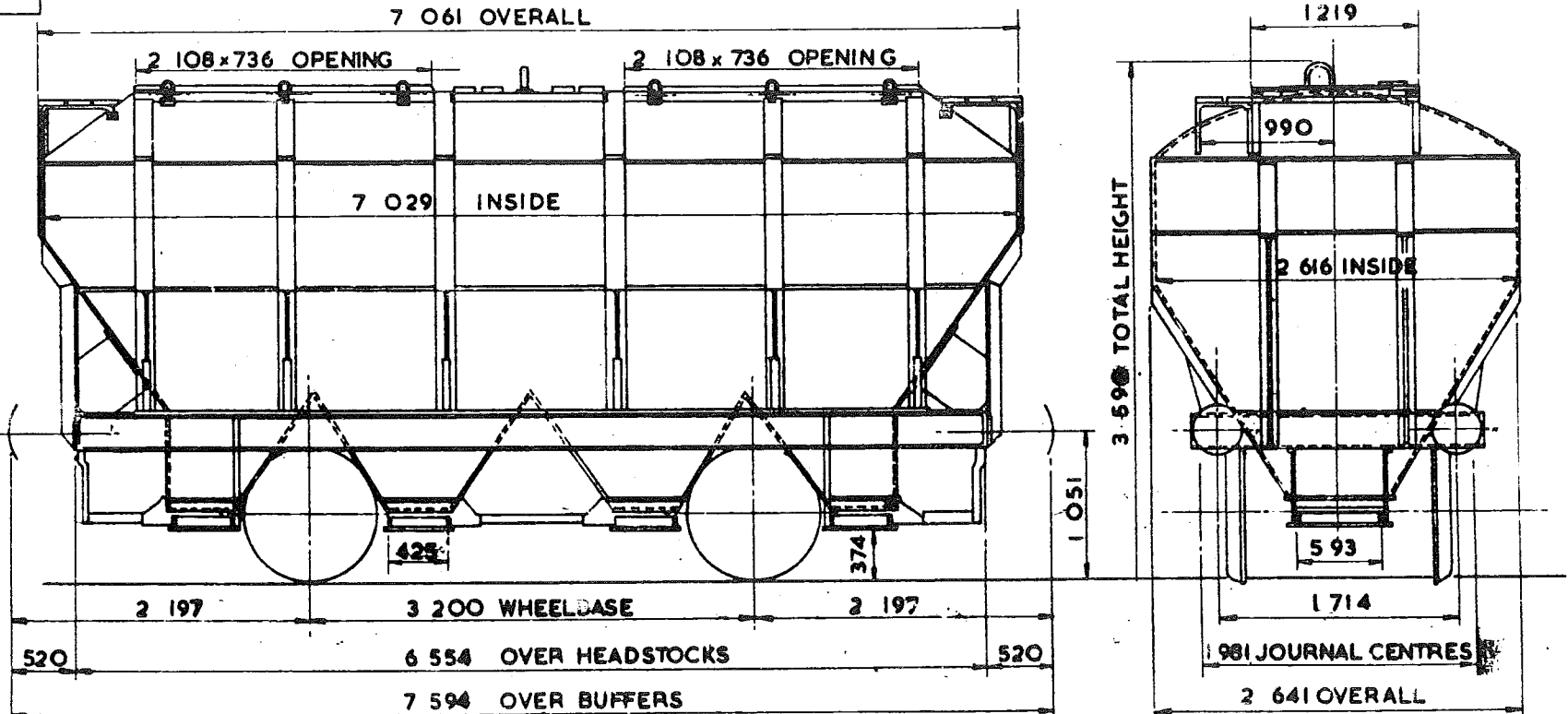
HOPPER WAGON

CHOOIL

LOT NUMBER
PART 3393
PART 3431

EXCESS LENGTH	2	H	M	L	E
tonnes		36	27	18	12
VB		10	10	5	5
AB					
RA		4	2	1	1
MAX. SPEED		50	50	50	50

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
C	H	V	C	H	V	C	2	7	8



TARE -	12300kg
CARRYING CAPACITY -	24500kg
CAPACITY -	33.142m ³
MAX. SPEED -	50mile/h
WHEELS -	952 DIA
JOURNALS -	124 DIA. ROLLER BEARINGS.

BUFFERS -	HYDRAULIC 457 DIA HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	21m
GEN. ARRGT. DRG. No. -	DE 34614. DE 11589
BRAKE -	VACUUM DISC, HAND LEVER.
SUSPENSION -	SHOE

EX BR DIAGRAM 210

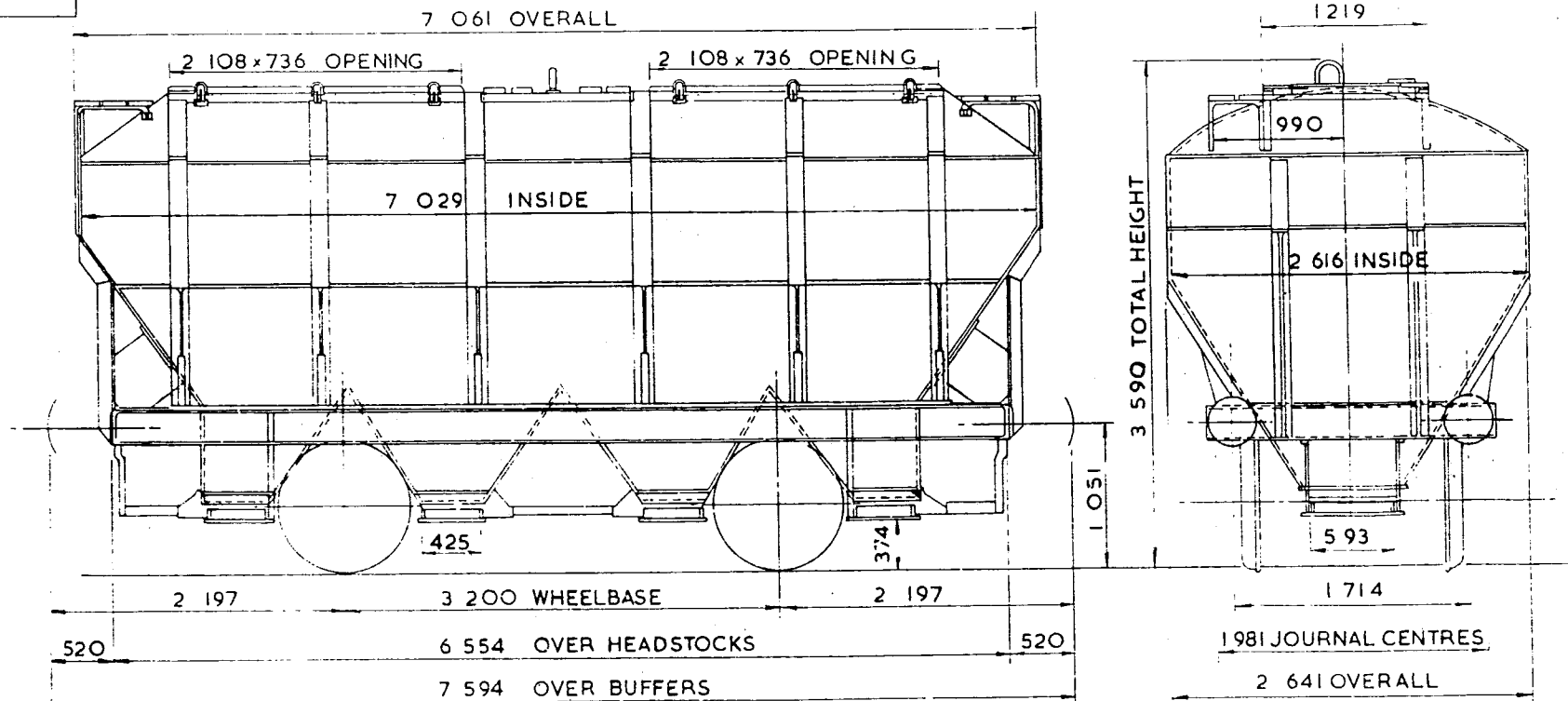
HOPPER WAGON

CHOOI M

LOT NUMBER
PART 3215

EXCESS LENGTH	2	H	M	L	E
tonnes	35	26	17	11	
VB	0	0	0	0	
AB					
RA	4	2	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND				
C	H	P	C	H	P



TARE -	12 300 kg
CARRYING CAPACITY -	24 500 kg
CAPACITY -	35.142 m ³
MAX SPEED	50 mile/h
WHEELS	952 DIA
JOURNALS	124 DIA ROLLER BEARINGS.

BUFFERS -	HYDRAULIC 457 DIA HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	21m
GEN. ARRGT DRG. No. -	DE 34614. DE 11589
BRAKE -	VACUUM PIPE, HAND LEVER.
SUSPENSION -	SHOE

ISSUE 2

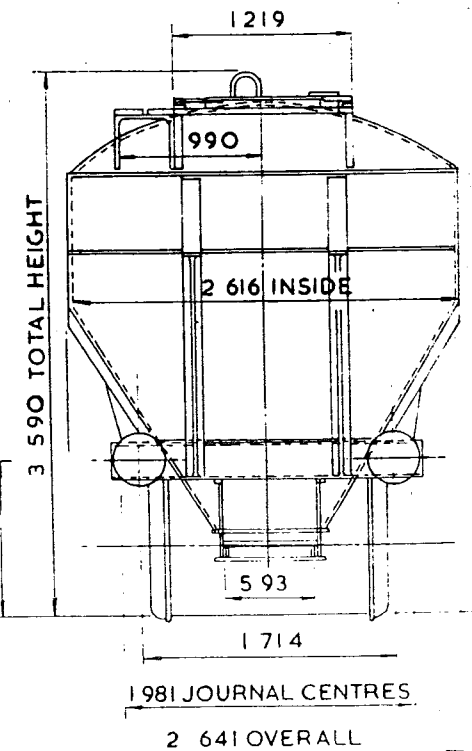
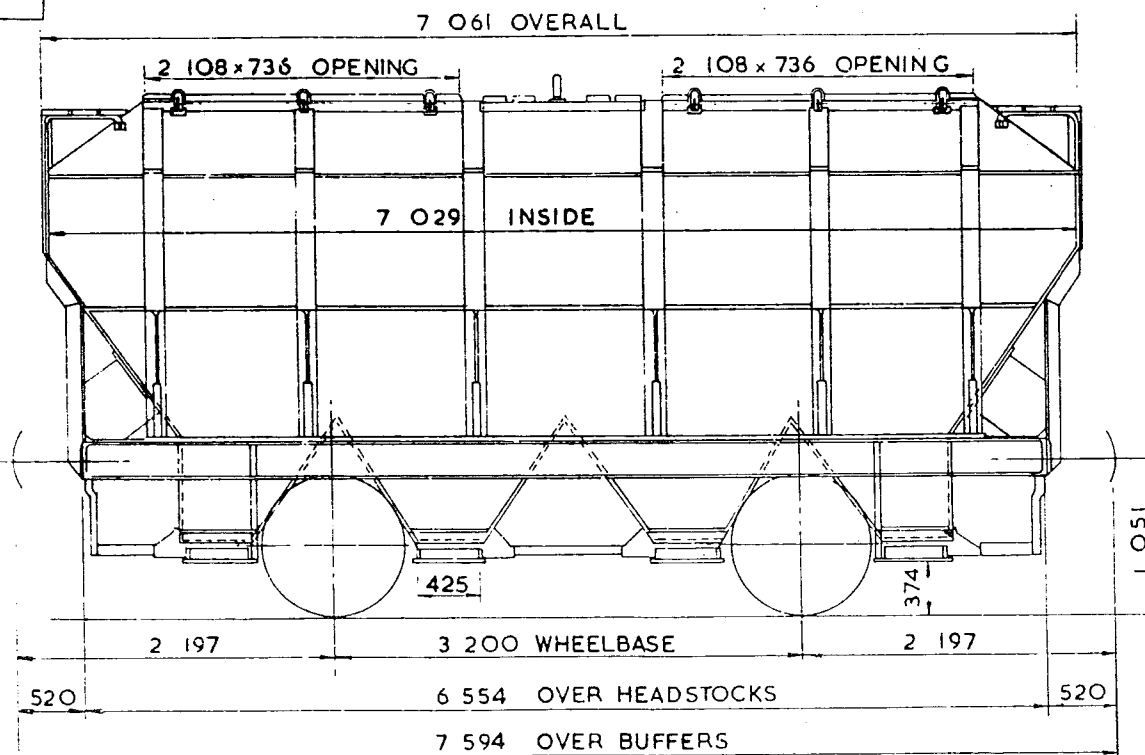
EX BR DIAGRAM 210

CHOOI N

LOT NUMBER
PART 3393
PART 3431

EXCESS LENGTH	H	M	L	E
tonnes	35	26	17	11
VB	0	0	0	0
AB				
RA	4	2	1	1
MAX SPEED	50	50	50	50

TOPS CODE									
CARKND			AARKND				OPERATING PAGE NO.		
C	H	P	C	H	F	C		2	4



TARE	12 ³⁰⁰ kg
CARRYING CAPACITY-	24 ⁵⁰⁰ kg
CAPACITY-	35.142 m ³
MAX SPEED	50 mile/h
WHEELS	952 DIA
JOURNALS	124 DIA ROLLER BEARINGS.

BUFFERS	HYDRAULIC 457 DIA HEADS
COUPLINGS	INSTANTER
MIN CURVE	21m
GEN ARRGT DRG. No	DE 34614.DE 11589
BRAKE -	VACUUM PIPE ,HAND LEVER.
SUSPENSION	SHOE

ISSUE 2

FLY ASH WAGON

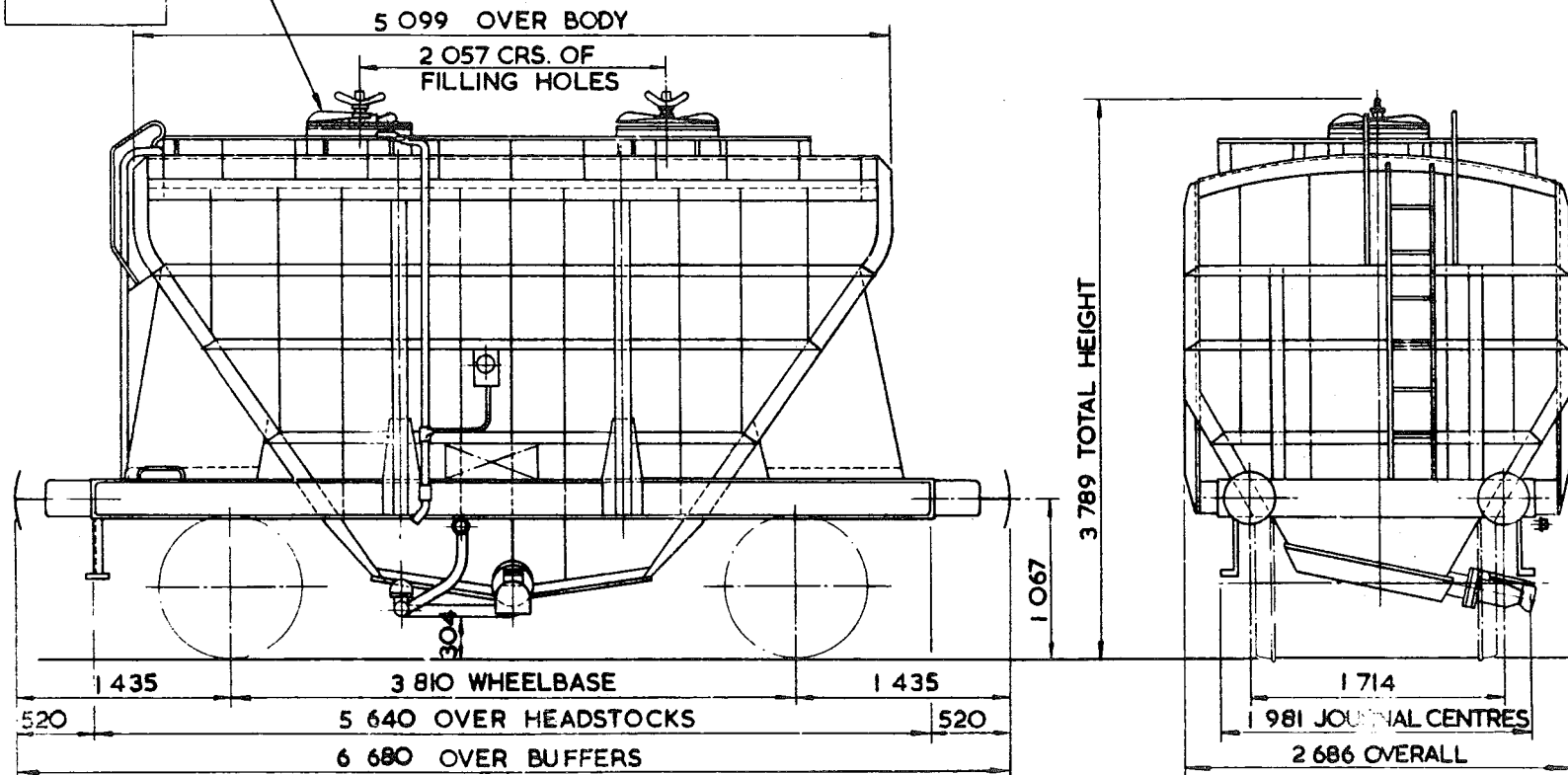
C\$002B

LOT NUMBER
3531

457 DIA. FILLING HOLES

EXCESS LENGTH I	H	M	L	E
tonnes	36	28	20	15
VB				
AB	16	5	5	5
RA	5	2	1	1
MAX SPEED	55	55	55	55

TOPS CODE									
CARKND				AARKND			OPERATING PANEL No		
C	\$	A	C	\$	A	D	1	7	6



TARE - 14 450 kg.
CARRYING CAPACITY - 21 500 kg.
CAPACITY 21,521 m ³
MAX. SPEED - 55 mile/h.
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - HYDRAULIC 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26 m.
GEN. ARRGT. DRG. No. - DN 333580
BRAKE - AIR DISC & HAND LEVER
SUSPENSION - SHOE

ISSUE 2.

EX. BR. DIAGRAM 1/280.

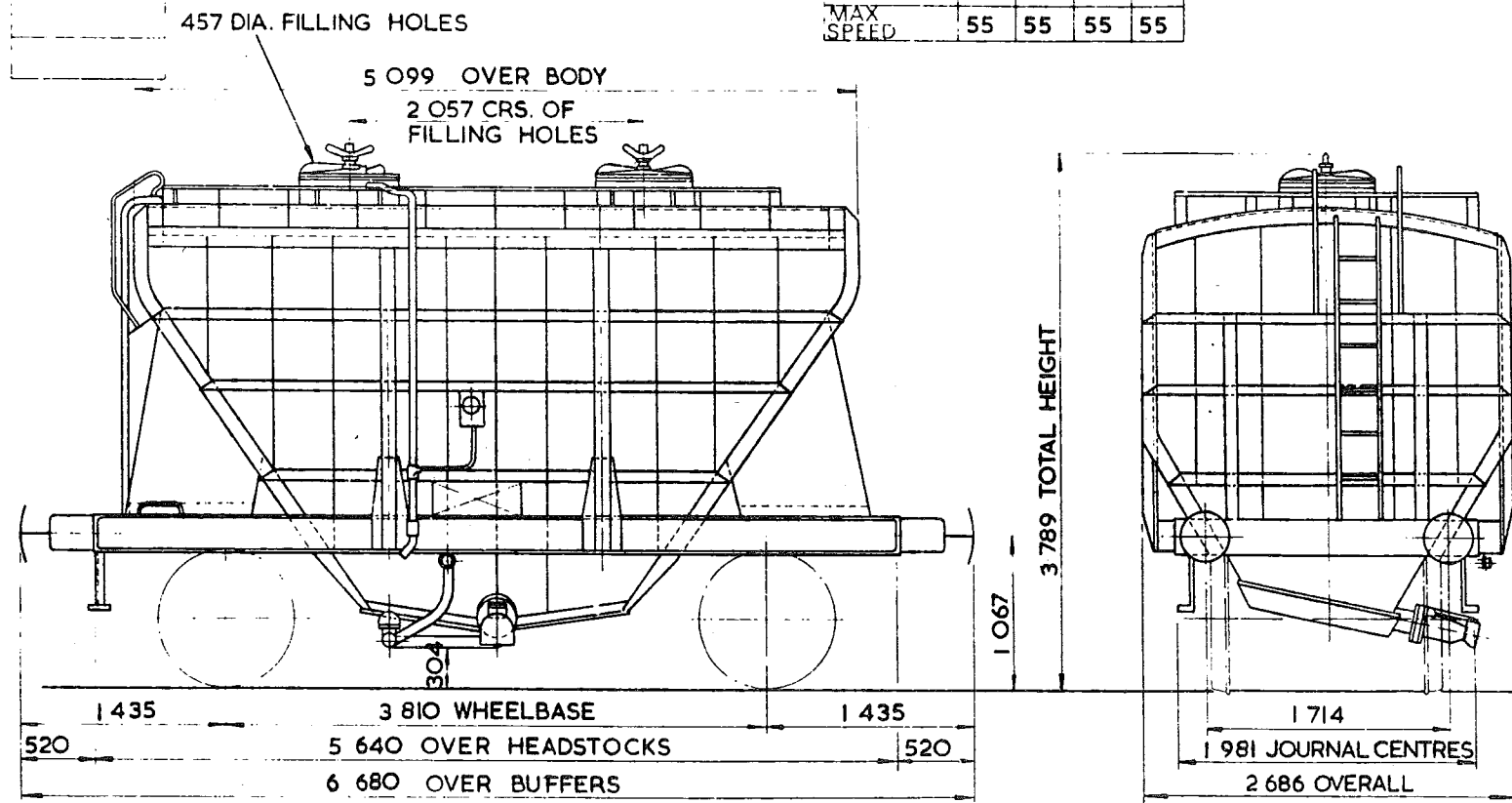
FLY ASH WAGON

C\$002C

LOT NUMBER
3663

EXCESS LENGTH	I	H	M	L	E
tonnes	36	28	20	15	
VB					
AB	16	5	5	5	
RA	5	2	1	1	
MAX SPEED	55	55	55	55	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL N.			
C	\$	A	C	\$	A	D	1	7	6



TARE	14 450 kg.
CARRYING CAPACITY	21 500 kg.
CAPACITY	21.521m ³
MAX SPEED	55 mile/h.
WHEELS	952 DIA.
JOURNALS	124 DIA. ROLLER BEARINGS

BUFFERS	HYDRAULIC 406 DIA. HEADS
COUPLINGS	INSTANTER
MIN. CURVE	26 m.
GEN. ARRGT. DRG No.	DN 333580
BRAKE	AIR DISC & HAND LEVER
SUSPENSION	SHOE

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EX. BR. DIAGRAM 1/282.