

MECHANICAL ELECTRICAL
ENGINEERING
BRITISH RAILWAYS BOARD · HEADQUARTERS

VEHICLE DIAGRAM BOOK NO:320
FOR
B.R. REVENUE FREIGHT VEHICLES

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(PART 3)

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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 (OA - RS)
(Part 3)

Revision 8

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

OJ002B	RF006A
OJ002C	RF008A
OJ002E	RF010A
OJ002F	RF010B
OO001B	RF011A
OO002C	RF012A
OO002D	RH002A
OU001A	RR001A
RB034A	RR001E
RB037A	RR001G
RB039A	RR003C
RB041A	RR036A
RF001A	RR041A
RF002A	RS001A
RF004B	RS002A
RF005A	

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 (OA - RR)
(Part 3)

Revision 7

<u>DESIGN CODE</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
OT002A	insert	first issue
OT002B	insert	first issue
OT002C	insert	first issue
OT002D	insert	first issue
OT002E	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

(OA - RR)

<u>DIAGRAM NO.</u>	<u>DESCRIPTION</u>	<u>LOT NUMBER</u>
OT002A	41t Open timber wagon	
OT002B	41t Open timber wagon	
OT002C	41t Open timber wagon	
OT002D	41t Open timber wagon	
OT002E	41t Open timber wagon	

VEHICLE DIAGRAM BOOK NO 320

B.R. Revenue freight vehicles (OA - RS)

(Part 3)

Revision **C**

<u>DESIGN CODE</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
OB001C	Remove issue 1 & insert issue 2	Amendment
OB001E	Insert	First issue
OD001A	Remove issue 1 & insert issue 2	Amendment
OT002F	Insert	First issue
RD001A	Insert	First issue
RE001A	Insert	First issue
RF003B	Insert	First issue
RF013A	Insert	First issue
RG001A	Insert	First issue
RH002A	Insert	First issue
RR045A	Insert	First issue
RS001A	Insert	First issue
RS002A	Insert	First issue
RS003A	Insert	First issue
RS004A	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:

DM & EE
RTC.
DERBY.

ADDITION TO B.R. REVENUE INDEX

(OA - RS)

<u>DIAGRAM NO</u>	<u>DESCRIPTION</u>	<u>LOT NUMBER</u>
OB001C	46t Open wagon	3930
OB001E	46t Open wagon	3930
OD001A	21t Open wagon (MoD)	4030
OT002F	41t Open timber wagon	3855
RD001A	19.6t Sheet wagon	3086
RE001A	17.6t Match wagon	4041
RF003B	20.3t Match wagon	1471 1517 1518
RF013A	17.6t Adaptor wagon (LTE stock)	4041
RG001A	8.9t Match wagon	3243
RH002A	8.9t Match wagon	3243
RR045A	19.5t Runner wagon	3961
RS001A	17.6t Reach wagon	4041
RS002A	14.9t Reach wagon	3472
RS003A	9.8t Reach wagon	2327 2476 2604
RS004A	15.5t Reach wagon	1273

VEHICLE DIAGRAM BOOK NO. 320

B.R. Revenue freight vehicles (OA - RR)
(Part 3)

Revision 4

<u>DESIGN CODE</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
OE001A	remove issue 1 & insert issue 2	amendment

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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Diagram	Description		Lot Numbers
0A001A	45t	GLW OPEN WGN	3727
0A001B	45t	GLW OPEN WGN	3727
0B001C	46t	GLW OPEN WGN (WITH TURNOVER BOLSTER)	3909, 3930.
0B001D	46t	GLW OPEN WGN (WITH TURNOVER BOLSTER)	3930
0C001A	46t	GLW OPEN WGN (WITH TURNOVER BOLSTER)	4014
0D001A	21t	GLW OPEN WGN (MOD)	4030
0E001A	46t	GLW HOODED OPEN WGN	3930
0J002B	32.5t	GLW OPEN HIGH WGN	2579, 2851.
0J002C	33t	GLW OPEN HIGH WGN	2579, 2851.
0J002E	32.5t	GLW OPEN HIGH WGN	2579, 2851.
0J002F	33t	GLW OPEN HIGH WGN	2851
00001B	20t	GLW OPEN CLAY WGN	2974, 3098, 3195, 3296.
00002A	20t	GLW OPEN CLAY WGN	2590, 2697, 2871.
00002B	20t	GLW OPEN CLAY WGN	2974, 3098, 3195, 3296.
00002C	20t	GLW OPEN CLAY WGN	2871
00002D	20t	GLW OPEN CLAY WGN	3296
0T001A	46t	TIMBER WGN	4014
0T001B	46t	TIMBER WGN	4014
0T001C	46t	TIMBER WGN	4014
0U001A	33t	GLW SHOCHOOD WGN	3429

Diagram	Description	Lot Numbers
RB034A	BARRIER WGN	3413, 3472.
RB034B	BARRIER WGN	3472
RB037A	BARRIER WGN	3569
RB039A	BARRIER WGN	2848, 3022.
RB041A	BARRIER WGN	3887
RF001A	ADAPTOR WGN	3243
RF002A	ADAPTOR WGN	3227
RF002B	ADAPTOR WGN	3227
RF003A	ADAPTOR WGN	1471, 1517, 1518.
RF004B	ADAPTOR WGN	2551
RF005A	ADAPTOR WGN	1458
RF006A	ADAPTOR WGN	1322
RF008A	ADAPTOR WAGON	2479
RF0010A	ADAPTOR WGN	-
RF0010B	ADAPTOR WAGON	-
RF0011A	ADAPTOR WGN	2197, 2361

Diagram	Description	Lot Numbers
RF0012A	ADAPTOR WGN	2319, 2367, 2470.
RR001C	RUNNER WGN	2734, 2862.
RR001E	RUNNER WGN	3223, 3338.
RG001G	RUNNER WGN	3223, 3338.
RR003C	RUNNER WGN	2199, 2476, 2604.
RR034A	RUNNER WGN	3728
RR034B	RUNNER WGN	3728
RR035A	RUNNER WGN	3728
RR036A	RUNNER WGN	2770, 2850.
RR039A	RUNNER WGN	3579, 3586.
RR041A	RUNNER WGN	3229
RR043A	RUNNER WGN	3472

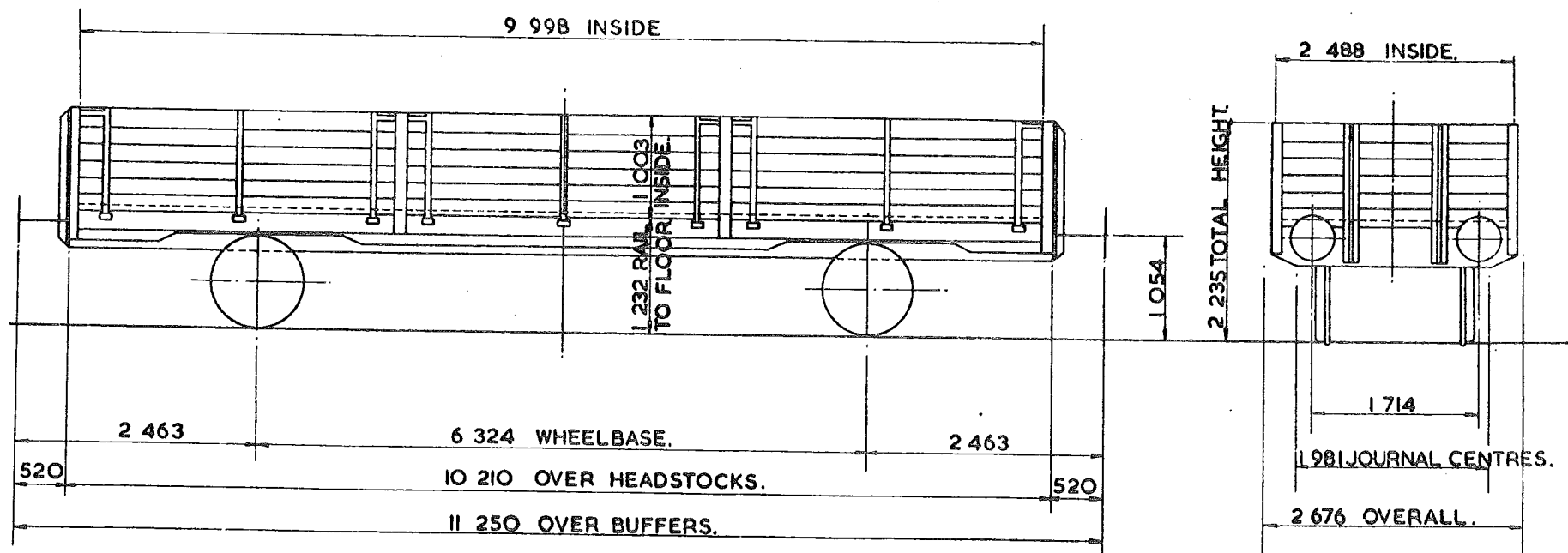
OPEN GOODS WAGON-AB (46 tonnes G.L.W.)

ØA0001 A.

LOT NUMBER
3727

EXCESS LENGTH	H	M	L	E
tonnes.	42	40	25	14
VB				
AB	27	27	17	12
RA	8	6	1	1
MAX. SPEED	60	75	75	75

TOPS CODE											
CARKND				AARKND							
Ø	A	A	Ø	A	A	C	3	Ø	2	3	



CARRYING CAPACITY -	14050kg.
CAPACITY -	32000kg AT 60 mile/h 27000kg AT 75 mile/h
	24.960m ³
	75 mile/h.
	952 DIA.
	140 DIA. ROLLER BEARINGS.

BUFFERS -	HYDRAULIC 457 DIA. HEADS
COUPLINGS -	B.R. SCREW.
MIN CURV. -	50m CLOSE COUPLED 41m SINGLE
GEAR ARRGL. DRG No. -	F-S-3329 & F-S-3094 U/F
BRAKE -	AIR DISC & HAND LEVER.
SUSPENSION -	LONG LINK.

ISSUE 3.

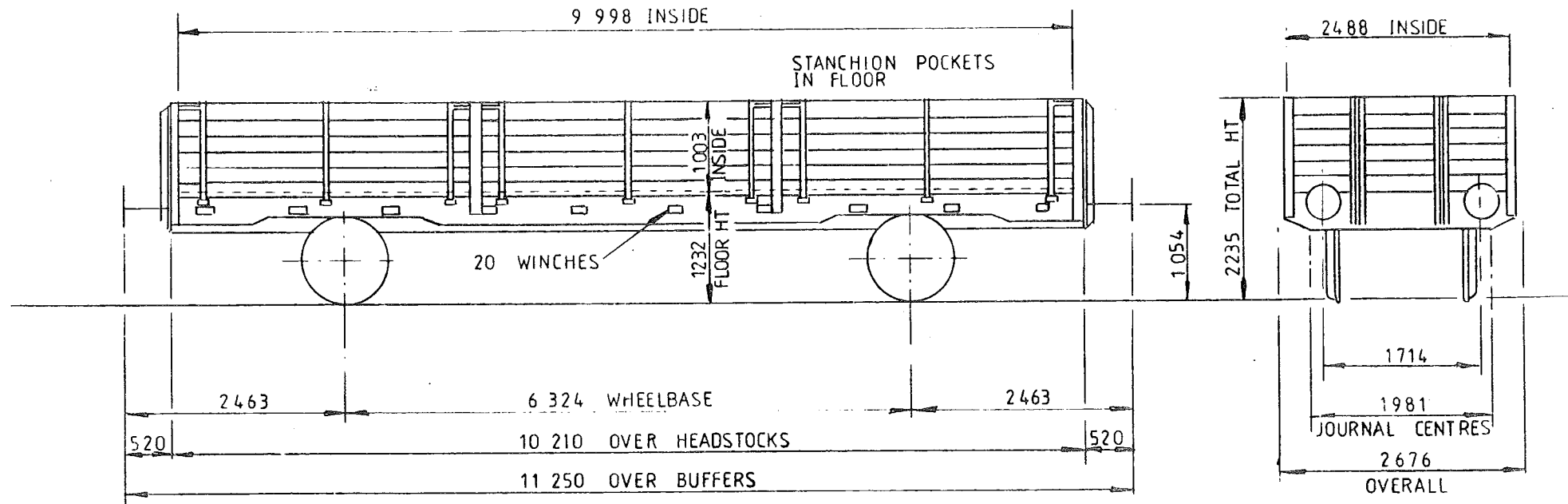
EX.B.R. DIAGRAM 1/191.

45t GLW OPEN WAGON (TILES)

CA001B

LOT NUMBER	
3727	

TOPS INFORMATION															
AARKND			OPERATING			OPERATING SPEED			BRAKE FORCE DATA			EXCESS LENGTH	RA (GLW)	DESIGN SHEET	
CARKND			PANEL No.			75 mile/h UP TO 40 tonne GLW			4.5 + (0.5 x t)						
0	A	A	3	0	2	3	60 mile/h ABOVE						8	8	W 1424



TARE-	15 000 kg
CAPACITY, WEIGHT-	30 000 kg
CAPACITY, VOLUME-	24.9 m ³
MIN. CURVE-	50m CLOSE, 41m SINGLE
GEN. ARRGT. DRG. NO.-	F.S.3329 F.S.3094 U/F

BRAKE-	AIR DISC HAND LEVER
SUSPENSION-	LONG LINK
COUPLINGS-	BR SCREW
BUFFERS-	HYDRAULIC 457 DIA HEADS
WHEELS-	952 DIA
JOURNALS-	140 DIA ROLLER BEARINGS

ISSUE 1

EX. BR. DIAGRAM 1/191

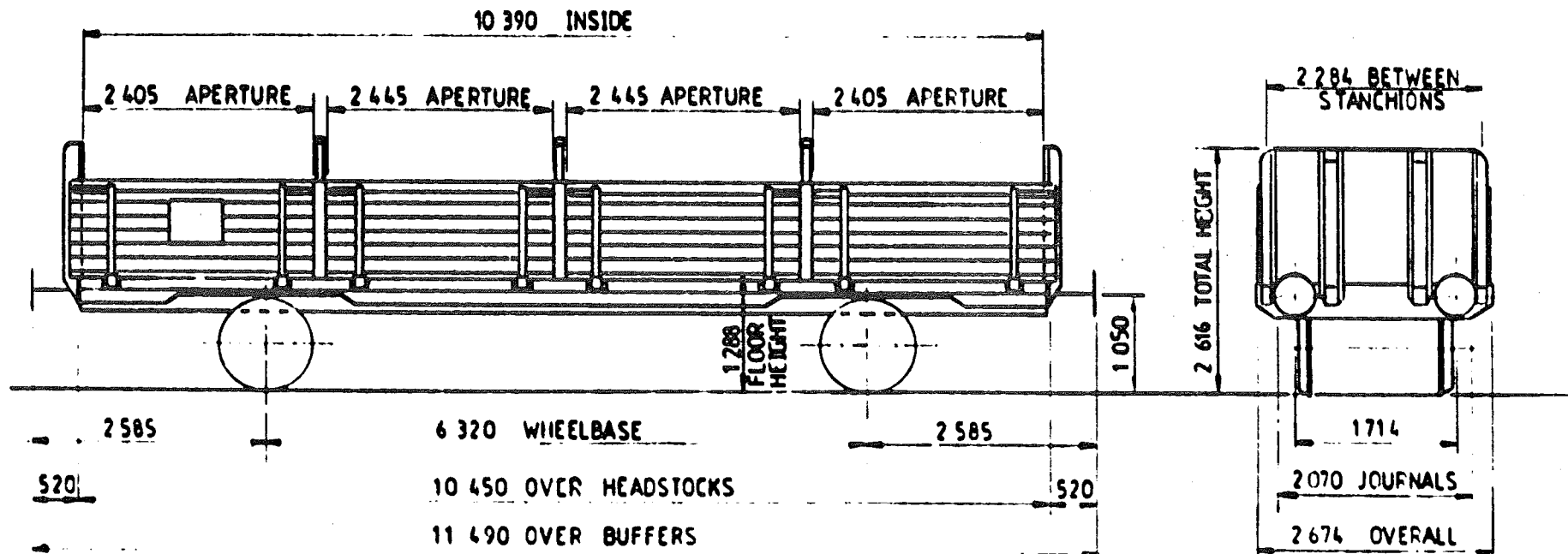
46 tonne G.L.W. OPEN WAGON

OB001C

LOT NUMBER
PART 3930

EXCESS LENGTH 0	H	M	L	E
tonnes	42	40	25	14
VS				
AB	24	18	11	7
RA	8	6	1	1
MAX SPEED	60	75	75	75

TOPS CODE									
CARKND				AARKND			OPERATING PANEL No		
0	B	A	0	B	A	M	3	0	2



TARE - 14 850 Kg
CARRYING CAPACITY - 31 000 Kg
CAPACITY - 22.639 m ³
MAX SPEED - 60 mile/h at 46t GLW
75 mile/h at 41t GLW
WHEELS - ϕ 952
JOURNALS - ϕ 160 ROLLER BEARINGS

BUFFERS SELF CONTAINED, ϕ 457 HEADS
COUPLINGS - B.R. SCREW.
MIN. CURVE - 55m CLOSE COUPLED
41m SINGLE
GEN ARRG'T. DRG No. - F-3-13931
BRAKE - AIR DISC, HAND LEVER
SUSPENSION - B.R. FRICTION LINK

Issue 2

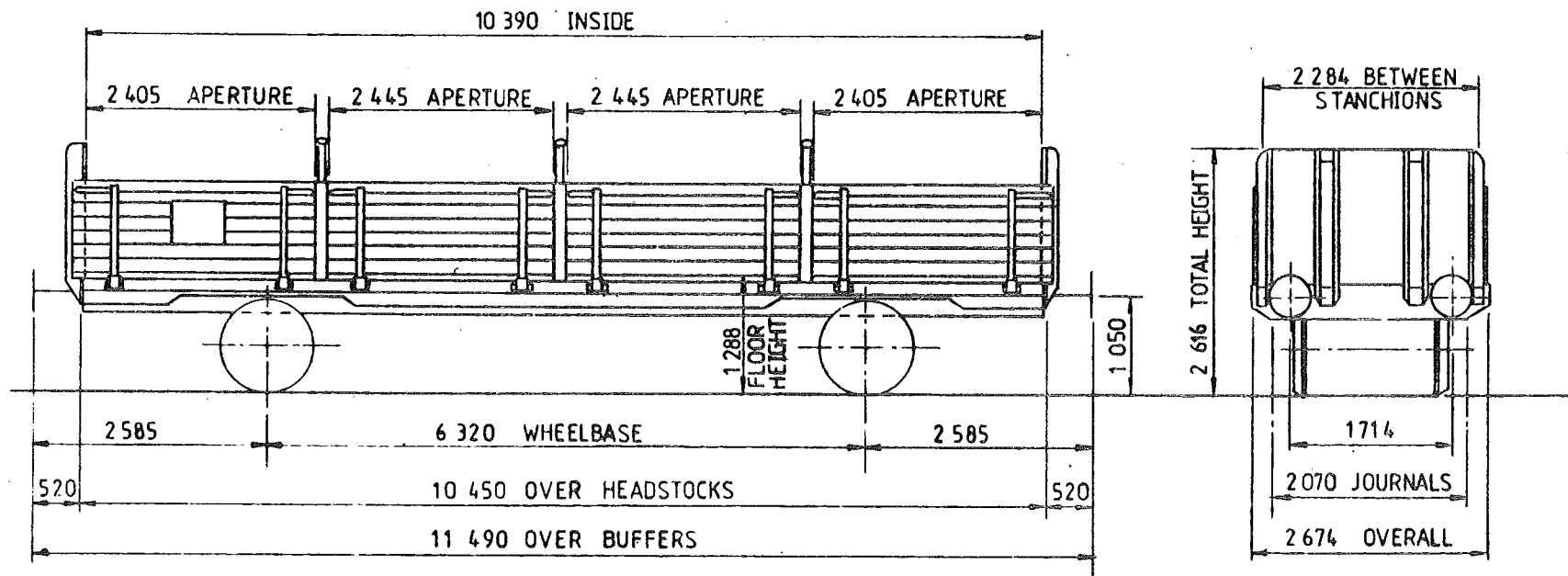
46 tonne G.L.W. OPEN WAGON (H.S.T. SPARES)

0B001D

LOT NUMBER
PART 3930

EXCESS LENGTH 0	H	M	L	E
tonnes	42	40	25	14
VB				
AB	24	18	11	7
RA	8	6	1	1
MAX. SPEED	60	75	75	75

TOPS CODE									
CARKND				AARKND				OPERATING PANEL No	
0	B	A	0	B	A	M	3	0	2



TARE - 14 850 Kg
CARRYING CAPACITY - 31 000 Kg
CAPACITY - 22.639 m ³
MAX. SPEED - 60 mile/h at 46t. G.L.W.
75 mile/h at 41t G.L.W.
WHEELS - ϕ 952
JOURNALS - ϕ 140 ROLLER BEARINGS

BUFFERS - SELF CONTAINED, ϕ 457 HEADS.
COUPLINGS - B.R. SCREW.
MIN. CURVE - 50m CLOSE COUPLED.
41m SINGLE
GEN. ARRGT. DRG. No. - F-S-13323.
BRAKE - AIR DISC, HAND LEVER.
SUSPENSION - B.R. FRICTION LINK

Issue 1

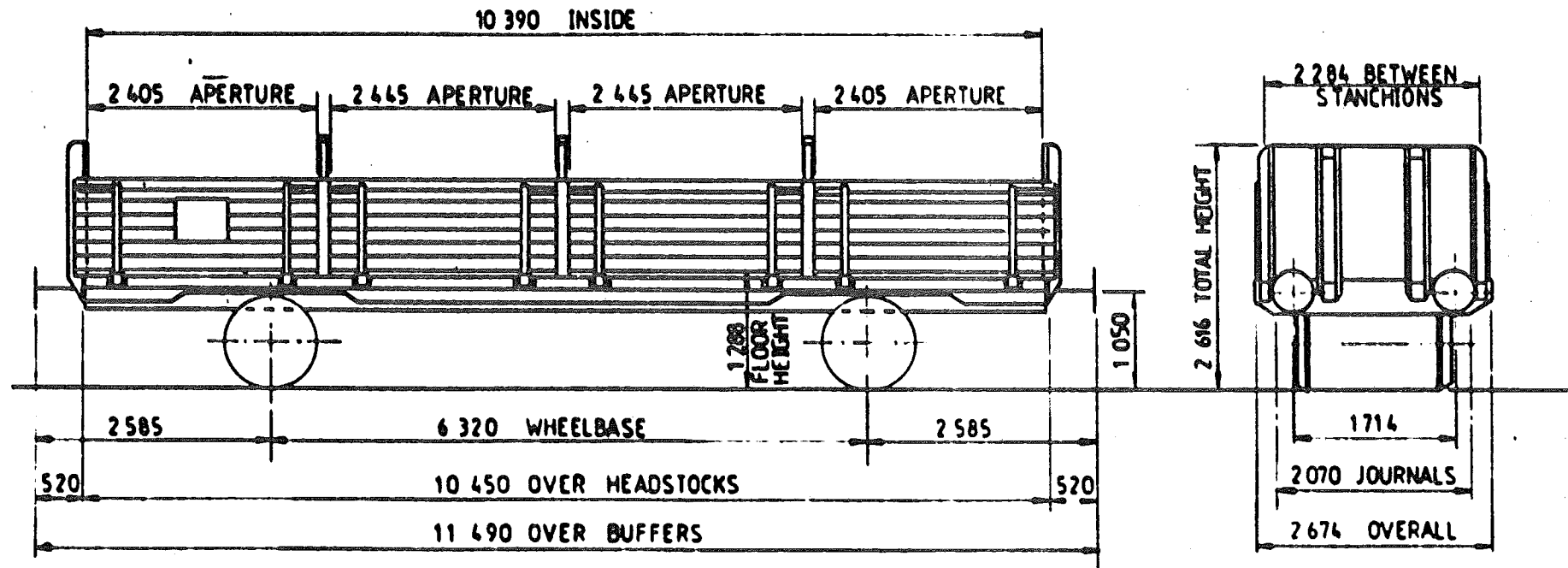
46 tonne G.L.W. OPEN WAGON

OB001E

LOT NUMBER
PART 3930

EXCESS LENGTH 0	H	M	L	E
tonnes	42	40	25	14
VB				
AB	24	18	11	7
RA	8	6	1	1
MAX SPEED	60	75	75	75

TOPS CODE									
CARKND				AARKND				OPERATING PANEL No	
0	B	A	0	B	A	N	3	0	2



TARE - 14 850 Kg
CARRYING CAPACITY - 31 000 Kg
CAPACITY - 22.639 m ³
MAX. SPEED - 60 mile/h at 46t G.L.W.
75 mile/h at 41t G.L.W.
WHEELS - ϕ 952
JOURNALS - ϕ 140 ROLLER BEARINGS

BUFFERS - SELF CONTAINED, ϕ 457 HEADS
COUPLINGS - B.R. SCREW
MIN. CURVE - 55m CLOSE COUPLED
41m SINGLE
GEN ARRGT DRG No F-3-12331
BRAKE - AIR DISC, HAND LEVER
SUSPENSION - B.R. FRICTION LINK

SECURING LOOPS FITTED TO FLOOR FOR 'SPANSET' STRAPS.

Issue 1

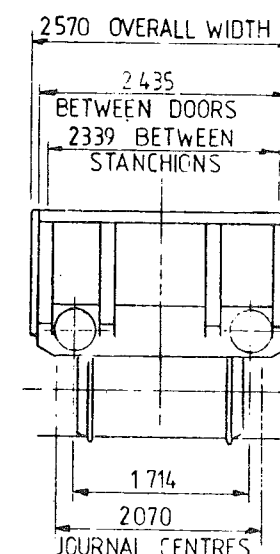
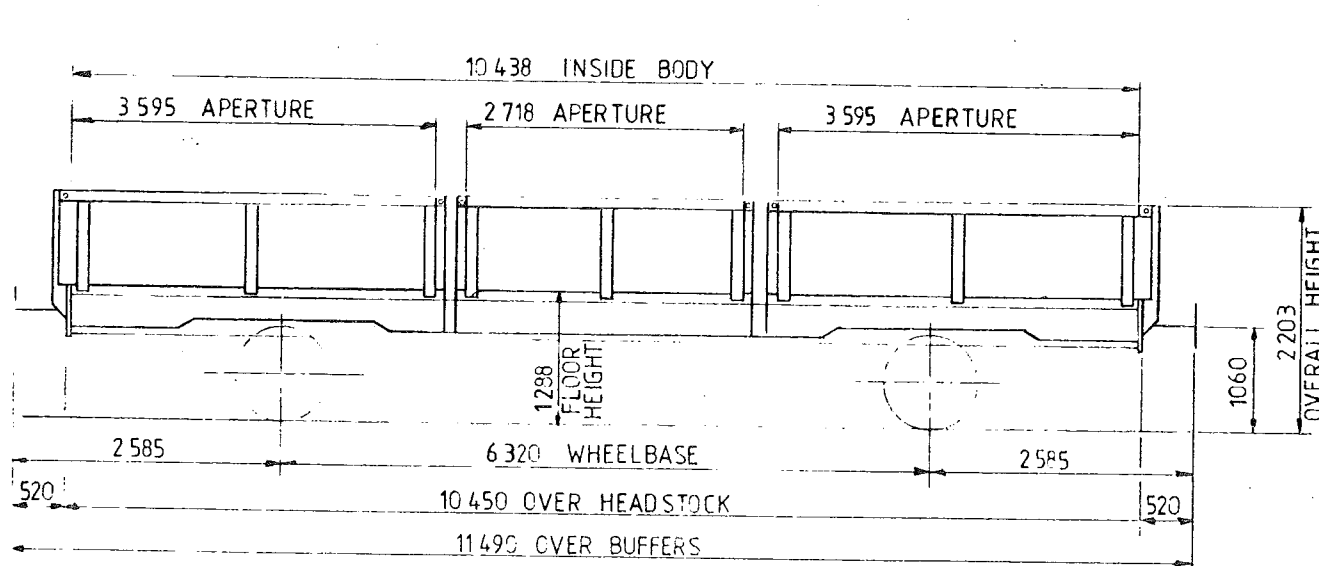
46 tonne G.L.W. OPEN WAGON

0C001A

LOT NUMBER
4014

EXCESS LENGTH	H	M	L	E
tonnes	46	40	25	15
VB				
AB	24	18	11	7
RA	8	6	1	1
MAX. SPEED	60	75	75	75

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
0	C	A	0	C	A	N	8	9	7



TARE - 14450 Kg
CARRYING CAPACITY - 31 ⁵⁰⁰ Kg
CAPACITY - 23.25 m ³
MAX. SPEED - 60 miles/h at +5° G.L.W. 75 miles/h at 41° G.L.W.
WHEELS - ϕ 952
JOURNALS - ϕ 140 ROLLER BEARINGS

BUFFERS - HYDRAULIC ϕ 457 HEADS
COUPLINGS BR SCREW
MIN. CURVE - 50m CLOSE COUPLED 41m SINGLE
GEN. ARRGT. DRG. No. - C1-S-9005834
BRAKE - AIR DISC & HAND LEVER
SUSPENSION - LONG LINK

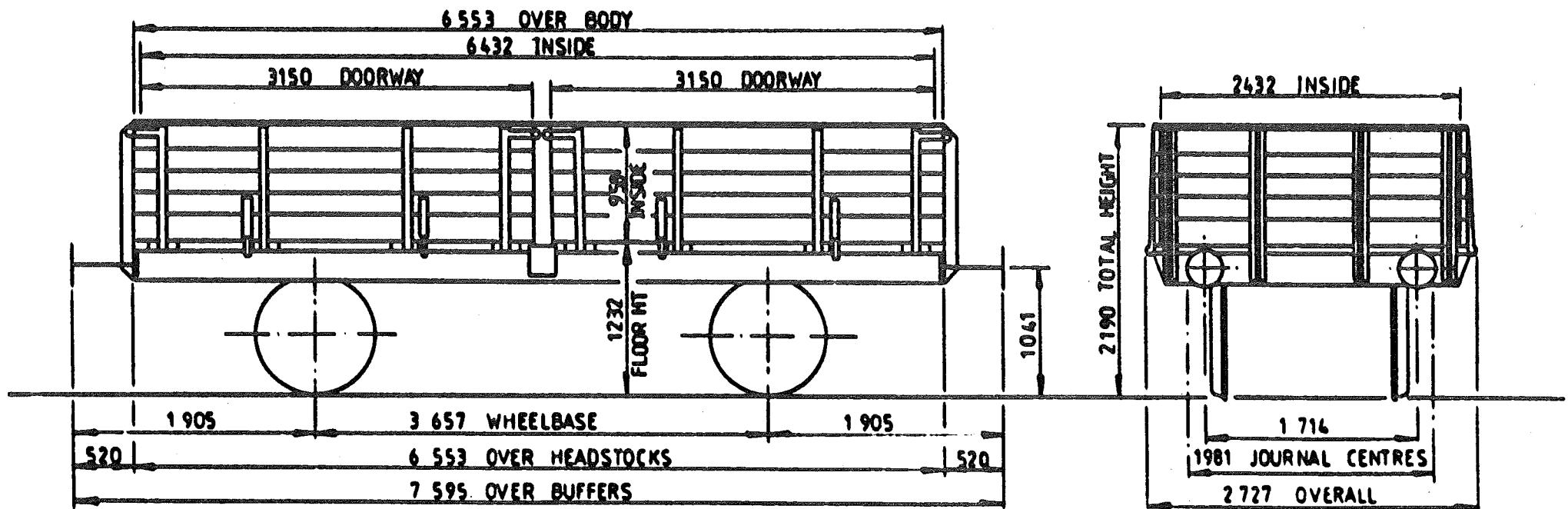
ISSUE 1

21t GLW OPEN WAGON (M.O.D.)

OD001A

LOT NUMBER	
4030	

TOPS INFORMATION												
AARKND		OPERATING		OPERATING SPEED				BRAKE FORCE DATA		EXCESS	RA	DESIGN
CARKND		PANEL No.		75 mile/h UP TO						LENGTH	(GLW)	SHEET
O D A A		3 0 5 9		mile/h ABOVE 21 tonne GLW				- 2.7 + (0.69 x t)		2	1	W 898



TARE-	9000 kg
CAPACITY, WEIGHT-	12000 kg
CAPACITY, VOLUME-	15.185 m ³
MIN. CURVE-	26 m
GEN. ARRGT. DRG. NO.-	SW/DE/36060
	SW/DE/36061

BRAKE-	AIR BLOCK	HAND LEVER
SUSPENSION-	SINGLE	LINK
COUPLINGS-	BR SCREW	
BUFFERS-	HYDRAULIC	406 DIA HEADS
WHEELS-	952 DIA	
JOURNALS-	111 DIA ROLLER BEARINGS	

ISSUE 2

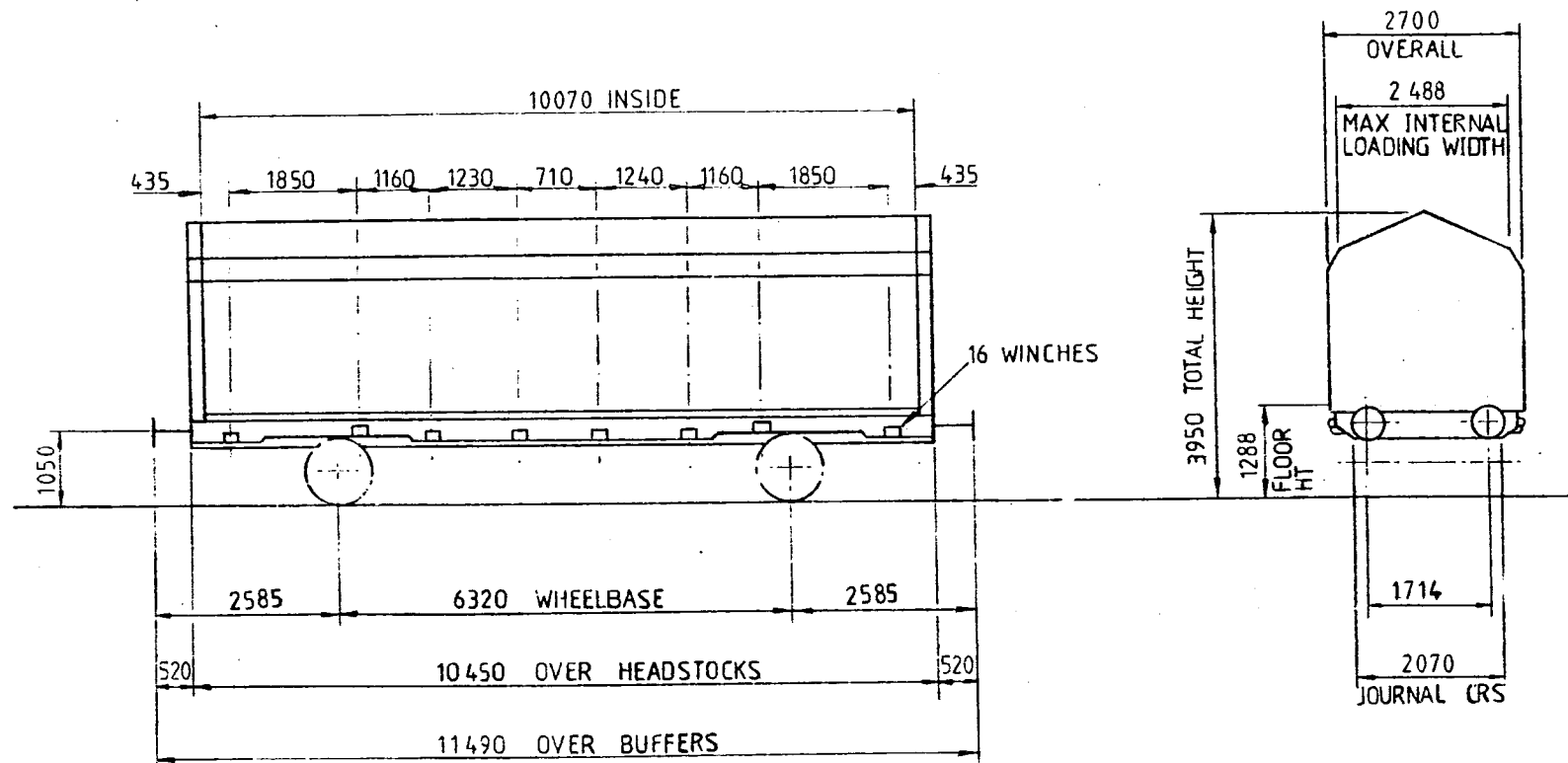
EX. BR. DIAGRAM 1/462 (EX S0001H)

46 tonne G.L.W OPEN WAGON (HOODED)

0E001A

LOT NUMBER	
3930	

TOPS INFORMATION									
AARKND	OPERATING			OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH
CARKND	PANEL No.			75 mile/h UP TO 60 mile/h ABOVE			41 tonne GLW -1.275 + (0.55 × tonnes)		8
O E A A									9
									W 1490



TARE-	16 600 kg
CAPACITY, WEIGHT-	29 400 kg
CAPACITY, VOLUME-	57 M ³
MIN. CURVE-	41m SINGLY & 50m CLOSE COUPLED
GEN. ARRGT. DRG. NO.-	F-S-16931
	B1-A0-8600597

BRAKE-	AIR DISC, HAND LEVER
SUSPENSION-	FRICTION LINK & BRUNINGHAUS SPRINGS
COUPLINGS-	BR SCREW
BUFFERS-	SELF CONTAINED Ø457 HEADS
WHEELS-	Ø952
JOURNALS-	Ø140 ROLLER BEARINGS

ISSUE 2

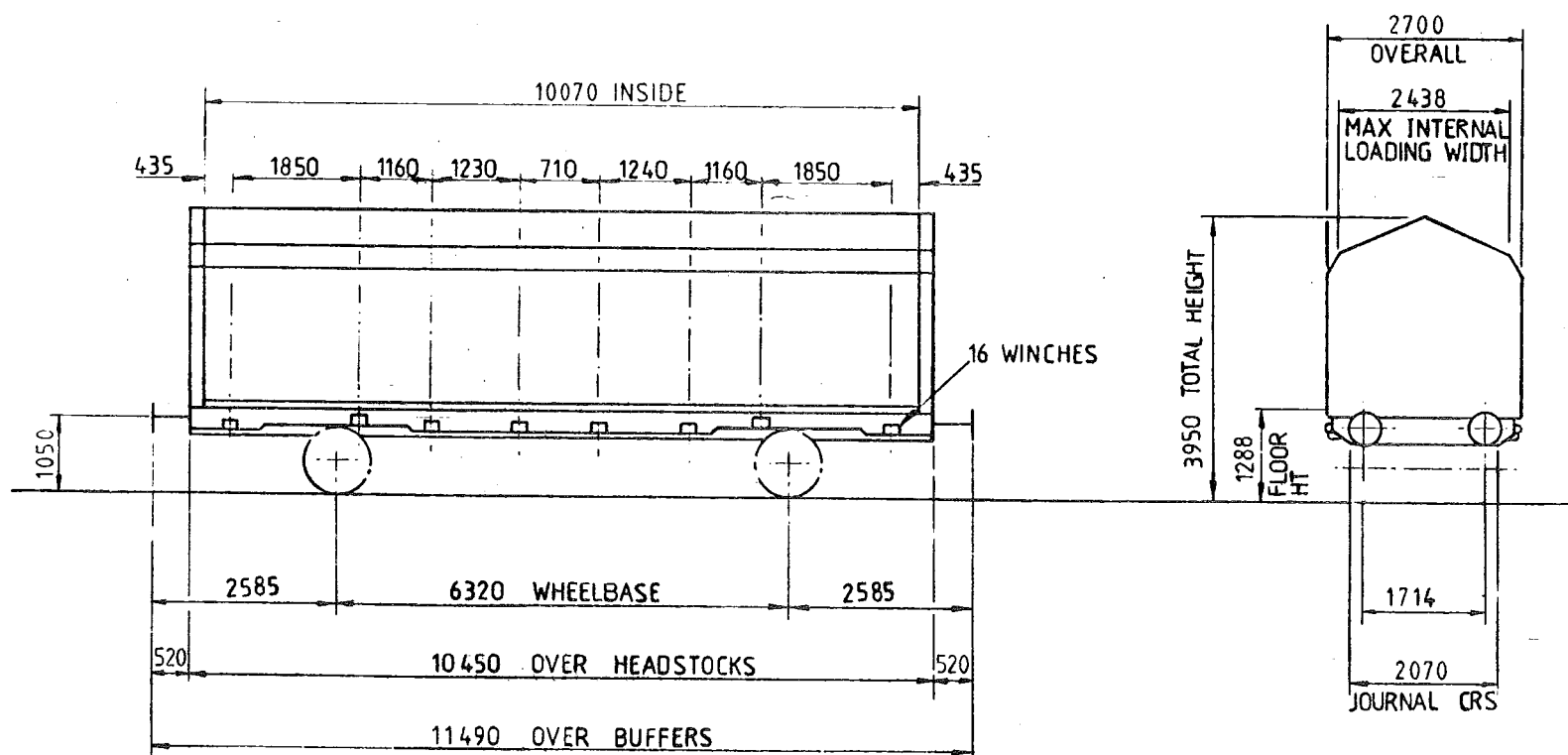
EX. BR. DIAGRAM 08001C

46 tonne G.L.W OPEN WAGON (HOODED)

OE001A

LOT NUMBER	
3930	

TOPS INFORMATION											
AARKND		OPERATING		OPERATING SPEED				BRAKE FORCE DATA			EXCESS LENGTH
CARKND		PANEL No.		75 mile/h UP TO 60 mile/h ABOVE				41 tonne GLW -1.275 + (0.55 x tonnes)			8
0	E	A	A								RA (GLW)
											9
											DESIGN SHEET
											W 1490



TARE-	16 600 kg
CAPACITY, WEIGHT-	29 400 kg
CAPACITY, VOLUME-	57 m ³
MIN. CURVE-	41m SINGLY & 50m CLOSE COUPLED
GEN. ARRGT. DRG. NO.-	F-S-16931 B1-A0-8600597

BRAKE-	AIR DISC, HAND LEVER.
SUSPENSION-	FRICTION LINK & BRUNINGHAUS SPRINGS
COUPLINGS-	B.R. SCREW.
BUFFERS-	SELF CONTAINED Ø457 HEADS
WHEELS-	Ø952
JOURNALS-	Ø140 ROLLER BEARINGS.

ISSUE 1

EX. BR. DIAGRAM ØB001C

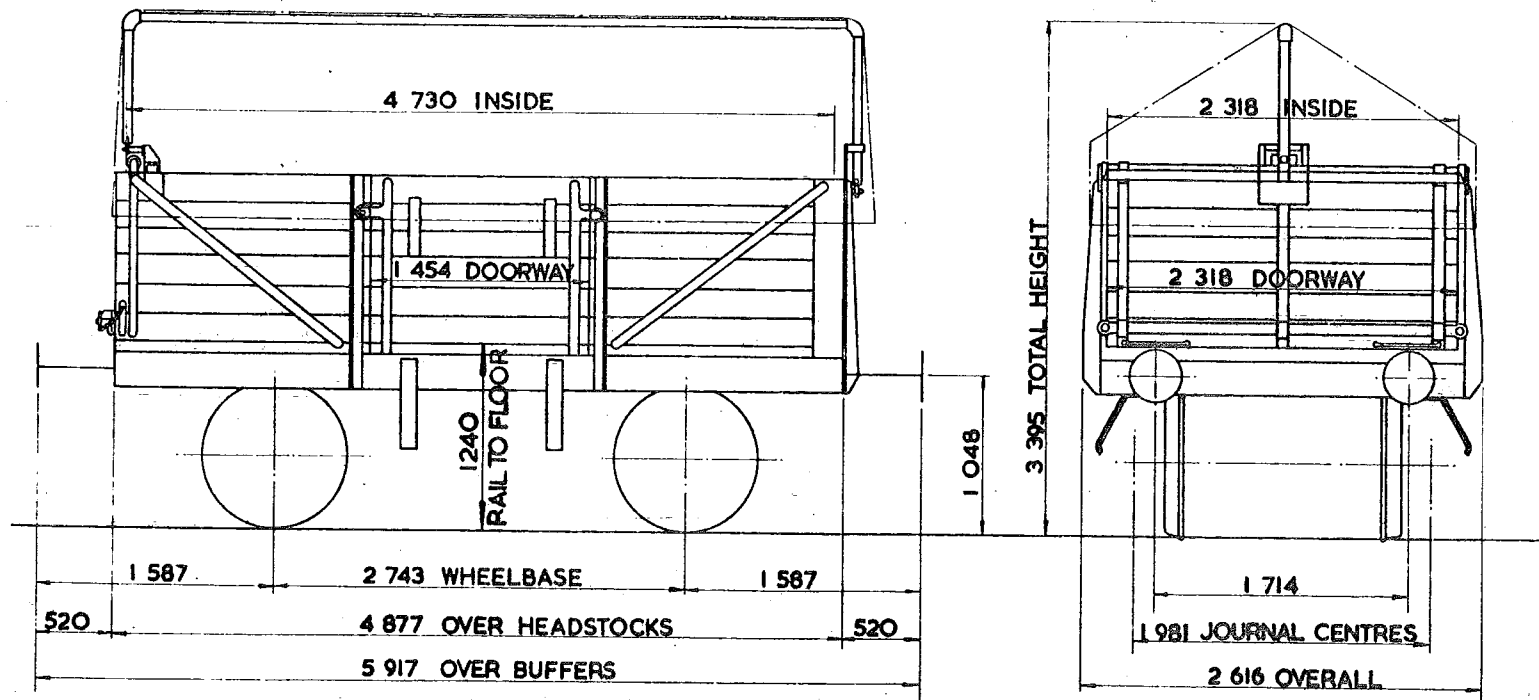
CHINA CLAY WAGON

00002A

EX LOT NUMBER	
2590	
2697	
2871	

EXCESS LENGTH	H	M	L	E
tonnes	19	16	11	8
VB	3	3	3	3
AB				
RA	1	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE									
CARKND				AARKND				OPERATING PANEL No	
0	0	V	0	0	V	H			7



TARE - 6 700 kg
CARRYING CAPACITY - 13 000 kg
CAPACITY - 9.747 m ³
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA
JOURNALS - 228 X 108 PLAIN BEARINGS

BUFFERS - SELF CONTAINED 330 DIA. HEADS
COUPLINGS - B.R. SCREW
MIN CURVE - 15 m
GEN. ARRGT. DRG. No. - 140243
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE

ISSUE 1.

EX B.R. DIAGRAM 13

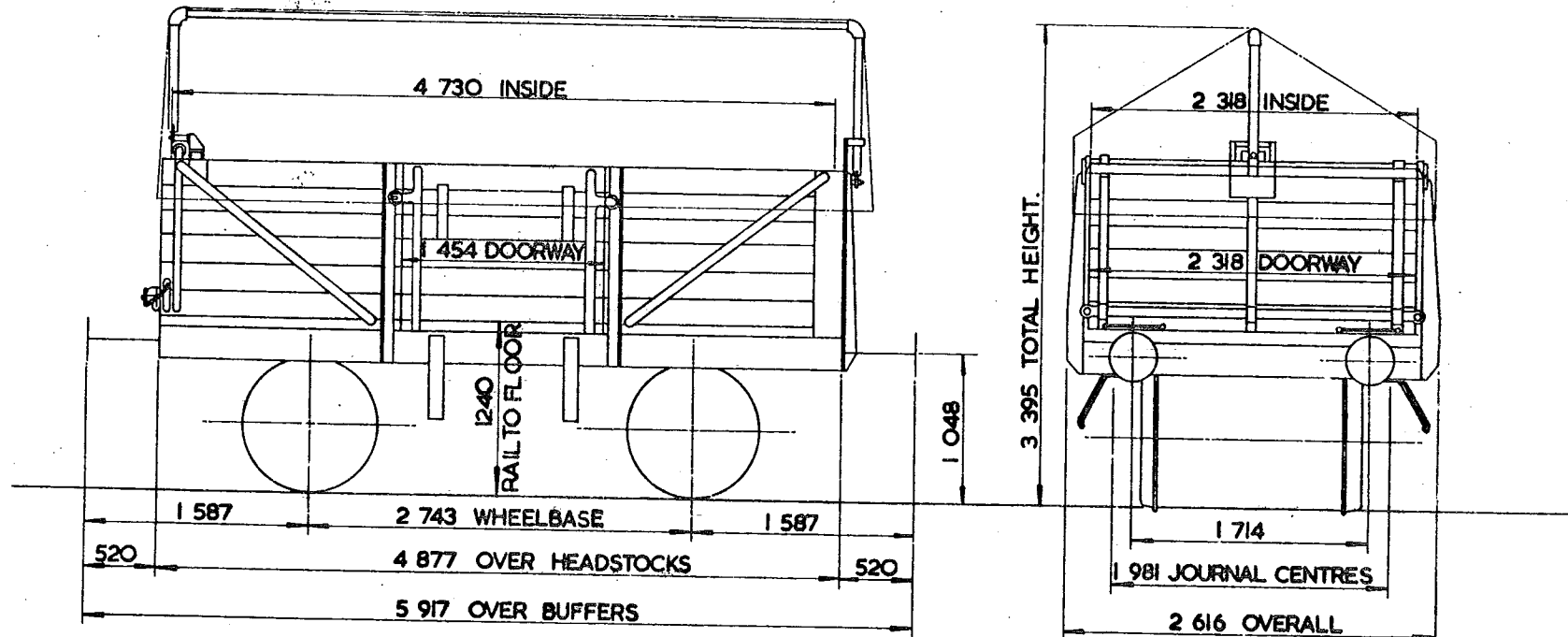
CHINA CLAY WAGON

00002B.

EX LOT NUMBER
2974
3098
3195
3296

EXCESS LENGTH	H	M	L	E
tonnes	19	16	11	8
VB	3	3	3	3
AB				
RA	1	1	1	1
MAX SPEED	45	45	45	45

TOPS CODE									
CARKND				AARKND			OPERATING PANEL No		
0	0	V	0	0	V	H			7



TARE --	6 700 kg
CARRYING CAPACITY --	13 000 kg
CAPACITY --	9.747 m ³
MAX. SPEED --	45 mile/h
WHEELS --	952 DIA.
JOURNALS --	228x108 PLAIN BEARINGS

BUFFERS --	SELF CONTAINED 330 DIA. HEADS
COUPLINGS --	INSTANTER
MIN. CURVE --	15 m
GEN. ARRGT. DRG. No. --	140243
BRAKE --	VACUUM BLOCK & HAND LEVER
SUSPENSION --	SHOE

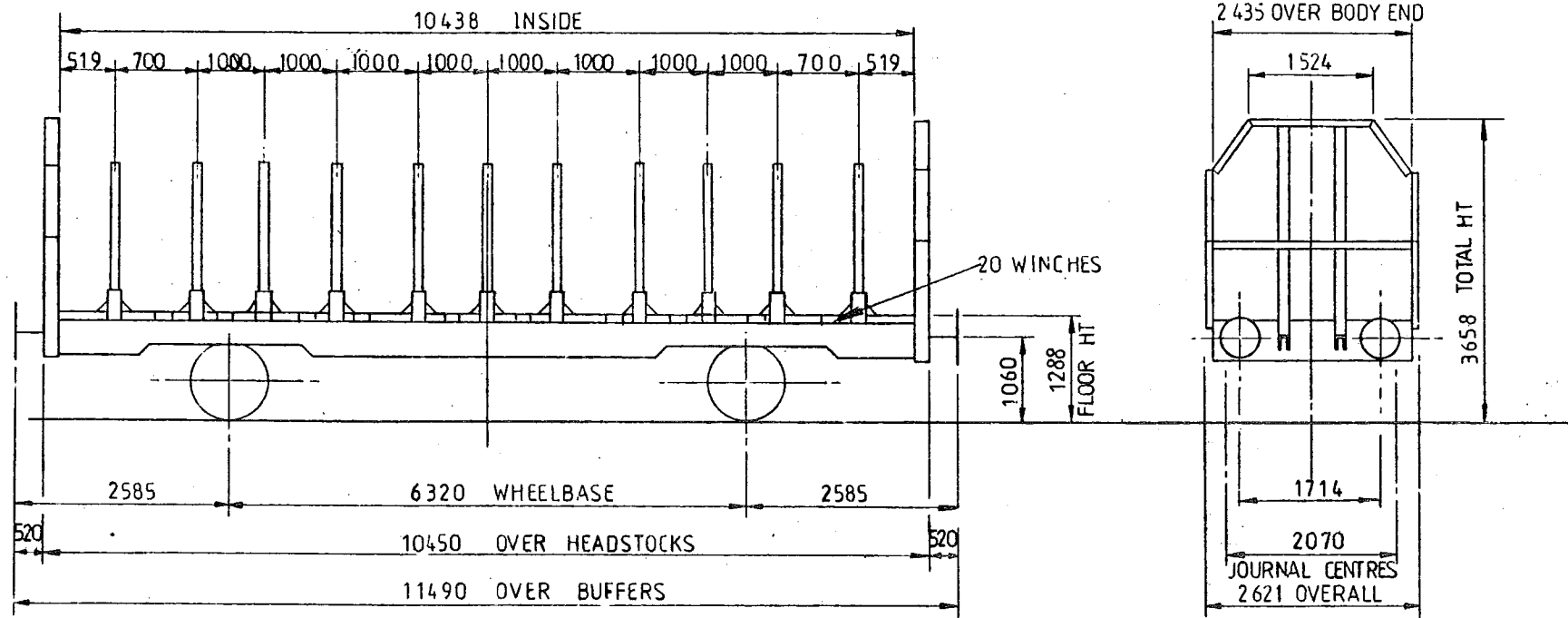
ISSUE 1.
EX. B.R. DIAGRAM 13.

TIMBER CARRYING WAGON

ØT001A

LOT NUMBER	
4014	

TOPS INFORMATION													
AARKND		OPERATING		OPERATING SPEED				BRAKE FORCE DATA			EXCESS	RA	DESIGN
CARKND		PANEL No.		75 mile/h UP TO		40 tonne GLW		-1.43 + (0.553 × t)			LENGTH	(GLW)	SHEET
O	T	A	A		60	mile/h ABOVE					8	9	W 1517



TARE-	15 250 kg
CAPACITY, WEIGHT-	30 750 kg
CAPACITY, VOLUME-	
MIN. CURVE-	50m CLOSE 41m SINGLE
GEN. ARRGT. DRG. NO.-	B1-A0-8600641 C1-S-9005834

BRAKE-	AIR DISC, HAND LEVER.
SUSPENSION-	LONG LINK
COUPLINGS-	B.R.SCREW
BUFFERS-	HYDRAULIC 457 DIA HEADS
WHEELS-	DIA 952
JOURNALS-	140 DIA ROLLER BEARINGS

ISSUE 1

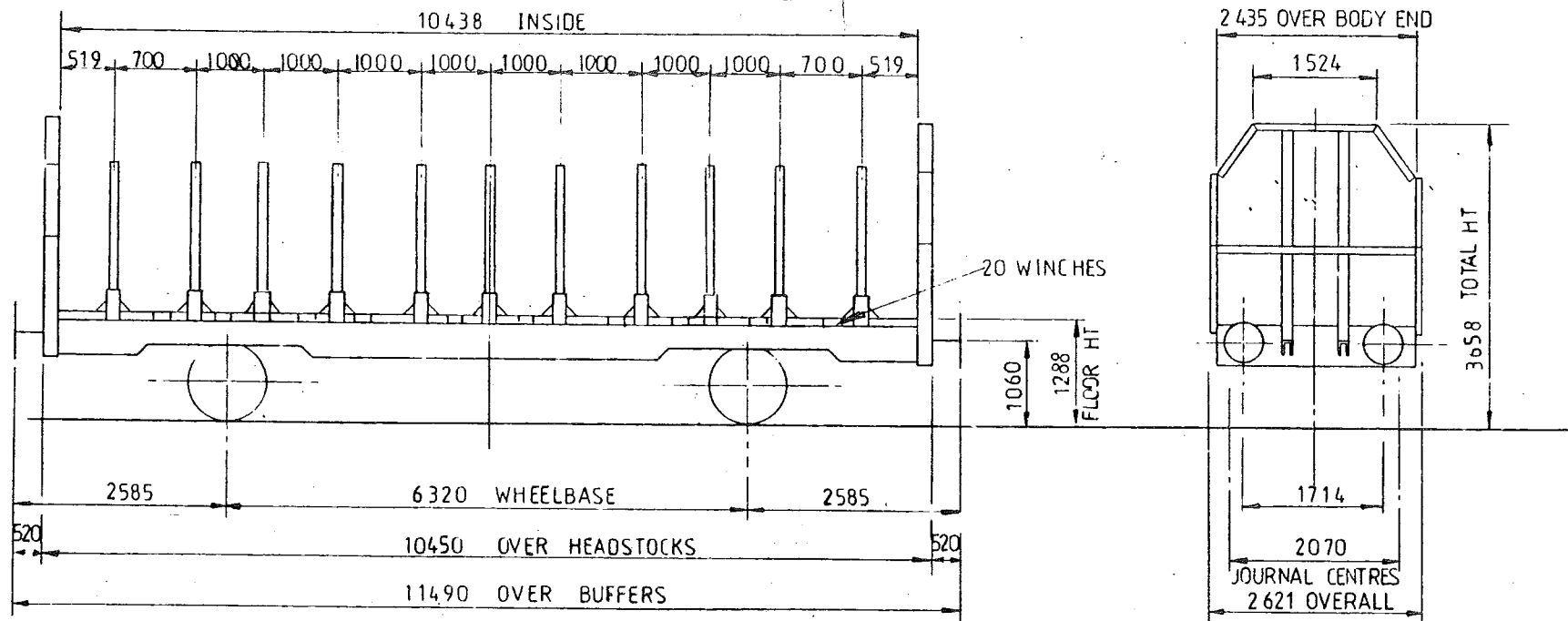
EX. BR. DIAGRAM ØC001A

46 tonne G.L.W. TIMBER CARRYING WAGON
('EXTE' BOLSTERS AND STANCHIONS)

ØTOO1 B

LOT NUMBER	
4014	

TOPS INFORMATION											
AARKND		OPERATING		OPERATING SPEED				BRAKE FORCE DATA			
CARKND		PANEL No.		75 mile/h UP TO		40 tonne GLW		$-1.43 + (0.553 \times t)$			
O	T	A	B					EXCESS LENGTH 9			
								RA (GLW) 9			
								DESIGN SHEET W 1609			



TARE-	15 000 kg
CAPACITY, WEIGHT-	31 000 kg
CAPACITY, VOLUME-	
MIN. CURVE-	50 m CLOSE 41 m SINGLE
GEN. ARRGT. DRG. NO.-	B1-A0-8600690

BRAKE-	AIR DISC, HAND LEVER
SUSPENSION-	LONG LINK
COUPLINGS-	B.R.SCREW
BUFFERS-	HYDRAULIC 457 DIA. HEADS
WHEELS-	DIA 952
JOURNALS-	140 DIA ROLLER BEARINGS

ISSUE 1

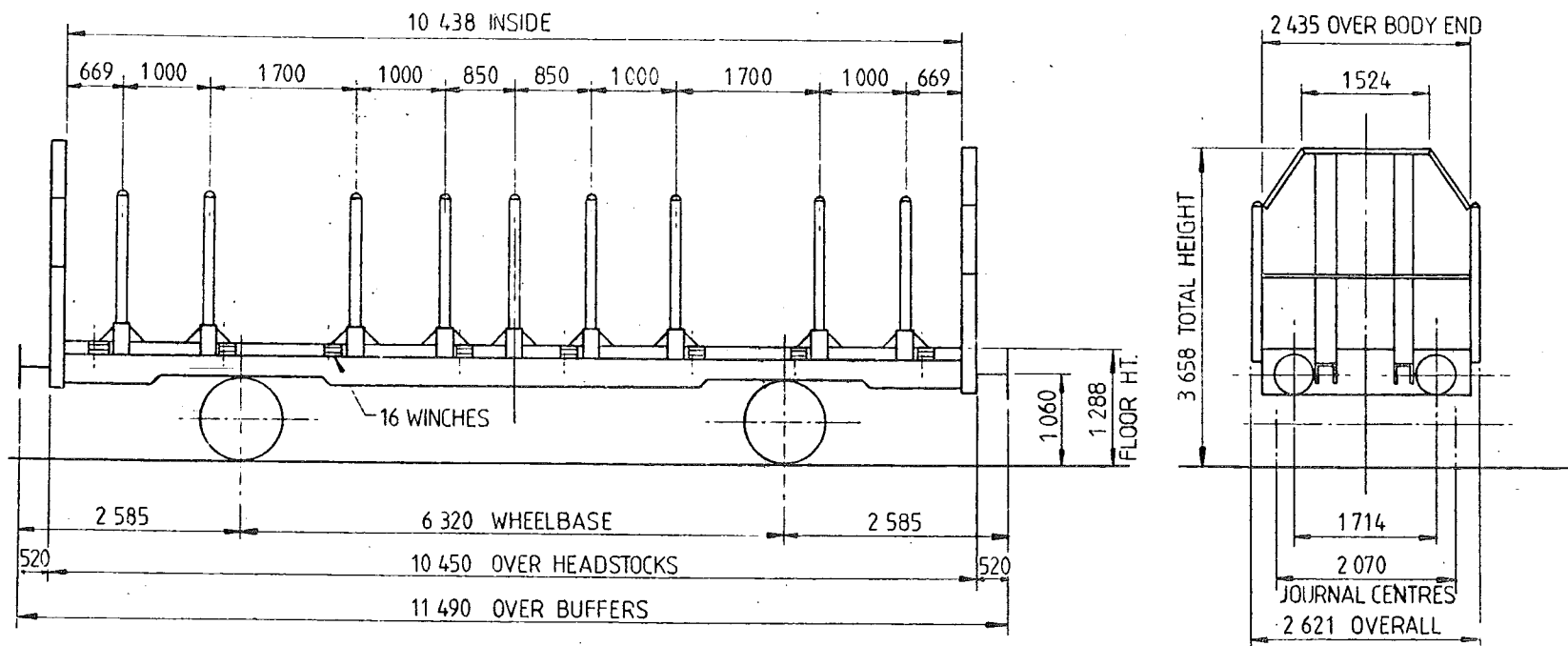
EX. BR. DIAGRAM ØC001A

46 tonne G.L.W. TIMBER CARRYING WAGON

ØT 001C

LOT NUMBER	
4014	

TOPS INFORMATION										
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA			EXCESS LENGTH
CARKND		PANEL No.		75 mile/h UP TO 60 mile/h ABOVE			- 1.43 + (0.553 x t)			8
C	T	A	C							9
										W 1610



TARE-	15 000 kg
CAPACITY, WEIGHT-	31 000 kg
CAPACITY, VOLUME-	
MIN. CURVE-	50m CLOSE 41m SINGLE
GEN. ARRGT. DRG. NO.-	B1 - A0 - 8600702

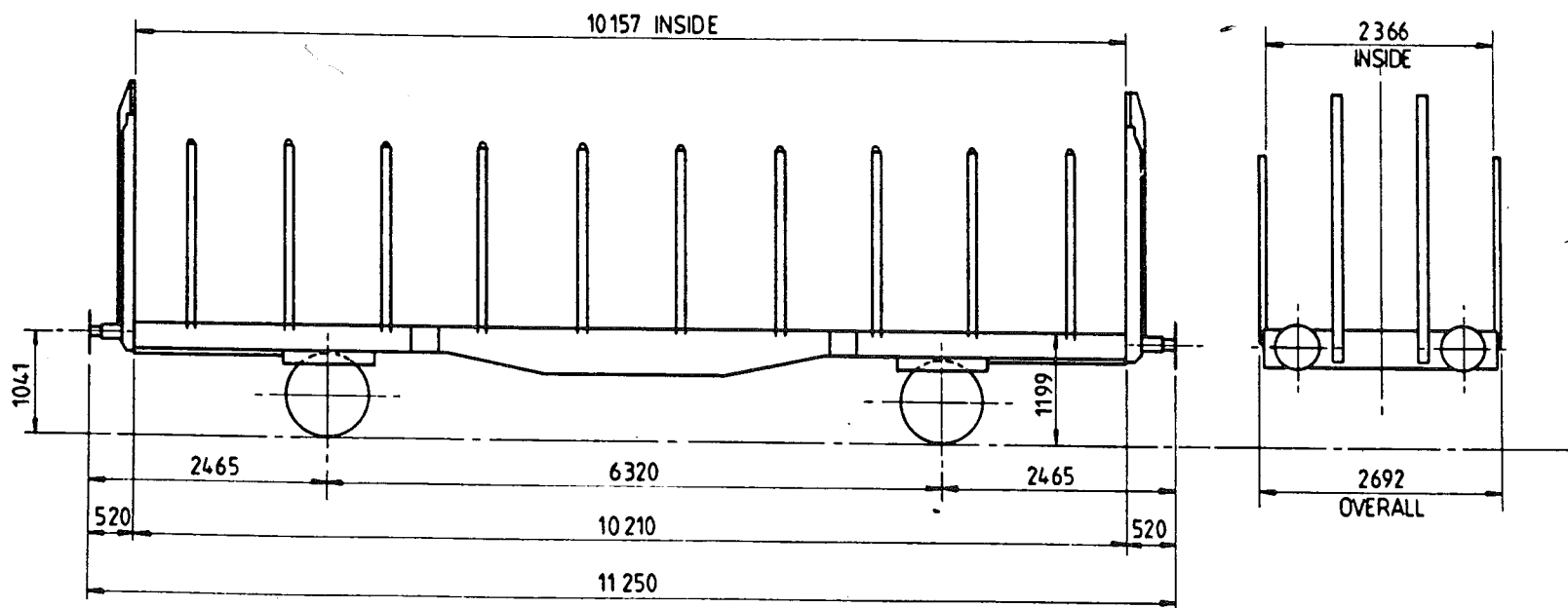
BRAKE-	AIR, DISC & HAND LEVER
SUSPENSION-	LONG LINK
COUPLINGS-	B.R. SCREW
BUFFERS-	HYDRAULIC 457 DIA. HEADS
WHEELS-	952 DIA
JOURNALS-	140 DIA. ROLLER BEARINGS

ISSUE 1.

EX. BR. DIAGRAM ØC001A

LOT NUMBER	

TOPS INFORMATION													
AARKND		OPERATING		OPERATING SPEED				BRAKE FORCE DATA			EXCESS	RA	DESIGN
CARKND		PANEL No.		75 mile/h UP TO				VARIABLE LOAD			LENGTH	(GLW)	SHEET
O	T	A	D			41 tonne GLW		-2.53 + (0.636 * t)			8	6	W1969

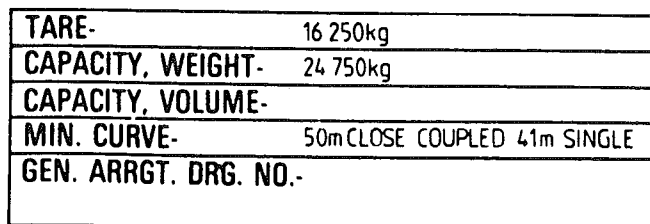


TARE-	16 250kg
CAPACITY, WEIGHT-	24 750kg
CAPACITY, VOLUME-	
MIN. CURVE-	50m CLOSE COUPLED 41m SINGLE
GEN. ARRGT. DRG. NO.-	

BRAKE-	AIR DISC & HAND LEVER
SUSPENSION-	LONG LINK
COUPLINGS-	BR SCREW
BUFFERS-	HYDRAULIC 457 DIA. HEAD
WHEELS-	860 DIA.
JOURNALS-	140 DIA. ROLLER BEARINGS

ISSUE 1

TOPS INFORMATION															
AARKND		OPERATING		OPERATING SPEED				BRAKE FORCE DATA				EXCESS	RA	DESIGN	
CARKND		PANEL No.		75 mile/h UP TO mile/h ABOVE				41 tonne GLW				VARIABLE LOAD $2.53 + (0.636 \cdot t)$	LENGTH	(GLW)	SHEET
O	T	A	D									8	6	W1970	

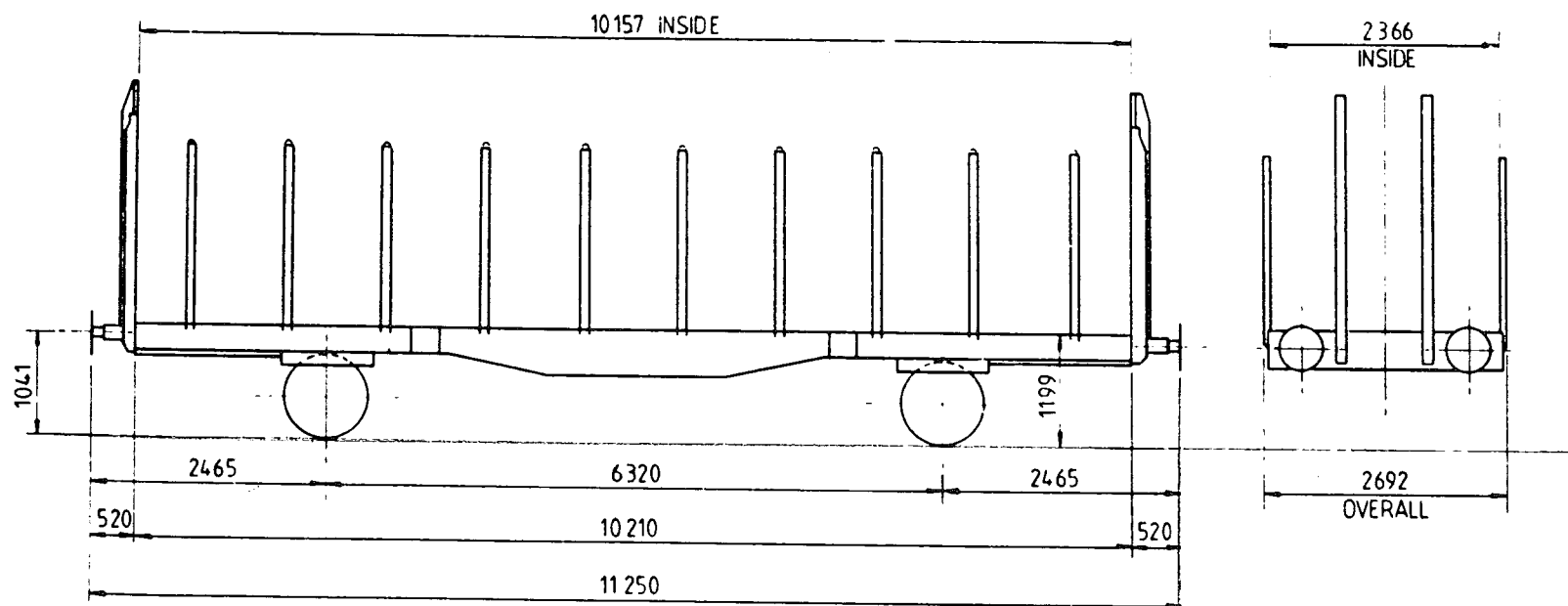


BRAKE-	AIR DISC & HAND LEVER
SUSPENSION-	TAPERLITE
COUPLINGS-	BR SCREW
BUFFERS-	HYDRAULIC 457 DIA. HEAD
WHEELS-	813 DIA.
JOURNALS-	140 DIA. ROLLER BEARINGS

ISSUE 1

LOT NUMBER	

TOPS INFORMATION											
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS	RA	DESIGN
CARKND		PANEL No.		75 mile/h UP TO		41 tonne GLW	VARIABLE LOAD $-2.53 \cdot (0.636 \cdot t)$	LENGTH	(GLW)	SHEET	
O	T	A	D	mile/h ABOVE							
								8	6	W1971	



TARE-	16 250kg
CAPACITY, WEIGHT-	24 750kg
CAPACITY, VOLUME-	
MIN. CURVE-	50m CLOSE COUPLED 41m SINGLE
GEN. ARRGT. DRG. NO.-	

BRAKE-	AIR DISC & HAND LEVER
SUSPENSION-	LONG LINK
COUPLINGS-	BR SCREW
BUFFERS-	HYDRAULIC 457 DIA. HEAD
WHEELS-	860 DIA.
JOURNALS-	140 DIA. ROLLER BEARINGS

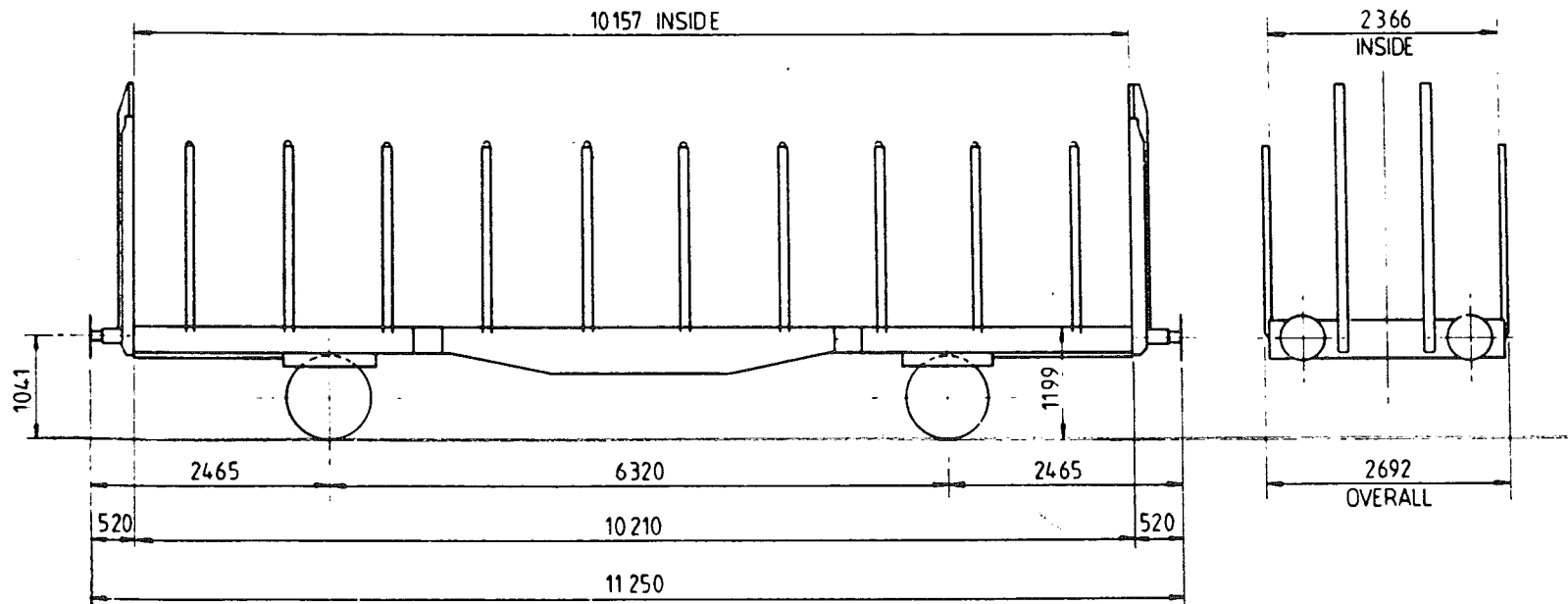
ISSUE 1

41t G.L.W. OPEN TIMBER WAGON

OTO 02D

LOT NUMBER	

TOPS INFORMATION									
AARKND	OPERATING			OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH
CARKND	PANEL No.			75 mile/h UP TO mile/h ABOVE			VARIABLE LOAD $-2.97 \cdot (0.864 \cdot t)$		7
O T A D									6
									W1980



TARE-	15800kg
CAPACITY, WEIGHT-	25200kg
CAPACITY, VOLUME-	
MIN. CURVE-	50m CLOSE COUPLED 41m SINGLE
GEN. ARRGT. DRG. NO.-	

BRAKE-	AIR DISC & HAND LEVER
SUSPENSION-	LONG LINK
COUPLINGS-	BR SCREW
BUFFERS-	HYDRAULIC 457 DIA. HEAD
WHEELS-	860 DIA.
JOURNALS-	140 DIA. ROLLER BEARINGS

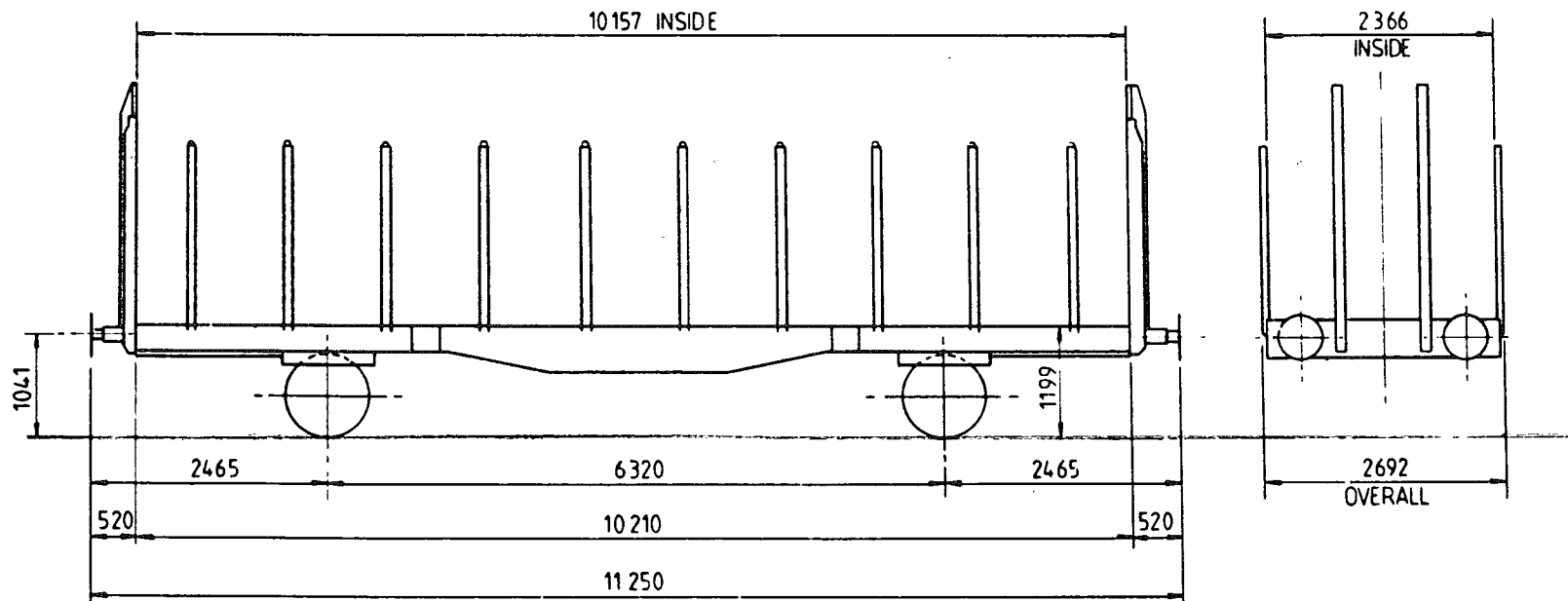
ISSUE 1

41t G.L.W. OPEN TIMBER WAGON

OTO 02E

LOT NUMBER	

TOPS INFORMATION															
AARKND				OPERATING			OPERATING SPEED			BRAKE FORCE DATA			EXCESS LENGTH 8	RA (GLW) 6	DESIGN SHEET w1986
CARKND				PANEL No.			75 mile/h UP TO 41 tonne GLW			VARIABLE LOAD:- -2.53*(0.636 * t)					
O	T	A	D				mile/h ABOVE								



TARE-	16 000kg
CAPACITY, WEIGHT-	25000kg
CAPACITY, VOLUME-	
MIN. CURVE-	50m CLOSE COUPLED 41m SINGLE
GEN. ARRGT. DRG. NO.-	

BRAKE-	AIR DISC & HAND LEVER
SUSPENSION-	BR FRICTION LINK
COUPLINGS-	BR SCREW
BUFFERS-	HYDRAULIC 457 DIA. HEAD
WHEELS-	813 DIA.
JOURNALS-	140 DIA. ROLLER BEARINGS

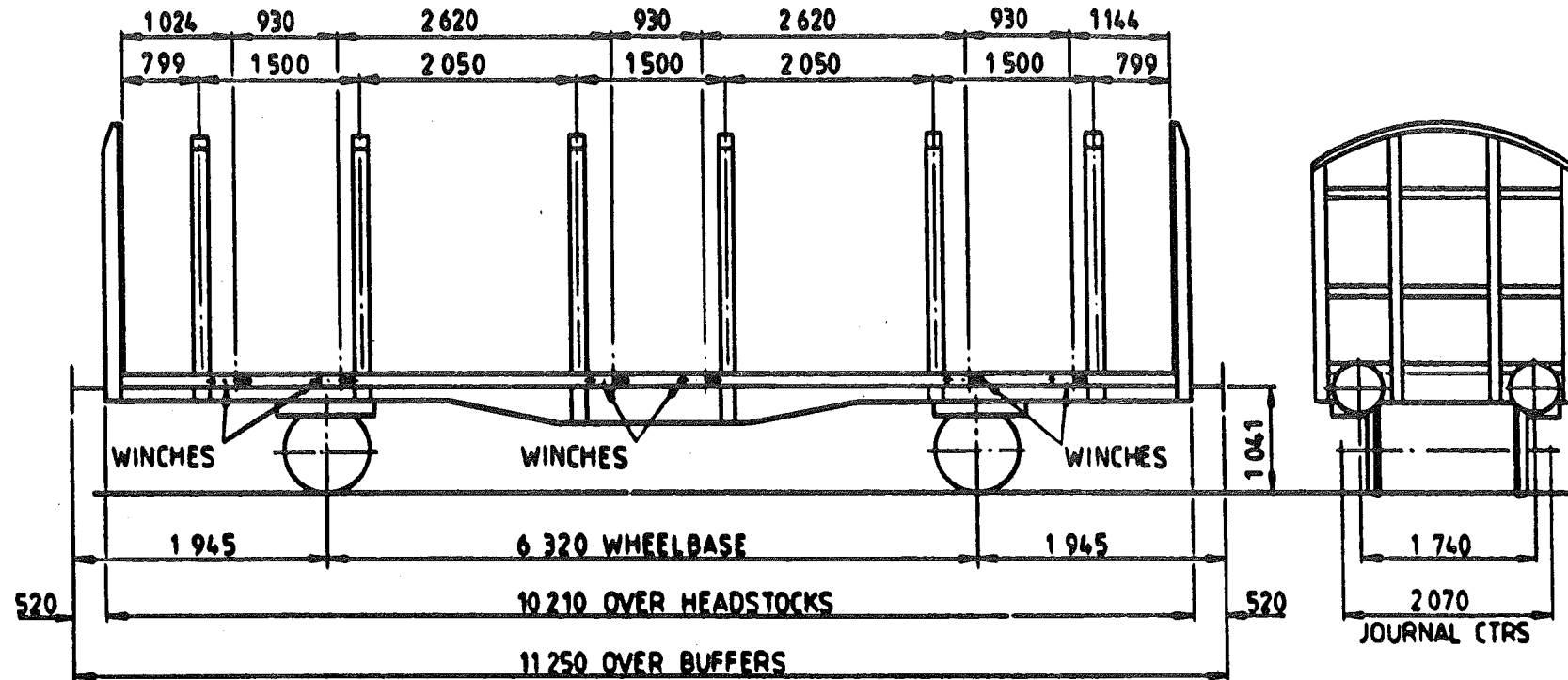
ISSUE 1

411 GLW OPEN TIMBER WAGON

OT002F

LOT NUMBER	
3855	

TOPS INFORMATION									
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH
CARKND		PANEL No.		75 mile/h UP TO 41 tonne GLW			VARIABLE LOAD BRAKE		RA (GLW)
O T A E				- mile/h ABOVE			-2.53 * (.636 * tonnes)		6
									W2043



TARE-	16 500Kg
CAPACITY, WEIGHT-	24 500Kg
CAPACITY, VOLUME-	
MIN. CURVE-	50m CLOSE COUPLED, 41m SINGLE
GEN. ARRGT. DRG. NO.-	

BRAKE-	AIR DISC & HAND LEVER
SUSPENSION-	LONG LINK
COUPLINGS-	B.R. SCREW
BUFFERS-	HYDRAULIC 457 DIA HD
WHEELS-	860 DIA.
JOURNALS-	140 DIA. ROLLER BEARINGS

ISSUE 1

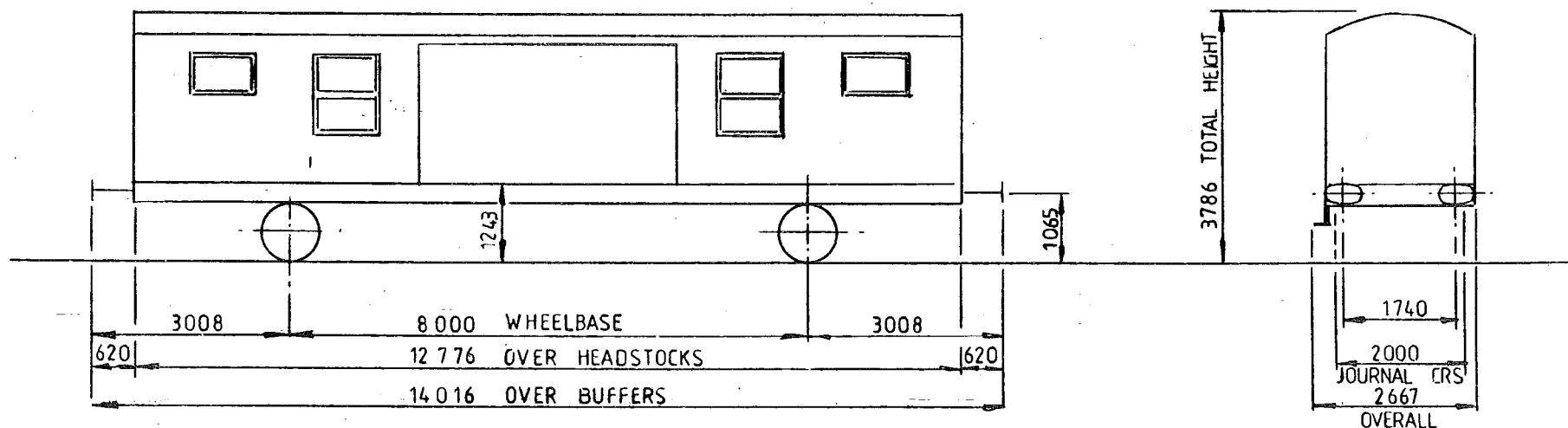
EX. BR. DIAGRAM

BARRIER WAGON

RB034B

LOT NUMBER	
3472	

TOPS INFORMATION									
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS
CARKND		PANEL No.		60 mile/h UP TO 15 tonne GLW			10 + (AIR & VAC) BRAKED TO TARE		LENGTH
R	B	X	V	3	5	6			12



TARE-	14900 kg
CAPACITY, WEIGHT-	—
CAPACITY, VOLUME-	—
MIN. CURVE-	51 m
GEN. ARRGT. DRG. NO.-	DN 31002

BRAKE-	AIR & VACUUM BLOCK, HAND LEVER
SUSPENSION-	2 AXLE, 4 WHEELS
COUPLINGS-	INTERNATIONAL SCREW
BUFFERS-	SELF CONTAINED 610 x 356 OVAL HEADS
WHEELS-	1000 DIA
JOURNALS-	130 DIA ROLLER BEARINGS

ISSUE 1

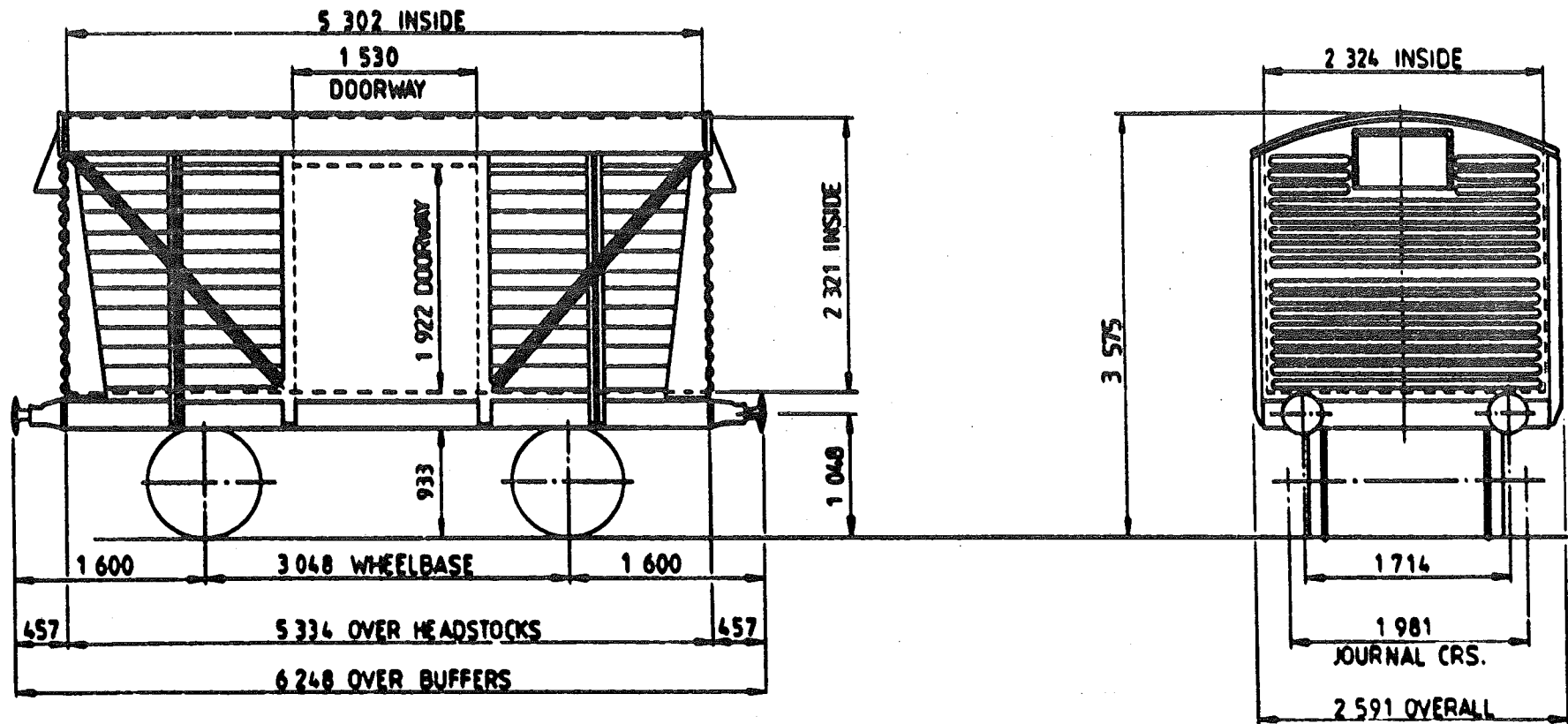
EX. BR. DIAGRAM 227

SHEET WAGON

RD001A

LOT NUMBER	
3086	

TOPS INFORMATION											
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS	RA	DESIGN
CARKND		PANEL No.		45 mile/h UP TO		19.6 tonne GLW	3t FORCE CONSTANT		LENGTH	(GLW)	SHEET
R	D	V	D		mile/h ABOVE				0	1	W2020



TARE-	7 600 kg
CAPACITY, WEIGHT-	12 000 kg
CAPACITY, VOLUME-	27.2 m ³
MIN. CURVE-	20 m
GEN. ARRGT. DRG. NO.-	BODY SW/SW 1 8 SW/SW 63 U/F SW/SW 250

BRAKE-	VAC. BLOCK
SUSPENSION-	
COUPLINGS-	INSTANTER
BUFFERS-	SPINDLE 330 mm DIA. HEAD
WHEELS-	952 DIA.
JOURNALS-	9" x 4 1/2" PLAIN BEARING

ISSUE 1

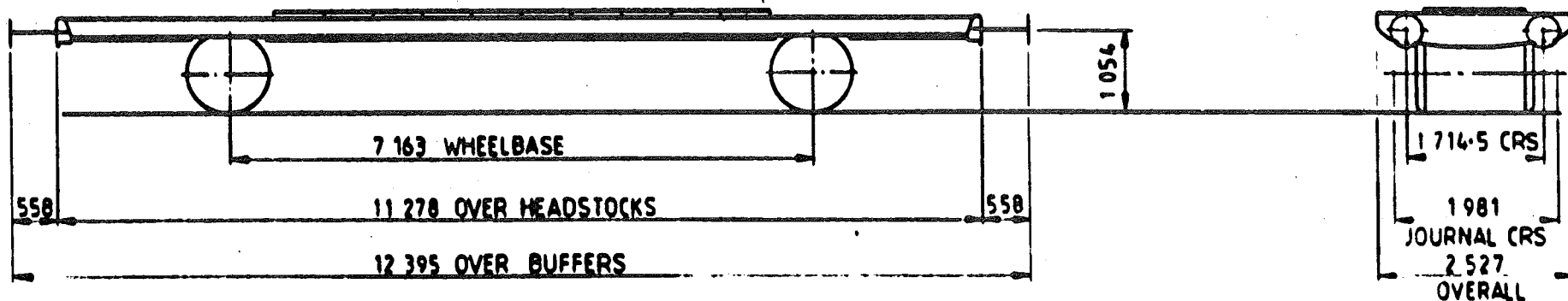
EX. BR. DIAGRAM

MATCH WAGON

RE001A

LOT NUMBER	
4041	

TOPS INFORMATION						
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA		EXCESS LENGTH
CARKND	PANEL No.	70 mile/h UP TO		17.6 tonne GLW		10
R E Q H		mile/h ABOVE				1
						W1214



TARE-	17 600kg
CAPACITY, WEIGHT-	N/A
CAPACITY, VOLUME-	
MIN. CURVE-	
GEN. ARRGT. DRG. NO.-	U/F SC/ES 3646

BRAKE-	UNFITTED (PIPED AIR ONLY)
SUSPENSION-EYEBOLT	
COUPLINGS-	LTE COUPLER/THREE LINK COUPLING
BUFFERS-	
WHEELS-	3'-6" DIA.
JOURNALS-	10"x 5" PLAIN BEARINGS

ISSUE 1

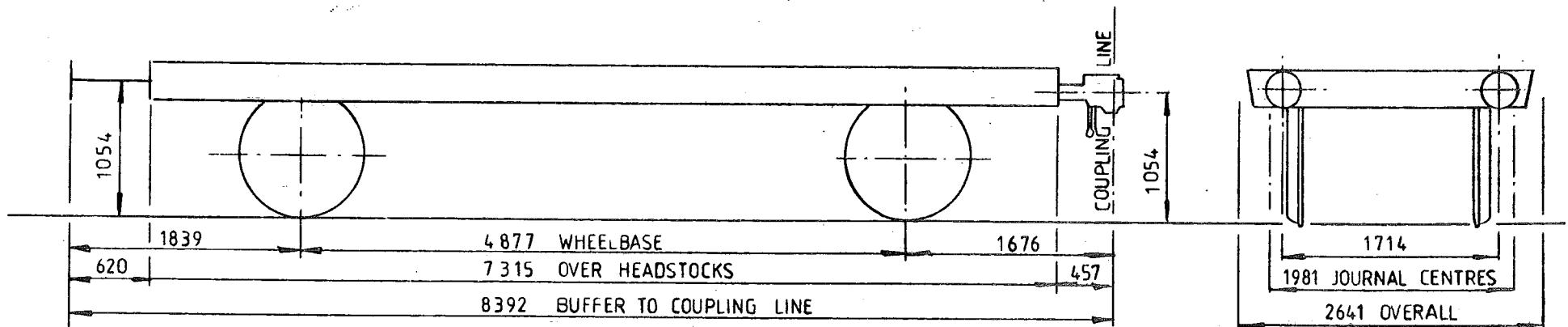
EX. BR. DIAGRAM A816

IRON ORE MATCH WAGON

RF002B

LOT NUMBER	
3227	

TOPS INFORMATION													
AARKND		OPERATING		OPERATING SPEED				BRAKE FORCE DATA			EXCESS LENGTH	RA	DESIGN
CARKND		PANEL No.		75 mile/h UP TO							LENGTH	(GLW)	SHEET
R	F	Q	G	mile/h ABOVE 19 tonne GLW									
										3	1	W 1419	



TARE-	19 000 kg
CAPACITY, WEIGHT-	-
CAPACITY, VOLUME-	-
MIN. CURVE-	31 m
GEN. ARRGT. DRG. NO.-	SW/ DN / 28235 F.S. 6211

BRAKE-	AIR PIPE	HAND	SCREW
SUSPENSION-	EYEBOLT	WITH	AUX RUBBERS
COUPLINGS-	INTERNATIONAL	SCREW /	AUTO COUPLER
BUFFERS-	SELF CONTAINED	330	DIA HEADS
WHEELS-	952	DIA	
JOURNALS-	111 DIA	ROLLER	BEARINGS

ISSUE 1

EX. BR. DIAGRAM 507

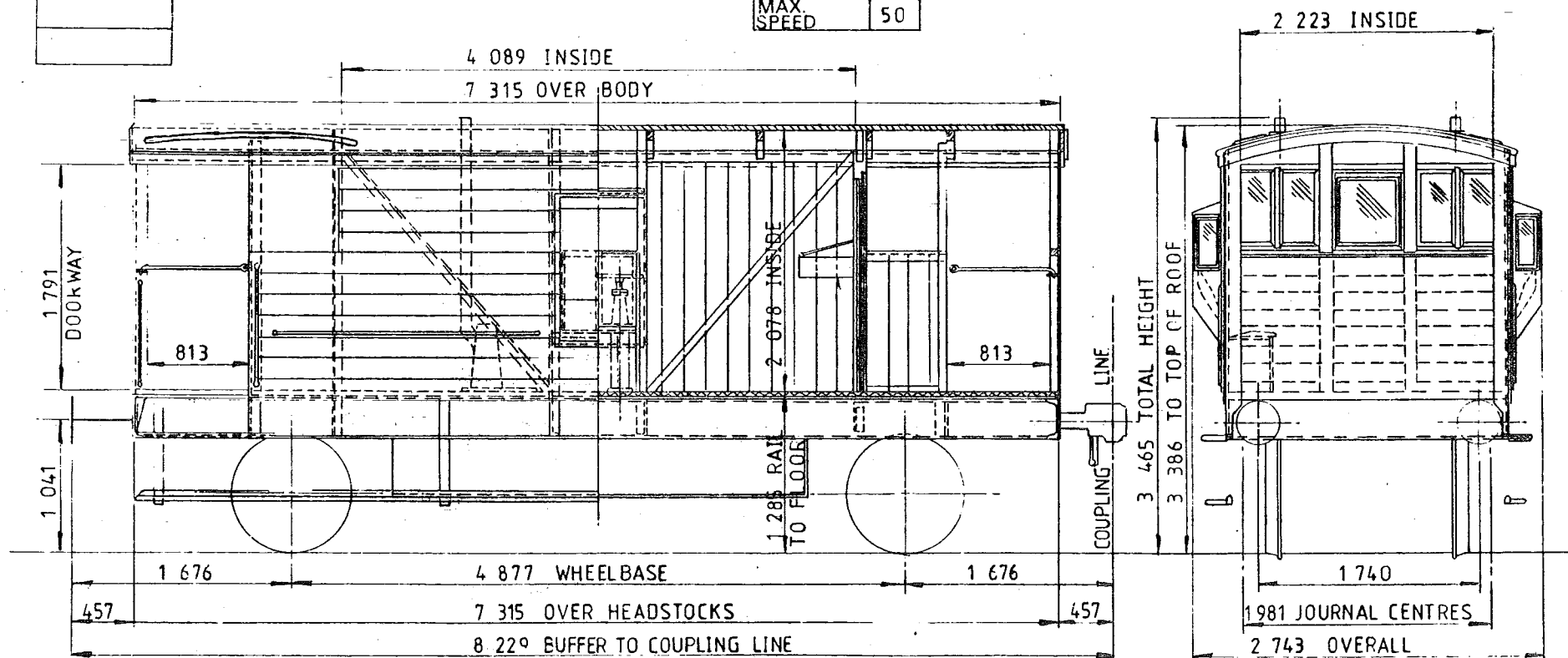
IRONSTONE TIPPLER MATCH WAGON

RF 003A

LOT NUMBER
PART 1517
PART 1518
PART 1511

EXCESS LENGTH	3	H
tonnes		20
VB		
AB		0
RA		1
MAX. SPEED		50

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
R	F	Q	R	F	Q	G	7	0	7 0



TARE --	20 300 kg
CARRYING CAPACITY --	
CAPACITY --	
MAX. SPEED --	50 mile/h
WHEELS --	965 DIA
JOURNALS --	254 x 127 PLAIN BEARINGS

BUFFERS --	SELF CONTAINED 330 DIA HEADS
COUPLINGS --	INSTANTER ONE END - AUTOMATIC OTHER END
MIN. CURVE --	31 m
GEN. ARRGT. DRG. No. --	D12/717, D13/3789, F-S-6211
BRAKE --	AIR PIPE & HAND SCREW
SUSPENSION --	EYEBOLT

issue 1

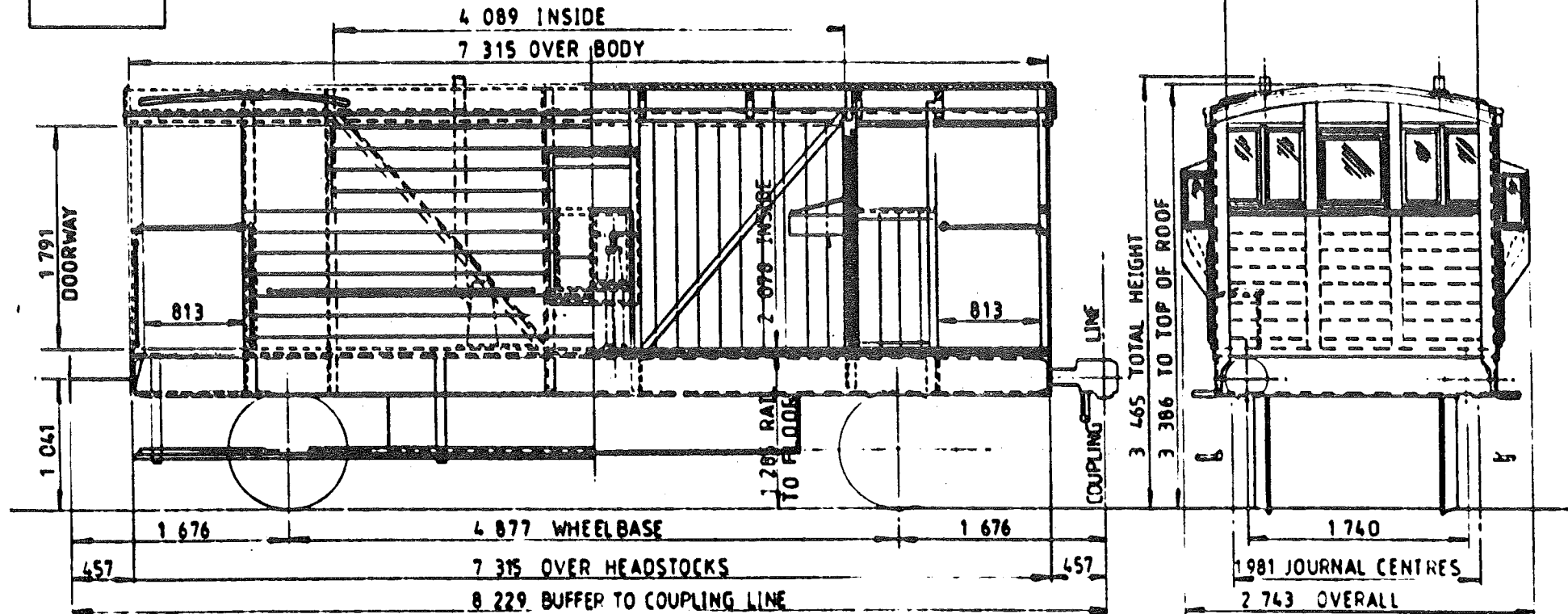
MATCH WAGON

RF 003B

LOT NUMBER
PART 1517
PART 1518
PART 1471

EXCESS LENGTH	3	H
tonnes	20	
VB		
AB	0	
RA	1	
MAX SPEED	50	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
R	F	Q	R	F	Q	G	7	0	7



TARE	20 300 kg
CARRYING CAPACITY -	
CAPACITY -	
MAX SPEED	50 mile/h
WHEELS -	965 DIA
JOURNALS -	254 x 127 PLAIN BEARINGS

BUFFERS	SELF CONTAINED 330 DIA HEADS
COUPLINGS	INSTANTER ONE END - AUTOMATIC OTHER END
MIN. CURVE	31 m
GEN. ARRGT. DRG. No.	D12/717, D13/3789, F-S-6211
BRAKE	AIR PIPE & HAND SCREW
SUSPENSION	EYEBOLT

issue 1

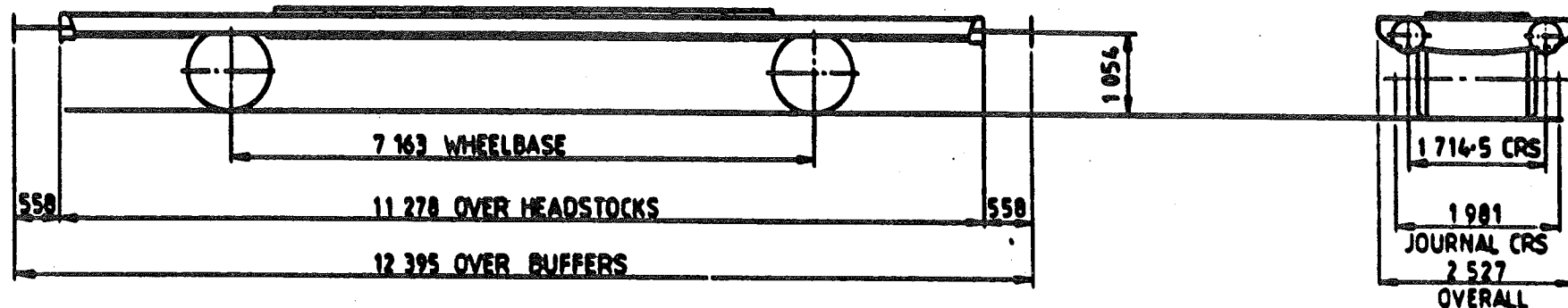
EX. L.M.S. DIAGRAM 2E

ADAPTOR WAGON FOR LTE STOCK

RF013A

LOT NUMBER	
4041	

TOPS INFORMATION									
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS
CARKND		PANEL No.		70 mile/h UP TO					LENGTH
R F Q H				- mile/h ABOVE			17.6 tonne GLW		10
									1
									W1214



TARE-	17 600kg
CAPACITY, WEIGHT-	N/A
CAPACITY, VOLUME-	
MIN. CURVE-	
GEN. ARRGT. DRG. NO.-	U/F SC/ES 3646

BRAKE-	UNFITTED (PIPED AIR ONLY)
SUSPENSION-EYEBOLT	
COUPLINGS-	LTE COUPLER/THREE LINK COUPLING
BUFFERS-	
WHEELS-	3'-6" DIA.
JOURNALS-	10" x 5" PLAIN BEARINGS

ISSUE 1

EX. BR. DIAGRAM A816

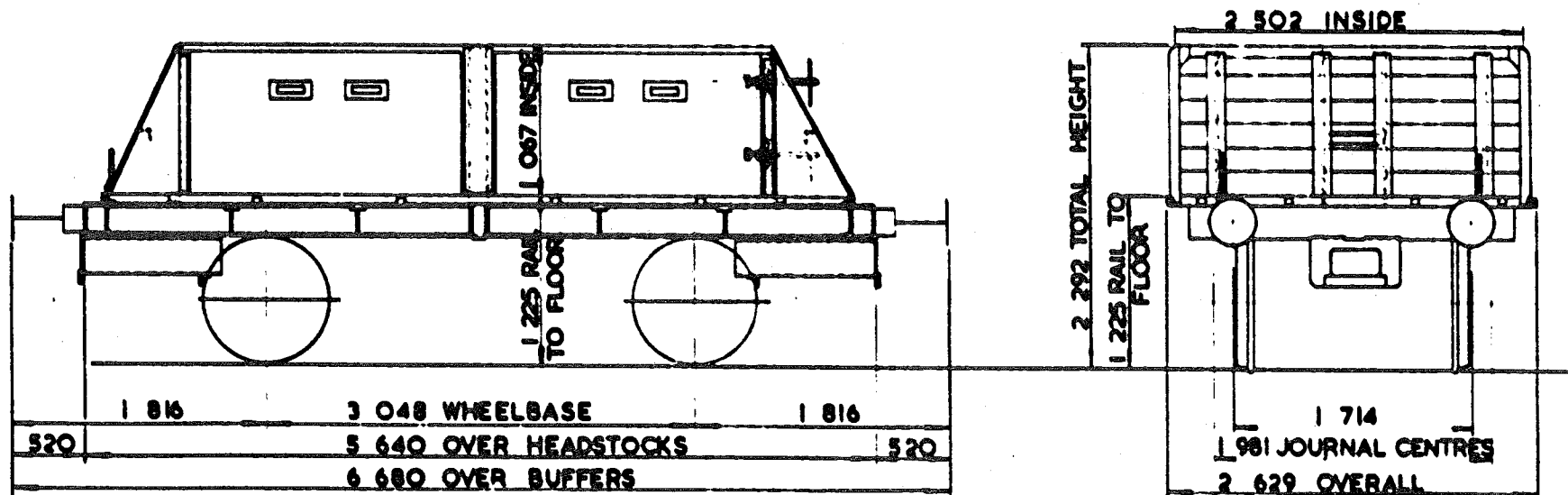
MATCH WAGON

RG001A

LOT NUMBER
EX 3243

EXCESS LENGTH	H	M	L	E
tonnes	7	7	7	7
VB				
AB	O	O	O	O
RA	I	I	I	I
MAX SPEED	45	45	45	45

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
R	G	Q	R	G	Q	F	7	0	4



TARE - 8850kg
CARRYING CAPACITY -
CAPACITY -
MAX SPEED - 45 mile/h
WHEELS - 952 DIA.
JOURNALS - 111 DIA. ROLLER BEARINGS

BUFFERS - HYDRAULIC 330 DIA. HEADS
COUPLINGS - INSTANTER AND BAR COUPLER
MIN CURVE - 21m
GEN. ARRGT ORG No - DE 12376
BRAKE - AIR PIPED & HAND LEVER
SUSPENSION - SHOE

ISSUE 1

EX B.R. DIAGRAM 87

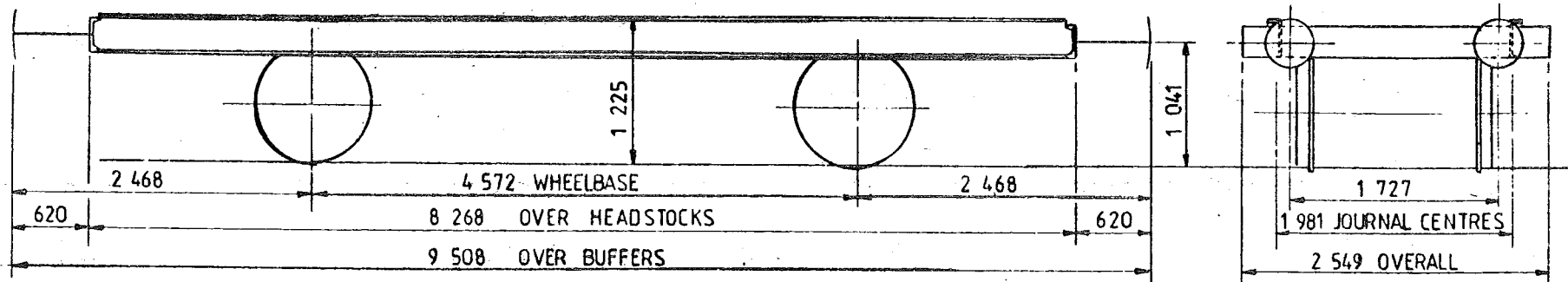
RUNNER WAGON

RR 001C

LOT NUMBER
2734
2862

EXCESS LENGTH	5	H	M	L	E
tonnes	8	8	8	8	8
VB	6	6	6	6	6
AB					
RA	1	1	1	1	1
MAX. SPEED	50	50	50	50	50

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
R	R	V	R	R	V	R	8	7	0 9



TARE -	8 250 kg
CARRYING CAPACITY -	
CAPACITY -	
MAX. SPEED -	50 mile /h
WHEELS -	940 DIA
JOURNALS -	124 DIA ROLLER BEARINGS

BUFFERS -	HYDRAULIC 406 DIA HEADS
COUPLINGS -	INTERNATIONAL SCREW
MIN. CURVE -	31 m
GEN. ARRG. DRG. No. -	DE 11387
BRAKE -	VACCUUM BLOCK & HAND LEVER
SUSPENSION -	EYEBOLT

ISSUE 1.

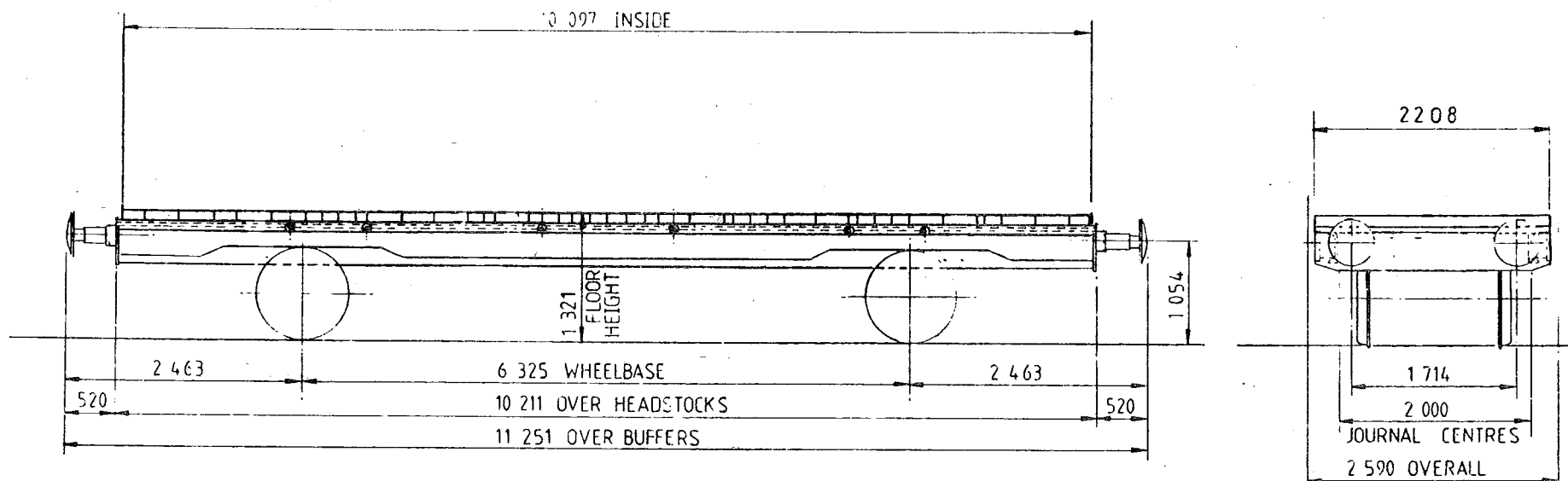
RUNNER WAGON

RR 034 A

LOT NUMBER
PART 3728

EXCESS LENGTH	8	H	M	L	E
tonnes	14	14	14	14	14
VB					
AB	12	12	12	12	12
RA	1	1	1	1	1
MAX SPEED	75	75	75	75	75

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
R	R	A	R	R	A	R	8	5	2



TARE	13 550 kg
CARRYING CAPACITY -	
CAPACITY -	
MAX SPEED	75 mile/h
WHEELS	952 DIA.
JOURNALS	140 DIA ROLLER BEARINGS

BUFFERS - HYDRAULIC 457 DIA. HEADS
COUPLINGS - BR. SCREW
MIN. CURVE - 50m CLOSE COUPLED 41m SINGLE
GEN. ARRGT. DRG. No. - F-S-2496
BRAKE - AIR DISC & HAND LEVER
SUSPENSION - LONG LINK

issue 1

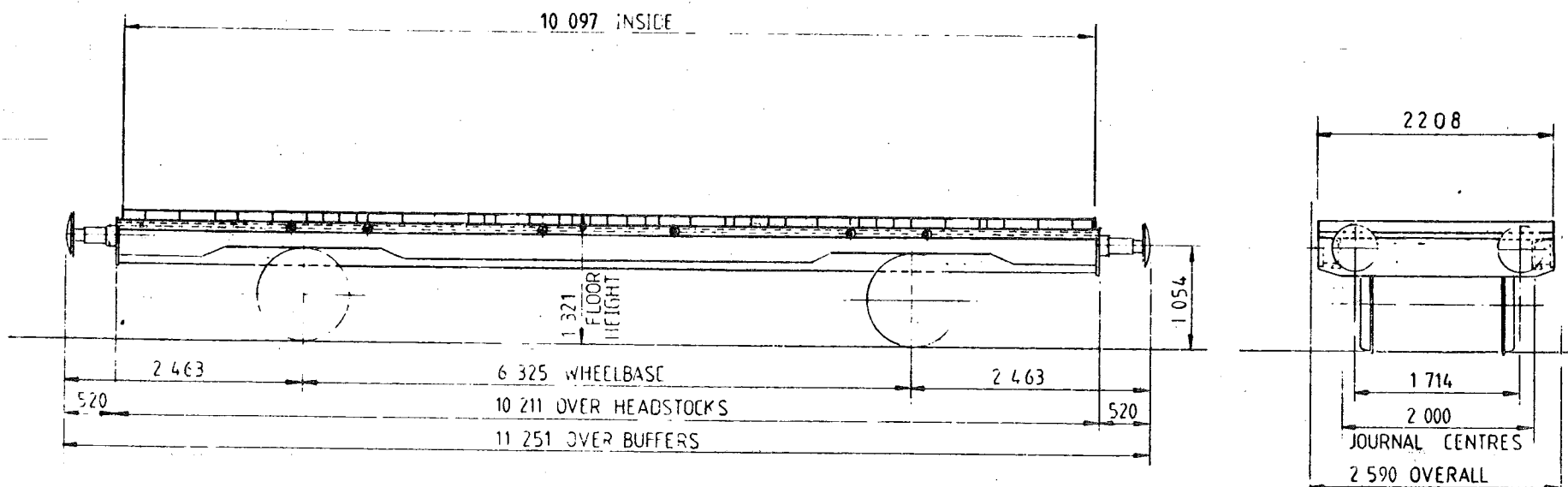
RUNNER WAGON

RR 034B

LOT NUMBER
PART 3728

EXCESS LENGTH 8	H	M	L	E
tonnes	14	14	14	14
VB	0	0	0	0
AB	12	12	12	12
RA	1	1	1	1
MAX SPEED	75	75	75	75

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
R	R	B	R	R	B	R	3	0	4



TARE	13 550 kg
CARRYING CAPACITY-	
CAPACITY-	
MAX SPEED	75 mile/h
WHEELS	952 DIA
JOURNALS	1-0 DIA ROLLER BEARINGS

BUFFERS - HYDRAULIC 457 DIA HEADS
COUPLINGS - BR SCREW
MIN CURVE - 50m CLOSE COUPLED 41m SINGLE
GEN. ARRG. DRG. No. - F-S-2496
BRAKE - AIR DISC & HAND LEVER
SUSPENSION - LONG LINK

issue 1

EX. BR. DIAGRAM 1/440

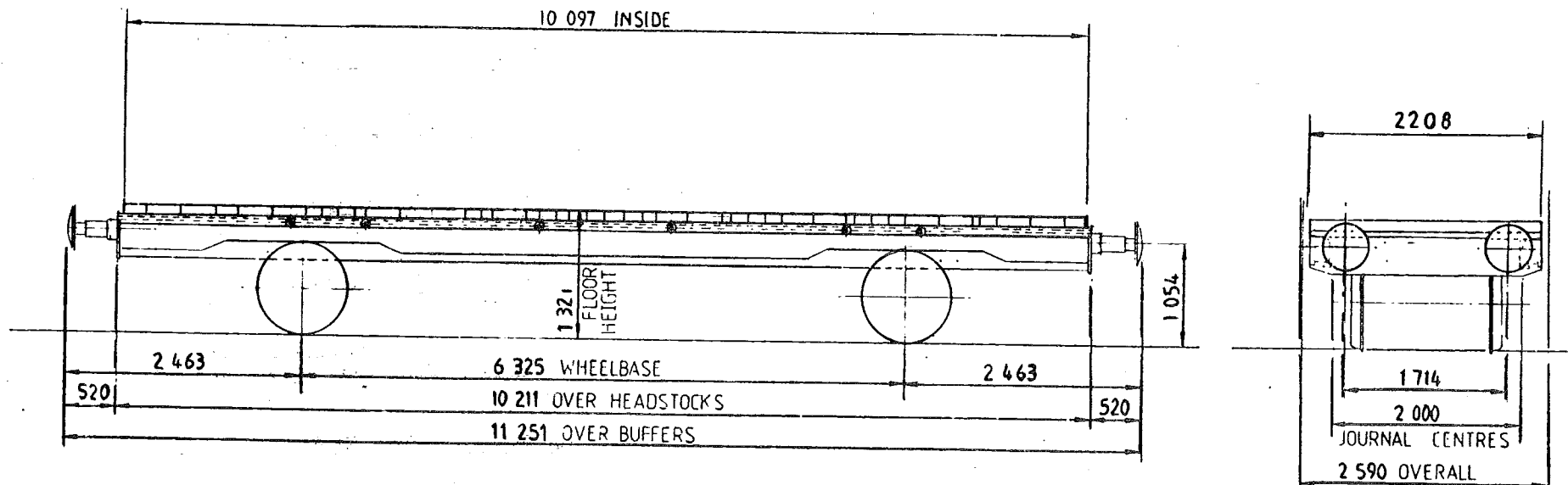
RUNNER WAGON

RR 035 A

LOT NUMBER
PART 3728

EXCESS LENGTH	B	H	M	L	E
tonnes	14	14	14	14	
VB					
AB	12	12	12	12	
RA	1	1	1	1	
MAX SPEED	75	75	75	75	

TOPS CODE									
CARKND	AARKND				PARKND				
R	R	A	R	R	A	R	3	0	4
							3		



TARE	13 550 kg
CARRYING CAPACITY -	
CAPACITY -	
MAX SPEED	75 mile/h
WHEELS	952 DIA.
JOURNALS	140 DIA. ROLLER BEARINGS

BUFFERS	HYDRAULIC 457 DIA. HEADS
COUPLINGS	BR. SCREW
MIN. CURVE	50m CLOSE COUPLED 41m SINGLE
GEN. ARRGT. DRG. No.	- F-A0-4988, F-S-489.
BRAKE	AIR DISC & HAND LEVER
SUSPENSION	LONG LINK

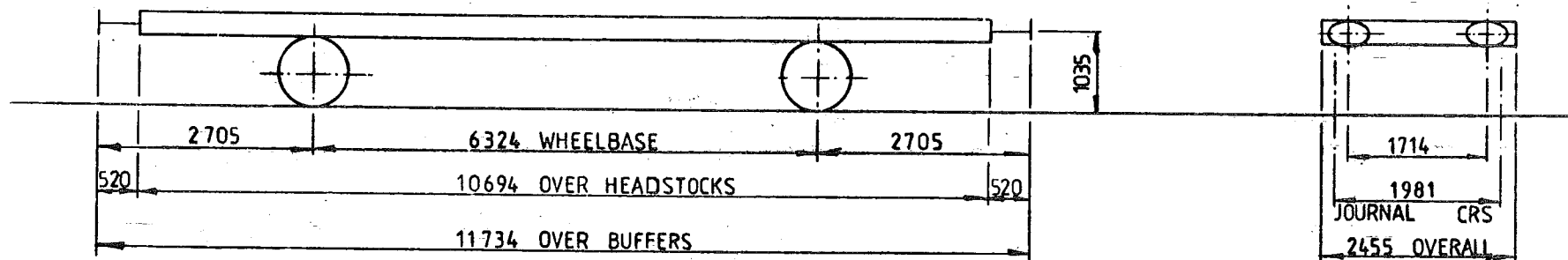
issue 1

RUNNER WAGON

RR039A

LOT NUMBER	
3579	3586

TOPS INFORMATION									
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS
CARKND		PANEL No.		60 mile/h UP TO			10 t BRAKED TO TARE		LENGTH
R	R	B		— mile/h ABOVE			12 tonne GLW		9
									1
									W 1239



TARE-	12 000 kg
CAPACITY, WEIGHT-	—
CAPACITY, VOLUME-	—
MIN. CURVE-	41 m
GEN. ARRG. DRG. NO.-	DN 30671 DN 30686

BRAKE-	AIR BLOCK VACUUM PIPE HAND LEVER
SUSPENSION-	U.I.C. DOUBLE LINK
COUPLINGS-	INSTANTER
BUFFERS-	HYDRAULIC 610 x 356 OVAL HEADS
WHEELS-	952 DIA
JOURNALS-	124 DIA ROLLER BEARINGS

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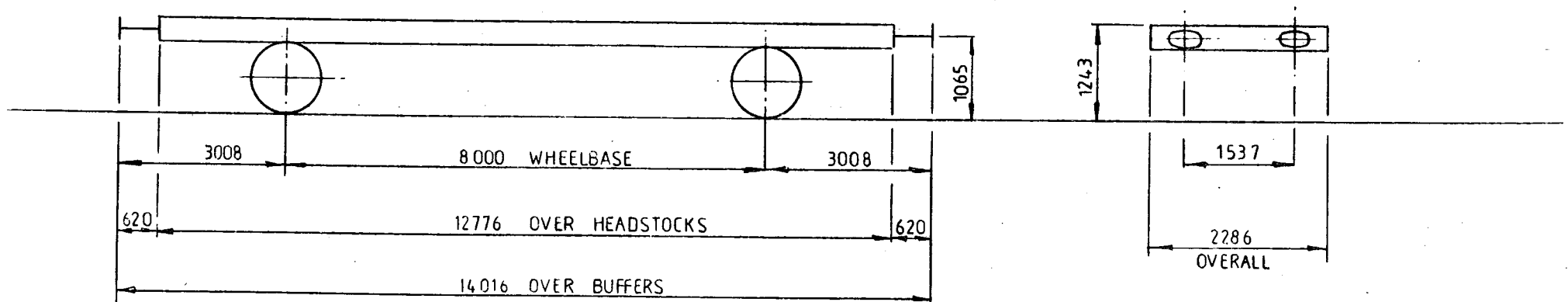
EX. BR. DIAGRAM 235 (EX VQ001C)

BARRIER WAGON

RR043A

LOT NUMBER	
3472	

TOPS INFORMATION									
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH
CARKND		PANEL No.		60 mile/h UP TO			10 t (AIR & VAC) BRAKED TO TARE		12
R	R	X		— mile/h ABOVE			10.5 tonne GLW		RA (GLW)
									1
									DESIGN SHEET
									W 1522



TARE-	10 500 kg
CAPACITY, WEIGHT-	—
CAPACITY, VOLUME-	—
MIN. CURVE-	
GEN. ARRGT. DRG. NO.-	DN 31002

BRAKE-	AIR & VACUUM BLOCK HAND LEVER
SUSPENSION-	PARABOLIC SPRING
COUPLINGS-	INTERNATIONAL SCREW
BUFFERS-	SELF CONTAINED 610×356 OVAL HUS
WHEELS-	
JOURNALS-	ROLLER BEARINGS

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EX. BR. DIAGRAM VJ002A

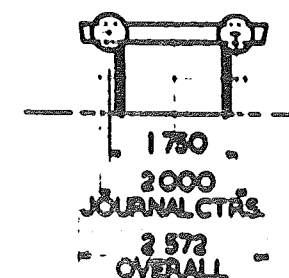
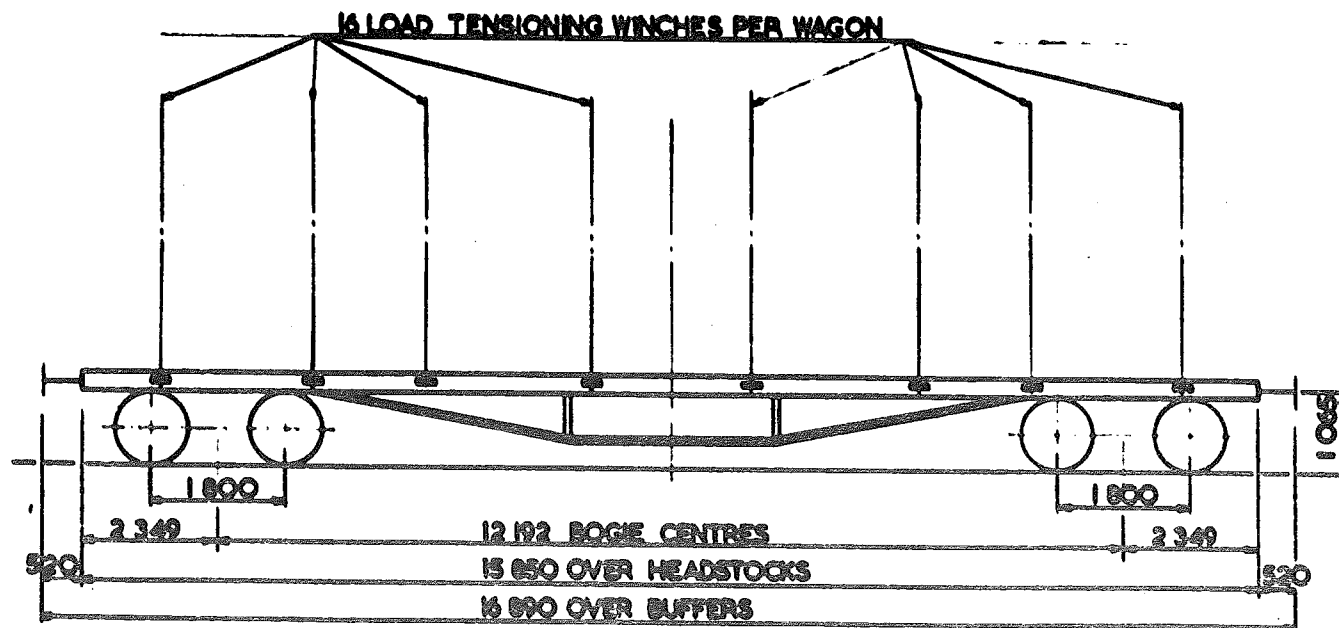
RUNNER WAGON

RRO45A

LOT NUMBER
3901

EXCESS LENGTH	7	H	M	L	E
TONS	63	49	33	22	
VB					
AB	42	131	19	12	
RA	1	1	1	1	
MAX SPEED	60	60	60	60	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
R	R	A	R	R	A	R	O	5	9 3



TARE -	19 800kg
CARRYING CAPACITY -	NOT TO BE LOADED
CAPACITY -	
MAX SPEED -	60 mph
WHEELS -	920 DIA.
JOURNALS -	130 DIA ROLLER BEARINGS

BUFFERS -	HYDRAULIC 457 DIA. HEAD
COUPLINGS -	BR SCREW
MIN CURVE -	22m
GEN ARRG'T DRG No -	
BRAKE -	AIR DISC & HAND SCREW
SUSPENSION -	PRIMARY COIL Y25 C33

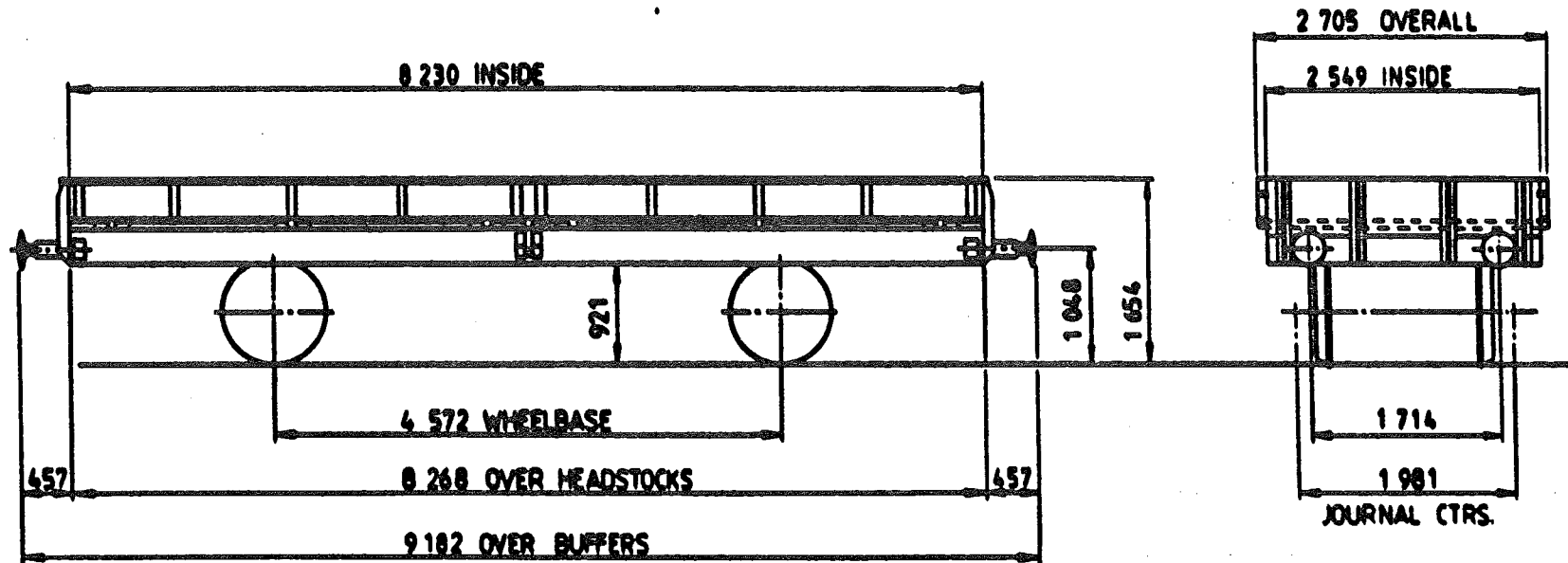
10002 1

REACH WAGON

RS003A

LOT NUMBER	
2327	
2476	
2604	

TOPS INFORMATION												
AARKND		OPERATING		OPERATING SPEED				BRAKE FORCE DATA		EXCESS	RA	DESIGN
CARKND		PANEL No.		50 mile/h UP TO						LENGTH	(GLW)	SHEET
R	S	R	F	mile/h ABOVE						5	1	W2019



TARE-	9 800kg
CAPACITY, WEIGHT-	
CAPACITY, VOLUME-	
MIN. CURVE-	30m
GEN. ARRST. DRG. NO.-	

BRAKE-	HAND LEVER
SUSPENSION-	SHOE
COUPLINGS-	3 LINK
BUFFERS-	SPINDLE 356 Ø HEAD
WHEELS-	952 DIA.
JOURNALS-	10" x 5" PLAIN BEARING

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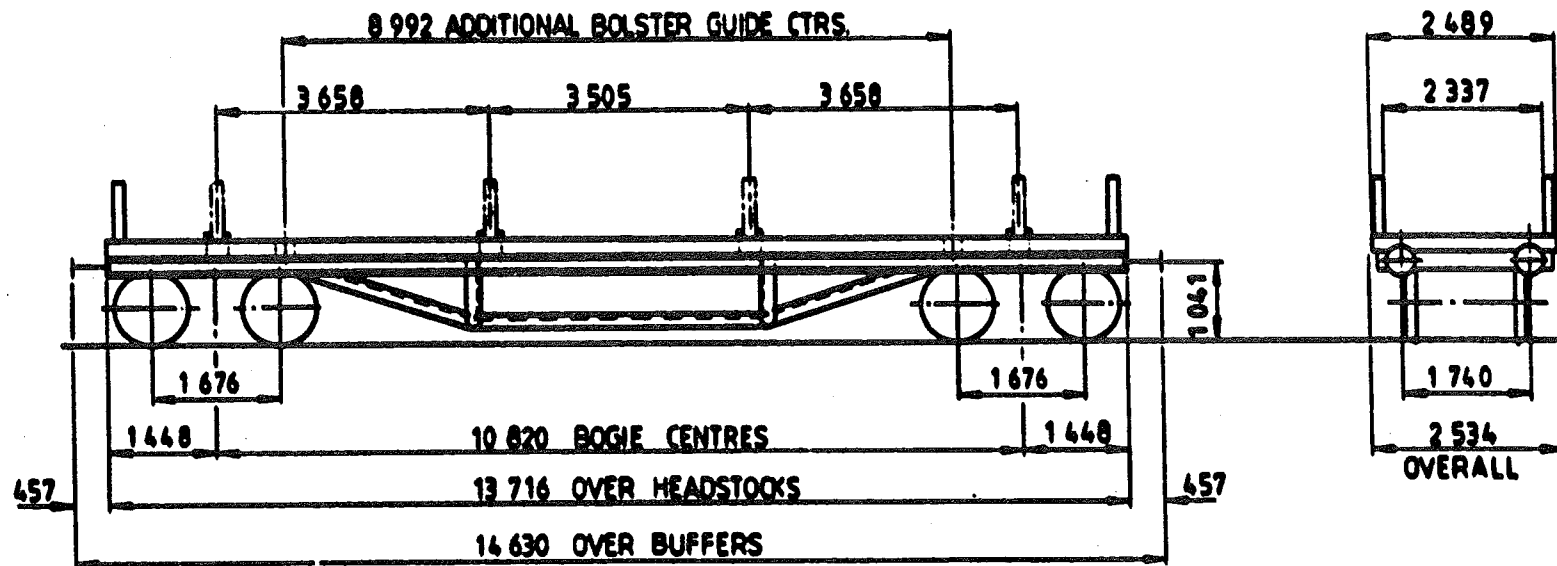
EX. BR. DIAGRAM 8431

REACH WAGON

RS004A

LOT NUMBER	
1273	

TOPS INFORMATION												
AARKND		OPERATING		OPERATING SPEED				BRAKE FORCE DATA		EXCESS LENGTH	RA (GLW)	DESIGN SHEET
CARKND		PANEL No.		50 mile/h UP TO		15.5 tonne GLW		VAC. 12½ CONSTANT		3	1	W2025
R	S	W	A					mile/h ABOVE				



TARE-	15 500kg
CAPACITY, WEIGHT-	N/A
CAPACITY, VOLUME-	
MIN. CURVE-	
GEN. ARRST. DRG. NO.-	

BRAKE-	VACUUM BLOCK & THROUGH AIR PIPE
SUSPENSION-	5'-6" WAGON BOGIE
COUPLINGS-	3 LINK
BUFFERS-	SELF CONTAINED 406mm DIA. HD.
WHEELS-	952 DIA.
JOURNALS-	8"x 4 $\frac{1}{2}$ " PLAIN BEARINGS

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EX. BR. DIAGRAM WJ21