

MECHANICAL  ELECTRICAL
ENGINEERING
BRITISH RAILWAYS BOARD · HEADQUARTERS

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

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(PART 4)

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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 (SC - VJ)
(Part 4)

Revision 8

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

SC001A	VA001A
SC002A	VA001B
SC002C	VB003A
SF002A	VB003B
SG001A	VB003C
SJ001A	VB003D
SJ001B	VB003E
S0001C	VB003H
SP004B	VE001A
SP004J	VF001A
ST009E	VH001A
ST009H	VH002A
ST009N	

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
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VEHICLE DIAGRAM BOOK NO 320

B.R. Revenue freight vehicles (SC - VJ)

(Part 4)

Revision 6

<u>DESIGN CODE</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
SP020A	Remove issue 2 & insert issue 3	Amendment
SP020C	Insert	First issue
VB003J	Remove issue 1 & insert issue 2	Amendment
VB003N	Insert	First issue
VB003R	Insert	First issue
VG001B	Remove issue 1 & insert issue 2	Amendment
VG001C	Remove issue 1 & insert issue 2	Amendment
VG001D	Remove issue 1 & insert issue 2	Amendment
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

(SC - VJ)

<u>DIAGRAM NO</u>	<u>DESCRIPTION</u>	<u>LOT NUMBER</u>
SP020A	46t Plate wagon	3839 3962
SP020C	46t Plate wagon	3839
VB003J	46t Van	3696
VB003N	46t Van	3696
VB003R	46t Van	3696
VG001B	47t Van	4023
VG001C	46t Van	4023
VG001D	46t Van (experimental floor)	4023

VEHICLE DIAGRAM BOOK NO. 320

B.R. Revenue freight vehicles (SC - VJ)
(Part 4)

Revision 5

<u>DESIGN CODE</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
SD001A	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

(SC - VJ)

<u>DIAGRAM NO.</u>	<u>DESCRIPTION</u>	<u>LOT. NUMBER</u>
SD001A	46t 3-Bolster steel carrier	Pt 3962, 3839

Diagram	Description	Lot Numbers
SC001A	34t GLW 2 AXLE COIL WGN	3085
SC002A	32.5t GLW 2 AXLE COIL WGN	2446, 2586
SC002C	28.5t GLW 2 AXLE COIL WGN	2446, 2586.
SF002A	32t GLW 2 AXLE COIL 'A' WGN	3450
SG001A	36t GLW 2 AXLE COIL 'B' WGN	3464, 3478, 3513, 3514, 3484.
SH003A	46t GLW 2 AXLE TIN COIL WGN	3962
SJ001A	31.5 GLW 2 AXLE COIL 'J' WGN	2274, 2275, 2310, 2498, 2601. 2730, 2844, 2988, 3091.
SJ001B	31.5 GLW 2 AXLE COIL 'J' WGN	2274, 2275, 2498, 2730, 2988, 3324.
SK003A	46t GLW ROD COIL WGN	3839
SQ001B	20t GLW PIPE WGN	2004, 2305, 2329, 2458, 2545.
SQ001C	21t GLW PIPE WGN	2046, 2047.
SQ001D	20.5t GLW PIPE WGN	2712, 2845, 2846, 3070.
SQ001E	20.5t GLW PIPE WGN	3167
SQ001H	20.5t GLW PIPE WGN	3335
SP004B	33.5t GLW PLATE WGN	2604
SP004G	33.5t GLW PLATE WGN	2199, 2327, 2476, 2604.
SP004J	33t GLW PLATE WGN	3338

Diagram	Description	Lot Numbers
SP011A	32t GLW PLATE WGN	2734, 2682.
SP011B	33t GLW PLATE WGN	3223, 3338
SP011D	32.5t GLW PLATE WGN	2734, 2862, 3128.
SP011E	33t GLW PLATE WGN	3223, 3338.
SP020A	46t GLW PLATE WGN	3839, 3962.
SP020B	46t GLW PLATE WGN	3839
SR001A	35t GLW 2 AXLE COIL 'R' WGN	3223, 3338
SR001B	35t GLW 2 AXLE COIL 'R' WGN	3223, 3338
ST009B	34t GLW TUBE WGN	2554, 2740, 2867.
ST009C	34t GLW TUBE WGN	3226, 3288, 3332.
ST009D	34t GLW TUBE WGN	3288
ST009E	34t GLW TUBE WGN	3332
ST009H	34t GLW TUBE WGN	2554, 2740, 2867.
ST009J	34t GLW TUBE WGN	2554, 2740, 2867, 3226, 3288, 3332.
ST009L	34t GLW TUBE WGN	2554, 2740, 2867, 3288, 3332.
ST009M	34t GLW TUBE WGN	3332
ST009N	34t GLW TUBE WGN	3288, 3332
SU001A	33t GLW COIL WGN	3429

Diagram	Description	Lot Numbers
VA001A	46t GLW VAN (FULL LENGTH, VENTILATED DOORS)	3685
VA001B	46t GLW VAN (FULL LENGTH, VENTILATED DOORS)	3685
VA001C	46t GLW VAN (FULL LENGTH, VENTILATED DOORS)	3685
VA001D	46t GLW VAN (FULL LENGTH, VENTILATED DOORS)	3685
VB003A	46t GLW VAN (FULL LENGTH DOORS, NO VENT)	3686
VB003B	46t GLW VAN (FULL LENGTH DOORS, NO VENT)	3687
VB003C	46t GLW VAN (FULL LENGTH DOORS, NO VENT)	3726
VB003D	46t GLW VAN (FULL LENGTH DOORS, NO VENT)	3725
VB003E	46t GLW VAN (FULL LENGTH DOORS, NO VENT)	3725
VB003F	46t GLW VAN (FULL LENGTH DOORS, NO VENT)	3840
VB003G	46t GLW VAN (FULL LENGTH DOORS, NO VENT)	3726
VB003H	46t GLW VAN (FULL LENGTH DOORS, NO VENT)	3696
VB003J	46t GLW VAN (FULL LENGTH DOORS, NO VENT)	3696
VB003K	46t GLW VAN (FULL LENGTH DOORS, NO VENT)	3726
VB003L	46t GLW VAN (FULL LENGTH DOORS, NO VENT)	3725
VB003M	46t GLW VAN (FULL LENGTH DOORS, NO VENT)	3686
VB003P	46t GLW VAN (FULL LENGTH DOORS, NO VENT)	3725

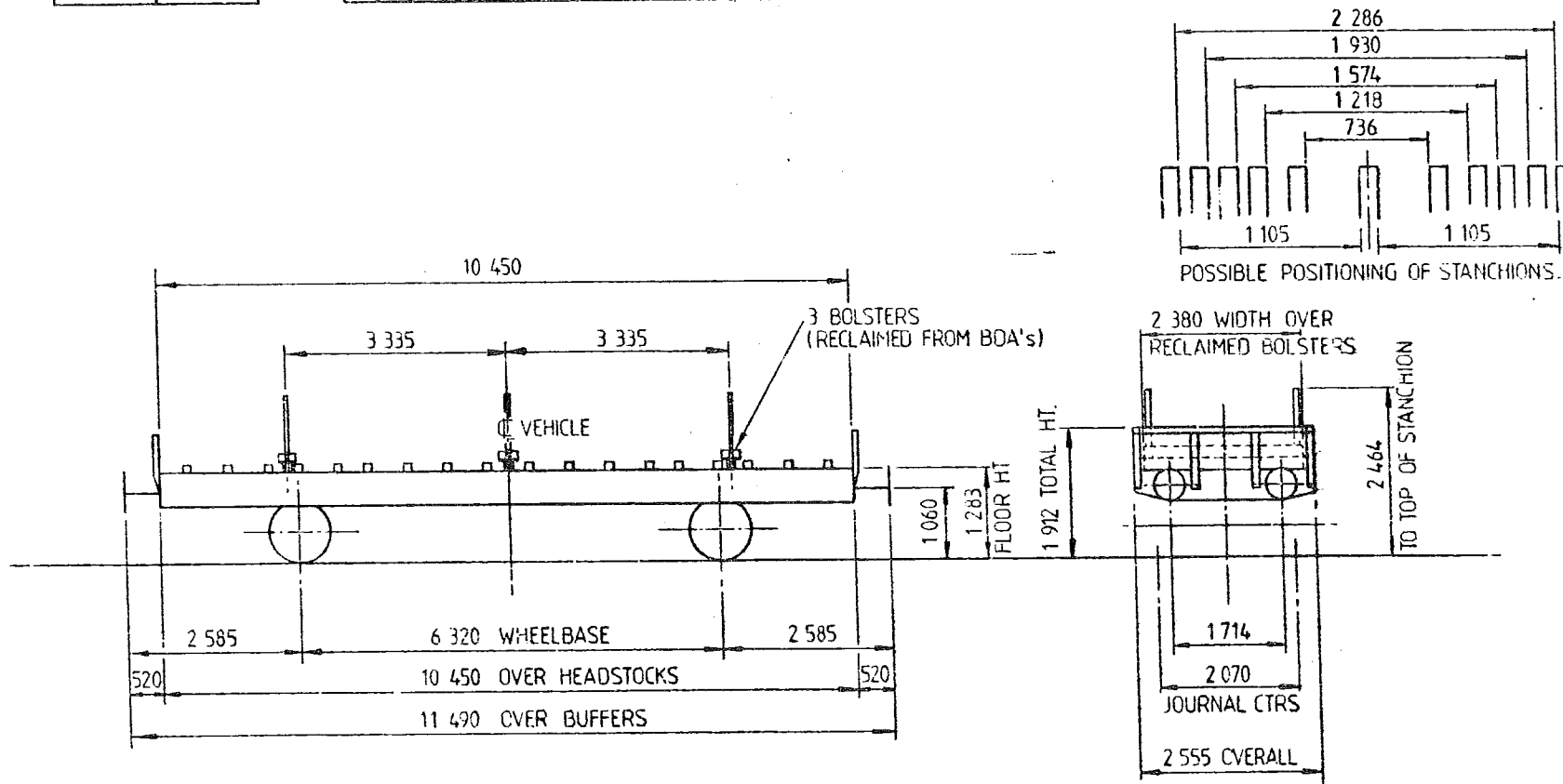
Diagram	Description	Lot Numbers
VC010A	46t GLW VAN, CENTRE DOOR, NO VENT.	3764
VC010D	46t GLW VAN, CENTRE DOOR, NO VENT.	3832
VD001A	41t GLW VAN, CENTRE/END DOORS, NO VENT.	3855, 3908.
VD001B	41t GLW VAN, CENTRE/END DOORS, NO VENT.	3890
VD001C	41t GLW VAN, CENTRE/END DOORS, NO VENT.	3856
VD001D	41t GLW VAN, CENTRE/END DOORS, NO VENT.	3890
VD001F	41t GLW VAN, CENTRE/END DOORS, NO VENT.	3855, 3908.
VE001A	20t GLW VAN (ROLLER BEARINGS)	3391, 3392
VE001B	20t GLW VAN (ROLLER BEARINGS)	3918, 3982, 4017.
VE001D	20t GLW VAN (ROLLER BEARINGS)	4028
VF001A	20t GLW VAN (M.O.D) WITH ALARM	3918, 3982, 4017
VG001A	41t GLW HIGH DOOR VAN	4007
VG001B	47t GLW HIGH DOOR VAN	4023
VG001C	41t GLW HIGH DOOR VAN	4023
VG001D	47t GLW HIGH DOOR VAN	4023
VH001A	41t GLW CURTAIN SIDED VAN	3856
VJ002A	40t GLW VAN (EX FERRY)	3472

46 tonne G.L.W. THREE BOLSTER STEEL CARRIER

SD001A

LOT NUMBER	
PART 3962	
3839	

TOPS INFORMATION						
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA		EXCESS LENGTH
CARKND	PANEL No.	75 mile/h UP TO	41 tonne GLW	VARIABLE LOAD		RA (GLW)
S D A S		60 mile/h ABOVE		- 2.67 x (0.645 x tonne)		DESIGN SHEET
						8
						9
						W1727



TARE-	15 000 kg
CAPACITY, WEIGHT-	31 000 kg
CAPACITY, VOLUME-	
MIN. CURVE-	50m CLOSE COUPLED, 41m SINGLE
GEN. ARRGT. DRG. NO.-	F - S - 17509

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

ISSUE 1.

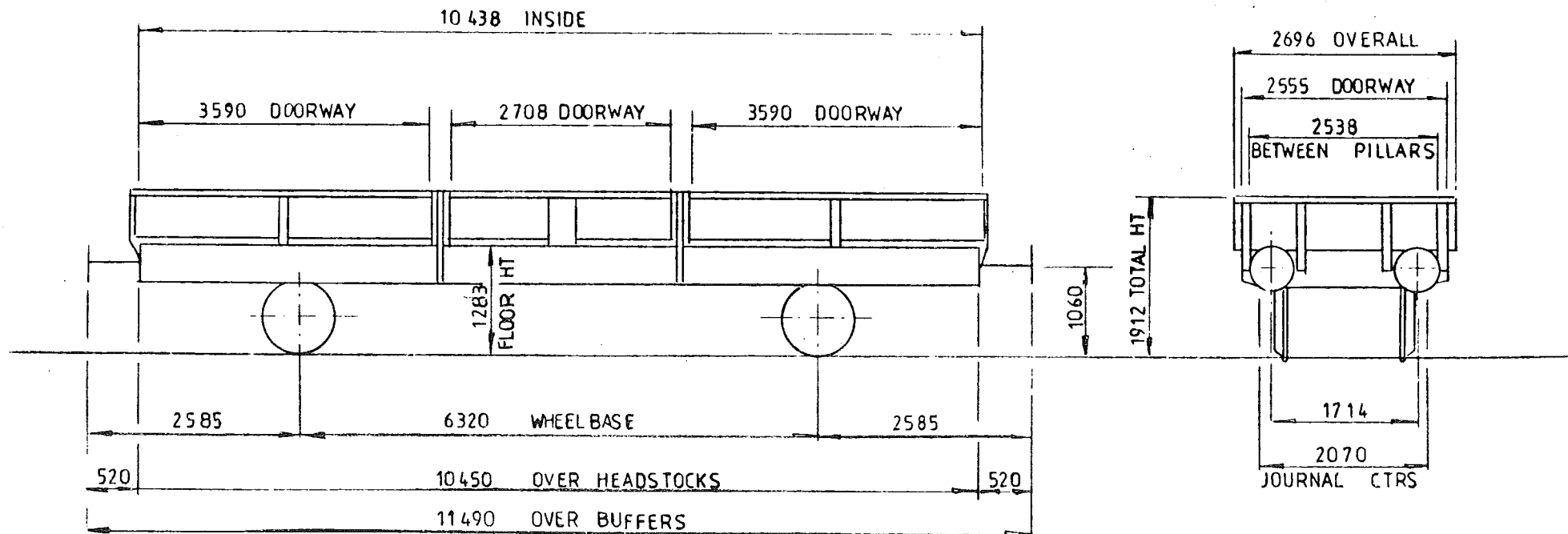
TINPLATE COIL WAGON

SH003A

W 1030

LOT NUMBER	
	3962

TOPS INFORMATION					
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA	EXCESS LENGTH
CARKND	PANEL N ^o .	75 mile/h UP TO		VARIABLE -2.67 + (0.645 x t)	8
S H A K	3 0 3 9	60 mile/h ABOVE			



TARE -	15 000 kg
CAPACITY, WEIGHT -	31500 kg
CAPACITY, VOLUME -	16.8 m ³
MIN. CURVE - 50m CLOSE	41m SINGLE
GEN. ARRGT. DRG. N ^o -	F-S-17509

BRAKE -	AIR DISC	HAND LEVER
SUSPENSION -	FAT 7C	SINGLE LINK
COUPLINGS -	B.R. SCREW	
BUFFERS -	HYDRAULIC 457 DIA HEADS	
WHEELS -	952 DIA	
JOURNALS -	140 DIA ROLLER BEARINGS	

ISSUE 1

EX. BR. DIAGRAM KT003A

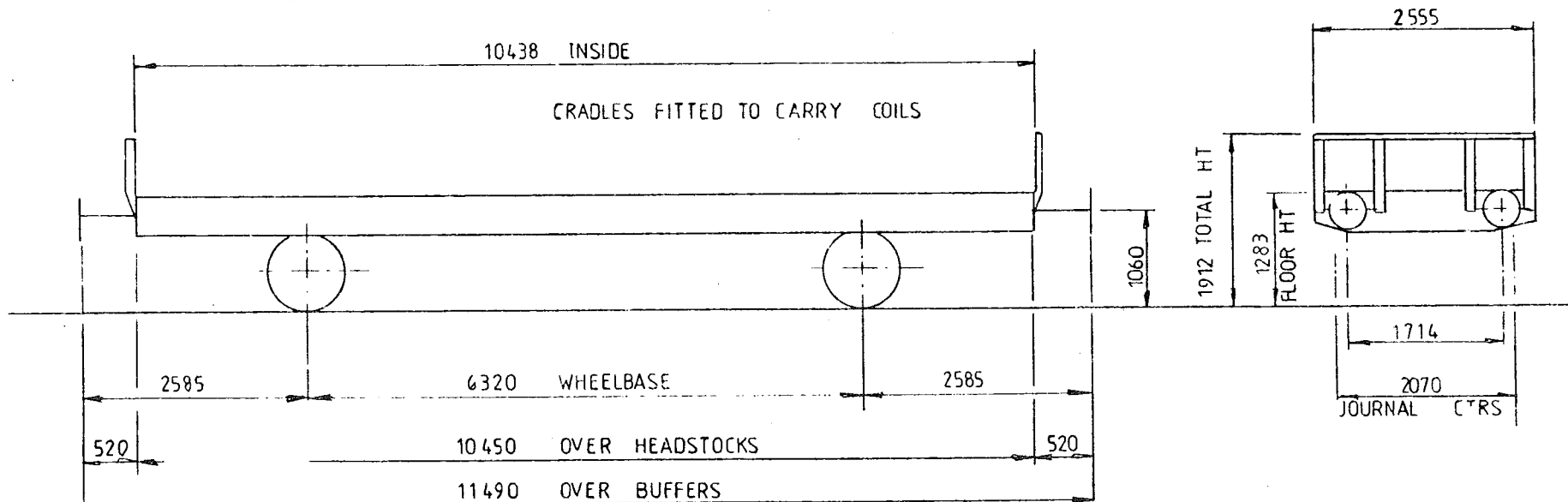
ROD COIL WAGON

SK003A

W 1032

LOT NUMBER	
3962	3839

TOPS INFORMATION										
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH	
CARKND		PANEL N ^o .		60 mile/h UP TO			VARIABLE		8	
S K A K		3 0 3 9		75 mile/h ABOVE			-2.67 + (0.645 x t)			



TARE -	15000 kg
CAPACITY, WEIGHT -	31000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	50m Close coupled, 41m. Single
GEN ARRGT. DRG. N ^o -	F-S-17509

BRAKE -	AIR DISC, HAND LEVER
SUSPENSION -	FRICTION CONTROLLED PARABOLIC
COUPLINGS -	B R SCREW
BUFFERS -	HYDRAULIC 457 DIA HEADS
WHEELS -	952 DIA
JOURNALS -	140 DIA ROLLER BEARINGS

ISSUE 1

EX. BR. DIAGRAM

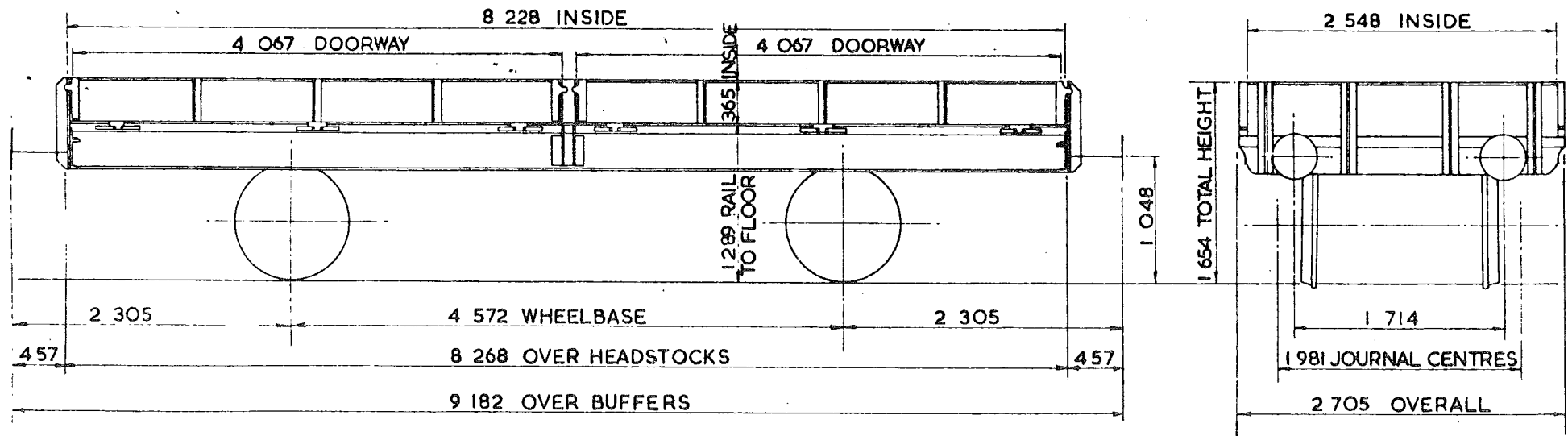
PLATE WAGON

\$P004G

LOT NUMBER
PART 2199
PART 2327
PART 2476
PART 2604

EXCESS LENGTH	5	H	M	L	E
tonnes	30	24	15	10	
VB	6	6	6	6	
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No		
\$ P V	\$ P V C		2	5	0



TARE - 10 800kg
CARRYING CAPACITY - 22 500kg
CAPACITY - 7.652 m ³
MAX SPEED - 50 m/h.
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - SPINDLE 356 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 31m
GEN. ARRGT. DRG. No. - 18513N
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE

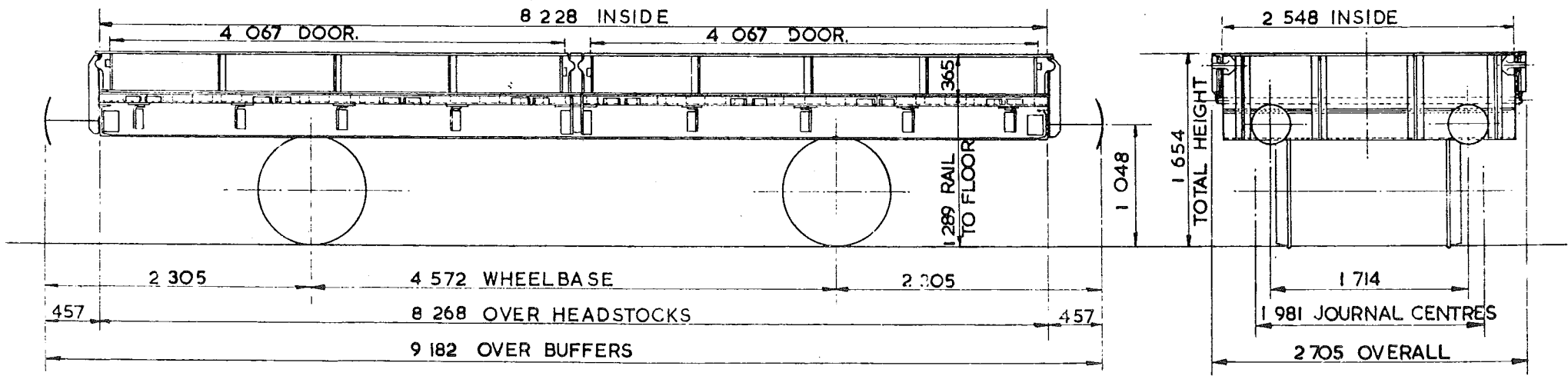
\$POIIA

PLATE WAGON

LOT NUMBER
PART 2734
PART 2862

EXCESS LENGTH	5	H	M	L	E
tonnes	30	24	15	10	
VB	6	6	6	6	
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARK NO	AAPKNO	COUPLING RANGE No			
\$ P V	\$ P V C	2	5	0	



TARE - 9 ⁸⁵⁰ kg
CARRYING CAPACITY - 22 ⁵⁰⁰ kg
CAPACITY - 7.652M ³
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 254 x 127 PLAIN BEARINGS

BUFFERS - SPINDLE 356 DIA HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 31m
GEN. ARRGT. DRG. No - DN 20537
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE

ISSUE 2

EX. BR. DIAGRAM 432

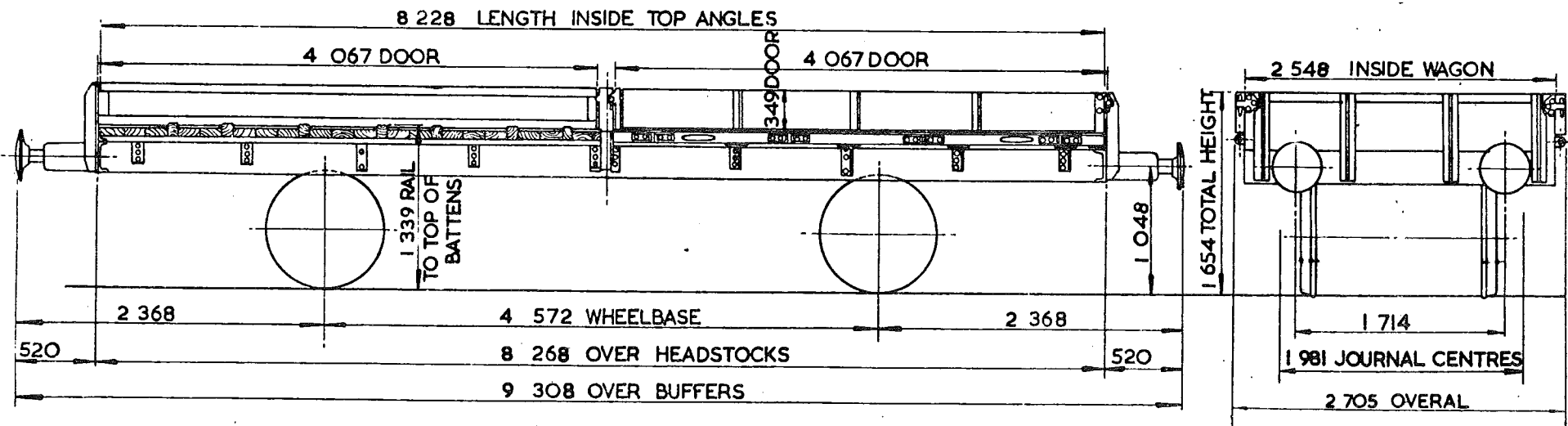
PLATE WAGON

\$P011B

LOT NUMBER
PART 3223
PART 3338

EXCESS LENGTH	5	H	M	L	E
TONNES	30	24	15	10	
VB	6	6	6	6	
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND		AARKND		OPERATING PANEL No.	
\$ P V	\$ P V	C	2	5	0



TARE - 10 300 kg.
CARRYING CAPACITY - 22 500 kg.
CUBIC CAPACITY - 6.861 m ³
MAX. SPEED - 50 m.p.h.
WHEELS - 952 DIA.
JOURNALS - 254x127 PLAIN BEARINGS.

BUFFERS - HYDRAULIC 406 DIA. HEADS
COUPLINGS - INSTANTER.
MIN. CURVE - 31 m
GEN. ARRG. DRG. No. - DN 27530.
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE.

ISSUE 2

EX.B.R. DIAGRAM 434

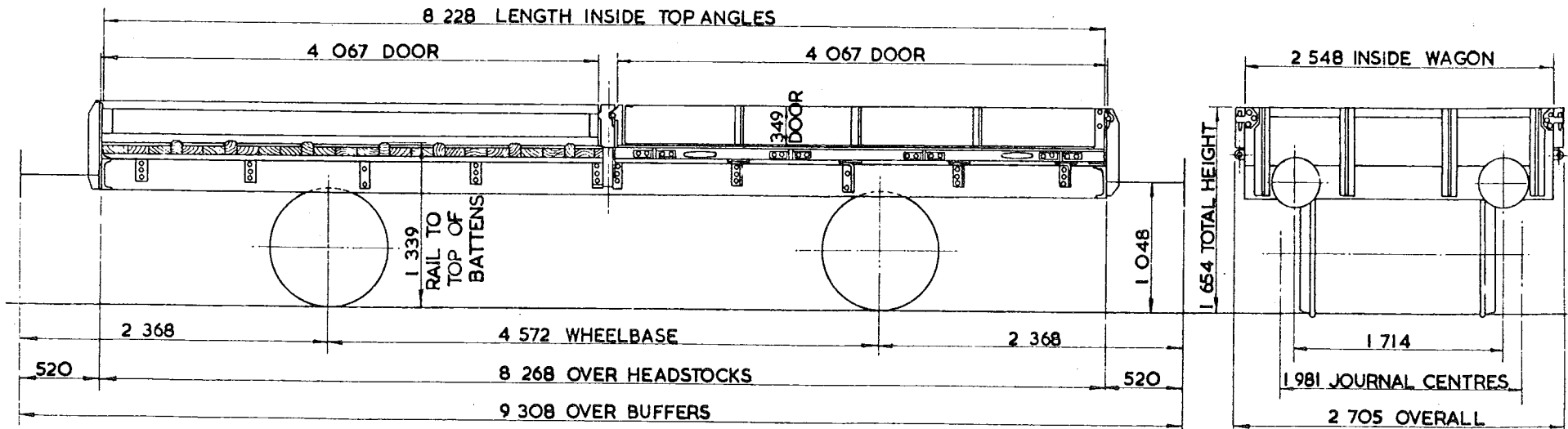
PLATE WAGON

\$P O I I E

LOT NUMBER
PART 3223
PART 3338

EXCESS LENGTH	5	H	M	L	E
tonnes	30	24	15	10	
VB	6	6	6	6	
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE										
CARKND			AARKND			OPERATING PANEL No				
\$	P	V	\$	P	V	C		2	5	0



TARE - 10 ³⁰⁰ kg
CARRYING CAPACITY - 22 ⁵⁰⁰ kg
CAPACITY - 6.661 m ³
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA ROLLER BEARINGS

BUFFERS - HYDRAULIC 406 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 31 m
GEN. ARRGT. DRG. No. - DN 27530
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE

ISSUE 2

EX. B.R. DIAGRAM 434

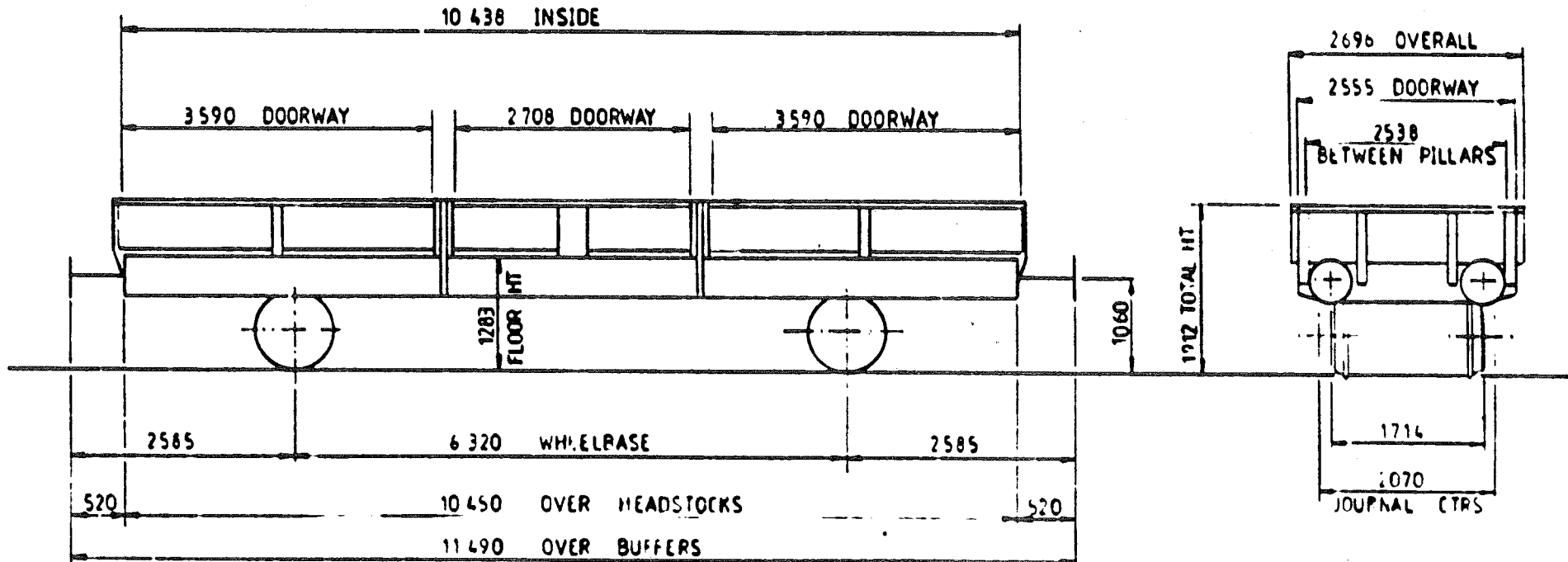
46 tonne G.L.W. PLATE WAGON

SP020A

LOT NUMBER
PART 3962
3839

EXCESS LENGTH	8	H	M	L	E
tonnes	43	40	23	15	
VB					
AB	27	24	12	7	
RA	9				
MAX SPEED	60	75	75	75	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
S	P	A	S	P	A
E	3	C	3	9	



TARE -	15 000 Kg
CARRYING CAPACITY -	31 000 Kg
CAPACITY -	16 77 m ³
MAX SPEED -	60 miles/h at 46t G.L.W. 75 miles/h at 41t G.L.W.
WHEELS -	Ø 952
JOURNALS -	Ø 140 ROLLER BEARINGS

BUFFERS	HYDRAULIC	Ø 457 HEADS
COUPLINGS	B R SCREW	
MIN CURVE	50m CLOSE COUPLED 21m SINGLE	
GEN ARRGT DRG No	F S - 17509	
BRAKE	AIR DISC, HAND LEVER	
SUSPENSION	FRICTION CONTROLLED PARABOLIC	

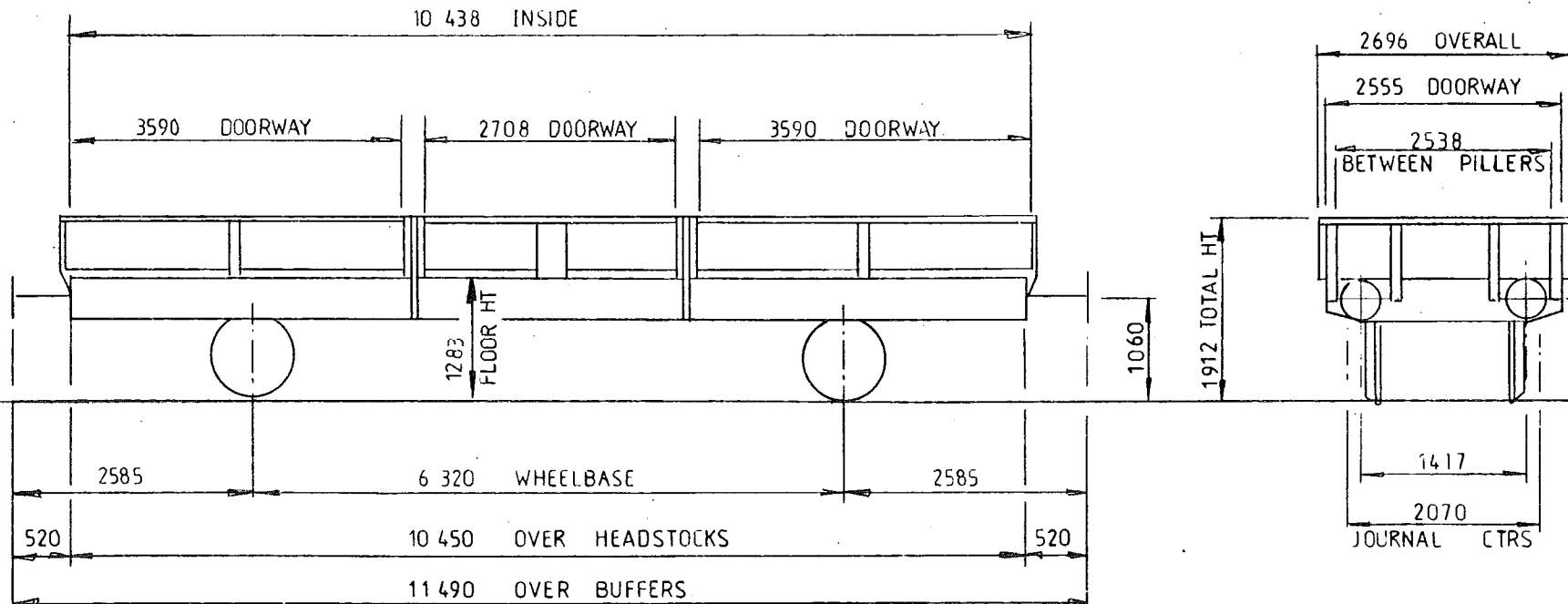
ISSUE 3

46t GLW PLATE WAGON

SP020B

LOT NUMBER	
3839	

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		8	8		
S	P	A	F	3	0	5	4				60 mile/h ABOVE



TARE-	17 000 kg
CAPACITY, WEIGHT-	29 000 kg
CAPACITY, VOLUME-	15.8 m ³
MIN. CURVE-	50m CLOSE 41m SINGLE
GEN. ARRGT. DRG. NO.-	F.S-17509

BRAKE-	AIR DISC	HAND LEVER
SUSPENSION-	FRICTION CONTROLLED PARABOLIC	
COUPLINGS-	B.R. SCREW	
BUFFERS-	HYDRAULIC	457 DIA HEADS
WHEELS-	952 DIA	
JOURNALS-	140 DIA ROLLER BEARING	

ISSUE 1

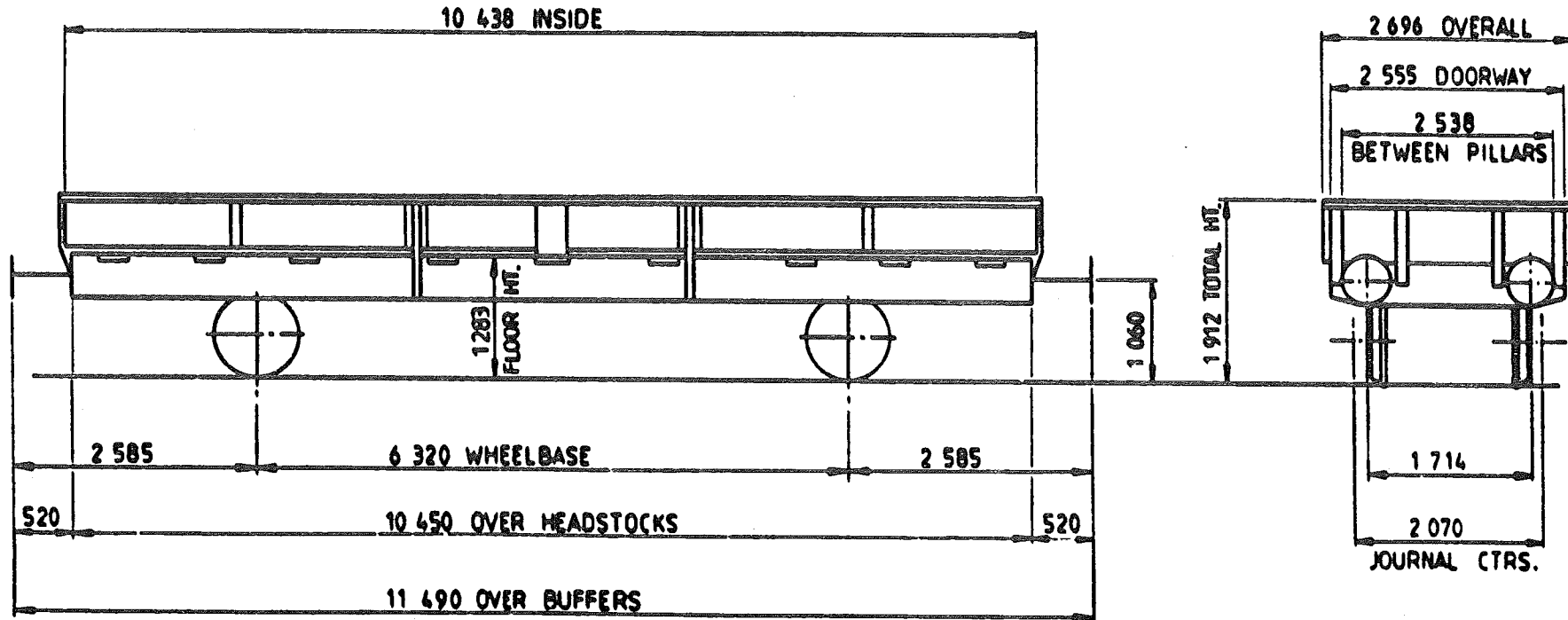
EX. BR. DIAGRAM

46 t GLW PLATE WAGON

SP020C

LOT NUMBER	
3839	

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	-4.703 * (0.689 x tonnes)	8	8	W1792
S	P	A	F				



TARE-	15 000kg
CAPACITY, WEIGHT-	31 000kg
CAPACITY, VOLUME-	16.77 m ³
MIN. CURVE-	50 CLOSE 41m SINGLE
GEN. ARRGT. DRG. NO.-	F - S - 17509

BRAKE-	AIR DISC, HAND LEVER
SUSPENSION-	FRICTION CONTROLLED PARABOLIC
COUPLINGS-	B.R. SCREW
BUFFERS-	HYDRAULIC 457 DIA. HEADS
WHEELS-	952 DIA.
JOURNALS-	160 DIA. ROLLER BEARING

ISSUE 1

EX. BR. DIAGRAM

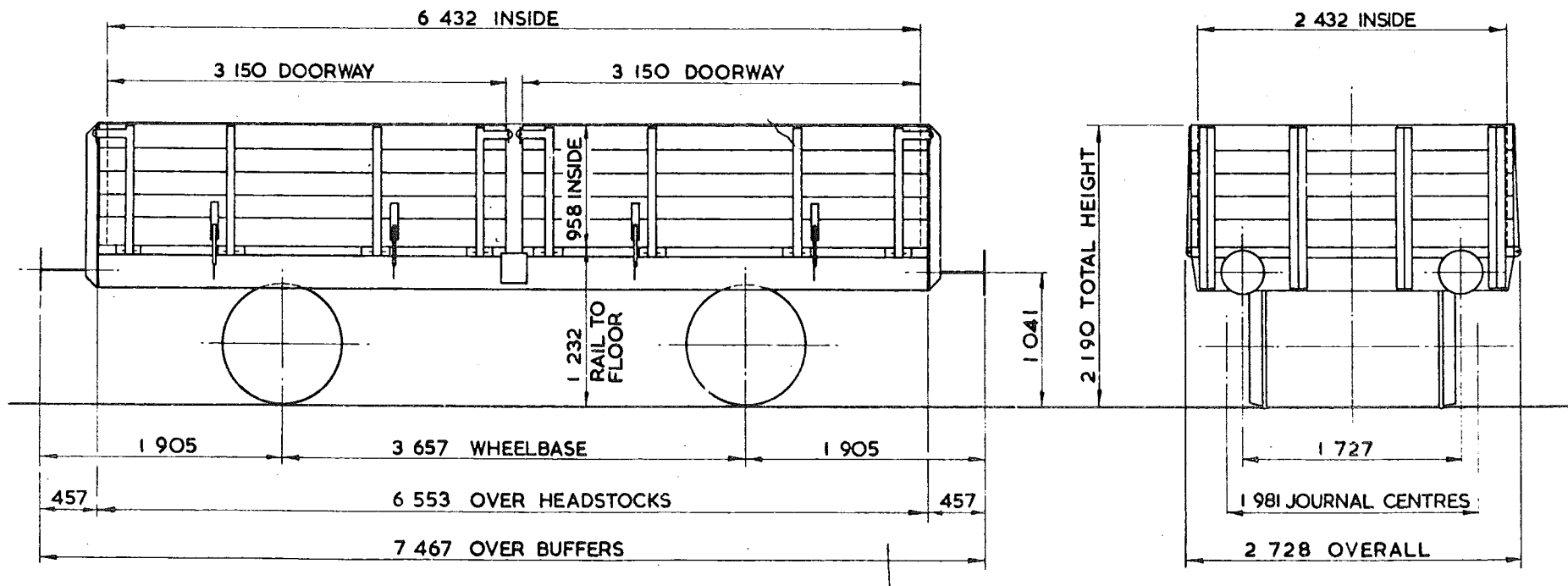
PIPE WAGON

\$Ø 001B

LOT NUMBER
PART 2545
2004
2305
2329
2458

EXCESS LENGTH	2	H	M	L	E
tonnes	19	16	12	9	
VB	3	3	3	3	
AB					
RA	1	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE										
CARKND			AARKND			OPERATING PANEL No				
\$	Ø	V	\$	Ø	V	C			3	9



TARE -	8 000 kg
CARRYING CAPACITY	12 000 kg
CAPACITY	14.985 m ³
MAX. SPEED	50 mile / h
WHEELS -	952 DIA.
JOURNALS -	228 X 108 PLAIN BEARINGS

BUFFERS -	SPINDLE 330 DIA. HEADS
COUPLINGS	INSTANTER
MIN. CURVE	26 m
GEN ARRGT. DRG. No.	D13/3856 SW/DE 34302
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	SHOE

ISSUE 2

EX. B.R. DIAGRAM 1/460

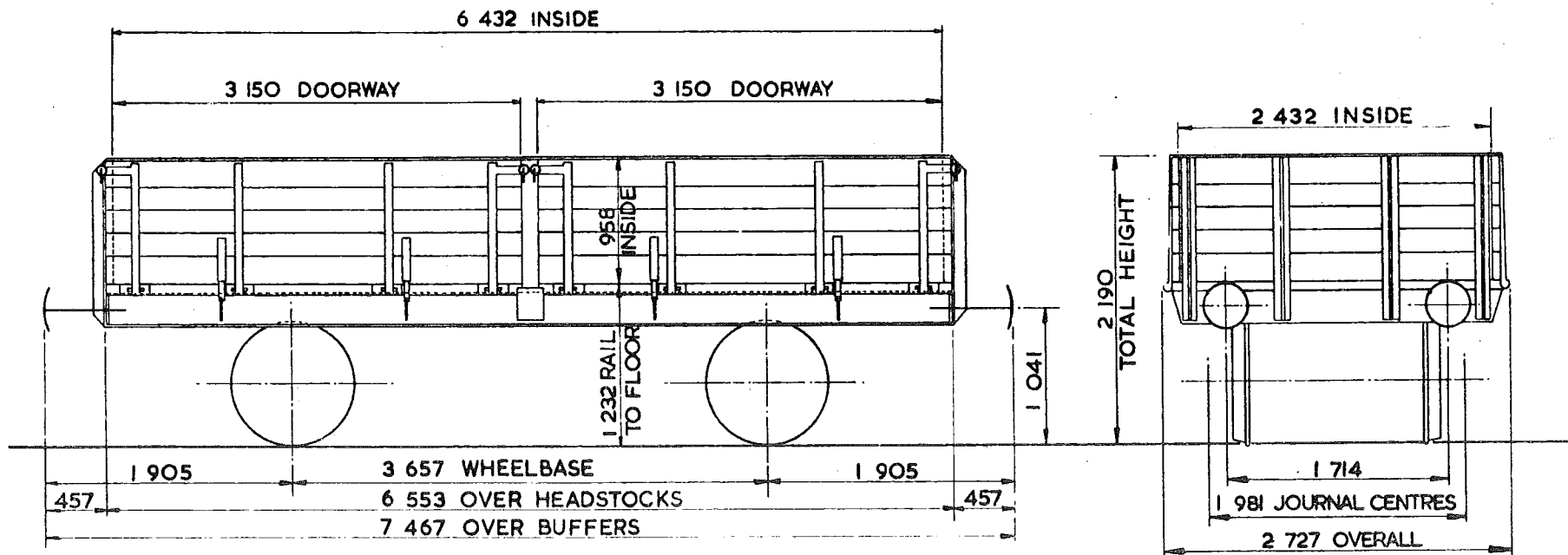
PIPE WAGON

\$ØØOID

LOT NUMBER
2712
2845
2846
3070

EXCESS LENGTH	2	H	M	L	E
tonnes	19	16	12	9	
VB	3	3	3	3	
AB					
RA	1	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
\$ Ø V	\$ Ø V C			3	9



TARE - 8 450 kg
CARRYING CAPACITY - 12 000 kg
CAPACITY - 14.985m ³
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 228 x 108 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26 m
GEN. ARRGT. DRG. No. - SW/DE 34302 - BODY D13/4909 U/F RAME
BRAKE - VACUUM BLOCK & HAND LEVER.
SUSPENSION - SHOE

ISSUE 2
EX. BR. DIAGRAM 1/462

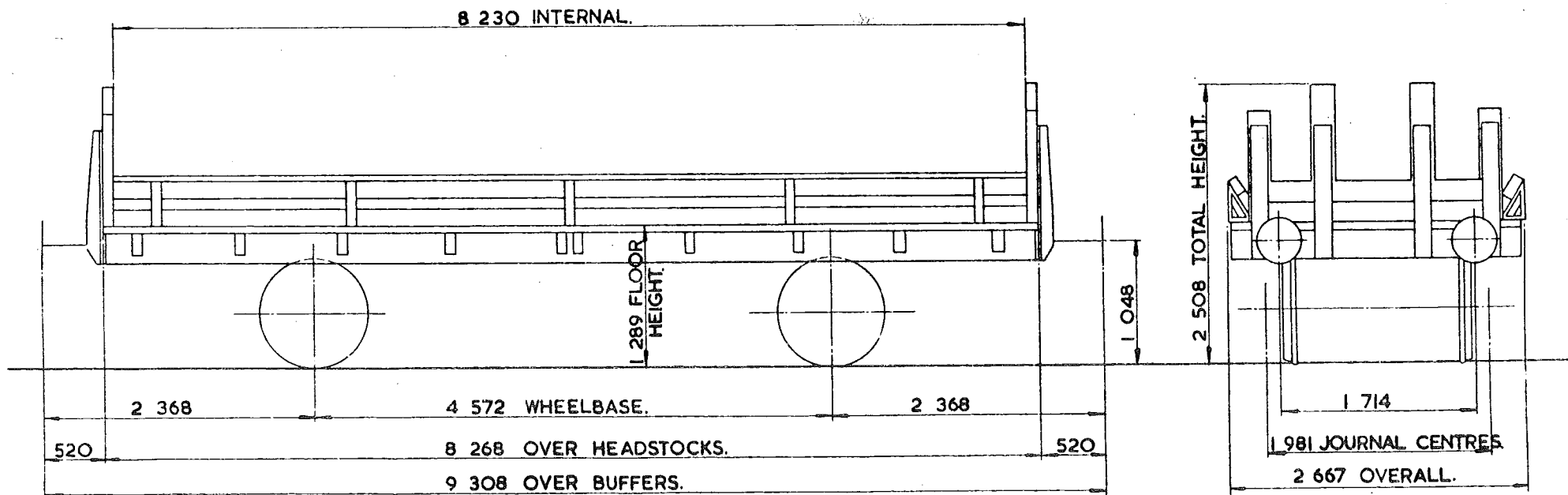
COIL 'R' WAGON

SROO1A

LOT NUMBER
PART 3223
PART 3338

EXCESS LENGTH	5	H	M	L	E
tonnes	31	25	16	10	
VB	6	6	6	6	
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No		
S	R	V	S	R	V
K			3	1	2



TARE --	10 000kg.
CARRYING CAPACITY--	20 500kg.
CAPACITY--	
MAX. SPEED --	50 mile/h.
WHEELS --	952 DIA.
JOURNALS --	124 DIA. ROLLER BEARINGS.

BUFFERS --	HYDRAULIC 457 DIA HEADS
COUPLINGS --	INSTANTER.
MIN. CURVE --	31m.
GEN. ARRGT. DRG. No. --	DN 27530 <small>YKCFD 68</small> <small>YKCFD 79</small>
BRAKE --	VACUUM BLOCK & HAND LEVER.
SUSPENSION --	SHOE.

ISSUE 2

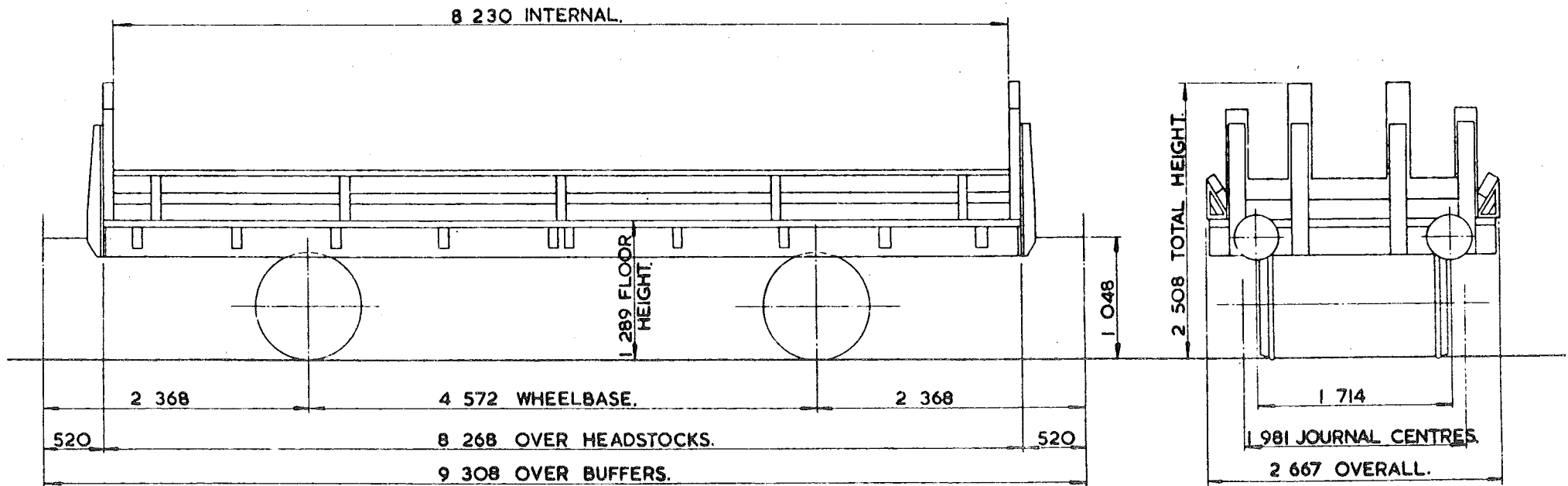
COIL 'R' WAGON

SR001B

LOT NUMBER
PART 3223
PART 3338

EXCESS LENGTH	5	H	M	L	E
tonnes	31	25	16	10	
VB	6	6	6	6	
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
S	R	V	S	R	V
K			3	1	2



TARE -	10 000 kg.
CARRYING CAPACITY -	20 500 kg.
CAPACITY -	
MAX. SPEED -	50 mile/h.
WHEELS -	952 DIA.
JOURNALS -	254 x 127 DIA PLAIN BEARINGS

BUFFERS -	HYDRAULIC 457 DIA HEADS
COUPLINGS -	INSTANTER.
MIN. CURVE -	31m.
GEN. ARRGT. DRG. No. -	DN 27530 <small>YKCFD 68</small> <small>YKCFD 79</small>
BRAKE -	VACUUM BLOCK & HAND LEVER.
SUSPENSION -	SHOE.

ISSUE 1

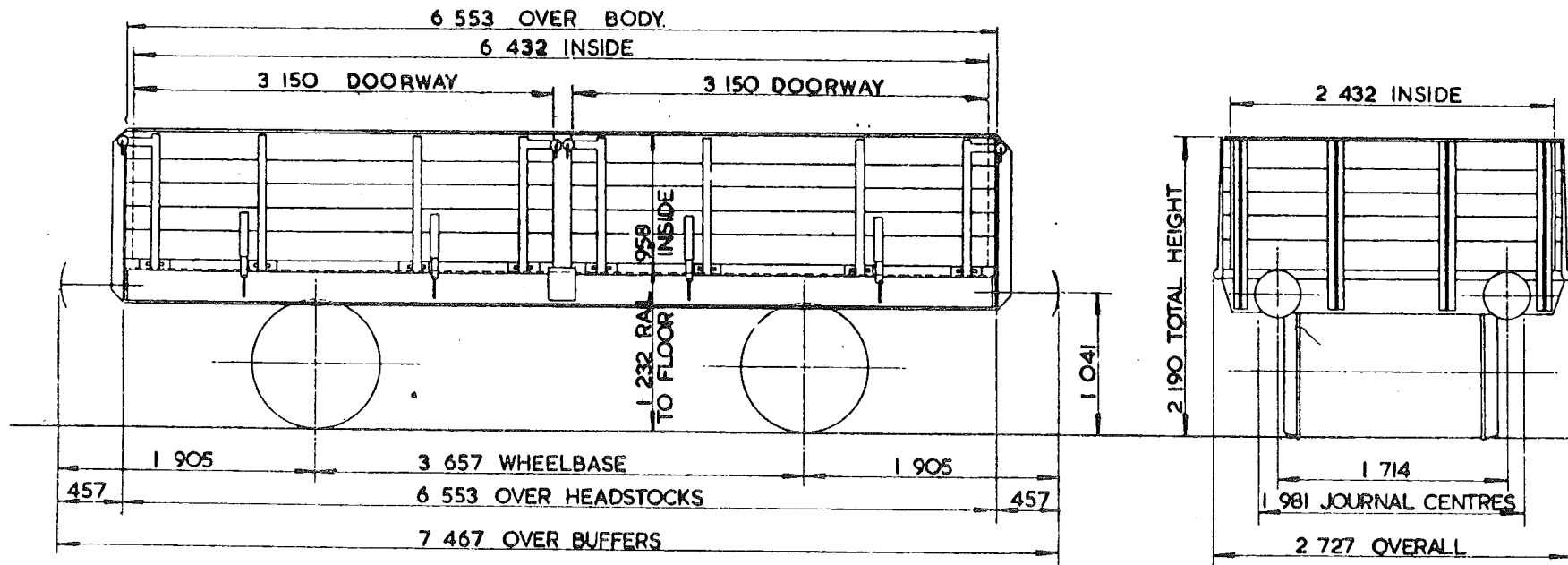
PIPE WAGON

\$0001E

LOT NUMBER
3167

EXCESS LENGTH	2	H	M	L	E
tonnes	19	16	12	9	
VB	3	3	3	3	
AB					
RA	1	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
\$	Ø	V	\$	Ø	V C
					3 9



TARE	8 460 kg
CARRYING CAPACITY	12 000 kg
CAPACITY	15.185 m ³
MAX SPEED	50 mile/h
WHEELS	952 DIA.
JOURNALS	228 x 108 PLAIN BEARINGS

BUFFERS	HYDRAULIC 406 DIA. HEADS.
COUPLINGS	INSTANTER
MIN. CURVE	26 m
GEN. ARRGT. DRG. No.	SW/DE 36040 & SW/DE 36061
BRAKE	VACUUM BLOCK & HAND LEVER
SUSPENSION	SHOE

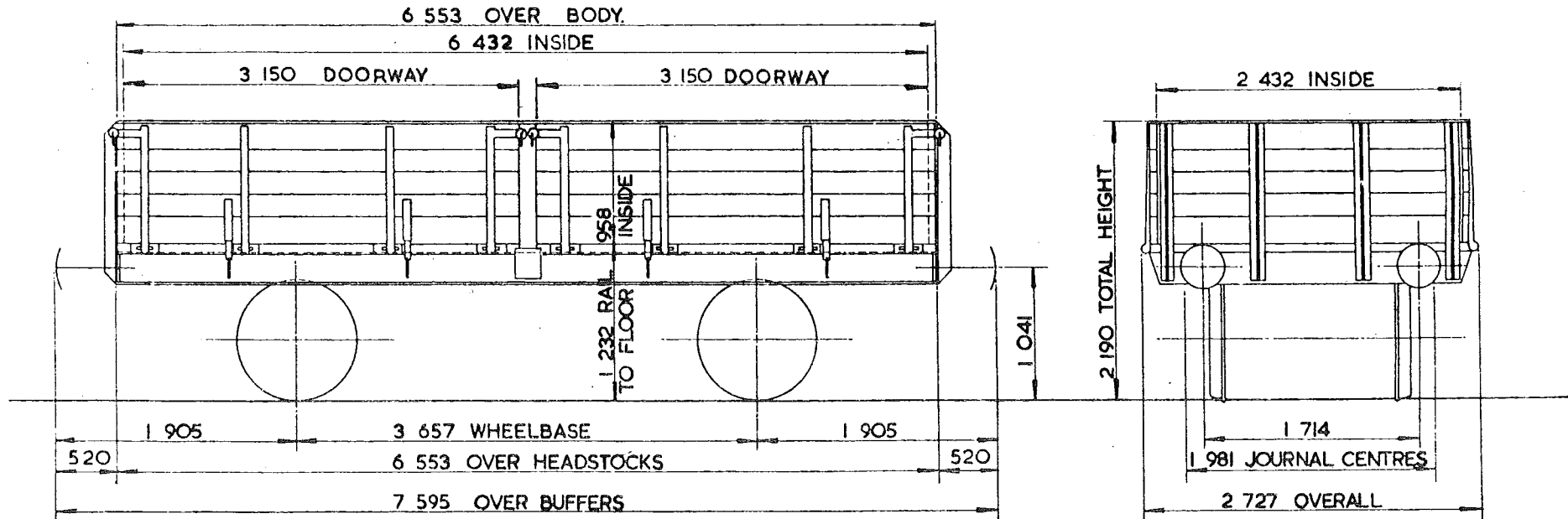
PIPE WAGON

\$0001H

UNIT NUMBER
3335

EXCESS LENGTH	2	H	M	L	E
tonnes	19	16	12	9	
VB	5	5	5	5	
AB					
RA	1	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE									
CARKND		AARKND		OPERATING PANEL No.					
\$	Ø	V	\$	Ø	V	C	2	4	8



TARE	8 450 kg
CARRYING CAPACITY	12 000 kg
CAPACITY	15.185 m³
MAX SPEED	50 mile/h
WHEELS	952 DIA.
JOURNALS	228 x 108 PLAIN BEARINGS

BUFFERS	HYDRAULIC 406 DIA. HEADS.
COUPLINGS	INSTANTER
MIN CURVE	26 m
GEN ARRGT DRG. No.	SW/DE 36040 & SW/DE 36061
BRAKE	VACUUM BLOCK & HAND LEVER
SUSPENSION	SHOE

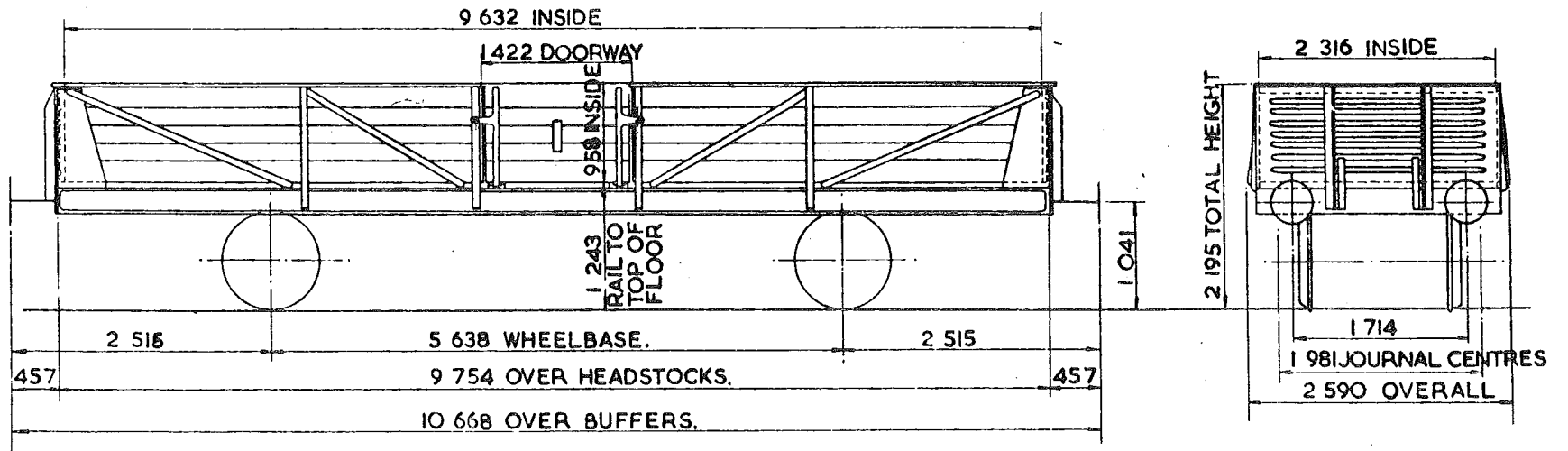
TUBE WAGON

\$T009B

LOT NUMBER
PART 2554
2740
2867

EXCESS LENGTH	7	H	M	L	E
tonnes	31	25	17	12	
VB	6	6	6	6	
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
\$ T V	\$ T V T	2	5	2	



TARE	11450kg.
CARRYING CAPACITY	22500kg.
CAPACITY	21.370m ³
MAX SPEED	50mile/h.
WHEELS	952 DIA.
JOURNALS	254x127 PLAIN BEARINGS.

BUFFERS	SPINDLE 406 DIA. HEADS
COUPLINGS	INSTANTER.
MIN CURVE	36m.
GEN ARRGT. DRG No.	SW/DE 34640.
BRAKE	VACUUM BLOCK & HAND LEVER.
SUSPENSION	SHOE.

ISSUE 2.

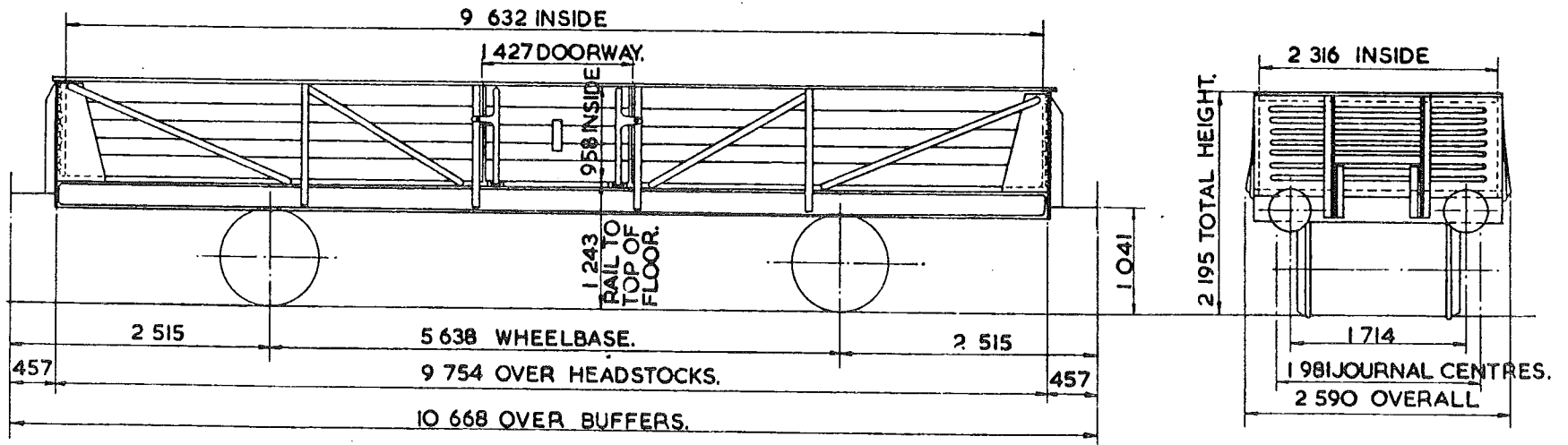
TUBE WAGON

\$T009C

LOT NUMBER
PART 3226
PART 3288

EXCESS LENGTH	7	H	M	L	E
tonnes	31	25	17	12	
VB	6	6	6	6	
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
\$	T	V	\$	T	V	T	2	5	2



FARE	11450kg.
CARRYING CAPACITY	22500kg.
CAPACITY	21.370m ³
MAX. SPEED	50 mile/h.
WHEELS	952 DIA.
JOURNALS	124 DIA. ROLLER BEARINGS.

BUFFERS	SELF CONTAINED 457 DIA HEADS.
COUPLINGS	INSTANTER.
MIN. CURVE	36m.
GEN. ARRGT. DRG. No.	SW/DE 34640.
BRAKE	VACUUM BLOCK & HAND LEVER
SUSPENSION	SHOE.

ISSUE 2.

EX. B. R. DIAGRAM I/448.

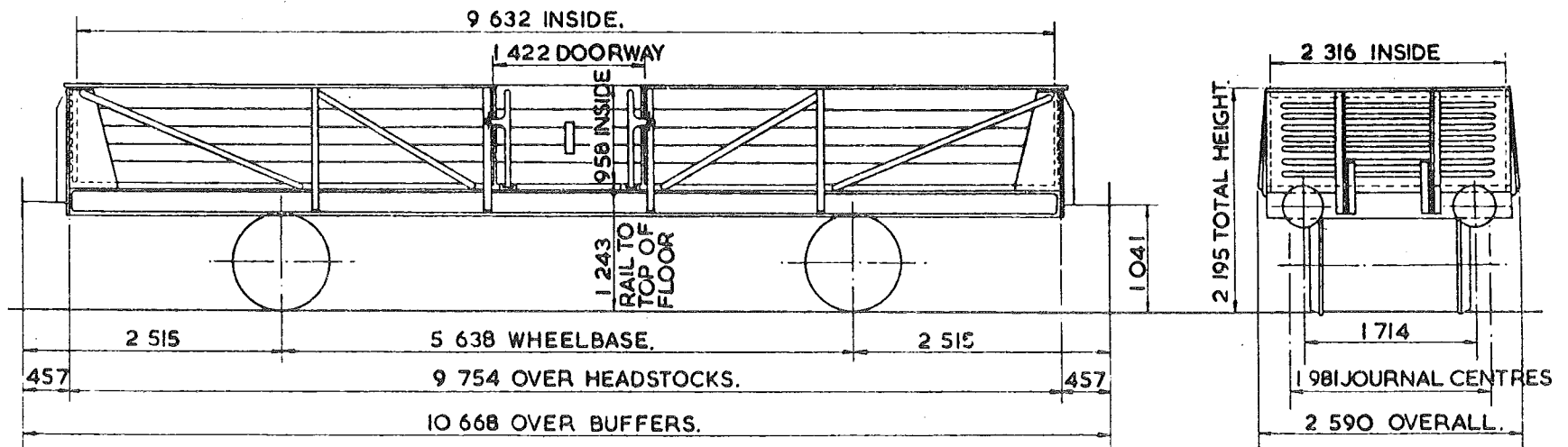
TUBE WAGON

\$T009D

LOT NUMBER
PART 3288

EXCESS LENGTH	7	H	M	L	E
tonnes.	31	25	17	12	
VB	6	6	6	6	
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND		AARKND		OPERATING PANEL	
\$	T	V	\$	T	V
				2	5
					2



TARE	11450kg.
CARRYING CAPACITY	22500kg.
CAPACITY	21.370m ³
MAX SPEED	50mile/h.
WHEELS	952 DIA.
JOURNALS	228x127PLAIN BEARINGS.

BUFFERS	SELF CONTAINED 457 DIA. HEADS.
COUPLINGS	INSTANTER.
MIN CURVE	36m.
GEN ARRGT DRG. No	SW/DE 34640.
BRAKE	VACUUM BLOCK & HAND LEVER.
SUSPENSION	SHOE.

ISSUE 2

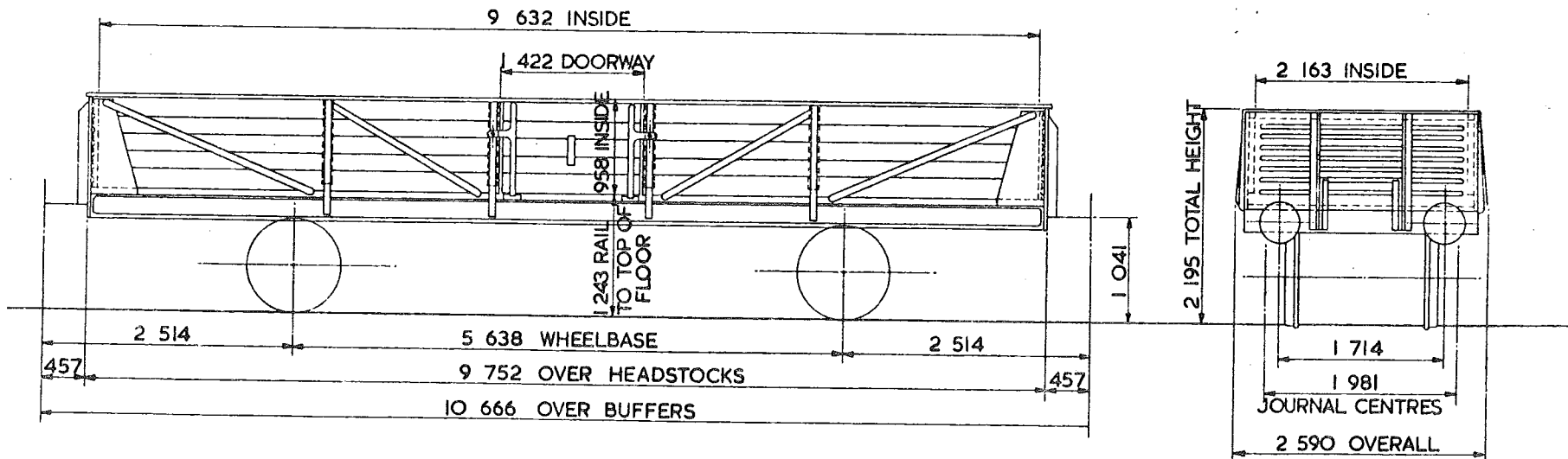
OPEN WAGON (TUBE)

\$T009J

LOT NUMBER
PART 3288
PART 3332
PART 2554
PART 2740
PART 2867
PART 3226

EXCESS LENGTH 7	H	M	L	E
tonnes	31	25	17	12
VB	6	6	6	6
AB				
RA	3	1	1	1
MAX. SPEED	50	50	50	50

TOPS CODE										
CARKND		AARKND			OPERATING PANEL No.					
\$	T	V	\$	T	V	F		2	5	2



TARE -	11 450 kg
CARRYING CAPACITY -	22 500 kg
CAPACITY -	21.370 m ³
MAX. SPEED -	50 mile/h
WHEELS -	952 DIA.
JOURNALS -	124 DIA. ROLLER BEARINGS

BUFFERS -	SPINDLE 406 DIA. HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	36 m
GEN. ARRGT. DRG. No. -	SW/DE 34640
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	SHOE

ISSUE 2

EX BR DIAGRAM 425 (ALLOCATED)

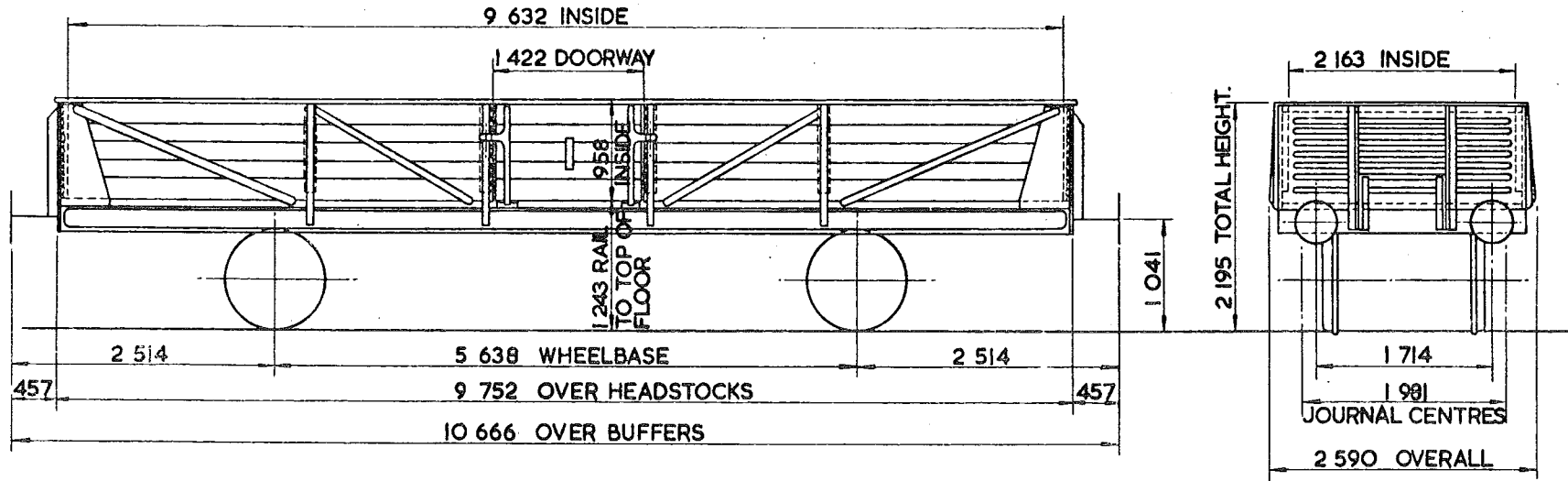
TUBE WAGON

\$T009L

LOT NUMBER
PART 3288
PART 3332
PART 2554
PART 2740
PART 2867
PART 3226

EXCESS LENGTH	7	H	M	L	E
tonnes	31	25	17	12	
VB	6	6	6	6	
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
\$	T	V	\$	T	V	F	2	5	2



TARE -	11 450kg
CARRYING CAPACITY -	22 500kg
CAPACITY -	21.370m ³
MAX. SPEED -	50 mile/h
WHEELS -	952 DIA.
JOURNALS -	254 x 127 PLAIN BEARINGS

BUFFERS -	SPINDLE 406 DIA. HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	36 m.
GEN. ARRG. DRG. No. -	SW/DE/34640
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	SHOE

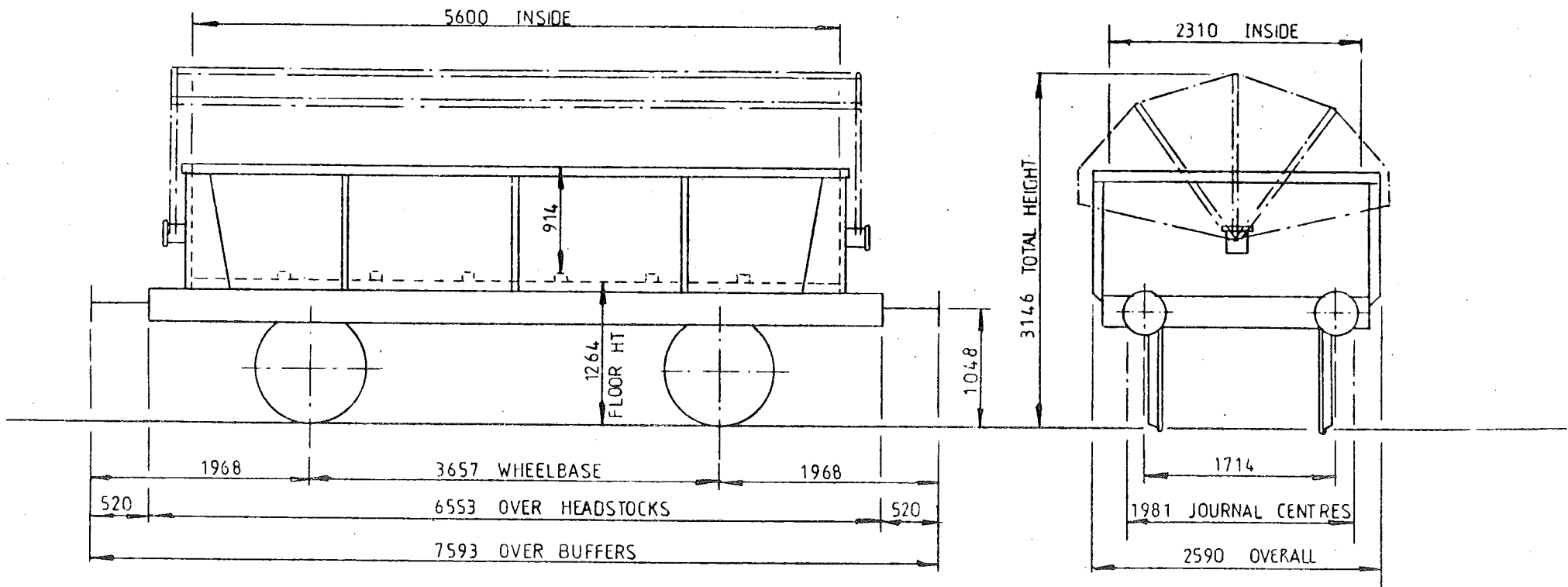
ISSUE 1.

COIL WAGON

SU001A

LOT NUMBER	
3429	

TOPS INFORMATION						
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA		EXCESS LENGTH
CARKND	PANEL No.	50 mile/h UP TO	33 tonne GLW	6 † EMPTY		2
S U W		mile/h ABOVE		14 † LADEN		3



TARE-	10 650 kg
CAPACITY, WEIGHT-	22 500 kg
CAPACITY, VOLUME-	11.828 m ³
MIN. CURVE-	26 m
GEN. ARRG. DRG. NO.-	SW/SW/1044 SW/SW/1045

BRAKE-	VACUUM BLOCK, AIR PIPE, HAND LEVER.
SUSPENSION-	SHOE
COUPLINGS-	INSTANTER
BUFFERS-	HYDRAULIC 330 DIA HEADS
WHEELS-	952 DIA
JOURNALS-	124 DIA ROLLER BEARINGS

ISSUE 1

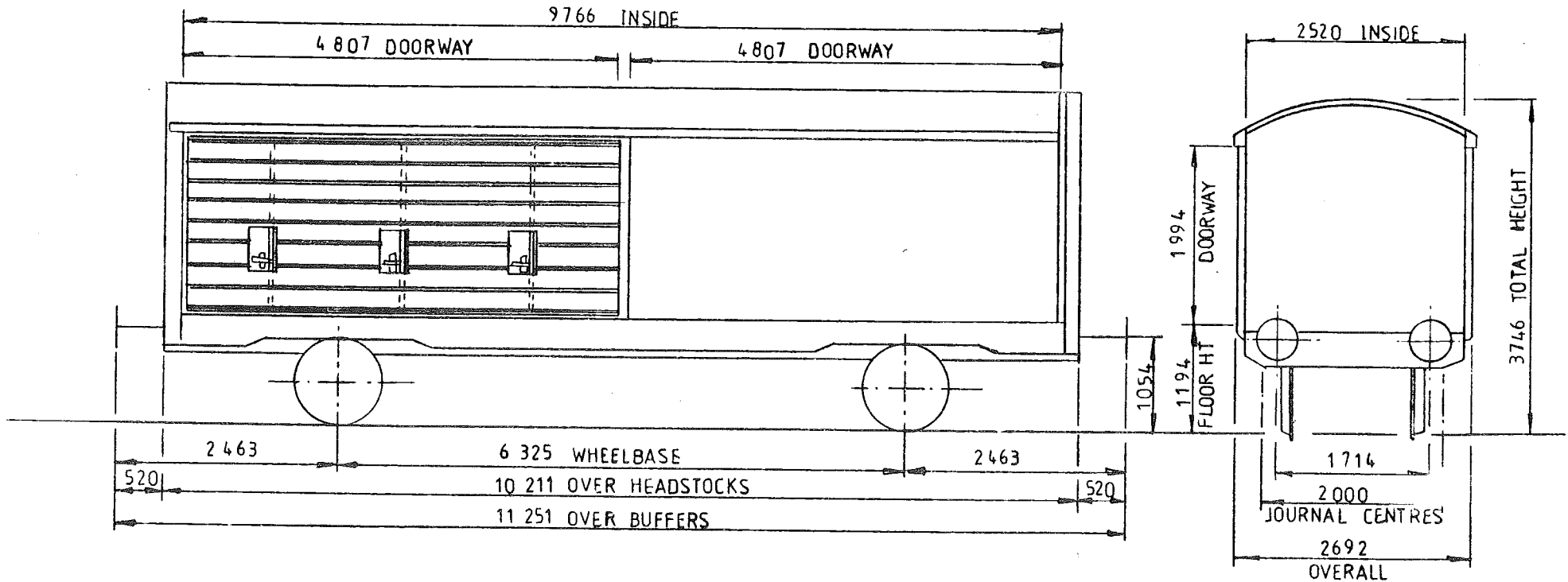
EX. BR. DIAGRAM 58

46 + GLW VENTILATED VAN

VA001C

LOT NUMBER	
3685	

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 + (0.5 x t)	8	8	
V A A N		60 mile/h ABOVE					



TARE-	16 000 kg
CAPACITY, WEIGHT-	30 000 kg
CAPACITY, VOLUME-	59 m ³
MIN. CURVE-	50m CLOSE 41m SINGLE
GEN. ARRGT. DRG. NO.-	F-S-552 F-S-489

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

ISSUE 1

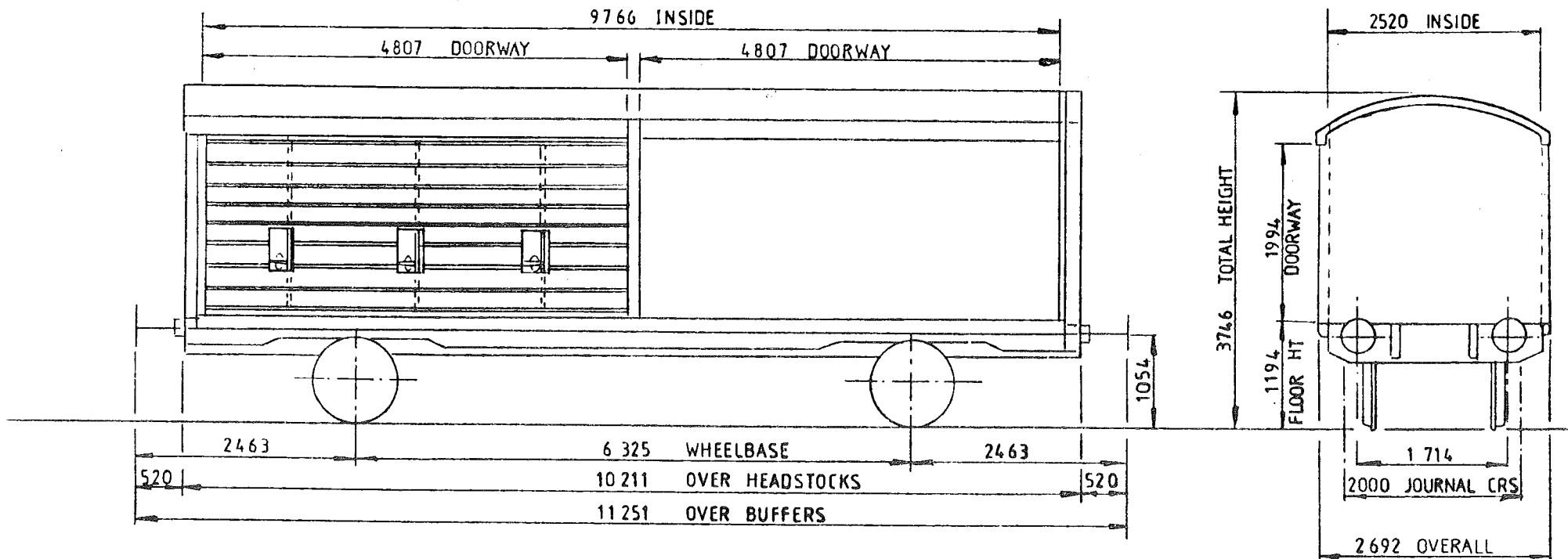
EX. BR. DIAGRAM 11248

46 + GLW VENTILATED VAN

VA001D

LOT NUMBER	
3685	

TOPS INFORMATION						
AARKND	OPERATING		OPERATING SPEED		BRAKE FORCE DATA	
CARKND	PANEL No.		75 mile/h UP TO 60 mile/h ABOVE		4 + (0.5 x t)	
V A A M				40 tonne GLW		
					EXCESS LENGTH	RA (GLW)
					8	8
						DESIGN SHEET



TARE-	16 000 kg
CAPACITY, WEIGHT-	30 000 kg
CAPACITY, VOLUME-	49 m ³
MIN. CURVE-	50m CLOSE 41m SINGLE
GEN. ARRGT. DRG. NO.-	F.S-552 F.S-489

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

ISSUE 1

EX. BR. DIAGRAM 1/267

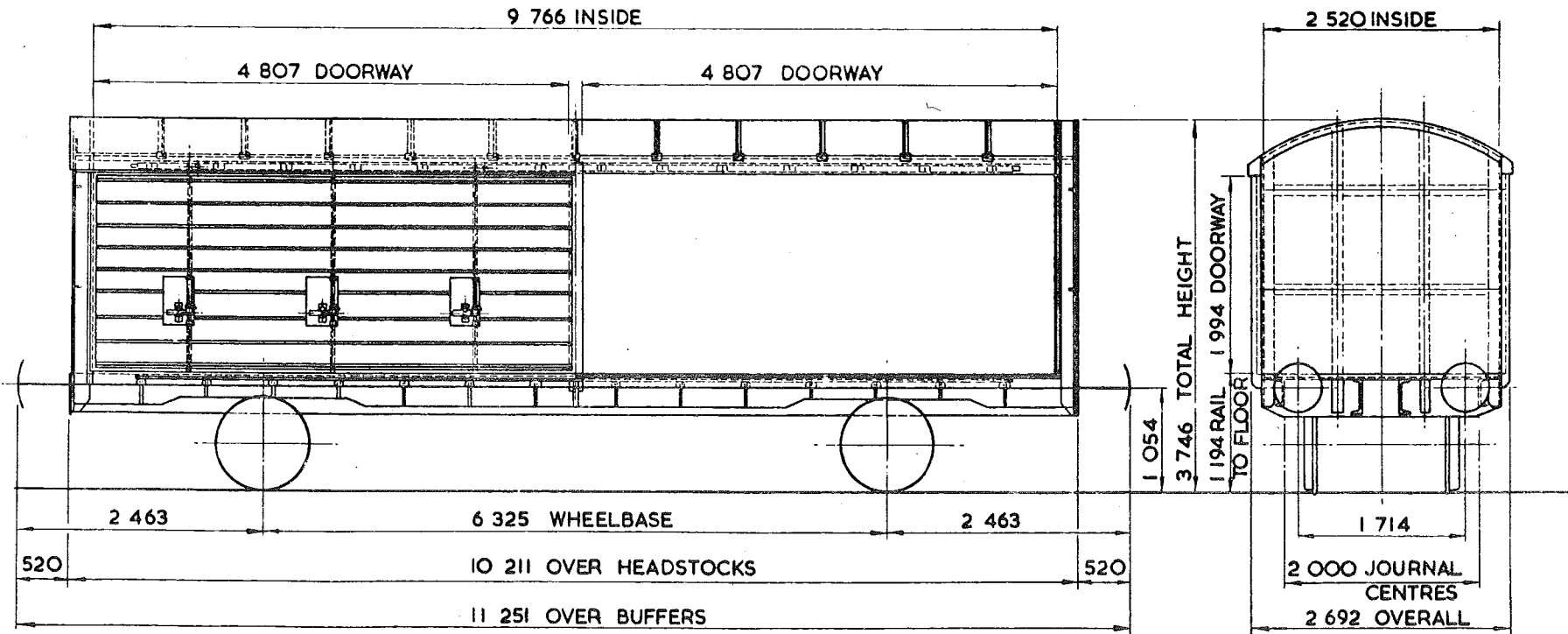
VAN
(46 tonnes G.L.W.)

VBO03F

LOT NUMBER
3840

EXCESS LENGTH	8	H	M	L	E
tonnes	42	40	25	16	
VB					
AB	27	27	17	12	
RA	8	6	1	1	
MAX. SPEED	60	75	75	75	

TOPS CODE								
CARKND			AARKND			OPERATING PANEL No		
V	B	A	V	B	A	F	3	0
2	1							



TARE	16 500 kg
CARRYING CAPACITY	29 500 kg at 60 mile / h 24 500 kg at 75 mile / h
CAPACITY	49.123 m ³
MAX SPEED	75 mile / h
WHEELS	952 DIA.
JOURNALS	140 DIA. ROLLER BEARINGS

BUFFERS	HYDRAULIC 457 DIA. HEADS
COUPLINGS	B.R.SCREW
MIN. CURVE	50m CLOSE COUPLED 41m SINGLE
GEN. ARRGT. DRG. No.	F-S-552 & F-S-489.
BRAKE	AIR DISC & HAND LEVER
SUSPENSION	LONG LINK

ISSUE 3
EX. B.R. DIAGPAM 1 / 286

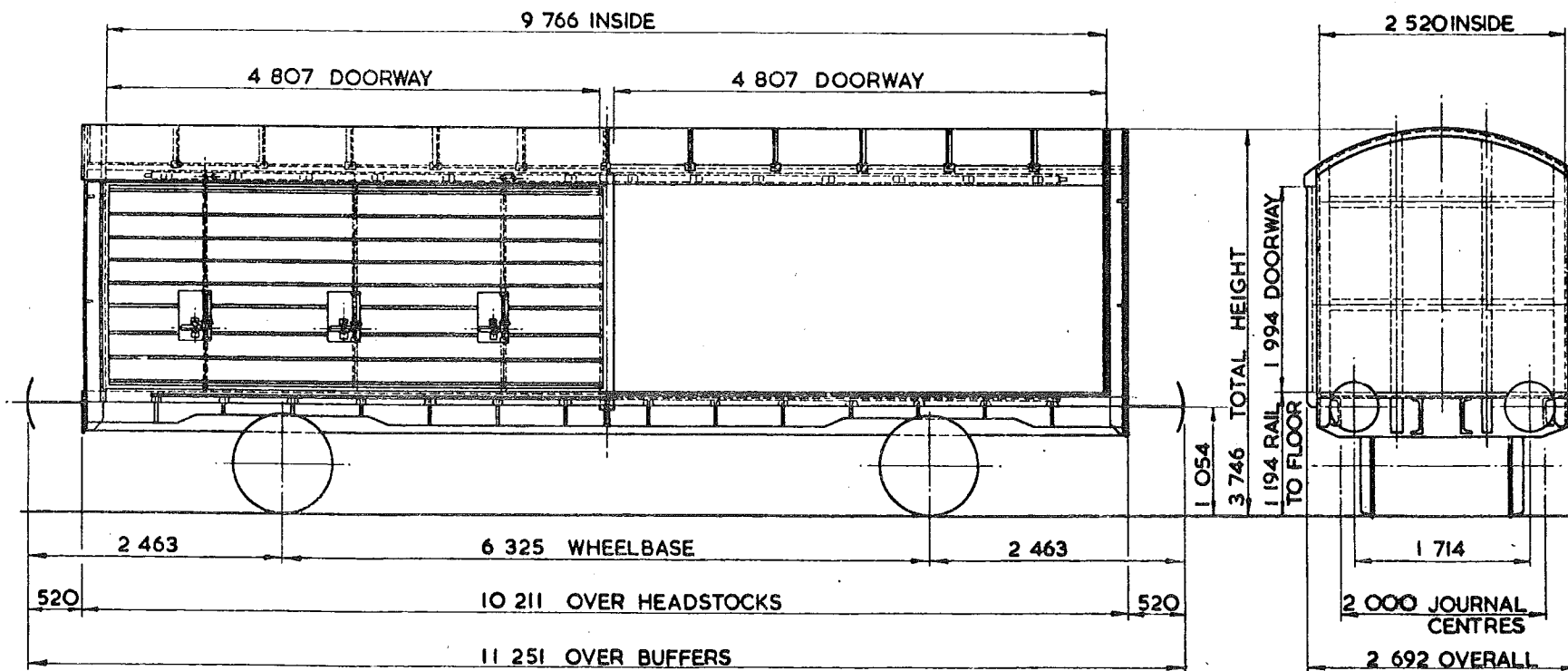
VAN
(46 tonnes G.L.W.)

VB003G

LOT NUMBER
PART 3726

EXCESS LENGTH	8	H	M	L	E
tonnes	42	40	25	16	
VB					
AB	27	27	17	12	
RA	8	6	1	1	
MAX. SPEED	60	75	75	75	

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No.
V B A	V B A F	3 0 2 1



TARE --	16 000 kg
CARRYING CAPACITY	30 000 kg at 60 mile / h 25 000 kg at 75 mile / h
CAPACITY	49.123 m ³
MAX. SPEED --	75 mile / h
WHEELS --	952 DIA.
JOURNALS --	140 DIA. ROLLER BEARINGS

BUFFERS --	HYDRAULIC 457 DIA. HEADS
COUPLINGS --	B.R. SCREW
MIN CURVE --	50m CLOSE COUPLED 41m SINGLE
GEN. ARRGT. DRG. No. --	F-S-552 & F-S-489.
BRAKE --	AIR DISC & HAND LEVER
SUSPENSION --	LONG LINK

ISSUE 2
EX. B.R. DIAGRAM 257

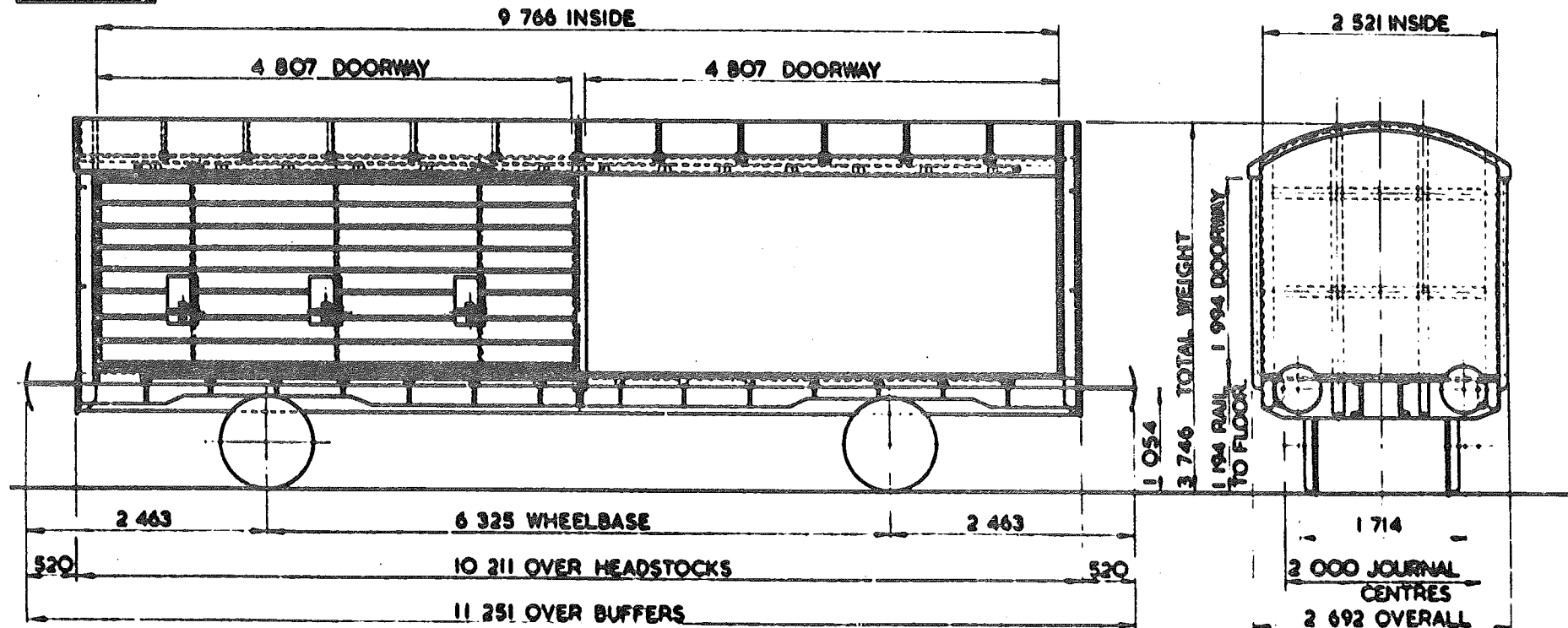
VAN
(46 tonnes G.L.W.)

VB003J

LOT NUMBER
PART 3696

EXCESS LENGTH	8	H	M	L	E
tonnes	42	40	25	16	
VB					
AB	27	27	17	12	
RA	8	6	1	1	
MAX SPEED	60	75	75	75	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL			
V	B	A	V	B	A F 3 2 1



TARE	16000 kg
CARRYING CAPACITY	30000 kg at 25 mph 28000 kg at 75 mph/h
CAPACITY	59.407 m ³
MAX SPEED	75 mile / h
WHEELS	952 DIA.
JOURNALS	140 DIA. ROLLER BEARINGS

BUFFERS	HYDRAULIC 487 DIA. HEADS
COUPLINGS	B.R. SCREW
MIN CURVE	50m CLOSE COUPLED 41m SINGLE
GEN ARRG1 DRG No	F.S. 552 & F.S. 489.
BRAKE	AIR BLOCK & HAND LEVER
SUSPENSION	FAT 7 (AS BUILT)

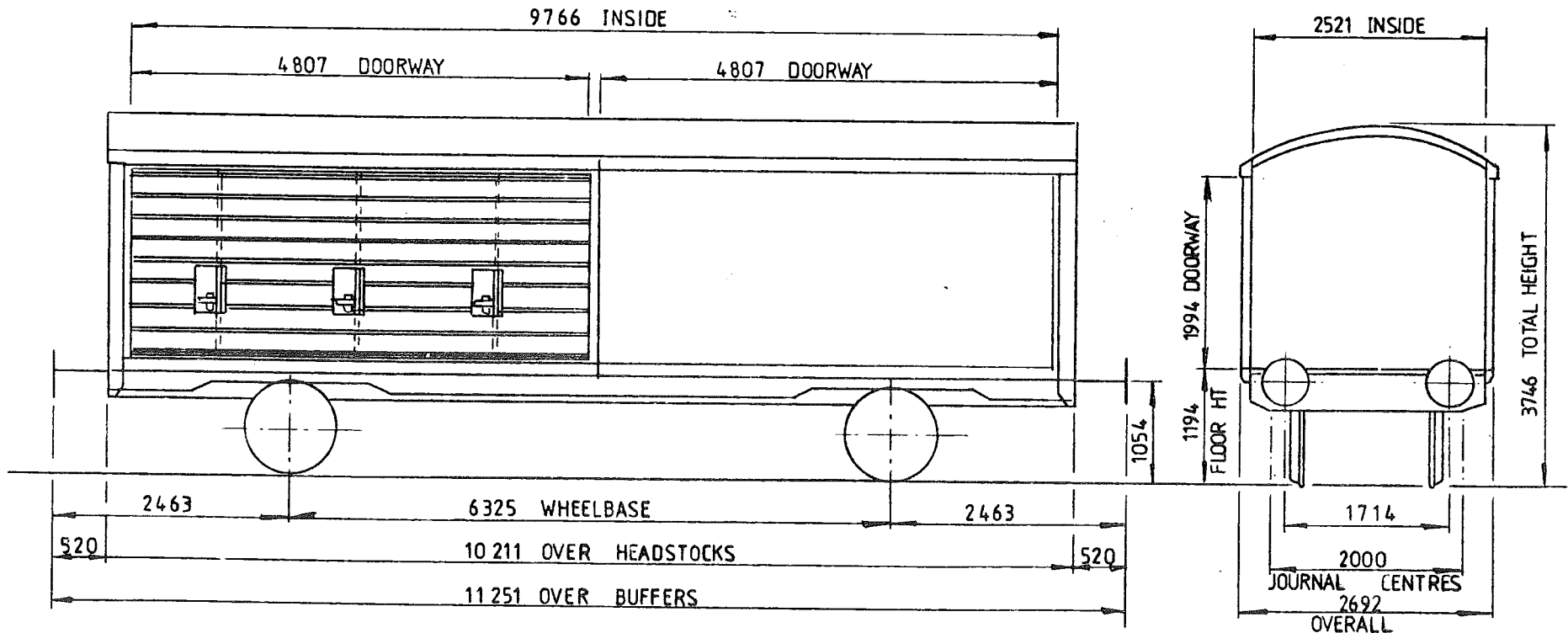
ISSUE 2

46 t GLW VAN

VB003K

LOT NUMBER	
3726	

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 + (0.5 x t)		8	8	
V B A				60 mile/h ABOVE						



TARE-	16000 kg
CAPACITY, WEIGHT-	30000 kg
CAPACITY, VOLUME-	59.467 m ³
MIN. CURVE-	50m CLOSE 41m SINGLE
GEN. ARRGT. DRG. NO.-	F-S-552 F-S-489

BRAKE-	AIR BLOCK HAND LEVER
SUSPENSION-	FAT 4 U.I.C.
COUPLINGS-	B R SCREW
BUFFERS-	HYDRAULIC 457 DIA HEADS
WHEELS-	952 DIA
JOURNALS-	140 DIA ROLLER BEARINGS

ISSUE 1

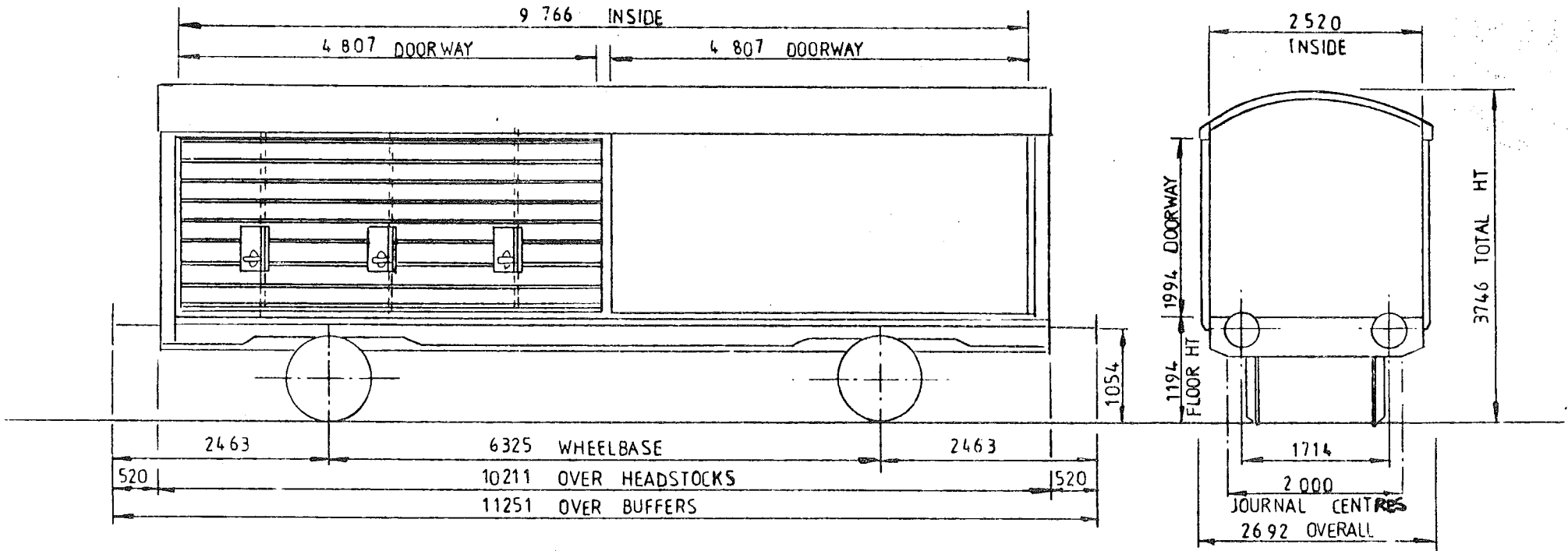
EX. BR. DIAGRAM 1/257

46 t GLW VAN

VB003L

LOT NUMBER	
3725	

TOPS INFORMATION										
AARKND		OPERATING		OPERATING SPEED		BRAKE FORCE DATA		EXCESS LENGTH	RA (GLW)	DESIGN SHEET
CARKND		PANEL No.		75 mile/h UP TO 60 mile/h ABOVE		40 tonne GLW		3-215+ (0.517 * t)	6	8
V	B	A	F							



TARE-	17000 Kg
CAPACITY, WEIGHT-	29000 Kg
CAPACITY, VOLUME-	49.123 m ³
MIN. CURVE-	50m CLOSE, 41m SINGLE
GEN. ARRGT. DRG. NO.-	F-S-552 F-S-489

BRAKE-	AIR DISC HAND LEVER
SUSPENSION-	D.O.D. MK III
COUPLINGS-	BR SCREW
BUFFERS-	HYDRAULIC 457 DIA HEADS
WHEELS-	952 DIA
JOURNALS-	140 DIA ROLLER BEARINGS

ISSUE 1

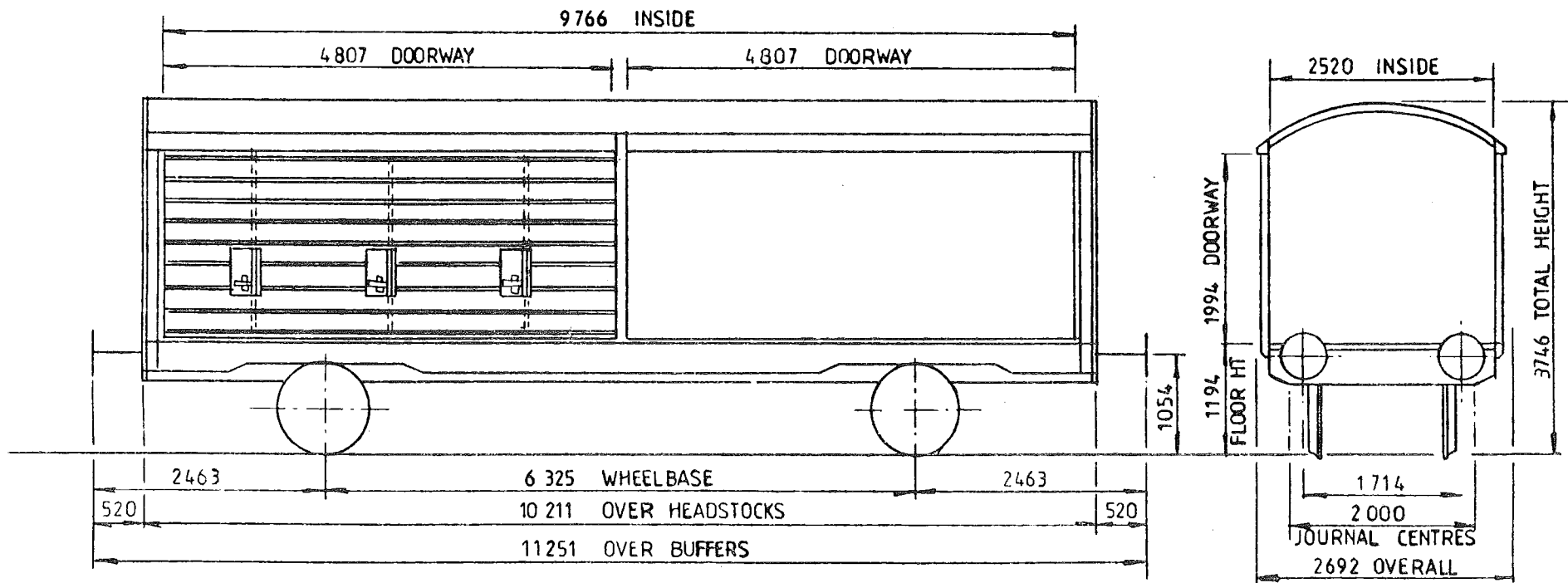
EX. BR. DIAGRAM 1 / 259

46 t GLW VAN

VB003M

LOT NUMBER	
3686	

TOPS INFORMATION										
AARKND		OPERATING		OPERATING SPEED		BRAKE FORCE DATA		EXCESS LENGTH	RA (GLW)	DESIGN SHEET
CARKND		PANEL No.		75 mile/h UP TO 60 mile/h ABOVE		40 tonne GLW		8	8	
V	B	A								



TARE-	.17 000 kg
CAPACITY, WEIGHT-	29 000 kg
CAPACITY, VOLUME-	59.4 m ³
MIN. CURVE-	50m CLOSE 41m SINGLE
GEN. ARRGT. DRG. NO.-	F-S-2168

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

ISSUE 1

EX. BR. DIAGRAM 1/253

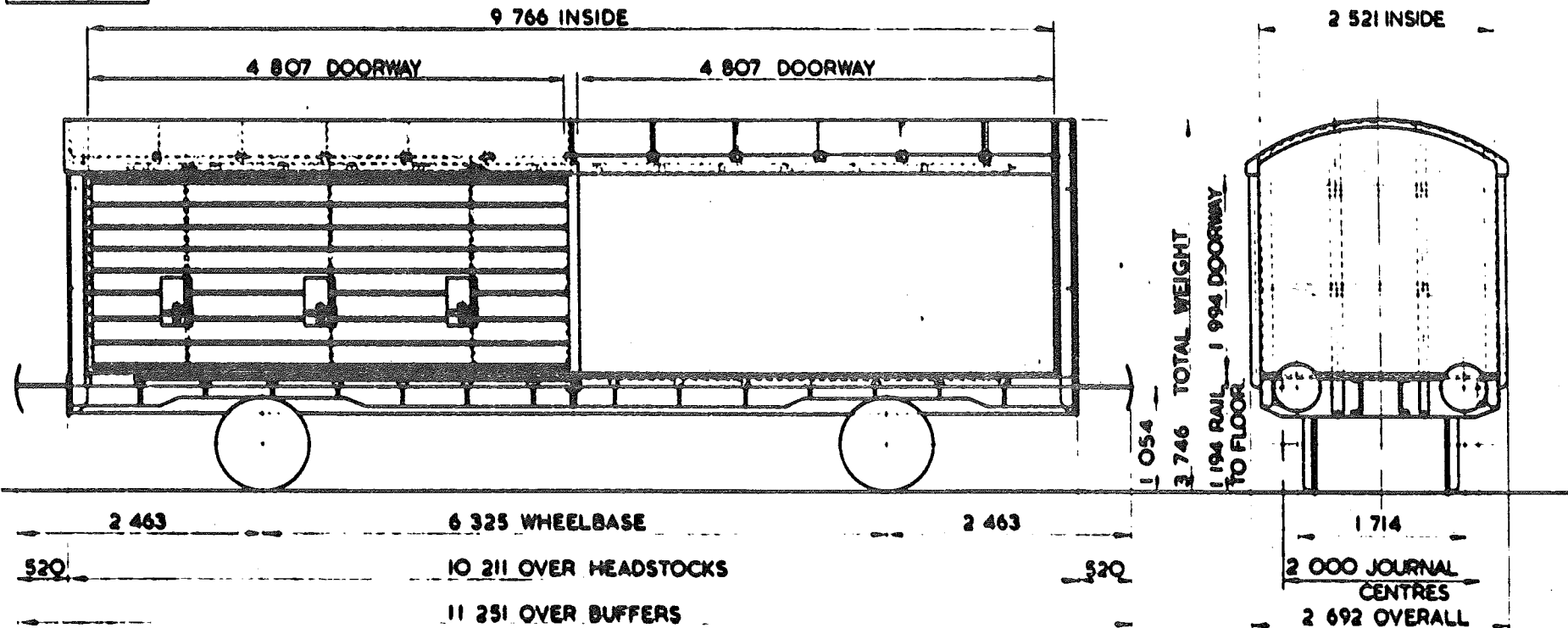
VAN
(46 tonnes G.L.W.)

VB003N

LOT NUMBER
PART 3696

EXCESS LENGTH	B	H	M	L	E
tonnes	42	40	25	16	
VB	0	0	0	0	
AB	27	27	17	12	
HA	8	6	1	1	
MAX SPEED	60	75	75	75	

TOPS CODE										
CARRND					AARRND					
V	B	A	V	B	A	F	3	0	2	0



TARE	16 000 kg
CARRYING CAPACITY	30 000 kg at 60 mile/h 25 000 kg at 75 mile/h
CAPACITY	59.467 m ³
MAX SPEED	75 mile/h
WHEELS	952 DIA.
JOURNALS	140 DIA. ROLLER BEARINGS

BUFFERS	HYDRAULIC 457 DIA. HEADS
COUPLINGS	B.R. SCREW
MIN CURVE	50m CLOSE COUPLED 41m SINGLE
GEN ARRGT DRG No	F-S-552 & F-S-489
BRAKE	AIR BLOCK, HAND LEVER
SUSPENSION	FAT 7 (AS BUILT)

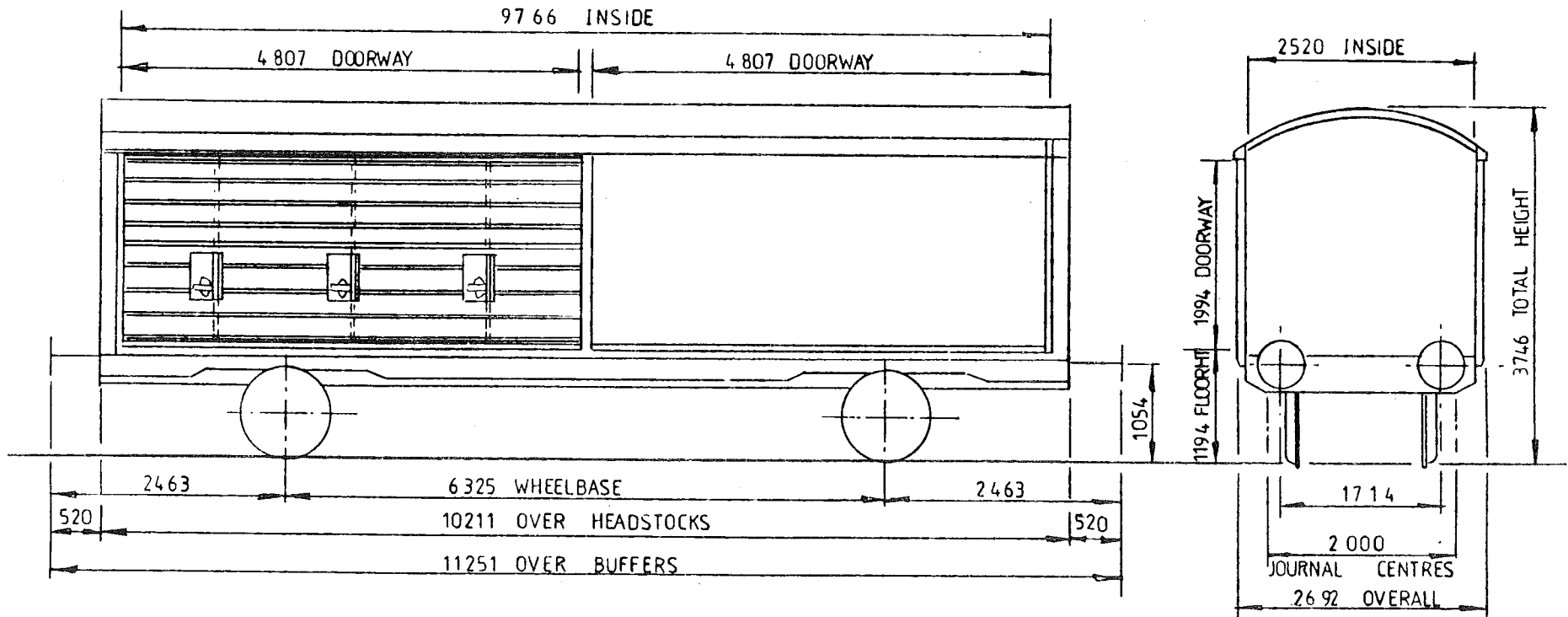
ISSUE 1

46 t GLW VAN

VB003P

LOT NUMBER	
3725	

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	3.215 + (0.517 x t)	8	8	
V E A			60 mile/h ABOVE					



TARE-	17 000 kg
CAPACITY, WEIGHT-	29 000 kg
CAPACITY, VOLUME-	43 123 m ³
MIN. CURVE-	50m CLOSE 41m SINGLE
GEN. ARRGT. DRG. NO.-	F-S-552 F-S-489

BRAKE-	AIR DISC HAND LEVER
SUSPENSION-	D.O.D. MK II
COUPLINGS-	B.R.SCREW
BUFFERS-	HYDRAULIC 457 DIA HEADS
WHEELS-	952 DIA
JOURNALS-	140 DIA ROLLER BEARINGS

ISSUE 1

EX. BR. DIAGRAM 1/258

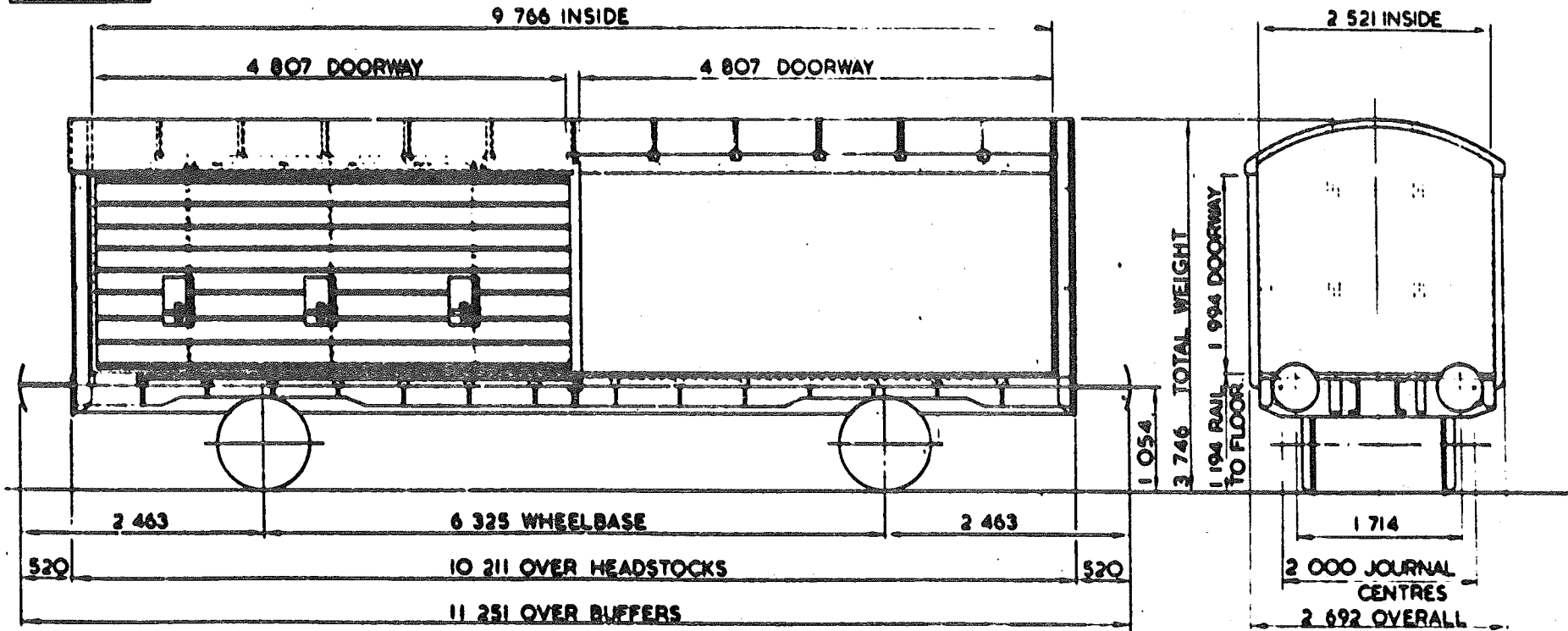
VAN
(46 tonnes G.L.W.)

VB003R

LOT NUMBER
PART 3696

EXCESS LENGTH	B	H	M	L	E
tonnes	42	40	25	16	
VB	0	0	0	0	
AB	27	27	17	12	
RA	8	6	1	1	
MAX SPEED	60	75	75	75	

CARRND	AARRND	
V	B	A
V	B	A
F	3	0
2	0	



TARE	16 000 kg
CARRYING CAPACITY	30 000 kg at 80 mile/h 25 000 kg at 75 mile/h
CAPACITY	59.667 m ³
MAX SPEED	75 mile/h
WHEELS	952 DIA.
JOURNALS	140 DIA. ROLLER BEARINGS

BUFFERS	HYDRAULIC 457 DIA HEADS
COUPLINGS	B.R SCREW
MIN CURVE	50m CLOSE COUPLED 41m SINGLE
GEN ARRGT DRG No	F.S. 552 & F.S. 489
BRAKE	AIR BLOCK, HAND LEVER
SUSPENSION	FAT 7A

ISSUE 1

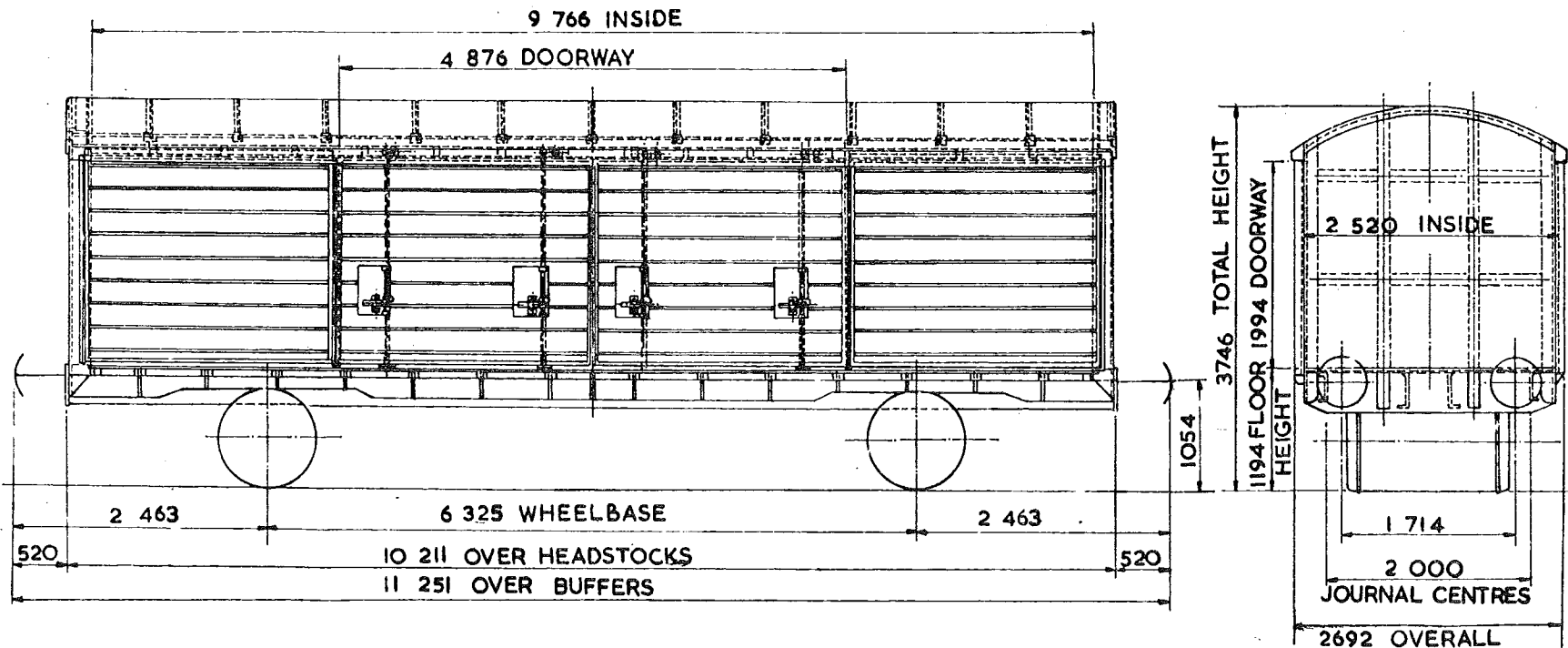
VAN (46 Tonnes G.L.W)

VCO10A

LOT NUMBER
PART 3764

EXCESS LENGTH 8	H	M	L	E
tonnes	42	40	25	16
VB				
AB	27	27	17	12
RA	8	6	1	1
MAX. SPEED	60	75	75	75

TOPS CODE										
CARKND			AARKND			OPERATING PANEL No.				
V	C	A	V	C	A	C	3	0	2	1



TARE -	16250kg
CARRYING CAPACITY -	29500kg @ 60 mile/h. 24500kg @ 75 mile/h.
CAPACITY -	49.073m ³
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. -	
BRAKE -	AIR DISC & HAND LEVER
SUSPENSION -	LONG LINK

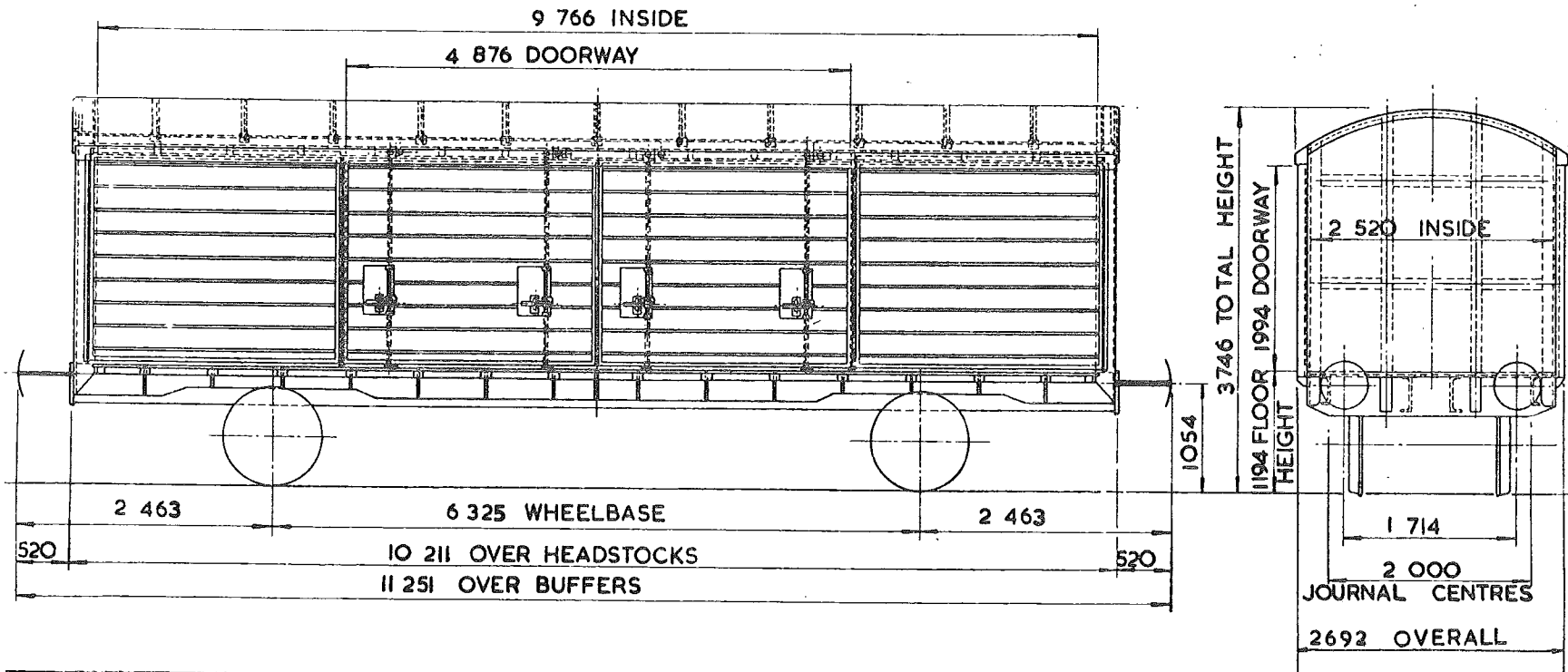
VAN (46 Tonnes G.L.W.)

VCO10D

LOT NUMBER
3832

EXCESS LENGTH	8	H	M	L	E
tonnes	42	40	25	16	
VB					
AB	27	27	17	12	
RA	8	6	1	1	
MAX. SPEED	60	75	75	75	

TOPS CODE										
CARKND	AARKND	OPERATING PANEL No								
V	C	A	V	C	A	C	3	0	2	1



TARE	17 050kg
CARRYING CAPACITY	29 000kg at 60 mile/h. 24 000kg at 75 mile/h.
CAPACITY	49.073m ³
MAX. SPEED	75 mile/h
WHEELS	952 DIA.
JOURNALS	140 DIA. ROLLER BEARINGS

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

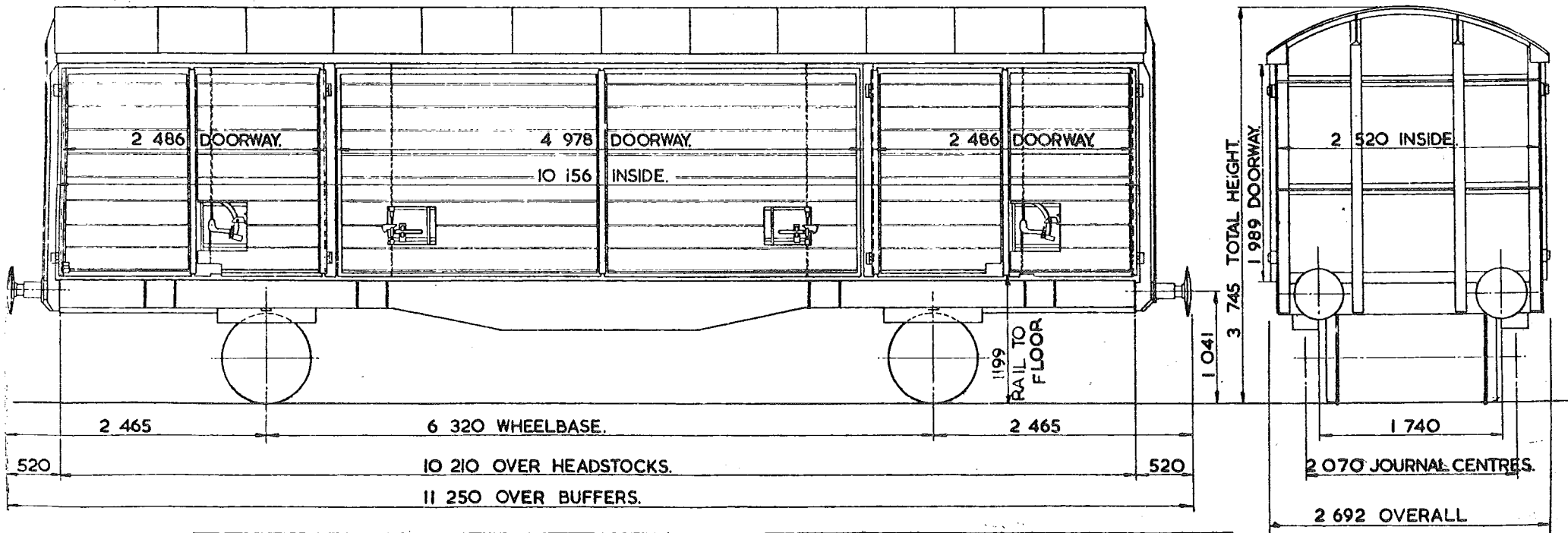
VAN (41 tonnes G.L.W.)

VDOO1A

LOT NUMBER
3855
3908

EXCESS LENGTH	8	H	M	L	E
tonnes	37	31	21	15	
VB					
AB	21	17	11	7	
RA	6	4	1	1	
MAX SPEED	75	75	75	75	

TCPS CODE										
CARKND	AARKND			OPERATING PANEL No.						
V	D	A	V	D	A	E	3	0	1	1



TARE	16 250 kg.
CARRYING CAPACITY	25 000 kg.
CAPACITY	50.059 m ³
MAX. SPEED	75 mile/h.
WHEELS	860 DIA.
JOURNALS	140 DIA. ROLLER BEARINGS.

BUFFERS	HYDRAULIC 457 DIA. HEADS.
COUPLINGS	B.R. SCREW.
MIN. CURVE	50m. CLOSE COUPLED 41m. SINGLE
GEN ARRGT. DRG. No.	F-AI-7832
BRAKE	AIR DISC & HAND LEVER.
SUSPENSION	LONG LINK

ISSUE 3
EX. B.R. DIAGRAM 1/284 (ALLOCATED).

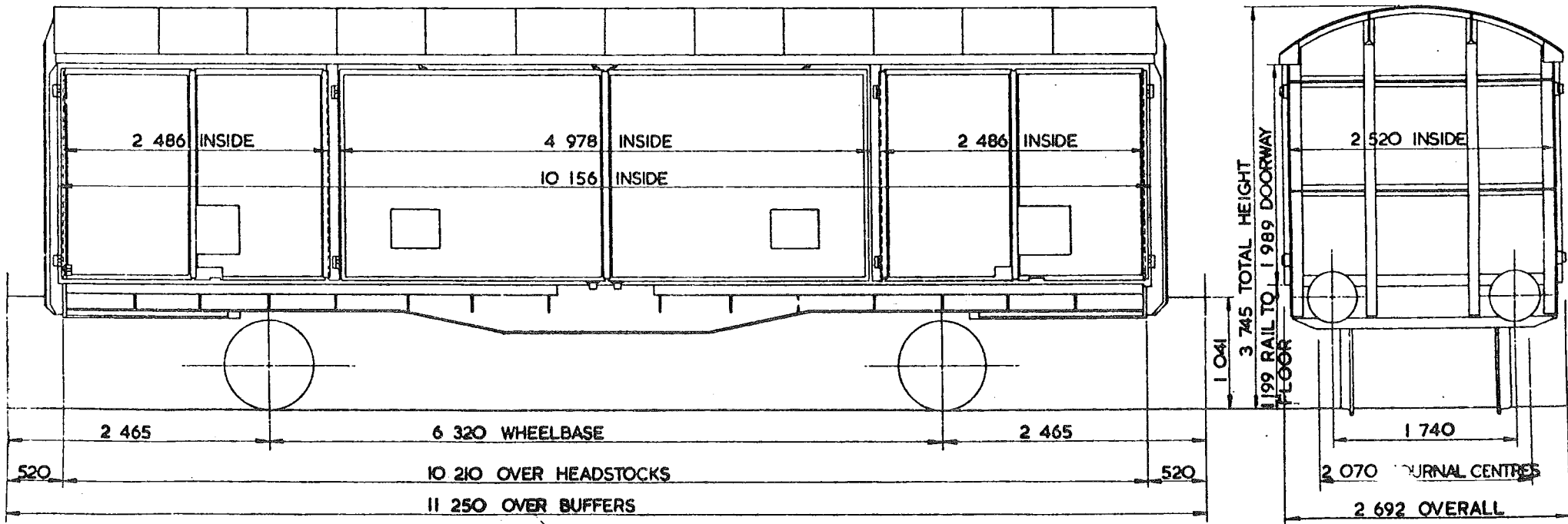
VAN(41 tonnes G.L.W.)

VDOO1B

3890

EXCESS LENGTH	H	M	L	E
tonnes	37	32	23	16
AB	29	22	14	10
RA	6	4	1	1
MAX SPEED	75	75	75	75

TOPS CODE					
CARKND	AARKND	OPERATING PANEL NO.			
V	D	A	V	D	A
E	3	0	6	2	



WEIGHT	15 800 kg
CARRYING CAPACITY -	25 000 kg
CAPACITY -	51.059 m ³
SPEED	75 mile/h
WHEELS	860 DIA.
BEARINGS	140 DIA. ROLLER BEARINGS

BUFFERS -	HYDRAULIC 457 DIA. HEADS.
COUPLINGS -	B.R. SCREW
MIN. CURVE -	50 m CLOSE COUPLED 41 m SINGLE
GEN ARRGT. DRG. No. -	F-AI-7832
BRAKE -	AIR BLOCK & HAND LEVER.
SUSPENSION -	LONG LINK

ISSUE 3
EX. B.R. DIAGRAM 287

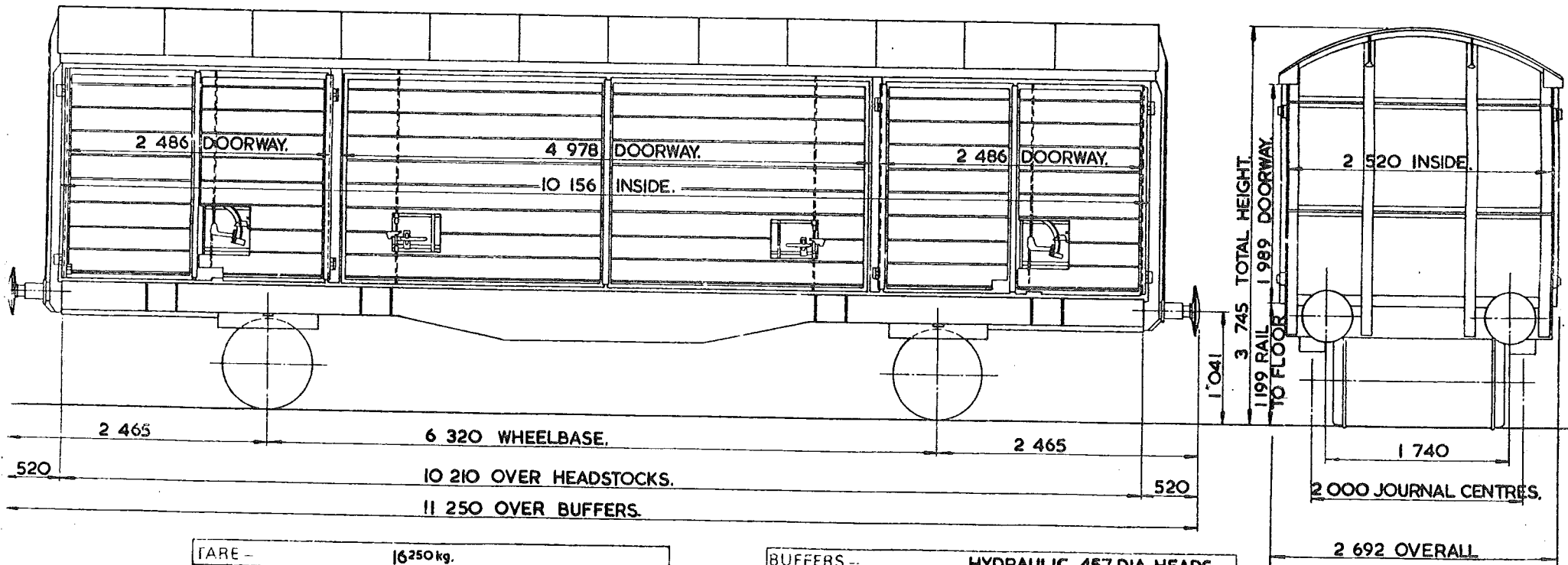
VAN (41 tonnes G. L.W.)

VDOO1C

LOT NUMBER
3856

EXCESS LENGTH	8	H	M	L	E
tonnes	37	32	23	16	
VB					
AB	21	17	11	7	
RA	6	4	1	1	
MAX SPEED	75	75	75	75	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No		
V	D	A	V	D	A
E	3	O	6	I	



TARE -	16250 kg.
CARRYING CAPACITY -	25 000 kg.
CAPACITY -	51.079 m ³
MAX SPEED -	75 mile/h.
WHEELS -	813 DIA.
JOURNALS -	140 DIA. ROLLER BEARINGS.

BUFFERS -	HYDRAULIC, 457 DIA. HEADS
COUPLINGS -	B.R. SCREW.
MIN. CURVE -	50m CLOSE COUPLED 41m SINGLE
GEN. ARRGT. DRG. No. -	F-AI-7832.
BRAKE -	AIR DISC & HAND LEVER.
SUSPENSION -	TAPERLITE.

ISSUE 3
EX. B.R. DIAGRAM 1/285 (ALLOCATED).

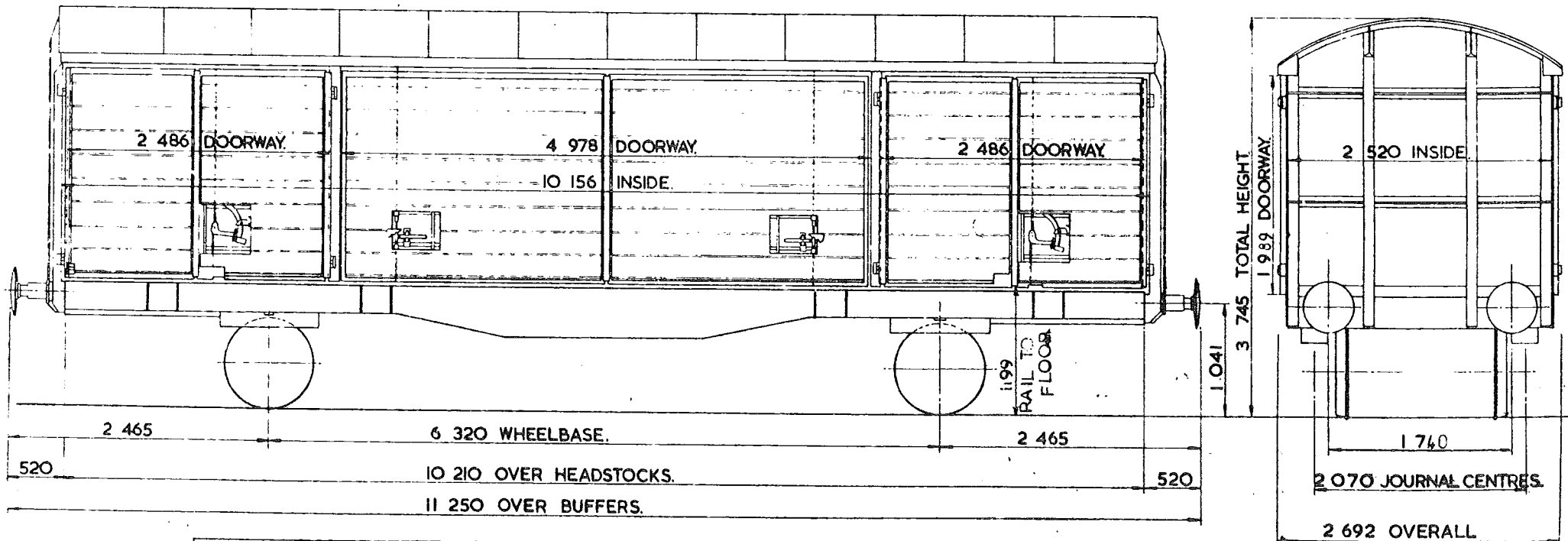
VAN (41 tonnes G.L.W.)

VD001F

LOT NUMBER
3855
3908

EXCESS LENGTH	8	H	M	L	E
tonnes	37	31	21	15	
VB					
AB	21	17	11	7	
RA	6	4	1	1	
MAX SPEED	75	75	75	75	

TCPS CODE					
CARKND	AARKND	OPERATING PANEL No			
V	D	A	V	D	A
E	3	O	I	I	I



TARE -	16 250 kg.
CARRYING CAPACITY -	25 000 kg.
CAPACITY -	50.059 m ³
MAX. SPEED -	75 mile/h.
WHEELS -	860 DIA.
JOURNALS -	140 DIA. ROLLER BEARINGS.

BUFFERS -	HYDRAULIC, 457 DIA HEADS
COUPLINGS -	B.R. SCREW
MIN. CURVE -	50m CLOSE COUPLED 41m SINGLE
GEN. ARRGT. DRG. No. -	F-AI-7832.
BRAKE -	AIR DISC & HAND LEVER.
SUSPENSION -	LONG LINK

ISSUE 2

EX. B.R. DIAGRAM 1/284 (ALLOCATED).

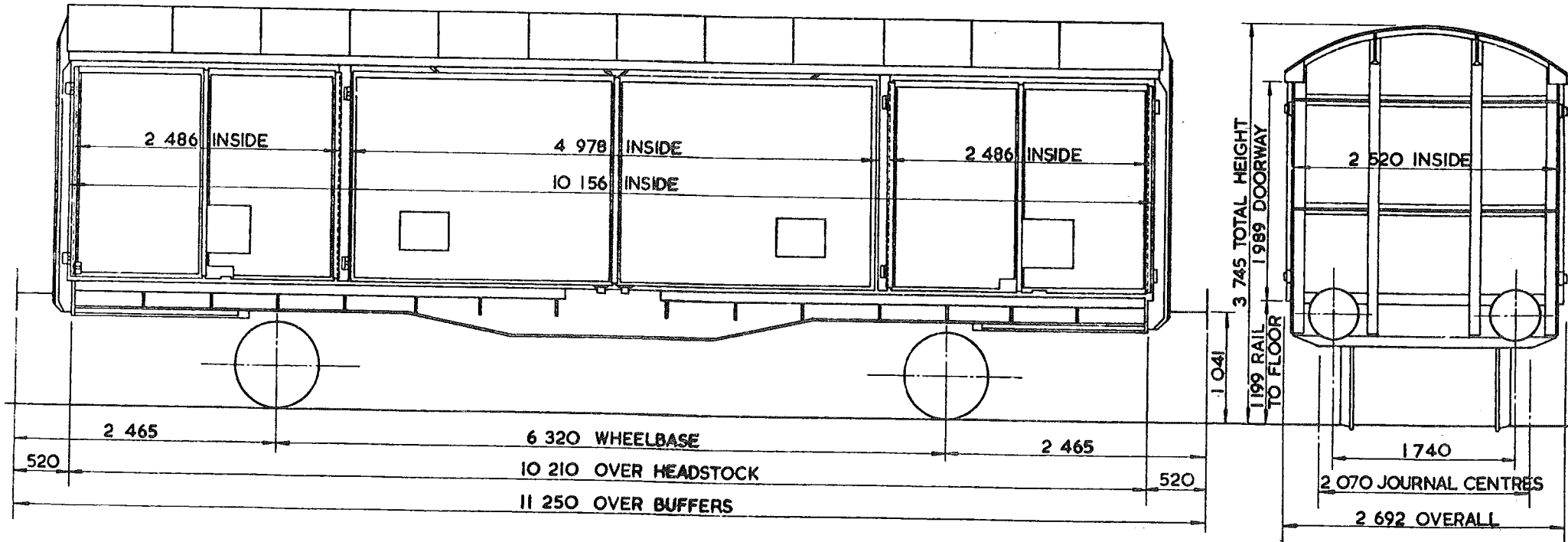
VAN (41 tonnes G.L.W) INSULATED ROOF

VDOO1D

LOT NUMBER
EX 3890

EXCESS LENGTH	H	M	L	S
tonnes	37	32	23	16
VB				
AB	29	22	14	10
RA	6	4	1	1
MAX SPEED	75	75	75	75

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
V	D	A	V	D	A
E	3	0	6	2	



TARE	16000kg
CARRYING CAPACITY	25000kg
CAPACITY	51.079 m ³
MAX SPEED	75 mile/h
WHEELS	860 DIA.
AXIALS	140 DIA. ROLLER BEARINGS

BUFFERS	HYDRAULIC 457DIA. HEADS
COUPLINGS	B.R. SCREW
MIN CURVE	50m CLOSE COUPLED 41m SINGLE
GEN ARRG. DRG No.	F-AI-7832
BRAKE	AIR BLOCK & HAND LEVER
SUSPENSION	LONG LINK

ISSUE 3
EX. B.R. DIAGRAM 287

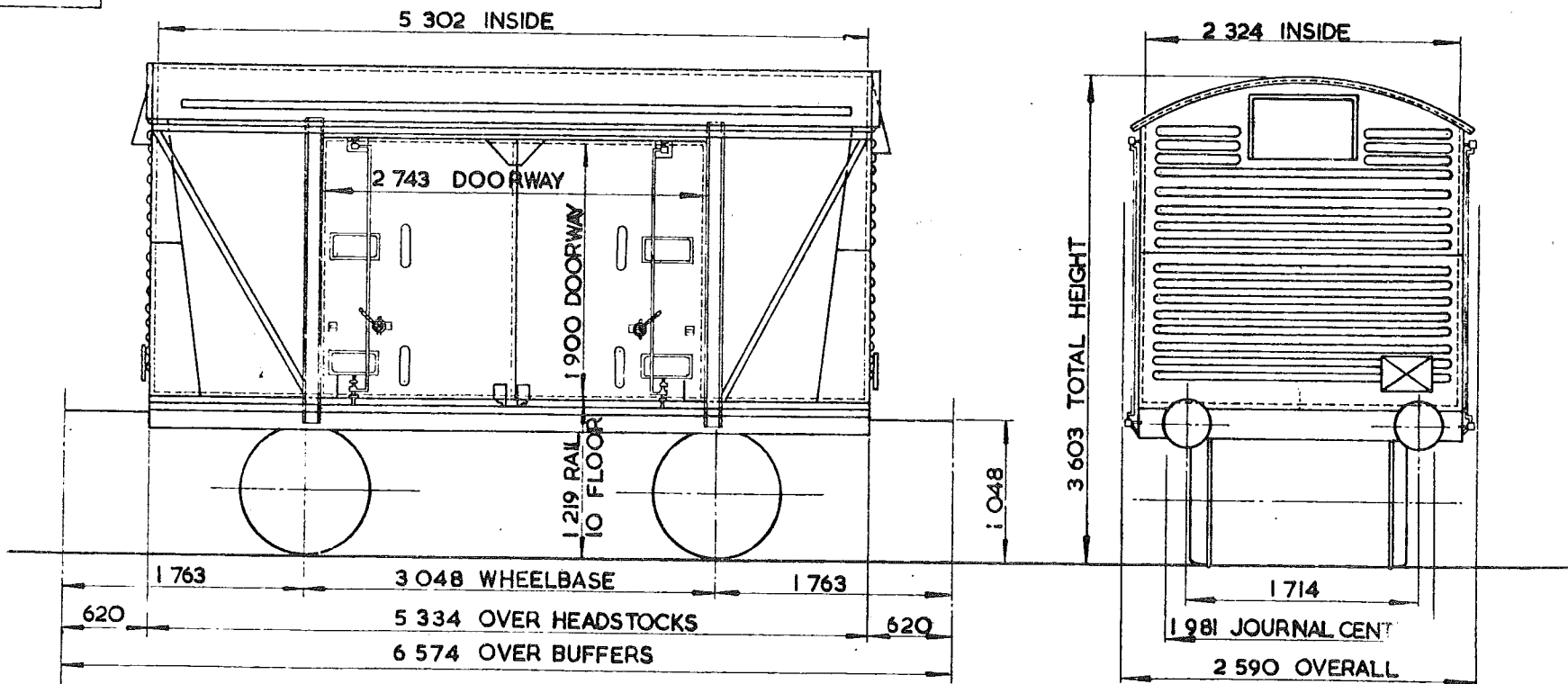
VAN (WIDE)

VE001B

LOT NUMBER
3918
PART 3391
PART 3392
PART 3421

EXCESS LENGTH	H	M	L	E
TONS	20	17	12	9
VB				
AB	11	8	5	4
RA	1	1	1	1
MAX. SPEED	75	75	75	75

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
V	E	A	V	E	A
M	3	0	4	8	



TARE --	8600kg
CARRYING CAPACITY -	12000kg
CAPACITY -	27.781 m ³
MAX. SPEED --	75 mile/h
WHEELS --	952 DIA.
JOURNALS --	III DIA. ROLLER BEARINGS

BUFFERS --	HYDRAULIC 330 DIA. HEADS
COUPLINGS --	B.R. SCREW
MIN. CURVE --	21m
GEN. ARRGT. DRG. No. --	F-AO-15046
BRAKE --	AIR BLOCK & HAND LEVER
SUSPENSION --	LONG LINK

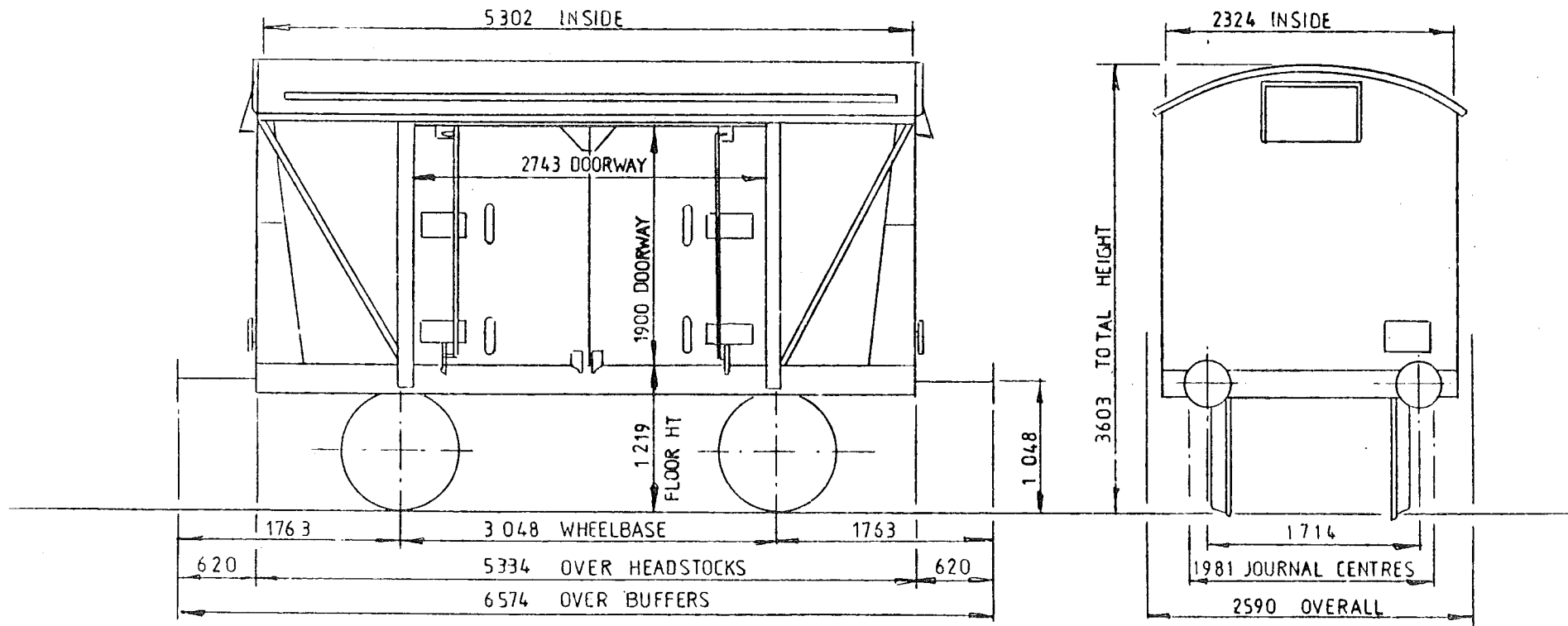
ISSUE 3-

20 t GLW VAN

VE001D

LOT NUMBER	
4028	

TOPS INFORMATION							
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA	EXCESS LENGTH	RA (GLW)	DESIGN SHEET
CARKND	PANEL No.	75 mile/h UP TO mile/h ABOVE		20 tonne GLW	-0.66 + (0.583 x t)		
V E A M	3 0 4 8					1	



TARE-	8 000 kg
CAPACITY, WEIGHT-	12 000 kg
CAPACITY, VOLUME-	27.8m ³
MIN. CURVE-	21m
GEN. ARRGT. DRG. NO.-	F40-15046

BRAKE-	AIR BLOCK HAND LEVER
SUSPENSION-	FAT 25 FRICTION LINK
COUPLINGS-	INSTANTER
BUFFERS-	HYDRAULIC 330 DIA HEADS
WHEELS-	952 DIA
JOURNALS-	111 DIA ROLLER BEARINGS

ISSUE 1

EX. BR. DIAGRAM 1/127

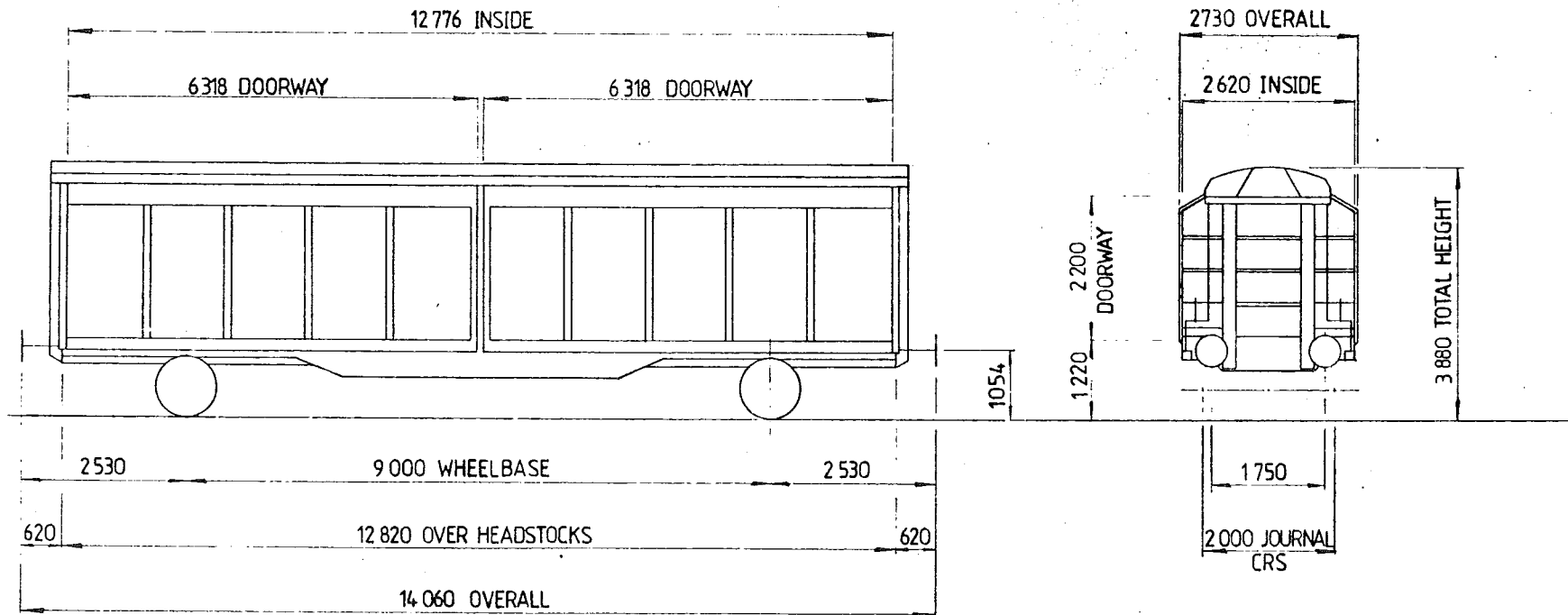
PROTOTYPE VAN (41 tonnes G.L.W.) ✓

VG001A

LOT NUMBER
4007

EXCESS LENGTH	H	M	L	E
tonnes	41	34	23	16
VB				
AB	45	32	19	10
RA	7	4	1	1
MAX SPEED	75	75	75	75

TOPS CODE										
CARKND	AARKND				OPERATING PANEL No.					
V	G	A	V	G	A	F	3	0	4	5



TARE -	13 000 Kg
CARRYING CAPACITY -	28 000 Kg
CAPACITY -	74 m ³
MAX. SPEED -	75 mile/h
WHEELS -	920 DIA
JOURNALS -	130 DIA ROLLER BEARINGS

BUFFERS -	HYDRAULIC, 457 DIA HEADS
COUPLINGS -	INTERNATIONAL SCREW
MIN. CURVE -	55 CLOSE COUPLED, 45 SINGLY
GEN. ARRGT. DRG. No. -	C1-A0-9003836
BRAKE -	AIR CLASP & HAND LEVER
SUSPENSION -	LONG LINK WITH BRUNINGHAUS SPRINGS

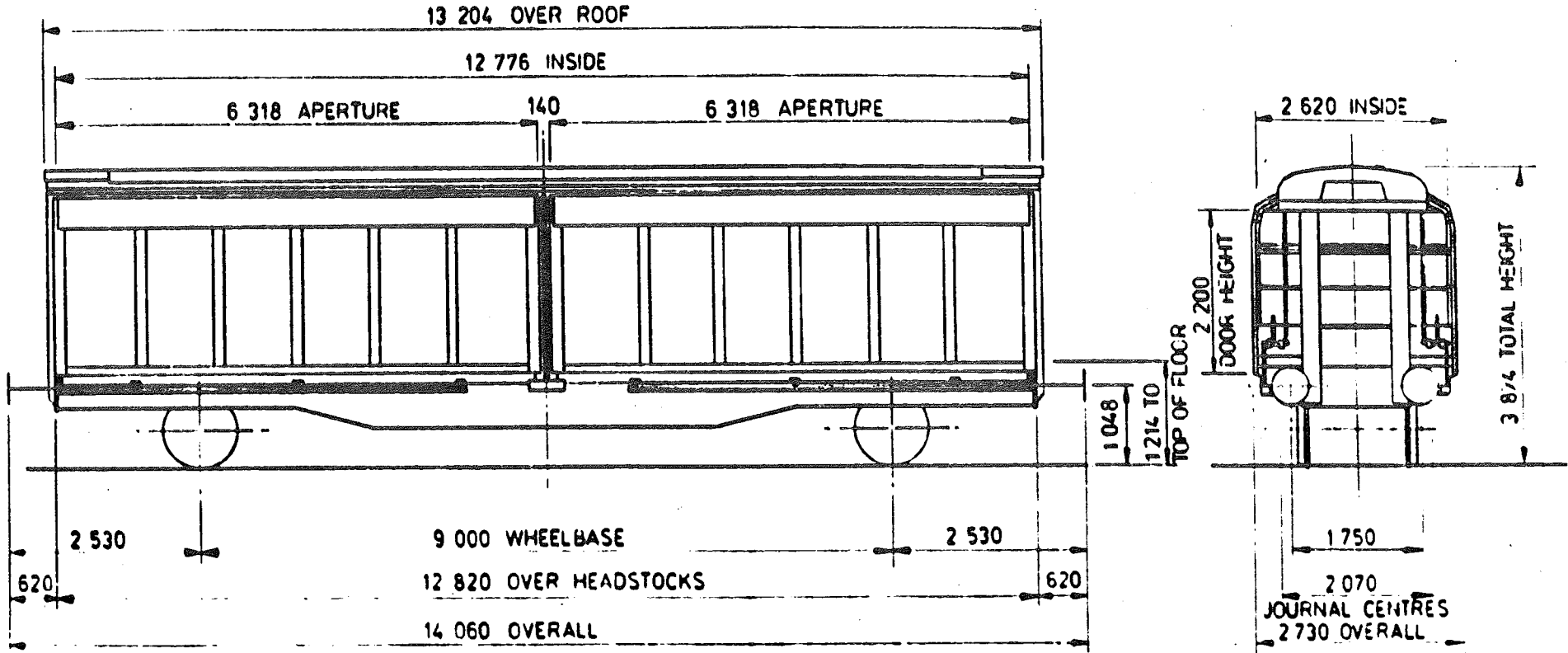
ISSUE 2

47 tonnes G.L.W. VAN

VG001B

LOT NUMBER	
4023	

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 FORMULA :-	
V	G	60 mile/h ABOVE		4.22 + (0.55 x 1) UP TO 41t G.L.W.	12
A	F			THEN CONSTANT	



TARE -	18 300kg
CAPACITY, WEIGHT -	28 700kg
CAPACITY, VOLUME -	76 M ³
MIN. CURVE -	33m SINGLY COUPLED 35m CLOSE COUPLED
GEN. ARRGT. DRG. NO. -	C1-A0-9005498

BRAKE -	AIR DISC AND HAND LEVER
SUSPENSION -	LONG LINK - BRUNINGHAUS SPRINGS
COUPLINGS -	INTERNATIONAL SCREW
BUFFERS -	HYDRAULIC 457 DIA HEADS
WHEELS -	920 DIA P 5 profile
JOURNALS -	140 DIA. ROLLER BEARINGS

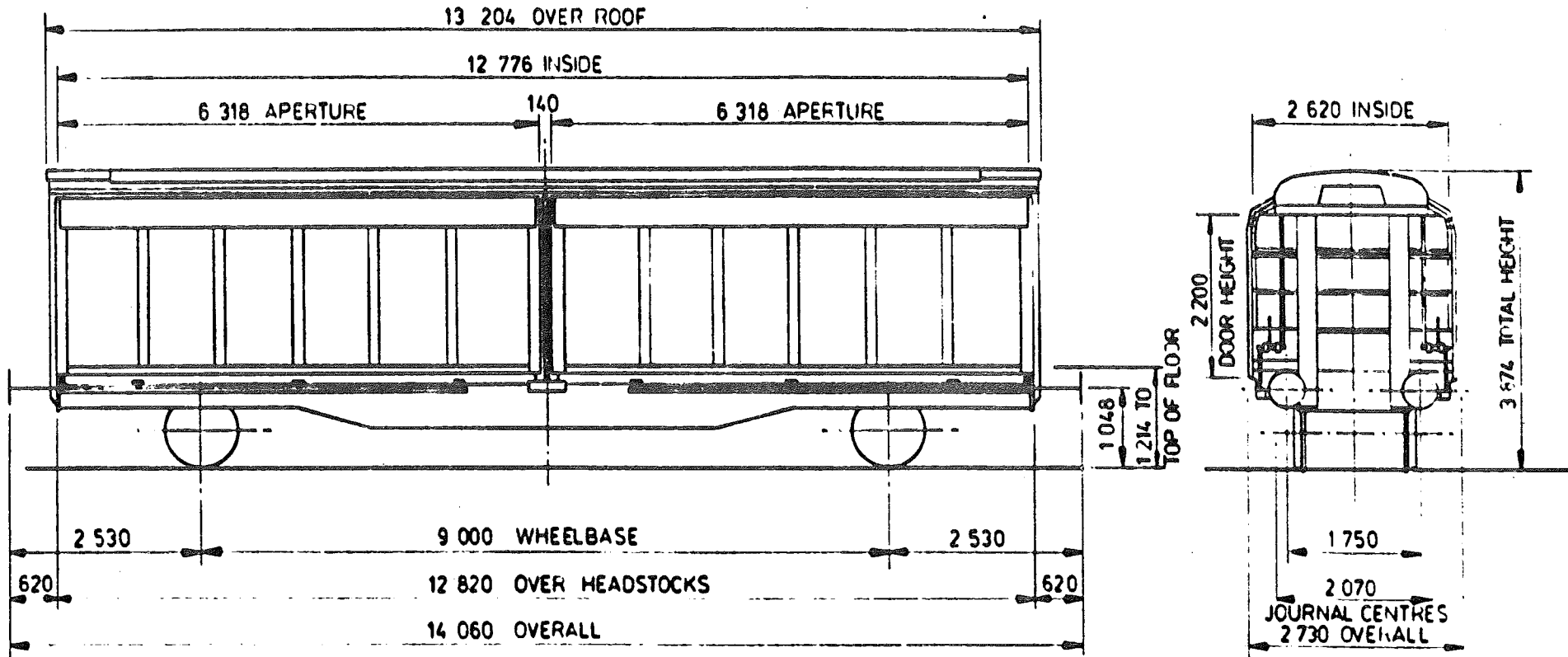
ISSUE 2

46 tonnes G.L.W. VAN

VG 001C

LOT NUMBER	
4023	

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 FORMULA:		12
V	G A F	60 mile/h ABOVE		4.22 * (0.55 * t) UP TO 41t G.L.W. THEN CONSTANT		



TARE -	18 300 kg
CAPACITY, WEIGHT -	27 700 kg
CAPACITY, VOLUME -	76 M ³
MIN. CURVE -	45 m SINGLY 33 m CLOSE COUPLED
GEN. ARRGT. DRG. NO. -	CI-AO-9005498

BRAKE -	AIR CLASP AND HAND LEVER
SUSPENSION -	LONG LINK - BRUNINGHAUS SPRINGS
COUPLINGS -	INTERNATIONAL SCREW
BUFFERS -	HYDRAULIC 457 DIA HEADS
WHEELS -	920 DIA P 5 profiles.
JOURNALS -	140 DIA ROLLER BEARINGS

ISSUE 2

DESIGN SHEET W1022

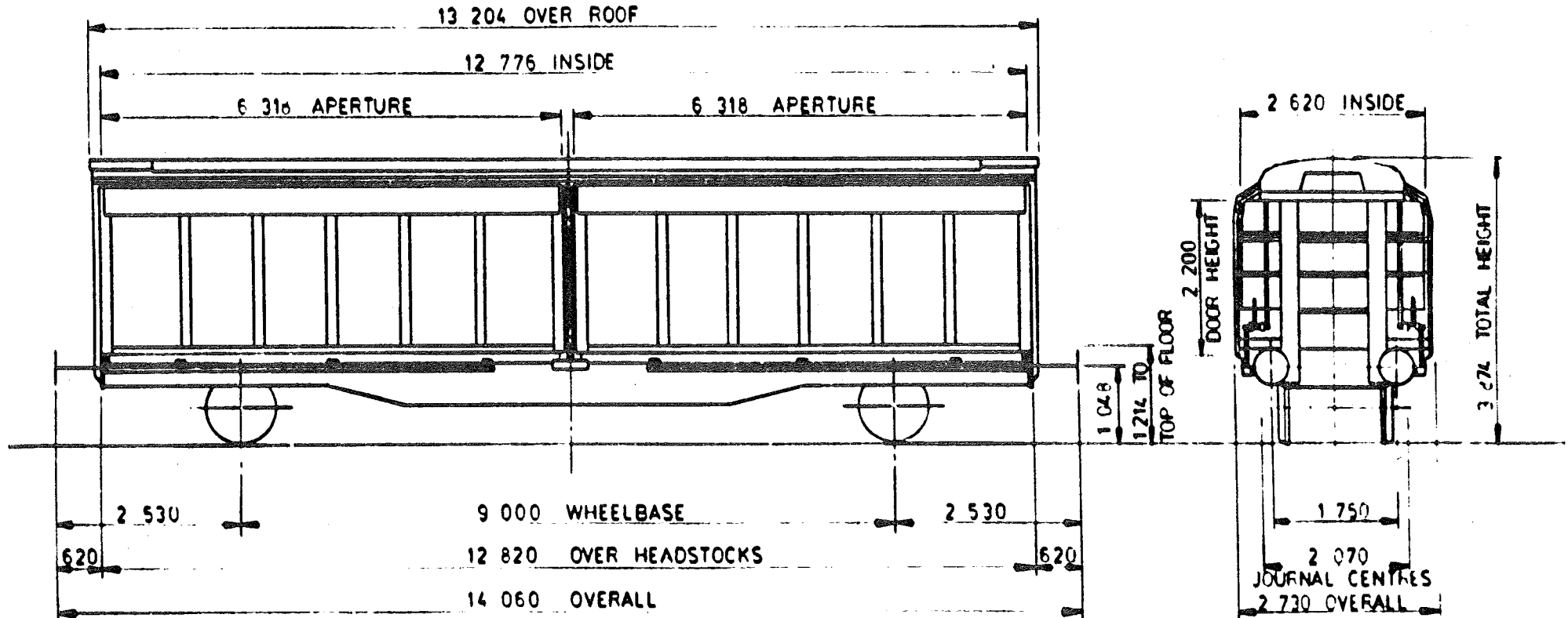
EX. BR. DIAGRAM

46 tonnes GLW VAN (EXPERIMENTAL FLOOR)

VG001D

LOT NUMBER	
4023	

TOPS INFORMATION										
AARKND	OPERATING	OPERATING SPEED				BRAKE FORCE DATA				
CARKND	PANEL No.	75 mile/h UP TO		41 tonne GLW		VARIABLE LOAD BRAKE FORMULA:-				
V	G	A	F			4.22 * (0.55 * t) UP TO 41t G.L.W.				
						THEN CONSTANT				
						EXCESS LENGTH	12		FA	9



TARE	17 900 kg
CAPACITY, WEIGHT	28 100 kg
CAPACITY, VOLUME	76 M ³
MIN. CURVE	15m SINGLY 55m CLOSE COUPLED
GEN. ARRG'T. DRG. NO.	C1-A0-9005498

BRAKE	AIR CLASP AND HAND LEVER
SUSPENSION	LONG LINK - BRUNINGHAUS SPRINGS
COUPLINGS	INTERNATIONAL SCREW
BUFFERS	HYDRAULIC 457 DIA. HEADS
WHEELS	920 DIA.
JOURNALS	140 DIA ROLLER BEARINGS

ISSUE 2

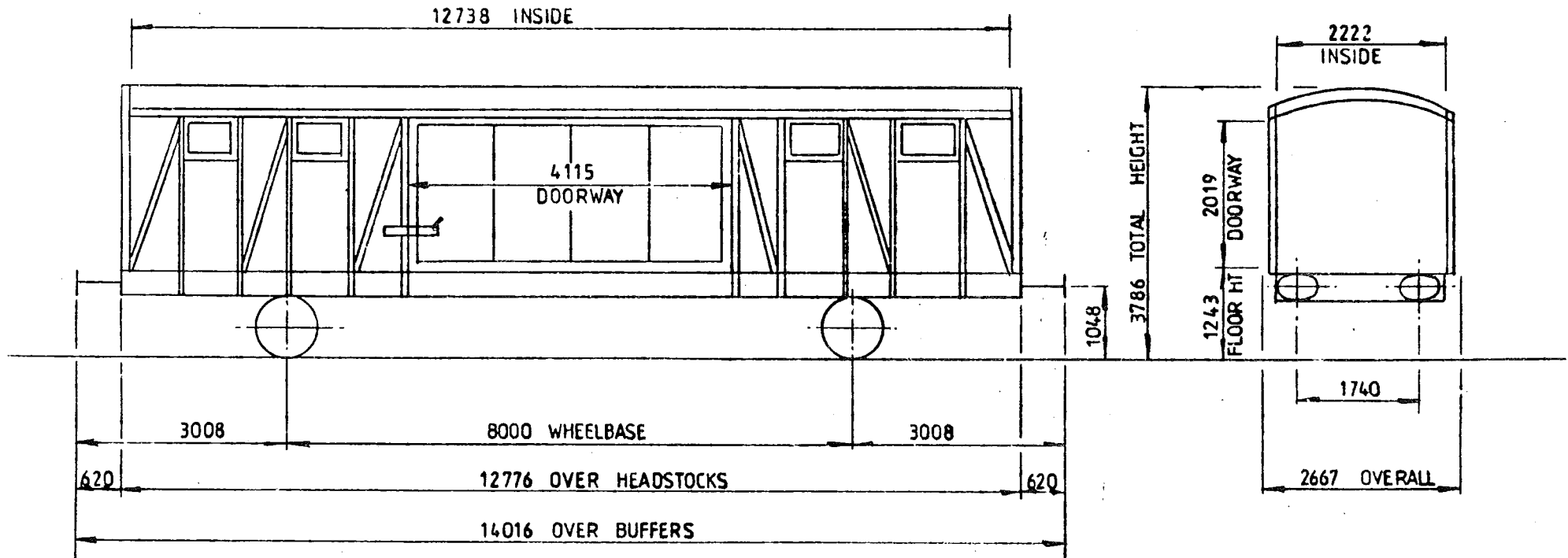
EX. BR. DIAGRAM

40 t GLW VAN [Ex R.I.V]

VJ002A

LOT NUMBER	
	3472

TOPS INFORMATION													
AARKND	OPERATING PANEL No.			OPERATING SPEED		BRAKE FORCE DATA			EXCESS LENGTH	RA (GLW)	DESIGN SHEET		
CARKND	0 3 2 0			60 mile/h UP TO — mile/h ABOVE		40 tonne GLW			10 t VACUUM 20 t AIR	TARE BRAKE ONLY	12	6	
V J X G													



TARE-	15000 kg
CAPACITY, WEIGHT-	25000 kg
CAPACITY, VOLUME-	66 m ³
MIN. CURVE-	
GEN. ARRGT. DRG. NO.-	DN 31002

BRAKE-	AIR & VACUUM	HAND LEVER
SUSPENSION-		
COUPLINGS-	INTERNATIONAL SCREW	
BUFFERS-	SELF CONTAINED 610 x 356 OVAL HEADS	
WHEELS-		
JOURNALS-	ROLLER BEARINGS	

ISSUE 1

EX. BR. DIAGRAM E 468