

MECHANICAL  ELECTRICAL  
**ENGINEERING**  
BRITISH RAILWAYS BOARD · HEADQUARTERS

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

© COPYRIGHT NOTICE

This PDF file has been created from the original book with permission of BRB (Residuary) Ltd who, including the relevant successor organisation, retains copyright in the original document.

This PDF version courtesy of Chris Dugdale, 2016.

Individuals may: use, retain and print out this PDF version for their private information or for that of their non-commercial enthusiast society or railway club. This document and any copies produced from it in any form may not be sold or lent for any payment in any form other than to cover copying or transmission costs. No reproduction permitted in any other form or circumstance without prior permission from the original copyright holder.

**( PART 2 )**

**UNCONTROLLED COPY**  
**WILL NOT BE KEPT UP TO DATE**

PART II

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 ( FB - MX )  
(Part 2)

Revision 8

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

FE001A	FN004C	FV003Y	HT017A	MC001D	MD015R
FE001E	FO001A	FV010D	HT018A	MC001G	MD015S
FE001F	FQ008A	FV010E	HT018B	MC003B	MD015T
FE001G	FQ008B	FW001A	HT019A	MC007D	MD015U
FE001H	FQ008C	HA001A	HT020A	MC018A	MD015V
FE002C	FV003A	HA002A	HT020B	MC018B	MD015W
FF001C	FV003C	HA002C	HT031A	MD007A	MD015X
FF001G	FV003D	HA002D	HT031B	MD007B	MD015Y
FF004A	FV003E	HA002E	HT031D	MD007C	MS002E
FG004J	FV003G	HB001A	HT031F	MD007E	MS002N
FG004T	FV003J	HE001B	HT031G	MD007F	MS002Q
FH001A	FV003L	HJ002C	HT031H	MD015E	MX001C
FN002A	FV003N	HK001A	HT031L	MD015F	MX001E
FN002B	FV003Q	HK003A	HU001A	MD015J	MX002A
FN003A	FV003R	HT004C	HU001B	MD015L	MX002B
FN003B	FV003S	HT015A	HU001C	MD015M	MX003A
FN004A	FV003T	HT016A	MC001B	MD015N	
FN004B	FV003U	HT016B	MC001C	MD015P	

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 ( FB - MX )  
(Part 2)

Revision 7

<u>DESIGN CODE</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
FG004T	insert	first issue
FN003F	insert	first issue
FP006A	insert	first issue
FP006B	insert	first issue
HS001A	insert	first issue
HS001C	insert	first issue
HS001D	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

(FB - MX)

<u>DIAGRAM NO.</u>	<u>DESCRIPTION</u>	<u>LOT NUMBER</u>
FG004T	Freightliner (Kalmar - Lagab maxi containers)	
FN003F	Irradiated fuel flask wagon	
FP006A	43.8t Container flat wagon	3764
FP006B	43.8t Container flat wagon	3832
HS001A	46t Hopper wagon	
HS001C	46t Hopper wagon	
HS001D	46t Hopper wagon	

VEHICLE DIAGRAM BOOK NO 320

B.R. Revenue freight vehicles ( FB - MX )  
(Part 2)

Revision **6**

<u>DESIGN CODE</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
HA002A	Remove issue 4 & insert issue 5	Amendment
HD001A	Remove issue 1 & insert issue 2	Amendment
HD001B	Remove issue 2 & insert issue 3	Amendment
FB003A	Remove issue 1 & insert issue 2	Amendment
FN002A	Remove issue 1 & insert issue 2	Amendment
FN002B	Remove issue 1 & insert issue 2	Amendment
FN003A	Remove issue 1 & insert issue 2	Amendment
FN003B	Remove issue 1 & insert issue 2	Amendment
FN003C	Remove issue 1 & insert issue 2	Amendment
FN003E	Insert	First issue -
FN004A	Remove issue 1 & insert issue 2	Amendment
FN004B	Remove issue 1 & insert issue 2	Amendment
FP005A	Remove issue 1 & insert issue 2	Amendment
FW001B	Remove issue 1 & insert issue 2	Amendment
MA001A	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

(FB - MX)

<u>DIAGRAM NO</u>	<u>DESCRIPTION</u>	<u>LOT NUMBER</u>
HA002A	47t Hopper coal wagon	3528 3558 3574 3575 3646 3647 3670 3688 3699 3720 3751 3788 3815 3844 3887
HD001A	47t Hopper coal wagon	4008
HD001B	47t Hopper coal wagon	4008
FB003A	40t "Mini" Conflat	3728
FN002A	80t Atomic flask wagon	3697
FN002B	86t Atomic flask wagon	3697
FN003A	79t Atomic flask wagon	4004
FN003B	79t Atomic flask wagon	3886 3928
FN003C	81t Atomic flask wagon	4049 4057
FN003E	81t Atomic flask wagon	3886 3928
FN004A	92t Atomic flask wagon	3300
FN004B	96t Atomic flask wagon	3300
FP005A	43t Container wagon (coal)	4050
FW001B	57.4t Boflat wagon	3229 3240
MA001A	46.8t Box body wagon	3646 3751

VEHICLE DIAGRAM BOOK NO. 320

B.R. Revenue freight vehicles ( FB - MX )  
(Part 2)

Revision 5

<u>DESIGN CODE</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
FB002A	insert	first issue
FB003A	insert	first issue
FE001L	insert	first issue
FJ001C	Remove issue 1 & insert issue 2	amendment
HE001B	Remove issue 2 & insert issue 3	amendment
HE002A	Remove issue 1 & insert issue 2	amendment
HE002B	Remove issue 1 & insert issue 2	amendment
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 :  
DM & EE  
RTC.  
DERBY.



ADDITION TO B.R. REVENUE INDEX

(FB - MX)

<u>DIAGRAM NO.</u>	<u>DESCRIPTION</u>	<u>LOT. NUMBER</u>
FB002A	Mini conflat	Pt 3728
FB003A	Mini conflat	Pt 3728
FE001L	Conflat E wagon	3240
FJ001C	82t Freightliner wagon	3980,3924
HE001B	46t Hopper mineral wagon	Pt 3885
HE002A	46t Hopper mineral wagon	Pt 3885
HE002B	46t Hopper mineral wagon	Pt 3885

VEHICLE DIAGRAM BOOK NO. 320

B.R. Revenue freight vehicles ( FB - MX )  
(Part 2)

Revision 4

<u>DESIGN CODE</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
HA001A	Remove issue 3 & insert issue 4	amendment
HA002A	Remove issue 3 & insert issue 4	amendment
HA002C	Remove issue 2 & insert issue 3	amendment
HA002D	Remove issue 2 & insert issue 3	amendment
HA002E	Remove issue 2 & insert issue 3	amendment
HA002F	Remove issue 1 & insert issue 2	amendment
HA002H	Remove issue 2 & insert issue 3	amendment
HA002K	Remove issue 1 & insert issue 2	amendment
HD001B	Remove issue 1 & insert issue 2	amendment
HK003A	Remove issue 2 & insert issue 3	amendment
MS002D	Remove issue 1 & insert issue 2	amendment
MS002E	Remove issue 1 & insert issue 2	amendment
MS002F	Remove issue 1 & insert issue 2	amendment
MS002J	Remove issue 1 & insert issue 2	amendment
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 :  
DM & EE  
RTC.  
DERBY.

ADDITION TO B.R. REVENUE INDEX

(FB - MX)

<u>DIAGRAM NO.</u>	<u>DESCRIPTION</u>	<u>LOT. NUMBER</u>
HA001A	47t GLW Hopper coal wagon	3945,Pt 3574,Pt 3575,Pt 3647, Pt 3670
HA002A	47t GLW Hopper coal wagon	3558,3688,3751,3788,3699,3720, 3815,3844,Pt 3887,Pt 3528, Pt 3574,Pt 3575,Pt 3646,Pt 3647, Pt 3670
HA002C	47t GLW Hopper coal wagon	3978,3984,3997,Pt 3887
HA002D	47t GLW Hopper coal wagon	Pt 3887
HA002E	47t GLW Hopper coal wagon	Pt 3528,Pt 3670,Pt 3558,Pt 3688, Pt 3574,Pt 3699,Pt3646,Pt 3720, Pt 3647,Pt 3751
HA002F	47t GLW Hopper coal wagon	3558,3688,3699,3720,3751,3788, 3815,3844,3495,3864,3869,3882, 3978,3984,Pt 3887,Pt 3528, Pt 3574,Pt 3575,Pt 3646,Pt 3647, Pt3670
HA002H	47t GLW Hopper coal wagon	3978,3984,3997,3720,Pt 3887
HA002K	47t GLW Hopper coal wagon	Pt 3528,Pt 3558,Pt 3574,Pt 3646 Pt 3647,Pt 3864,Pt 3670,Pt 3688, Pt 3699, Pt 3720,Pt 3751
MS002D	Ironstone tippler wagon	3363

Diagram	Description	Lot number
FF001A	FREIGHTLINER INNER VEH.	3499
FF001B	FREIGHTLINER INNER VEH.	3621, 3626, 3638, 3652, 3653.
FF001C	FREIGHTLINER INNER VEH.	3676, 3689, 3691, 3712.
FF001D	FREIGHTLINER INNER VEH.	3742, 3766, 3768, 3806, 3848.
FF001E	FREIGHTLINER INNER VEH.	3652
FF001F	FREIGHTLINER INNER VEH.	3676, 3698.
FF001G	FREIGHTLINER INNER VEH.	3652
FF001H	FREIGHTLINER INNER VEH.	3560, 3618.
FG004A	FREIGHTLINER OUTER VEH.	3498
FG004B	FREIGHTLINER OUTER VEH.	3654, 3655.
FG004C	FREIGHTLINER OUTER VEH.	3696
FG004D	FREIGHTLINER OUTER VEH.	3675, 3690.
FG004E	FREIGHTLINER OUTER VEH.	3718, 3765, 3741, 3767, 3807, 3057.
FG004G	FREIGHTLINER OUTER VEH.	3619, 3559.
FG004H	FREIGHTLINER OUTER VEH.	3692, 3711, 3675, 3690.
FG004J	FREIGHTLINER OUTER VEH.	3718

Diagram	Description	Lot Numbers
FG004K	FREIGHTLINER OUTER VEH.	3964
FG004L	FREIGHTLINER OUTER VEH.	3654
FG004M	FREIGHTLINER OUTER VEH.	3619
FG004N	FREIGHTLINER OUTER VEH.	3654
FG004P	FREIGHTLINER OUTER VEH.	3654
FG004Q	FREIGHTLINER OUTER VEH.	3654, 3675.
FG004R	FREIGHTLINER OUTER VEH.	3622, 3627, 3639, 3654.
FH001A	LOWLINER OUTER VEH.	3729
FH002A	LOWLINER OUTER VEH.	3730
FJ001B	67t GLW CONTAINER '60' WGN	3585
FJ001C	67t GLW CONTAINER '60' WGN	3980, 3924.
FM001A	64t GLW FREIGHT FLAT WGN	3499
FM002A	65t GLW FREIGHT FLAT WGN	3498, 3499.
FN002A	80t GLW BOGIE FLASK WGN	3697
FN002B	86t GLW BOGIE FLASK WGN	-
FN003A	79t GLW BOGIE FLASK WGN	3886, 3928.
FN003B	81t GLW BOGIE FLASK WGN	3886
FN003C	81t GLW BOGIE FLASK WGN	4049

Diagram	DESCRIPTION	Lot Numbers
FN004A	92t GLW BOGIE FLASK WGN	3300
FN004B	96t GLW BOGIE FLASK WGN	3300
FB004C	93t GLW BOGIE FLASK WGN	3300
F0001A	100t GLW BOGIE FLASK WGN	3300
FP005A	46t GLW CONTAINER WGN (COAL)	4050
FQ008A	24t GLW CARTIC	30770, 3518.
FQ008B	20t GLW CARTIC	30770, 3518.
FQ008C	19t GLW CARTIC	30770, 3518.
FR005A	TRANSFORMER WGN	2419
FV003A	31t GLW CARFLAT WGN	3536
FV003C	33t GLW CARFLAT WGN	3533, 3679, 3831.
FV003D	31t GLW CARFLAT WGN	3536, 3757.
FV003E	31t GLW CARFLAT WGN	3536
FV003G	33t GLW CARFLAT WGN	3831
FV003J	33t GLW CARFLAT WGN	3679
FV003L	33t GLW CARFLAT WGN	3831
FV003N	31t GLW CARFLAT WGN	3536

Diagram	Description	Lot Numbers
FV003Q	31t GLW CARFLAT WGN	3536
FV003R	33t GLW CARFLAT WGN	3679
FV003S	31t GLW CARFLAT WGN	3536
FV003T	33t GLW CARFLAT WGN	3758
FV003U	32t GLW CARFLAT WGN	3715, 3758.
FV003V	33.5t GLW CARFLAT WGN	3715, 3758.
FV003X	33t GLW CARFLAT WGN	3679
FV003Y	33t GLW CARFLAT WGN	3679
FV003Z	33.5t GLW CARFLAT WGN	3831
FV0010B	33t GLW CARFLAT WGN	3588, 3589.
FV0010D	33t GLW CARFLAT WGN	3533
FV0010E	33t GLW CARFLAT WGN	-
FV0011B	34t GLW CARFLAT WGN	3533, 3534, 3535, 3563.
FW001A	58t GLW BOFLAT WGN	3229
FW001B	58t GLW BOFLAT WGN	-
FW002A	58t GLW BOFLAT WGN	-
FY001A	FREIGHTLINER OUTER VEHICLE	3692, 3711, 3675, 3690.
FY001B	FREIGHTLINER OUTER VEHICLE	3718

Diagram	Description	Lot Numbers
HA001A	32,5t GLW COAL HOPPER	3575, 3528, 3647.
HA001C	32.5t GLW COAL HOPPER	3495, 3528, 3574, 3646, 3647, 3720, 3844.
HA001D	32.5t GLW COAL HOPPER	3645
HA002A	32.5t GLW COAL HOPPER	3528, 3558, 3574, 3575, 3646, 3647, 3670, 3688, 3699, 3720, 3751, 3788, 3815, 3844, 3864, 3869, 3882, 3887.
HA002C	32.5t GLW COAL HOPPER	3887, 3978, 3984, 3997.
HA002D	32.5t GLW COAL HOPPER	3887
HA002E	32.5t GLW COAL HOPPER	3528, 3558, 3574, 3646, 3647, 3670, 3688, 3699, 3720, 3751.
HA002F	32,5t GLW COAL HOPPER	3495, 3528, 3558, 3574, 3575, 3646, 3647, 3670, 3688, 3699, 3720, 3751, 3788, 3815, 3844, 3864, 3869, 3882, 3887, 3978, 3984.
HA002H	32.5t GLW COAL HOPPER	3720, 3887, 3978, 3984, 3997.
HA002K	32.5t GLW COAL HOPPER	3528, 3558, 3574, 3646, 3647, 3670, 3688, 3699, 3720, 3751, 3864.
HB001A	46t GLW MINERAL HOPPER	3885
HD001A	47t GLW COAL HOPPER M.G.R.	4008
HD001B	47t GLW COAL HOPPER M.G.R.	4008
HE001A	46t GLW COAL HOPPER (60 MPH)	3885
HE001B	51t GLW COAL HOPPER (60 MPH)	3885
HE001C	46t GLW COAL HOPPER (60 MPH)	3881, 3885.



Diagram	Description	Lot Numbers
HE001D	46t GLW COAL HOPPER (60 MPH)	3885
HE002A	46t GLW COAL HOPPER (60 MPH)	3885
HE002B	46t GLW COAL HOPPER (60 MPH)	3885
HA002A	35t GLW IRONSTONE HOPPER	3142
HJ002B	34t GLW IRONSTONE HOPPER	3189
HJ002C	35.5t GLW IRONSTONE HOPPER	2733, 3001.
HJ002D	35.5t GLW IRONSTONE HOPPER	2733, 3001.
HK001A	45t GLW IRONSTONE HOPPER	2962
HK002A	44t GLW IRONSTONE HOPPER	3142
HK003A	45.5t GLW IRONSTONE HOPPER	3002
HK003B	45.5t GLW IRONSTONE HOPPER	3002
HT004C	31t GLW COAL HOPPER	2552, 2713, 2726, 2731, 2932, 2933, 2934, 3013, 3030, 3045.
HT004D	31t GLW COAL HOPPER	2552, 2731, 2933, 2934, 3013, 3030, 3031, 3032, 3033, 3034, 3035, 3036, 3037, 3045, 3157, 3158, 3159, 3160.
HT006B	31t GLW COAL HOPPER	3120
HT015A	30t GLW COAL HOPPER	2053, 2054.
HT016A	30t GLW COAL HOPPER	2163, 2164, 2165, 2166, 2167, 2168, 2212.
HT016B	30t GLW COAL HOPPER	2163, 2164, 2166, 2167, 2168, 2212.

Diagram	Description	Lot Numbers
HT017A	30t GLW COAL HOPPER	2402, 2403, 2727, 2728.
HT018A	30t GLW COAL HOPPER	2330, 2400, 2401, 2552, 2713, 2731, 2932, 2933, 2934, 2935, 2954, 3045.
HT018B	30t GLW COAL HOPPER	2401, 2552, 2731, 2933, 2934, 2935, 3013, 3030, 3031, 3032, 3023, 3034, 3035, 3036, 3037, 3045, 3157, 3158, 3159, 3160.
HT018C	30t GLW COAL HOPPER	2339, 2552, 2713, 2726, 2731, 2932, 2933, 2934, 2935, 2954, 3013, 3033, 3037, 3045.
HT018D	30t GLW COAL HOPPER	2330, 2552, 2713, 2726, 2731, 2932, 2933, 2934, 2935, 2954, 3013, 3030, 3031, 3032, 3033, 3034, 3035, 3036, 3037, 3045, 3120, 3157, 3158, 3159, 3160.
HT019A	30t GLW COAL HOPPER	3120
HT019B	30t GLW COAL HOPPER	3120
HT020A	30t GLW COAL HOPPER	2402, 2403.
HT020B	30t GLW COAL HOPPER	2402, 2403.
HT021B	30t GLW COAL HOPPER	3120
HT031A	31.5t GLW COAL HOPPER	3919
HT031B	31t GLW COAL HOPPER	3919
HT031D	31t GLW coal hopper	3919
HT031F	31.5t GLW COAL HOPPER	3919
HT031G	31.5t GLW COAL HOPPER	3919

Diagram	Description	Lot Numbers
HT031H	31.0t GLW COAL HOPPER	3919
HT031L	31.5t GLW COAL HOPPER	3916
HT031M	31t GLW COAL HOPPER	3916
HT031	31t GLW COAL HOPPER	3916
HT031P	31t GLW COAL HOPPER	3916
HT032M	34.5t GLW COAL HOPPER	3120, 3916.
HT032N	34.5t GLW COAL HOPPER	3916
HT032P	34.5t GLW COAL HOPPER	3916
HU001A	35t GLW COAL HOPPER	2609
HW001B	35.5t GLW COAL HOPPER	3426
HU001C	35t GLW COAL HOPPER	3466, 3525, 3526.
HU001E	35t GLW COAL HOPPER	2609, 3121, 3221, 3314, 3374, 3437.
MC001B	24t GLW MINERAL FLAT WGN	2385, 2918, 2920, 2922, 3178.
MC001C	23t GLW MINERAL FLAT WGN	2634, 2637, 2797, 2802, 2907, 2917, 2918, 2919, 2920, 2921, 2922.
MC001D	24t GLW MINERAL FLAT WGN	2385, 2635, 2637, 2788, 2806, 2810, 2907, 2912, 2915, 2917, 2918, 2923, 3054, 3062, 3063, 3143, 3144, 3178.
MC001G	24t GLW MINERAL FLAT WGN	2917, 2919, 2920, 2921, 2922.
MC003B	23.5t GLW MINERAL FLAT WGN	3042, 3076, 3145, 3146.

Diagram	Description	Lot Numbers
MC003D	24t GLW MINERAL FLAT WGN	3042, 3076, 3145, 3146.
MC007D	245 GLW MINERAL FLAT WGN	2331
MC018A	24.5t GLW MINERAL FLAT WGN	3863
MC018B	24.5t GLW MINERAL FLAT WGN	3863
MD007A	31.5t GLW MINERAL FLAT WGN	2552, 2713, 2726, 2727, 2728, 2731, 2932, 2933, 2934, 2935, 2954, 3013, 3045.
MD007B	32t GLW MINERAL FLAT WGN	2192, 2193.
MD007C	31.5t GLW MINERAL FLAT WGN	2190
MD007E	31.5 GLW MINERAL FLAT WGN	2552, 2713, 2726, 2727, 2731, 2932, 2933, 2934, 2935, 3013, 3030, 3031, 3032, 3033, 3034, 3035, 3036, 3037, 3045, 3120, 3121, 3157, 3237.
MD007F	32t GLW MINERAL FLAT WGN	2191, 2192, 2193.
MD008B	33t GLW MINERAL FLAT WGN	3390, 3430, 3438, 3439.
MD008C	33t GLW MINERAL FLAT WGN	3387
MD008D	33t GLW MINERAL FLAT WGN	3387
MD008E	33t GLW MINERAL FLAT WGN	3387
MD015E	28t GLW MINERAL FLAT WGN	2190, 2191, 2192, 2193, 2600.
MD015F	28t GLW MINERAL FLAT WGN	2190
MD015G	30t GLW MINERAL FLAT WGN	3390, 3430.
MD015H	30t GLW MINERAL FLAT WGN	3387
MD015J	30t GLW MINERAL FLAT WGN	2460, 2600, 2602.

Diagram	Description	Lot Numbers
MD015L 30t	GLW MINERAL FLAT WGN	2460, 2600, 2602.
MD015M 30t	GLW MINERAL FLAT WGN	2600, 3244, 3302, 3388, 3427.
MD015N 30t	GLW MINERAL FLAT WGN	2191, 2192, 2193.
MD015P 30t	GLW MINERAL FLAT WGN	2190
MD015R 28t	GLW MINERAL FLAT WGN	3920
MD015S 28t	GLW MINERAL FLAT WGN	3920
MD015T 28t	GLW MINERAL FLAT WGN	3920
MD015U 28t	GLW MINERAL FLAT WGN	3920
MD015V 28t	GLW MINERAL FLAT WGN	3920
MD015W 28t	GLW MINERAL FLAT WGN	3920
MD015X 30t	GLW MINERAL FLAT WGN	3920
MD015Y 30t	GLW MINERAL FLAT WGN	3920
MS002B 35t	GLW STONE TIPPLER WGN	3363
MS002E 37.5t	GLW STONE TIPPLER WGN	
MS002F 35.5t	GLW STONE TIPPLER WGN	3091
MS002J 35.5t	GLW STONE TIPPLER WGN	3091
MS002N 35t	GLW STONE TIPPLER WGN	3363
MS002Q 35.5t	GLW STONE TIPPLER WGN	3091

Diagram	Description	Lot Numbers
MT001A	35.5t GLW STONE TIPPLER WGN	3859
MX001A	235 GLW MINERAL FLAT	2633, 2635, 2636, 2685, 2686, 2687, 2703, 2913, 2917, 2918, 2919, 2920, 2921, 2922, 2923, 3146.
MX001C	14t GLW MINERAL FLAT	2685, 2912, 2915, 2923, 3062, 3143, 3144.
MX001E	25.5t GLW MINERAL FLAT	2922
MX002A	24.5t GLW MINERAL FLAT	3863
MX002B	24.5t GLW MINERAL FLAT	3863
MX003A	23.5t GLW MINERAL FLAT	3042, 3076, 3145, 3146.

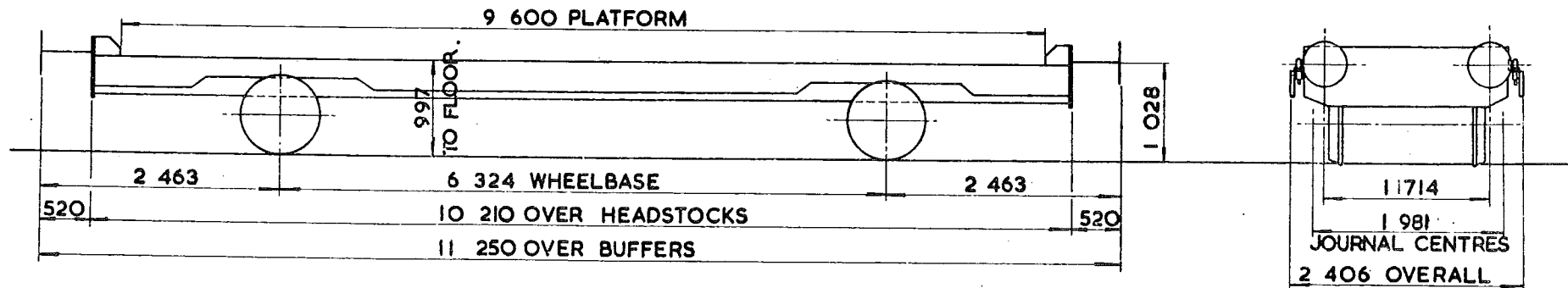
# CONFLAT WAGON

# FBOOIA

LOT NUMBER
3620
3566

EXCESS LENGTH	8	H	M	L	E
tonnes	35	29	13	10	
VB	0	0	0	0	
AB	24	19	14	7	
RA	5	2	1	1	
MAX. SPEED	75	75	75	75	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No.		
F B B	F B B C	2 9 4			



TARE - 10 250 kg
CARRYING CAPACITY - 25 500 kg
CAPACITY -
MAX. SPEED - 75 mile/h
WHEELS - 812 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - HYDRAULIC 457. DIA. HEADS
COUPLINGS - B.R. SCREW
MIN. CURVE - 41 m
GEN. ARRGT. DRG. No. - DE 12603
BRAKE - AIR DISC, VACUUM PIPED & HAND LEVER
SUSPENSION - DOUBLE LINK

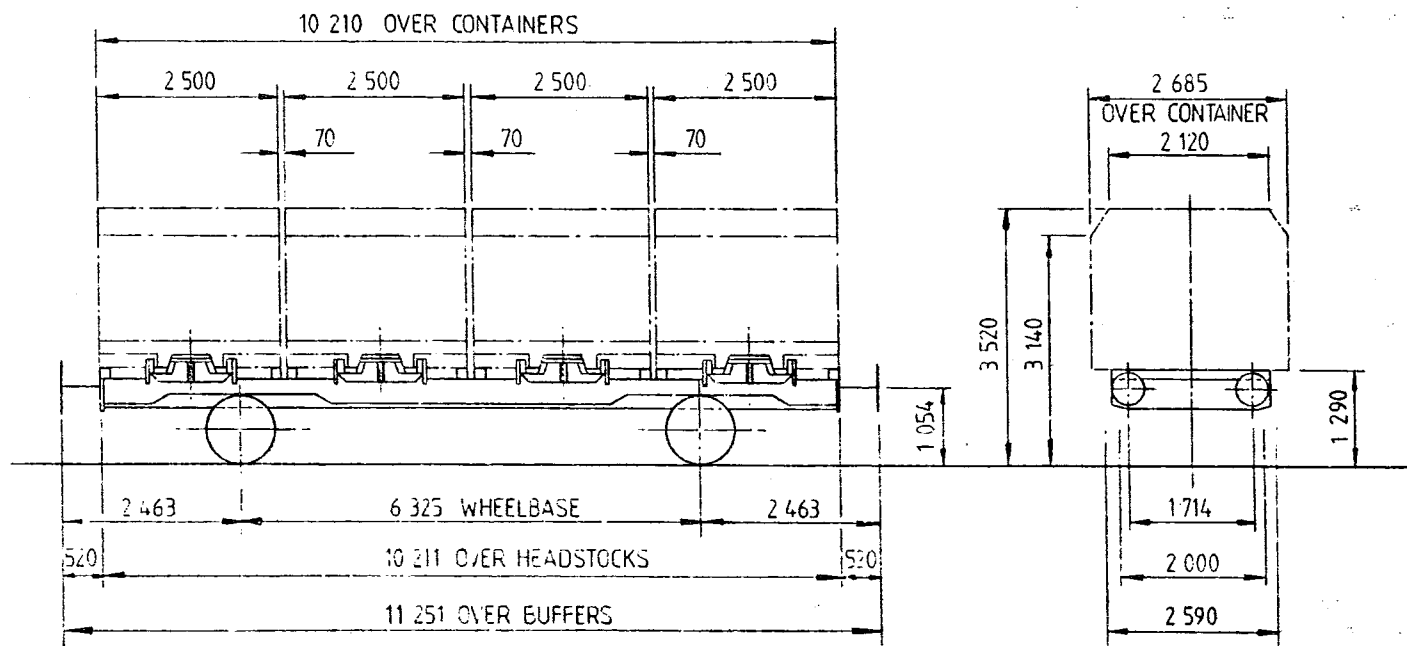
ISSUE 1  
EX B.R. DIAGRAM 1/79

# 'MINI' CONFLAT

FBOO2A

LOT NUMBER	
Pt 3728	

TOPS INFORMATION											
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH	RA (GLW)	DESIGN SHEET
CARKND		PANEL No.		60 mile/h UP TO mile/h ABOVE			VARIABLE LOAD 5.22 + (0.484 x tonnes)		8	6	W 1666 W 1667
F	B	A	C								



TARE-	14 400 kg
CAPACITY, WEIGHT-	25 600 kg
CAPACITY, VOLUME-	
MIN. CURVE-	50m CLOSE COUPLED, 41m SINGLE
GEN. ARRGT. DRG. NO.-	F-5-2496
	BODY

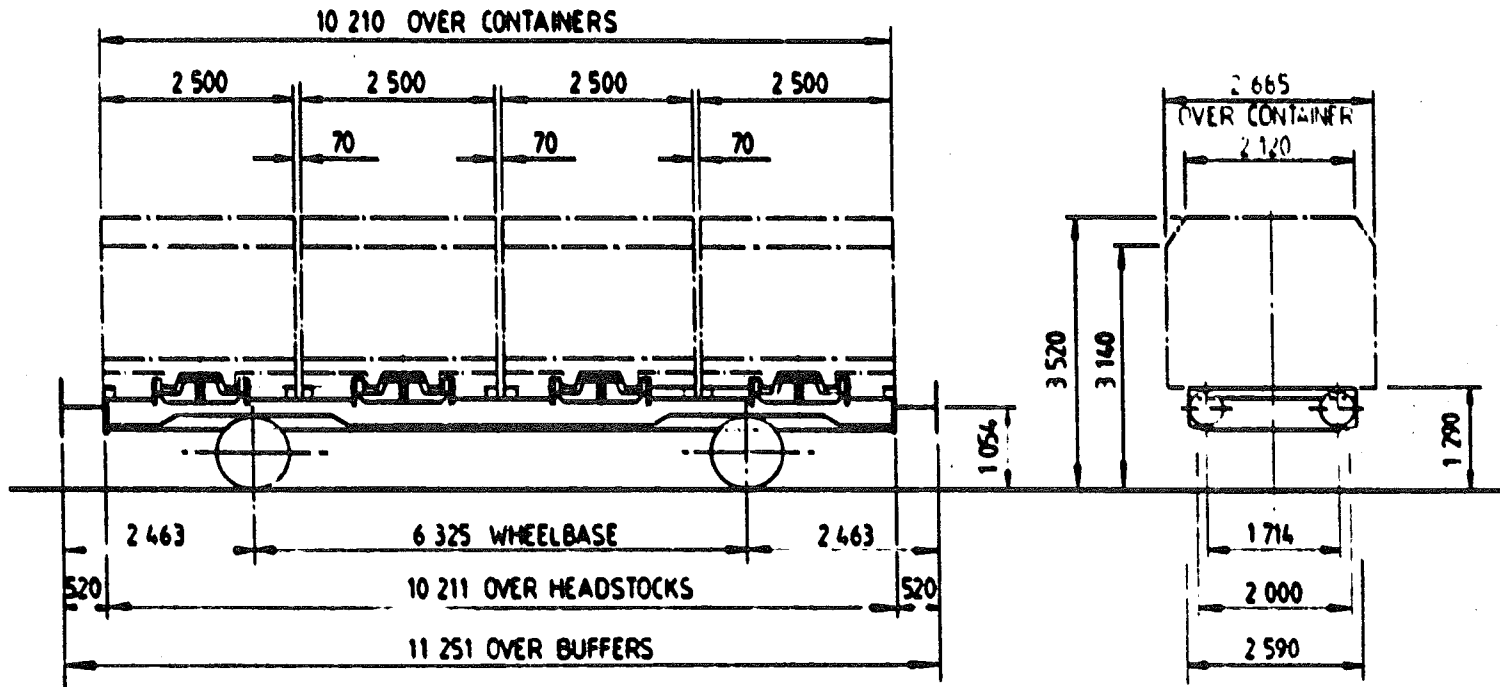
BRAKE-	AIR, DISC & HAND LEVER
SUSPENSION-	LONG LINK
COUPLINGS-	B.R. SCREW
BUFFERS-	HYDRAULIC 457 DIA. HEADS
WHEELS-	952 DIA
JOURNALS-	140 DIA. ROLLER BEARINGS

ISSUE 1



LOT NUMBER	
Pt 3728	

TOPS INFORMATION											
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH	RA (GLW)	DESIGN SHEET
CARKND		PANEL No.		60 mile/h UP TO mile/h ABOVE			VARIABLE 5.22 * (0.484 x tonnes)		0	6	W 1668
F	B	A	C								



TARE-	14 600 kg
CAPACITY, WEIGHT-	25 600 kg
CAPACITY, VOLUME-	
MIN. CURVE-	50m CLOSE COUPLED, 41m SINGLY
GEN. ARRGT. DRG. NO.-	F-S-2496

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 2

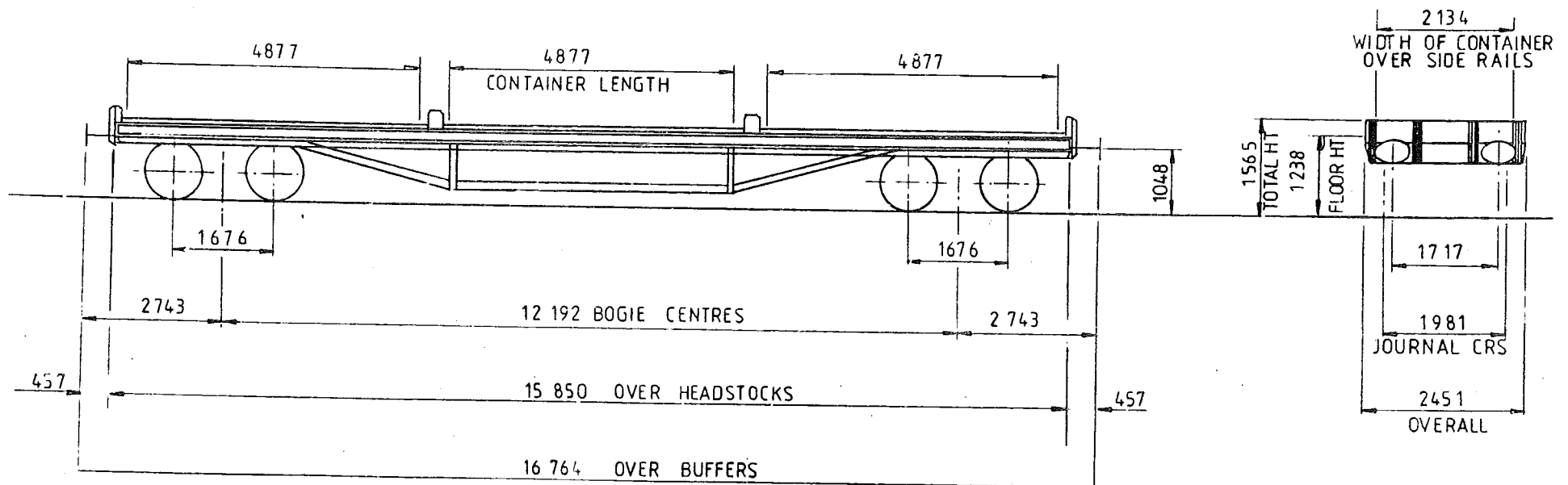
# CONFLAT 'E' WAGON

FE001J

LOT NUMBER
EX 3229

EXCESS LENGTH	H	M	L	E
tonnes	39	34	24	18
VB	12	12	12	12
AB	0	0	0	0
RA	2	1	1	1
MAX SPEED	60	60	60	60

TOPS CODE										
CARKND		AARKND			OPERATION					
F	E	W	F	E	W	E	6	0	6	3



TARE	19 400 Kg
CARRYING CAPACITY -	42 500 Kg
CAPACITY -	
MAX SPEED	60 mile/h
WHEELS	∅ 952
JOURNALS	∅ 124 ROLLER BEARINGS

BUFFERS	HYDRAULIC 610 x 356 OVAL HEADS
COUPLINGS	B.R SCREW
MIN CURVE	22m
GEN ARRGT DRG No	SW/DE/ 35595
BRAKE VACUUM BLOCK, AIR PIPE, HAND LEVER	
SUSPENSION	SECONDARY COIL

ISSUE 1

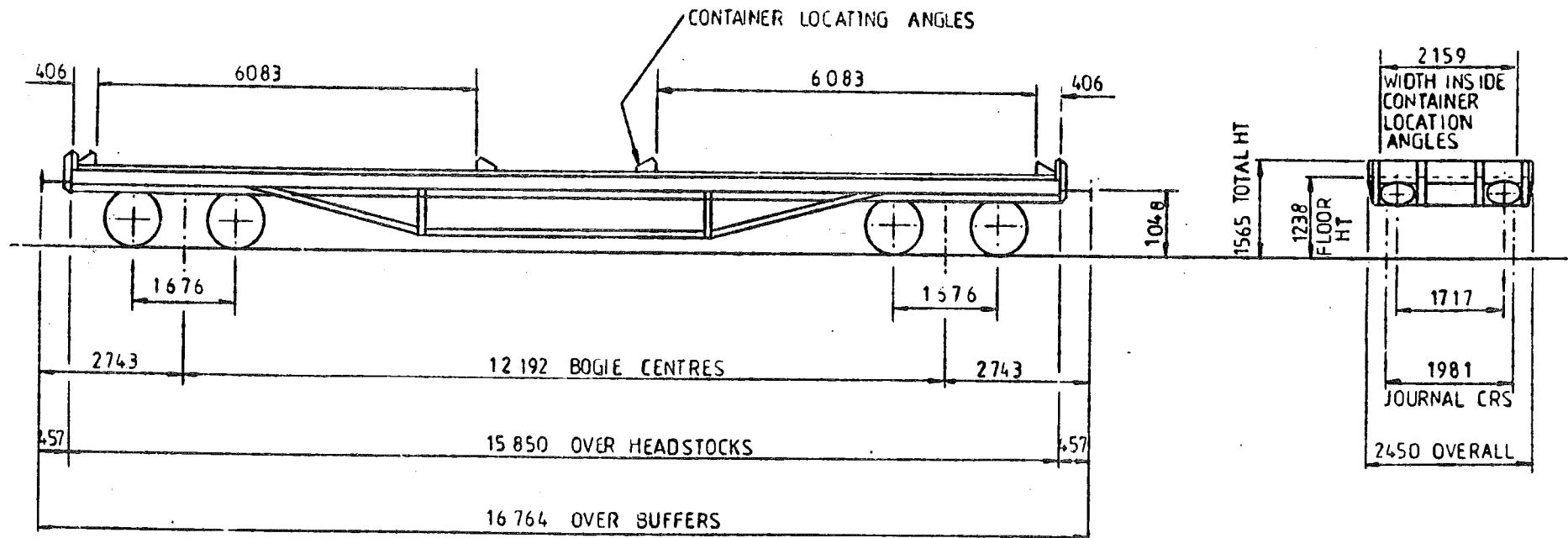
EX BR DIAGRAM 1/176 (ALLOCATED)

# 63t GLW CONFLAT WAGON

FE001K

LOT NUMBER	
3229	

TOPS INFORMATION					
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA	EXCESS LENGTH 7
CARKND	PANEL NO.	60 mile/h UP TO		12t BRAKED TO TARE	
F E W C	6 1 1 1	<del>mile/h ABOVE</del> 63 tonne GLW			



TARE - 17 000 Kg (est)
CAPACITY, WEIGHT - 46 000 Kg (est)
CAPACITY, VOLUME -
MIN. CURVE - 22m
GEN. ARRGT. DRG. N <sup>o</sup> . - SW/DE/35595

BRAKE - VACUUM BLOCK AIR PIPE HAND LEVER
SUSPENSION - PRIMARY COIL
COUPLINGS - B R SCREW
BUFFERS - HYDRAULIC 610x356 OVAL HEADS
WHEELS - 952 DIA
JOURNALS - 124 DIA ROLLER BEARINGS

ISSUE 1

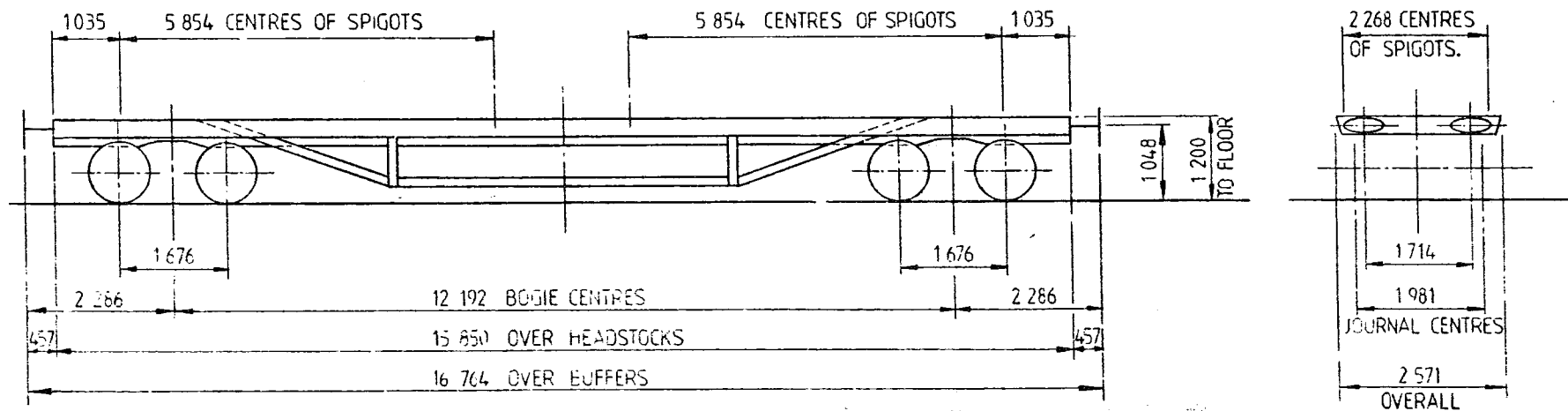
EX. BR. DIAGRAM 1/172

# CONFLAT 'E' WAGON

FEOO1L

LOT NUMBER	
3240	

TOPS INFORMATION											
AARKND		OPERATING		OPERATING SPEED		BRAKE FORCE DATA		EXCESS LENGTH	RA (GLW)	DESIGN SHEET	
		CARKND		60 mile/h UP TO mile/h ABOVE		58.5 tonne GLW		VACUUM 12t CONSTANT	7	1	W1703
F	E	W	C								



TARE-	16 000 kg
CAPACITY, WEIGHT-	42 500 kg
CAPACITY, VOLUN.E-	
MIN. CURVE-	22m
GEN. ARRGT. DRG. NO.-	DE 12591
	BOGIE SW.SW. 939

BRAKE-	VACUUM, BLOCK & HAND LEVER
SUSPENSION-	BOGIE A3 RIDE CONTROL
COUPLINGS-	INSTANTER
BUFFERS-	SELF CONTAINED 559 x 356 OVAL HEADS
WHEELS-	952 DIA
JOURNALS-	124 DIA. ROLLER BEARINGS

ISSUE 1.

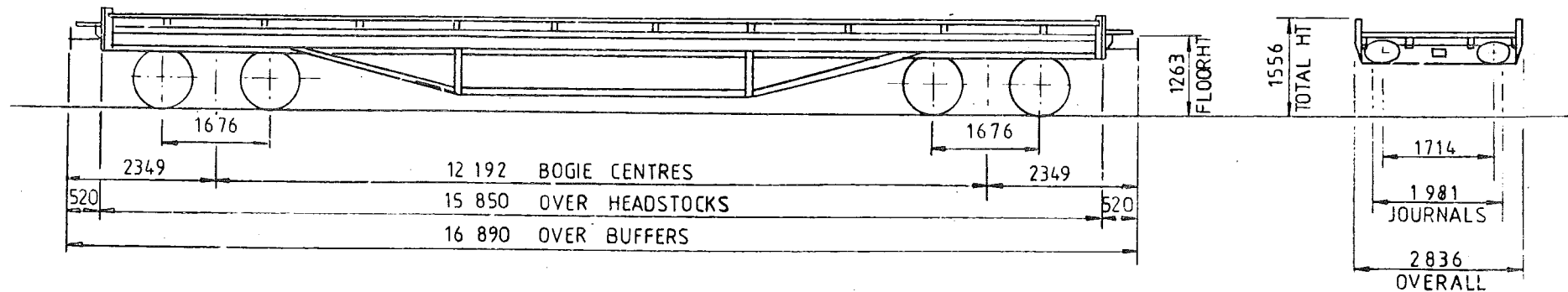
# CONFLAT WAGON COBRA POTASH CONTAINERS

FE002A

LOT NUMBER
3229

EXCESS LENGTH	7	H	M	L	E
tonnes		63	40	23	17
VB		12	12	12	12
AB		0	0	0	0
RA		3	1	1	1
MAX SPEED		60	60	60	60

TOPS CODE										
CARKND			AARKND			OPERATION PANEL				
F	E	W	F	E	W	P	0	3	8	4



TARE	17 000 Kg
CARRYING CAPACITY -	46 000 Kg
CAPACITY -	
MAX SPEED	60 mile/h
WHEELS	φ 952
JOURNALS	φ 124 ROLLER BEARINGS

BUFFERS	HYDRAULIC, 610x356 OVAL HEADS.
COUPLINGS	INSTANTER.
MIN CURVE	22 m.
GEN ARRGT DRG No	SW/DE/35595, F-S-18284.
BRAKE	VACUUM BLOCK, AIR PIPE, HAND SCREW.
SUSPENSION	SECONDARY COIL.

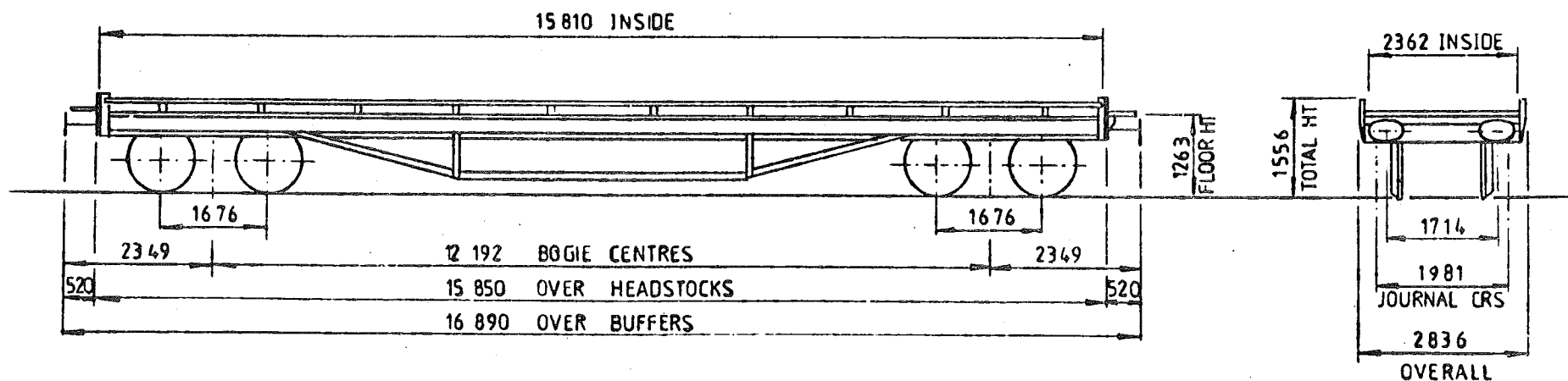
ISSUE 1

# CONFLAT WAGON

FE002B

LOT NUMBER	
3229	

TOPS INFORMATION								
AARKND	OPERATING		OPERATING SPEED		BRAKE FORCE DATA		EXCESS LENGTH	RA (GLW)
CARKND	PANEL NO.		60 mile/h UP TO		12 + BRAKED TO TARE		7	3
F E W C	0	3	8	4	- mile/h ABOVE 63 tonne GLW			



TARE -	17 000 kg
CAPACITY, WEIGHT -	46 000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	22 m
GEN. ARRGT. DRG. N <sup>o</sup> . -	SW / DE / 35595

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

ISSUE 1

EX. BR. DIAGRAM 492

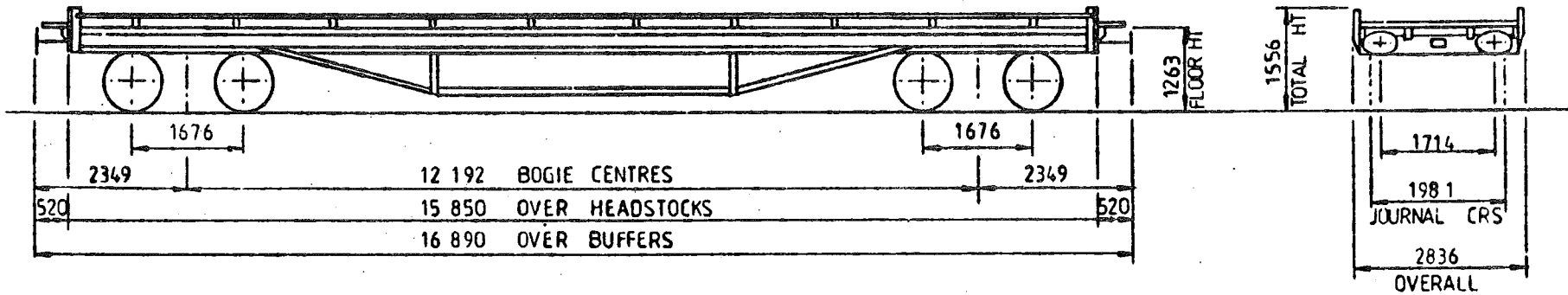
# CONFLAT WAGON

FE002D

W1292

LOT NUMBER	
3229	

TOPS INFORMATION					
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA	EXCESS LENGTH
CARKND	PANEL NO.	60 mile/h UP TO		12 t BRAKED TO TARE	7
F E W C	6 1 1 6	<del>mile/h ABOVE</del> 58 tonne GLW			



TARE -	15 400 Kg
CAPACITY, WEIGHT -	42 600 Kg
CAPACITY, VOLUME -	
MIN. CURVE -	22 m
GEN. ARRGT. DRG. N <sup>o</sup> -	SW / DE / 35595, F-S-18284.

BRAKE -	VACUUM BLOCK, AIR PIPE, HAND SCREW.
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 492

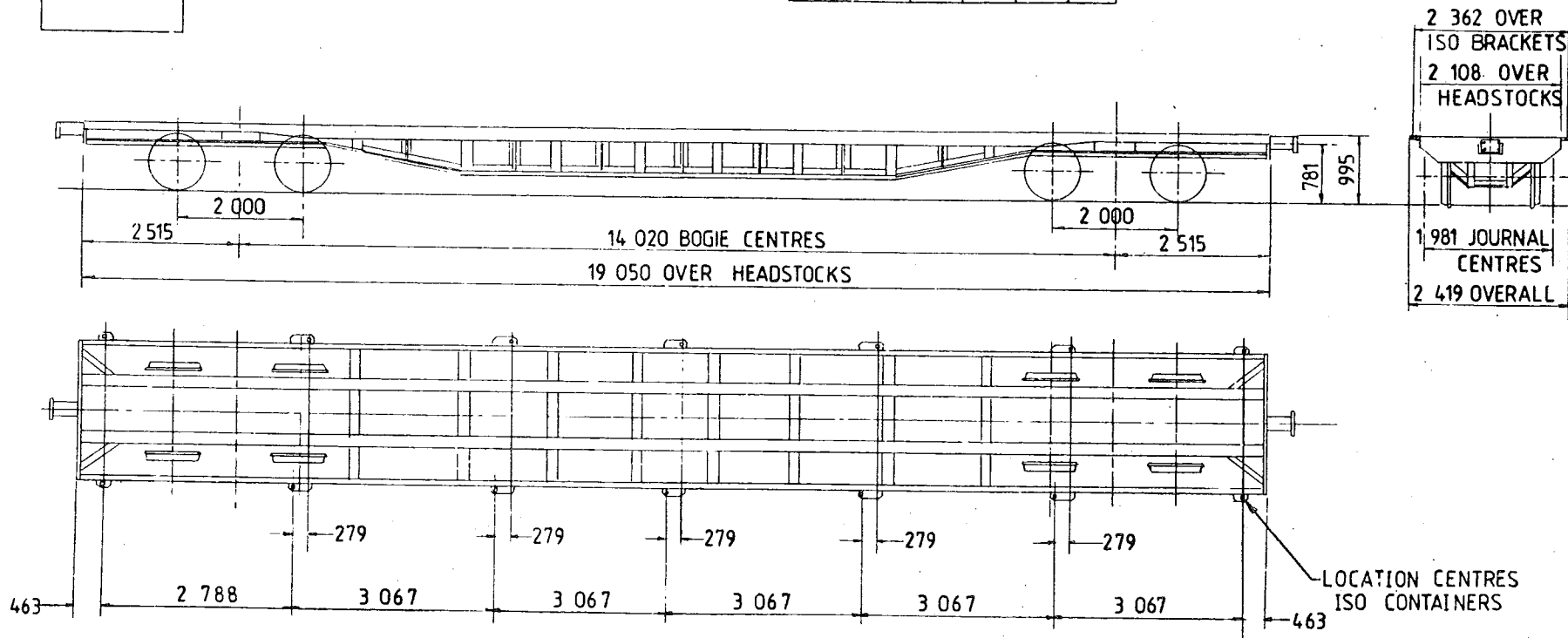
# FREIGHTLINER INNER VEHICLE

FF001A

LOT NUMBER
PART 3499

EXCESS LENGTH	10	H	M	L	E
tonnes	70	51	33	19	
VB					
AB	56	44	25	12	
RA	5	2	1	1	
MAX SPEED	75	75	75	75	

TOPS CODE										
CARKND	AARKND			OPERATING PANEL No						
F	F	A	F	F	A	F	7	0	3	6



TARE 19 <sup>700</sup> kg
CARRYING CAPACITY— 52 <sup>000</sup> kg.
CAPACITY—
MAX SPEED 75 mile /h
WHEELS 812 DIA
JOURNALS 124 DIA ROLLER BEARINGS

BUFFERS
COUPLINGS — BAR COUPLER
MIN. CURVE 71m
GEN. ARRGT. DRG No. — DE 12291 & F-A0-6430
BRAKE — AIR DISC & HAND SCREW
SUSPENSION — SECONDARY COIL

issue 2



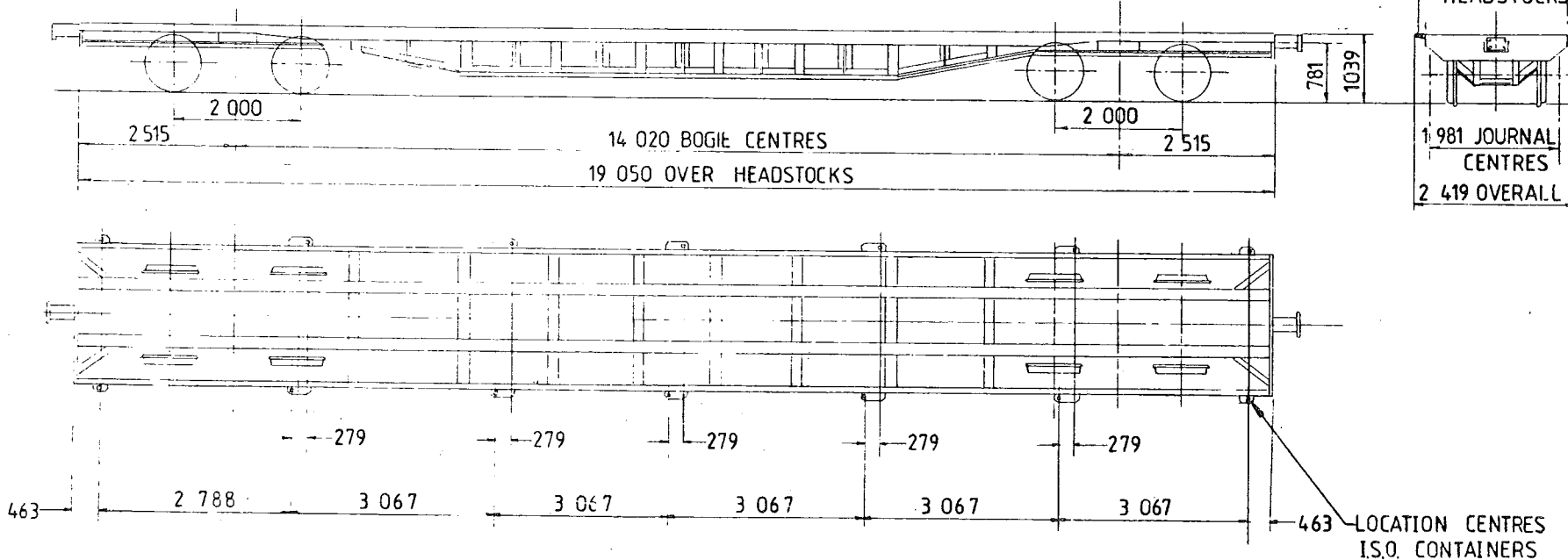
# FREIGHTLINER INNER VEHICLE

FF001B

LOT NUMBER	
3621	3626
3638	3653
PART	3652

EXCESS LENGTH	H	M	L	E
10	82	59	36	20
tonnes				
VB				
AB	47	35	17	6
RA	6	3	1	1
MAX SPEED	75	75	75	75

TOPS CODE								
CARKND			AARKND			OPERATING PANEL No		
F	F	A	F	F	A	F	7	0
							3	7



TARE 19 700 kg
CARRYING CAPACITY - 62 000 kg
CAPACITY -
MAX. SPEED 75 mile/h
WHEELS 812 DIA
JOURNALS 124 DIA ROLLER BEARINGS

BUFFERS
COUPLINGS - BAR COUPLER
MIN CURVE - 71m
GEN ARRGT. DRG No - F-S-2403 F-S-581
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - SECONDARY COIL

issue 2

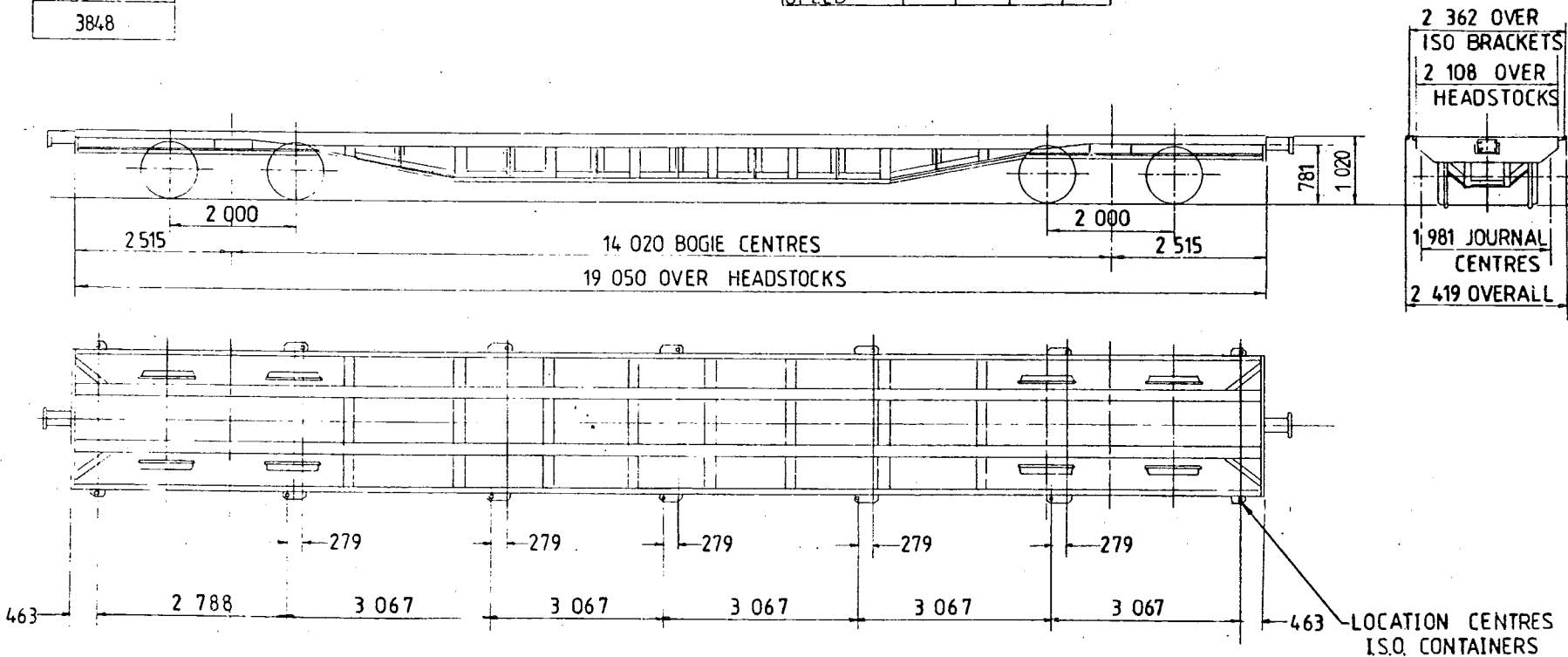
# FREIGHTLINER INNER VEHICLE

FF001D

LCT NUMBER
3742
3766
3768
3806
3848

EXCESS LENGTH	10	H	M	L	E
tonnes		82	59	36	20
VB					
AB		54	40	21	8
RA		6	3	1	1
MAX. SPEED		75	75	75	75

TOPS CODE										
CARKND	AARKND					OPERATING PANEL No.				
F	F	A	F	F	A	F	7	1	4	5



TARE 19 700 kg
CARRYING CAPACITY - 62 000 kg.
CAPACITY -
MAX SPEED 75 mile/h
WHEELS 812 DIA
JOURNALS 124 DIA ROLLER BEARINGS

BUFFERS -
COUPLINGS - BAR COUPLER
MIN CURVE - 71m
GEN. ARRGT. DRG. No. - F-S-2403, F-S-581.
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - SECONDARY COIL

issue 2

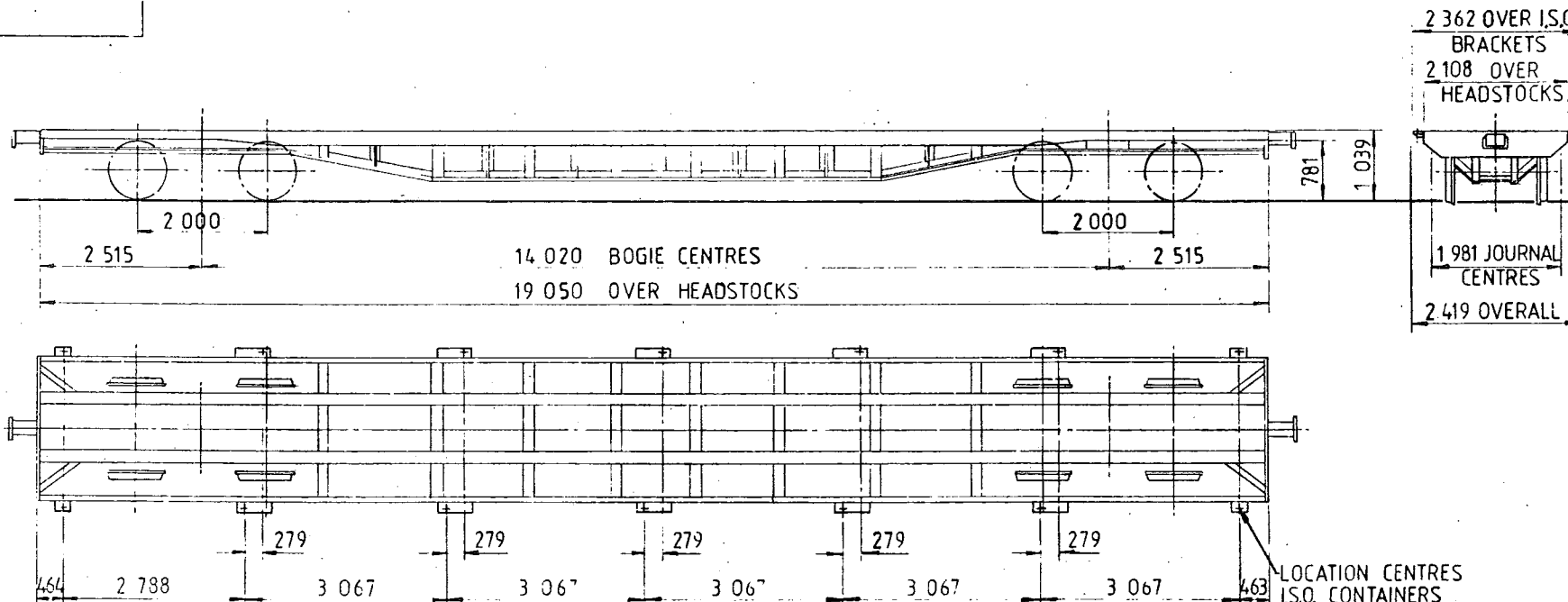
# FREIGHTLINER INNER VEHICLE

FF001E

LOT NUMBER
PART 3652
PART 3676

EXCESS LENGTH 10	H	M	L	E
tonnes	82	59	36	20
VB				
AB	54	40	21	8
RA	6	3	1	1
MAX. SPEED	75	75	75	75

TOPS CODE										
CARKND		AARKND			OPERATING PANEL No.					
F	F	A	F	F	A	F	7	1	4	5



TARE	19700 kg
CARRYING CAPACITY	62000 kg
CAPACITY	
MAX. SPEED	75 mile/h
WHEELS	812 DIA
JOURNALS	124 DIA ROLLER BEARING

BUFFERS	
COUPLINGS	BAR COUPLER
MIN. CURVE	71m
GEN. ARRGT. DRG. No.	F-S-2403 & F-S-581
BRAKE	AIR DISC & HAND SCREW
SUSPENSION	SECONDARY COIL

issue 2

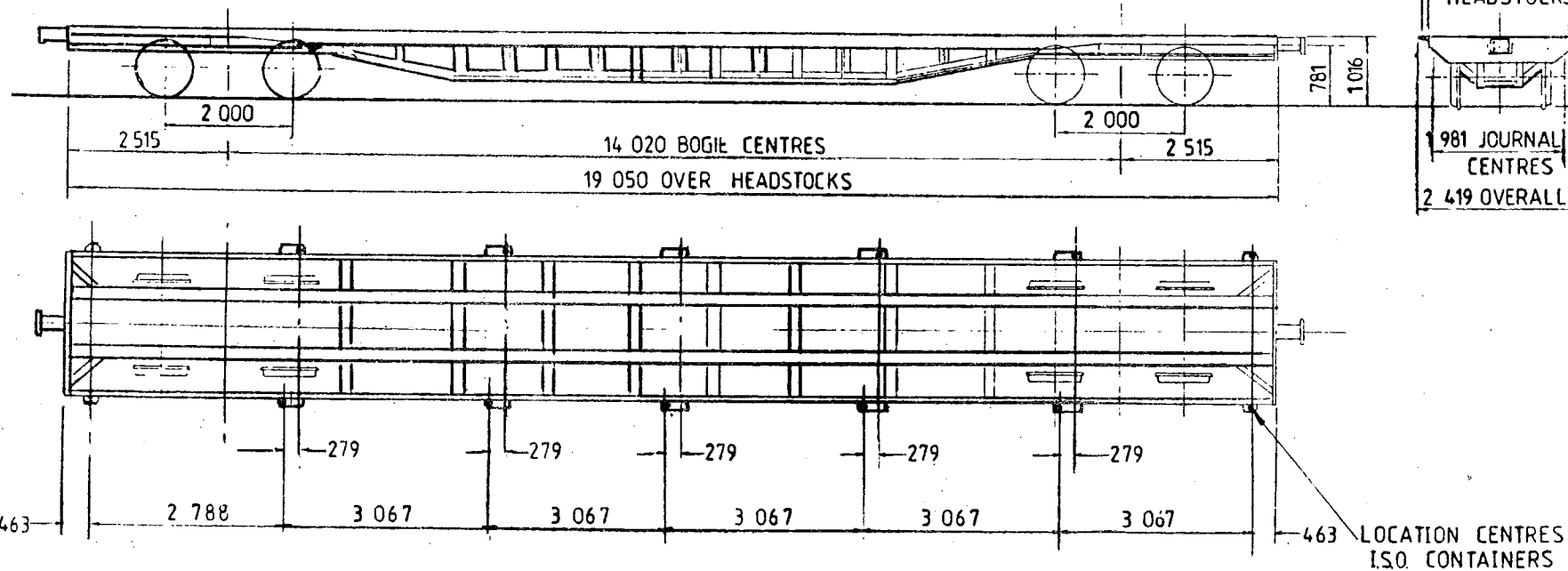
# FREIGHTLINER INNER VEHICLE

FF001F

LOT NUMBER
PART 3676
PART 3652

EXCESS LENGTH	10	H	M	L	E
tonnes	82	59	36	20	
VB					
AB	54	40	21	8	
RA	6	3	1	1	
MAX. SPEED	75	75	75	75	

TOPS CODE										
CARKND	AARKND				OPERATING PANEL No					
F	F	A	F	F	A	F	7	1	4	5



TARE 19 700 kg
CARRYING CAPACITY - 62 000 kg
CAPACITY -
MAX. SPEED 75 mile/h
WHEELS 812 DIA
JOURNALS 124 DIA ROLLER BEARINGS

BUFFERS -
COUPLINGS - BAR COUPLER
MIN. CURVE - 71m
GEN. ARRGT. DRG No. - F-S-2403 & F-S-581
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - SECONDARY COIL (RIDE CONTROL BOGIES)

Issue 2

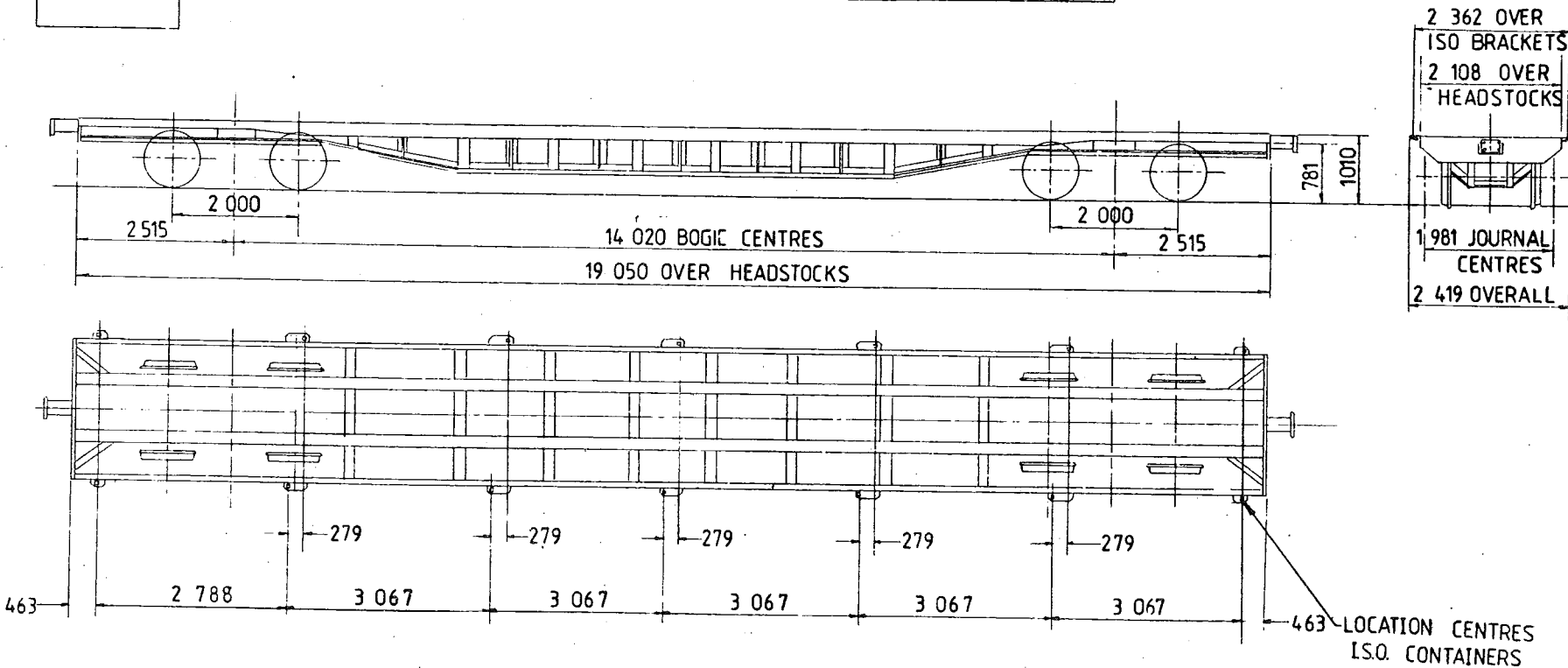
# FREIGHTLINER INNER VEHICLE

FF001H

LOT NUMBER
3560
3618

EXCESS LENGTH	10	H	M	L	E
tonnes	82	59	36	20	
VB					
AB	47	35	17	6	
RA	6	3	1	1	
MAX SPEED	75	75	75	75	

TOPS CODE										
CARKND	AARKND					OPERATING PANEL No				
F	F	A	F	F	A	F	7	0	3	7



TARE 19700 kg
CARRYING CAPACITY - 62900 kg
CAPACITY -
MAX. SPEED 75 mile /h
WHEELS 812 DIA
JOURNALS 124 DIA ROLLER BEARINGS

BUFFERS -
COUPLINGS - BAR COUPLER
MIN. CURVE - 71m
GEN. ARRGT. DRG. No. - F-S-2403/F-S-581
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - SECONDARY COIL

issue 2

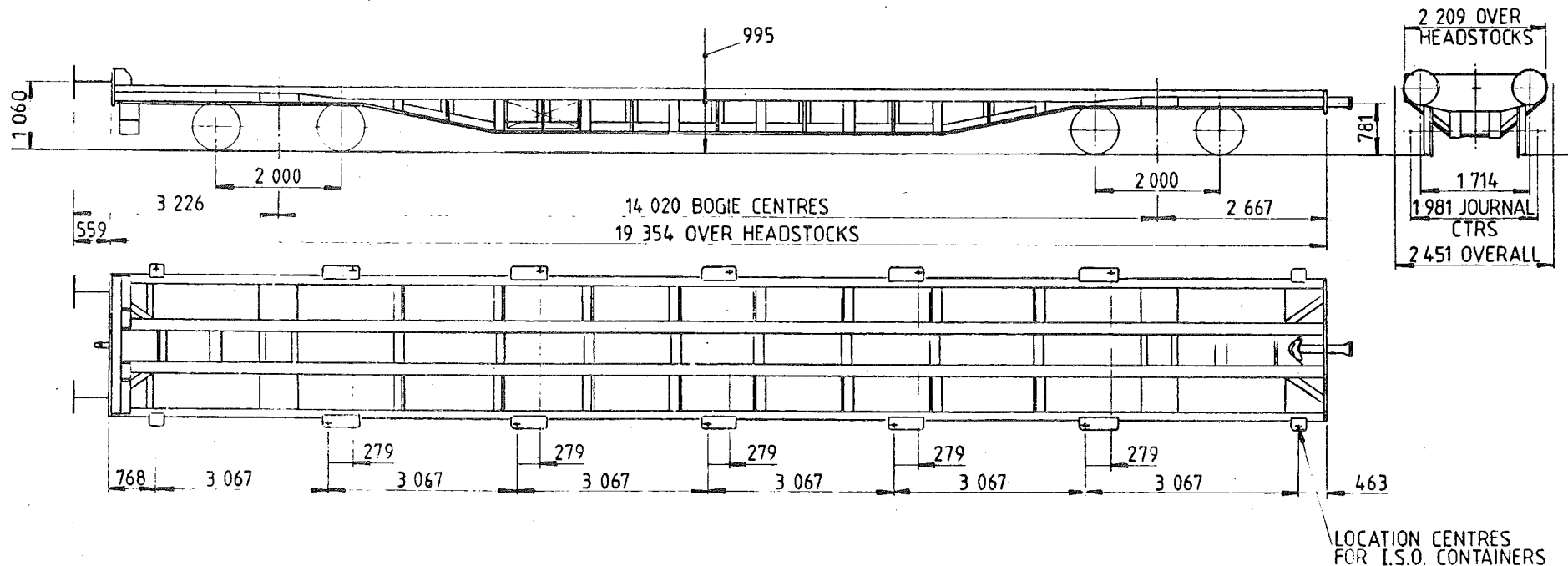
# FREIGHTLINER OUTER VEHICLE

FG004A

LOT NUMBER
3498

EXCESS LENGTH	11	H	M	L	E
tonnes	70	51	33	19	
VB					
AB	54	40	21	8	
RA	5	2	1	1	
MAX. SPEED	75	75	75	75	

TOPS CODE								
CARKND			AARKND			OPERATING PANEL No.		
F	G	A	F	G	A	F	7	0
							4	1



TARE	19 300 kg
CARRYING CAPACITY	52 000 kg
CAPACITY	
MAX. SPEED	75 mile / h
WHEELS	812 DIA
JOURNALS	124 DIA ROLLER BEARING

BUFFERS	HYDRAULIC .559 DIA HEADS
COUPLINGS	OUTER END - B.R. SCREW INNER END - BAR COUPLER
MIN. CURVE	71m
GEN. ARRGT. DRG. No.	- DE 12357
BRAKE	AIR DISC, HAND SCREW
SUSPENSION	SECONDARY COIL

issue 3

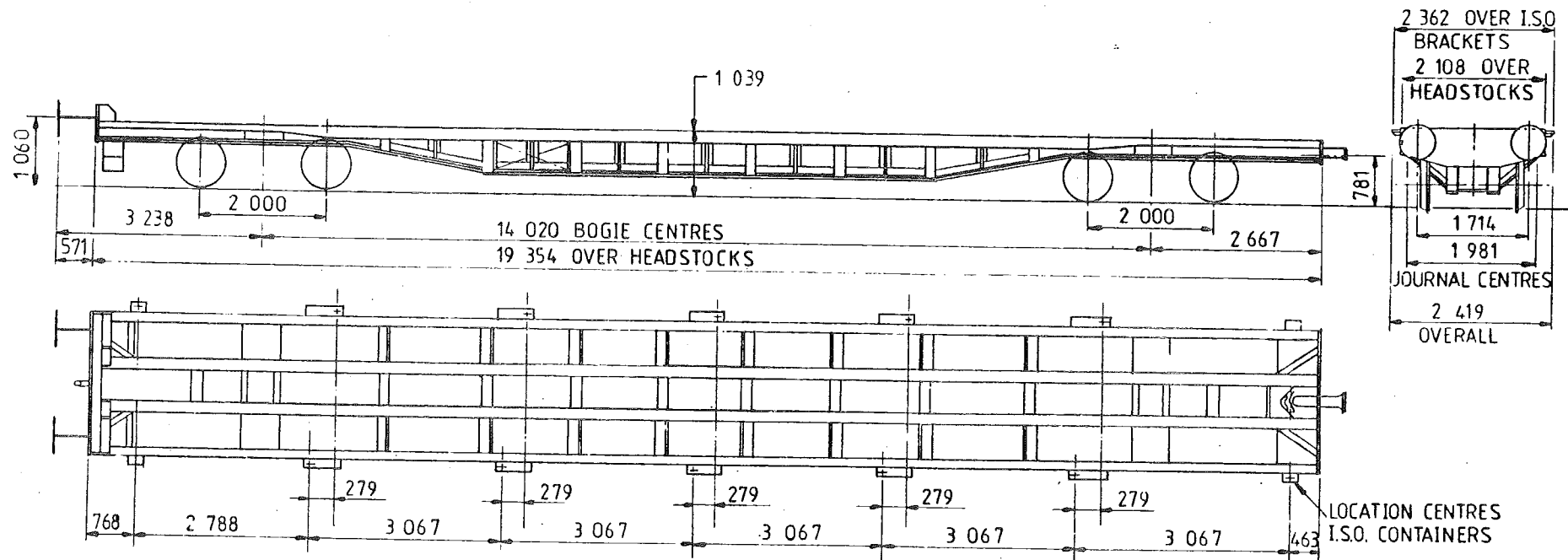
# FREIGHTLINER OUTER VEHICLE

FG004B

LOT NUMBER
PART 3654
3655

EXCESS LENGTH	12	H	M	L	E
tonnes	82	59	36	20	
VB					
AB	54	40	21	8	
RA	6	3	1	1	
MAX SPEED	75	75	75	75	

TOPS CODE										
CARKND			AARKND			OPERATING PANEL No.				
F	G	A	F	G	A	F	7	1	1	3



TARE 20 200 kg
CARRYING CAPACITY- 62 000 kg
CAPACITY-
MAX. SPEED 75 mile/h
WHEELS 812 DIA.
JOURNALS 124 DIA. ROLLER BEARING

BUFFERS HYDRAULIC 559 DIA. HEADS.
COUPLINGS OUTER END - B.R. SCREW INNER END - BAR COUPLER
MIN CURVE 71 m
GEN ARRGT. DRG No F-S-2323, F-S-581
BRAKE AIR DISC & HAND SCREW
SUSPENSION SECONDARY COIL

issue 3

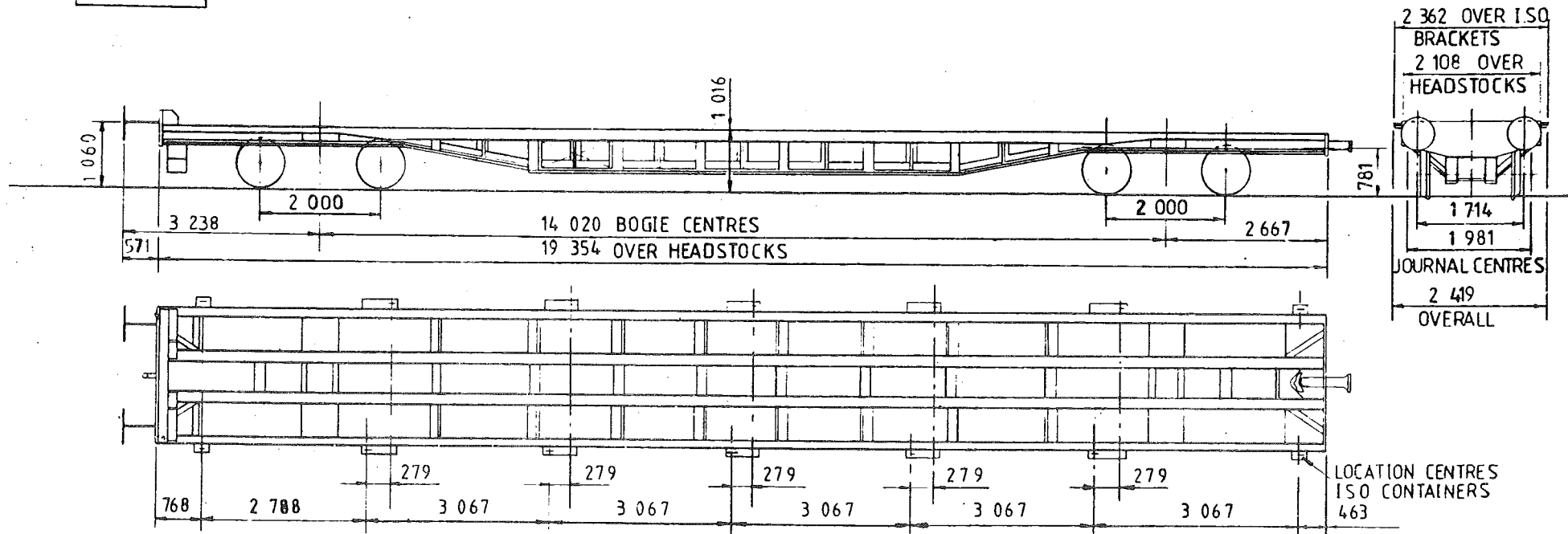
# FREIGHTLINER OUTER VEHICLE

FG004C

LOT NUMBER
3596

EXCESS LENGTH	12	H	M	L	E
tonnes	82	59	36	20	
VB	0	0	0	0	
AB	44	35	17	6	
RA	6	3	1	1	
MAX SPEED	75	75	75	75	

TOPS CODE										
CARKND			AARKND			OPERATING DATE				
F	G	B	F	G	B	F	7	0	4	2



TARE - 20 200kg
CARRYING CAPACITY- 62 000kg
CAPACITY- —
MAX. SPEED 75 mile/h
WHEELS - 812 DIA.
JOURNALS -124 DIA, ROLLER BEARING

BUFFERS	HYDRAULIC 559 DIA. HEADS
COUPLINGS	OUTER END BR SCREW COUPLING INNER END BAR COUPLER
MIN CURVE	71m
GEN ARRGT DRG No	F-S-2323, F-S-581.
BRAKE	AIR DISC, HAND SCREW, VAC PIPE.
SUSPENSION	SECONDARY COIL

issue 3



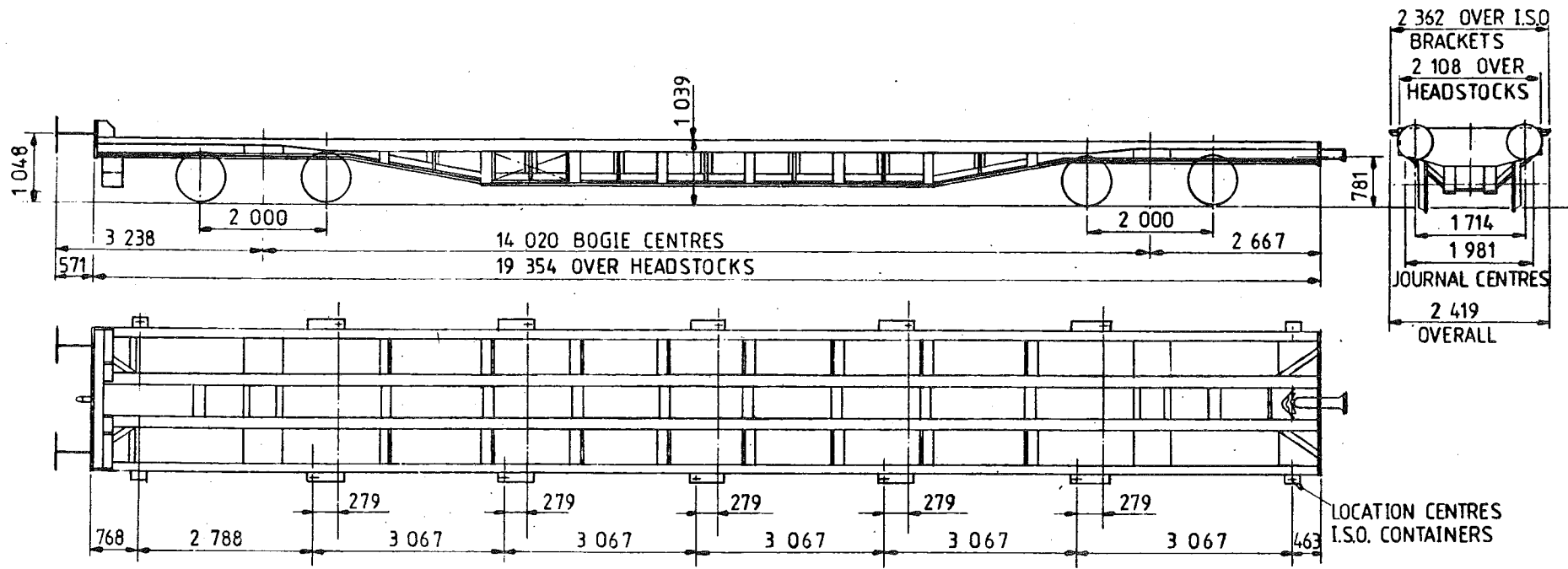
# FREIGHTLINER OUTER VEHICLE

FG004D

LOT NUMBER
PART 3675
PART 3690

EXCESS LENGTH 10	H	M	L	E
tonnes	82	59	36	20
VB				
AB	54	40	21	8
RA	6	3	1	1
MAX. SPEED	75	75	75	75

TOPS CODE										
CARKND			AARKND			OPERATING PANEL No.				
F	G	A	F	G	A	F	7	1	1	3



TARE 20 200 kg
CARRYING CAPACITY- 52 000 kg
CAPACITY-
MAX. SPEED 75 mile/h
WHEELS 812 DIA.
JOURNALS 124 DIA. ROLLER BEARING

BUFFERS HYDRAULIC 559 DIA HEADS
COUPLINGS - OUTER END - BR SCREW COUPLING INNER END - BAR COUPLER
MIN CURVE 71 m
GEN ARRGT. DRG. No. F-S-2323
BRAKE AIR DISC & HAND SCREW
SUSPENSION - PRIMARY COIL

issue 2

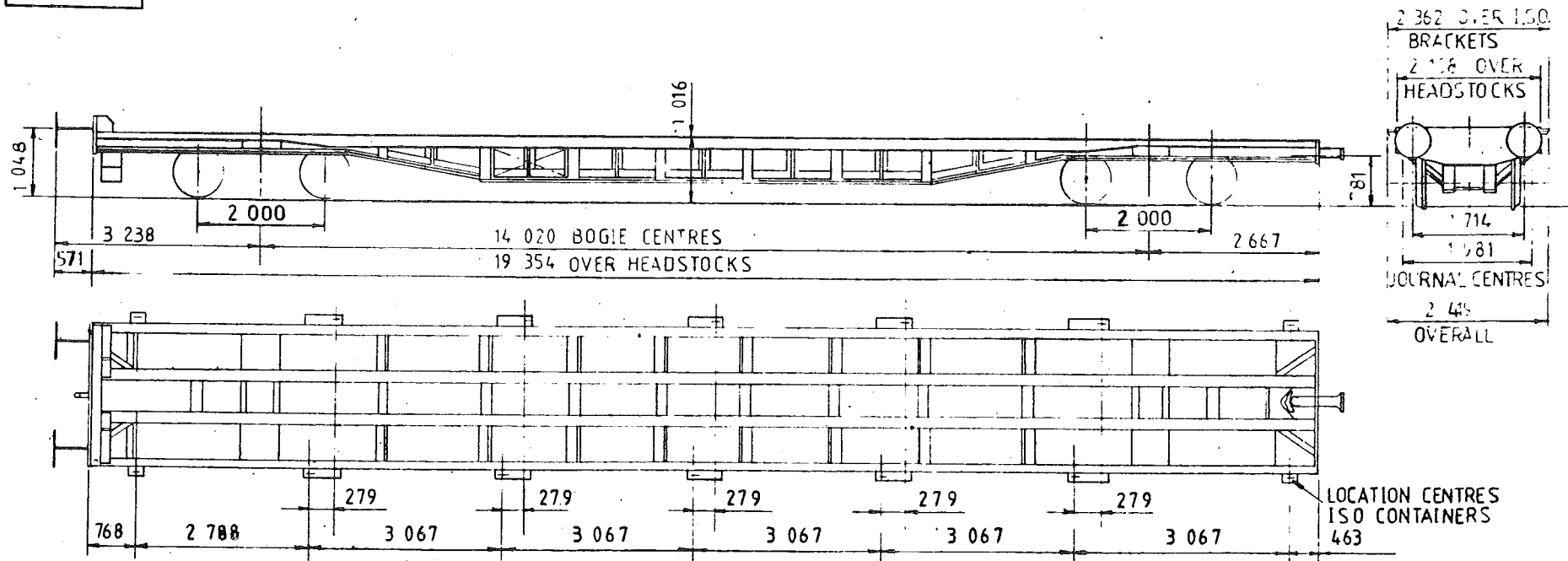
# FREIGHTLINER OUTER VEHICLE

FG004E

LOT NUMBER
PART 3718
3765
3741
3767
3807
3047

EXCESS LENGTH	10	H	M	L	E
tonnes	82	59	36	20	
VB					
AB	54	40	21	8	
RA	6	3	1	1	
MAX SPEED	75	75	75	75	

TOPS CODE										
CARKND			AARKND			OPERATING PANEL No.				
F	G	A	F	G	A	F	7	1	1	3



TARE - 20 200Kg
CARRYING CAPACITY - 52 000Kg
CAPACITY -
MAX. SPEED - 75 mile/h
WHEELS - 812 DIA.
JOURNALS - 124 DIA, ROLLER BEARING

BUFFERS	HYDRAULIC 559 DIA. HEADS
COUPLINGS	OUTER END BR SCREW COUPLING INNER END BAR COUPLER
MIN CURVE	71m
GEN ARRGT DRG No	DE-12472 F-S-6664
BRAKE	AIR DISC & HAND SCREW
SUSPENSION	PRIMARY COIL

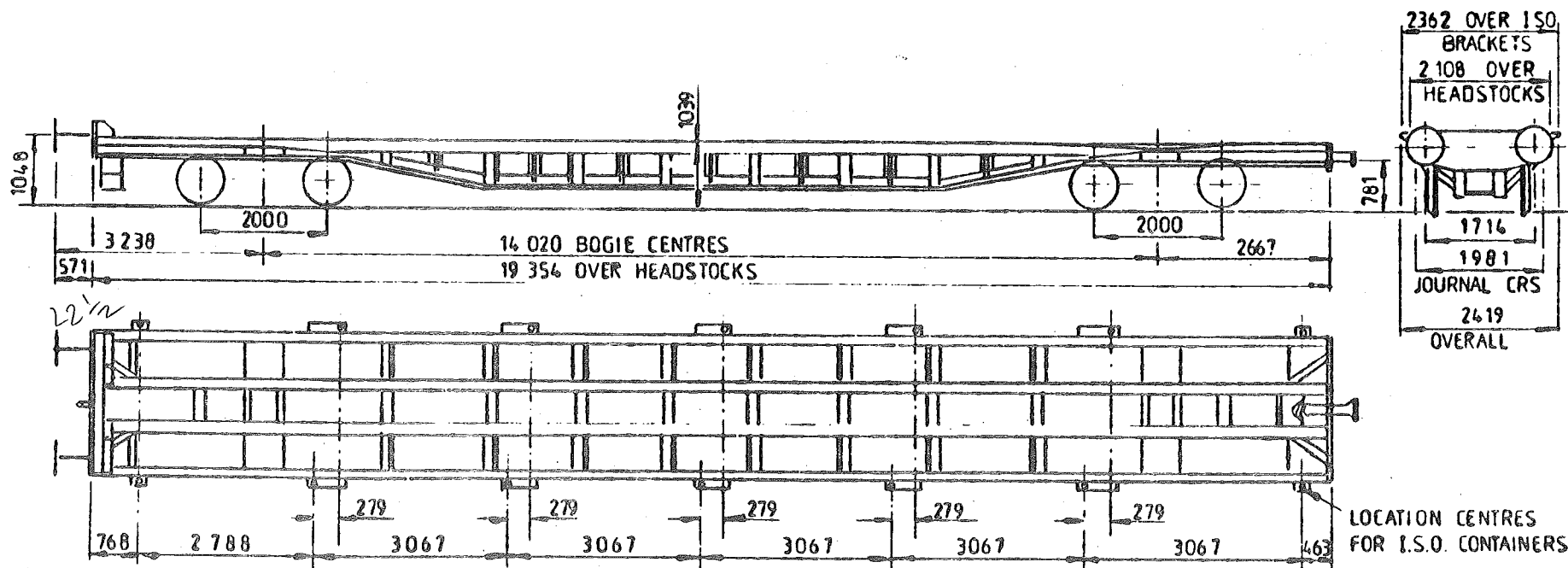
issue 2

# FREIGHTLINER OUTER VEHICLE

FG004 H

LOT NUMBER	
3622	3690
3654	3692
3675	3711

TOPS INFORMATION						
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA	EXCESS LENGTH	RA (GLW)
CARKND	PANEL NO.	75 mile/h UP TO		-6.866 * (10.742 * t)	11	5
F G A	F 7 0 1 9	55 mile/h ABOVE				



TARE -	20 200 kg
CAPACITY, WEIGHT -	62 000 kg
CAPACITY, VOLUME -	-
MIN. CURVE -	71 m
GEN. ARRGT. DRG. NO. -	F-S-2323

BRAKE -	AIR DISC	HAND SCREW
SUSPENSION -	PRIMARY COIL (F/L 1 BOGIES)	
COUPLINGS -	OUTER-BR SCREW, INNER - BAR	
BUFFERS -	HYDRAULIC 559 DIA HEADS	
WHEELS -	812 DIA	
JOURNALS -	124 DIA ROLLER BEARINGS	

ISSUE 1

EX. BR. DIAGRAM 1/123

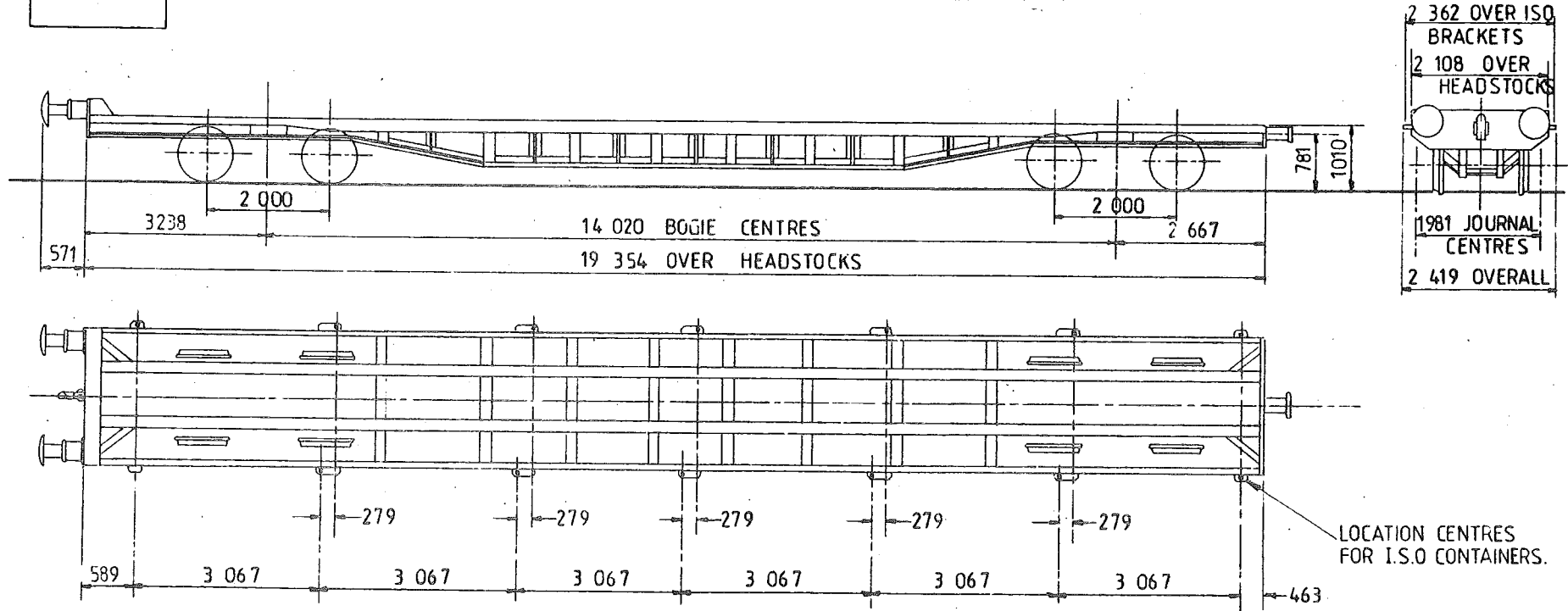
# FREIGHTLINER OUTER VEHICLE

FG004G

LOT NUMBER
PART 3619
3559

EXCESS LENGTH	12	H	M	L	E
tonnes	82	59	36	20	
VB					
AB	47	35	17	6	
RA	6	3	1	1	
MAX. SPEED	75	75	75	75	

TOPS CODE										
CARKND			AARKND			OPERATING PANEL No.				
F	G	A	F	G	A	F	7	0	4	3



TARE - 20 <sup>000</sup> kg
CARRYING CAPACITY - 62 <sup>000</sup> kg
CAPACITY -
MAX. SPEED 75 mile /h
WHEELS - 812 DIA
JOURNALS - 124 DIA ROLLER BEARINGS

BUFFERS - HYDRAULIC 559 DIA HEADS
COUPLINGS - INNER END - BAR COUPLER OUTER END - B.R. SCREW
MIN. CURVE - 71 m
GEN ARRGT. DRG. No. F-S-2323
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - SECONDARY COIL

issue 3

EX BR DIAGRAM. 1/ 84

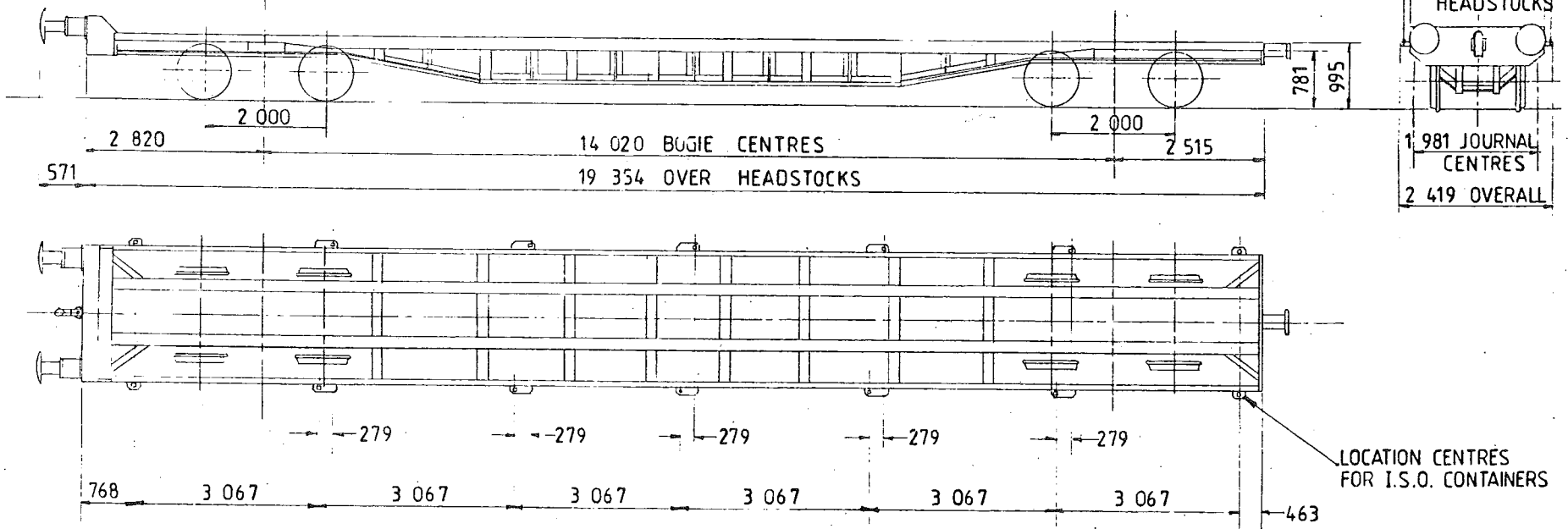
# FREIGHTLINER OUTER VEHICLE

FG004K

LOT NUMBER
3964

EXCESS LENGTH	10	H	M	L	E
tonnes	70	51	33	19	
VB					
AB	56	44	25	12	
RA	5	2	1	1	
MAX SPEED	75	75	75	75	

TOPS CODE								
CARKND			AARKND			OPERATING PANEL No		
F	G	A	F	G	A	F	7	0
							3	6



TARE - 19 <sup>700</sup> kg
CARRYING CAPACITY - 52 <sup>000</sup> kg
CAPACITY -
MAX. SPEED - 75 mile / h
WHEELS - 812 DIA
JOURNALS - 124 DIA ROLLER BEARINGS

BUFFERS - HYDRAULIC 559 DIA HEADS
COUPLINGS - B R SCREW (OUTER) BAR COUPLER (INNER)
MIN. CURVE - 71 m
GEN. ARRGT. DRG. No. - DE 12291 F-A0-16203
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - SECONDARY COIL

issue 1

EX B.R. DIAGRAM 83

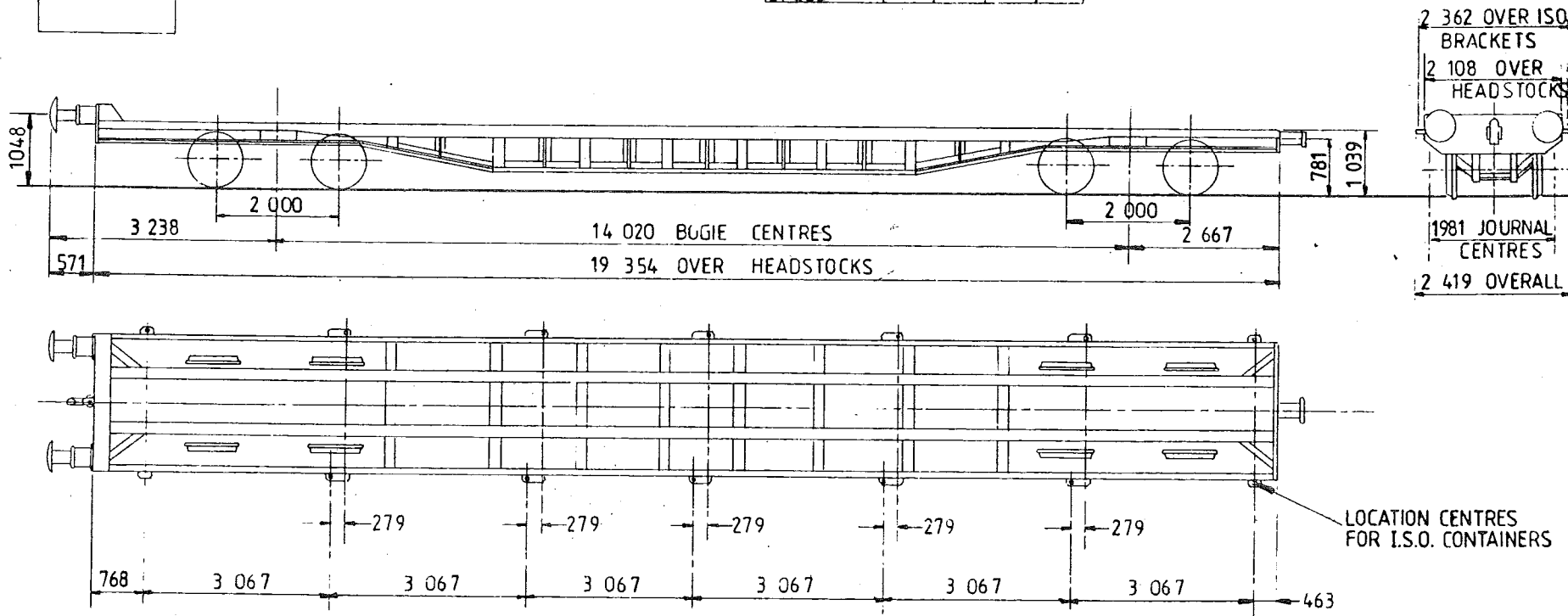
# FREIGHTLINER OUTER VEHICLE

FG004L

LOT NUMBER
PART 3654

EXCESS LENGTH	12	H	M	L	E
tonnes	82	59	36	20	
VB					
AB	54	40	21	8	
RA	6	3	1	1	
MAX SPEED	75	75	75	75	

TOPS CODE								
CARKND	AARKND			REPAIRING PAGE 5				
F	G	A	F	G	A	F	7	1
							4	8



TARE	20 <sup>200</sup> kg
CARRYING CAPACITY	62 000 kg
CAPACITY	-
MAX. SPEED	75 mile /h
WHEELS	812 DIA
JOURNALS	124 DIA ROLLER BEARINGS

BUFFERS	HYDRAULIC 559 DIA HEADS
COUPLINGS	INNER END - BAR COUPLER OUTER END - B.R. SCREW
MIN CURVE	71 m
GEN ARRGT DRG No	F-S-2323, F-S-581
BRAKE	AIR DISC & HAND SCREW
SUSPENSION	SECONDARY COIL

issue 1

EX BR DIAGRAM. 1 / 84

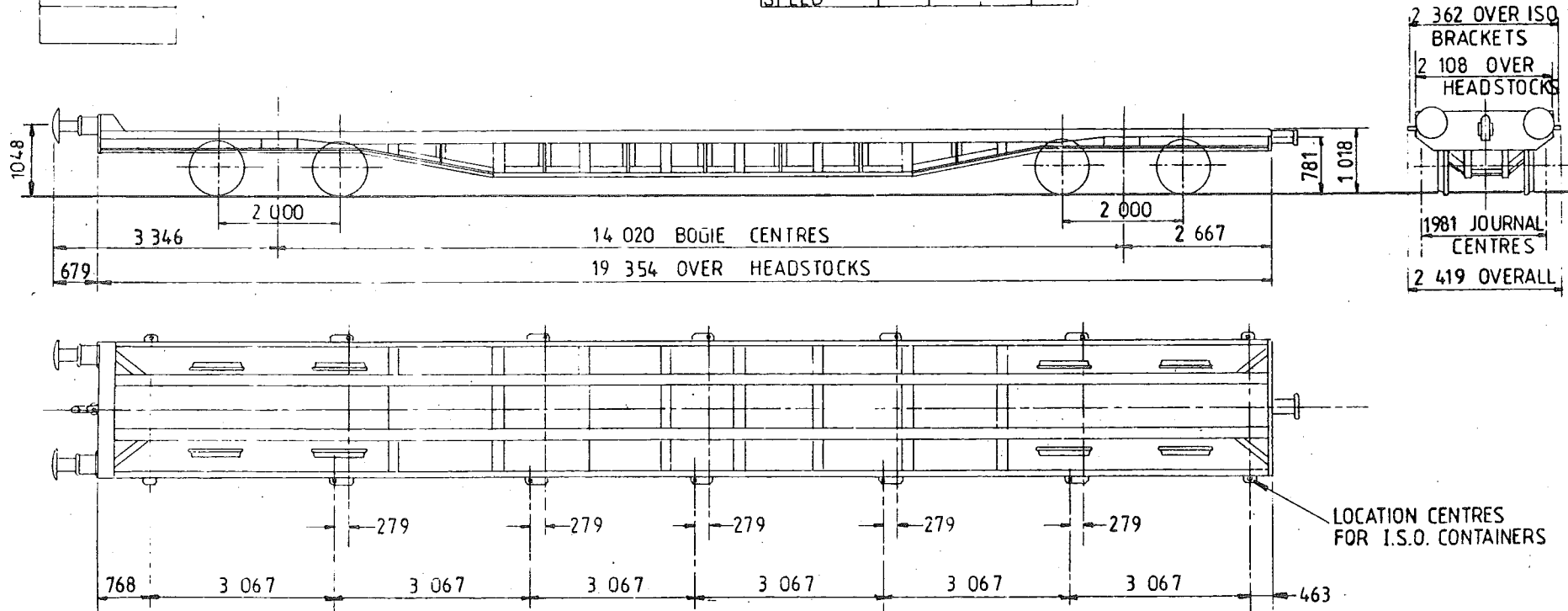
# FREIGHTLINER OUTER VEHICLE

FG004M

LOT NUMBER
PART 3619

EXCESS LENGTH	12	H	M	L	E
tonnes	82	59	36	20	
VB					
AB	47	35	17	6	
RA	6	3	1	1	
MAX SPEED	75	75	75	75	

TOPS CODE								
CARKND			AARKND			OPERATING		
						PAGE No		
F	G	A	F	G	A	F	7	0
4	3							



TARE	20 <sup>000</sup> kg
CARRYING CAPACITY	62 <sup>000</sup> kg
CAPACITY	—
MAX SPEED	75 mile /h
WHEELS	812 DIA
JOURNALS	124 DIA ROLLER BEARINGS

BUFFERS	HYDRAULIC 559 DIA HEADS
COUPLINGS	INNER END - BAR COUPLER OUTER END - INTERNATIONAL SCREW
MIN CURVE	71 m
GEN ARRGT. DRG No	F-S-2323, F-S-581
BRAKE	AIR DISC & HAND SCREW
SUSPENSION	SECONDARY COIL

Issue 1

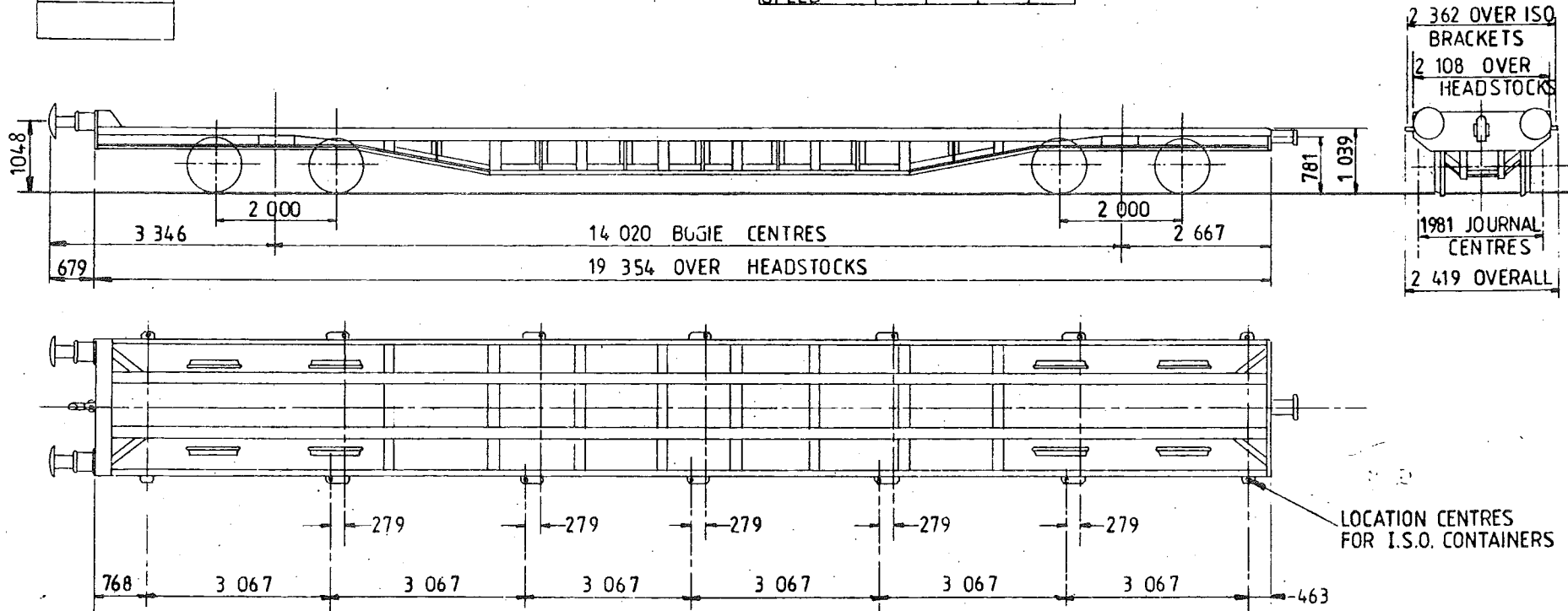
# FREIGHTLINER OUTER VEHICLE

# FG004N

LOT NUMBER
PART 3654

EXCESS LENGTH	12	H	M	L	E
tonnes	82	59	36	20	
VB					
AB	47	35	17	6	
RA	6	3	1	1	
MAX. SPEED	75	75	75	75	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
F	G	A	F	G	A
F	7	0	4	3	



TARE - 20 <sup>000</sup> kg
CARRYING CAPACITY - 62 <sup>000</sup> kg
CAPACITY -
MAX. SPEED 75 mile /h
WHEELS - 812 DIA
JOURNALS 124 DIA ROLLER BEARINGS

BUFFERS - HYDRAULIC 559 DIA HEADS
COUPLINGS - INNER END - BAR COUPLER OUTER END - INTERNATIONAL SCREW
MIN. CURVE - 71 m
GEN. ARRGT. DRG. No. - F-S-2323, F-S-581
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - SECONDARY COIL

issue 1



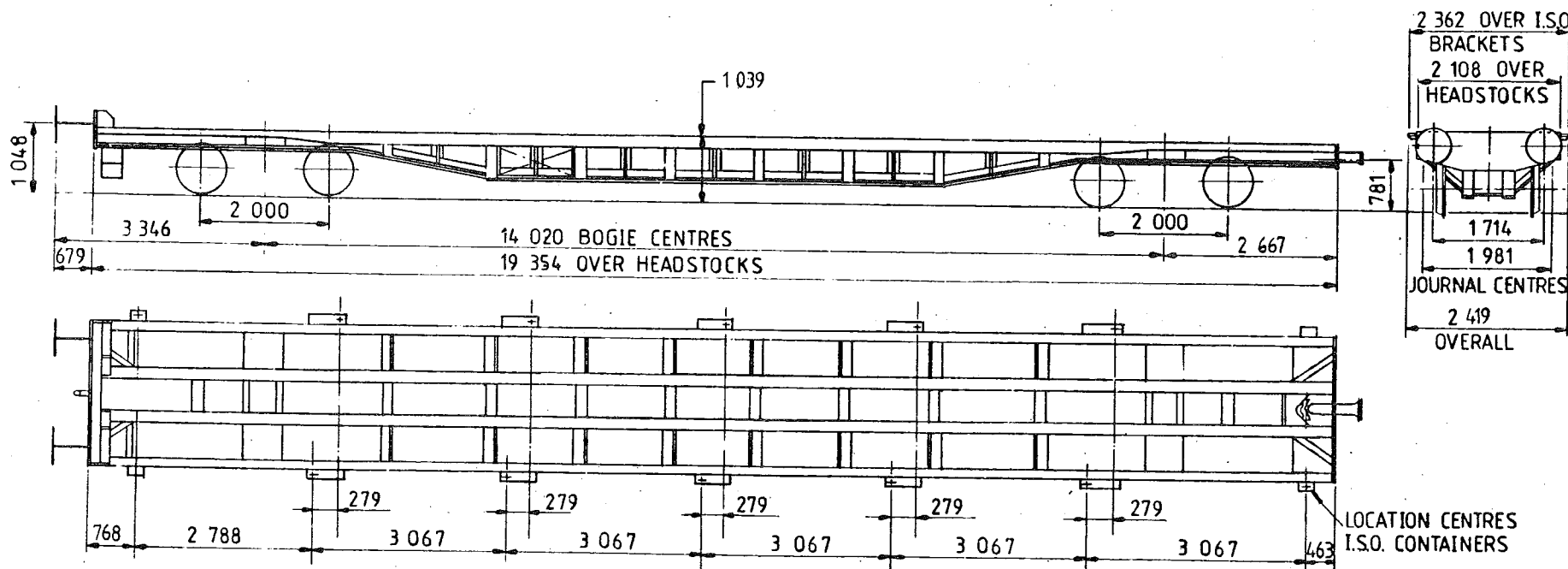
# FREIGHTLINER OUTER VEHICLE

FG004P

LOT NUMBER
PART 3654

EXCESS LENGTH 10	H	M	L	E
tonnes	82	59	36	20
VB				
AB	54	40	21	8
RA	6	3	1	1
MAX. SPEED	75	75	75	75

TOPS CODE										
CARKND			AARKND			OPERATING PANEL No.				
F	G	A	F	G	A	F	7	1	1	3



TARE 20 200 kg
CARRYING CAPACITY— 62 000 kg
CAPACITY—
MAX. SPEED 75 mile/h
WHEELS 812 DIA.
JOURNALS 124 DIA. ROLLER BEARING

BUFFERS - HYDRAULIC 559 DIA. HEADS.
COUPLINGS - OUTER END - INTERNATIONAL SCREW INNER END - BAR COUPLER
MIN. CURVE - 71 m
GEN. ARRGT. DRG. No. - F-S-2323, F-S-581
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - SECONDARY COIL

issue 1

EX BR DIAGRAM 1/84

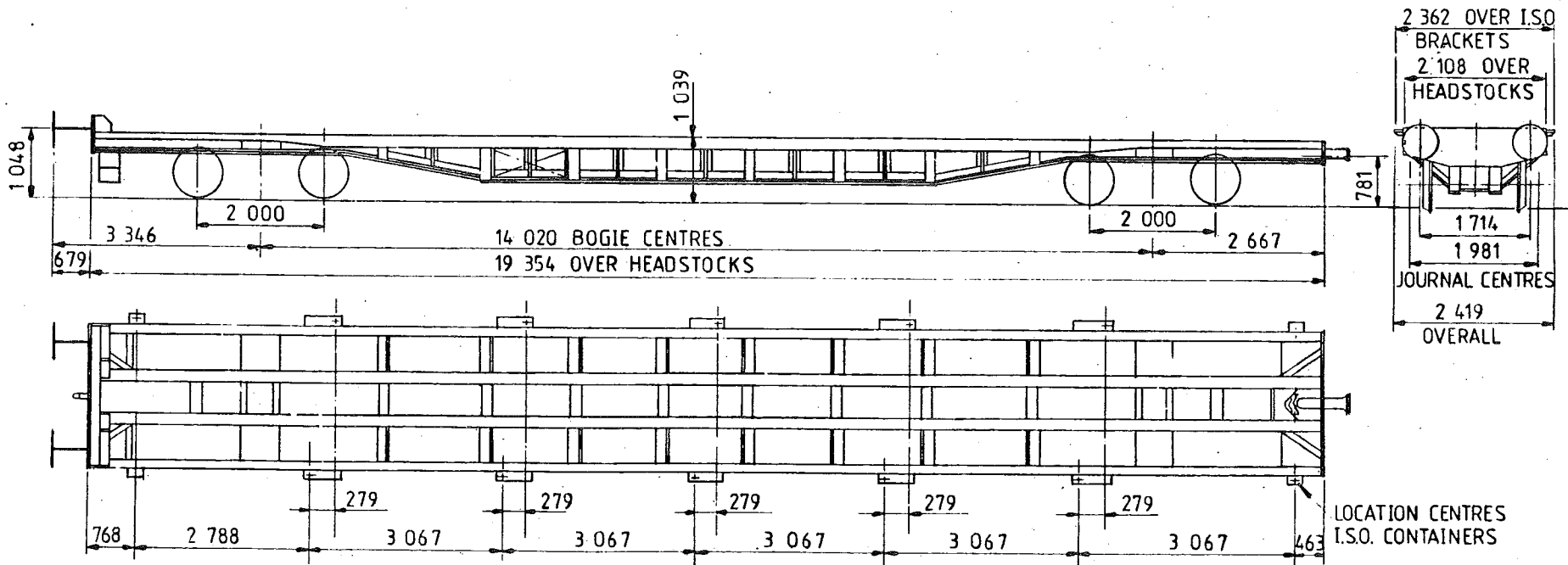
# FREIGHTLINER OUTER VEHICLE

FG004Q

LOT NUMBER
PART 3654
PART 3675

EXCESS LENGTH 10	H	M	L	E
tonnes	82	59	36	20
VB				
AB	54	40	21	8
RA	6	3	1	1
MAX. SPEED	75	75	75	75

TOPS CODE										
CARKND			AARKND			OPERATING PANEL No.				
F	G	A	F	G	A	F	7	1	1	3



TARE 20 200 kg
CARRYING CAPACITY- 62 000 kg
CAPACITY-
MAX. SPEED 75 mile/h
WHEELS 812 DIA.
JOURNALS 124 DIA. ROLLER BEARING

BUFFERS HYDRAULIC. 559 DIA HEADS
COUPLINGS OUTER END-INTERNATIONAL SCREW INNER END-BAR COUPLER
MIN CURVE 71 m
GEN ARRG. DRG. No. F-S-2323
BRAKE AIR DISC & HAND SCREW
SUSPENSION-PRIMARY COIL

issue 1

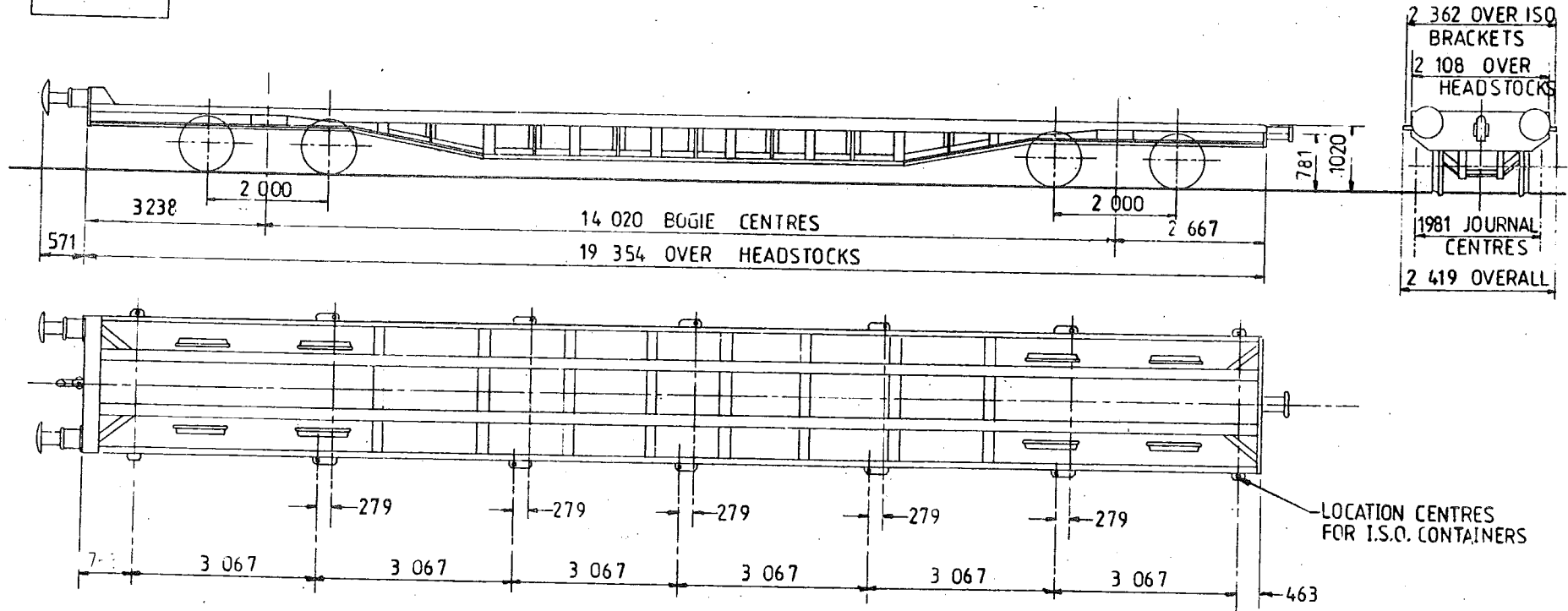
# FREIGHTLINER OUTER VEHICLE

FG004R

LOT NUMBER
3622
3627
3639
PT 3654

EXCESS LENGTH	12	H	M	L	E
tonnes	82	59	36	20	
VB					
AB	47	35	17	6	
RA	6	3	1	1	
MAX. SPEED	75	75	75	75	

TOPS CODE										
CARKND			AARKND			OPERATING PANEL No				
F	G	A	F	G	A	F	7	0	4	3



TARE - 20 <sup>000</sup> kg
CARRYING CAPACITY - 62 <sup>000</sup> kg
CAPACITY -
MAX. SPEED 75 mile /h
WHEELS - 812 DIA
JOURNALS - 124 DIA ROLLER BEARINGS

BUFFERS - HYDRAULIC 559 DIA HEADS
COUPLINGS - INNER END - BAR COUPLER OUTER END - BR. SCREW
MIN. CURVE - 71 m
GEN. ARRGT. DRG. No. - F-S-581
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - PRIMARY COIL

Issue 1

EX BR DIAGRAM 1/ 84

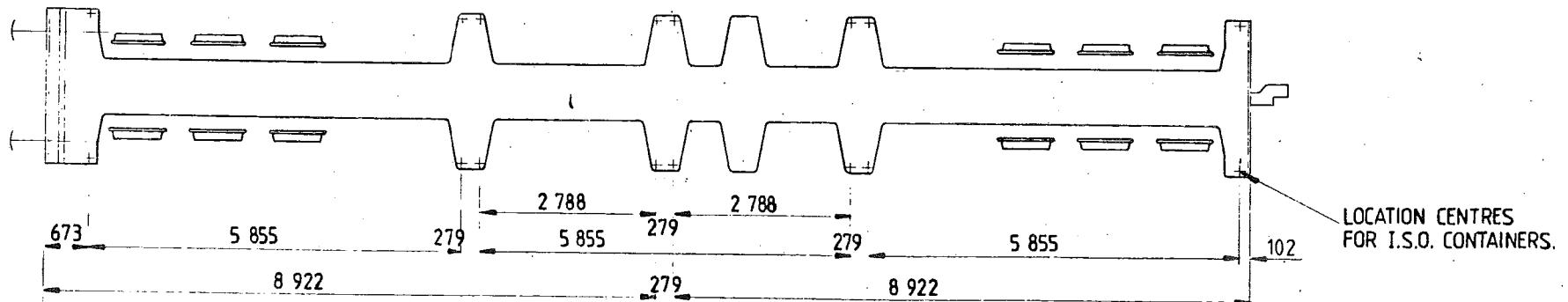
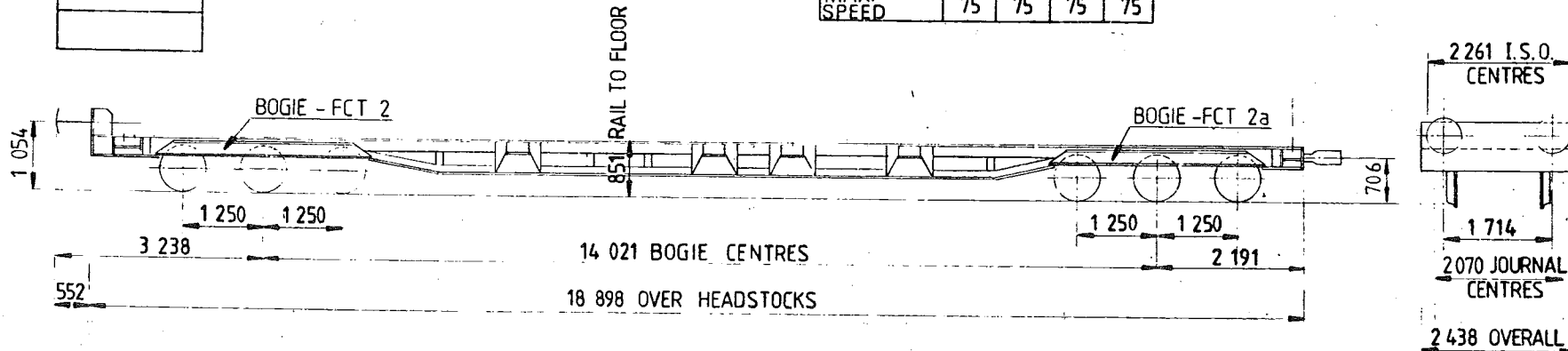
# LOWLINER OUTER VEHICLE

FH002A

LOT NUMBER
3730

EXCESS LENGTH	H	M	L	E
tonnes	85	62	39	23
VB				
AB	55	39	23	10
RA	2	1	1	1
MAX. SPEED	75	75	75	75

TOPS CODE									
CARKND	AARKND				OPERATING PANEL No				
F H A	F	H	A	L	7	0	5	5	



TARE - 23 <sup>200</sup> kg
CARRYING CAPACITY - 64,000kg
CAPACITY -
MAX. SPEED - 75 mile/h
WHEELS - 724 DIA
JOURNALS - 120 DIA ROLLER BEARINGS

BUFFERS - HYDRAULIC, 559 DIA HEADS
COUPLINGS - B.R. SCREW & BAR COUPLER
MIN. CURVE - 82m
GEN. ARRGT. DRG. No. - F-S-4314
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - PRIMARY COIL

Issue 2

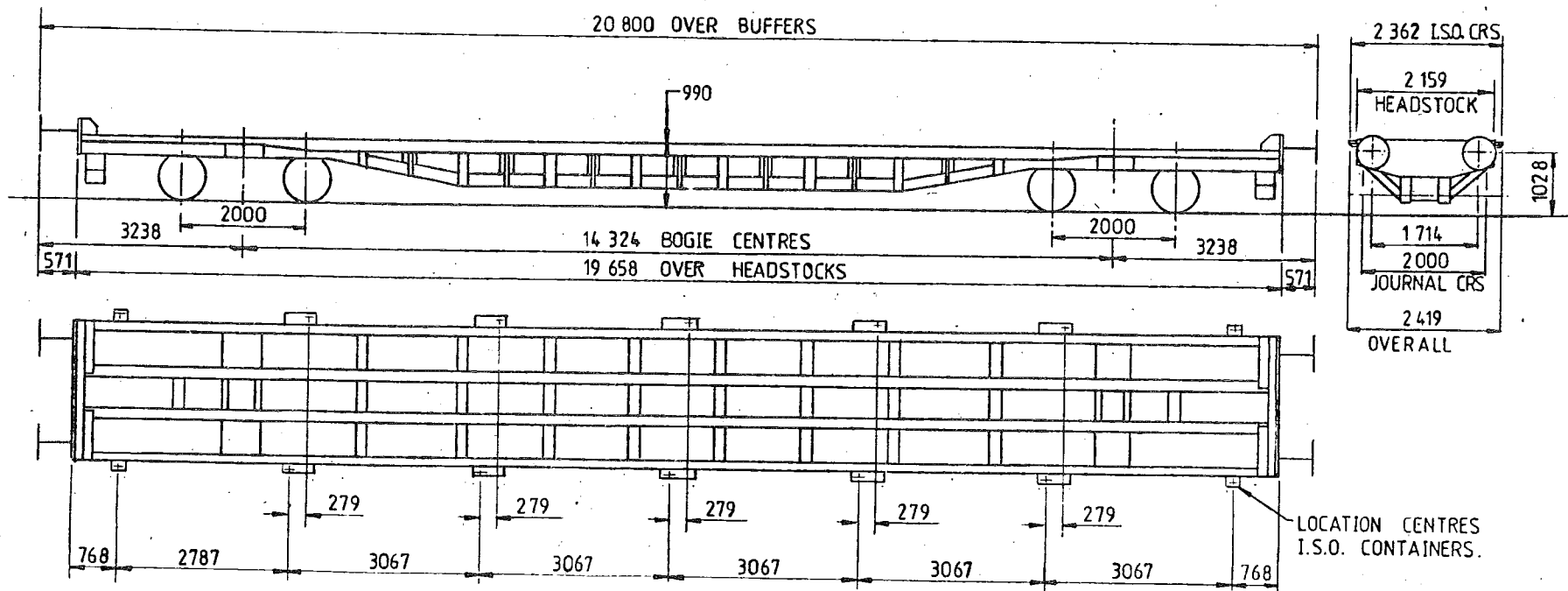
# FREIGHTLINER VEHICLE

FJ001B

LOT NUMBER
PT 3585

EXCESS LENGTH	13	H	M	L	E
tonnes	67	54	35	22	
VB	0	0	0	0	
AB	47	35	17	6	
RA	5	2	1	1	
MAX. SPEED	75	75	75	75	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
F J B	F J B S	3	0	2	8



TARE	21 000 Kg
CARRYING CAPACITY	61 000 Kg
CAPACITY	
MAX. SPEED	75 mile/h
WHEELS	812 DIA
JOURNALS	124 DIA ROLLER BEARINGS

BUFFERS	HYDRAULIC 559 DIA HEADS
COUPLINGS	B.R. SCREW
MIN. CURVE	71m
GEN. ARRGT. DRG. No.	D 12515
BRAKE	AIR DISC, VAC PIPE, HAND SCREW.
SUSPENSION	PRIMARY COIL

FITTED WITH THRO' STEAM PIPE

Issue 2

Ex BR DIAGRAM 1/122

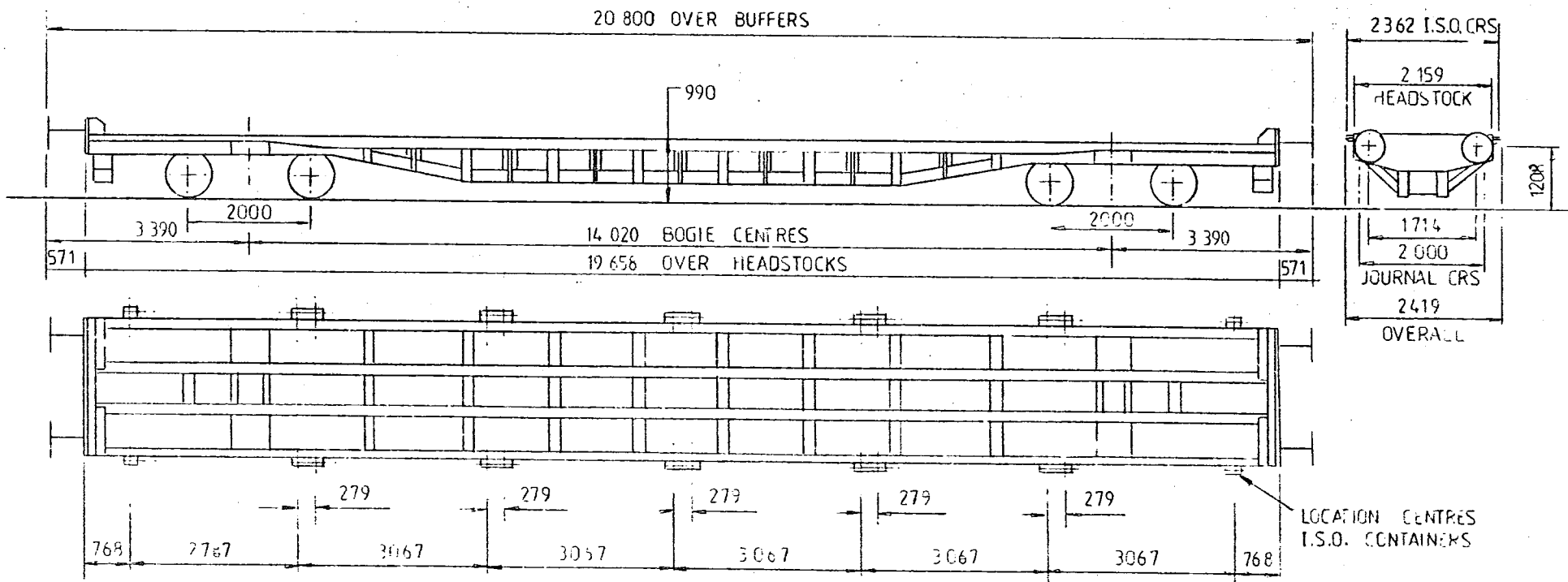
# 82 t GLW. FREIGHTLINER WAGON

FJ001C

W 1312

LOT NUMBER	
3980	
3924	

TOPS INFORMATION						
AARKND		OPERATING		OPERATING SPEED		BRAKE FORCE DATA
CARKND		PANEL NO.		75 mile/h UP TO		EXCESS LENGTH
F	J	B	S	82 tonne GLW		13
				mite/h ABOVE		
				VARIABLE		-14 + (0.9 x t)



TARE -	21 000 Kg
CAPACITY, WEIGHT -	61 000 Kg
CAPACITY, VOLUME -	—
MIN. CURVE -	71 m
GEN. ARRGT. DRG. N <sup>o</sup> -	F-S-7340

BRAKE -	AIR DISC VACUUM PIPE HAND SCREW
SUSPENSION -	PRIMARY COIL
COUPLINGS -	B R. SCREW.
BUFFERS -	HYDRAULIC, 559 DIA HEADS
WHEELS -	812 DIA
JOURNALS -	124 DIA ROLLER BEARINGS

ISSUE 2

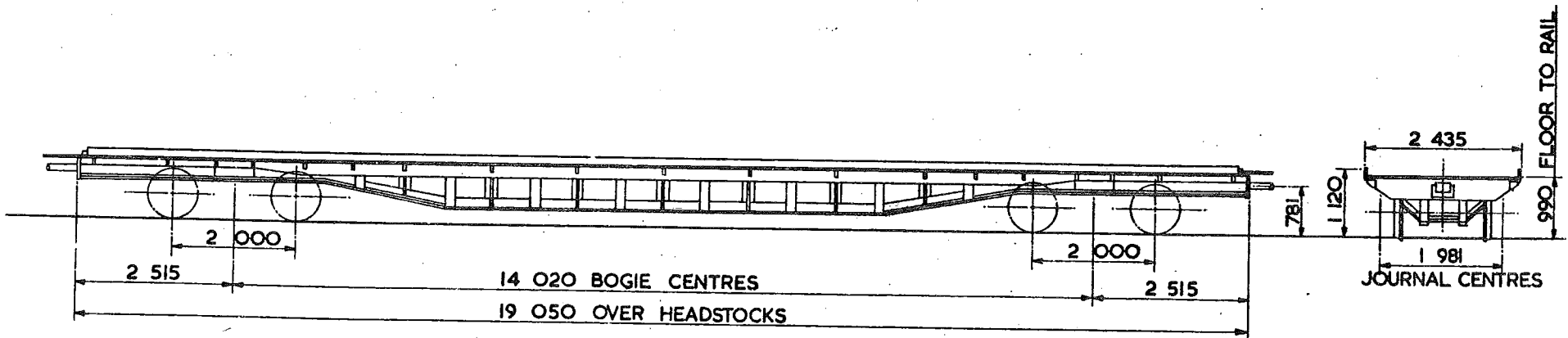
# FREIGHT FLAT INNER VEHICLE

FMOO1A

LOT NUMBER
EX 3499

EXCESS LENGTH	M	H	M	L	E
tonnes	65	53	34	22	
VB					
AB	54	40	21	8	
RA	5	2	1	1	
MAX. SPEED	75	75	75	75	

TOPS CODE								
CARKND			AARKND			OPERATING PANEL No.		
F	M	A	F	M	A	C	3	0
1	7							



TARE -	21750 kg
CARRYING CAPACITY -	42000 kg
CAPACITY -	
MAX. SPEED -	75 mile/h
WHEELS -	812 DIA.
JOURNALS -	124 DIA. ROLLER BEARINGS

BUFFERS -	
COUPLINGS -	BAR COUPLER
MIN. CURVE -	71 m
GEN. ARRGT. DRG. No. -	C-AO-14687
BRAKE -	AIR DISC & HAND LEVER
SUSPENSION -	SECONDARY COIL

ISSUE 2.

EX. B.R. DIAGRAM I/309

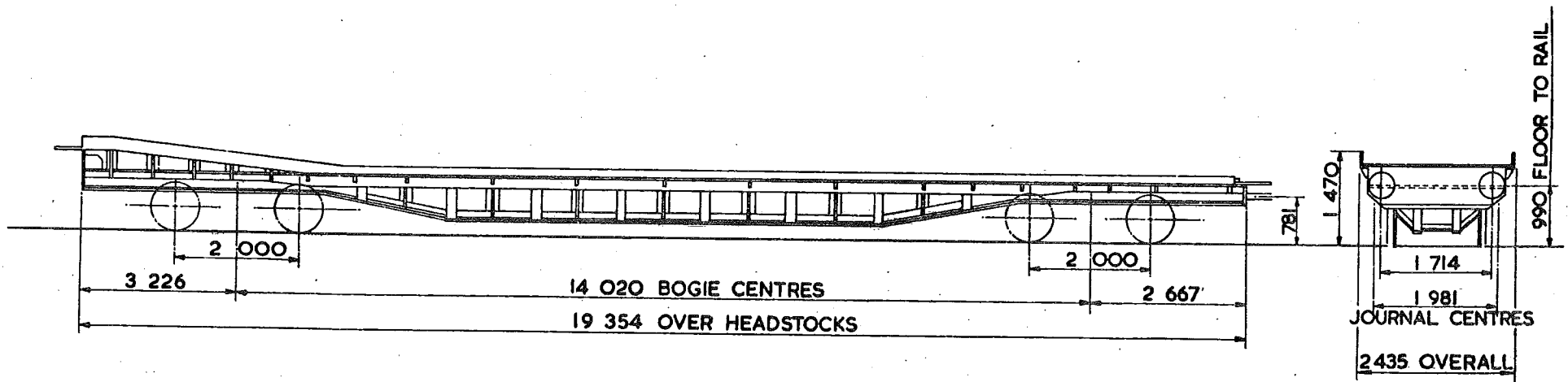
# FREIGHT FLAT OUTER VEHICLE

FM002A

LOT NUMBER
EX 3498

EXCESS LENGTH	H	M	L	E
tonnes	65	53	34	22
VB				
AB	54	40	21	8
RA	5	2	1	1
MAX SPEED	75	75	75	75

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No.
FMA	FMA	D3017



TARE -	22650 kg
CARRYING CAPACITY -	42000 kg
CAPACITY -	
MAX. SPEED -	75 mile/h
WHEELS -	812 DIA.
JOURNALS -	124 DIA. ROLLER BEARINGS

BUFFERS -	HYDRAULIC: 559 DIA HEADS
COUPLINGS -	OUTER END - SCREW INNER END - BAR COUPLING
MIN. CURVE -	71 m
GEN. ARRGT. DRG. No. -	F-AO-14687
BRAKE -	AIR DISC & HAND SCREW
SUSPENSION -	PRIMARY COIL

ISSUE 2

EX. B.R. DIAGRAM I/310

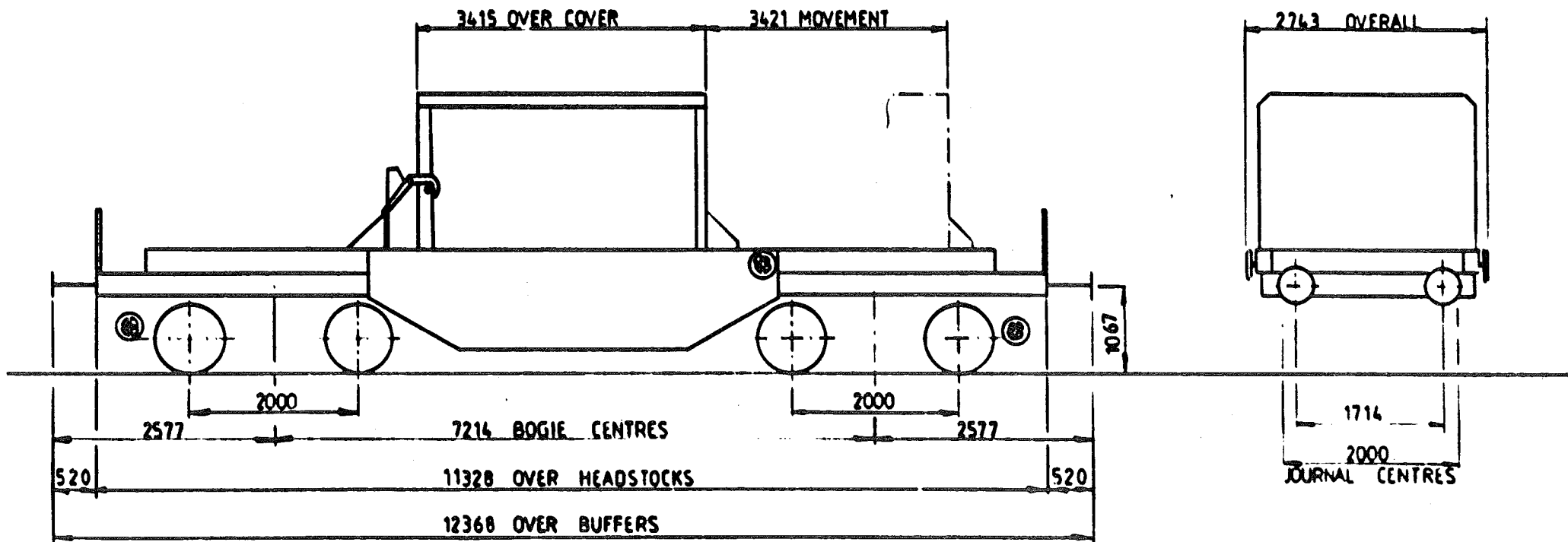


# ATOMIC FLASK WAGON

FN002B

LOT NUMBER	
	3697

TOPS INFORMATION					
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA	EXCESS LENGTH 0
CARKND	PANEL NO.	45 mile/h UP TO	6 tonne GLW	24.24t TARE	
F N B B		mile/h ABOVE		41.76t LADEN	



TARE -	30 000 kg
CAPACITY, WEIGHT -	56 000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	31m SINGLY, 46m CLOSE COUPLED
GEN. ARRGT. ORG. NO. -	F-S-1461

BRAKE -	AIR BLOCK, VACUUM PIPE, HAND SCREW.
SUSPENSION -	SECONDARY COIL
COUPLINGS -	FR SCREW
BUFFERS -	HYDRAULIC, 406 DIA HEADS
WHEELS -	838 DIA
JOURNALS -	140 DIA ROLLER BEARINGS

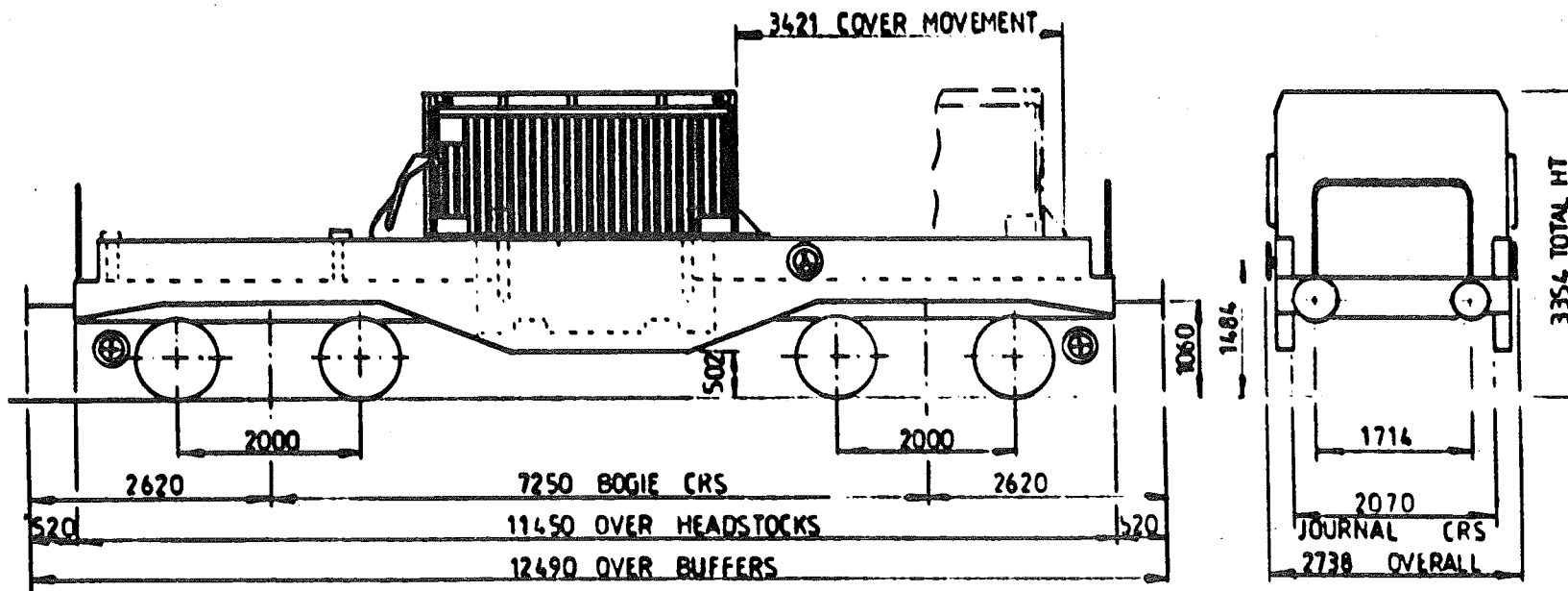
ISSUE 2

# ATOMIC FLASK WAGON

FN003A

LOT NUMBER	
4004	

TOPS INFORMATION											
AARKND		OPERATING		OPERATING SPEED				BRAKE FORCE DATA		EXCESS LENGTH	
CARKND		PANEL NR.		45 mile/h UP TO 79 tonne GLW				VARIABLE LOAD		0	
F	N	B	B	<del>mile/h ABOVE</del>				-1.046*(10.482 x t)			



TARE -	23000 kg
CAPACITY, WEIGHT -	56000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	31m
GEN. ARRGT. DRG. NO. -	D4-AD-9011986

BRAKE -	AIR DISC, VACUUM PIPE, HAND SCREW
SUSPENSION -	PRIMARY COIL
COUPLINGS -	B.R.SCREW
BUFFERS -	SELF CONTAINED, 406 DIA HEADS
WHEELS -	953 DIA
JOURNALS -	150 DIA ROLLER BEARINGS

DIMNS, WHERE APPLICABLE, ARE TO U/FRAME MEMBERS, AND NOT OVER STAINLESS STEEL CLADDING

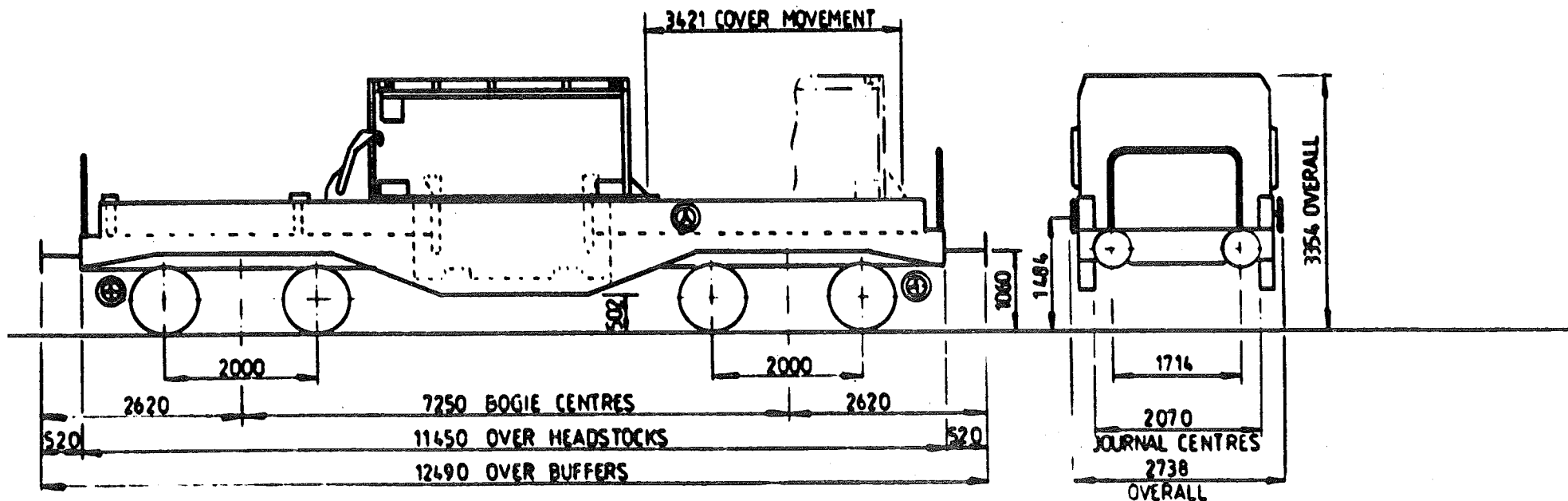
ISSUE 2

# ATOMIC FLASK WAGON

FN003B

LOT NUMBER	
3886	
3928	

TOPS INFORMATION							
AARKND	OPERATING		OPERATING SPEED		BRAKE FORCE DATA	EXCESS LENGTH	RA (GLW)
CARKND	PANEL NO.		60 mile/h UP TO		-1.046 + (0.482 * t)	0	6
F N B	B	0 6 0 4	45 mile/h ABOVE				



TARE -	25000 kg
CAPACITY, WEIGHT -	56000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	31 m
GEN. ARRGT. DRG. NO. -	D4 - A0 - 9011986

BRAKE -	AIR DISC, VACUUM PIPE, HAND SCREW
SUSPENSION -	PRIMARY COIL
COUPLINGS -	BR SCREW
BUFFERS -	SELF CONTAINED 406 DIA HEADS
WHEELS -	953 DIA
JOURNALS -	150 DIA ROLLER BEARINGS

OMN'S WHERE APPLICABLE ARE TO U/FRA ME MBERS AND NOT OVER STAINLESS STEEL CLADDING

ISSUE 2

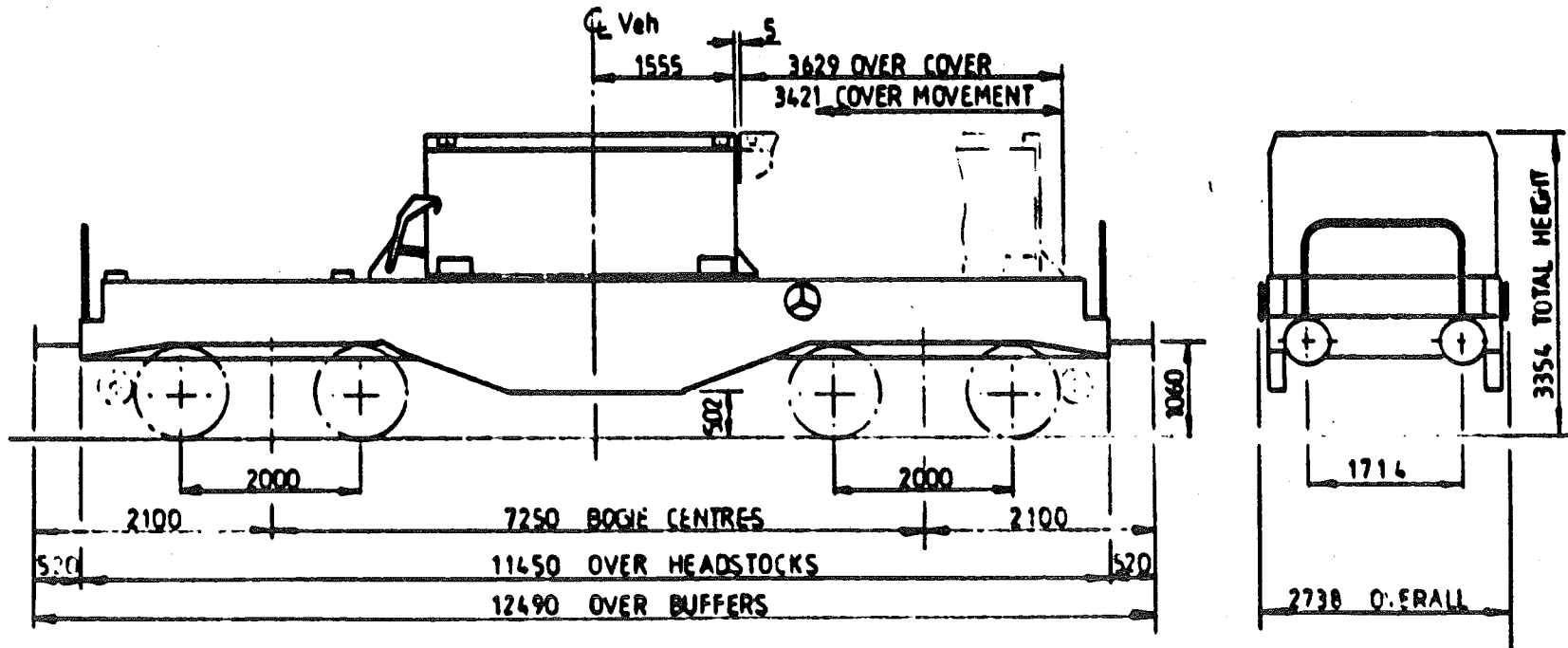
# ATOMIC FLASK WAGON

FN003C

W1302

LOT NUMBER	
4049	
4057	

TOPS INFORMATION										RA
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH	(GLW)
CARKND		PANEL NO.		60 mile/h UP TO			25 tonne GLW		- 4.5 + (0.5 x t)	6
F	N	A	B							



TARE -	25000 kg
CAPACITY, WEIGHT -	56000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	31m
GEN. ARRGT. DRG. NO. -	D4.A0.9011986

BRAKE -	AIR DISC HAND SCREW
SUSPENSION -	PRIMARY COIL
COUPLINGS -	BR. SCREW
BUFFERS -	HYDRAULIC 406 DIA HEADS
WHEELS -	953 DIA
JOURNALS -	150 DIA ROLLER BEARINGS

LIMITATIONS WHERE APPLICABLE ARE TO UNDERFRAME MEMBERS AND NOT TO STAINLESS STEEL CLADDING

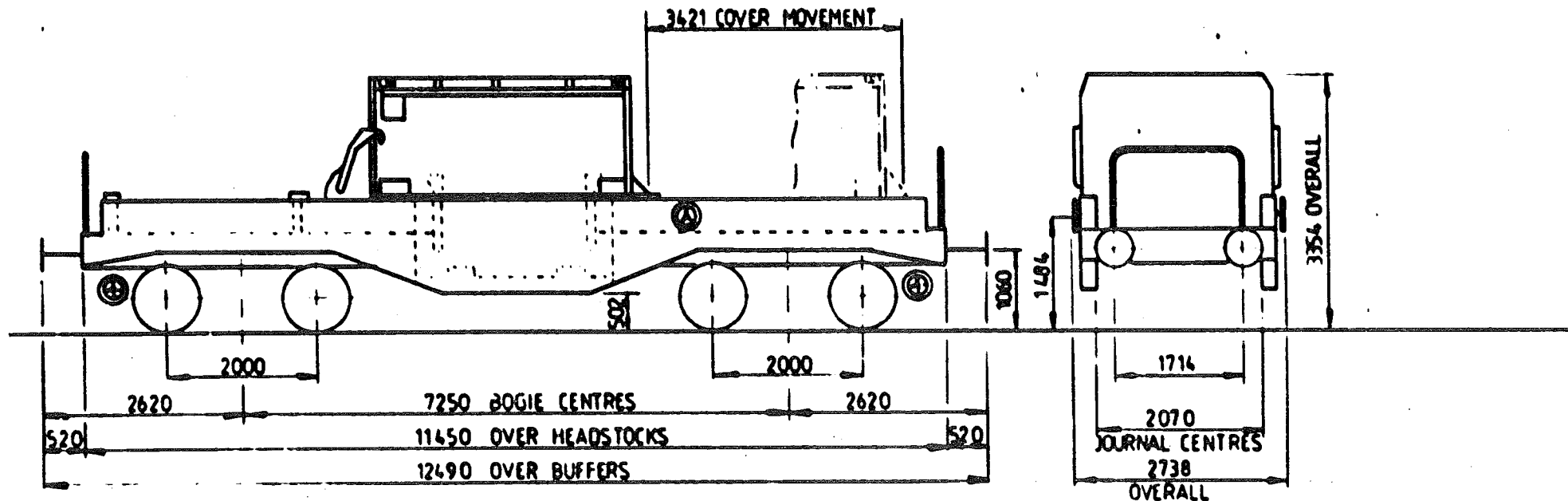
ISSUE 2

# ATOMIC FLASK WAGON

FNO03E

LOT NUMBER	
3886	
3928	

TOPS INFORMATION							EXCESS LENGTH	RA (GLW)
AARKND	OPERATING		OPERATING SPEED		BRAKE FORCE DATA			
CARKND	PANEL NR.		60 mile/h UP TO		-1.046 * (0.482 * t)		0	6
F N A B	0	6	0	4				



TARE -	25000 kg
CAPACITY, WEIGHT -	56000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	31 m
GEN ARRGT. DRG. N <sup>o</sup> . -	D4 - A0 - 9011986

BRAKE -	AIR DISC, HAND SCREW
SUSPENSION -	PRIMARY COIL
COUPLINGS -	BR SCREW
BUFFERS -	SELF CONTAINED 406 DIA HEADS
WHEELS -	953 DIA
JOURNALS -	150 DIA ROLLER BEARINGS

DMN'S WHERE APPLICABLE ARE TO U/FRAME MEMBERS AND NOT OVER STAINLESS STEEL CLADDING

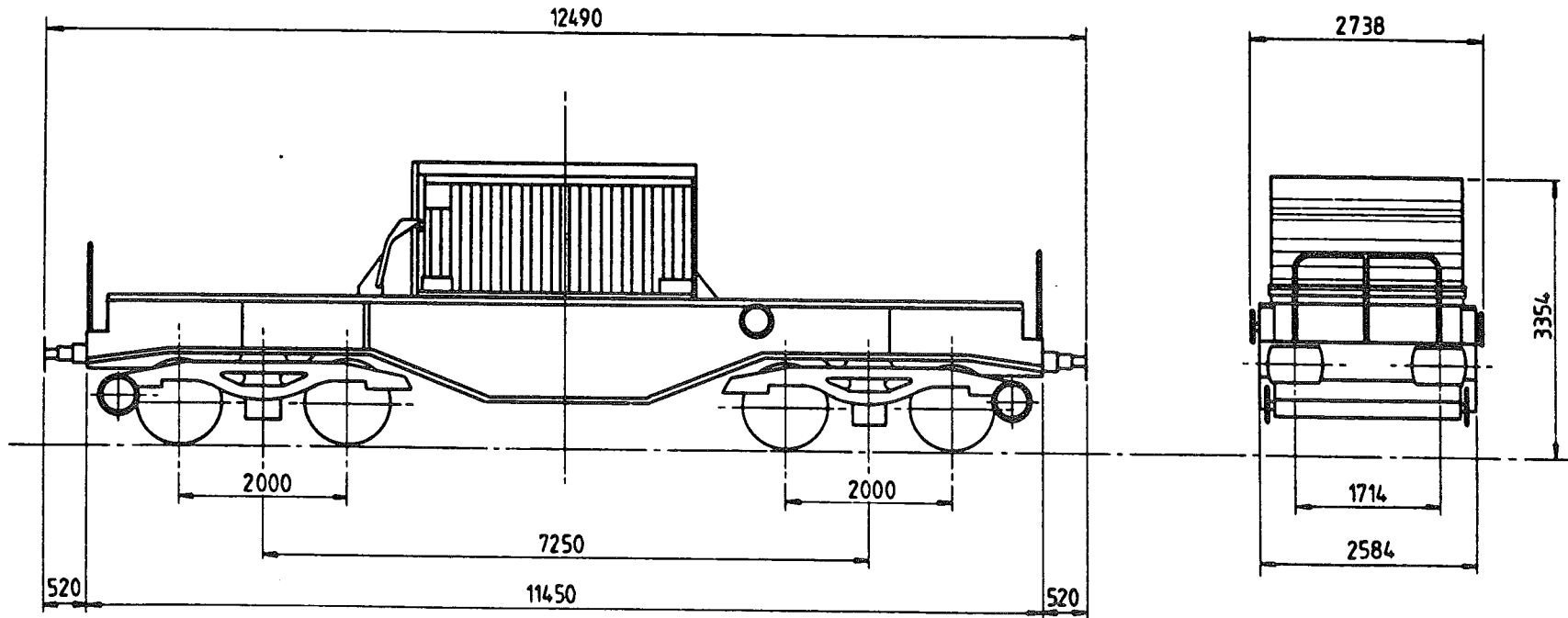
ISSUE 1

# IRRADIATED FUEL FLASK WAGON

FN003F

LOT NUMBER	

TOPS INFORMATION						
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA		EXCESS LENGTH
CARKND	PANEL No.	60 mile/h UP TO	81 tonne GLW	VARIABLE LOAD:-		RA (GLW)
F N A		mile/h ABOVE		-4.5+(0.5 * t)		6
						W1957



TARE-	25 000kg
CAPACITY, WEIGHT-	56 000kg
CAPACITY, VOLUME-	-
MIN. CURVE-	31m
GEN. ARRGT. DRG. NO.-	

BRAKE-	AIR DISC & SCREW
SUSPENSION-	FBT 6Ma
COUPLINGS-	BR SCREW
BUFFERS-	HYDRAULIC 610 * 355
WHEELS-	953 DIA.
JOURNALS-	150 DIA. ROLLER BEARINGS

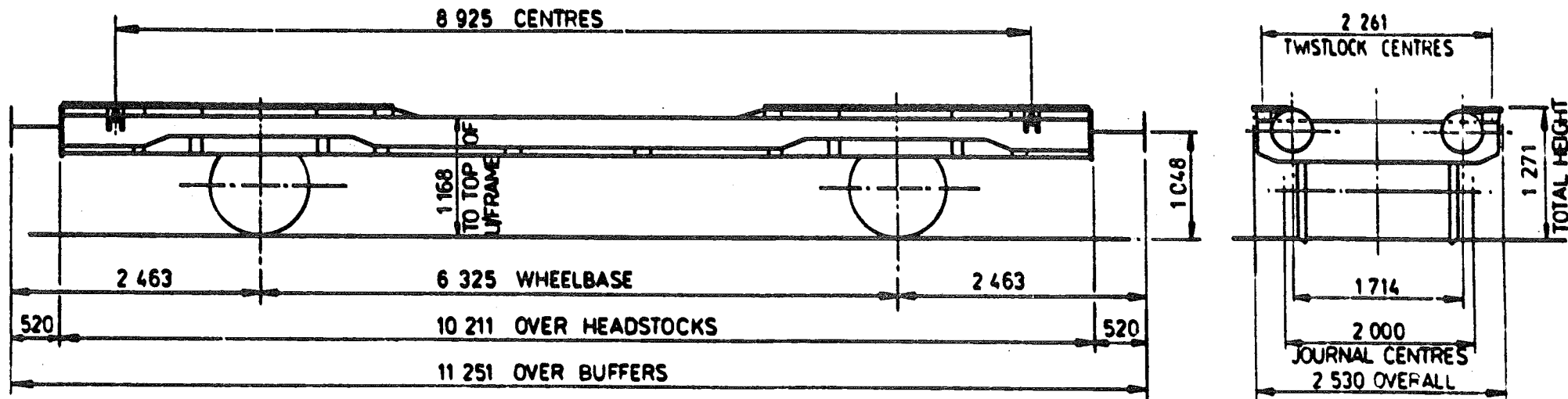
ISSUE 1

# 43 tonnes G.L.W. CONTAINER WAGON (COAL)

FP 005A

LOT NUMBER	
4050	

TOPS INFORMATION						
AARKND		OPERATING		OPERATING SPEED		BRAKE FORCE DATA
CARKND		PANEL NO.		45 mile/h UP TO		ACCORDING TO FORMULA:-
F P A B				60 mile/h ABOVE		4.22 + (0.55 x t) UP TO 41t G.L.W.
				11.8 tonne GLW		THEN CONSTANT
						EXCESS LENGTH
						0



TARE -	11 800 kg
CAPACITY, WEIGHT -	31 200 kg
CAPACITY, VOLUME -	
MIN. CURVE -	41 m
GEN. ARRGT. DRG. NO. -	C1-A0-8600137

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

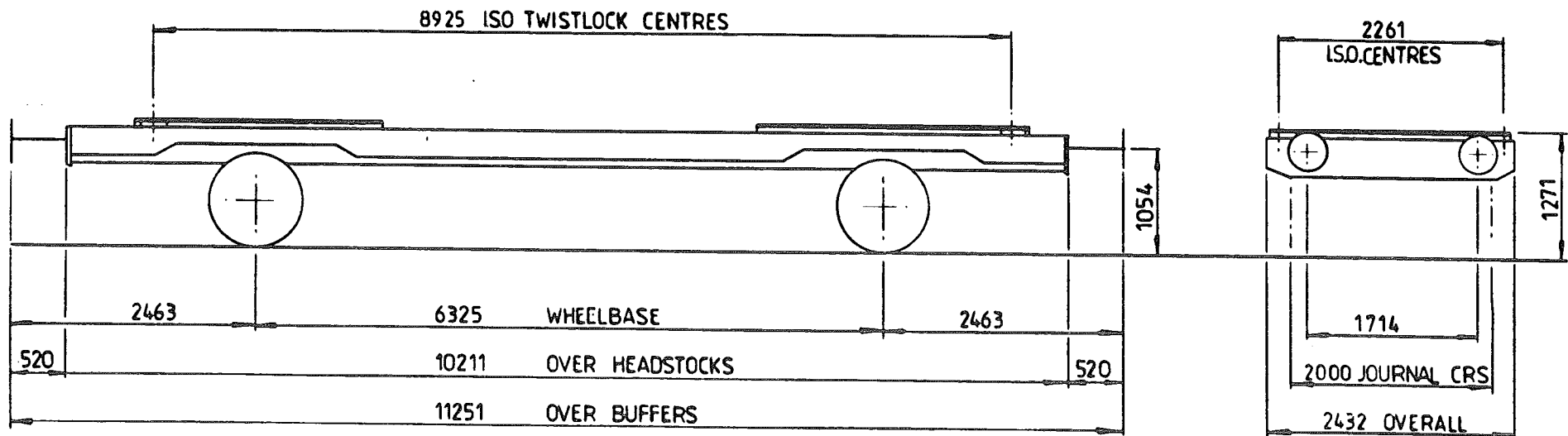
ISSUE 2

# CONTAINER FLAT WAGON (43.8t GLW.)

FP006A

LOT NUMBER	
3764	

TOPS INFORMATION						
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA		EXCESS LENGTH
CARKND	PANEL No.	45 mile/h UP TO	11.8 tonne GLW	12 † TARE		RA (GLW)
F P A		60 mile/h ABOVE		27 † LADEN		4.6
						8
						DESIGN SHEET W1845



TARE-	11.8 tonnes
CAPACITY, WEIGHT-	32 tonnes
CAPACITY, VOLUME-	
MIN. CURVE-	41m SINGLE, 50m CLOSE COUPLED
GEN. ARRGT. DRG. NO.-	B1-A0-8600894

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 1/262

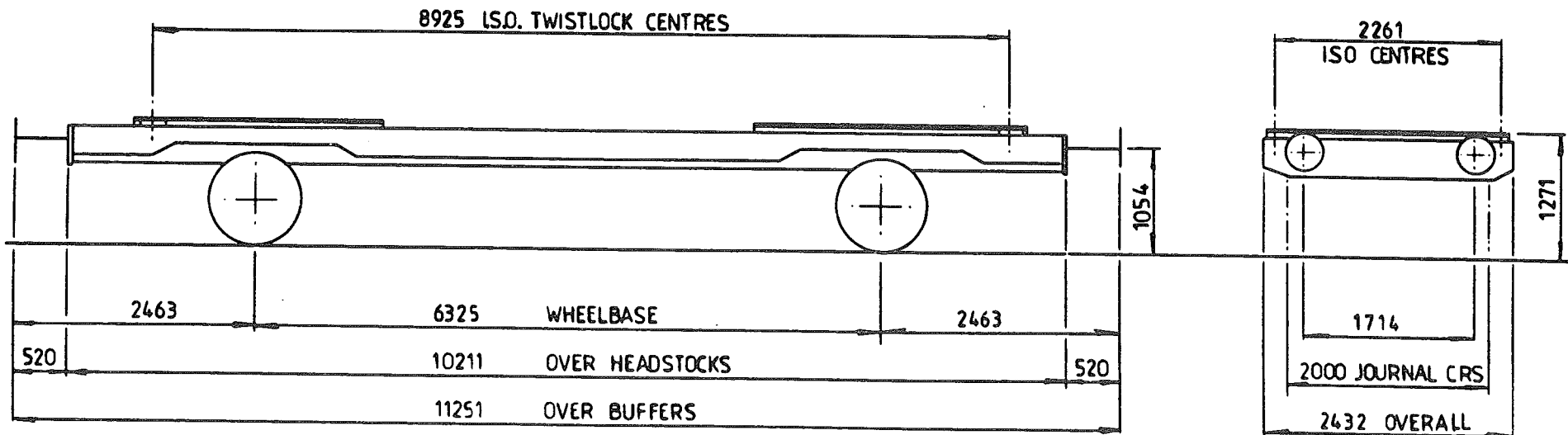


# CONTAINER FLAT WAGON (43.8t GLW)

FPO06B

LOT NUMBER	
3832	

TOPS INFORMATION											
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH	RA (GLW)	DESIGN SHEET
CARKND		PANEL No.		45 mile/h UP TO 60 mile/h ABOVE			VARIABLE LOAD		46	8	W 1846
F	P	A	B								



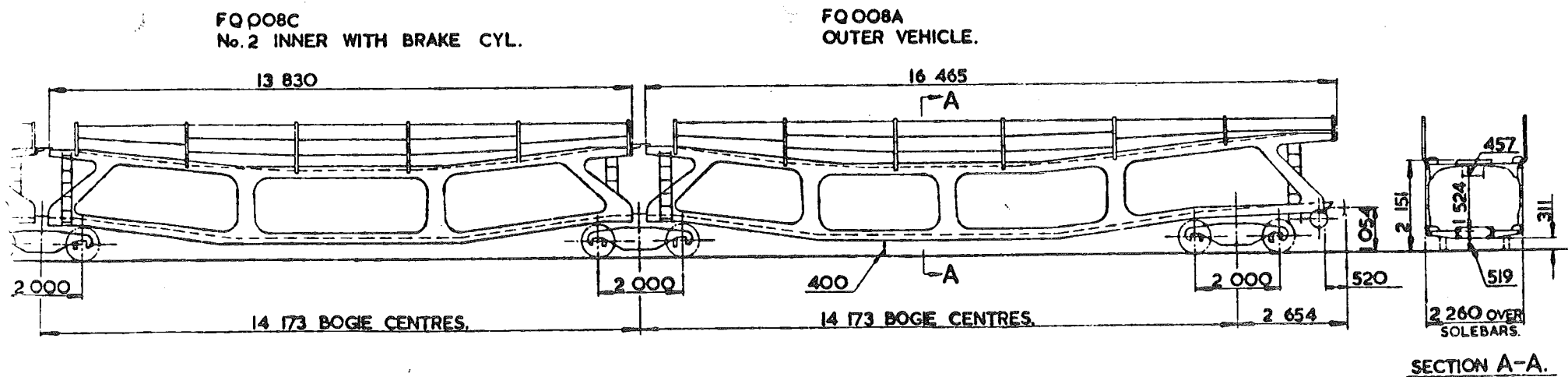
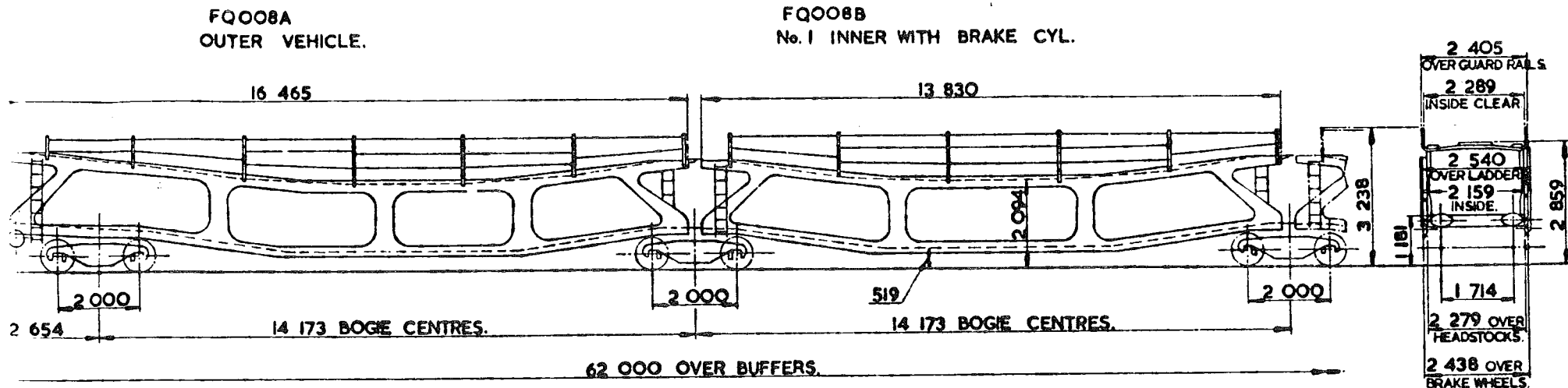
TARE-	11.8 tonnes
CAPACITY, WEIGHT-	32 tonnes
CAPACITY, VOLUME-	
MIN. CURVE-	41m SINGLE, 50m CLOSE COUPLED
GEN. ARRGT. DRG. NO.-	B1·A0·8600894

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

# ARTICULATED CAR TRANSPORTER

FQ008A



ISSUE 1.

EX. B.R. DIAGRAM 4/821.

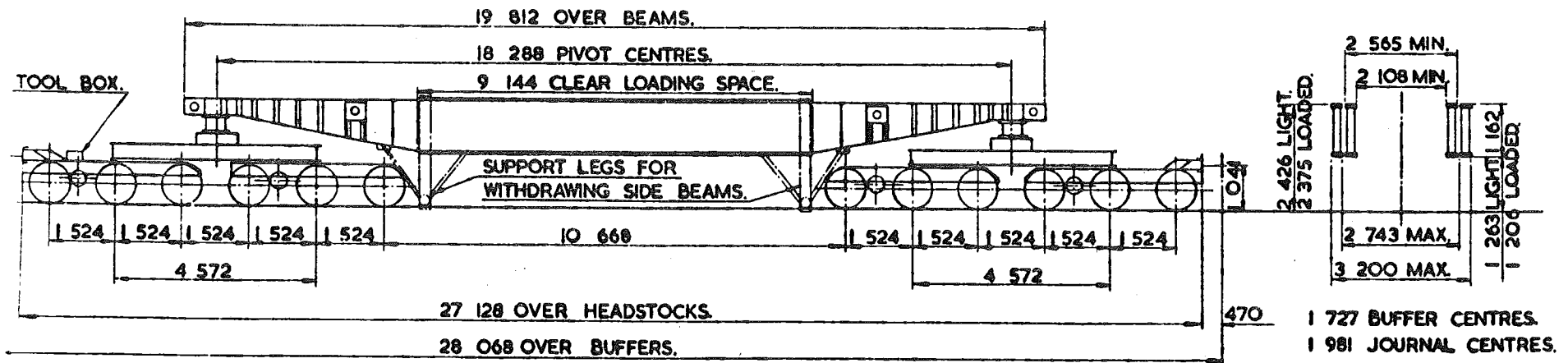
# TRANSFORMER WAGON.

FROO5A

LOT NUMBER
2419

EXCESS LENGTH	24	H	M	L	E
tonnes	208	157	107	73	
VB					
AB					
RA	0	0	0	0	
MAX. SPEED	15	15	20	35	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No		
F	R	Ø	F	R	Ø
L	7	1	3	2	



TARE --	73700kg.
CARRYING CAPACITY-137000kg.	
CAPACITY-	
MAX. SPEED --	35mile/h EMPTY.
WHEELS --	914 DIA.
JOURNALS --	305 x 184 PLAIN BEARINGS.

BUFFERS --	SELF CONTAINED 330 DIA. HEADS.
COUPLINGS --	SCREW.
MIN. CURVE --	31m.
GEN. ARRGT. DRG. No. --	DE/1630.
BRAKE --	HAND SCREW.
SUSPENSION --	EYEBOLT.

SIDE BEAMS DETACHABLE & ADJUSTABLE FROM 2108 MIN. TO 2743 MAX. BETWEEN BEAMS IN 127 REDUCTIONS OF 63.5 EACH SIDE CROSS TRAVERSING GEAR TO GIVE MAX. TRAVERSE OF 305 ON EITHER SIDE OF  $\phi$  WHEN REQUIRED.  
 FOR LOADING CONDITIONS SEE DRG. No. DE/76555.

ISSUE 1.

EX B.R. SPECIAL DIAGRAM 2/470.

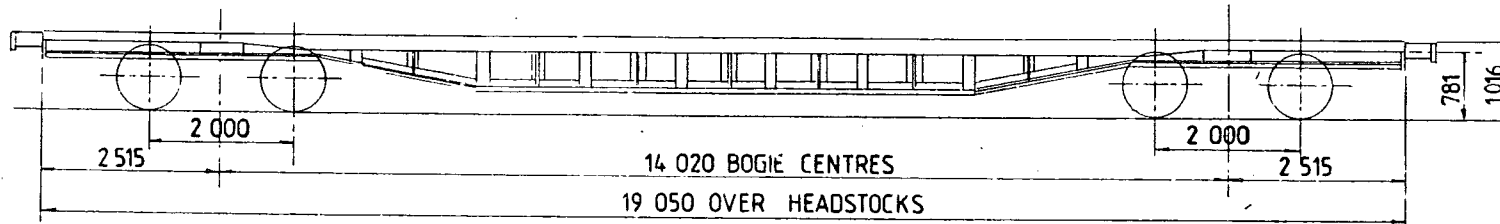
# FREIGHTLINER INNER VEHICLE

FU001A

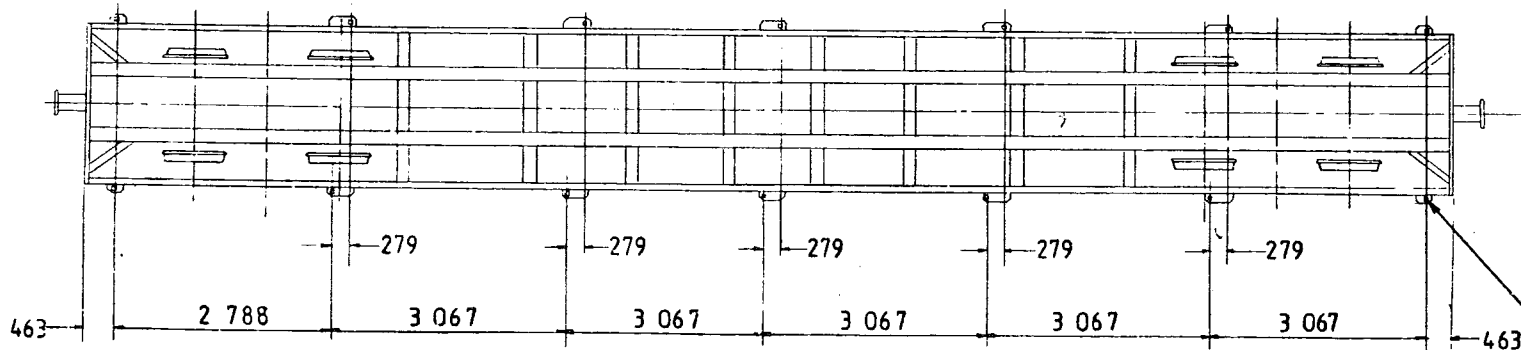
LOT NUMBER
PART 3676
3689
3691
3712

EXCESS LENGTH	10	H	M	L	E
tonnes	82	72	36	20	
VB					
AB	54	40	21	8	
RA	5	2	1	1	
MAX. SPEED	55	75	75	75	

TOPS CODE										
CARKND		AARKND			OPERATING PANEL No.					
F	U	A	F	U	A	F	7	0	1	7



2 362 OVER  
ISO BRACKETS  
2 108 OVER  
HEADSTOCKS  
1 981 JOURNAL  
CENTRES  
2 419 OVERALL



LOCATION CENTRES  
ISO CONTAINERS

TARE 19 700 kg
CARRYING CAPACITY - 62 000 kg
CAPACITY -
MAX. SPEED 75 mile /h
WHEELS - 812 DIA
JOURNALS 124 DIA ROLLER BEARINGS

BUFFERS -
COUPLINGS - BAR COUPLER
MIN. CURVE - 71m
GEN. ARRGT. DRG. No. - F-S-2403, F-S-581
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - SECONDARY COIL

issue 1

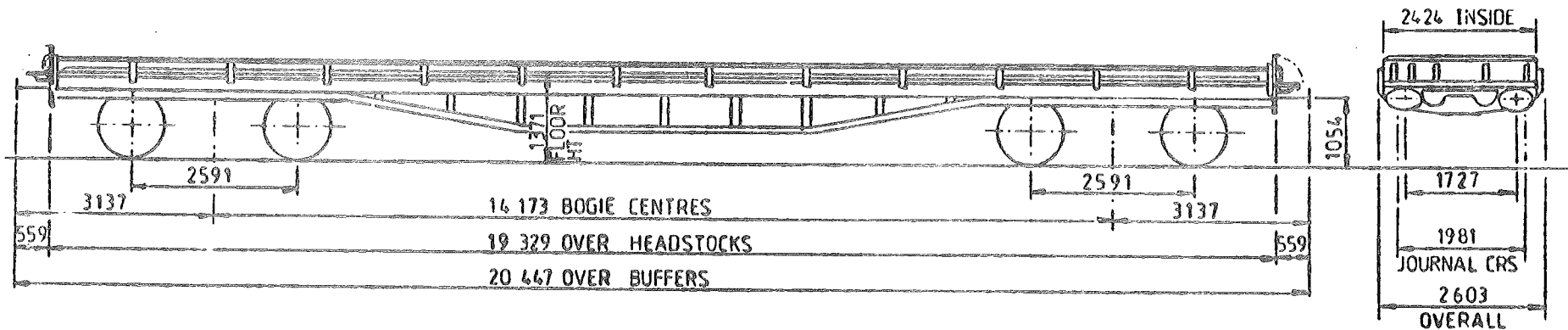
EX BR DIAGRAM 1/124

# CARFLAT WAGON

FV003V

LOT NUMBER	
3715	3758

TOPS INFORMATION										
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH 12	
CARKND		PANEL NO.		90 mile/hr UP TO			12 T BRAKED TO TARE (AIR & VAC)			
F	V	X	M	0	2	0				



TARE -	23 400 Kg
CAPACITY, WEIGHT -	10 000 Kg
CAPACITY, VOLUME -	
MIN. CURVE -	61m
GEN. ARRGT. DRG. N <sup>o</sup> -	SW/SW 1271

BRAKE -	AIR & VACUUM BLOCK, HAND LEVER
SUSPENSION -	EYEBOLT
COUPLINGS -	BUCKEYE
BUFFERS -	RETRACTABLE, SPINDLE 559x336 OVAL HEADS
WHEELS -	1067 DIA
JOURNALS -	228x117 PLAIN BEARINGS

ISSUE 1

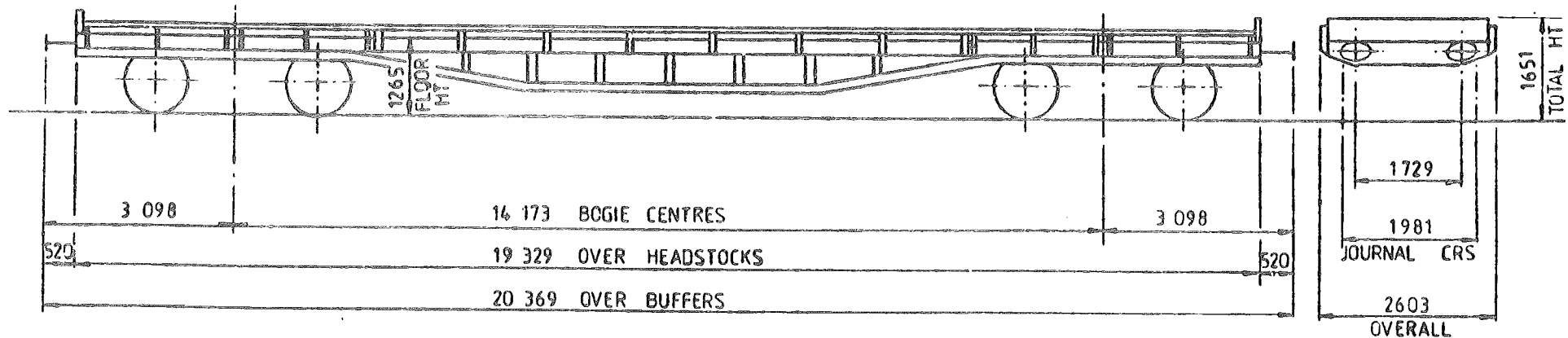
EX. BR. DIAGRAM 1/136

# CARFLAT WAGON

FV003X

LOT NUMBER	
3679	

TOPS INFORMATION										
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH	
CARKND		PANEL NO.		90 mile/h UP TO					12	
F	V	X	M	0	2	8	0	33tonne GLW		12ft BRAKED TO TARE (AIR & VAC)
<del>mile/h ABOVE</del>										



TARE -	23 000 Kg
CAPACITY, WEIGHT -	10 000 Kg
CAPACITY, VOLUME -	
MIN. CURVE -	61 m
GEN. ARRGT. DRG. NO. -	F-S-7503

BRAKE -	AIR & VACUUM BLOCK. HAND LEVER.
SUSPENSION -	EYEBOLT
COUPLINGS -	BUCKEYE
BUFFERS -	RETRACTABLE, SPINDLE 559x356 OVAL HEADS
WHEELS -	1067 DIA
JOURNALS -	228 x 111 PLAIN BEARINGS

ISSUE 1

EX. BR. DIAGRAM 189

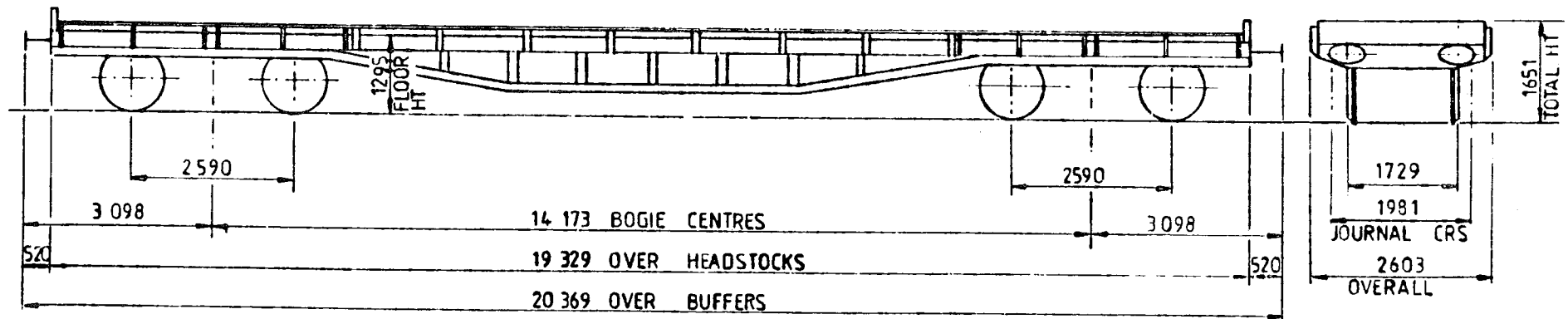
# 33.5 t GLW CARFLAT WGN

FV003Z

W1289

LOT NUMBER	
	3831

TOPS INFORMATION										
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH	
CARKND		PANEL NO.		75 mile/h UP TO			11t BRAKED TO TARE		12	
F	V	W	D	6	1	1				
				34 tonne GLW						
				mile/h ABOVE						



TARE -	23 500 kg
CAPACITY, WEIGHT -	10 000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	61 m
GEN. ARRGY. DRG. No. -	F.S.7503      F.A1.7418

BRAKE -	VACUUM BLOCK, AIR PIPE, HAND LEVER,
SUSPENSION -	PRIMARY COIL
COUPLINGS -	BR SCREW
BUFFERS -	SPINDLE 559 x 356 OVAL HEADS
WHEELS -	1067 DIA
JOURNALS -	228 x 111 PLAIN BEARINGS

ISSUE 1

EX. BR. DIAGRAM 1/177

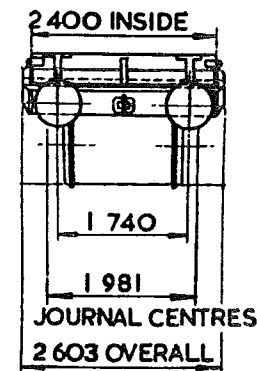
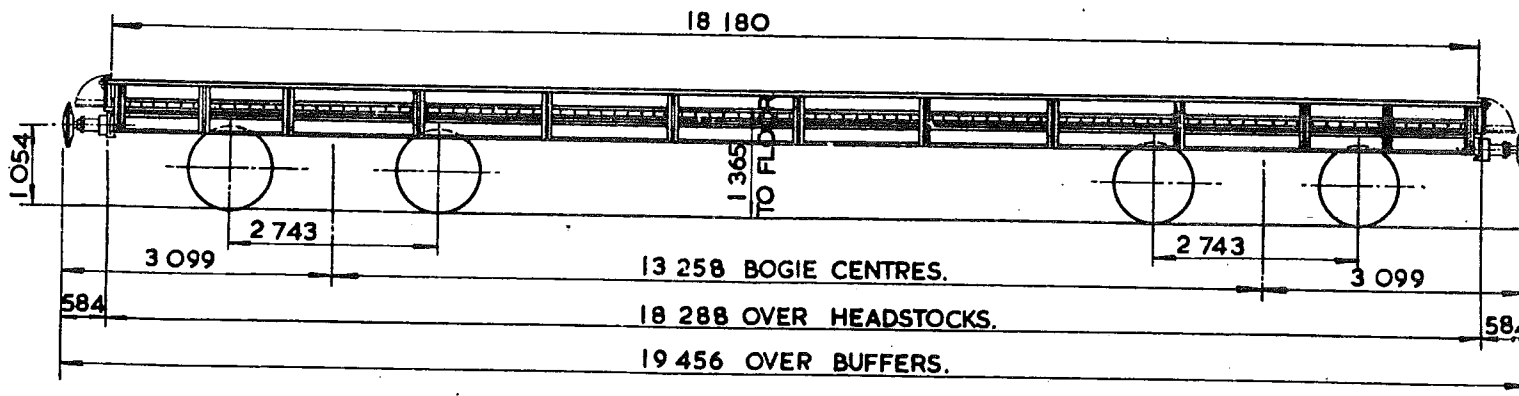
# CARFLAT WAGON

FVOIOB

LOT NUMBER
3588
3589

EXCESS LENGTH	H	M	L	E
tonnes	31	29	25	22
VB				
AB				
RA				
MAX. SPEED	75	75	75	75

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
F	V	X	F	V	X	D			
							1	8	5



TARE - 22 100 kg to 22 400 kg
CARRYING CAPACITY - 10 000 kg
CAPACITY -
MAX. SPEED - 75 mile/h
WHEELS - 1067 DIA.
JOURNALS - 228 x III PLAIN BEARINGS

BUFFERS - SPINDLE 610 DIA HEADS
COUPLINGS - B.R. SCREW
MIN. CURVE - 71 m
GEN. ARRGT. DRG. No. - DE/11487
DE/12 50 3 BRAKE ARRGT.
BRAKE - AIR & VACUUM BLOCK & HAND LEVER
SUSPENSION - EYEBOLT & AUXILIARY RUBBERS



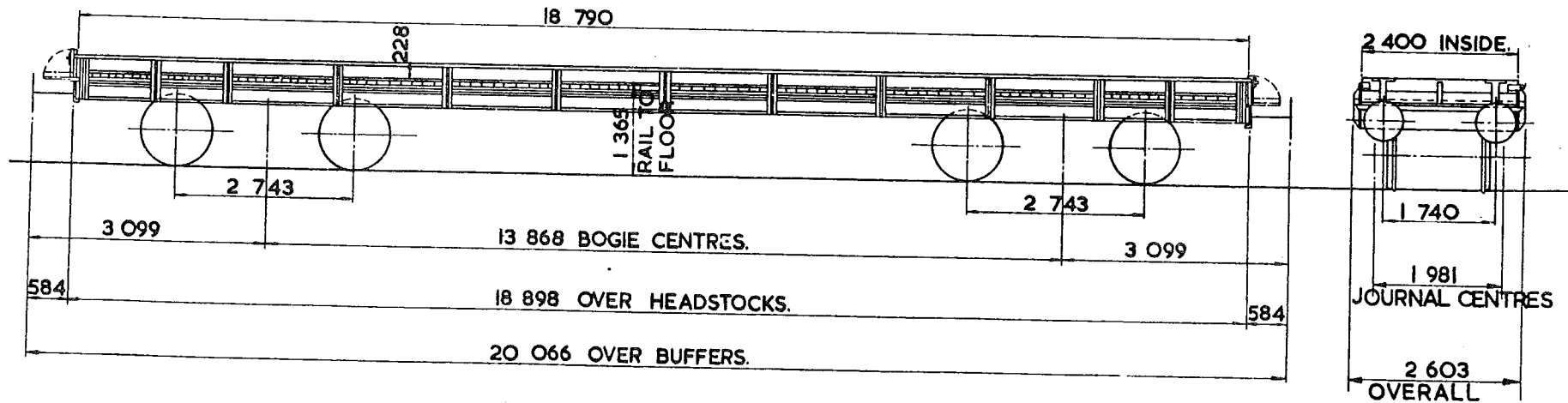
# CARFLAT WAGON

FVOIIB

LOT NUMBER	
PART 3533	
PART 3553	
3562	3554
PART 3563	
PART 3532	
PART 3534	
PART 3535	

EXCESS LENGTH	I 2	H	M	L	E
tonnes	32	30	26	23	
VB	II	II	II	II	
AB	II	II	II	II	
RA	I	I	I	I	
MAX. SPEED	75	75	75	75	

TOPS CODE						
CARKND		AARKND			OPERATING PANEL No	
F	V	X	F	V	X	D
						2 5 3



TARE -- 23 700 kg.
CARRYING CAPACITY -- 10 000 kg.
CAPACITY --
MAX. SPEED -- 75 mile/h.
WHEELS -- 1 067 DIA.
JOURNALS -- 228xIII PLAIN BEARINGS

BUFFERS -- SPINDLE .610 DIA. HEADS
COUPLINGS -- B.R. SCREW
MIN. CURVE -- 71m.
GEN. ARRGT. DRG. No. -- DE 11487 B.
BRAKE -- AIR & VACUUM BLOCK & HAND LEVER
SUSPENSION -- EYEBOLT.

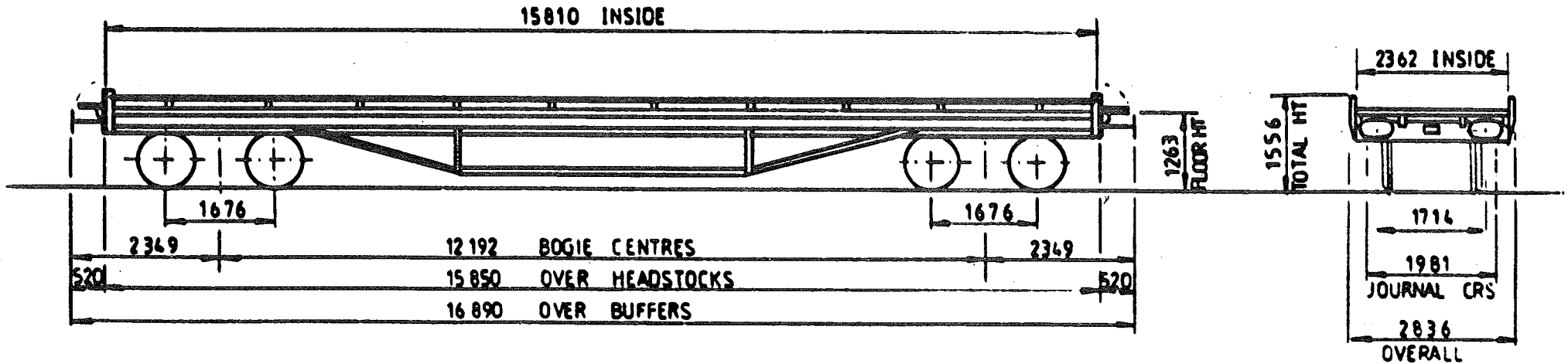
Issue 2

# BOFLAT WAGON

# FW001B

LOT NUMBER	
3229	3240

TOPS INFORMATION								
AARKND	OPERATING		OPERATING SPEED		BRAKE FORCE DATA		EXCESS LENGTH	RA (GLW)
CARKND	PANEL NO.		60 mile/h UP TO		12† BRAKED TO TARE		7	3
F	W	W	B	<del>mile/h ABOVE</del>				



TARE -	16000 kg
CAPACITY, WEIGHT -	41400 kg
CAPACITY, VOLUME -	
MIN. CURVE -	22 m
GEN. ARRGT. DRG. NO. -	SW/DE/35595 F-S-18284

BRAKE -	VACUUM BLOCK, AIR PIPE, HAND SCREW
SUSPENSION -	SECONDARY COIL
COUPLINGS -	INSTANTER
BUFFERS -	HYDRAULIC 610x356 OVAL HEADS
WHEELS -	952 DIA
JOURNALS -	124 DIA ROLLER BEARINGS

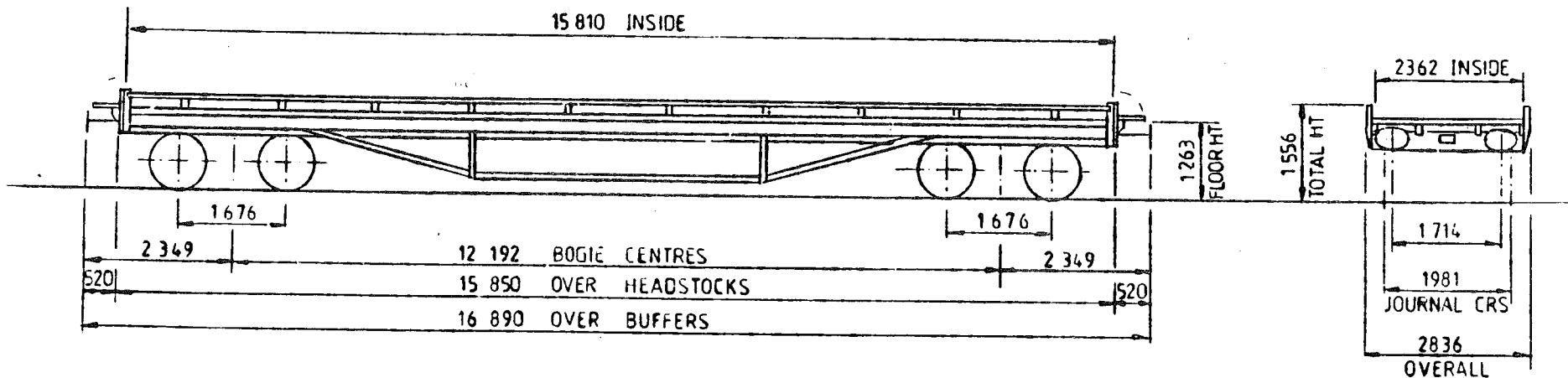
ISSUE 2

# 59 GLW BOFLAT WAGON

FW002A

LOT NUMBER	

TOPS INFORMATION						
AARKND	OPERATING		OPERATING SPEED		BRAKE FORCE DATA	EXCESS LENGTH
CARKND	PANEL NO.		60 mile/h UP TO		12 t BRAKED TO TARE	7
F   W   W   B	6   0   5   8	<del>mile/h</del> ABOVE 59 tonne GLW				



TARE -	16 000 kg
CAPACITY, WEIGHT -	42 400 kg
CAPACITY, VOLUME -	
MIN. CURVE -	22 m
GEN. ARRGT. DRG. N <sup>o</sup> -	SW/DE/35595
	F-S-18284

BRAKE -	VACUUM BLOCK, AIR PIPE, HAND SCREW
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 492

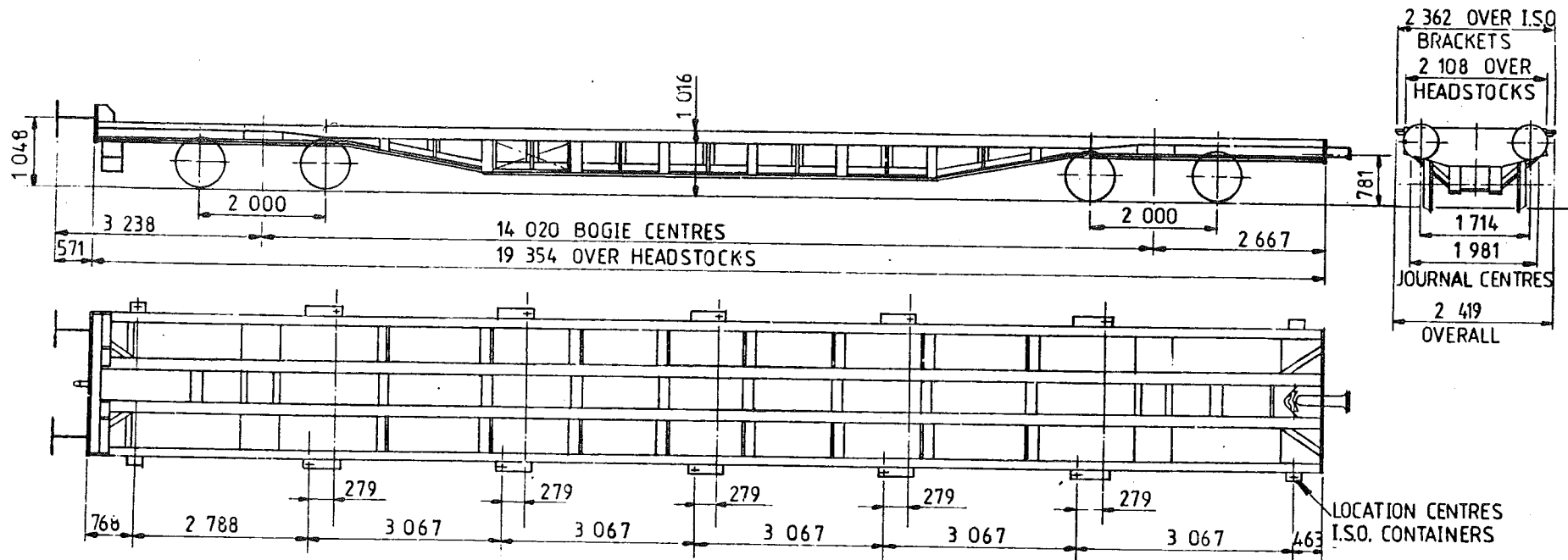
# FREIGHTLINER OUTER VEHICLE

FY001A

LOT NUMBER
3692
3711
PART 3675
PART 3690

EXCESS LENGTH	10	H	M	L	E
tonnes	71	52	33	20	
VB					
AB	54	40	21	8	
RA	5	2	1	1	
MAX. SPEED	55	75	75	75	

TOPS CODE										
CARKND	AARKND			OPERATING PANEL No						
F	Y	A	F	Y	A	F	7	0	1	9



TARE - 20 200 kg
CARRYING CAPACITY - 52 000 kg
CAPACITY -
MAX. SPEED - 75 mile/h
WHEELS - 812 DIA.
JOURNALS - 124 DIA. ROLLER BEARING

BUFFERS - HYDRAULIC 559 DIA HEADS
COUPLINGS - OUTER END - BR SCREW COUPLING INNER END - BAR COUPLER
MIN. CURVE - 71 m
GEN. ARRG. DRG. No. - F-S-2323
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - PRIMARY COIL

issue 1

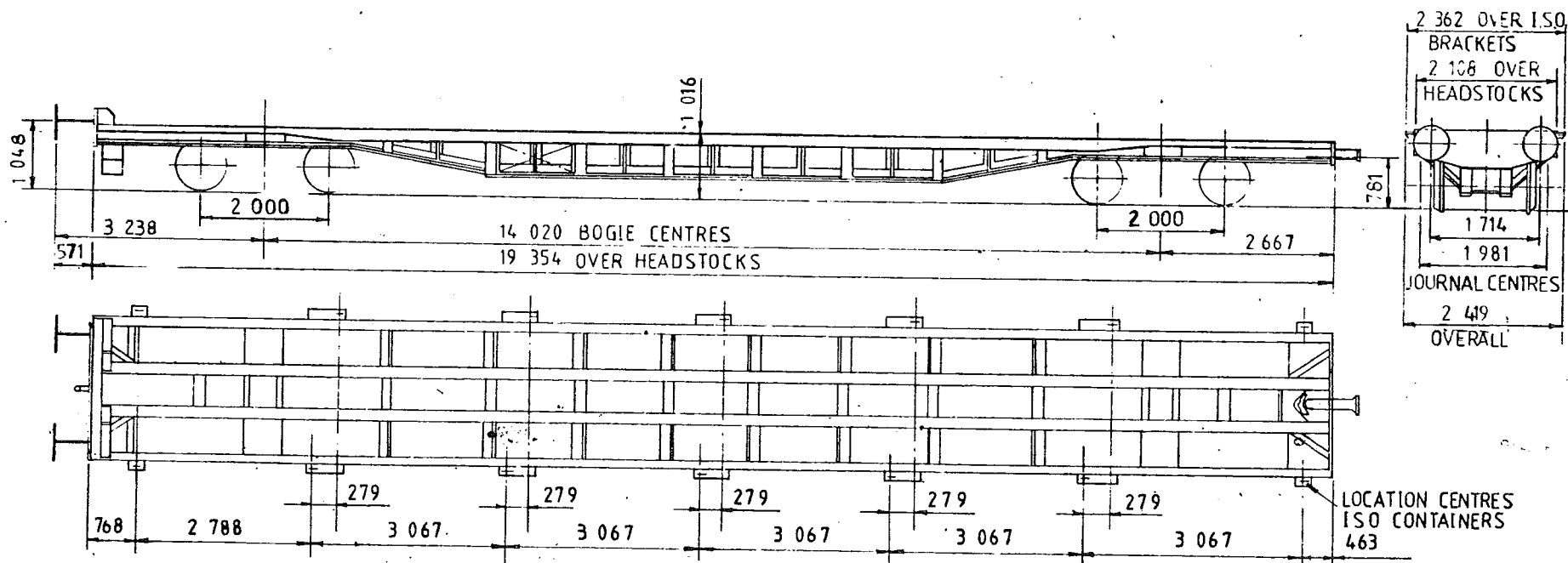
# FREIGHTLINER OUTER VEHICLE

FY001B

LOT NUMBER
PART. 3718

EXCESS LENGTH 10	H	M	L	E
tonnes	71	52	33	20
VB				
AB	54	40	21	8
RA	5	2	1	1
MAX SPEED	75	75	75	75

TOPS CODE										
CARKND			AARKND			OPERATING PANEL No				
F	Y	A	F	Y	A	F	7	0	1	9



TARE - 20 200 Kg
CARRYING CAPACITY - 52 000 Kg
CAPACITY -
MAX. SPEED - 75 mile/h
WHEELS - 812 DIA.
JOURNALS - 124 DIA. ROLLER BEARING

BUFFERS - HYDRAULIC 559 DIA. HEADS
COUPLINGS - OUTER END BR. SCREW COUPLING INNER END BAR COUPLER
MIN. CURVE - 71m
GEN. ARRGT DRG. No. - DE-12472 F-S-6664
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - PRIMARY COIL

Issue 1

EX BR DIAGRAM 1/125

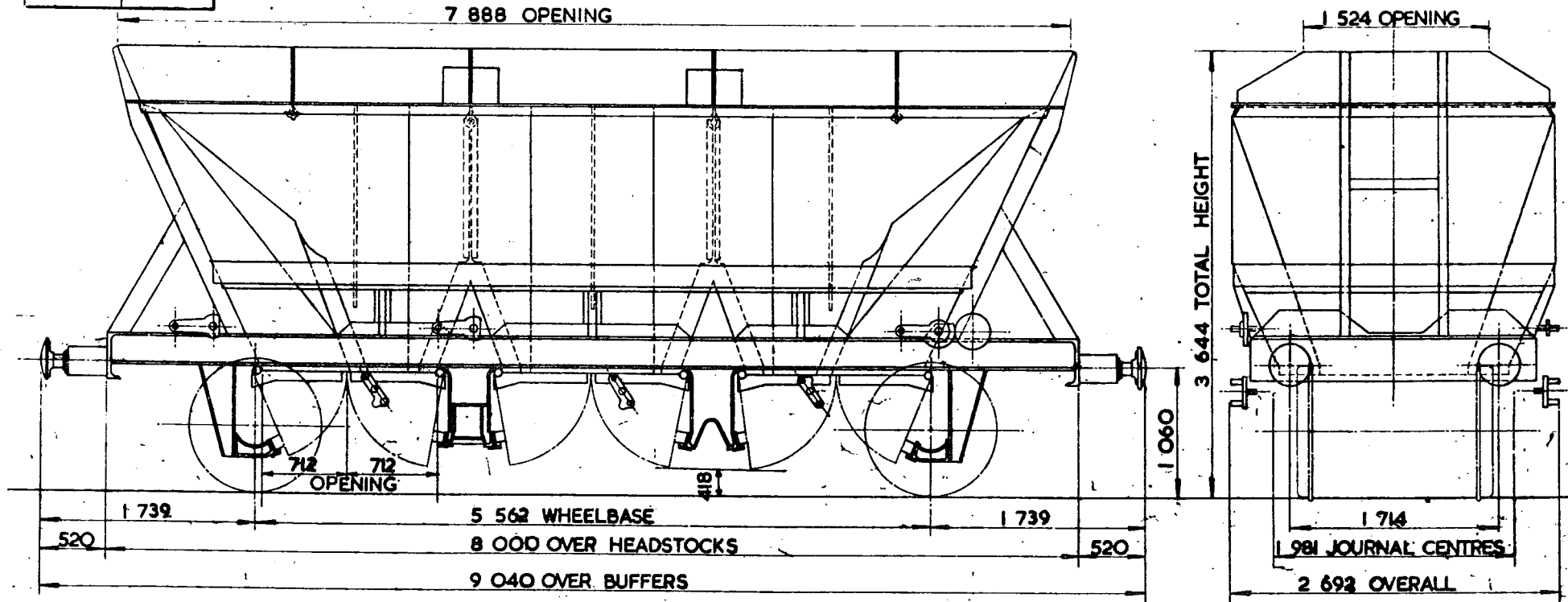
# HOPPER COAL WAGON

# HA00C

LOT NUMBER	
3495	3647
3528	3720
3574	3844
3575	
3646	

EXCESS LENGTH	5	H	M	L	E
tonnes	46	34	22	14	
VB					
AB	10	10	10	10	
RA	9	4	1	1	
MAX. SPEED	60	60	60	60	

TOPS CODE										
CARKND	AARKND			OPERATING PANEL						
H	A	A	H	A	A	S	0	3	7	9



TARE	14200 kg
CARRYING CAPACITY	32500 kg
CAPACITY	40.323 m <sup>3</sup>
MAX SPEED	60 mile/hr
WHEELS	1 092 DIA
JOURNALS	140 DIA ROLLER BEARINGS

BUFFERS	HYDRAULIC 330 DIA. HEADS
COUPLINGS	INSTANTER
MIN. CURVE	41m SINGLY, 46m CLOSE COUPLED.
GEN. ARRG. DRG. No.	DN 31940
BRAKE	AIR DISC & HAND LEVER
SUSPENSION	SINGLE LINK WITH 2 STAGE AUXILIARIES

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

ISSUE 1  
EX. B.R. DIAGRAM 156.

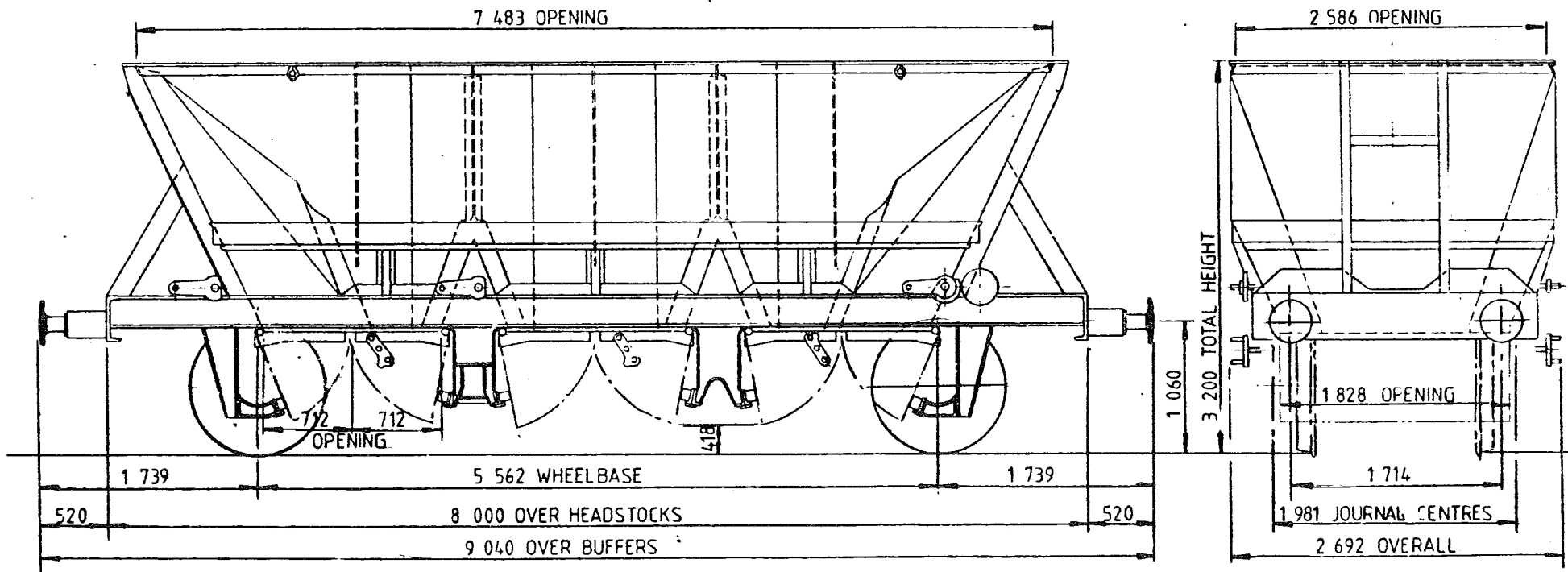
# 47 tonne G.L.W. HOPPER COAL WAGON

HA002F

LOT NUMBERS.				
3556	3686	3699	3720	PART 3887
3751	3788	3815	3844	3495 3864
PART 3528		PART 3574		3869 3882
PART 3575		PART 3646		3978 3984
PART 3647		PART 3670		

EXCESS LENGTH	H	M	L	E
tonnes	42	34	22	14
VB				
AB	10	10	10	10
RA	7	4	1	1
MAX SPEED	60	60	60	60

TOPS CODE				
CARKND	AARKND			OPERATING PANEL No.
H A A	H A A	T	3	8 1



TARE	14 500 kg
CARRYING CAPACITY	32 500 kg
CAPACITY	32.734 m <sup>3</sup>
MAX SPEED	60 mile/h
WHEELS	1 092 DIA
JOURNALS	5 1/2" OR 140 DIA ROLLER BEARINGS

BUFFERS	HYDRAULIC 330 DIA HEADS
COUPLINGS	INSTANTER
MIN. CURVE	41 m
GEN ARRGT. DRG No.	DN 31940
BRAKE	AIR DISC & HAND LEVER
SUSPENSION	SINGLE LINK WITH 2 STAGE AUXILIARIES

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

Issue 2.

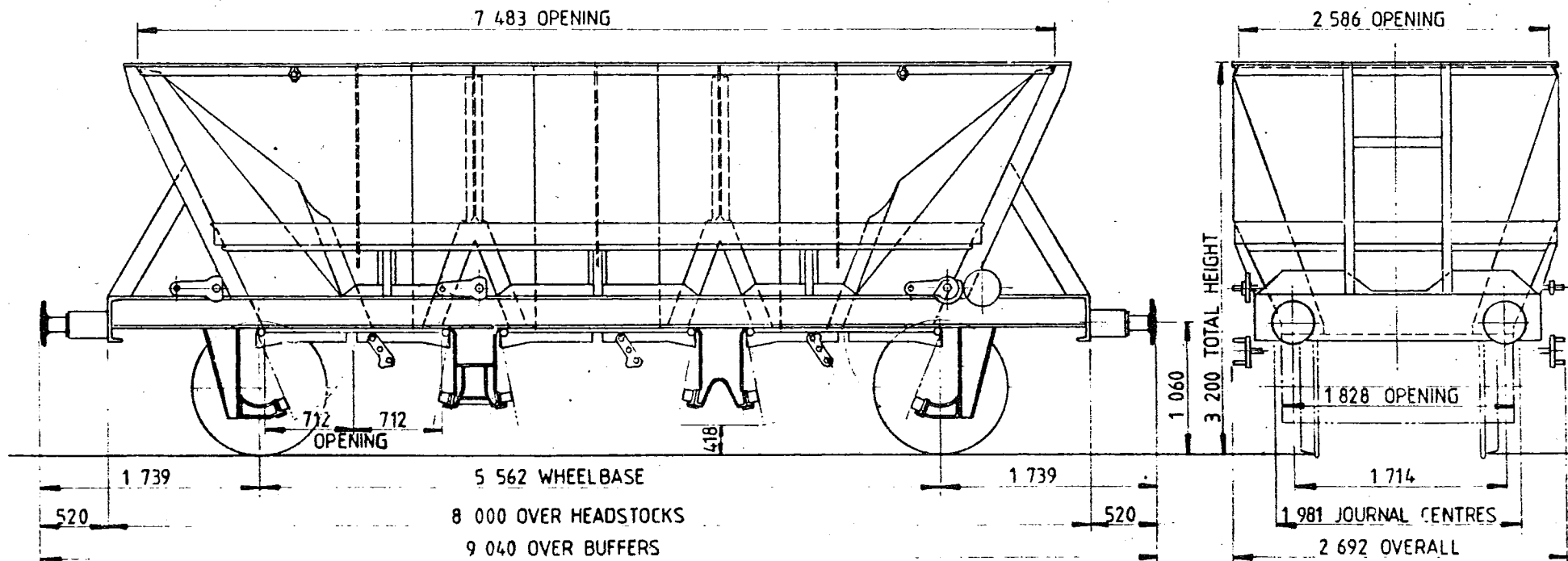
# 47 tonne G.L.W. HOPPER COAL WAGON

HA002H

LOT NUMBER
3078
3984
3997
PT 3887
3720

EXCESS LENGTH	5	H	M	L	E
tonnes	42	34	22	14	
VB					
AB	10	10	10	10	
RA	7	4	1	1	
MAX. SPEED	60	60	60	60	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
H	A	A	H	A	A
T			3	8	1



TARE -	14 500 kg
CARRYING CAPACITY -	32 500 kg
CAPACITY -	32.734 m <sup>3</sup>
MAX SPEED -	60 mile/h
WHEELS -	1 092 DIA
JOURNALS -	5½" OR 140 DIA ROLLER BEARINGS

BUFFERS	HYDRAULIC 330 DIA HEADS
COUPLINGS	INSTANTER
MIN CURVE -	41 m
GEN ARRGT. DRG No	F-S-13763
BRAKE -	AIR DISC & HAND LEVER
SUSPENSION -	SINGLE LINK WITH 2 STAGE AUXILIARIES

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

issue 3

EX B.R. DIAGRAM 156



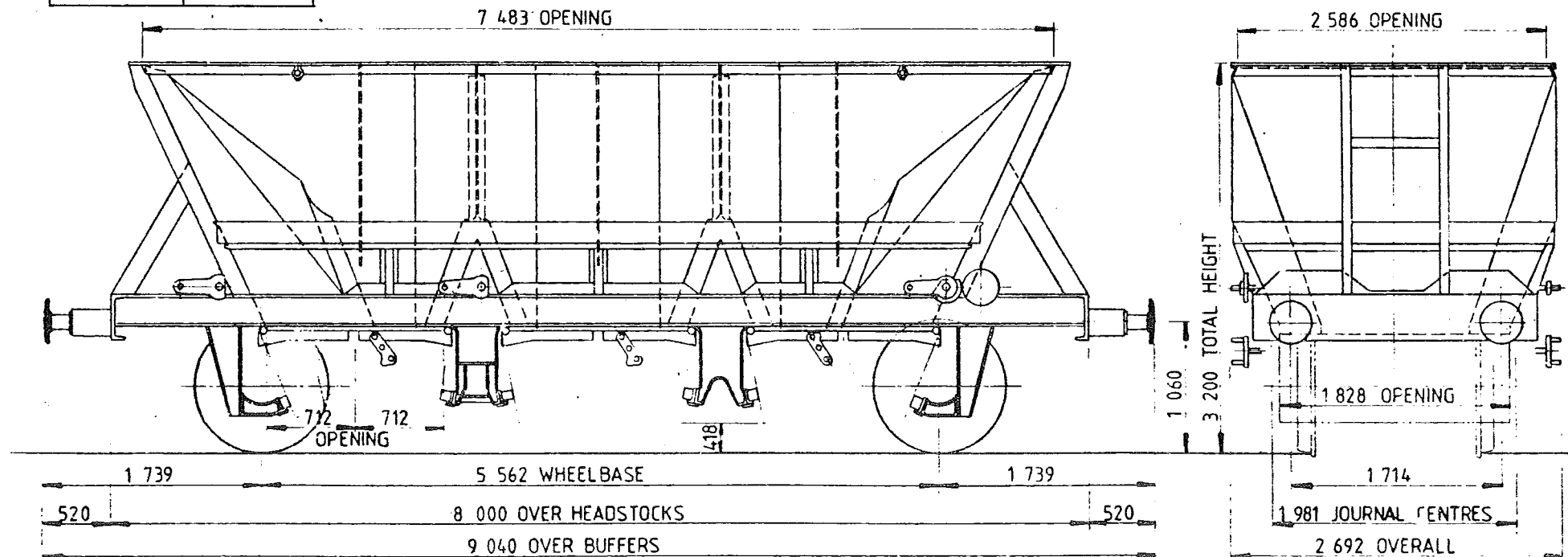
# 47 tonne G.L.W. HOPPER COAL WAGON

HA002K

LOT NUMBERS	
PT 3528	PT 3670
PT 3558	PT 3688
PT 3574	PT 3699
PT 3646	PT 3720
PT 3647	PT 3751
PT 3864	

EXCESS LENGTH	H	M	L	E
5 tonnes	42	34	22	14
VB				
AB	10	10	10	10
RA	7	4	1	1
MAX SPEED	60	60	60	60

TOPS CODE		
CARKND.	AARKND	OPERATING PANEL No
H A A	H A A V	3 8 1



TARE -	14 500 kg
CARRYING CAPACITY -	32 500 kg
CAPACITY -	32.734 m <sup>3</sup>
MAX SPEED -	60 mile/h
WHEELS -	1 092 DIA
JOURNALS -	5½ OR 140 DIA ROLLER BEARINGS

BUFFERS -	HYDRAULIC 330 DIA HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	41 m
GEN. ARRGT. DRG. No. -	F-S-13763
BRAKE -	AIR DISC & HAND LEVER
SUSPENSION -	SINGLE LINK WITH 2 STAGE AUXILIARIES

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

issue 2

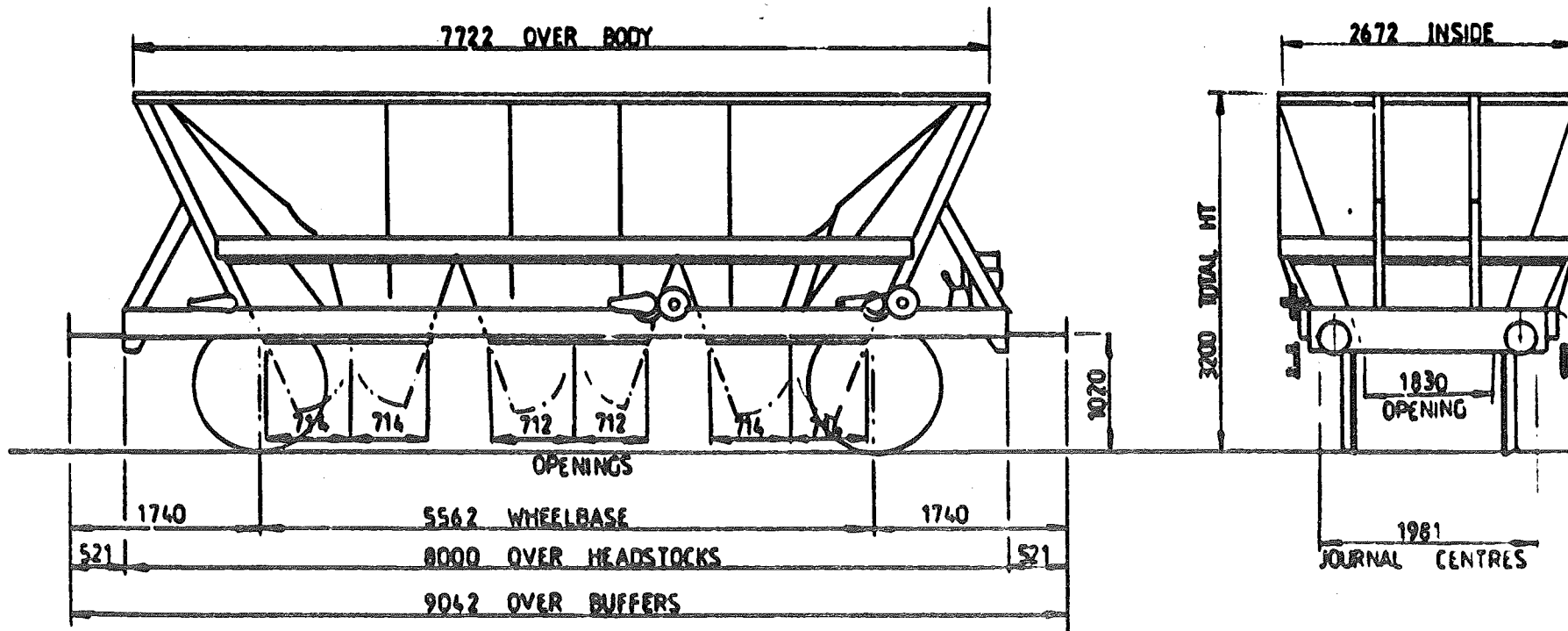
# HOPPER COAL WAGON

H0001A

W686

LOT NUMBER	
4008	

TOPS INFORMATION						
AARKND		OPERATING		OPERATING SPEED		BRAKE FORCE DATA
CARKND		PANEL NO.		60 mile/h UP TO		7t up to 34t GLW
H D A U				<del>mile/h ABOVE</del> 47 tonne GLW		20t above 34t GLW
						EXCESS LENGTH 5



TARE -	14250 kg (actual)
CAPACITY, WEIGHT -	32750 kg
CAPACITY, VOLUME -	32.7 m <sup>3</sup>
MIN. CURVE -	31 m
GEN. ARRGT. DRG. NO. -	C1-AO-9003833

BRAKE -	AIR DISC, HAND LEVER
SUSPENSION -	SINGLE LINK WITH EYEBOLT ADJUSTM'T
COUPLINGS -	INSTANTER
BUFFERS -	HYDRAULIC 330 DIA HEADS
WHEELS -	1092 DIA
JOURNALS -	140 DIA ROLLER BEARINGS

THE PROVISION OF BR CP/1 APPLY ADDITIONAL TO THE WS GAUGE

ISSUE 2

EX. BR. DIAGRAM

# HOPPER COAL WAGON

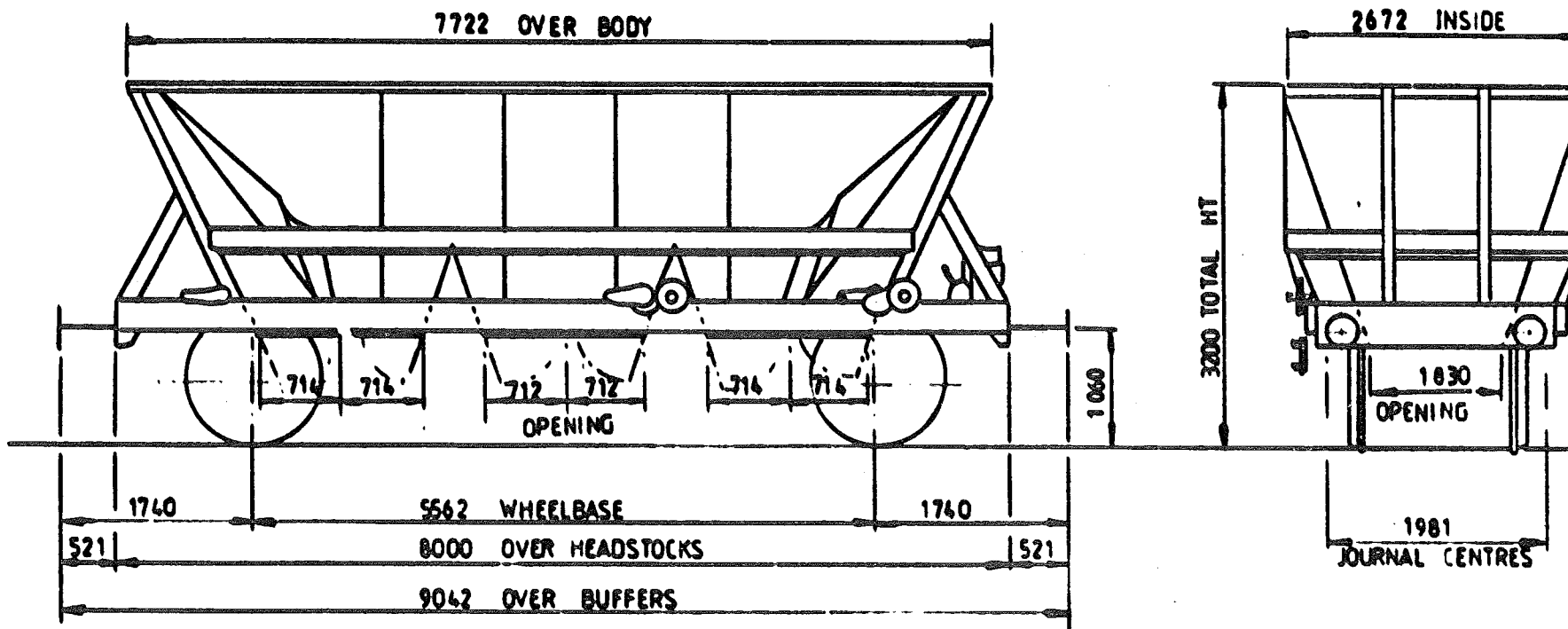
H0001B

W1026

LOT NUMBER	
	4008

TOPS INFORMATION					
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA	EXCESS LENGTH
CARKND	PANEL NO.	60 mile/h UP TO		7t up to 34 t GLW	5
H D A U		<del>mile/h</del> ABOVE 47 tonne GLW		20t above 34 t GLW	

G/P CHANGEOVER DISCONNECTED  
PERMANENTLY IN "GOODS" MODE



TARE -	16250 kg (actual)
CAPACITY, WEIGHT -	32 750 kg
CAPACITY, VOLUME -	32.7 m <sup>3</sup>
MIN. CURVE -	31m
GEN. ARR <sup>g</sup> . DRG. N <sup>o</sup> . -	C1-A0-9003833

BRAKE -	AIR DISC, HAND LEVER
SUSPENSION -	SINGLE LINK WITH EYEBOLT ADJUSTMENT
COUPLINGS -	INSTANTER
BUFFERS -	HYDRAULIC 330 DIA HEADS
WHEELS -	1092 DIA
JOURNALS -	140 DIA ROLLER BEARINGS

THE PROVISION OF BR CP/1 APPLY  
ADDITIONAL TO THE WS GAUGE

ISSUE 3

EX BR DIAGRAM

# HOPPER WAGON MINERAL.

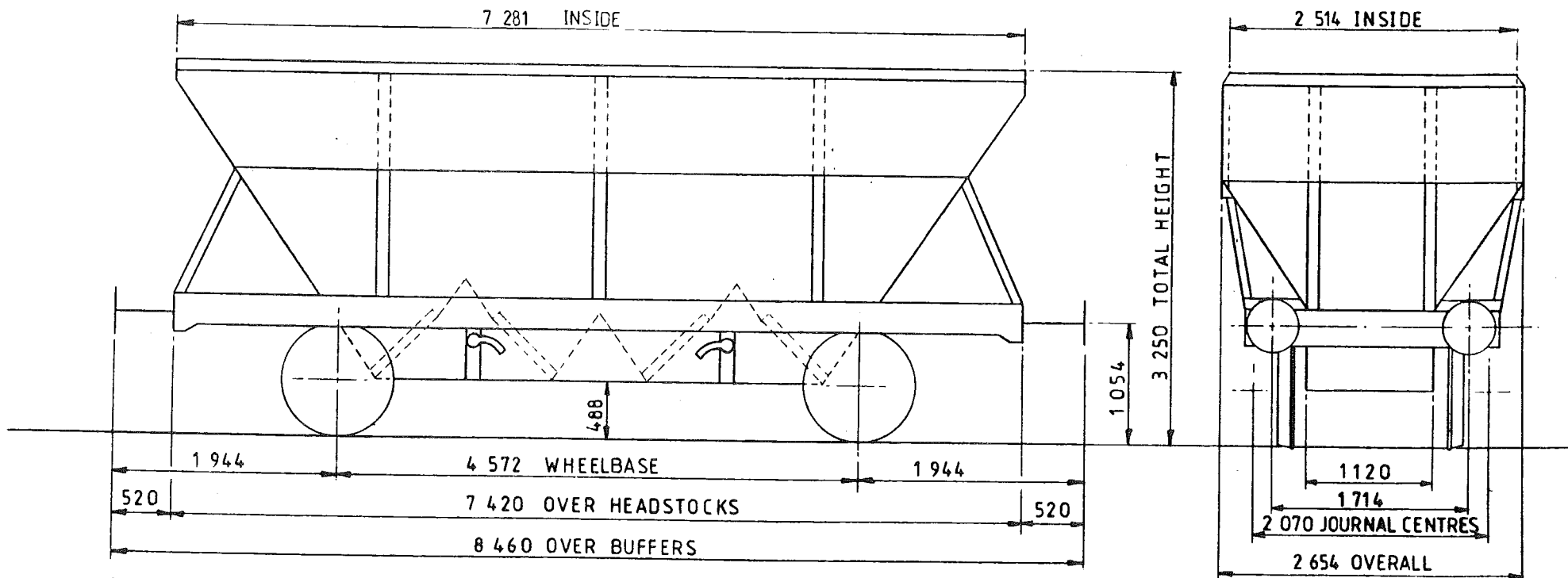
(46 tonnes G.L.W.)

HE 001A

LOT NUMBER
PART 3885

EXCESS LENGTH	4	H	M	L	E
tonnes	45	42	22	14	
VB					
AB	24	21	12	8	
RA	8	7	2	1	
MAX SPEED	60	60	60	60	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL N			
H	E	A	H	E	A
G	3	0	3	6	



TARE	13 200kg
CARRYING CAPACITY	32 500kg
CAPACITY	31 000m <sup>3</sup>
MAX. SPEED	60 mile/h
WHEELS	952 DIA.
JOURNALS	150 ROLLER BEARINGS

BUFFERS	HYDRAULIC	457 DIA. HEADS
COUPLINGS	INSTANTER	
MIN CURVE	31m	
GEN ARRGT. DRG. No.	F-A0-14311	
BRAKE	AIR DISC & HAND LEVER	
SUSPENSION	BR. FRICTION LINK, (BRUNINGHAUS)	

ISSUE 1

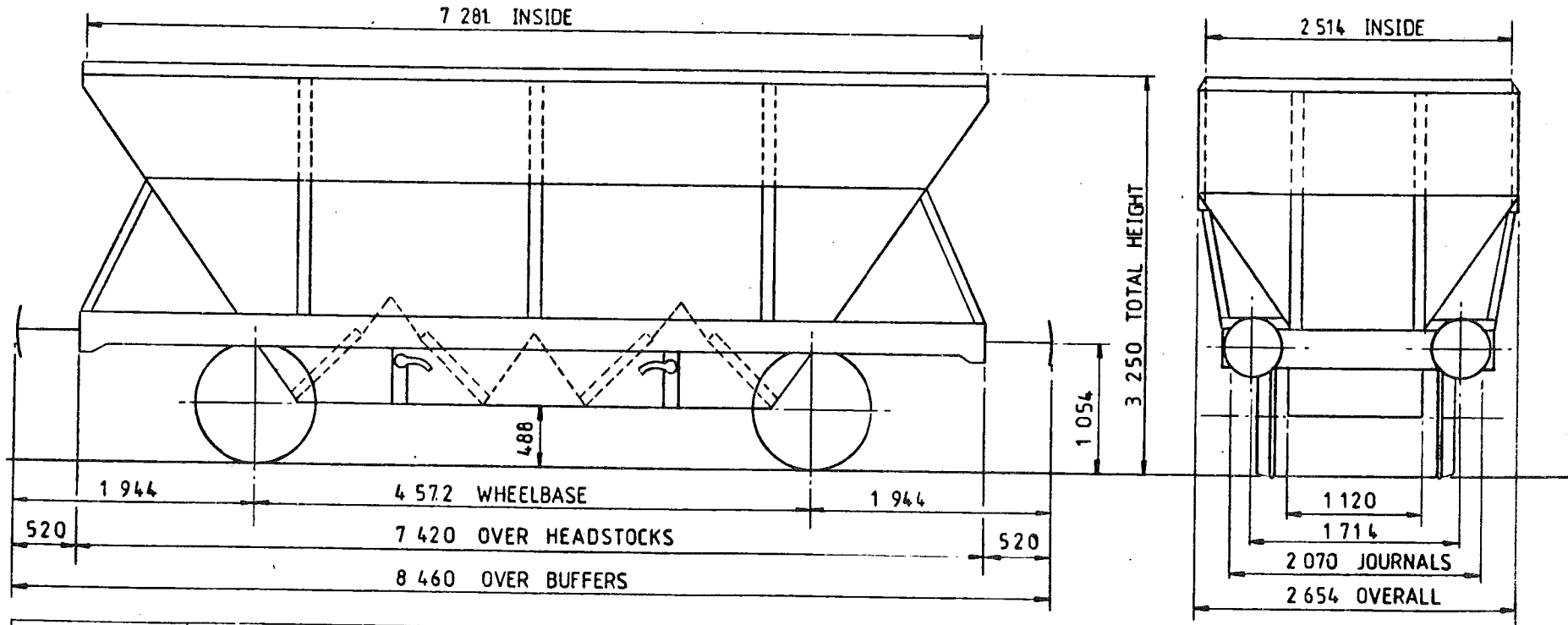
# 46 tonne G.L.W. HOPPER MINERAL WAGON

HE001C

LOT NUMBER
PART 3881
PART 3885

EXCESS LENGTH	4	H	M	L	E
tonnes	45	42	22	14	
VB					
AB	24	21	12	8	
RA	8	7	2	1	
MAX SPEED	60	60	60	60	

TOPS CODE										
CARKND	AARKND	OPERATION PARTS								
H	E	A	H	E	A	G	3	0	3	6



TARE - 13 200 Kg
CARRYING CAPACITY - 32 500 Kg
CAPACITY - 31 m <sup>3</sup>
MAX. SPEED 60 mile/h
WHEELS - $\phi$ 952
JOURNALS $\phi$ 150 ROLLER BEARINGS

BUFFERS - HYDRAULIC $\phi$ 457 HEADS
COUPLINGS INSTANTER
MIN CURVE 31m
GEN ARRGT DRG. No F-A0-11975
BRAKE - AIR DISC & HAND LEVER
SUSPENSION - TAPERLEAF

ISSUE 1

EX. BR DIAG 140

# HOPPER WAGON-COAL (46 tonnes G.L.W.)

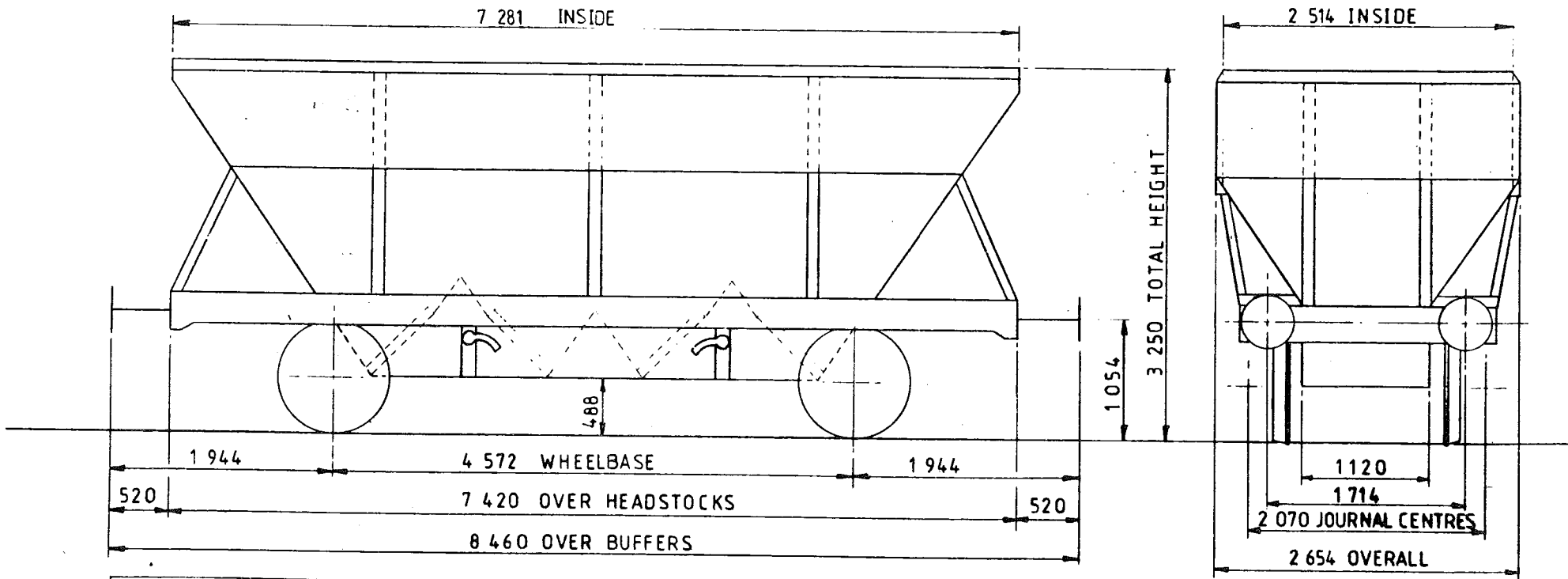
HE 001D

LÖT NUMBER
PART 3885

EXCESS LENGTH	4	H	M	L	E
tonnes	45	42	22	14	
VB					
AB	24	21	12	8	
RA	8	7	2	1	
MAX SPEED	60	60	60	60	

W1123

TOPS CODE					
CARKND	AARKND	OPERATING PANELS			
H	E	A	H	E	A
G	3	0	3	6	



TARE	13 200kg
CARRYING CAPACITY	32 500kg
CAPACITY	31 000m <sup>3</sup>
MAX. SPEED	60 mile/h
WHEELS	952 DIA.
JOURNALS	150 ROLLER BEARINGS

BUFFERS	HYDRAULIC	457 DIA. HEADS
COUPLINGS	INSTANTER	
MIN CURVE	31m	
GEN ARRGT. DRG No.	F-AO-14311	
BRAKE	AIR DISC & HAND LEVER	
SUSPENSION	BR. FRICTION LINK, (BRUNINGHAUS)	

G/P DISCONNECTED,  
PERMANENTLY IN 'GOODS' POS<sup>n</sup>

ISSUE 1

S

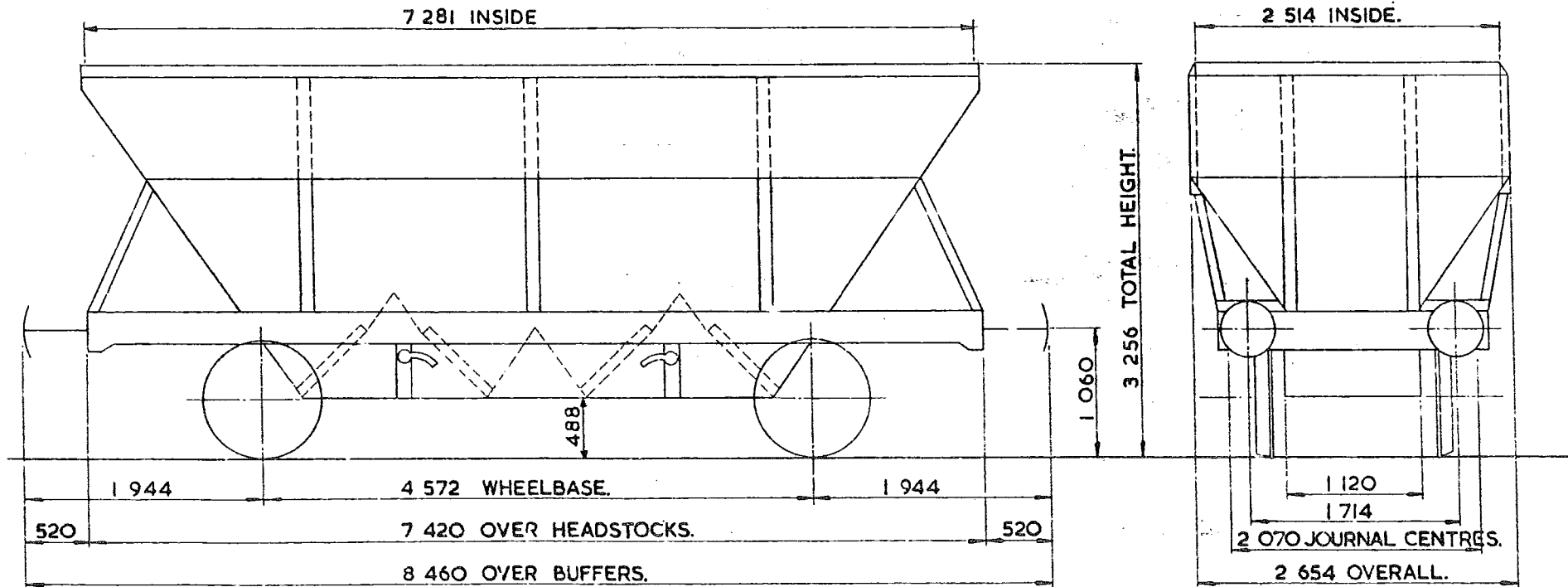
# 46 tonnes G.L.W. HOPPER-MINERAL

HE002A

LOT NUMBER
PART 3885

EXCESS LENGTH	4	H	M	L	E
tonnes	47	37	23	13	
VB					
AB	24	21	12	8	
RA	10	7	3	1	
MAX. SPEED	60	60	60	60	

TOPS CODE						
CARKND	AARKND	OPERATING PANEL No				
H	E	A	H	E	A	G
3	0	2	7			



TARE -	13 000kg.
CARRYING CAPACITY -	33 000kg
CAPACITY -	31.000m <sup>3</sup> .
MAX. SPEED -	60 mile/h.
WHEELS -	952 DIA.
JOURNALS -	150 DIA, ROLLER BEARINGS.

BUFFERS -	HYDRAULIC 475 DIA. HEADS
COUPLINGS -	INSTANTER.
MIN. CURVE -	31m.
GEN. ARRGT. DRG. No. -	F-AO-15840.
BRAKE -	AIR DISC & HAND LEVER.
SUSPENSION -	GLOUCESTER PEDESTAL.

NOTE.  
SUSPENSION CAPABLE OF  
51t G.L.W. CARRYING CAPACITY  
REDUCED TO BRING INTO LINE  
WITH HEA FLEET.

ISSUE 2.

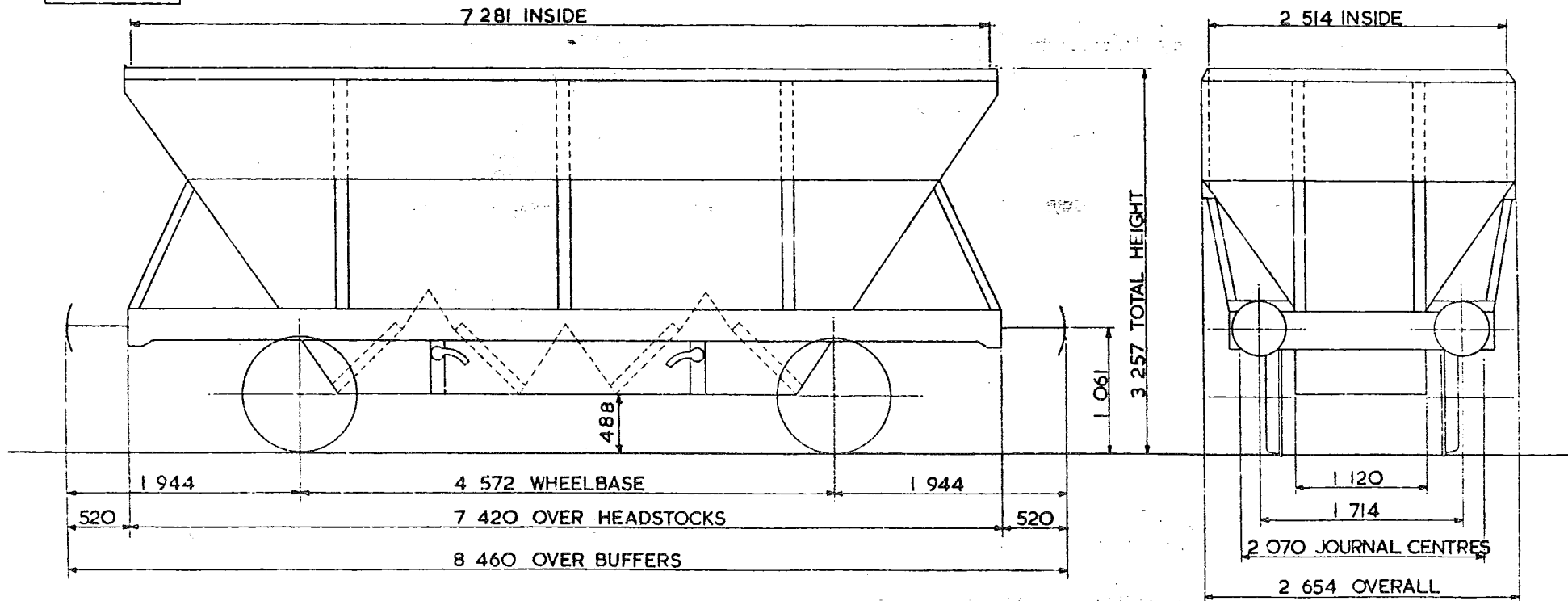
# 46 tonnes G.L.W. HOPPER MINERAL

HE002B

LOT NUMBER
PART 3885

EXCESS LENGTH	4	H	M	L	E
tonnes	47	37	23	13	
VB					
AB	24	21	12	8	
RA	10	7	3	1	
MAX. SPEED	60	60	60	60	

TOPS CODE										
CARKND	AARKND			OPERATING PANEL No						
H	E	A	H	E	A	G	3	0	2	7



TARE -	13 000 kg
CARRYING CAPACITY -	33 000 kg
CAPACITY -	31 000 m <sup>3</sup>
MAX. SPEED -	60 mile/h
WHEELS -	952 DIA.
JOURNALS -	150 DIA. ROLLER BEARINGS

BUFFERS -	HYDRAULIC 475 DIA. HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	31m
GEN. ARRGT DRG. No. -	F-AO-15988
BRAKE -	AIR DISC & HAND LEVER
SUSPENSION -	B.S.C. FRICTION PEDESTAL

NOTE  
SUSPENSION CAPABLE OF  
51t G.L.W. CARRYING CAPACITY  
REDUCED TO BRING INTO LINE  
WITH HEA FLEET.

ISSUE 2.



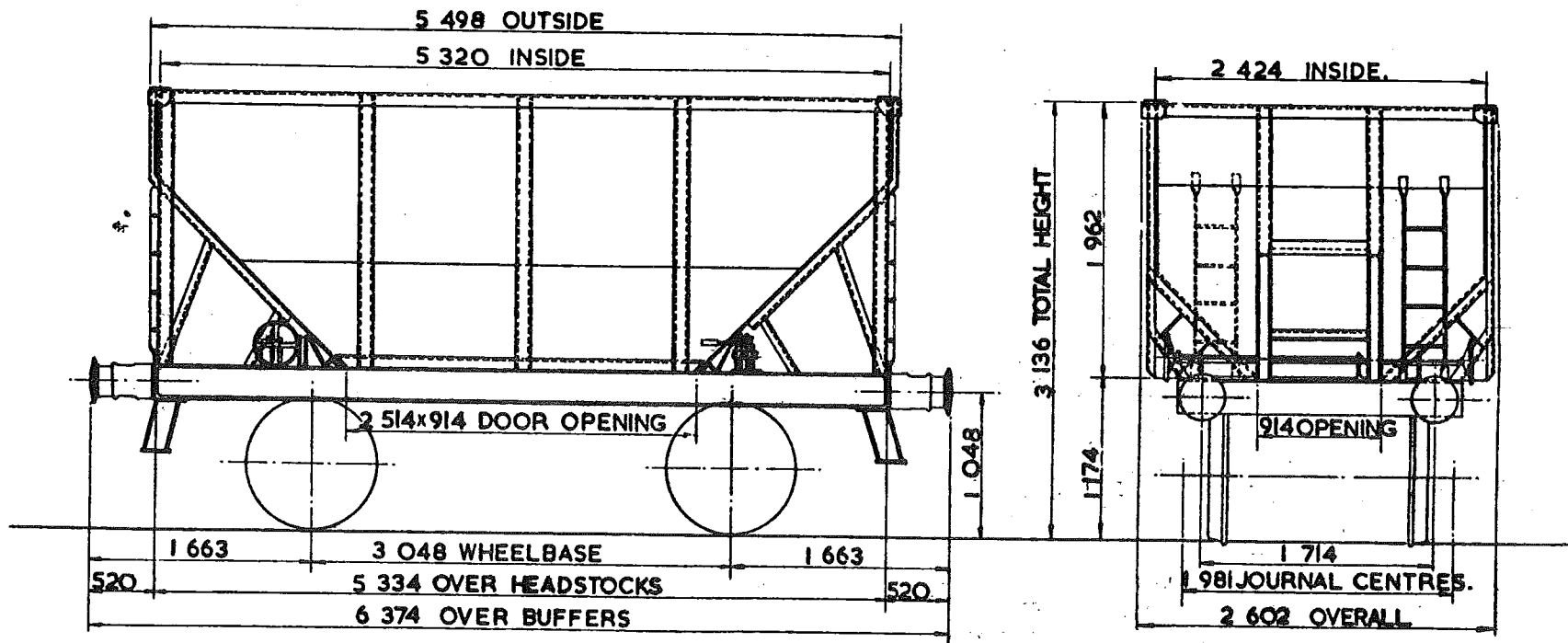
# HOPPER IRONSTONE WAGON

HJ002A

LOT NUMBER
PART 3142

EXCESS LENGTH	H	M	L	E
tonnes	35	26	17	11
VB	11	11	6	6
—AB—				
RA	4	2	1	1
MAX. SPEED	35	35	35	35

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
HJ	VH	JV	C	19	2



TARE - 10 550 kg
CARRYING CAPACITY - 25 500 kg
CAPACITY - 18.774 m <sup>3</sup>
MAX. SPEED - 35 mile/h.
WHEELS - 952 DIA.
JOURNALS - 228x127 PLAIN BEARINGS.

BUFFERS - SELF CONTAINED 330 DIA. HEADS.
COUPLINGS - B.R. SCREW.
MIN. CURVE - 21m.
GEN. ARRGT. DRG No. - DN 20928, DN 2968
BRAKE - VACUUM BLOCK & HAND LEVER.
SUSPENSION - SHOE.

issue 2

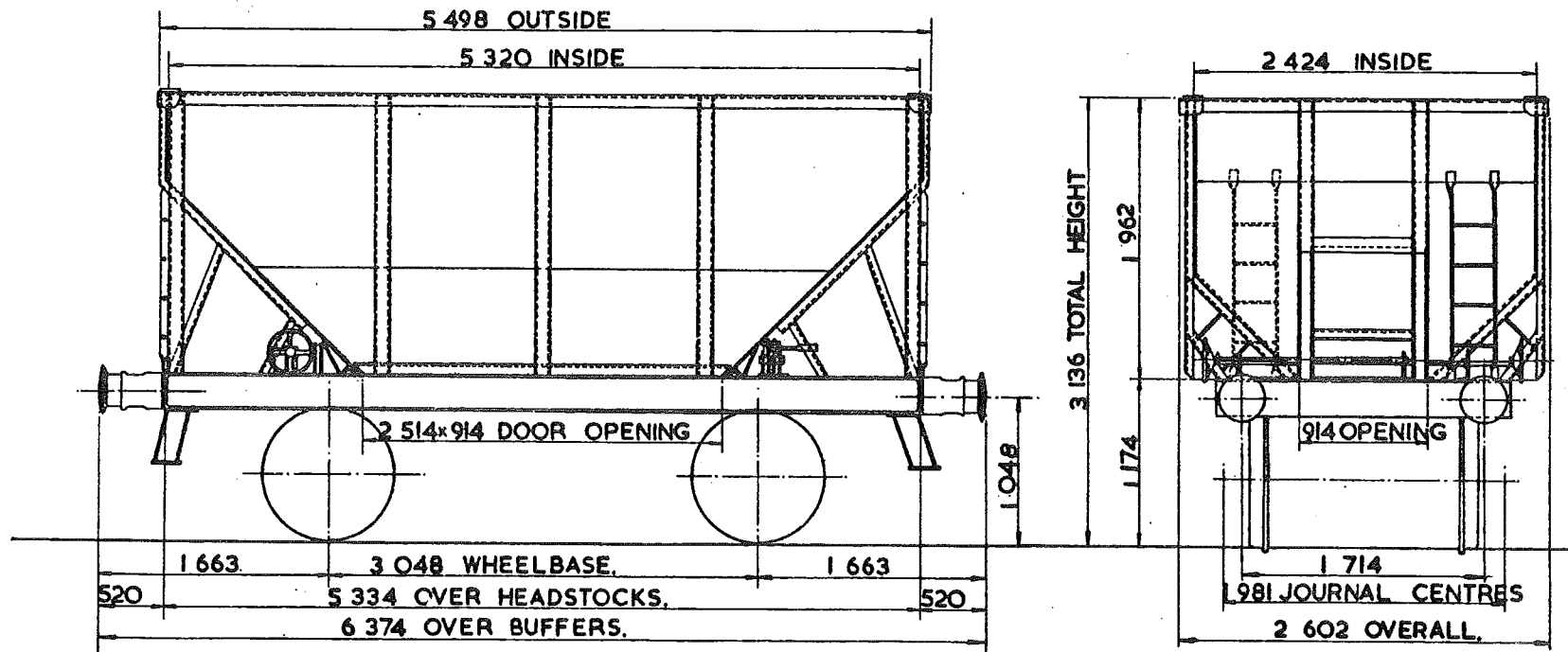
# HOPPER IRONSTONE WAGON

HJ002B

LOT NUMBER
PART 3189

EXCESS LENGTH	H	M	L	E
tonnes	35	26	17	11
VB	11	11	6	6
AB				
RA	4	2	1	1
MAX SPEED	35	35	35	35

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No.
HJ V	HJ V C	192



TARE - 9450kg
CARRYING CAPACITY - 25 000kg
CAPACITY - 18.774 m <sup>3</sup>
MAX. SPEED - 35 mile/h.
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS.

BUFFERS - SELF CONTAINED 330 DIA. HEADS
COUPLINGS - B.R. SCREW.
MIN. CURVE - 21 m.
GEN. ARRGT. DRG.No. DN 20928, DN 20965
BRAKE - VACUUM BLOCK & HAND LEVER.
SUSPENSION - SHOE.

issue 2

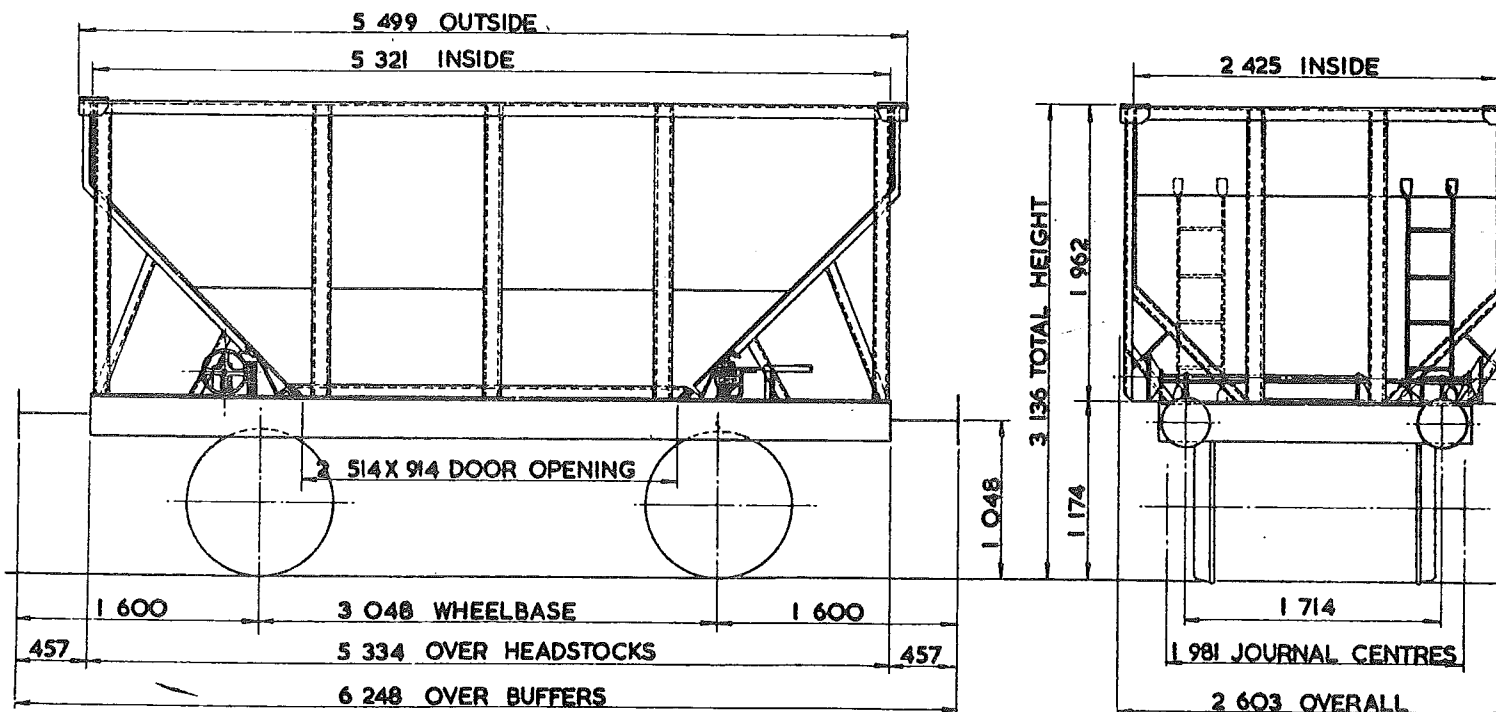
# HOPPER IRONSTONE WAGON

HJ002D

LOT NUMBER
PART 2733
PART 3001

EXCESS LENGTH	H	M	L	E
tonnes	35	26	17	11
VB	11	11	6	6
AB				
RA	4	2	1	1
MAX. SPEED	35	35	35	35

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
HJ	VH	JV	CV	1	92



TARE - 11 100 kg
CARRYING CAPACITY - 25 000 kg
CAPACITY - 18.774 m <sup>3</sup>
MAX. SPEED - 35 mile/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - SELF CONTAINED 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21 m
GEN. ARRGT. DRG. No. - DN 31031
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE

issue 2

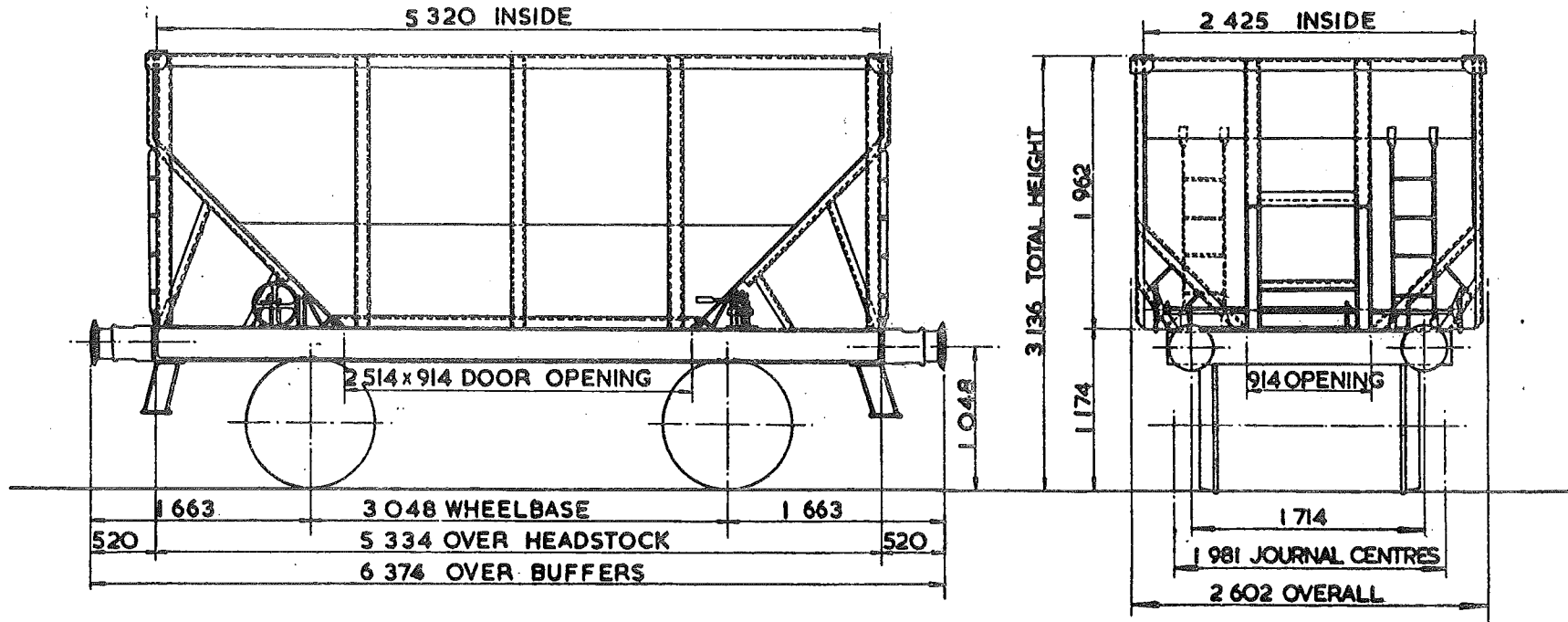
# HOPPER IRONSTONE WAGON

# HK002A

LOT NUMBER
PART 3142

EXCESS LENGTH	H	M	L	E
tonnes	45	32	20	11
VB	11	11	6	6
AB				
RA	84	53	2	11
MAX. SPEED	35	35	35	35

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No.
H	K	100



TARE - 10 600 kg.
CARRYING CAPACITY - 34 000 kg
CAPACITY - 18.774 m <sup>3</sup>
MAX. SPEED - 35 mph/h.
WHEELS - 952 DIA.
JOURNALS - 5 1/2 DIA. ROLLER BEARINGS.

BUFFERS - SELF CONTAINED 330 DIA. HEADS
COUPLINGS - B.R. SCREW
MIN. CURVE - 21m
GEN. ARRGT. DRG No. - DN 20928, DN 21968.
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE.

issue 2

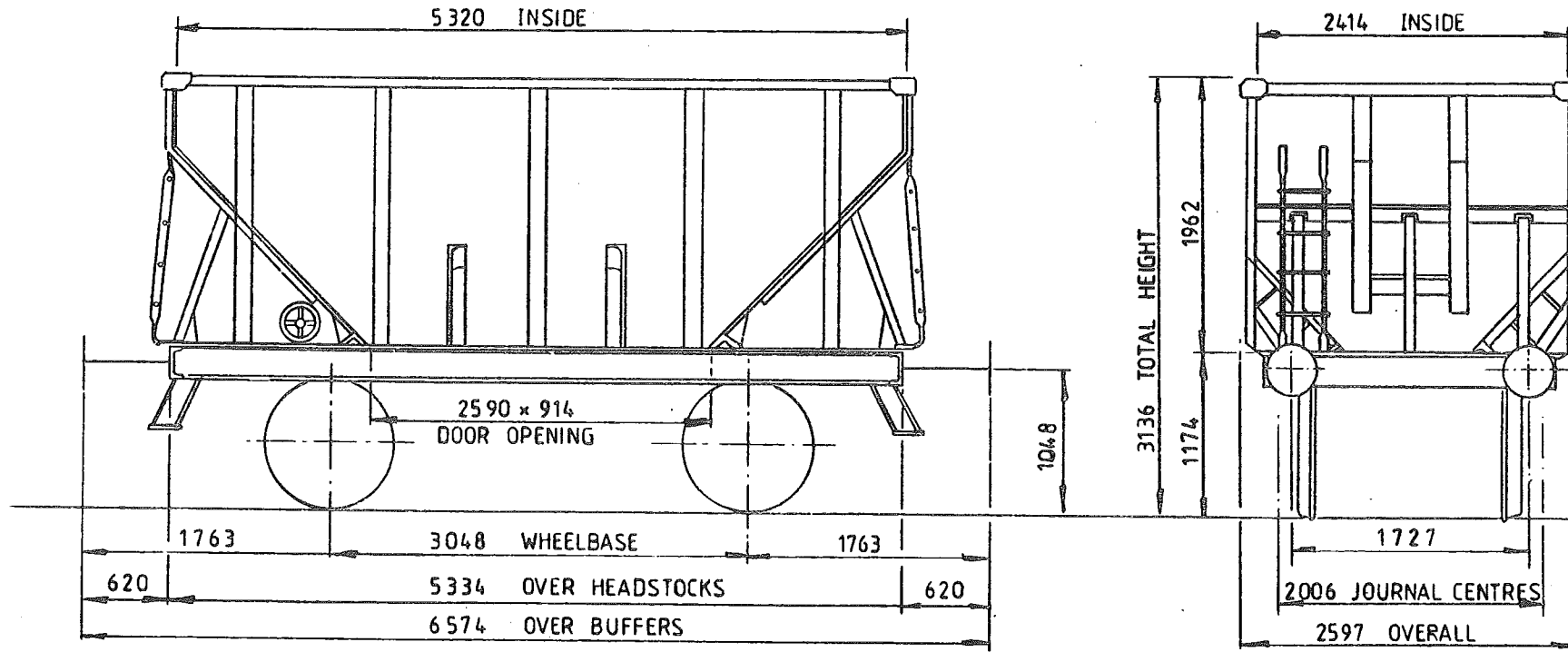
# HOPPER IRONSTONE WAGON

HK003B

LOT NUMBER
PART 3002

EXCESS LENGTH	H	M	L	E
tonnes	45	32	20	12
VB	15	15	6	6
AB				
RA	8	5	2	1
MAX. SPEED	35	35	35	35

TOPS CODE										
CARKND			AARKND			OPERATING PANEL No				
H	K	V	H	J	K	V	0	1	9	4



TARE -	11550 kg
CARRYING CAPACITY -	34 000 kg
CAPACITY -	18.776 m <sup>3</sup>
MAX. SPEED -	35 mile/h
WHEELS -	952 DIA
JOURNALS -	ROLLER BEARINGS

BUFFERS -	SELF CONTAINED 457 DIA HEADS
COUPLINGS -	INTERNATIONAL SCREW
MIN. CURVE -	21m
GEN. ARRGT. DRG No. -	DN 21792
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	SHOE

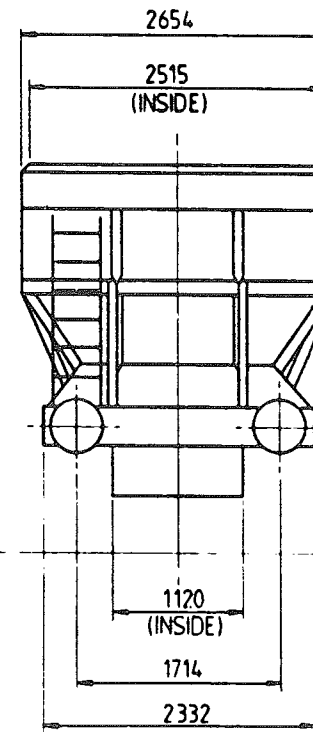
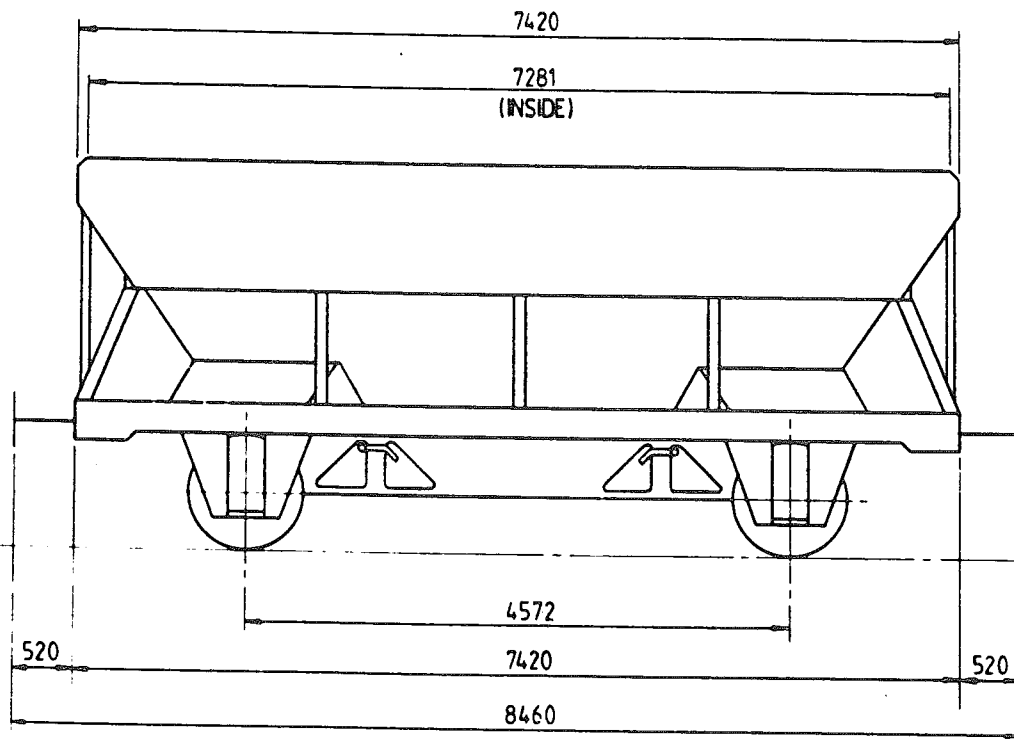
ISSUE 1

EX BR DIAGRAM 167

LOT NUMBER	

TOPS INFORMATION						
AARKND	OPERATING PANEL No.		OPERATING SPEED	BRAKE FORCE DATA		EXCESS LENGTH
CARKND			60 mile/h UP TO mile/h ABOVE	46 tonne GLW	VARIABLE LOAD:- 0.6 + (0.52 * t)	6
H S A A						9
						DESIGN SHEET W1819

BOTTOM DOORS SEALED



TARE-	18000kg
CAPACITY, WEIGHT-	28000kg
CAPACITY, VOLUME-	31000m <sup>3</sup>
MIN. CURVE-	31m
GEN. ARRGT. DRG. NO.-	

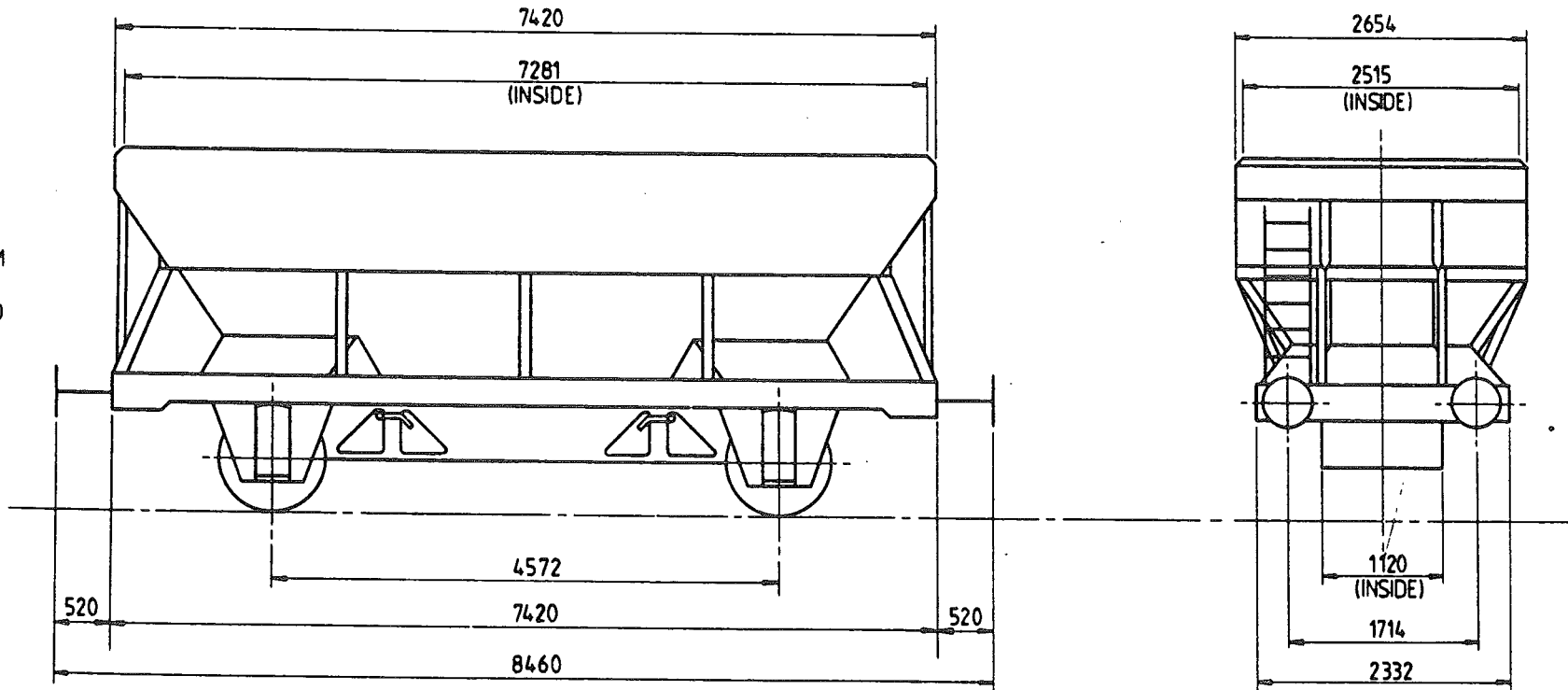
BRAKE-	AIR DISC & HAND LEVER
SUSPENSION-	BR FRICTION LINK
COUPLINGS-	INSTANTER
BUFFERS-	HYDRAULIC 457 DIA HEADS
WHEELS-	952 DIA.
JOURNALS-	150 DIA. ROLLER BEARINGS

ISSUE 1

LOT NUMBER	

TOPS INFORMATION										
AARKND		OPERATING		OPERATING SPEED		BRAKE FORCE DATA		EXCESS LENGTH	RA (GLW)	DESIGN SHEET
CARKND		PANEL No.		60 mile/h UP TO <del>mile/h ABOVE</del>		VARIABLE LOAD:- 0.6 + (0.52 * t)		4	9	W1820
H	S	A	A							

BOTTOM  
DOORS  
SEALED



TARE-	18000kg
CAPACITY, WEIGHT-	28000kg
CAPACITY, VOLUME-	31000m <sup>3</sup>
MIN. CURVE-	31m
GEN. ARRGT. DRG. NO.-	

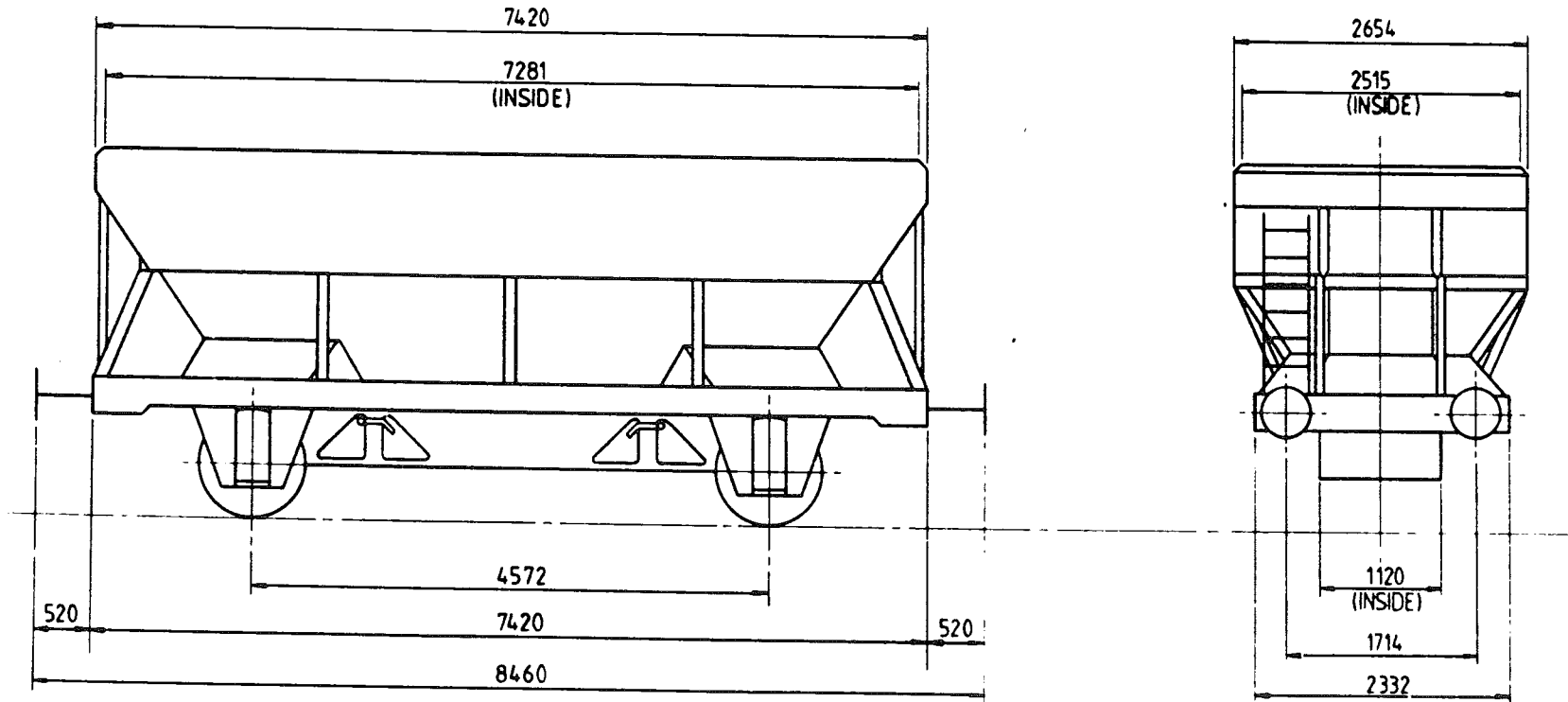
BRAKE-	AIR DISC & HAND LEVER
SUSPENSION-	TAPERLEAF
COUPLINGS-	INSTANTER
BUFFERS-	HYDRAULIC 457 DIA. HEADS
WHEELS-	952 DIA.
JOURNALS-	150 DIA. ROLLER BEARINGS

ISSUE 1

LOT NUMBER	

TOPS INFORMATION												
AARKND		OPERATING		OPERATING SPEED		BRAKE FORCE DATA		EXCESS LENGTH	RA (GLW)	DESIGN SHEET		
CARKND		PANEL No.		60 mile/h UP TO mile/h ABOVE		46 tonne GLW		VARIABLE LOAD:- 0.6 + (0.52 * t)		4	9	W1821
H	S	A	A									

BOTTOM  
DOORS  
SEALED



TARE-	18000kg
CAPACITY, WEIGHT-	28000kg
CAPACITY, VOLUME-	31000m <sup>3</sup>
MIN. CURVE-	31m
GEN. ARRGT. DRG. NO.-	

BRAKE-	AIR DISC & HAND LEVER
SUSPENSION-BR	FRICITION LINK
COUPLINGS-	INSTANTER
BUFFERS-	HYDRAULIC 457 DIA HEADS
WHEELS-	952 DIA.
JOURNALS-	150 DIA ROLLER BEARNGS

ISSUE 1



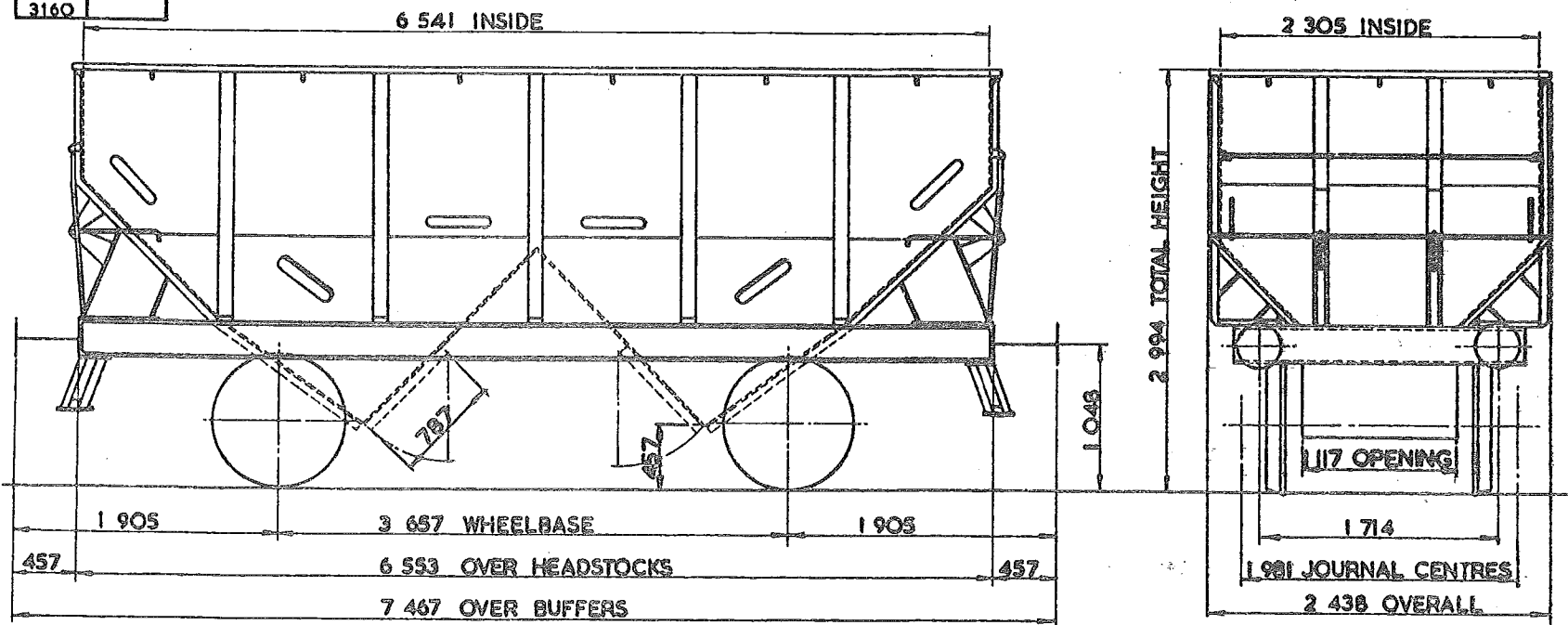
# HOPPER COAL WAGON

HT004 D

LOT NUMBER	
PART 3013	PART 3030
PART 3031	PART 3032
PART 3033	PART 3035
PART 3036	PART 3037
PART 3045	PART 3157
PART 3158	PART 3159
PART 3160	

EXCESS LENGTH 2	H	M	L	E
tonnes	29	22	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.			
H	T	V	H	T	V	D			55



TARE - 9,450 kg
CARRYING CAPACITY - 21,500 kg
CAPACITY - 23,000 m <sup>3</sup>
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26 m
GEN. ARRGT. DRG. No. - SW / DN 19678
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE

ISSUE 2

EX. BR. DIAGRAM 146

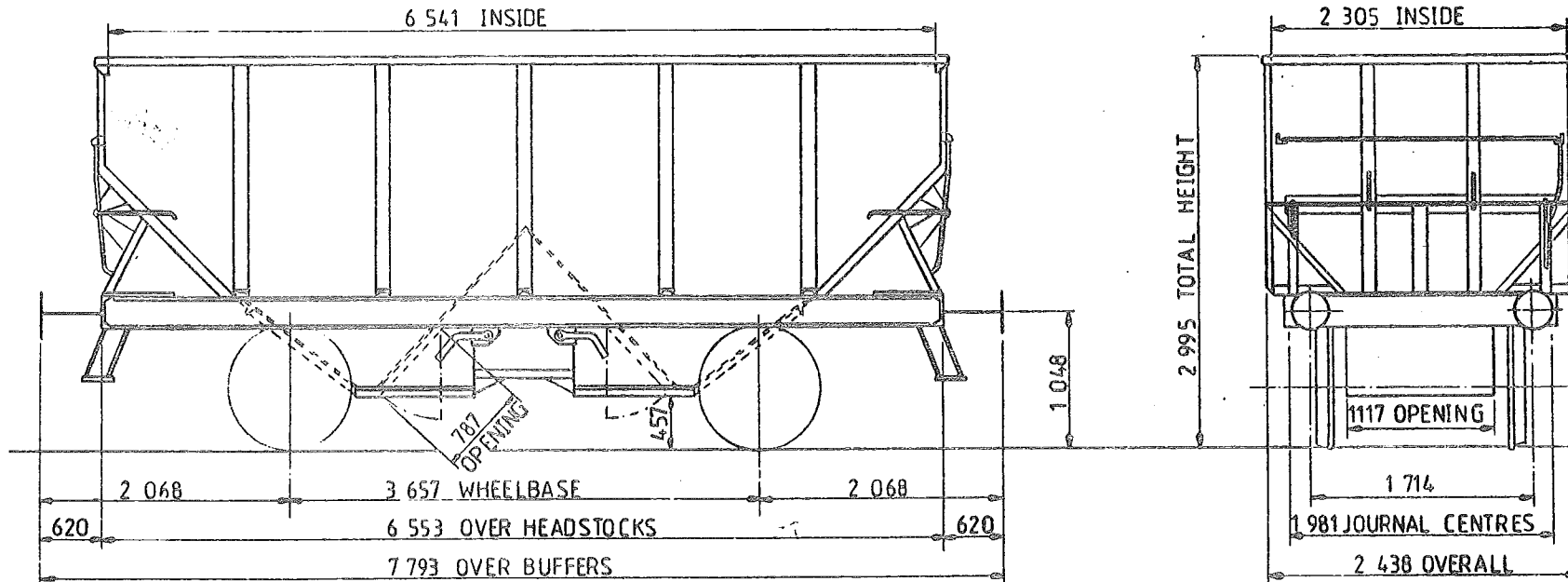
# HOPPER COAL WAGON

# HT006B

LOT NUMBER
PART 3120

EXCESS LENGTH	2	H	M	L	E
tonnes	29	22	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.		
H T V	H T V	D		5	5



TARE	9550 kg
CARRYING CAPACITY	21 500 kg
CAPACITY	23.928 m <sup>3</sup>
MAX. SPEED	50 mile/h
WHEELS	952 DIA
JOURNALS	124 ROLLER BEARINGS

BUFFERS	- SELF CONTAINED 330 DIA. HEADS
COUPLINGS	- INTERNATIONAL SCREW
MIN. CURVE	- 26m
GEN. ARRGT. DRG. No.	- SW/DN/21934 & 22044
BRAKE	- VACUUM BLOCK & HAND LEVER
SUSPENSION	- SHOE

issue 1

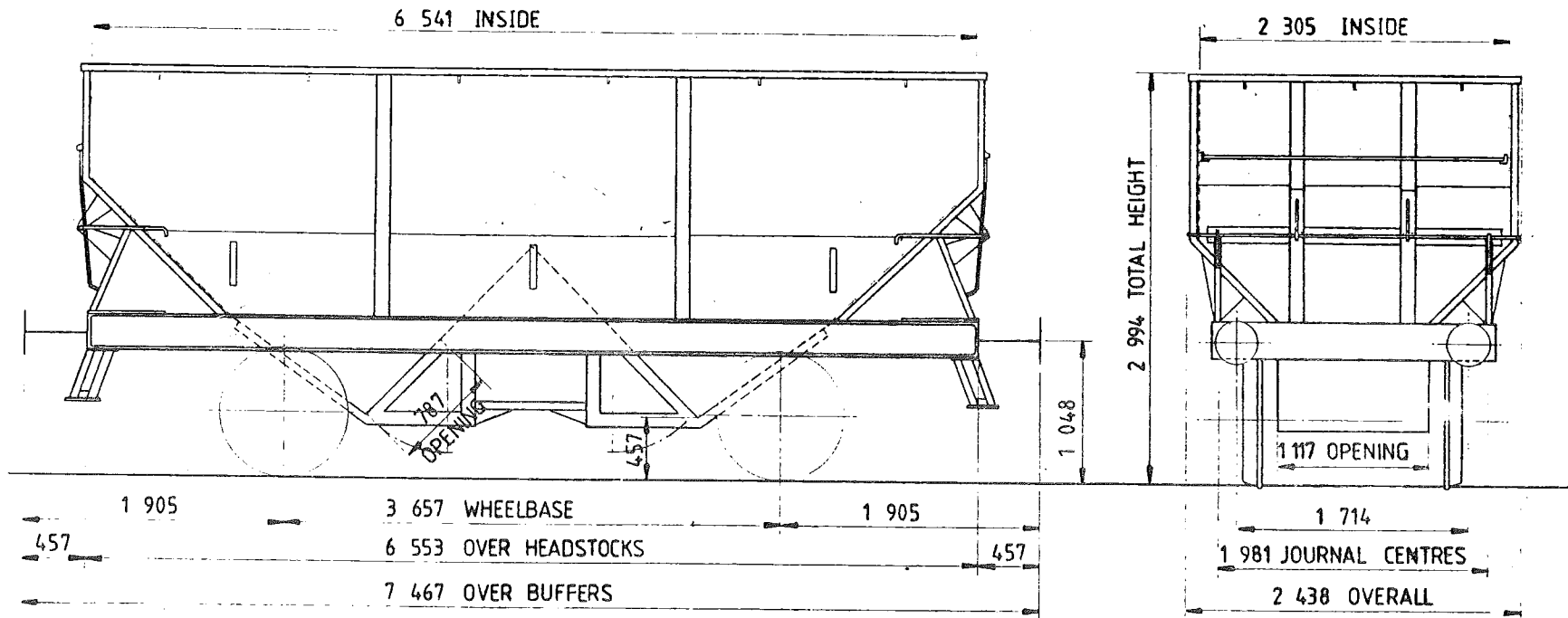
# HOPPER COAL WAGON

HT 018C

PART LOT NUMBER		
2330	2933	2932
2552	2934	2954
2713	2935	3033
2726	3013	3037
2731	3045	

EXCESS LENGTH	2	H	M	L	E
tonnes		29	22	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	
H	T	V	H	T	V
				5	5



TARE - 9 450 kg
CARRYING CAPACITY - 21 500 kg
CAPACITY - 25 600 m <sup>3</sup>
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA
JOURNALS - 254x127 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26m
GEN. ARRGT. DRG. No. - F-S- 2246
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE

ISSUE 1.

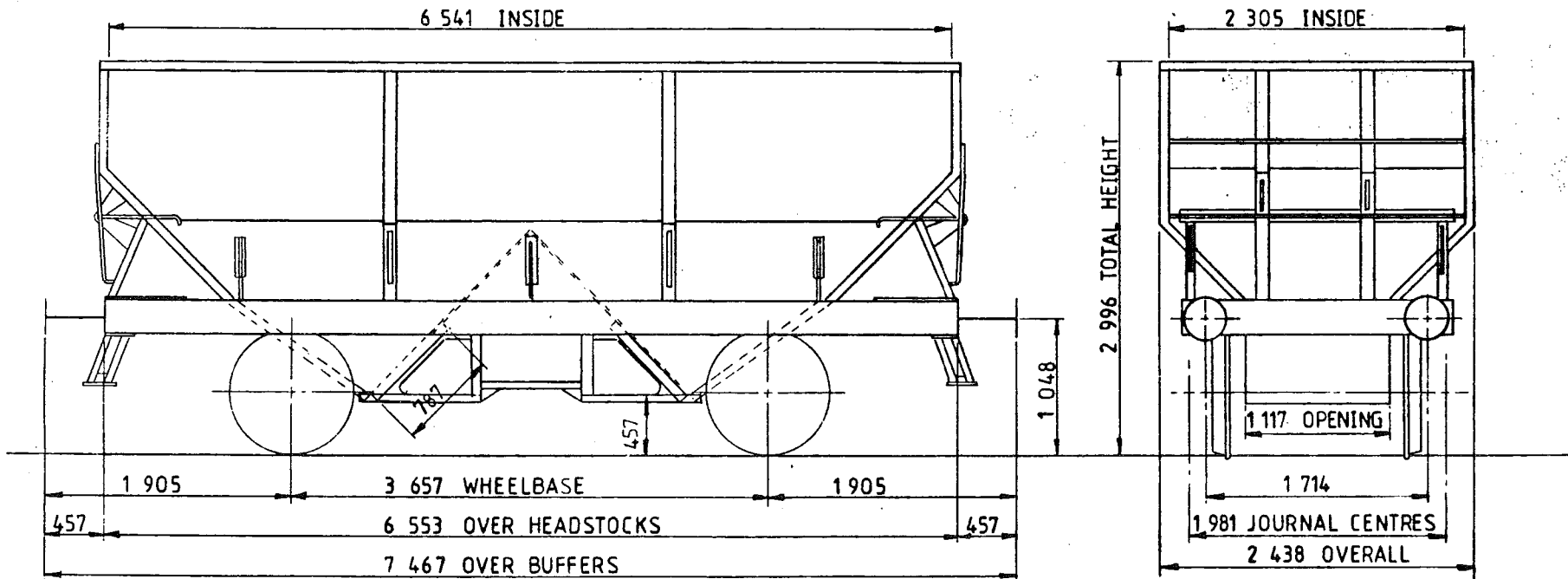
# HOPPER COAL WAGON

HT 018 D

PART LOT		3120	3034
NUMBER			
2330	2552	2713	2726
2731	2932	2933	2934
2935	2954	3013	3030
3031	3032	3033	3035
3036	3037	3045	3157

EXCESS LENGTH	2	H	M	L	E
tonnes		29	22	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.	
H	T	V	H	V	R
				5	5



TARE	9 450 kg
CARRYING CAPACITY	21 500 kg
CAPACITY	25 <sup>603</sup> m <sup>3</sup>
MAX. SPEED	50 mile/h
WHEELS	952 DIA.
JOURNALS	124 DIA ROLLER BEARINGS

BUFFERS	SPINDLE 330 DIA. HEADS
COUPLINGS	INSTANTER
MIN. CURVE	26 m.
GEN. ARRGT. DRG. No.	SW/DN/19676 & F-S-2246
BRAKE	VACUUM BLOCK & HAND LEVER
SUSPENSION	SHOE

issue 1

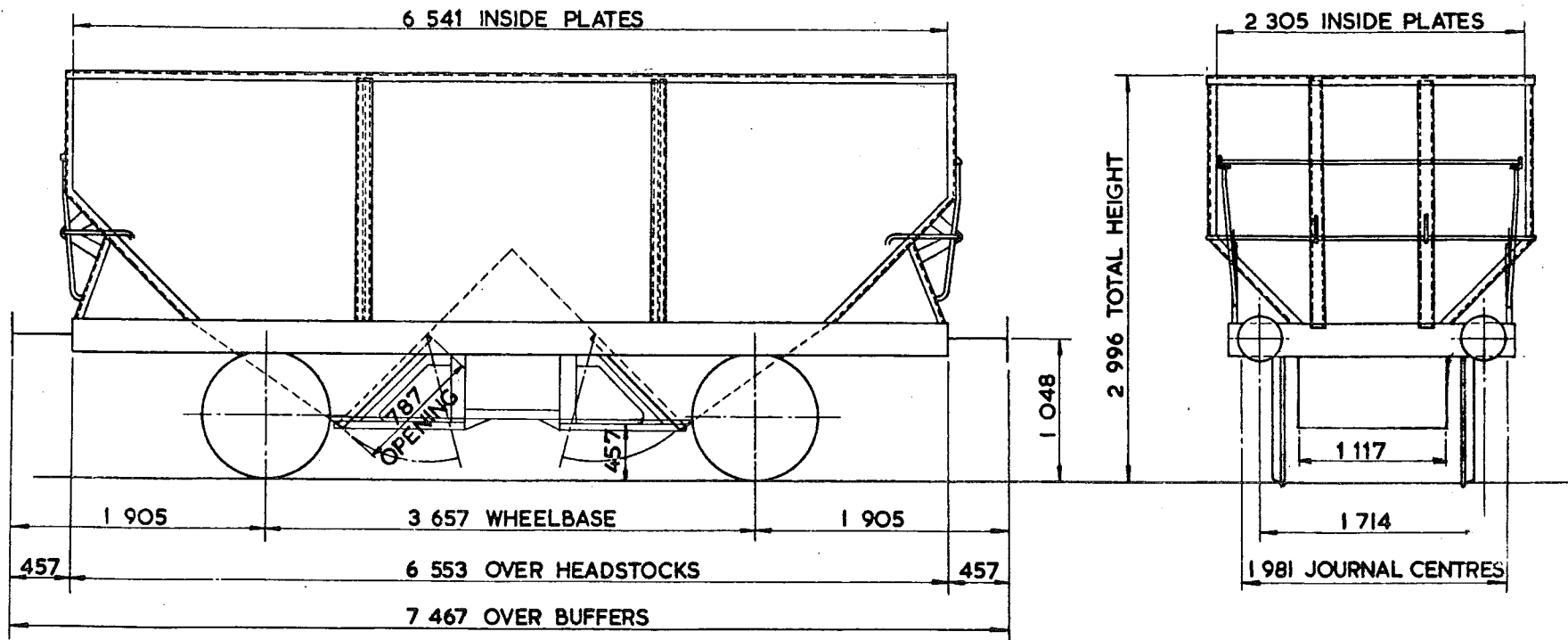
# HOPPER COAL WAGON

HT 019 B

LOT NUMBER
EX 2052
EX 2053
EX 2054

EXCESS LENGTH	2	H	M	L	E
tonnes	29	22	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.			
H	T	V	H	T	V
					R
					5 5



TARE -	9800 kg
CARRYING CAPACITY-	21 500 kg
CAPACITY-	23.928 m <sup>3</sup>
MAX. SPEED -	50 mile/h
WHEELS -	952 DIA.
JOURNALS-	124 DIA. ROLLER BEARINGS

BUFFERS -	SPINDLE 330 DIA. HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	26 m.
GEN. ARRGT. DRG. No. -	F-S-2246
BRAKE -	HAND LEVER & VAC BRAKE
SUSPENSION -	SHOE

ISSUE 1

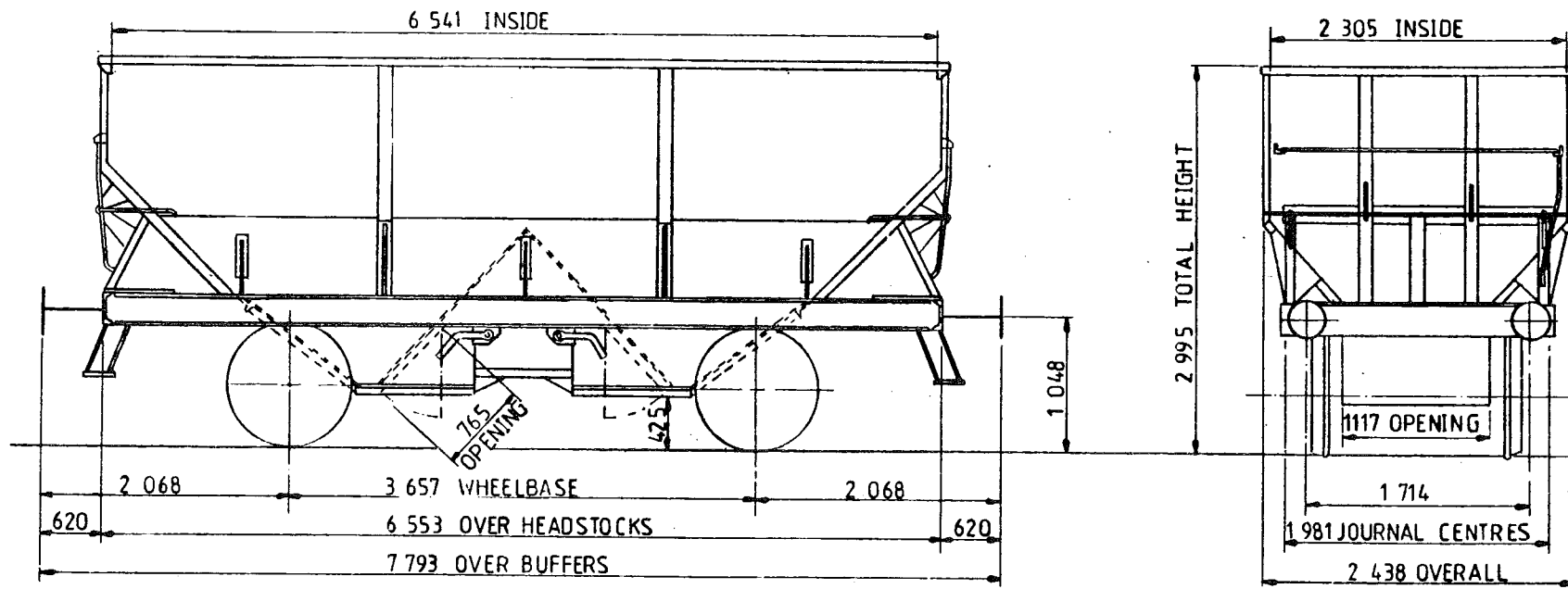
# HOPPER COAL WAGON

HT021B

LOT NUMBER
PART 3120

EXCESS LENGTH	2	H	M	L	E
tonnes	29	22	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 N.		
HTV	HTV	R		5	5



TARE	9550 kg
CARRYING CAPACITY	21500kg
CAPACITY	23.9 m <sup>3</sup>
MAX. SPEED	50 mile/h
WHEELS	952 DIA
JOURNALS	124 ROLLER BEARINGS

BUFFERS	SELF CONTAINED 330 DIA.HEADS
COUPLINGS	INTERNATIONAL SCREW
MIN. CURVE	26m
GEN. ARRGT. DRG. No.	SW/DN/21934 & F-S-2246
BRAKE	VACUUM BLOCK & HAND LEVER
SUSPENSION	SHOE

issue 1

EX. B.R. DIAGRAM 149 (REBODIED HT 006B)

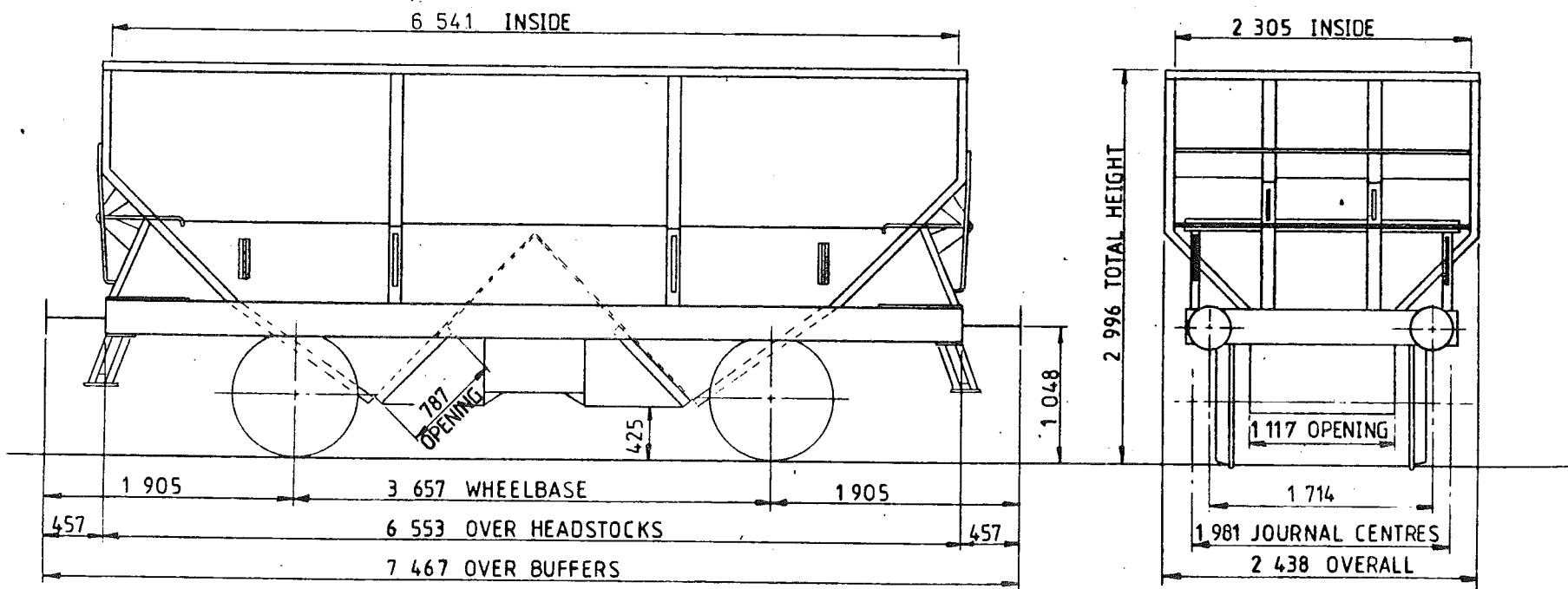
# HOPPER COAL WAGON

HT 031 M

PART LOT NUMBER	
3916	

EXCESS LENGTH	2	H	M	L	E
tonnes	29	22	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.		
H	T	V	H	T	V
				5	5



TARE	9 450 kg
CARRYING CAPACITY	21 500 kg
CAPACITY	25 900 m <sup>3</sup>
MAX. SPEED	50 mile/h
WHEELS	952 DIA.
JOURNALS	124 DIA ROLLER BEARINGS

BUFFERS	SPINDLE 330 DIA. HEADS
COUPLINGS	INSTANTER
MIN. CURVE	26 m.
GEN. ARRGT DRG No.	SW/DN/19676 & F-S-2246
BRAKE	VACUUM BLOCK & HAND LEVER
SUSPENSION	SHOE

ISSUE 1

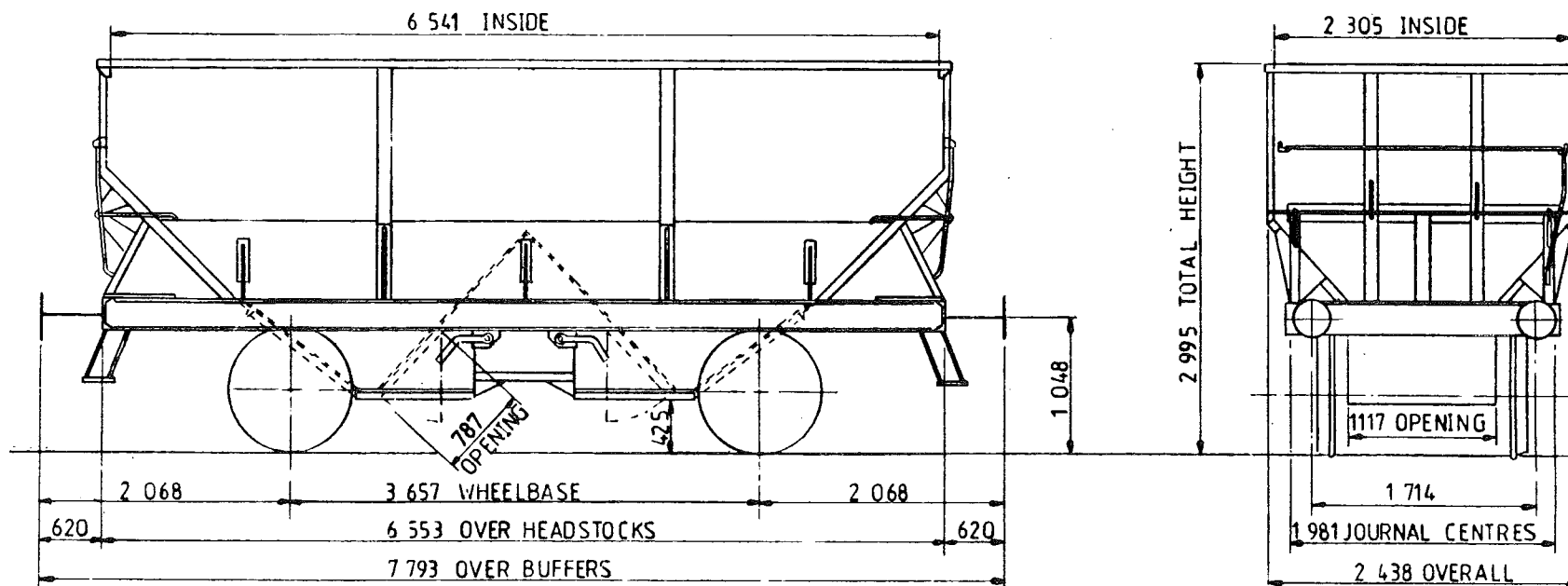
# HOPPER COAL WAGON

HT031N

LOT NUMBER
PART 3916

EXCESS LENGTH	2	H	M	L	E
tonnes	29	22	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		
HTV	HTV	R		5	5



TARE	9550 kg
CARRYING CAPACITY	21500 kg
CAPACITY	23,000 m <sup>3</sup>
MAX SPEED	50 mile/h
WHEELS	952 DIA
JOURNALS	124 ROLLER BEARINGS

BUFFERS	SELF CONTAINED 330 DIA. HEADS
COUPLINGS	INTERNATIONAL SCREW
MIN CURVE	26m
GEN ARRGT DRG No	SW/DNI/21934 & F-S-2246
BRAKE	VACUUM BLOCK & HAND LEVER
SUSPENSION	SHOE

issue 1



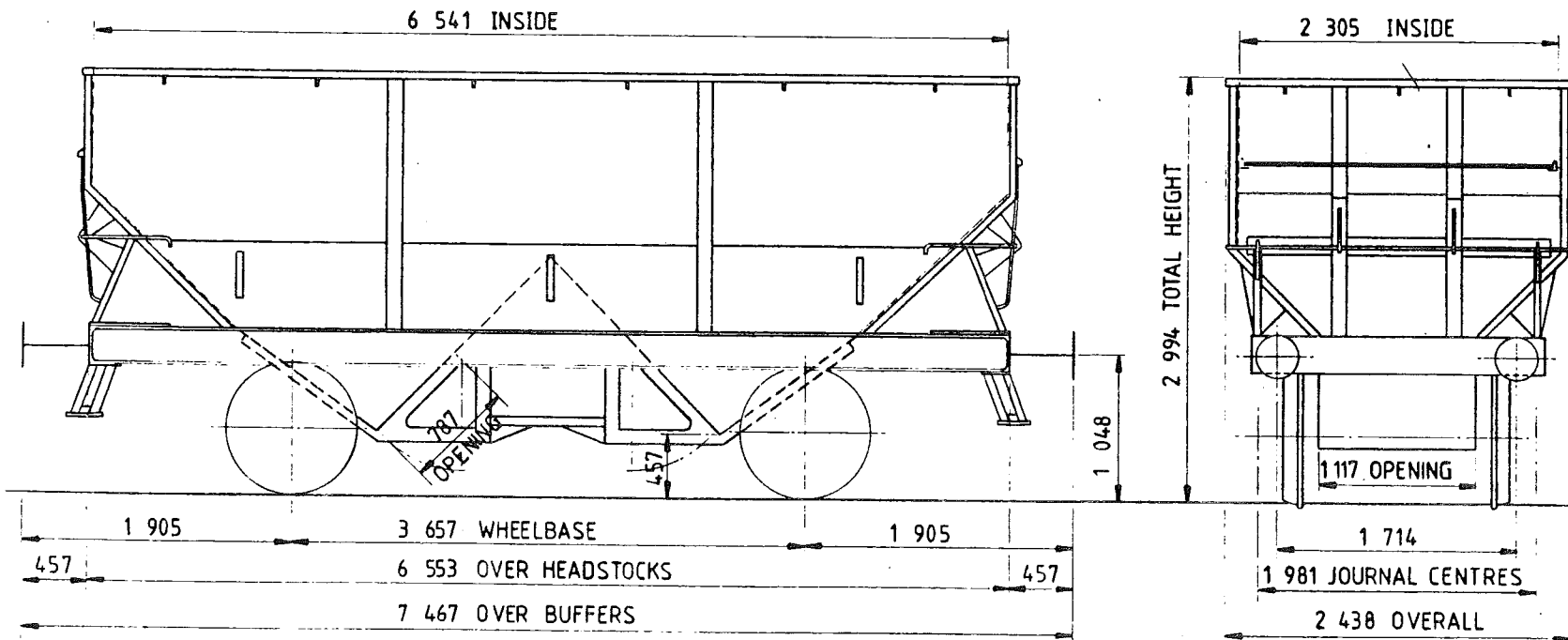
# HOPPER COAL WAGON

HT031P

LOT NUMBER
PART 3919

EXCESS LENGTH	2	H	M	L	E
tonnes	29	22	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.		
H	T	V	H	T	V
			R		
				5	5



TARE - 9 <sup>450</sup> Kg
CARRYING CAPACITY - 21 <sup>500</sup> Kg
CAPACITY - 23.9 m <sup>3</sup>
MAX. SPEED - 50 mile / h
WHEELS - 952 DIA
JOURNALS - 254 x 127 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26 m
GEN. ARRGT. DRG. No. - F-S- 2246
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE

ISSUE 1.

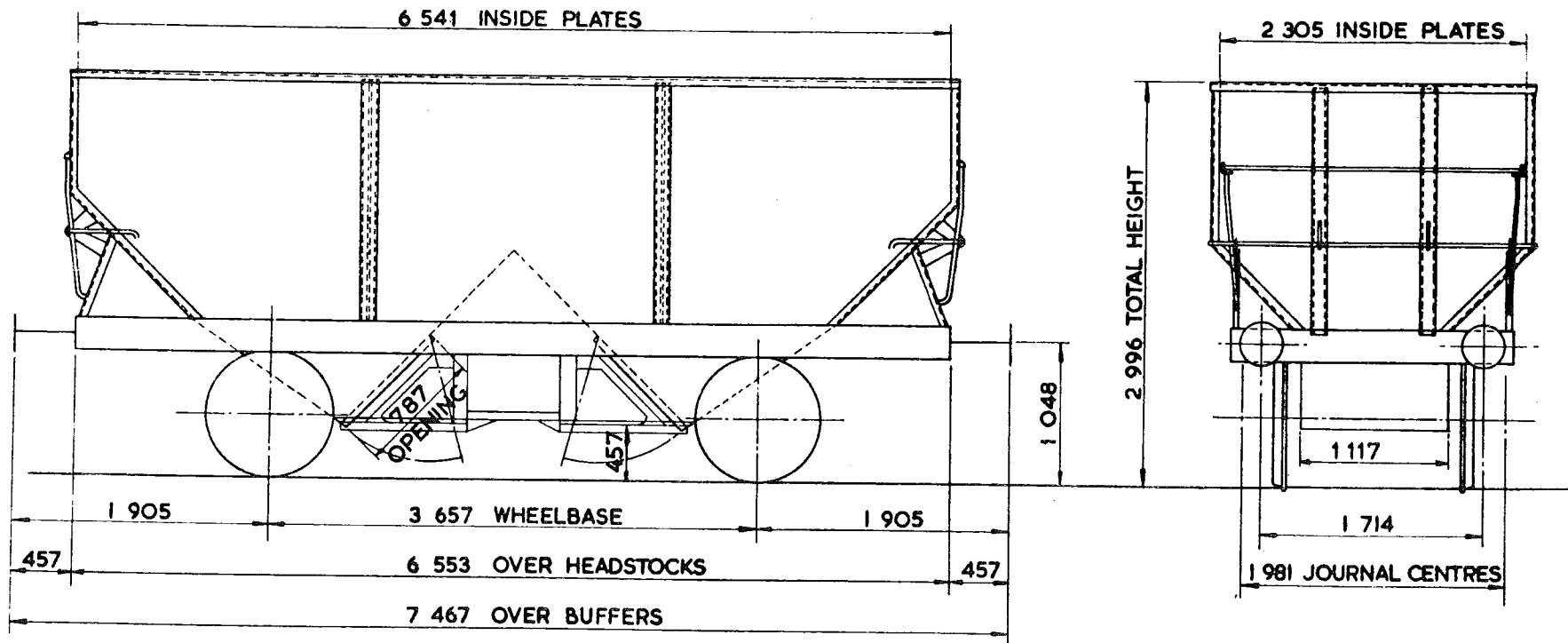
# HOPPER COAL WAGON

HT032M

LOT NUMBER
PART 3210
PART 3916

EXCESS LENGTH	2	H	M	L	E
tonnes	35	29	22	10	
VB	6	6	6	6	
AB					
RA	4	2	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
H	T	V	H	T	V	S	3	2	5



TARE -	10 000 kg
CARRYING CAPACITY -	25 000 Kg.
CAPACITY -	25.9 m <sup>3</sup>
MAX. SPEED -	50 mile/h
WHEELS -	952 DIA.
JOURNALS -	124 DIA ROLLER BEARINGS

BUFFERS -	SPINDLE 330 DIA. HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	26 m.
GEN. ARRGT. DRG. No. -	F-S-2246
BRAKE -	VACUUM BLOCK, HAND LEVER
SUSPENSION -	SHOE

ISSUE 1

EX. B.R. DIAGRAM 1/146

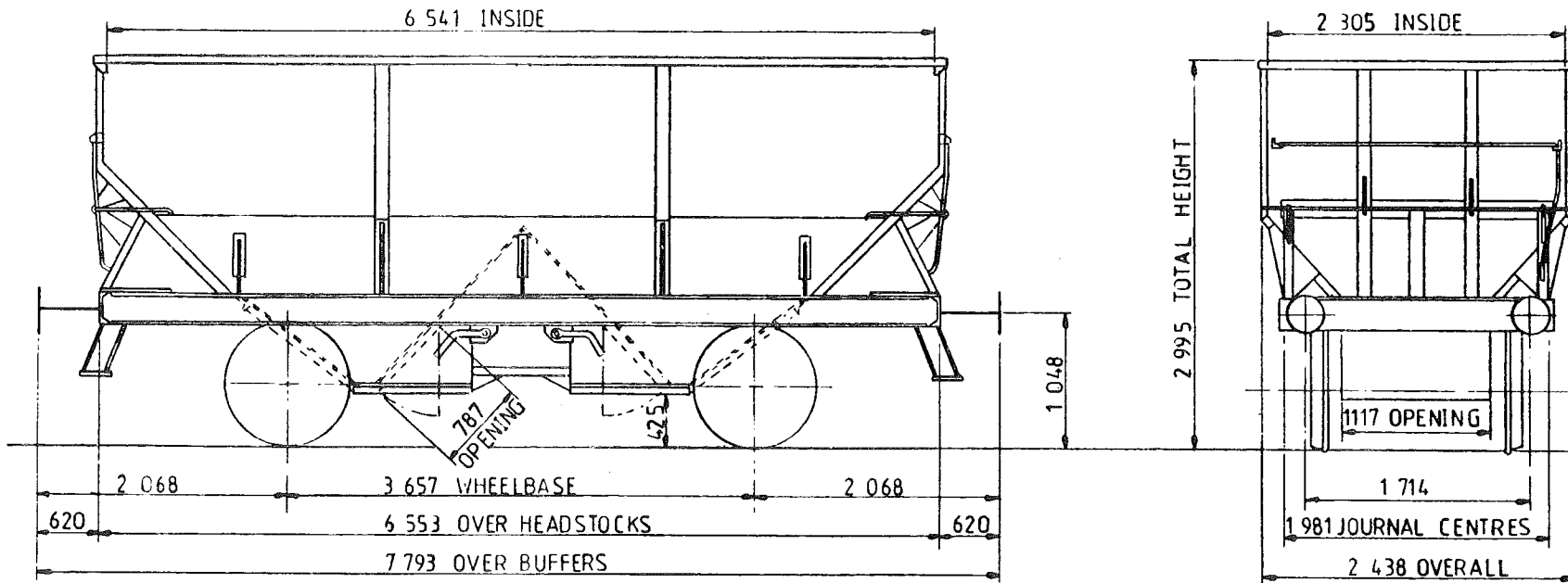
# HOPPER COAL WAGON

# HT032N

LOT NUMBER
PART 3916

EXCESS LENGTH	2	H	M	L	E
tonnes	35	29	22	10	
VB	6	6	6	6	
AB					
RA	4	2	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE									
CARKND		AARKND			OPERATING PANEL No				
HT	V	H	T	V	S	3	2	5	



TARE	9 550 kg
CARRYING CAPACITY	25,000 kg
CAPACITY	23,900 m <sup>3</sup>
MAX SPEED	50 mile/h
WHEELS	952 DIA
JOURNALS	124 ROLLER BEARINGS

BUFFERS	SELF CONTAINED 330 DIA. HEADS
COUPLINGS	INTERNATIONAL SCREW
MIN CURVE	2.6m
GEN ARRGT DRG. No	SW/DN/21934 & 22044 F-S-2246
BRAKE	VACUUM BLOCK & HAND LEVER
SUSPENSION	SHOE

issue 1

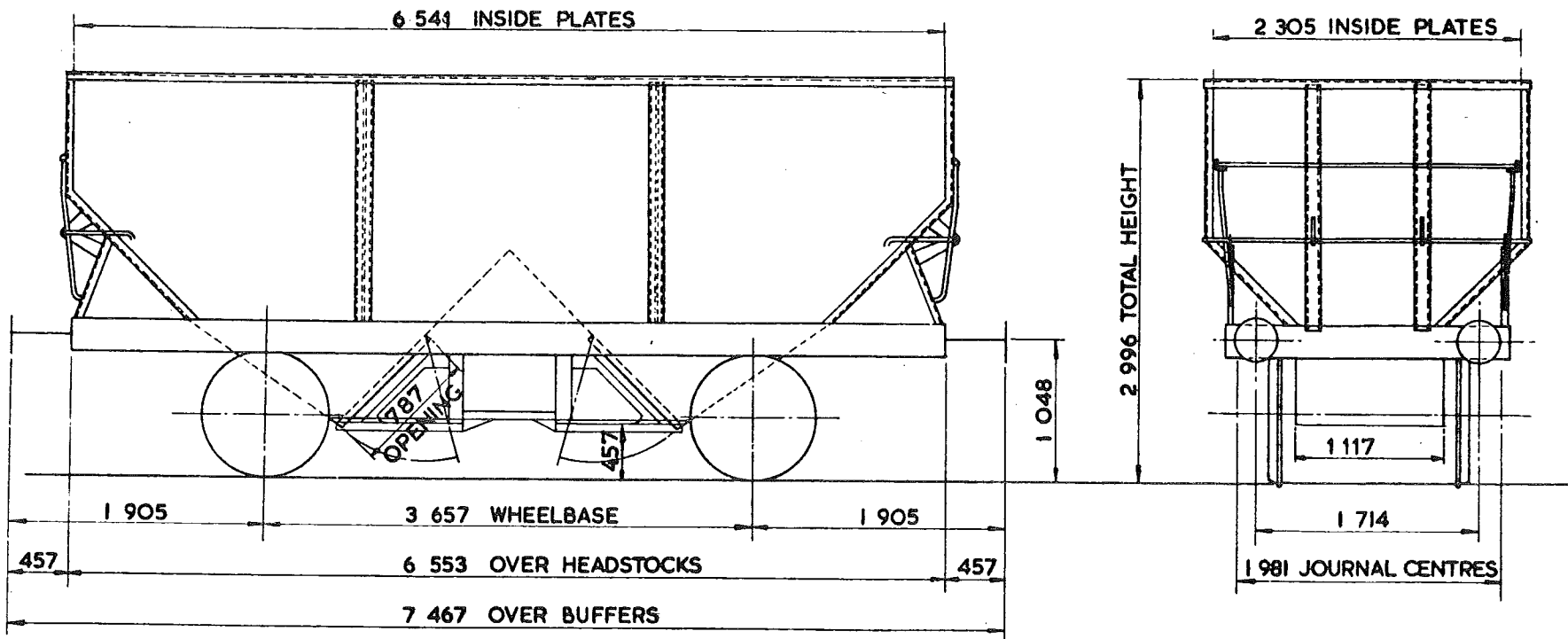
# HOPPER COAL WAGON

HT032P

LOT NUMBER
PART 3916

EXCESS LENGTH	2	H	M	L	E
tonnes	35	29	22	10	
VB	6	6	6	6	
AB					
RA	4	2	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
H	T	V	H	T	V
S			3	2	5



TARE -	10 000 kg
CARRYING CAPACITY -	25 000 kg
CAPACITY -	25.9 m <sup>3</sup>
MAX. SPEED -	50 mile/h
WHEELS -	952 DIA.
JOURNALS -	254 x 127 PLAIN. BEARINGS

BUFFERS -	SPINDLE 330 DIA. HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	26 m.
GEN. ARRGT. DRG. No. -	F-S-2246
BRAKE -	VAC BLOCK, HAND LEVER
SUSPENSION -	SHOE

ISSUE 1

EX. B.R. DIAGRAM 1/146

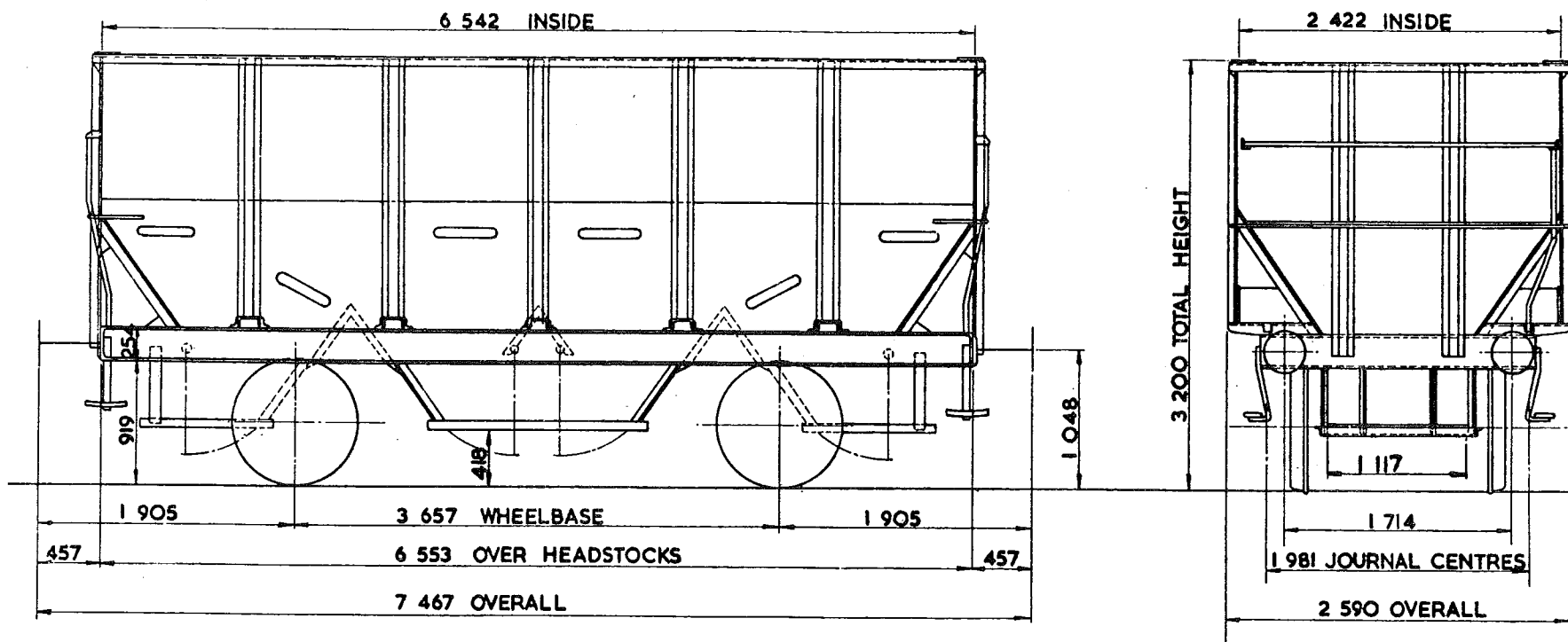
# HOPPER COAL WAGON

# HUOOIE

LOT NUMBER
3221
3121
3314
3374
3437

EXCESS LENGTH	2	H	M	L	E
tonnes	32	26	17	11	
VB					
AB					
RA	4	2	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
H	U	Ø	H	U	Ø
F					1 4



TARE - 10 250 kg
CARRYING CAPACITY - 24 900 kg
CAPACITY - 29.053 m <sup>3</sup>
MAX. SPEED - 50 mile/h
WHEELS - 939 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26m
GEN. ARRGT. DRG. No. - SW/ES/199
BRAKE - HAND LEVER
SUSPENSION - SHOE

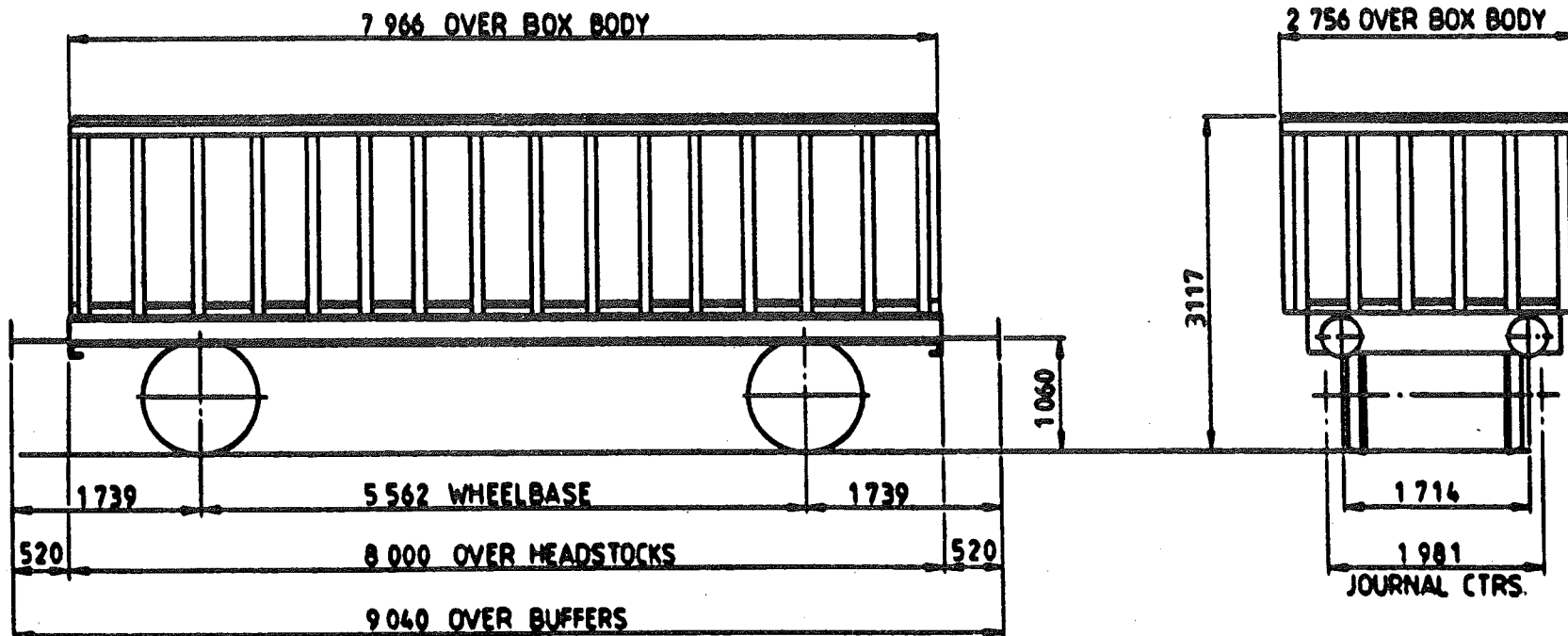
ISSUE 1

# BOX BODIED WAGON

MA001A

LOT NUMBER	
3646	
3751	

TOPS INFORMATION											
AARKND		OPERATING		OPERATING SPEED		BRAKE FORCE DATA		EXCESS LENGTH	RA (GLW)	DESIGN SHEET	
CARKND		PANEL No.		60 mile/h UP TO <del>mile/h ABOVE</del>		47 tonne GLW		10t BRAKED TO TARE	5	9	W2046
M	A	B	A								



TARE-	14.85t
CAPACITY, WEIGHT-	32 000kg
CAPACITY, VOLUME-	
MIN. CURVE-	41 m
GEN. ARRGT. DRG. NO.-	B1-A0-8601305

BRAKE-	AIR DISC, THROUGH VAC. PIPE & HAND LEVER
SUSPENSION-	SINGLE LINK WITH 2 STAGE AUXILIARIES
COUPLINGS-	INSTANTER
BUFFERS-	HYDRAULIC 330 DIA. HEADS
WHEELS-	1 092 DIA.
JOURNALS-	140 DIA. ROLLER BEARINGS

ISSUE 1

EX. BR. DIAGRAM

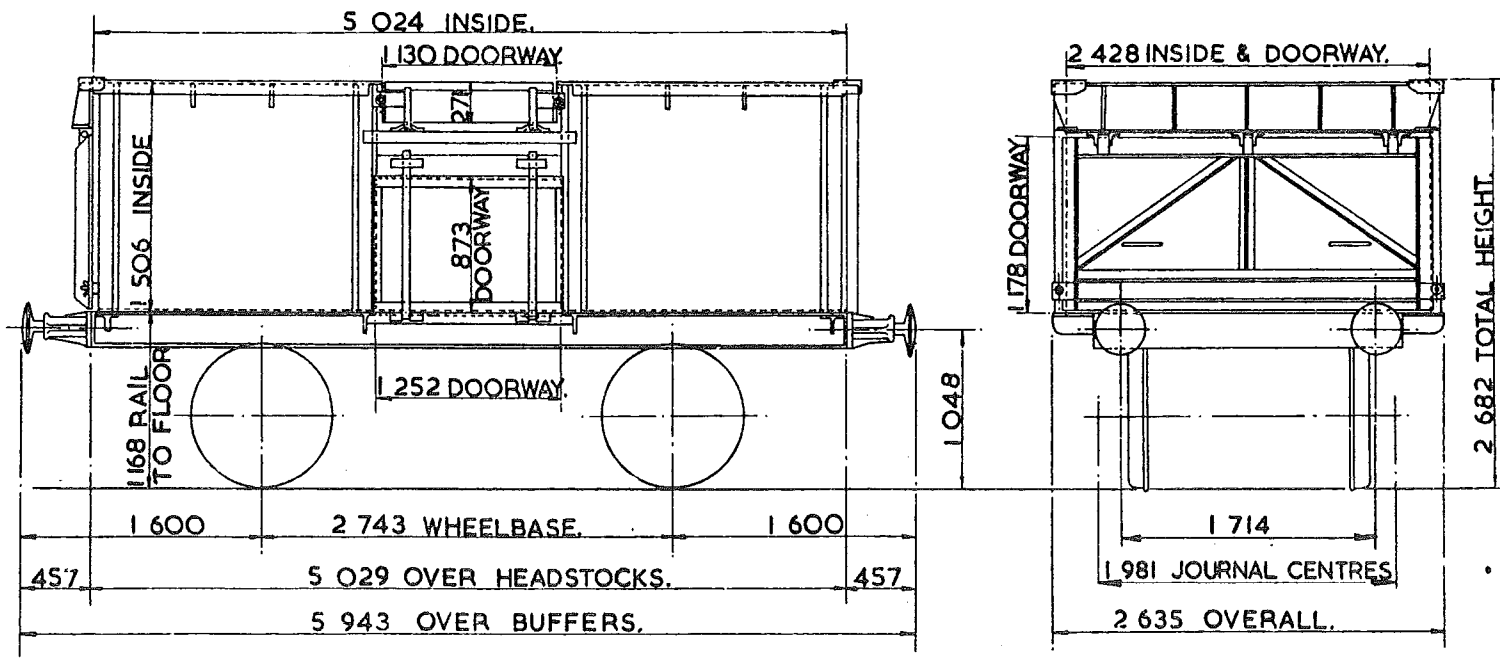
# MINERAL WAGON

# MCOO3D

LOT NUMBERS
PART 3042
3076
3145
PART 3146

EXCESS LENGTH	H	M	L	E
tonnes	23	17	13	9
VB	11	11	4	4
AB				
RA	1	1	1	1
MAX. SPEED	35	35	35	35

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No
M C V	M C V E	3 6 2



TARE - 7050kg.
CARRYING CAPACITY - 16 <sup>500</sup> kg.
CUBIC CAPACITY - 18.371 m <sup>3</sup> .
MAX. SPEED - 35 mile/h.
WHEELS - 952 DIA.
JOURNALS - 228 x 114 PLAIN BEARINGS.

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER.
MIN. CURVE - 21 m
GEN. ARRGT. DRG. No. - SW/DE 21000-BODY RCH 3004&5-UNDERFRAME.
BRAKE - HAND LEVER
SUSPENSION - SHOE.

ISSUE 3.

EX.B.R. DIAGRAM 117

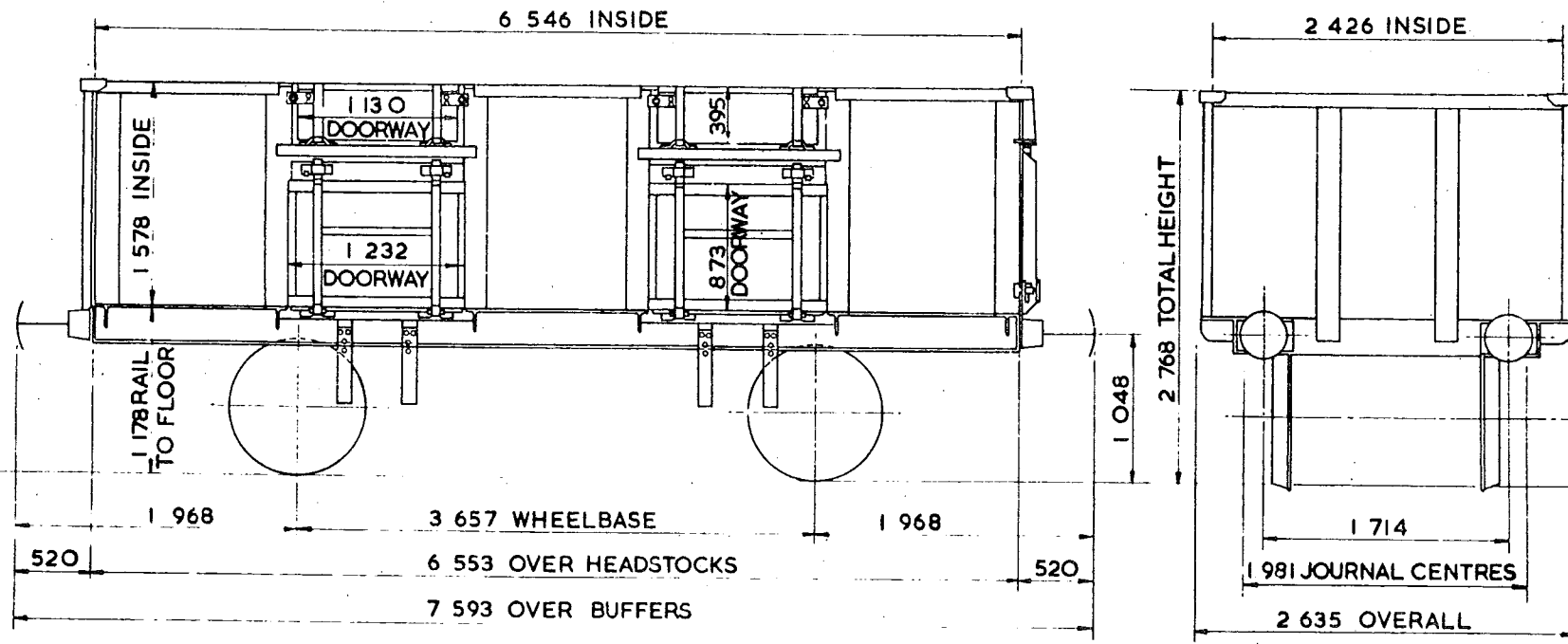
# MINERAL WAGON

MDO08 B

PART LOT NUMBERS
3390
3430
3438
3439

EXCESS LENGTH	2	H	M	L	E
tonnes	30	24	17	12	
VB	12	12	6	6	
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No		
M	D	V	M	D	V
					2 9



TARE	11 400kg
CARRYING CAPACITY-	21 500kg
CAPACITY -	25.06m <sup>3</sup>
MAX. SPEED	50 mile/h
WHEELS	952 DIA.
JOURNALS	124 DIA. ROLLER BEARINGS

BUFFERS	HYDRAULIC 330 DIA. HEADS
COUPLINGS	INSTANTER
MIN. CURVE	26 m
G.A. DRG No.-SW DN 29184, SW DN 30542 U/F. (SW DN 29905, LOT 3390)	
BRAKE	VACUUM BLOCK & HAND LEVER
SUSPENSION	SHOE

Issue 1



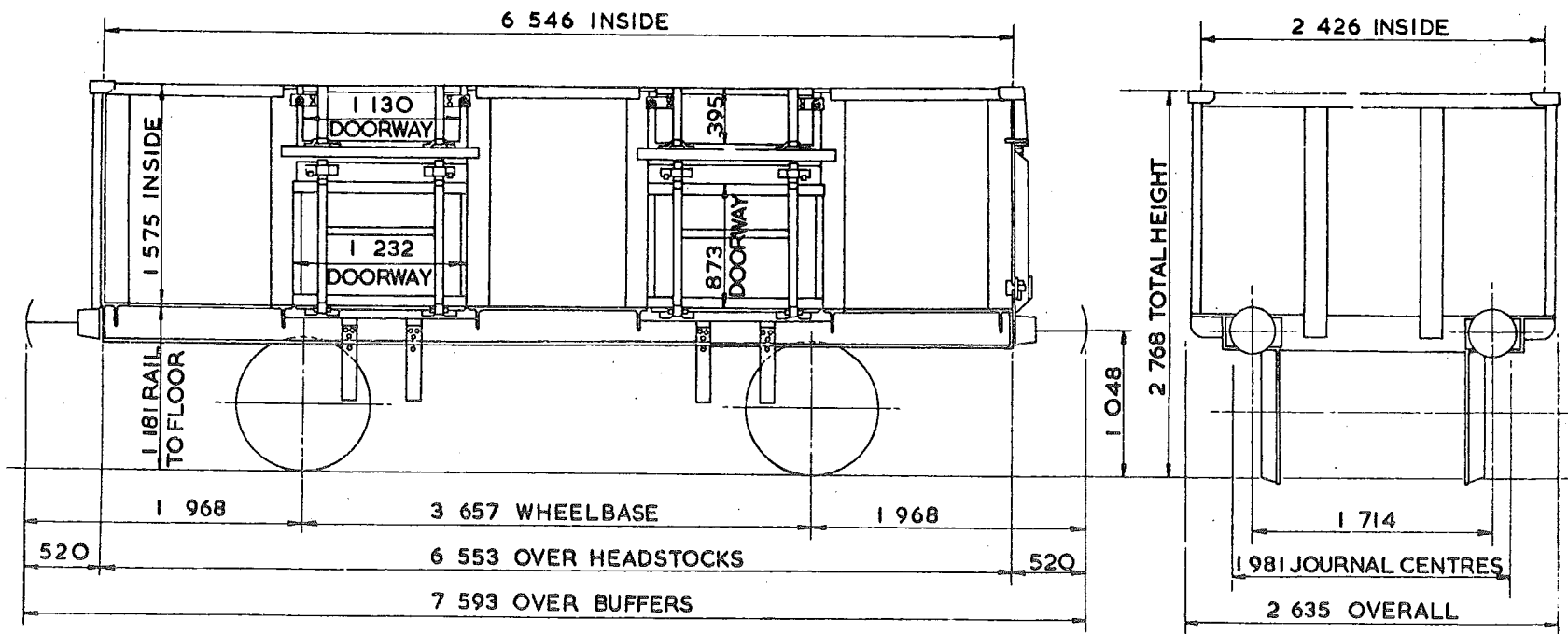
# MINERAL WAGON

MDO08C

LOT NUMBER
PART 3387

EXCESS LENGTH	2	H	M	L	E
tonnes	30	24	17	12	
VB	12	12	6	6	
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE										
CARKND		AARKND			OPERATING PANEL NO					
M	D	V	M	D	V	E			2	9



TARE -	11 200kg
CARRYING CAPACITY -	21 500kg
CAPACITY -	27 218 m <sup>3</sup>
MAX. SPEED -	50 mile/h
WHEELS -	952 DIA.
JOURNALS -	124 DIA. ROLLER BEARINGS

BUFFERS -	HYDRAULIC 406 DIA. HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	26m
GEN. ARRGT. DRG. No.	SW/DN 29184 BODY SW/DN 29903U/F
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	SHOE

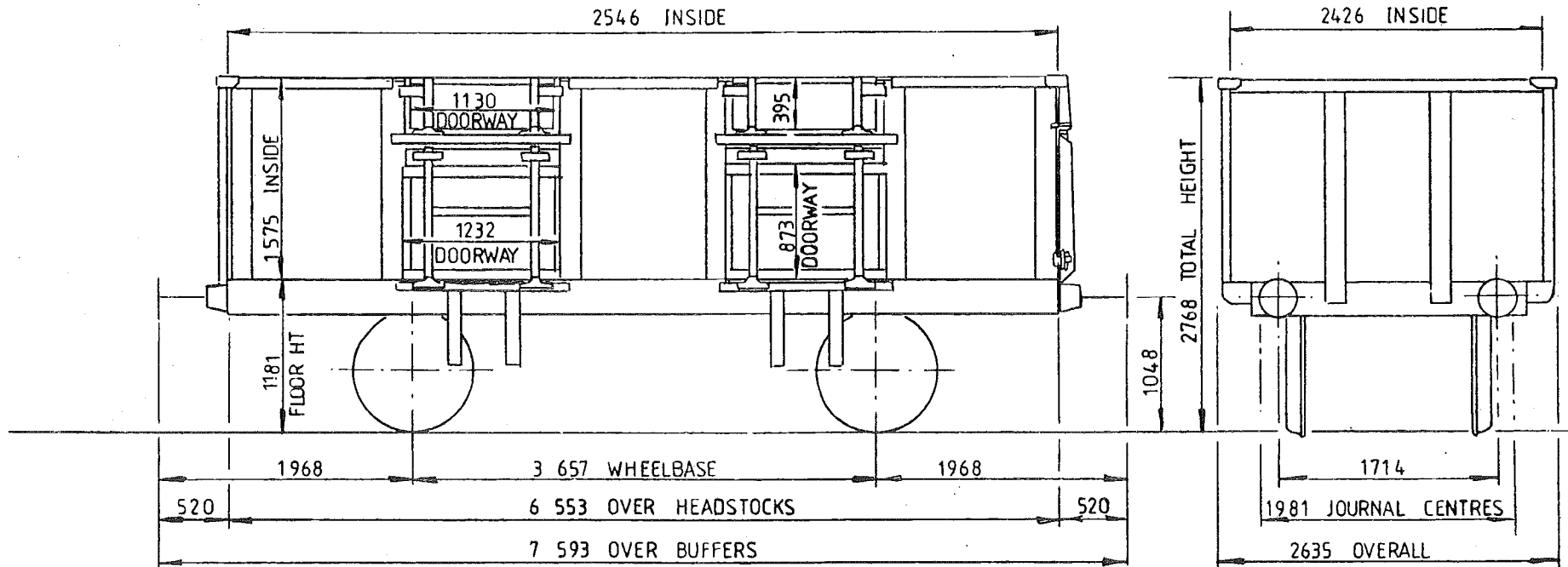
issue 1

# MINERAL WAGON

MDO08 D

LOT NUMBER	
3	387

TOPS INFORMATION										
AARKND	OPERATING			OPERATING SPEED		BRAKE FORCE DATA		EXCESS LENGTH	RA (GLW)	DESIGN SHEET
CARKND	PANEL No.			50 mile/h UP TO	33 tonne GLW	6† EMPTY		2	3	
M D W E				<del>mile/h ABOVE</del>		12† LADEN				



TARE-	11 200 kg
CAPACITY, WEIGHT-	21 500 kg
CAPACITY, VOLUME-	27.218 m <sup>3</sup>
MIN. CURVE-	26 m
GEN. ARRGT. DRG. NO.-	SW/DN/ 29184
	SW/DN/ 29903 U/F

BRAKE-	VACUUM BLOCK, AIR PIPE, HAND LEVER.
SUSPENSION-	SHOE
COUPLINGS-	INSTANTER
BUFFERS-	HYDRAULIC 406 DIA HEADS
WHEELS-	952 DIA
JOURNALS-	124 DIA ROLLER BEARINGS

ISSUE 1

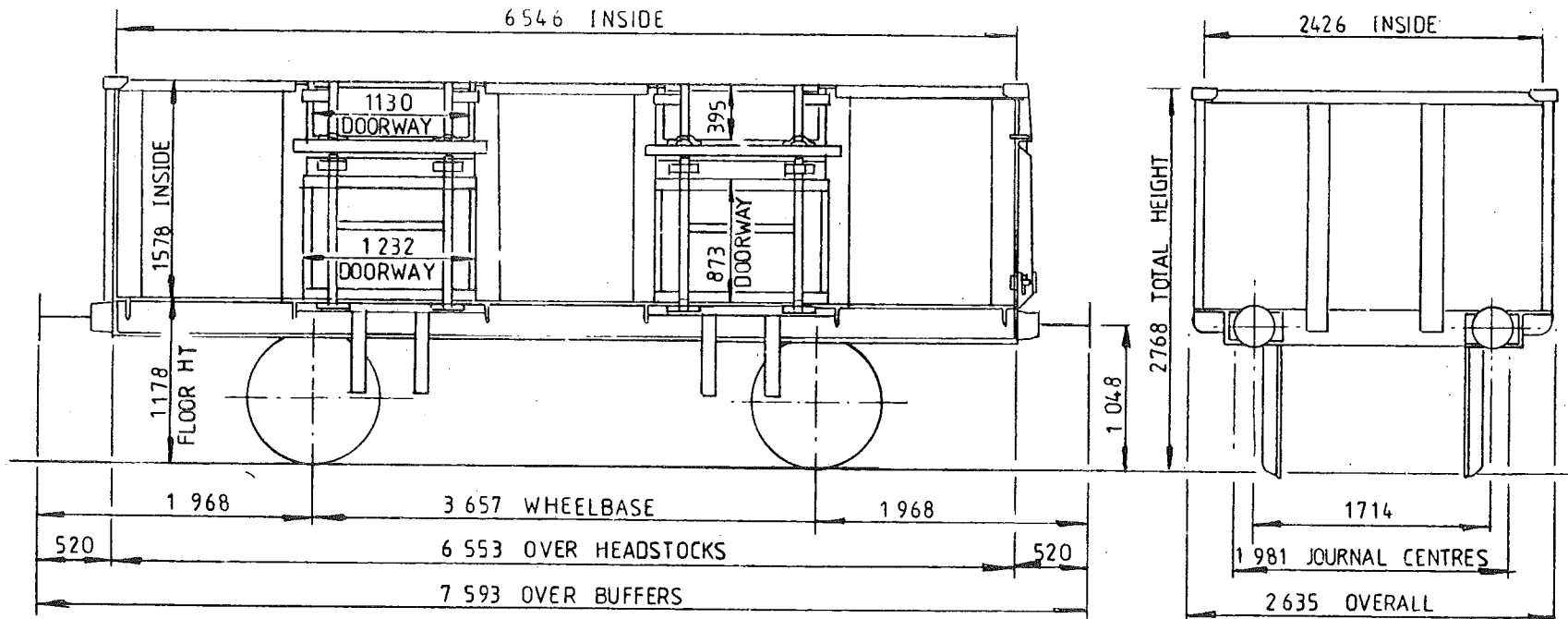
EX. BR. DIAGRAM 119

# MINERAL WAGON

M0008E

LOT NUMBER	
3390	

TOPS INFORMATION											
AARKND		OPERATING PANEL No.		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH	RA (GLW)	DESIGN SHEET
CARKND				50 mile/h UP TO -mile/h ABOVE			33 tonne GLW		6+ EMPTY	2	3
M	D	W	E								



TARE-	11 400 kg
CAPACITY, WEIGHT-	21 500 kg
CAPACITY, VOLUME-	25.06 m <sup>3</sup>
MIN. CURVE-	26 m
GEN. ARRGT. DRG. NO.-	SW/DN/29184 SW/DN/30542

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 120

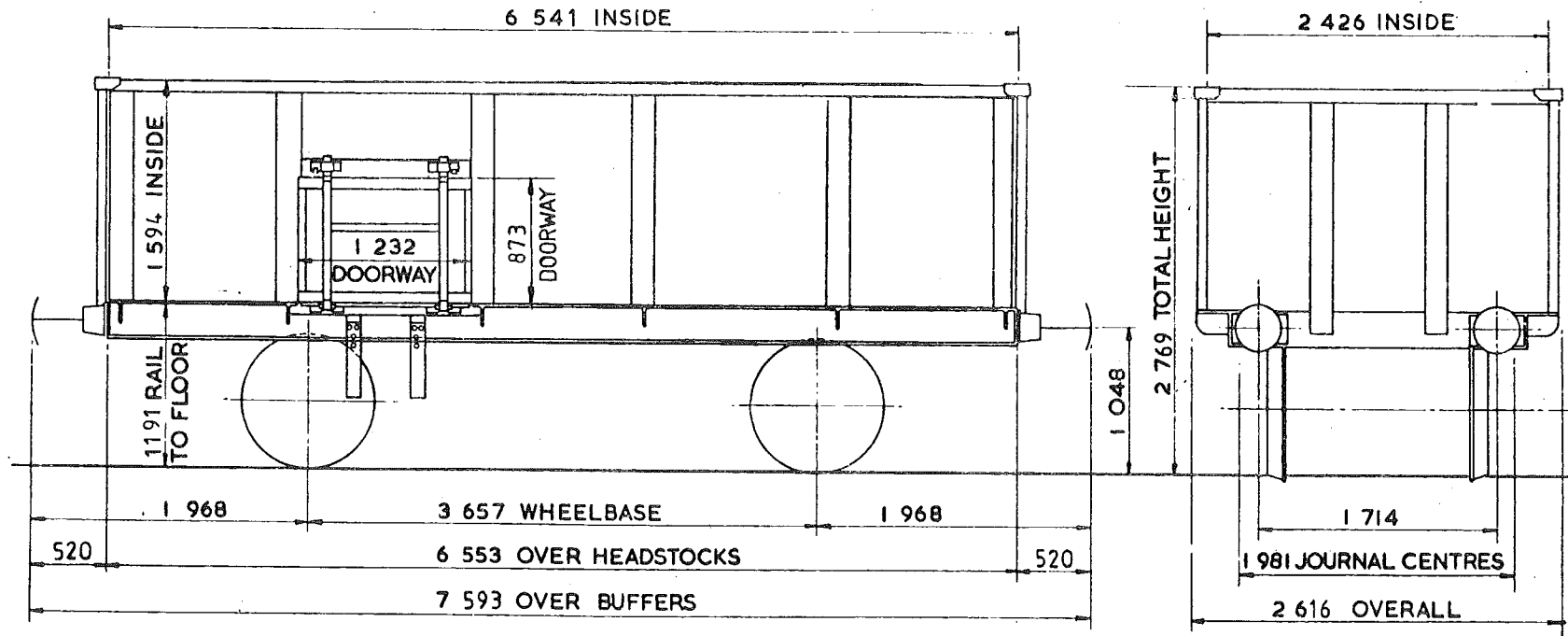
# MINERAL WAGON

# MDO15G

LOT NUMBER
PART 3390
PART 3430

EXCESS LENGTH	2	H	M	L	E
tonnes	30	24	17	12	
VB	12	12	6	6	
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE										
CARKND			AARKND			OPERATING PANEL No				
M	D	V	M	D	V	R			2	9



TARE -	11 400kg
CARRYING CAPACITY -	21 500kg
CAPACITY -	25200m <sup>3</sup>
MAX. SPEED -	50 mile/h
WHEELS -	952 DIA.
JOURNALS -	124 DIA. ROLLER BEARINGS

BUFFERS -	HYDRAULIC 330 DIA HEADS
COUPLINGS -	INSTANTER
MIN. CURVE	26 m
G.A. DRG. No.	F-S-13852, SW-DN-29905 (LOT 3390), SW-DN-30542 (LOT 3430).
BRAKE -	VAC BLOCK, HAND LEVER.
SUSPENSION -	SHOE

Issue 1

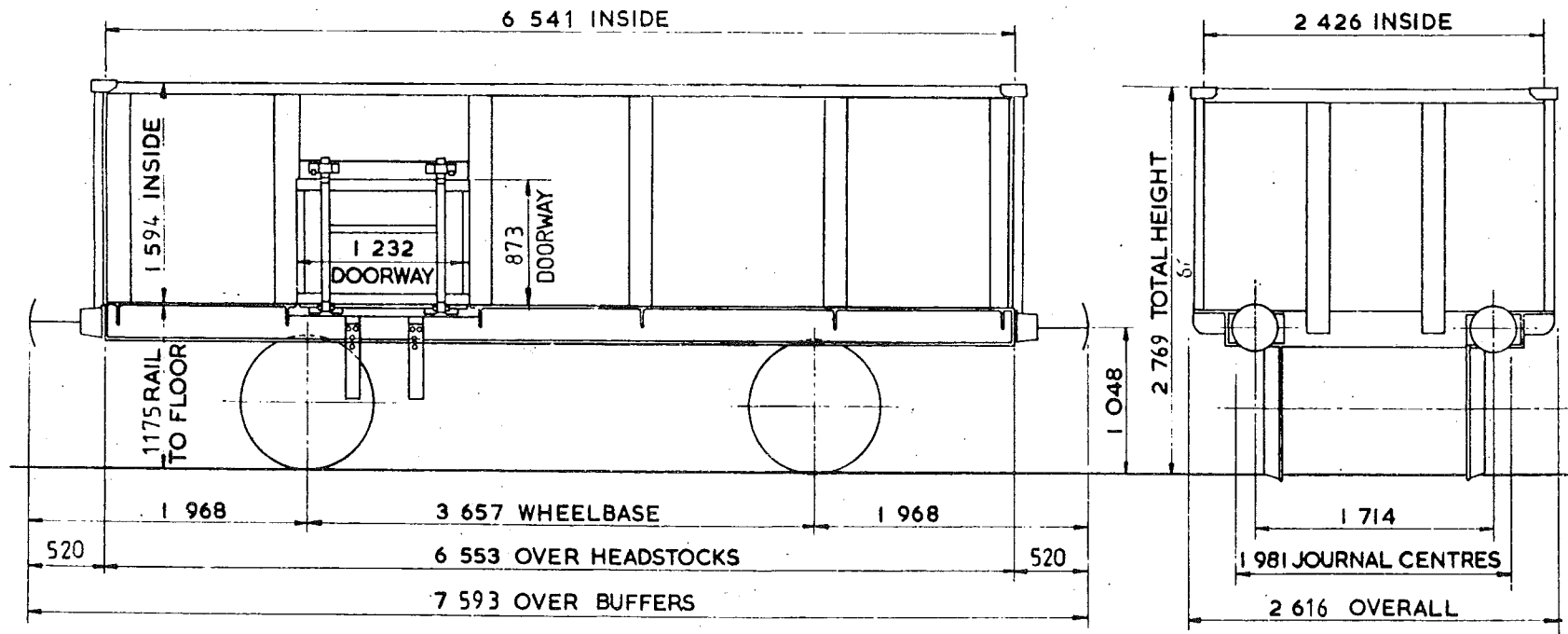
# MINERAL WAGON

MD015H

LOT NUMBER
PART 3387

EXCESS LENGTH	2	H	M	L	E
tonnes	30	24	17	12	
VB	12	12	6	6	
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE										
CARKND			AARKND			OPERATING PANEL No				
M	D	V	M	D	V	R			2	9



TARE -	11 400kg
CARRYING CAPACITY -	21 500kg
CAPACITY -	25200m <sup>3</sup>
MAX. SPEED -	50 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.	F·S·13853, SW·DN·29903
BRAKE	VACUUM BLOCK, HAND LEVER
SUSPENSION	SHOE

Issue 1

EX. BR. DIAGRAM 1/119

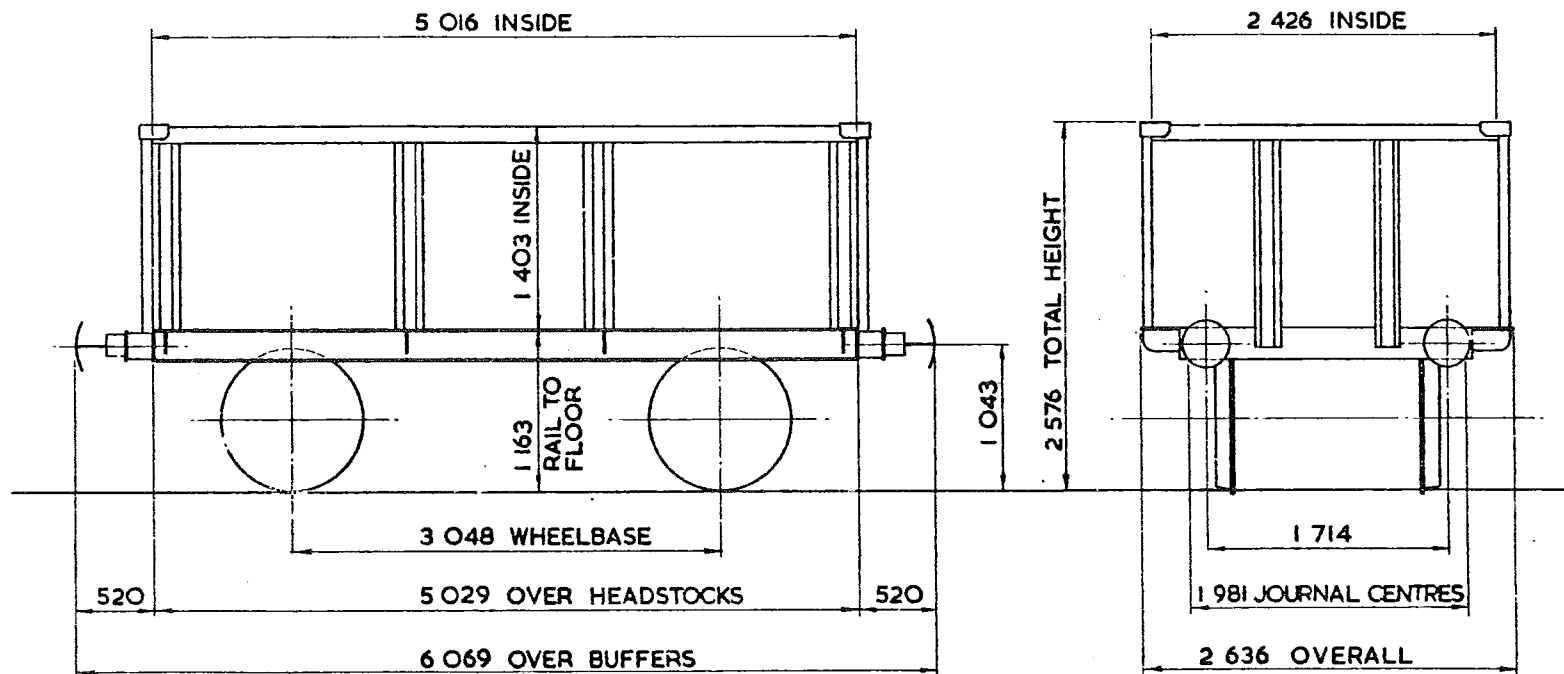
# IRONSTONE TIPPLER WAGON

M\$002D

LOT NUMBER
3363

EXCESS LENGTH	H	M	L	E
tonnes	35	25	15	9
VB	15	15	5	5
AB				
RA	4	2	1	1
MAX. SPEED	35	35	35	35

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
M \$ V	M \$ V T	I	O	3	



TARE --	8 700kg
CARRYING CAPACITY	26 500kg
CAPACITY	17.072 m <sup>3</sup>
MAX. SPEED --	35 mile/h
WHEELS -	952 DIA.
JOURNALS -	124 DIA. ROLLER BEARINGS

BUFFERS --	HYDRAULIC 330 DIA. HEADS
COUPLINGS --	INSTANTER
MIN. CURVE --	21m
GEN. ARRGT. DRG. No. --	DE/35944 DE/34579
BRAKE --	VACUUM BLOCK & HAND LEVER
SUSPENSION -	SHOE

issue 2.

EX. B.R. DIAGRAM 1/185

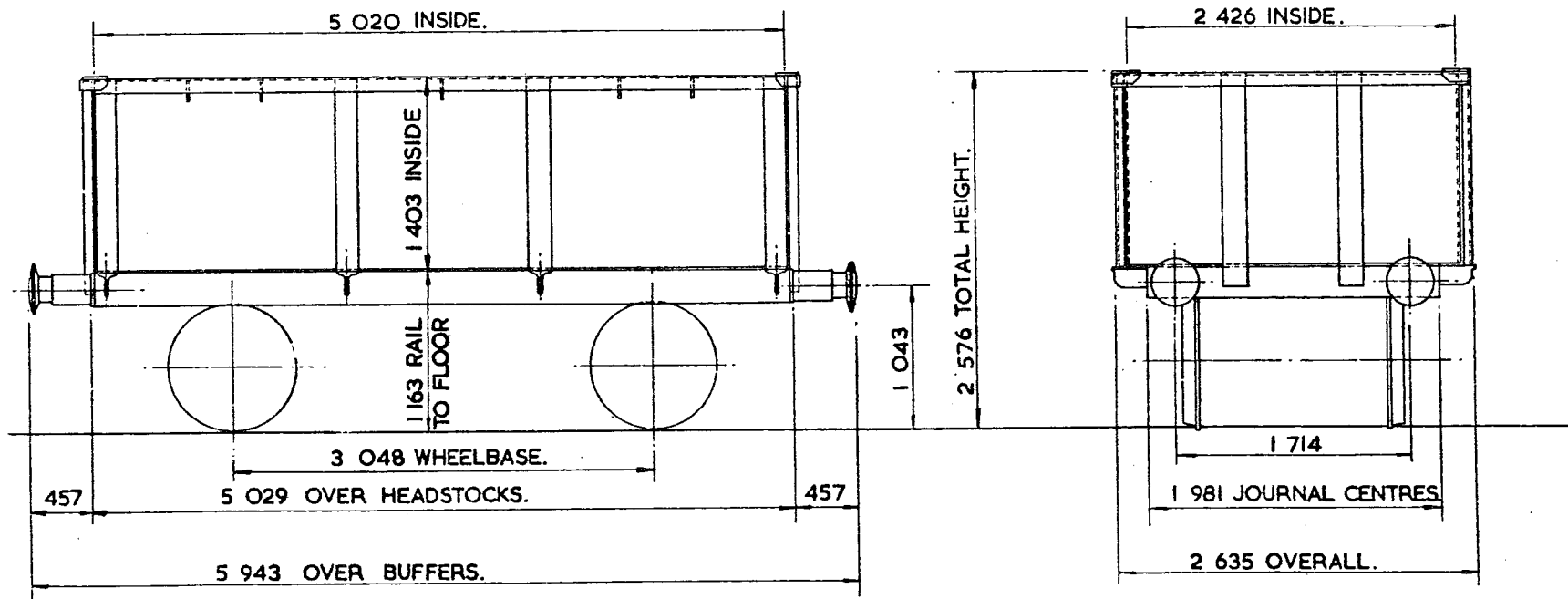
# IRONSTONE TIPLER WAGON

M\$002F

LOT NUMBER
PART 3091

EXCESS LENGTH	H	M	L	E
tonnes	35	25	15	9
VB	15	15	5	5
AB				
RA	4	2	1	1
MAX. SPEED	35	35	35	35

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No.
M \$ V	M \$ V T	1 0 3



TARE --	9 000 kg.
CARRYING CAPACITY -	26 500 kg.
CAPACITY -	17.196 m <sup>3</sup>
MAX. SPEED --	35 mile/h.
WHEELS --	952 DIA.
JOURNALS -	124 DIA. ROLLER BEARINGS.

BUFFERS --	HYDRAULIC 330 DIA. HEADS.
COUPLINGS --	INSTANTER.
MIN. CURVE --	21 m.
GEN. ARRGT. DRG. No. -	DE/34579 - DE/35397
BRAKE --	VACUUM BLOCK & HAND LEVER.
SUSPENSION --	SHOE.

issue 2.

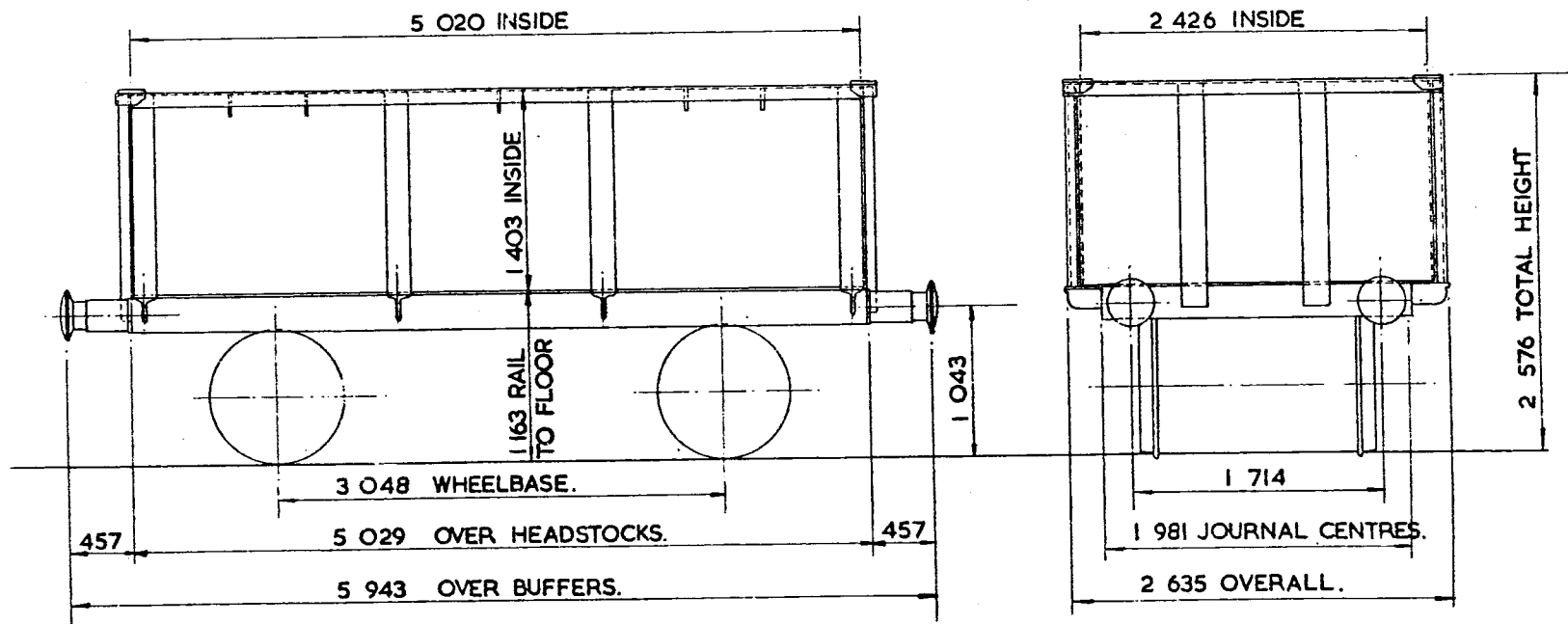
# IRONSTONE TIPLER WAGON

M\$002J

LOT NUMBER
PART 3091

EXCESS LENGTH	H	M	L	E
tonnes	35	25	15	9
VB	15	15	5	5
AB				
RA	4	2	1	1
MAX. SPEED	35	35	35	35

TOPS CODE										
CARKND		AARKND		OPERATING PANEL No						
M	\$	V	M	\$	V	T				



TARE -	9 000 kg.
CARRYING CAPACITY -	26 500 kg.
CAPACITY -	17.96 m. <sup>3</sup>
MAX SPEED -	35 mile/h.
WHEELS -	952 DIA.
JOURNALS -	228 x 108 PLAIN BEARINGS.

BUFFERS -	HYDRAULIC 330 DIA. HEADS.
COUPLINGS -	INSTANTER.
MIN. CURVE -	21 m.
GEN. ARRGT. DRG. No. -	DE 34579 DE 35397
BRAKE -	VACUUM BLOCK & HAND LEVER.
SUSPENSION -	SHOE.

issue 2.

EX. BR. DIAGRAM 1/186. (ALLOCATED)



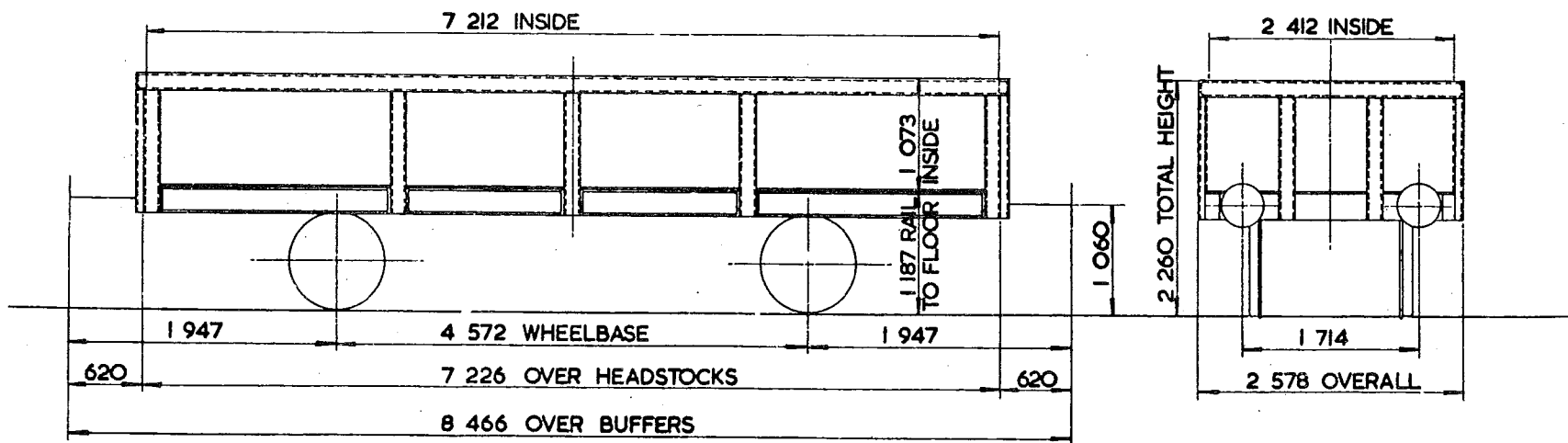
# IRONSTONE TIPPER WAGON

MT001A

LOT NUMBER
3859

EXCESS LENGTH	4	H	M	L	E
tonnes	33	27	18	12	
VB	14	14	7	7	
AB					
RA	4	2	1	1	
MAX. SPEED	45	45	45	45	

TOPS CODE					
CARKND	AARKND			OPERATING PANEL No.	
M	T	V	M	T	V
		\$		2	9
				8	



TARE -	1 000 kg
CARRYING CAPACITY -	24 000 kg
CAPACITY -	18.667 m <sup>3</sup>
MAX. SPEED -	45 m/le/h
WHEELS -	952 DIA.
JOURNALS -	124 DIA. ROLLER BEARINGS

BUFFERS -	HYDRAULIC 406 DIA. HEADS
COUPLINGS -	INTERNATIONAL SCREW
MIN. CURVE -	31 m
GEN. ARRGT. DRG. No. -	F-AO-18647
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	SHOE

ISSUE 3  
EX. B.R. DIAGRAM 193.

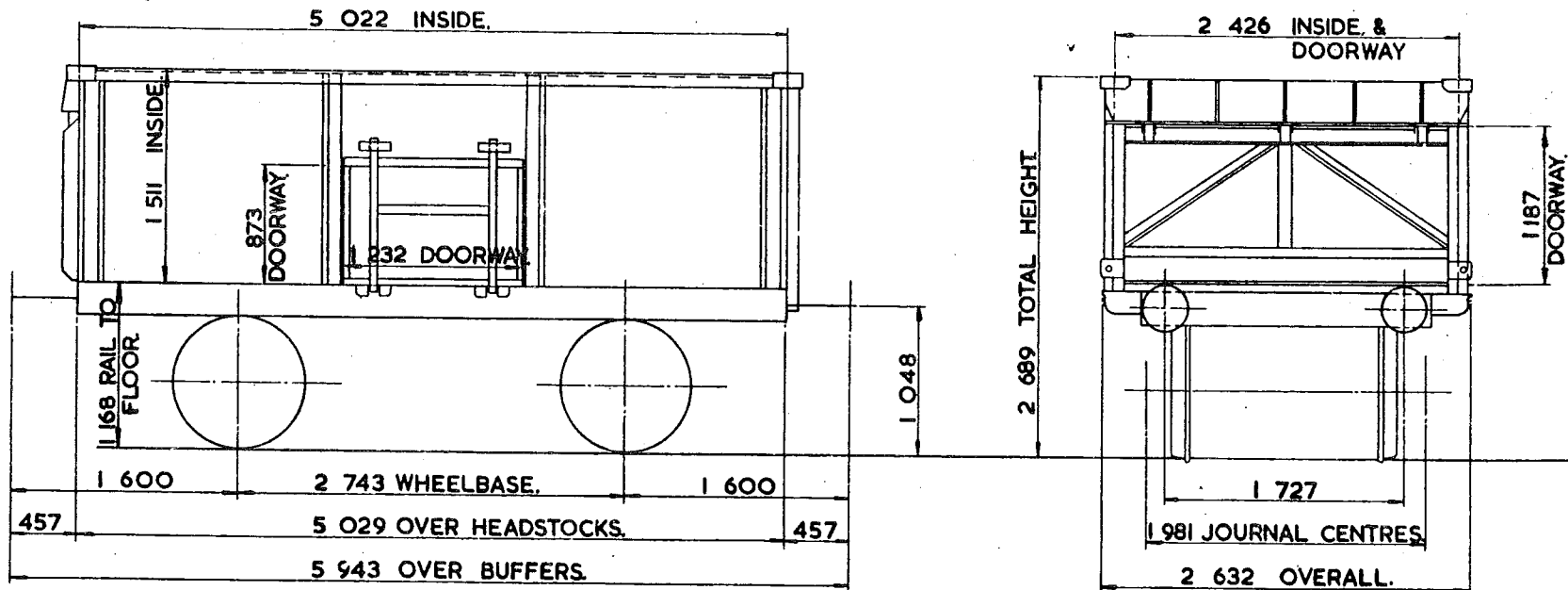
# MINERAL WAGON

MX 001 A

PART LOT NUMBER	
2917	2918
2919	2920
2921	2922
3062	

EXCESS LENGTH	H	M	L	E
tonnes	23	17	13	9
VB	4	4	4	4
AB				
RA	1	1	1	1
MAX. SPEED	35	35	35	35

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
M	X	V	M	X	V	D	3	6	3



TARE	7800kg.
CARRYING CAPACITY-	16500kg.
CAPACITY-	18.349 m <sup>3</sup> .
MAX. SPEED	35 mile/h.
WHEELS	952 DIA.
JOURNALS-	228x114 PLAIN BEARINGS.

BUFFERS -	SPINDLE 330 DIA. HEADS.
COUPLINGS -	INSTANTER.
MIN. CURVE -	21 m.
GEN. ARRGT. DRG. No. -	SW/DE/2890, F-S-2556
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	SHOE.

ISSUE 1