

MECHANICAL  ELECTRICAL
ENGINEERING
BRITISH RAILWAYS BOARD · HEADQUARTERS

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

(PART 2)

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Diagram	Description	Lot Numbers
FB001A	36t GLW CONFLAT WAGON	3566, 3620
FE001A	58.5t GLW CONFLAT 'E' WAGON	3235, 3236, 3240.
FE001E	63t " " "	3229
FE001F	63t " " "	3229
FE001G	63t " " "	3229
FE001H	63t GLW CONFLAT 'E' WAGON	6005
FE001J	62t GLW " "	3229
FE001K	62t GLW " "	3229
FE002A	63t GLW CONFLAT WAGON	3229
FE002B	58t GLW " "	3229
FE002C	58t GLW " "	3229
FE002D	58t GLW " "	3229

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.

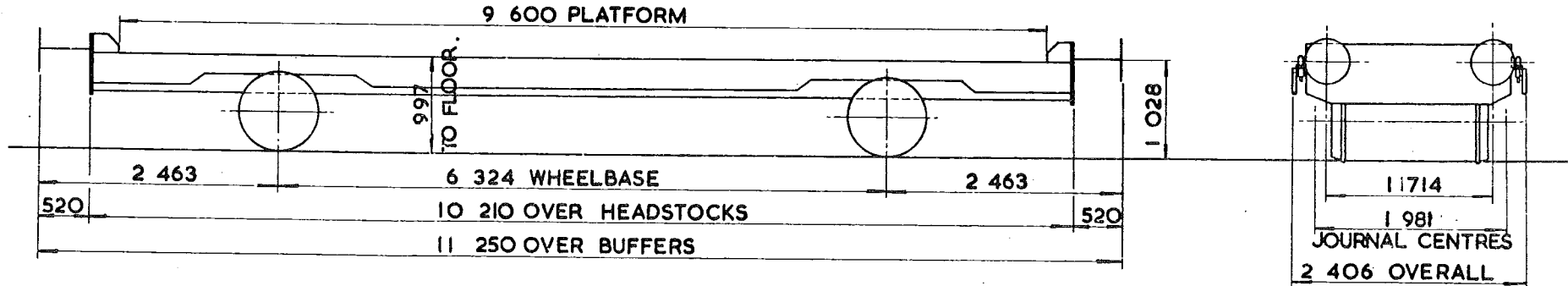
CONFLAT WAGON

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 8



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

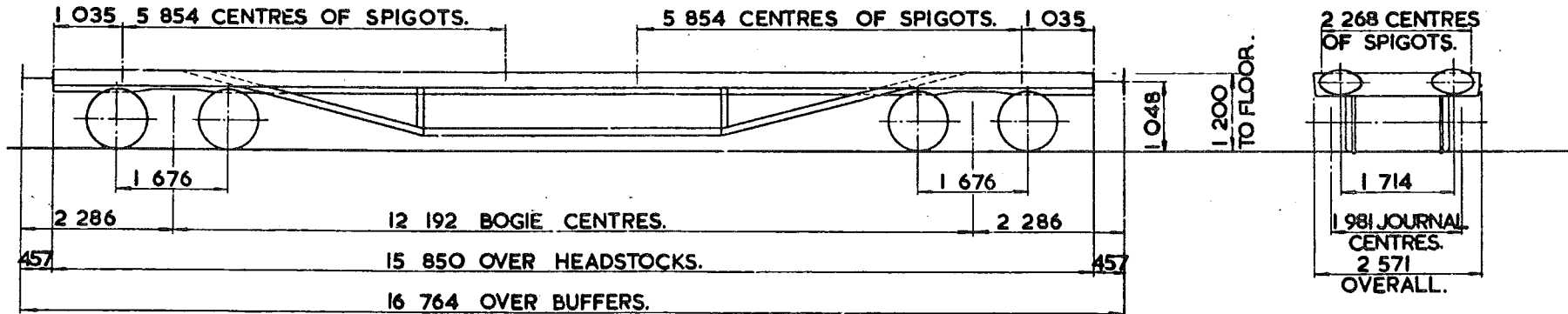
CONFLAT 'E' WAGON

FEOOIA

LOT NUMBER
EX 3235
EX 3236
EX 3240

EXCESS LENGTH	7	H	M	L	E
tonnes	47	37	23	18	
VB	12	12	12	12	
AB					
RA	1	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
F	E	V	F	E	V	C	2	7	7



TARE - 16 000 kg
CARRYING CAPACITY - 42 500 kg.
CAPACITY -
MAX. SPEED - 50 mile/h.
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS.

BUFFERS - SELF CONTAINED 559x356 OVAL HEADS.
COUPLINGS - INSTANTER.
MIN. CURVE - 22 m.
GEN. ARRGT. DRG. No. - DE 12591.
BRAKE - VACUUM, BLOCK & HAND LEVER
SUSPENSION - SECONDARY COIL

ISSUE 2

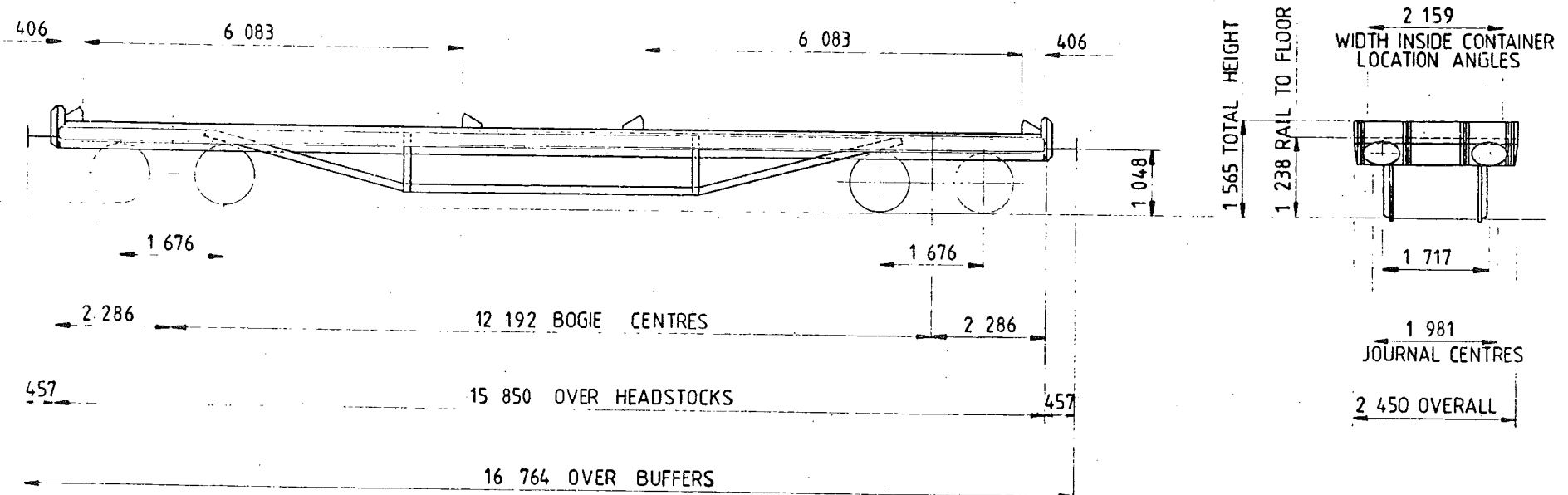
CONFLAT 'E' WAGON

FEOOIE

LOT NUMBER
EX 3229

EXCESS LENGTH	7	H	M	L	E
tonnes	47	37	23	18	
VB	12	12	12	12	
AB					
RA	1	1	1	1	
MAX. SPEED	60	60	60	60	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
F	E	V	F	E	V	C	2	2	8



TARE 19 400 kg
CARRYING CAPACITY - 42 500 kg
CAPACITY -
MAX. SPEED - 60 mile/h.
WHEELS - 952 DIA.
JOURNALS - 124 DIA 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 & HAND LEVER
SUSPENSION - PRIMARY COIL.

issue 2

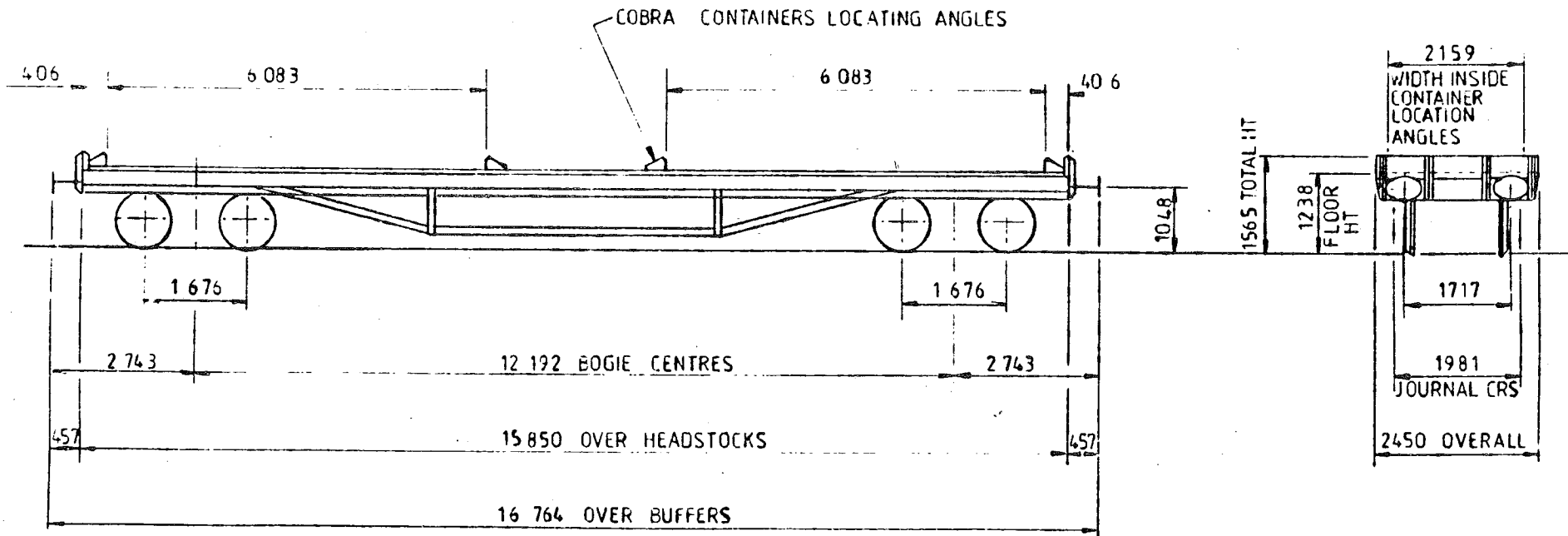
CONFLAT WAGON

FE001F

W835

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 P	9	3	4	9		



TARE - 17 000 kg (est)
CAPACITY, WEIGHT - 46 000 kg (est)
CAPACITY, VOLUME -
MIN. CURVE - 22 m
GEN. ARRGT. DRG. NO. - SW/DE/35595

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

ISSUE 1

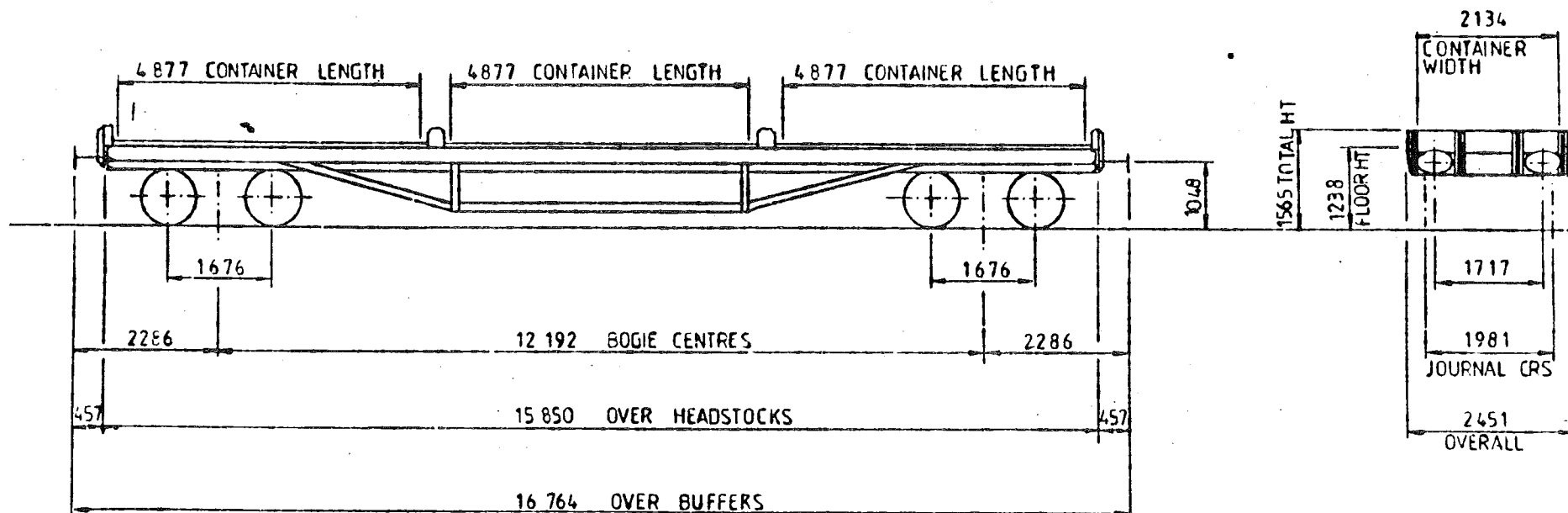
EX. BR. DIAGRAM 1/172 (ALLOCATED)

CONFLAT WAGON

FE001G

LOT NUMBER	

TOPS INFORMATION					
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA	EXCESS LENGTH
CARKND	PANEL NO.	60 mile/h UP TO		12t BRAKED TO TARE	7
F E W P	9 3 4 0	mile/h ABOVE 63 tonne GLW			



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

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

ISSUE 1

EX. BR. DIAGRAM 1/176

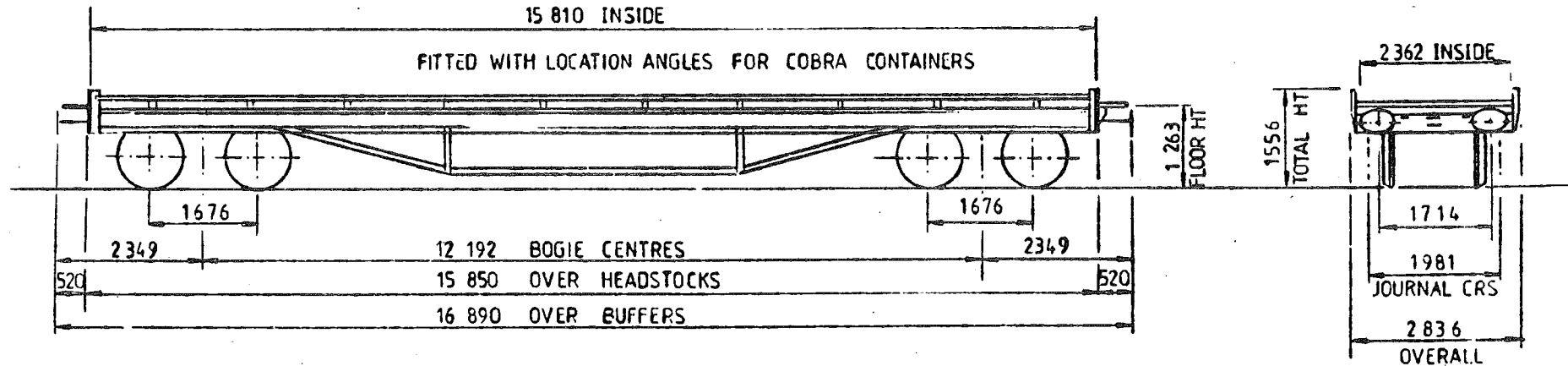
CONFLAT WAGON

FE001H

W1047

LOT NUMBER	
6005	

TOPS INFORMATION					
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA	EXCESS LENGTH
CARKND	PANEL NO.	60 mile/h UP TO		12+ BRAKED TO TARE	10
F E V C	6 0 0 5	mile/h ABOVE 50 tonne GLW			



TARE -	16 000 kg
CAPACITY, WEIGHT -	42 400 kg
CAPACITY, VOLUME -	
MIN. CURVE -	22m
GEN. ARRGT. DRG. N ^o -	SW/DE/ 35595

BRAKE -	VACUUM BLOCK, 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

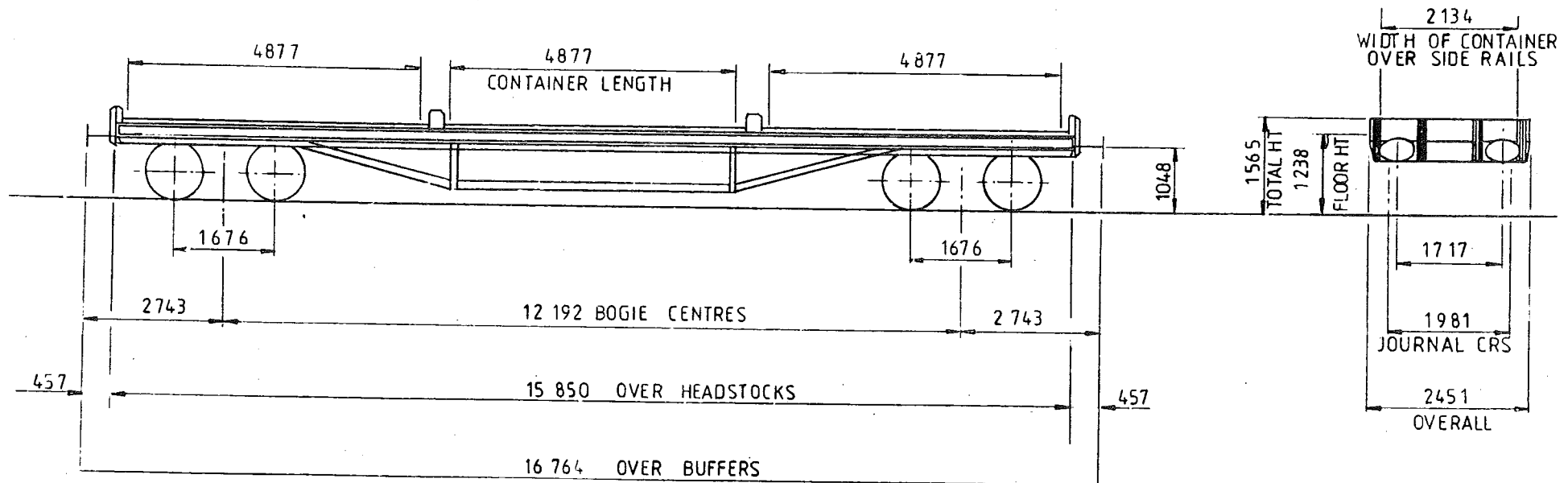
CONFLAT 'E' WAGON

FE001J

LOT NUMBER
EX 3229

EXCESS LENGTH	H	M	L	E
tonnes	32	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			FEEDBACK PAGE 1						
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	φ 952
JOURNALS	φ 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

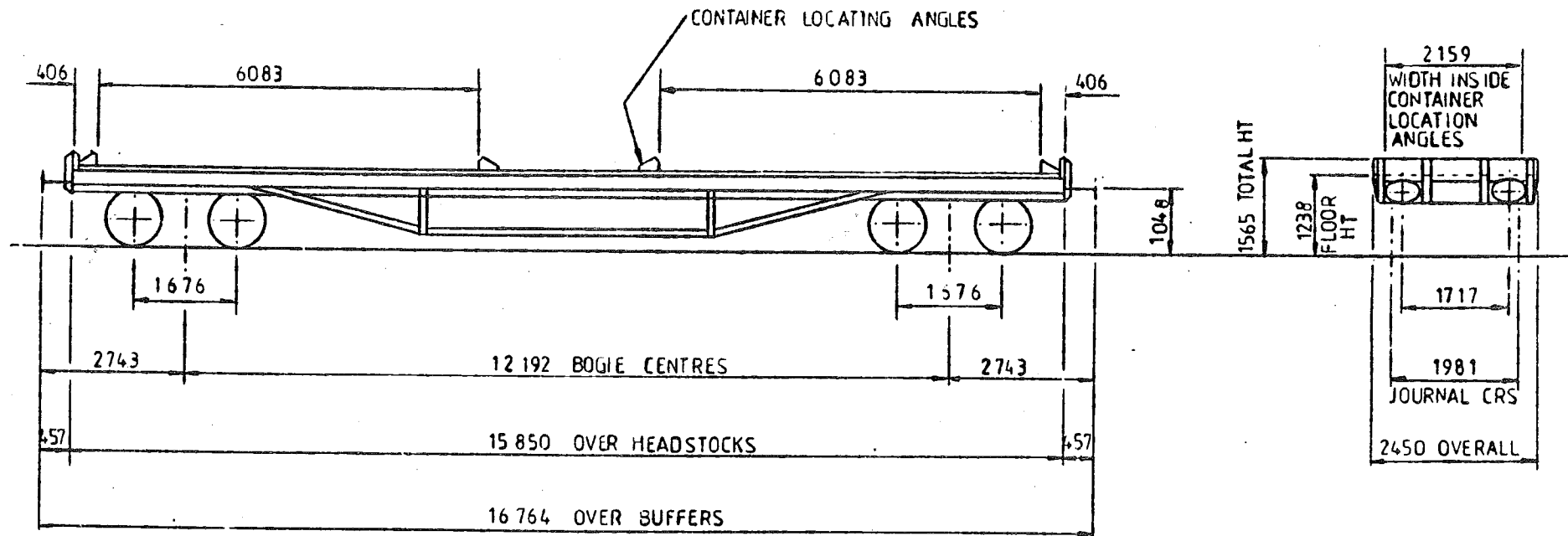
EX BR DIAGRAM 1/176 (ALLOCATED)

63t GLW CONFLAT WAGON

FE001K

LOT NUMBER	
3229	

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



TARE - 17 000 Kg (est)
CAPACITY, WEIGHT - 46 000 Kg (est)
CAPACITY, VOLUME -
MIN. CURVE - 22m
GEN. ARRGT. ORG. N ^o . - 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

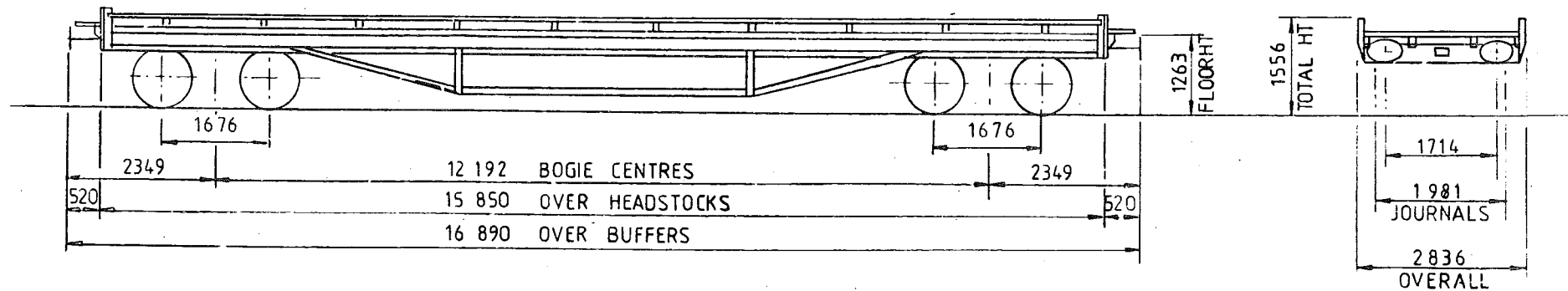
CONFLAT WAGON COBRA POTASH CONTAINERS

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	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.

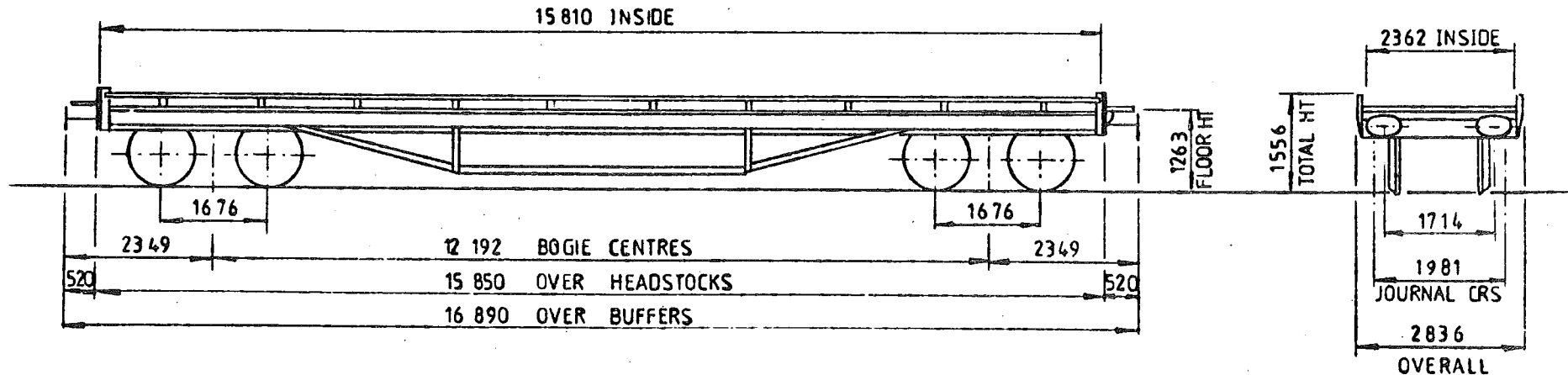
ISSUE 1

CONFLAT WAGON

FE002B

LOT NUMBER	
3229	

TOPS INFORMATION						
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA	EXCESS LENGTH	RA (GLW)
CARKND	PANEL N ^o .	60 mile/h UP TO		12 t BRAKED TO TARE	7	3
F E W C	0 3 8 4	- mile/h ABOVE				



TARE -	17 000 kg
CAPACITY, WEIGHT -	46 000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	22 m
GEN. ARRGT. DRG. N ^o -	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

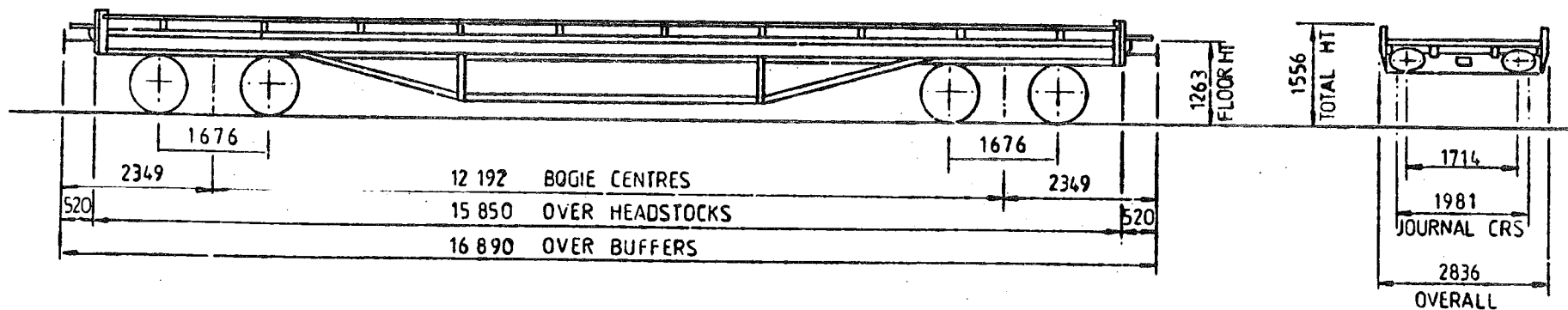
EX. BR. DIAGRAM 492

CONFLAT WAGON

FE002C

LOT NUMBER	
3229	

TOPS INFORMATION											
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH		
CARKND		PANEL NO.		60 mile/h UP TO			12+ BRAKED TO TARE		7		
F	E	V	C	0	1	7	9	-mile/h ABOVE			60 tonne GLW



TARE -	17 000 Kg
CAPACITY, WEIGHT -	42 500 Kg
CAPACITY, VOLUME -	
MIN. CURVE -	22 m
GEN. ARRGT, DRG. NO. -	SW/DE/35595 F.S-18284

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

ISSUE 1

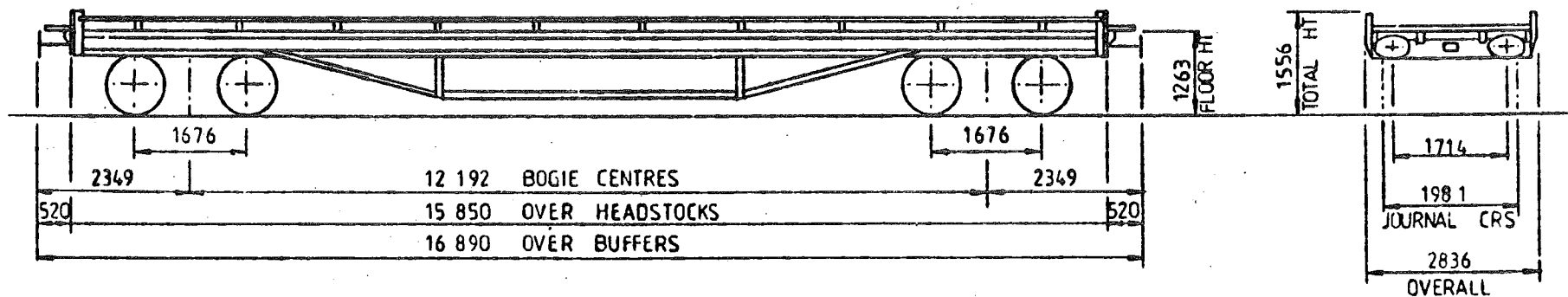
CONFLAT WAGON

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 † BRAKED TO TARE	7
F E W C	6 1 1 6	mile/h ABOVE 58 tonne GLW			



TARE -	15 400 Kg
CAPACITY, WEIGHT -	42 600 Kg
CAPACITY, VOLUME -	
MIN. CURVE -	22 m
GEN. ARR. DRG. N ^o -	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

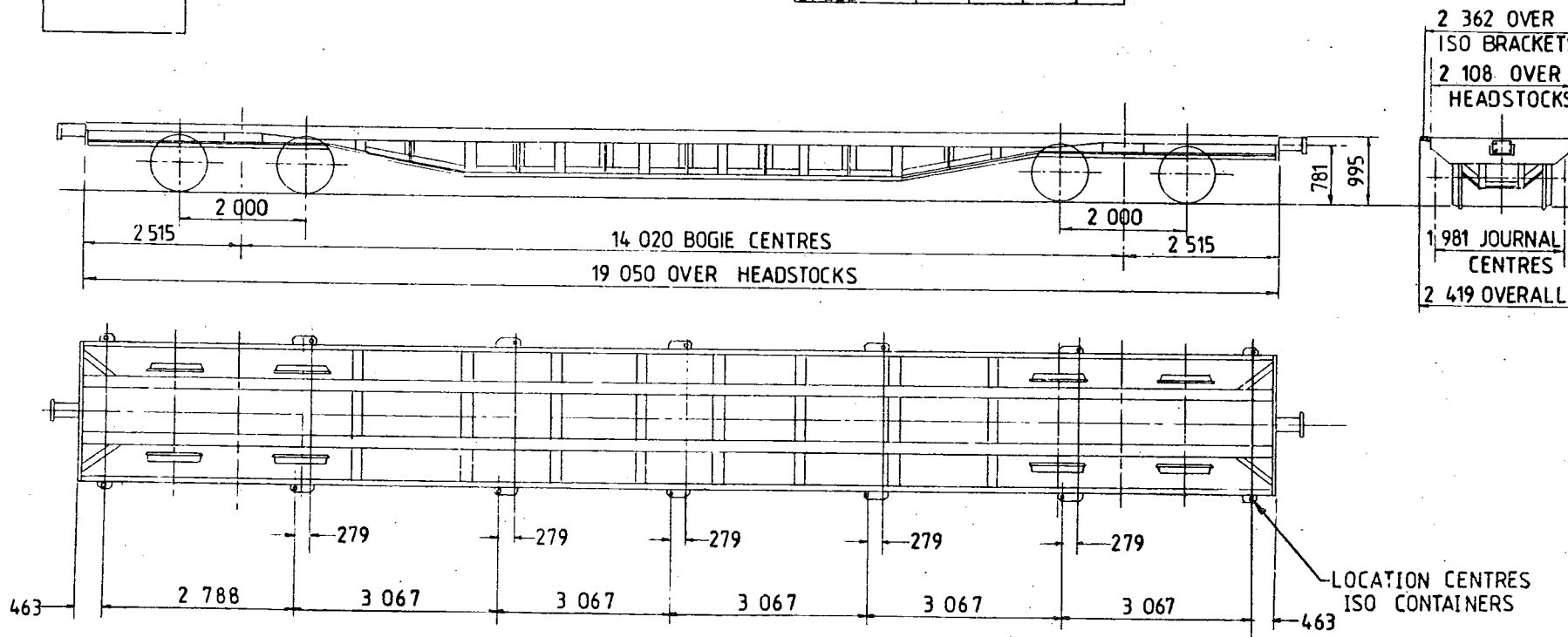
FREIGHTLINER INNER VEHICLE

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 19 700 kg
CARRYING CAPACITY - 52 000 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. - DE 12291 & F-A0-6430
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - SECONDARY COIL

issue 2

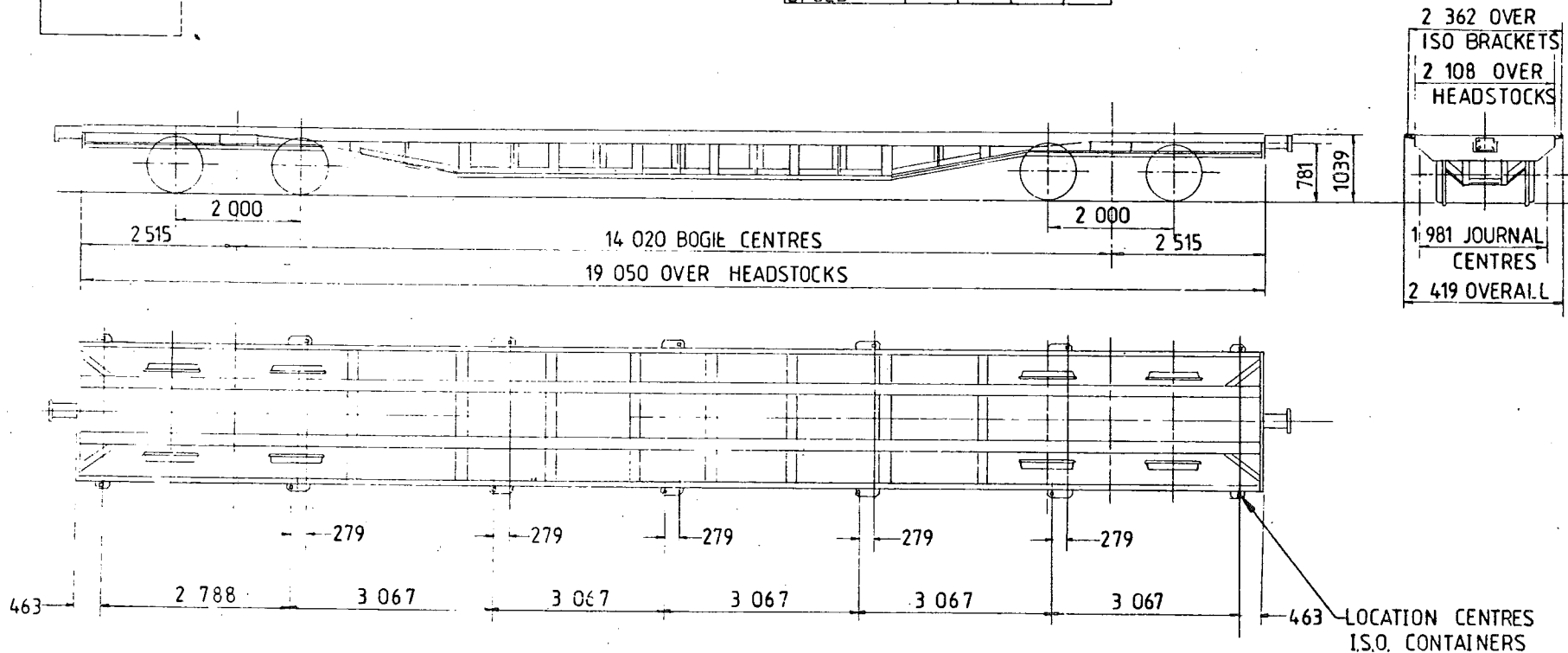
FREIGHTLINER INNER VEHICLE

FF001B

LOT NUMBER
3621 3626
3638 3653
PART 3652

EXCESS LENGTH	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 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

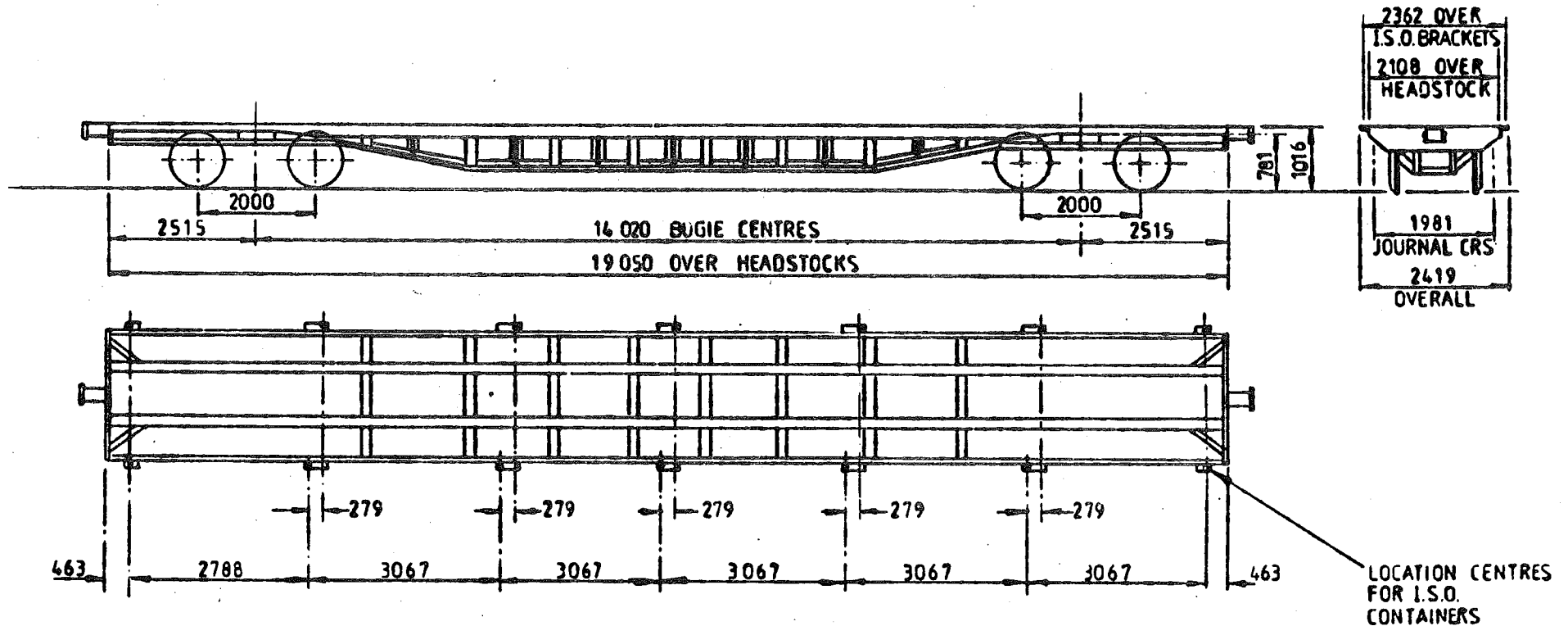
issue 2

FREIGHTLINER INNER VEHICLE

FF001C

LOT NUMBER	
3676	3689
3691	3712

TOPS INFORMATION				
AARRND	OPERATING	OPERATING SPEED		EXCESS LENGTH
CARKND	PANEL NO.	75 mile/h UP TO	72 tonne GLW	10
F F A F	F 7 0 1 7	55 mile/h ABOVE		
BRAKE FORCE DATA				
-6.844 x (10.742 x tonnes)				



TARE -	20 000 kg
CAPACITY, WEIGHT -	62 000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	71m
GEN. ARRGT. DRG. NO. -	F-S-581 F-S-2403

BRAKE -	AIR DISC, HAND SCREW
SUSPENSION -	SECONDARY COIL (F/L1 BOGIES)
COUPLINGS -	BAR COUPLER
BUFFERS -	---
WHEELS -	DIA 812
JOURNALS -	124 DIA ROLLER BEARINGS

ISSUE 1

EX. BR. DIAGRAM 1/126

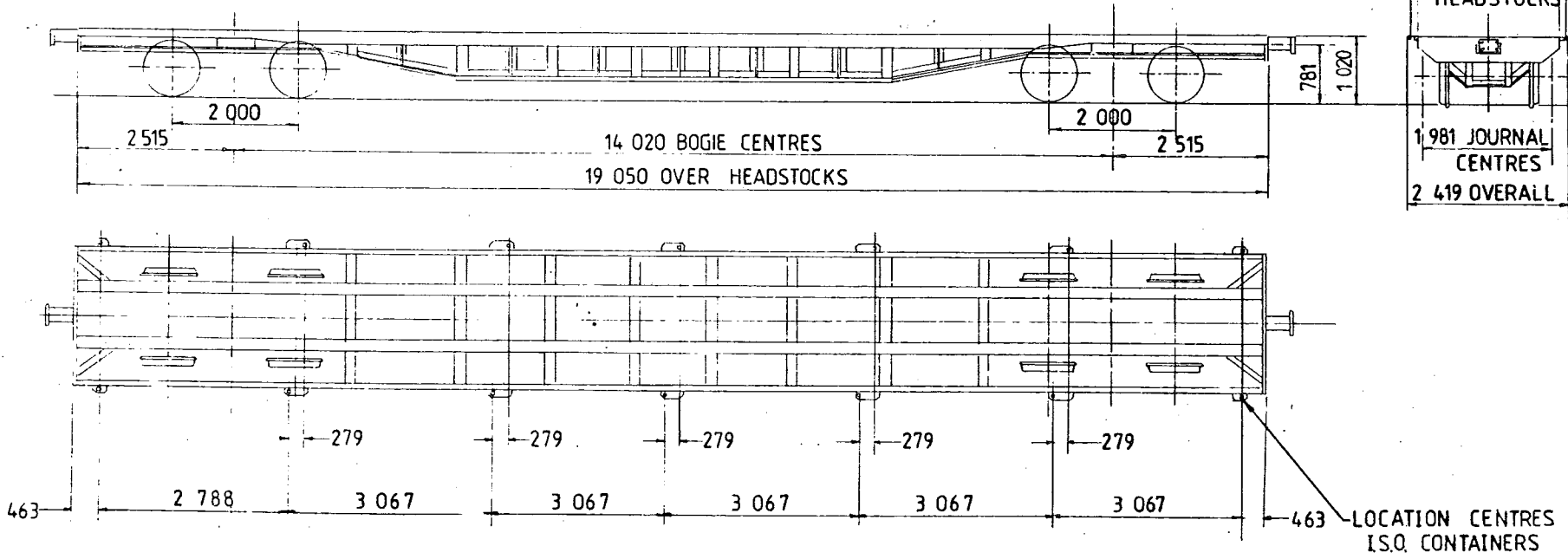
FREIGHTLINER INNER VEHICLE

FF001D

LGT NUMBER
3742
3766
3768
3806
3848

EXCESS LENGTH	H	M	L	E
10 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

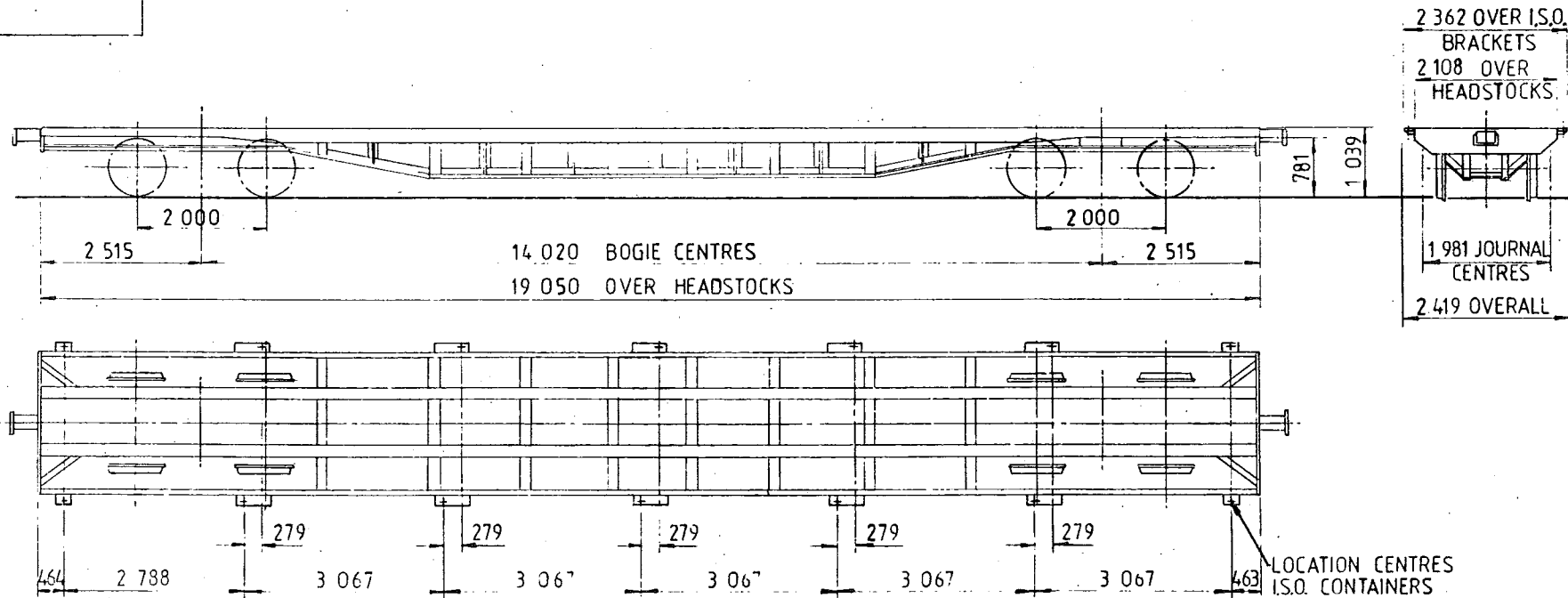
FREIGHTLINER INNER VEHICLE

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	19 700 kg
CARRYING CAPACITY—	62 000 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

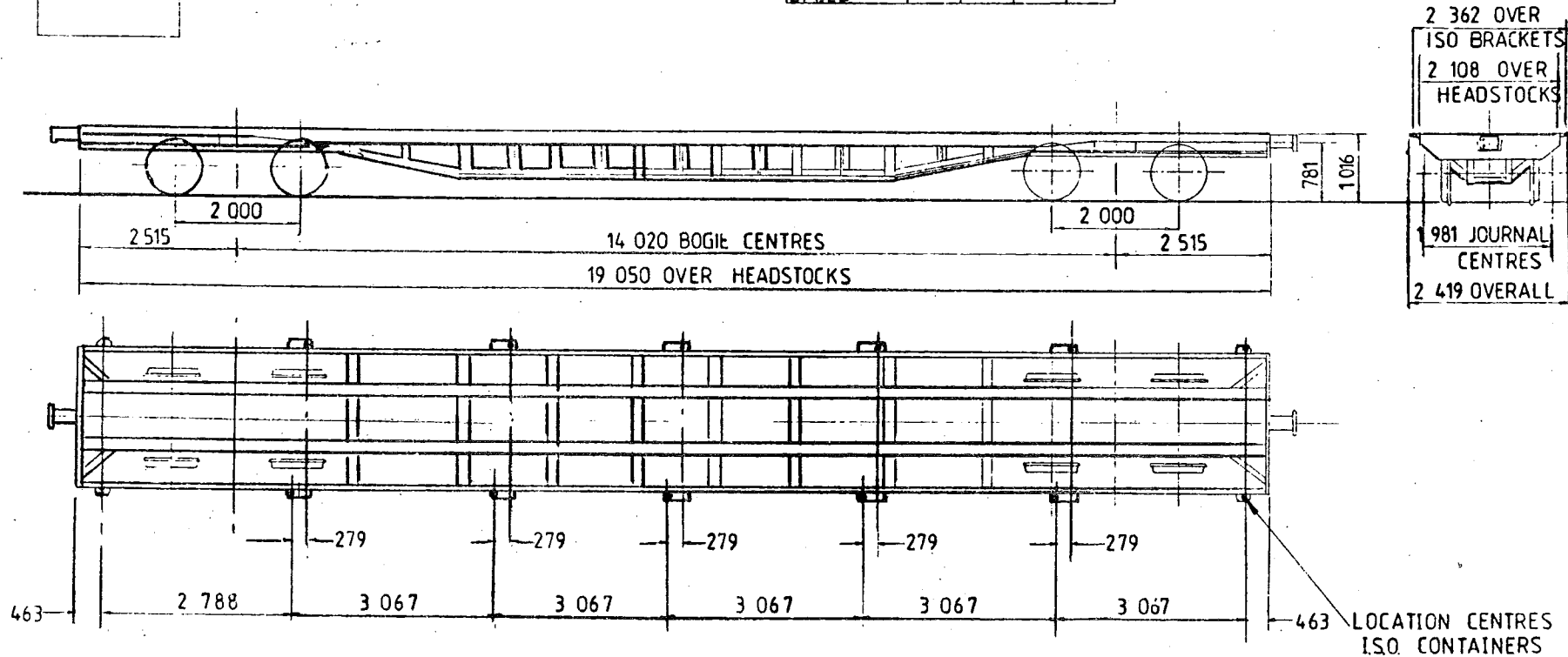
FREIGHTLINER INNER VEHICLE

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 19700 kg
CARRYING CAPACITY - 62000 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

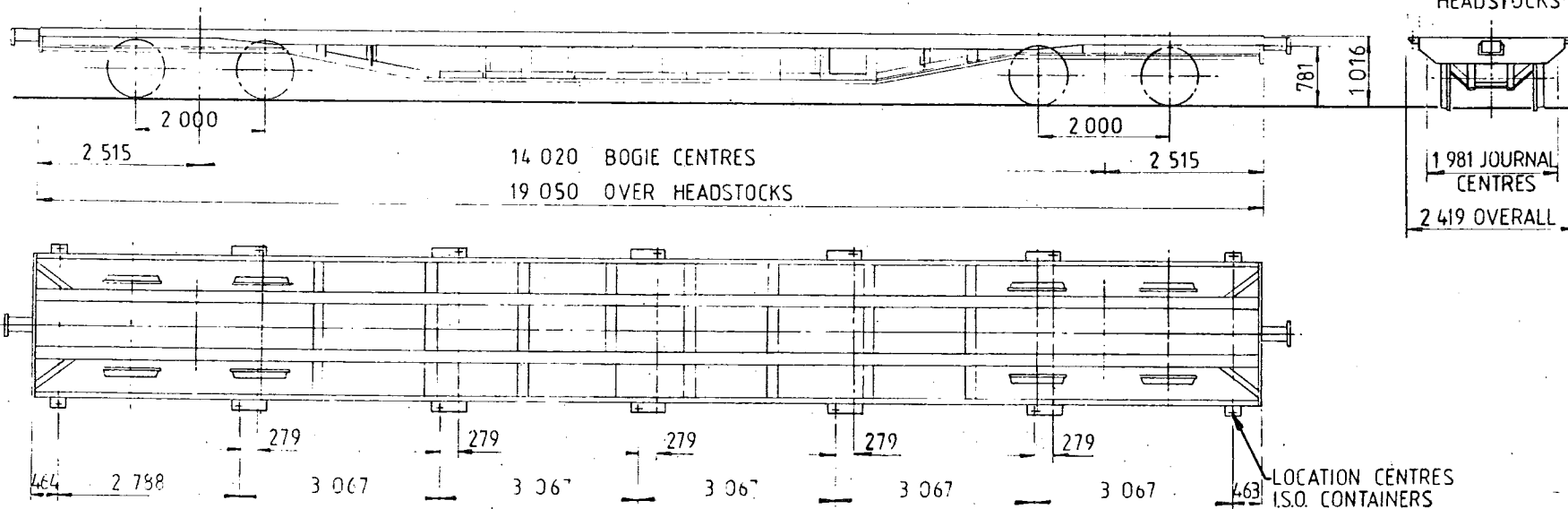
FREIGHTLINER INNER VEHICLE

FF001G

LOT NUMBER	
PART	3652

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		
F	F	A	F	F	A	F	7	0
							1	7



2 362 OVER I.S.O.
BRACKETS
2 108 OVER
HEADSTOCKS

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

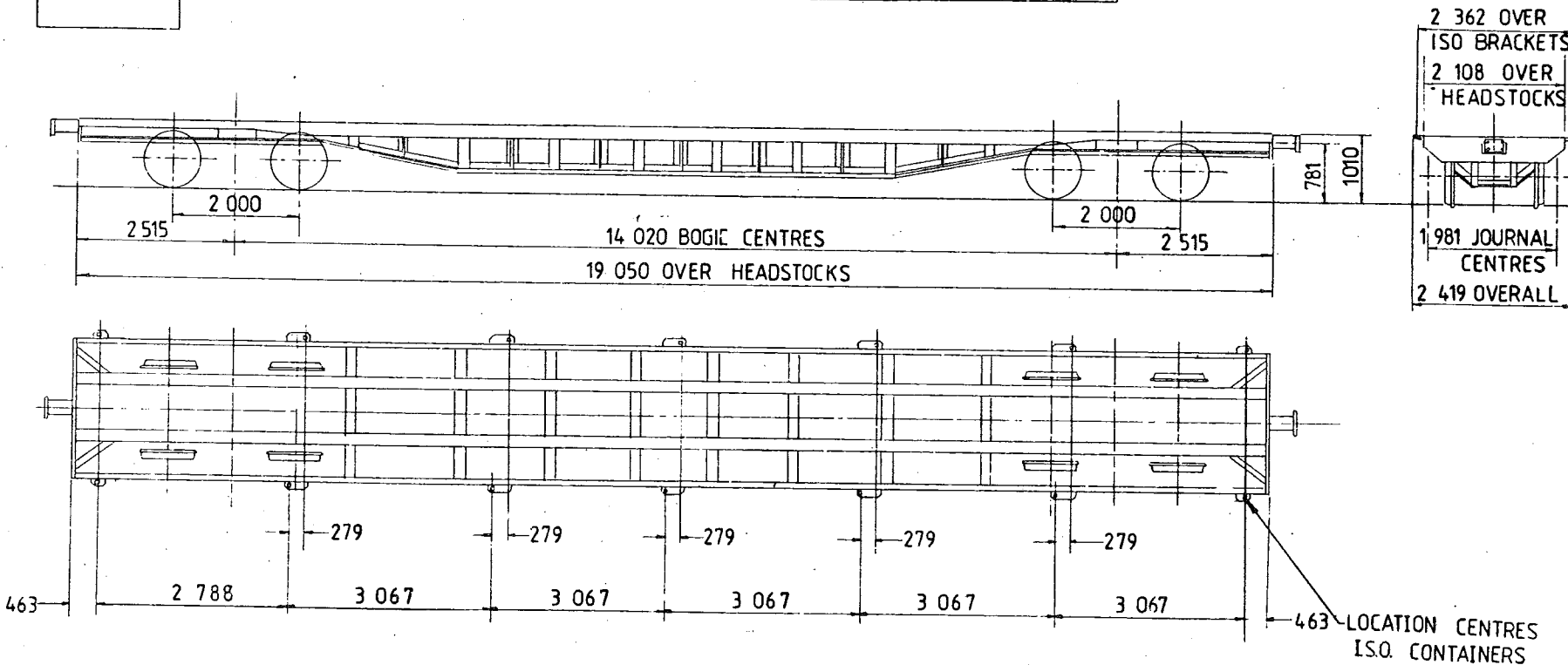
FREIGHTLINER INNER VEHICLE

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	F	A	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

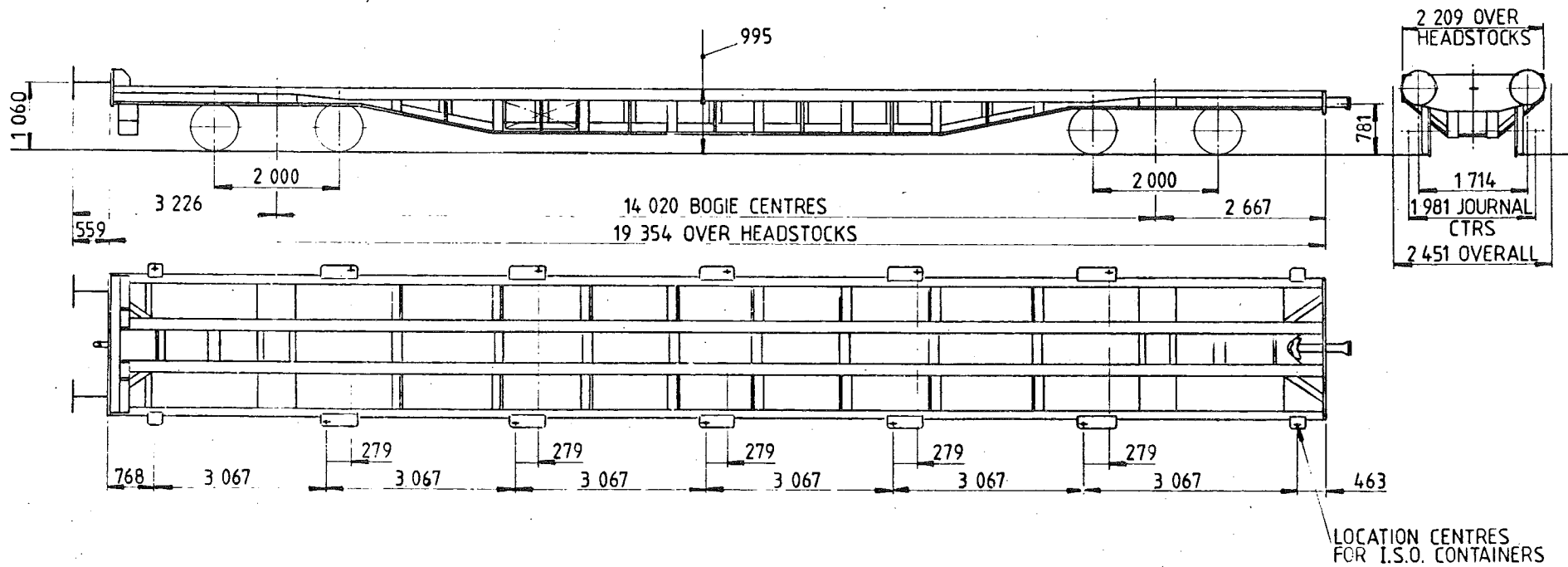
FREIGHTLINER OUTER VEHICLE

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. ARRG. DRG. No.	DE 12357
BRAKE	AIR DISC, HAND SCREW
SUSPENSION	SECONDARY COIL

issue 3

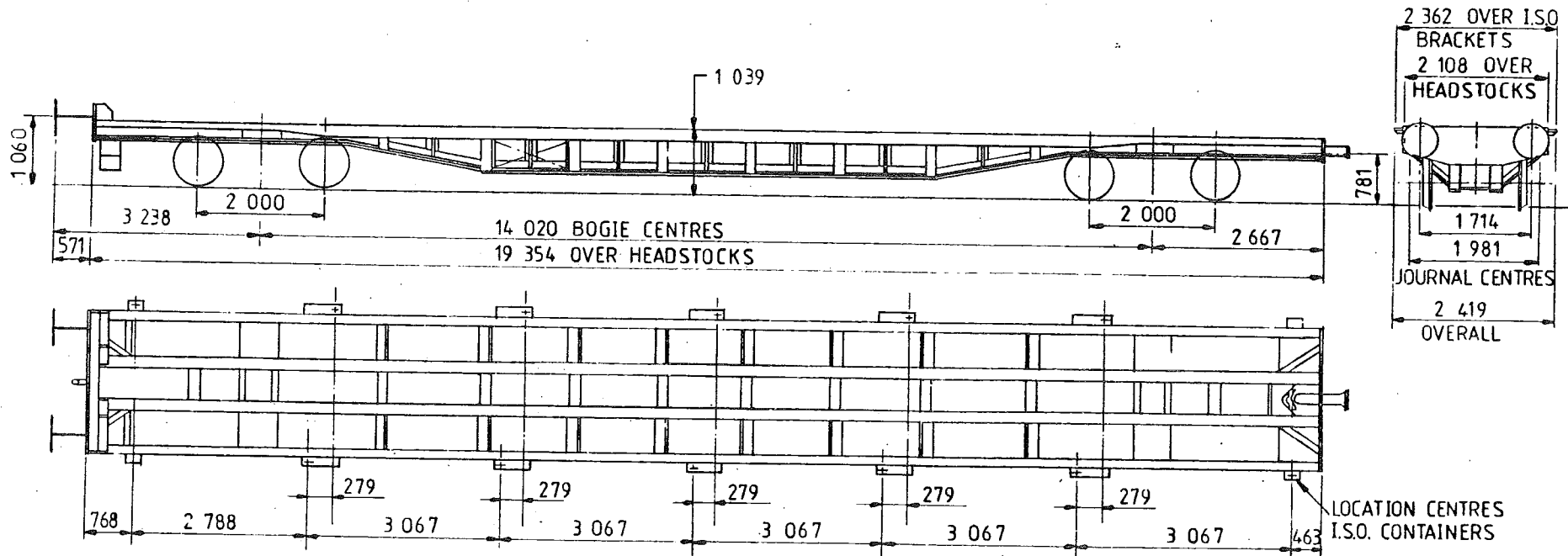
FREIGHTLINER OUTER VEHICLE

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

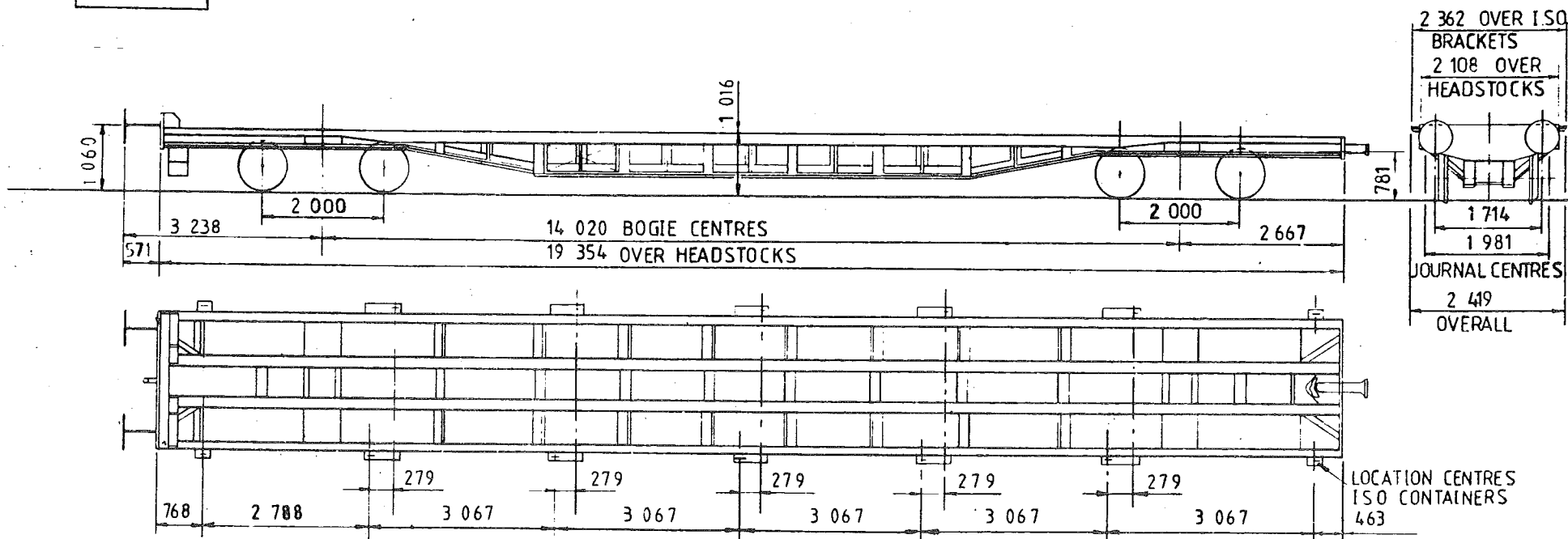
FREIGHTLINER OUTER VEHICLE

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 PANEL N.					
F	G	B	F	G	B	F	7	0	4	2



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 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

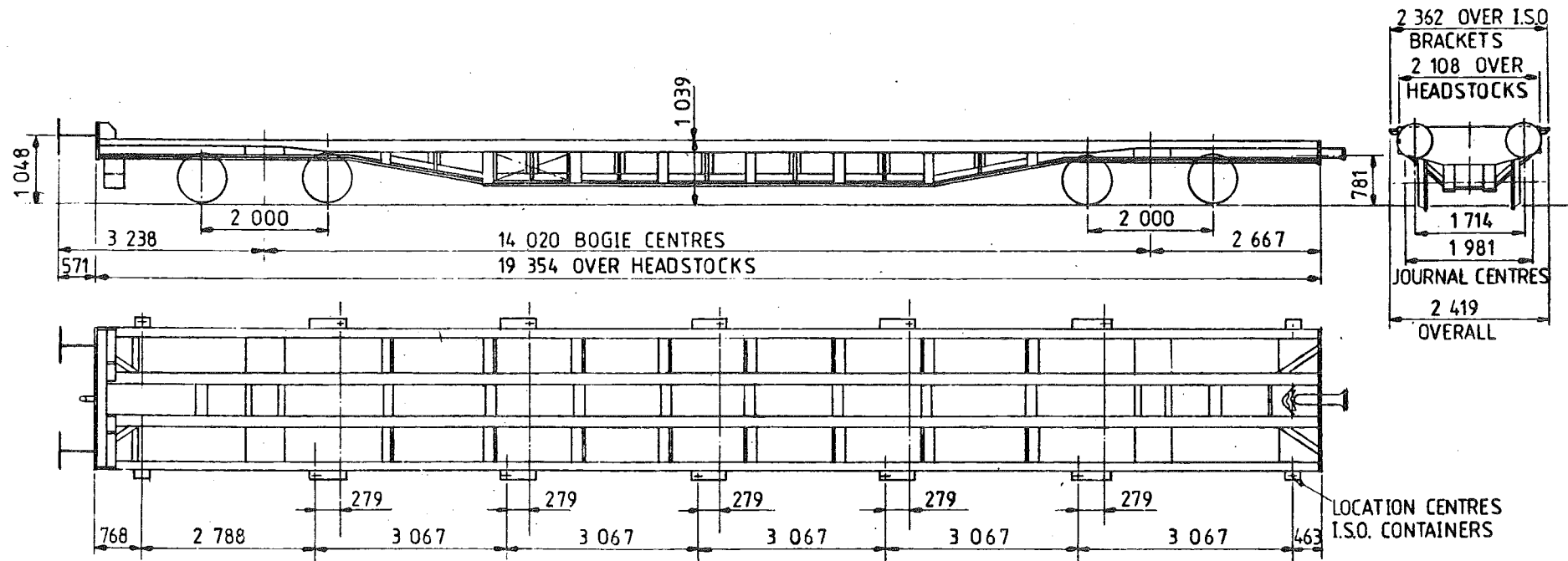
FREIGHTLINER OUTER VEHICLE

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 71m
GEN. ARRGT. DRG. No. - F-S-2323
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - PRIMARY COIL

issue 2

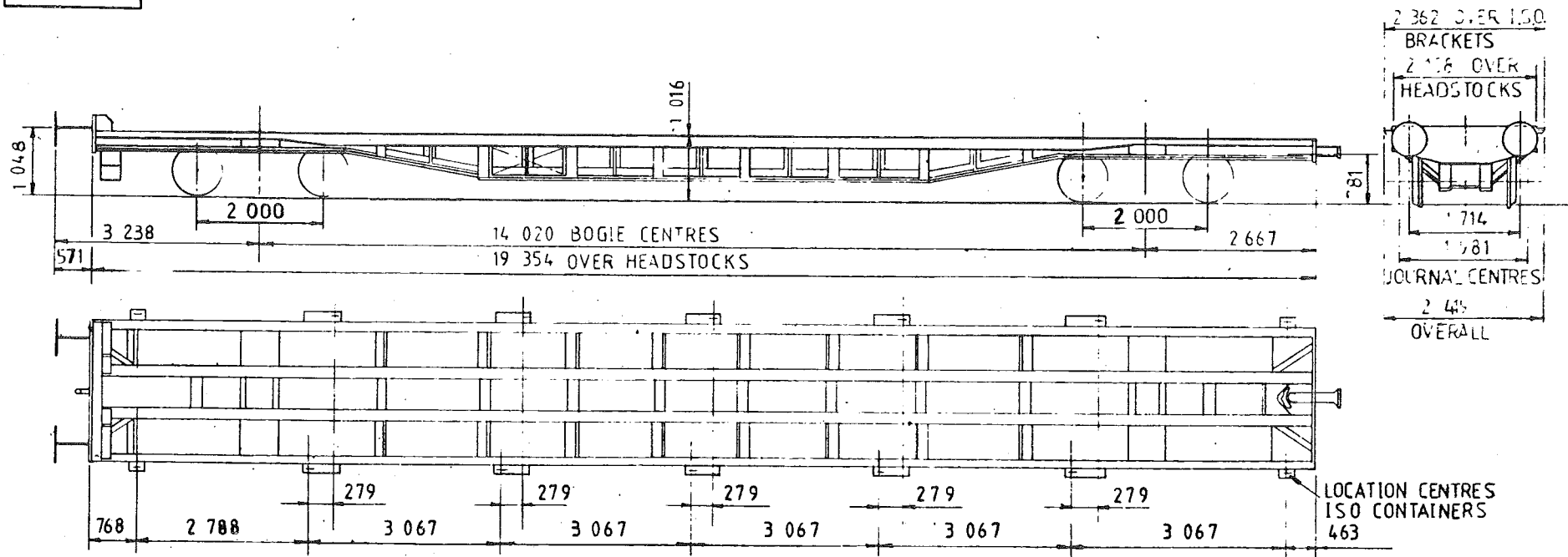
FREIGHTLINER OUTER VEHICLE

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

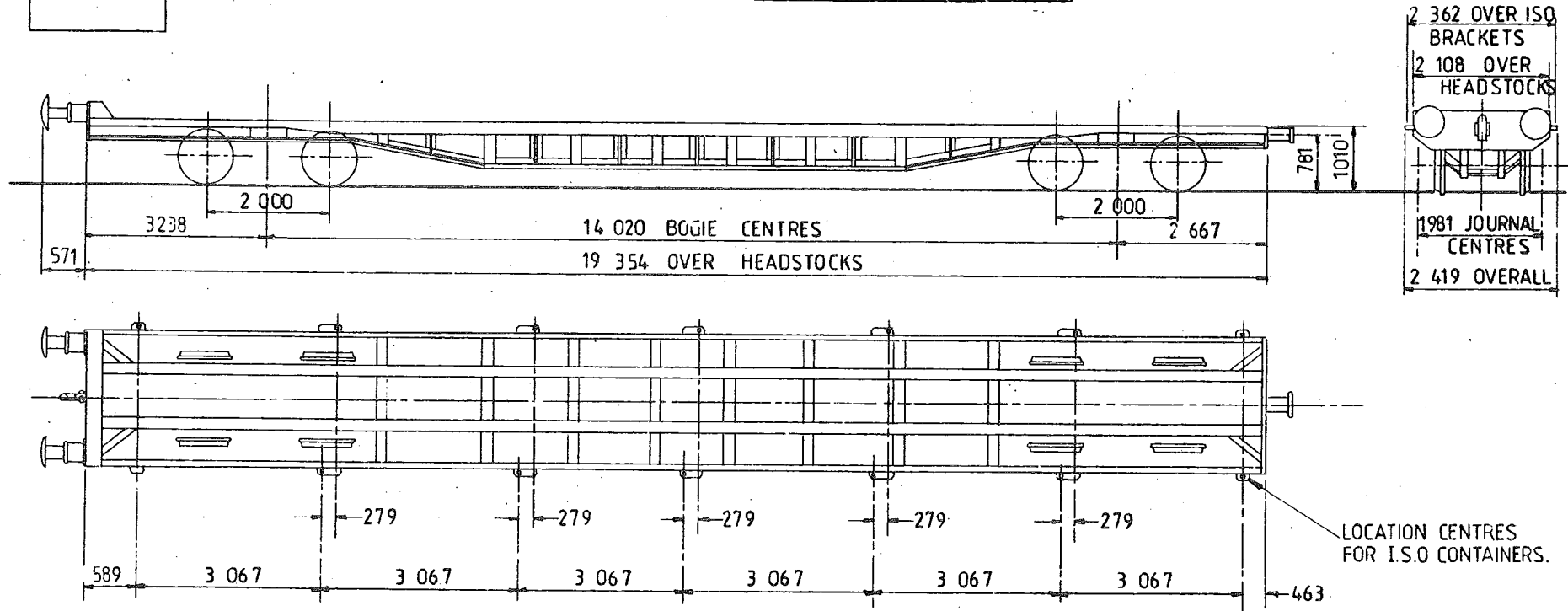
FREIGHTLINER OUTER VEHICLE

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 - 20 ²⁰⁰ kg
CARRYING CAPACITY - 62 ⁹⁰⁰ 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

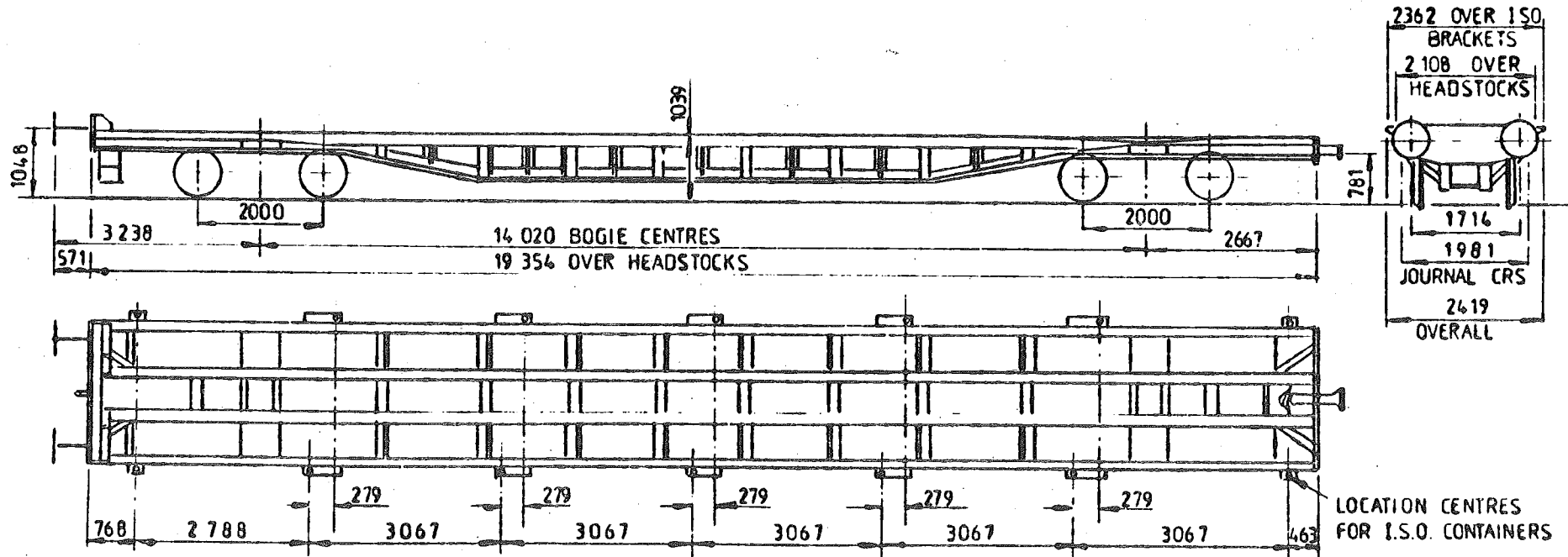
EX BR DIAGRAM 1 / 84

FREIGHTLINER OUTER VEHICLE

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		72 tonne GLW -6.066 • (0.742 × ↑)	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. N ^o -	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

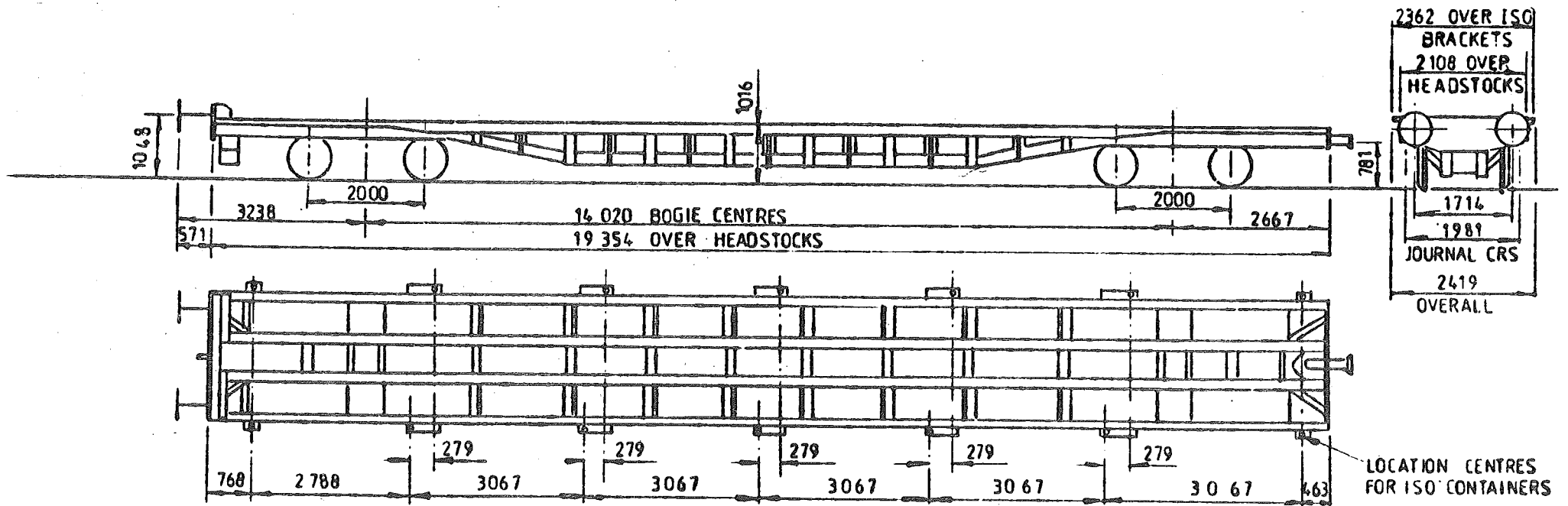
EX. BR. DIAGRAM 1/123

FREIGHTLINER OUTER VEHICLE

FG004 J

LOT NUMBER	
	3718

TOPS INFORMATION							
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA	EXCESS LENGTH	RA (GLW)	
CARKND	PANEL NO.	75 mile/h UP TO					
F G A F	7 0 1 9	55 mile/h ABOVE		72 tonne GLW	-6.844 (0.742 x ↑)	11	
						6	



TARE -	20200 kg
CAPACITY, WEIGHT -	52000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	71 m
GEN. ARRGT. DRG. N ^o -	DE/12672 F-S-6666

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 1/125

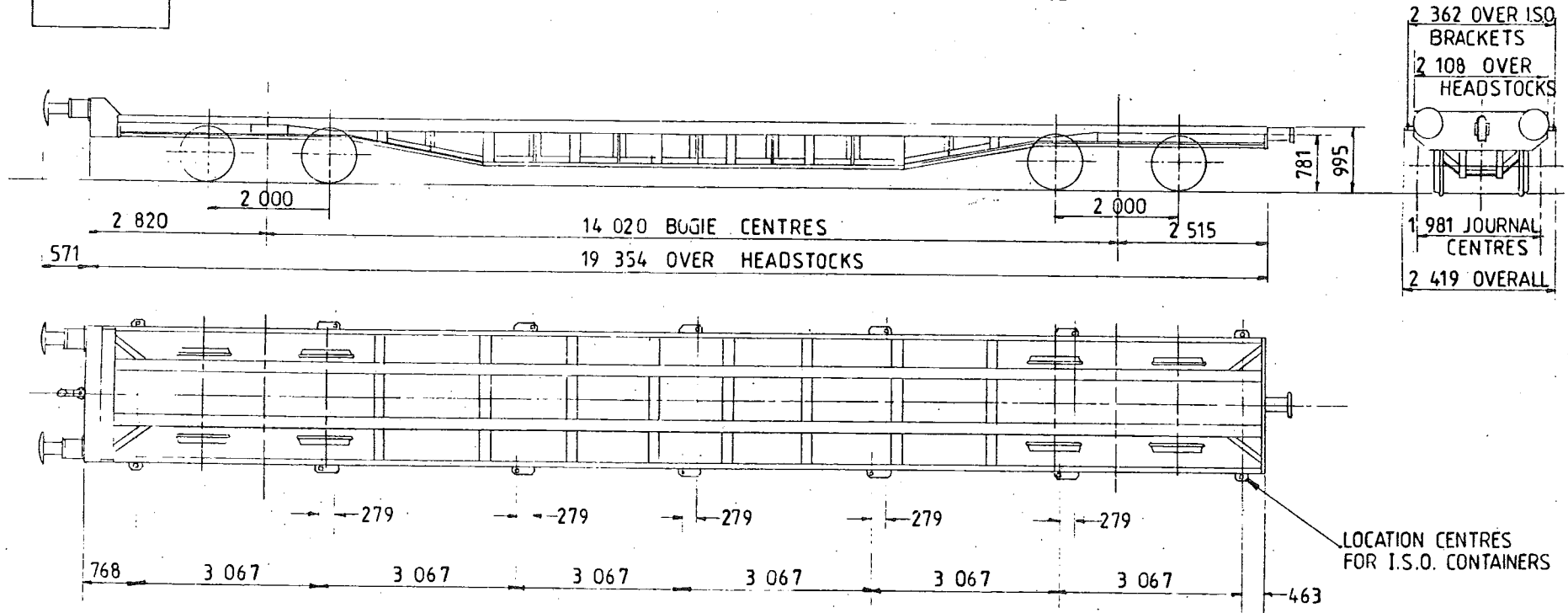
FREIGHTLINER OUTER VEHICLE

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

BUFFERS - HYDRAULIC 559 DIA HEADS
COUPLINGS - B R SCREW (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

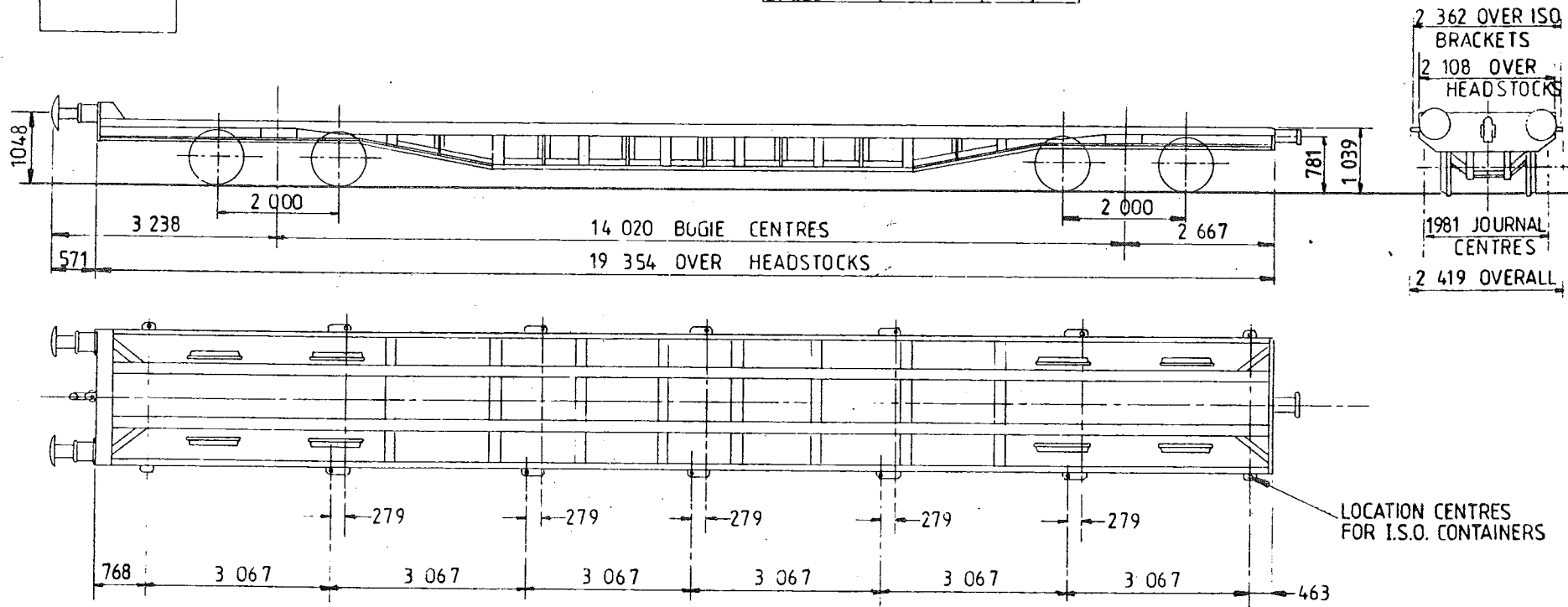
FREIGHTLINER OUTER VEHICLE

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			OPERATING PARTS				
F	G	A	F	G	A	F	7	1	4	8



TARE	20 ²⁰⁰ 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

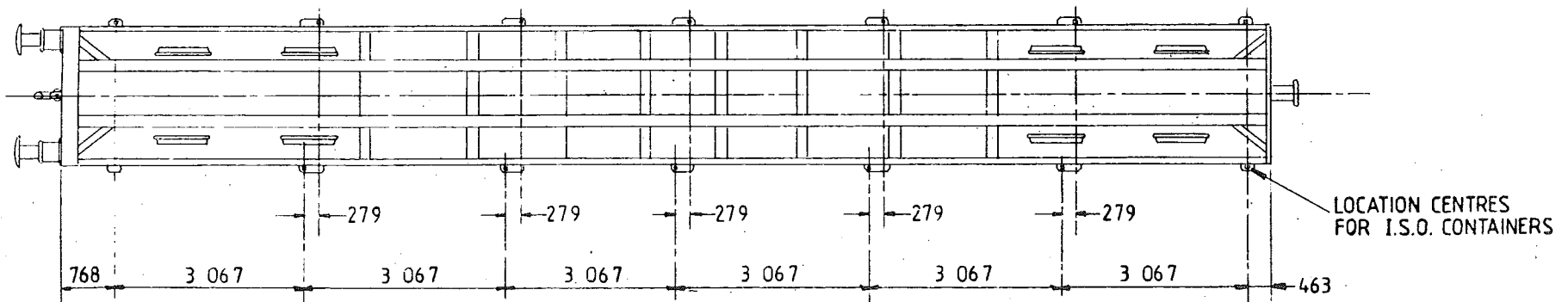
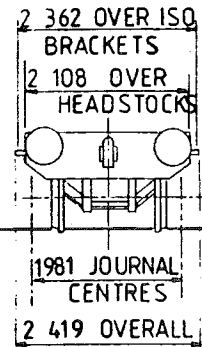
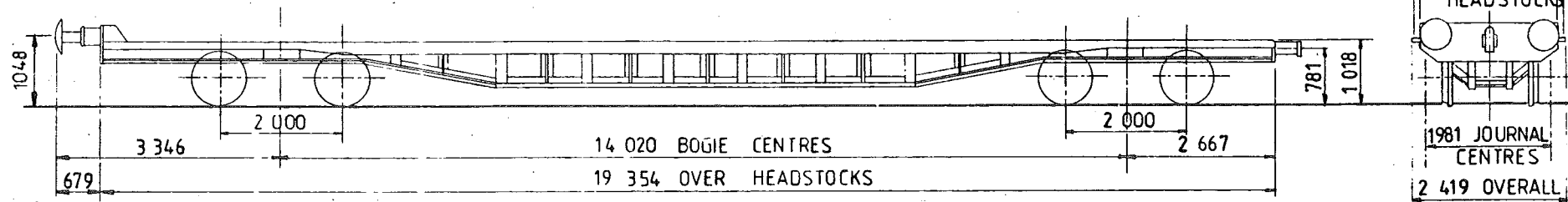
FREIGHTLINER OUTER VEHICLE

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 PANEL No		
F	G	A	F	G	A	F	7	0
4	3							



TARE	20 ⁰⁰⁰ 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 - 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

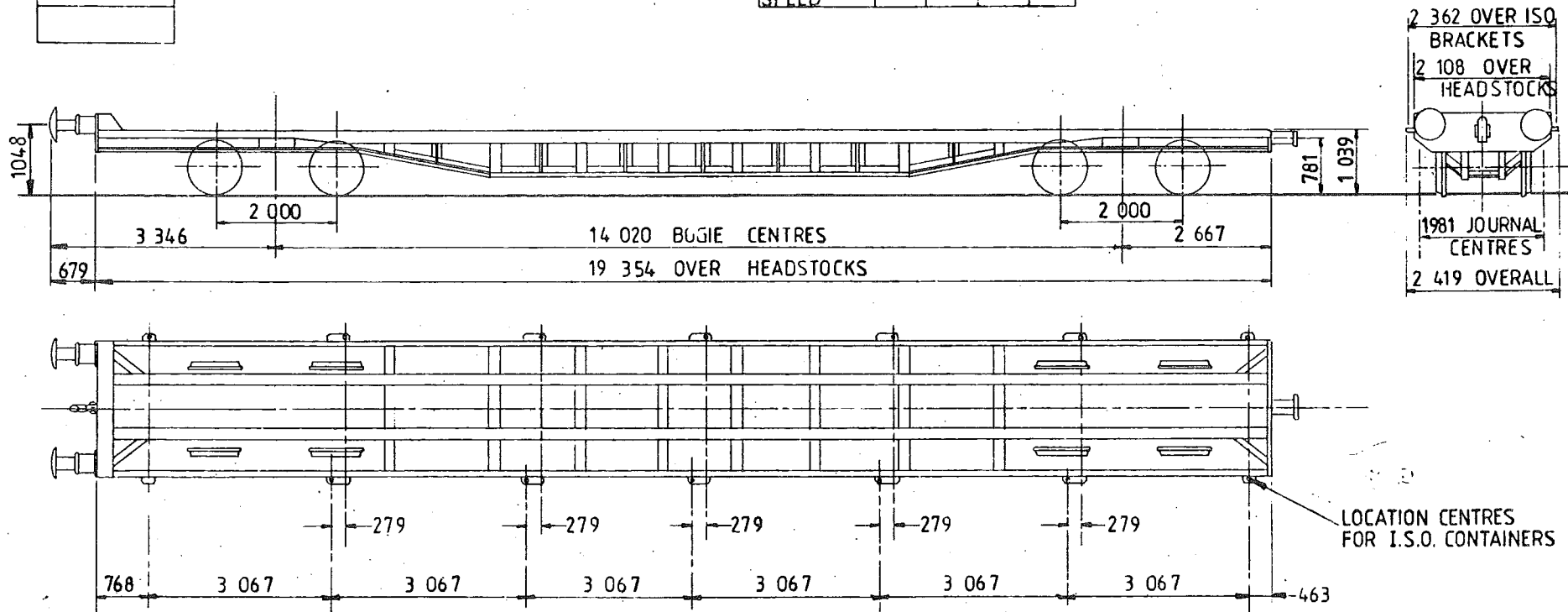
FREIGHTLINER OUTER VEHICLE

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 - 20 ⁰⁰⁰ 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 - 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

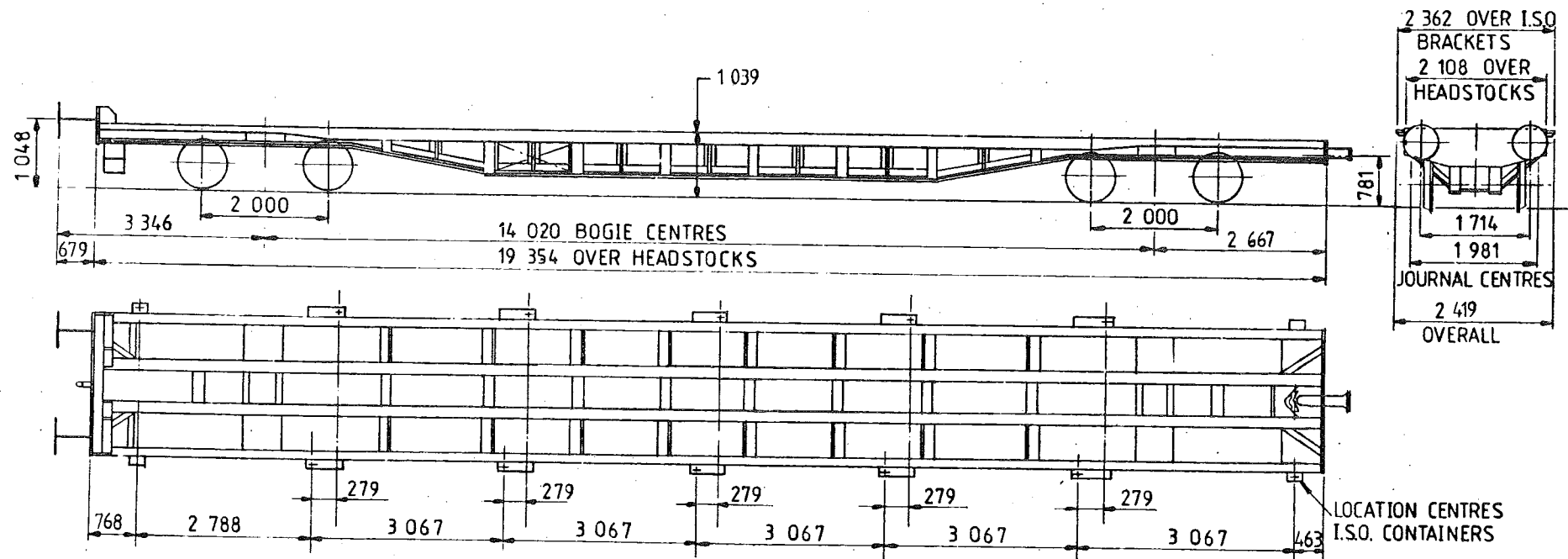
FREIGHTLINER OUTER VEHICLE

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

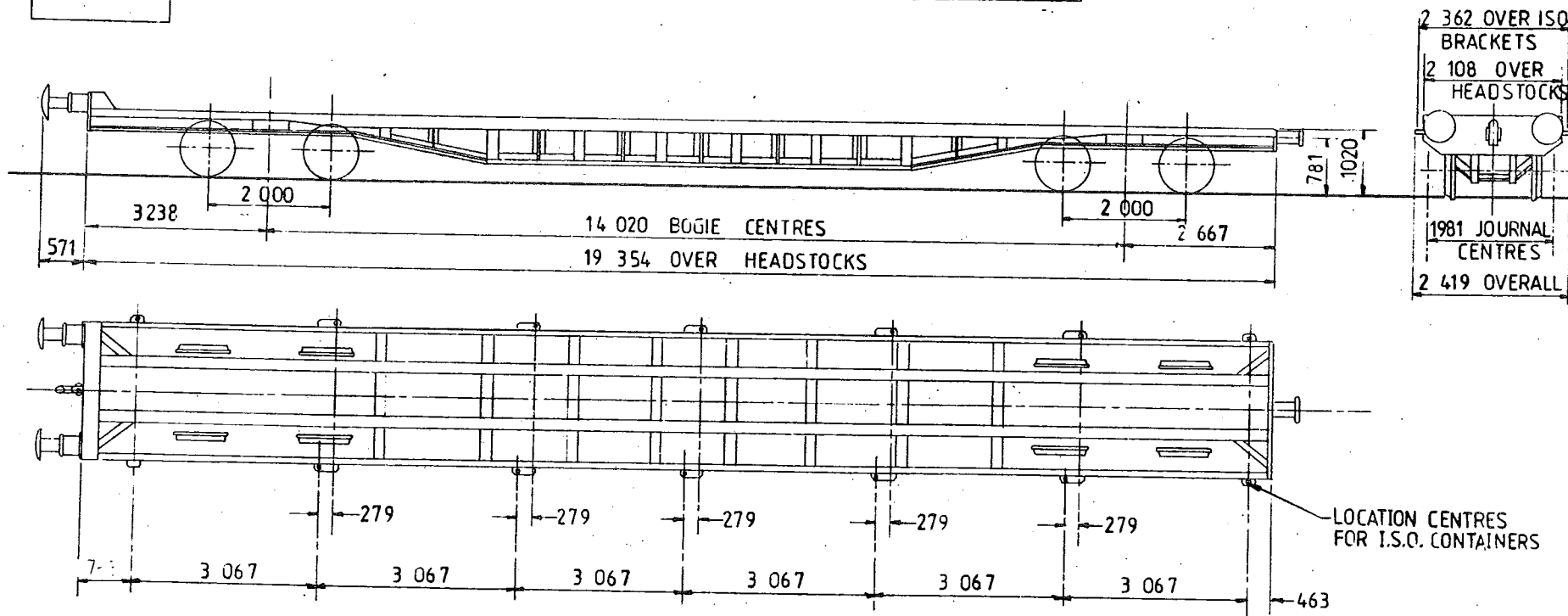
FREIGHTLINER OUTER VEHICLE

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 - 20 ⁰⁰⁰ 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 - BAK COUPLER OUTER END - BR SCREW
MIN. CURVE - 71 m
GEN. ARRG. DRG. No. - F-S-581
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - PRIMARY COIL

Issue 1

EX BR DIAGRAM 1 / 84

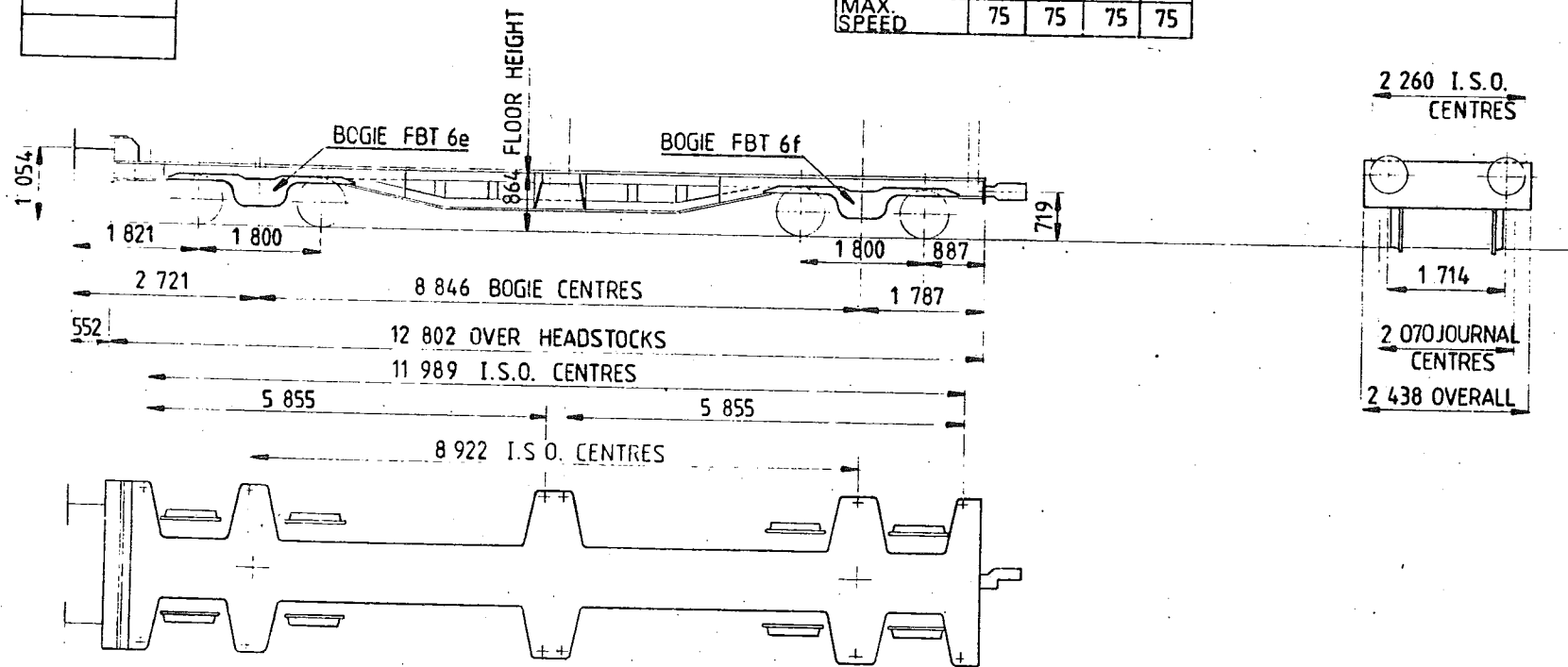
LOWLINER OUTER VEHICLE

FH001A

LOT NUMBER
3729

EXCESS LENGTH	H	M	L	E
tonnes	64	46	28	16
VB				
AB	40	32	20	12
RA	3	1	1	1
MAX. SPEED	75	75	75	75

TOPS CODE										
CARKND		AARKND			OPERATING PANEL No					
F	H	A	F	H	A	E	7	0	4	0



TARE - 15 700 kg
CARRYING CAPACITY - 49 000 kg
CAPACITY -
MAX. SPEED - 75 mile / h
WHEELS - 724 DIA.
JOURNALS - 120 DIA. ROLLER BEARINGS

BUFFERS - HYDRAULIC 559 DIA. HEADS
COUPLINGS - SCREW COUPLING & BAR COUPLER
MIN. CURVE - 71m
GEN. ARRGT. DRG. No. - F-S-3612
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - PRIMARY COIL

issue 2

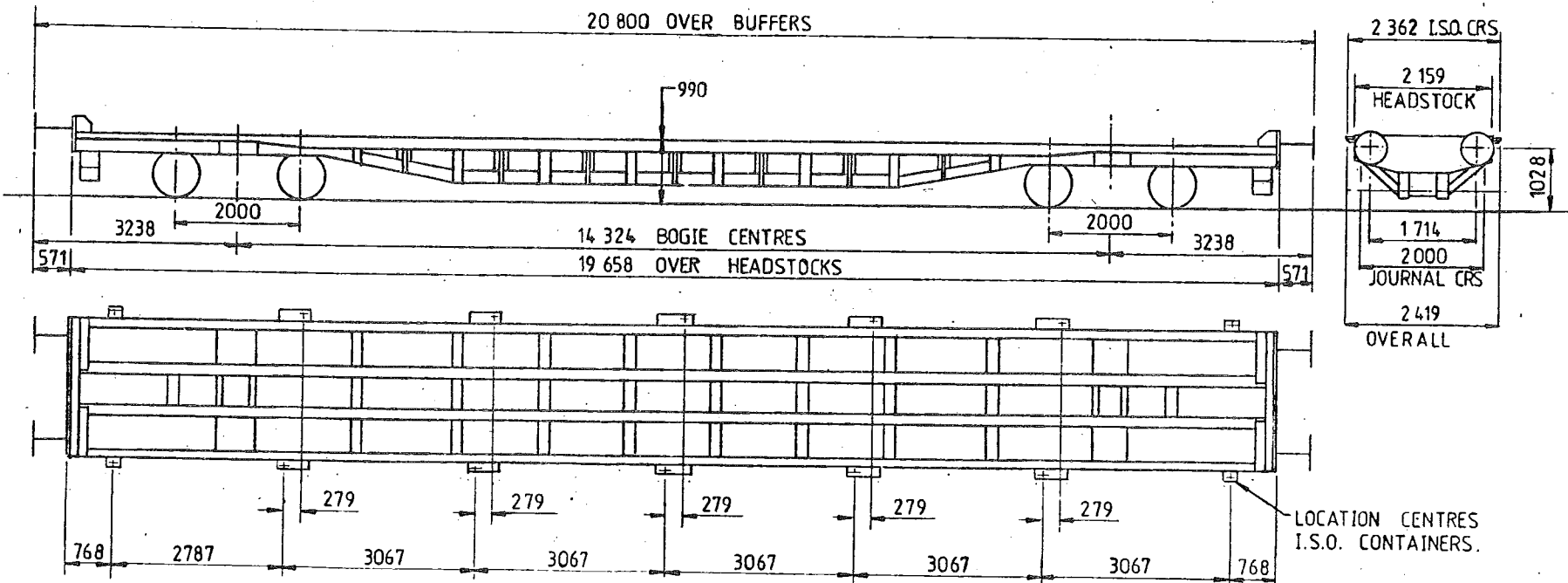
FREIGHTLINER VEHICLE

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.	C 12515
BRAKE	AIR DISC, VAC PIPE, HAND SCREW.
SUSPENSION	PRIMARY COIL

FITTED WITH THRO' STEAM PIPE

Issue 2

Ex BR DIAGRAM 1/122

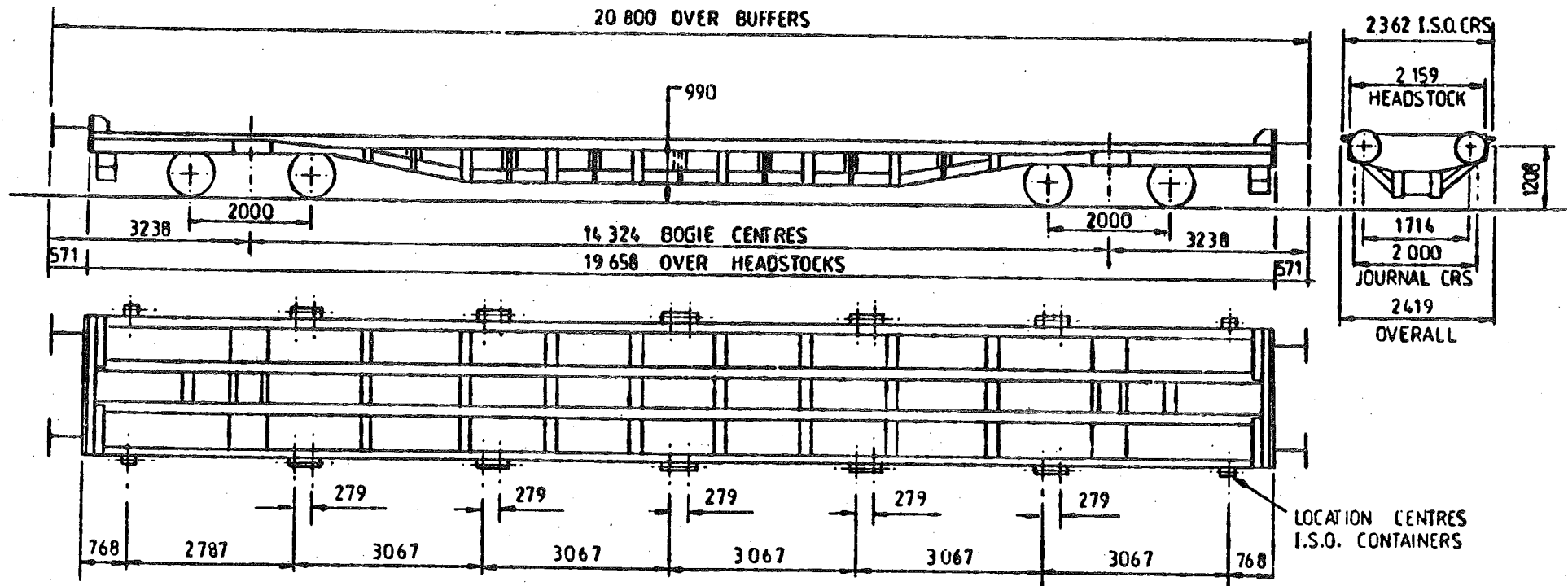
82 t G.L.W. FREIGHTLINER WAGON

FJ001C

W 1312

LOT NUMBER	
3980	
3926	

TOPS INFORMATION					
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA	EXCESS LENGTH 13
CARKND	PANEL NO.	75 mile/h UP TO	82 tonne GLW	VARIABLE -16 + (0.9 x t)	
F J B		mile/h ABOVE			



TARE -	21 000 Kg
CAPACITY, WEIGHT -	61 000 Kg
CAPACITY, VOLUME -	—
MIN. CURVE -	71m
GEN. ARRGT. DRG. NO. -	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 1

EX. BR. DIAGRAM 1 / 086

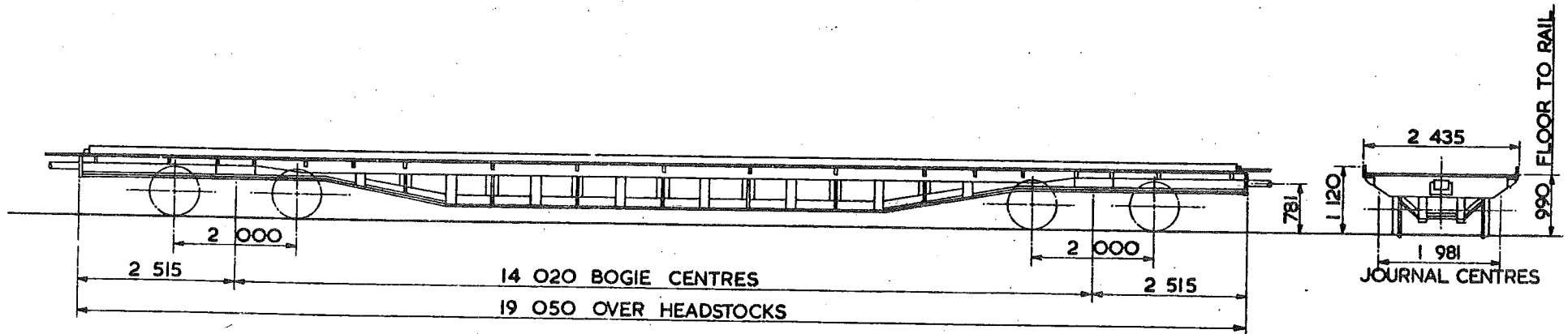
FREIGHT FLAT INNER VEHICLE

FMOO1A

LOT NUMBER
EX 3499

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.		
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 -	912 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 1/309

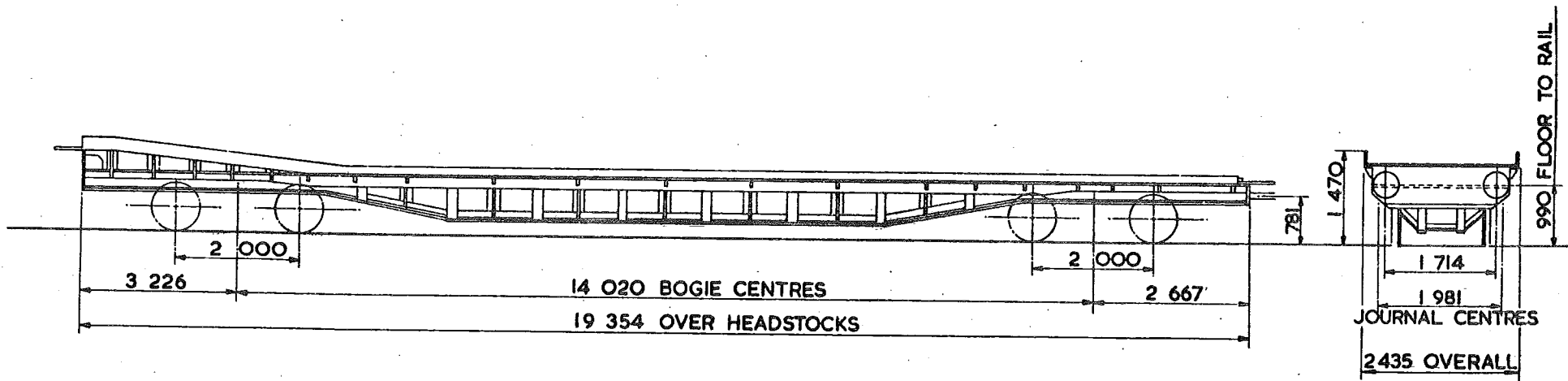
FREIGHT FLAT OUTER VEHICLE

FMOO2A

LOT NUMBER
EX 3498

EXCESS LENGTH II	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	D	3	0	1	7



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

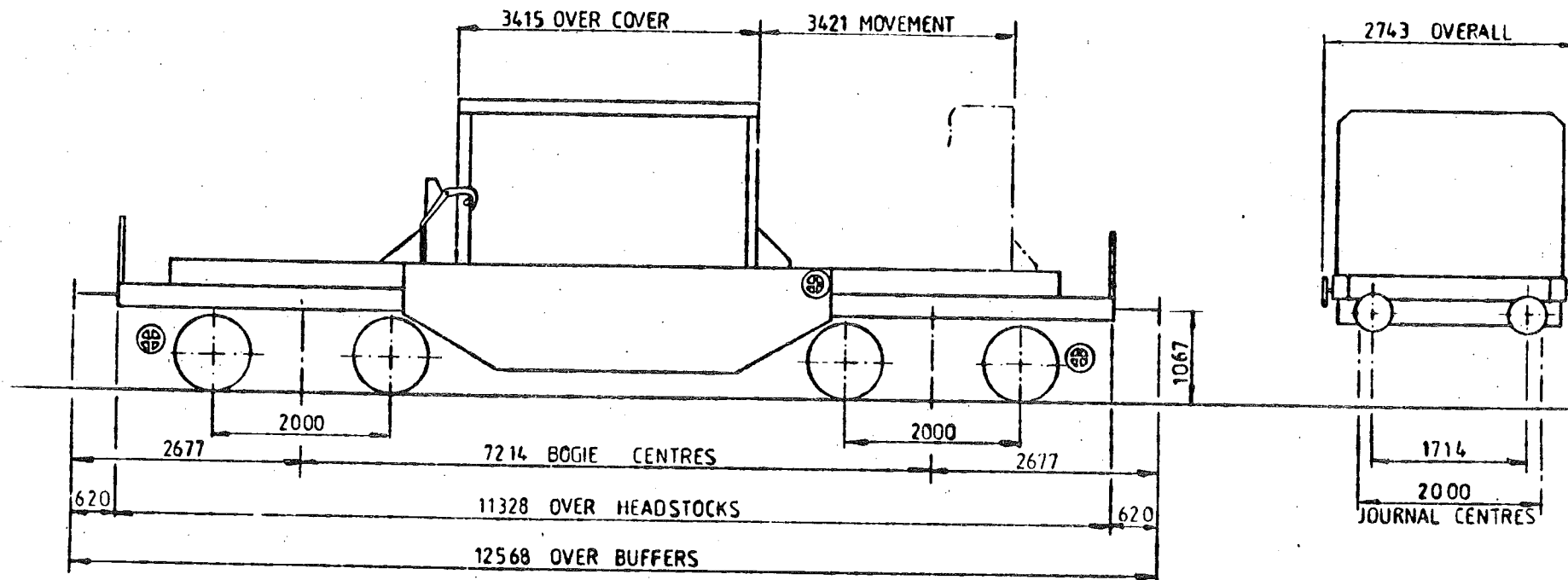
EX. B.R. DIAGRAM I/310

ATOMIC FLASK WAGON

FN002A

LOT NUMBER	
3697	

TOPS INFORMATION				
AARKND	OPERATING	OPERATING SPEED		EXCESS LENGTH
CARKND	PANEL NO.	45 mile/h UP TO		
F	N	B	B	0 5 9 4
				80 tonne GLW
				19t TARE.
				33t LADEN



TARE -	26 100 kg
CAPACITY, WEIGHT -	56 000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	31m SINGLY, 46m CLOSE COUPLED
GEN. ARRGT. DRG. N ^o -	F.S. 1461

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

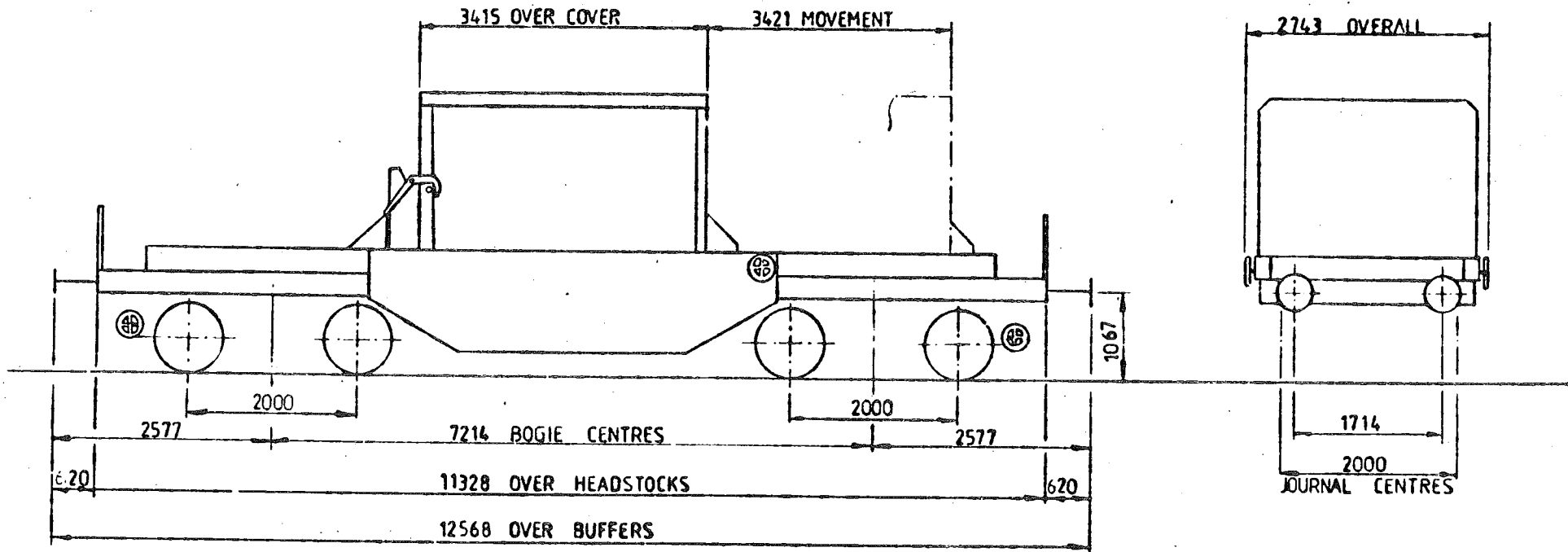
ISSUE 1

ATOMIC FLASK WAGON

FN002B

LOT NUMBER	
	3697

TOPS INFORMATION				
AARKND	OPERATING	OPERATING SPEED		EXCESS LENGTH
CARKND	PANEL NO.	45 mile/h UP TO	86 tonne GLW	26.26t TARE
F N B B	0 6 0 3	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, DRG. N ^o -	F-S-1461

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

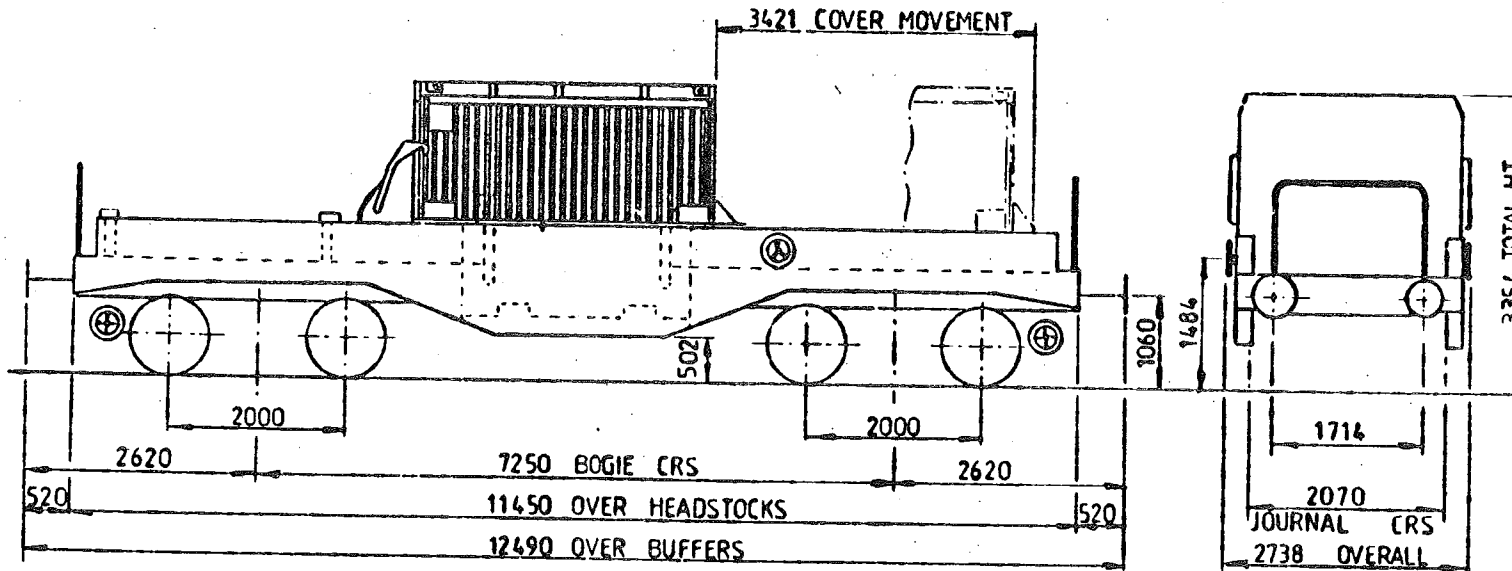
ISSUE 1

ATOMIC FLASK WAGON

FN003A

LOT NUMBER	
4004	

TOPS INFORMATION										
AARKND		OPERATING		OPERATING SPEED				BRAKE FORCE DATA		EXCESS LENGTH
CARKND		PANEL NO.		45 mile/h UP TO		79 tonne GLW		14 t TARE		
F	N	B	B	0	5	8	9	50 t LADEN		



TARE -	23000 kg
CAPACITY, WEIGHT -	56000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	31m
GEN. ARRGT. DRG. N ^o -	D4-A0-9011985

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 1

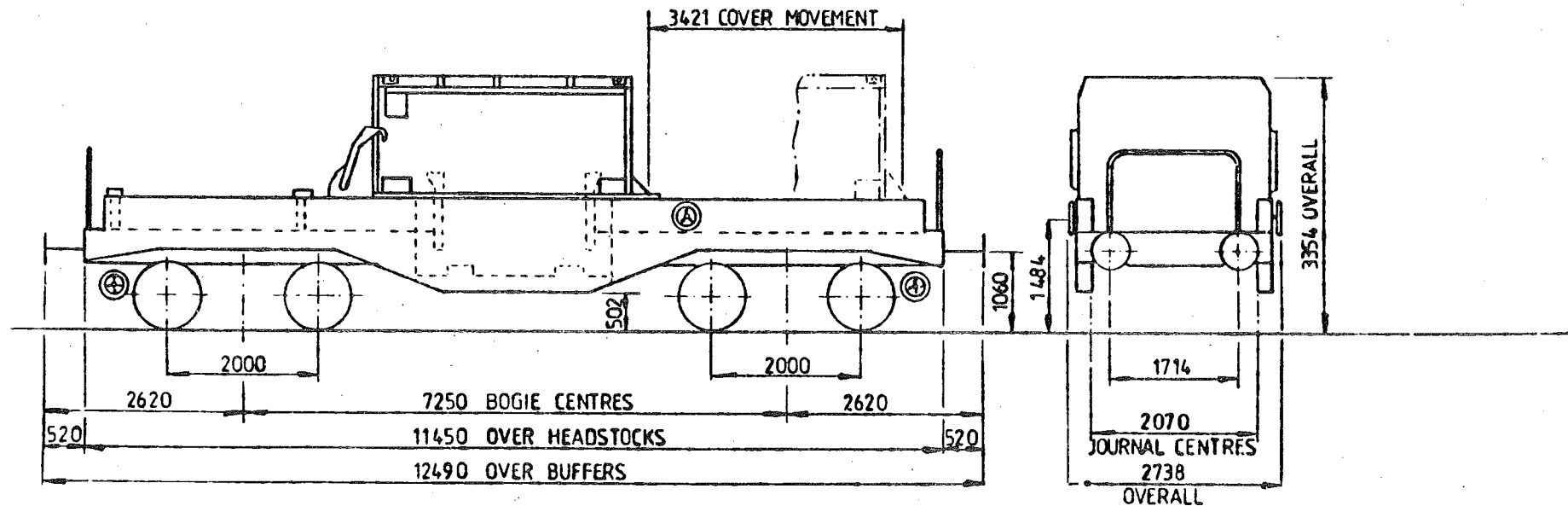
EX. BR. DIAGRAM 2/536

ATOMIC FLASK WAGON

FN003B

LOT NUMBER	
3886	-

TOPS INFORMATION						RA (GLW) 6
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA	EXCESS LENGTH	
CARKND	PANEL N ^o .	45 mile/h UP TO 81 tonne GLW		-1.046 + (0.482 * t)		
F N B B	0 6 0 4	- mile/h ABOVE				



TARE -	25000 kg
CAPACITY, WEIGHT -	56000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	31 m
GEN. ARRGT. DRG. N ^o .	D4 - A0 - 9011985

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

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

ISSUE 1

EX. BR. DIAGRAM 2/536

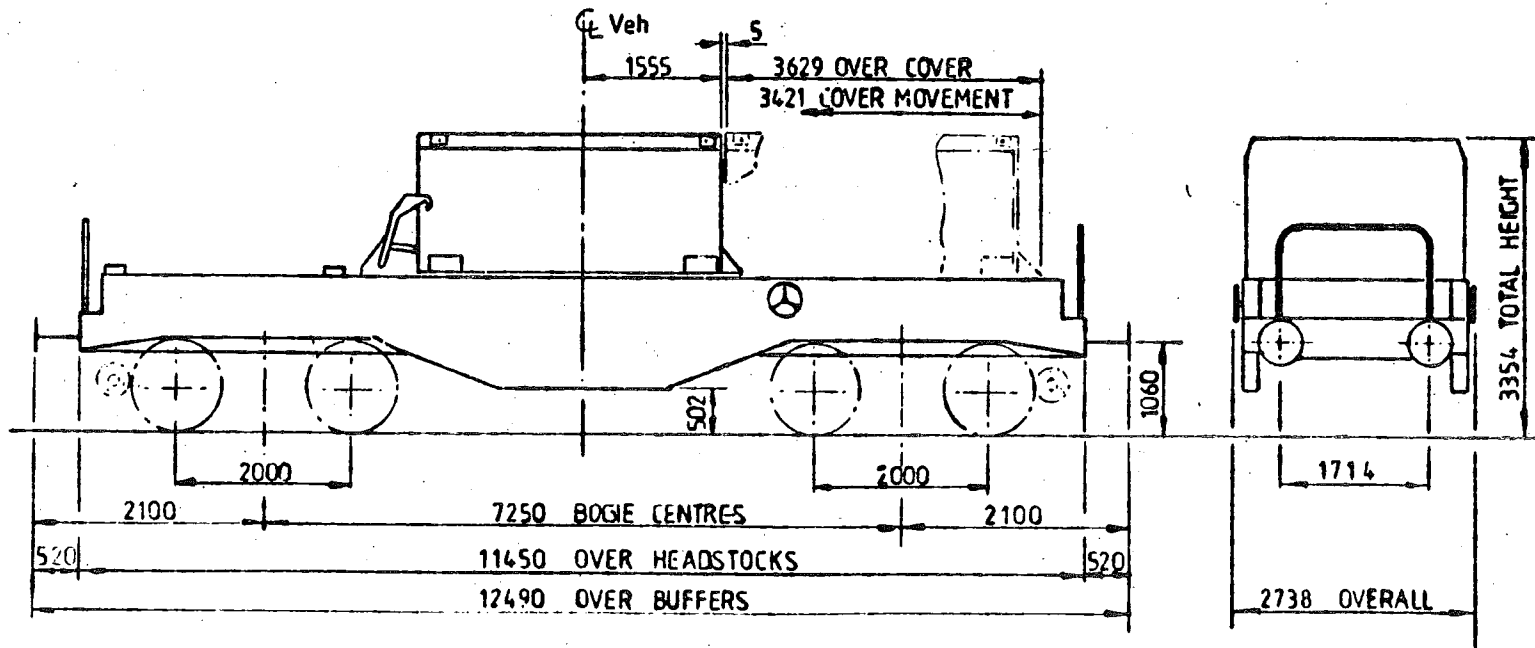
ATOMIC FLASK WAGON

FN003C

W1302

LOT NUMBER	
4049	

TOPS INFORMATION										RA
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH	(GLW)
CARKND		PANEL NO.		45 mile/h UP TO						6
F	N	A	B	mile/h ABOVE			81 tonne GLW		-6.5 + (0.5 x t)	



TARE -	25000 kg
CAPACITY, WEIGHT -	56000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	31m
GEN. ARRGT. DRG. N ^o -	D4-A0-9011985 D4-A0-9005180

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

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

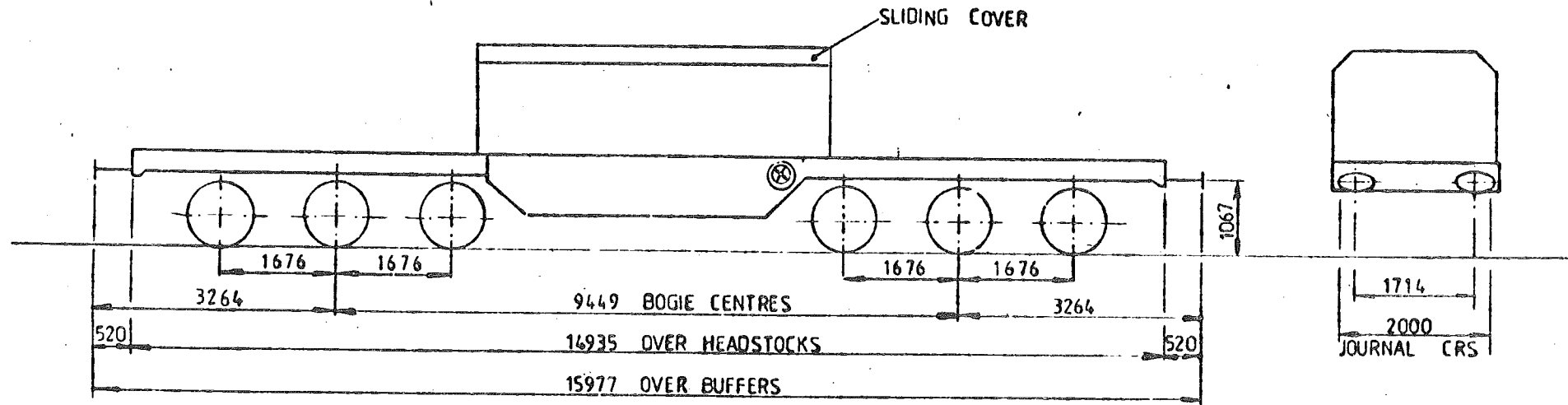
ISSUE 1

ATOMIC FLASK WAGON

FN004A

LOT NUMBER	
3300	

TOPS INFORMATION					
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA	EXCESS LENGTH
CARKND	PANEL NO.	60 mile/h UP TO	36 tonne GLW	VARIABLE LOAD BRAKE 3.348 * (10.518 * tonnes)	
F N B H	9 4 8 1	45 mile/h ABOVE			



TARE -	36000 kg
CAPACITY, WEIGHT -	56000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	31m
GEN. ARRGT. DRG. No. -	SW/SW/556

BRAKE -	AIR DISC, VACUUM PIPE, HAND SCREW.
SUSPENSION -	PRIMARY COIL
COUPLINGS -	B.R. SCREW
BUFFERS -	SELF CONTAINED, 610 x 356 OVAL HEADS
WHEELS -	952 DIA
JOURNALS -	150 DIA ROLLER BEARINGS

ISSUE 1

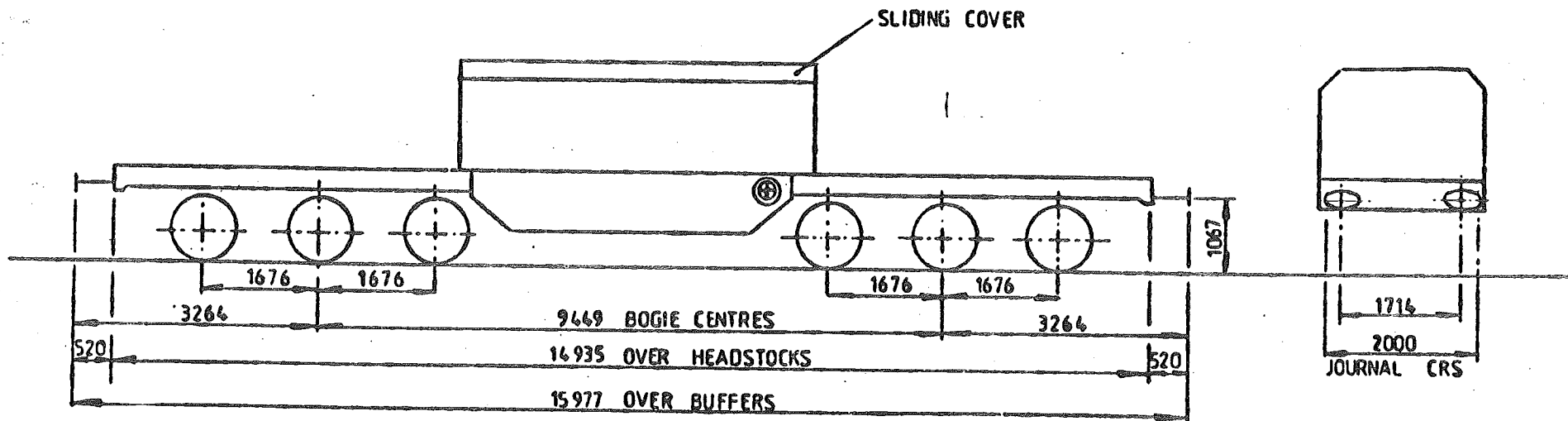
ATOMIC FLASK WAGON

FN004B

W 62 0

LOT NUMBER	
3300	

TOPS INFORMATION					
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA	EXCESS LENGTH
CARKND	PANEL NO.	60 mile/h UP TO		3.368 (10 518 x tonnes)	
F N B M	9 6 0 1	65 mile/h ABOVE			



TARE -	40000 kg
CAPACITY, WEIGHT -	56000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	31 m
GEN. ARRGT. DRG. N ^o -	SW/SW/556

BRAKE -	AIR BLOCK, VACUUM PIPE, HAND SCREW.
SUSPENSION -	PRIMARY COIL
COUPLINGS -	BR SCREW
BUFFERS -	SELF CONTAINED 610x356 OVAL HEADS
WHEELS -	952 DIA
JOURNALS -	150 DIA ROLLER BEARINGS

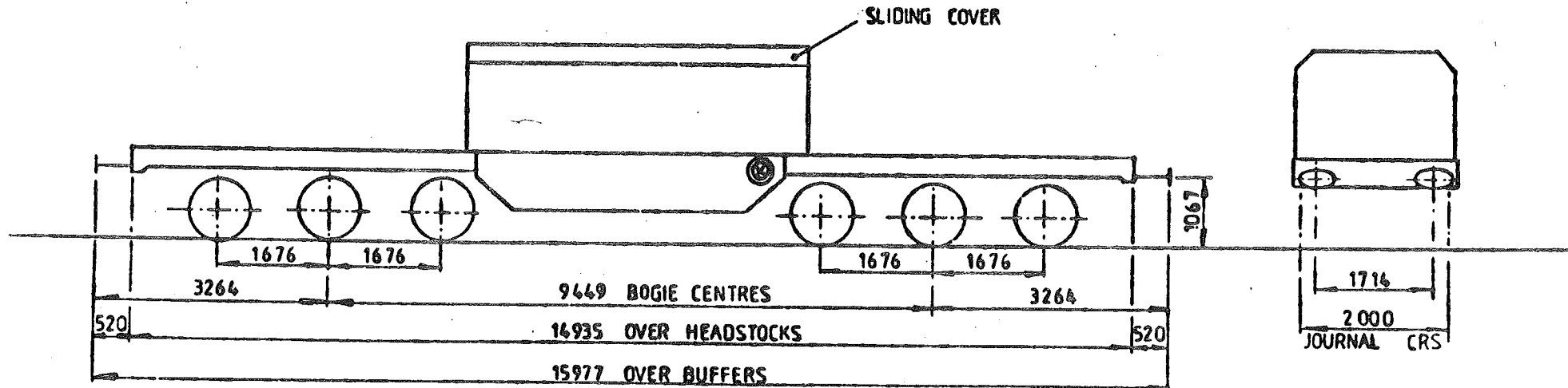
ISSUE 1

93t GLW ATOMIC FLASK WAGON

FN004C

LOT NUMBER	
3300	

TOPS INFORMATION					W779
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA	EXCESS LENGTH
CARKND	PANEL NO.	60 mile/h UP TO		-1.3 x (0.482 x tonnes)	
F N B H	Q 6 0 9	45 mile/h ABOVE			
		38 tonne GLW			



TARE -	36 900 kg
CAPACITY, WEIGHT -	56 000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	31 m
GEN. ARRGY. DRG. N ^o -	SW/SW/556

BRAKE -	AIR DISC, VACUUM PIPE, HAND SCREW.
SUSPENSION -	PRIMARY COIL
COUPLINGS -	B.R. SCREW
BUFFERS -	HYDRAULIC 610 x 356 OVAL HEADS
WHEELS -	952 DIA
JOURNALS -	150 DIA ROLLER BEARINGS

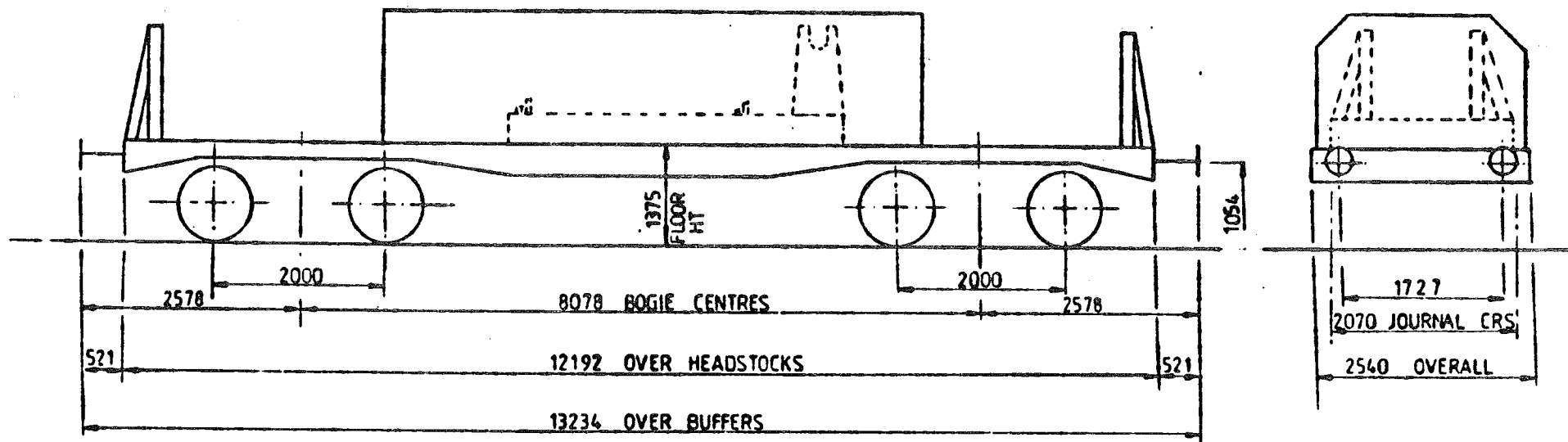
ISSUE 1

ATOMIC FLASK WAGON

F0001A

LOT NUMBER	

TOPS INFORMATION				
AARKND	OPERATING	OPERATING SPEED	BRAKE FORCE DATA	EXCESS LENGTH
CARKND	PANEL NO.	60 mile/h UP TO	-1.6 ± (0.516 × tonnes)	1
F O B G	0 3 4 5	75 mile/h ABOVE		



TARE -	10000 kg
CAPACITY, WEIGHT -	70000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	31m
GEN. ARRGT. DRG. N ^o -	F-S-20474

BRAKE -	AIR DISC, VAC PIPE, HAND SCREW.
SUSPENSION -	PRIMARY COIL
COUPLINGS -	BR SCREW
BUFFERS -	HYDRAULIC 457 DIA HEADS
WHEELS -	952 DIA
JOURNALS -	150 DIA ROLLER BEARINGS

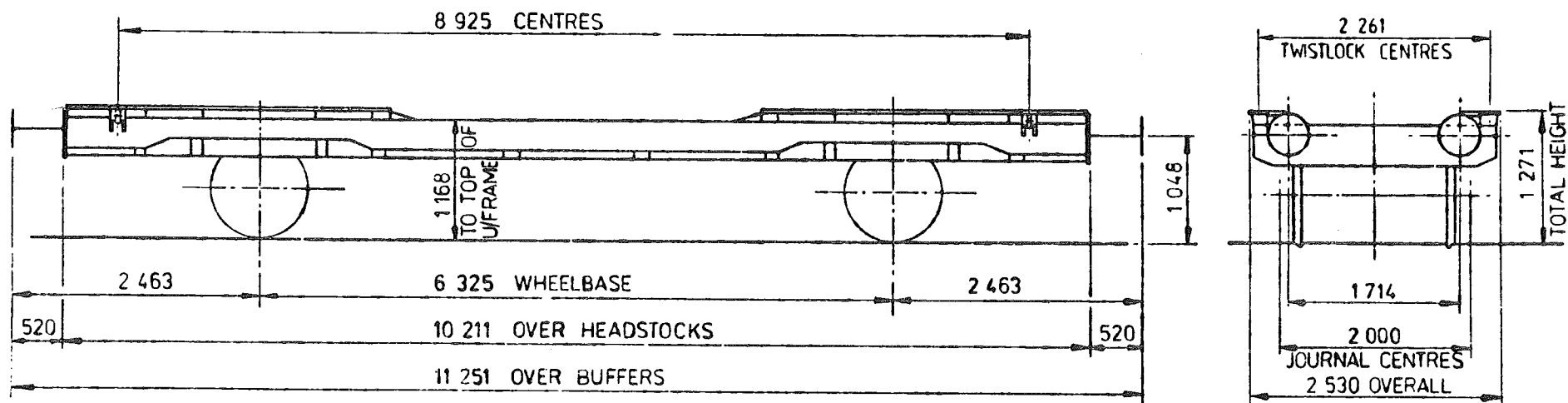
ISSUE 1

46tonnes 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				60 mile/h ABOVE		4.22 + (0.55 x t) UP TO 4t G.L.W.
				11.8 tonne GLW		THEN CONSTANT
						EXCESS LENGTH



TARE -	11 800 kg
CAPACITY, WEIGHT -	43 000 kg
CAPACITY, VOLUME -	31 200 kg
MIN. CURVE -	41 m
GEN. ARRGT. DRG. N ^o -	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

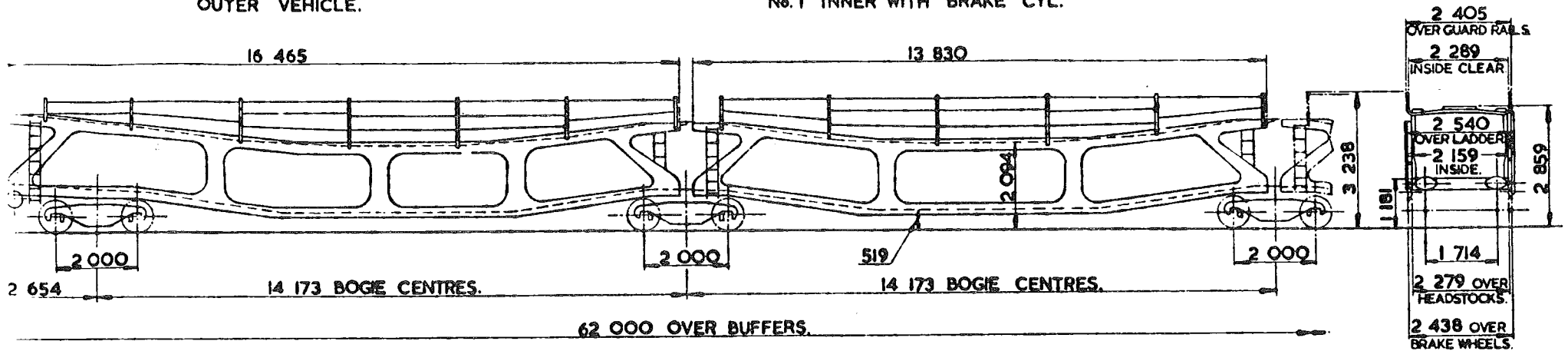
ISSUE I.

ARTICULATED CAR TRANSPORTER

FQ008A

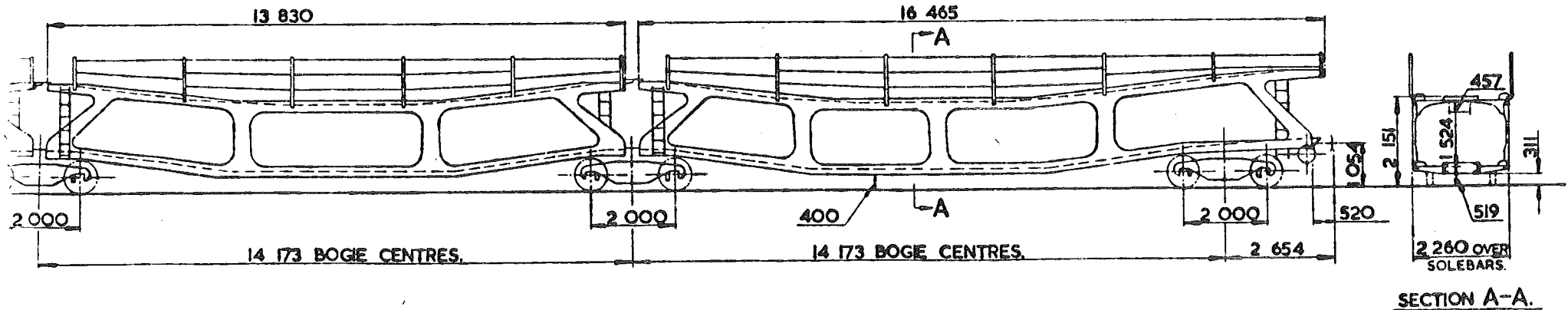
FQ008A
OUTER VEHICLE.

FQ008B
No.1 INNER WITH BRAKE CYL.



FQ008C
No.2 INNER WITH BRAKE CYL.

FQ008A
OUTER VEHICLE.



SECTION A-A.

ISSUE 1.

EX. B.R. DIAGRAM 4/821.

ARTICULATED CAR TRANSPORTER DATA SHEET

FQ008A
FQ008B
FQ008C

LOT NUMBER	
30770	
3518	

TOPS INFORMATION (4 CAR SET)						
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA		EXCESS LENGTH
CARKND	PANEL NO.	75 mile/h UP TO		87 tonne GLW		80
F Q A	0 8 2 7	mile/h ABOVE		VARIABLE -3.08 + (0.84 * t)		

TOPS INFORMATION FQ008A (OUTER VEH)						
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA		EXCESS LENGTH
CARKND	PANEL No	75 mile/h UP TO 24 t GLW		VARIABLE 3 * (1 * t)		20
F Q A A	7 5 7 7					

FLOOR-CHEQUERED PLATE, EXPANET RUNWAYS.
CHOCKS-DOUBLE, ADJUSTABLE IF REQUIRED
LOADING PLATES-HINGED AT OPPOSITE CORNERS
BOGIES - CAST STEEL
UNDERFRAME - STEEL

TOPS INFORMATION FQ008B (INNER VEH 1)						
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA		EXCESS LENGTH
CARKND	PANEL No	75 mile/h UP TO 20 t GLW		VARIABLE -4 * (0.6 * t)		20
F Q A B	7 5 7 8					

TOPS INFORMATION FQ008C (INNER VEH 2)						
AARKND	OPERATING	OPERATING SPEED		BRAKE FORCE DATA		EXCESS LENGTH
CARKND	PANEL No	75 mile/h UP TO 19 t GLW		VARIABLE -6.25 * (0.75 * t)		20
F Q A C	7 5 7 9					

TARE -	62 050 kg
CAPACITY, WEIGHT -	32 000 kg (8 000 kg PER UNIT)
CAPACITY, VOLUME -	
MIN. CURVE -	61 m
GEN. ARRGT. DRG. NO. -	W142717

BRAKE - AIR BLOCK, HAND SCREW ON OUTER BOGIES
SUSPENSION - SECONDARY COIL
COUPLINGS - B.R. SCREW
BUFFERS - SELF CONTAINED 610 x 316 OVAL HEADS
WHEELS - 813 DIA
JOURNALS - 124 DIA ROLLER BEARINGS

ISSUE 2

EX. BR. DIAGRAM 4 / 821

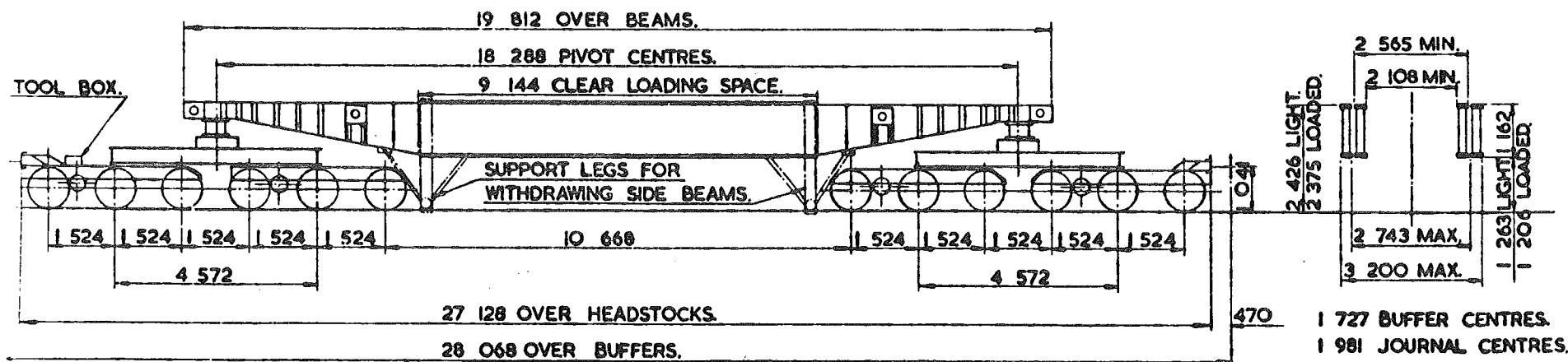
TRANSFORMER WAGON.

FRO05A

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 ϕ WHEN REQUIRED.

FOR LOADING CONDITIONS SEE DRG. No. DE/76555.

ISSUE 1.

EX. B.R. SPECIAL DIAGRAM 2/470.

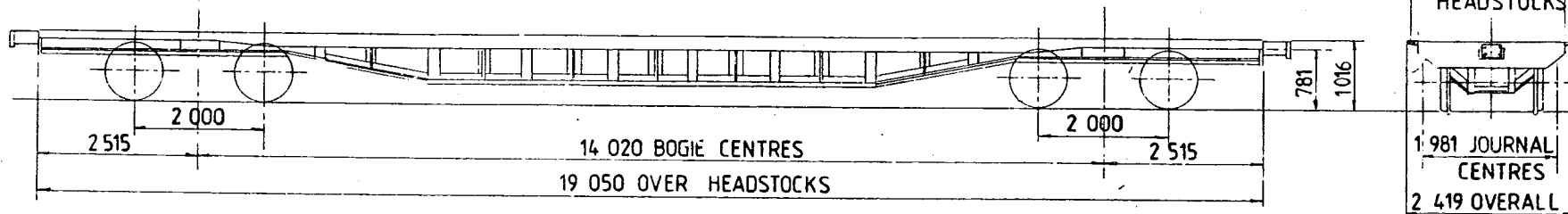
FREIGHTLINER INNER VEHICLE

FU001A

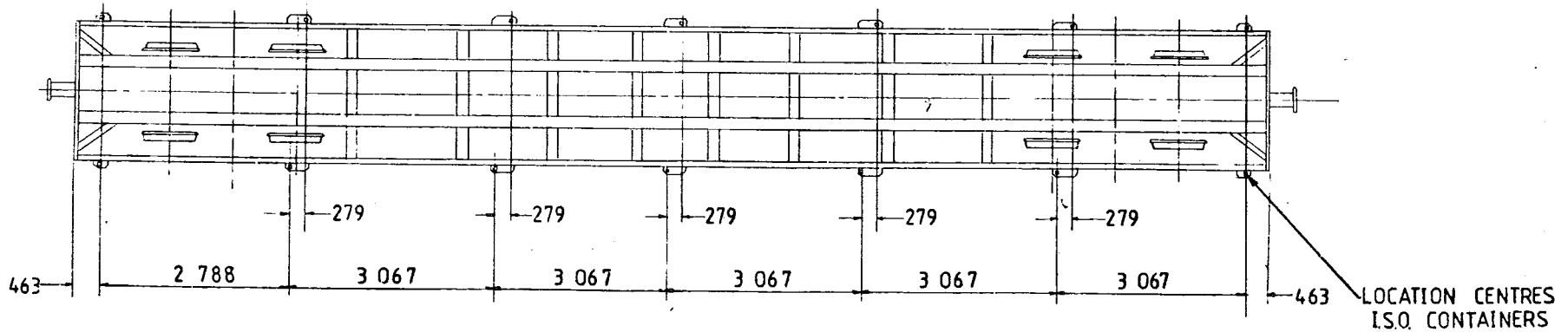
LOT NUMBER
PART 3676
3689
3691
3712

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	1	7



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



TARE 19700 kg
CARRYING CAPACITY - 62000 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

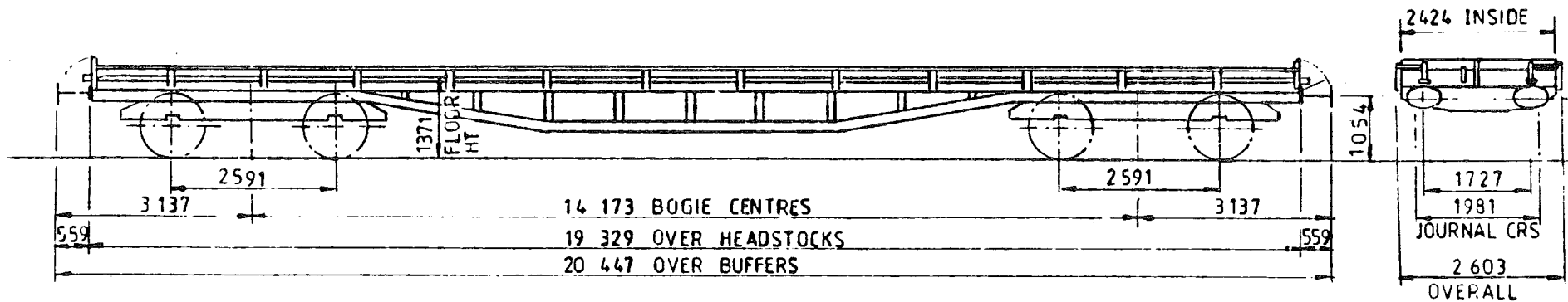
31 t G.L.W. CARFLAT WAGON

FV003A

W 1293

LOT NUMBER	
3536	

TOPS INFORMATION										
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH	
CARKND		PANEL NO.		90 mile/h UP TO			12 t BRAKED TO TARE		12	
F	V	W	M	— mile/h ABOVE —		31 tonne GLW				



TARE -	21 050 kg
CAPACITY, WEIGHT -	9 950 kg
CAPACITY, VOLUME -	
MIN. CURVE -	61m
GEN. ARRGT. DRG. N ^o -	SW/SW1271

BRAKE -	VACUUM BLOCK, AIR PIPE, HAND LEVER.
SUSPENSION -	EYEBOLT & AUXILIARY RUBBERS
COUPLINGS -	BR SCREW or BUCKEYE
BUFFERS -	SPINDLE 559 x 356 OVAL HEADS
WHEELS -	1067 DIA
JOURNALS -	228 x 117 PLAIN BEARINGS

ISSUE 1

EX. BR. DIAGRAM 131

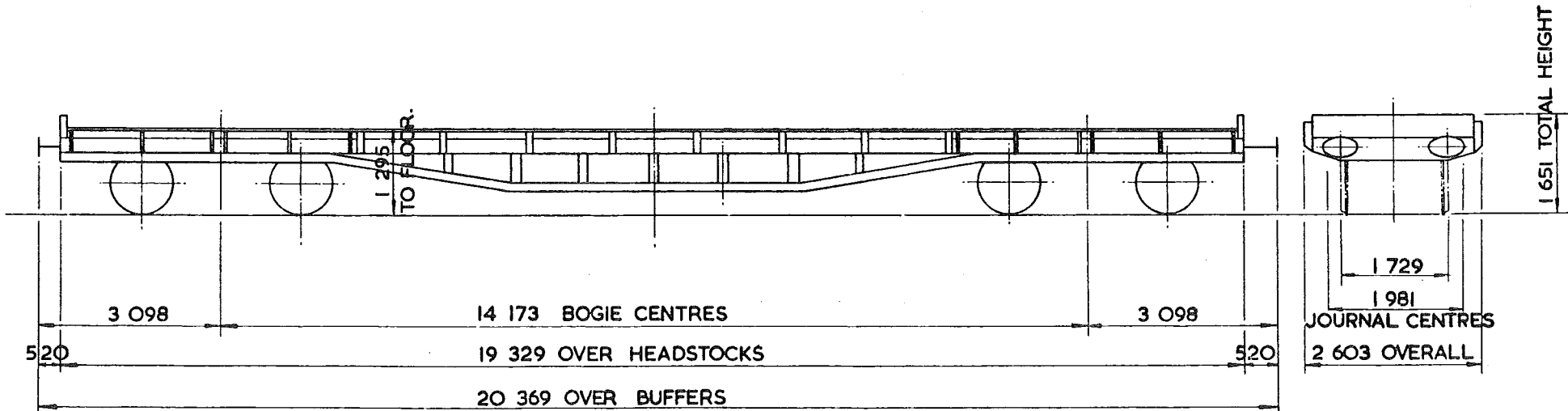
CARFLAT WAGON

FV003C

LOT NUMBER
PART 3679

EXCESS LENGTH	I2	H	M	L	E
		33	30	26	23
VB		11	11	11	11
AB					
RA		1	1	1	1
MAX. SPEED		90	90	90	90

TOPS CODE									
CARKND				AARKND			OPERATING PANEL No.		
F	V	V	F	V	V	M	3	0	2



TARE -	23000 kg
CARRYING CAPACITY -	10000kg
CAPACITY -	
MAX. SPEED -	75 mile/h
WHEELS -	1 067 DIA.
JOURNALS -	228 x 111 PLAIN BEARINGS

BUFFERS -	SPINDLE 559 x 356 OVAL HEADS
COUPLINGS -	B.R. SCREW OR BUCKEYE
MIN. CURVE -	61m
GEN. ARRGT. DRG. No. -	F-S-7503
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	EYEBOLT

ISSUE 1

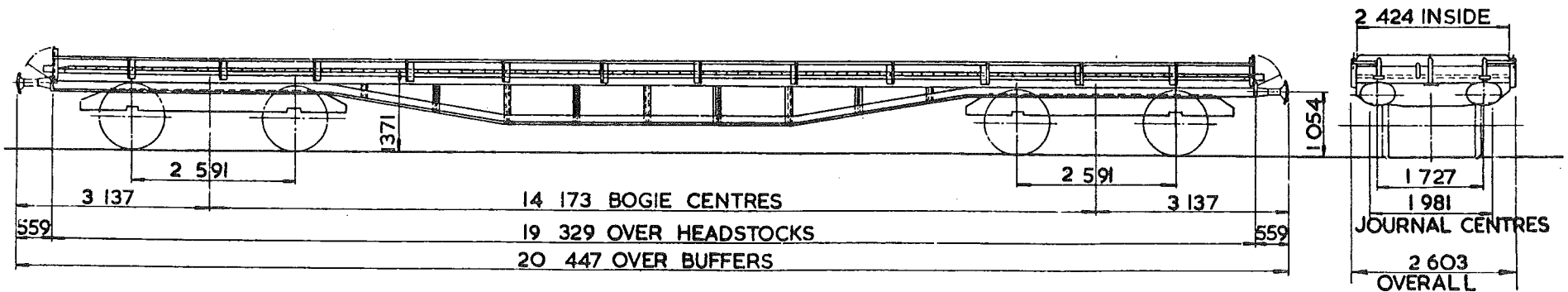
CARFLAT WAGON

FV003D

LOT NUMBER
PART 3536

EXCESS LENGTH	2	H	M	L	E
tonnes	30	28	24	22	
VB	12	12	12	12	
AB					
RA	1	1	1	1	
MAX. SPEED	90	90	90	90	

TOPS CODE					
CARKND		AARKND		OPERATING PANEL No.	
F	V	V	F	V	M
				3	2
					8



TARE - 21 050 kg.
CARRYING CAPACITY - 10 000 kg.
CAPACITY -
MAX. SPEED - 90 mile/h.
WHEELS - 1067 DIA.
JOURNALS - 228 x 117 PLAIN BEARINGS

BUFFERS - SPINDLE 559 x 356 OVAL HEADS.
COUPLINGS - B.R. SCREW OR BUCKEYE.
MIN. CURVE - 61m.
GEN. ARRGT. DRG No. - SW/SW 1271.
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - EYEBOLT & AUXILIARY RUBBERS

ISSUE 2.

EX B.R. DIAGRAM 131

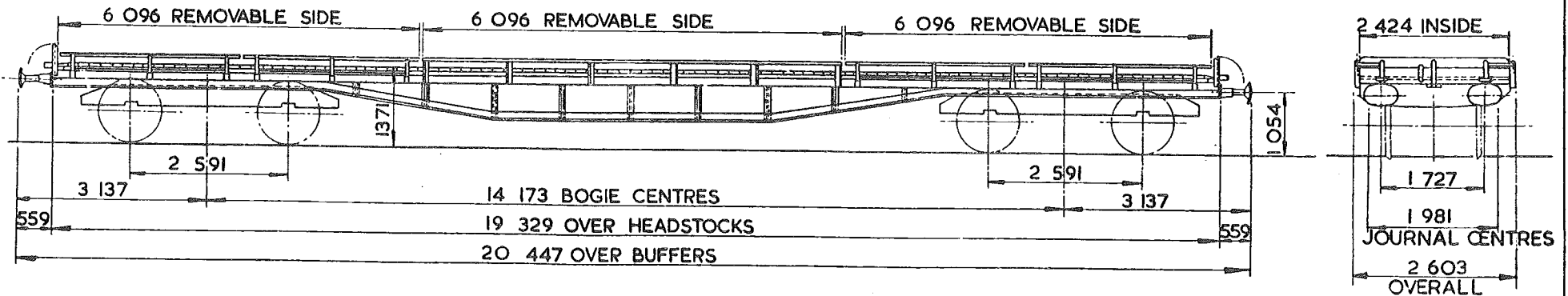
CARFLAT WAGON

FV003E

LOT NUMBER
PART 3536

EXCESS LENGTH	2	H	M	L	E
tonnes	30	28	24	22	
VB	12	12	12	12	
AB					
RA	1	1	1	1	
MAX. SPEED	90	90	90	90	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No.		
F V V	F	V	V	M	3 2 8



TARE - 21 050 kg
CARRYING CAPACITY - 10 000 kg
CAPACITY -
MAX. SPEED - 75 mile/h
WHEELS - 1 067 DIA.
JOURNALS - 228 x 117 PLAIN BEARINGS

BUFFERS - SPINDLE 559 x 356. OVAL HEADS.
COUPLINGS - B.R. SCREW OR BUCKEYE.
MIN. CURVE - 61 m
GEN. ARRGT. DRG. No. - SW/SW 1270
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - EYEBOLT

ISSUE 2.

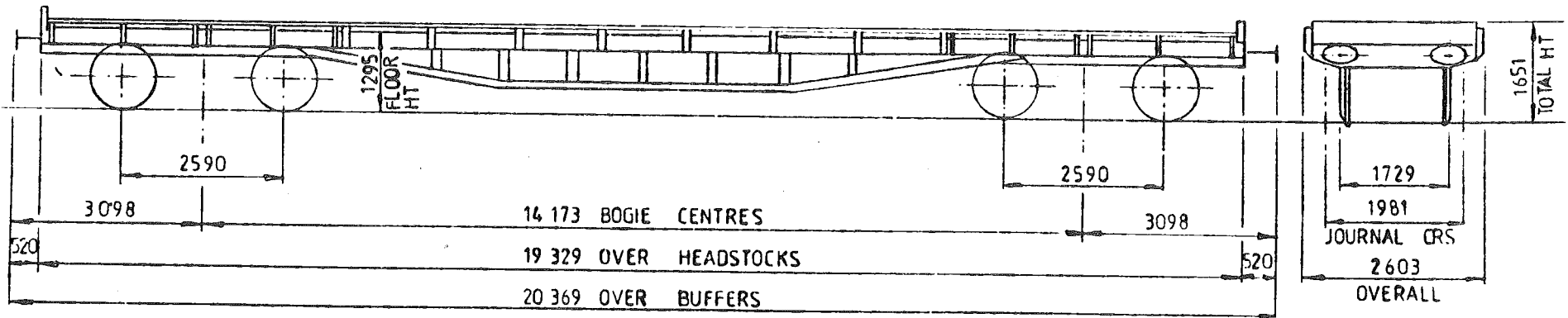
EX B.R. DIAGRAM 130

33.5t GLW CARFLAT WAGON

FV003G

LOT NUMBER	

TOPS INFORMATION					
AARKND	OPERATING		OPERATING SPEED	BRAKE FORCE DATA	EXCESS LENGTH 12
CARKND	PANEL NO.		75 mile/h UP TO	11 t BRAKED TO TARE	
F V W D	6 1 1 4		mile/h ABOVE 3t tonne GLW		



TARE -	23 500 kg
CAPACITY, WEIGHT -	10 000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	61 m
GEN. ARRGT. DRG. N ^o -	F-S-703

BRAKE -	VACUUM BLOCK, AIR PIPE, HAND LEVER
SUSPENSION -	PRIMARY COIL
COUPLINGS -	BR SCREW
BUFFERS -	SPINDLE 559 x 356 OVAL HEADS
WHEELS -	1067 DIA
JOURNALS -	114 DIA ROLLER BEARINGS

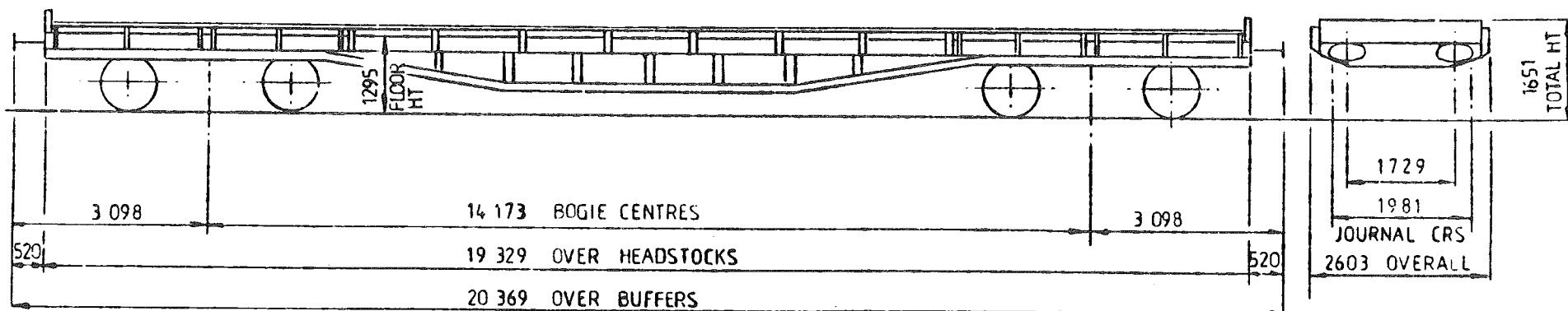
ISSUE 1

33 tonnes GLW CARFLAT WAGON

FV003J

LOT NUMBER	
3679	

TOPS INFORMATION							
AARKND		OPERATING		OPERATING SPEED		BRAKE FORCE DATA	EXCESS LENGTH
CARKND		PANEL NO.		90 mile/h UP TO		33 tonne GLW	11 + BRAKED TO TARE
F	V	W	M				12
				- mile/h ABOVE -			



TARE -	23 000 kg
CAPACITY, WEIGHT -	10 000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	61m
GEN. ARRGT. DRG. N ^o -	F - S - 7503

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

ISSUE 1

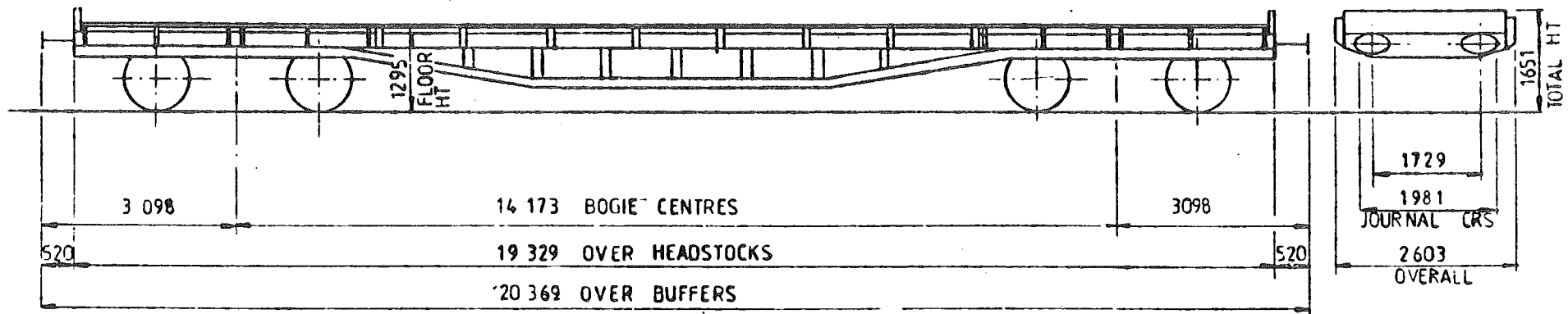
CARFLAT WAGON

FV003L

W 1333

LOT NUMBER	
3831	

TOPS INFORMATION						
AARKND	OPERATING		OPERATING SPEED		BRAKE FORCE DATA	EXCESS LENGTH
	PANEL NO.		90 mile/h UP TO		11 t BRAKED TO TARE	12
CARKND			mile/h ABOVE			
F	V	W	M			



TARE -	23 000 kg
CAPACITY, WEIGHT -	10 000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	61m
GEN. ARRGT. DRG. N ^o -	F - S - 7503

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

ISSUE 1

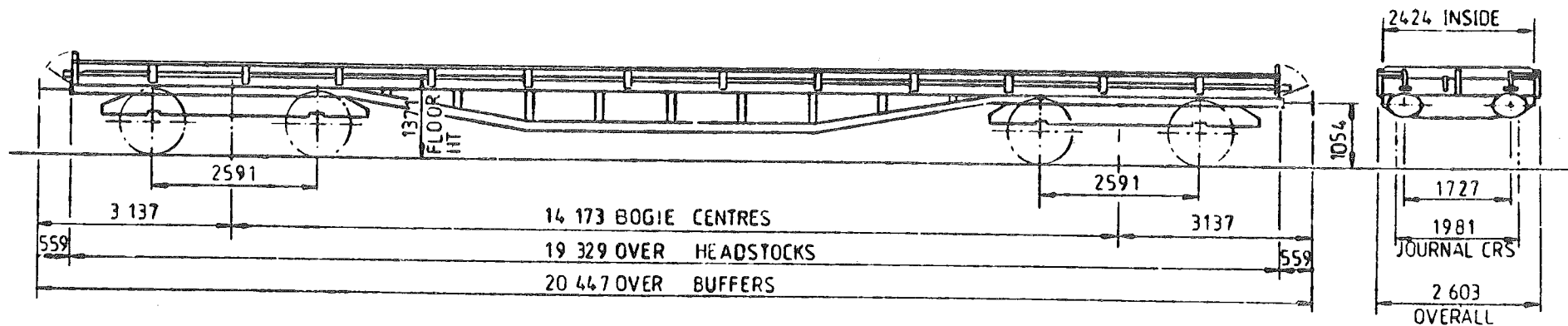
31t GLW CARFLAT WAGON

FV003N

W1334

LOT NUMBER	
3536	

TOPS INFORMATION										
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH	
CARKND		PANEL NO.		75 mile/h UP TO			12t BRAKED TO TARE		12	
F	V	W	D							
				— mile/h ABOVE —			31tonne GLW			



TARE -	21 050 kg
CAPACITY, WEIGHT -	10 000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	61m
GEN. ARRGT. DRG. N ^o . -	SW/SW 1271

BRAKE - VACUUM BLOCK, AIR PIPE, HAND LEVER
SUSPENSION - EYEBOLT & AUXILIARY RUBBERS
COUPLINGS - B.R. SCREW
BUFFERS - COACH SPINDLE 559 x 356 OVAL HEADS
WHEELS - 1067 DIA
JOURNALS - 228 x 117 PLAIN BEARINGS

ISSUE 1

EX. BR. DIAGRAM 131

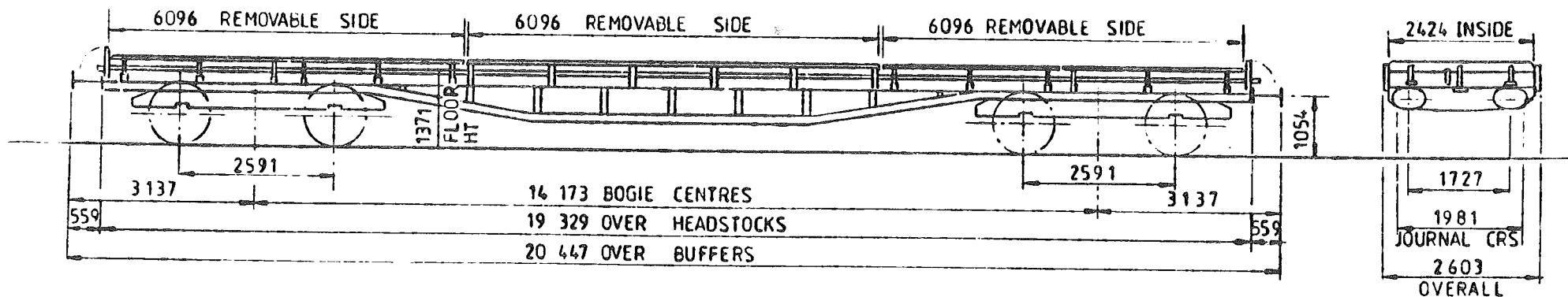
CARFLAT WAGON

FV003Q

W 1291

LOT NUMBER	
	3536

TOPS INFORMATION										
AARKND		OPERATING			OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH 12
CARKND		PANEL NO.			90 mile/h UP TO			12t BRAKED TO TARE		
F	V	W	M	6	1	1	5			



TARE -	21 050 kg
CAPACITY, WEIGHT -	9 950 kg
CAPACITY, VOLUME -	
MIN. CURVE -	61m
GEN. ARRGT. DRG. No. -	SW/SW 1270

BRAKE -	VACUUM BLOCK, AIR PIPE, HAND LEVER
SUSPENSION -	EYEBOLT
COUPLINGS -	BR SCREW or BUCKEYE
BUFFERS -	SPINDLE 559 x 356 OVAL HDS
WHEELS -	1067 DIA
JOURNALS -	228 x 117 PLAIN BEARINGS

ISSUE 1

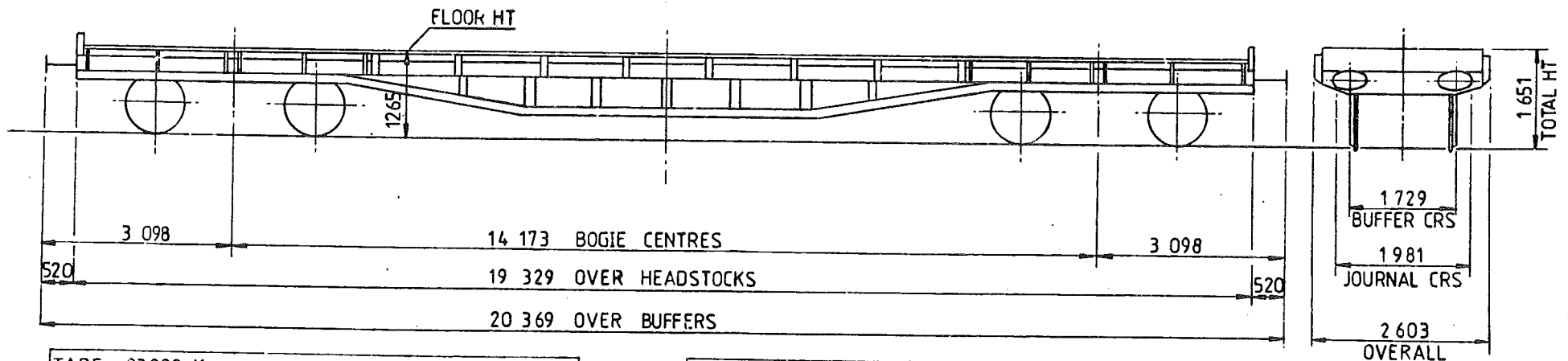
CARFLAT WAGON

FV003R

LOT NUMBER
PART 3679

EXCESS LENGTH	12	H	M	L	E
tonnes	33	30	26	23	
VB	12	12	12	12	
AB	12	12	12	12	
RA	1	1	1	1	
MAX. SPEED	90	90	90	90	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
F	V	X	F	V	X	M	2	8	0



TARE - 23 000 Kg
CARRYING CAPACITY - 10 000 Kg
CAPACITY -
MAX. SPEED - 90 miles/h.
WHEELS - ϕ 1 067.
JOURNALS - 228 x 111 PLAIN BEARINGS.

BUFFERS - SPINDLE 559 x 356 OVAL HEADS.
COUPLINGS - B. R. SCREW OR BUCKEYE.
MIN. CURVE 61m.
GEN. ARRGT DRG. No. - F-S-7503.
BRAKE - AIR & VACUUM BLOCK, HAND LEVER.
SUSPENSION - EYEBOLT.

ISSUE 1.

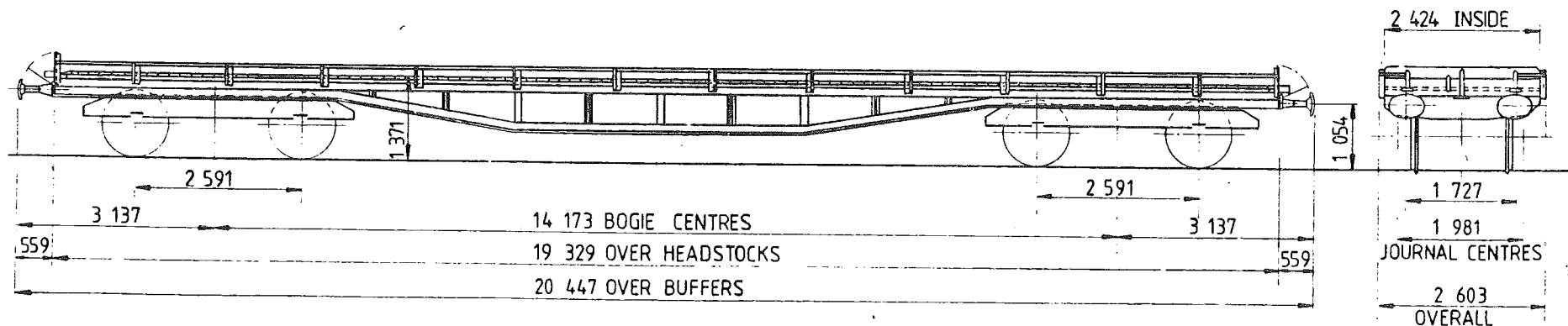
CARFLAT WAGON

FV003S

LOT NUMBER
PART 3536

EXCESS LENGTH 12	H	M	L	E
tonnes	33	30	26	23
VB	12	12	12	12
AB	12	12	12	12
RA	1	1	1	1
MAX SPEED	75	75	75	75

TOPS CODE										
CARKND			AARKND			OPERATING PANEL No				
F	V	X	F	V	X	D	8	8	7	9



TARE - 21 ⁰⁵⁰ kg.
CARRYING CAPACITY - 10 ⁰⁰⁰ kg.
CAPACITY -
MAX. SPEED - 75 mile/h.
WHEELS - 1067 DIA.
JOURNALS - 228x117 PLAIN BEARINGS

BUFFERS -	SPINDLE	559x356 OVAL HEADS
COUPLINGS - B.R. SCREW		
MIN. CURVE - 61m.		
GEN. ARRGT. DRG. No. - SW/SW 1271.		
BRAKE - VACUUM & AIR BLOCK, HAND LEVER.		
SUSPENSION - EYEBOLT & AUXILIARY RUBBERS		

issue 1

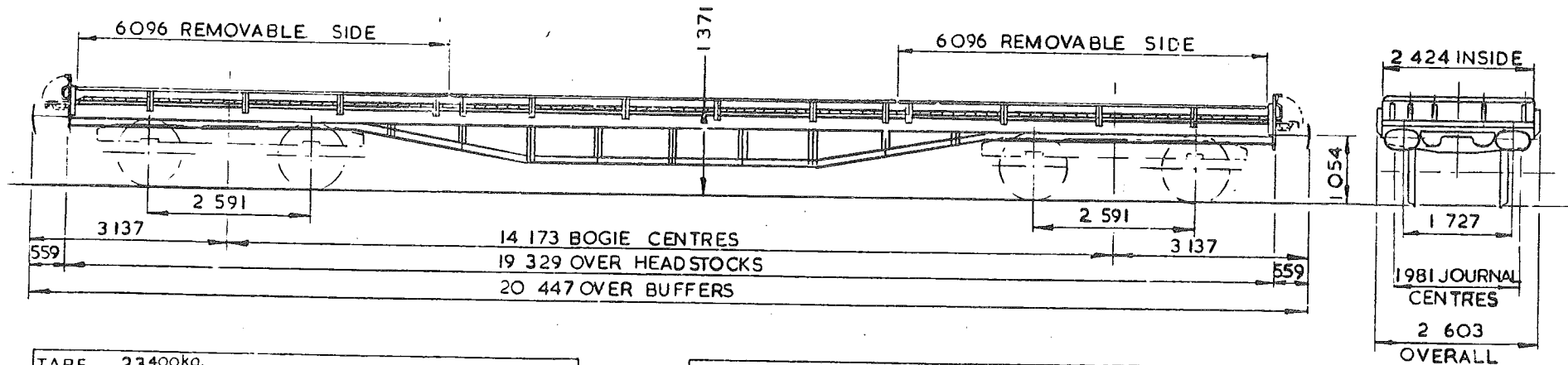
CARFLAT WAGON

FV00 3T

LOT NUMBER
PART 3758

EXCESS LENGTH	12	H	M	L	E
tonnes	33	30	26	23	
VB	12	12	12	12	
AB	12	12	12	12	
RA	1	1	1	1	
MAX. SPEED	90	90	90	90	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
F	V	X	F	V	X	M	2	8	0



TARE — 23 400kg.
CARRYING CAPACITY — 10 000kg
CAPACITY —
MAX. SPEED — 90 mile/h.
WHEELS — 1 067 DIA
JOURNALS — 228 X III PLAIN BEARINGS

BUFFERS — COACH SPINDLE	559X336 OVALHEADS (RETRACTABLE)
COUPLINGS — BUCKEYE	
MIN. CURVE — 61m	
GEN. ARRGT. DRG. No. — SW/SW 1270	
BRAKE — VACUUM & AIR BLOCK & HAND LEVER	
SUSPENSION — EYE BOLT	

issue 1

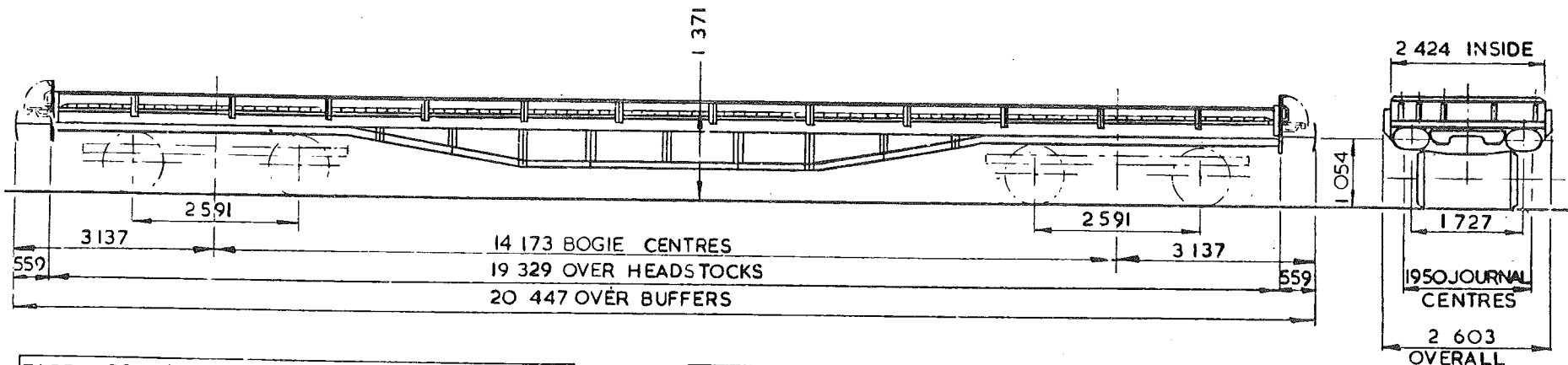
CARFLAT WAGON

FV003U

LOT NUMBER
3715
3758

EXCESS LENGTH	12	H	M	L	E
tonnes	33	30	26	23	
VB	12	12	12	12	
AB	12	12	12	12	
RA	1	1	1	1	
MAX. SPEED	90	90	90	90	

TOPS CODE									
CARKND			AARKND				OPERATING PANEL No		
F	V	X	F	V	X	M	2	8	0



TARE - 23400 kg
CARRYING CAPACITY - 10 000 kg.
CAPACITY -
MAX. SPEED - 90 mile/h.
WHEELS - 914 DIA
JOURNALS - 114 DIA ROLLER BEARINGS

BUFFERS - COACH SPINDLE - 559X336 OVAL HEADS (RETRACTABLE)
COUPLINGS - BUCKEYE
MIN. CURVE - 61m
GEN. ARRGT. DRG. No. - MOD MB 3027 / 032
BRAKE - VACUUM & AIR BLOCK & HAND LEVER
SUSPENSION - PRIMARY & SECONDARY COIL

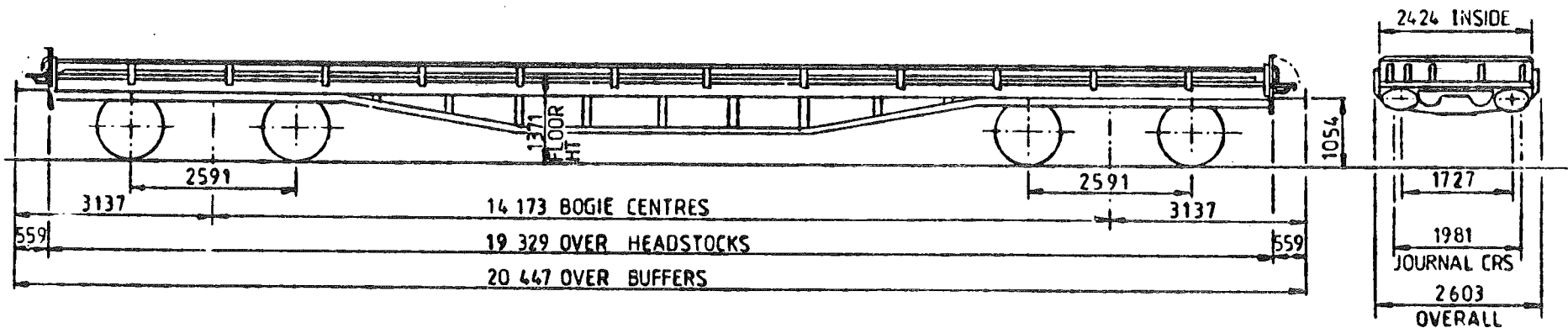
issue 1

CARFLAT WAGON

FV003V

LOT NUMBER	
3715	3758

TOPS INFORMATION										
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH	
CARKND		PANEL NO.		90 mile/h UP TO			12† BRAKED TO TARE (AIR & VAC)		12	
F	V	X	M	0	2	8				



TARE -	23 400 Kg
CAPACITY, WEIGHT -	10 000 Kg
CAPACITY, VOLUME -	
MIN. CURVE -	61m
GEN. ARRG. DRG. N ^o -	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

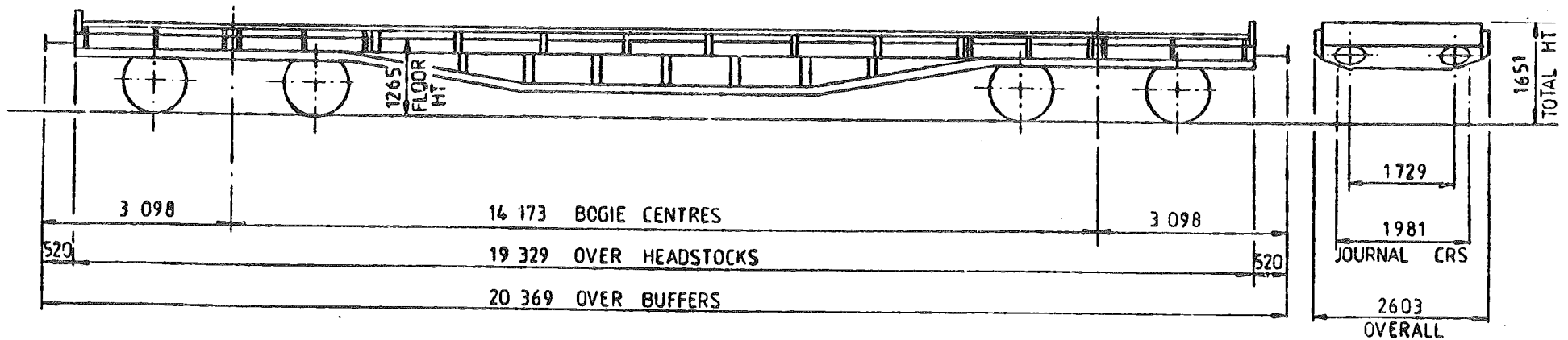
EX. BR. DIAGRAM 1/134

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						
F	V	X	M	0	2	8	0	33tonne GLW		12
				mile/h ABOVE			12t BRAKED TO TARE (AIR & VAC)			



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

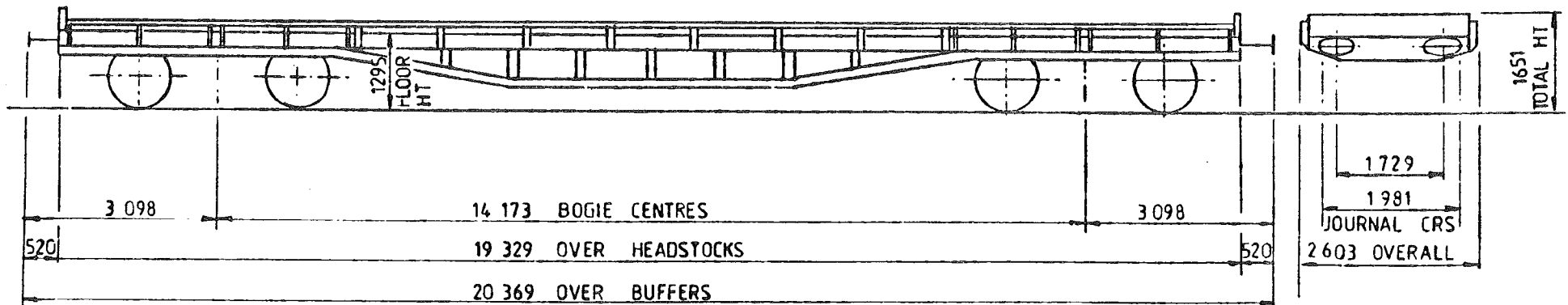
EX. BR. DIAGRAM 189

33 tonnes GLW CARFLAT WGN

FV003Y

LOT NUMBER	
	3679

TOPS INFORMATION						
AARKND		OPERATING		OPERATING SPEED		BRAKE FORCE DATA
CARKND		PANEL NO.		90 mite/h UP TO		EXCESS LENGTH
F	V	V	M	0	3	0
						2
				- mite/h ABOVE -		33 tonne GLW
						11 t BRAKED TO TARE
						12



TARE -	23 000 kg
CAPACITY, WEIGHT -	10 000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	61 m
GEN. ARRGT. DRG. N ^o -	F-S-7503

BRAKE -	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

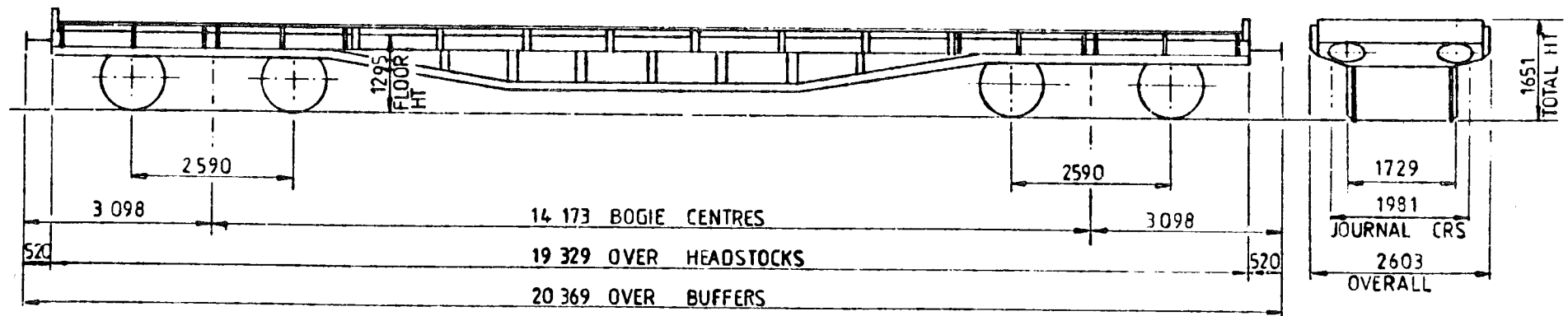
33.5 t GLW CARFLAT WGN

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. ARRGT. 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

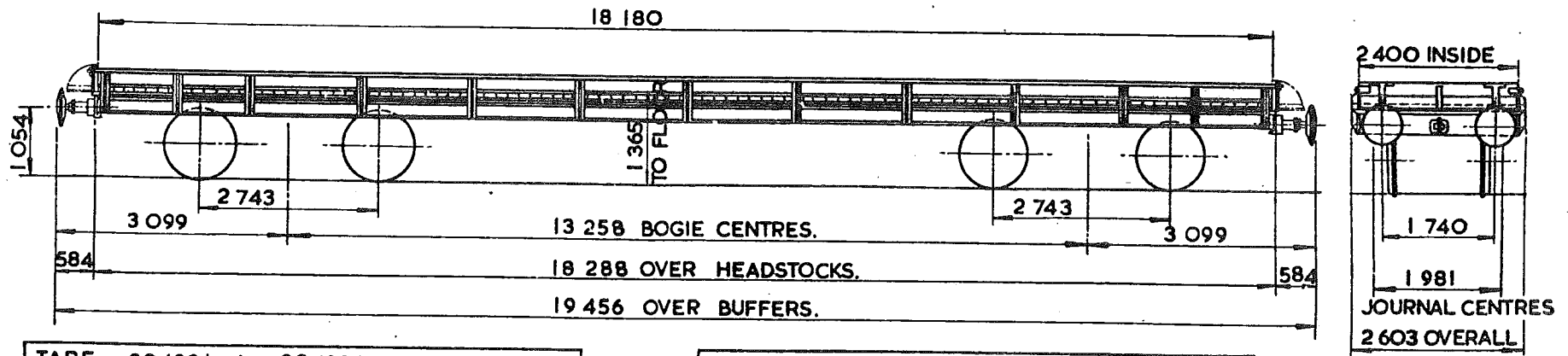
CARFLAT WAGON

FVOIOB

LOT NUMBER
3588
3589

EXCESS LENGTH	H	M	L	E
tonnes	31	29	25	22
VB	11	11	11	11
AB	11	11	11	11
RA	1	1	1	1
MAX. SPEED	75	75	75	75

TOPS CODE											
CARKND			AARKND			OPERATING PANEL No.					
F	V	X	F	V	X	D	I	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 111 PLAIN BEARINGS

BUFFERS - SPINDLE 61Q 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

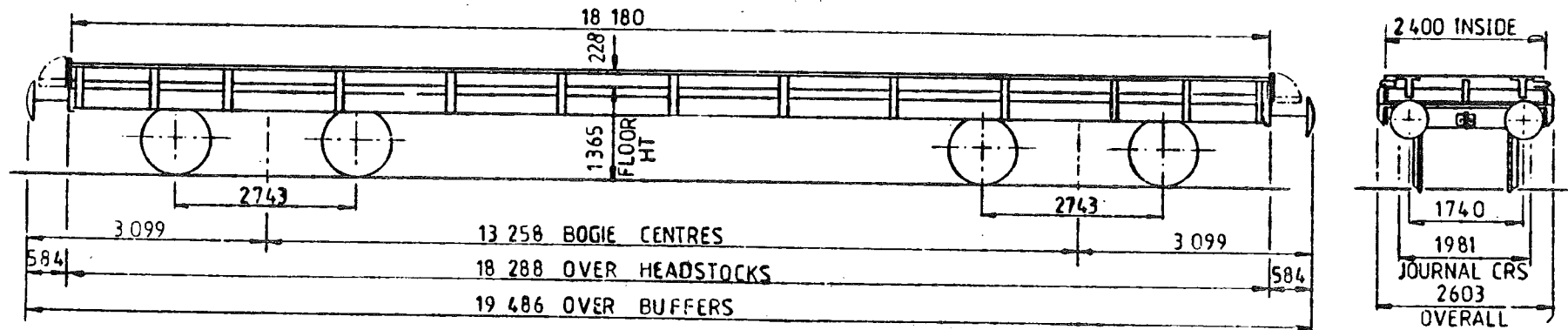
CARFLAT WAGON

FV010D

W 1290

LOT NUMBER	
3533	

TOPS INFORMATION														
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH					
CARKND		PANEL NO.		75 mile/h UP TO										
F	V	W	D	6	1	1	2	33.5 tonne GLW			11↑ BRAKED TO TARE		12	
				mile/h ABOVE										



TARE -	23 700 kg
CAPACITY, WEIGHT -	10 000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	71 m
GEN. ARRGT. DRG. N ^o -	DE 11487

BRAKE -	VACUUM BLOCK, AIR PIPE, HAND LEVER.
SUSPENSION -	EYEBOLT
COUPLINGS -	BR SCREW
BUFFERS -	SPINDLE 610 DIA HEADS
WHEELS -	1067 DIA
JOURNALS -	111 DIA ROLLER BEARINGS

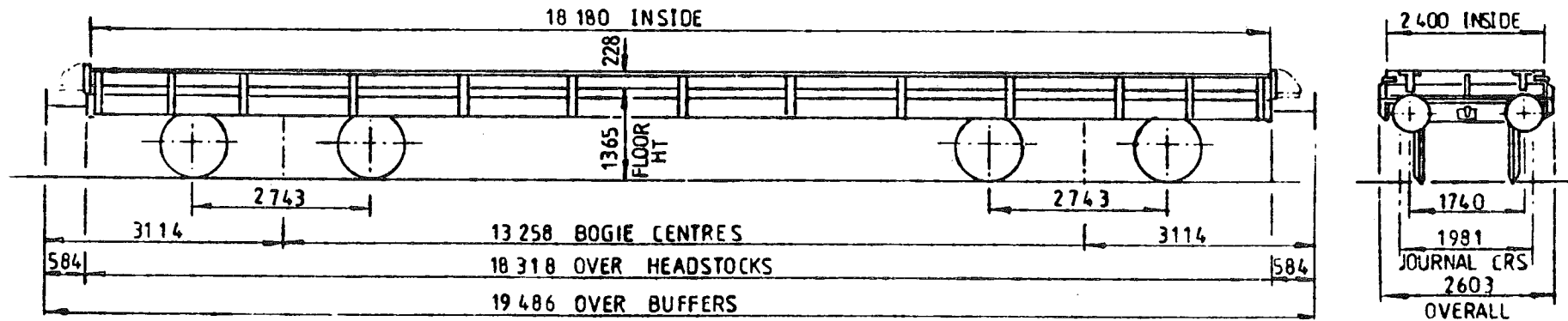
ISSUE 1

CARFLAT WAGON

FV010E

LOT NUMBER	
3533	

TOPS INFORMATION										
AARKND		OPERATING			OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH 12
CARKND		PANEL NO.			75 mile/h UP TO			11t BRAKED TO TARE		
F	V	W	D	6	1	1	2			



TARE -	23 700 kg
CAPACITY, WEIGHT -	10 000 kg
CAPACITY, VOLUME -	
MIN. CURVE -	71m
GEN. ARRGT. DRG. N ^o . -	DE 11487

BRAKE -	VACUUM BLOCK, AIR PIPE, HAND LEVER.
SUSPENSION -	EYE BOLT
COUPLINGS -	BR SCREW
BUFFERS -	SPINDLE 610 DIA HEADS
WHEELS -	1067 DIA
JOURNALS -	PLAIN BEARINGS

ISSUE 1

EX. BR. DIAGRAM 1/88

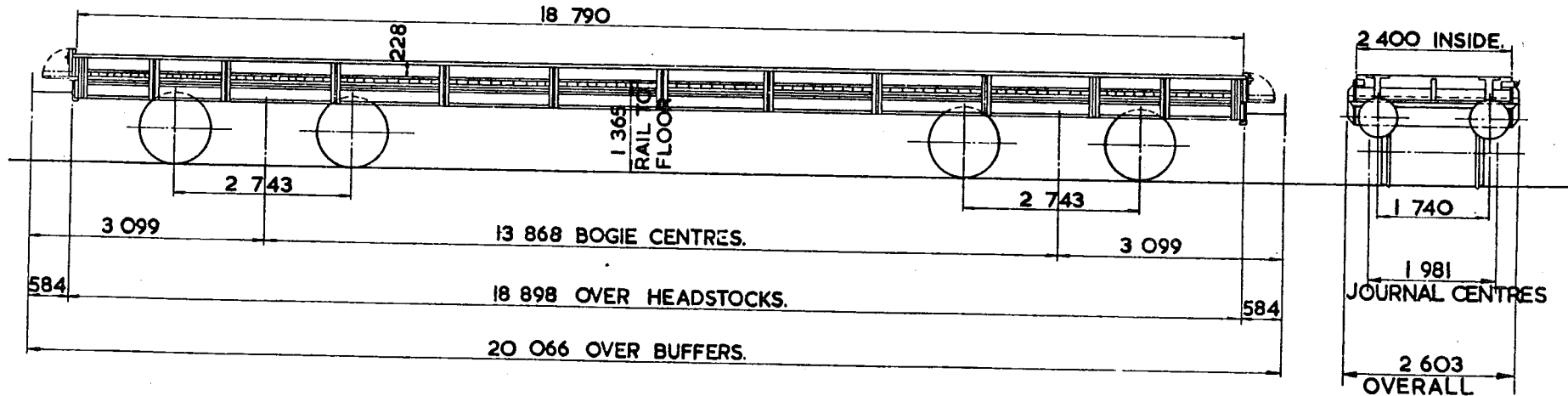
CARFLAT WAGON

FVOIIB

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

EXCESS LENGTH	12	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 m.p.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

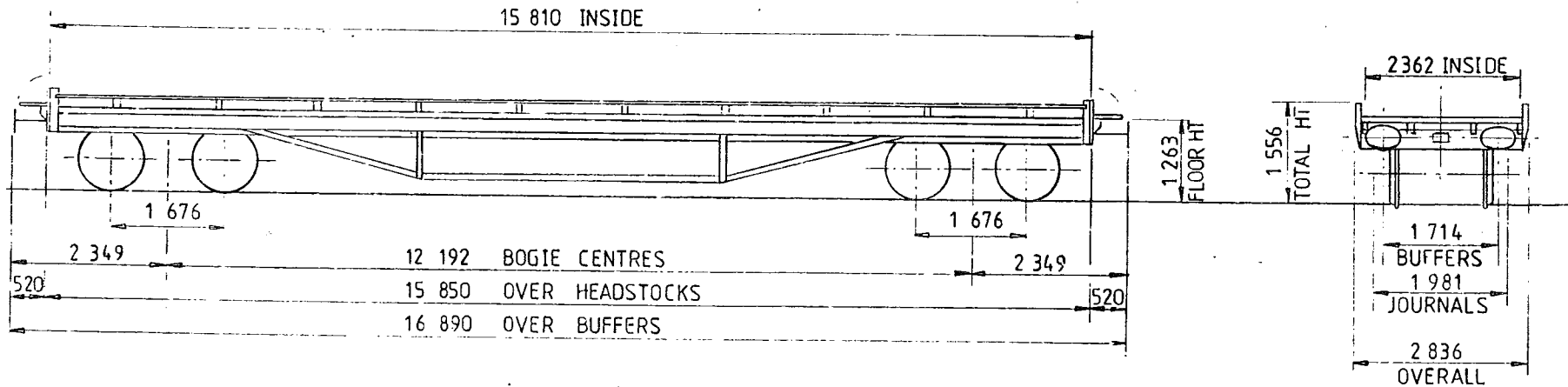
BOFLAT WAGON

FW001A

LOT NUMBER
3229
3240

EXCESS LENGTH	7	H	M	L	E
tonnes	58	47	31	21	
VB	12	12	12	12	
AB					
RA	3	1	1	1	
MAX. SPEED	60	60	60	60	

TOPS CODE										
CARKND		AARKND			OPERATING PANEL No					
F	W	V	F	W	V	B		1	7	9



TARE - 16 000 Kg
CARRYING CAPACITY - 42 400 Kg
CAPACITY -
MAX. SPEED - 60 mile/h
WHEELS - ϕ 952
JOURNALS - ϕ 124 ROLLER BEARINGS

BUFFERS - HYDRAULIC 610 x 356 OVAL HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 22 m
GEN. ARRGT. DRG. No. - SW/DE/35595, F-S-18284
BRAKE - VACUUM BLOCK, HAND SCREW
SUSPENSION - SECONDARY COIL

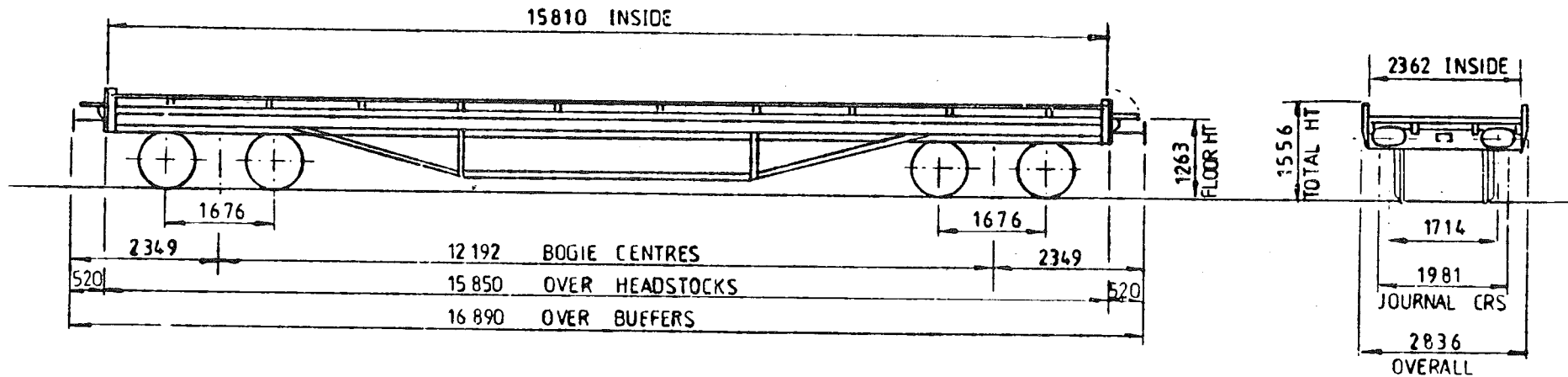
ISSUE 1

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			
F	W	W	B					7	3
						- mile/h ABOVE -			



TARE -	16000 kg
CAPACITY, WEIGHT -	14400 kg
CAPACITY, VOLUME -	
MIN. CURVE -	22 m
GEN. ARRGT. DRG. N ^o -	SW/DE/35595 F-S-18284

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

ISSUE 1

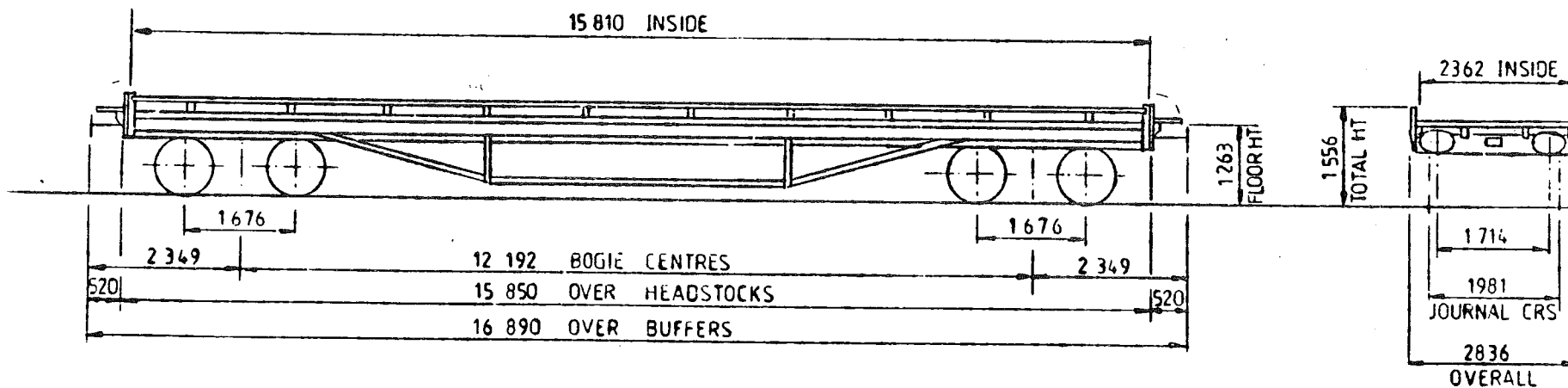
EX. BR. DIAGRAM 492

59 GLW BOFLAT WAGON

FW002A

LOT NUMBER	

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



TARE -	16 000 kg
CAPACITY, WEIGHT -	42 400 kg
CAPACITY, VOLUME -	
MIN. CURVE -	22 m
GEN. ARRGT. DRG. N ^o -	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

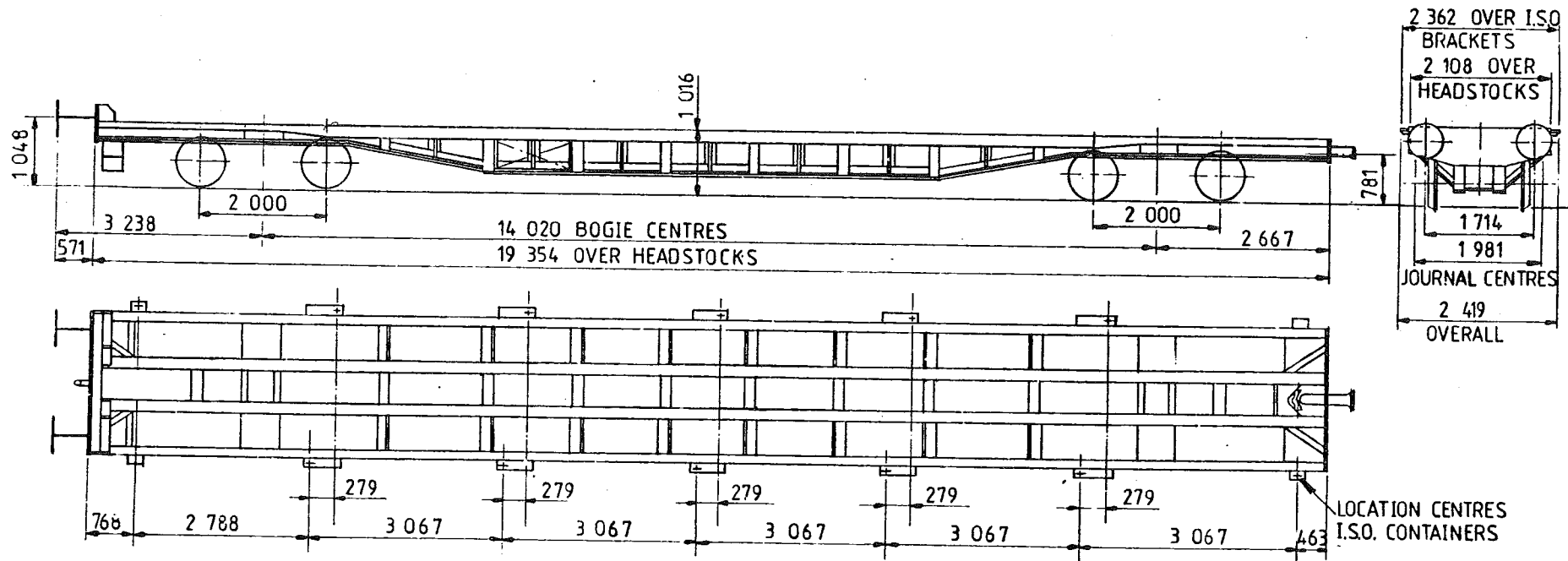
FREIGHTLINER OUTER VEHICLE

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. ARRGT. DRG. No. - F-S-2323
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - PRIMARY COIL

issue 1

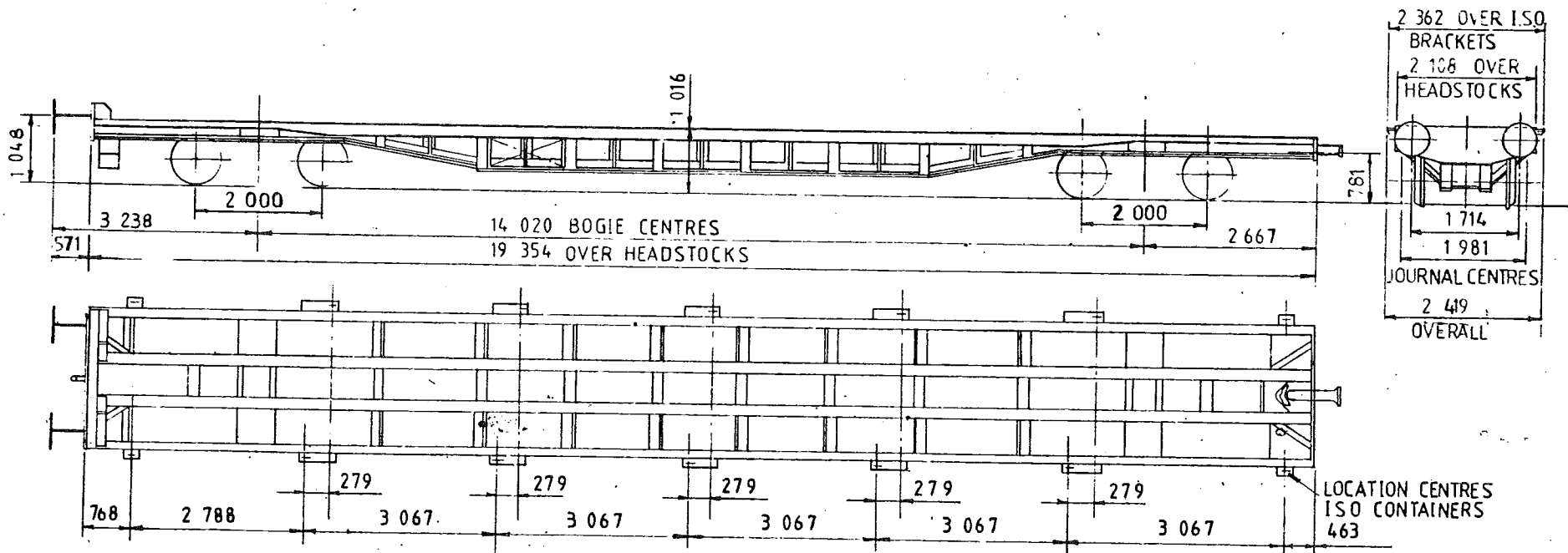
FREIGHTLINER OUTER VEHICLE

FY001-B

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

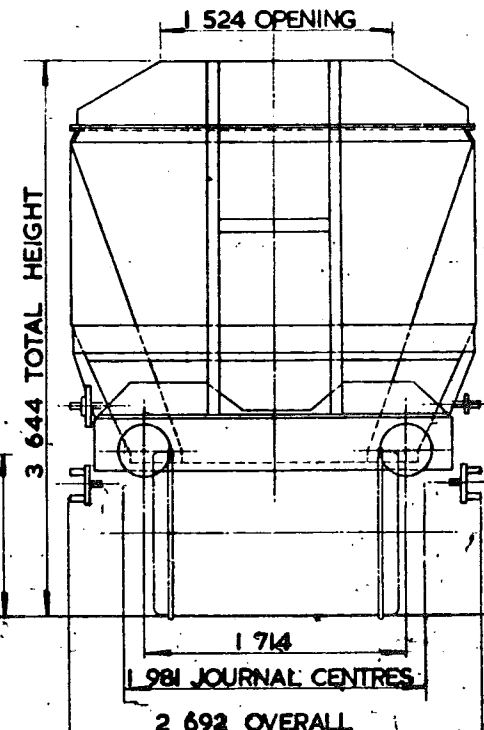
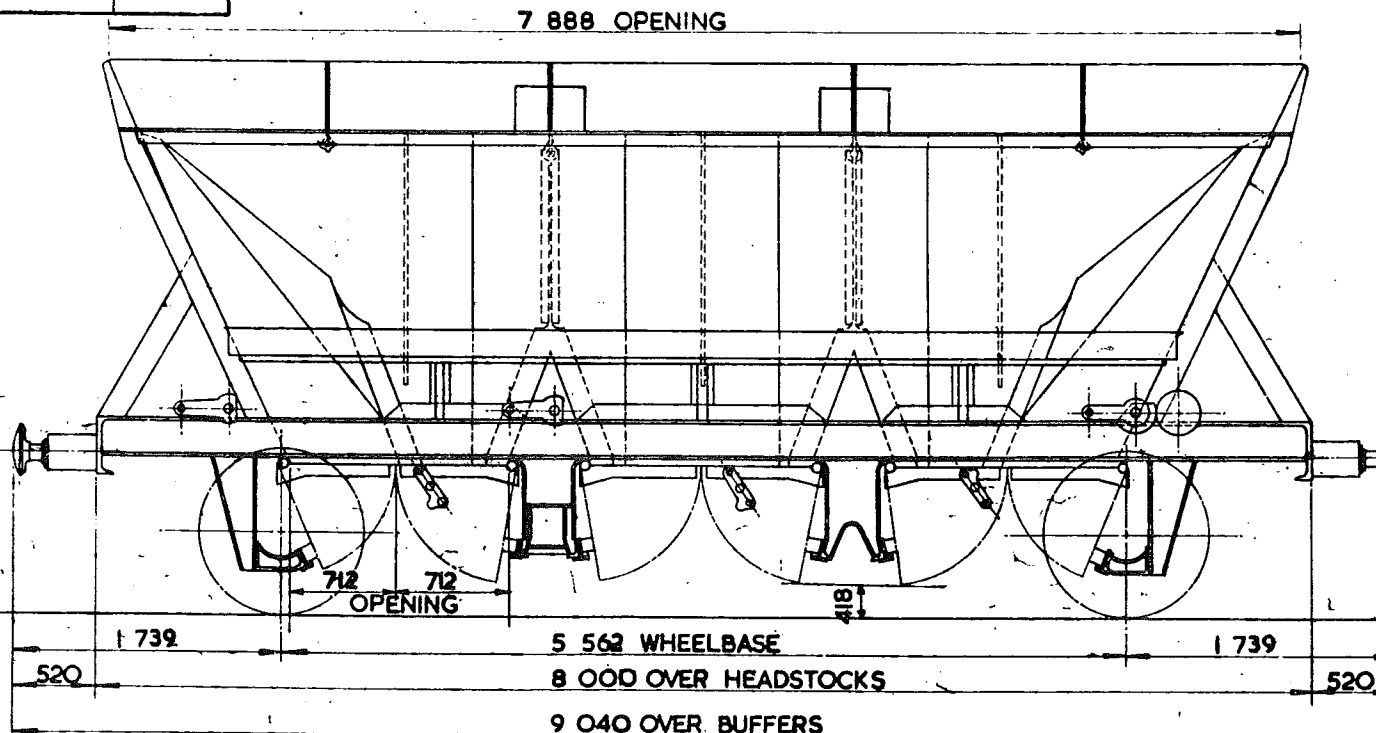
HOPPER COAL WAGON

HA001C

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 -	40323 m ³
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. ARRGT. 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.

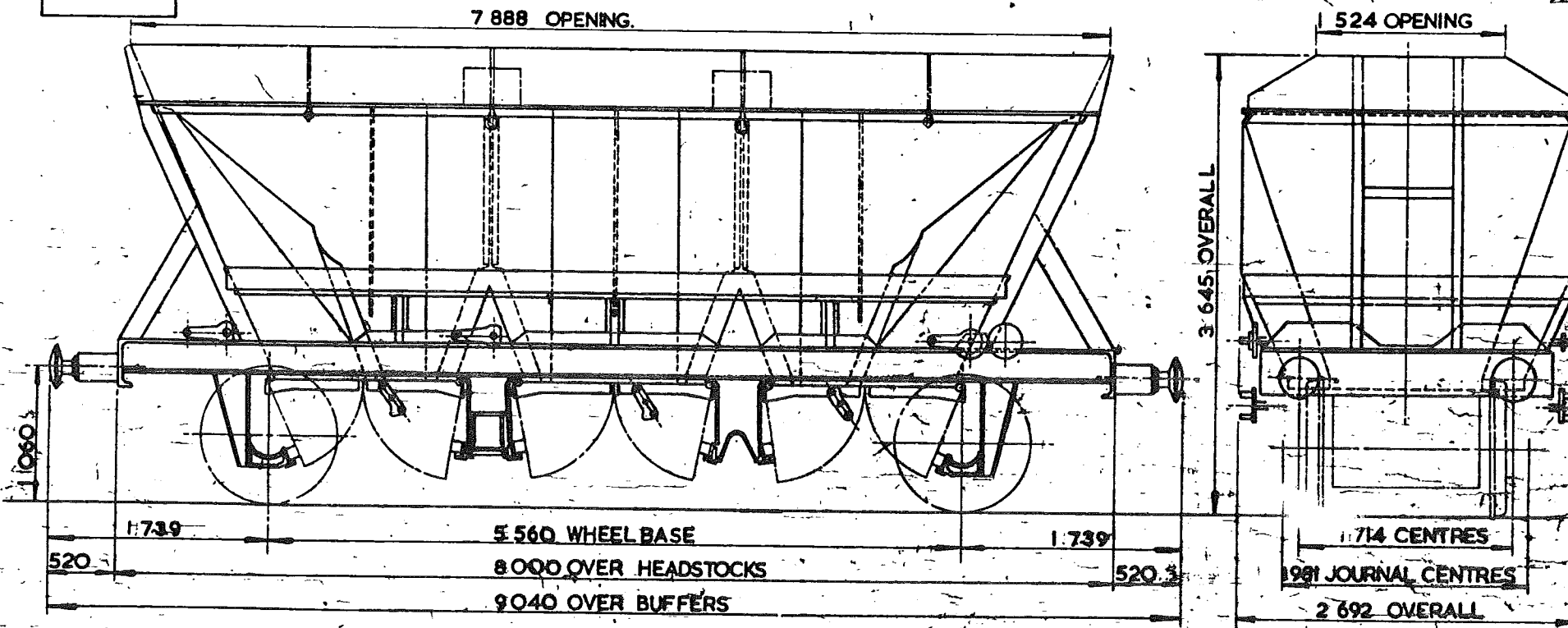
HOPPER COAL WAGON

HAOOD

LOT NUMBER
PART 3645

EXCESS LENGTH	5	H	M	L	E
tonnes	42	33	21	13	
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 N		3 8 0



TARE - 12 650 kg
CARRYING CAPACITY - 32 500 kg
CAPACITY - 40.323 m ³
MAX. SPEED - 60 mile/h
WHEELS - 1092 DIA.
JOURNALS - 140 DIA. ROLLER BEARINGS.

BUFFERS - HYDRAULIC 330 DIA. HEAD.
COUPLINGS - INSTANTER
MIN. CURVE - 41 m SLOPE 40 B CLOSE COUPLED
GEN. ARRGT. DRG. No. - DN 533185
BRAKE - AIR DISC & HAND LEVER
SUSPENSION - SINGLE LINK WITH EYEBOLT ADJUSTMENT

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

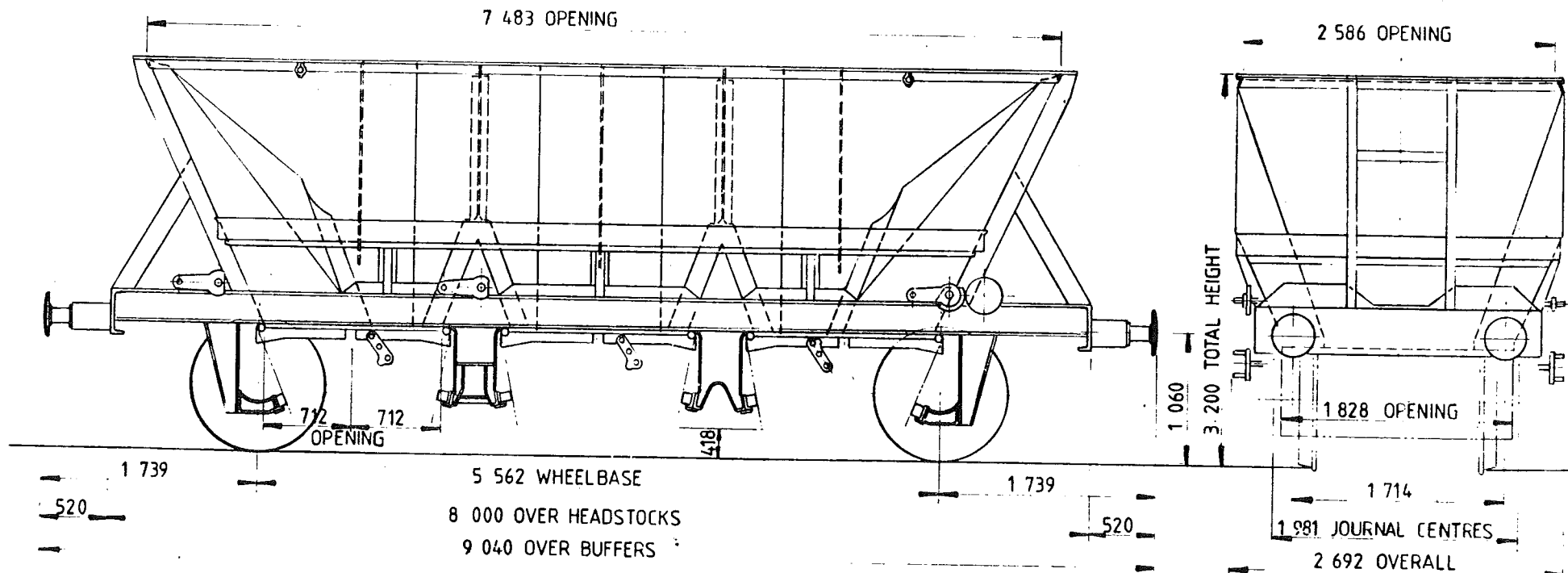
HOPPER COAL WAGON

HA002A

LOT NUMBERS.				
3558	3688	3699	3720	PART 3887
3751	3788	3815	3844	
PART 3528		PART 3574		
PART 3575		PART 3646		
PART 3647		PART 3670		

EXCESS LENGTH	S	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			
H	A	A	H	A	A	N	2	8	4



TARE	14,500 kg
CARRYING CAPACITY	33,500 kg
CAPACITY	32.734 m ³
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.	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 3

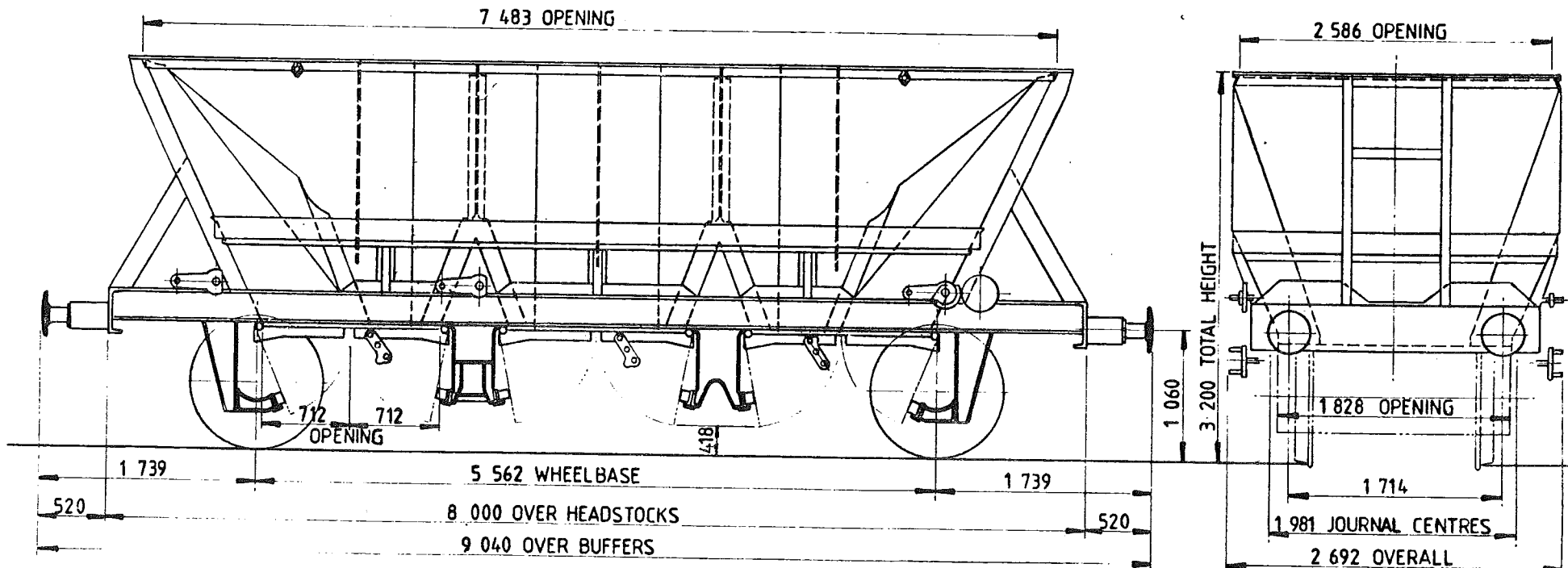
HOPPER COAL WAGON

HA002C

LOT NUMBER
3978
3984
3997
PT 3887

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	N	2	8	4



TARE -	14 500 kg
CARRYING CAPACITY -	33 500 kg
CAPACITY -	32.734 m ³
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

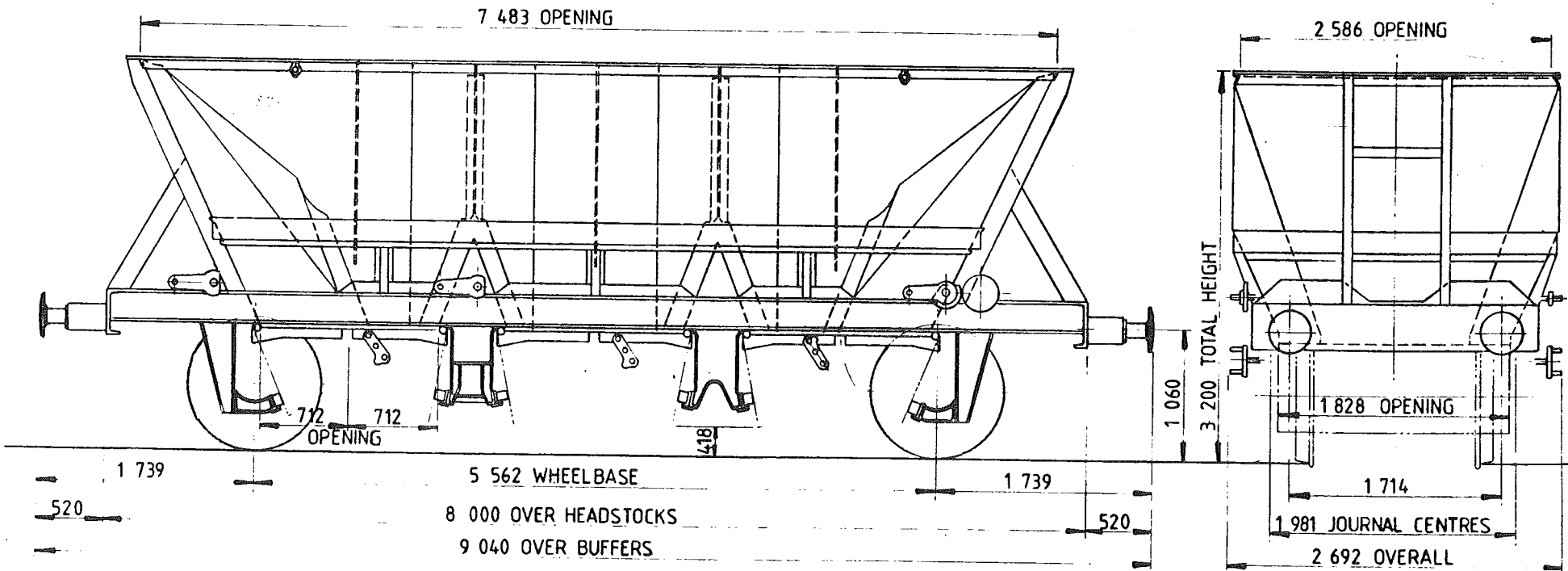
HOPPER COAL WAGON

HA002E

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

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 R	2 8 4



TARE	14 500 kg
CARRYING CAPACITY	33 500 kg
CAPACITY	32.736 m ³
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 2

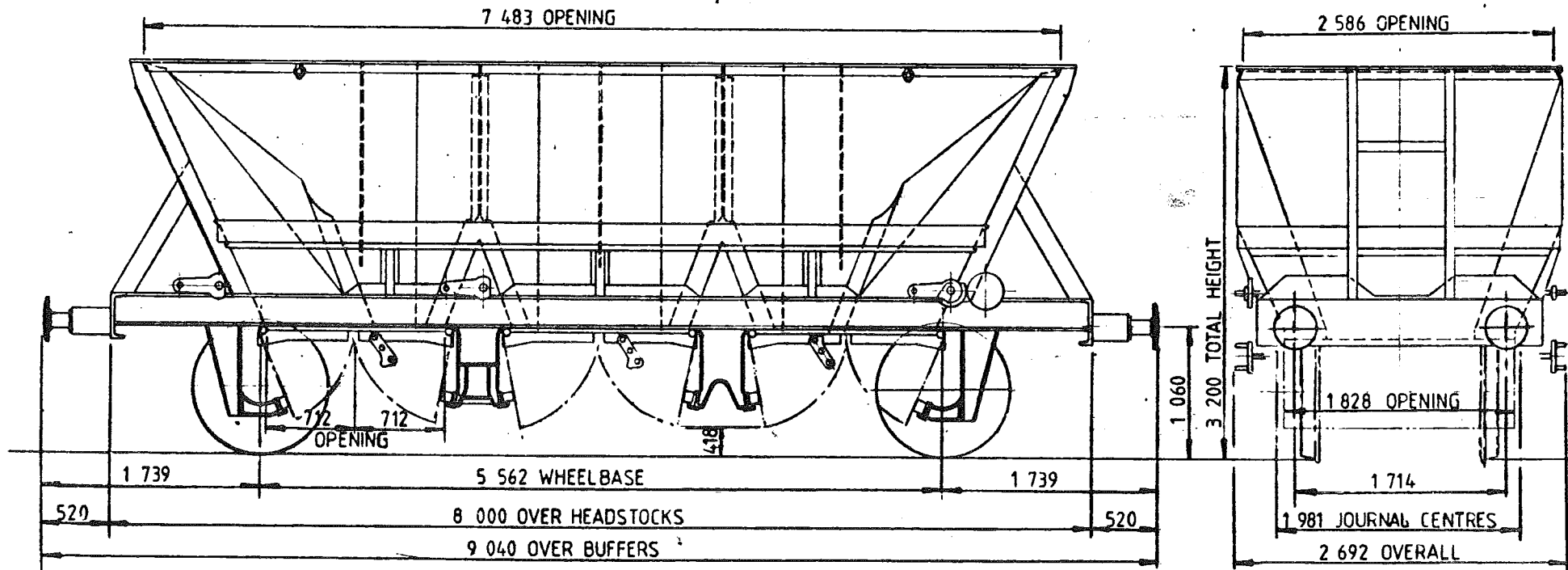
HOPPER COAL WAGON

HA002.F

LOT NUMBERS.					
3550	3688	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	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
				3	8
					1



TARE -	14 500 kg
CARRYING CAPACITY -	33 500 kg
CAPACITY -	32.734 m ³
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. -	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 1

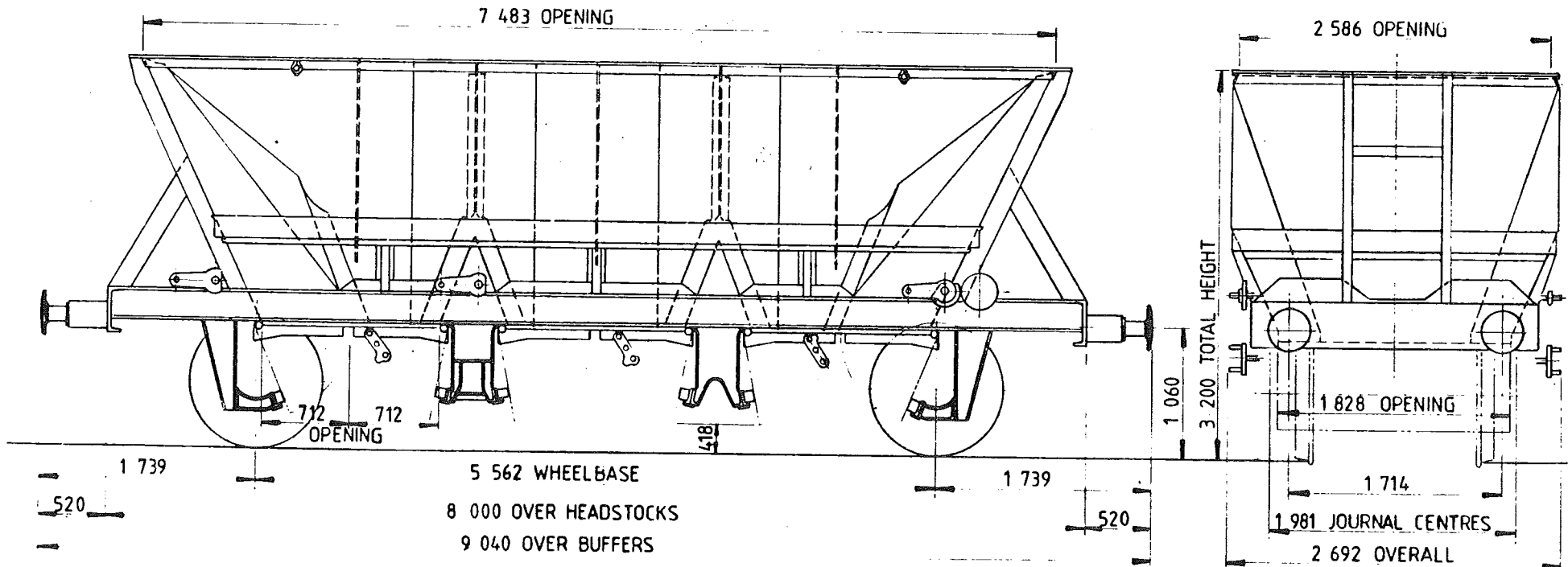
HOPPER COAL WAGON

HA002H

LOT NUMBER
3978
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 -	33 500 kg
CAPACITY -	32.734 m ³
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 1

EX B.R. DIAGRAM 156

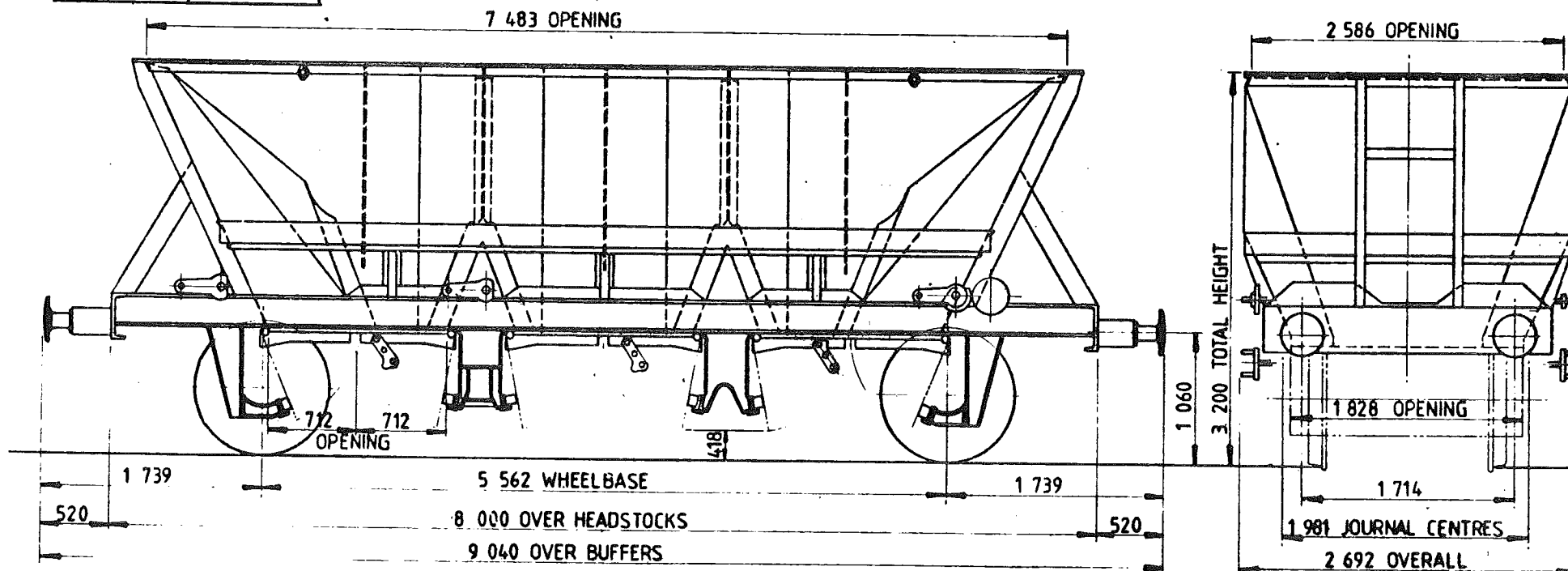
HOPPER COAL WAGON

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 -	33 500 kg
CAPACITY -	32.734 m ³
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
WS GAUGE.

issue 1

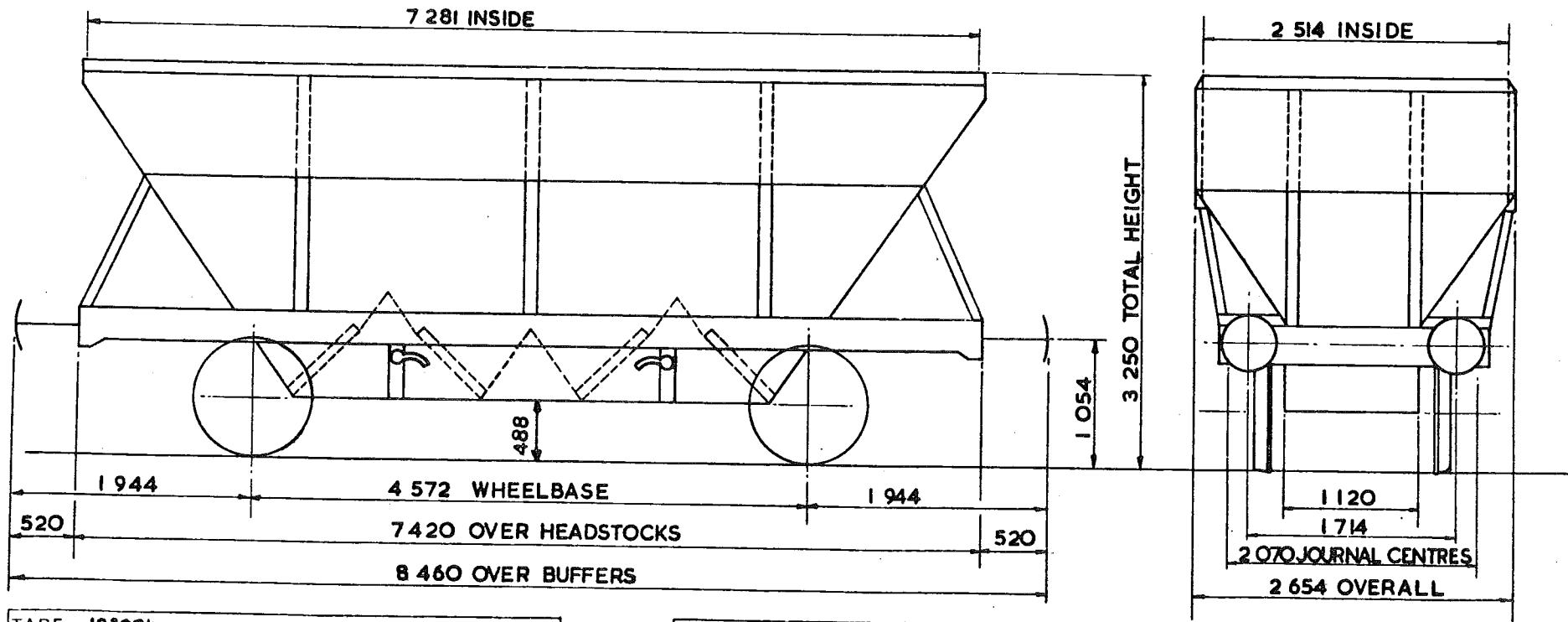
HOPPER WAGON MINERAL.
(46 tonnes G.L.W.)

HB 00IA.

LOT NUMBER
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	45	

TOPS CODE										
CARKND			AARKND			OPERATING PANEL No.				
H	B	A	H	B	A	G	3	0	4	0



TARE -- 13 200 kg
CARRYING CAPACITY- 32 500 kg
CAPACITY- 31.000 m³
MAX. SPEED - 60 mile/h
WHEELS - 952 DIA.
JOURNALS - 150 DIA. ROLLER BEARINGS

BUFFERS - HYDRAULIC 457 DIA HEADS
COUPLINGS - INSTANTER.
MIN. CURVE - 31 m
GEN. ARRGT. DRG. No. - F-AO-11975
BRAKE - AIR DISC & HAND LEVER
SUSPENSION - B.R. FRICTION LINK

ISSUE 2

EX. B.R. DIAGRAM 140 (ALLOCATED)

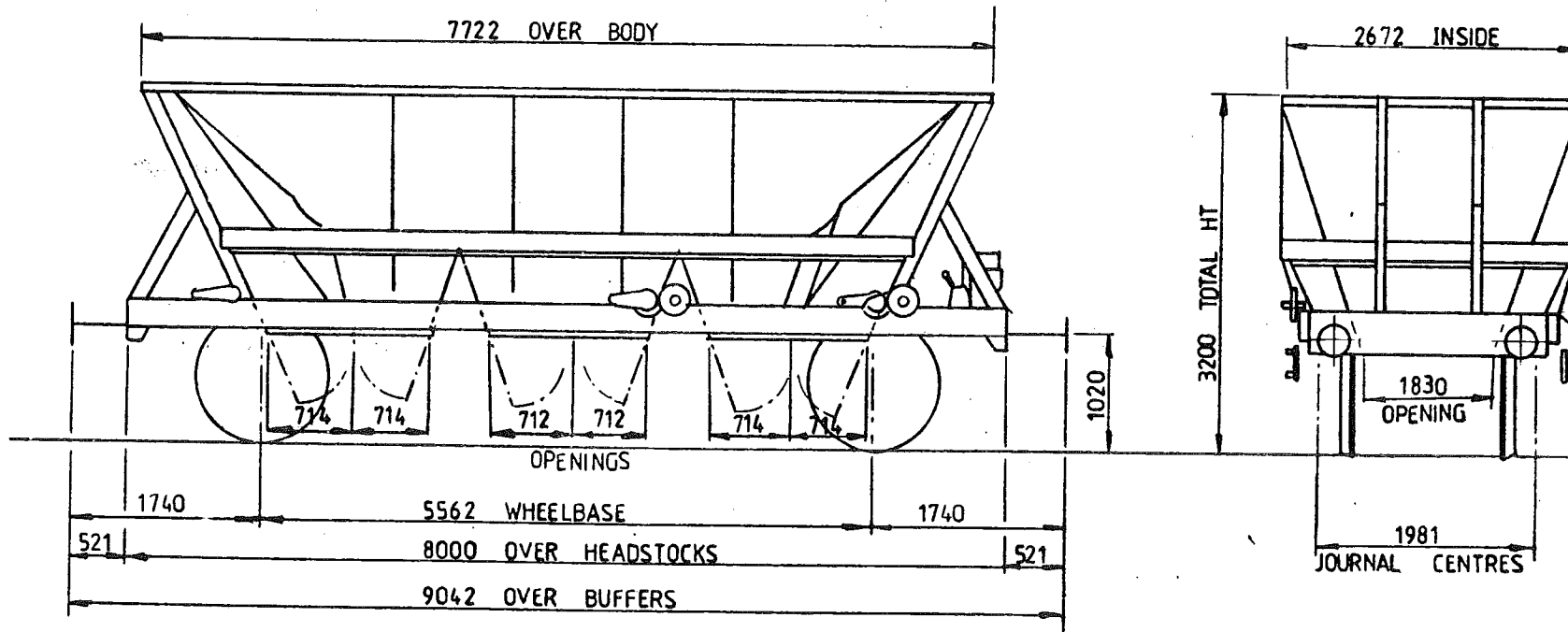
HOPPER COAL WAGON

HD001A

W686

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 34t GLW		
H D A	U 3 0 5 8	mile/h ABOVE 47 tonne GLW		20t above 34t GLW		



TARE -	14250 kg (est)
CAPACITY, WEIGHT -	33500 kg (est)
CAPACITY, VOLUME -	32.7 m ³
MIN. CURVE -	31 m
GEN. ARRGT. DRG. N ^o -	C1-A0-9003833

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 W5 GAUGE

ISSUE 1

EX. BR. DIAGRAM

HOPPER COAL WAGON

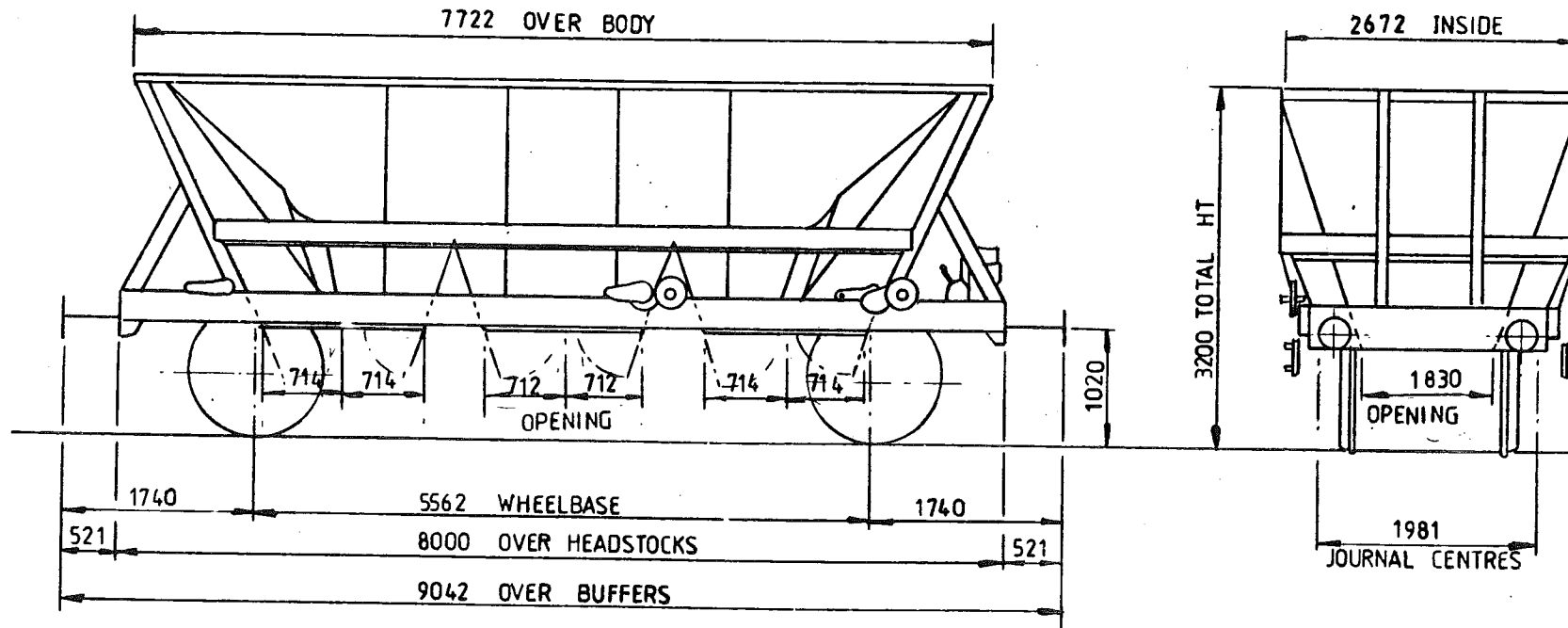
HD001B

W1020

LOT NUMBER	
	4008

TOPS INFORMATION				
AARKND	OPERATING	OPERATING SPEED		EXCESS LENGTH
CARKND	PANEL NO.	60 mile/h UP TO		7t up to 34 t GLW 20t above 34 t GLW
H D A U	3 0 5 8	- mile/h ABOVE 47 tonne GLW		

G/P CHANGEOVER DISCONNECTED
PERMANENTLY IN "GOODS" MODE



TARE -	14250 kg [est]
CAPACITY, WEIGHT -	33500 kg [est]
CAPACITY, VOLUME -	32.7m ³
MIN. CURVE -	31m
GEN. ARRG'T. DRG. N ^o -	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 W5 GAUGE

ISSUE 1

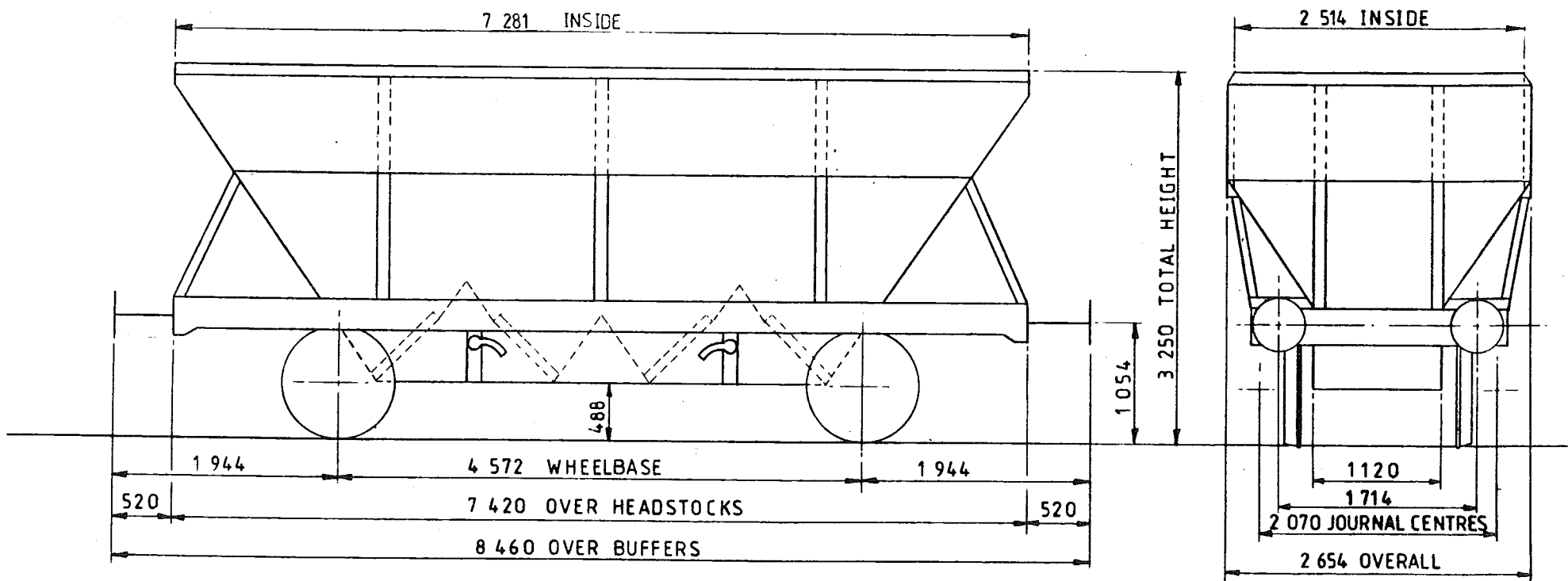
HOPPER WAGON MINERAL. (46 tonnes G.L.W.)

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			
H	E	A	H	E	A
G	3	0	3	6	



TARE	13 200kg
CARRYING CAPACITY	32 500kg
CAPACITY	31 000m ³
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

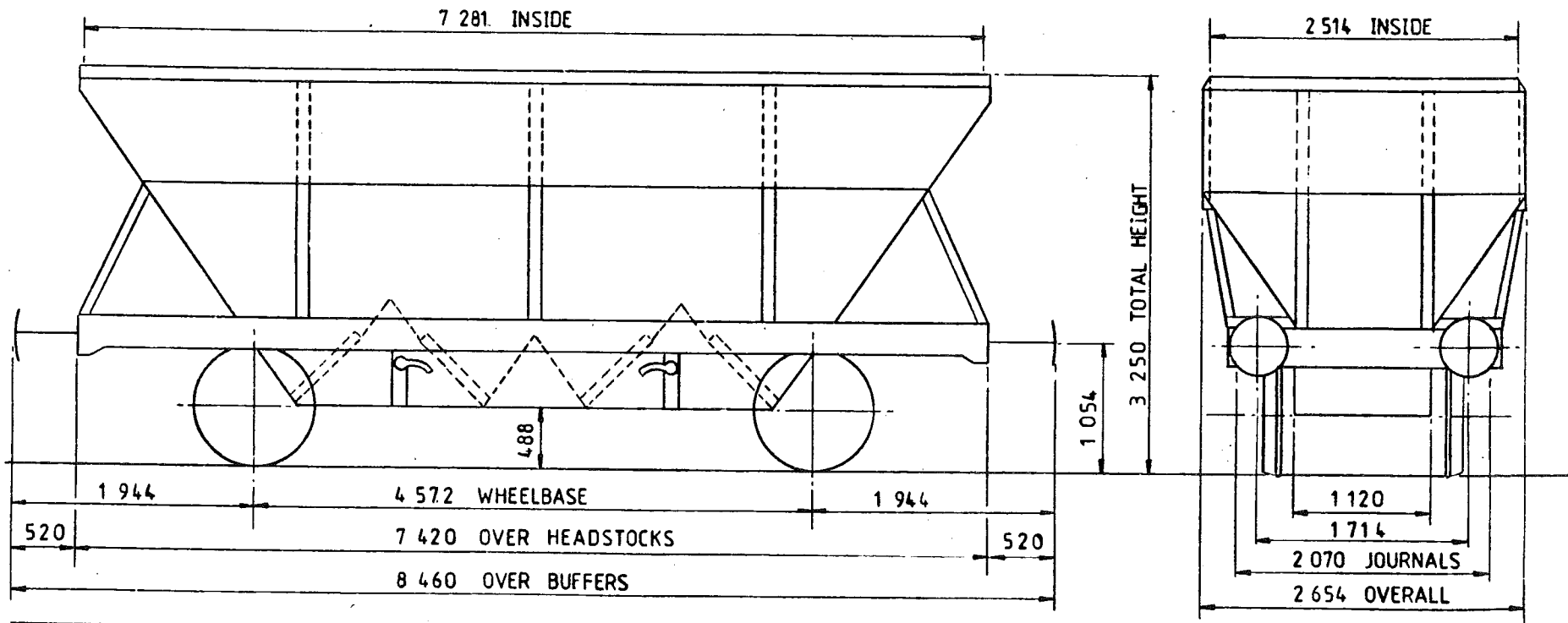
51 tonne G.L.W. HOPPER MINERAL WAGON

HE001B

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 - 13 ²⁰⁰ Kg
CARRYING CAPACITY - 37 ⁵⁰⁰ Kg
CAPACITY - 31 m ³
MAX. SPEED 60 mile/h
WHEELS - ϕ 952
JOURNALS ϕ 150 ROLLER BEARINGS

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

ISSUE 2

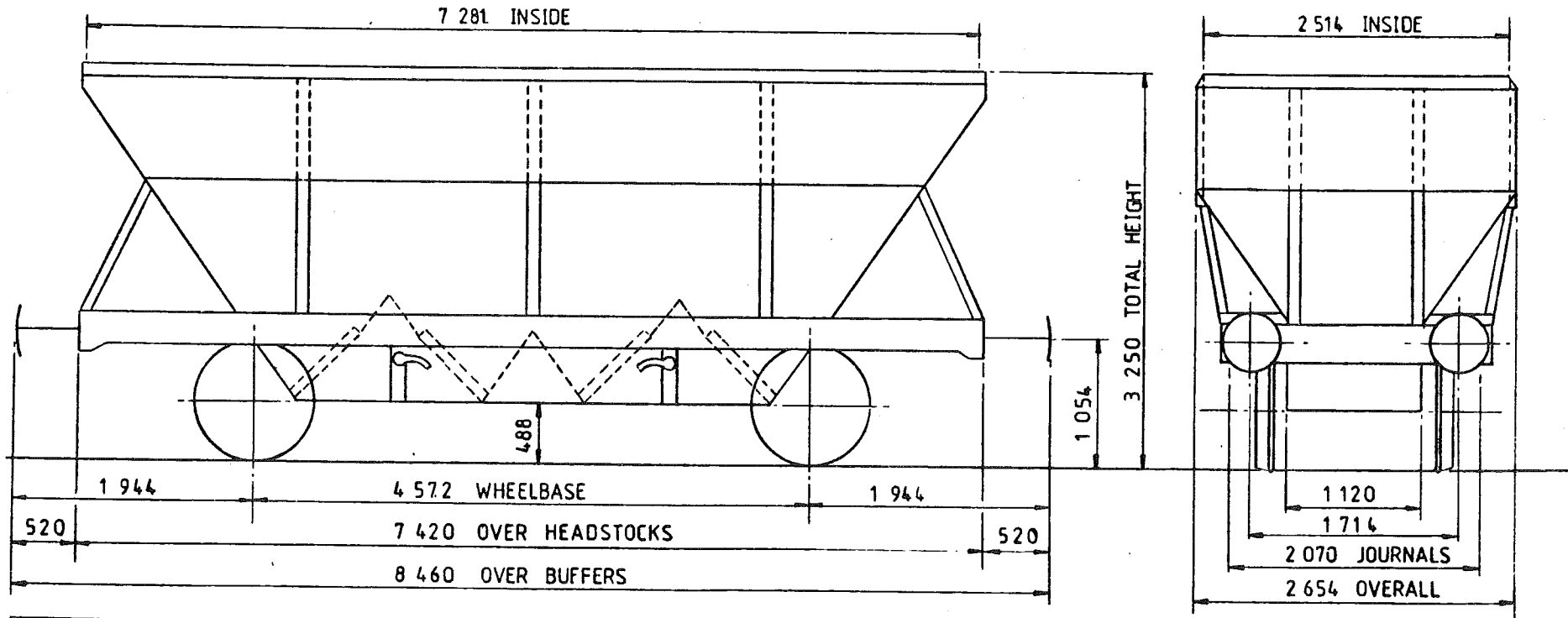
46 tonne G.L.W. HOPPER MINERAL WAGON

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	MAINTENANCE		
H	E	A	H	E	A
G	3	0	3	6	



TARE	13 200 Kg
CARRYING CAPACITY	32 500 Kg
CAPACITY	31 m ³
MAX SPEED	60 mile/h
WHEELS	φ 952
JOURNALS	φ 150 ROLLER BEARINGS

BUFFERS	HYDRAULIC φ 457 HEADS
COUPLINGS	INSTANTER
MIN CURVE	31 m
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.)

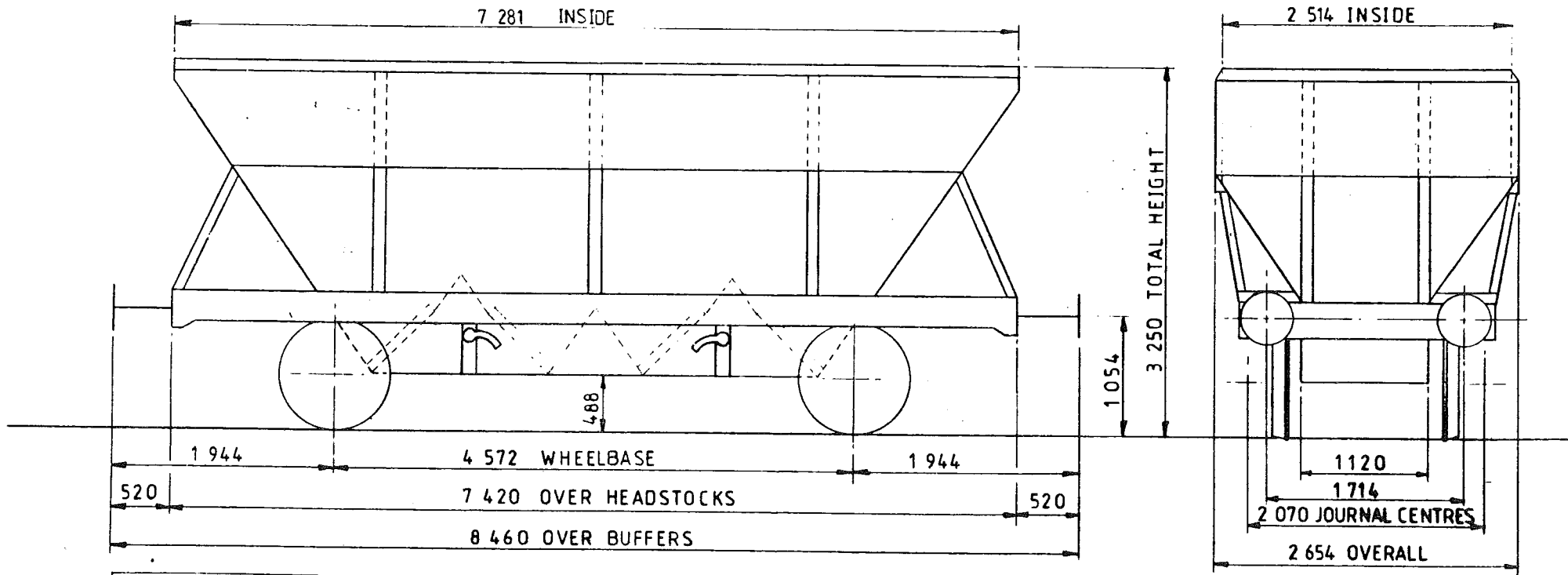
HE 001D

L ^O T 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 PANEL			
H	E	A	H	E	A
G	3	0	3	6	



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

BUFFERS	HYDRAULIC	457 DIA. HEADS
COUPLINGS	INSTANTER	
MIN CURVE	31m	
GEN ARRG'T DRG No.	F-A0-14311	
BRAKE	AIR DISC & HAND LEVER	
SUSPENSION	BR FRICTION LINK, (BRUNINGHAUS)	

G/P DISCONNECTED,
PERMANENTLY IN 'GOODS' POSⁿ

ISSUE 1

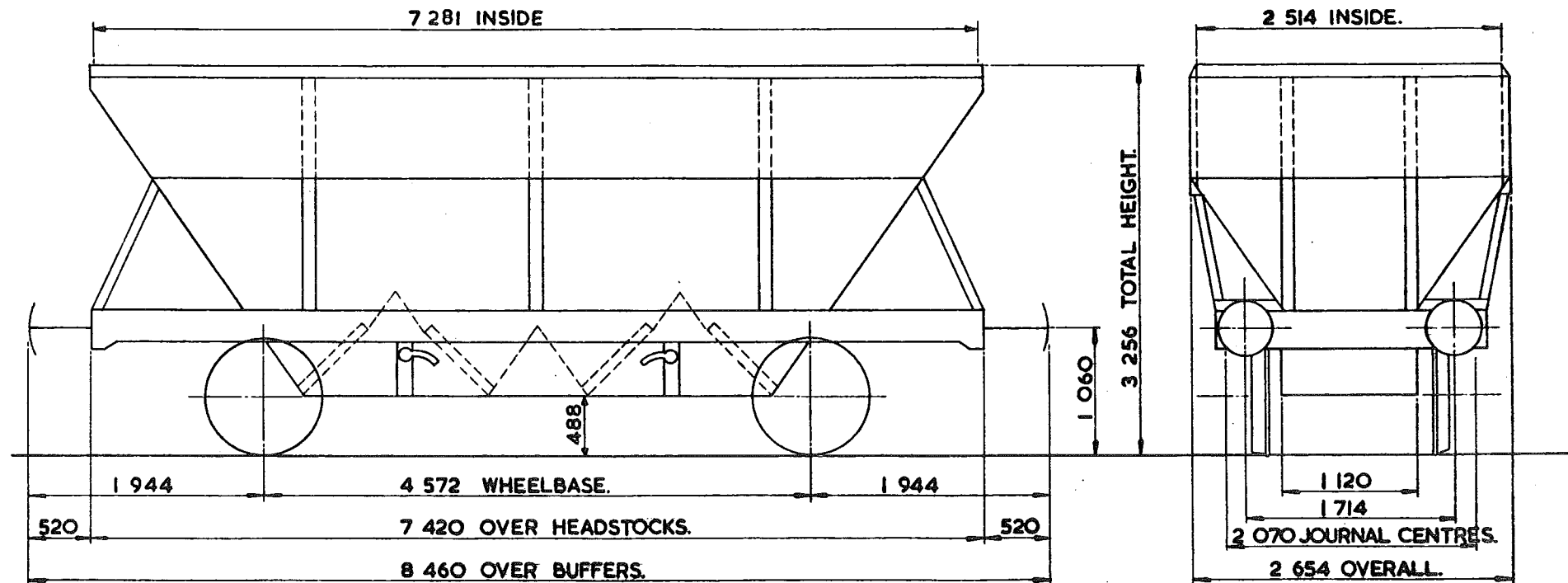
51 tonnes G.L.W. HOPPER-MINERAL

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 -	13000kg.
CARRYING CAPACITY -	38000kg.
CAPACITY -	31.000m ³ .
MAX. SPEED -	60 mile/h.
WHEELS -	952 DIA.
JOURNALS -	150 DIA. ROLLER BEARINGS.

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

ISSUE 1

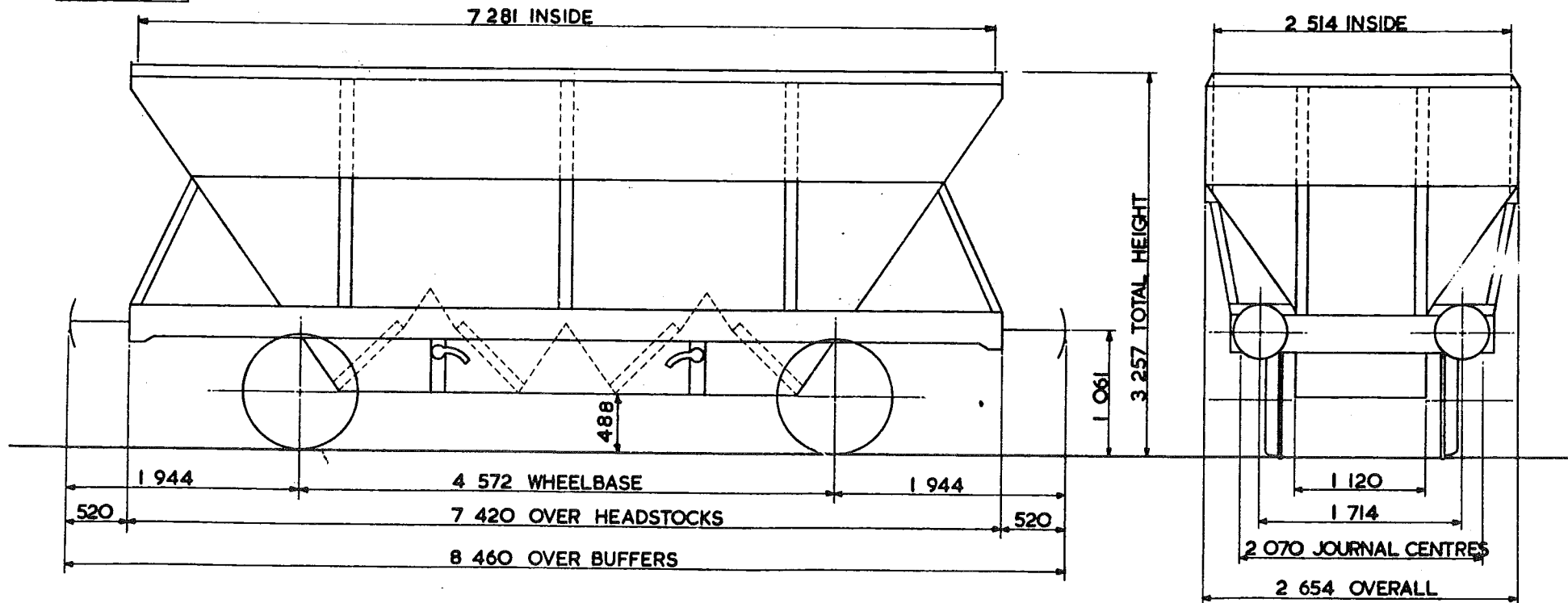
51 tonnes G.L.W. HOPPER MINERAL

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 -	13000 kg
CARRYING CAPACITY -	38000 kg
CAPACITY -	31000 m ³
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

ISSUE 1

EX. B.R. DIAGRAM 140 (ALLOCATED)

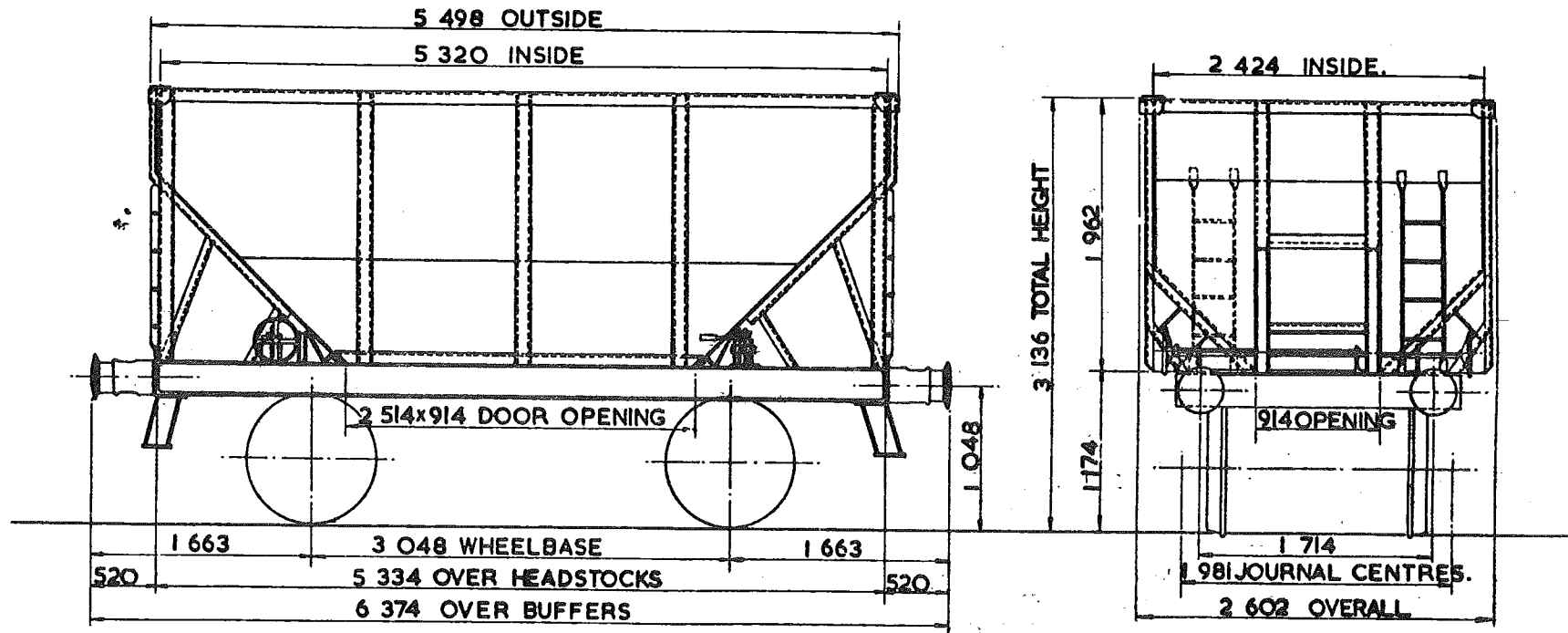
HOPPER IRONSTONE WAGON

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	V	HJ	V	C	192



TARE - 10 550 kg
CARRYING CAPACITY - 25 500 kg
CAPACITY - 18.774 m ³
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 21968
BRAKE - VACUUM BLOCK & HAND LEVER.
SUSPENSION - SHOE.

issue 2

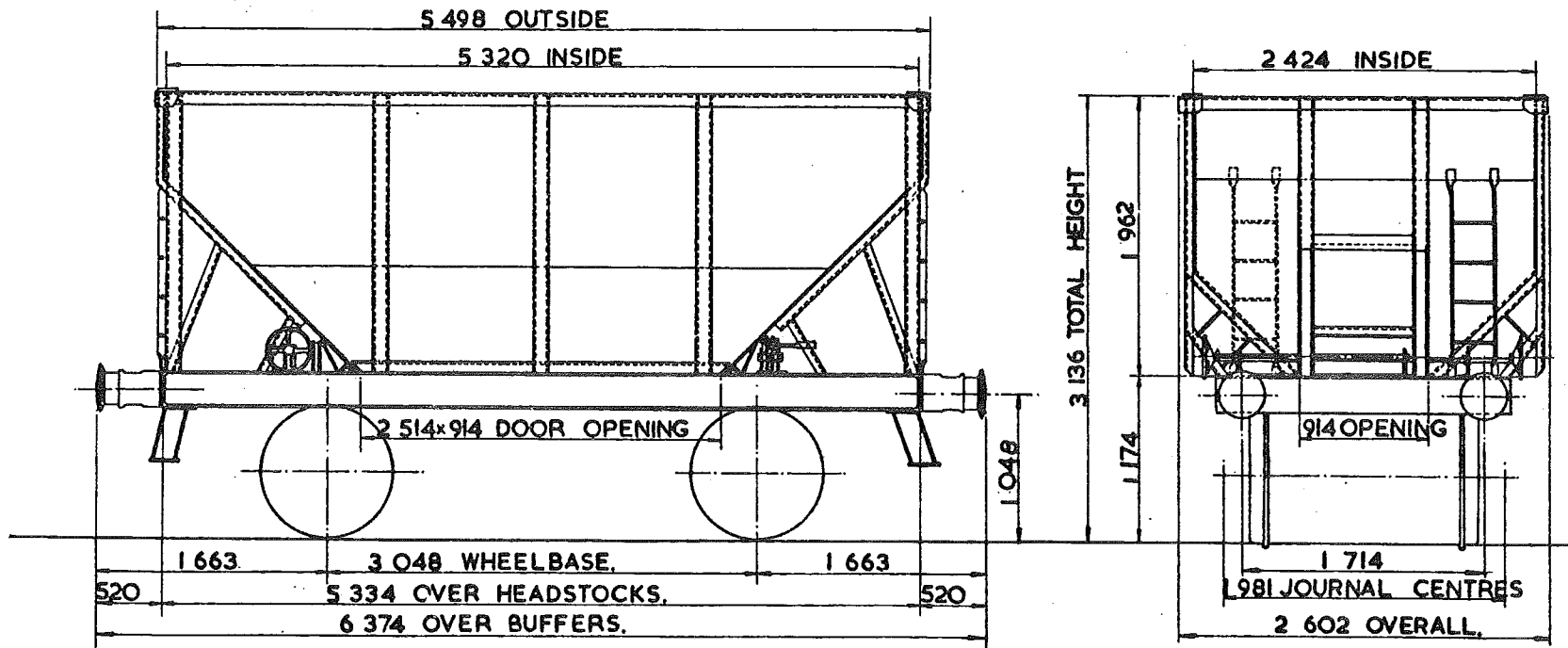
HOPPER IRONSTONE WAGON

HJ 002B

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.			
H	J	V	H	J	V	C	1	9	2



TARE - 9450kg.
CARRYING CAPACITY - 25 000kg.
CAPACITY - 18.774 m ³ .
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

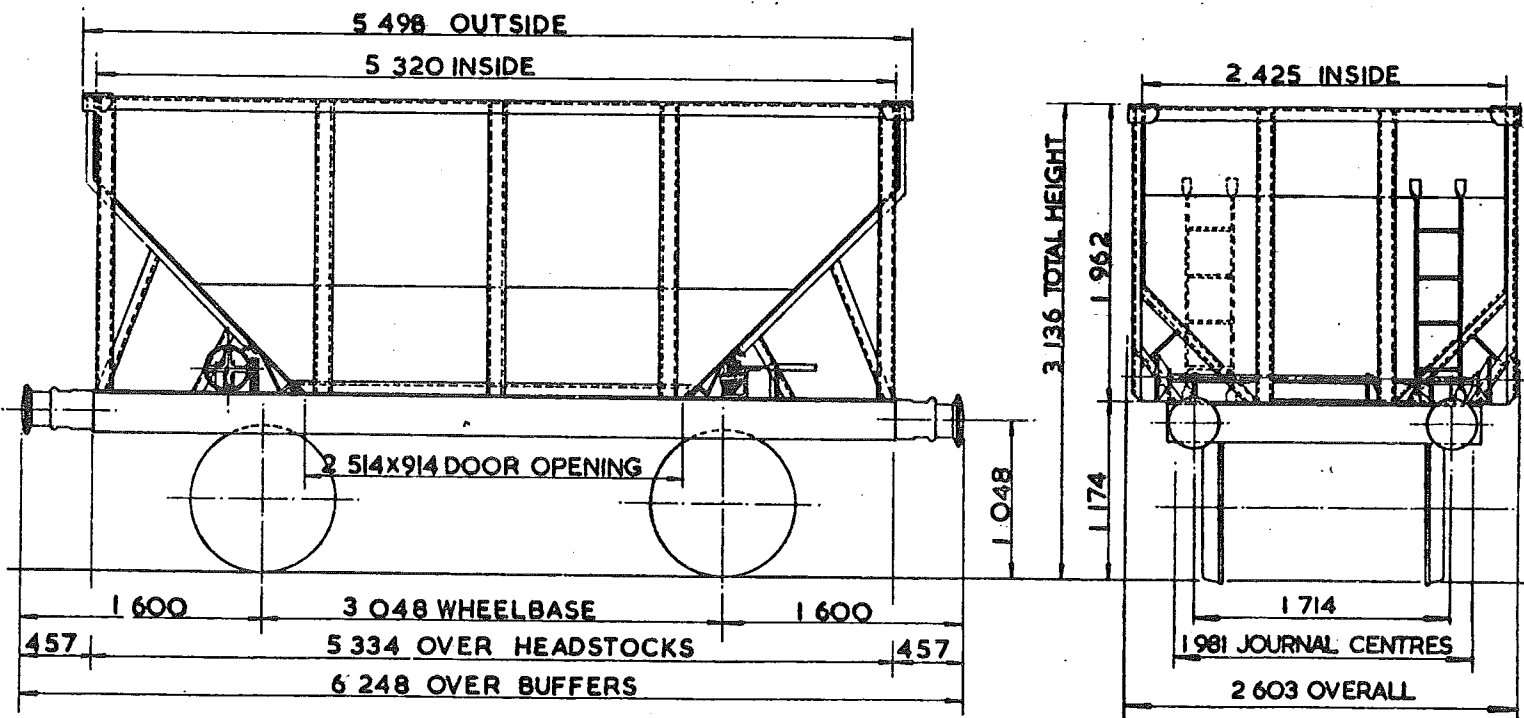
HOPPER IRONSTONE WAGON

HJ002C

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.			
H J V H J V C					



TARE - 11100kg
CARRYING CAPACITY - 24500kg
CAPACITY 18 774m ³
MAX. SPEED - 35mile/hr.
WHEELS - 952 DIA.
JOURNALS - 254 x 127 PLAIN BEARINGS.

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

issue 1

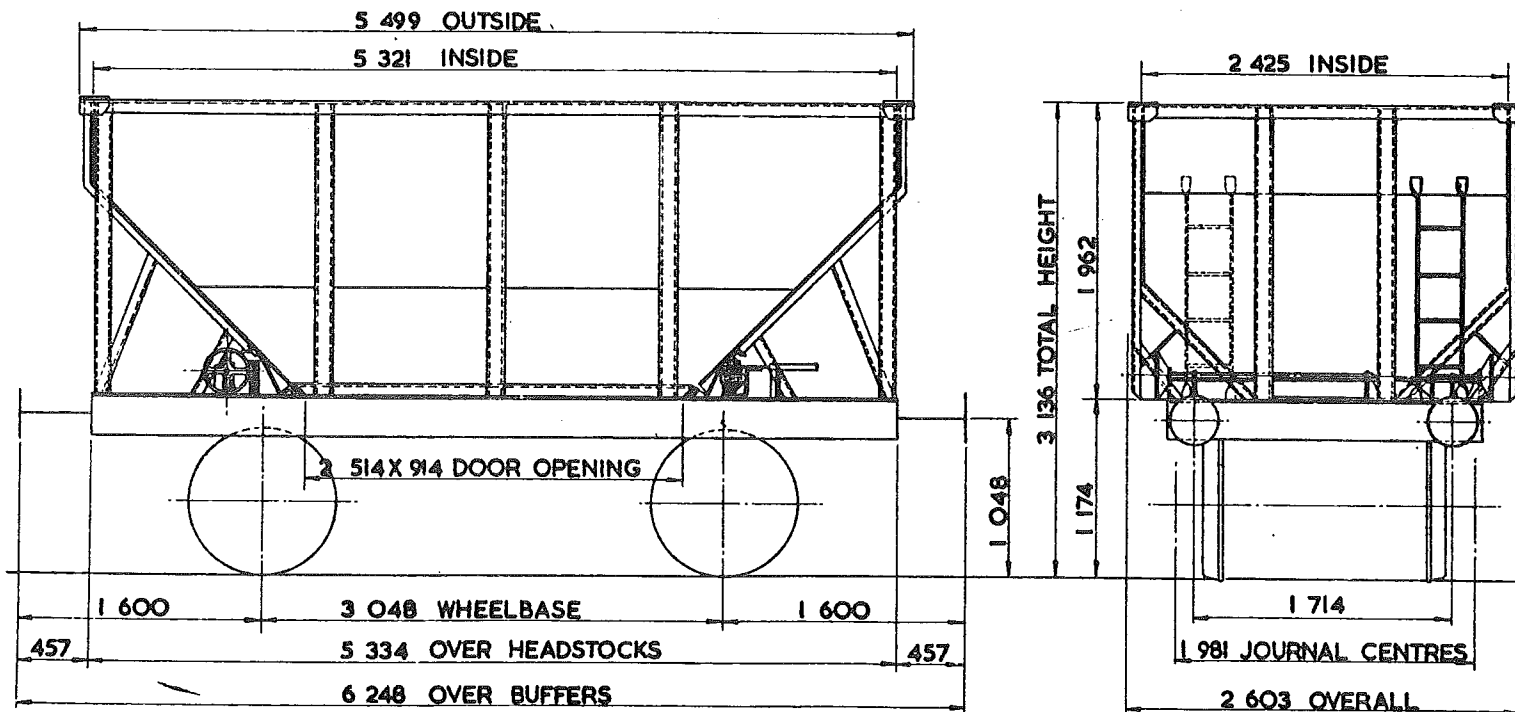
HOPPER IRONSTONE WAGON

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 ³
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

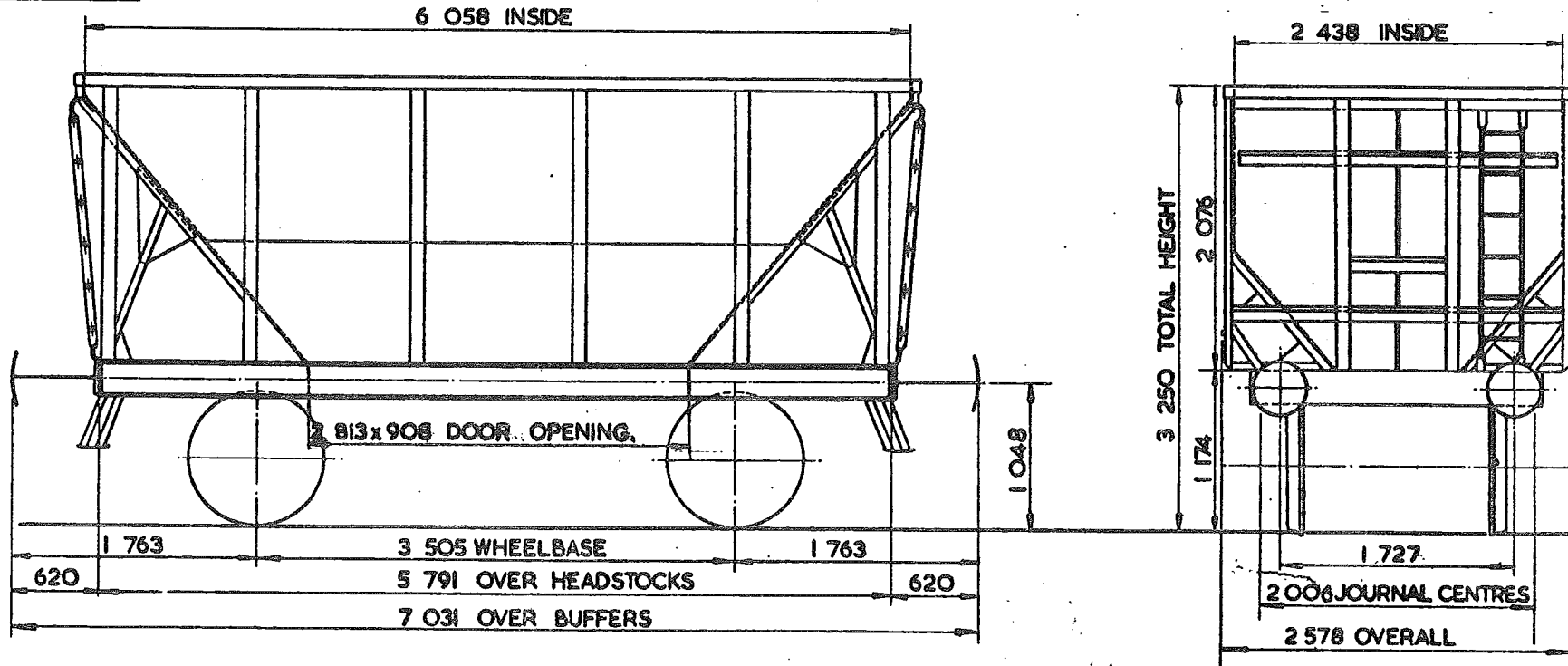
HOPPER IRONSTONE WAGON

HKOOIA

LOT NUMBER
2962

EXCESS LENGTH	I	H	M	L	E
tonnes	45	32	20	12	
VB	6	6	6	6	
AB					
RA	8	5	2	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No.		
H	K	V	H	K	V
E					3 7



TARE - 11400 kg
CARRYING CAPACITY - 33500 kg
CAPACITY
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 305 x 152 PLAIN BEARINGS

BUFFERS - SELF CONTAINED 380 DIA. HEADS
COUPLINGS - INTERNATIONAL SCREW
MIN. CURVE - 21 m
GEN. ARRGT. DRG. No. - DN 21101
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE

ISSUE 1

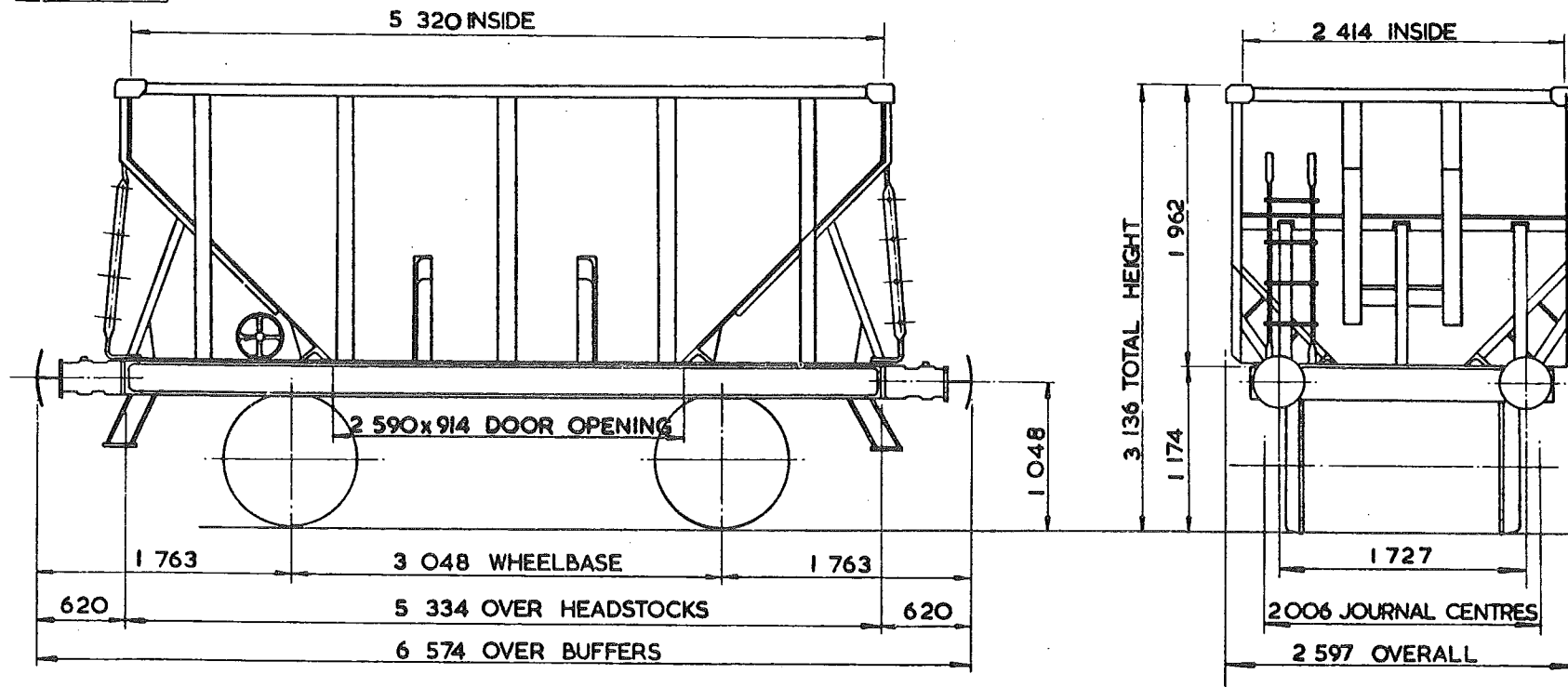
HOPPER IRONSTONE WAGON

HK003A

LOT NUMBER
PART 3002

EXCESS LENGTH	I	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 K V G	1 9 4



TARE -- 11 550 kg
CARRYING CAPACITY - 34 000 kg
CAPACITY - 18.776 m ³
MAX. SPEED -- 35 mile/h
WHEELS - 952 DIA.
JOURNALS - 305 X 152 PLAIN 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 2

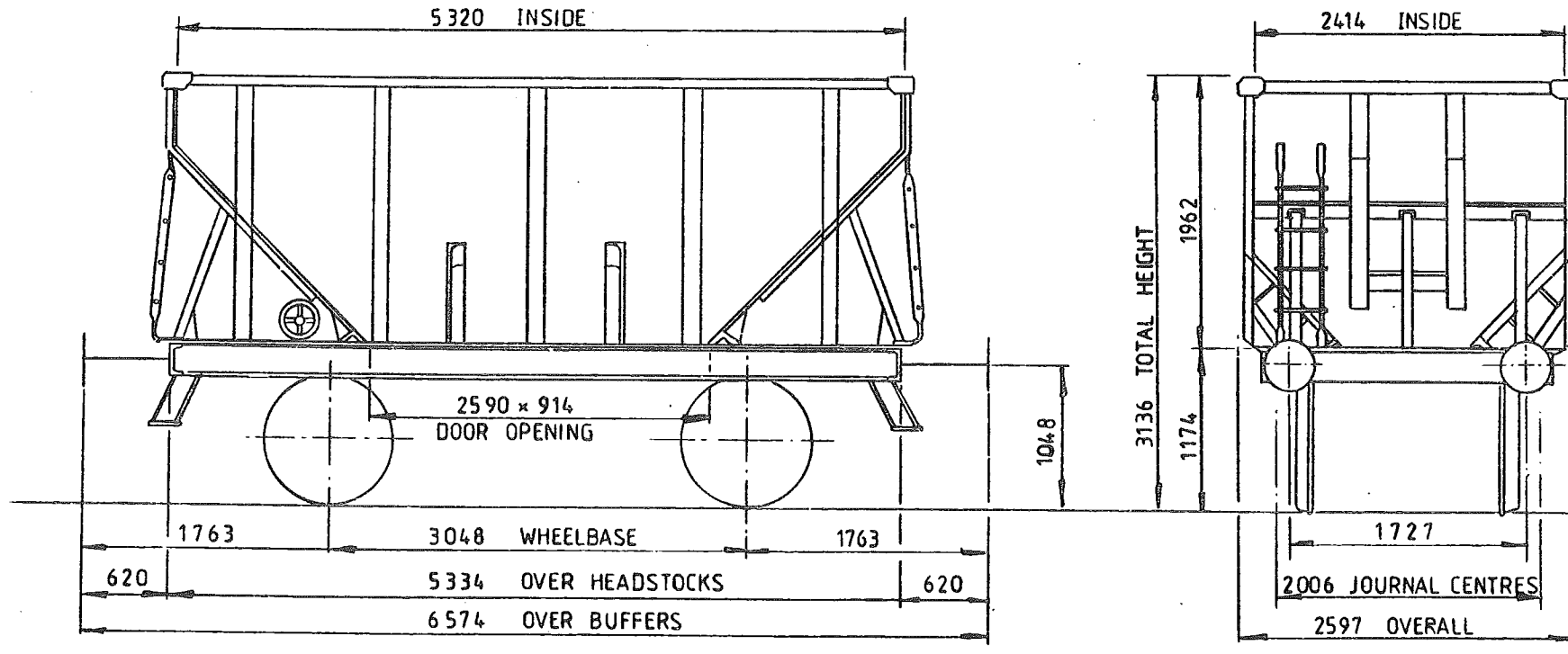
HOPPER IRONSTONE WAGON

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 -	34000 kg
CAPACITY -	18.776 m ³
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

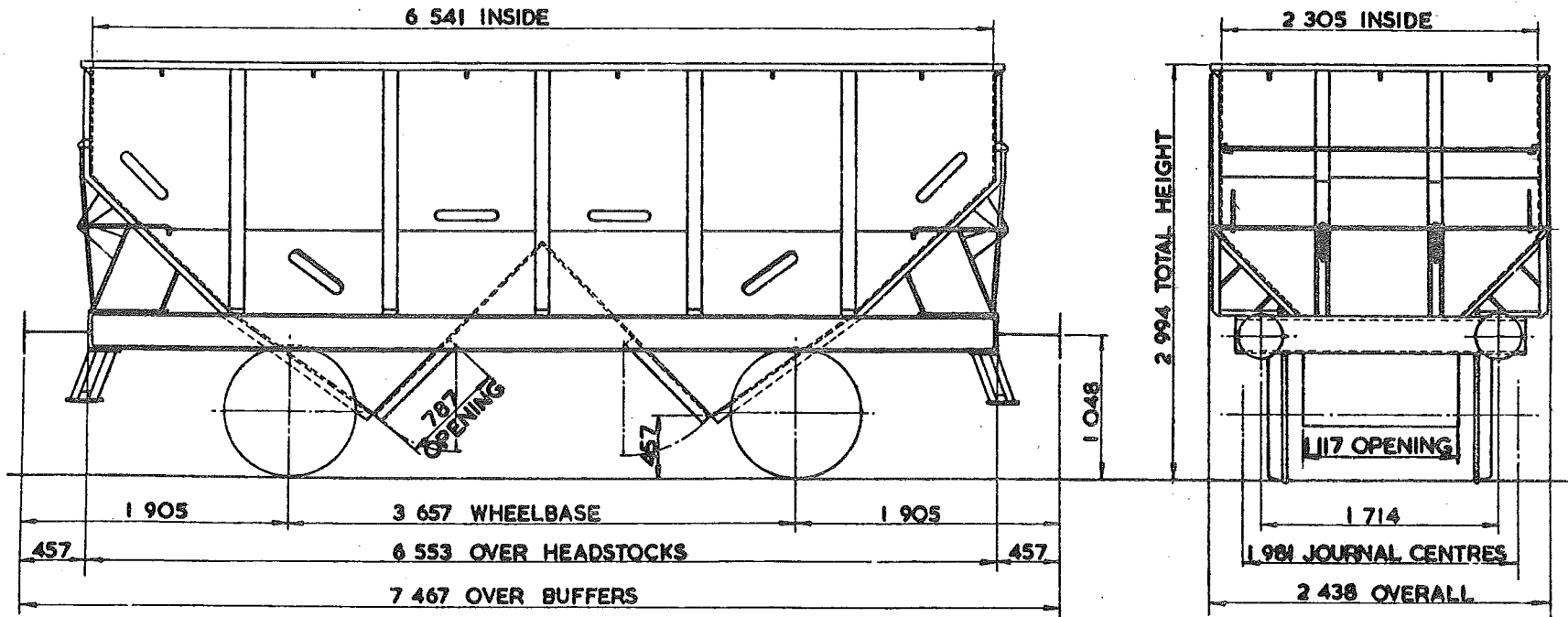
HOPPER COAL WAGON

HT004C

LOT NUMBER
PART 2552
PART 2731
PART 3013
PART 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 D			5	5



TARE - 9 450 kg
CARRYING CAPACITY - 21 500 kg
CAPACITY - 23.928 m ³
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. - SW/DN/19676
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE

ISSUE 2

EX. B.R. DIAGRAM 146

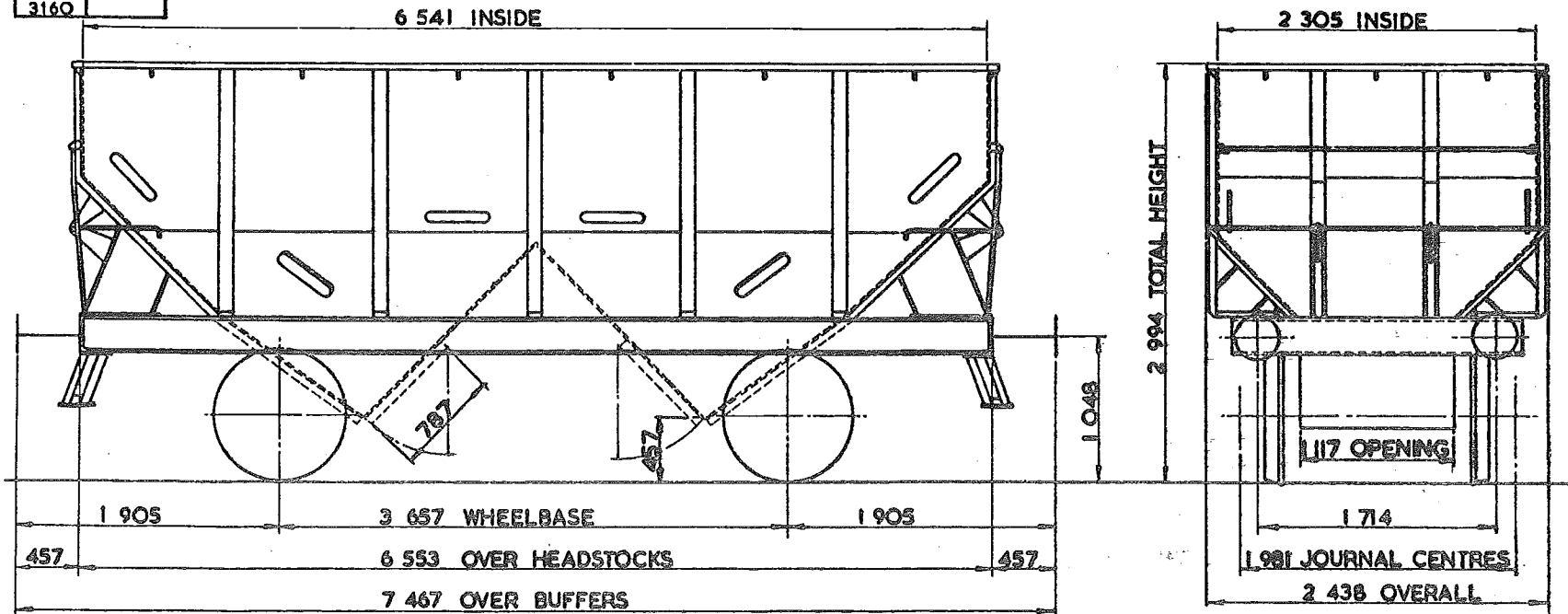
HOPPER COAL WAGON

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		5	5	



TARE - 9 450 kg
CARRYING CAPACITY - 21 500 kg
CAPACITY - 23.928 m ³
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
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE

ISSUE 2

EX. BR. DIAGRAM 146

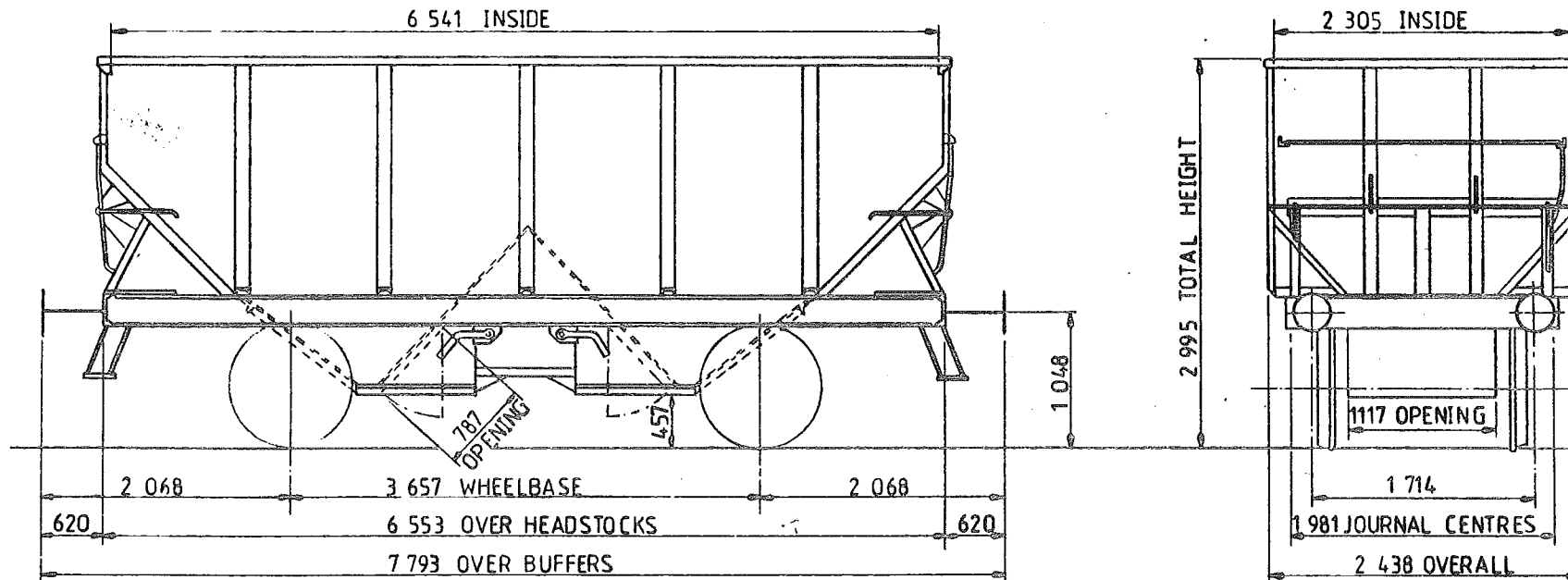
HOPPER COAL WAGON

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 ³
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

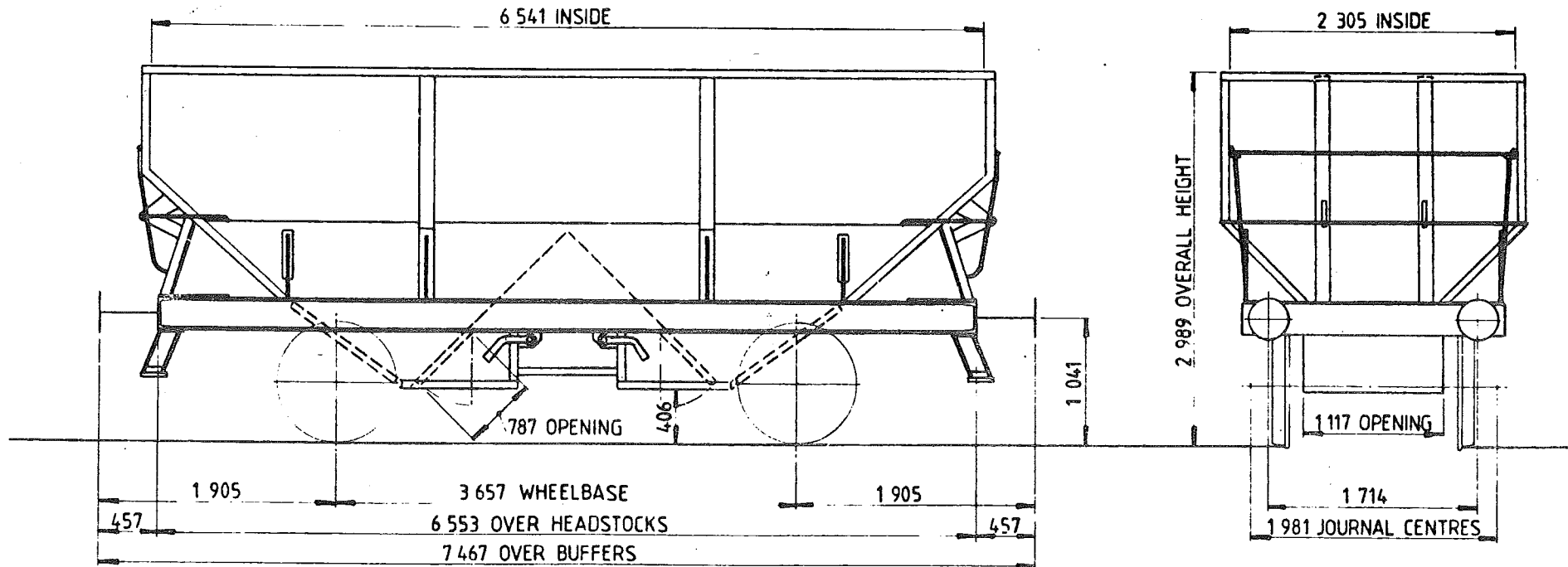
HOPPER COAL WAGON

HT015A

LOT NUMBER
PART 2052
PART 2053
PART 2054

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE										
CARKND			AARKND			OPERATING PANEL No				
H	T	Ø	H	T	Ø	R			1	7



TARE	9 800 kg
CARRYING CAPACITY	21 500 kg
CAPACITY	25 600 m ³
MAX SPEED	50 mile / h
WHEELS	952 DIA
JOURNALS	254 x 127 PLAIN BEARINGS

BUFFERS	SPINDLE 330 DIA HEADS
COUPLINGS	INSTANTER
MIN CURVE	26m
GEN ARRGT DRG No	17197 N & F-S-2246
BRAKE	HAND LEVER
SUSPENSION	SHOE

issue 1

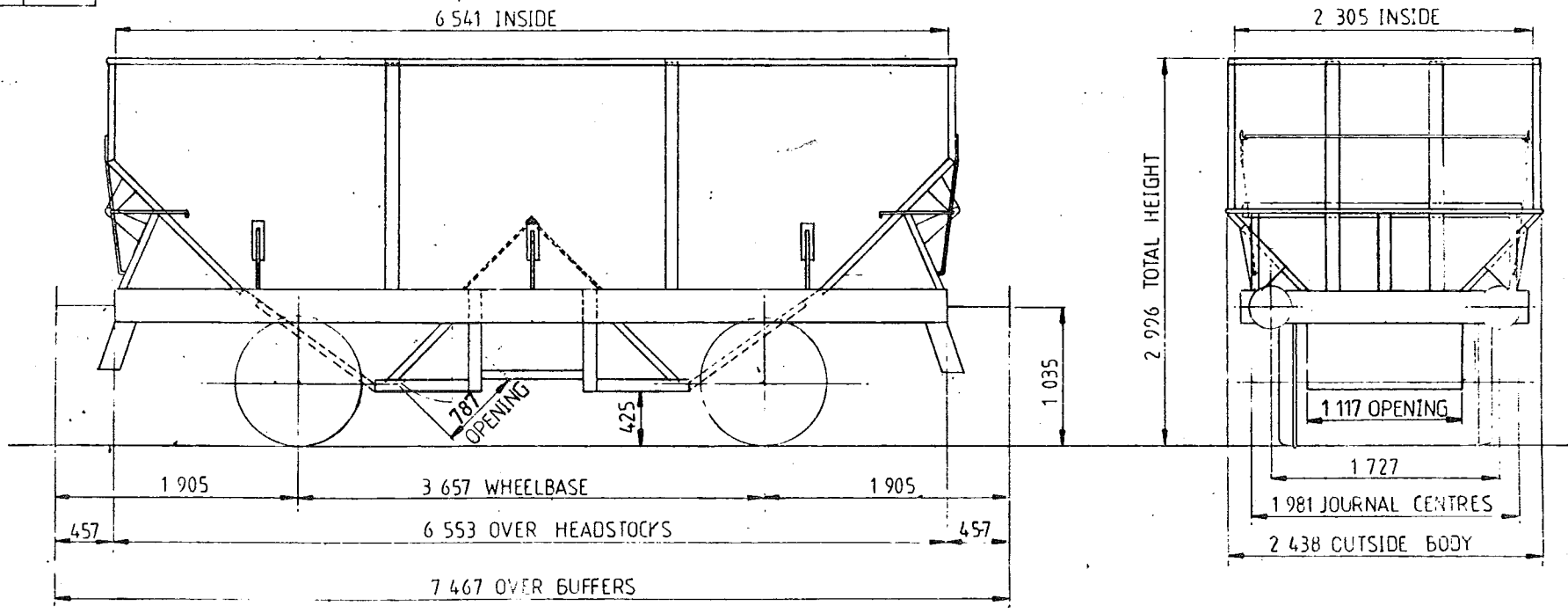
HOPPER COAL WAGON

HT016A

LOT NUMBER	
PART 2163	PART 2164
PART 2165	PART 2166
PART 2167	PART 2168
PART 2212	

EXCESS LENGTH	2	H	M	L	E
tonnes		28	22	15	10
VB					
AB					
RA		3	1	1	1
MAX SPEED		50	50	50	50

TOPS CODE					
CARKND	AARKND	OPERATION PANEL			
H	T	Ø	H	T	Ø R
					1 1 7



TARE	9 500 kg
CARRYING CAPACITY	21 500 kg
CAPACITY	23.902 m ³
MAX SPEED	50 mile/h
WHEELS	939 DIA
JOURNALS	254 x 127 PLAIN BEARINGS

BUFFERS	SPINDLE 330 DIA HEADS
COUPLINGS	INSTANTER
MIN CURVE	26m
GEN ARRGT. DRG No	16417N / F-S-2246
BRAKE	HAND LEVER
SUSPENSION	SHOE

issue 1

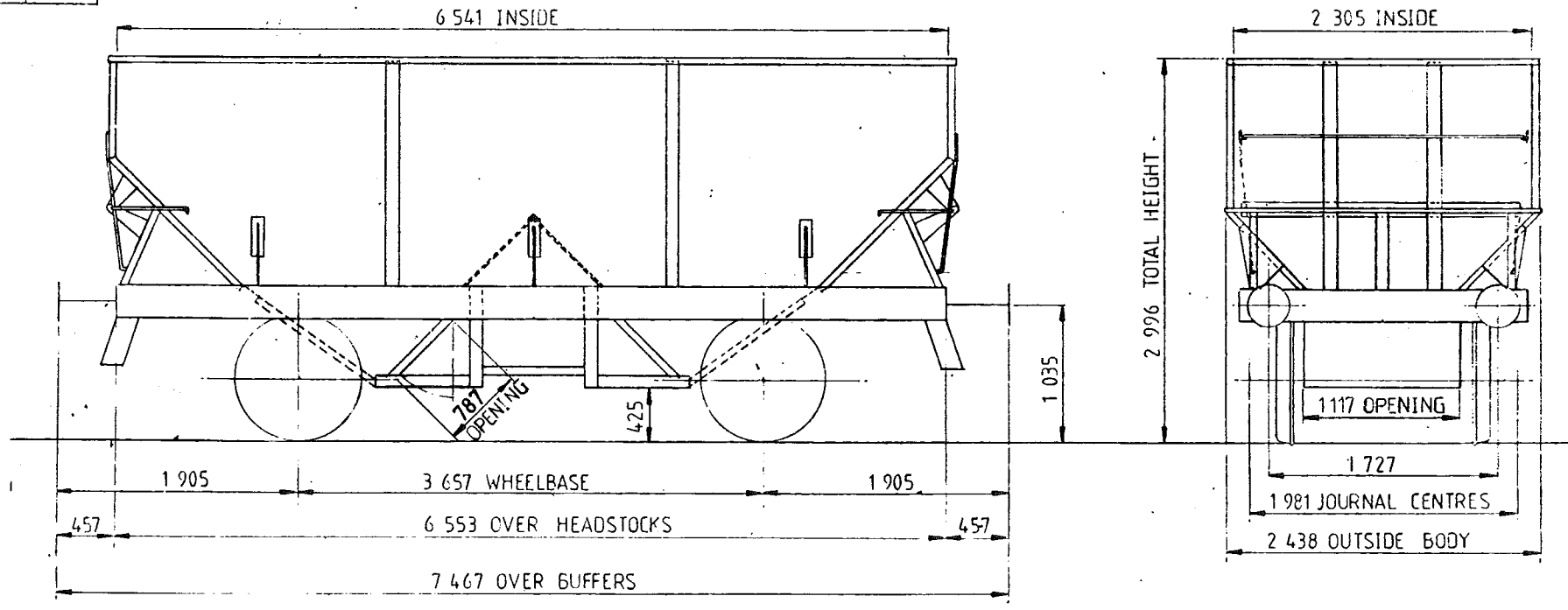
HOPPER COAL WAGON

HT016B

PART LOT NUMBER	
2163	2164
2165	2166
2167	2168
2212	

EXCESS LENGTH	2	H	M	L	E
tonnes		28	22	15	10
VB					
AB					
RA		3	1	1	1
MAX. SPEED		50	50	50	50

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No.		
H T Ø	H T Ø	R			1 7



TARE	9 500 kg
CARRYING CAPACITY	21 500 kg
CAPACITY	23.8 m ³
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.	16417 N F-S-2246
BRAKE	HAND LEVER
SUSPENSION	SHOE

issue 1

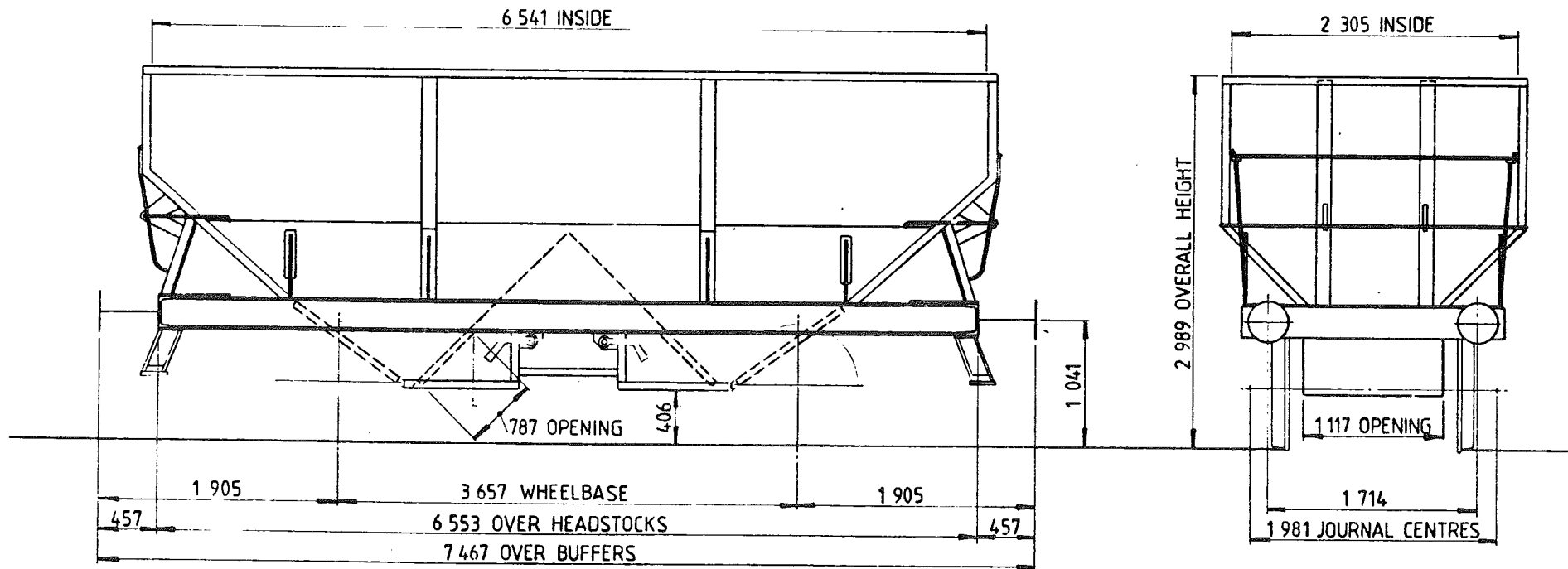
HOPPER COAL WAGON

HT017A

LOT NUMBER
PART 2402
PART 2403
PART 2727
PART 2728

EXCESS LENGTH 2	H	M	L	E
tonnes	28	22	15	10
VB				
AB				
RA	3	1	1	1
MAX. SPEED	50	50	50	50

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No		
H	T	Ø	H	T	Ø
			R		
					17



TARE -	10 000 kg
CARRYING CAPACITY -	21 500 kg
CAPACITY -	23.899 m ³
MAX. SPEED -	50 mile / h
WHEELS -	952 DIA
JOURNALS -	254 x 127 DIA PLAIN BEARINGS

BUFFERS -	SPINDLE 330 DIA HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	26m
GEN. ARRGT. DRG. No. -	18868N & F-S-2246
BRAKE -	HAND LEVER
SUSPENSION -	SHOE

issue 1

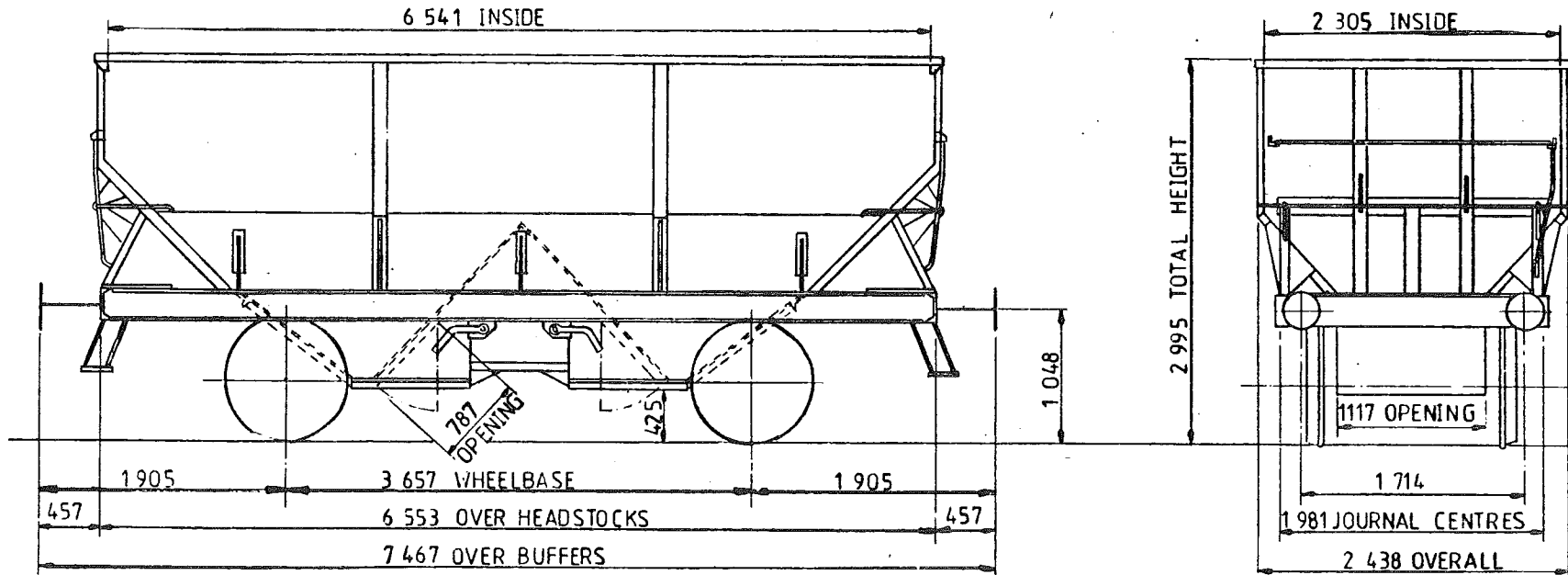
HOPPER COAL WAGON

HT018A

PART LOT NUMBER	
2330	2400
2401	2552
2713	2726
2731	2932
2733	2934
2935	2954
3013	3045

EXCESS LENGTH	2	H	M	L	E
tonnes		28	22	15	10
VB					
AB					
RA		3	1	1	1
MAX. SPEED		50	50	50	50

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No.		
HT	Ø	HT	Ø	R	
					17



TARE	9450 kg
CARRYING CAPACITY	21 500 kg
CAPACITY	23.928 m ³
MAX. SPEED	50 mile/h
WHEELS	952 DIA
JOURNALS	254 x 127 PLAIN BEARINGS

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

issue 1

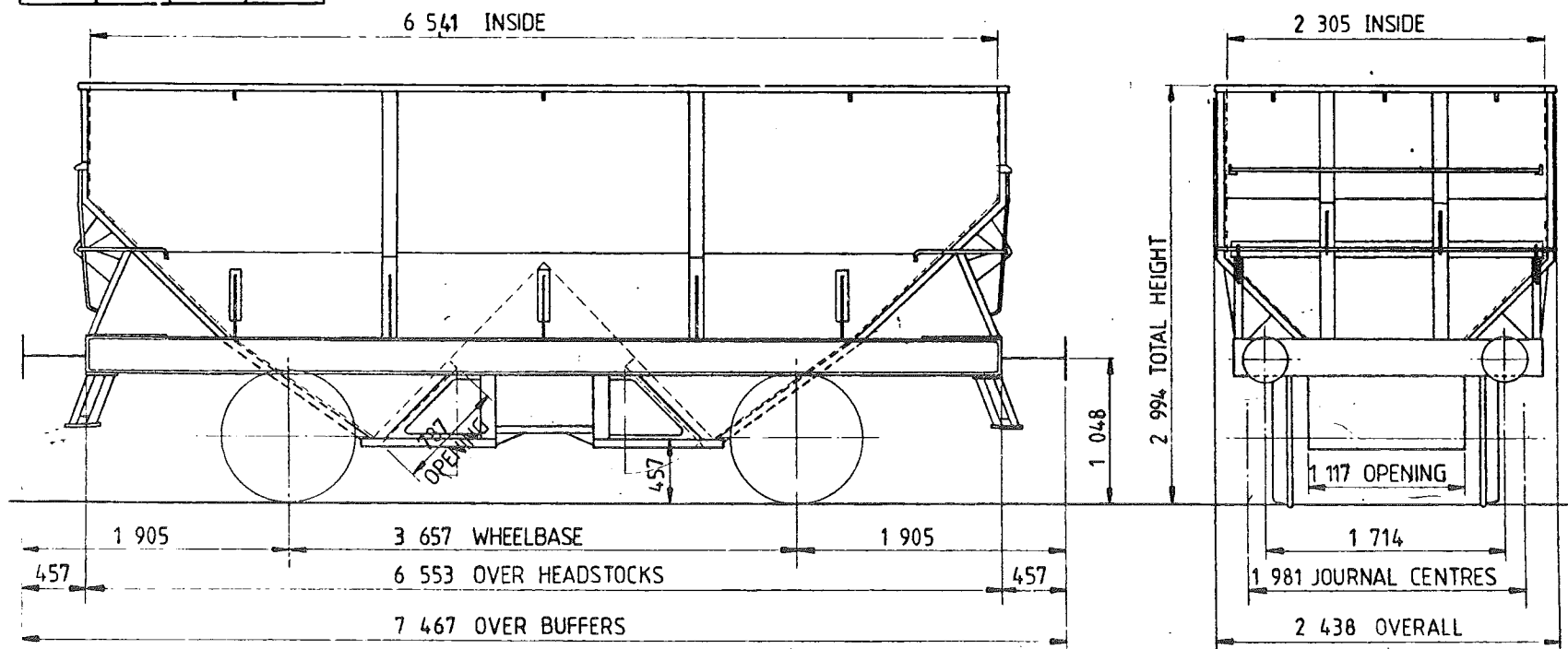
HOPPER COAL WAGON

HT018B

PART LOT NUMBER			
2330	2401	2552	2713
2726	2731	2933	2934
2935	3013	3030	3031
3032	3033		3035
3036	3037	3045	3157
		3160	

EXCESS LENGTH	2	H	M	L	E
tonnes		28	22	15	10
VB					
AB					
RA		3	1	1	1
MAX SPEED		50	50	50	50

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No.		
H T Q	H T Q	R		1	7



TARE - 9 450 kg
CARRYING CAPACITY - 21 500 kg
CAPACITY - 25 600 m ³
MAX. SPEED - 50 mile / h
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

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

issue 1

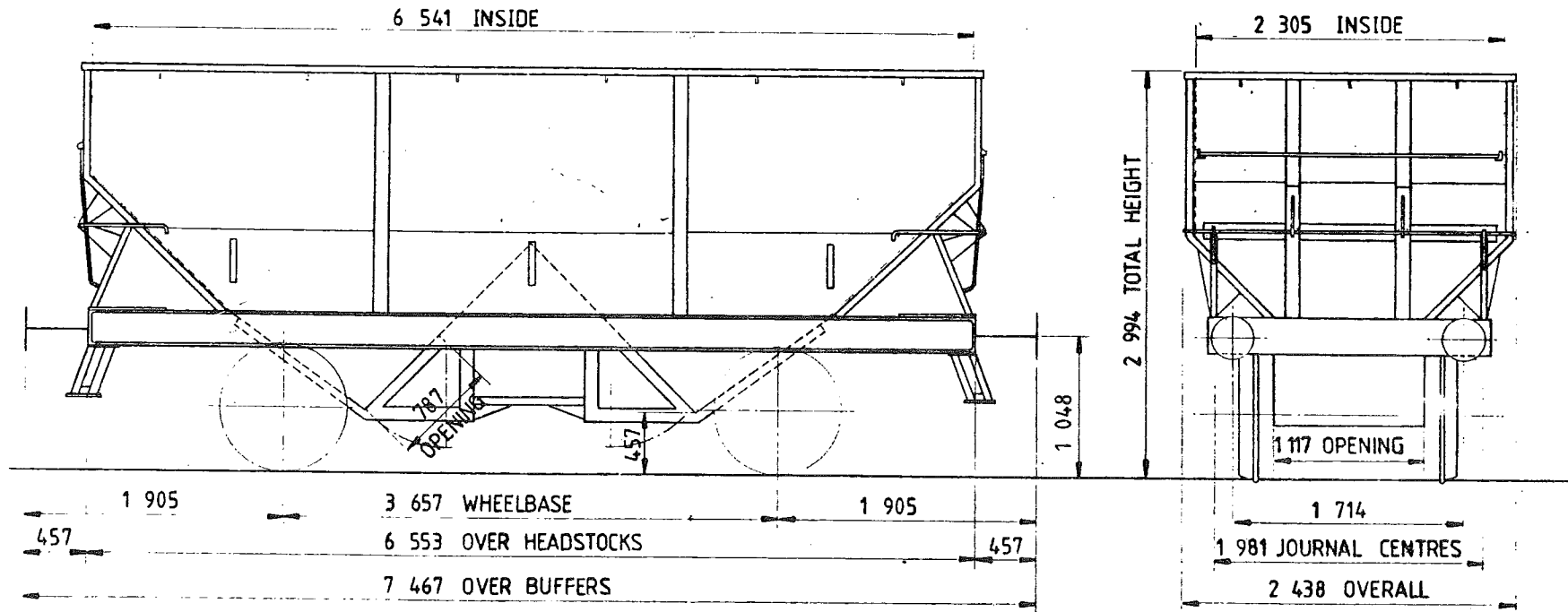
HOPPER COAL WAGON

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
			R		
					5 5



TARE - 9 450 kg
CARRYING CAPACITY - 21 500 kg
CAPACITY - 25 600 m ³
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.

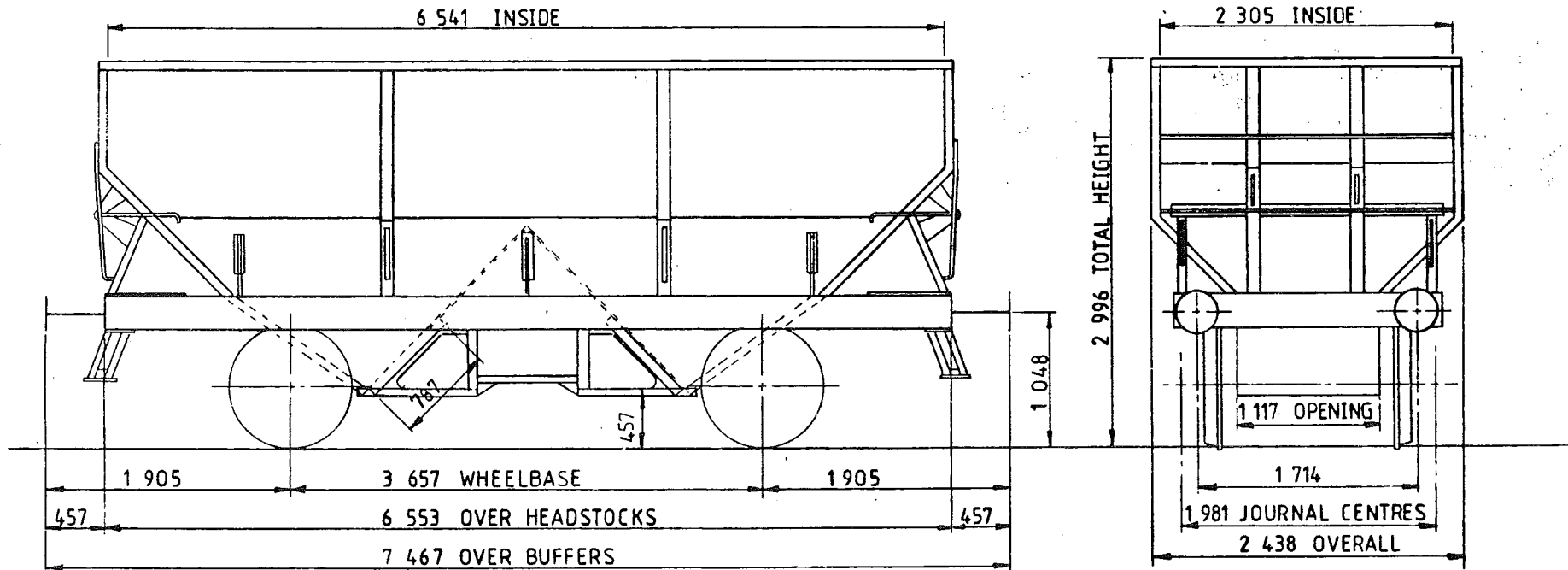
HOPPER COAL WAGON

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	T	V R
					5 5



TARE	9 450 kg
CARRYING CAPACITY	21 500 kg
CAPACITY	25 ⁶⁰⁰ m ³
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

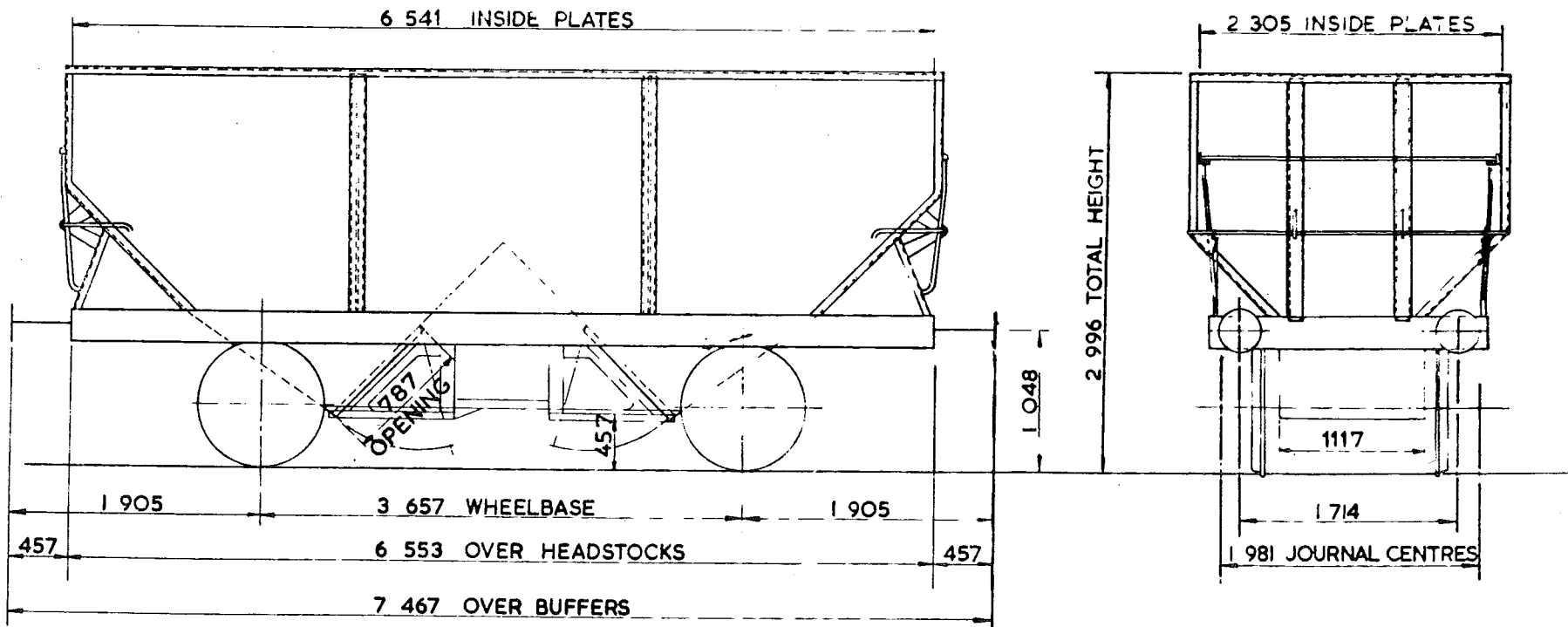
HOPPER COAL WAGON

HT019A

LOT NUMBER
PART 3120

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE		
CARKND	AARKND	OPERATING PANEL
H T Ø	H T Ø	R 17



TARE -	10 000 kg
CARRYING CAPACITY -	21 500 kg
CAPACITY -	23.928 m ³
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
SUSPENSION -	SHOE

ISSUE 1

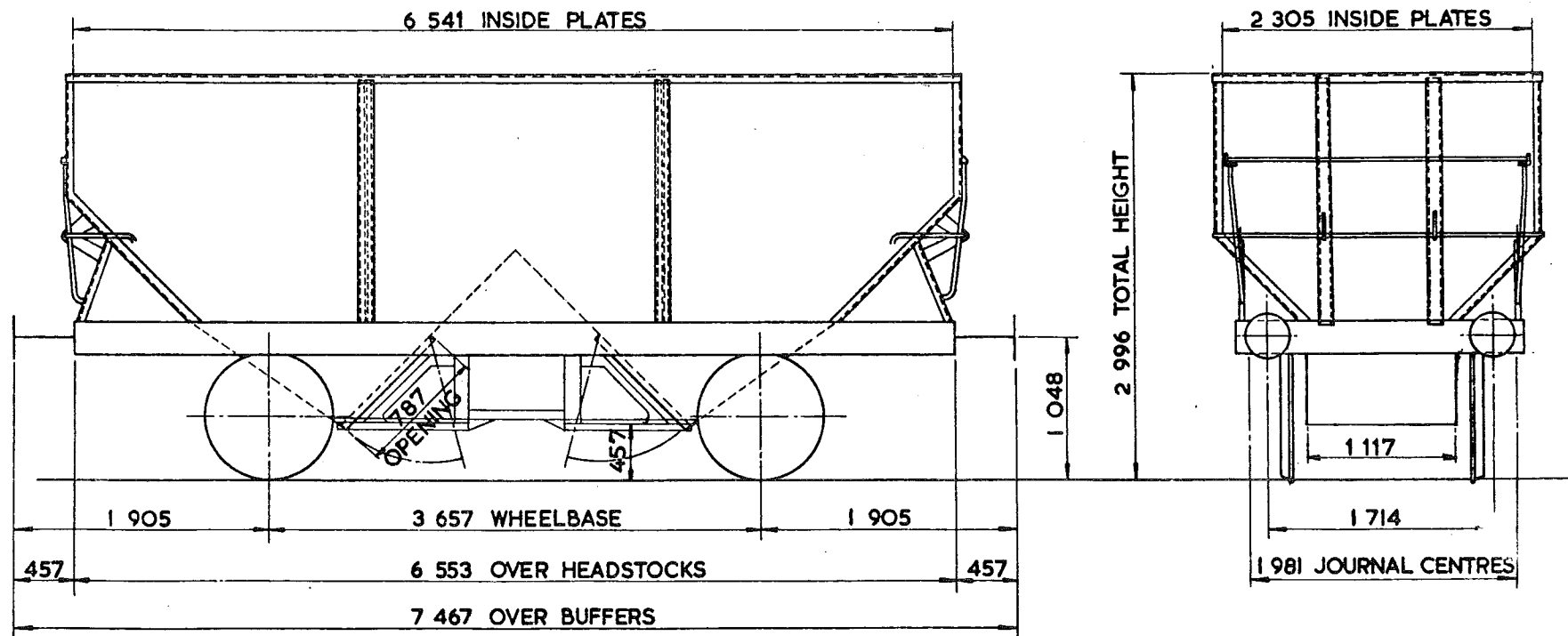
HOPPER COAL WAGON

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-	23.928m ³
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

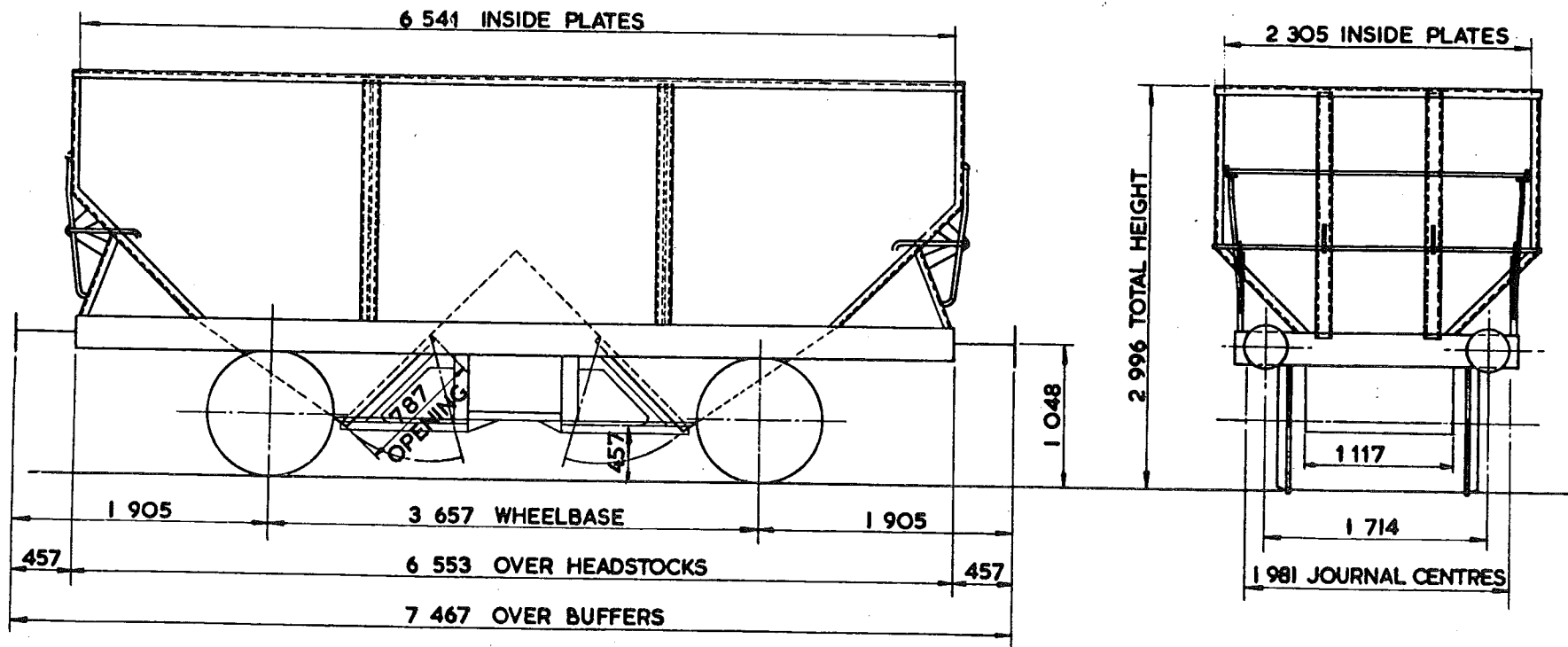
HOPPER COAL WAGON

HT 020A

LOT NUMBER

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
H	T	Ø	H	T	Ø
R					17



TARE -	10 000 kg
CARRYING CAPACITY -	21 500 kg
CAPACITY -	23.928 m ³
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 -	HAND LEVER
SUSPENSION -	SHOE

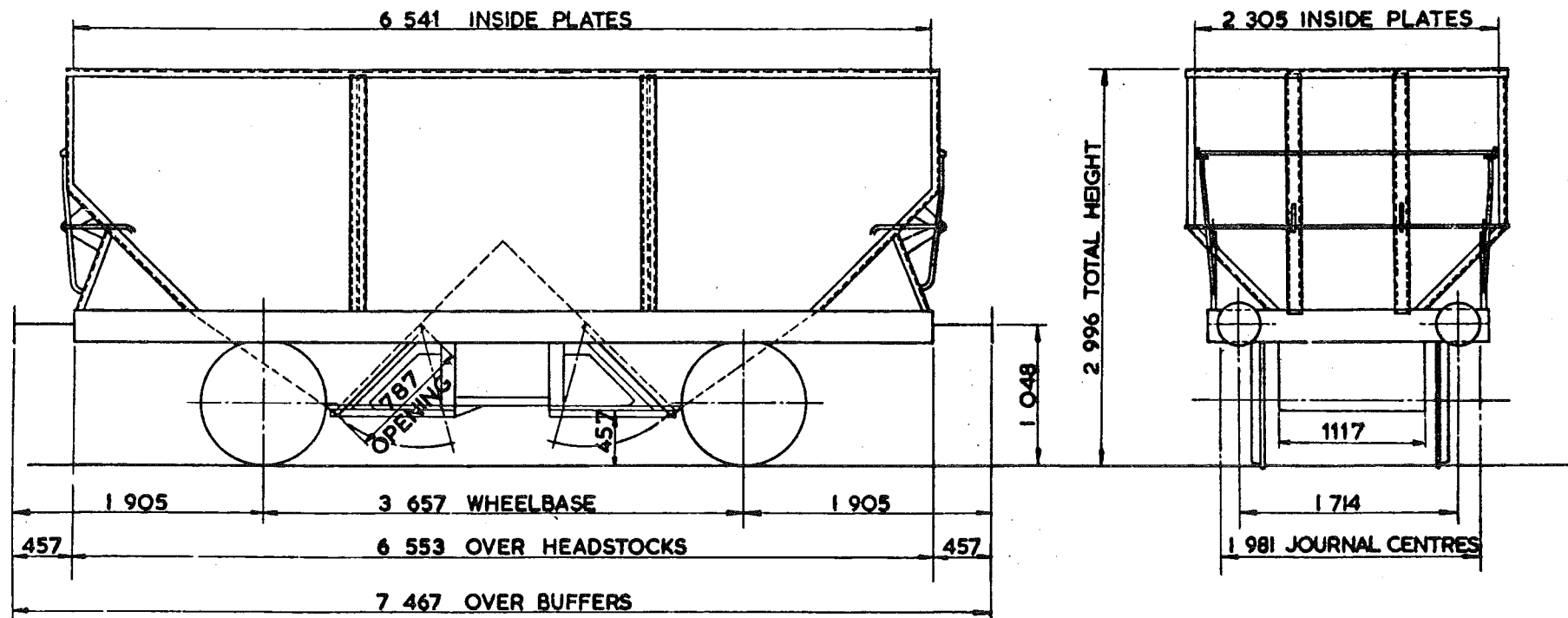
HOPPER COAL WAGON

HT 020 B

LOT NUMBER
PART 2402
PART 2403

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No.
H T 0	H T 0 R	1 7



TARE -	10 000 kg
CARRYING CAPACITY -	21 500 kg
CAPACITY -	23.928 m ³
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
SUSPENSION -	SHOE

ISSUE 1

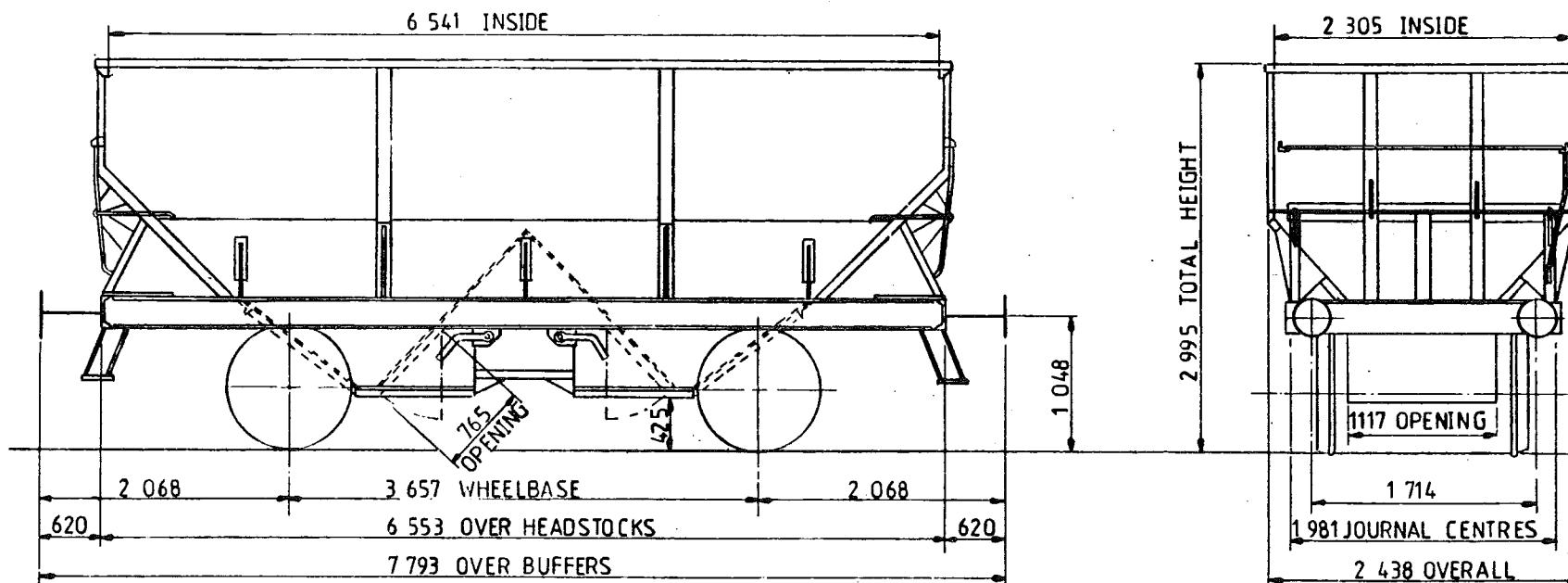
HOPPER COAL WAGON

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.			
H	T	V	H	T	V	R	
							S S



TARE	9 550 kg
CARRYING CAPACITY	21 500 kg
CAPACITY	23.9 m ³
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

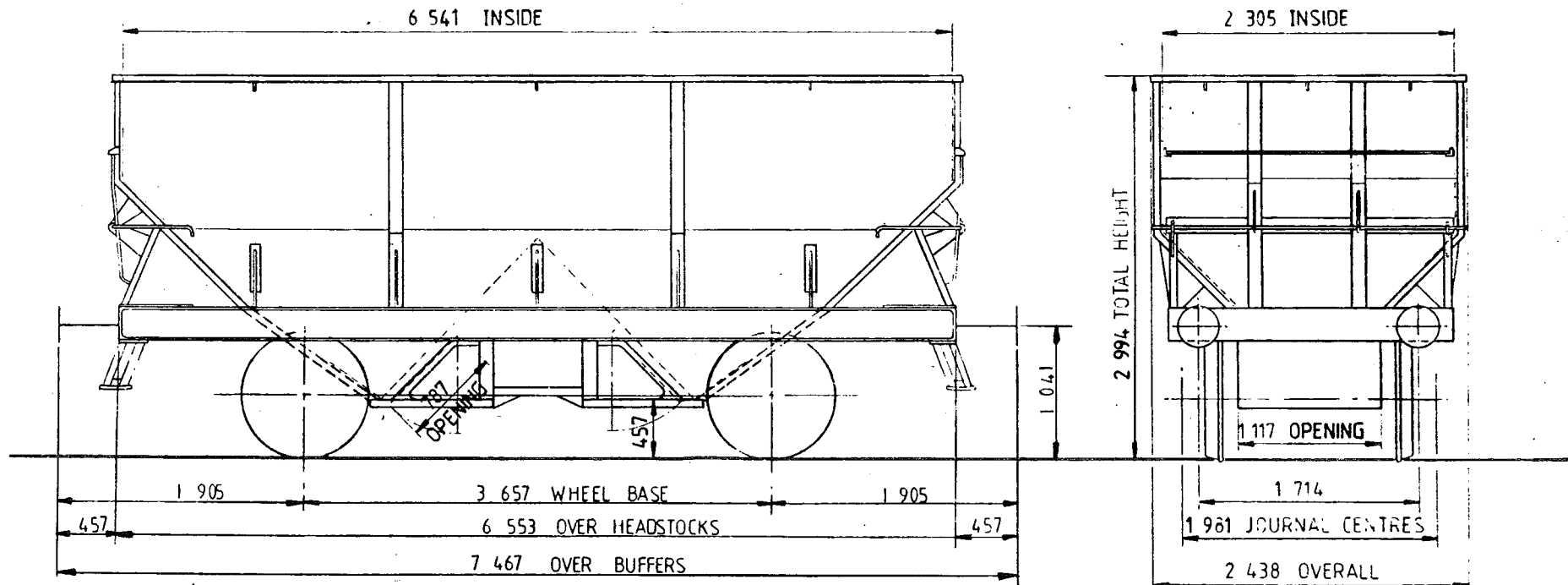
HOPPER COAL WAGON

HT031A

LOT NUMBER
PART 3919

EXCESS LENGTH 2	H	M	L	E
tonnes	28	22	15	10
VB				
AB				
RA	3	1	1	1
MAX. SPEED	50	50	50	50

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
H	T	Q	H	T	Q	R			17



TARE -	9 800 kg
CARRYING CAPACITY -	21 500 kg
CAPACITY -	23 900 m ³
MAX. SPEED -	50 mile / h
WHEELS -	952 DIA
JOURNALS -	124 DIA ROLLER BEARINGS

BUFFERS -	SPINDLE 330 DIA HEAD
COUPLINGS	INSTANTER
MIN. CURVE	26 m
GEN ARRGT DRG. No.	17197 N / F-S-2246
BRAKE	HAND LEVER
SUSPENSION	SHOE

issue 1

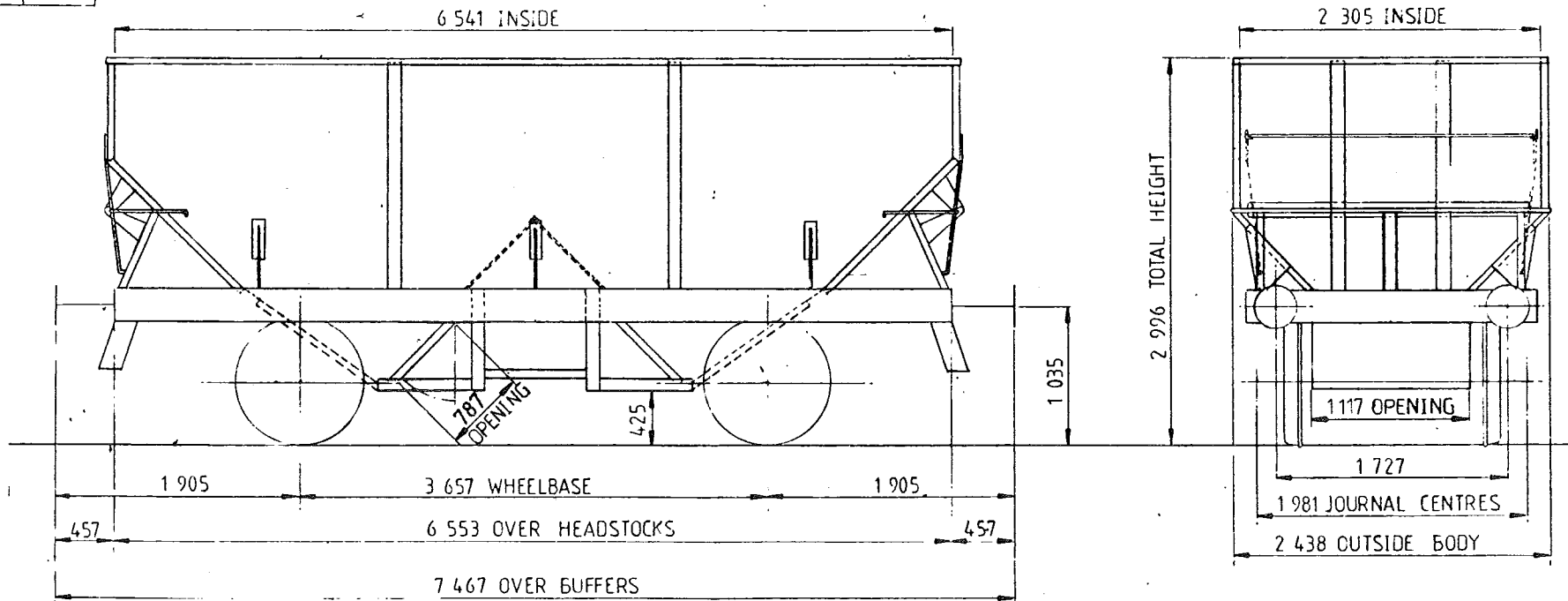
HOPPER COAL WAGON

HT031B

LOT NUMBER	
PART	
3919	

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	REMARKS			
HT	Ø	HT	Ø	R	1 7



TARE	9 500 kg
CARRYING CAPACITY	21 500 kg
CAPACITY	23 900 m ³
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.	16417 N F-S-2246
BRAKE	HAND LEVER
SUSPENSION	SHOE

ISSUE 1.

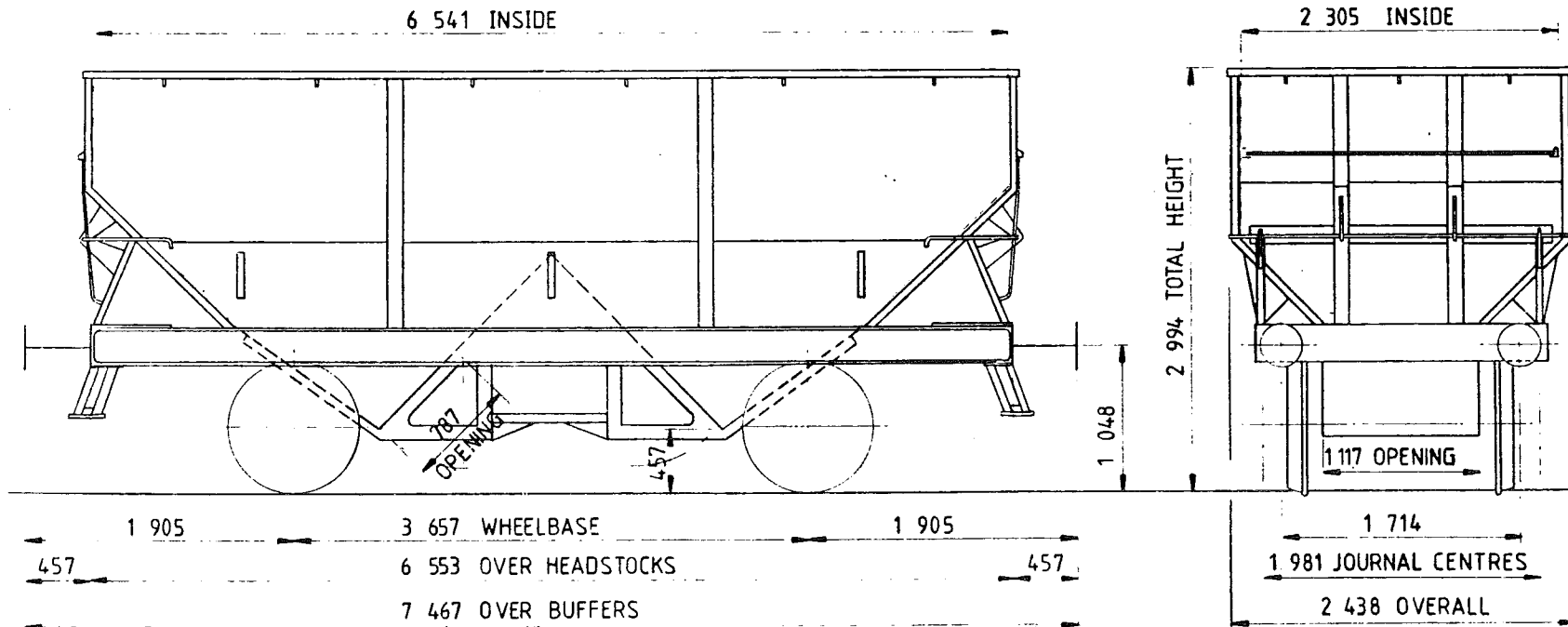
HOPPER COAL WAGON

HT031D

LOT NUMBER
PART 3919

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
H	T	0	H	T	0
R				1	7



TARE	9 450 Kg
CARRYING CAPACITY	21 500 Kg
CAPACITY	23.9 m ³
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
SUSPENSION	SHOE

ISSUE 1.

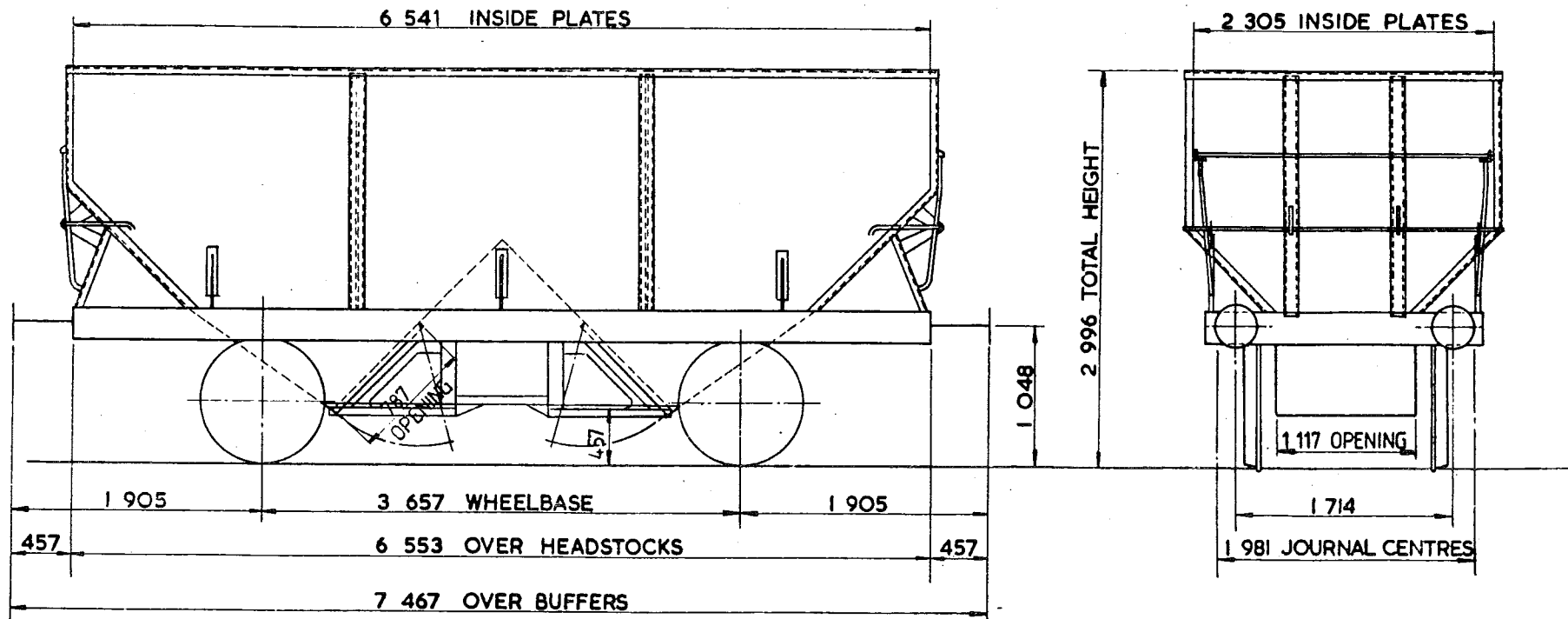
HOPPER COAL WAGON

HT031 F

LOT NUMBER
PART 3919

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
H	T	Ø	H	T	Ø
			R		
					17



TARE -	10 000 kg
CARRYING CAPACITY -	21 500 kg
CAPACITY -	23.928 m ³
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
SUSPENSION -	SHOE

issue 1

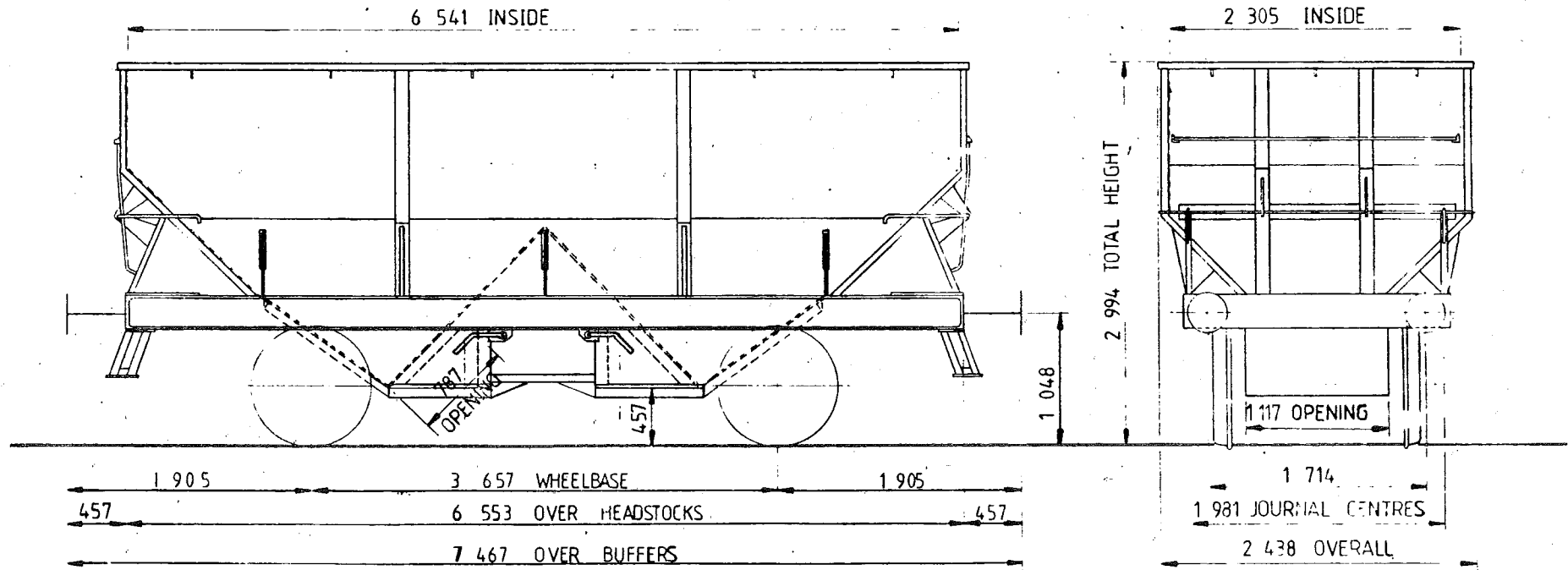
HOPPER COAL WAGON

HTO 31G

LOT NUMBER	
PART	3919

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
H	T	Q	H	T	Q	R			17



TARE	9 800 kg
CARRYING CAPACITY	21 500 kg
CAPACITY	23.9 m ³
MAX. SPEED	50 mile/h
WHEELS	952 DIA
JOURNALS	254 x127 PLAIN BEARINGS

BUFFERS	SPINDLE 330 DIA. HEADS
COUPLINGS	INSTANTER.
MIN CURVE	26m
GEN ARRGT. DRG No.	17197N / F-S-2246
BRAKE	HAND LEVER
SUSPENSION	SHOE

issue 1

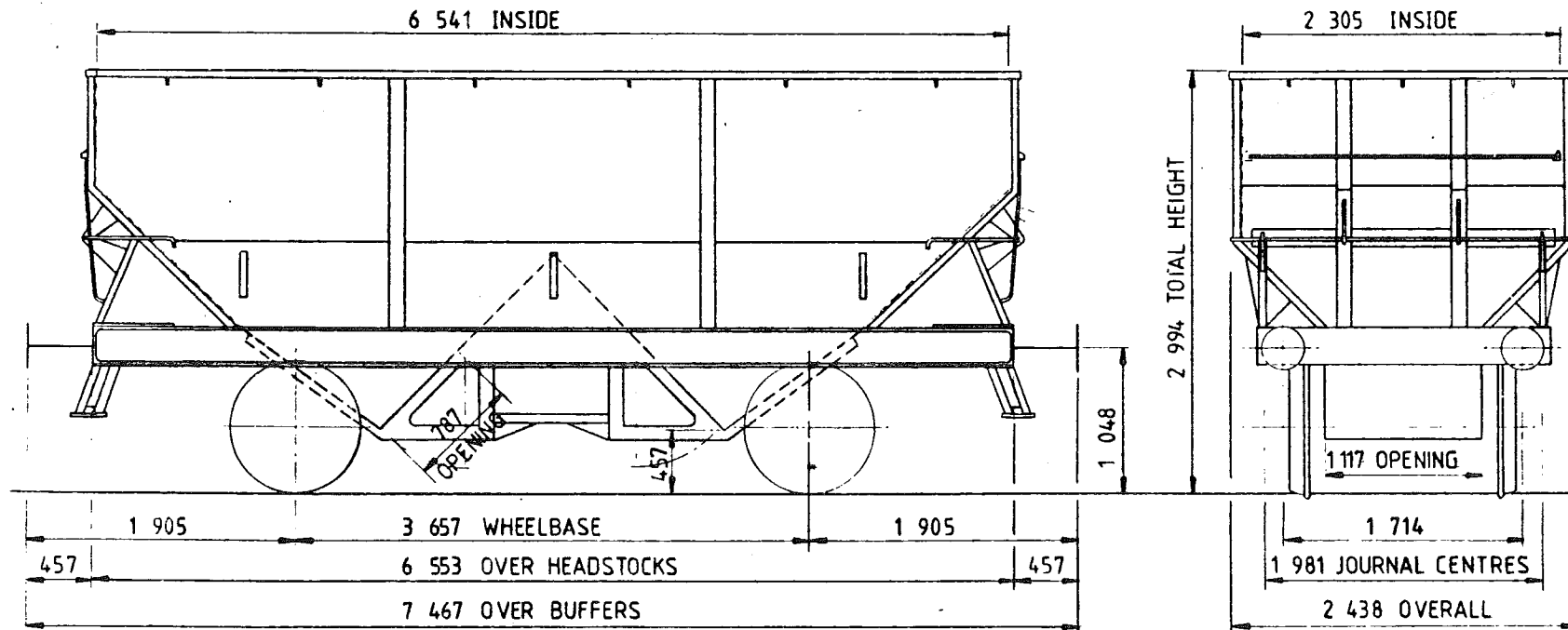
HOPPER COAL WAGON

HT031H

LOT NUMBER
PART 3919

EXCESS LENGTH 2	H	M	L	E
tonnes	28	22	15	10
VB				
AB				
RA	3	1	1	1
MAX SPEED	50	50	50	50

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No		
H	T	0	H	T	0
					R
					1
					7



TARE - 9 450 Kg
CARRYING CAPACITY - 21 500 Kg
CAPACITY - 23.9 m ³
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 - HAND LEVER
SUSPENSION - SHOE

ISSUE 1.

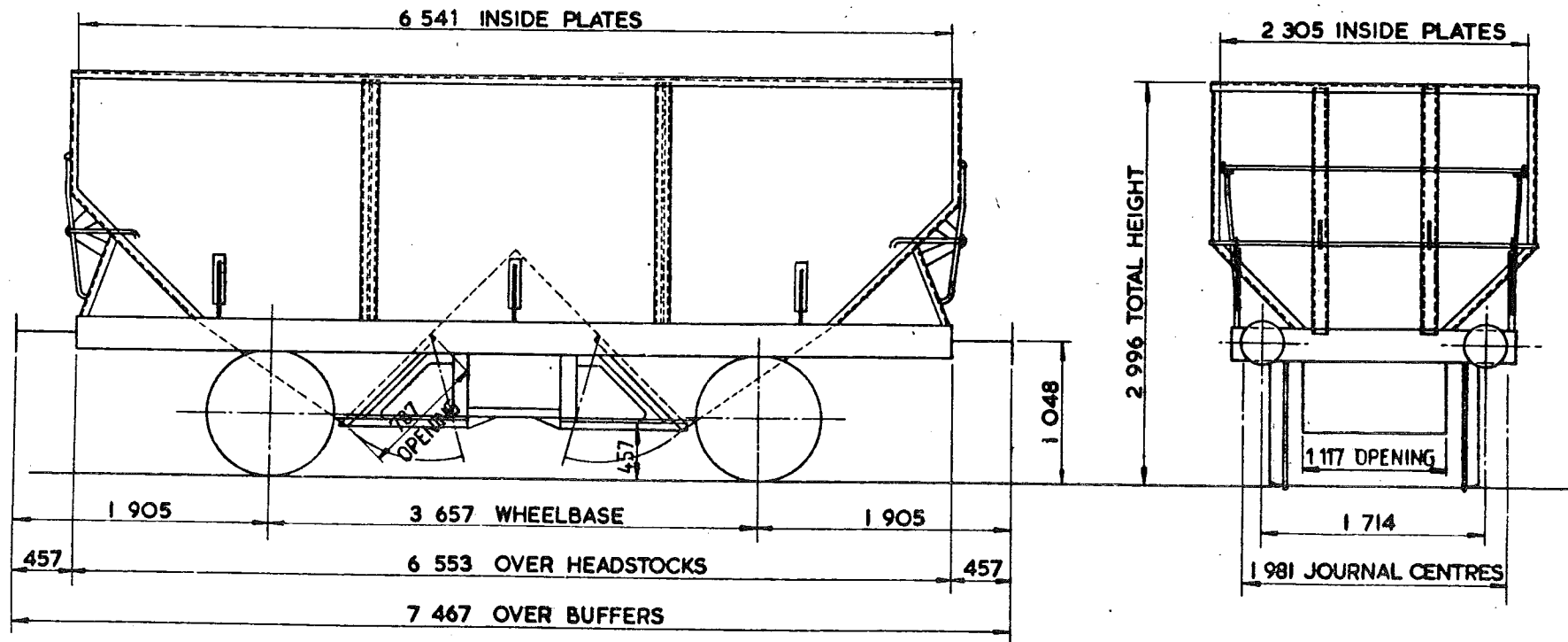
HOPPER COAL WAGON

HT031L

LOT NUMBER
PART 3919

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
H	T	Ø	H	T	Ø
R					17



TARE -	10 000 kg
CARRYING CAPACITY -	21 500 kg
CAPACITY -	23.928 m ³
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 -	HAND LEVER
SUSPENSION -	SHOE

issue 1

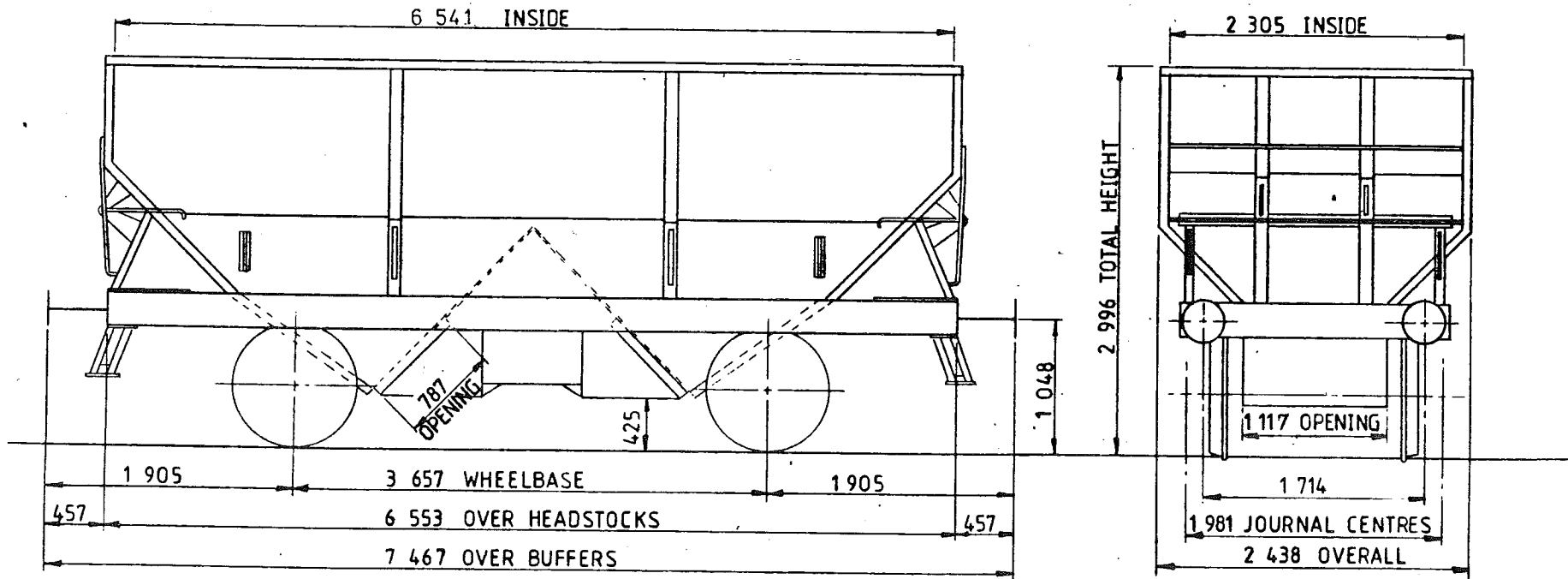
HOPPER COAL WAGON

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	R		5	5



TARE	9 450 kg
CARRYING CAPACITY-	21 500 kg
CAPACITY-	25 900 m ³
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

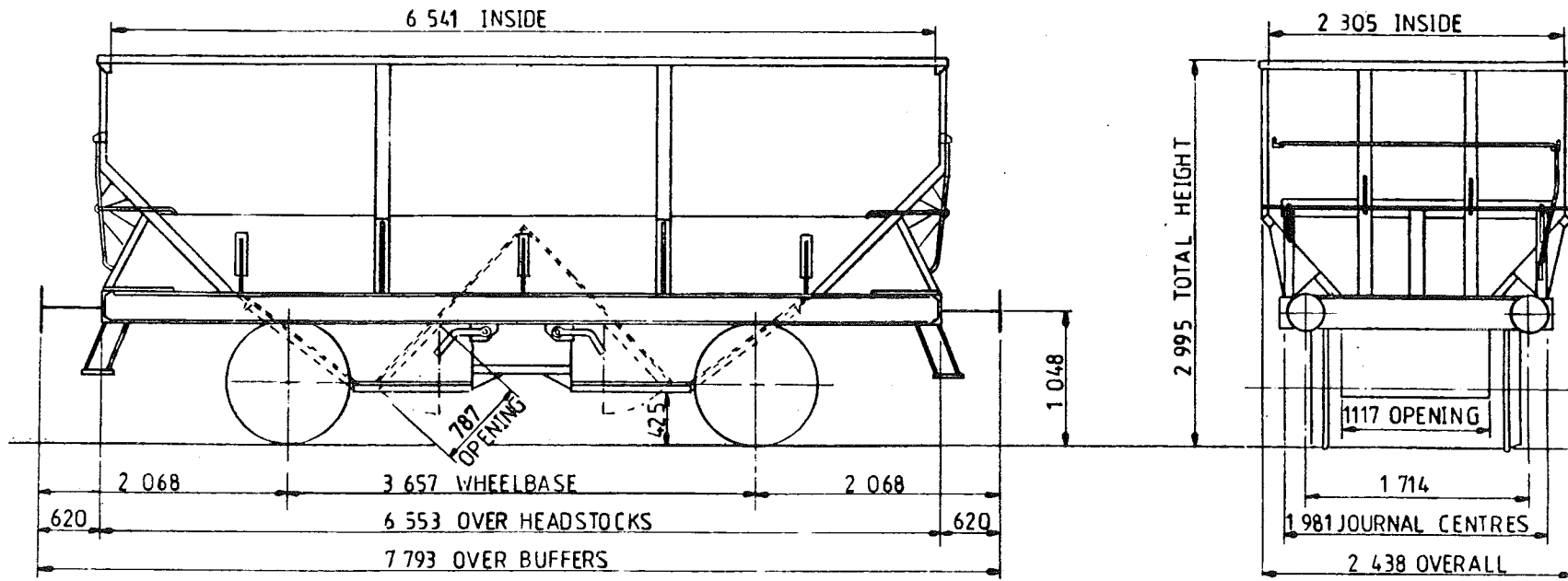
HOPPER COAL WAGON

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	
H	T	V	H	T	V
				5	5



TARE	9550 kg
CARRYING CAPACITY	21 500 kg
CAPACITY	23,900 m ³
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

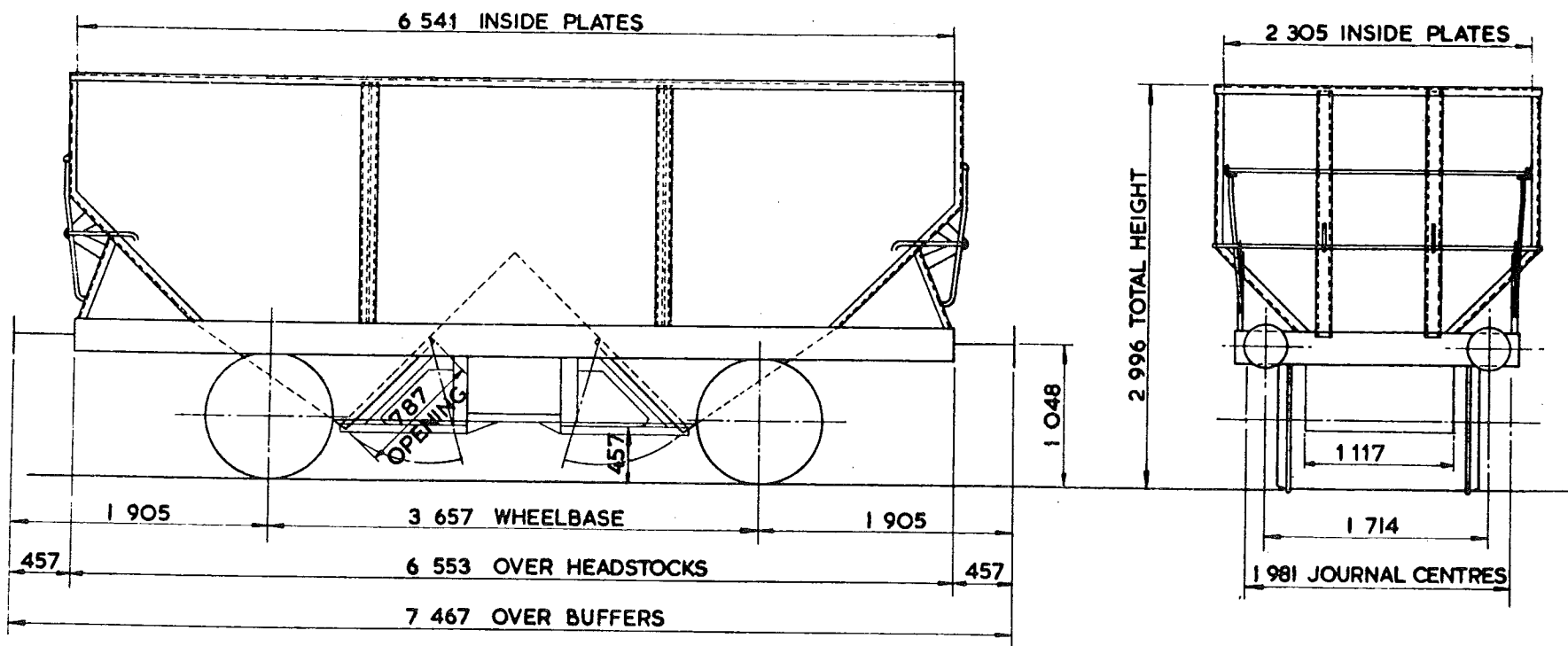
HOPPER COAL WAGON

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 ³
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

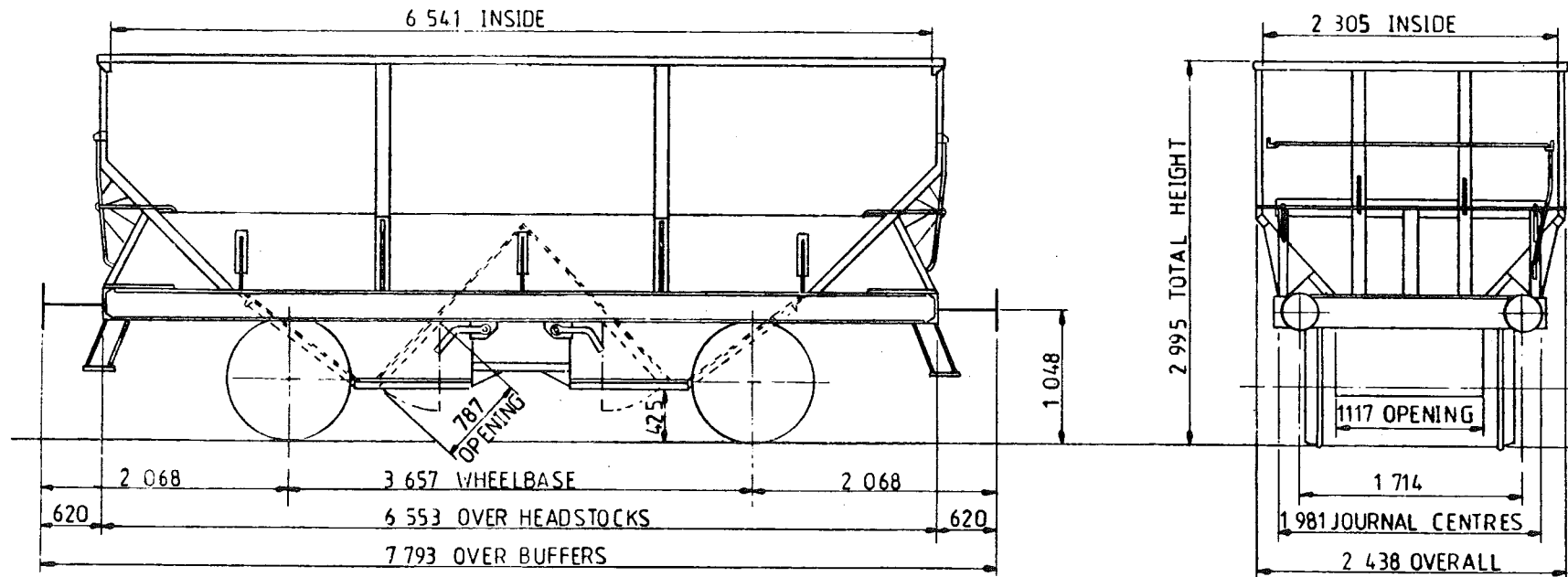
HOPPER COAL WAGON

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			
H	T	V	H	T	V	S	3	2	5



TARE	9550 kg
CARRYING CAPACITY	25,000 kg
CAPACITY	23,900 m ³
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 F-S-2246
BRAKE	VACUUM BLOCK & HAND LEVER
SUSPENSION	SHOE

issue 1

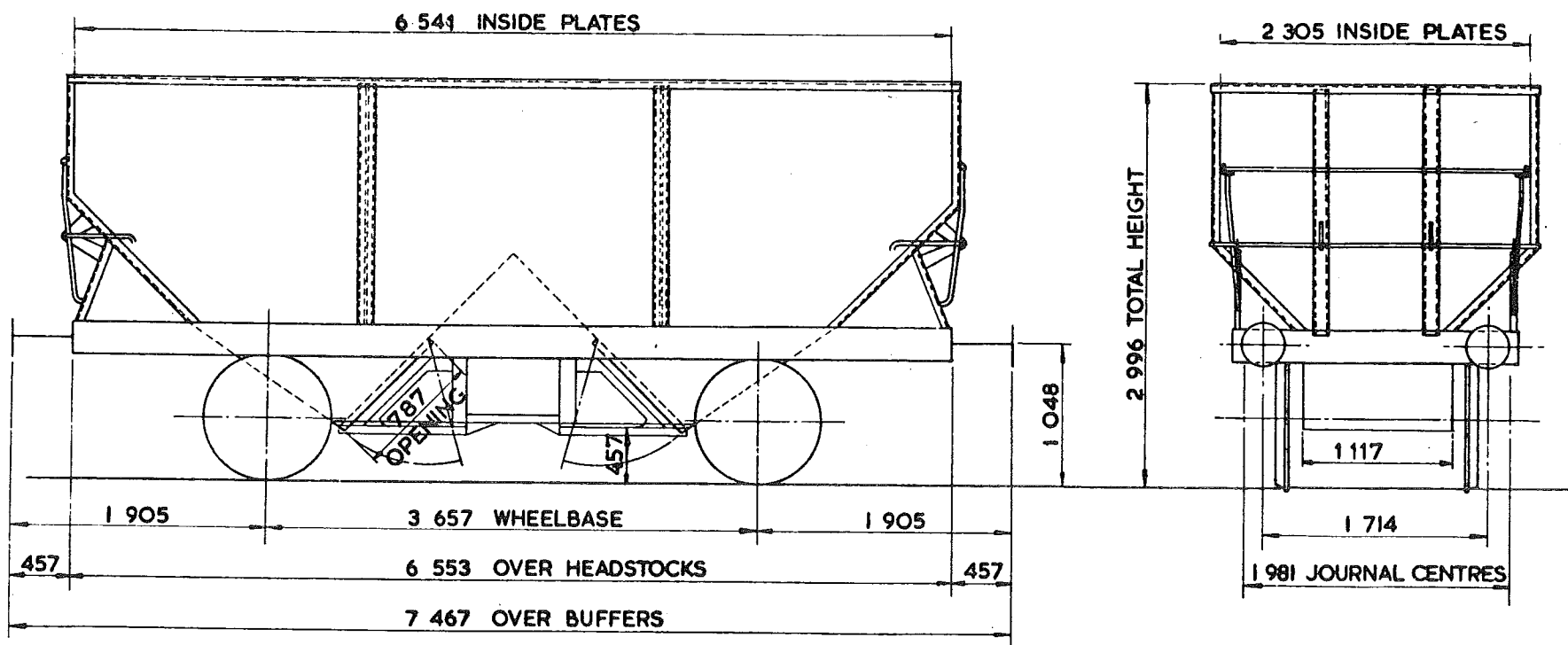
HOPPER COAL WAGON

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 ³
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

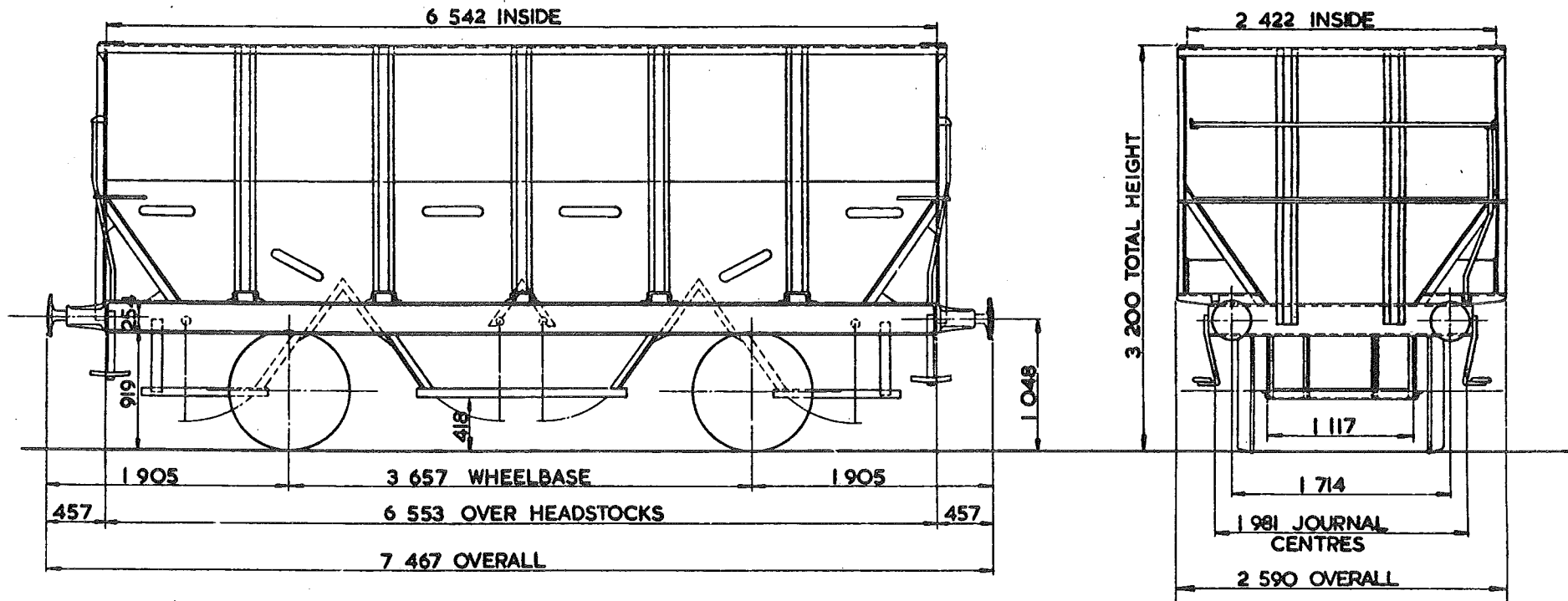
HOPPER COAL WAGON

HUOOIA

LOT NUMBER
2504
PART 2609

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

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
HUØ	HUØ	F			14



TARE - 10 250 kg.
CARRYING CAPACITY - 24 900 kg.
CAPACITY - 29.053 m ³
MAX. SPEED - 50 mile/h.
WHEELS - 939 DIA.
JOURNALS - 254 x 127 PLAIN BEARINGS

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

issue 1

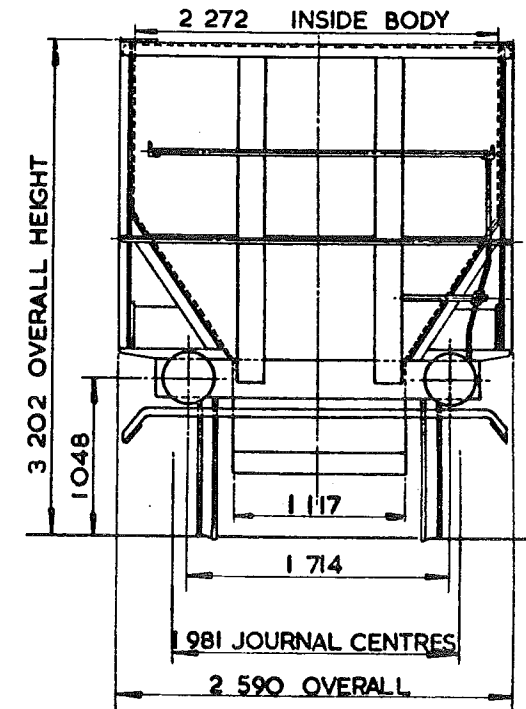
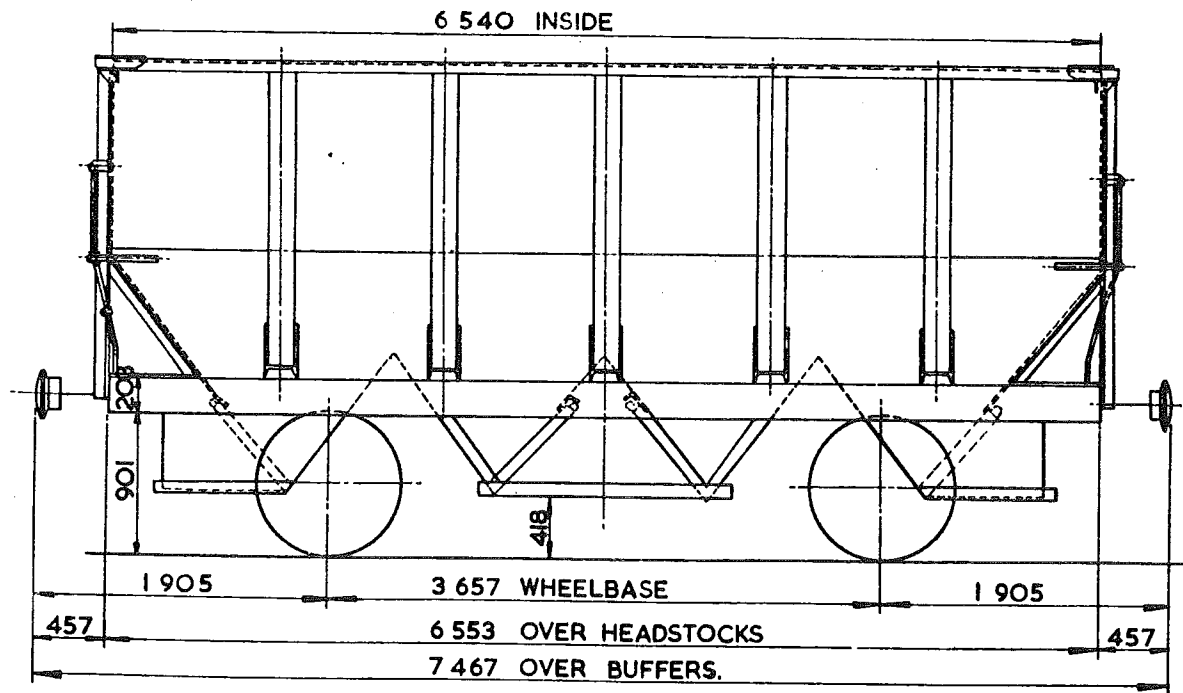
HOPPER COAL WAGON

HU001B

LOT NUMBER
3426
3221

EXCESS LENGTH ²	H	M	L	E
tonnes	32	26	17	11
V-B				
A-B				
RA	4	2	1	1
MAX SPEED	50	50	50	50

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No.
HUØ	HUØF	158



TARE - 10 750 kg
CARRYING CAPACITY- 24500kg
CAPACITY - 29.053 m ³
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - SELF CONTAINED 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26 m
GEN. ARRG. DRG.No. - SW/DN 27556
BRAKE - HAND LEVER.
SUSPENSION - SHOE

Issue 2

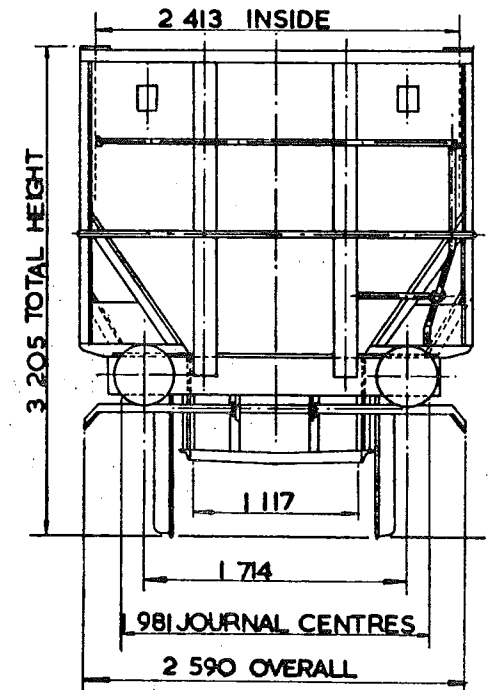
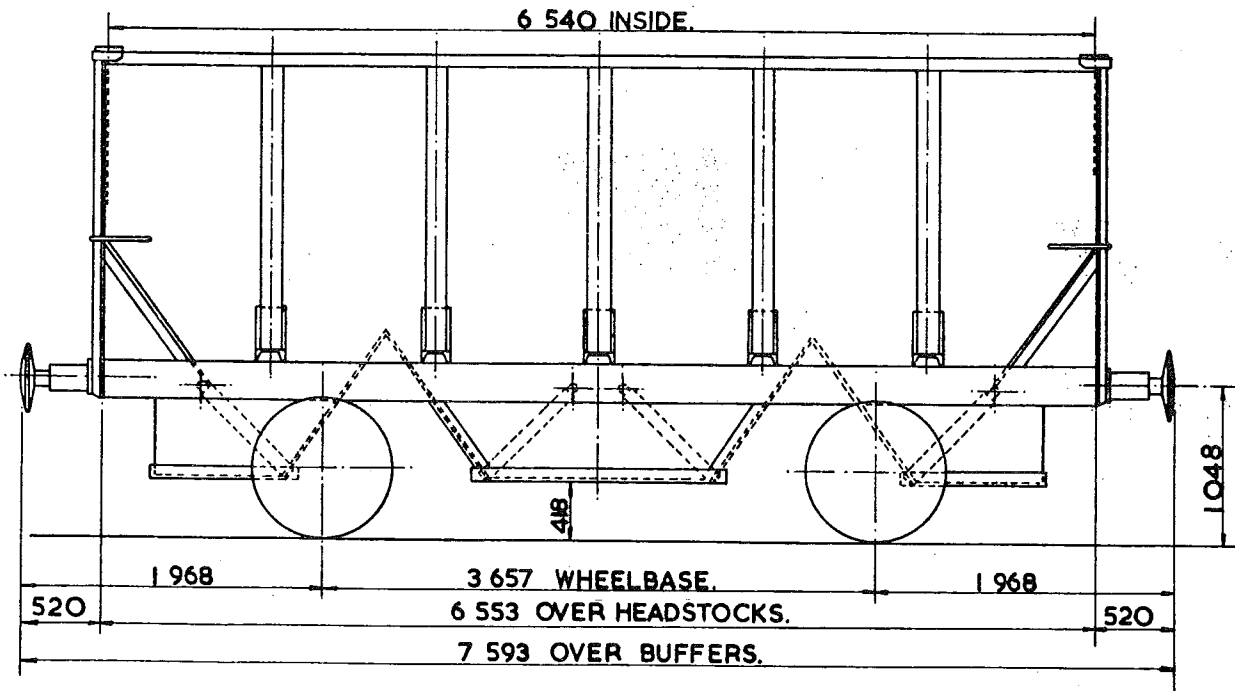
HOPPER COAL WAGON

HUOOIC

LOT NUMBER
PART 3466
3525
3526

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 PART. No.			
H	U	Ø	H	U	Ø F
					1 5 8



TARE - 10700kg TO 10850kg
CARRYING CAPACITY - 25000kg
CAPACITY - 29.053m ³
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/31265.
BRAKE - HAND LEVER.
SUSPENSION - SHOE.

issue 1

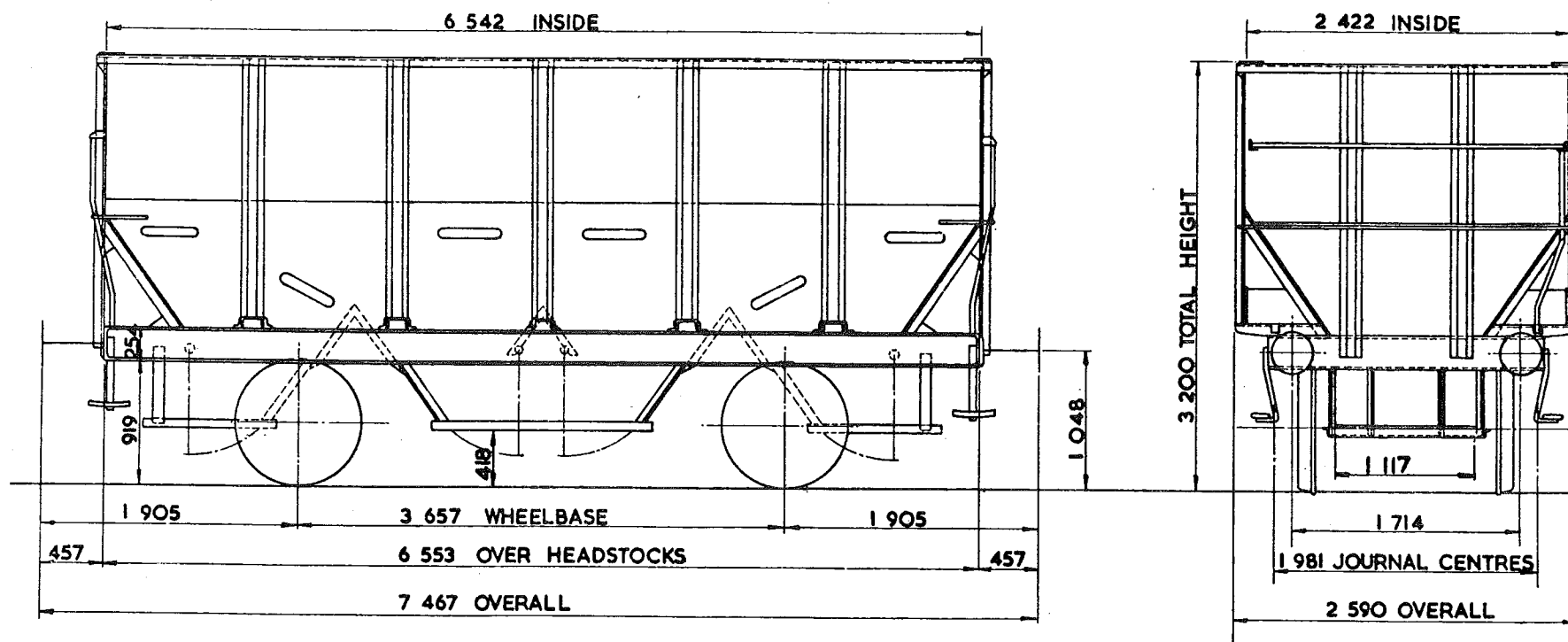
HOPPER COAL WAGON

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 ³
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

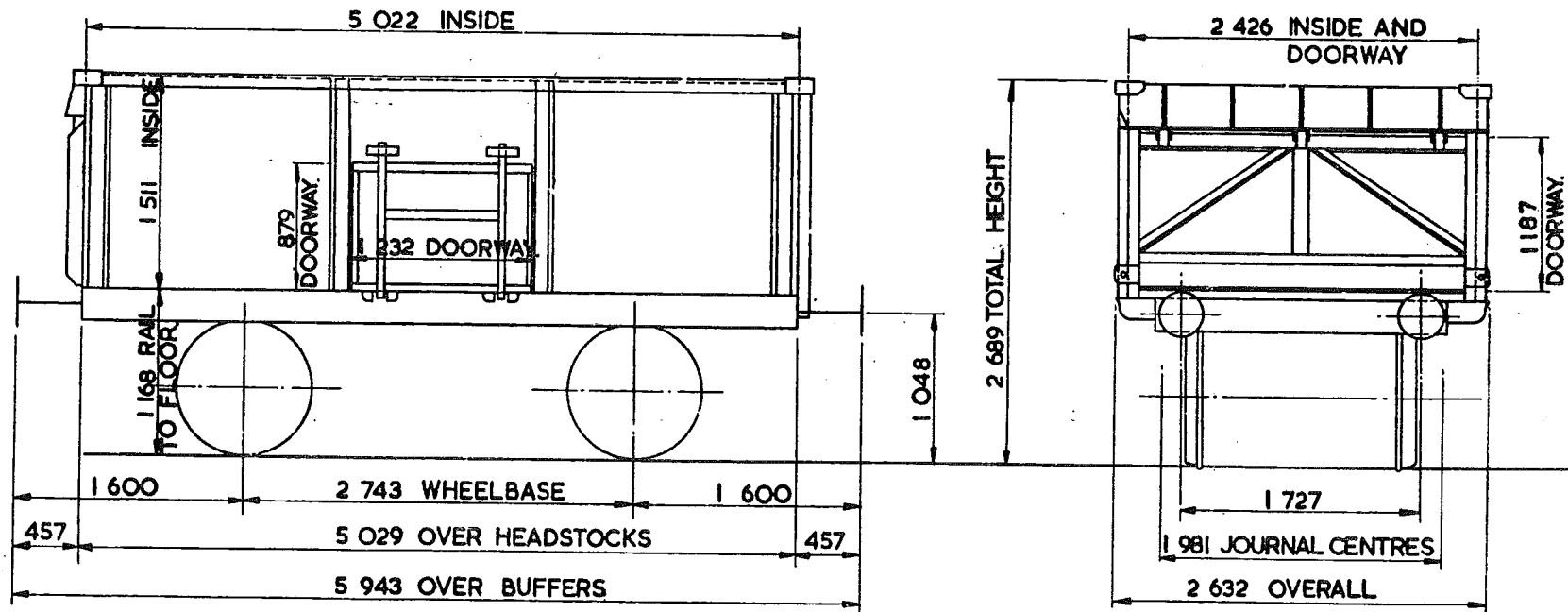
MINERAL WAGON

MCOOIB

PART LOT NUMBER
2385
2917
3144
3178

EXCESS LENGTH	H	M	L	E
tonnes	23	17	13	9
VB	9	9	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	C	3	6	4



TARE -	7800kg.
CARRYING CAPACITY -	16500kg.
CAPACITY -	18.348m ³ .
MAX. SPEED -	35 mile/h
WHEELS -	952 DIA.
JOURNALS -	228x114 PLAIN BEARINGS

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

ISSUE 2;

EX. B.R. DIAGRAM 1/99

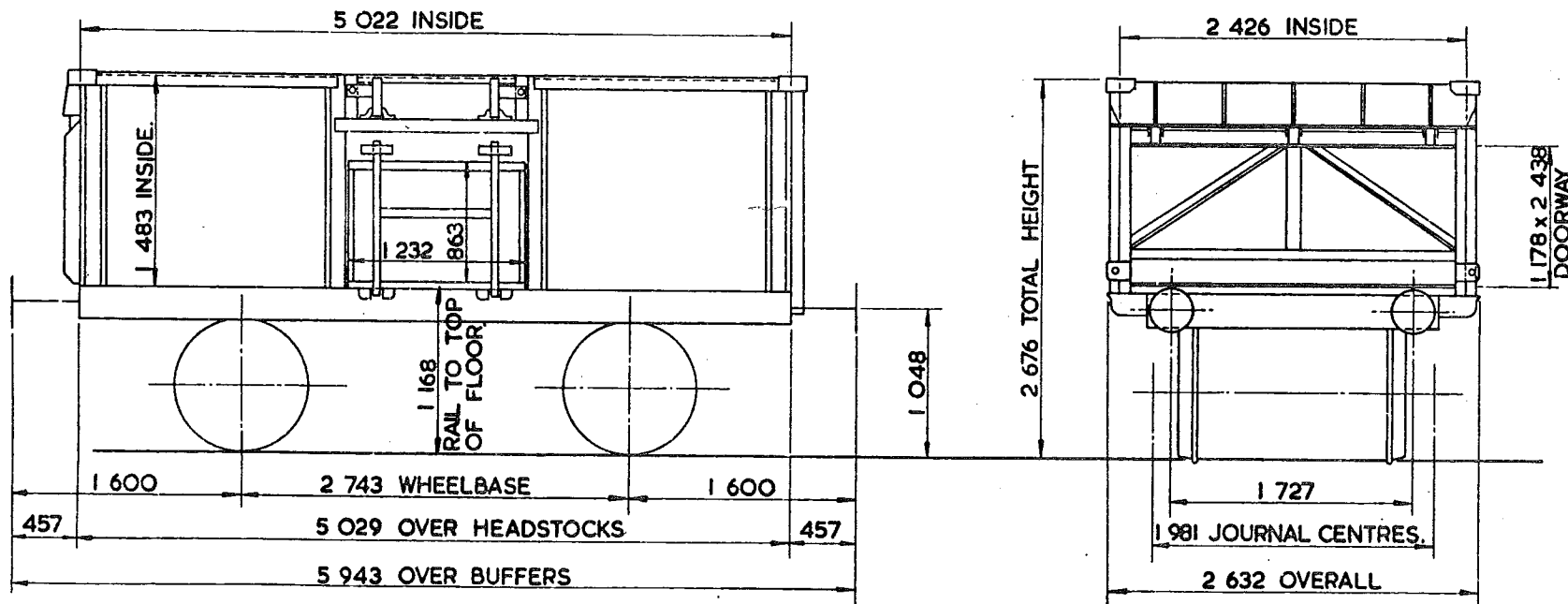
MINERAL WAGON

MCO01C

LOT NUMBERS		
2634	2917	2922
2637	2918	
2797	2919	
2802	2920	
2907	2921	

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	C	V	M	C	V	C		3	6	3



TARE --	7 800 kg
CARRYING CAPACITY --	16 500 kg
CAPACITY --	18.349 m ³
MAX. SPEED --	35 mile/h.
WHEELS --	952 DIA.
JOURNALS --	228x114 PLAIN BEARINGS

BUFFERS --	SPINDLE 3 1/2 DIA. HEADS
COUPLINGS --	INSTANTER
MIN. CURVE --	21 m.
GEN. ARRGT. DRG. No. --	SW/DE/2890
BRAKE --	VACUUM BLOCK & HAND LEVER
SUSPENSION --	SHOE

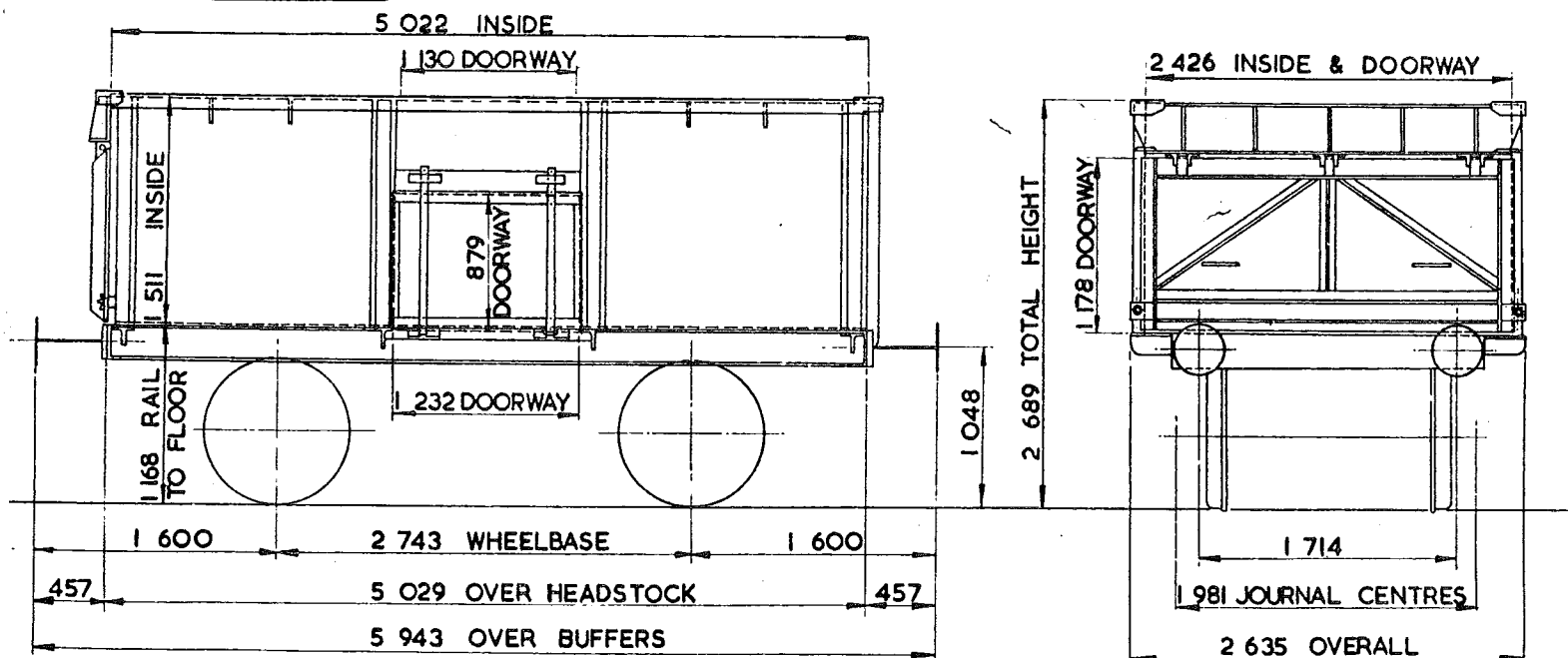
MINERAL WAGON

MCOO1D

LOT NUMBERS		
2385	2907	3054
2635	2912	3062
2637	2915	3063
2788	2917	3143
2806	2918	3144
2810	2923	3178

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	C	3	6
							2	



TARE -	7050 kg
CARRYING CAPACITY -	16500 kg
CAPACITY -	18.371 m ³
MAX. SPEED -	35 mile/h
WHEELS -	952 DIA.
JOURNALS -	228 x 114 PLAIN BEARINGS

BUFFERS -	SPINDLE 330 DIA. HEADS
COUPLINGS -	INSTANT :R
MIN. CURVE -	21 m.
GEN. ARRG. DRG. No. -	SW/DE/2890, F-S-2556
BRAKE -	HAND LEVER
SUSPENSION -	SHOE

ISSUE 3

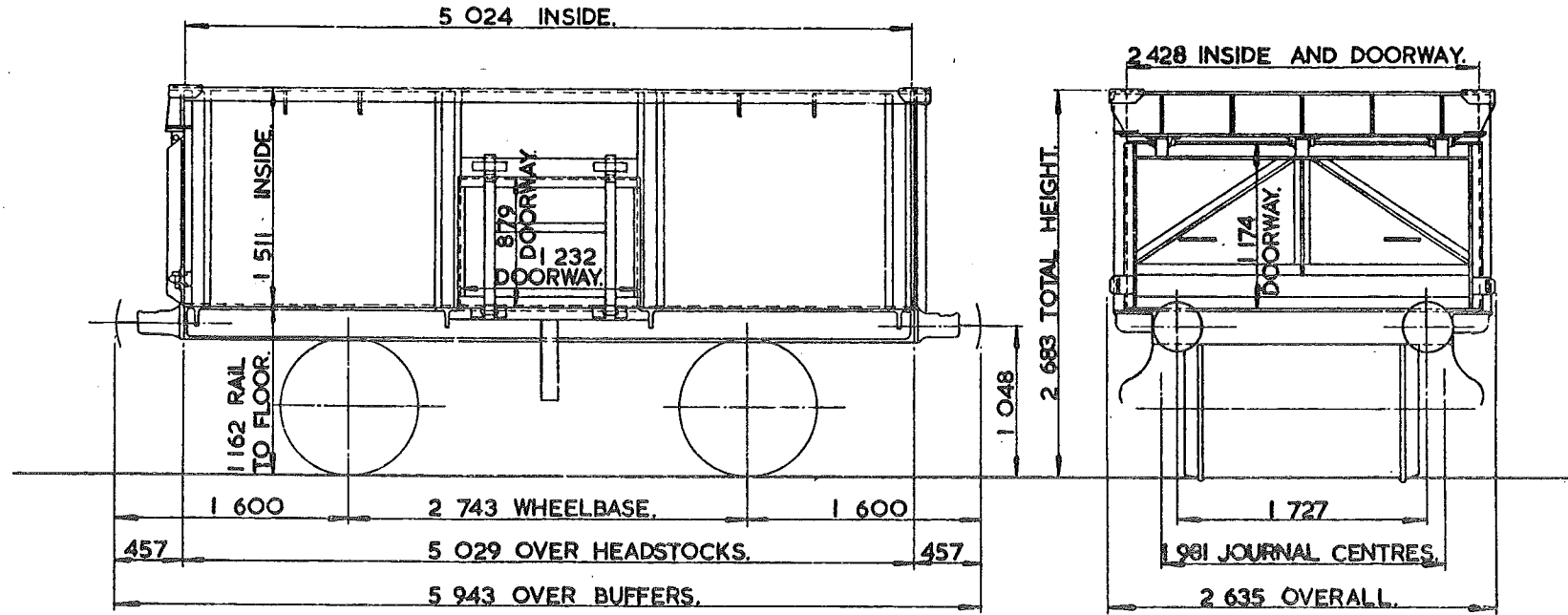
MINERAL WAGON

MCO07D

LOT NUMBER
ALL PARTS 3143, 3076, 3054, 3145, 2907, 3146, 2915, 2634, 2923, 2810, 2635, 2912, 2637, 2917, 2685, 3063, 3042.

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	D
						3 6 2



TARE --	8000 kg
CARRYING CAPACITY --	16500 kg.
CAPACITY --	18.332 m ³ .
MAX. SPEED --	35 mlie/h.
WHEELS --	952 DIA.
JOURNALS --	228x114 PLAIN BEARINGS.

BUFFERS --	SPINDLE 330 DIA HEADS.
COUPLINGS --	INSTANTER.
MIN. CURVE --	21m.
GEN. ARRGT. DRG. No. --	F-S-2556, 13/3961
BRAKE --	VACUUM BLOCK & HAND LEVER
SUSPENSION --	SHOE

ISSUE 2.

EX. B.R. DIAGRAM 1/99

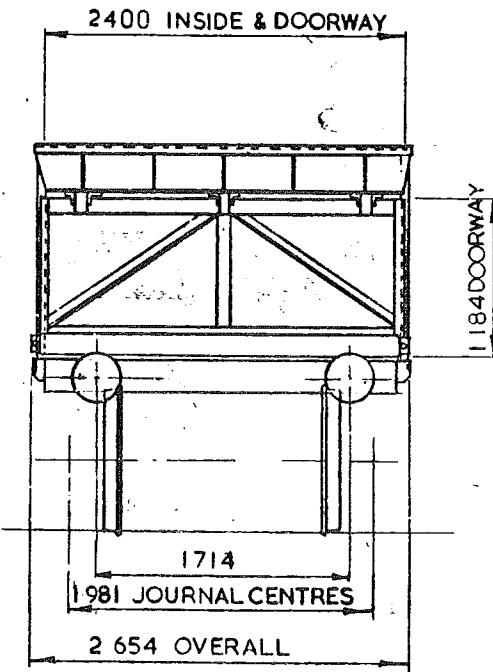
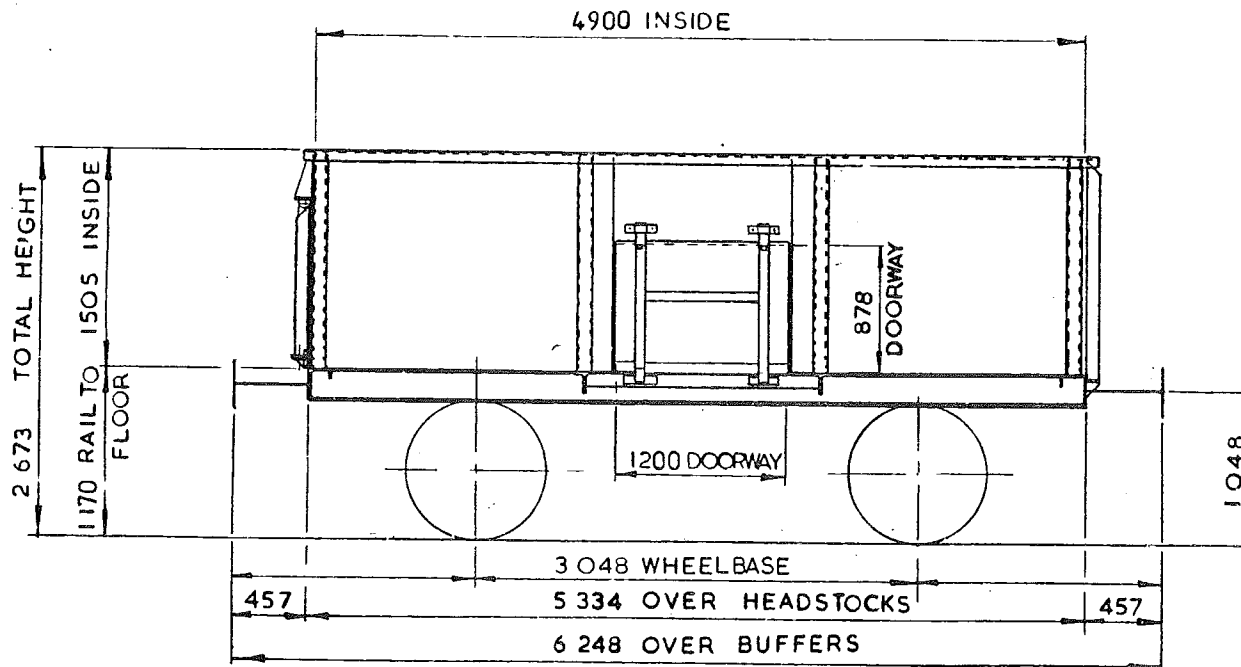
MINERAL WAGON

MC018 A

LOT NUMBER
PART 3863

EXCESS LENGTH	H	M	L	E
tonnes	23	19	13	9
VB	5	5	5	5
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	C	3	6	6



TARE - 8,000 kg.
CARRYING CAPACITY - 16,500 kg.
CAPACITY - 18.100 m ³
MAX. SPEED - 35 m/h.
WHEELS - 952 DIA
JOURNALS - 228 X 108 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21m
GEN. ARRGT. DRG. No. - F-AO-7858 D13/4263 (U/FRAME)
BRAKE - VACUUM BLOCK AND HAND LEVER
SUSPENSION - SHOE

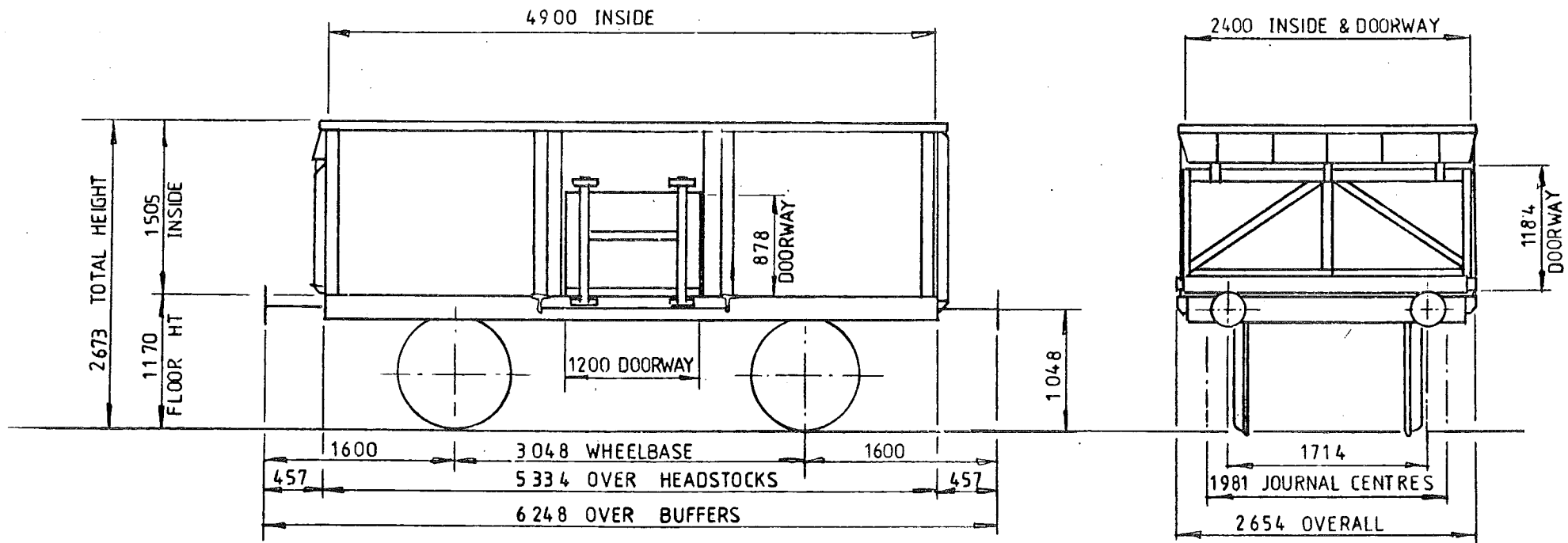
ISSUE 1.

MINERAL WAGON

MC018B

LOT NUMBER	
Pt 3863	

TOPS INFORMATION										
AARKND		OPERATING			OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH
CARKND		PANEL NO.			35 mite/h UP TO			3 t BRAKED TO TARE		
M	C	V	D	0	3	6	5	- mite/h ABOVE		24.5 tonne GLW



TARE -	8 000 kg
CAPACITY, WEIGHT -	16 500 kg
CAPACITY, VOLUME -	18.1 m ³
MIN. CURVE -	21 m
GEN. ARRGT. DRG. N ^o . -	F·AO·7858
	D13/4263 (U/F·FRAME)

BRAKE -	VACUUM BLOCK, HAND LEVER
SUSPENSION -	SHOE
COUPLINGS -	INSTANTER
BUFFERS -	SPINDLE 330 DIA HEADS
WHEELS -	952 DIA
JOURNALS -	228 x 108 PLAIN BEARINGS

ISSUE 1

OPEN WAGON-MINERAL

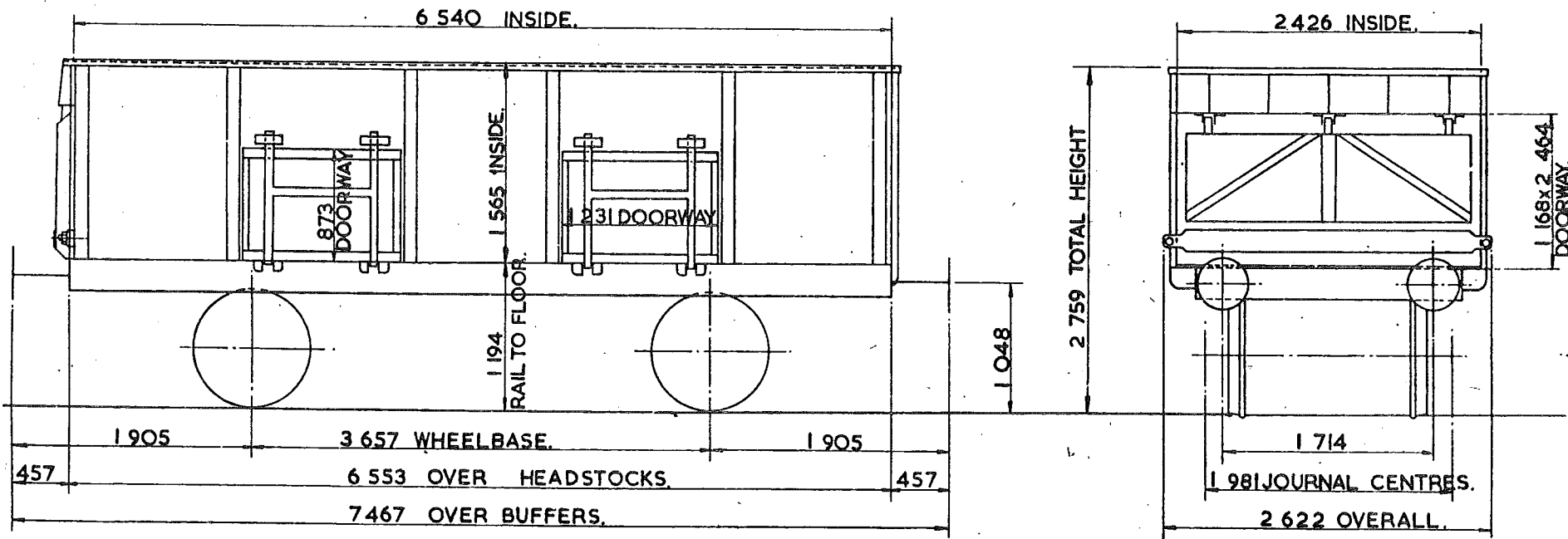
(REBODIED EX HOPPER COAL)

MDOO7A

LOT NUMBER					
PART 2165		PART 2552	PART 2728	PART 2935	
	PART 2400		PART 2731	PART 2954	
PART 2167		PART 2713	PART 2932	PART 3013	
		PART 2726	PART 2933	PART 3045	
		PART 2727	PART 2934		

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
M	D	Ø	M	D	Ø
E					17



TARE - 9 000 kg
CARRYING CAPACITY - 21 500 kg
CAPACITY - 24.830 m ³
MAX. SPEED - 50 mile/h.
WHEELS - 952 DIA.
JOURNALS - 254 x 127 PLAIN BEARINGS

BUFFERS - SELF CONTAINED 406 DIA. HEADS.
COUPLINGS - INSTANTER.
MIN. CURVE - 26m.
GEN. ARRGT. DRG. No. - F-S-6550.
BRAKE - HAND LEVER.
SUSPENSION - SHOE.

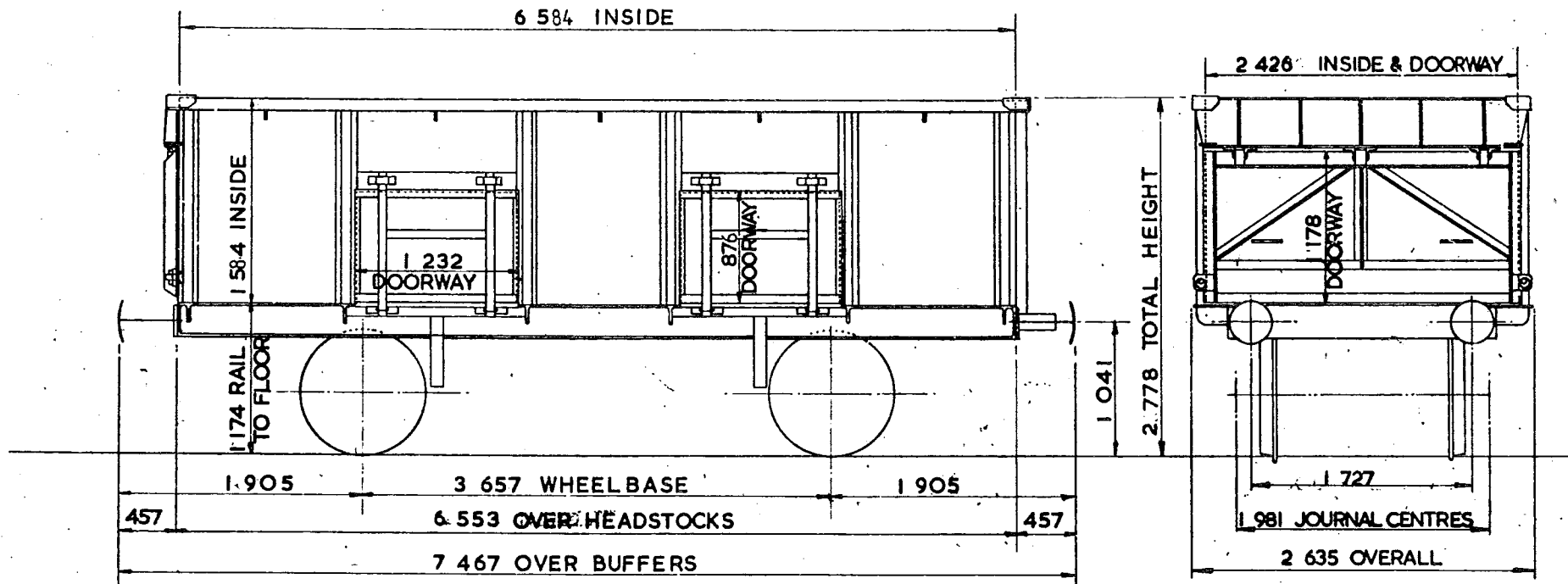
MINERAL WAGON

MD007C

LOT NUMBER
PART 2190

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No		
M D Ø	M D Ø	E			1 7



TARE - 9950 kg
CARRYING CAPACITY - 21500 kg
CAPACITY - 25.294 m ³
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 254 x 127 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26m
GEN. ARRGT. DRG. No. - RCH 2714
BRAKE - HAND LEVER.
SUSPENSION - SHOE

Issue 1

OPEN WAGON - MINERAL

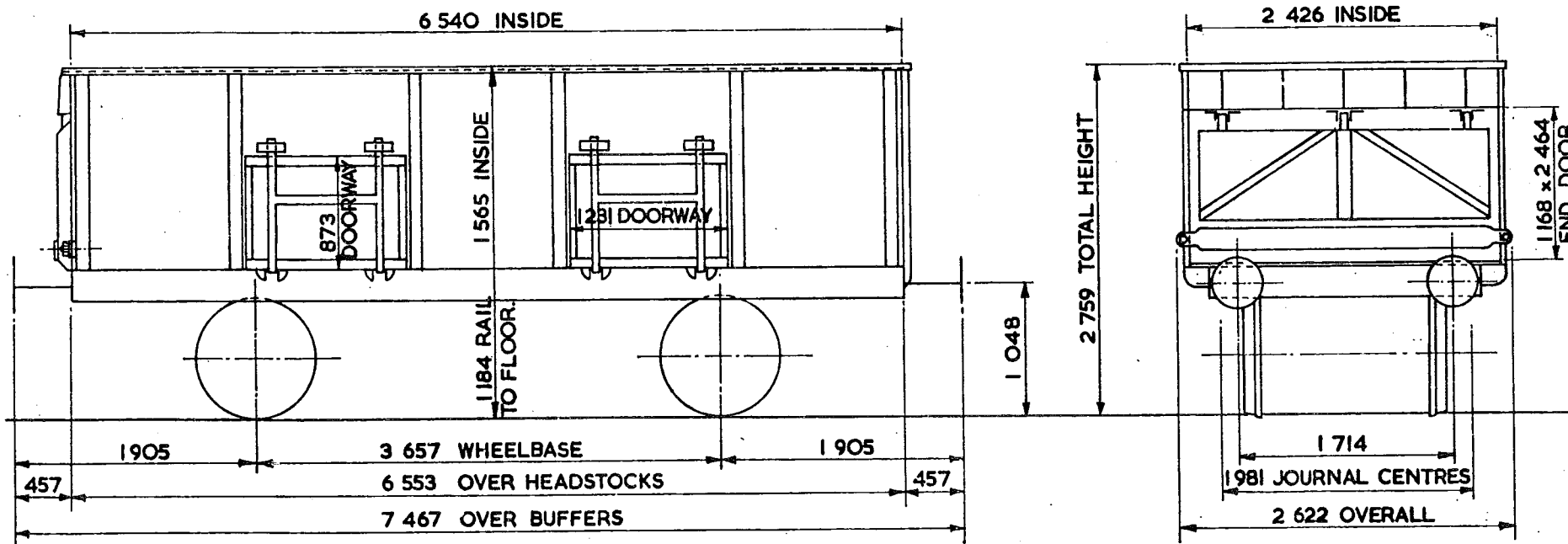
(REBODIED EX HOPPER COAL)

MD 007E

LOT NUMBER				
	PART 2727	PART 2935	PART 3033	PART 3045
	PART 2731	PART 3013	PART 3034	PART 3120
PART 2552	PART 2932	PART 3030	PART 3035	PART 3121
PART 2713	PART 2933	PART 3031	PART 3036	PART 3157
PART 2726	PART 2934	PART 3032	PART 3037	

EXCESS LENGTH	H	M	L	E
TONNES	28	22	15	10
VB				
AB				
RA	3	1	1	1
MAX. SPEED	50	50	50	50

TOPS CODE				
CARKND	AARKND	OPERATING PANEL No.		
M	D	Ø	M	D
Ø	E			17



TARE -	9000kg.
CARRYING CAPACITY -	21500 kg.
CAPACITY -	24830 m ³
MAX. SPEED -	50 mile/h
WHEELS -	952 DIA.
JOURNALS -	124 DIA. ROLLER BEARINGS

BUFFERS -	SELF CONTAINED 406 DIA HEADS.
COUPLINGS -	INSTANTER
MIN. CURVE -	26m.
GEN. ARRGT. DRG. No. -	F-S-6550
BRAKE -	HAND LEVER
SUSPENSION -	SHOE

ISSUE 2.
EX. BR. DIAGRAM 1/98 (ALLOCATED)

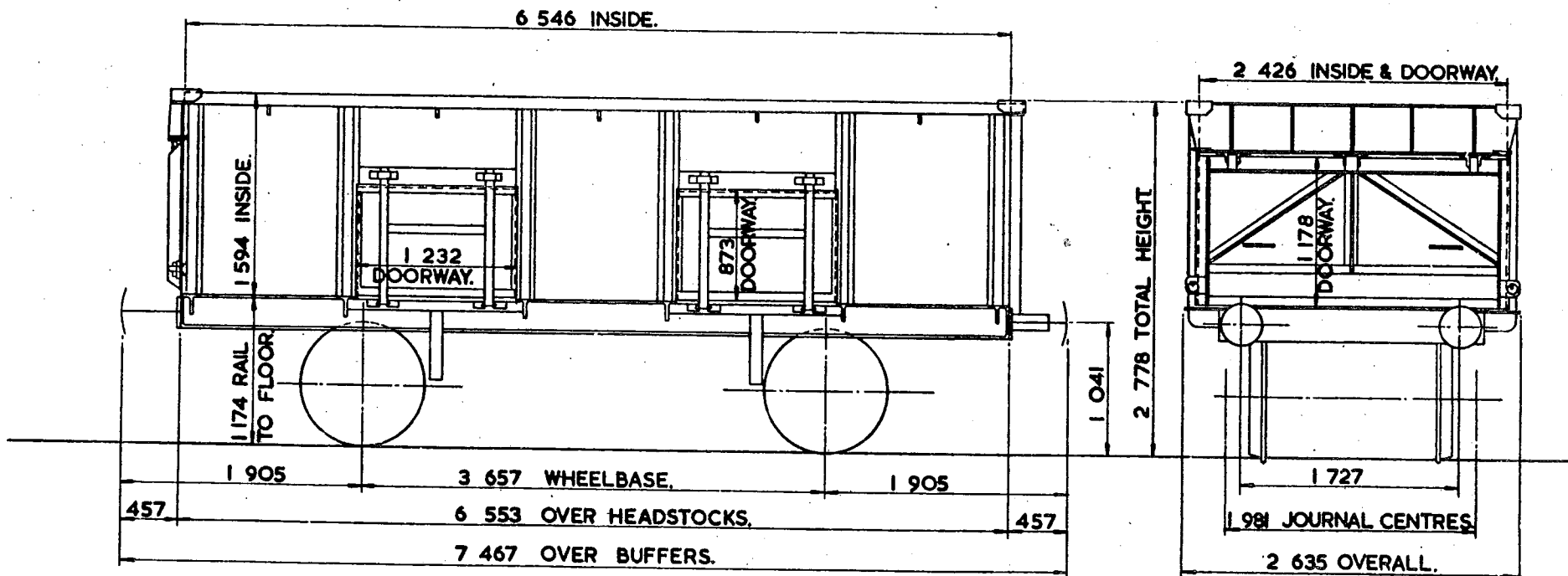
MINERAL WAGON

MDO07F

LOT NUMBER
PART 2191
PART 2192
PART 2193

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No.		
M	D	Ø	M	D	Ø
E					17



TARE -	10250kg.
CARRYING CAPACITY -	21500kg.
CAPACITY -	25.307m ³ .
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. -	RCH 2719.
BRAKE -	HAND LEVER.
SUSPENSION -	SHOE.

issue 2

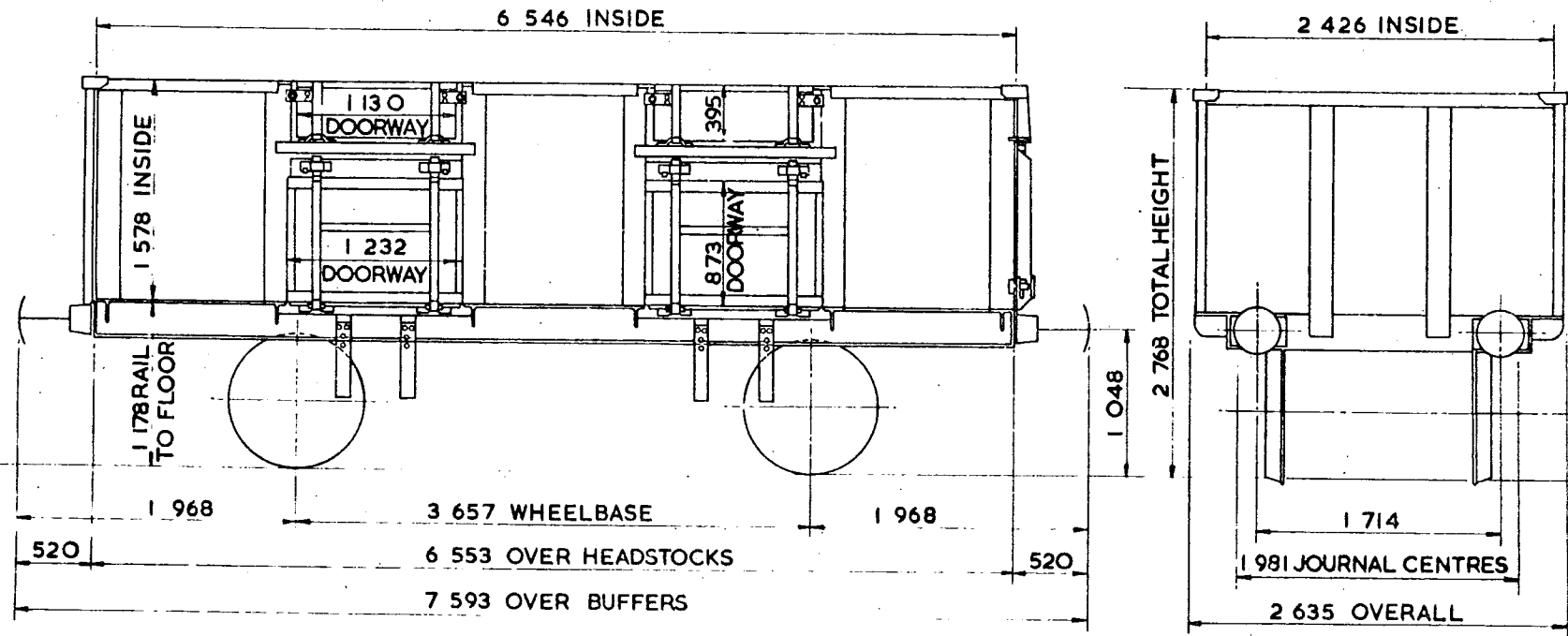
MINERAL WAGON

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 ³
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

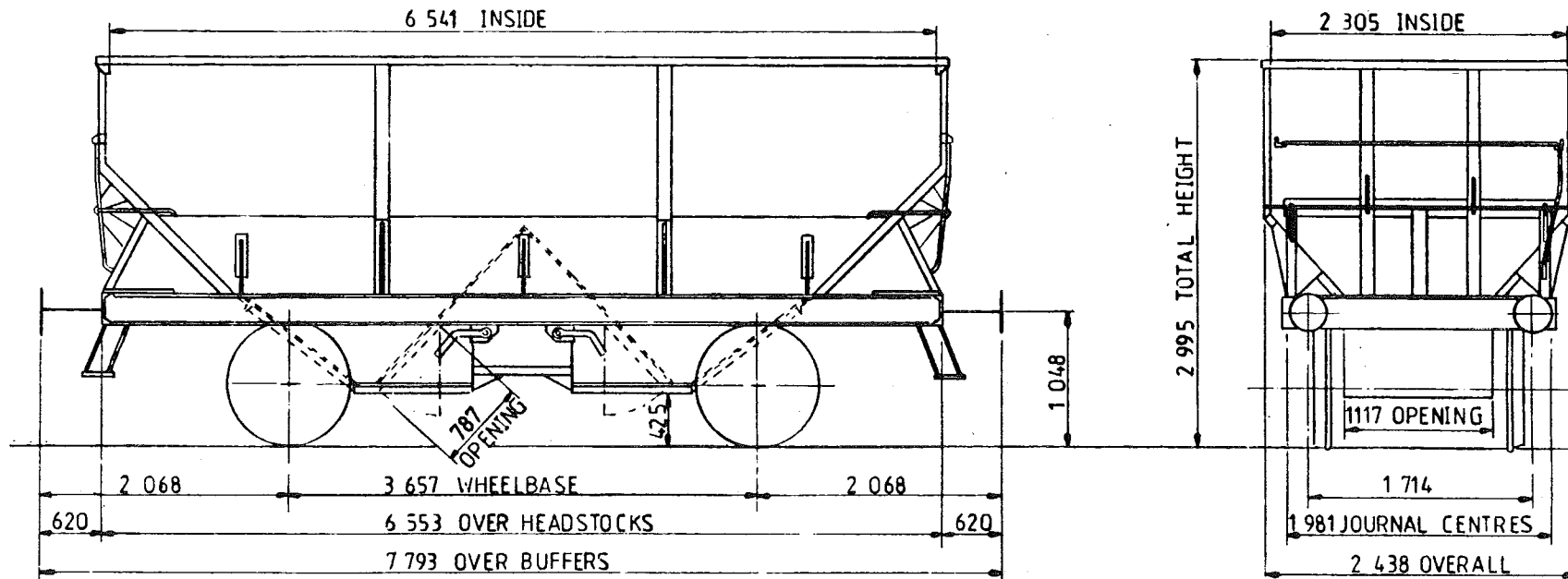
HOPPER COAL WAGON

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	21 500 kg
CAPACITY	23 000 m ³
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

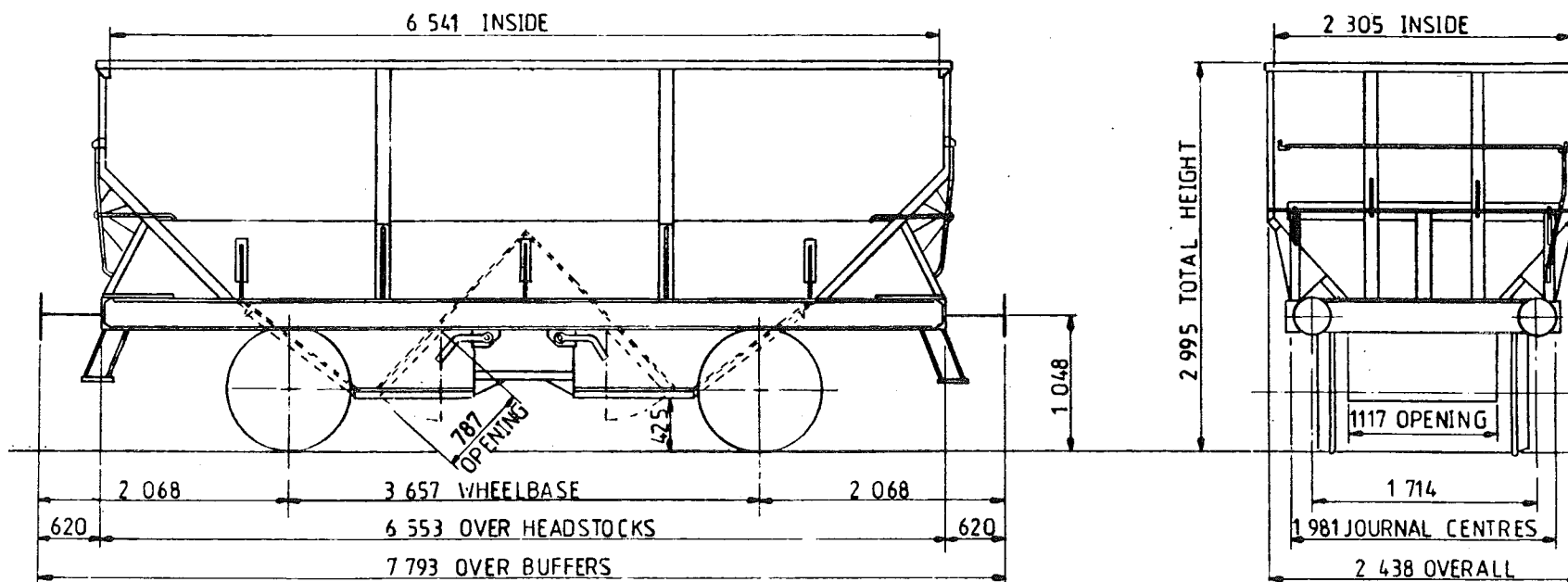
HOPPER COAL WAGON

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	
H	T	V	H	T	V
				5	5



TARE	9 550 kg
CARRYING CAPACITY	21 500 kg
CAPACITY	23 900 m ³
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

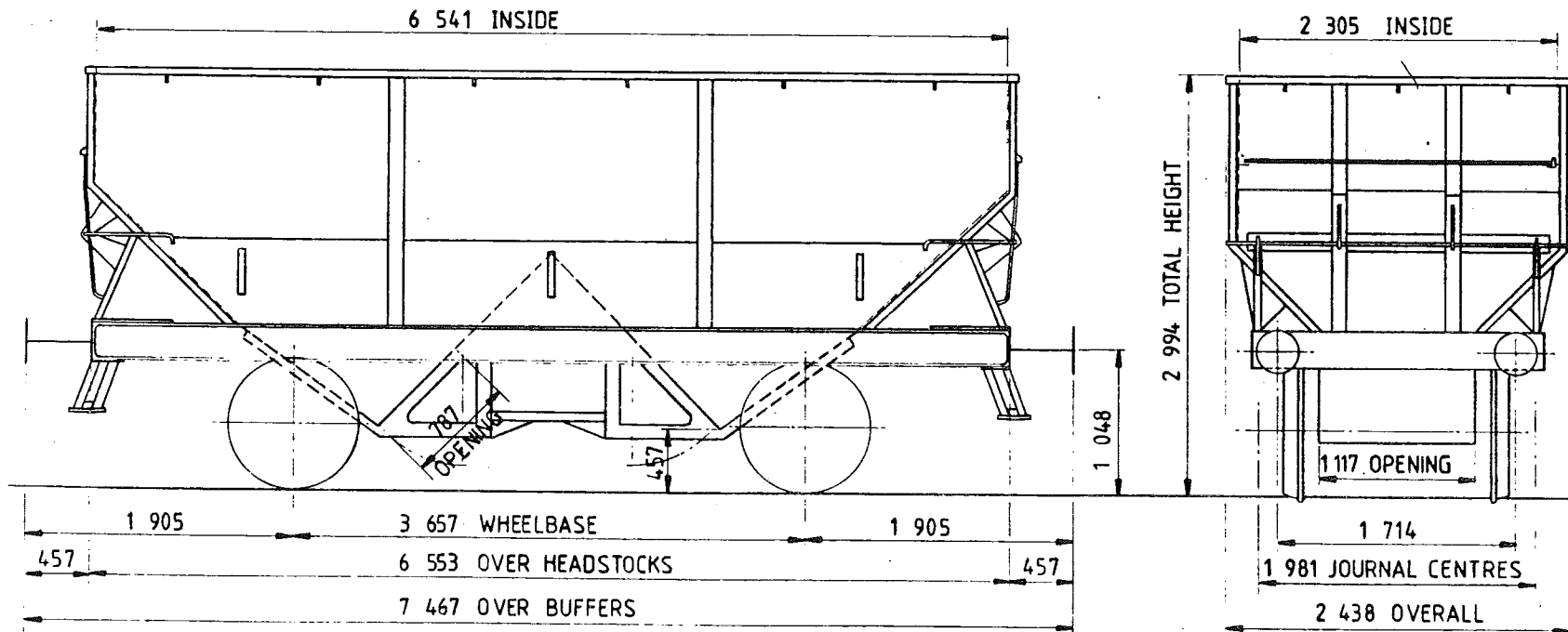
HOPPER COAL WAGON

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 ⁴ 50 Kg
CARRYING CAPACITY - 21 ⁵ 00 Kg
CAPACITY - 23.9 m ³
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.

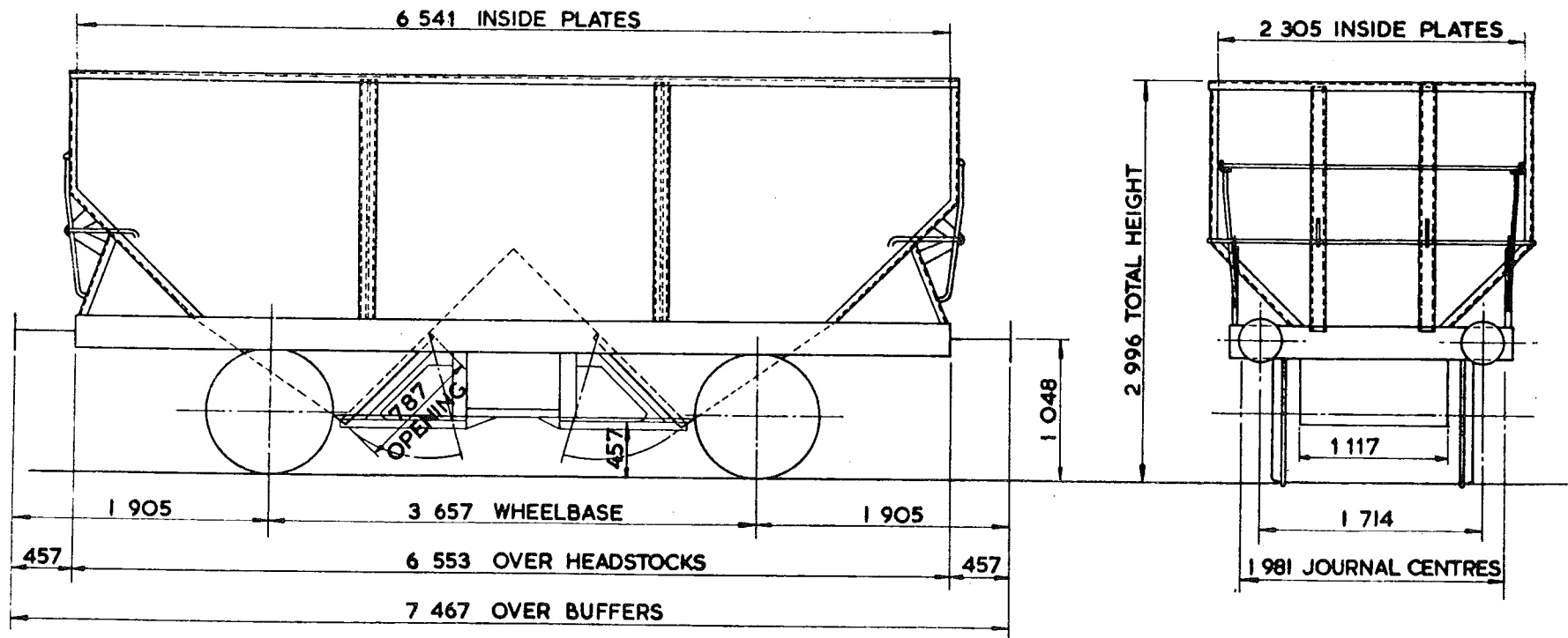
HOPPER COAL WAGON

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 ³
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

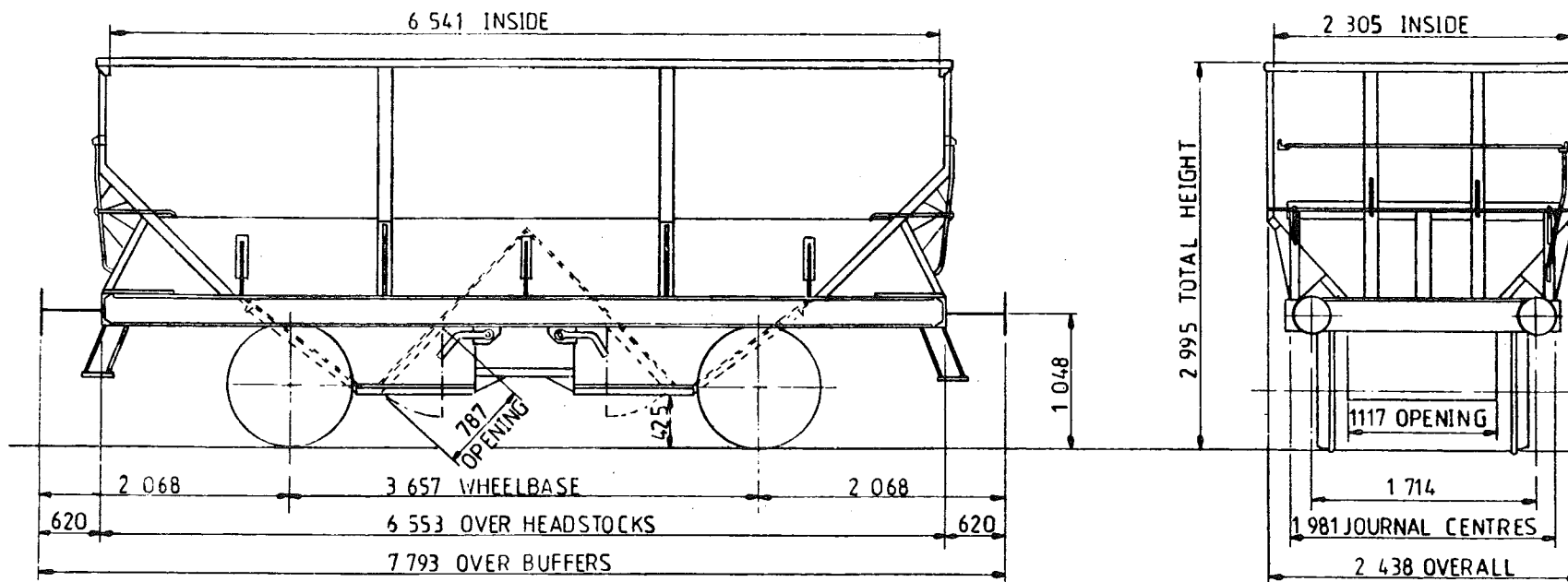
HOPPER COAL WAGON

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		OPENING PANEL No		
HTV	HTV	S	3	2	5



TARE	9550 kg
CARRYING CAPACITY	25,000 kg
CAPACITY	23,900 m ³
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 F-S-2246
BRAKE	VACUUM BLOCK & HAND LEVER
SUSPENSION	SHOE

issue 1

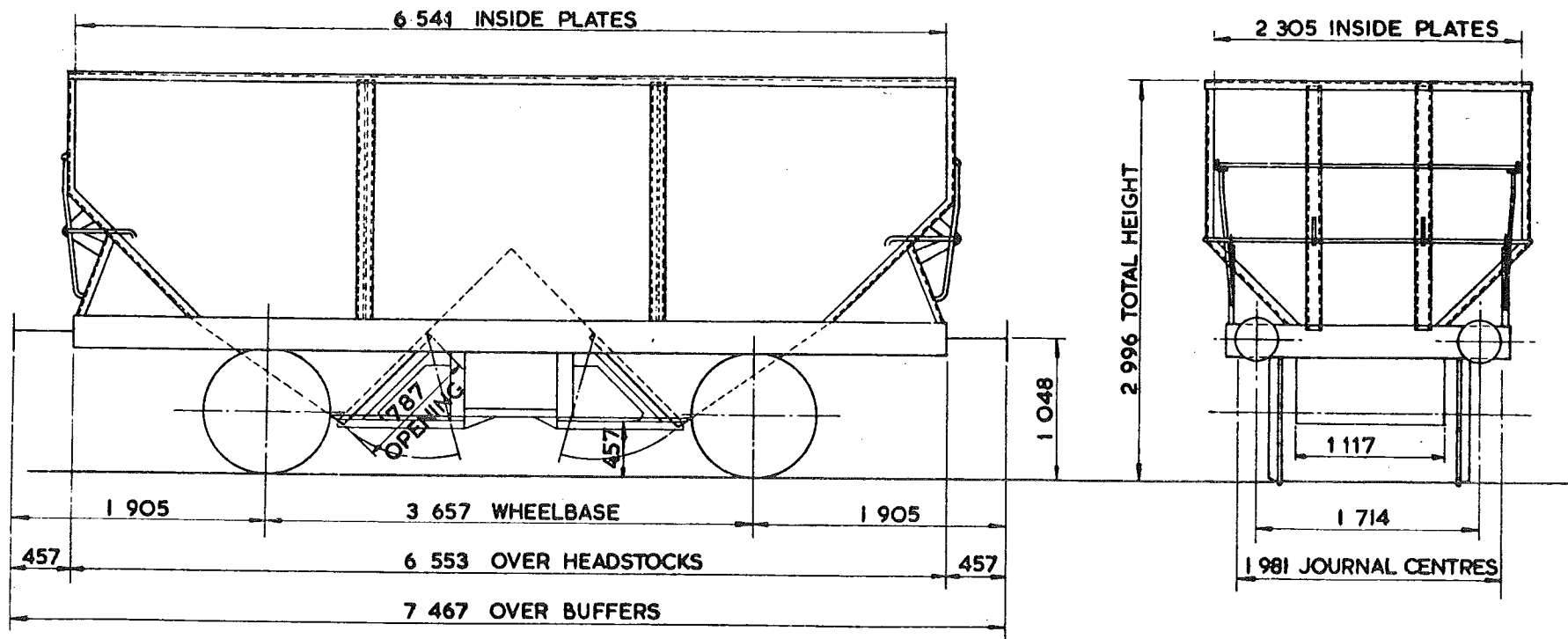
HOPPER COAL WAGON

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 ³
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

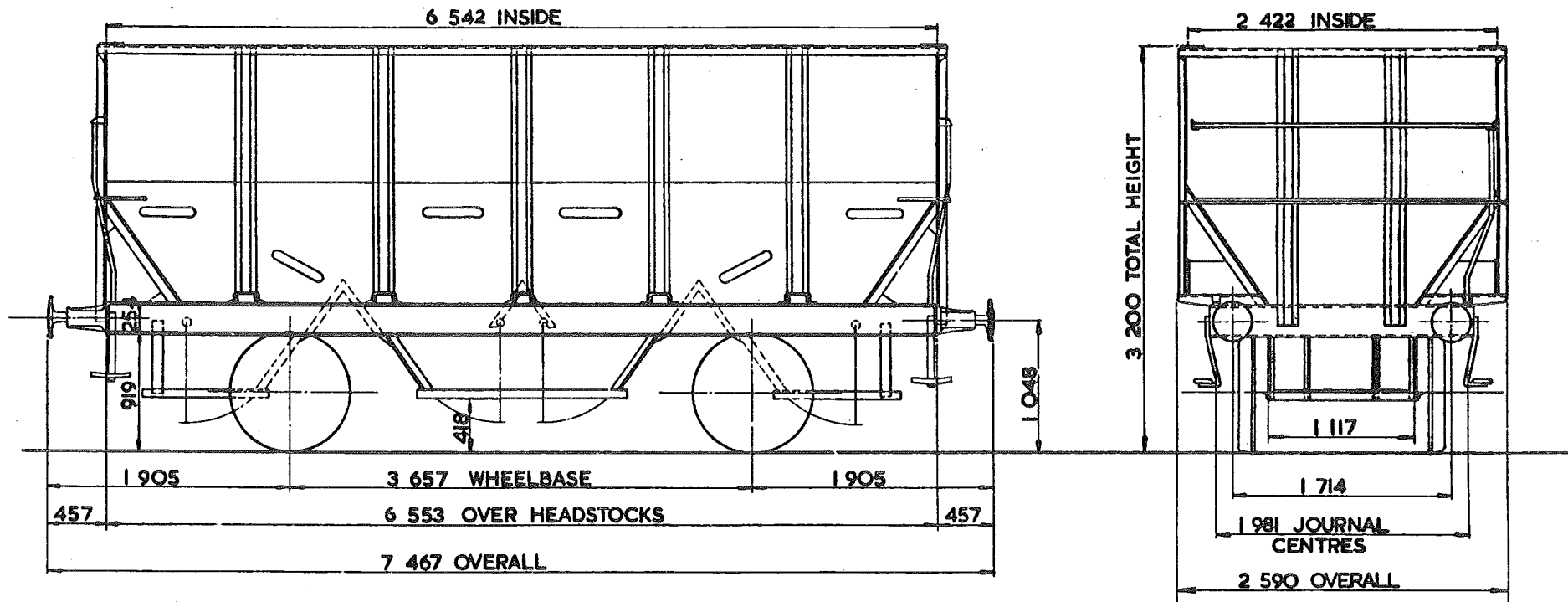
HOPPER COAL WAGON

HUOOIA

LOT NUMBER
2504
PART 2609

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

TOPS CODE				
CARKND	AARKND	OPERATING PANEL No.		
HUØ	HUØ	F		14



TARE - 10 250 kg.
CARRYING CAPACITY - 24 900 kg.
CAPACITY - 29.053 m ³
MAX. SPEED - 50 mile/h.
WHEELS - 939 DIA.
JOURNALS - 254 x 127 PLAIN BEARINGS

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

issue 1

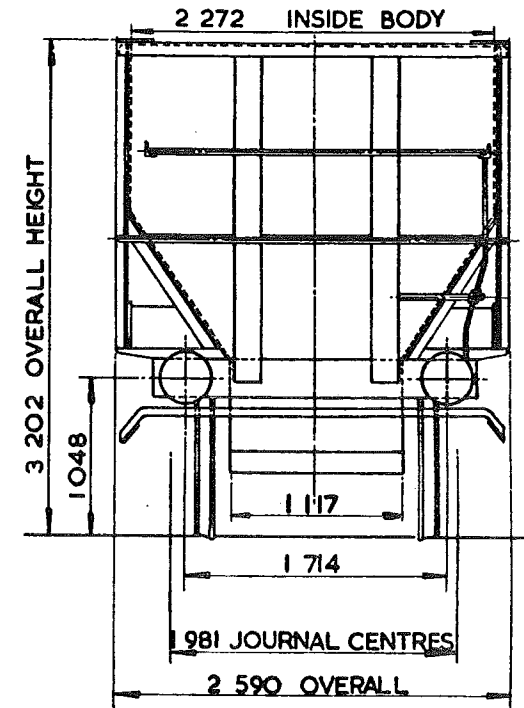
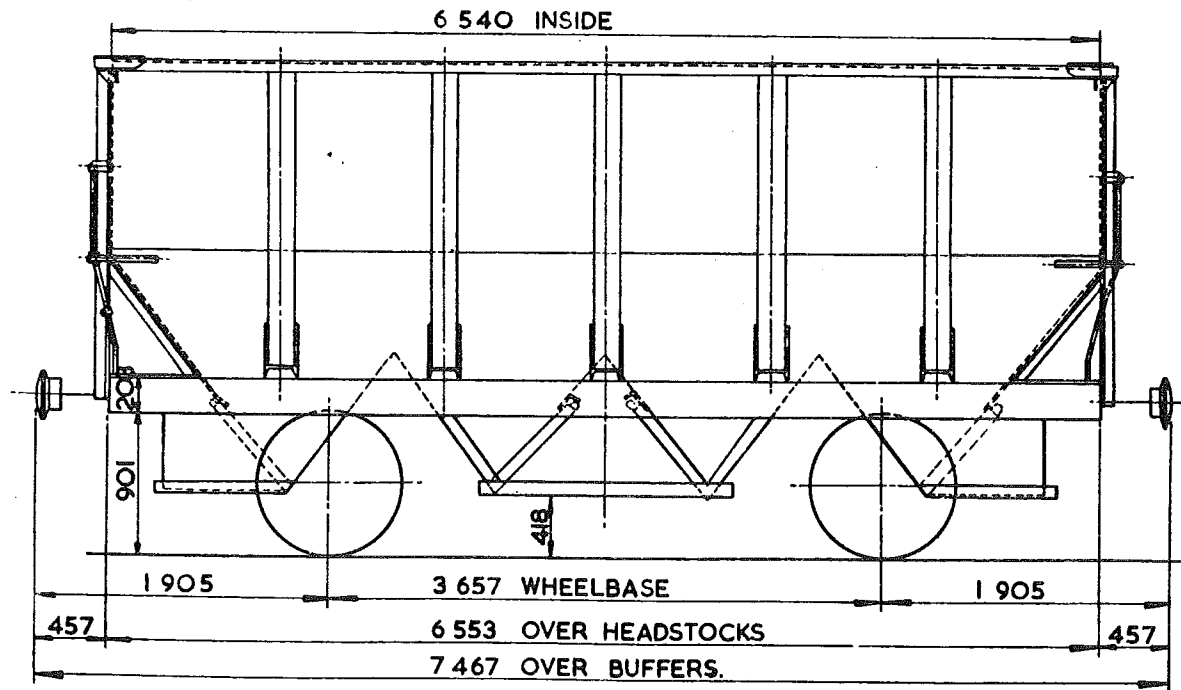
HOPPER COAL WAGON

HU001B

LOT NUMBER
3426
3221

EXCESS LENGTH ²	H	M	L	E
tonnes	32	26	17	11
V B				
A B				
R A	4	2	1	1
MAX SPEED	50	50	50	50

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
H U Ø	H U Ø	F	I	S	B



TARE - 10 750 kg
CARRYING CAPACITY- 24500kg
CAPACITY - 29.053 m ³
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - SELF CONTAINED 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26 m
GEN. ARRGT. DRG.No. - SW/DN 27556
BRAKE - HAND LEVER.
SUSPENSION - SHOE

Issue 2

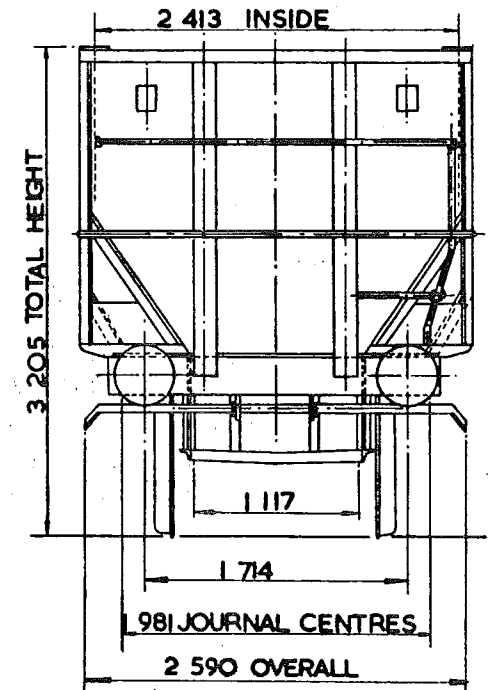
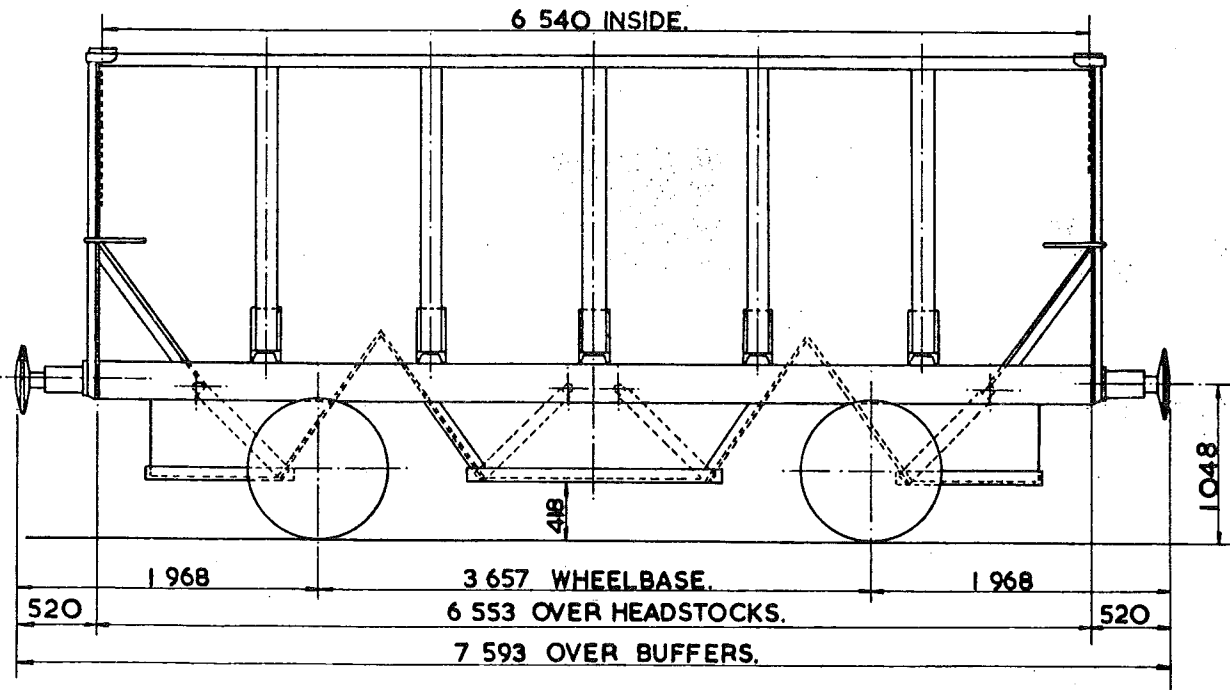
HOPPER COAL WAGON

HUOOIC

LOT NUMBER
PART 3466
3525
3526

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 N°			
H	U	Ø	H	U	Ø F 1 5 8



TARE - 10 700kg TO 10 850kg.
CARRYING CAPACITY - 25 000kg.
CAPACITY - 29.053m ³
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/31265.
BRAKE - HAND LEVER.
SUSPENSION - SHOE.

issue 1

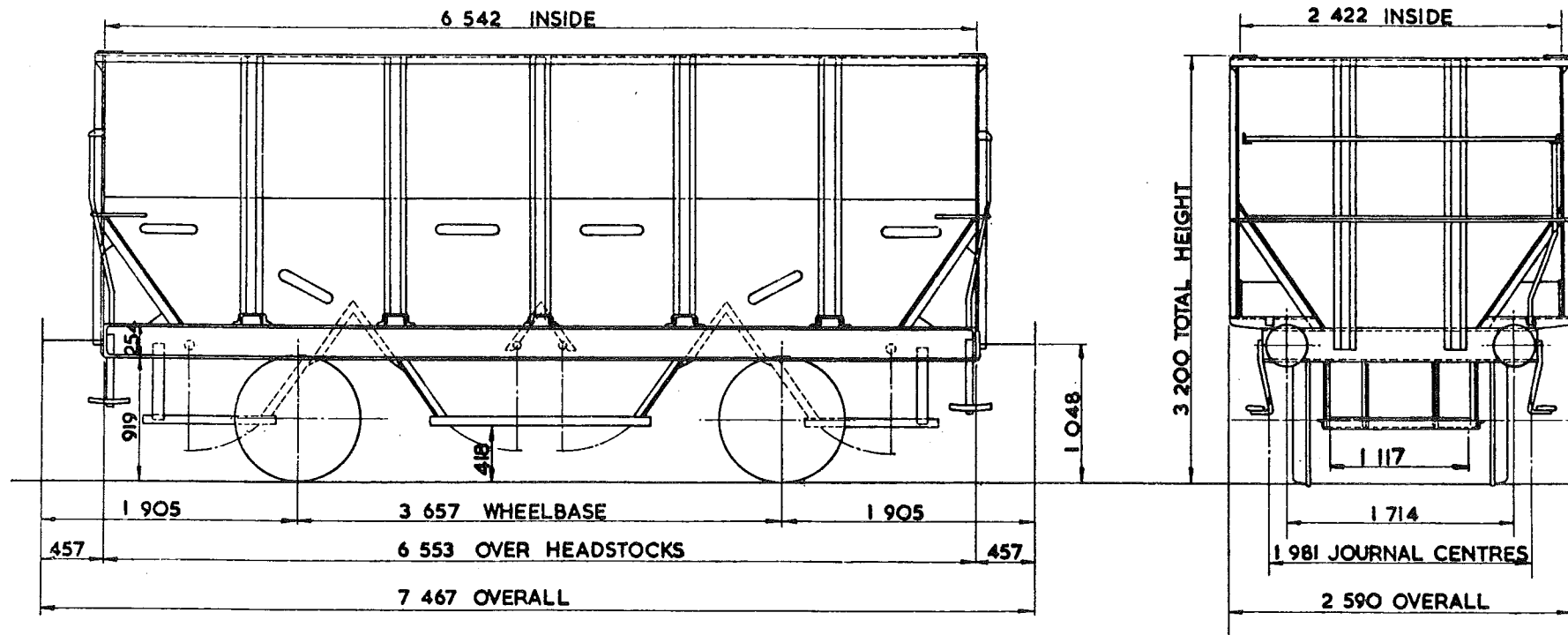
HOPPER COAL WAGON

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 ³
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

EX. B.R. DIAGRAM 148

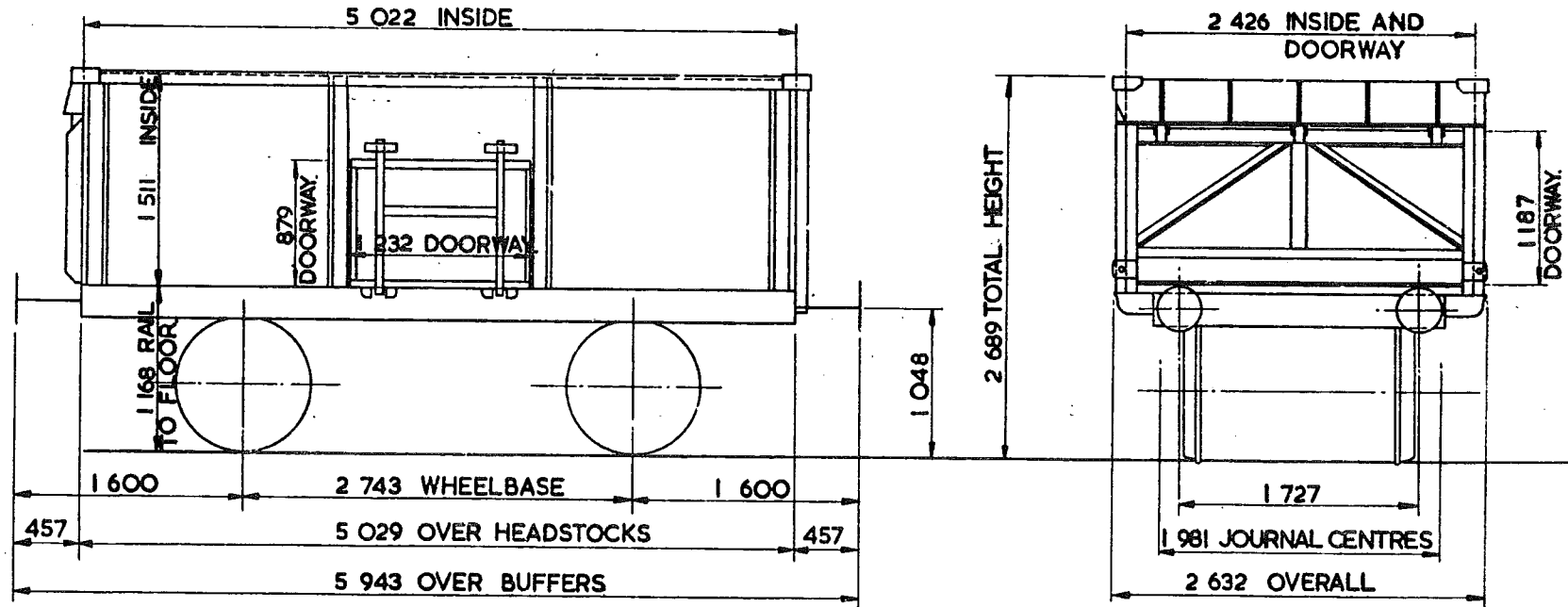
MINERAL WAGON

MCOOIB

PART LOT NUMBER
2385
2917
3144
3178

EXCESS LENGTH	H	M	L	E
tonnes	23	17	13	9
VB	9	9	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	C	3	6	4



TARE -	7800kg.
CARRYING CAPACITY -	16500kg.
CAPACITY -	18.348m ³ .
MAX. SPEED -	35 mile/h
WHEELS -	952 DIA.
JOURNALS -	228x114 PLAIN BEARINGS

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

ISSUE 2;

EX. B.R. DIAGRAM 1/99

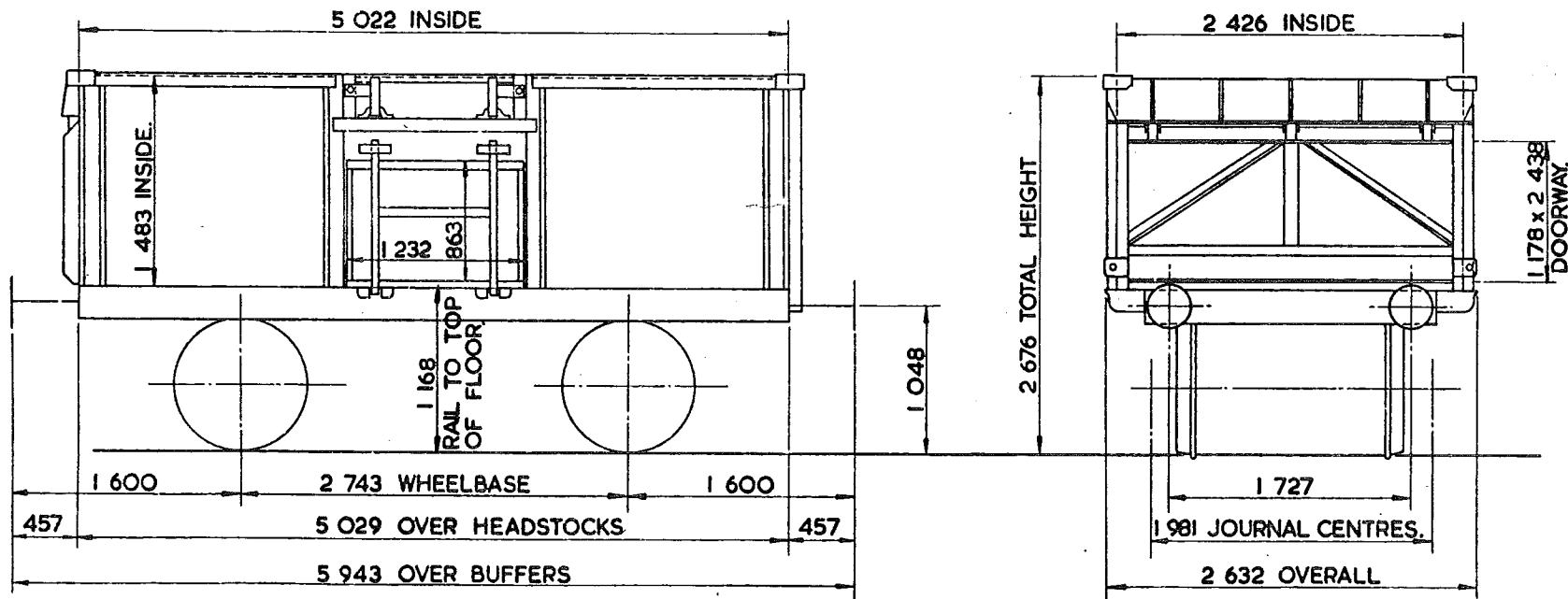
MINERAL WAGON

MCO01C

LOT NUMBERS		
2634	2917	2922
2637	2918	
2797	2919	
2802	2920	
2907	2921	

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	C	V	M	C	V	C
						3 6 3



TARE --	7 800 kg
CARRYING CAPACITY --	16 500 kg
CAPACITY --	18.349 m ³
MAX. SPEED --	35 mile/h.
WHEELS --	952 DIA.
JOURNALS --	228x114 PLAIN BEARINGS

BUFFERS --	SPINDLE 3 JO DIA. HEADS
COUPLINGS --	INSTANTER
MIN. CURVE --	21 m.
GEN. ARRGT. DRG. No. --	SW/DE/2890
BRAKE --	VACUUM BLOCK & HAND LEVER
SUSPENSION --	SHOE

ISSUE 3

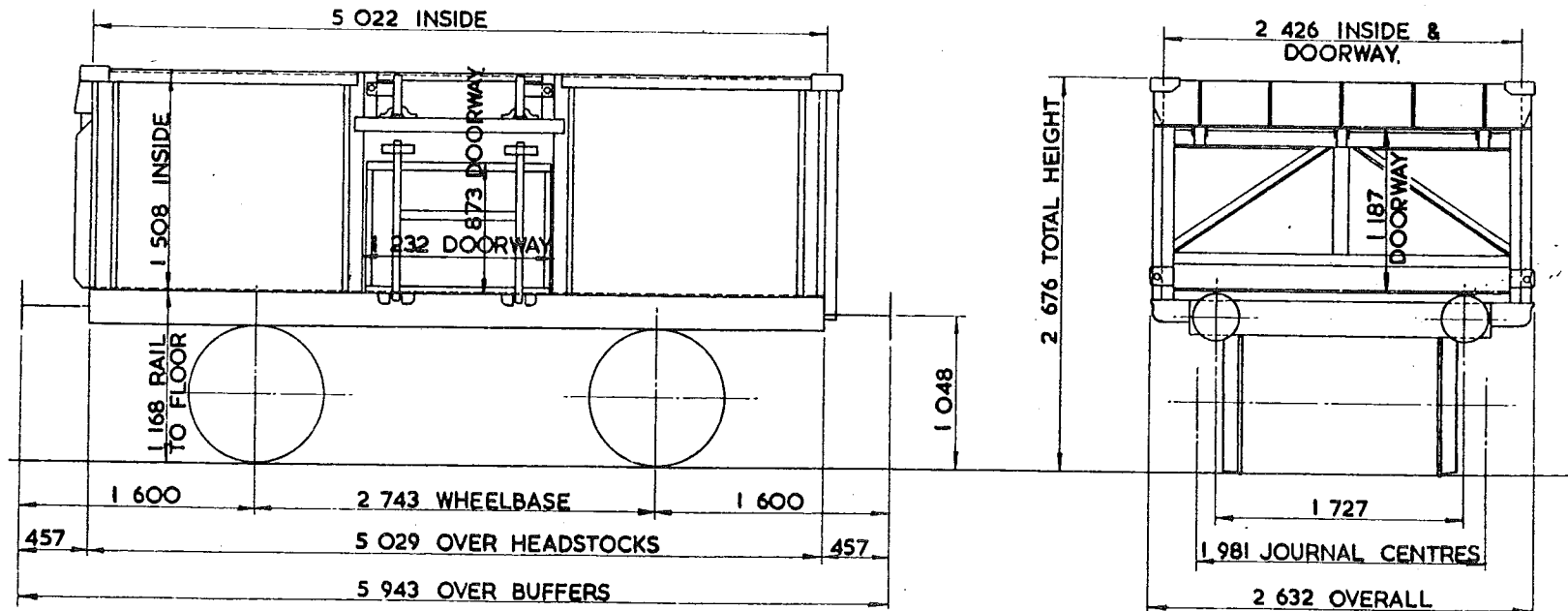
MINERAL WAGON

MC 00IG

LOT NUMBER
2917
2919
2920
2921
2922

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 C V	M C V	D	3	6	3



TARE - 7 800 kg
CARRYING CAPACITY - 16 500 kg
CAPACITY - 18.336 m ³
MAX. SPEED - 35 mile/h
WHEELS - 952 DIA.
JOURNALS - 228 X 114 PLAIN BEARINGS

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

ISSUE 3.

EX.B.R. DIAGRAM 108

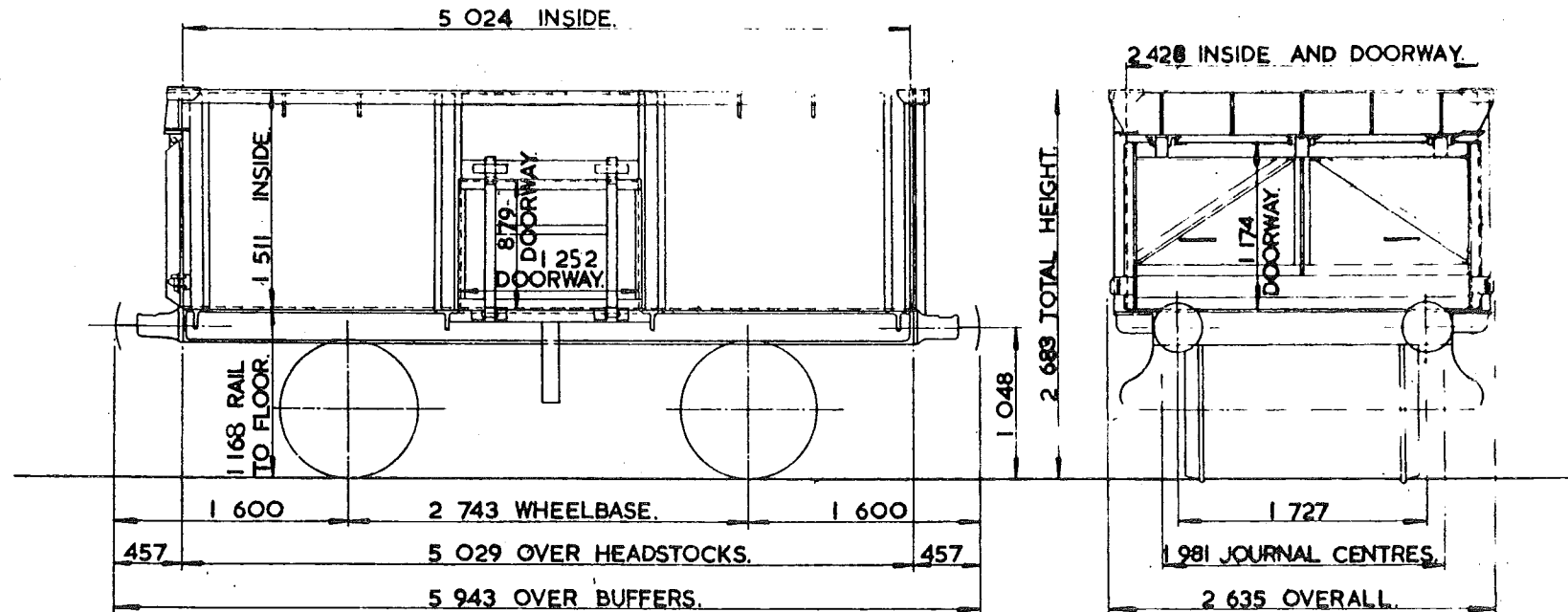
MINERAL WAGON

MCO03B

LOT NUMBER
3042
3076
3145
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	7 000 kg
CARRYING CAPACITY	16 500 kg.
CAPACITY	18.332m ³ .
MAX SPEED	35 mile/h.
WHEELS	952 DIA.
JOURNALS	228x114 PLAIN BEARINGS.

BUFFERS	SPINDLE 330 DIA HEADS.
COUPLINGS	INSTANTER.
MIN. CURVE	21m.
GEN ARRGT. DRG. No.	F-S-2556, 13/3961
BRAKE	VACUUM BLOCK & HAND LEVER
SUSPENSION	SHOE

ISSUE 2.

EX. B.R. DIAGRAM 1/99

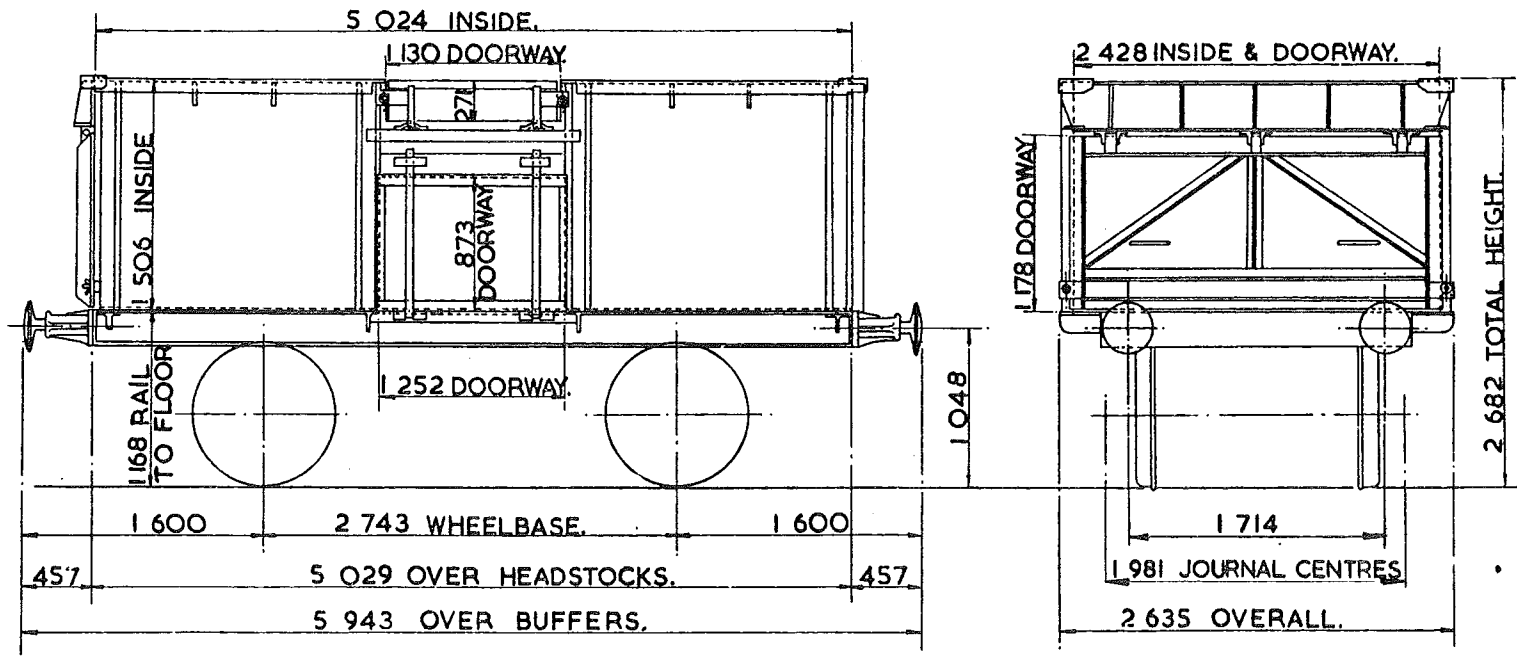
MINERAL WAGON

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

BUFFERS - SPINDLE 330 DIA. PEADS
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

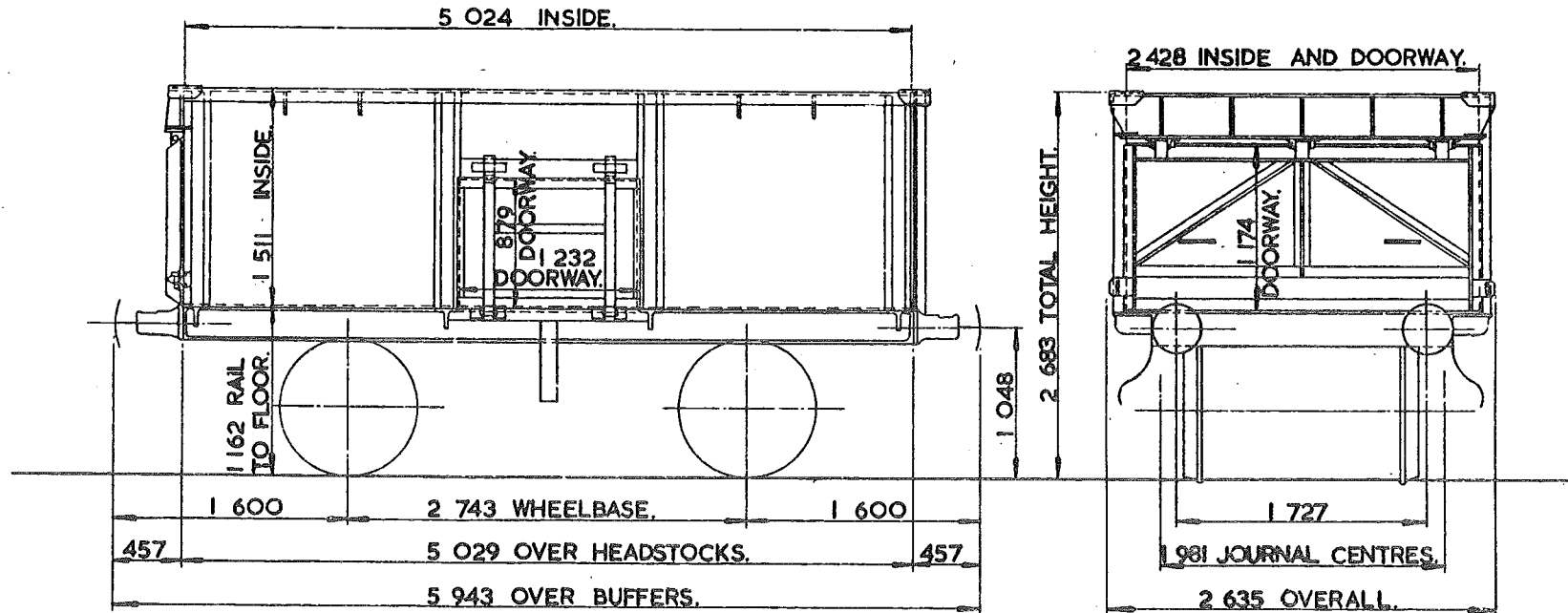
MINERAL WAGON

MCO07D

LOT NUMBER
ALL PARTS 3143, 3076.
3054, 3145, 2907, 3146.
2915, 2634, 2923, 2810.
2635, 2912, 2637, 2917.
2685, 3063, 3042.

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
D				3	6
					2



TARE --	8000 kg
CARRYING CAPACITY --	16500 kg.
CAPACITY --	18.332m ³ .
MAX. SPEED --	35mle/h.
WHEELS --	952 DIA.
JOURNALS --	228x114 PLAIN BEARINGS.

BUFFERS --	SPINDLE 330 DIA HEADS.
COUPLINGS --	INSTANTER.
MIN. CURVE --	21m.
GEN. ARRGT. DRG. No. --	F-S-2556, 13/3961
BRAKE --	VACUUM BLOCK & HAND LEVER
SUSPENSION --	SHOE

ISSUE 2.

EX. B.R. DIAGRAM 1/99

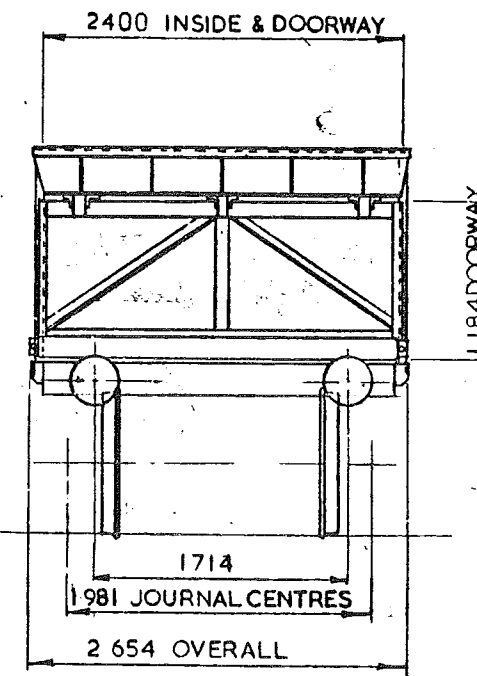
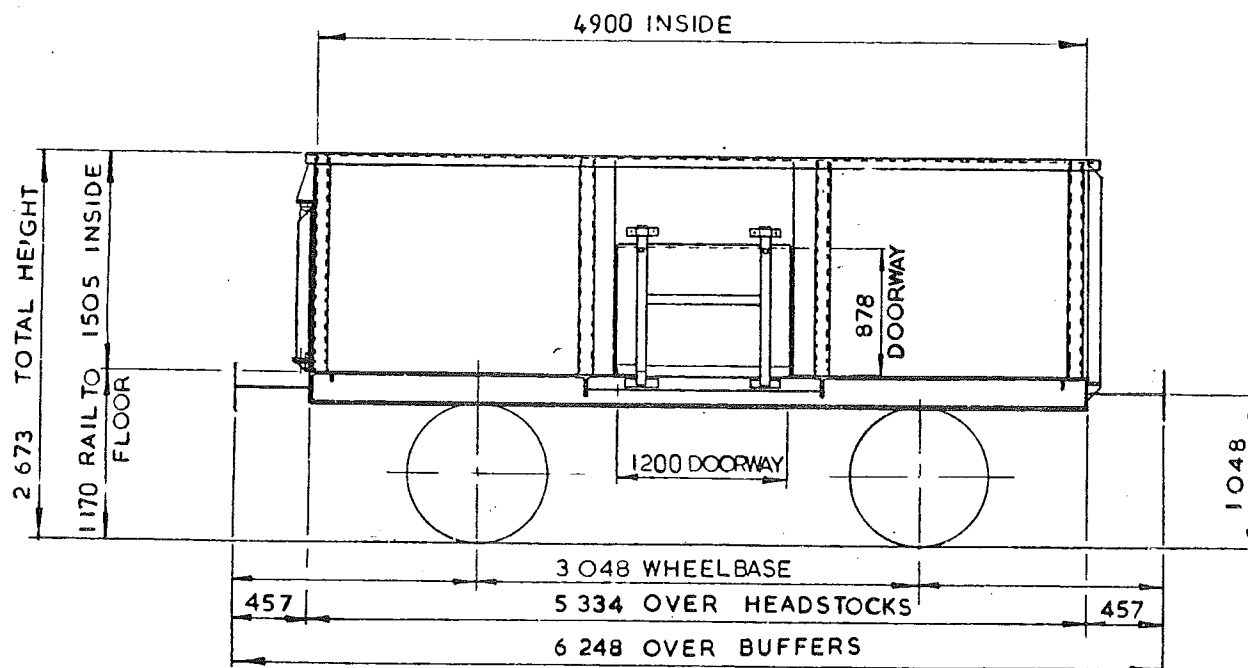
MINERAL WAGON

MC018 A

LOT NUMBER
PART 3863

EXCESS LENGTH	H	M	L	E
tonnes	23	19	13	9
VB	5	5	5	5
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
C	C	C	3	6	6



TARE - 8,000 kg.
CARRYING CAPACITY - 16,500 kg.
CAPACITY - 18.100 m ³
MAX. SPEED - 35 m/h.
WHEELS - 952 DIA
JOURNALS - 228 X 108 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21m
GEN. ARRGT. DRG. No. - F-AO-7858 D13/4263 (U/FRAME)
BRAKE - VACUUM BLOCK AND HAND LEVER
SUSPENSION - SHOE

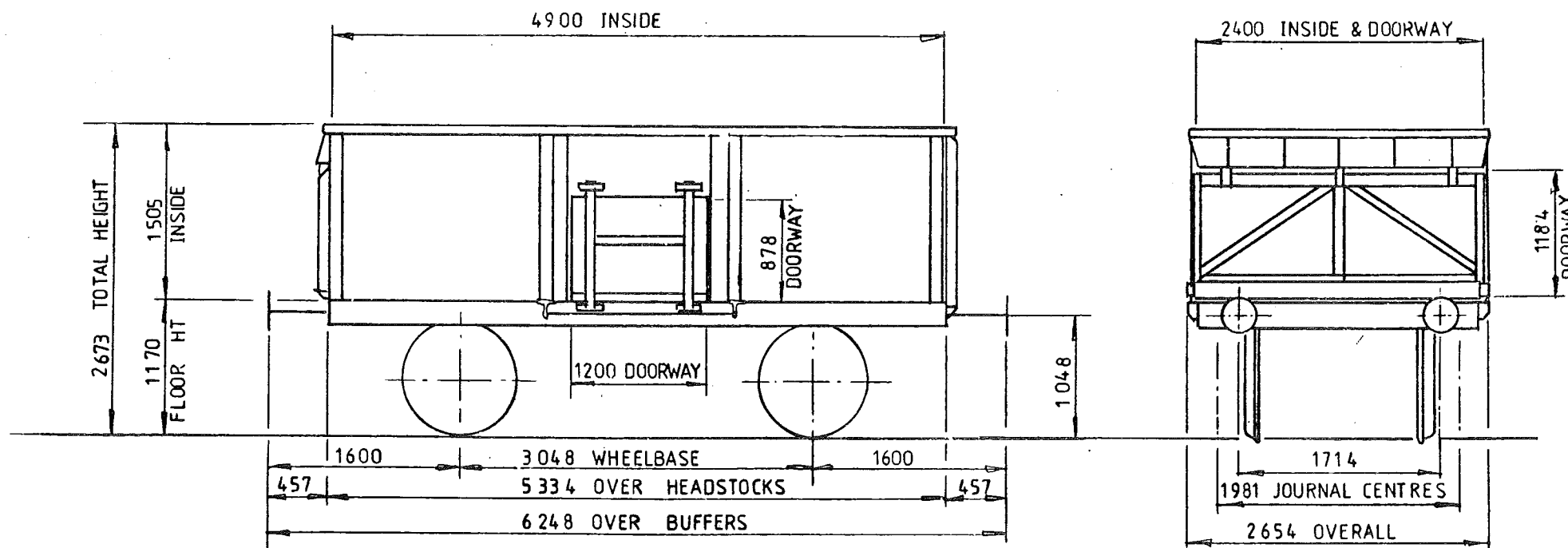
ISSUE 1.

MINERAL WAGON

MC018B

LOT NUMBER	
Pt 3863	

TOPS INFORMATION										
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH	
CARKND		PANEL NO.		35 mile/h UP TO			24.5 tonne GLW		3 t BRAKED TO TARE	
M	C	V	D	0	3	6	5	- mile/h ABOVE		



TARE -	8 000 kg
CAPACITY, WEIGHT -	16 500 kg
CAPACITY, VOLUME -	18.1 m ³
MIN. CURVE -	21 m
GEN. ARRGT. DRG. N ^o -	F·AO·7858
	D13/4263 (U/FRAME)

BRAKE -	VACUUM BLOCK, HAND LEVER
SUSPENSION -	SHOE
COUPLINGS -	INSTANTER
BUFFERS -	SPINDLE 330 DIA HEADS
WHEELS -	952 DIA
JOURNALS -	228 x 108 PLAIN BEARINGS

ISSUE 1

OPEN WAGON-MINERAL

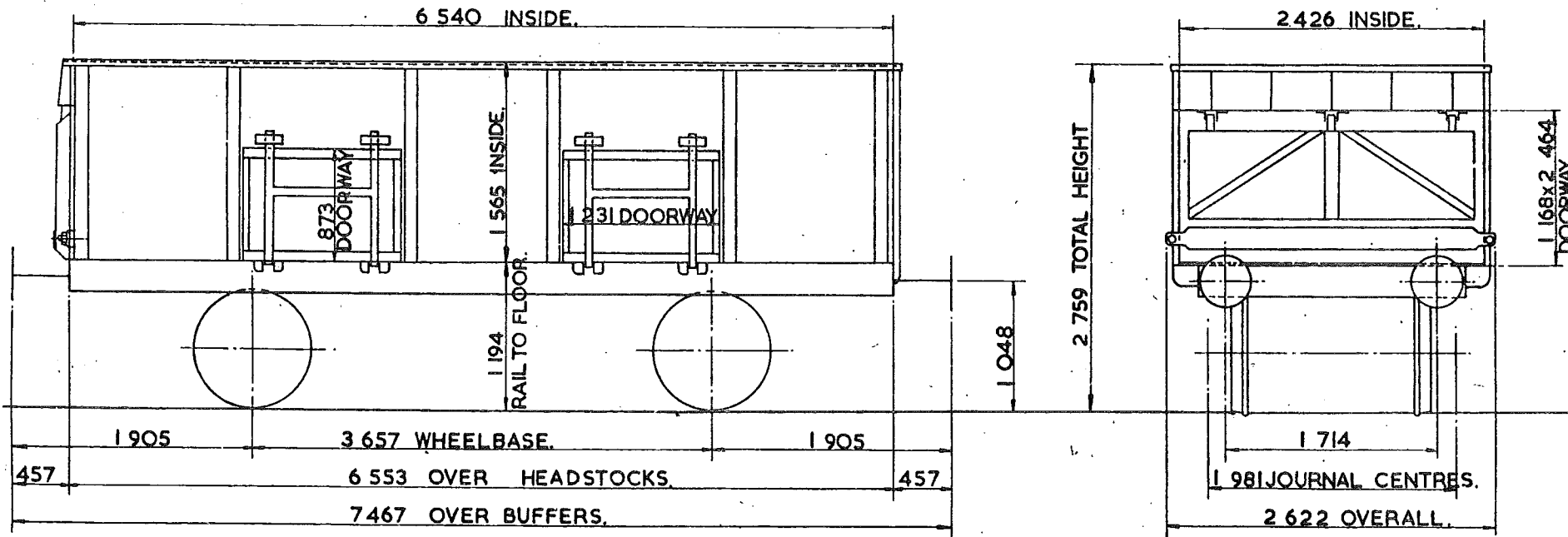
(REBODIED EX HOPPER COAL)

MDO07A

LOT NUMBER					
PART 2165		PART 2552	PART 2728	PART 2935	
	PART 2400		PART 2731	PART 2954	
PART 2167		PART 2713	PART 2932	PART 3013	
		PART 2726	PART 2933	PART 3045	
		PART 2727	PART 2934		

EXCESS LENGTH	2	H	M	L	E
tonnes		28	22	15	10
VB					
AB					
RA		3	1	1	1
MAX SPEED		50	50	50	50

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
M	D	Ø	M	D	Ø	E			17



TARE - 9000 kg
CARRYING CAPACITY - 21500kg
CAPACITY- 24.830 m ³
MAX. SPEED - 50mile/h.
WHEELS - 952 DIA.
JOURNALS - 254 x 127 PLAIN BEARINGS

BUFFERS - SELF CONTAINED 406 DIA. HEADS.
COUPLINGS - INSTANTER.
MIN. CURVE - 26m.
GEN. ARRGT. DRG. No. - F-S-6550.
BRAKE - HAND LEVER.
SUSPENSION - SHOE.

ISSUE 2.
EX. B.R. DIAGRAM I/107 (ALLOCATED)

OPEN WAGON - MINERAL

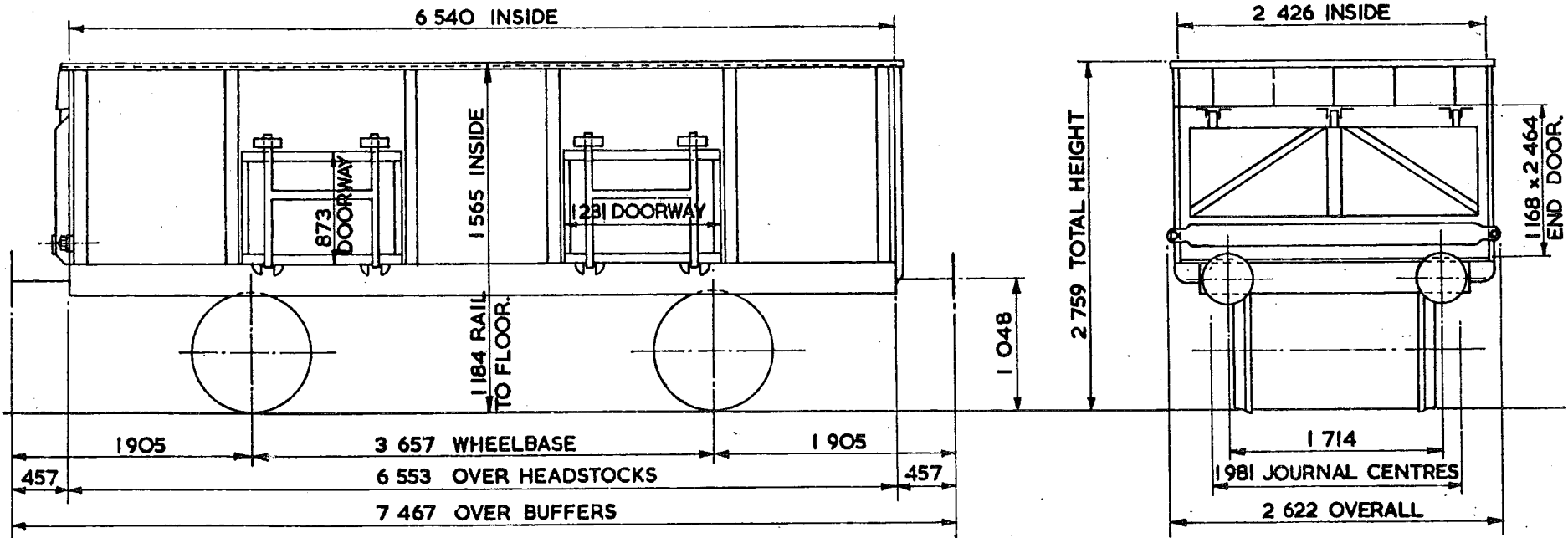
(REBODIED EX HOPPER COAL)

MD 007E

LOT NUMBER				
	PART 2727	PART 2935	PART 3033	PART 3045
	PART 2731	PART 3013	PART 3034	PART 3120
PART 2552	PART 2932	PART 3030	PART 3035	PART 3121
PART 2713	PART 2933	PART 3031	PART 3036	PART 3157
PART 2726	PART 2934	PART 3032	PART 3037	

EXCESS LENGTH	H	M	L	E
TONNES	28	22	15	10
VB				
AB				
RA	3	1	1	1
MAX. SPEED	50	50	50	50

TOPS CODE				
CARKND	AARKND	OPERATING PANEL No.		
M	D	Ø	M	D
Ø	E			17



TARE --	9000kg.
CARRYING CAPACITY -	21500kg.
CAPACITY -	24330m ³
MAX. SPEED --	50mile/h
WHEELS --	952 DIA.
JOURNALS --	124 DIA.ROLLER BEARINGS

BUFFERS --	SELF CONTAINED 406 DIA.HEADS.
COUPLINGS --	INSTANTER
MIN. CURVE --	26m.
GEN. ARRGT. DRG. No. --	F-S-6550
BRAKE --	HAND LEVER
SUSPENSION --	SHOE

ISSUE 2.
EX. BR. DIAGRAM 1/98 (ALLOCATED)

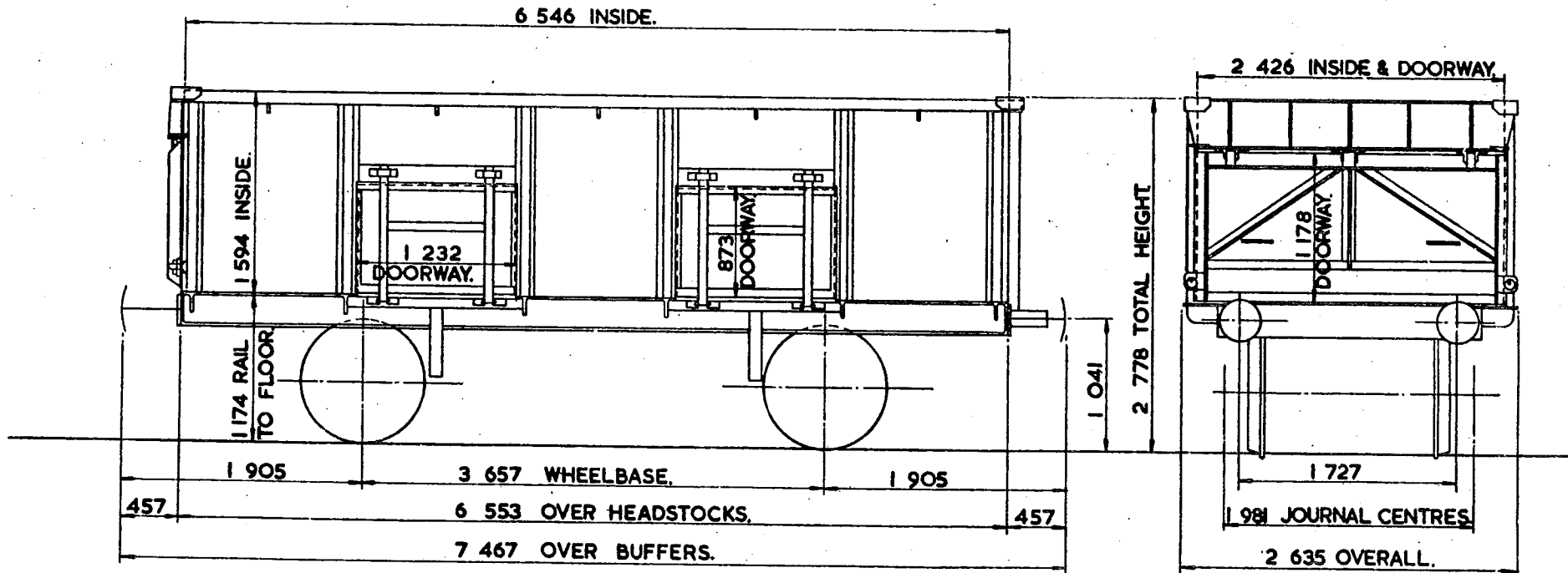
MINERAL WAGON

MDO07F

LOT NUMBER
PART 2191
PART 2192
PART 2193

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
M	D	Ø	M	D	Ø
E					17



TARE -	10250kg.
CARRYING CAPACITY -	21500kg.
CAPACITY -	25.307m ³ .
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. -	RCH 2719.
BRAKE -	HAND LEVER.
SUSPENSION -	SHOE.

issue 2

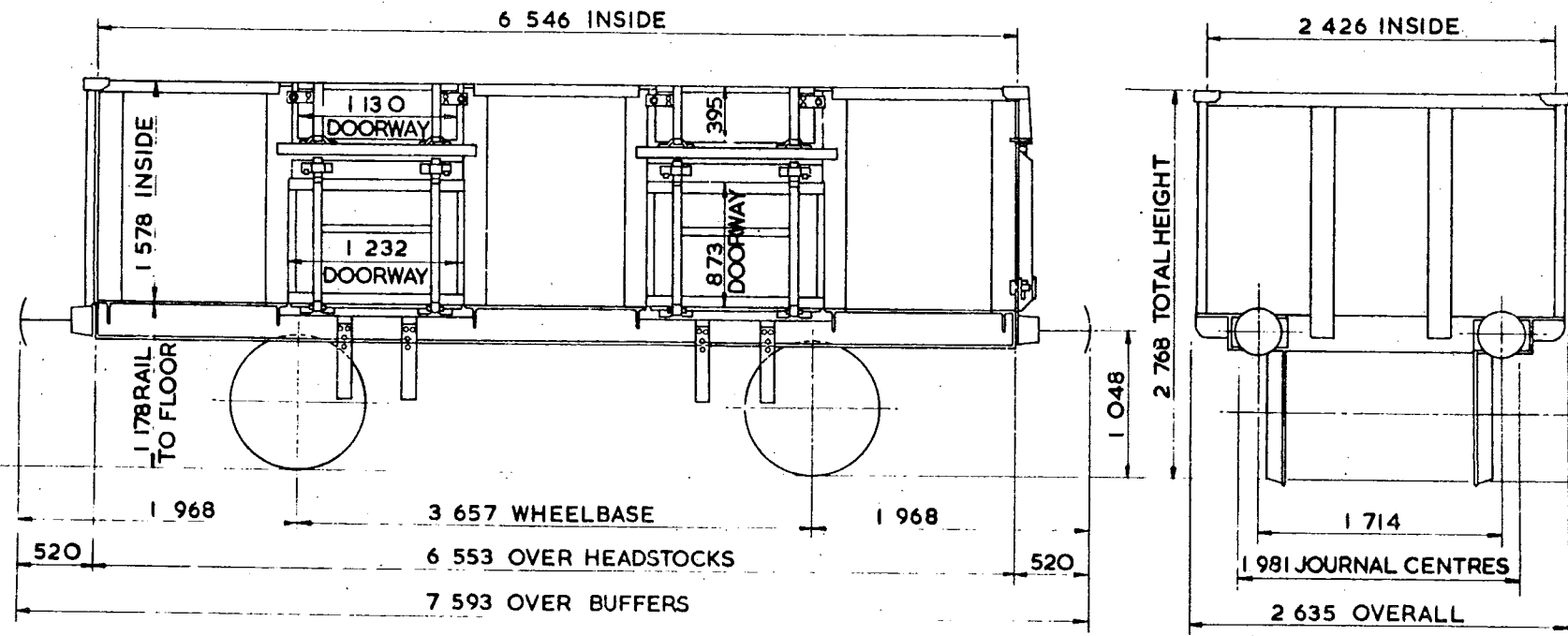
MINERAL WAGON

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	E	
							29



TARE	11 400kg
CARRYING CAPACITY-	21 500kg
CAPACITY -	25.06m ³
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

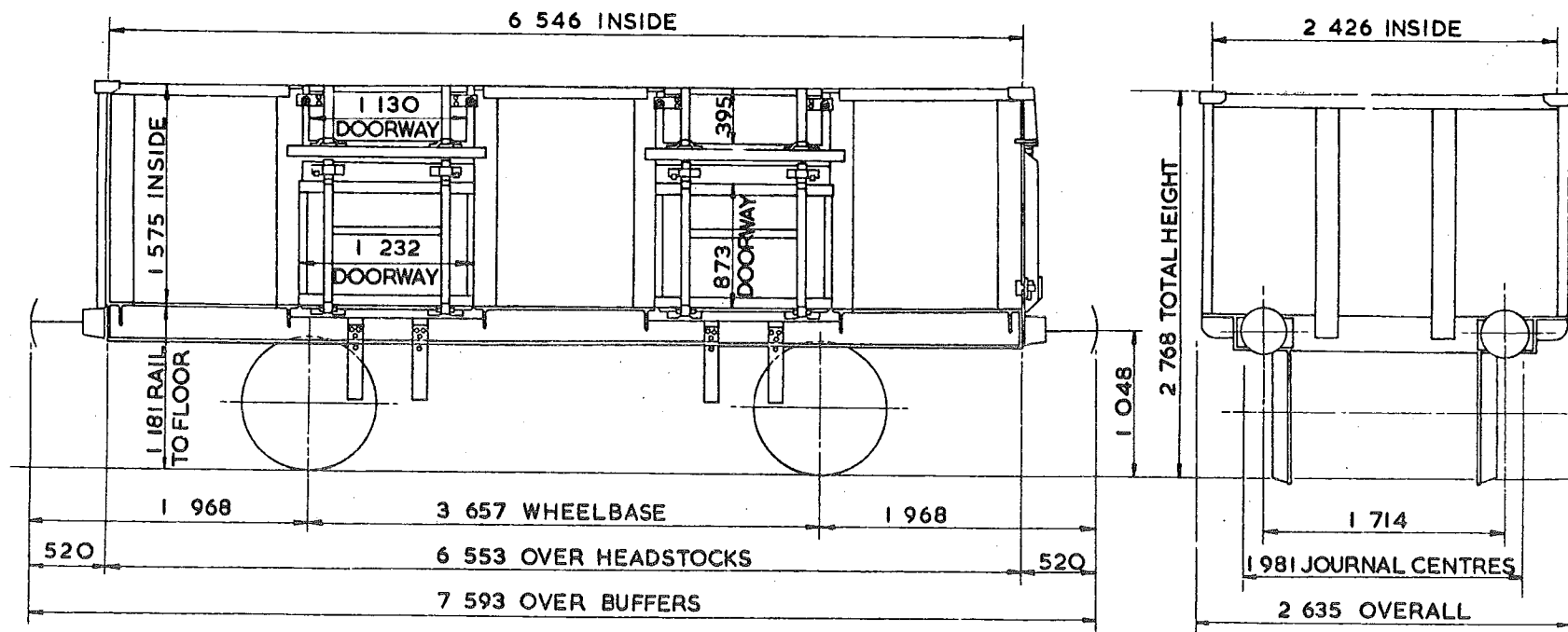
MINERAL WAGON

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
					2 9



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

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

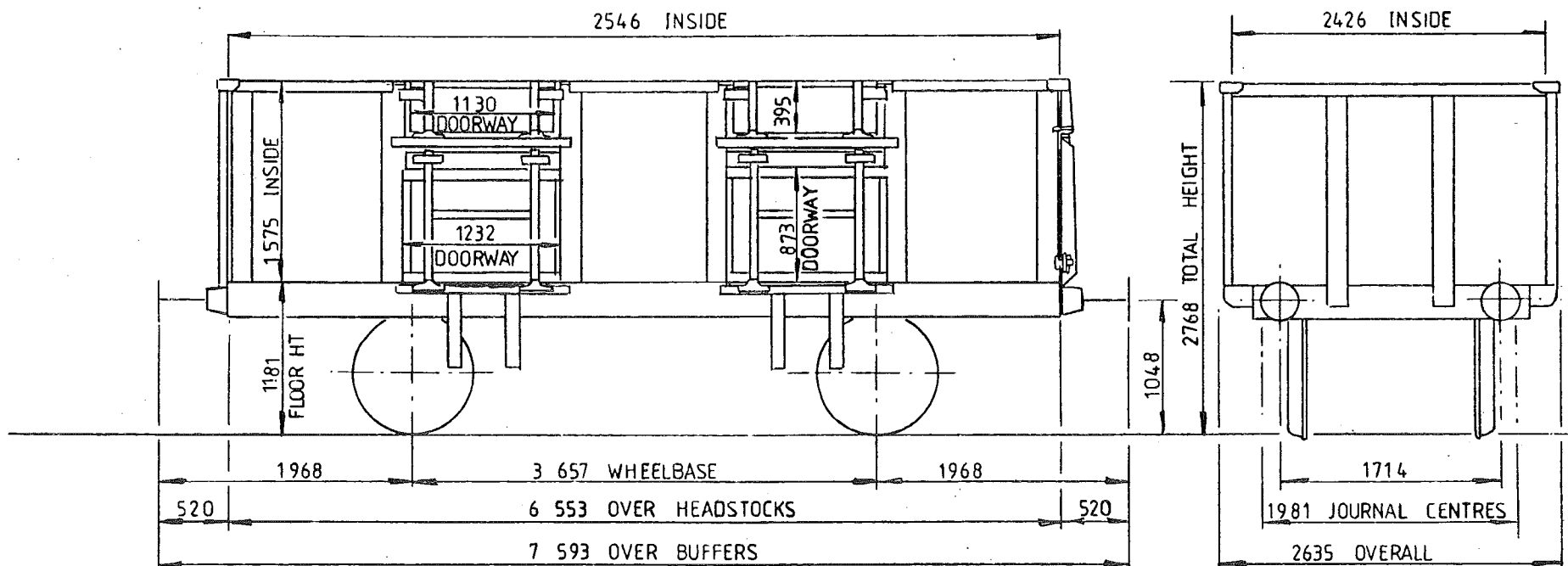
issue 1

MINERAL WAGON

MD008D

LOT NUMBER	
3387	

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		6t EMPTY		
M D W E			mile/h ABOVE				12t LADEN	2	3



TARE-	11 200 kg
CAPACITY, WEIGHT-	21 500 kg
CAPACITY, VOLUME-	27.218 m ³
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

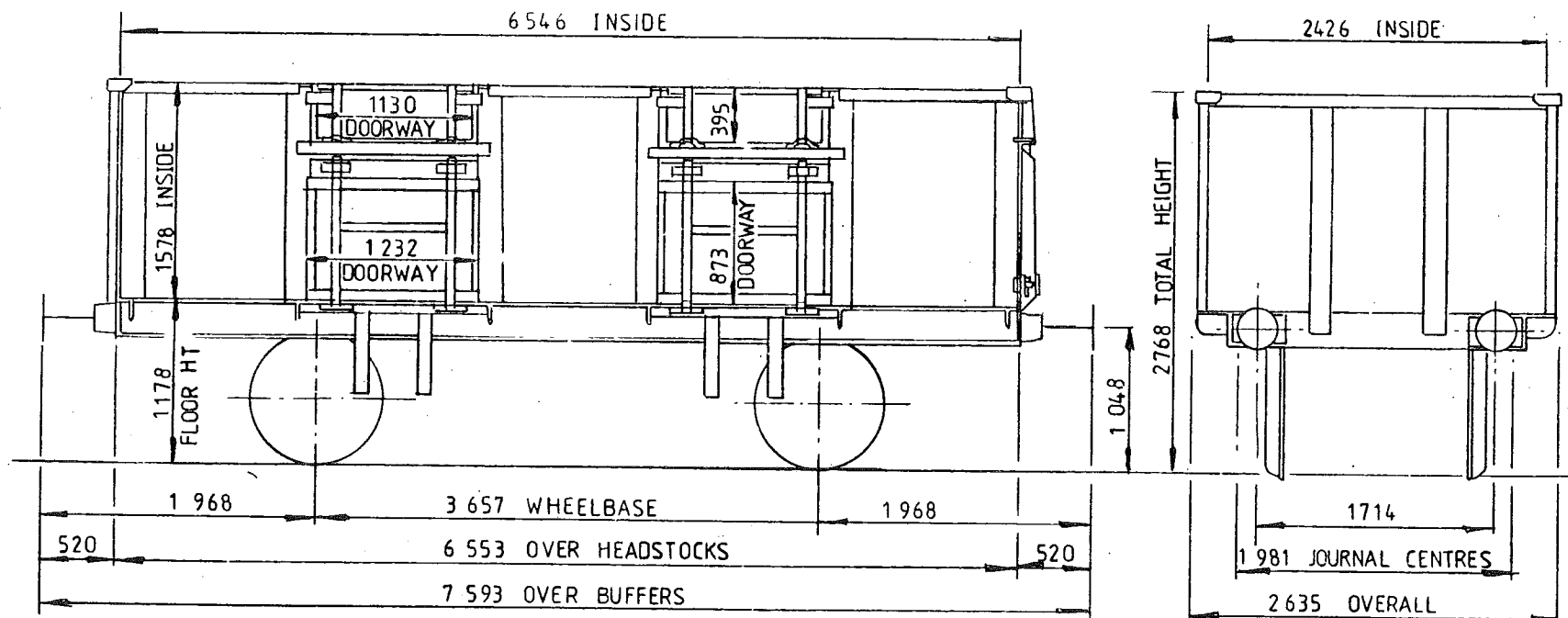
EX. BR. DIAGRAM 119

MINERAL WAGON

MD008E

LOT NUMBER	
3390	

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



TARE-	11 400 kg
CAPACITY, WEIGHT-	21 500 kg
CAPACITY, VOLUME-	25.06 m ³
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

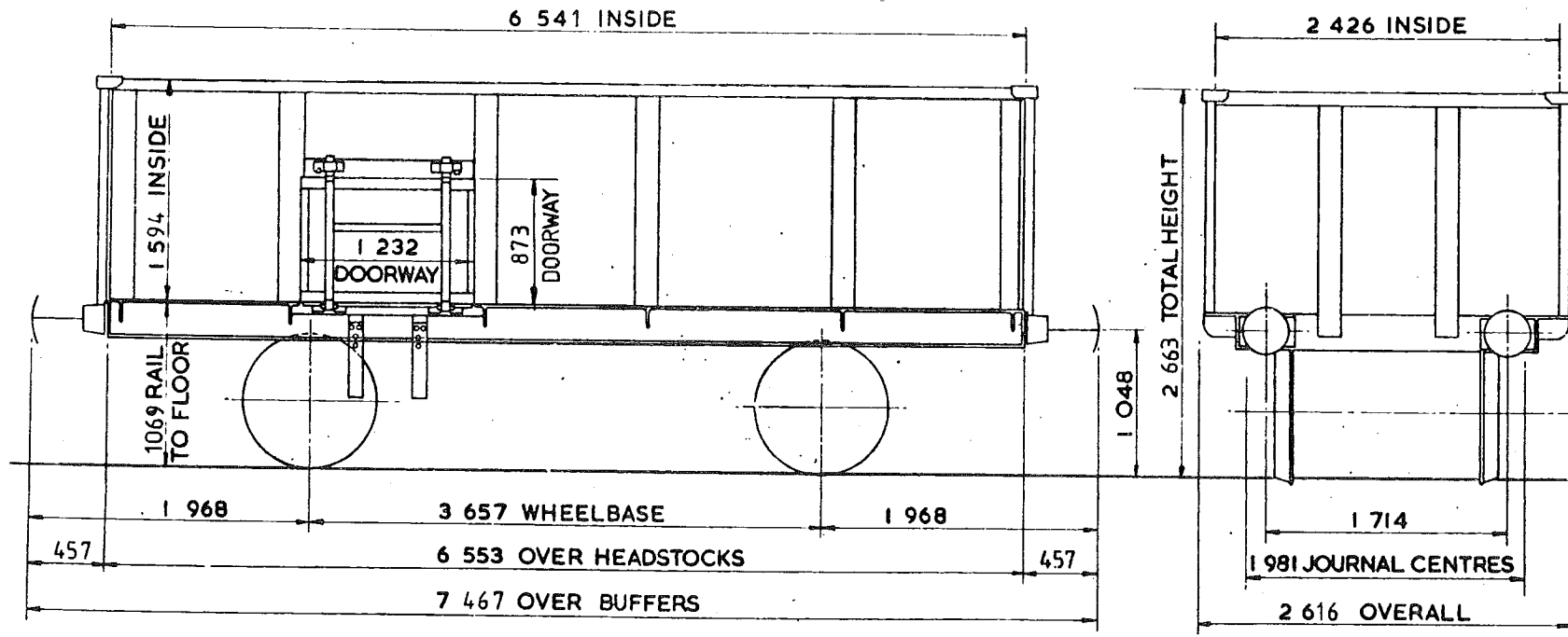
MINERAL WAGON

MDO15F

LOT NUMBER
PART 2190

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No		
M	D	0	M	D	0
R					1
					7



TARE --	11 400kg
CARRYING CAPACITY --	21 500kg
CAPACITY --	25 200m ³
MAX. SPEED --	50 mile/h
WHEELS --	952 DIA.
JOURNALS --	254x127 DIA PLAIN BEARINGS

BUFFERS --	SPINDLE	330 DIA HEADS
COUPLINGS --	INSTANTER	
MIN. CURVE	26 m	
GEN. ARRGT. DRG. No.	F-S-13853	
BRAKE --	HAND LEVER	
SUSPENSION --	SHOE	

Issue 1

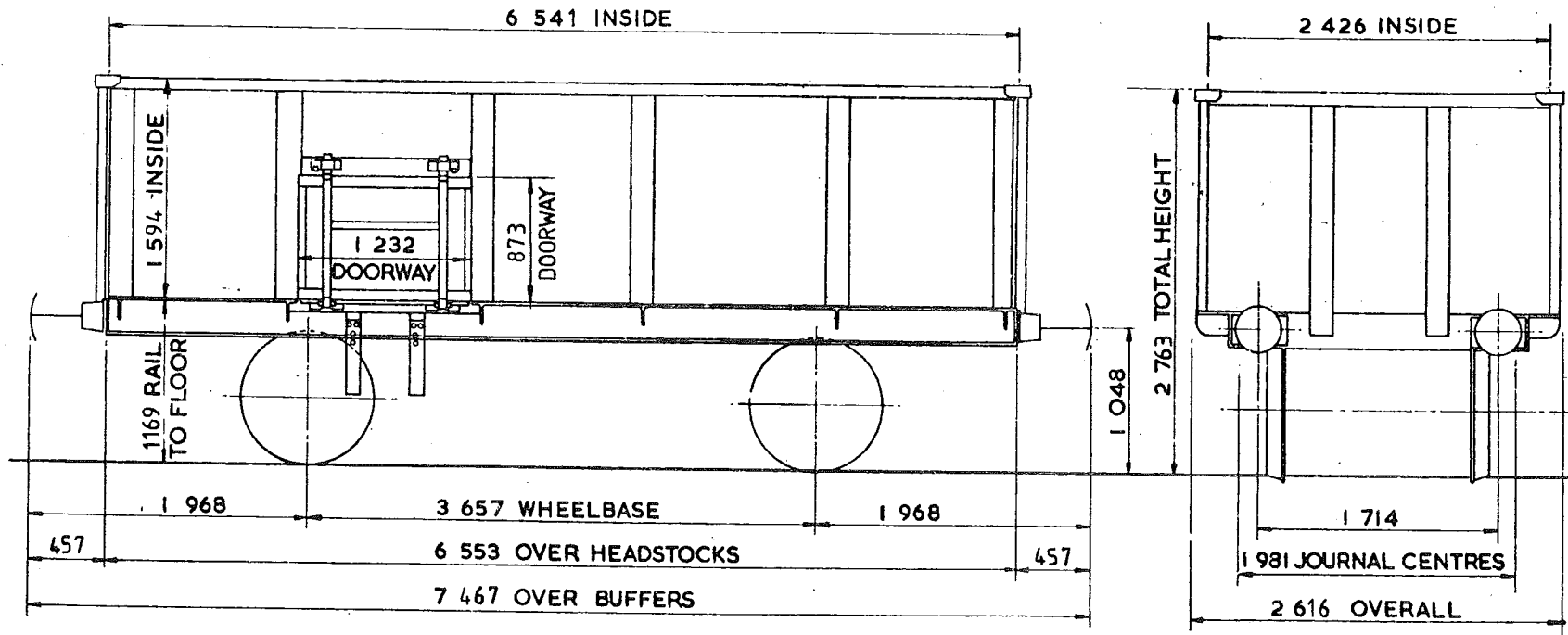
MINERAL WAGON

MDO15E

PART LOT NUMBERS
2190
2191
2192
2193
2600

EXCESS LENGTH	2	H	M	L	E
tonnes		28	22	15	10
VB					
AB					
RA		3	1	1	1
MAX SPEED		50	50	50	50

TOPS CODE										
CARKND			AARKND			OPERATING PANEL No				
M	D	0	M	D	0	R			1	7



TARE --	11 400kg
CARRYING CAPACITY -	21 500kg
CAPACITY -	25200m ³
MAX. SPEED -	50 mile/h
WHEELS -	952 DIA.
JOURNALS -	254x127 DIA PLAIN BEARINGS

BUFFERS -	SPINDLE 330 DIA HEADS
COUPLINGS -	INSTANTER
MIN. CURVE	26m
GEN. ARRGT. DRG. No.	F-S:13853, RCH 2719 U/F
BRAKE -	HAND LEVER
SUSPENSION -	SHOE

Issue 1

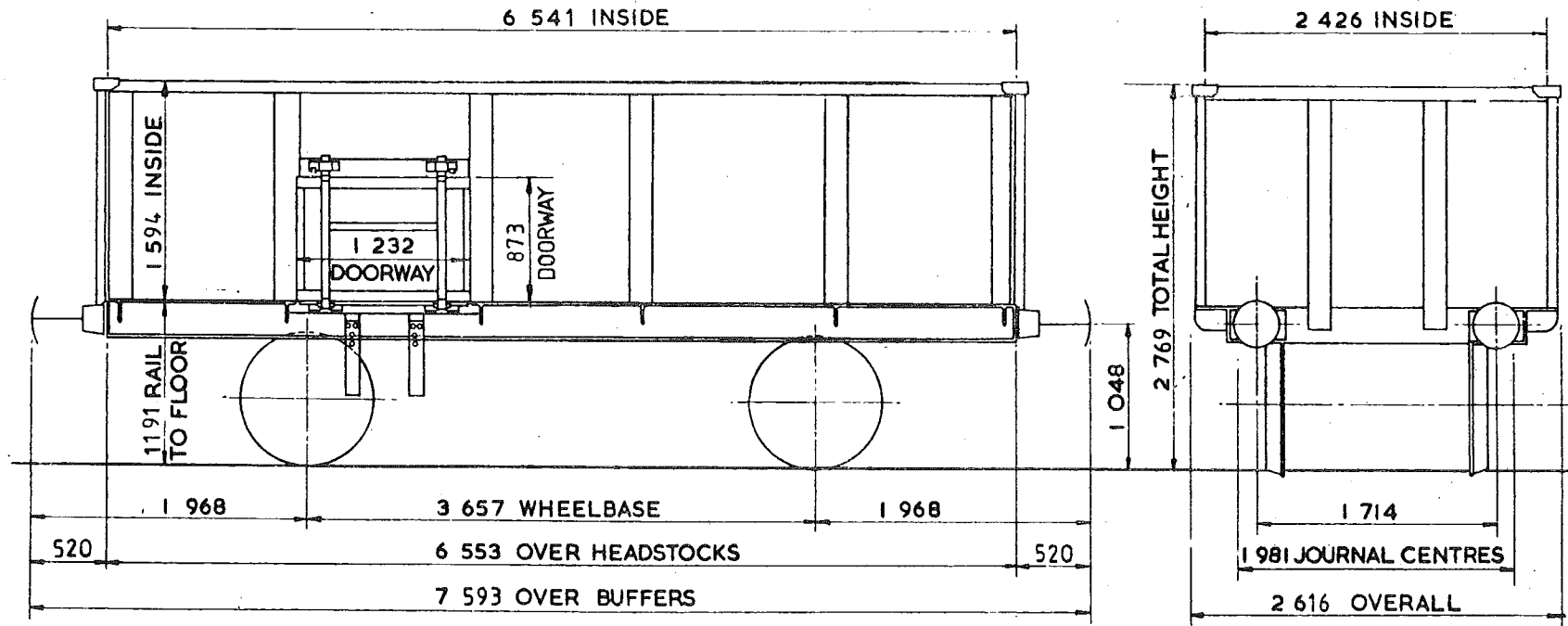
MINERAL WAGON

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
				2	9



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

BUFFERS -	HYDRAULIC 330 DIA HEADS
COUPLINGS -	INSTANTER
MIN. CURVE	26m
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

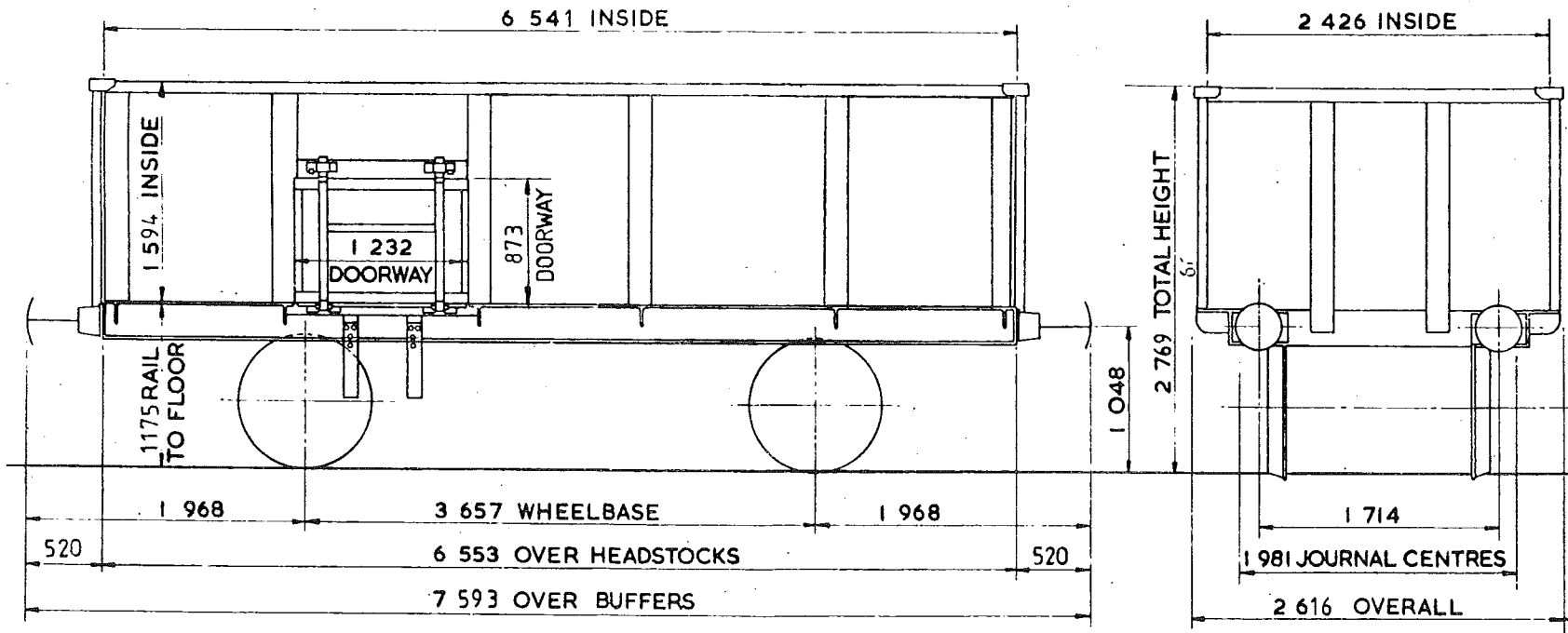
MINERAL WAGON

MDO15H

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 ³
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. ARRG. DRG. No.	F-S-13853, SW-DN-29903
BRAKE	VACUUM BLOCK, HAND LEVER
SUSPENSION	SHOE

Issue 1

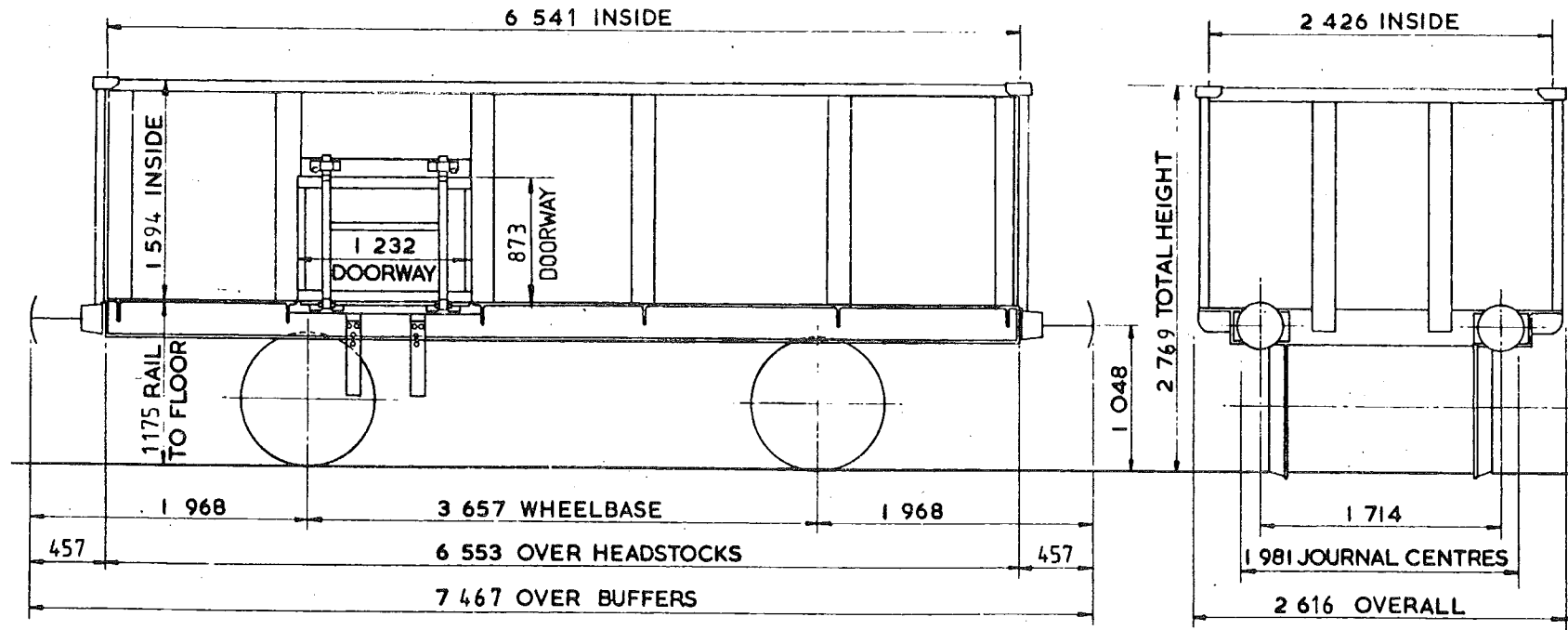
MINERAL WAGON

MD015J

LOT NUMBER
PART 2460
PART 2600
PART 2602

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No.		
M D 0	M D 0	R			1 7



TARE -	11 400kg
CARRYING CAPACITY -	21 500kg
CAPACITY -	25200m ³
MAX. SPEED -	50 mile/h
WHEELS -	952 DIA.
JOURNALS -	254 x 127 DIA PLAIN BEARINGS

BUFFERS -	SPINDLE 330 DIA HEADS
COUPLINGS -	INSTANTER
MIN. CURVE	26m
GEN. ARRGT. DRG. No.	F-S-13853, SW-DN-41.
BRAKE -	HAND LEVER
SUSPENSION -	SHOE

Issue 1

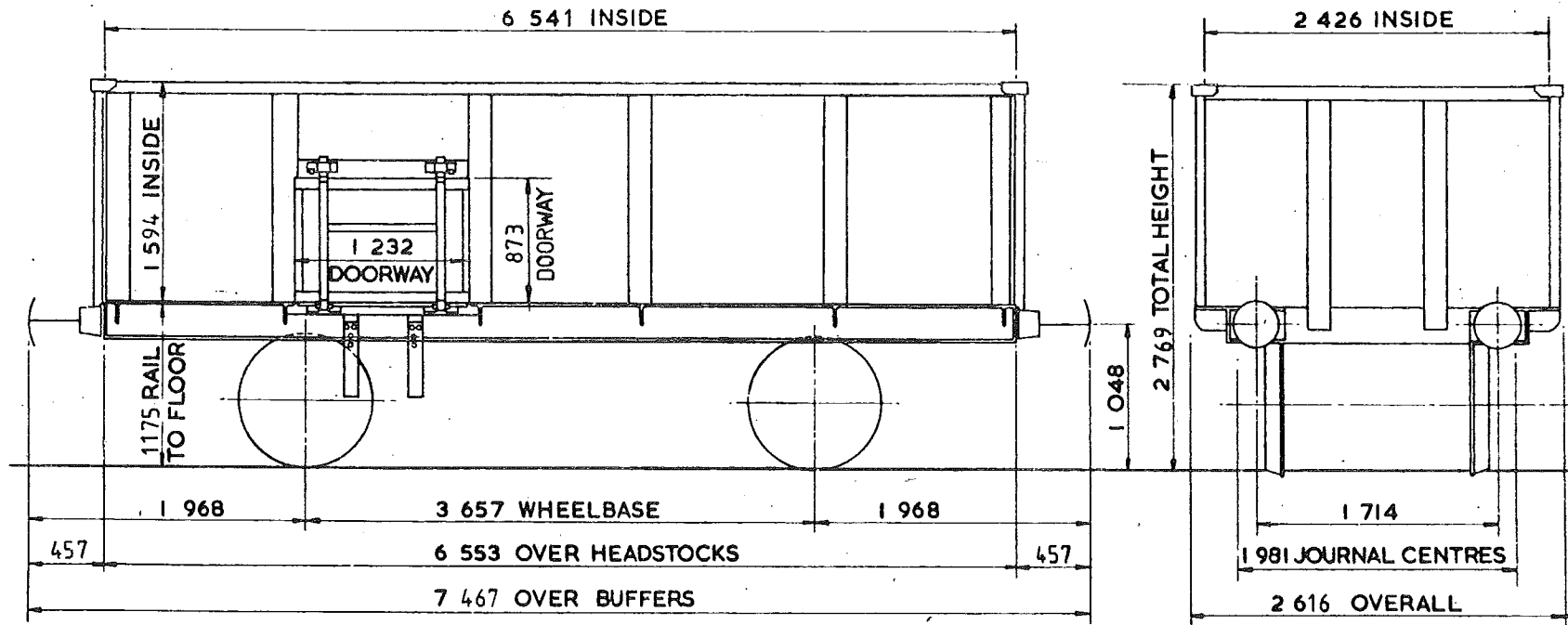
MINERAL WAGON

MDO15L

LOT NUMBER
PART 2460
PART 2600
PART 2602

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
M	D	0	M	D	0
R				1	7



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

BUFFERS --	SPINDLE	330 DIA HEADS
COUPLINGS --	INSTANTER	
MIN. CURVE	26m	
GEN. ARRGT. DRG. No.	F-S-13853, SW-DN-41.	
BRAKE --	HAND LEVER	
SUSPENSION --	SHOE	

Issue 1

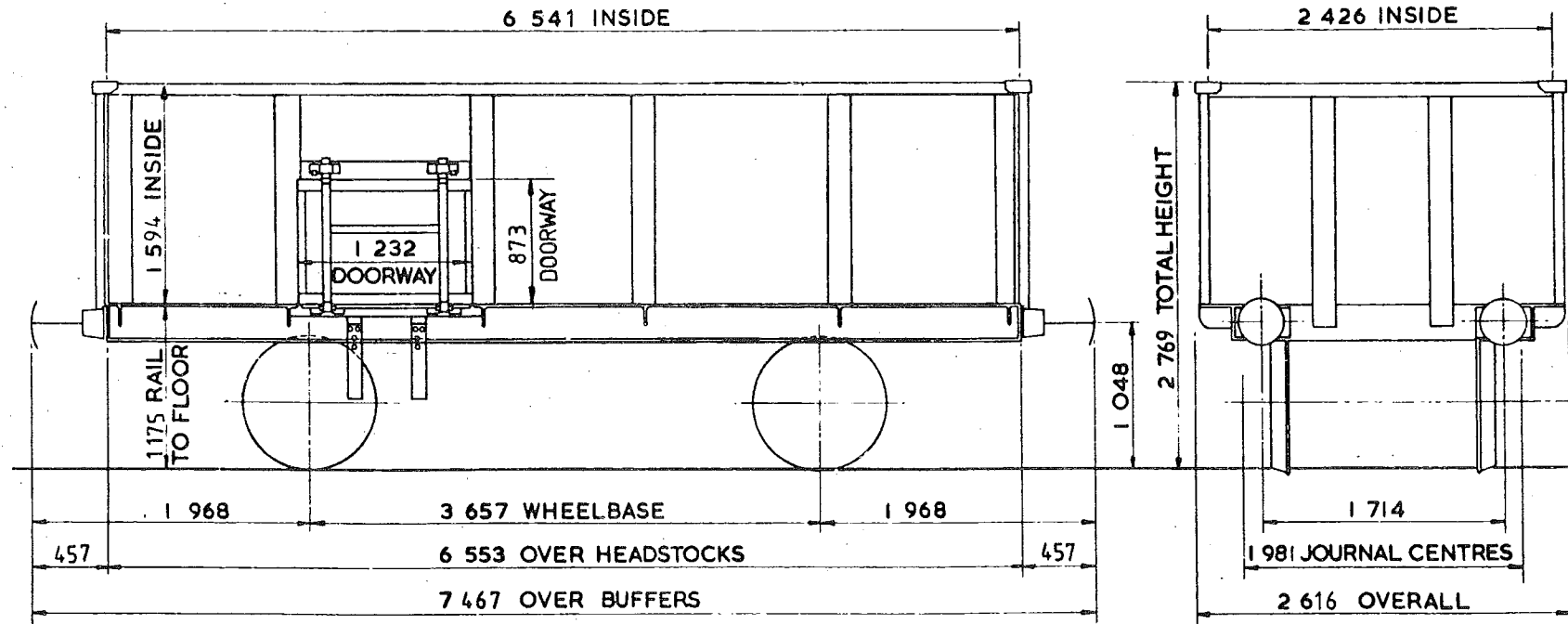
MINERAL WAGON

MDO15M

PART LOT NUMBERS
2600
3244
3302
3388
3427

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No
M D 0	M D 0 R	1 7



TARE -	11 400kg
CARRYING CAPACITY -	21 500kg
CAPACITY -	25 200m ³
MAX. SPEED -	50 mile/h
WHEELS -	952 DIA.
JOURNALS -	124 DIA. ROLLER BEARINGS

BUFFERS	SPINDLE 330 DIA HEADS
COUPLINGS	INSTANTER
MIN CURVE	26m
GEN. ARRGT. DRG. No.	F-S-13853, DN-27924.
BRAKE	HAND LEVER
SUSPENSION	SHOE

Issue 1

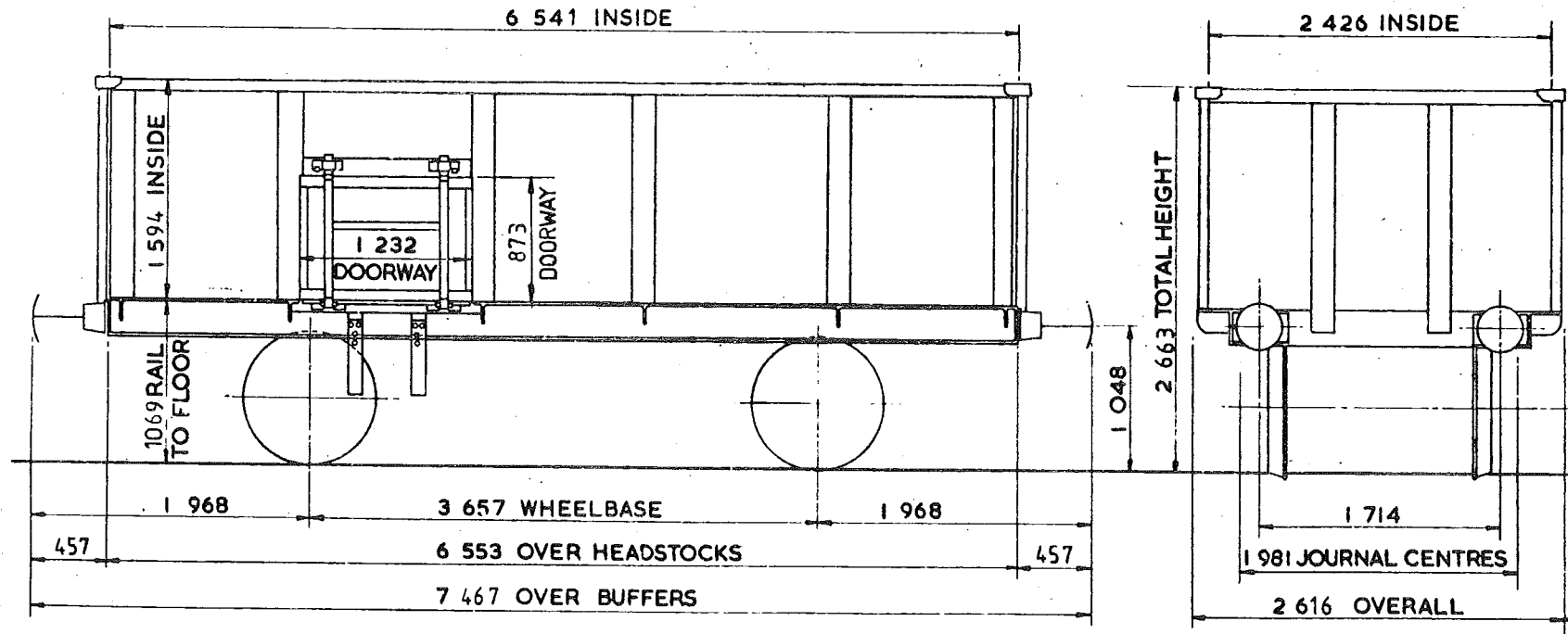
MINERAL WAGON

MD015N

LOT NUMBER
PART 2191
PART 2192
PART 2193

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
M	D	0	M	D	0
			R		
					17



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

BUFFERS -	SPINDLE 330 DIA HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	26m
GEN. ARRG. DRG. No.	F-S-13853, RCH 2715 or 2716.
BRAKE -	HAND LEVER:
SUSPENSION -	SHOE

Issue 1

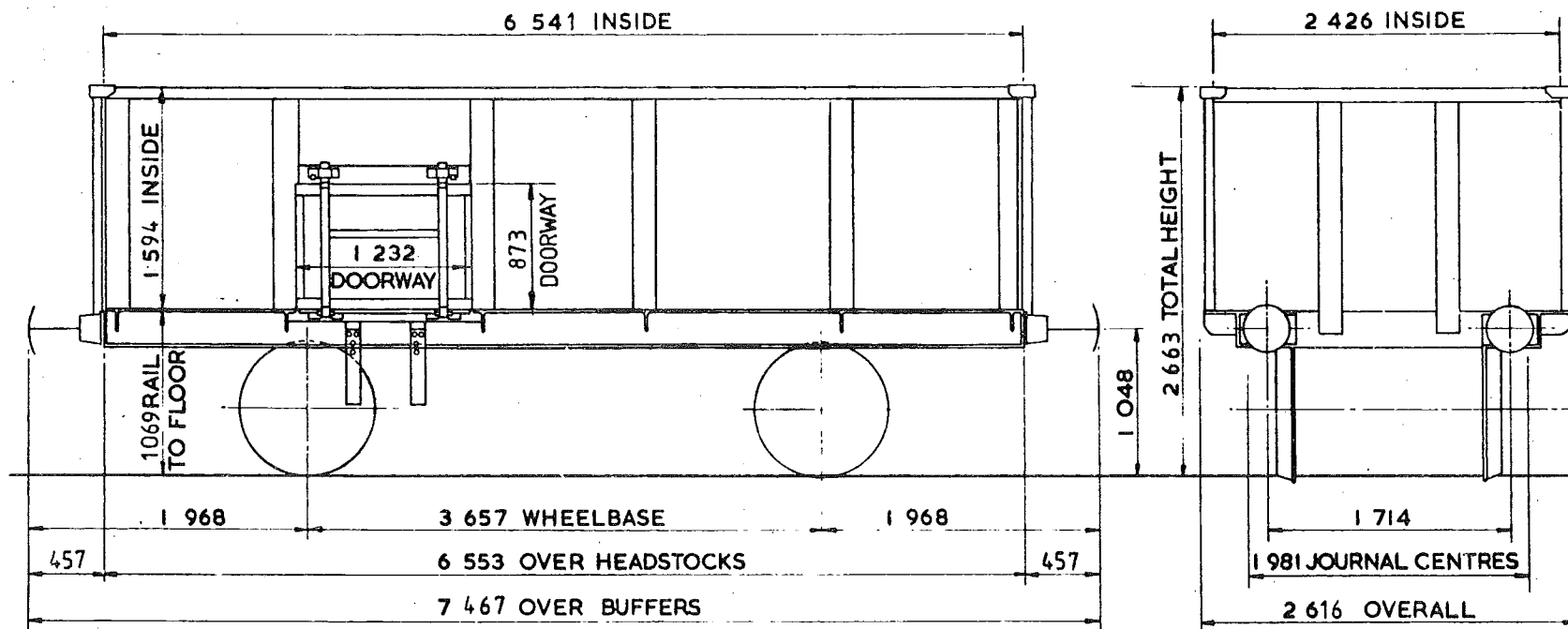
MINERAL WAGON

MD015P

LOT NUMBER
PART 2190

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No		
M D 0	M D 0	R			1 7



TARE -	11 400kg
CARRYING CAPACITY -	21 500kg
CAPACITY -	25 200m ³
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-13853, RCH 2715 or 2716.	
BRAKE -	HAND LEVER	
SUSPENSION -	SHOE	

Issue 1

EX. BR. DIAGRAM 1/110

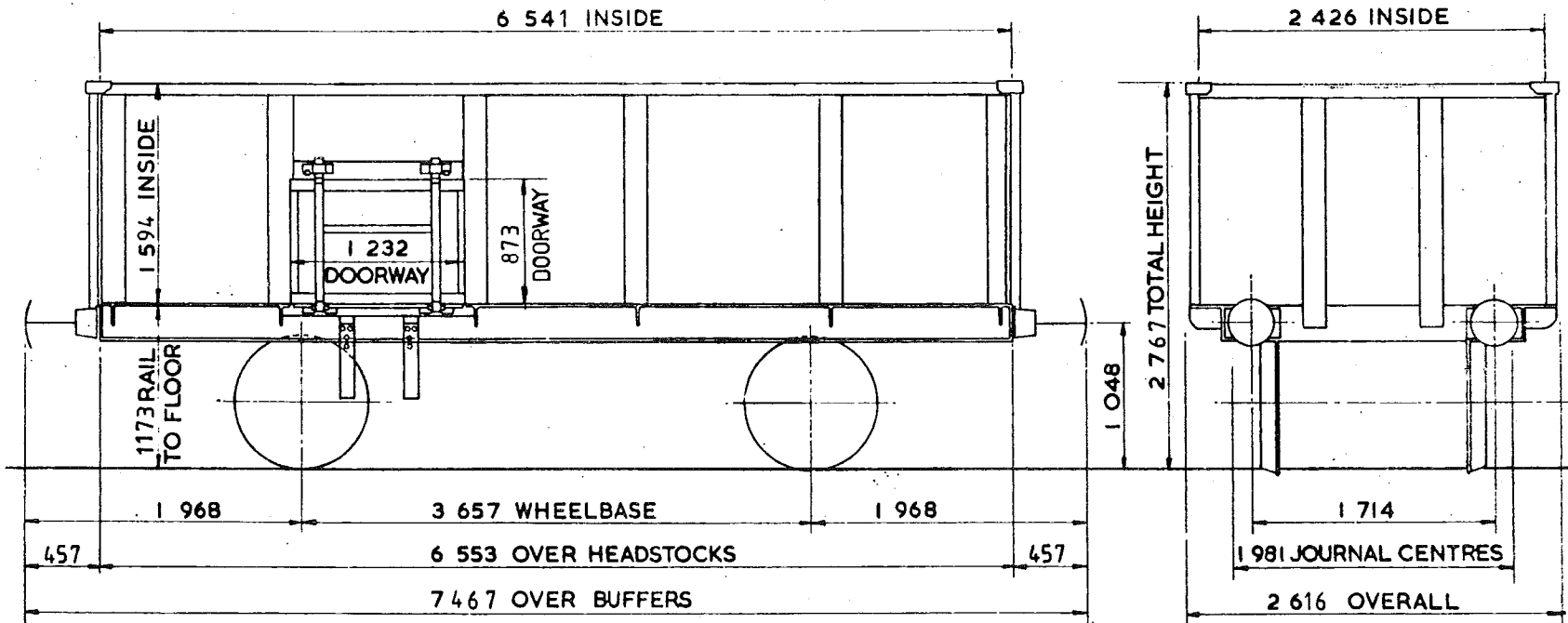
MINERAL WAGON

MD015R

LOT NUMBER
PART 3920

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
M	D	0	M	D	0	R			17



TARE -	11 400kg
CARRYING CAPACITY -	21 500kg
CAPACITY -	25200m ³
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. ARRG. DRG. No. F-S-13853, SW-ES-194.		
BRAKE -	HAND LEVER	
SUSPENSION	SHOE	

Issue 1

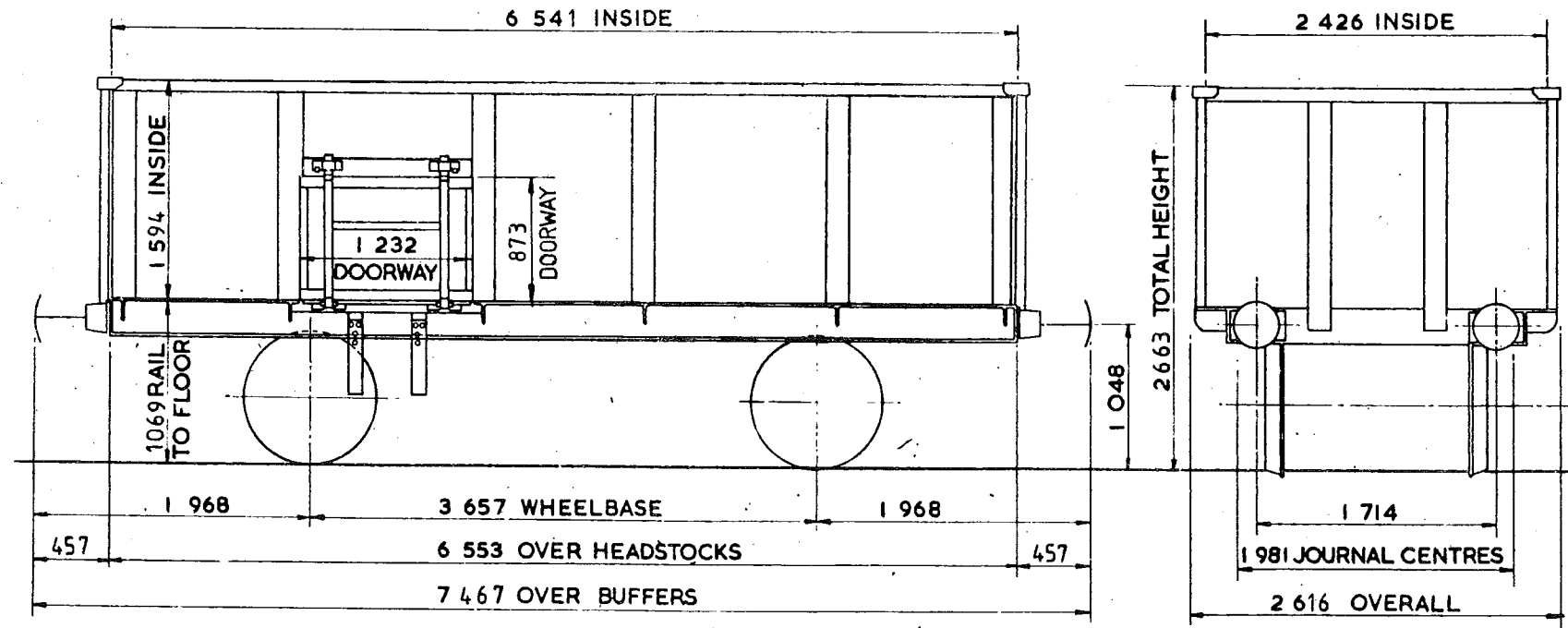
MINERAL WAGON

MD015S

LOT NUMBER
PART 3920

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
M	D	0	M	D	0
			R		
					1 7



TARE -	11 400kg
CARRYING CAPACITY -	21 500kg
CAPACITY -	25 200m ³
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-13853, RCH 2715 or 2716.
BRAKE -	HAND LEVER
SUSPENSION	SHOE

Issue 2

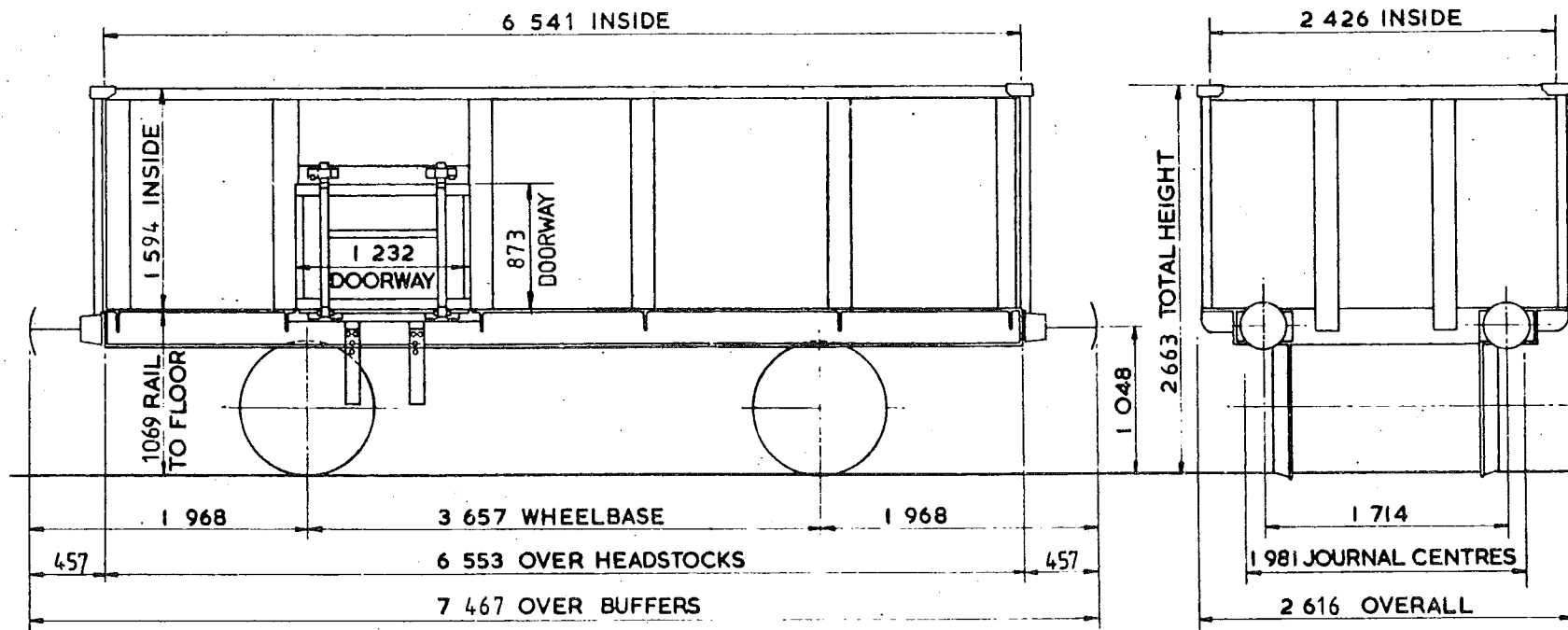
MINERAL WAGON

MDO15T

LOT NUMBER
PART 3920

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No		
M	D	0	M	D	0
			R		
					17



TARE -	11 400kg
CARRYING CAPACITY -	21 500kg
CAPACITY -	25200m ³
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-13853, RCH 2715 or 2716.		
BRAKE	HAND LEVER	
SUSPENSION	SHOE	

Issue 1

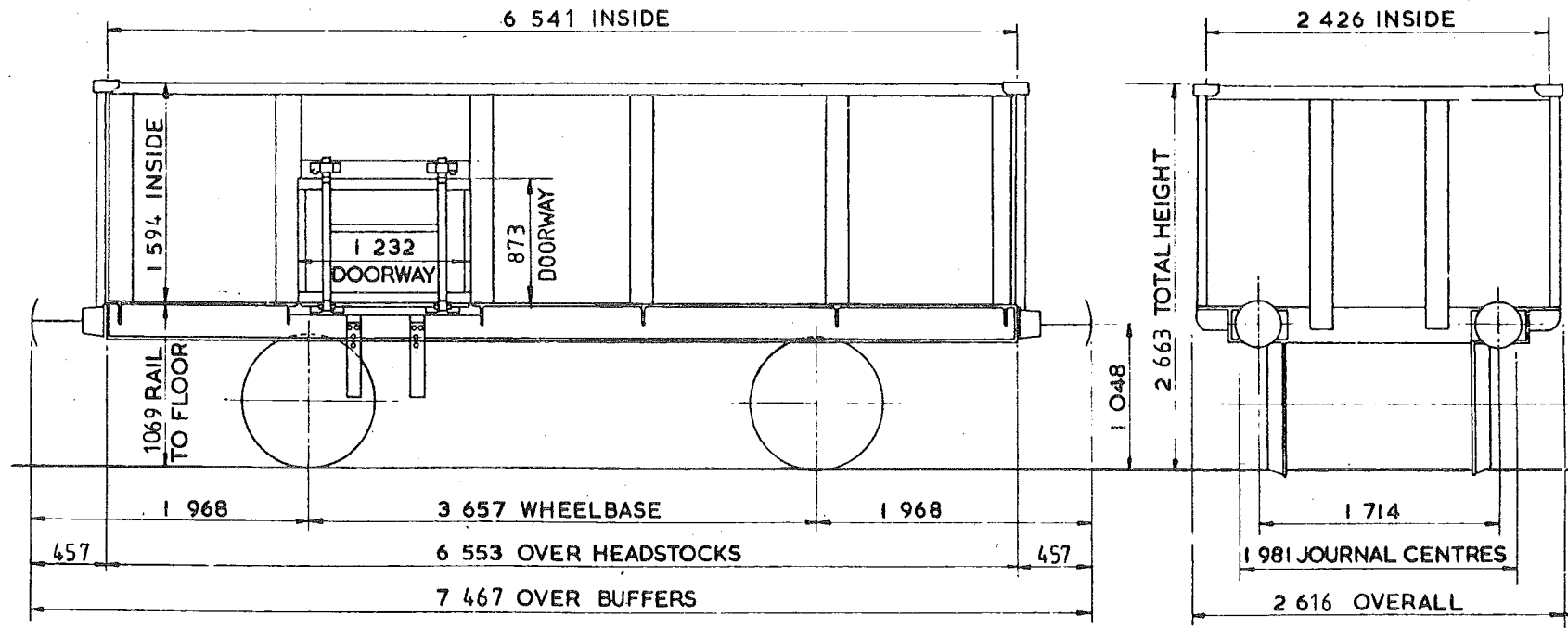
MINERAL WAGON

MDO15U

LOT NUMBER
PART 3920

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
M	D	Ø	M	D	Ø	R			17



TARE -	11 400 ^{kg}
CARRYING CAPACITY -	21 500 ^{kg}
CAPACITY -	25200 ^{m³}
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-13853, RCH 2715 or 2716.	
BRAKE -	HAND LEVER	
SUSPENSION	SHOE	

Issue 1

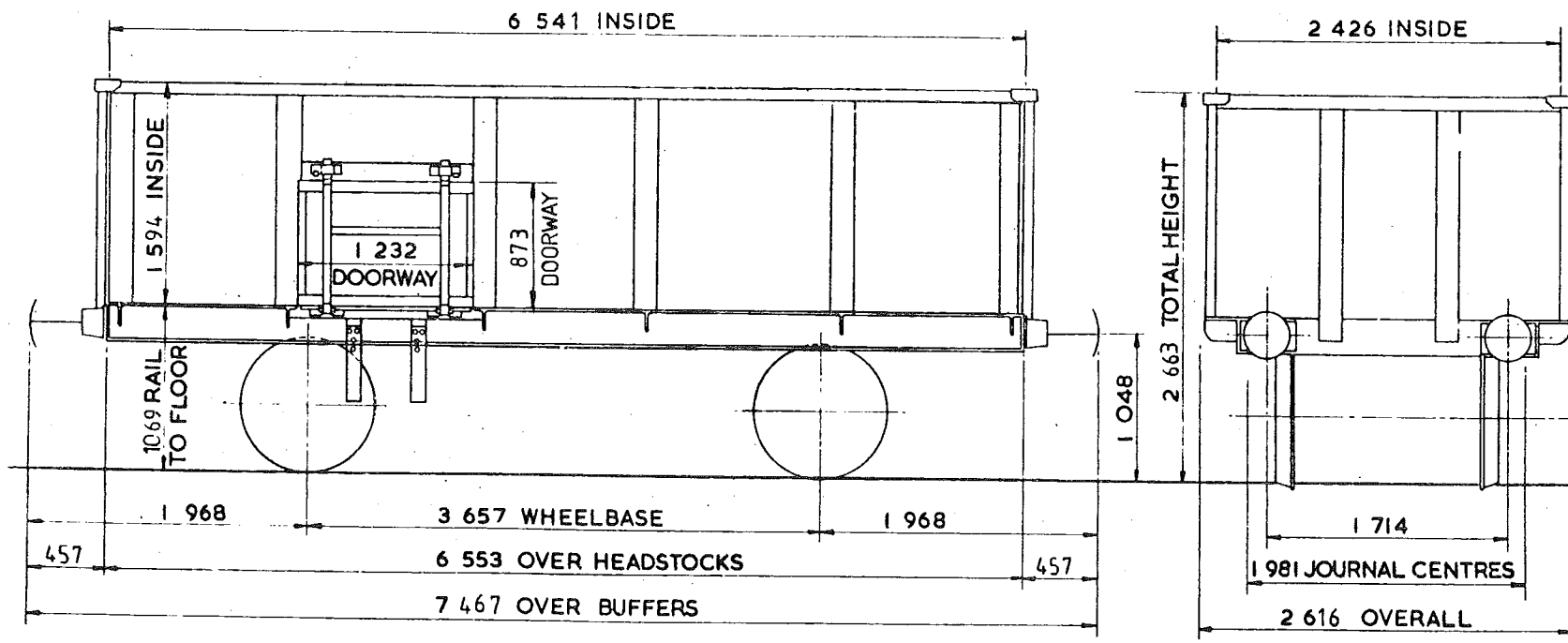
MINERAL WAGON

MDO15V

LOT NUMBER
PART 3920

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
M	D	Ø	M	D	Ø
			R		
				1	7



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

BUFFERS -	SPINDLE 330 DIA HEADS
COUPLINGS -	INSTANTER.
MIN. CURVE	26m.
GEN. ARRGT. DRG. No.	F-S-13853, RCH 2715 or 2716.
BRAKE --	HAND LEVER.
SUSPENSION --	SHOE.

Issue 1

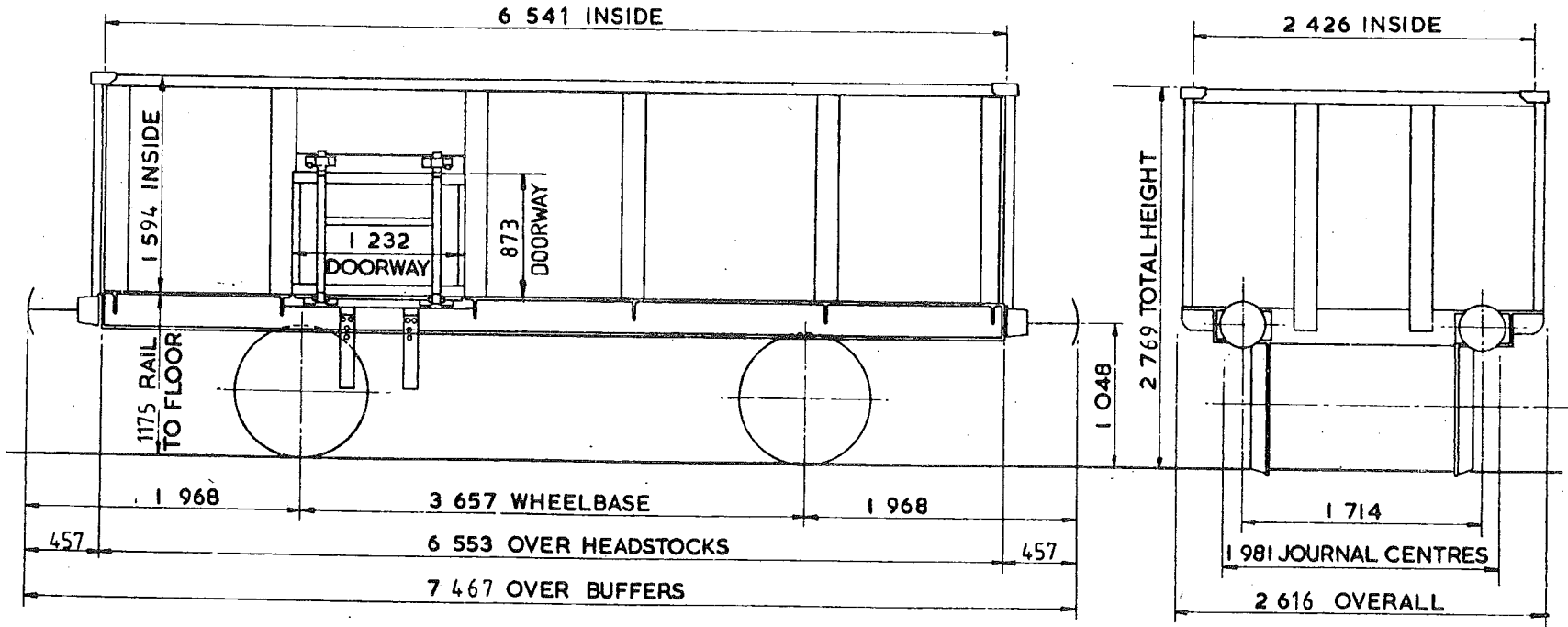
MINERAL WAGON

MD015W

LOT NUMBER
PART 3920

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND			OPERATING PANEL No	
M	D	0	M	D	0
			R		
				1	7



TARE --	11 400kg
CARRYING CAPACITY--	21 500kg
CAPACITY -	25200m ³
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-13853, SW-DN-41.	
BRAKE --	HAND LEVER	
SUSPENSION	SHOE	

Issue 1

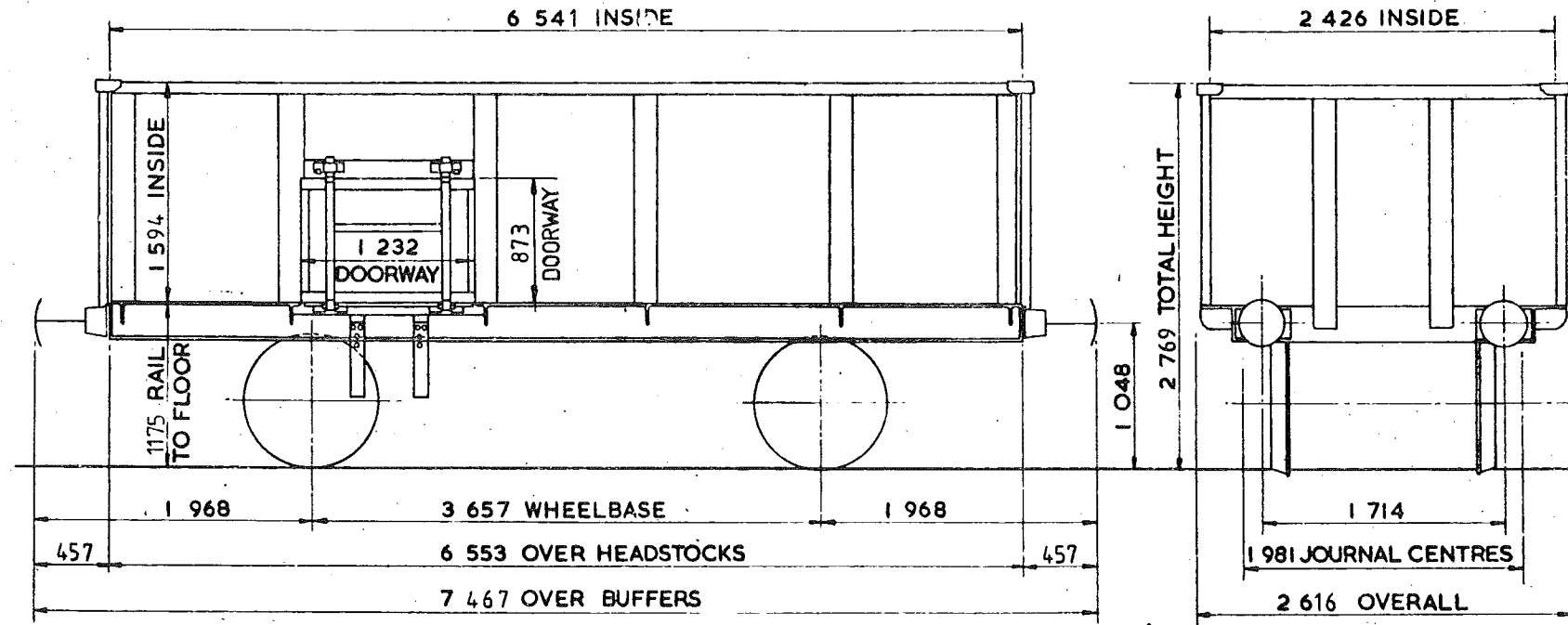
MINERAL WAGON

MD015X

LOT NUMBER
PART 3920

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
M	D	0	M	D	0	R		1	7



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

BUFFERS	SPINDLE	330 DIA HEADS
COUPLINGS -	INSTANTER	
MIN. CURVE	26m	
GEN. ARRGT. DRG. No.	F-S-13853, SW-DN-41.	
BRAKE -	HAND LEVER	
SUSPENSION -	SHOE	

Issue 1

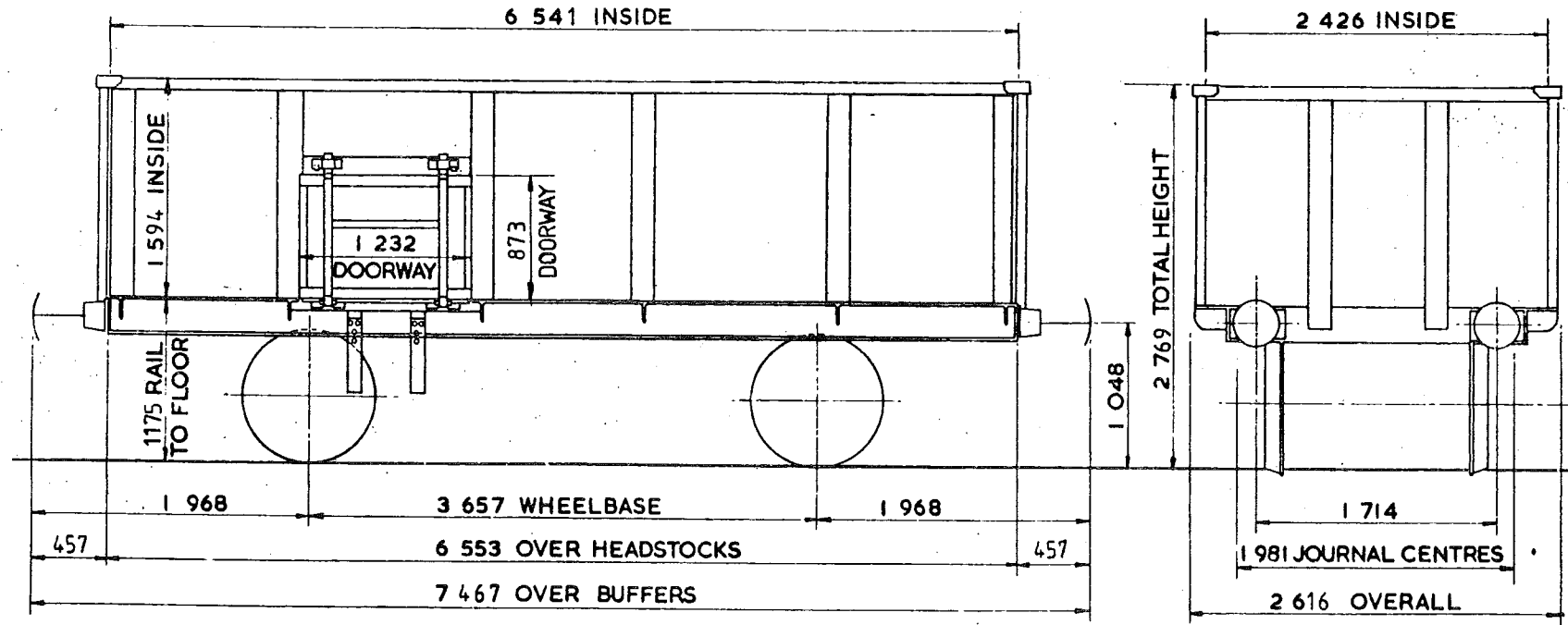
MINERAL WAGON

MDO15Y

LOT NUMBER
PART 3920

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
M	D	0	M	D	0
R					1 7



TARE -	11 400kg
CARRYING CAPACITY -	21 500kg
CAPACITY -	25200m ³
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-13853, DN 27926.
BRAKE -	HAND LEVER
SUSPENSION -	SHOE

Issue 1

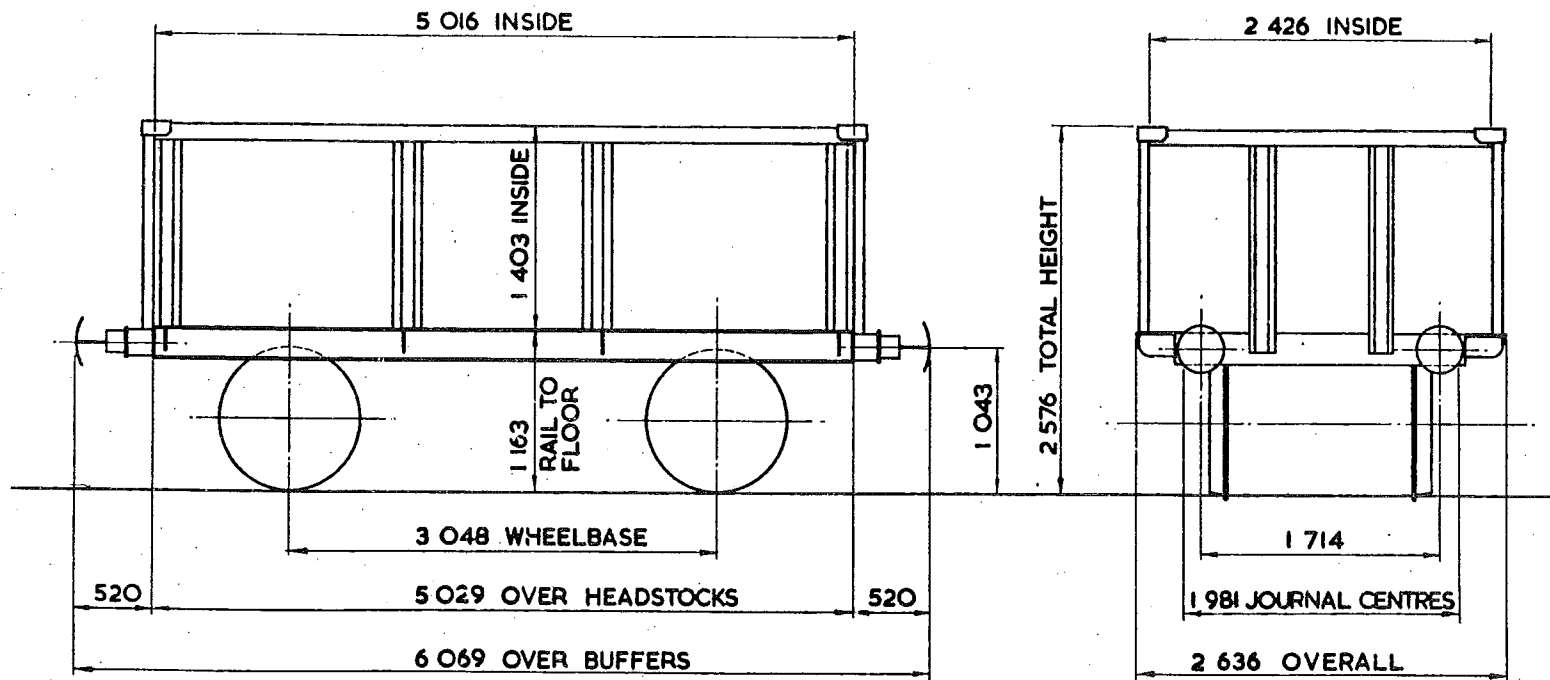
IRONSTONE TIPPLER WAGON

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	45	45	45	45

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



TARE --	8 700kg
CARRYING CAPACITY	26 500kg
CAPACITY	17.072 m ³
MAX. SPEED --	45 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

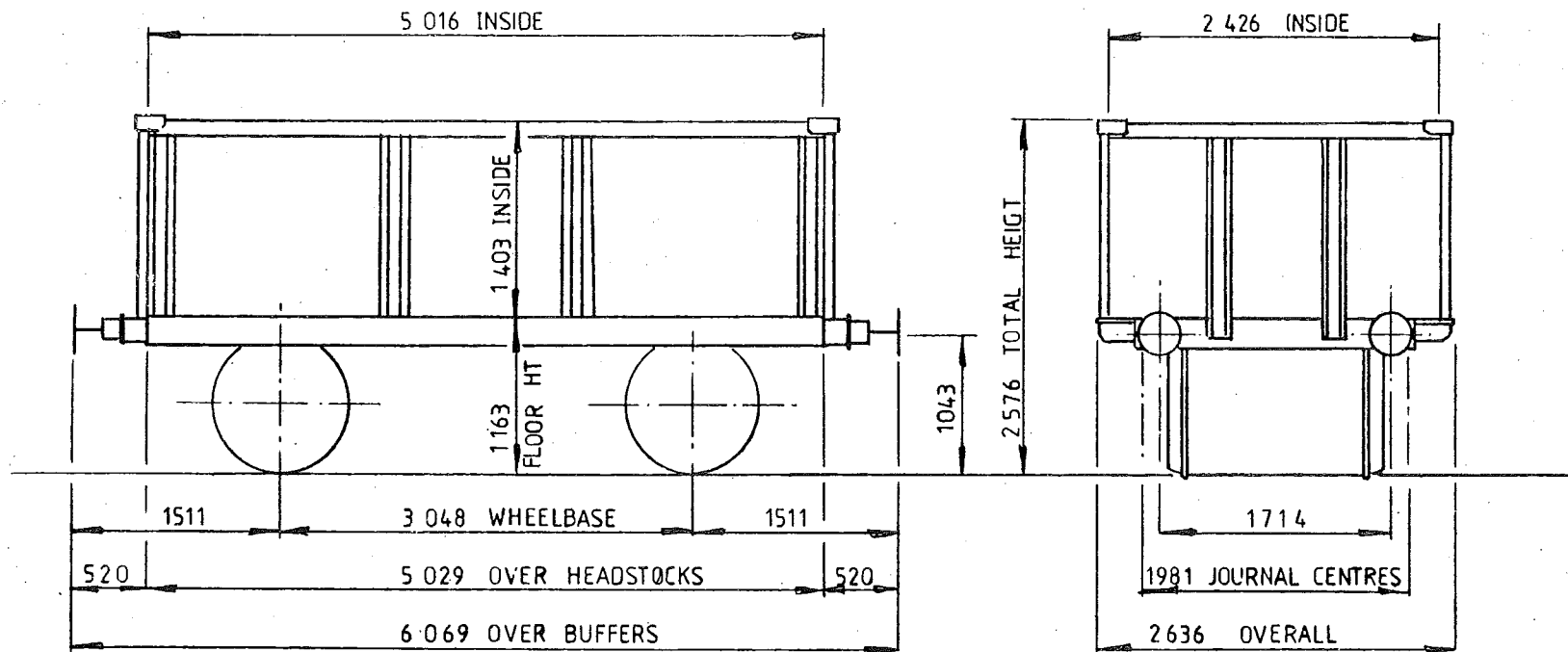
issue 1

IRONSTONE TIPPLER WAGON

MS002E

LOT NUMBER	

TOPS INFORMATION						EXCESS LENGTH	RA (GLW) 4
AARKND	OPERATING PANEL NO.	OPERATING SPEED		BRAKE FORCE DATA			
CARKND	0 1 0 3	45 mile/h UP TO mile/h ABOVE		5t EMPTY 15t LADEN			
M S V T							



TARE -	11 200 kg
CAPACITY, WEIGHT -	26 500 kg
CAPACITY, VOLUME -	17.1 m ³
MIN. CURVE -	21 m
GEN. ARRG'T. DRG. NO. -	DE/35944 DE/34579

BRAKE -	VACUUM BLOCK	HAND LEVER
SUSPENSION -	SHOE	
COUPLINGS -	INSTANTER	
BUFFERS -	HYDRAULIC 330 DIA HEADS	
WHEELS -	952 DIA	
JOURNALS -	254 x 127 ROLLER BEARINGS	

ISSUE 1

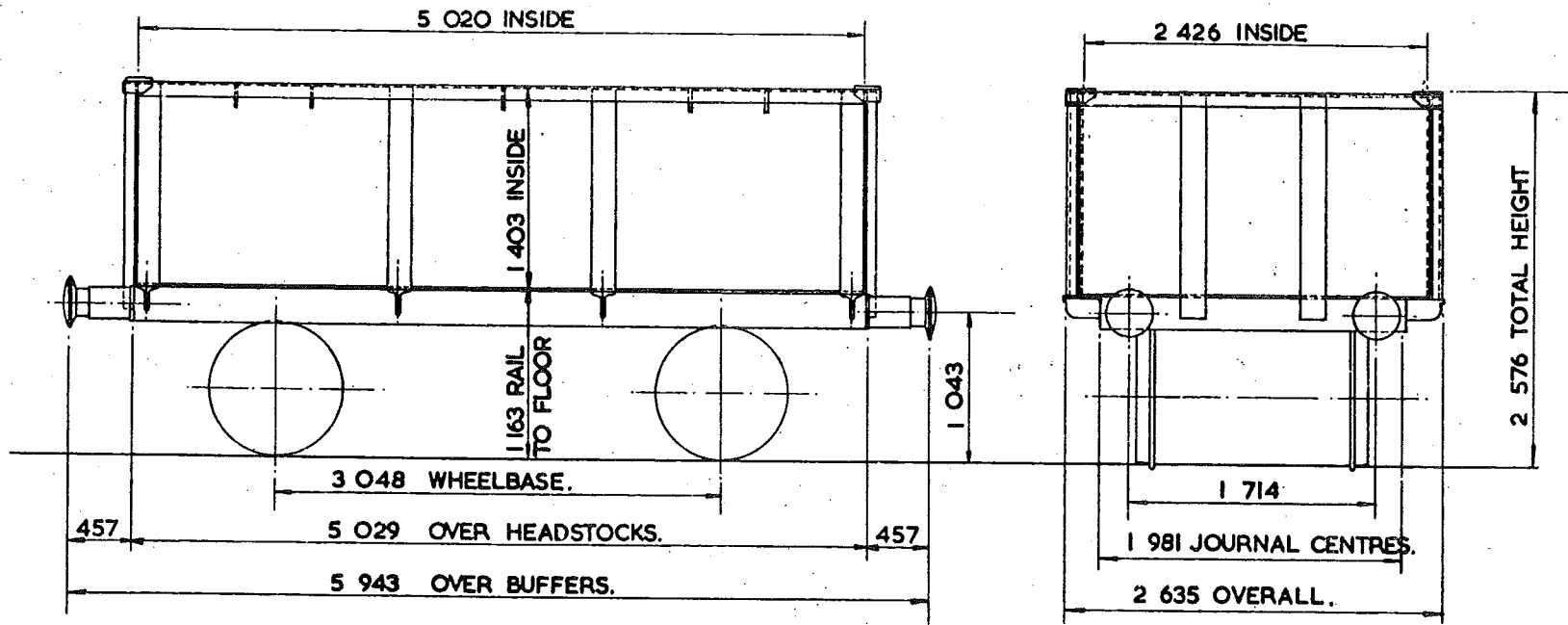
IRONSTONE TIPPLER WAGON

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	45	45	45	45

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



TARE -	9 000 kg.
CARRYING CAPACITY -	26 500 kg.
CAPACITY -	17.196 m. ³
MAX. SPEED -	45 mile/h.
WHEELS -	952 DIA.
JOURNALS -	228x108 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.

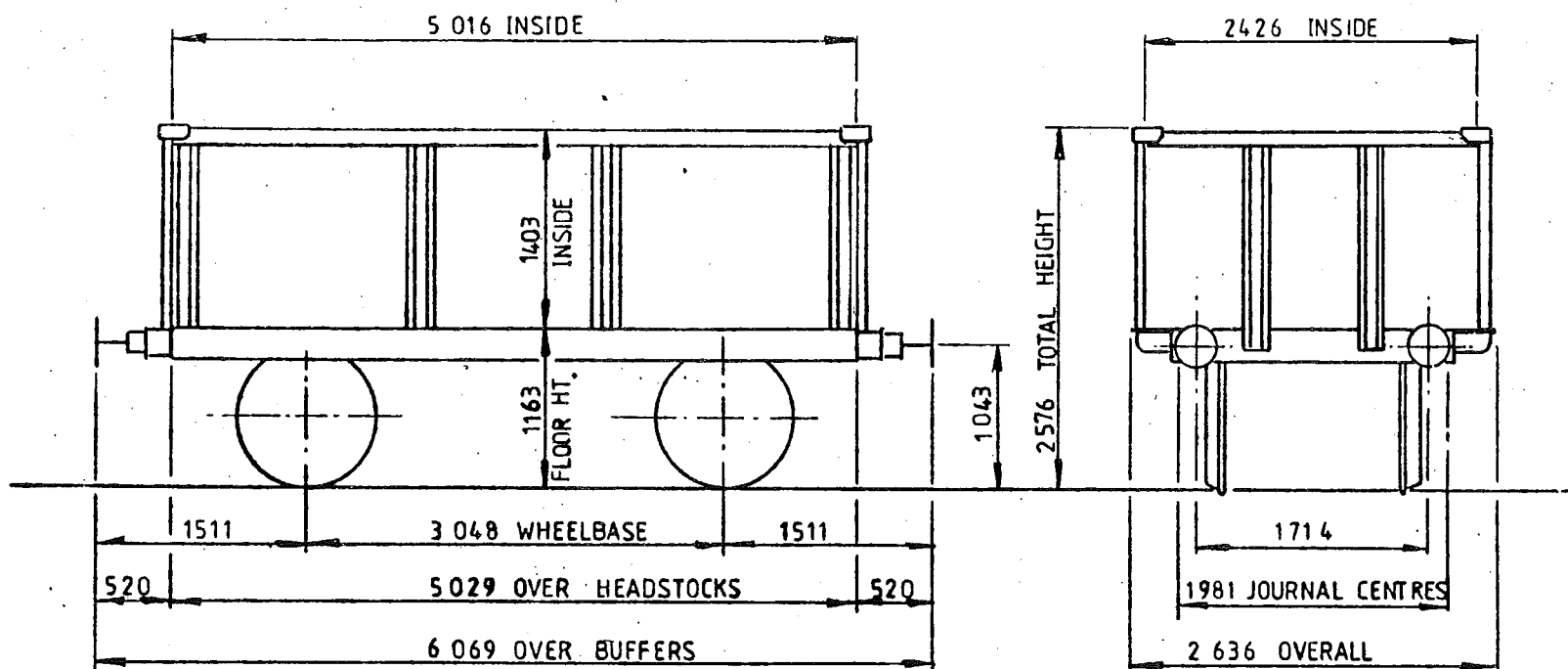
issue 1

IRONSTONE TIPPLER WAGON

MS002N

LOT NUMBER	
3363	

TOPS INFORMATION										
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH	RA (GLW)
CARKND		PANEL NO.		45 mile/h UP TO			5† EMPTY			
M S W T		0 3 8 5		mile/h ABOVE			15† LADEN			4



TARE -	8 700 kg
CAPACITY, WEIGHT -	26 500 kg
CAPACITY, VOLUME -	17.1 m ³
MIN. CURVE -	21 m
GEN. ARRG'T. DRG. No. -	DE/35944 DE/34579

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

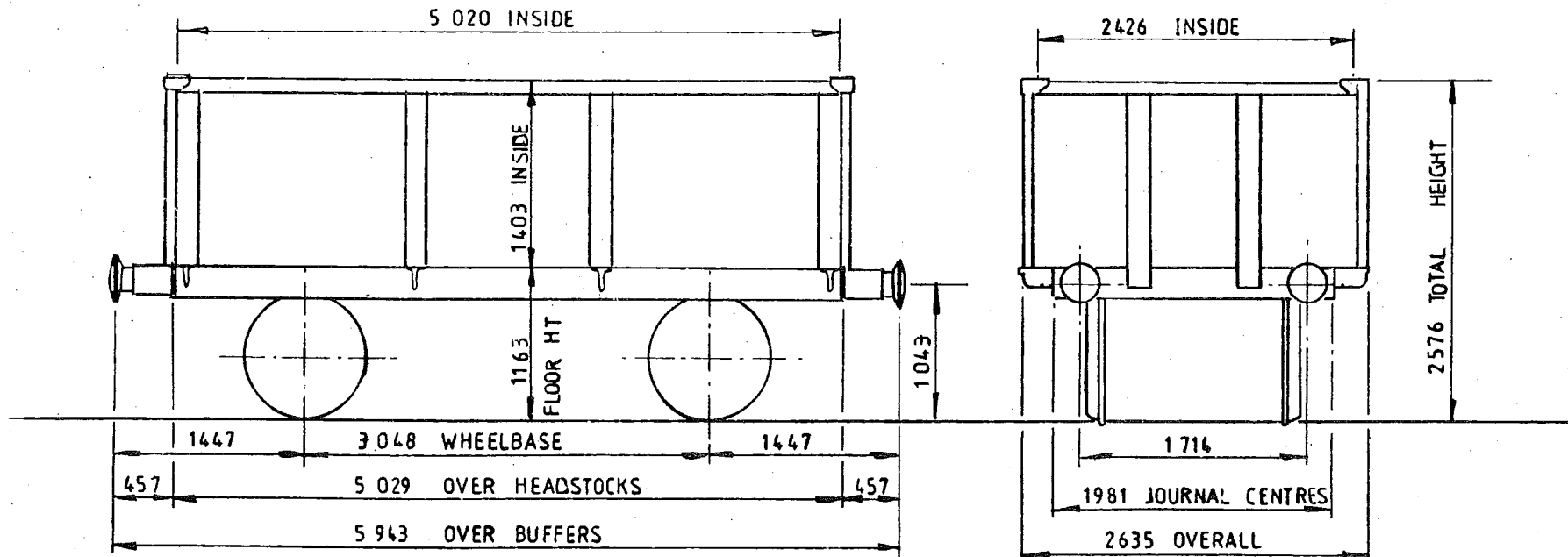
ISSUE 1

IRONSTONE TIPPLER WAGON

MS002Q

LOT NUMBER	
3091	

TOPS INFORMATION							EXCESS LENGTH	RA (GLW)
AARKND	OPERATING PANEL NO.		OPERATING SPEED		BRAKE FORCE DATA			
CARKND	0 3 8 5		45 mile/h UP TO 35.5 tonne GLW.		5† EMPTY 15† LADEN			4
M S W T			mile/h ABOVE					



TARE -	9 000 kg
CAPACITY, WEIGHT -	26 500 kg
CAPACITY, VOLUME -	17.196 m ³
MIN. CURVE -	21m
GEN. ARRGT. DRG. NO. -	DE/34579 DE/35397

BRAKE -	VACUUM BLOCK AIR PIPE HAND LEVER
SUSPENSION -	SHOE
COUPLINGS -	INSTANTER
BUFFERS -	HYDRAULIC 330 DIA HEADS
WHEELS -	952 DIA
JOURNALS -	228 x 108 PLAIN BEARINGS

ISSUE 1

EX. BR. DIAGRAM 1/186

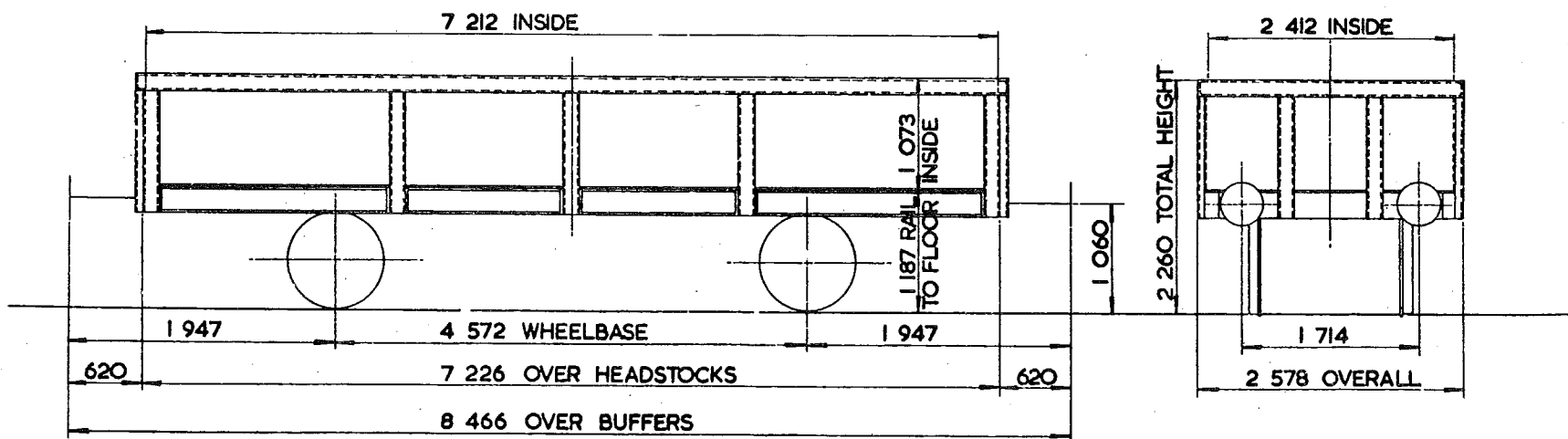
IRONSTONE TIPPER WAGON

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 ³
MAX. SPEED --	45 mlie/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.

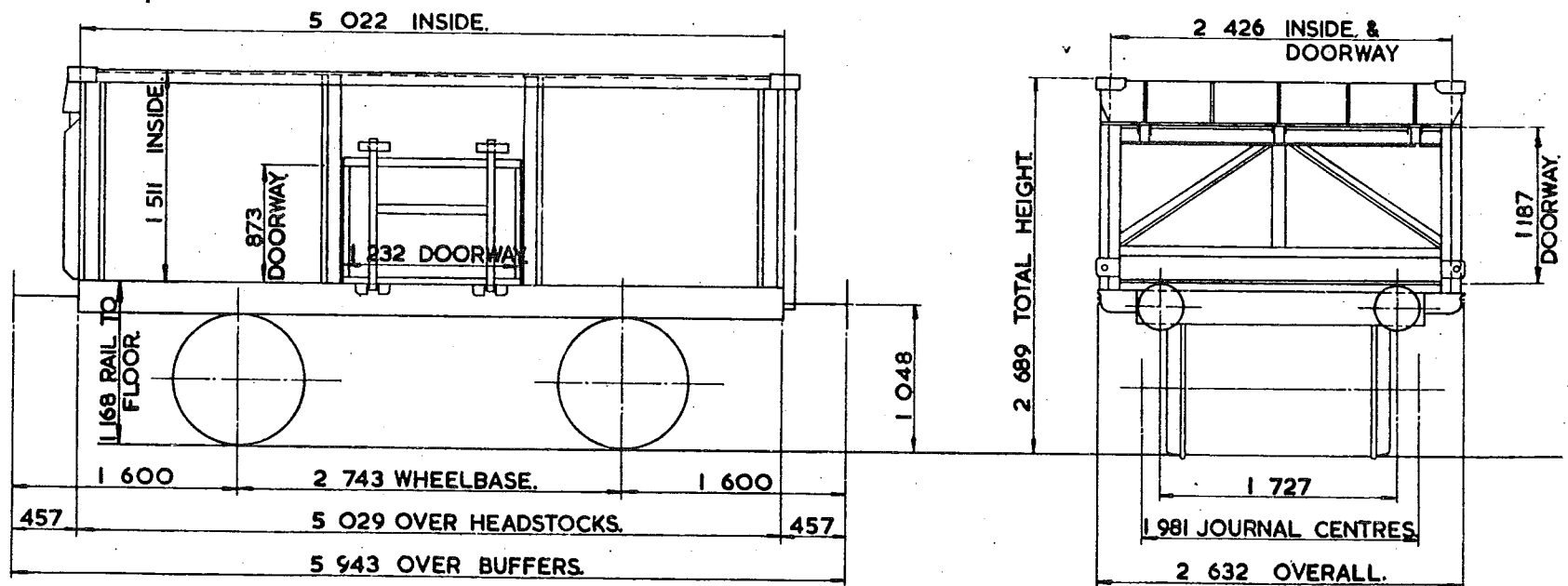
MINERAL WAGON

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 ³ .
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

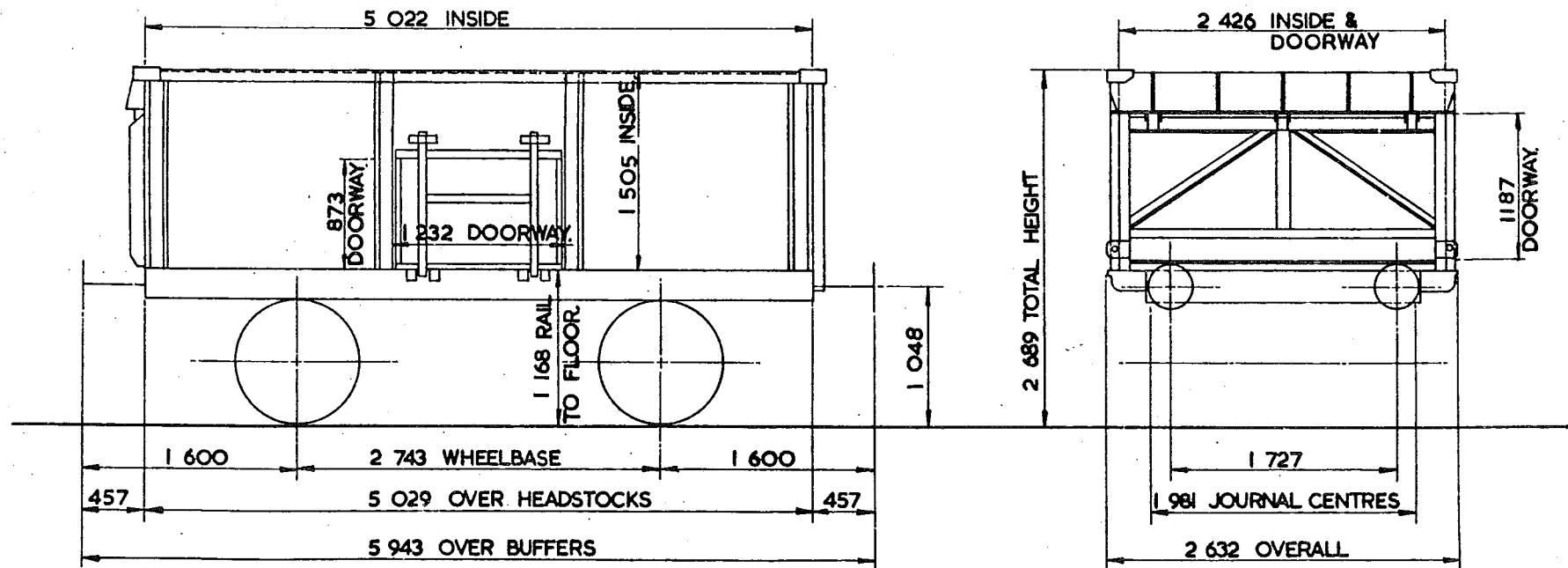
MINERAL WAGON

MX001C

PART LOT NUMBER			
3143	2635	2634	3145
3054	2810	2637	3146
2907	2912	2685	
2915	2917	3042	
2923	3063	3076	

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	X	V	M	X	V	E		3	6	2



TARE -	7800kg
CARRYING CAPACITY -	16 500 kg
CAPACITY -	18.349 m ³
MAX SPEED -	35 mile/h
WHEELS -	952 DIA
JOURNALS -	228 x 114 PLAIN BEARINGS

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

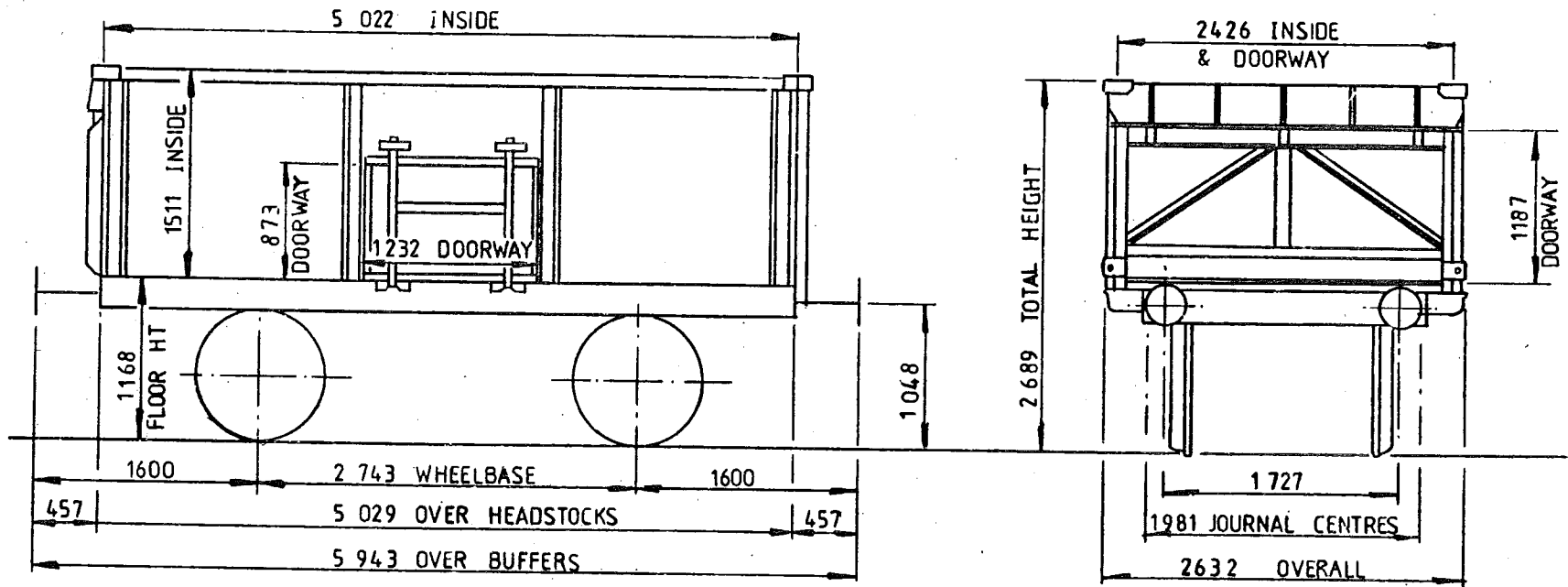
ISSUE 1

MINERAL WAGON

MX001E

LOT NUMBER	
2922	

TOPS INFORMATION											
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH	RA (GLW)	DESIGN SHEET
CARKND		PANEL No.		35 mile/h UP TO mile/h ABOVE			24.5 tonne GLW		4† BRAKED TO TARE		
M	X	V	D							1	



TARE-	7 800	kg
CAPACITY, WEIGHT-	16 500	kg
CAPACITY, VOLUME-	18.349	m ³
MIN. CURVE-	21	m
GEN. ARRGT. DRG. NO.-	SW/DE/2890	F.S. 2556

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

ISSUE 1

EX. BR. DIAGRAM 1/099

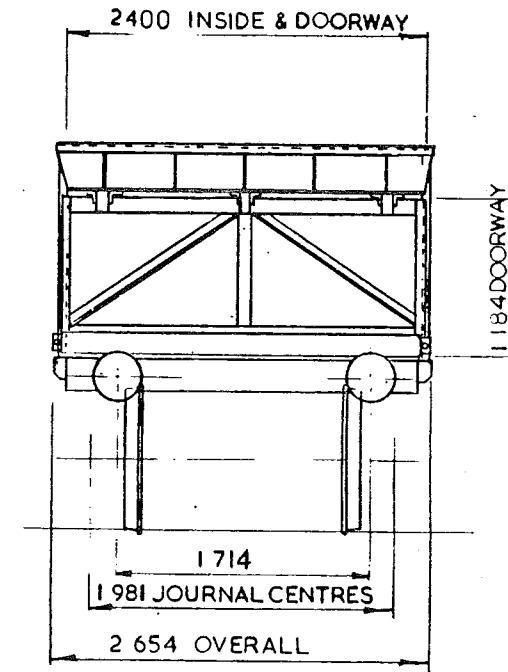
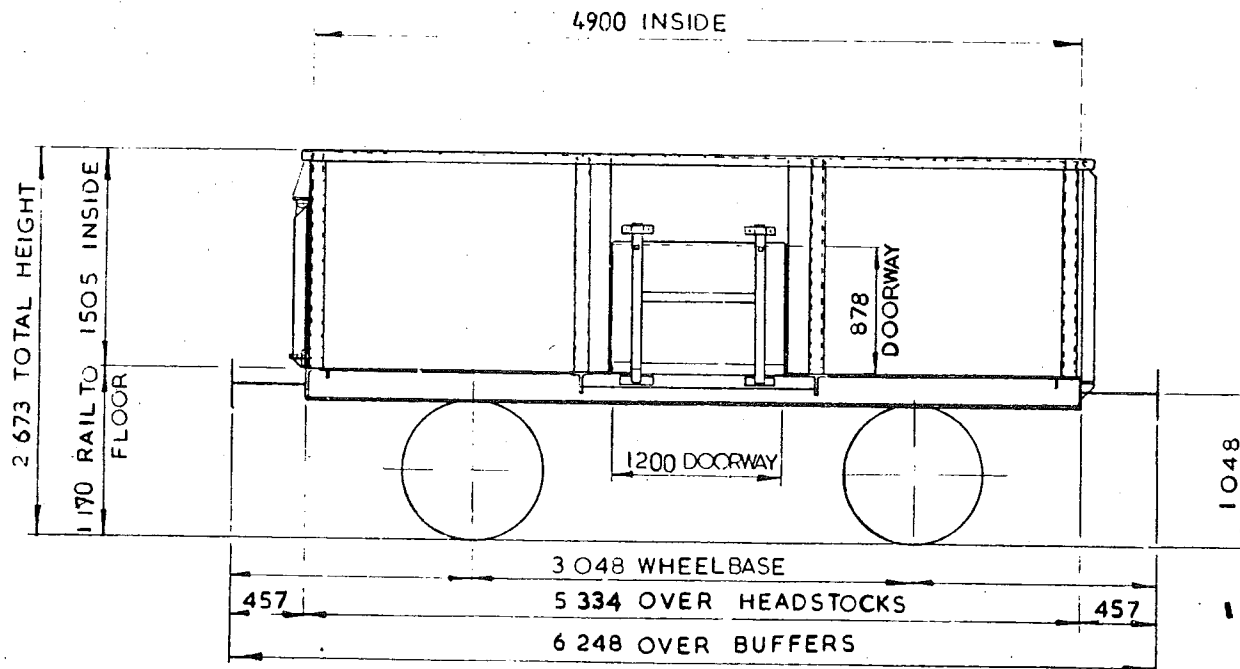
MINERAL WAGON

MX002A

LOT NUMBER
PART 3863

EXCESS LENGTH	H	M	L	E
tonnes	23	19	13	9
VB	3	3	3	3
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	5



TARE - 8000kg.
CARRYING CAPACITY - 16500 kg.
CAPACITY - 18.100 m ³
MAX. SPEED - 35 m/h.
WHEELS - 952 DIA
JOURNALS - 228x108 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21m
GEN. ARRGT. DRG. No. - F-AO-7858 DN21517 (U/FRAME)
BRAKE - VACUUM BLOCK AND HAND LEVER
SUSPENSION - SHOE

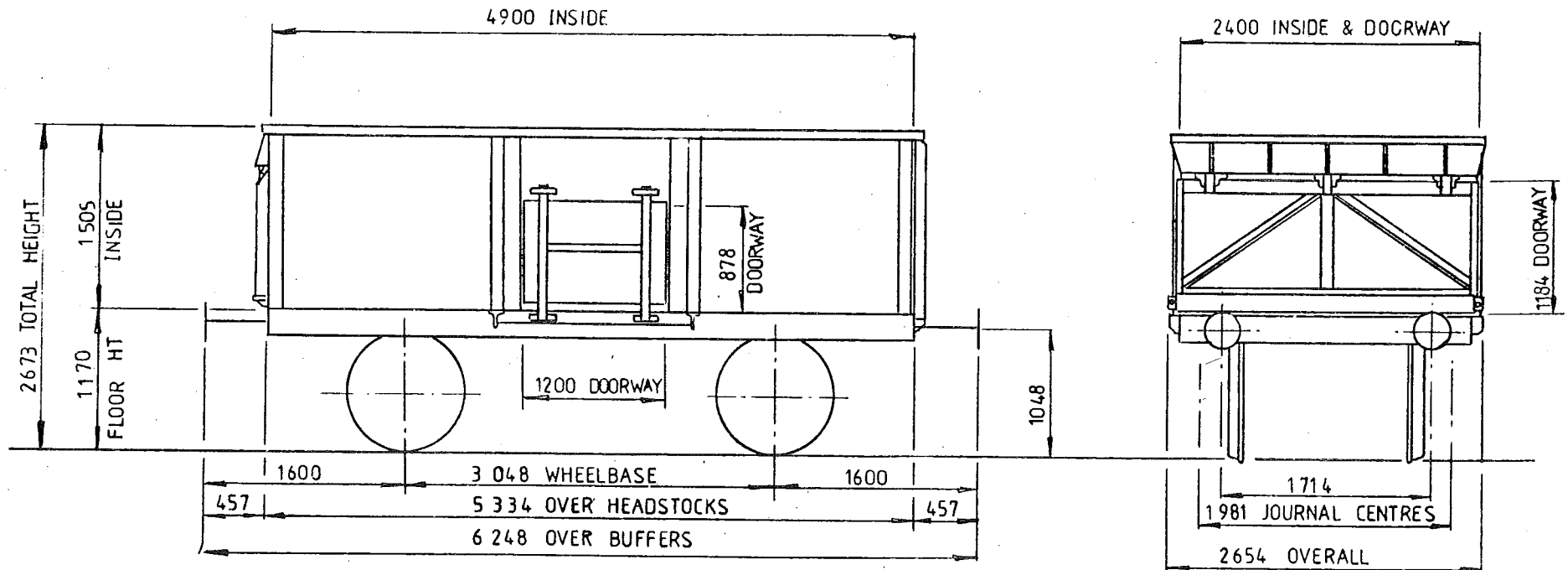
ISSUE 1.

MINERAL WAGON

MX 002B

LOT NUMBER	
	Pt 3863

TOPS INFORMATION											
AARKND		OPERATING		OPERATING SPEED			BRAKE FORCE DATA		EXCESS LENGTH	RA (GLW)	DESIGN SHEET
CARKND		PANEL No.		35 mile/h UP TO mile/h ABOVE			24-Stonne GLW		3+	BRAKED TO TARE	
M	X	V	D							1	



TARE-	8 000 kg
CAPACITY, WEIGHT-	16 500 kg
CAPACITY, VOLUME-	18.1 m ³
MIN. CURVE-	21 m
GEN. ARRGT. DRG. NO.-	F·A0·7858

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

ISSUE 1

EX. BR. DIAGRAM 108

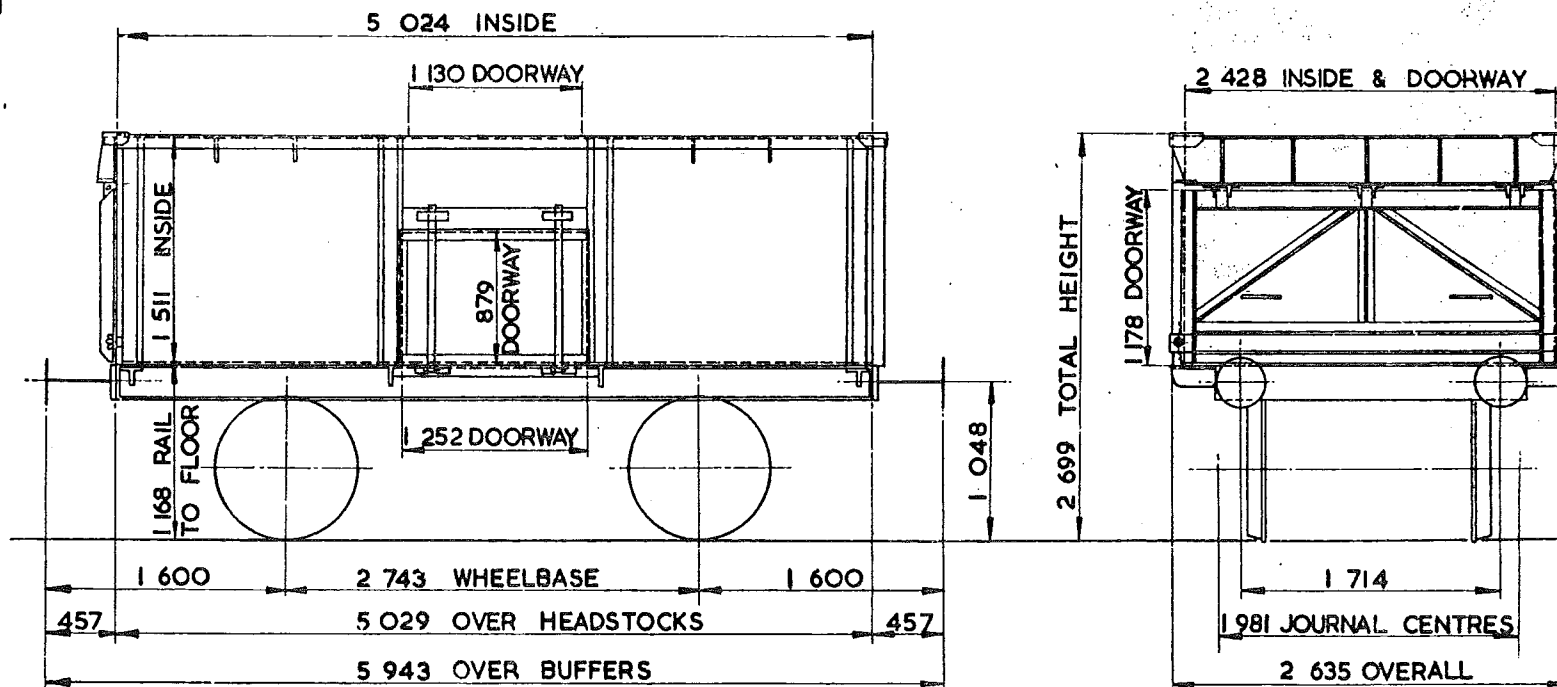
MINERAL WAGON

MX003A

LOT NUMBER
PART 3042
PART 3076
PART 3143
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 X V	M X V E	3 6 2



TARE -	8 050 kg
CARRYING CAPACITY -	16 500 kg
CAPACITY -	18.371 m ³
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. -	F-S-2556 BODY RCH 3004&5 UNDERFRAME
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	SHOE

ISSUE 1