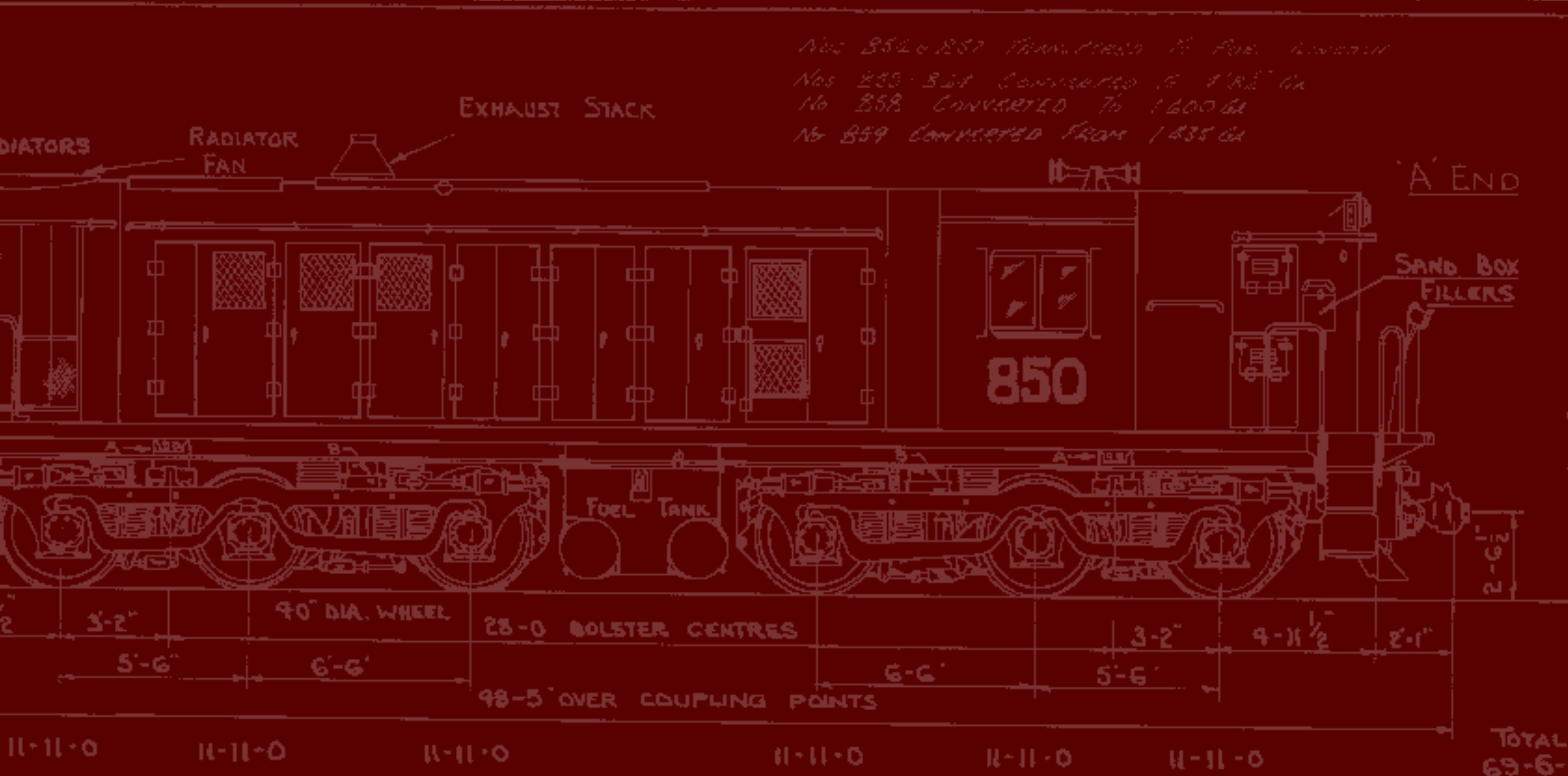




Nos 852 & 857 Transferred To Air. Lines
 Nos 853 & 854 Converted To 1435 GA
 No 858 Converted To 1400 GA
 No 859 Converted From 1435 GA

LOCO MODEL NO DL-531G	BATTERY CAPACITY 264 AMP HRS (5 HR RATING)	GEARING 92 19
SERIES 251 9 BORE 10 1/2 STROKE	CONTINUOUS RATED TRACTIVE EFFORT 40,200 LBS @ 5.8 M.P.H.	BRAKE CYLINDERS 4 / BOGIE
3 STARTING	MAXIMUM TRACTIVE EFFORT 39,500 LBS @ 25% ADHESION	MAXIMUM TRACTIVE EFFORT 39,500 LBS @ 25% ADHESION
584 & AE1 3602AZ (871-873)	MAXIMUM TRACTIVE EFFORT 39,500 LBS @ 25% ADHESION	MAXIMUM TRACTIVE EFFORT 39,500 LBS @ 25% ADHESION
D GENERATOR - 15 TONS	AIR BRAKE EQUIPMENT, WESTINGHOUSE A-1-E-L	MAX LOCO SPEED = 75 M.P.H.
TYPE GE / T61 - 9000 LBS EA.	COMPRESSION, WESTINGHOUSE, 125 MB FPM 1/2"	MAX LOCO SPEED = 75 M.P.H.
ETE 15 TONS	SAND CAPACITY 100 LBS	MAX LOCO SPEED = 75 M.P.H.
92 GALLONS	LUBRICATING OIL CAPACITY 117 GALLONS	MAX LOCO SPEED = 75 M.P.H.
DRPM - 6 CYLINDERS	TRACTION MOTORS ON 871-873 - AE1 253AZ	FUEL CAPACITY 500 GAL
DRPM - 6 CYLINDERS		

Australian National SAR 1067MM Diagrams

WHEEL NOTATION
 CB - CG

Presented here is the Australian National Diagrams Plan Book for SAR 1067mm rolling stock, originally produced by rail operator Australian National. Please note that the diagrams are not depicted to scale in this format.

The subject material is the Australian Railways.

Document design, layout: Chris Drymalik, July 2024. Marked up using $\text{\LaTeX}$

Document compilation date: August 8, 2024

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The digital book available here represent just a fraction of the wealth of records housed within the NRM archive. It has been compiled to aid researchers and enthusiasts interested in the rich tapestry of Australian railways. We trust you will find it invaluable.

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The National Railway Museum can be contacted via its web site, which can be found at <http://nrm.org.au/>

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EXHAUST STACK

Nos 852 & 857 Transferred To PWR London
Nos 853 & 854 Converted To 1435 GA
No 858 Converted To 1400 GA
No 859 Converted From 1435 GA

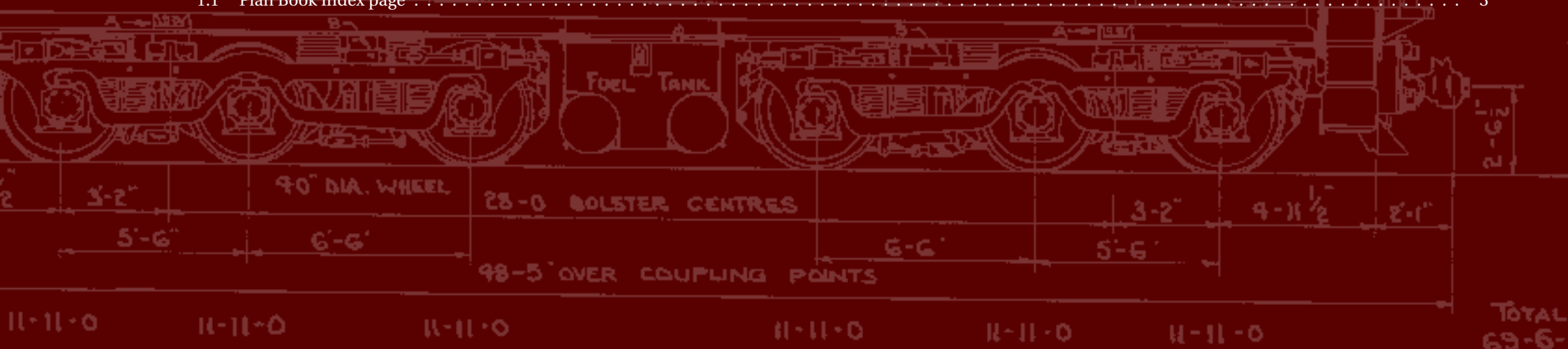
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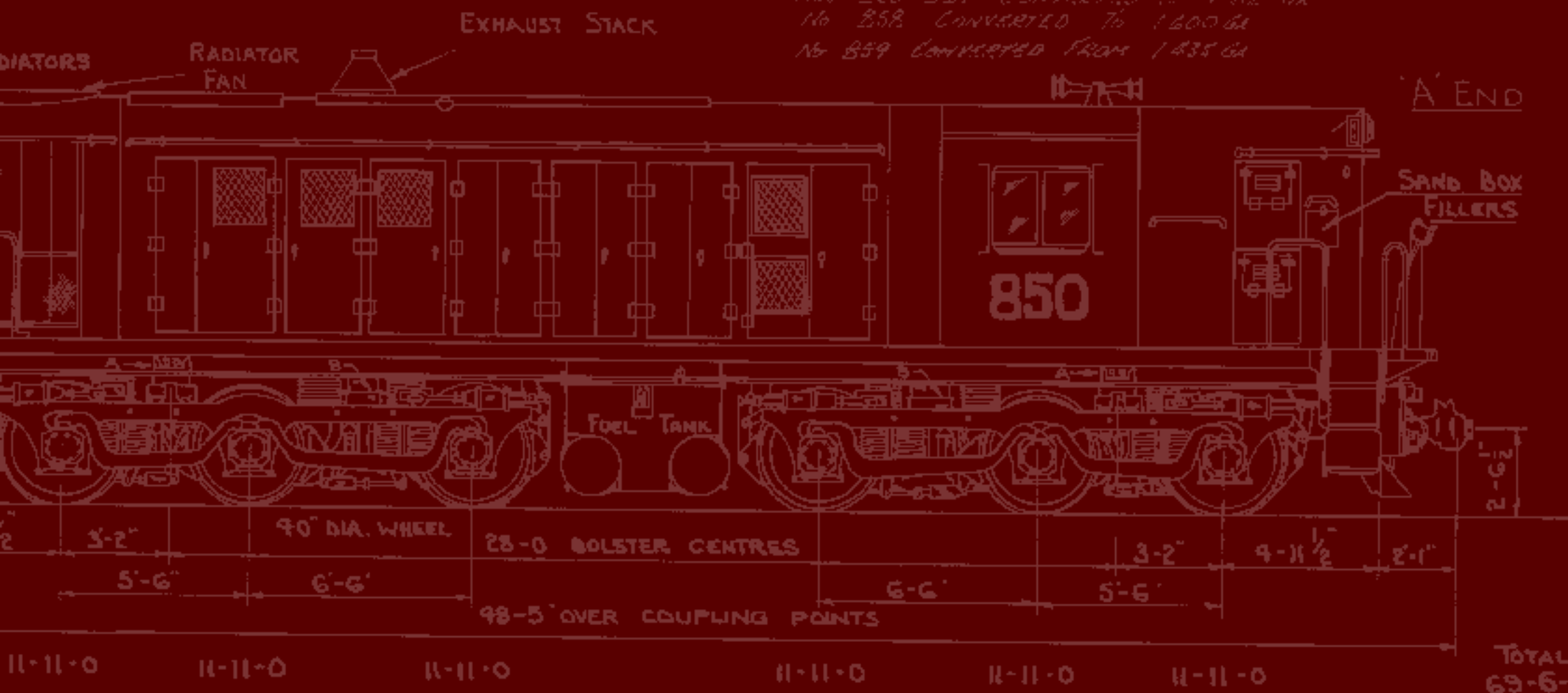


LOCO MODEL NO DL-531G
SERIES 251 9 BORE 10 1/2" STROKE
3 STARTING
584 & AE1 3602AZ, (871-873)
D GENERATOR - 15 TONS
TYPE GE/T61 - 9000^{lbs} EA.
ETE 15 TONS
32 GALLONS
RPM - 6 CYLINDERS
RPM - 6 CYLINDERS

BATTERY CAPACITY 264 AMP HRS (5 HR RATING)
CONTINUOUS RATED TRACTIVE EFFORT 40,200 LBS @ 5.8 M.P.H.
~~TRACTIVE EFFORT 39,500 LBS @ 25% ADHESION~~
~~TRACTIVE EFFORT 31,600 LBS @ 20% ADHESION~~
AIR BRAKE EQUIPMENT, WESTINGHOUSE A-7-EL
COMPRESSOR, WESTINGHOUSE, TYPE 3CDC-225 CUB FT/MIN, 110 PSI
SAND CAPACITY 10 CUB FT
LUBRICATING OIL CAPACITY 117 GALLONS
TRACTION MOTORS ON 871-873 - AE1 253AZ

GEARING 92:19
BRAKE CYLINDERS 4/BOGIE
% BRAKING = 75%
ROLLER BEARINGS 3 K.F.
MAX LOCO SPEED = 75 M.P.H.
TURBO SUPERCHARGER MOD
FUEL CAPACITY 500 GAL

WHEEL NOTATION
CB - CG



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 SERIES 251 9 BORE 10 1/2 STROKE
 3 STARTING
 584 & AE1 3602AZ, (871-873)
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 % BRAKING = 75%
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 MAX LOCO SPEED = 75 M.P.H.
 TURBO SUPERCHARGER MOD
 FUEL CAPACITY 500 GAL

WHEEL NOTATION
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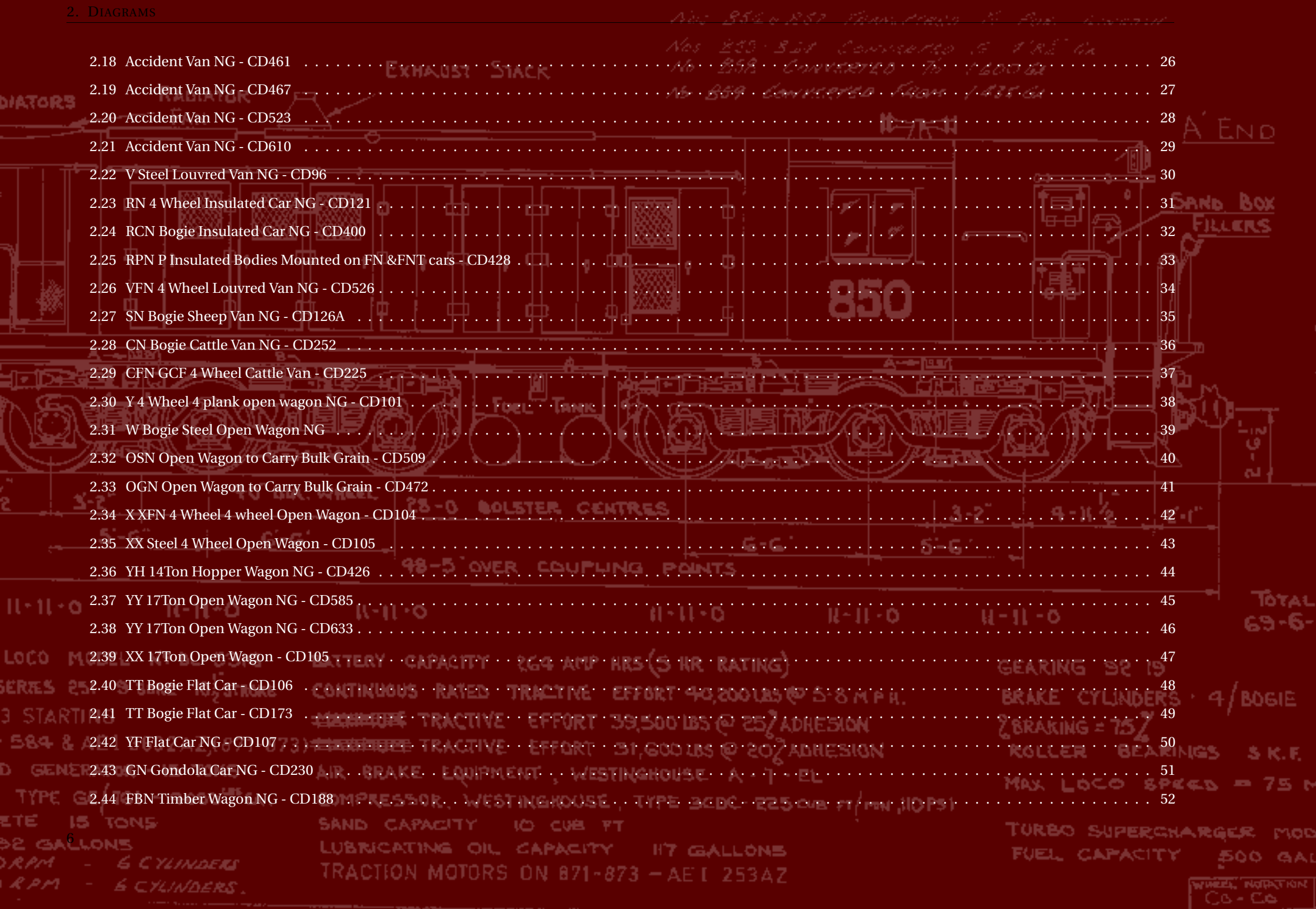
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2.41	TT Bogie Flat Car - CD173	49
2.42	YF Flat Car NG - CD107	50
2.43	GN Gondola Car NG - CD230	51
2.44	FBN Timber Wagon NG - CD188	52



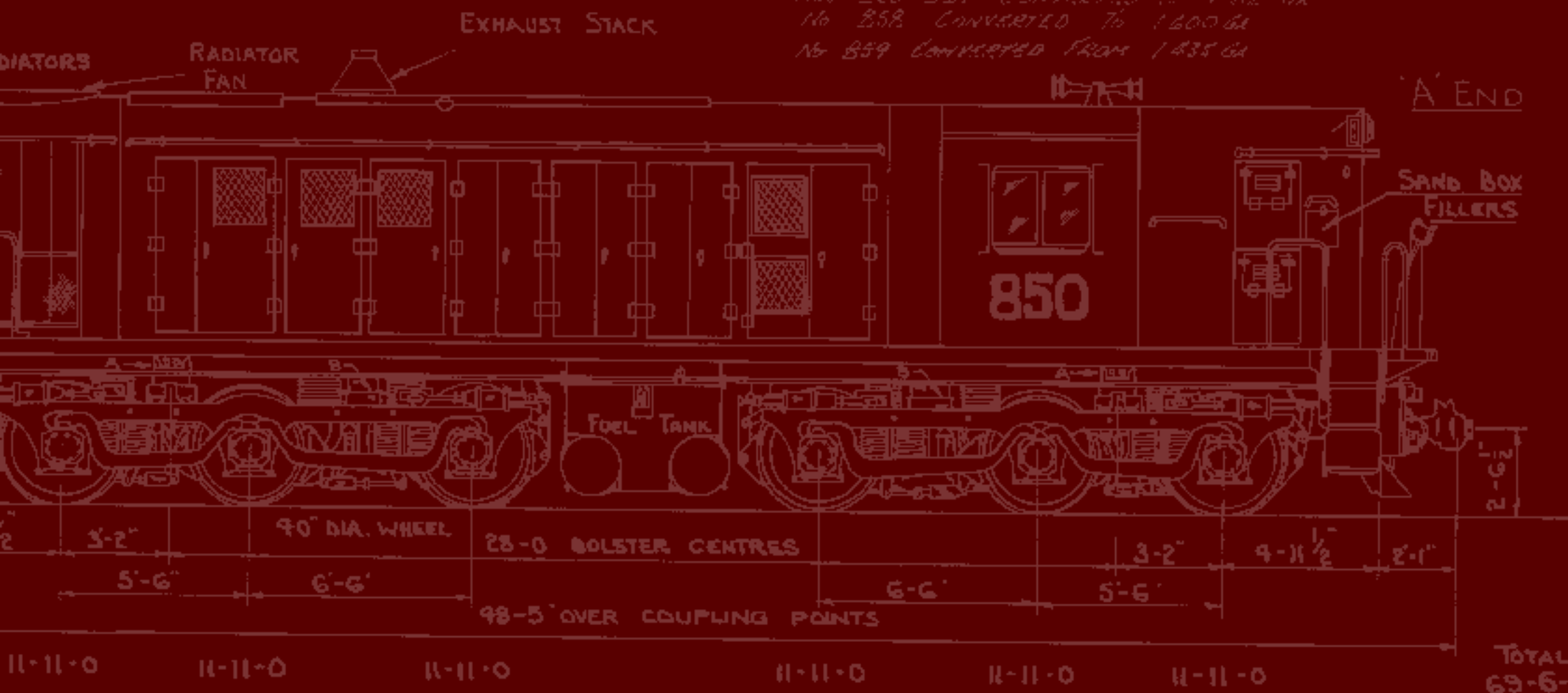
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LOCO MODEL N° DL-53IG
 SERIES 251 9 BORE 10½" STROKE
 3 STARTING
 584 & AE1 3602AZ, (871-873)
 D GENERATOR - 15 TONS
 TYPE GE/T61 - 9000^{lbs} EA.
 ETE 15 TONS
 32 GALLONS
 6 RPM - 6 CYLINDERS
 6 RPM - 6 CYLINDERS

BATTERY CAPACITY 264 AMP HRS (5 HR RATING)
 CONTINUOUS RATED TRACTIVE EFFORT 40,200 LBS @ 5-8 M.P.H.
~~TRACTIVE~~ TRACTIVE EFFORT 39,500 LBS @ 25% ADHESION
~~TRACTIVE~~ TRACTIVE EFFORT 31,600 LBS @ 20% ADHESION
 AIR BRAKE EQUIPMENT, WESTINGHOUSE A-7-EL
 COMPRESSOR, WESTINGHOUSE, TYPE 3CDC-225 CUB FT/MIN, 110 PSI
 SAND CAPACITY 10 CUB FT
 LUBRICATING OIL CAPACITY 117 GALLONS
 TRACTION MOTORS ON 871-873 - AE1 253AZ

GEARING 92:19
 BRAKE CYLINDERS 4/BOGIE
 2 BRAKING = 75%
 ROLLER BEARINGS 3 K.F.
 MAX LOCO SPEED = 75 M.P.H.
 TURBO SUPERCHARGER MOD 7
 FUEL CAPACITY 500 GAL

WHEEL NOTATION
 CB - CG



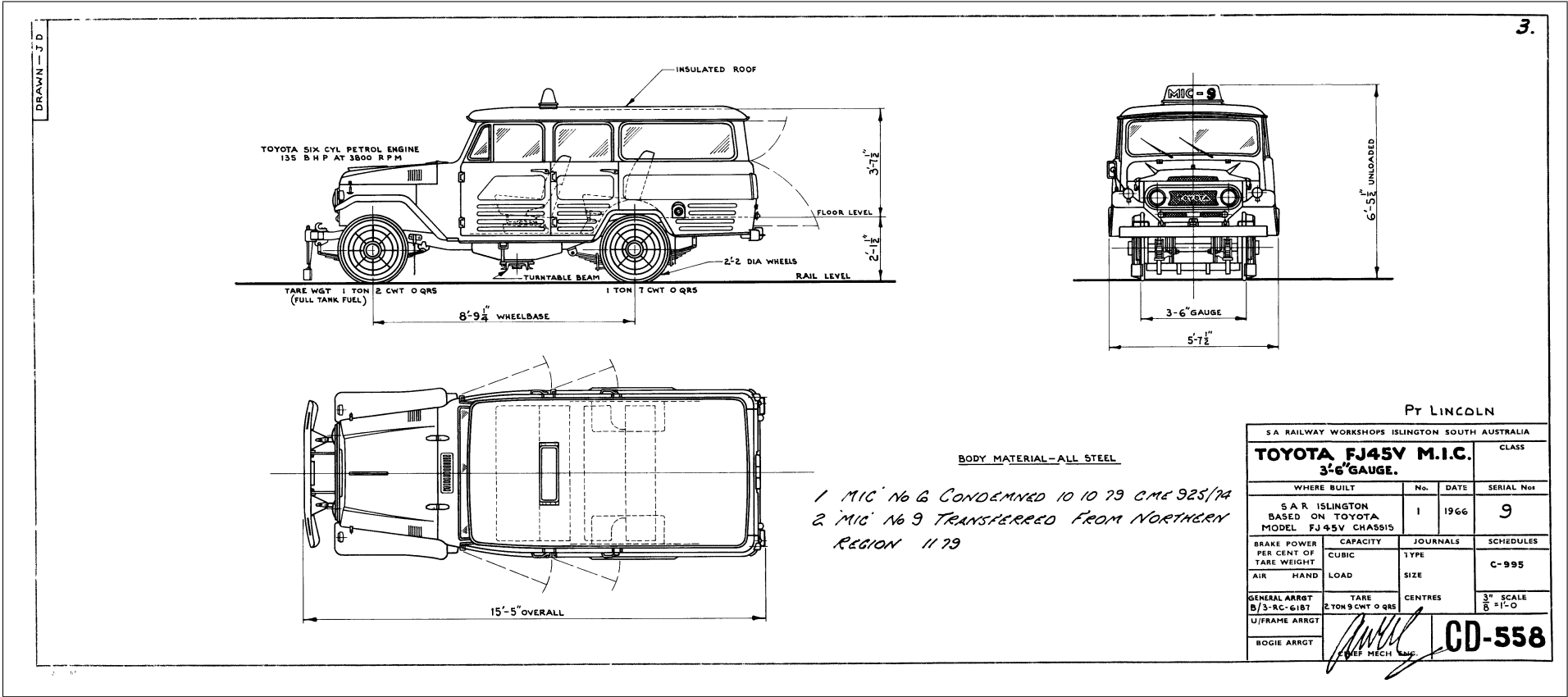
LOCO MODEL NO DL-531G
 SERIES 251 9 BORE 10 1/2 STROKE
 3 STARTING
 584 & AE1 3602AZ, (871-873)
 D GENERATOR - 15 TONS
 TYPE GE/T61 - 9000^{lbs} EA.
 ETE 15 TONS
 32 GALLONS
 RPM - 6 CYLINDERS
 RPM - 6 CYLINDERS

BATTERY CAPACITY 264 AMP HRS (5 HR RATING)
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 COMPRESSOR, WESTINGHOUSE, TYPE 3CDC-225 CUB FT/MIN, 110 PSI
 SAND CAPACITY 10 CUB FT
 LUBRICATING OIL CAPACITY 117 GALLONS
 TRACTION MOTORS ON 871-873 - AE1 253AZ

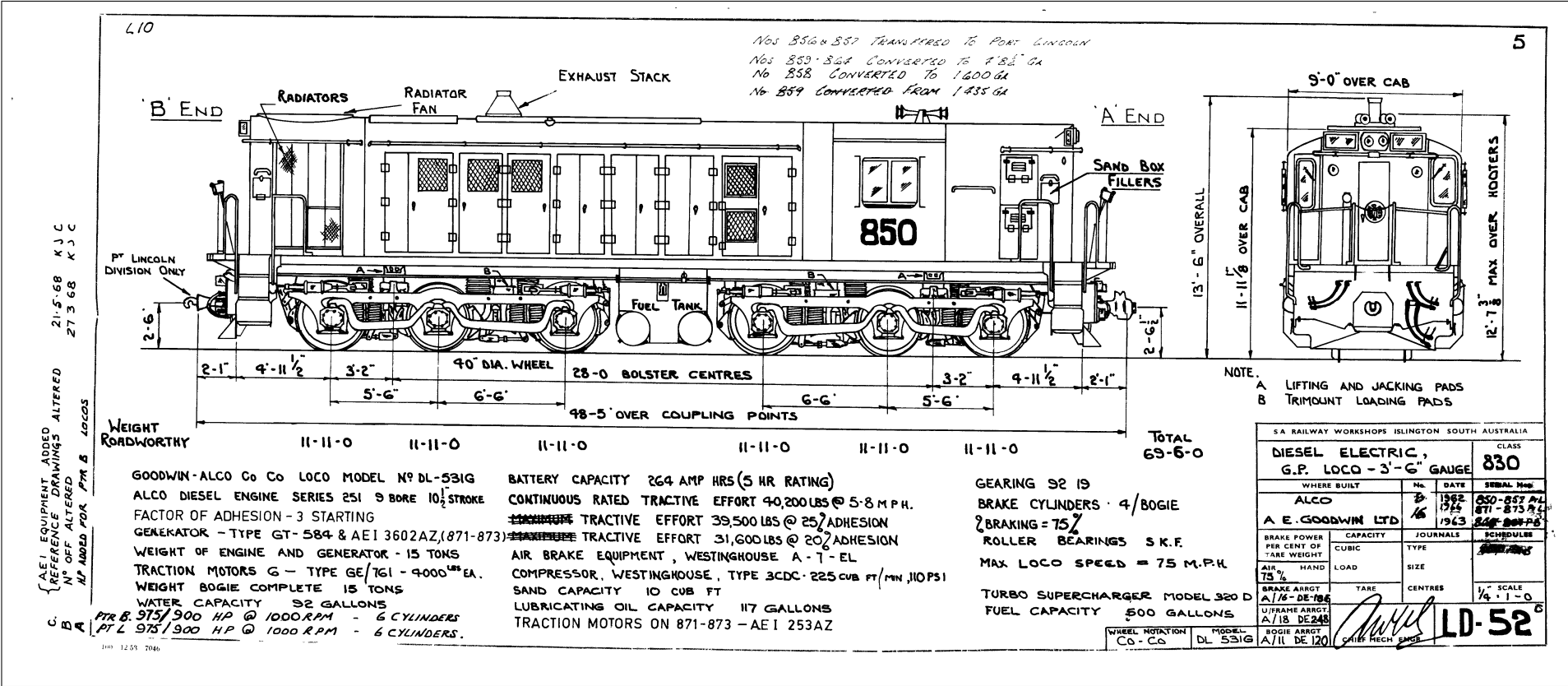
GEARING 92:19
 BRAKE CYLINDERS 4/BOGIE
 BRAKING = 75%
 ROLLER BEARINGS 3 K.F.
 MAX LOCO SPEED = 75 M.P.H.
 TURBO SUPERCHARGER MOD
 FUEL CAPACITY 500 GAL

WHEEL NOTATION
 CB - CG

2.1 Toyota FJ45V MIC NG - CD558

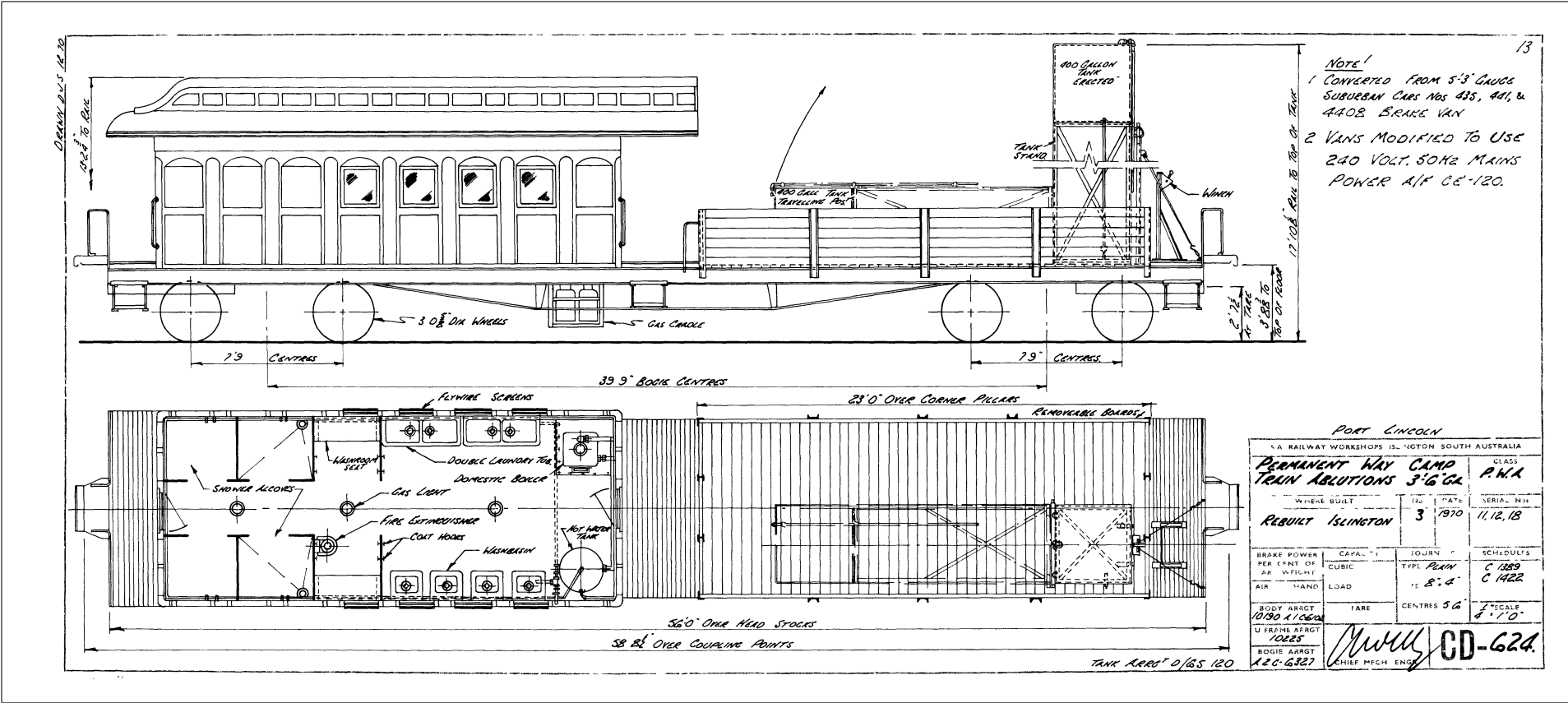


2.2 830 Class Diesel Electric G.P. Loco NG - LD52



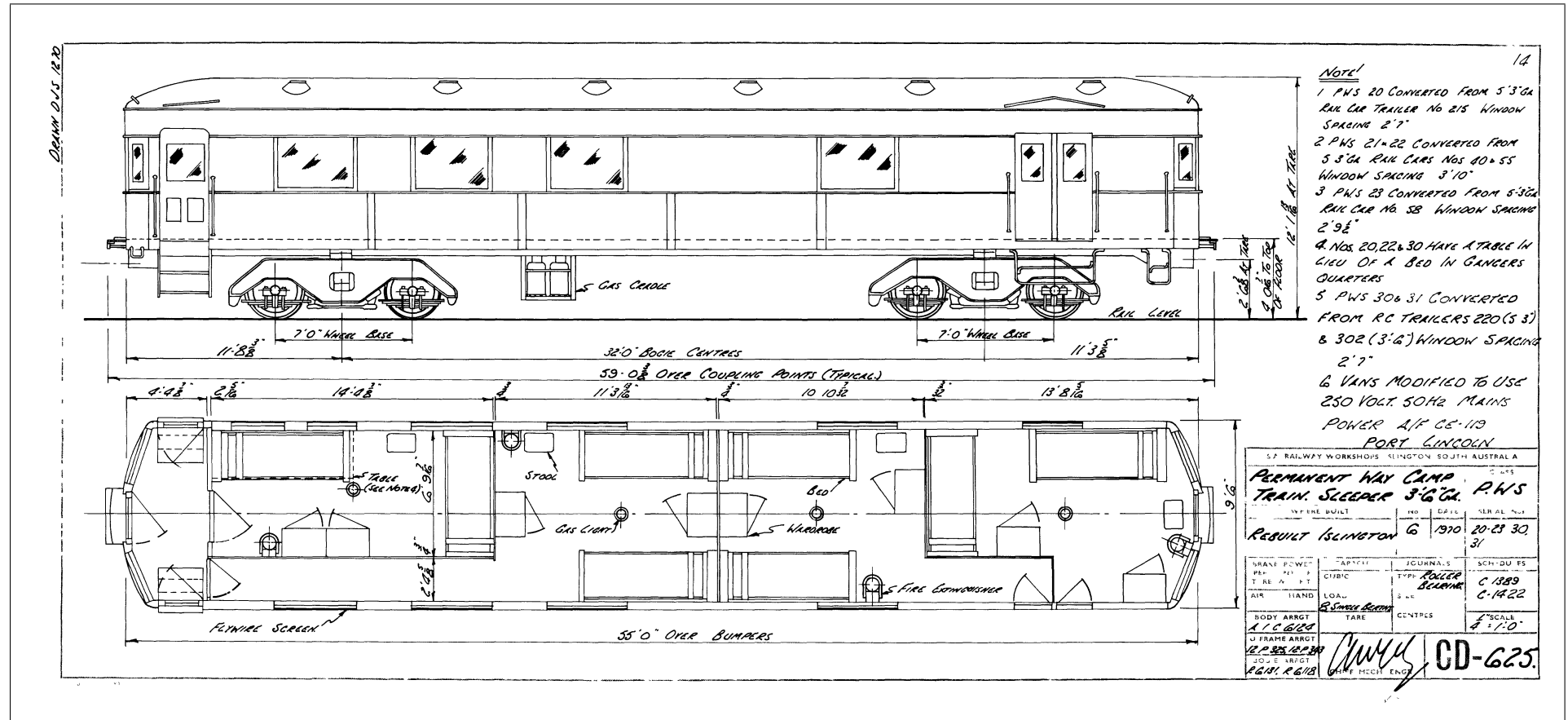
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2.4 PWA Permanent Way Camp Train Ablutions NG - CD624



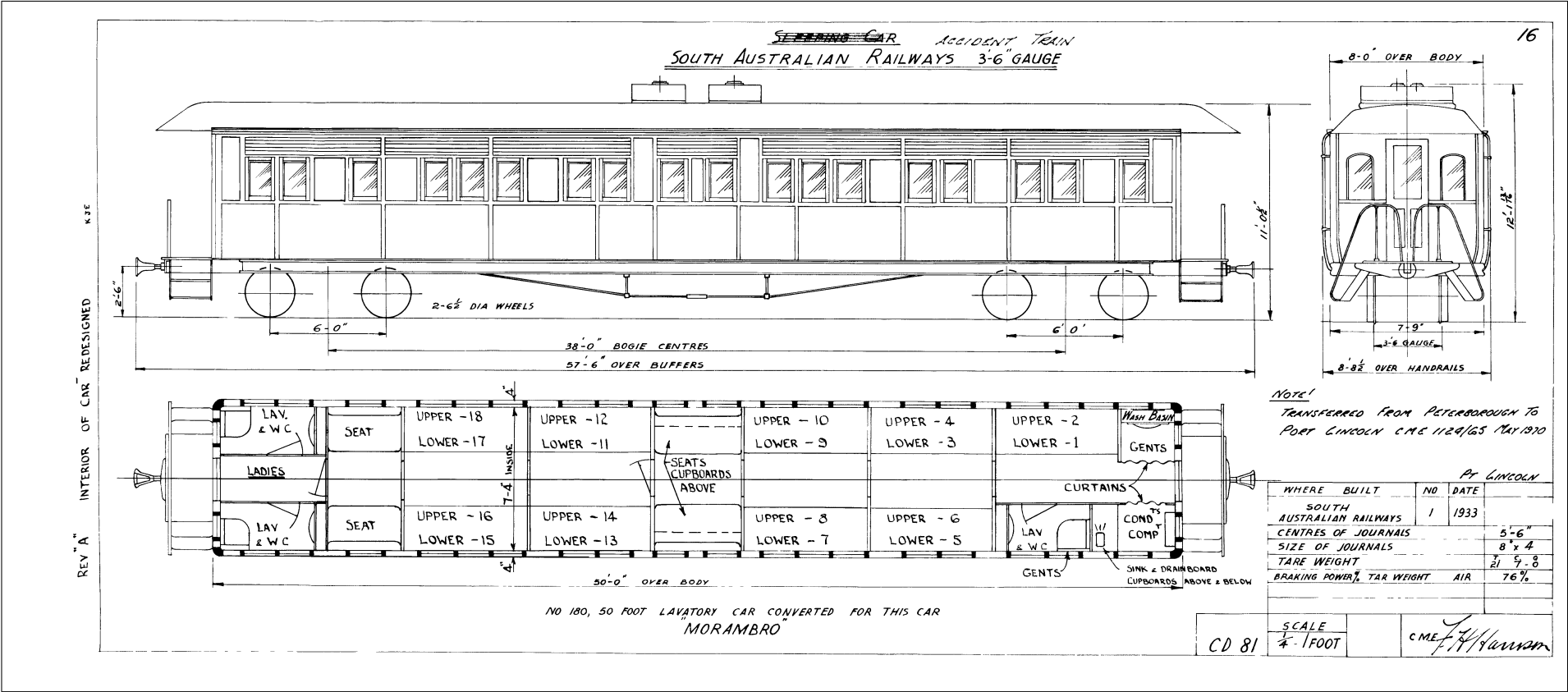
PlanId: ng13

2.5 PWS Permanent Way Camp Sleeper NG ex Model 75 Brill - CD625



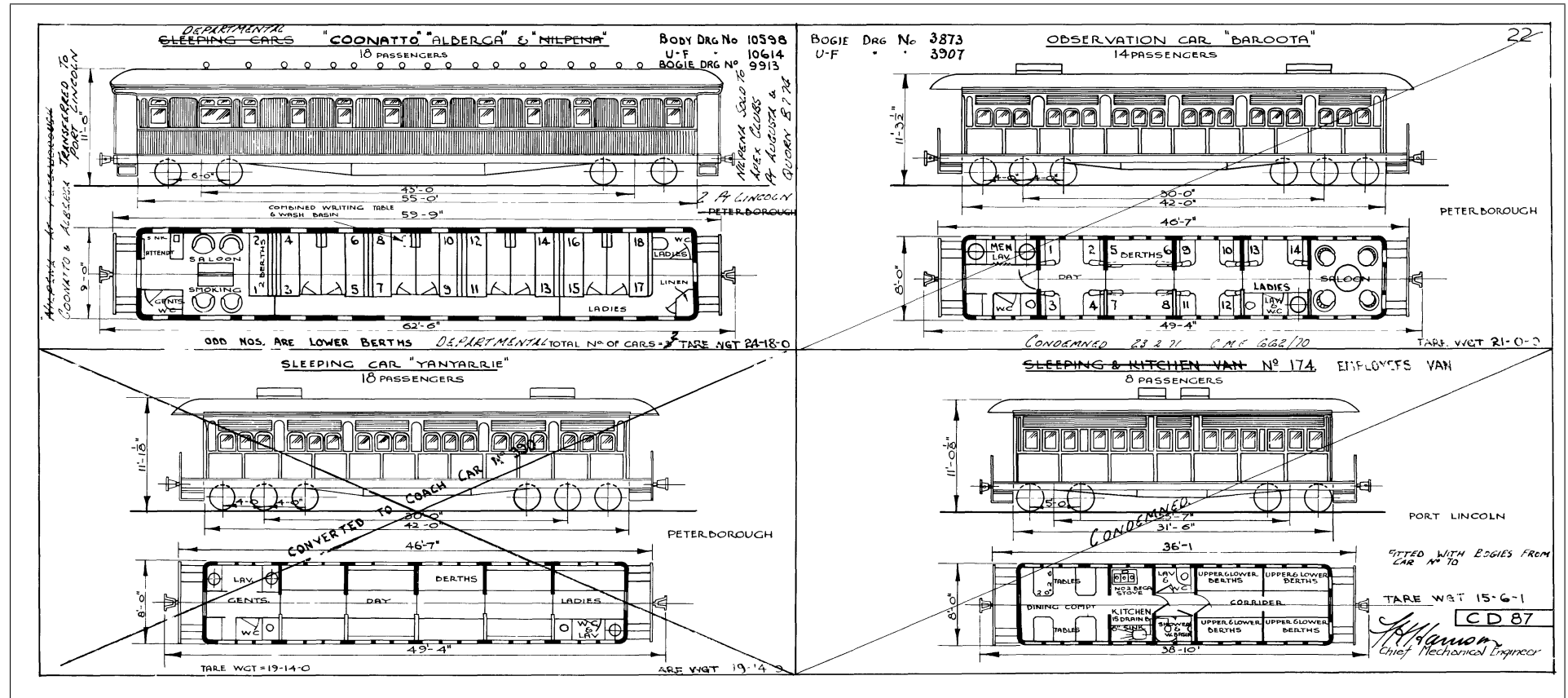
PlanId: ng14

2.6 Accident Train Car ex Morambro - CD81



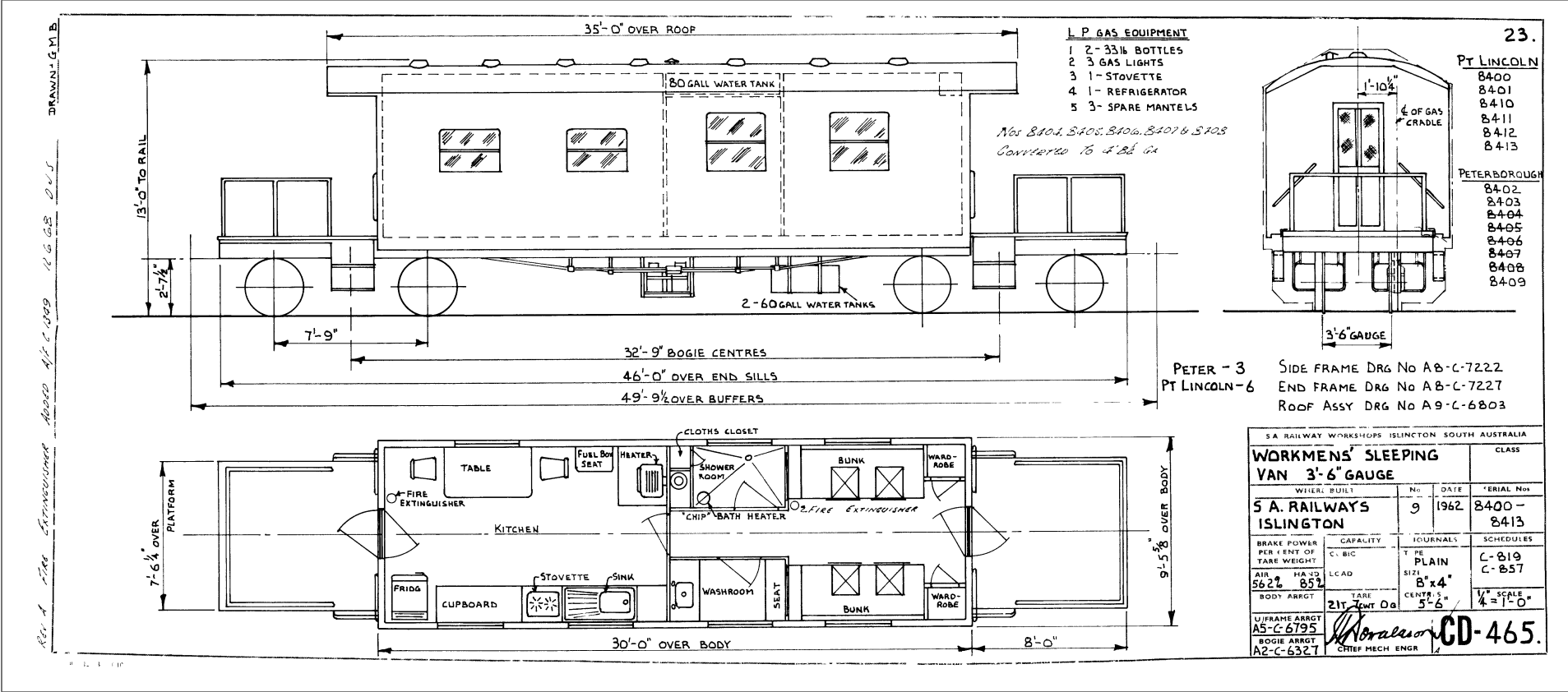
PlanId: ng16

2.7 Departmental Car ex Coonatto - CD87 - Observation Car Baroota - Sleeping Car Yanyarrie - Employee Van No.174



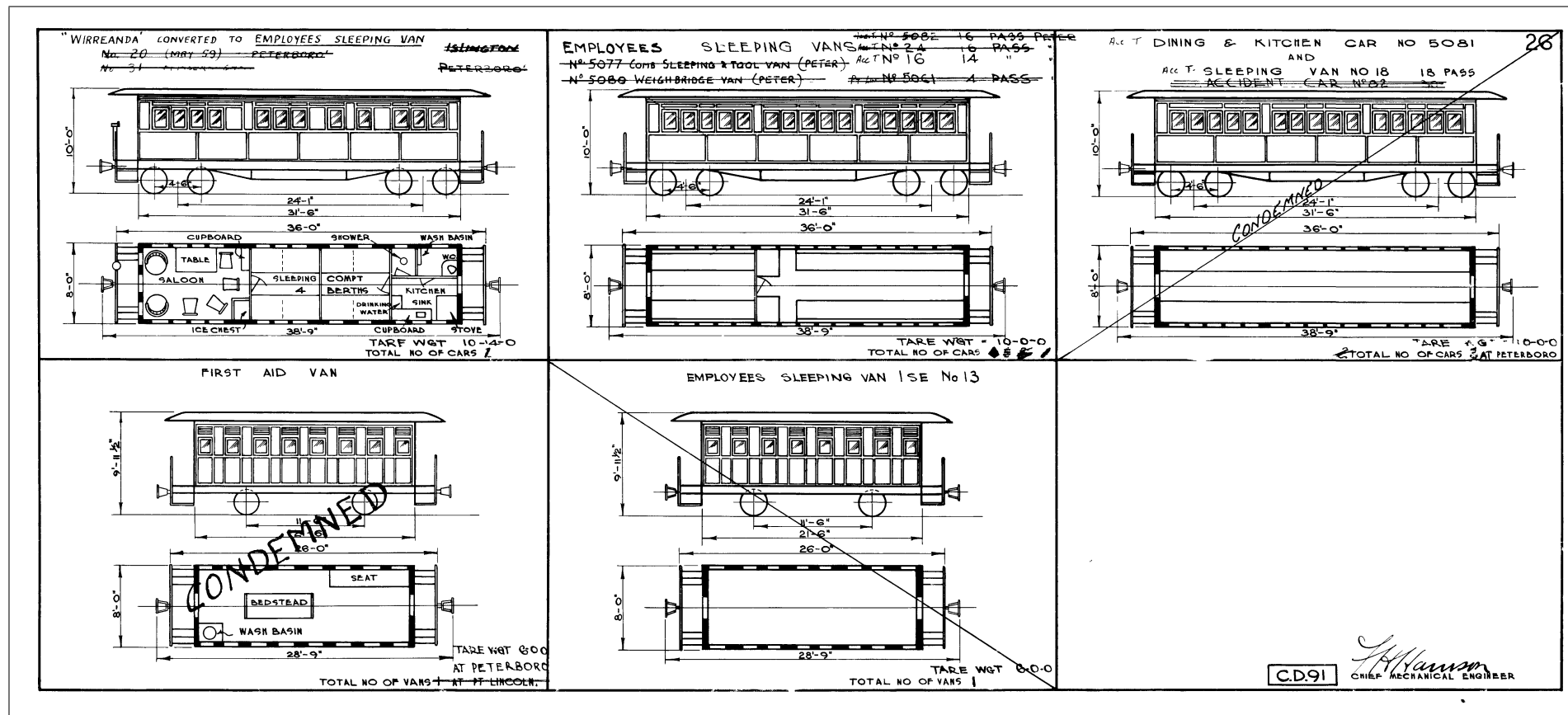
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2.8 Workmans Sleeping Van NG - CD465

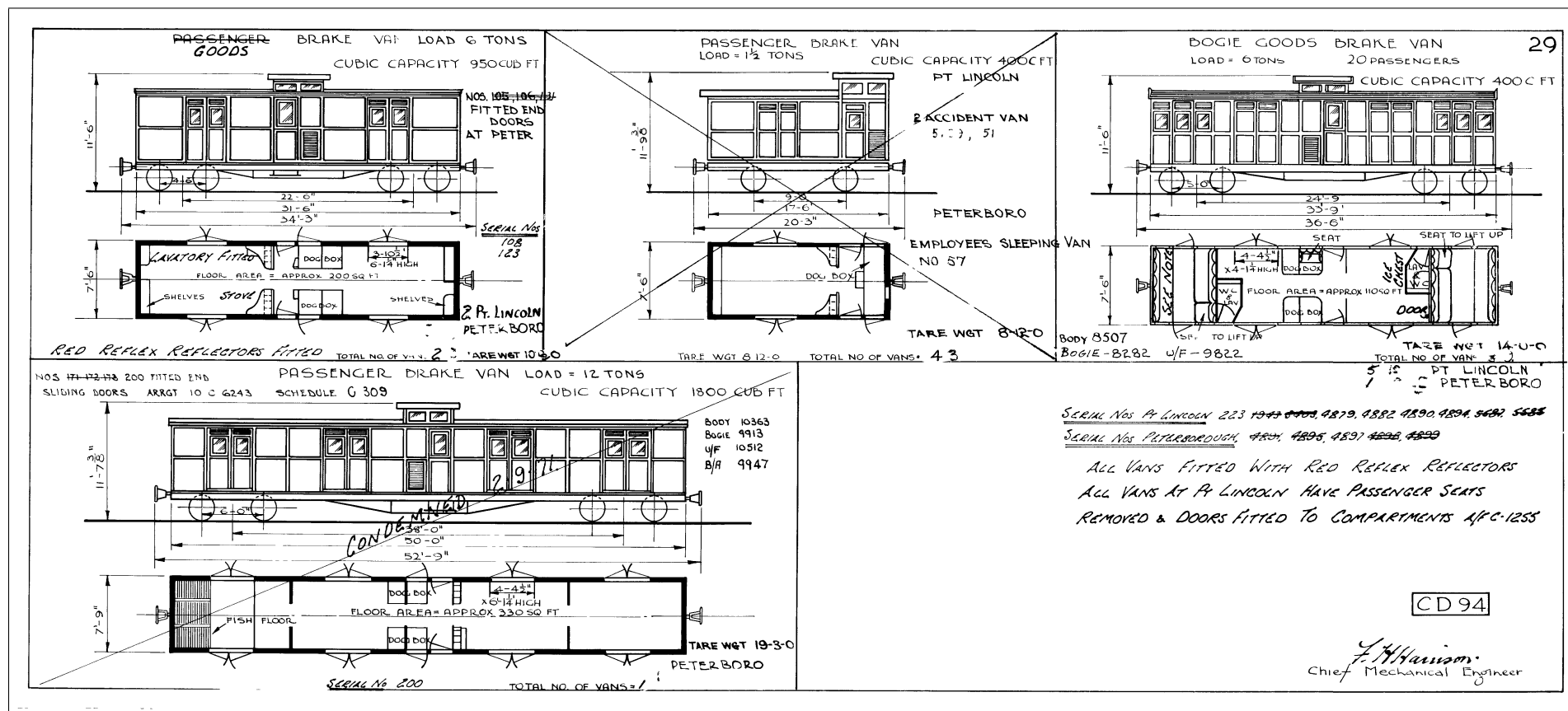


PlanId: ng23

2.10 Employees Sleeping Van ex Wirreanda - CD91

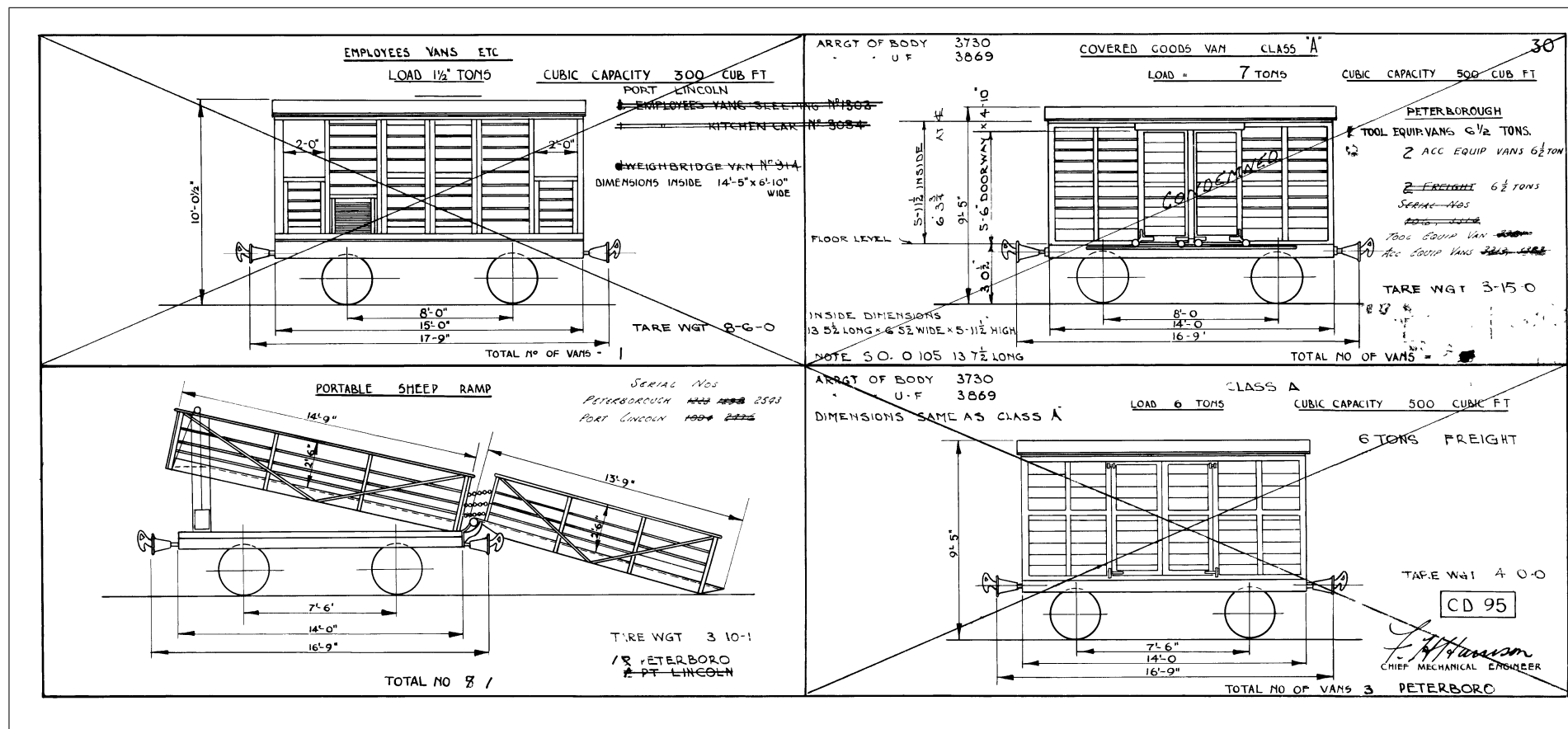


2.11 Goods Brake Van ex Passenger Brake Van - CD94



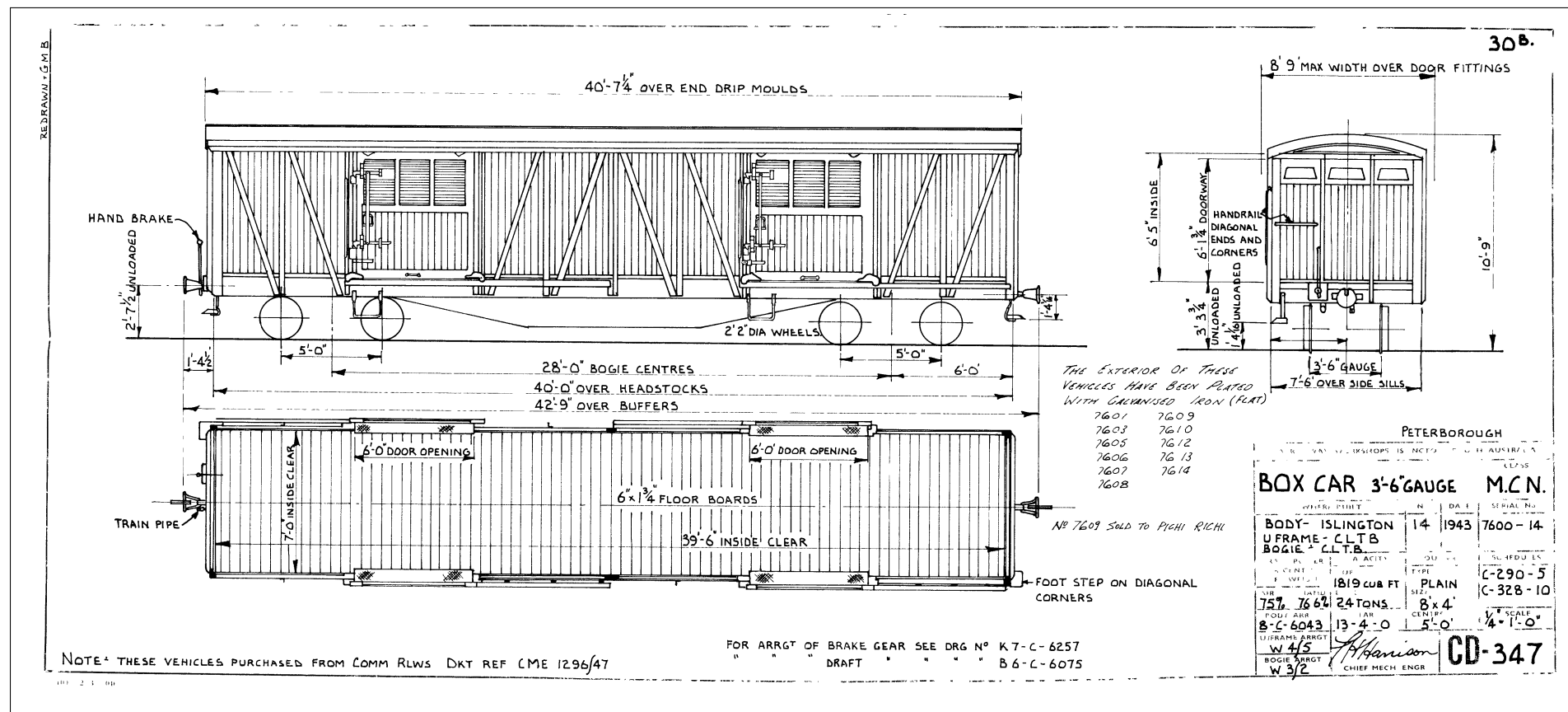
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2.12 Portable Sheep Ramp - CD95



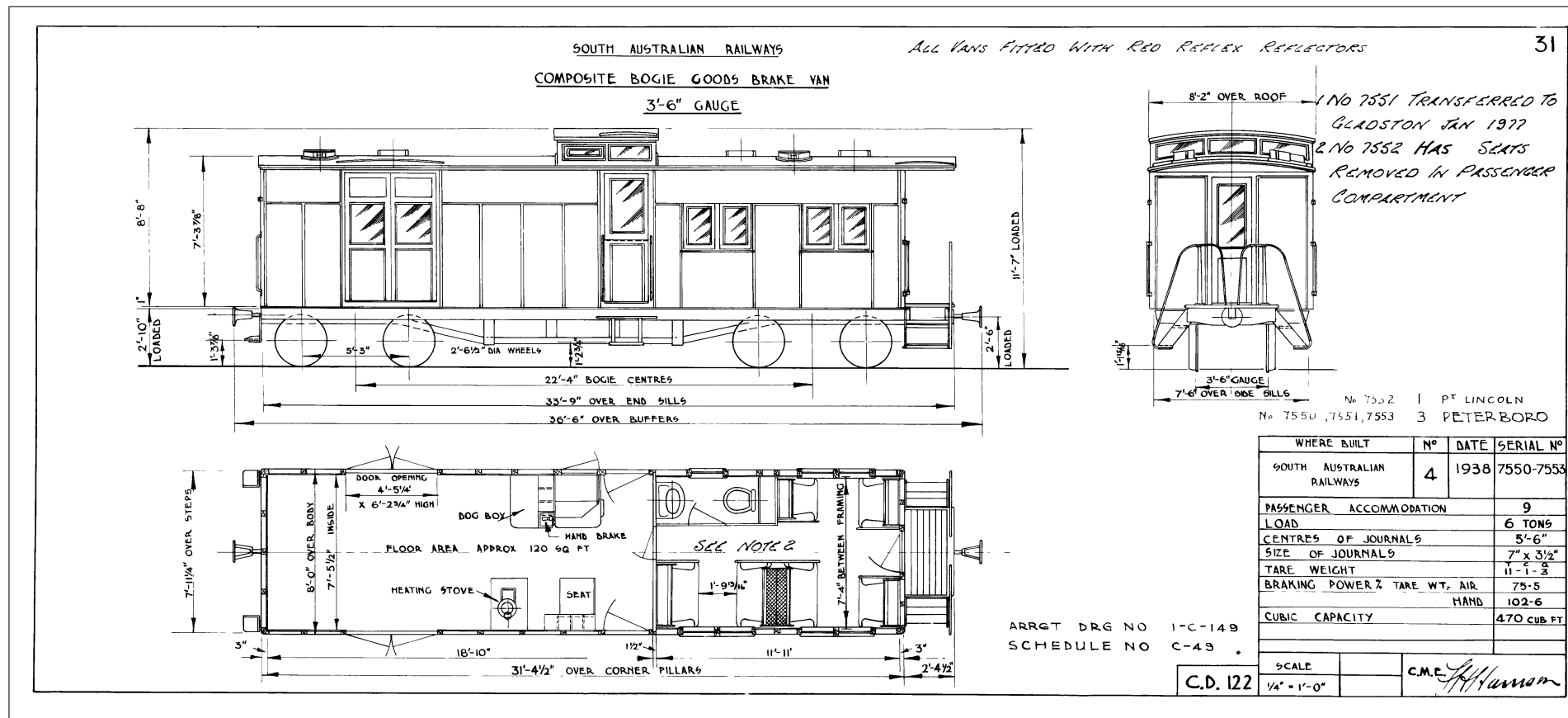
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2.13 MCN Box Car NG - CD347



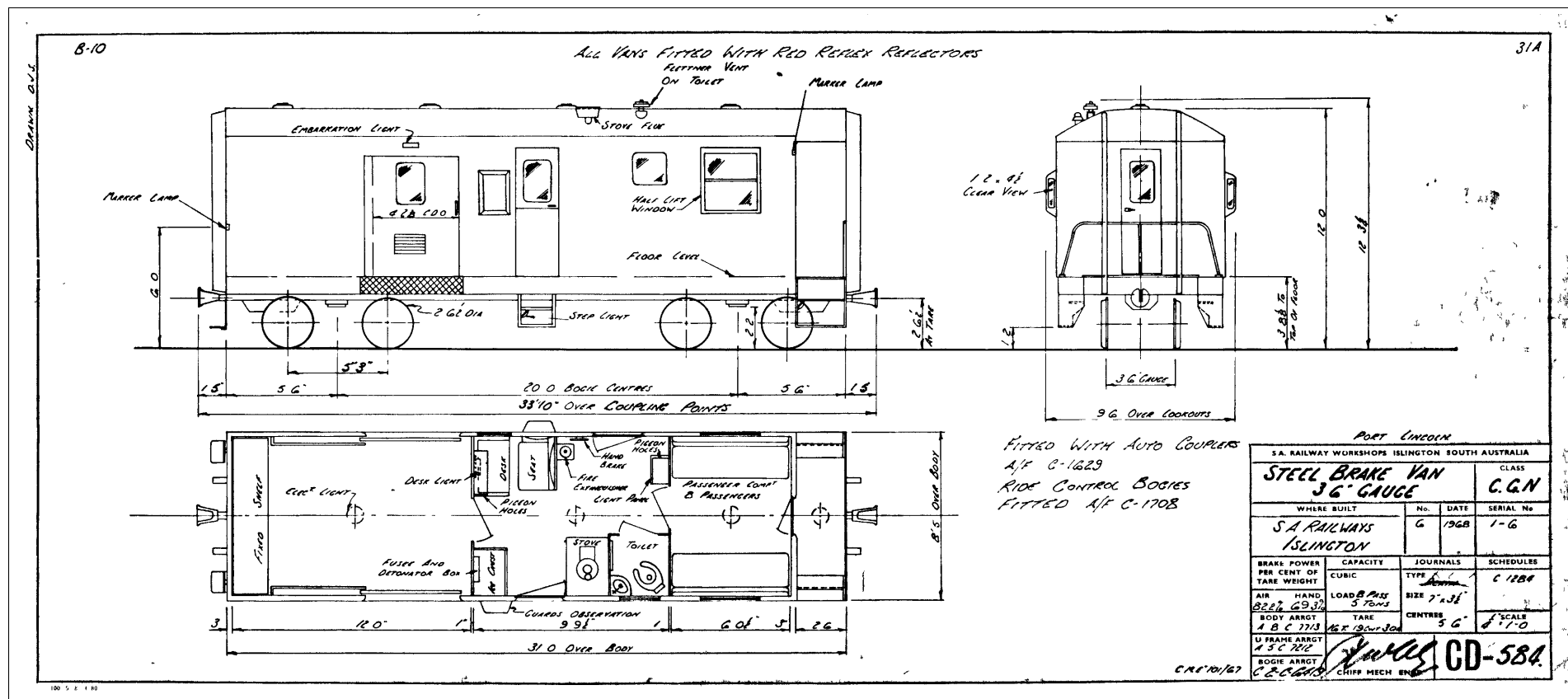
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2.14 Composite Bogie Goods Brake Van - CD122 - 7550-7553



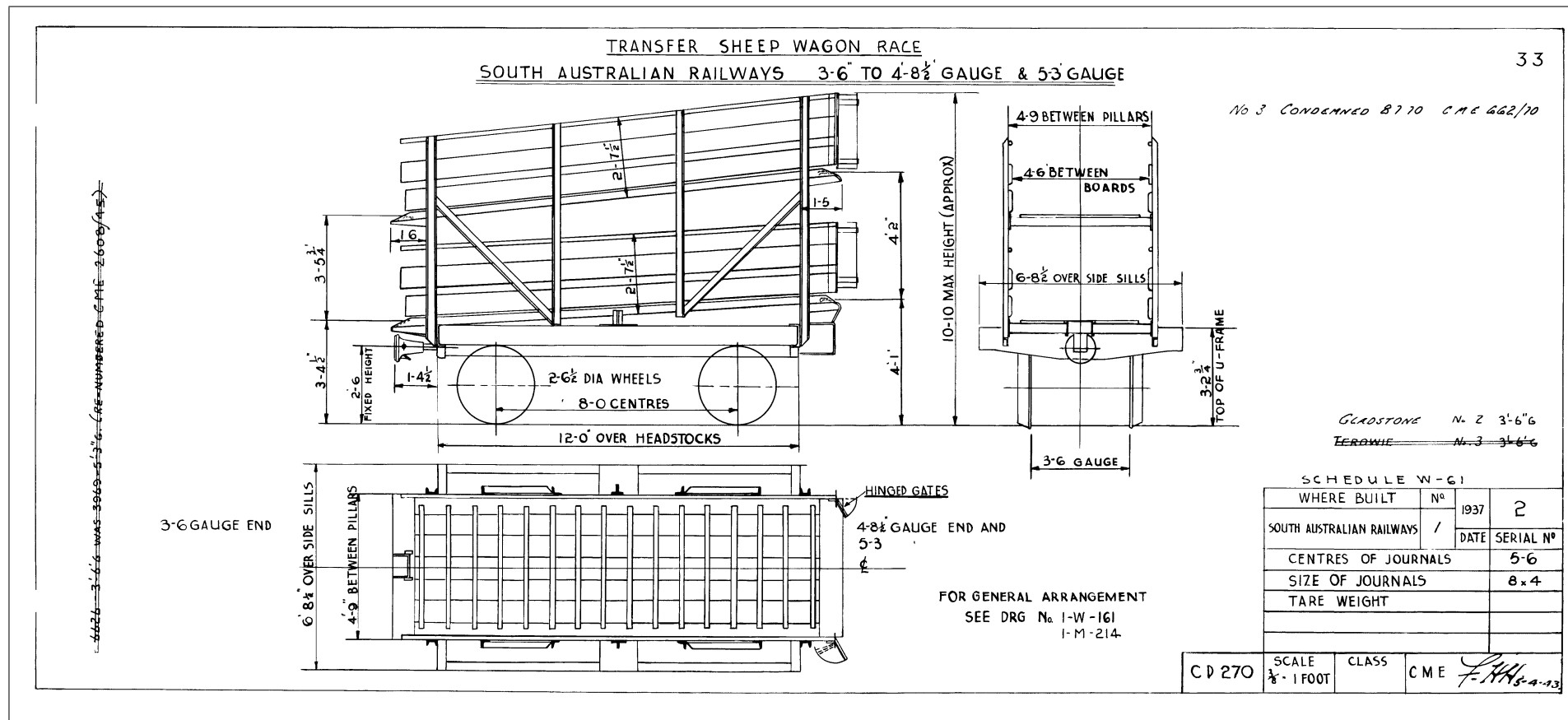
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2.15 CGN Steel Brake Van NG - CD584



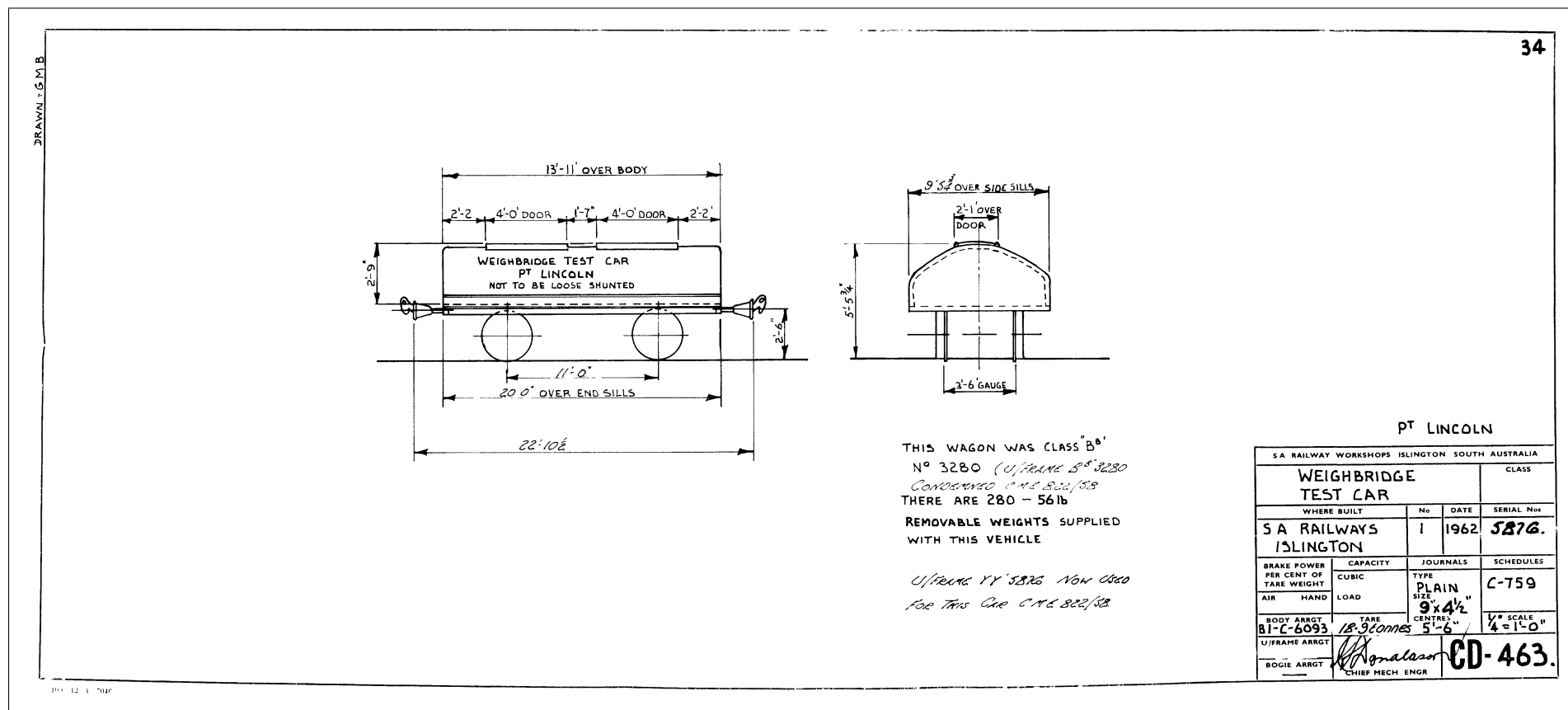
PlanId: ng31a

2.16 Transfer Sheep Wagon Race NG to SG & BG - CD270



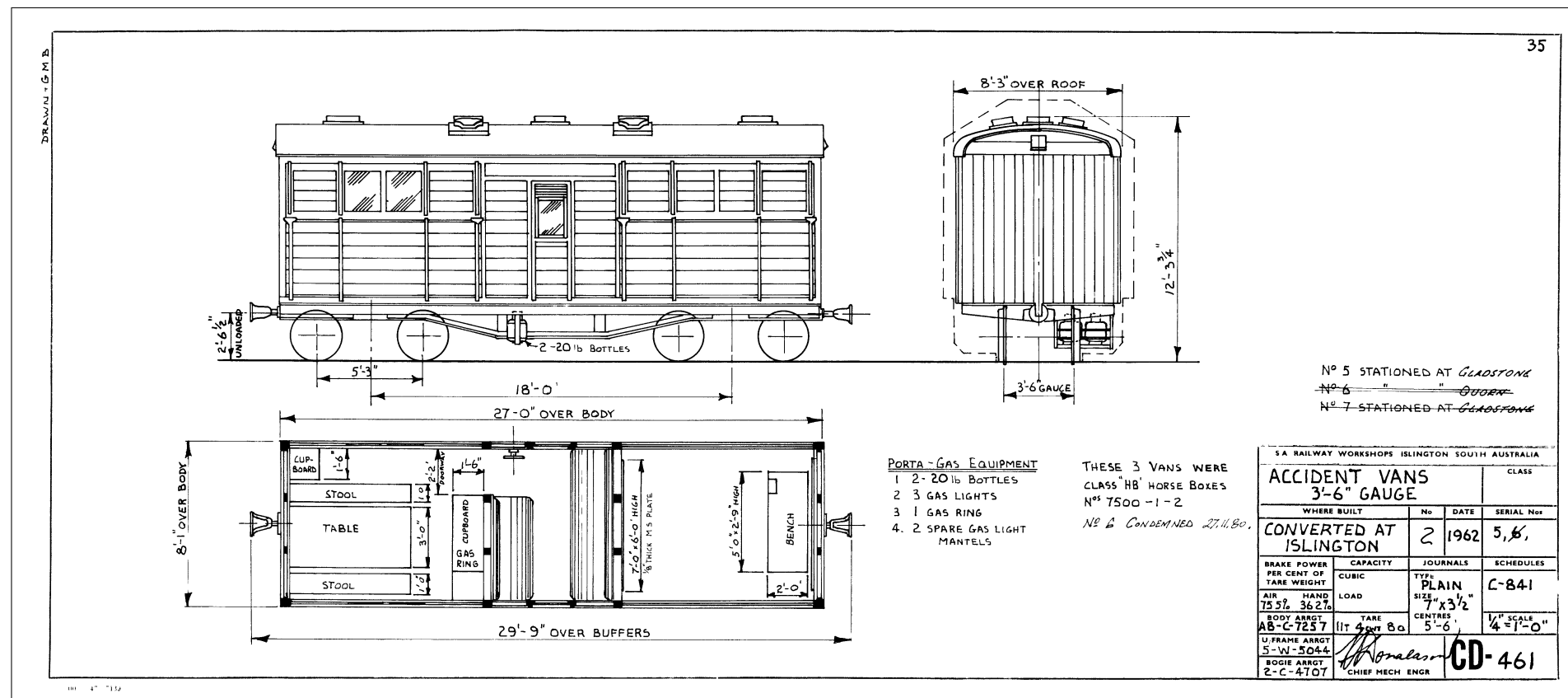
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2.17 Weighbridge Test Car - CD463



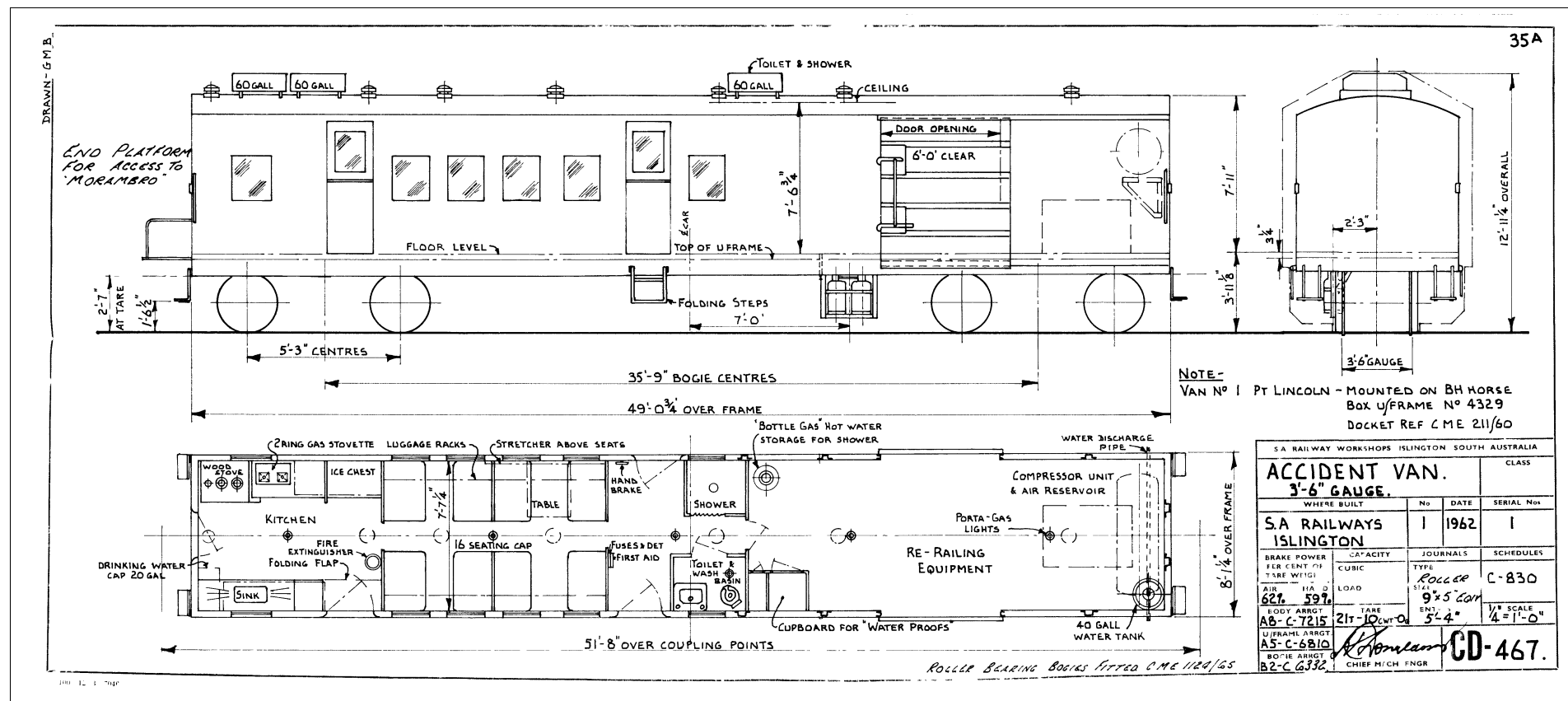
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2.18 Accident Van NG - CD461



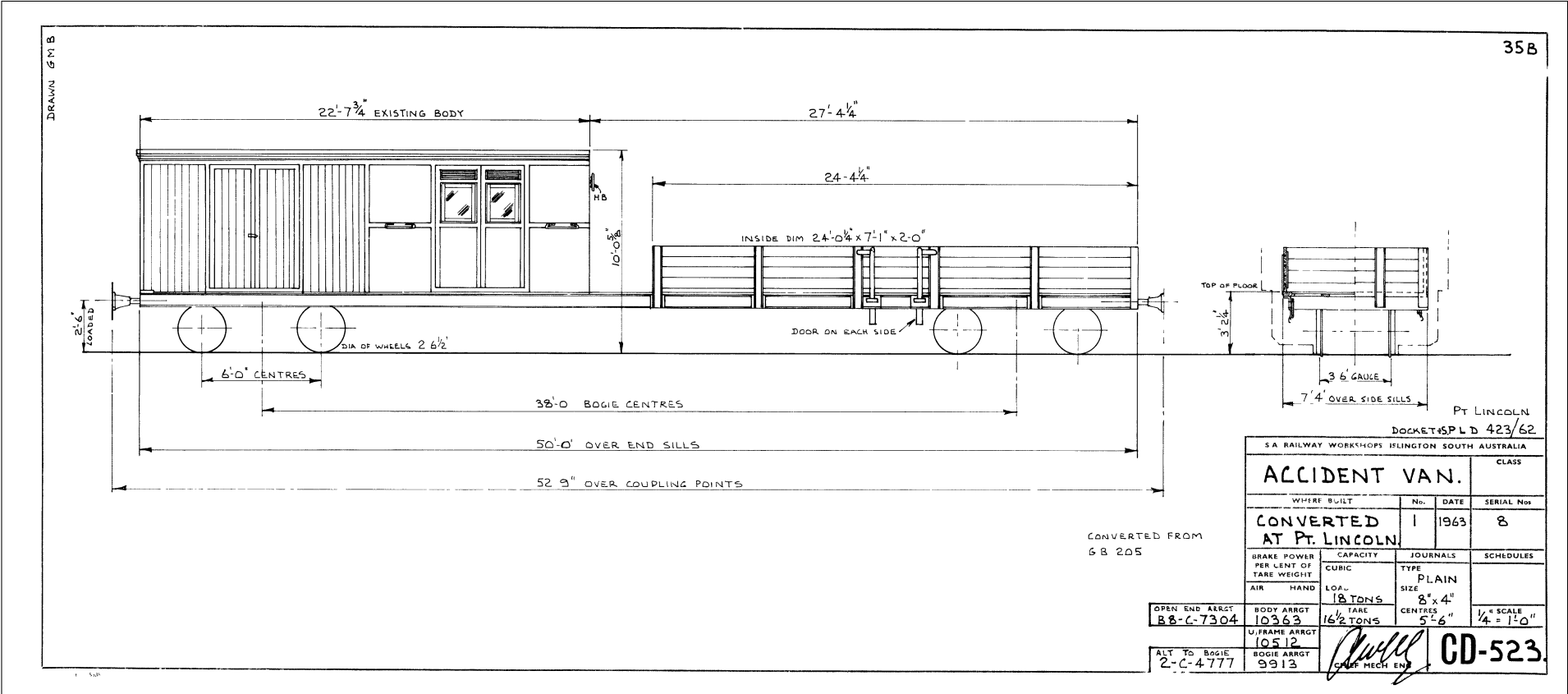
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2.19 Accident Van NG - CD467



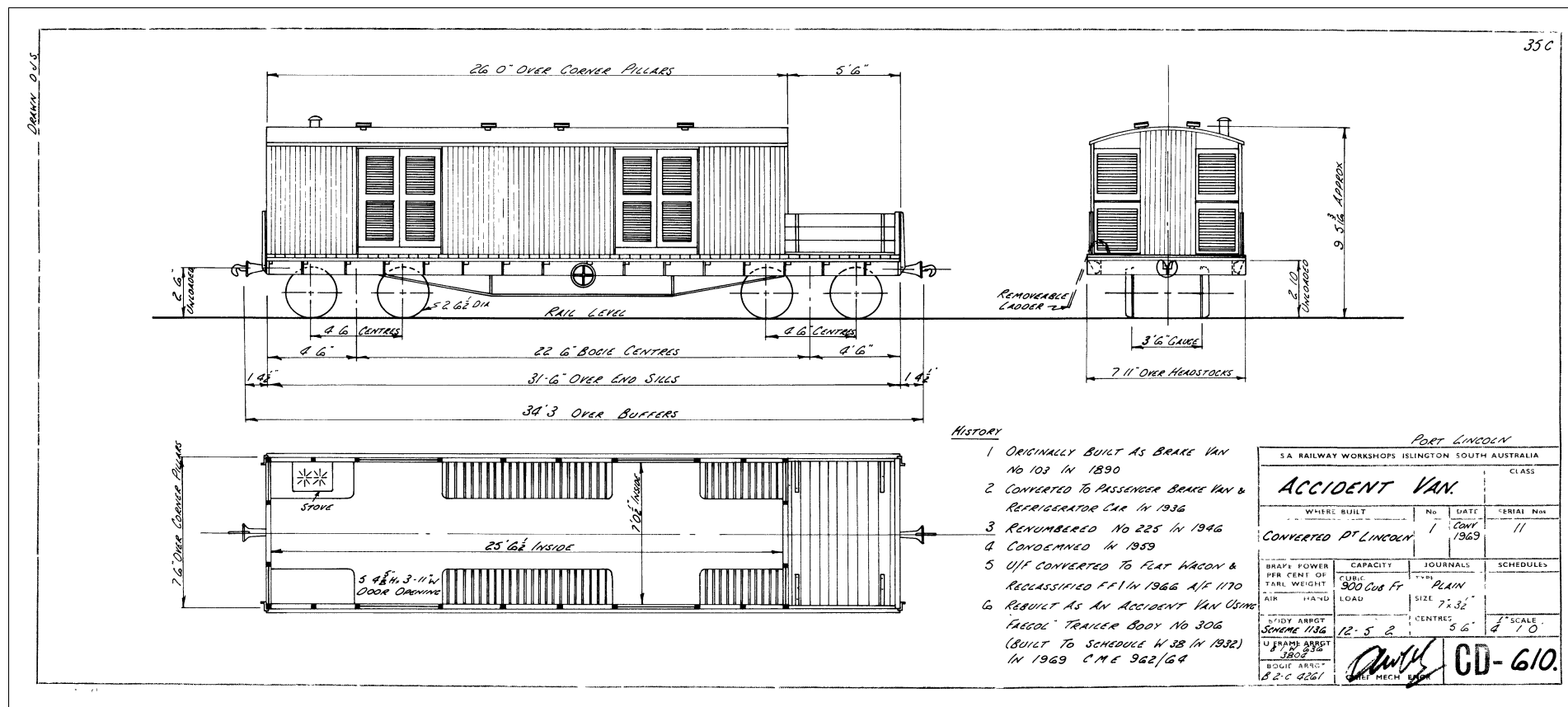
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2.20 Accident Van NG - CD523



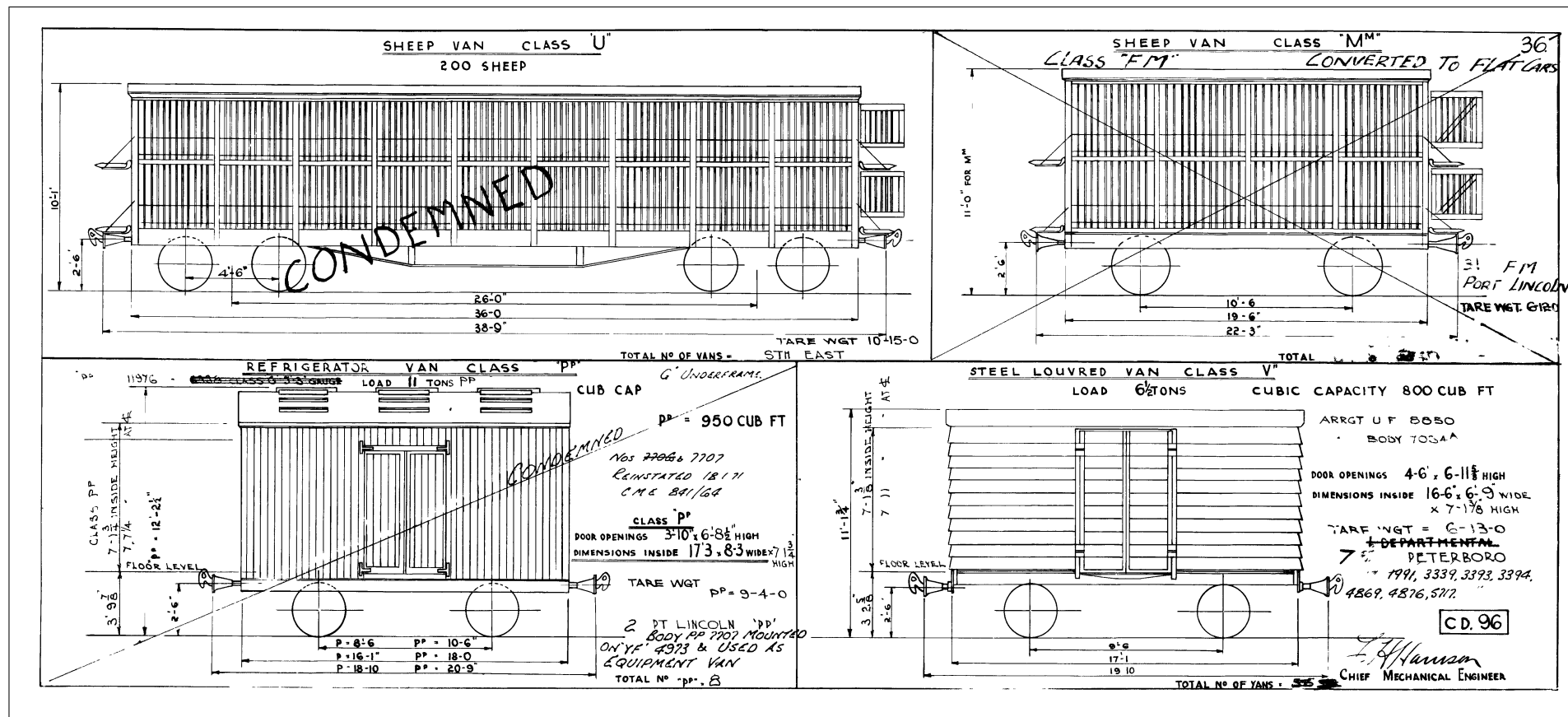
PlanId: ng35b

2.21 Accident Van NG - CD610



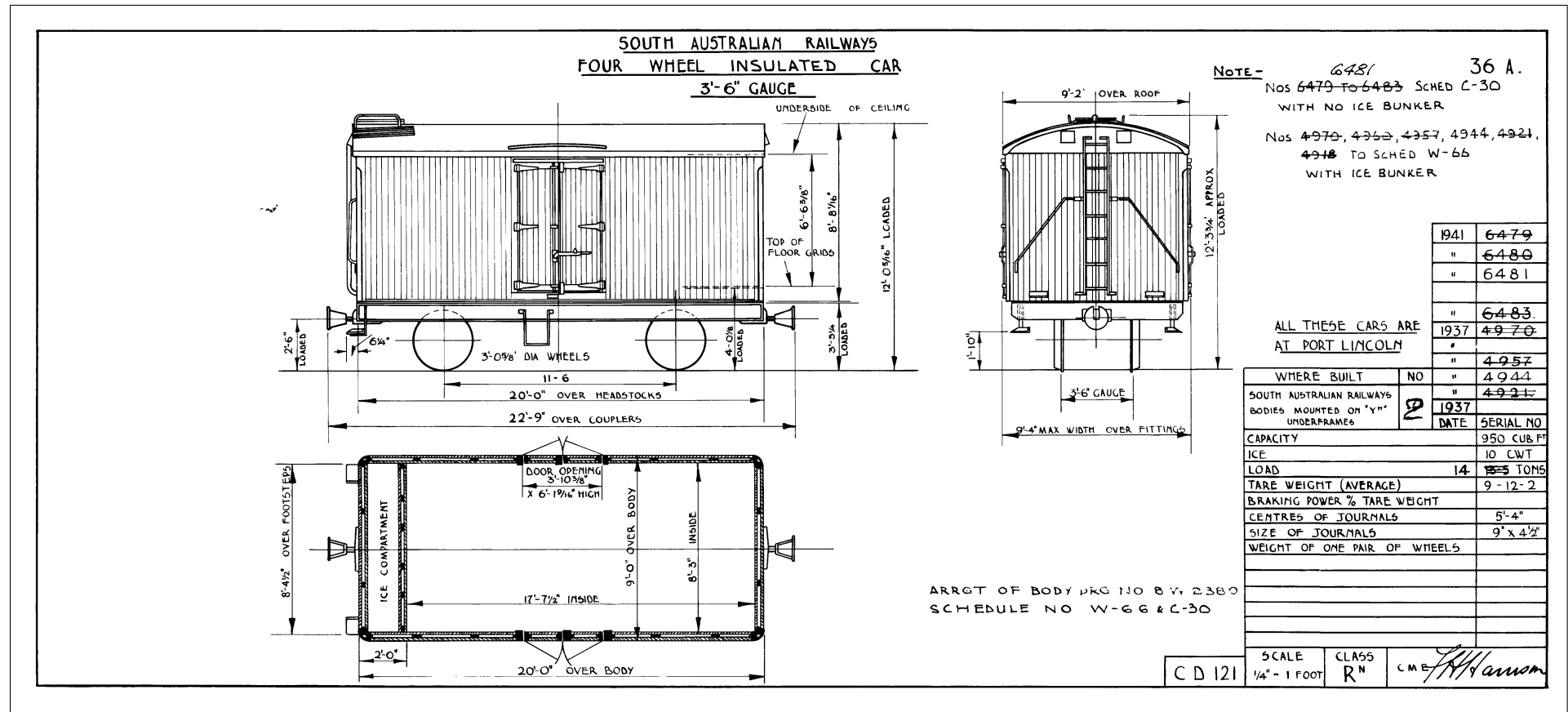
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2.22 V Steel Louvred Van NG - CD96



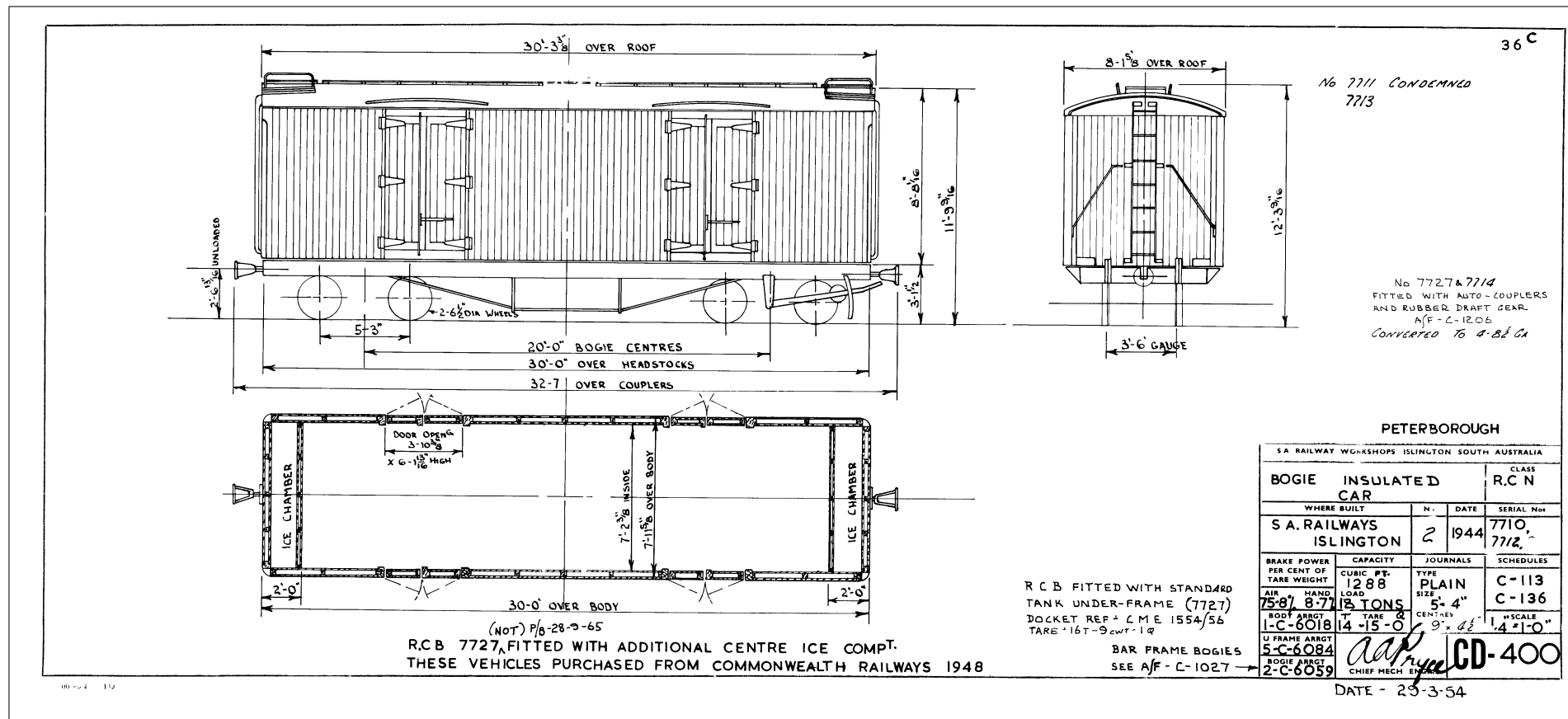
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2.23 RN 4 Wheel Insulated Car NG - CD121



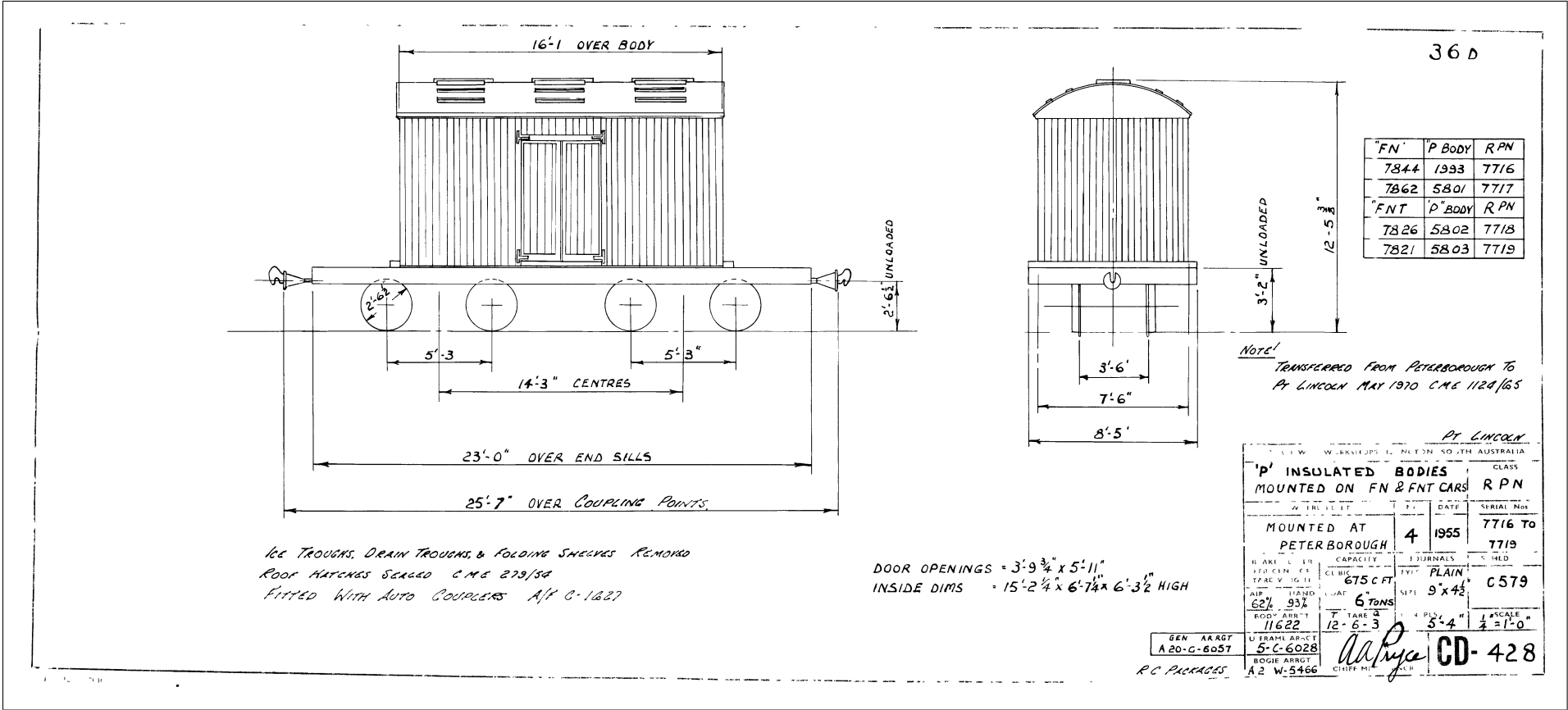
PlanId: ng36a

2.24 RCN Bogie Insulated Car NG - CD400



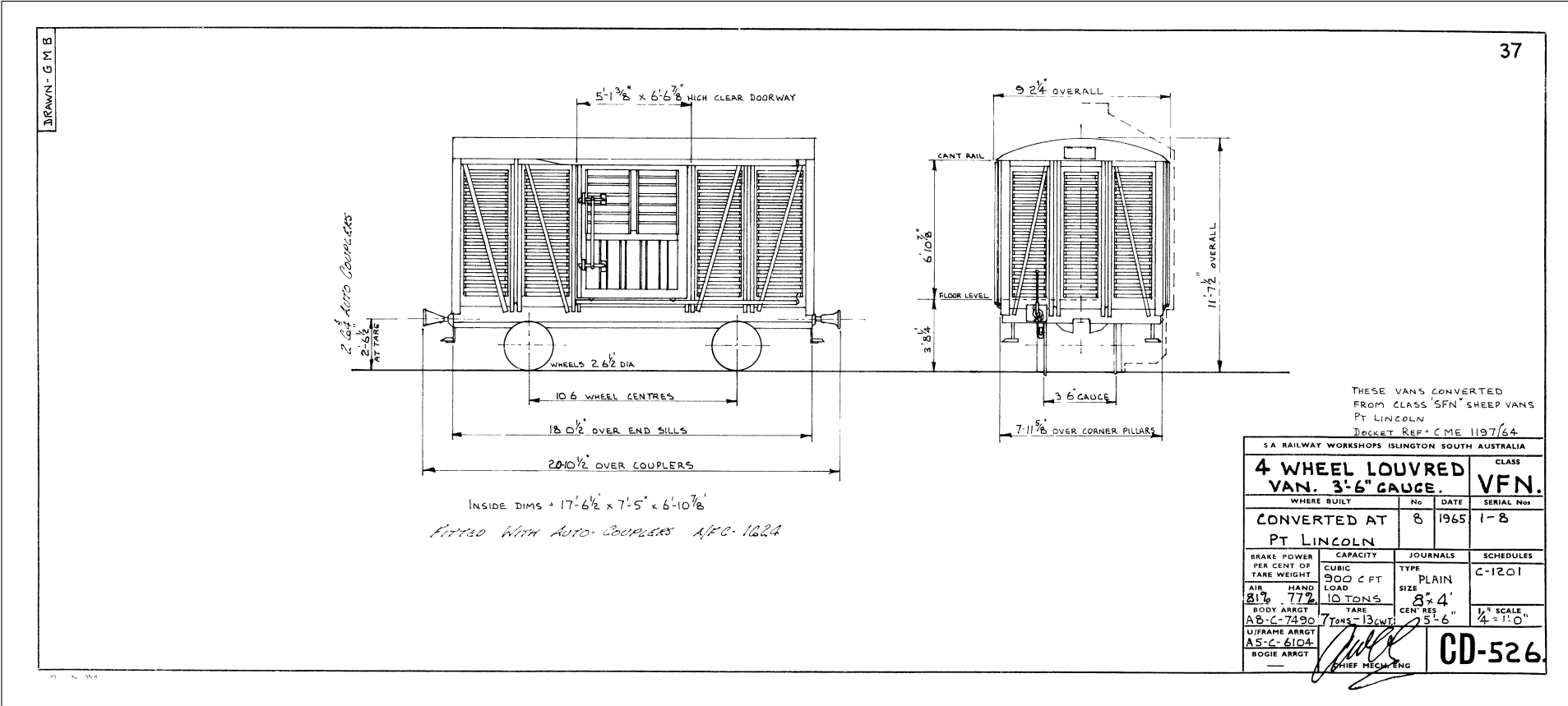
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2.25 RPN P Insulated Bodies Mounted on FN &FNT cars - CD428



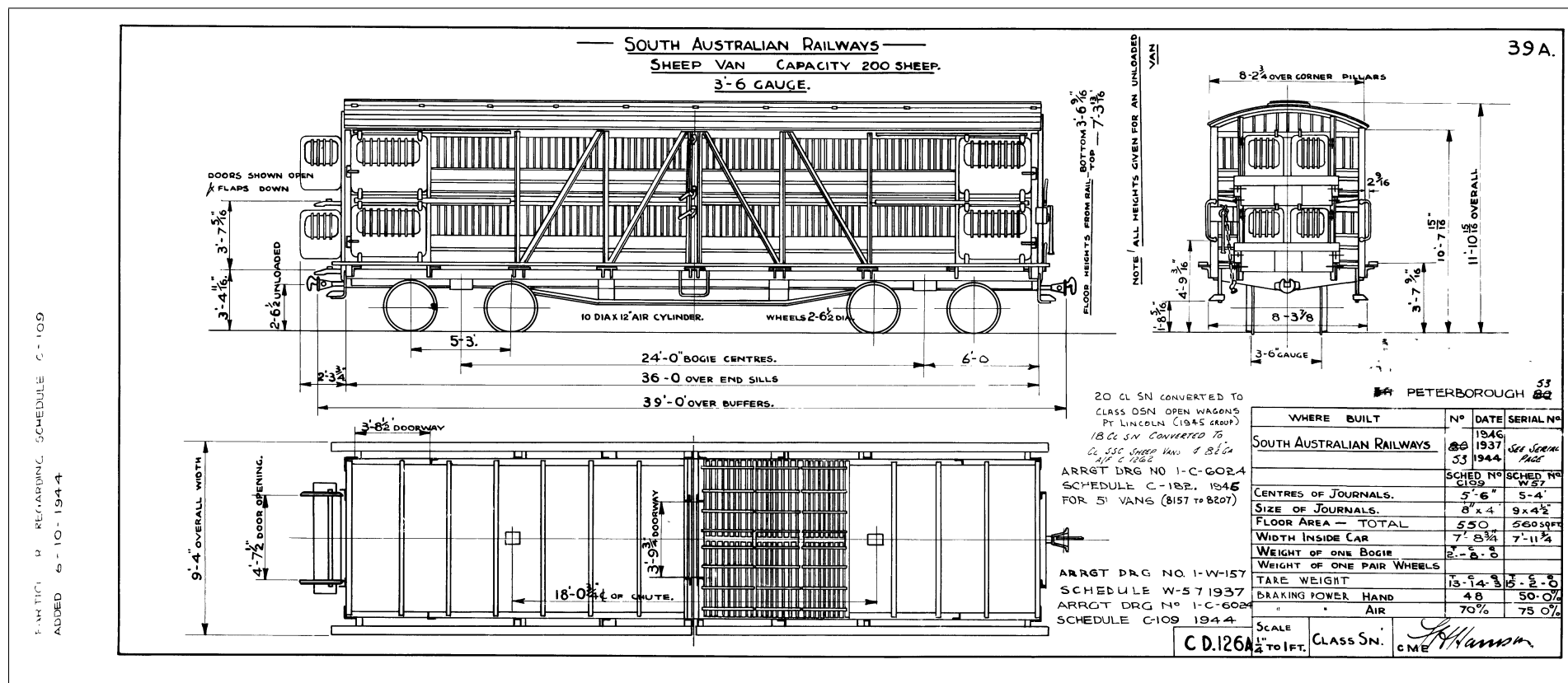
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2.26 VFN 4 Wheel Louvred Van NG - CD526



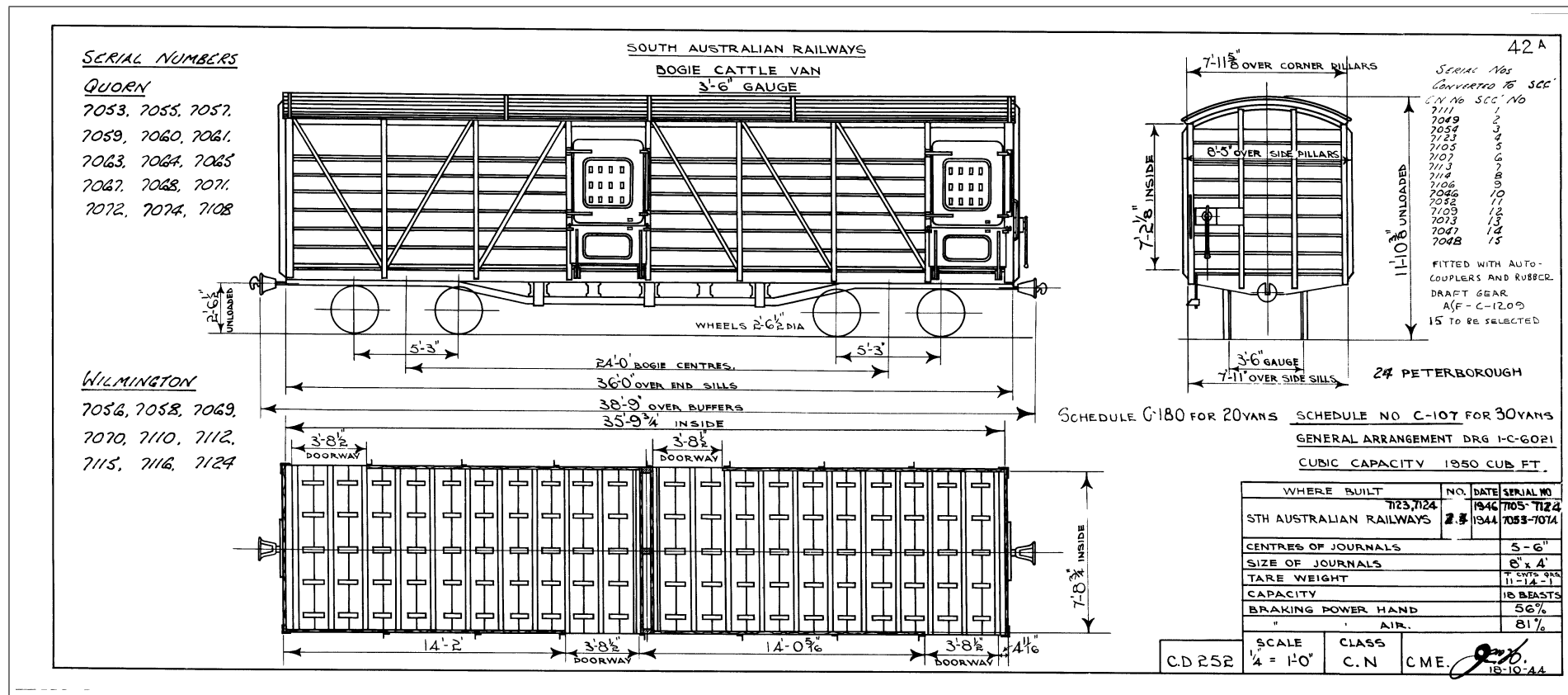
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2.27 SN Bogie Sheep Van NG - CD126A



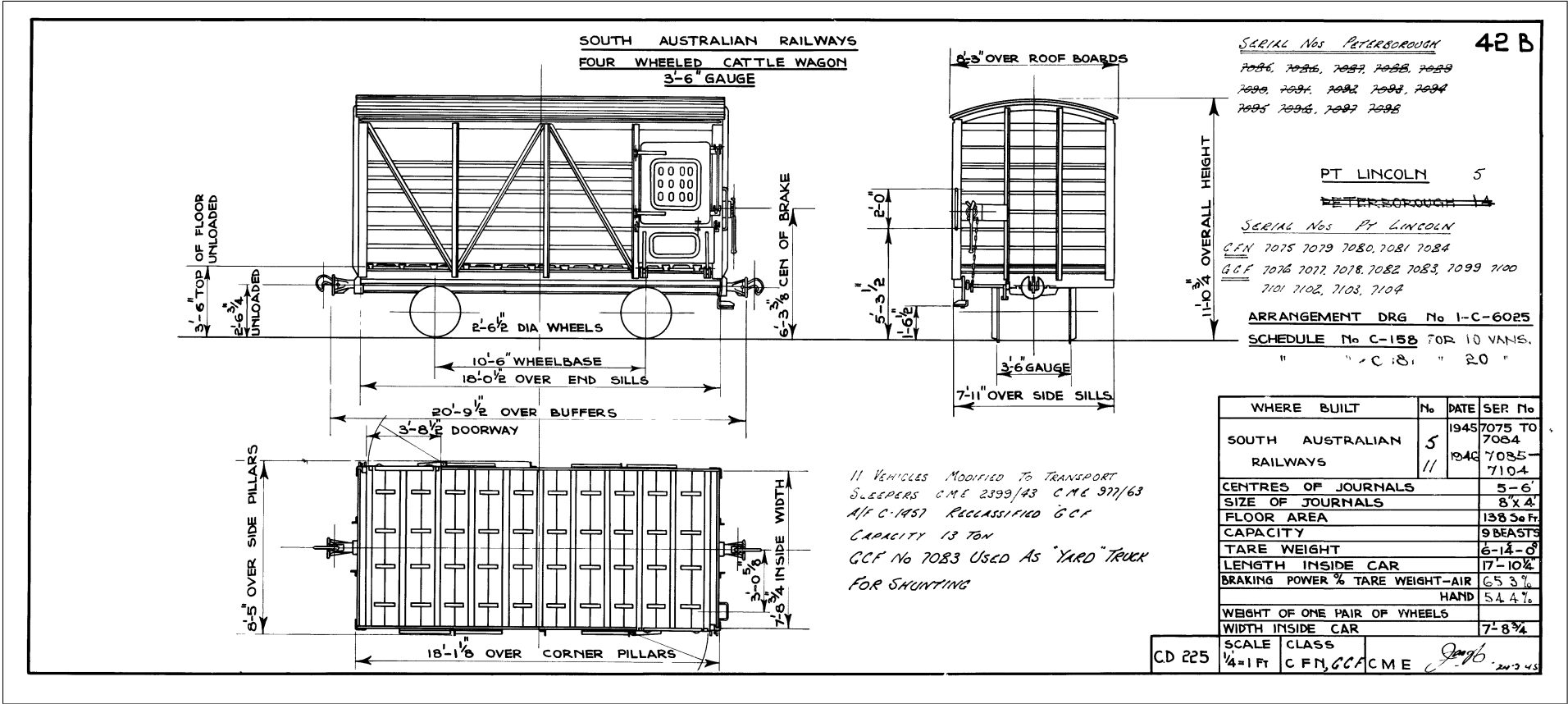
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2.28 CN Bogie Cattle Van NG - CD252



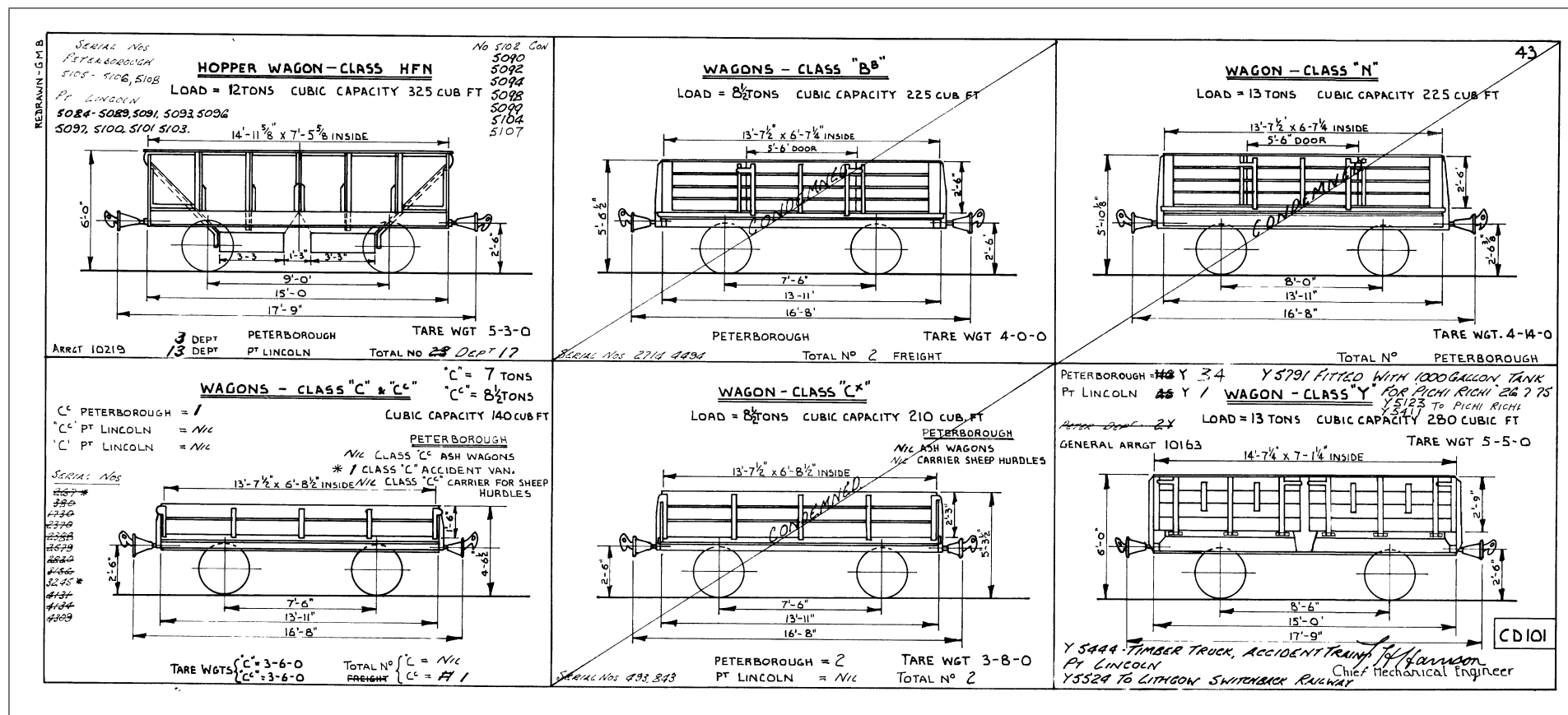
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2.29 CFN GCF 4 Wheel Cattle Van - CD225



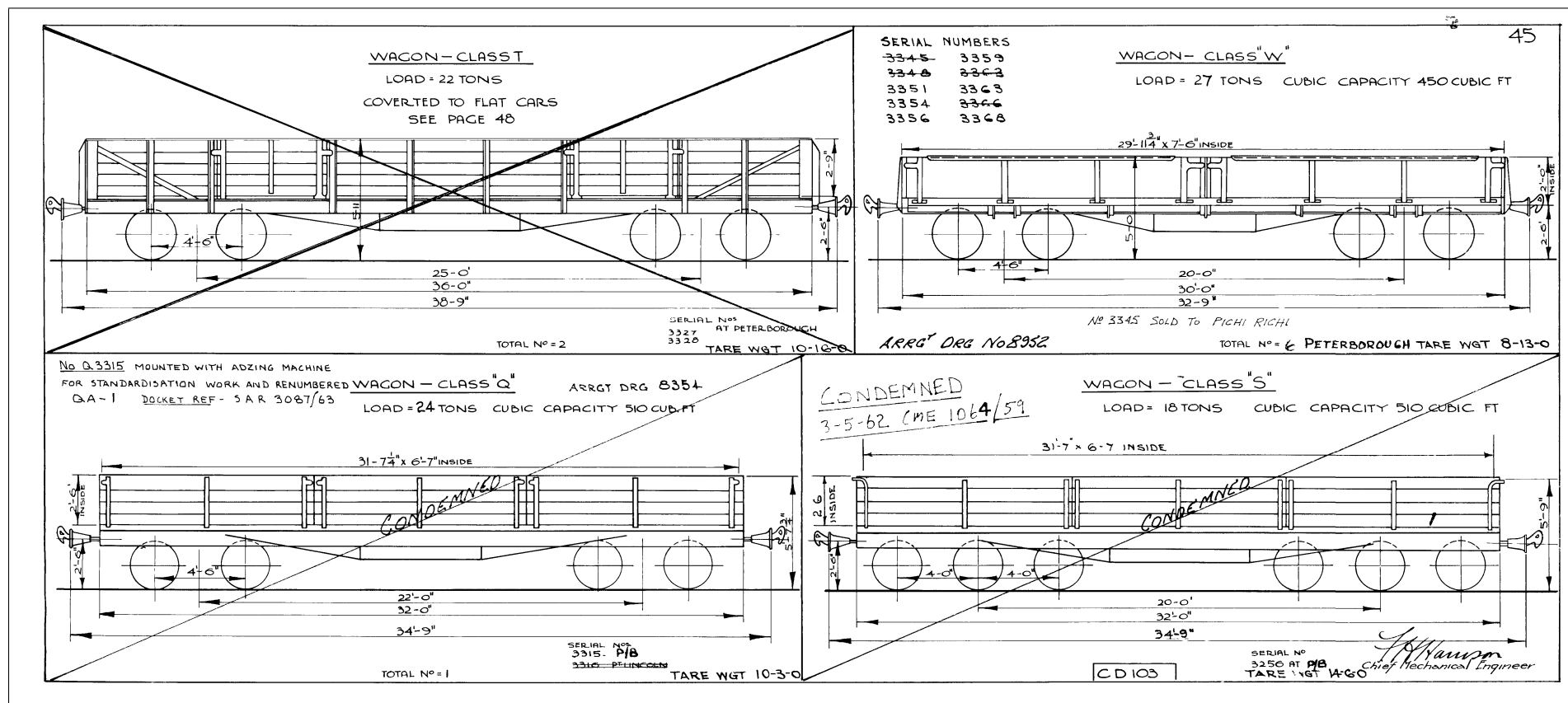
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2.30 Y 4 Wheel 4 plank open wagon NG - CD101



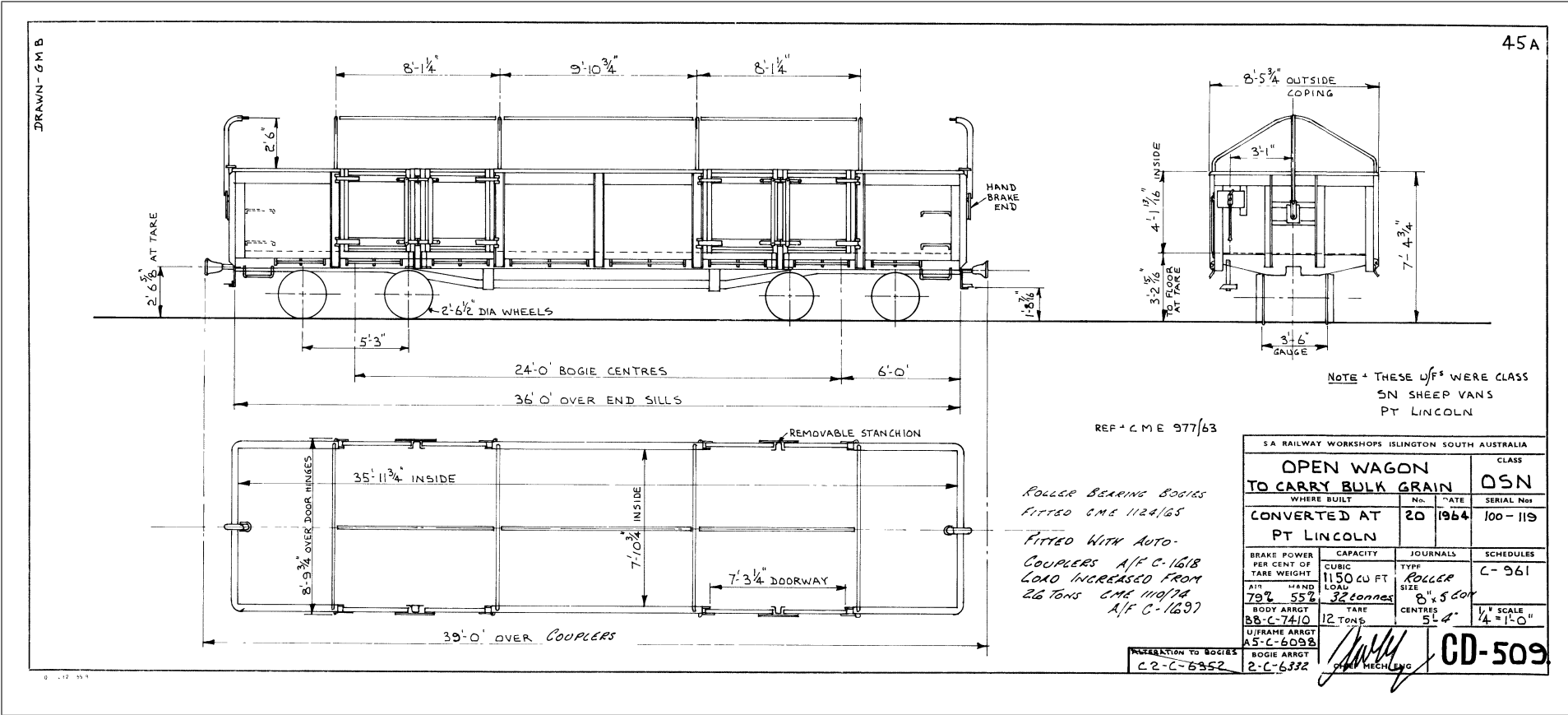
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2.31 W Bogie Steel Open Wagon NG



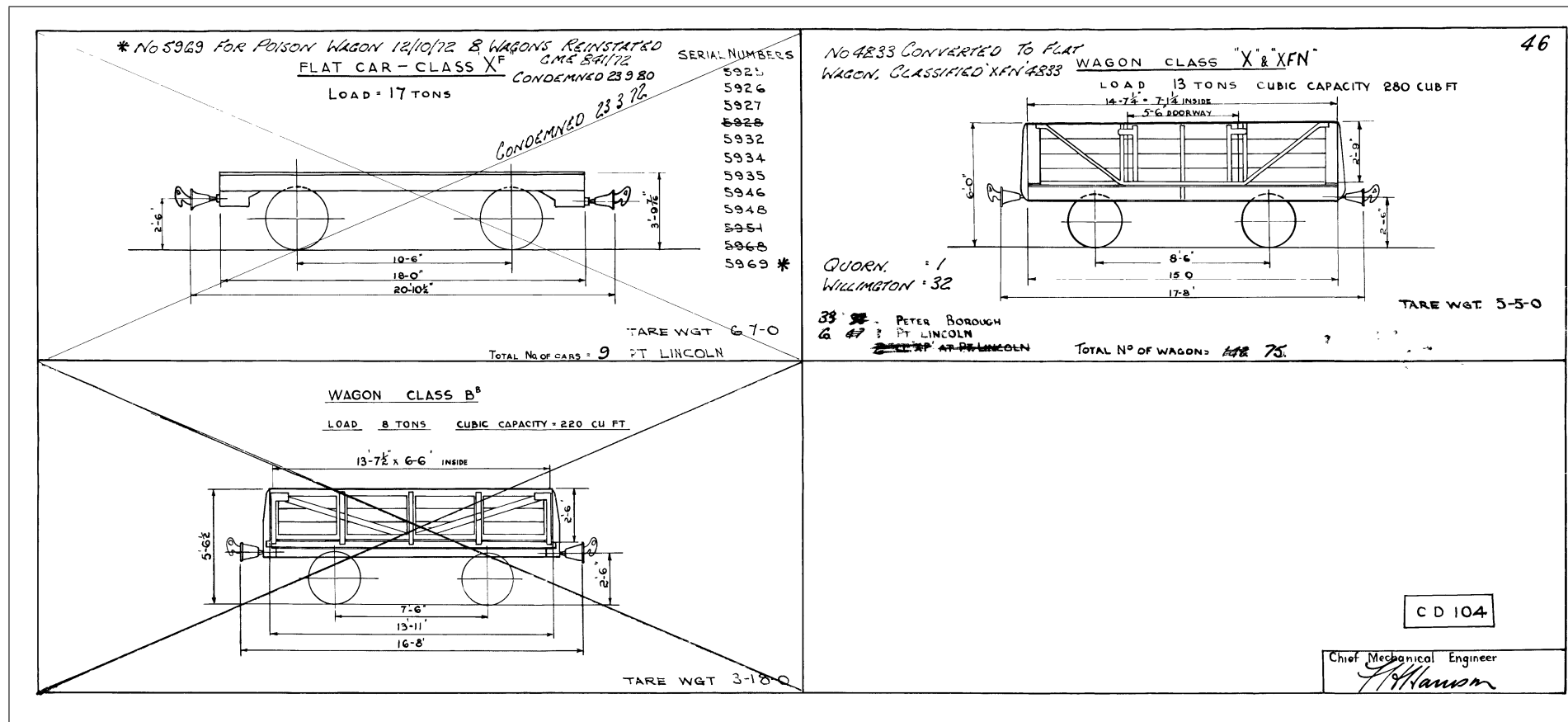
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2.32 OSN Open Wagon to Carry Bulk Grain - CD509



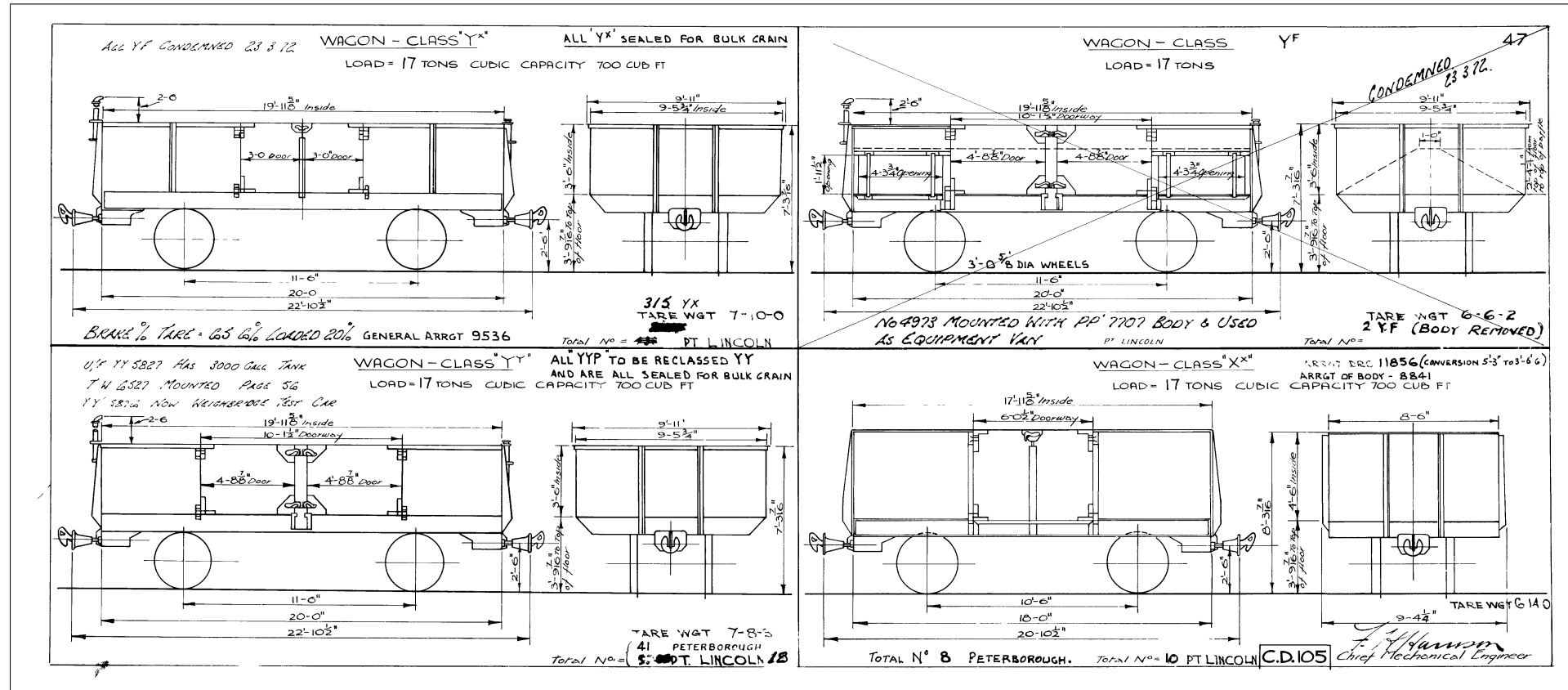
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2.34 XXFN 4 Wheel 4 wheel Open Wagon - CD104



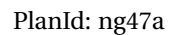
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2.35 XX Steel 4 Wheel Open Wagon - CD105

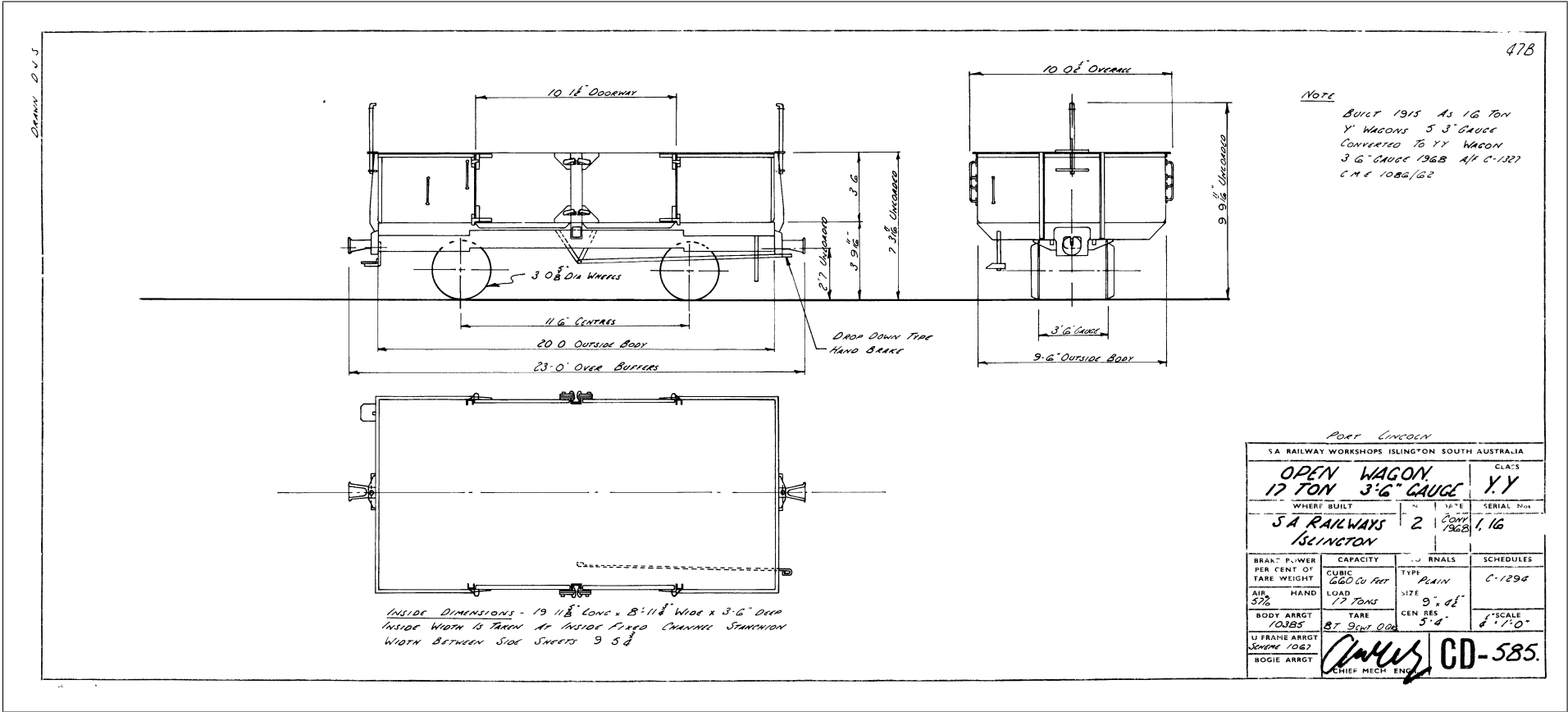


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44

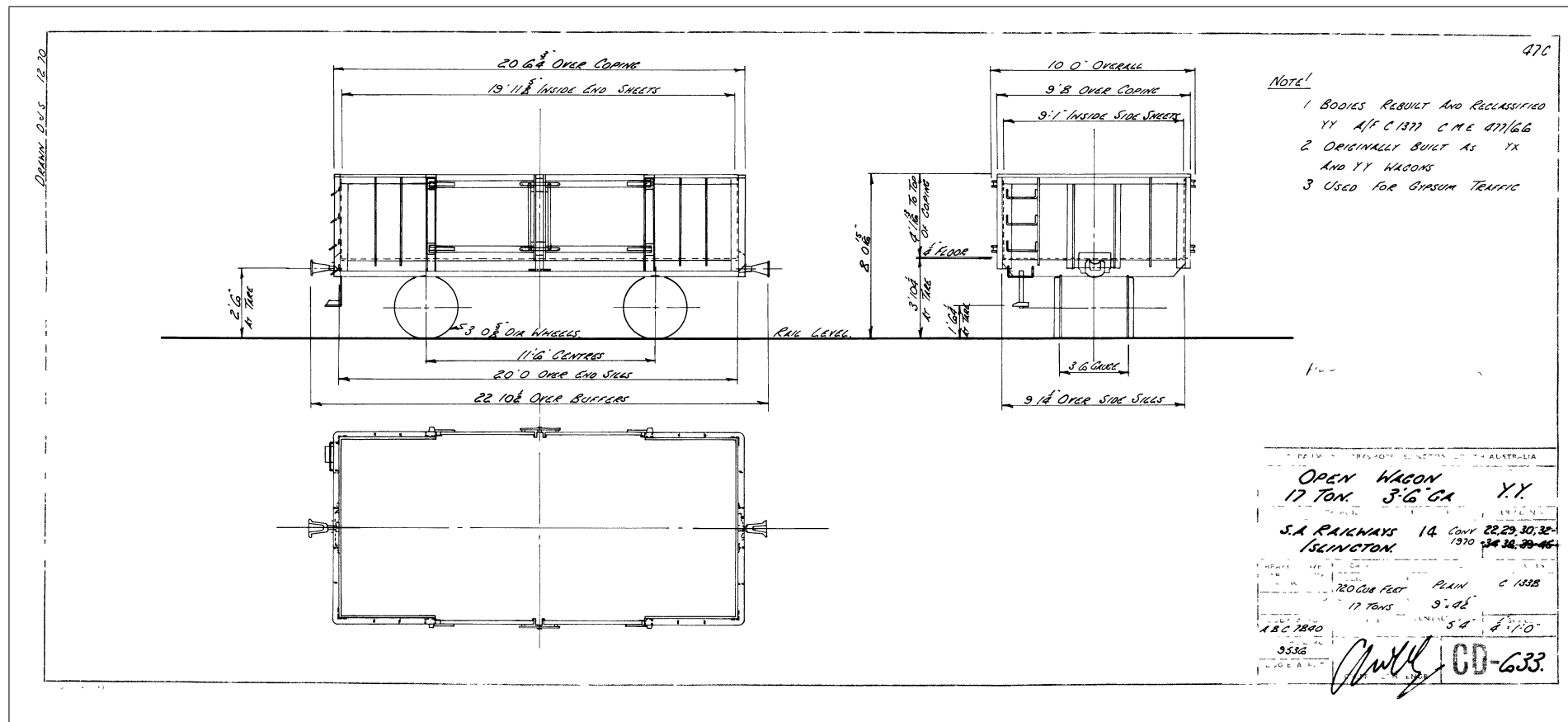


2.37 YY 17Ton Open Wagon NG - CD585



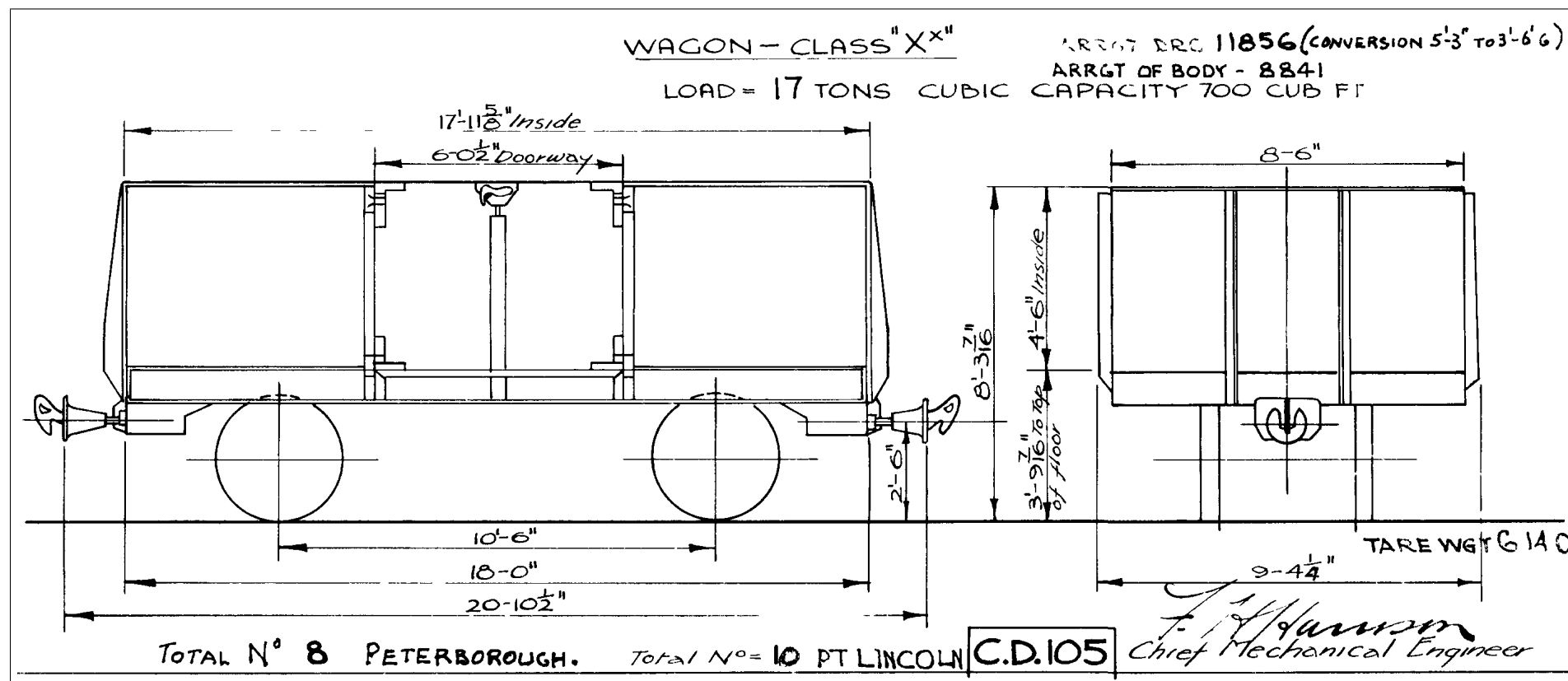
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2.38 YY 17Ton Open Wagon NG - CD633



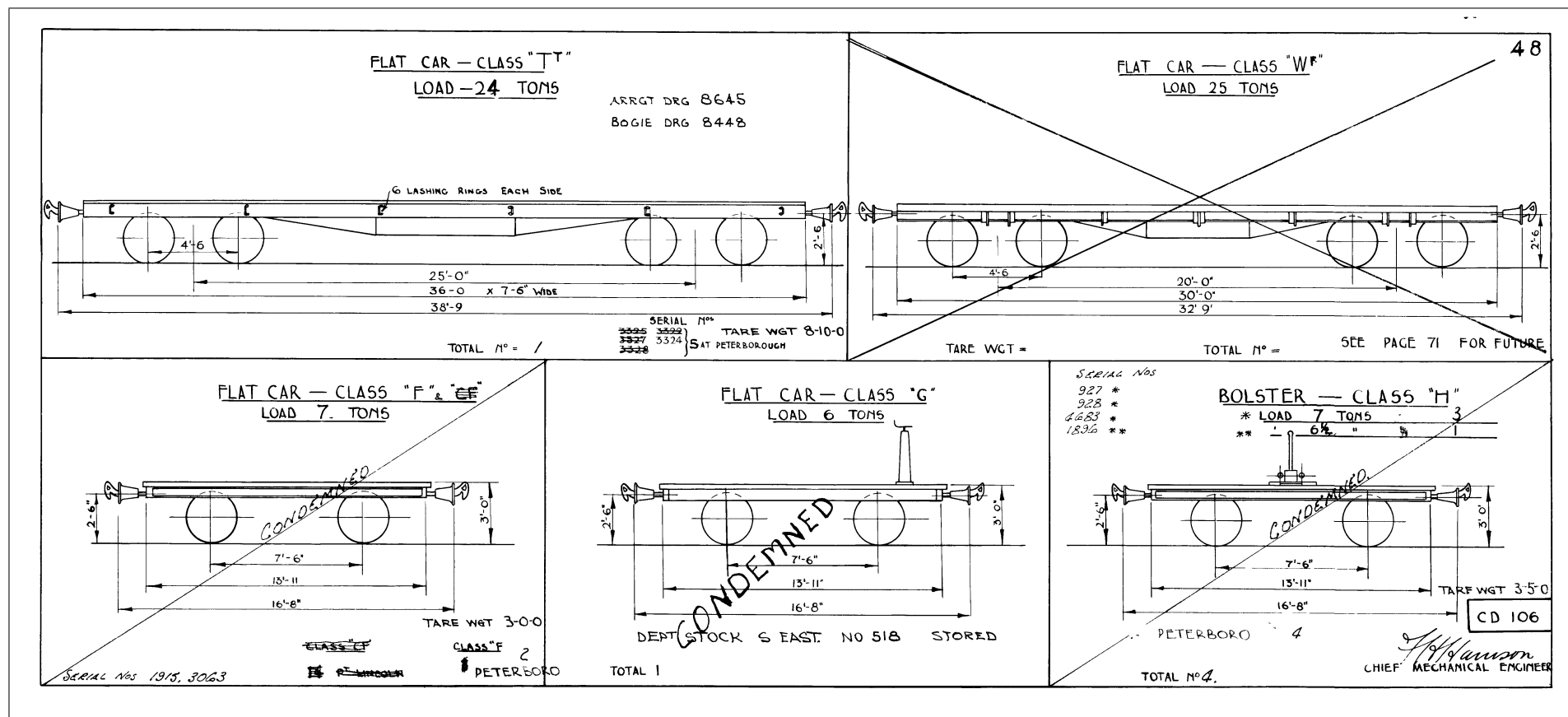
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2.39 XX 17Ton Open Wagon - CD105



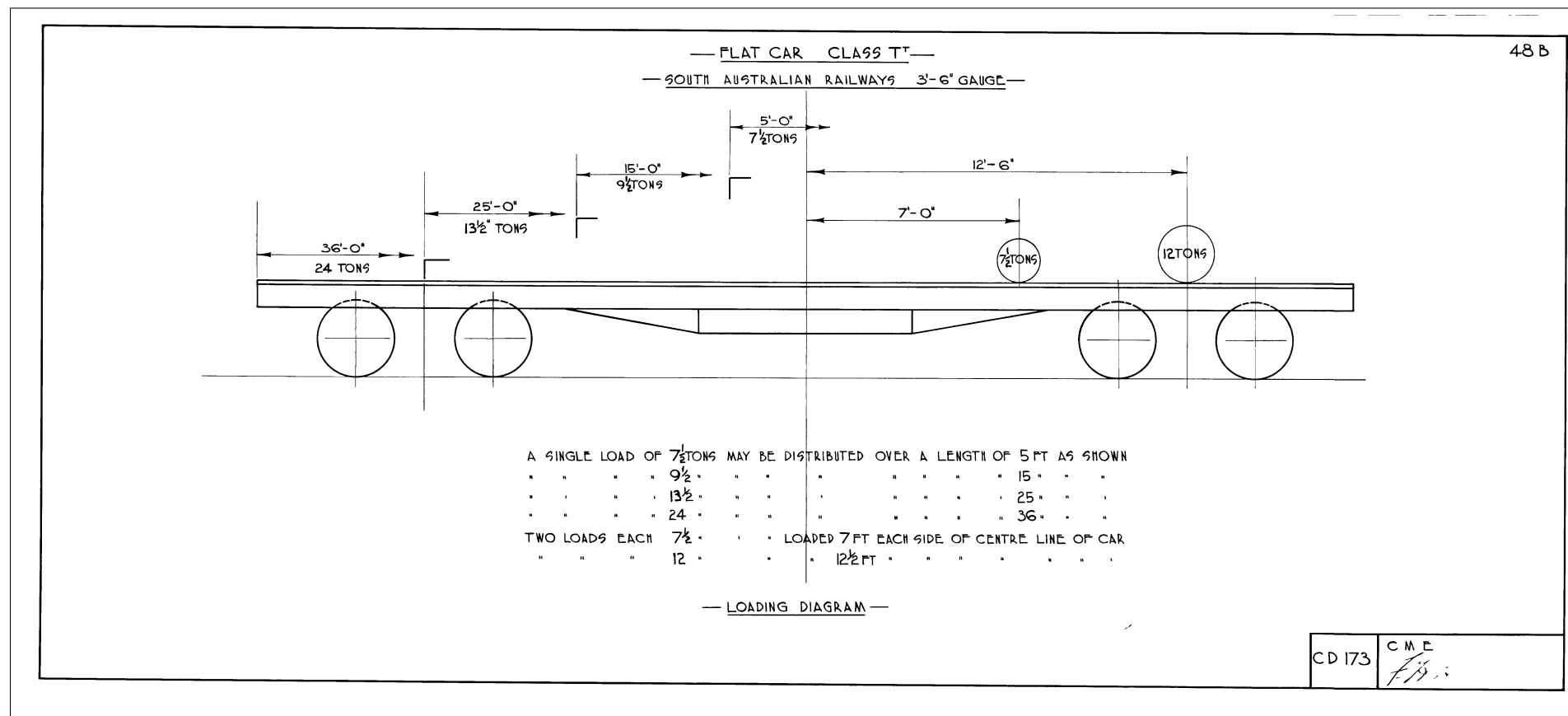
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2.40 TT Bogie Flat Car - CD106



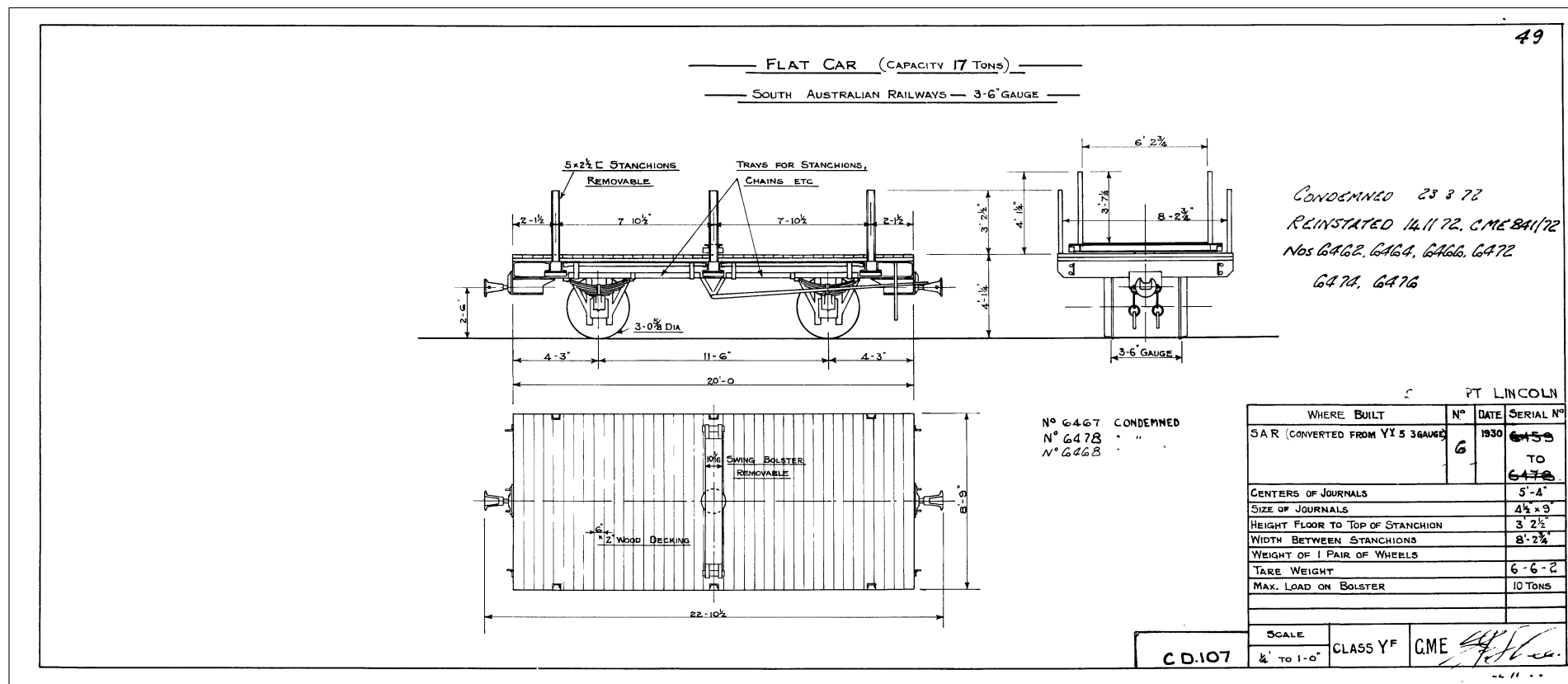
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2.41 TT Bogie Flat Car - CD173



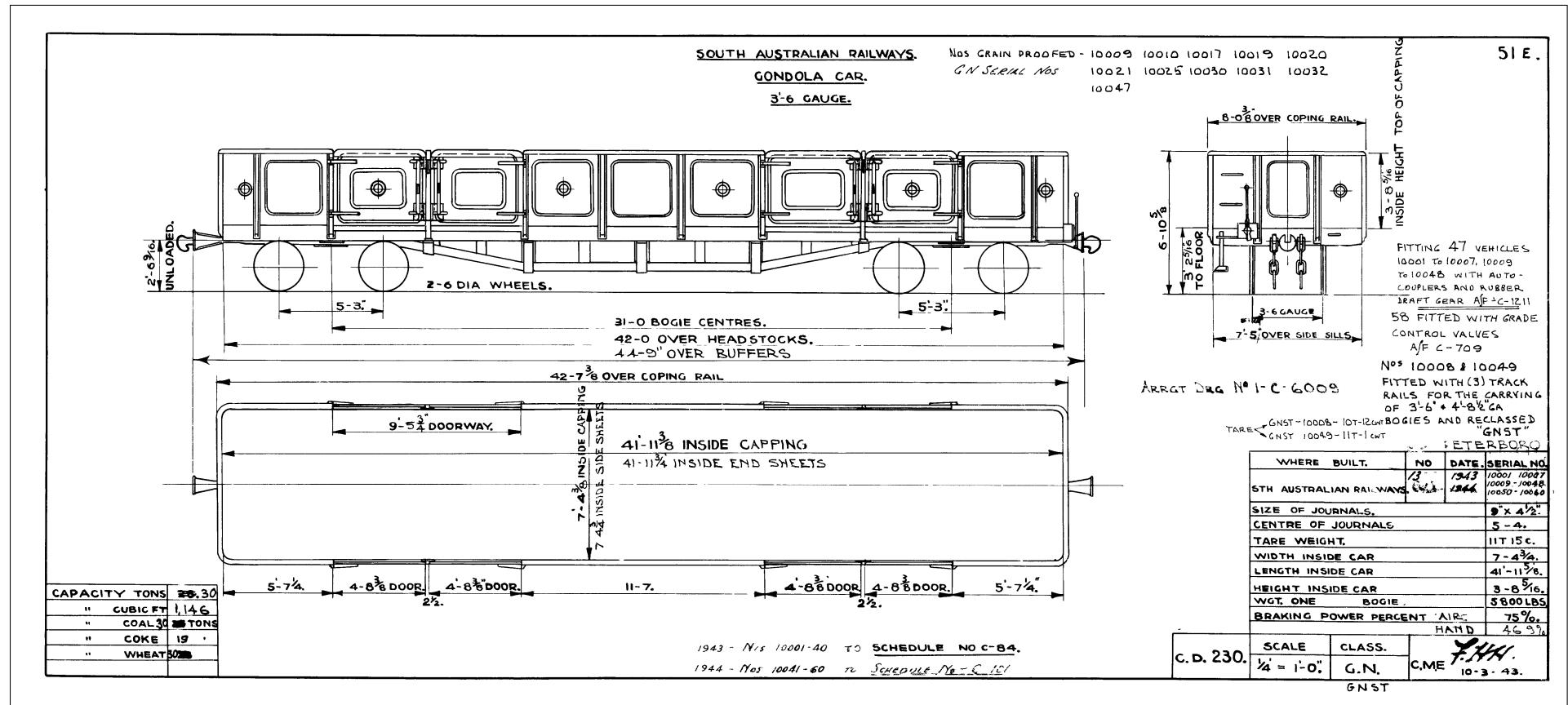
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2.42 YF Flat Car NG - CD107

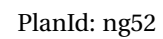


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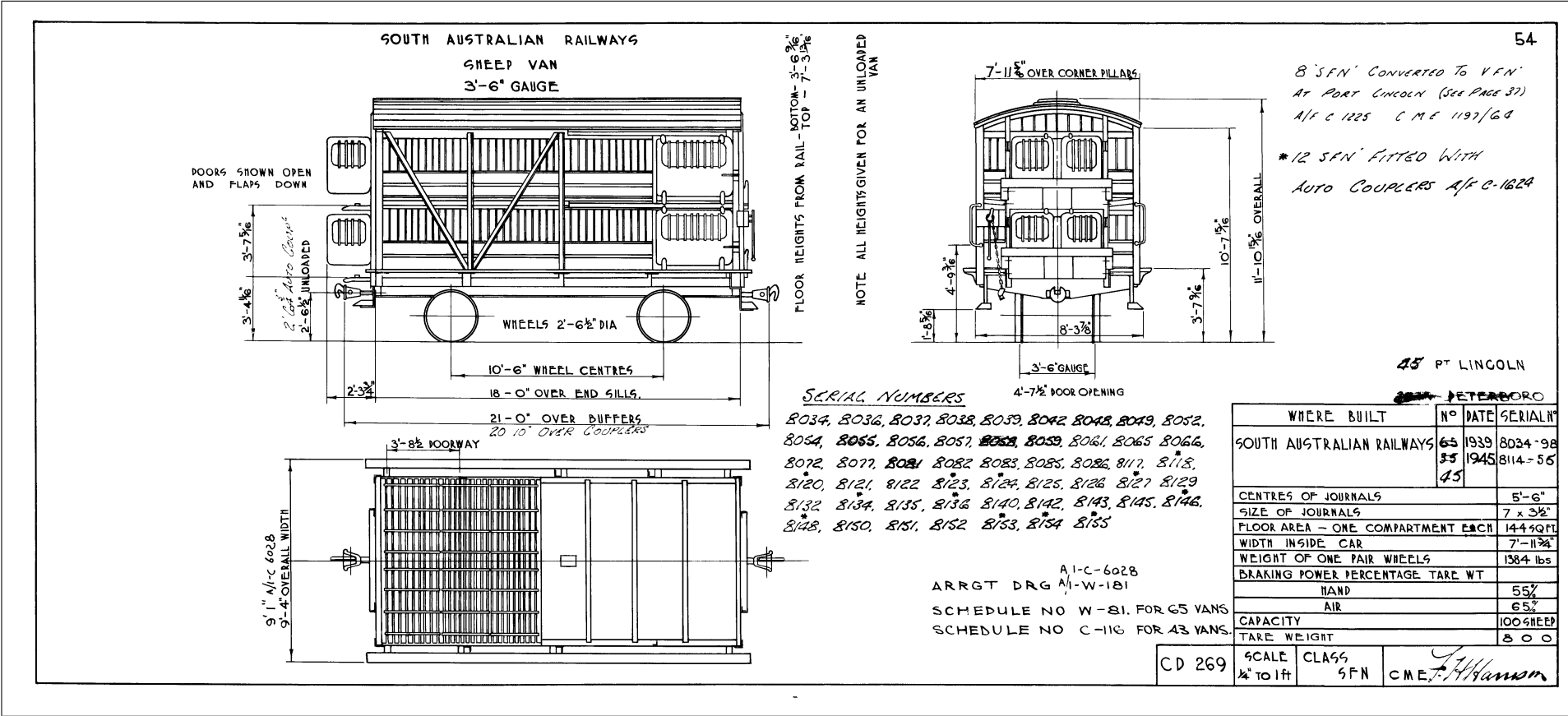
2.43 GN Gondola Car NG - CD230



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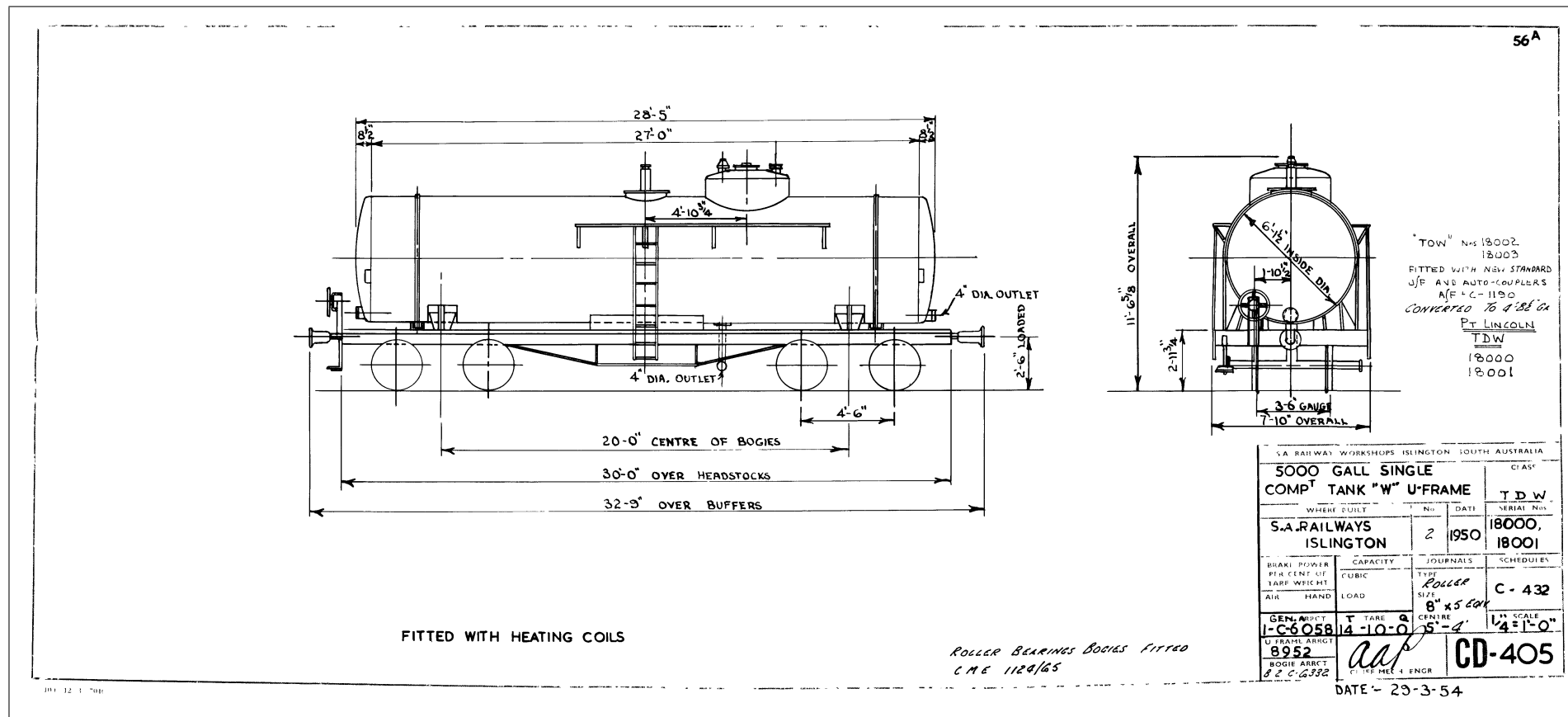


2.46 SFN 4 Wheel Sheep Van NG - CD269



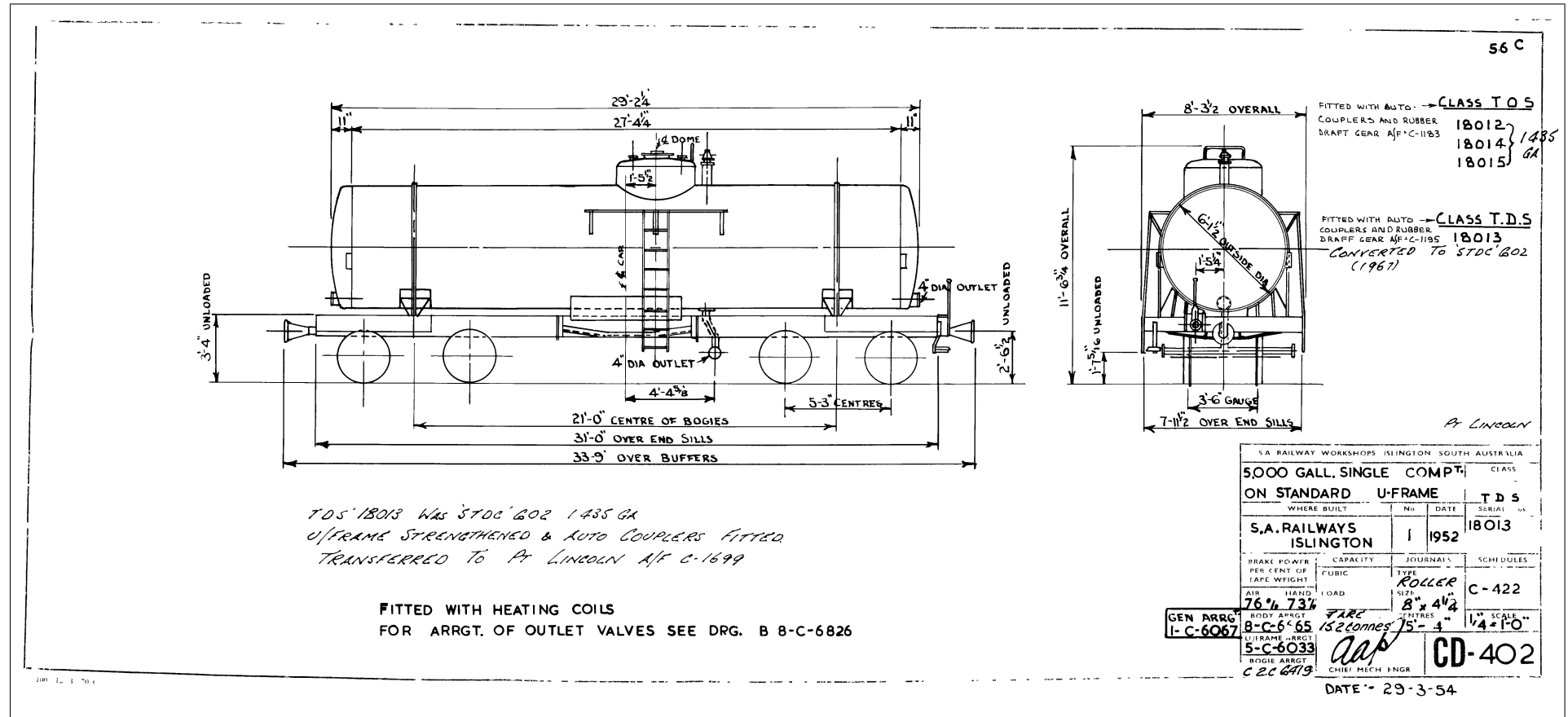
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2.48 TDW 5000gal Single Compartment Tank W Underframe - CD405



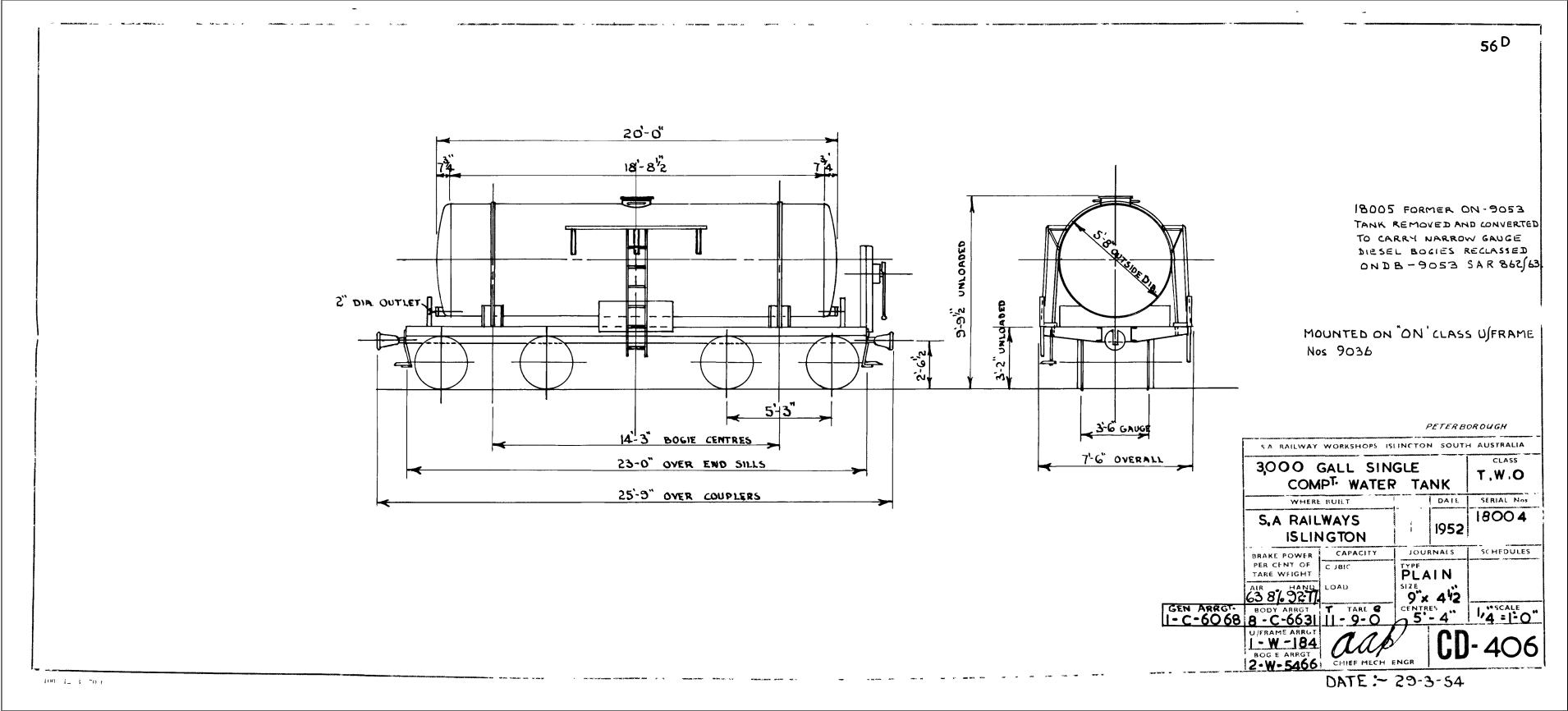
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2.49 TDS 5000gal Single Compartment Tank Wagon on Standard Underframe - CD402



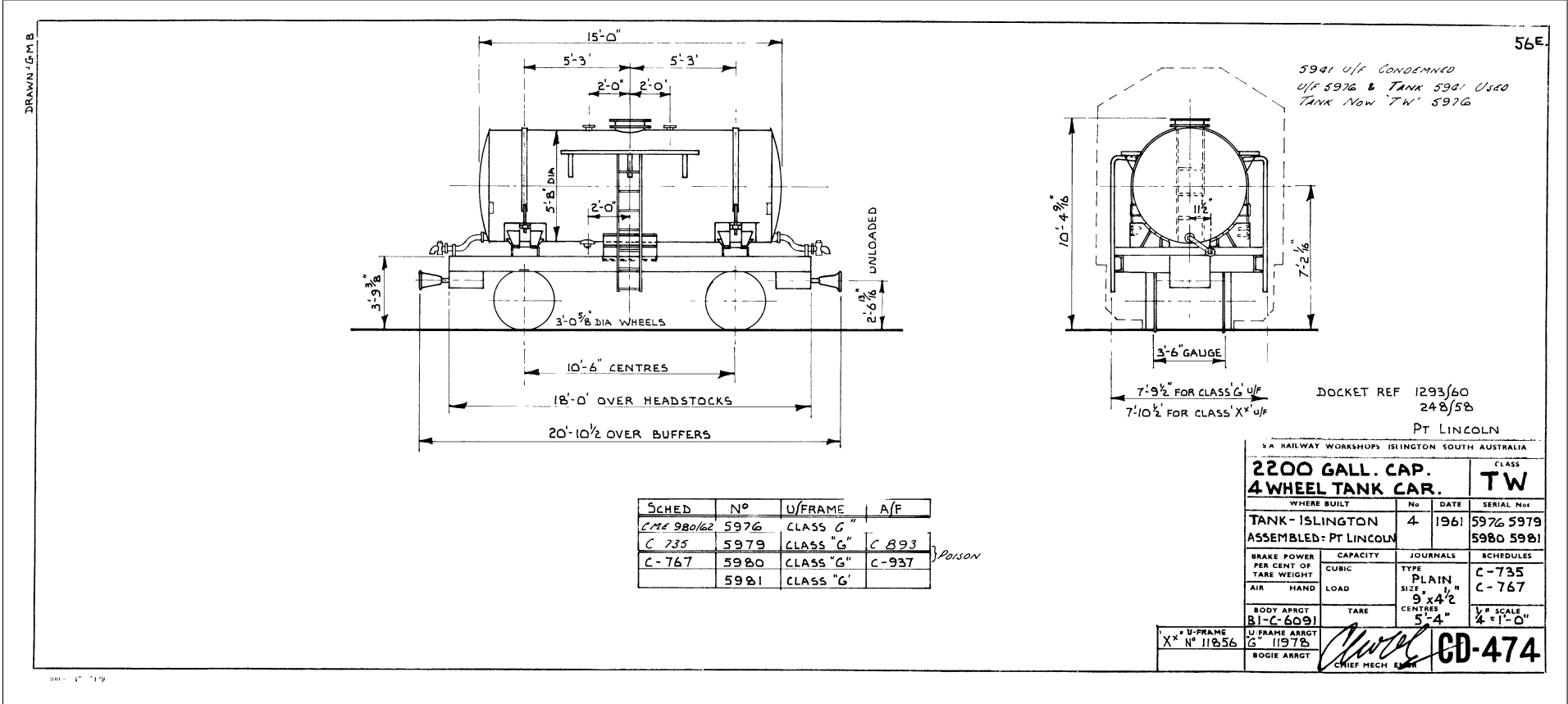
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2.50 TWO 3000gal Single Compartment Water Tank Wagon - CD406



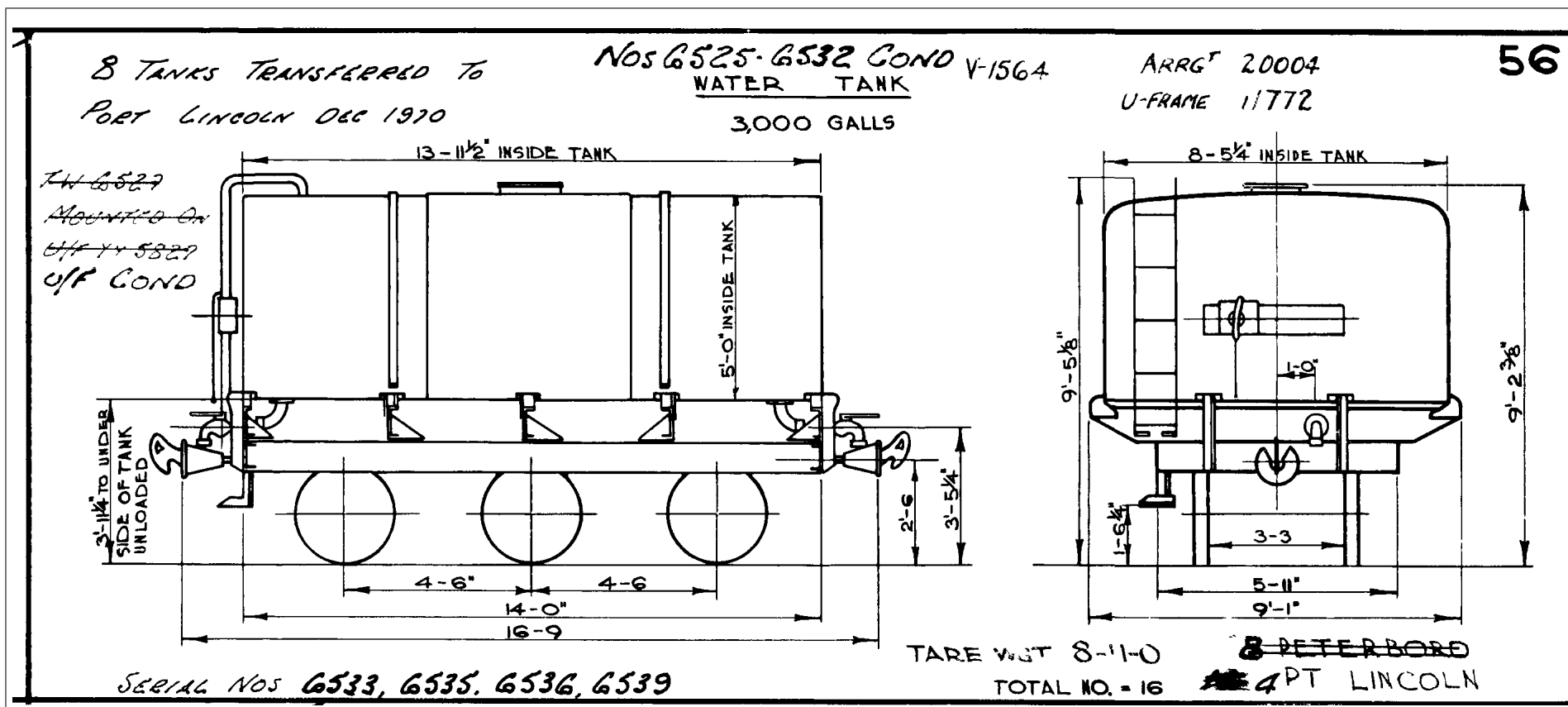
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2.51 TW 2200gal 4 Wheel Tank Wagon - CD474



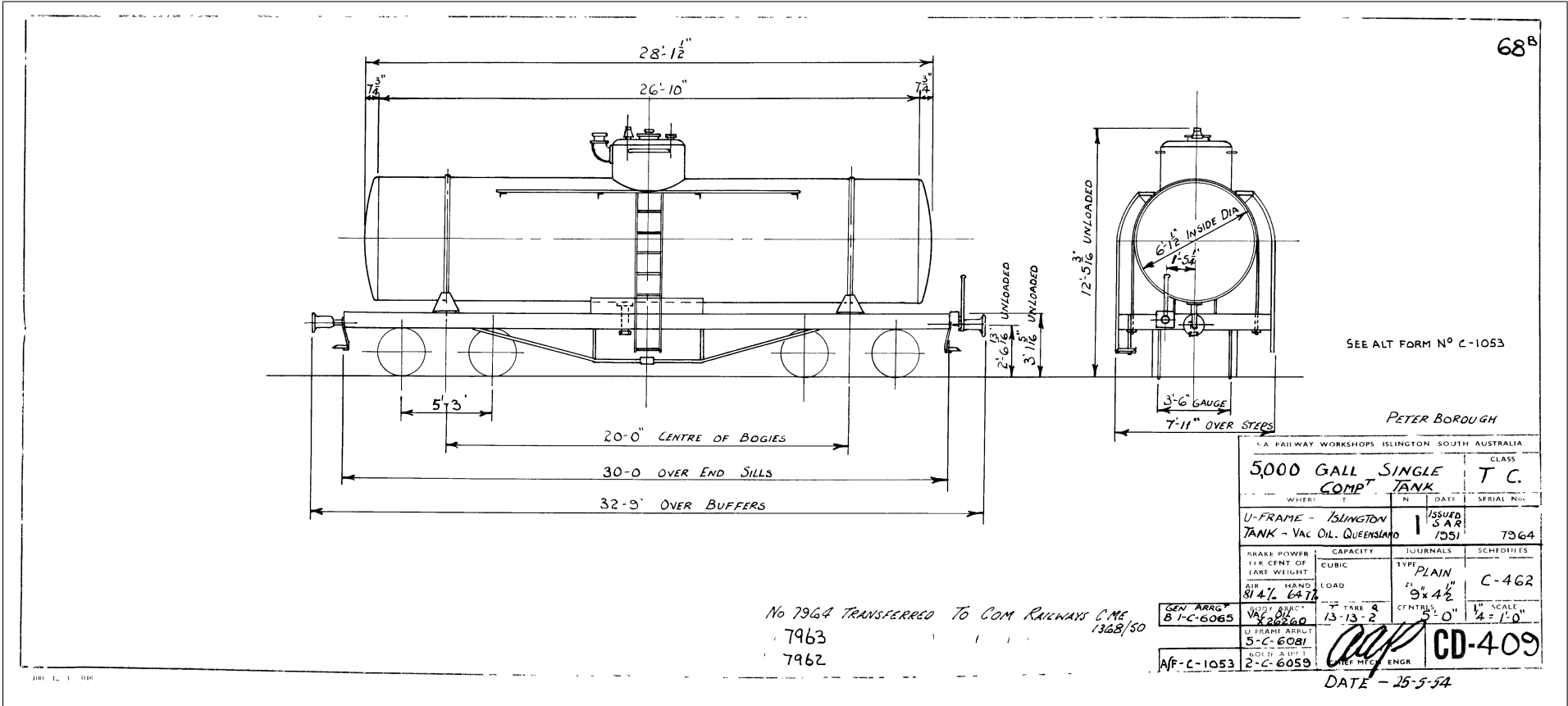
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2.52 Water Tank 3000gal 6 Wheel - No.6525-6532



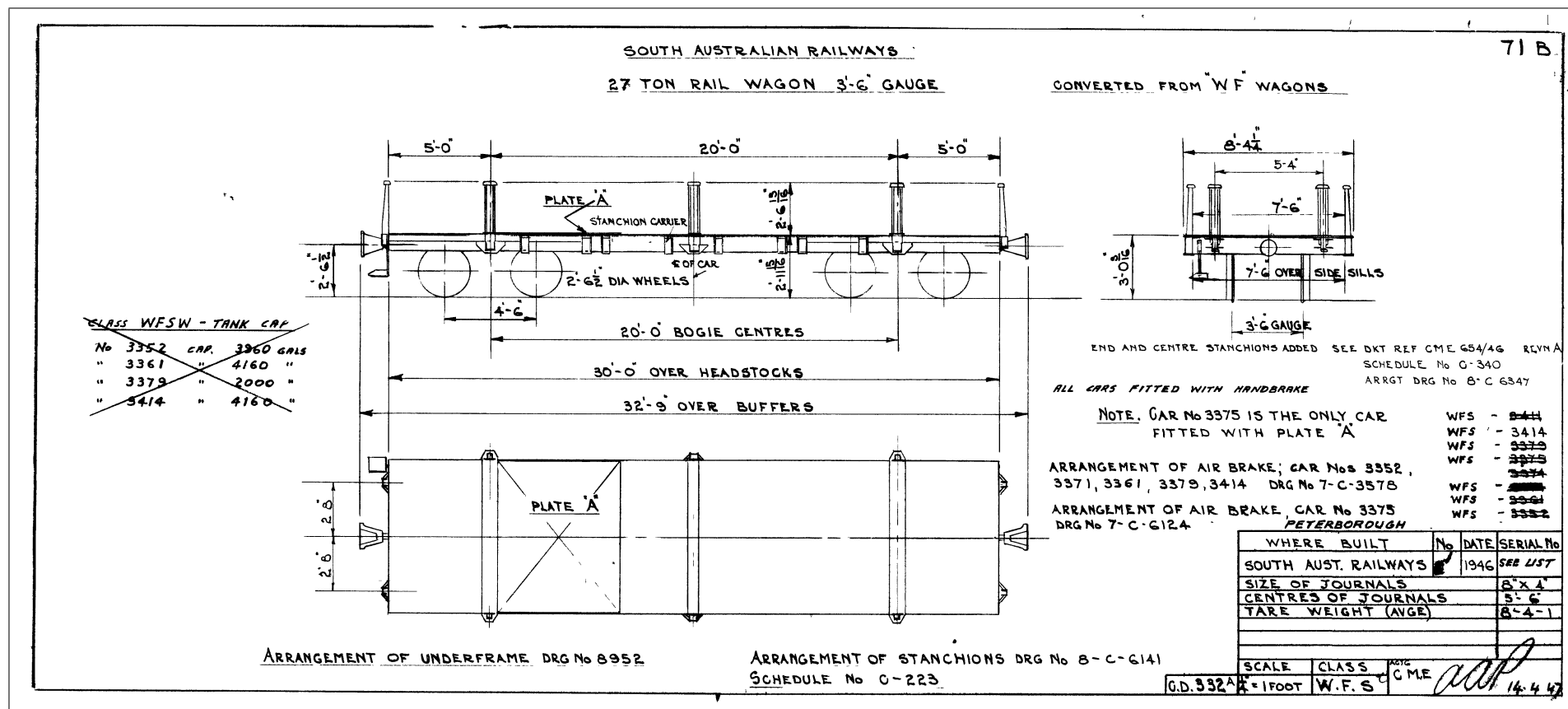
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2.53 TC 5000gal Single Compartment Tank Wagon - CD409

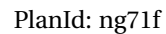


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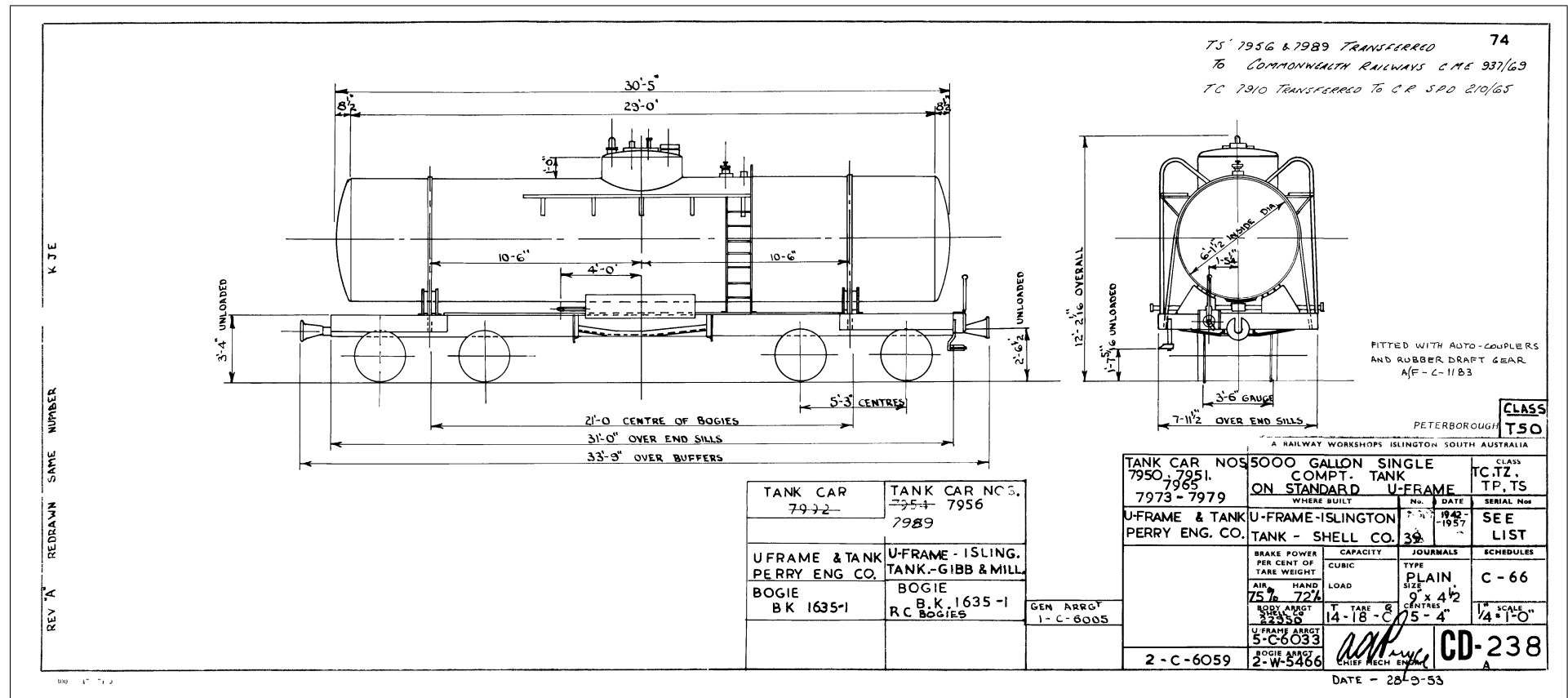
2.54 WFS 27Ton Rail Wagon NG - CD332A



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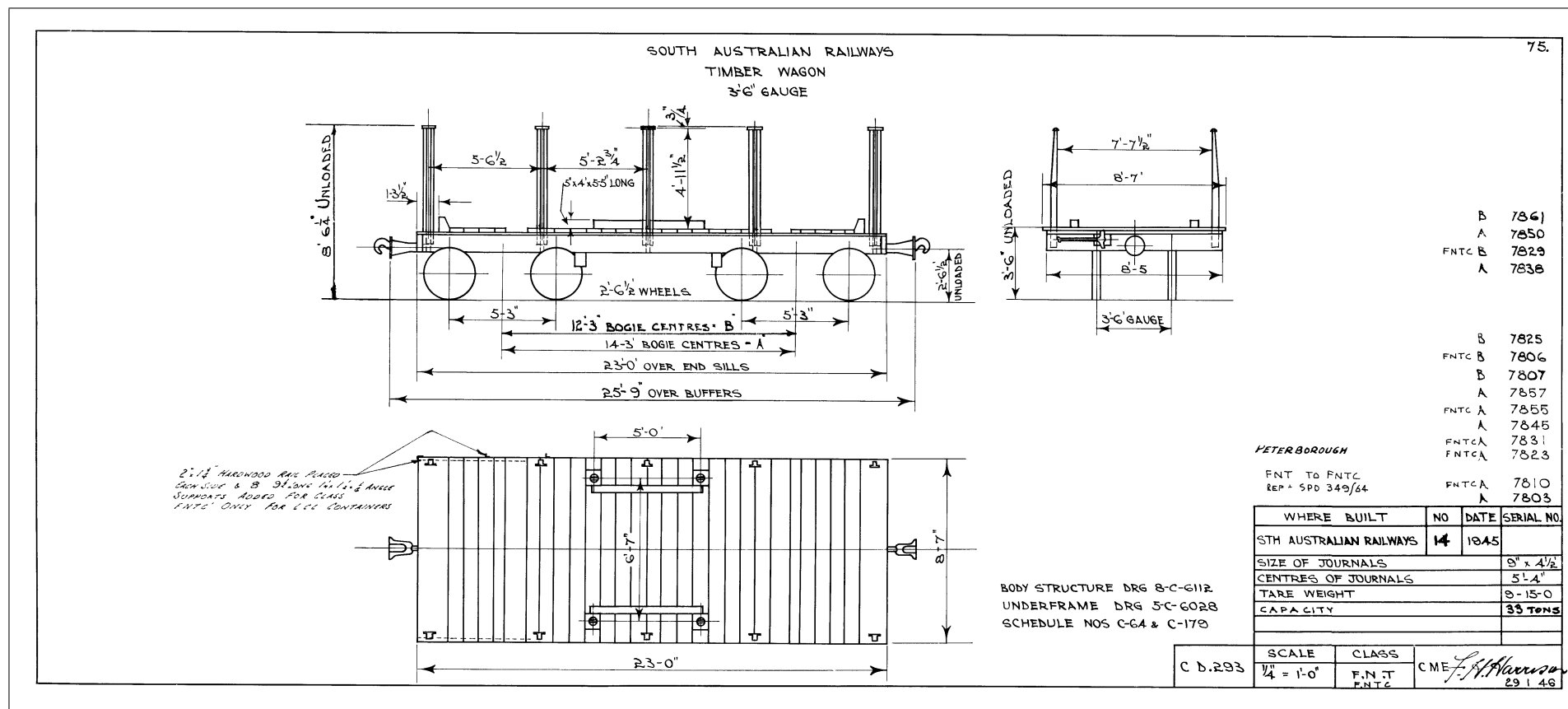


2.57 TSO TC TZ TP TS 5000gal Single Compartment Tank Wagon on Standard Underframe - CD238



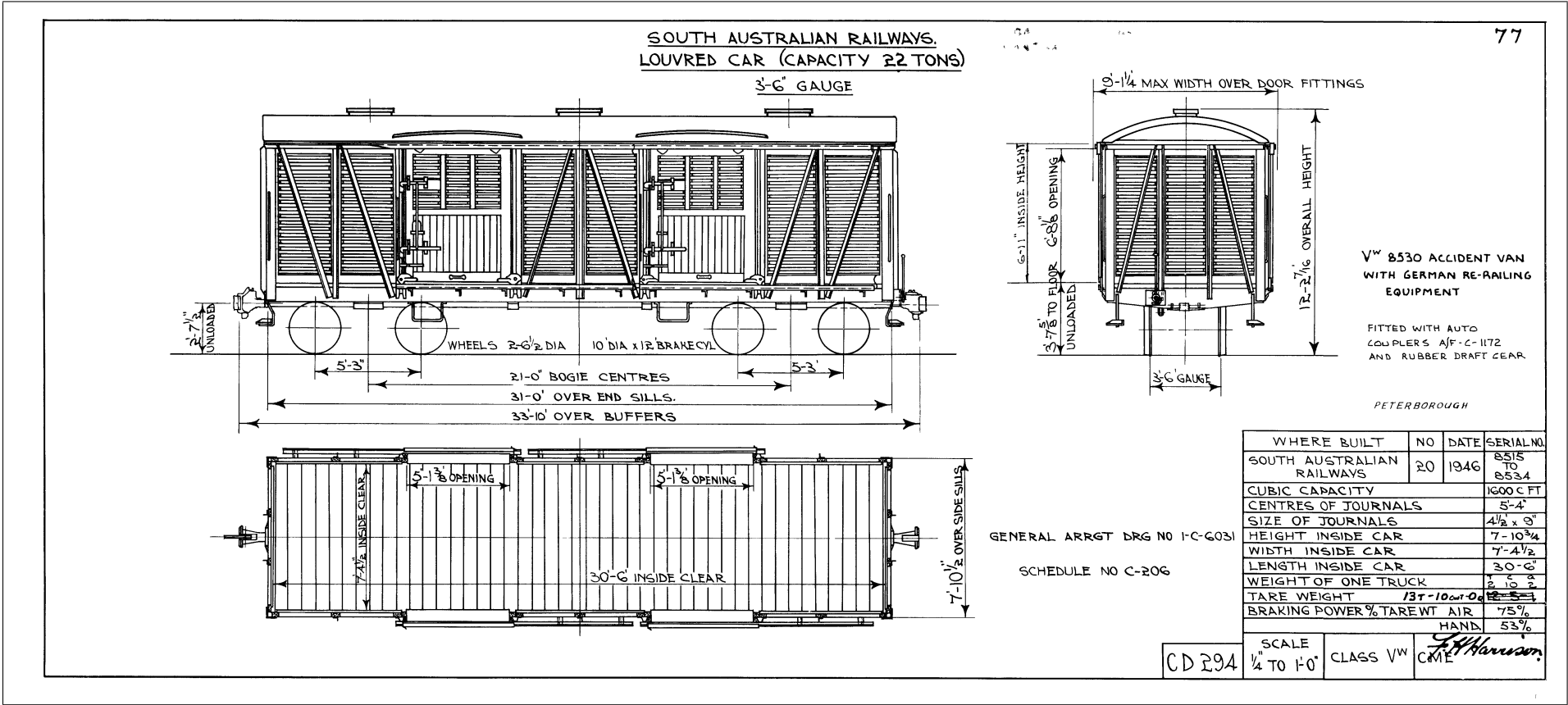
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2.58 FNT Timber Wagon NG - CD293



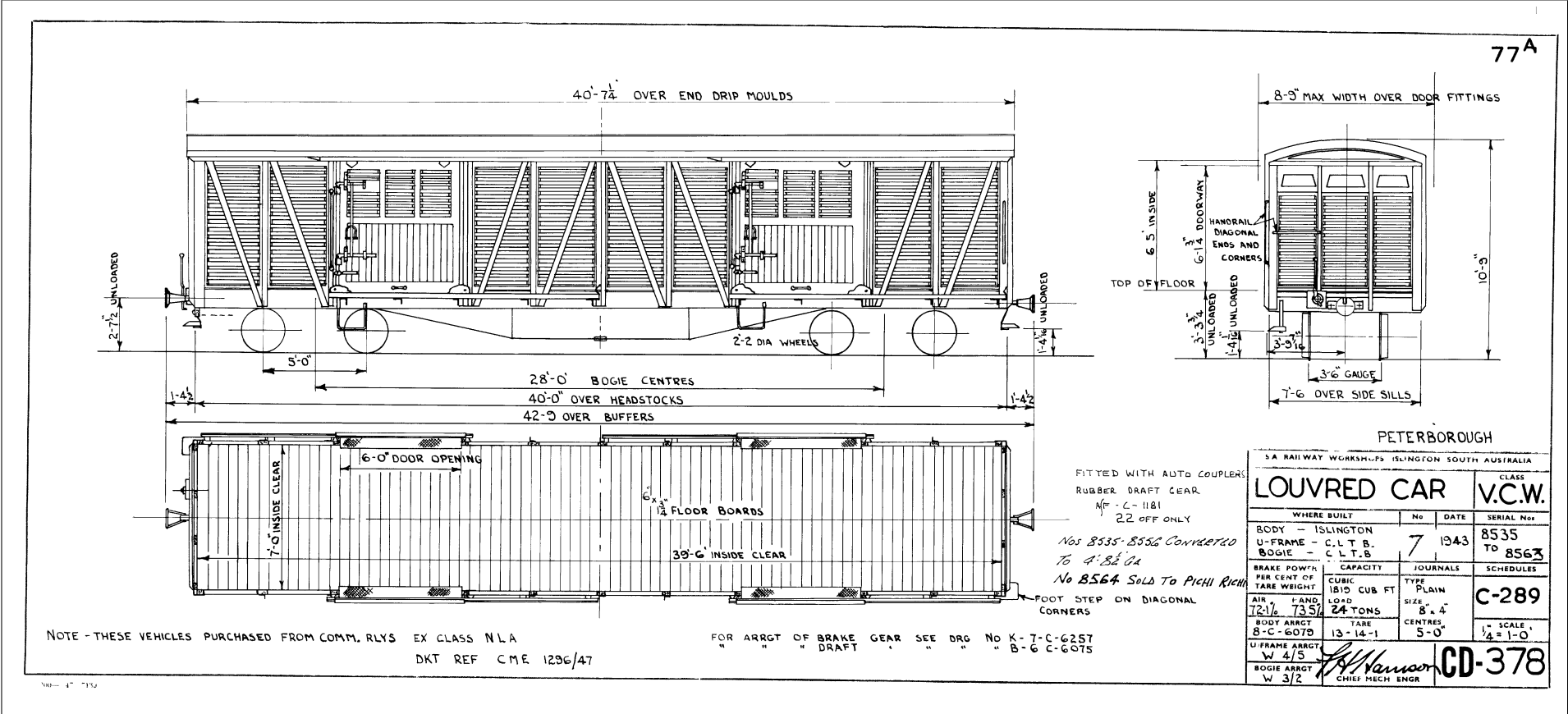
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2.59 VW Bogie Louvred Car NG - CD294



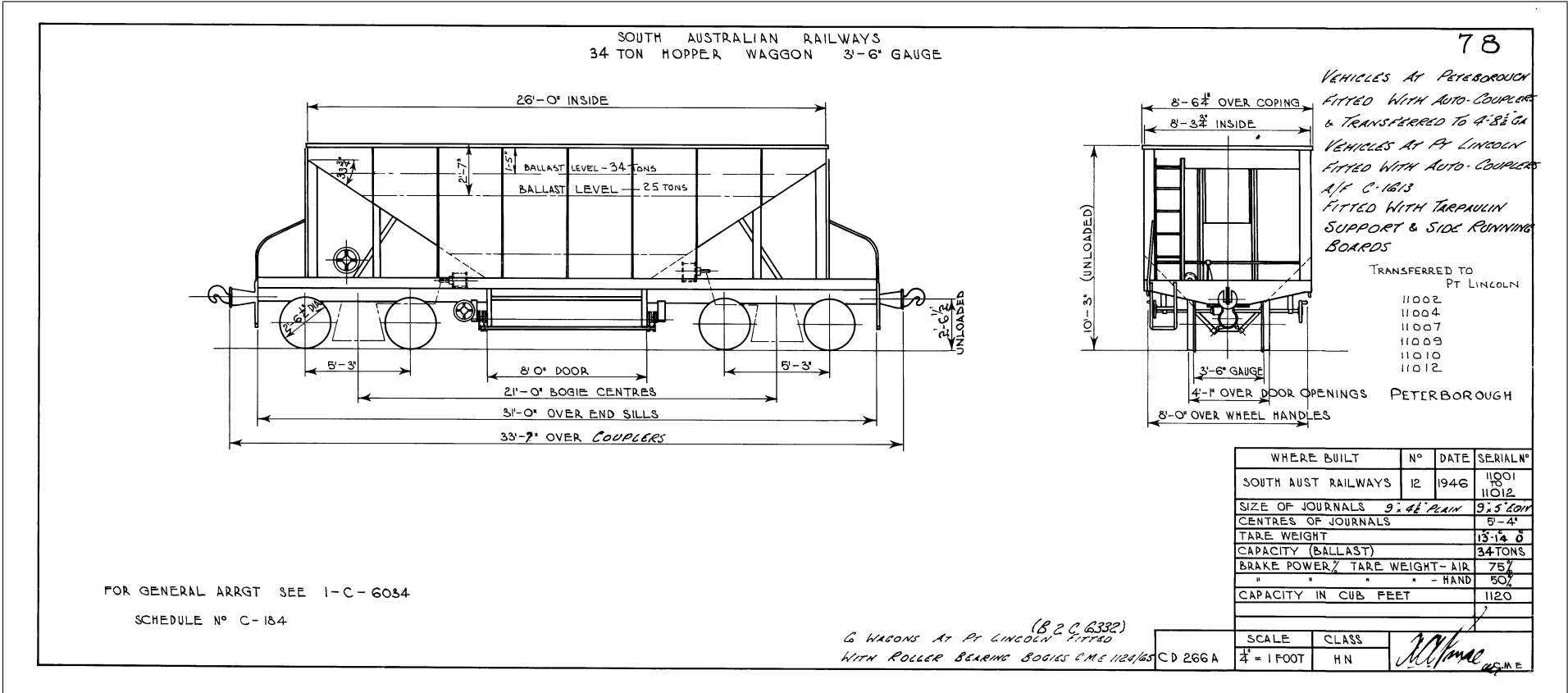
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2.60 VCW Bogie Louvred Car - CD378



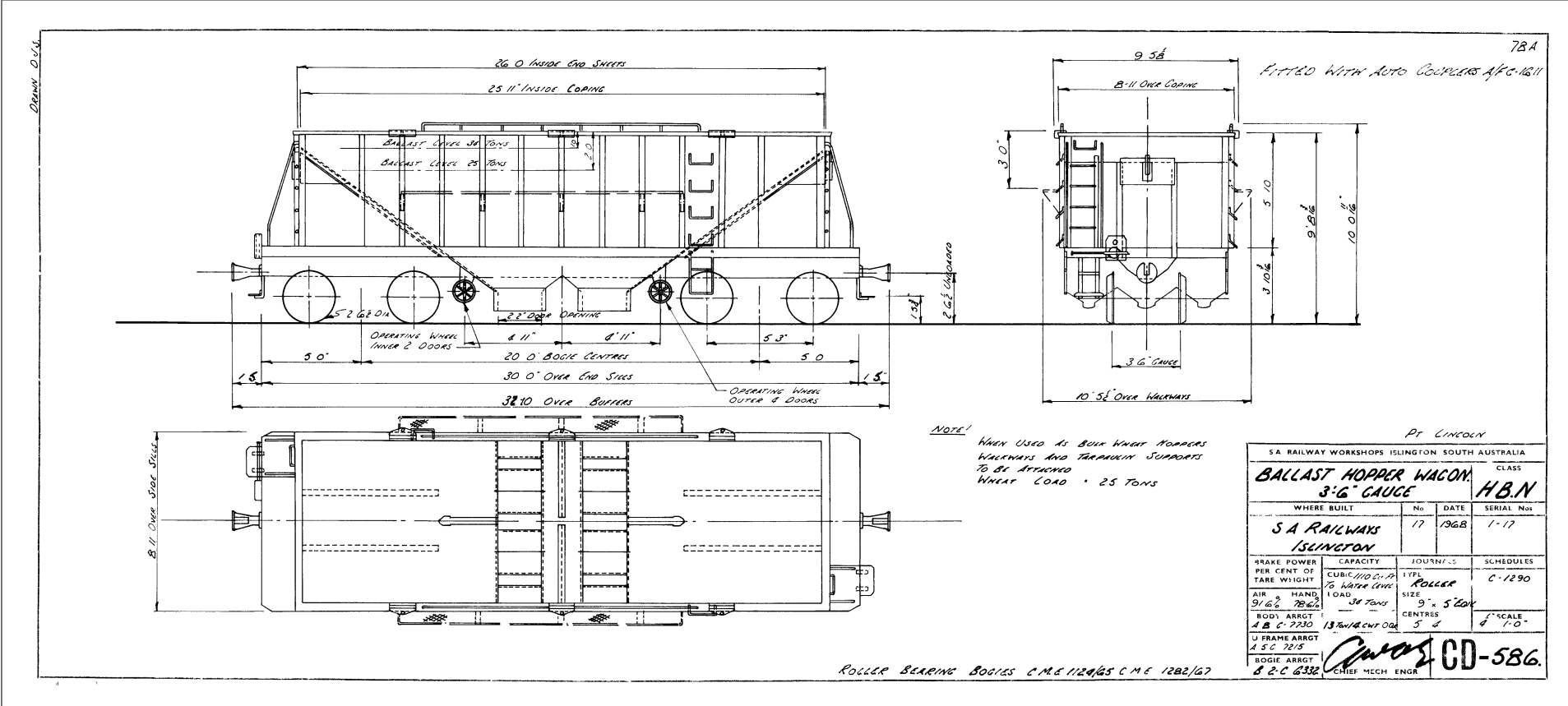
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2.61 HN 34Ton Hopper Wagon NG - CD266A



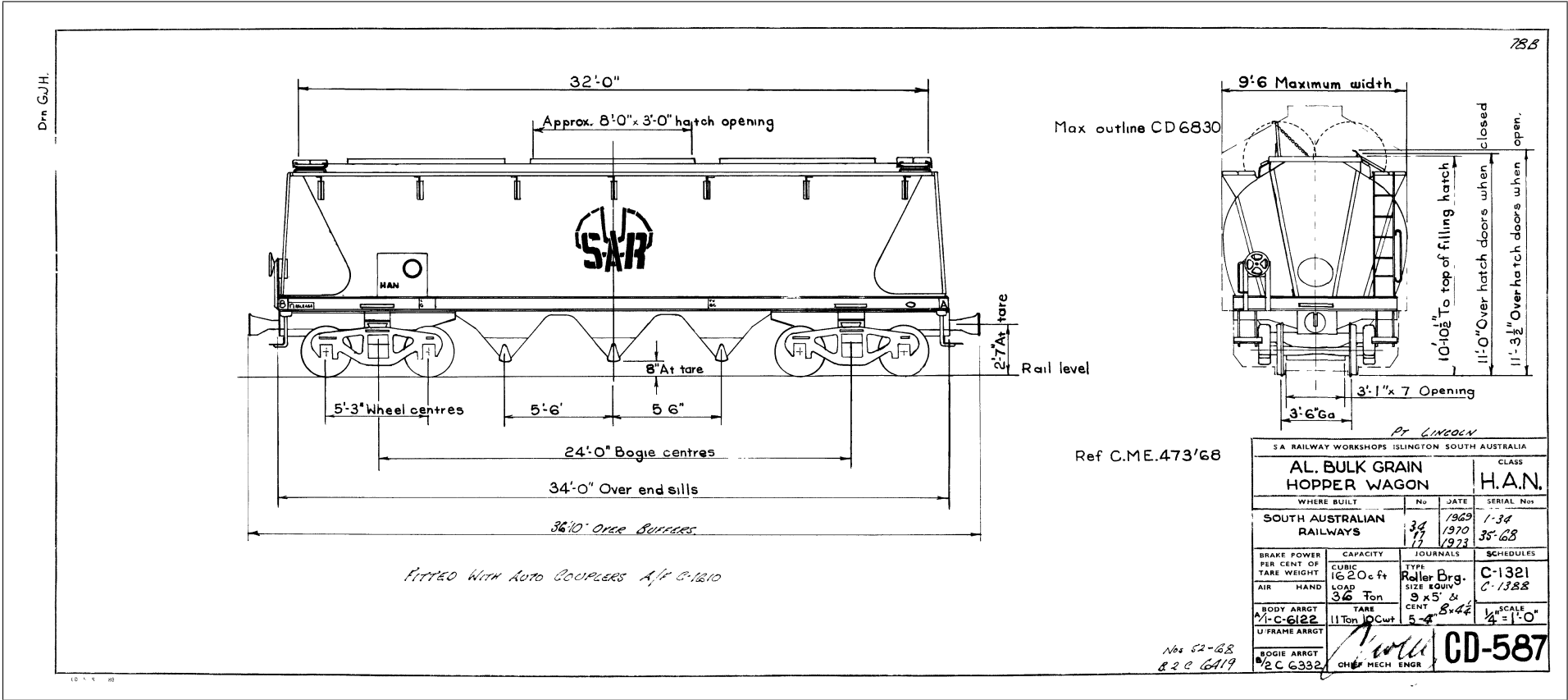
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2.62 HBN Ballast Hopper Wagon NG - CD586



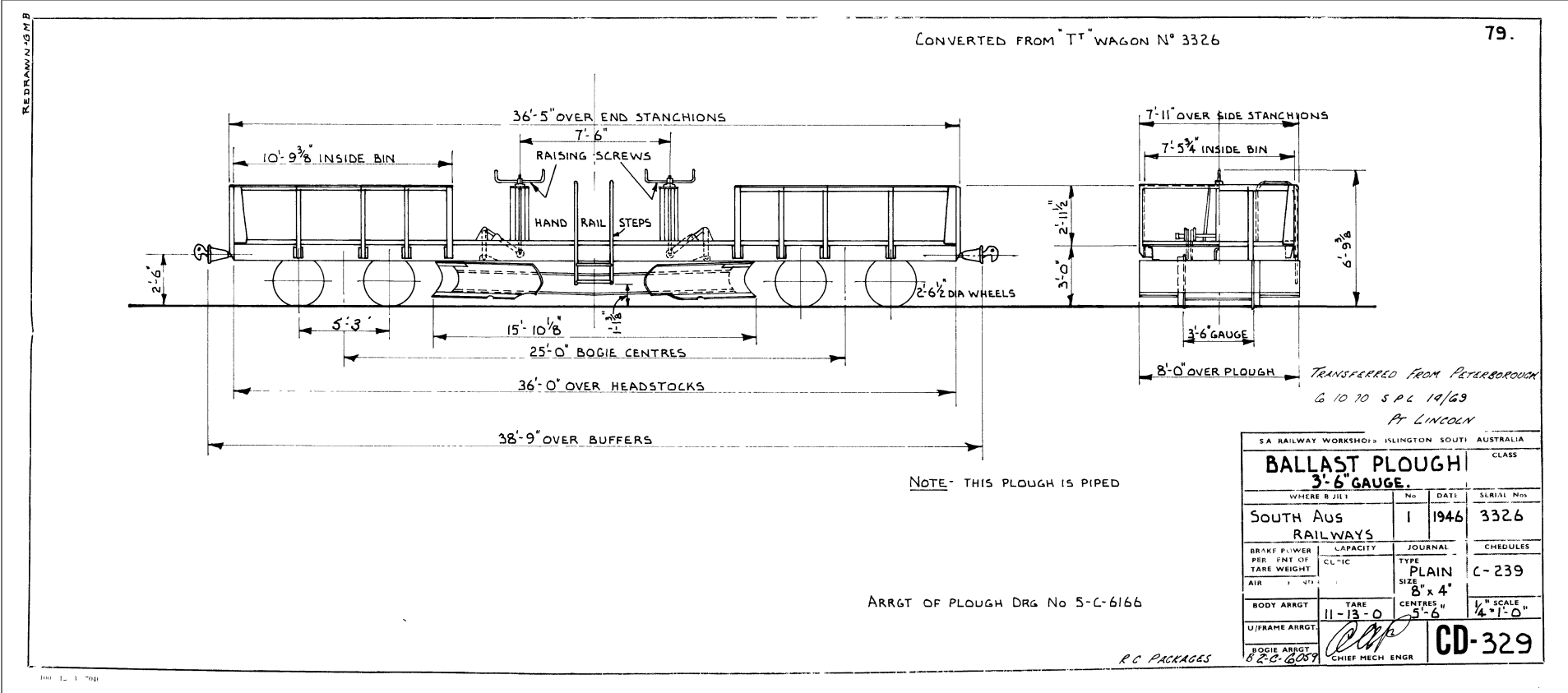
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2.63 HAN Aluminium Bulk Grain Hopper Wagon - CD587



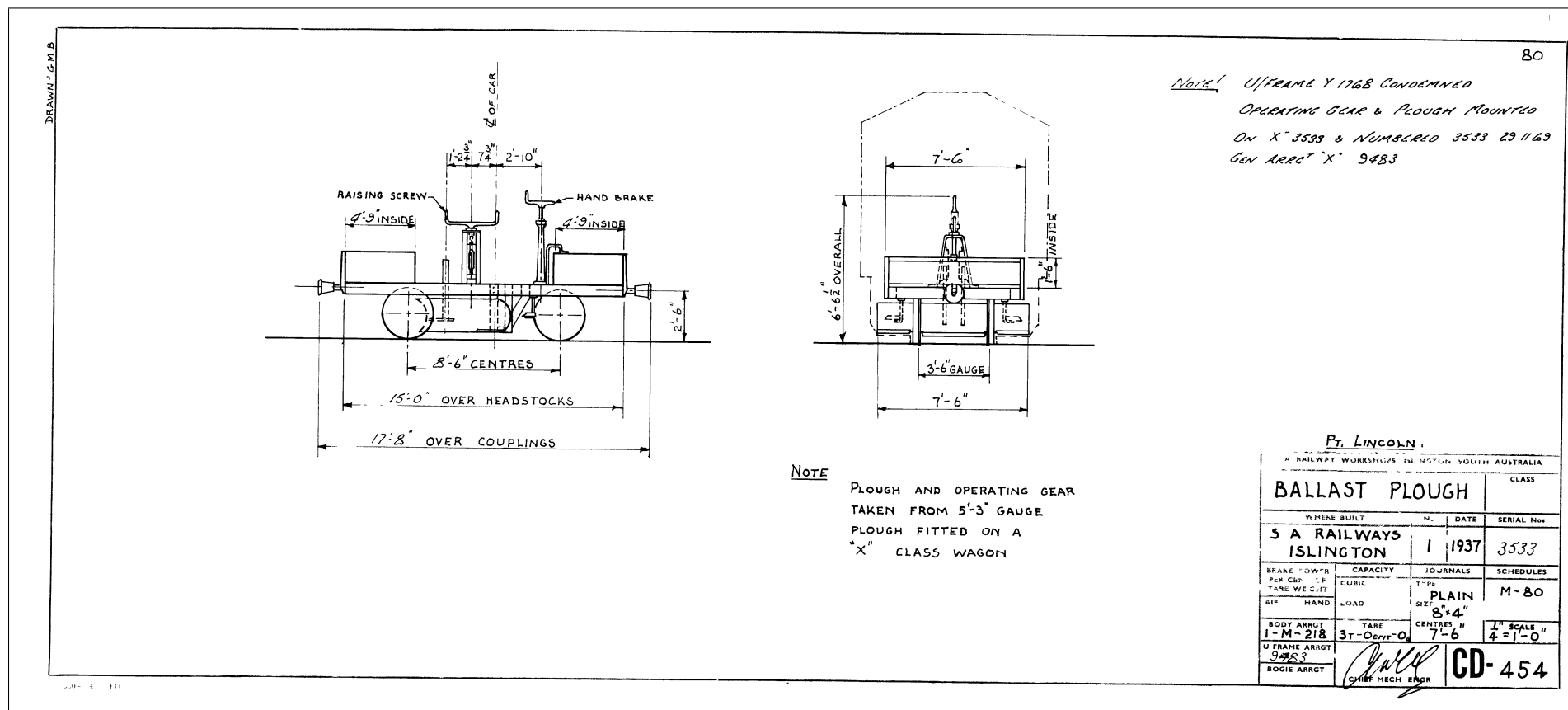
PlanId: ng78b

2.64 Ballast Plough NG Bogie



PlanId: ng79

2.65 Ballast Plough NG 4 Wheel



PlanId: ng80

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VFN class wagon, 34

VW class wagon, 67

W class wagon, 39

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XX class wagon, 43, 47

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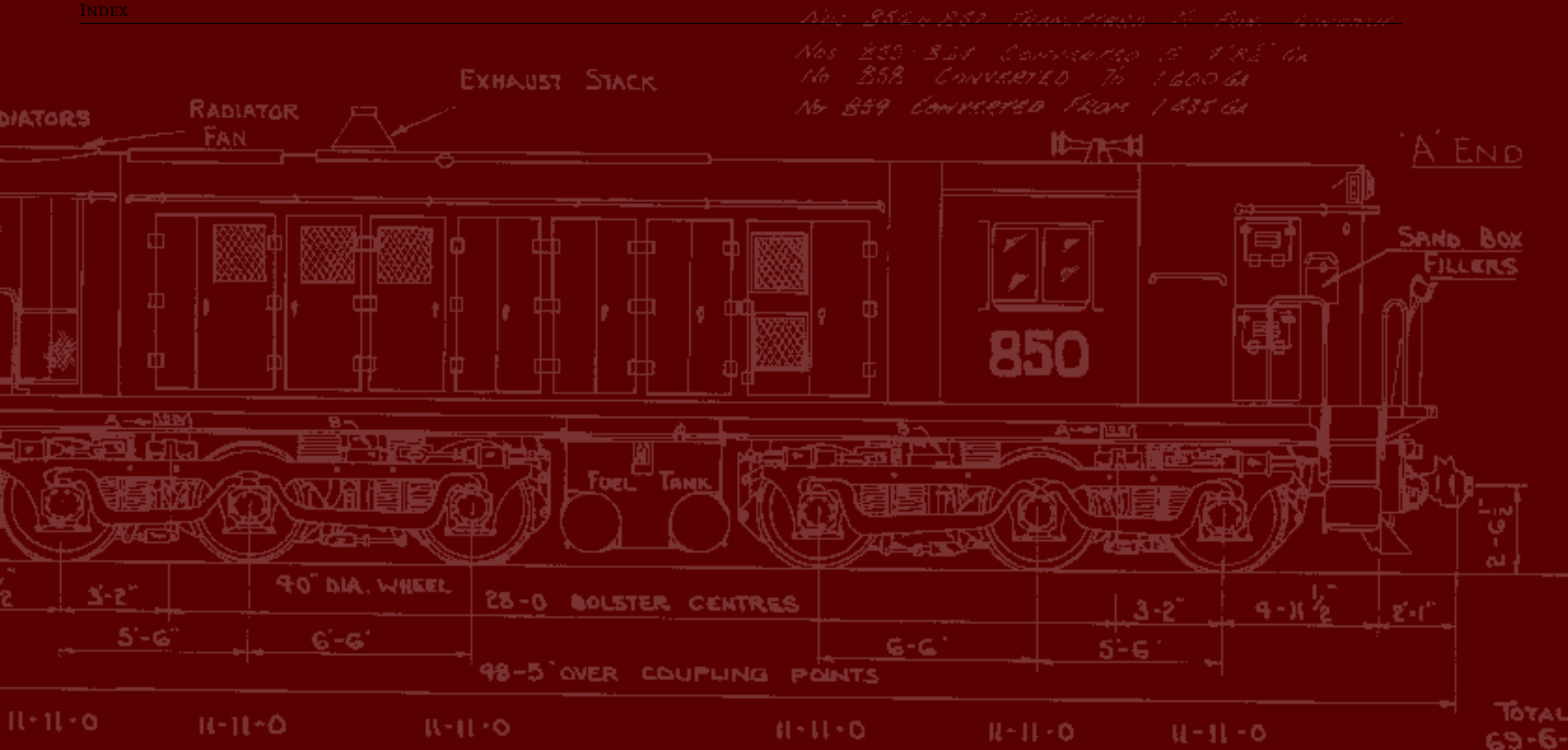
Yanyarrie car, 15

YF class wagon, 50

YH class wagon, 44

YY class wagon, 45, 46





LOCO MODEL N° DL-53IG
 SERIES 251 9 BORE 10 $\frac{1}{2}$ " STROKE
 3 STARTING
 584 & AE1 3602AZ, (871-873)
 D GENERATOR - 15 TONS
 TYPE GE/T61 - 9000^{lbs} EA.
 ETE 15 TONS
 32 GALLONS
 RPM - 6 CYLINDERS
 RPM - 6 CYLINDERS

BATTERY CAPACITY 264 AMP HRS (5 HR RATING)
 CONTINUOUS RATED TRACTIVE EFFORT 40,200 LBS @ 5.8 M.P.H.
 TRACTIVE EFFORT 59,500 LBS @ 25% ADHESION
 TRACTIVE EFFORT 51,800 LBS @ 20% ADHESION
 AIR BRAKE EQUIPMENT, WESTINGHOUSE A-7-EL
 COMPRESSOR, WESTINGHOUSE, TYPE 3CDC-225 CUB FT/MIN, 110 PSI
 SAND CAPACITY 117 GALLONS
 LUBRICATING OIL CAPACITY 117 GALLONS
 TRACTION MOTORS ON 871-873 - AE1 253AZ

GEARING 92:19
 BRAKE CYLINDERS - 4/BOGIE
 BRAKING = 75%
 ROLLER BEARINGS 3 K.F.
 MAX LOCO SPEED = 75 M.P.H.
 TURBO SUPERCHARGER MOD
 FUEL CAPACITY 500 GAL

WHEEL NOTATION
 CB - CG

National Railway Museum, Port Adelaide, South Australia - <http://www.nrm.org.au/>

Australian National SAR 1067MM Diagrams

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