

Australian National SAR 1435MM Diagrams

Presented here is the Australian National Diagrams Plan Book for SAR 1435MM 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 L^AT_EX

Document compilation date: August 8, 2024

The National Railway Museum houses a vast repository of historical data pertaining to entities like the South Australian Railways, Commonwealth Railways, and Australian National Railways. Our extensive collections are accessible to the public via appointment. Should you wish to schedule a visit to explore our archives, kindly reach out to the National Railway Museum by contacting our Archives Curatorial Team.

We are dedicated to assisting researchers with inquiries related to Australia's railway history. For any queries concerning railways, feel free to contact us.

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.

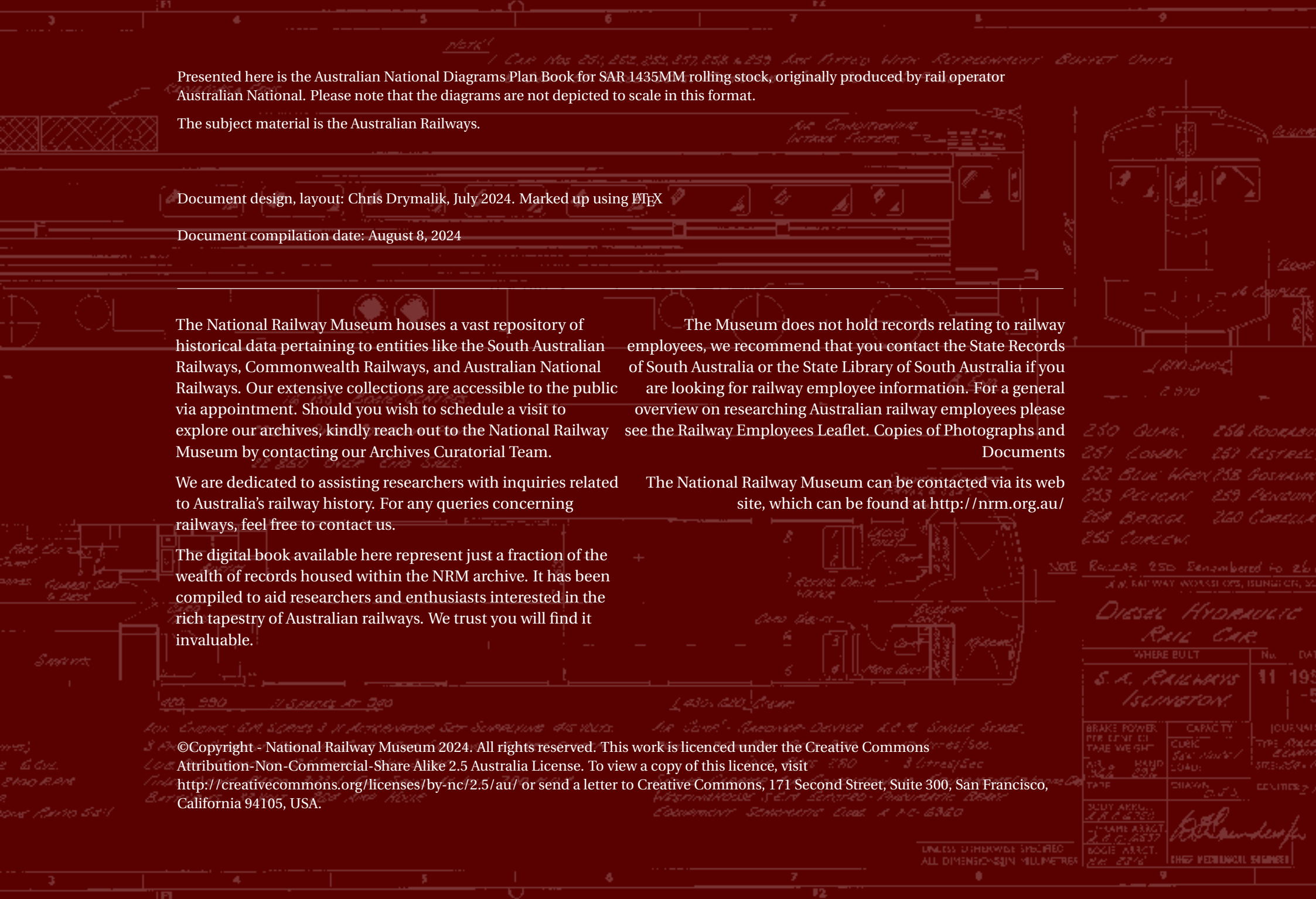
The Museum does not hold records relating to railway employees, we recommend that you contact the State Records of South Australia or the State Library of South Australia if you are looking for railway employee information. For a general overview on researching Australian railway employees please see the Railway Employees Leaflet. Copies of Photographs and Documents

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

©Copyright - National Railway Museum 2024. All rights reserved. This work is licenced under the Creative Commons

Attribution-Non-Commercial-Share Alike 2.5 Australia License. To view a copy of this licence, visit

<http://creativecommons.org/licenses/by-nc/2.5/au/> or send a letter to Creative Commons, 171 Second Street, Suite 300, San Francisco, California 94105, USA.





NRM-DB02

Contents

i

1	Motor Vehicle Transport (A series)	1
1.1	AMOX Motor Body Transport Wagon	3
1.2	AMMX Motor Body Transport Wagon	4
1.3	AMAX Motor Body Transport Wagon	5
1.4	AMBX Motor Body Transport Wagon	6
1.5	AMBX AMBP Motor Body Transport Wagon	7
1.6	AMOP Passenger Motor Vehicle Wagon	8
1.7	AMKF Passenger Motor Vehicle Wagon	9
1.8	AMGF Passenger Motor Vehicle Wagon	10
1.9	AMDY Passenger Motor Vehicle Wagon	11
2	Brake, Luggage and Power (B series)	13
2.1	CO Joint Stock Brake Van	15
2.2	PCO Joint Stock Power Brake Van	16
2.3	D Joint Stock Mail Van	17
2.4	8300 Steel Brake Van Goods and 4 Passenger	18
2.5	8300 Steel Brake Van Goods and 8 Passenger	19
2.6	8300 Steel Brake Van Goods and 8 Passenger	20
2.7	CD SCD Passenger Brake Van	21
2.8	CGP Steel Brake Van Passenger and Goods	22
2.9	JCP Steel Brake Van	23
2.10	CGN Steel Brake Van	24
3	Containers (C series)	25
3.1	CQ Insulated Container	27
3.2	2100 Freight Tray	28
3.3	CTQ Insulated Container	29

4	Departmental (D series)	31
4.1	PWS Permanent Way Camp Train Sleeper	33
4.2	PWS Permanent Way Camp Train Sleeper	34
4.3	PWK Permanent Way Camp Dining & Kitchen Car	35
4.4	PWA Permanent Way Camp Ablutions Car	36
4.5	PWA Permanent Way Camp Ablutions Car	37
4.6	PWA Permanent Way Camp Ablutions Car	38
4.7	Employees Sleeping Van	39
4.8	Employees Sleeping Van	40
4.9	Employees Sleeping Van	41
4.10	Employees Sleeping Van	42
4.11	Employees 4 Wheel Sleeping Van	43
4.12	FRT Rail Train Intermediate Wagon	44
4.13	FRT Rail Train End Wagon	45
4.14	FRT Rail Train End Wagon	46
4.15	FRT Rail Train End Wagon	47
4.16	YR Rail Train Loading Wagon	48
4.17	SP Double Blade Ballast Plough	49
4.18	Composite Breakdown Car	50
4.19	SFWM Wreckmaster Flat Wagon	51
4.20	Motor Inspection Car MIC - Toyota Model FJ55V	52
4.21	Accident Van	53
4.22	Ballast Plough 4 wheel	54
4.23	BT Braking Tender	55
4.24	FL Flat Wagon for Transport of SG Wheel and Axle Sets	56
4.25	Poison Car	57
4.26	Accident Van NG	58
4.27	Accident Van NG	59
4.28	Accident Van NG	60
4.29	AST Shunt Tender SG	61
4.30	AZGY AZSY Back End Generator Flat Wagon	62
4.31	ECA Crew Accommodation Car - Converted from BB98 Passenger Car	63
4.32	ECA Crew Accommodation Car - Converted from ARD Passenger Car	64
4.33	ECA Crew Accommodation Car - Converted from ARF85 Passenger Car	65
4.34	ECA Crew Accommodation Car - Converted from BRJ Passenger Car	66
4.35	ECA Crew Accommodation Car - Converted from BRE Passenger Car	67
5	Flats (F series)	69
5.1	AFCX Bogie Flat Wagon	71
5.2	AFCX AFMX AFDX Loading Diagram Bogie Flat Wagon	72

5.3	AFDX Bogie Flat Wagon	73
5.4	AFMX Particle Board Bogie Flat Wagon	74
5.5	AQDW Container Flat Wagon	75
5.6	AFKX Container Flat Wagon	76
5.7	AFKX Loading Diagram Container Flat Wagon	77
5.8	AQCX AQCF Container Flat Wagon	78
5.9	AQCX Loading Diagram Container Flat Wagon	79
5.10	AQBY FC Bogie Flat Wagon BG	80
5.11	AQAX Cement Container Wagon	81
5.12	AFBA AFBF AFFA AFTF Bogie Flat Wagon	82
5.13	AFBA AFBY AFTA Loading Diagram Bogie Flat Wagon	83
5.14	AFFA Loading Diagram Bogie Flat Wagon	84
5.15	AFHA Bogie Flat Wagon	85
5.16	AQEX Flat Wagon for 3 Refrigerated Containers	86
5.17	AWWX Well Wagon	87
5.18	SFC SFLC Bogie Flat Wagon	88
5.19	SFC SFLC Loading Diagram Bogie Flat Wagon	89
5.20	WL Well Wagon	90
5.21	AFSY Semi-Trailer Flat Wagon	91
5.22	AFIY Semi-Trailer Flat Wagon	92
5.23	AKEX Steel Coil Wagon	93
5.24	AZQF Heavy Flat Wagon	94
5.25	AZQF Loading Diagram Heavy Flat	95
5.26	AQJY 5-Pack Container Wagon	96
5.27	AQEY 2-Pack Container Wagon	97
5.28	AQKY 2-Pack Container Wagon	98
5.29	AKMX Steel Wagon	99
5.30	AKMX Steel Wagon	100
5.31	AQJY 5-Pack Container Wagon	101
5.32	AQLY 5-Pack Container Wagon	102
5.33	AQWY 5-Pack Bogie Well Wagon	103
5.34	AKLF 2-Pack Flat Wagon	104
5.35	AKDX 2-Pack Flat Wagon	105
5.36	AKAX 2-Pack Flat Wagon	106
5.37	AKSY 3-Pack Flat Wagon	107
5.38	AKSY 3-Pack Flat Wagon	108
5.39	AKSY 3-Pack Flat Wagon	109
5.40	AKSY 3-Pack Flat Wagon	110
5.41	AKYY 5-Pack Well Wagon	111
5.42	RKIY Well Wagon	112

5.43	RKYY Well Wagon	113
5.44	RQEY 5-Pack Flat Wagon	114
6	Gondolas (G series)	115
6.1	AOXX AFWY Gondola Wagon Welded Design	117
6.2	AOCX Bogie Open Wagon	118
6.3	AOBX Bogie Open Wagon	119
6.4	AOFX Bogie Open Wagon	120
6.5	YST Coil Steel Transport Wagon 4 wheel	121
6.6	OBF 4 Wheel Open Wagon BG	122
6.7	ADWA AQWF AOWL 5 plank Bogie Open Wagon	123
6.8	AOXA AOXX AOXF Gondola Wagon	124
6.9	AOGA AOGF Open Wagon Welded Design	125
6.10	OBF 4 Wheel Open Wagon	126
6.11	OF 4 Wheel Open Wagon	127
6.12	OC Bogie Open Wagon	128
6.13	AOQY Bogie Ore Wagon	129
6.14	AOQF Bogie Ore Wagon	130
6.15	SGC Bogie Open Wagon	131
6.16	SGBC Bogie Open Wagon	132
6.17	SGBZ 4 Wheel Open Wagon	133
6.18	AOWA Bogie Open Wagon 4 Plank	134
6.19	NGF Bogie Open Wagon	135
6.20	ENOB Bogie Open Wagon NG	136
6.21	ENOS Open Wagon to Carry Bulk Grain NG	137
6.22	ENOG Open Wagon to Carry Bulk Grain NG	138
7	Hoppers (H series)	139
7.1	AHGX Bulk Grain Hopper Wagon	141
7.2	APCX Cement Hopper Wagon	142
7.3	AHWY Ballast Hopper Wagon	143
7.4	AHWY Ballast Hopper Wagon	144
7.5	APAX Cement Hopper Wagon	145
7.6	AHCL Cement Hopper Wagon	146
7.7	AHBF Hopper Wagon	147
7.8	AHAY Hopper Wagon	148
7.9	APCY Cement Hopper Wagon	149
7.10	AHSF Hopper Wagon	150
7.11	HCN Bulk Grain Hopper Wagon NG	151
7.12	NHA Hopper Wagon NG	152

7.13	NR Hopper Wagon NG	153
7.14	HN Hopper Wagon NG	154
7.15	AHHH Grain Hopper Wagon	155
7.16	HAN Aluminium Bulk Grain Hopper Wagon NG	156
7.17	HBN Ballast Hopper Wagon NG	157
7.18	ENHG Wheat Hopper Wagon NG	158
7.19	ENHV Grain Wagon NG	159
7.20	AHDL Grain Hopper Wagon	160
7.21	AHDL Grain Hopper Wagon	161
8	Locomotives (L series)	163
8.1	350 Diesel Electric Shunting Loco	165
8.2	500 Diesel Electric Shunting Loco	166
8.3	600 Diesel Electric Loco	167
8.4	700 Diesel Electric Loco	168
8.5	800 Diesel Electric Shunting Loco	169
8.6	830 Diesel Electric Loco	170
8.7	900 Diesel Electric Loco	171
8.8	930 Diesel Electric Loco	172
8.9	930 Diesel Electric Loco	173
8.10	830 Diesel Electric G.P. Loco	174
8.11	BL Diesel Electric Loco 2460/2240KW	175
8.12	EL Diesel Electric Loco	176
8.13	CL Diesel Electric Loco	177
8.14	AL Diesel Electric Loco	178
8.15	ALF Diesel Electric Loco Internal Arrangement	179
8.16	CLF Diesel Electric Loco Internal Arrangement	180
8.17	CLP Diesel Electric Loco Internal Arrangement	181
8.18	DL Diesel Electric Loco	182
8.19	AN Diesel Electric Loco	183
8.20	VR T Class Loco	184
9	Maintenance and Works (M series)	185
9.1	109t Breakdown Crane	187
9.2	61t Breakdown Crane	188
10	Passenger (P series)	189
10.1	Joint Stock Roomette Compartment Sleeping Car Allambi Tantini	191
10.2	Joint Stock Twinette Compartment Sleeping Car Weroni Dorai	192
10.3	Joint Stock Twinette Compartment Sleeping Car Tawarri Yankai	193

10.4	Joint Stock Club Car	194
10.5	Joint Stock Cafeteria Car RBJ	195
10.6	Joint Stock Roomette Compartment Sleeping Car	196
10.7	Joint Stock Twinette Compartment Sleeping Car	197
10.8	Joint Stock 1st Class Coach Car AJ	198
10.9	Joint Stock Economy Class Coach Car BJ	199
10.10	Joint Stock Economy Class Coach Car BJ	200
10.11	BD Economy Class Coach Car	201
10.12	AD First Class Coach Car	202
10.13	700 First & Economy Steel Passenger Car	203
10.14	750 First & Economy Steel Passenger Car	204
10.15	780 First Class Steel Passenger Car	205
10.16	500 First Class Steel Passenger Car	206
10.17	600 Economy Class Steel Passenger Car	207
10.18	C Cafeteria Car	208
10.19	ACC Conference Car	209
10.20	AEC Entertainment Car	210
10.21	CDF Cafeteria Club Car	211
10.22	AG Coach Car	212
10.23	AOB Lounge Car Oasis Bar	213
10.24	AFC Lounge Car Dreamtime Lounge	214
11	Railcar (R series)	215
11.1	250 Diesel Hydraulic Railcar Bluebird	217
11.2	280 Diesel Hydraulic Power Baggage Car Bluebird	218
11.3	100 Non Power Car Bluebird	219
11.4	CB Diesel Hydraulic Railcar Budd	220
12	RoadRailer (RR series)	221
12.1	RCTF RoadRailer road trailer	223
12.2	RANV RoadRailer road trailer	224
12.3	RANS RoadRailer road trailer	225
12.4	RANS RoadRailer road trailer	226
12.5	RANC RoadRailer road trailer	227
12.6	RANR RoadRailer road trailer	228
12.7	RANT RoadRailer road tank trailer	229
12.8	RAND RoadRailer road trailer	230
12.9	RANB RoadRailer Pine Chip Carrier	231
12.10	RANL RoadRailer Pine Log Carrier	232
12.11	RTNM RoadRailer road trailer	233

13	Stock (S series)	235
13.1	ACAA ACAF Bogie Cattle Wagon	237
13.2	ASAA ASAY Bogie Sheep Wagon	238
13.3	CF 4 Wheel Cattle Wagon	239
13.4	SF 4 Wheel Sheep Wagon	240
13.5	ACFF ACFA Bogie Cattle Wagon	241
13.6	ACGF Bogie Cattle Wagon	242
13.7	SCZ 4 Wheel Cattle Wagon	243
13.8	ASDF ASDA Bogie Sheep Wagon	244
13.9	ASEY Bogie Sheep Wagon	245
13.10	CFN GCF 4 Wheel Cattle Wagon	246
14	Tanks (T series)	247
14.1	ATCX 50 000L Creosote Tank Wagon	251
14.2	STW 50 000L Water Tank Wagon	252
14.3	TV 45 900L General Purpose Tank Wagon	253
14.4	TA 27 200L Sulphuric Acid Tank Wagon	254
14.5	ATAX 27 200L Sulphuric Acid Tank Wagon	255
14.6	TB ATMY 36 800L Triple Compartment Tank Wagon	256
14.7	ATAY ATAL 20 450L Sulphuric Acid Tank Wagon	257
14.8	ATAY 20 450L Sulphuric Acid Tank Wagon	258
14.9	ATAY ATAL 20 450L Sulphuric Acid Tank Wagon	259
14.10	ATAY ATAL 20 450L Sulphuric Acid Tank Wagon	260
14.11	ATAY 20 450L Sulphuric Acid Tank Wagon	261
14.12	ATMY 22 700L Single Compartment Tank Wagon	262
14.13	TV 22 700L Single Compartment Tank Wagon	263
14.14	STPC 22 700L Single Compartment Tank Wagon	264
14.15	STPC STZC 22 700L Single Compartment Tank Wagon	265
14.16	STBC 42 000L Single Compartment Tank Wagon	266
14.17	STBC 42 000L Single Compartment Tank Wagon	267
14.18	TV ATMY 45 460L Bitumen Tank Wagon	268
14.19	TV 45 460L Bitumen Tank Wagon	269
14.20	ATMY 44 370L Single Compartment Tank Wagon	270
14.21	ATCY ATCL 39 900 Two Compartment Tank Wagon	271
14.22	ATCL 39 900L Three Compartment Tank Wagon	272
14.23	TCA 45 460L Two Compartment Tank Wagon	273
14.24	ATCL TCA 25 000L Single Compartment Tank Wagon	274
14.25	TCA 45 460L Two Compartment Tank Wagon	275
14.26	ATCL 45 460L Two Compartment Tank Wagon	276
14.27	ATMY TV 22 700L Single Compartment Tank Wagon	277

14.28 ATMY TV 39 600L Single Compartment Tank Wagon	278
14.29 ATMY 39 000L Three Compartment Tank Wagon	279
14.30 ATMY TV 45 460L Three Compartment Tank Wagon	280
14.31 ATMY 39 000L Three Compartment Tank Wagon	281
14.32 ATMY 23 700L Three Compartment Tank Wagon	282
14.33 ATMY 38 900L Three Compartment Tank Wagon	283
14.34 TV 45 200L Single Compartment Tank Wagon	284
14.35 TC 45 460L Three Compartment Tank Wagon	285
14.36 TC 45 460L Two Compartment Tank Wagon	286
14.37 TC 25 450L Single Compartment Tank Wagon	287
14.38 TC 27 460L Single Compartment Tank Wagon	288
14.39 TC 45 460L Two Compartment Tank Wagon	289
14.40 TV ATMY 45 460L Bitumen Tank Wagon	290
14.41 TV 45 460L Single Compartment Tank Wagon	291
14.42 ATMY TV 22 800L Single Compartment Tank Wagon	292
14.43 TV 45 460L Single Compartment Tank Wagon	293
14.44 STM 44 965L Three Compartment Tank Wagon	294
14.45 STM 45 000L Single Compartment Tank Wagon	295
14.46 STM 45 000L Single Compartment Tank Wagon	296
14.47 STMC 22 140L Single Compartment Tank Wagon	297
14.48 STMC 22 550L Single Compartment Tank Wagon	298
14.49 TC 25 000L 4 Wheel Two Compartment Tank Wagon	299
14.50 STSC TS 52 300L Single Compartment Tank Wagon	300
14.51 TDF 40 860L Single Compartment Tank Wagon	301
14.52 TDF TCO 40 910L Single Compartment Tank Wagon	302
14.53 TDF 40 910L Single Compartment Tank Wagon	303
14.54 TDF TCO TW 40 910L Single Compartment Tank Wagon	304
14.55 TDF TCO TW 40 910L Single Compartment Tank Wagon	305
14.56 TW 40 910L Single Compartment Tank Wagon	306
14.57 TG 22 730L Single Compartment Tank Wagon	307
14.58 YA 4 Wheel Portable Acid Container	308
14.59 TS TC ATMY 40 550L Single Compartment Tank Wagon	309
14.60 TS TV 40 550L Single Compartment Tank Wagon	310
14.61 STCC 21 680L Two Compartment Tank Wagon	311
14.62 ATBL 22 900L Single Compartment Tank Wagon	312
14.63 ATBL 46 980L Single Compartment Tank Wagon	313
14.64 STSC 19 100L Five Compartment Tank Wagon	314
14.65 STSC 22 900L Three Compartment Tank Wagon	315
14.66 STSC 22 775L Single Compartment Tank Wagon	316
14.67 STSC 40 090L Single Compartment Tank Wagon	317

14.68 STSC STBC 22 000L Single Compartment Tank Wagon	318
14.69 STSC 24 000L Single Compartment Tank Wagon	319
14.70 STSC 22 400L Single Compartment Tank Wagon	320
14.71 STS 48 190L Single Compartment Tank Wagon	321
14.72 STBC 22 500L Single Compartment Tank Wagon	322
14.73 STPC STZC 24 270L Single Compartment Tank Wagon	323
14.74 STOC STDC 22 700L Single Compartment Tank Wagon	324
14.75 STOC 22 700L Single Compartment Tank Wagon	325
14.76 STOC 22 700L Single Compartment Tank Wagon	326
14.77 STWC 20 450L Single Compartment Water Tank Wagon	327
14.78 STWC Poison Mixing Tank Single Compartment	328
14.79 SFAC Four Single Compartment Tank Wagon	329
14.80 ATMX 67 800L Single Compartment Class A Tank Wagon	330
14.81 ATOL 57 000L Single Compartment Tank Wagon	331
14.82 ATOL 45 460L Three Compartment Tank Wagon	332
14.83 ATAL 29 500L Sulphuric Acid Tank Wagon	333
15 Trailerail (TR series)	335
15.1 RALR RANR Trailerail Road Trailer	337
16 Vans (V series)	339
16.1 ALGX Bogie Louvre Van	341
16.2 ALGX Bogie Louvre Van	342
16.3 ARBX Bogie Insulated Van	343
16.4 ALHX Bogie Louvre Van All Door Sides	344
16.5 ALPY Bogie Louvre Van	345
16.6 ALHY Bogie Louvre Van All Door Sides	346
16.7 ALFA ALFY Bogie Louvre Van	347
16.8 ALFF Bogie Louvre Van	348
16.9 ABAA ABAF ABBA Box Car	349
16.10 ARBA ARBY ARPY Bogie Insulated Van	350
16.11 DWF 4 Wheel Louvred Car	351
16.12 DWF 4 Wheel Louvred Car	352
16.13 ALAA ALAY Bogie Louvre Van	353
16.14 ALAA ALPY Bogie Louvre Van	354
16.15 SLC Bogie Louvre Van	355
16.16 SLC Bogie Louvre Van	356
16.17 SLWC Bogie Louvre Van	357
16.18 SLZ 4 Wheel Louvred Van	358
16.19 ALXY Explosives Van	359

16.20EE 4 Wheel Explosives Van	360
16.21 SRRC Bogie Insulated Van	361
16.22VFN 4 Wheel Louvred van NG	362
Index	363



NRM-DB02

CHAPTER

1

MOTOR VEHICLE TRANSPORT (A SERIES)

- | | | |
|-----|--------------------------------------|----|
| 1.1 | AMOX Motor Body Transport Wagon | 3 |
| 1.2 | AMMX Motor Body Transport Wagon | 4 |
| 1.3 | AMAX Motor Body Transport Wagon | 5 |
| 1.4 | AMBX Motor Body Transport Wagon | 6 |
| 1.5 | AMBX AMBP Motor Body Transport Wagon | 7 |
| 1.6 | AMOP Passenger Motor Vehicle Wagon | 8 |
| 1.7 | AMKF Passenger Motor Vehicle Wagon | 9 |
| 1.8 | AMGF Passenger Motor Vehicle Wagon | 10 |
| 1.9 | AMDY Passenger Motor Vehicle Wagon | 11 |

DIESEL HYDRAULIC RAIL CAR

WHERE BUILT		No.	DATE
S.A. RAILWAYS ISLINGTON		11	1951

BRAKE POWER PTR EFFICIENCY TARE WEIGHT	CAPACITY CURRIC SOLV. NAME / LOAD	JOURNAL TYPE, SPACE EASING STRENGTH
AIR & HAND TARE	CHARGE	CENTRE 2

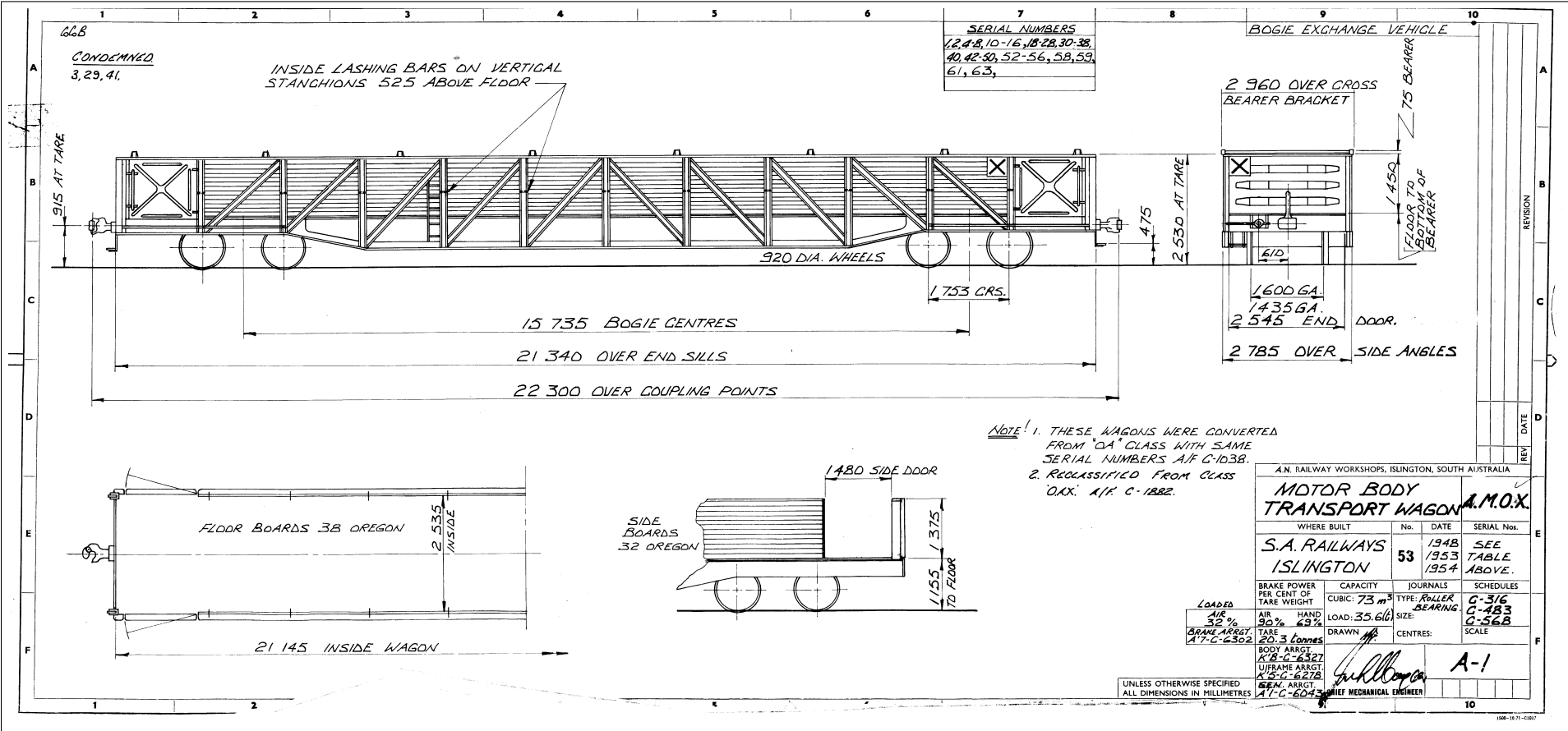
SLUICING
L.A.C. 250

IN-SAME ASSET
L.A.C. 4537

MOBILE ASSET
L.A.C. 250

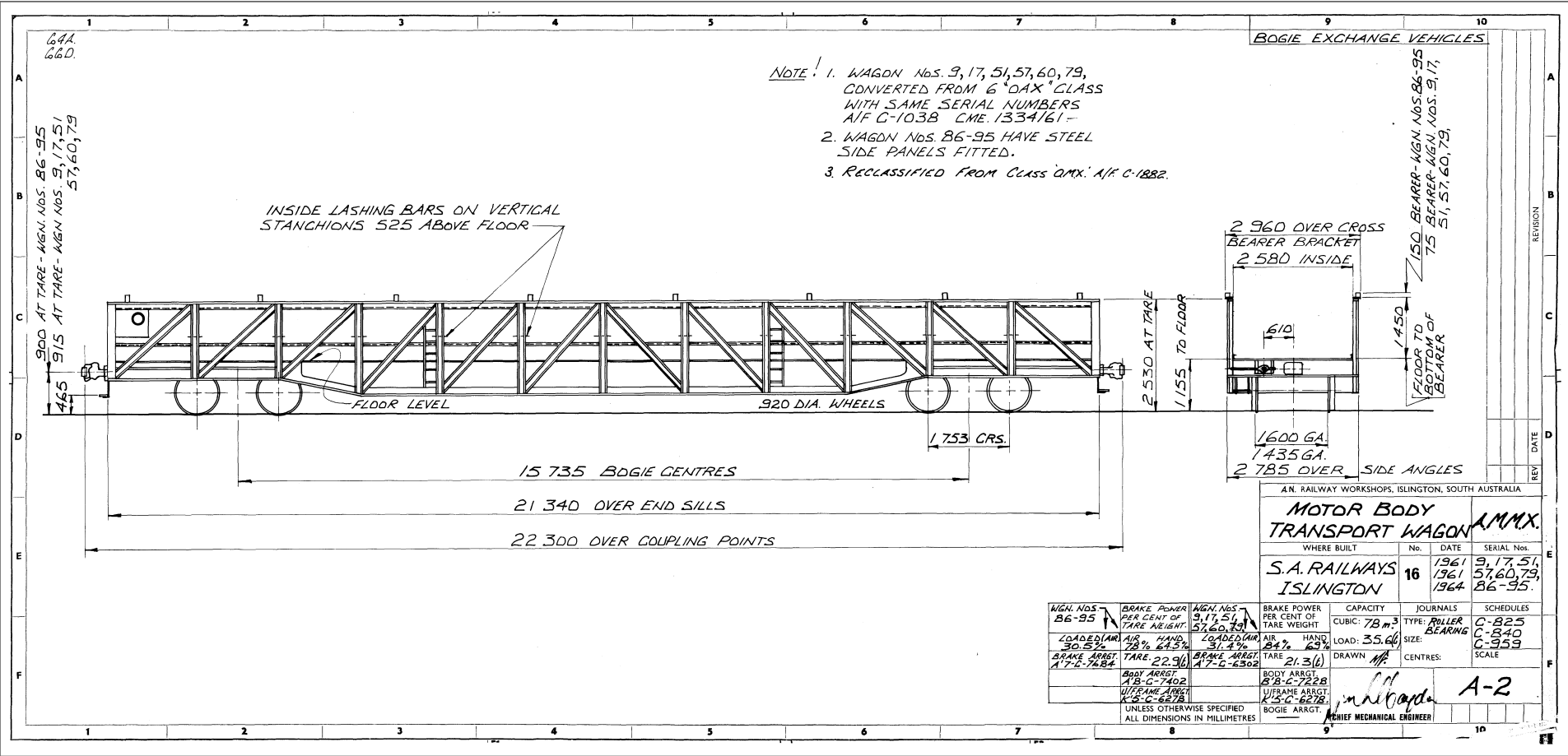
CHEF MECHANICAL ENGINEER

1.1 AMOX Motor Body Transport Wagon



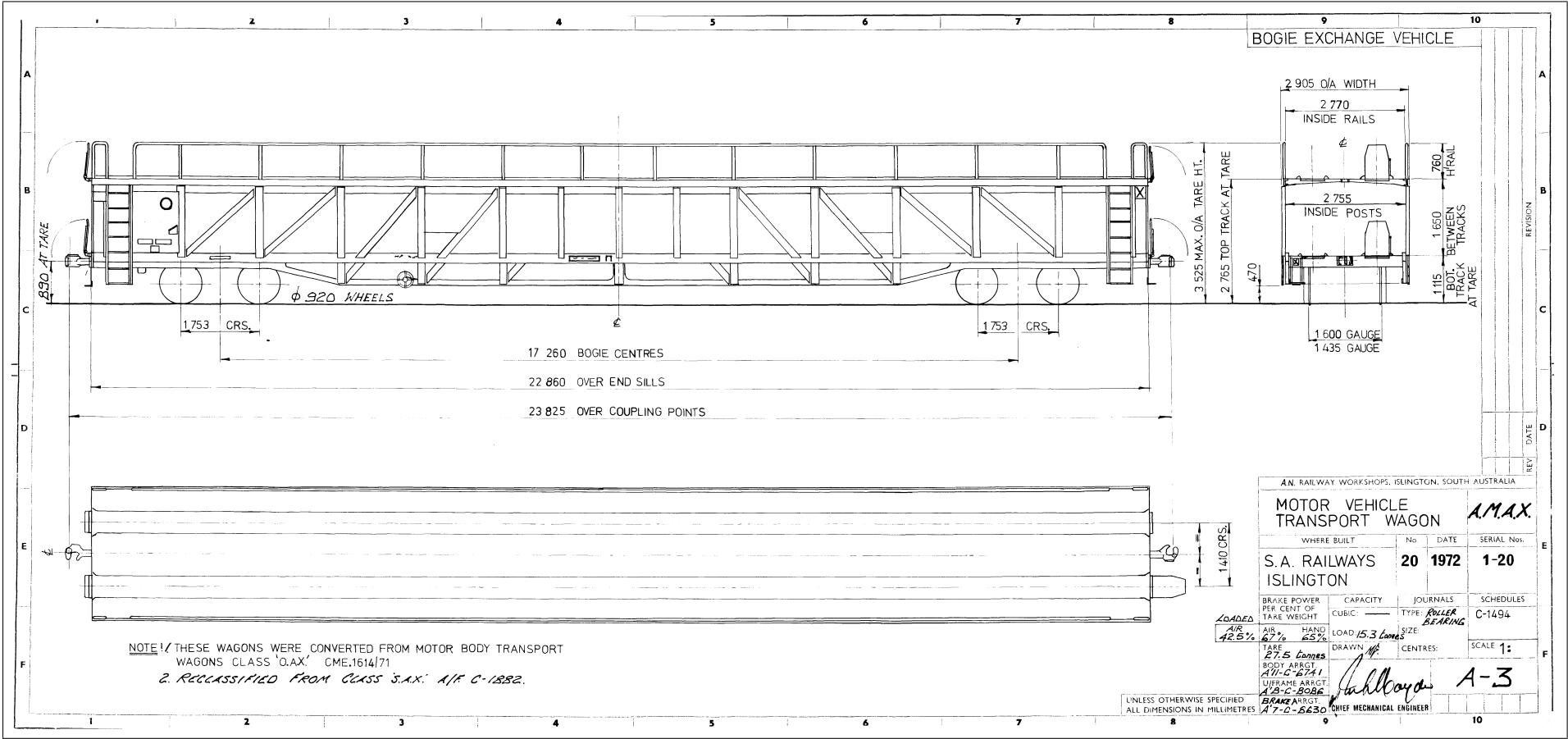
PlanId: A01

1.2 AMMX Motor Body Transport Wagon



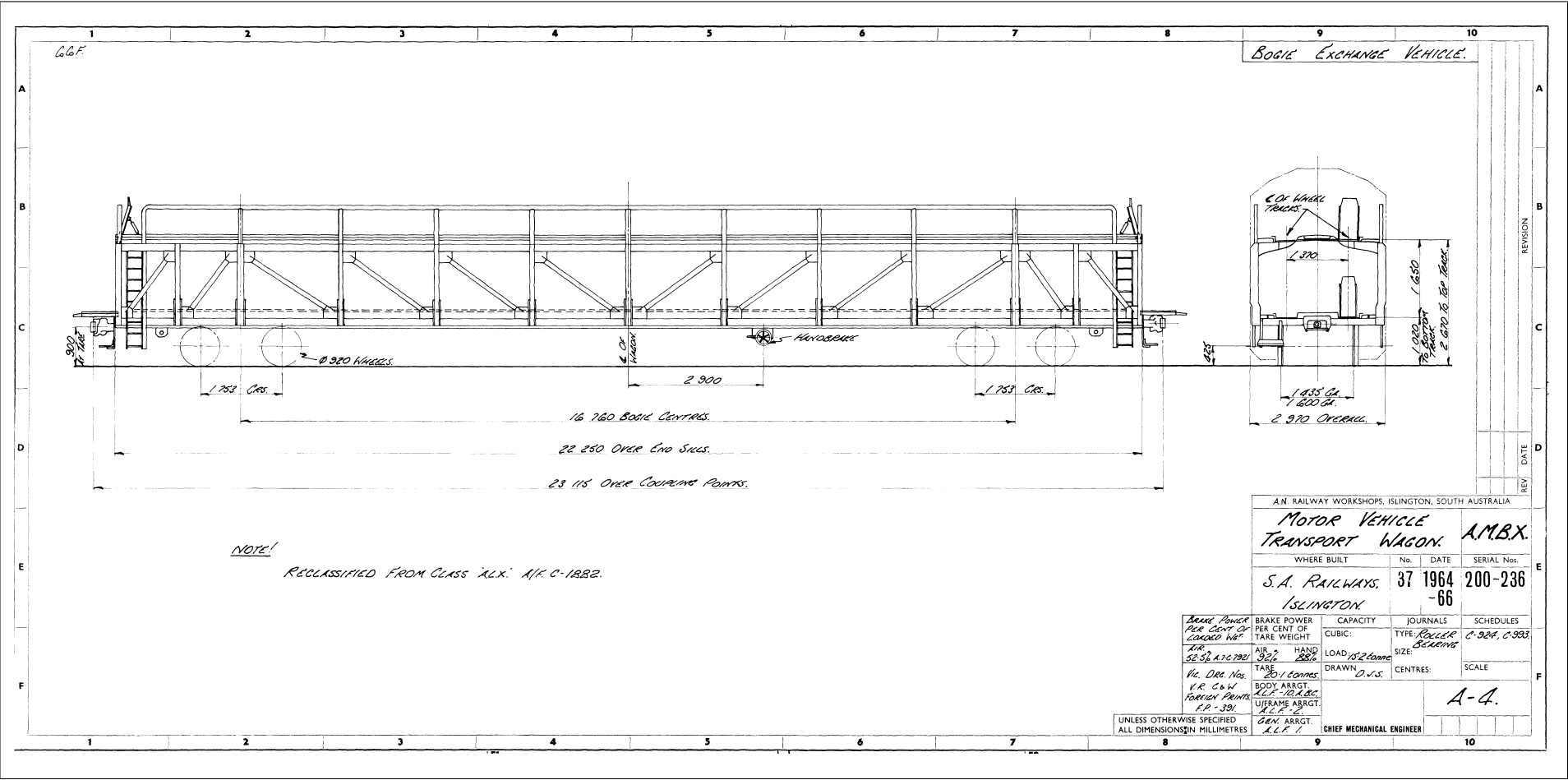
PlanId: A02

1.3 AMAX Motor Body Transport Wagon



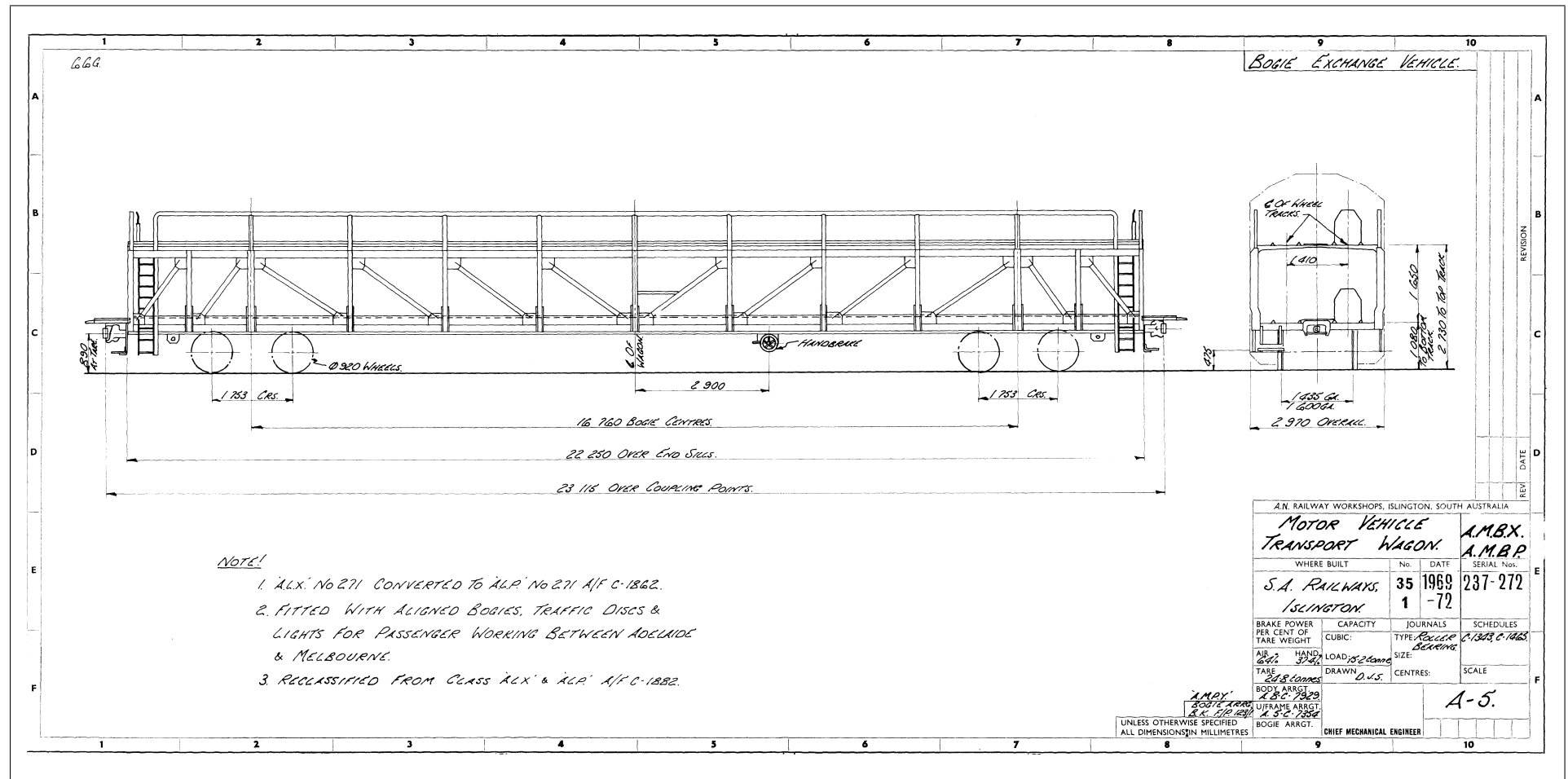
PlanId: A03

1.4 AMBX Motor Body Transport Wagon



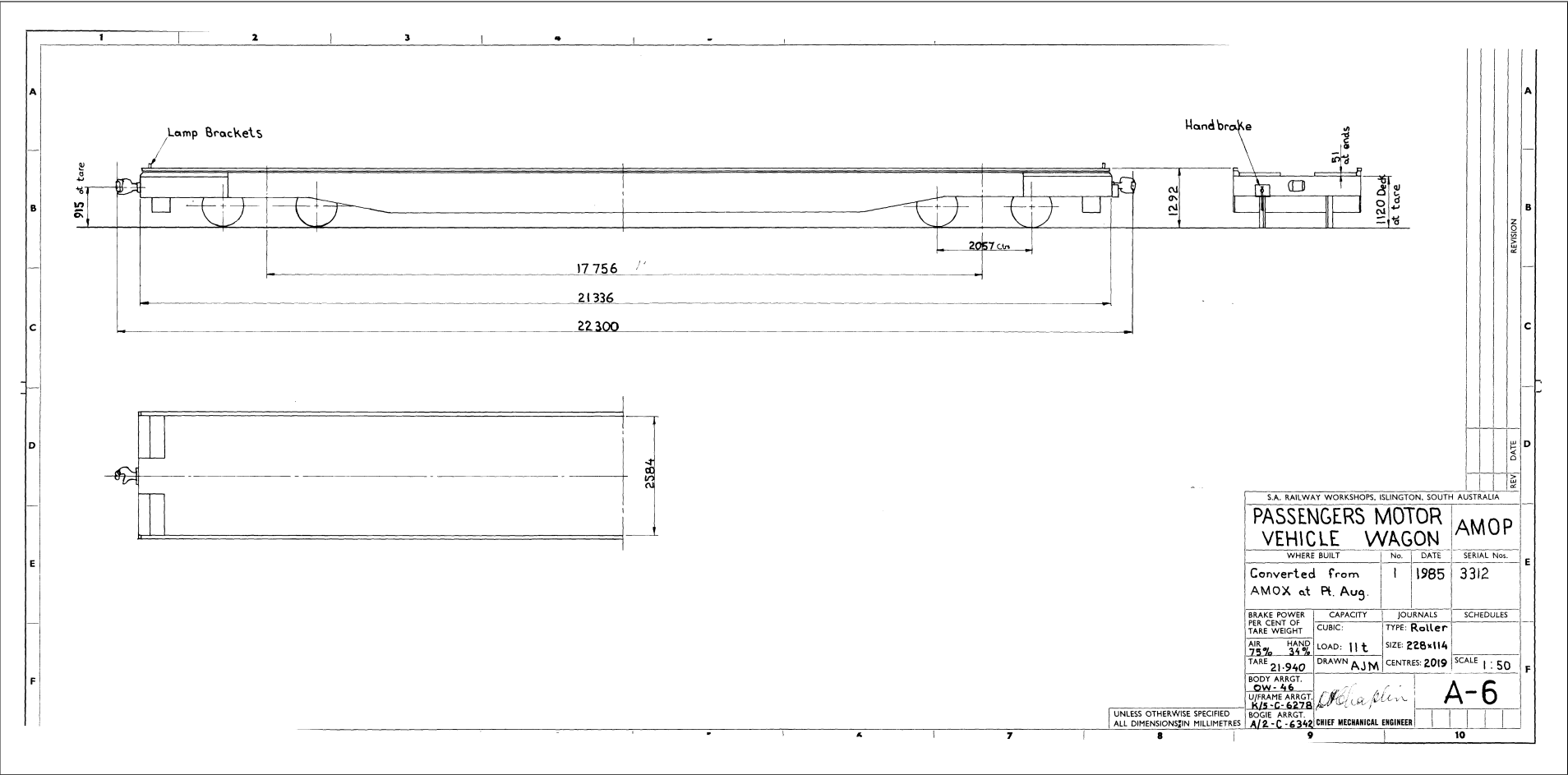
PlanId: A04

1.5 AMBX AMBP Motor Body Transport Wagon



PlanId: A05

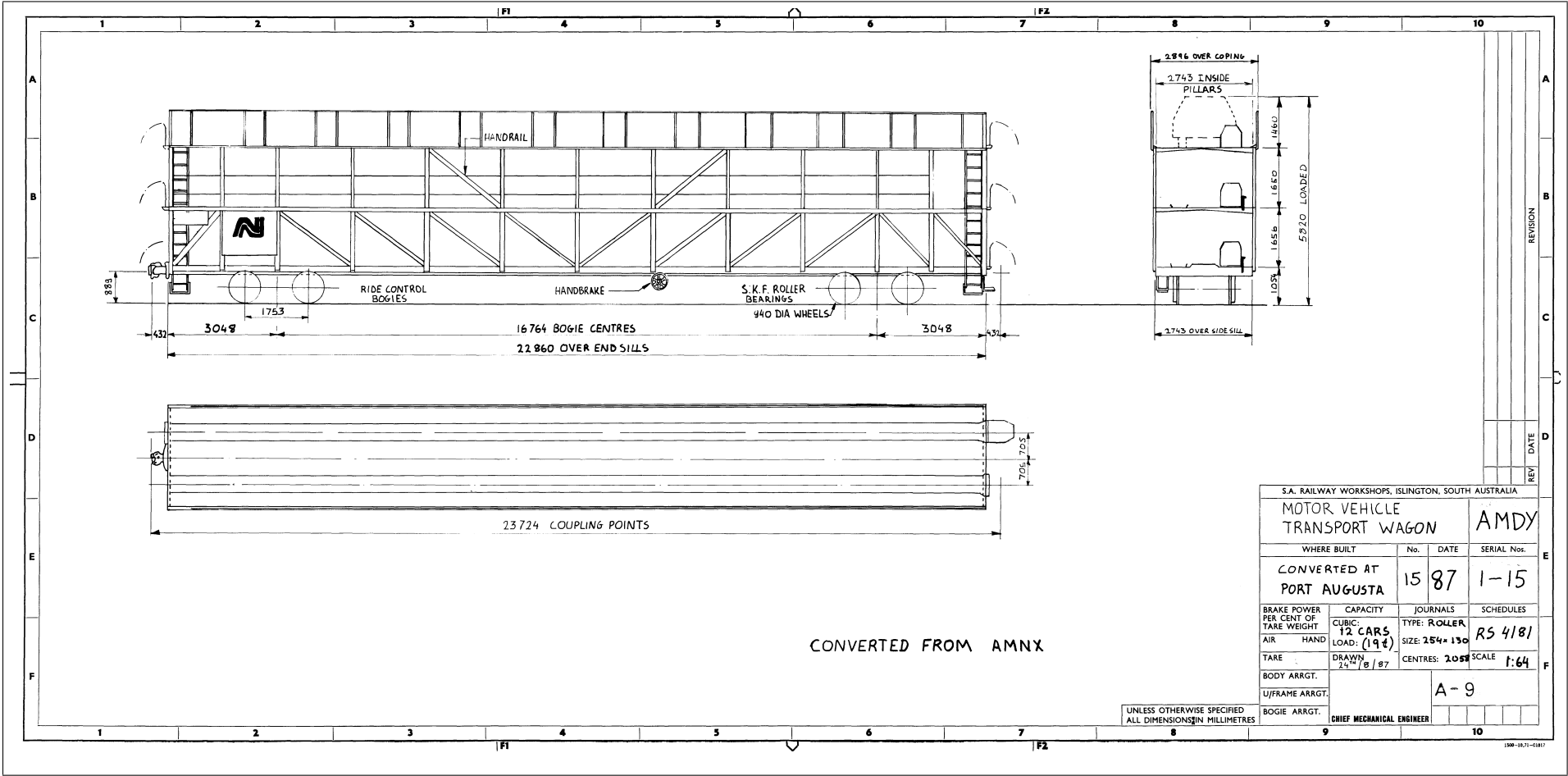
1.6 AMOP Passenger Motor Vehicle Wagon



PlanId: A06



1.9 AMDY Passenger Motor Vehicle Wagon



PlanId: A09



NRM-DB02

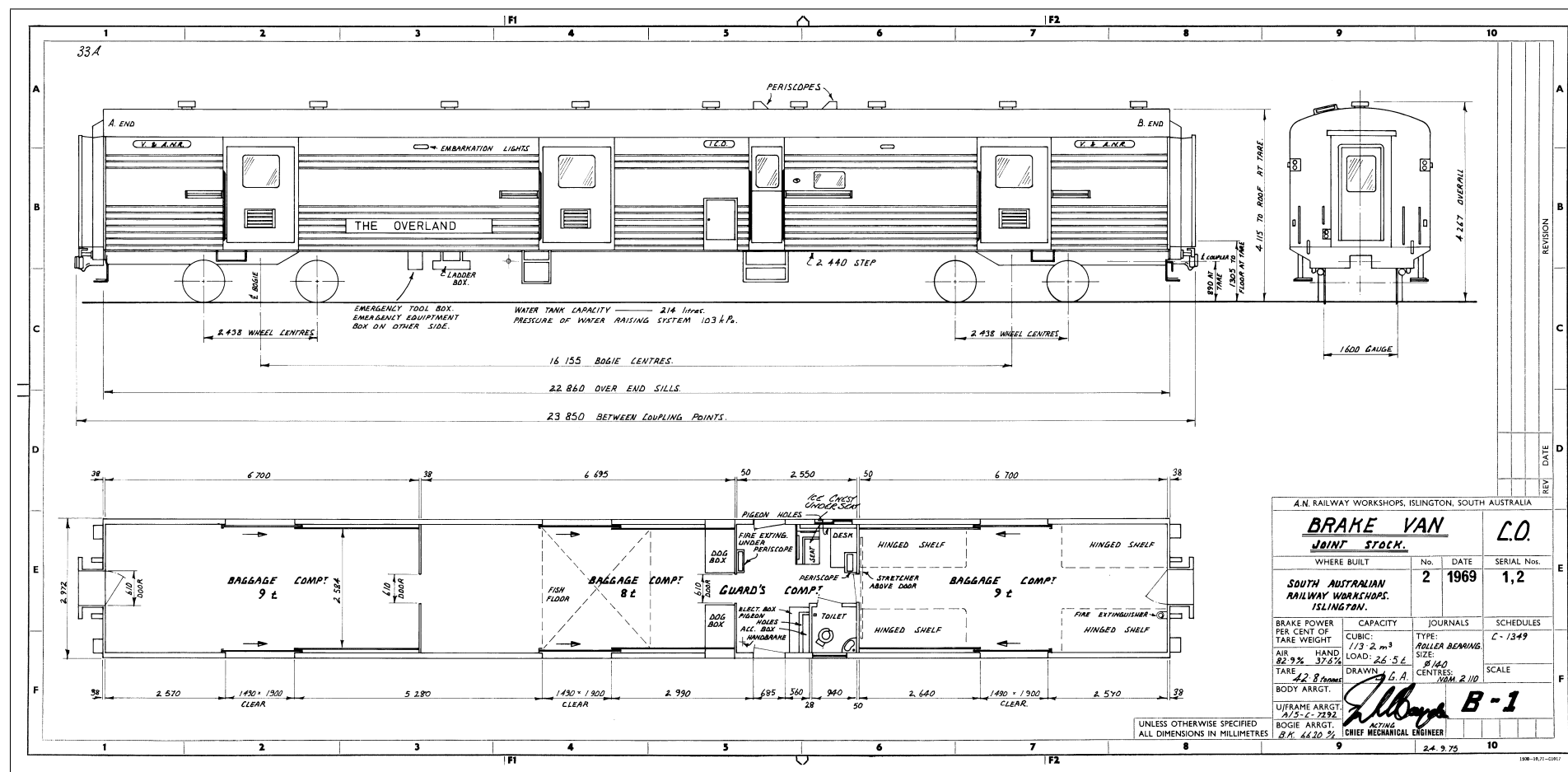
CHAPTER

2

BRAKE, LUGGAGE AND POWER (B SERIES)

2.1	CO Joint Stock Brake Van	15
2.2	PCO Joint Stock Power Brake Van	16
2.3	D Joint Stock Mail Van	17
2.4	8300 Steel Brake Van Goods and 4 Passenger	18
2.5	8300 Steel Brake Van Goods and 8 Passenger	19
2.6	8300 Steel Brake Van Goods and 8 Passenger	20
2.7	CD SCD Passenger Brake Van	21
2.8	CGP Steel Brake Van Passenger and Goods	22
2.9	JCP Steel Brake Van	23
2.10	CGN Steel Brake Van	24

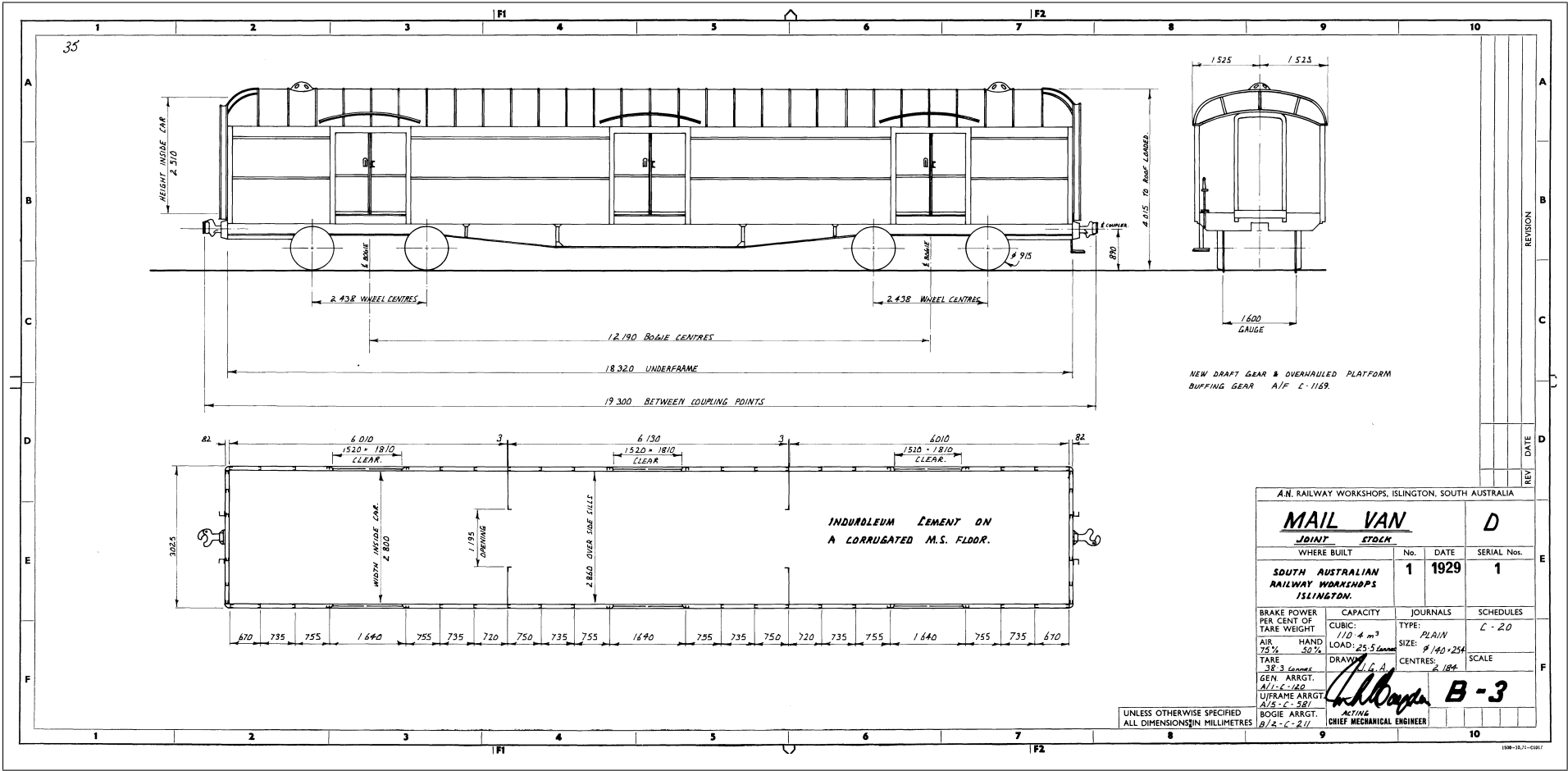
2.1 CO Joint Stock Brake Van



PlanId: B01



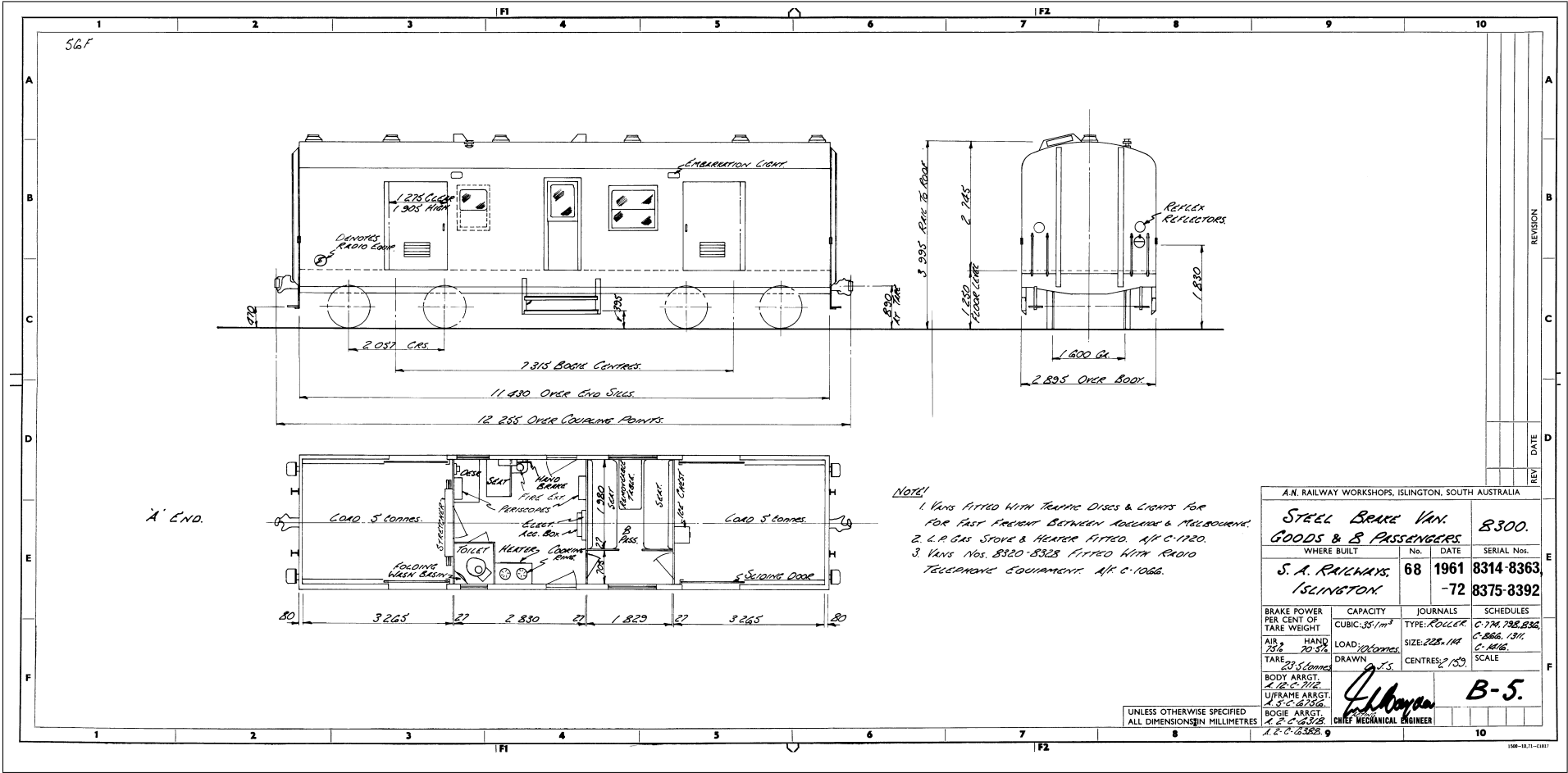
2.3 D Joint Stock Mail Van



PlanId: B03



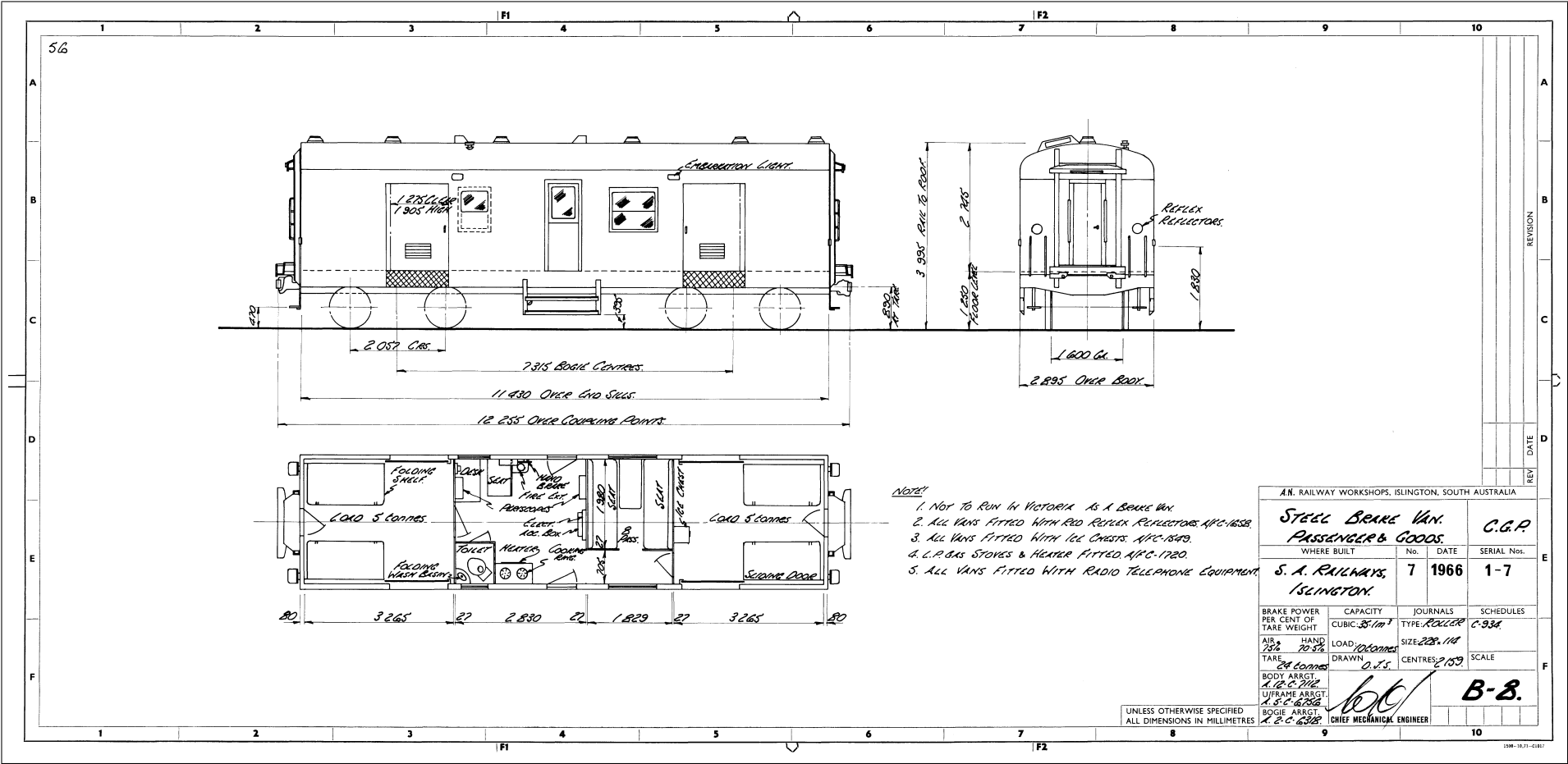
2.5 8300 Steel Brake Van Goods and 8 Passenger



PlanId: B05



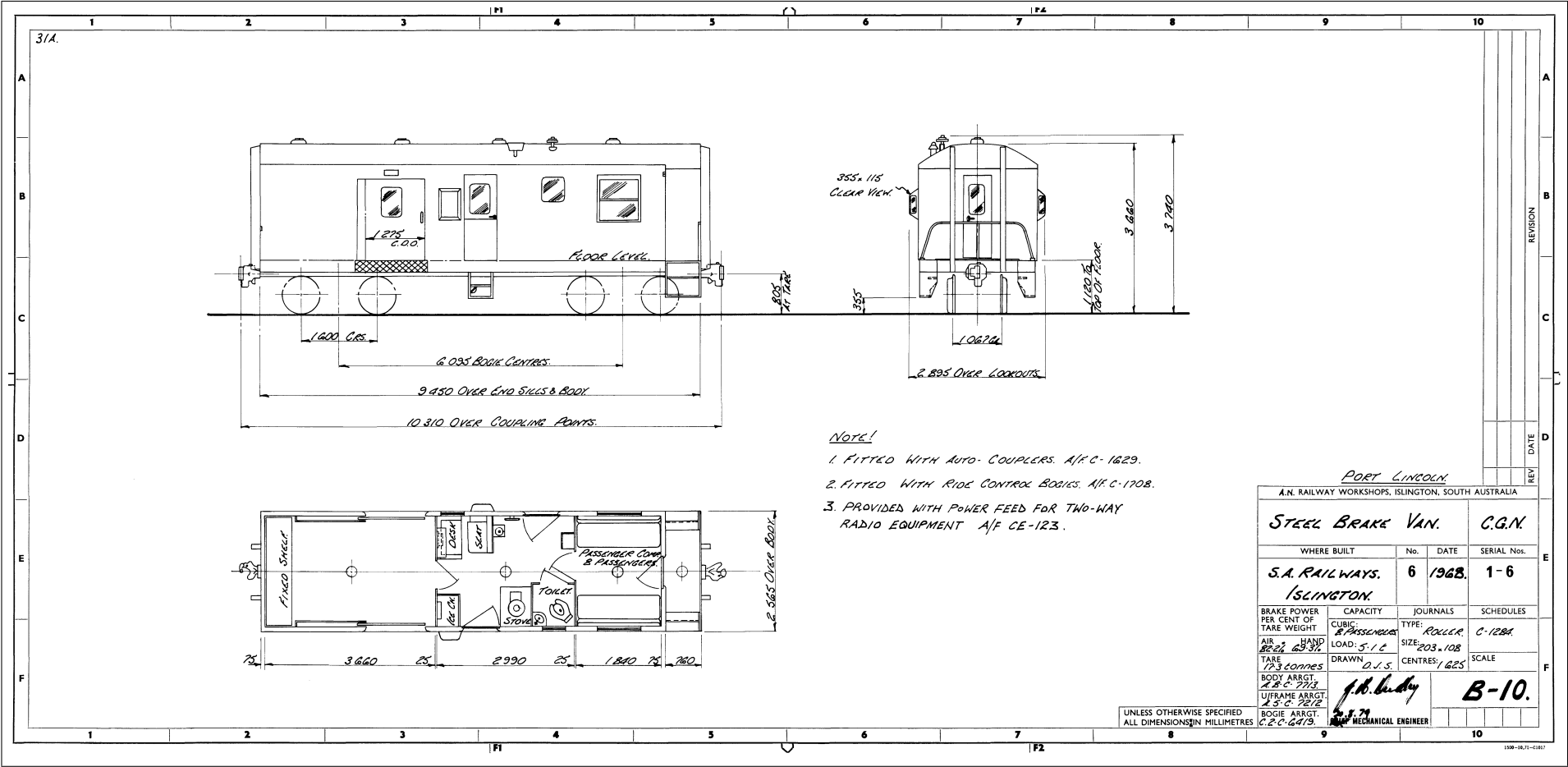
2.8 CGP Steel Brake Van Passenger and Goods



PlanId: B08



2.10 CGN Steel Brake Van



PlanId: B10



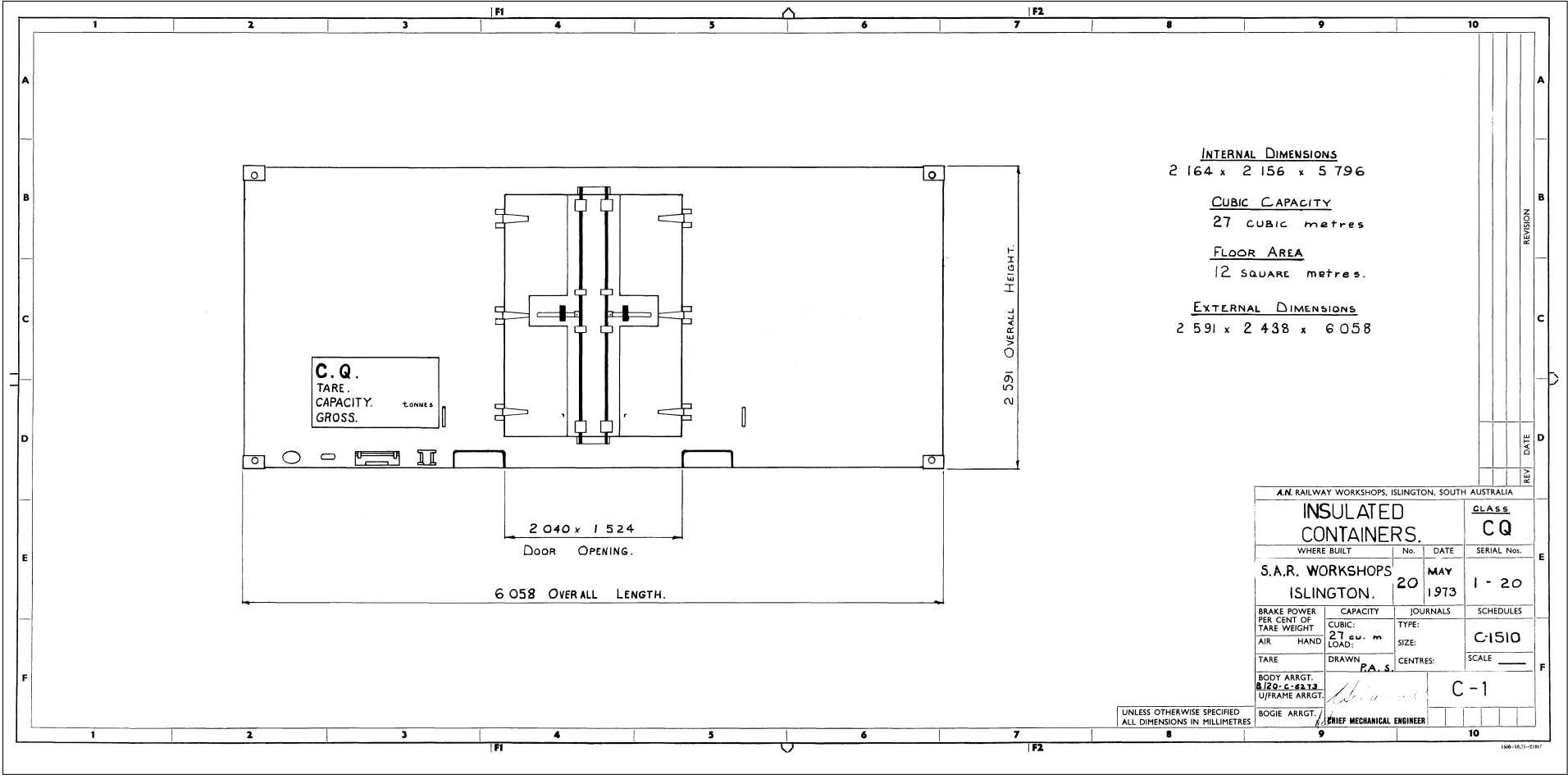
CHAPTER

3

CONTAINERS (C SERIES)

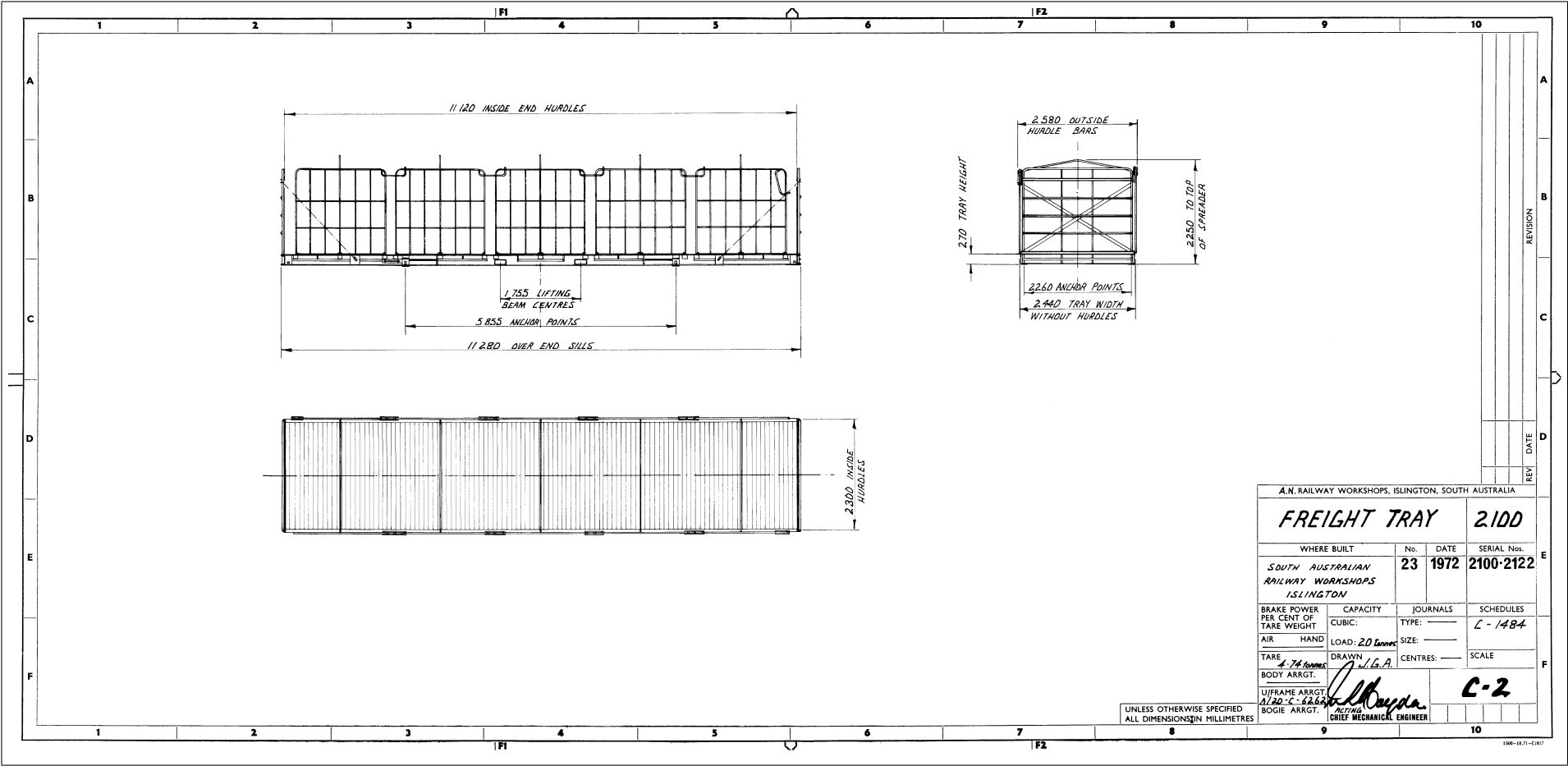
3.1	CQ Insulated Container	27
3.2	2100 Freight Tray <i>16 155' Board Centres</i>	28
3.3	CTQ Insulated Container	29

3.1 CQ Insulated Container



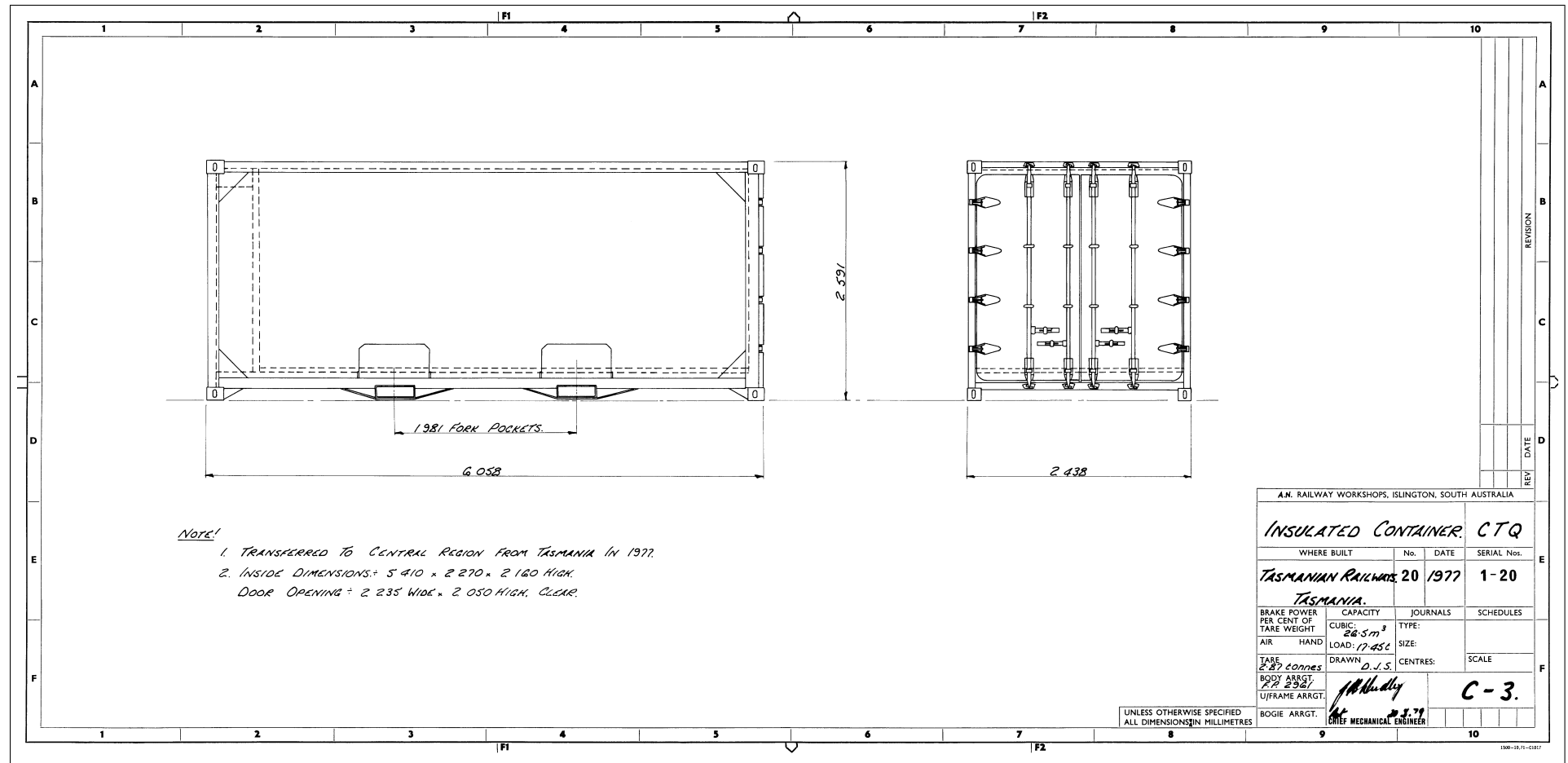
PlanId: c01

3.2 2100 Freight Tray



PlanId: c02

3.3 CTQ Insulated Container



PlanId: c03



NRM-DB02

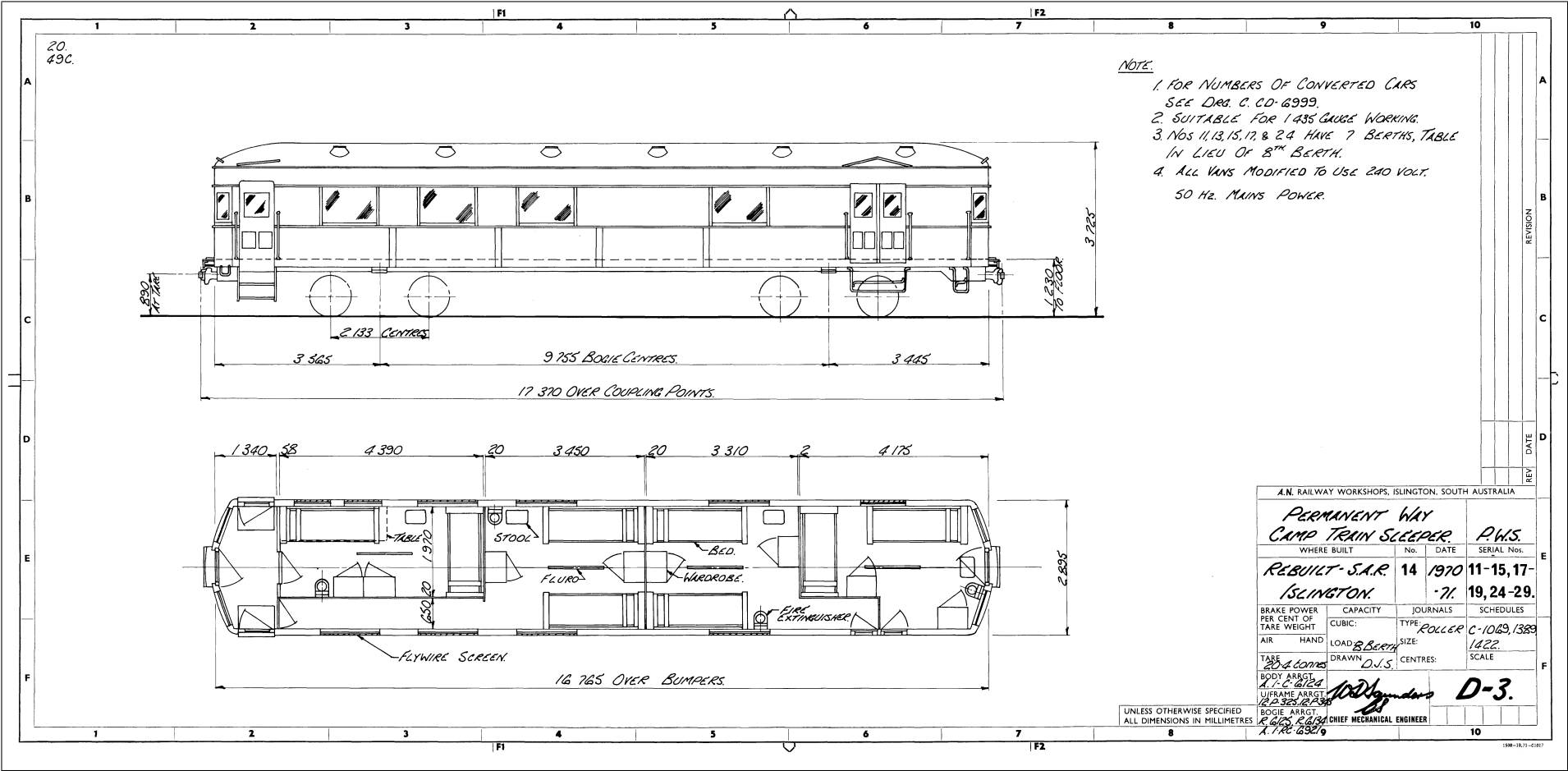
CHAPTER

4

DEPARTMENTAL (D SERIES)

4.1	PWS Permanent Way Camp Train Sleeper	33
4.2	PWS Permanent Way Camp Train Sleeper	34
4.3	PWK Permanent Way Camp Dining & Kitchen Car	35
4.4	PWA Permanent Way Camp Ablutions Car	36
4.5	PWA Permanent Way Camp Ablutions Car	37
4.6	PWA Permanent Way Camp Ablutions Car	38
4.7	Employees Sleeping Van	39
4.8	Employees Sleeping Van	40
4.9	Employees Sleeping Van	41
4.10	Employees Sleeping Van	42
4.11	Employees 4 Wheel Sleeping Van	43
4.12	FRT Rail Train Intermediate Wagon	44
4.13	FRT Rail Train End Wagon	45
4.14	FRT Rail Train End Wagon	46
4.15	FRT Rail Train End Wagon	47
4.16	YR Rail Train Loading Wagon	48
4.17	SP Double Blade Ballast Plough	49

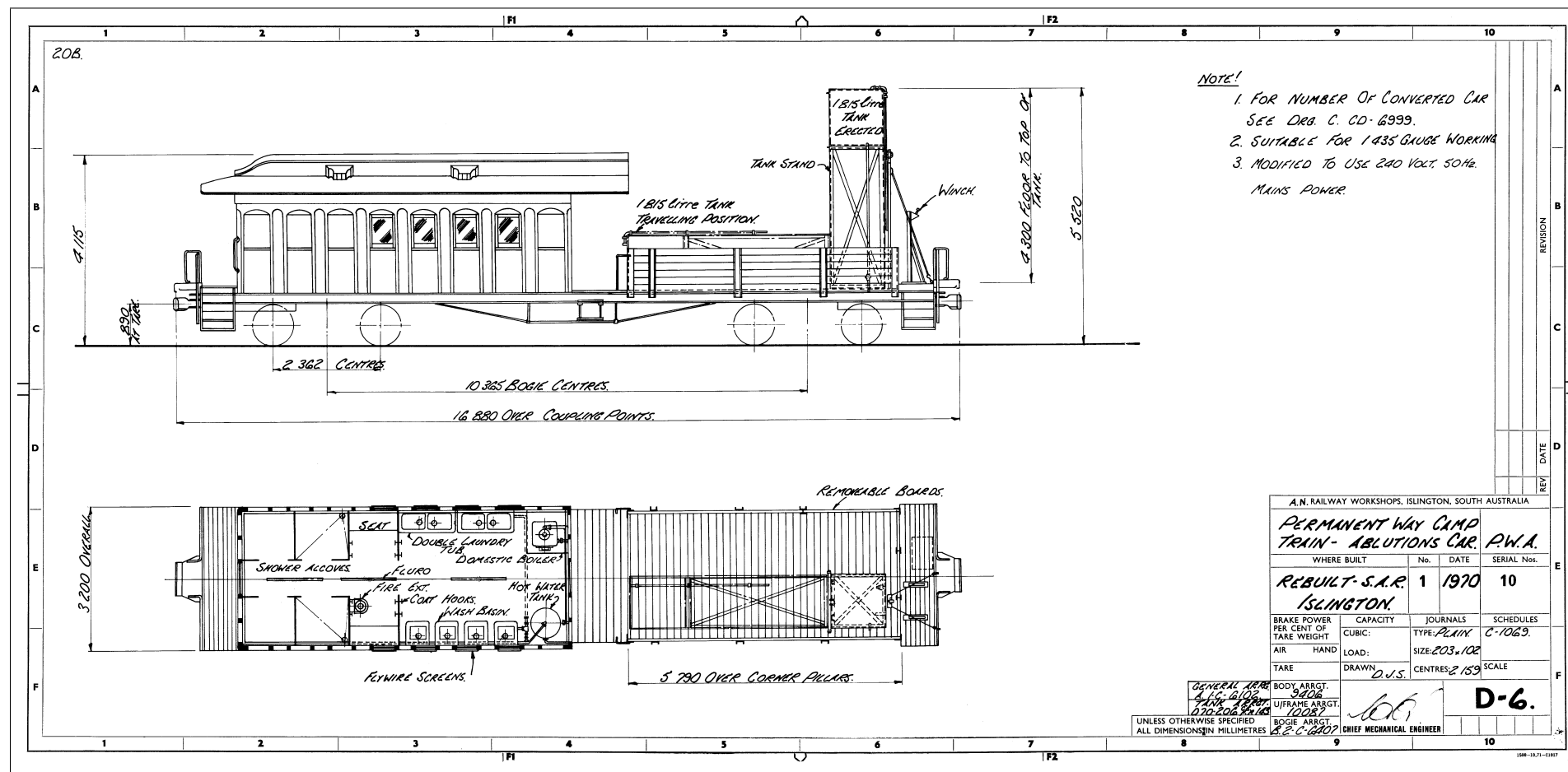
4.2 PWS Permanent Way Camp Train Sleeper



PlanId: d03

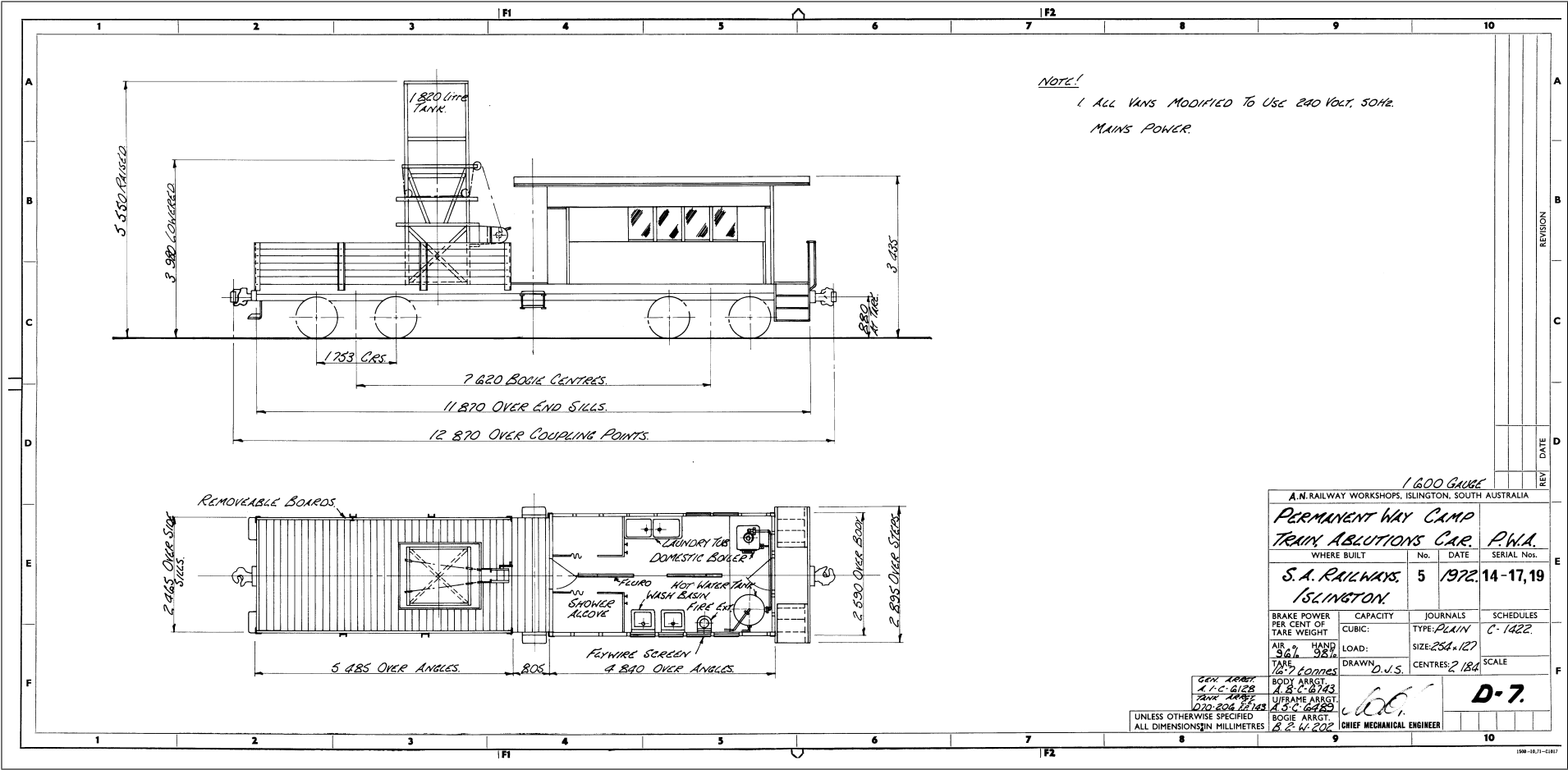


4.5 PWA Permanent Way Camp Ablutions Car



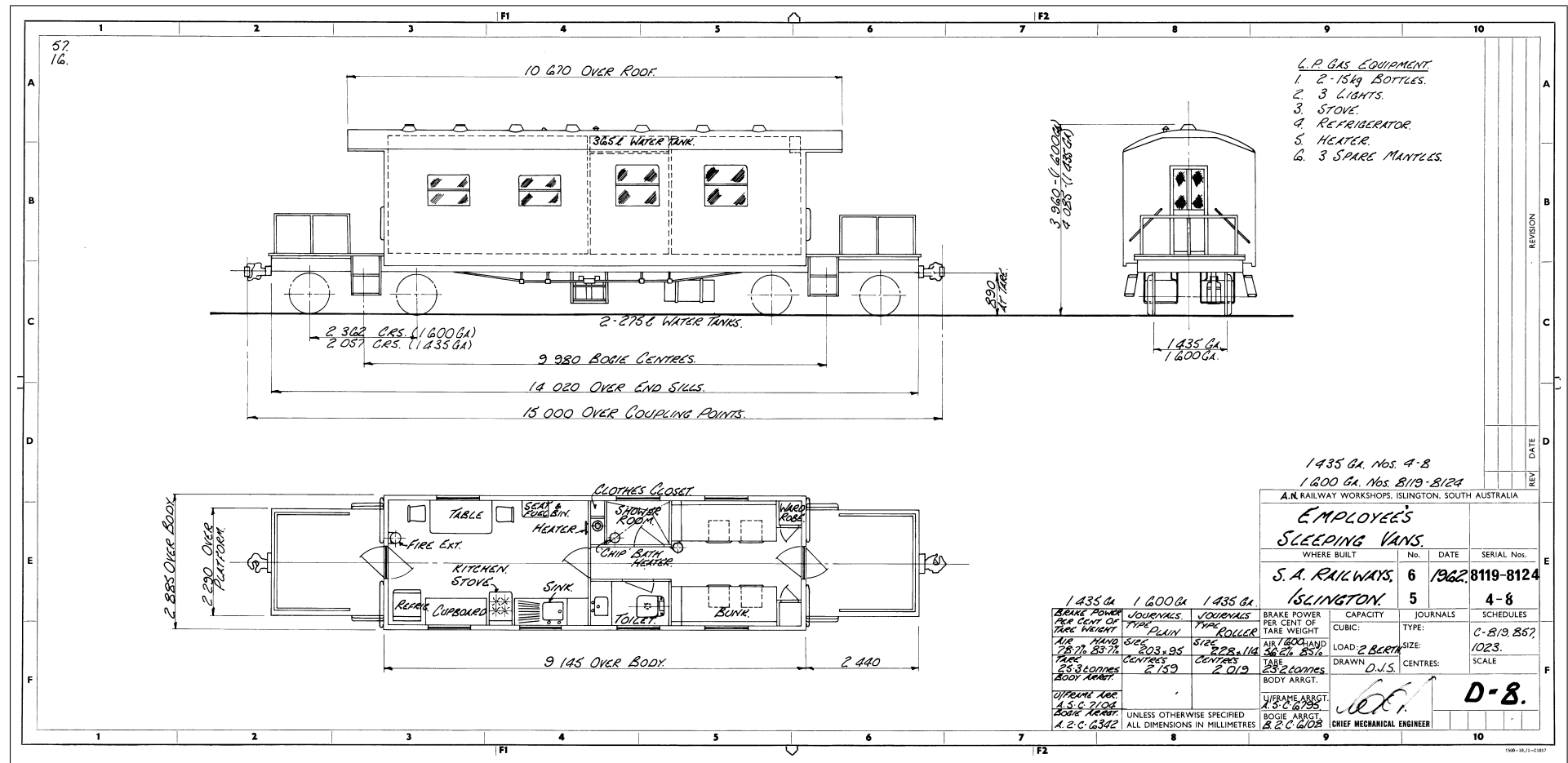
PlanId: d06

4.6 PWA Permanent Way Camp Ablutions Car



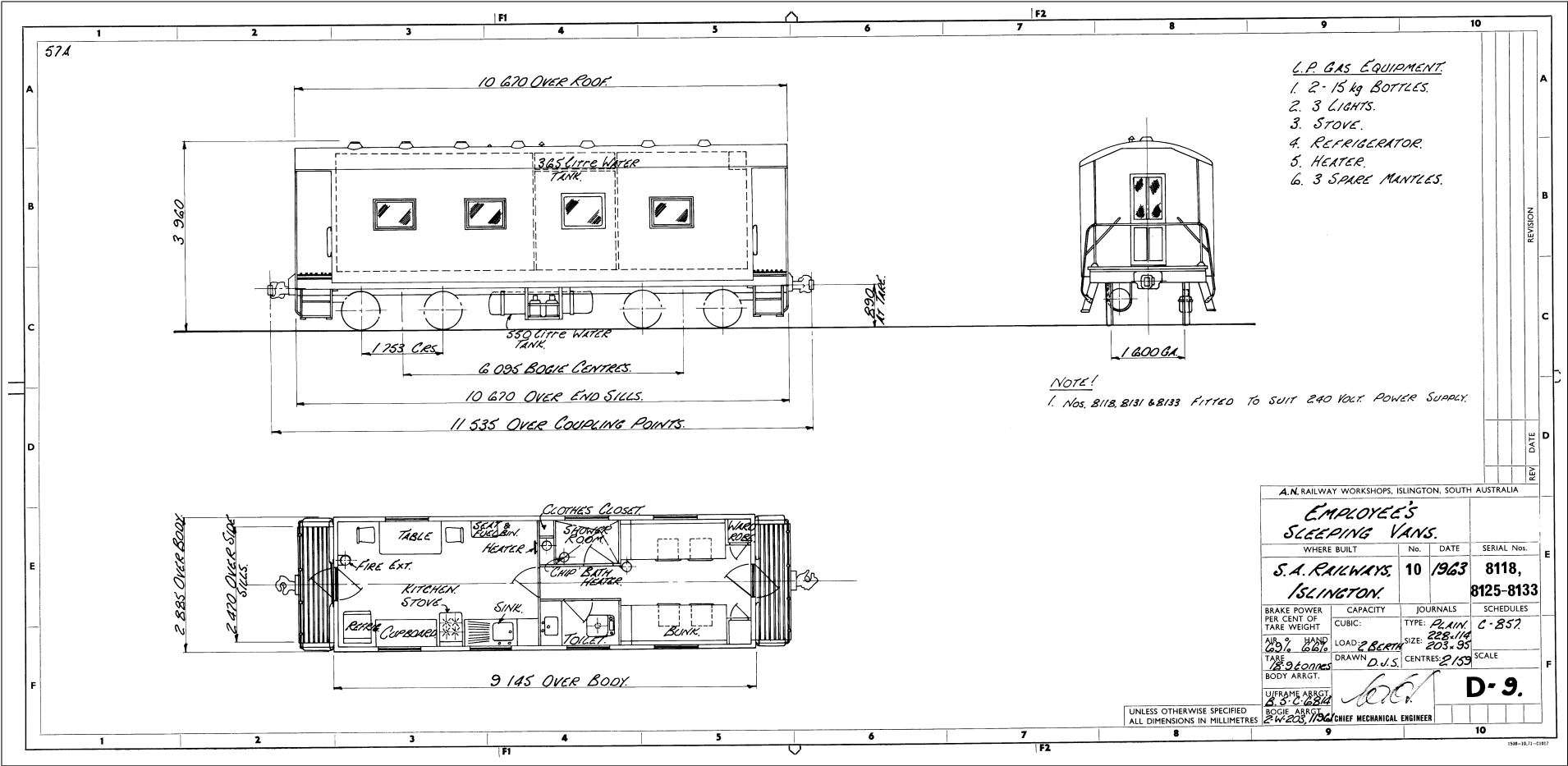
PlanId: d07

4.7 Employees Sleeping Van



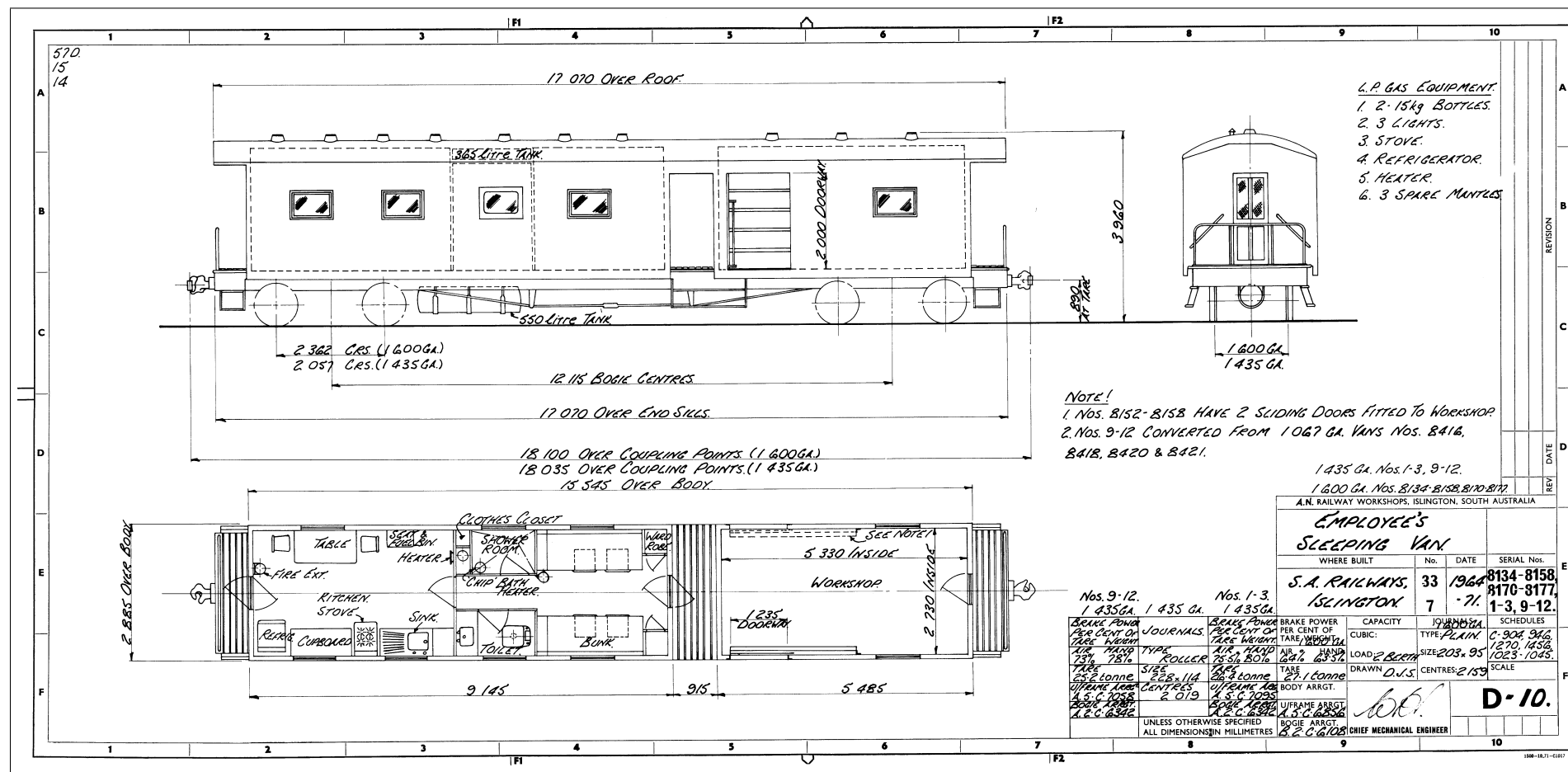
PlanId: d08

4.8 Employees Sleeping Van



PlanId: d09

4.9 Employees Sleeping Van

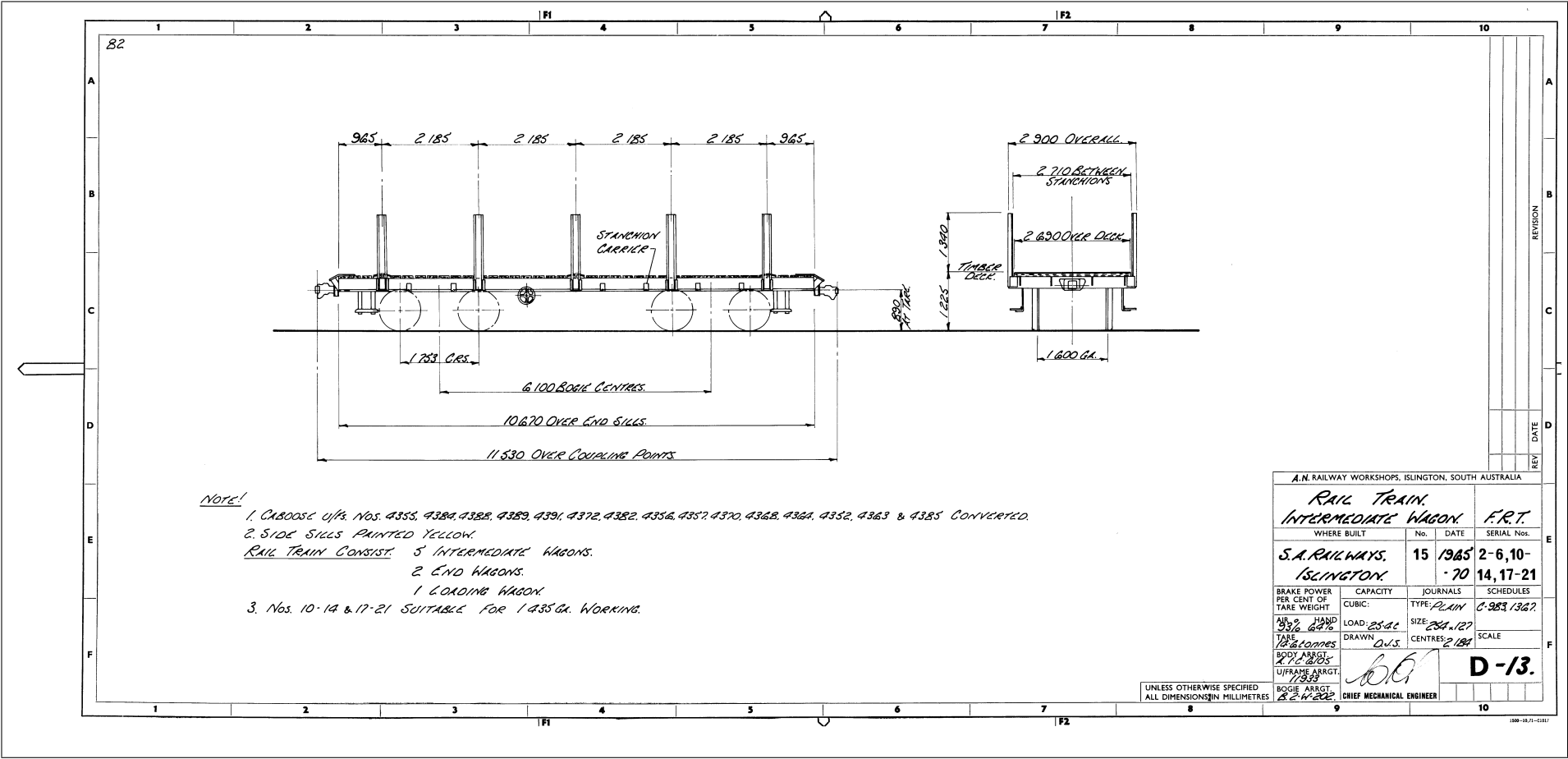


PlanId: d10



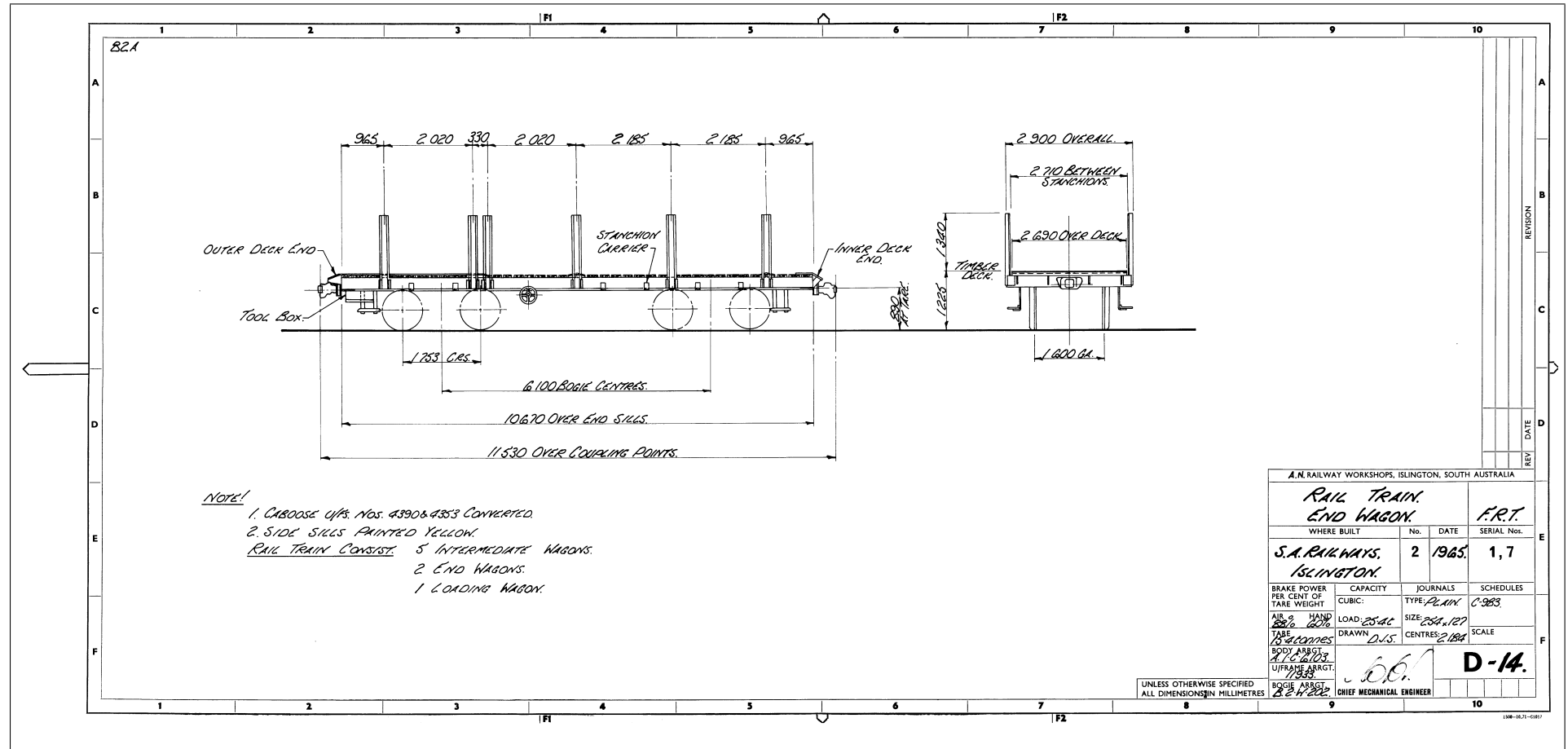


4.12 FRT Rail Train Intermediate Wagon



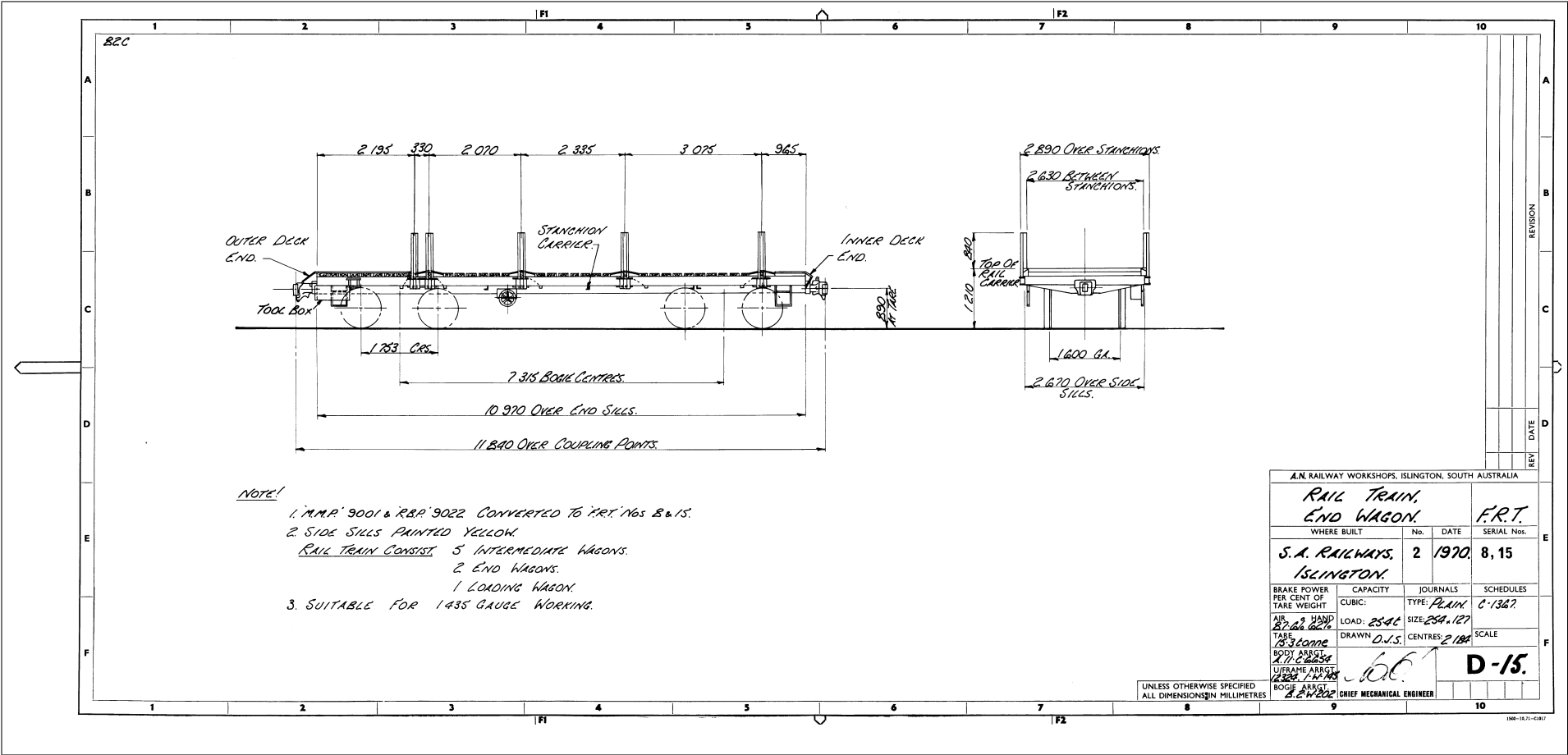
PlanId: d13

4.13 FRT Rail Train End Wagon



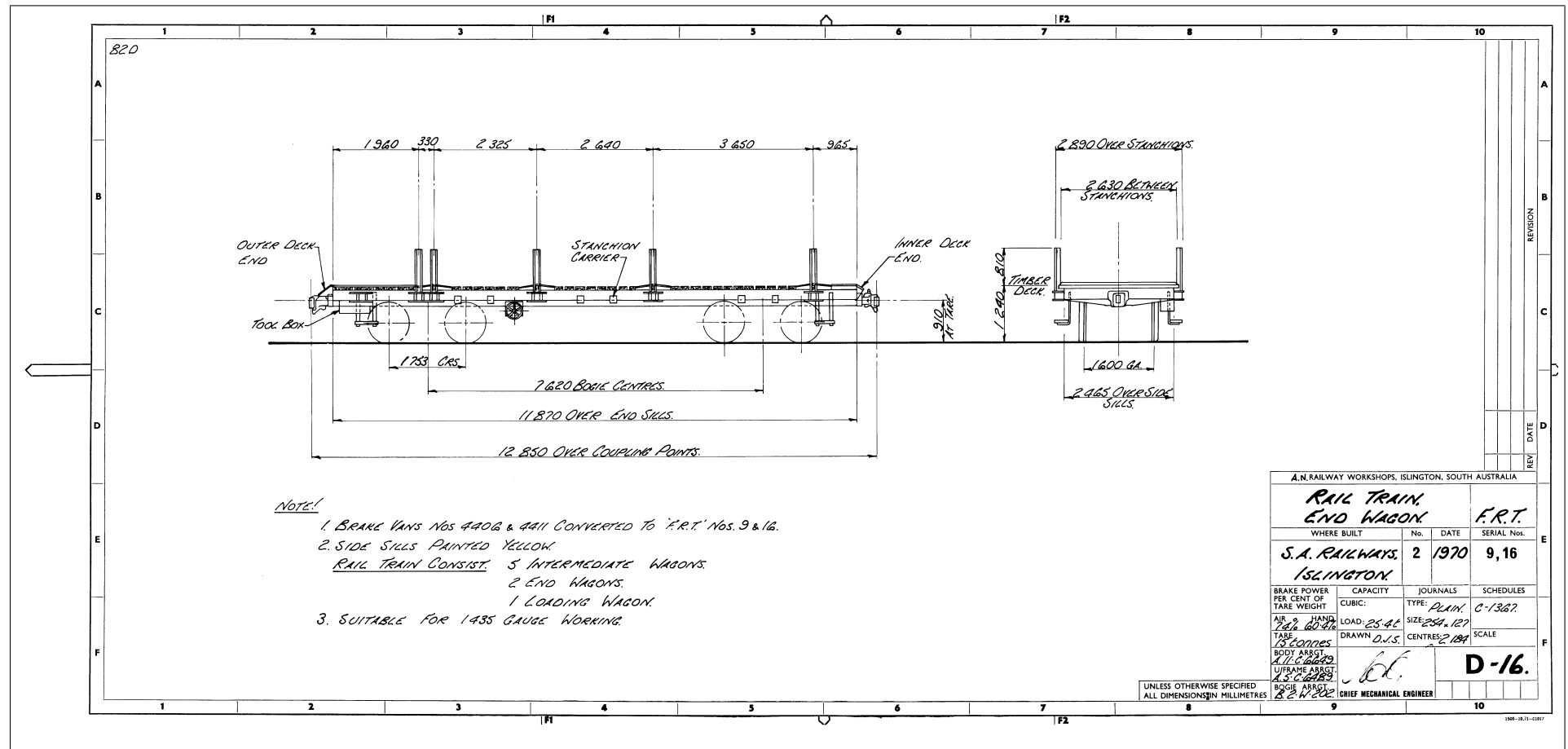
PlanId: d14

4.14 FRT Rail Train End Wagon



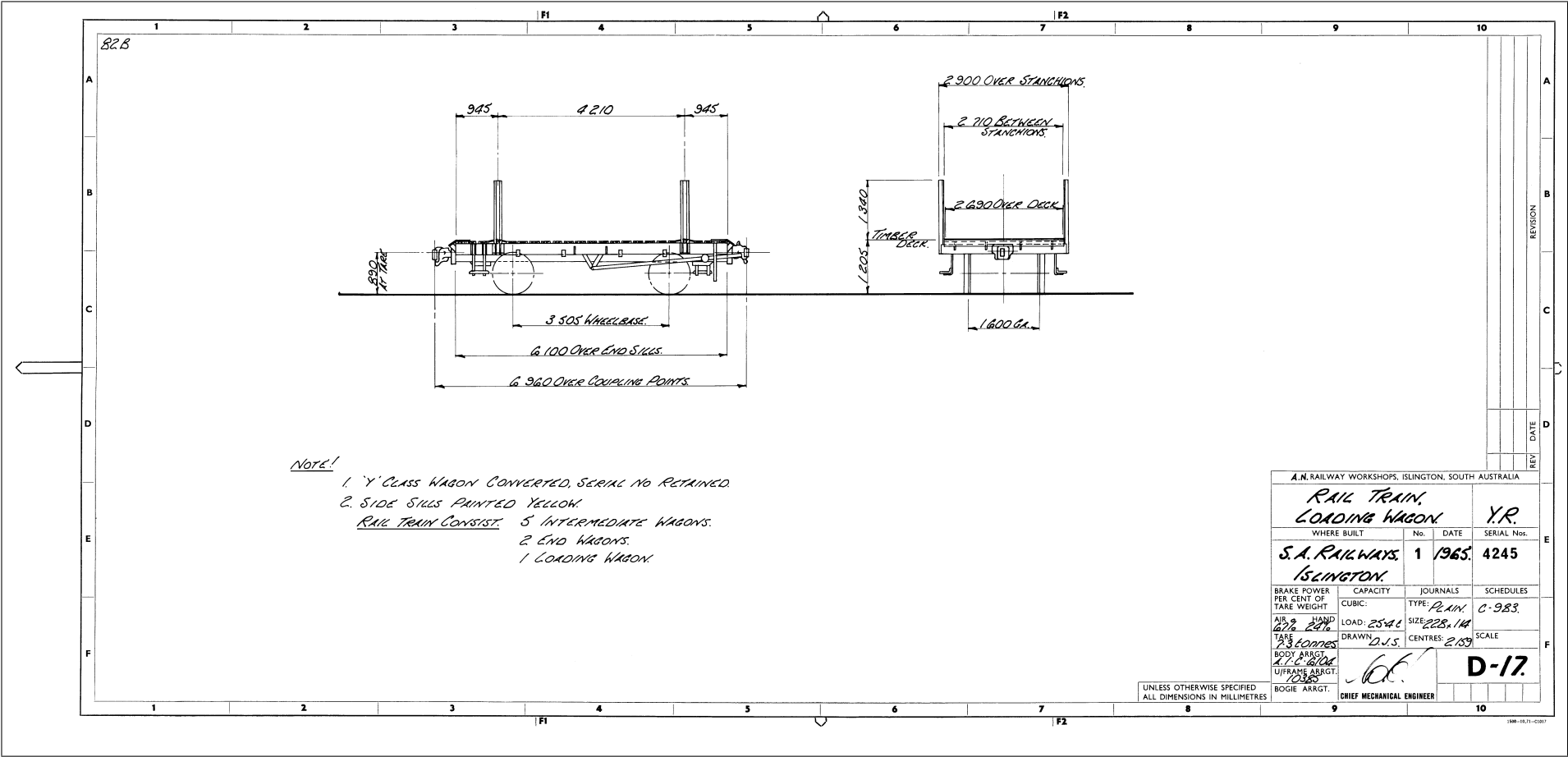
PlanId: d15

4.15 FRT Rail Train End Wagon



PlanId: d16

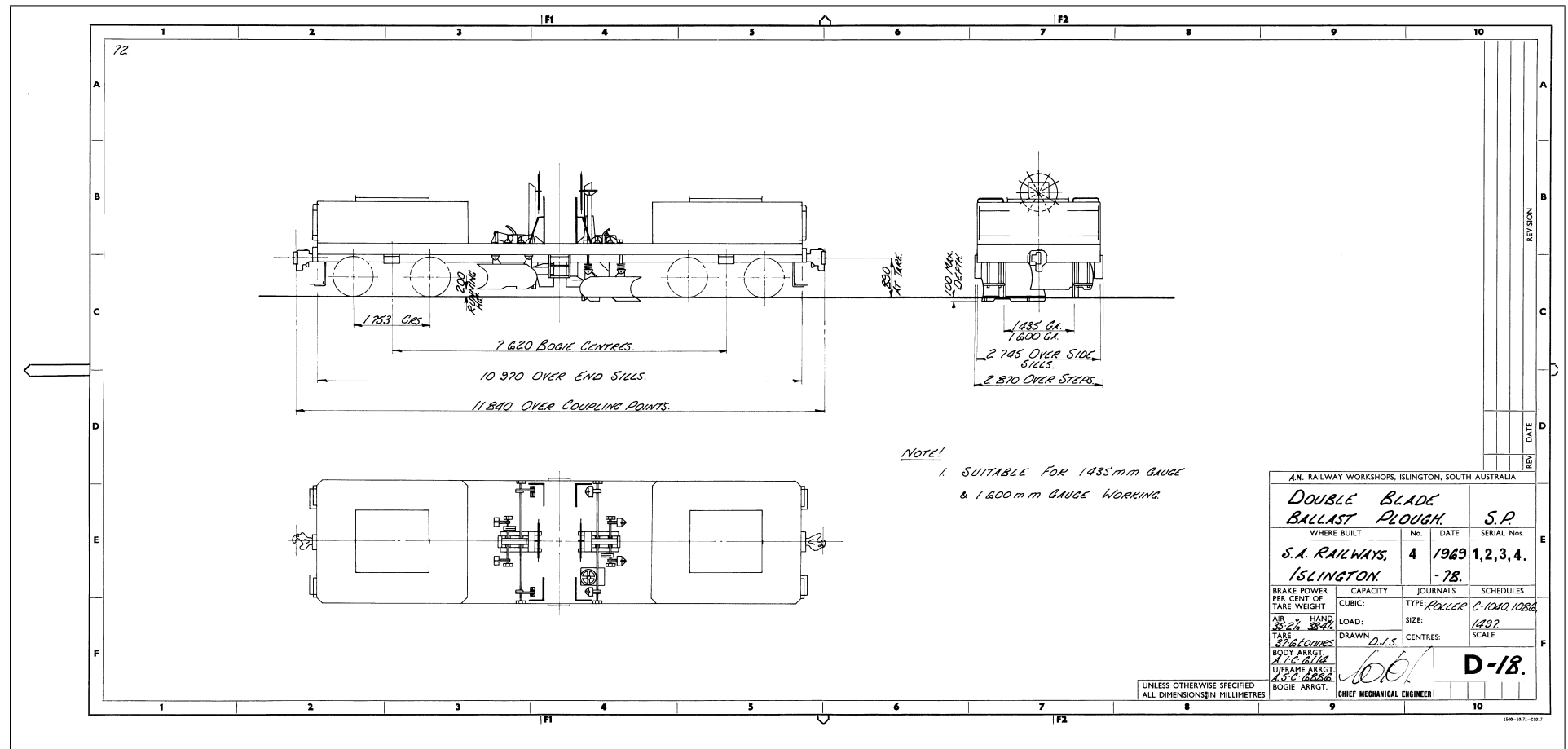
4.16 YR Rail Train Loading Wagon



PlanId: d17

indexRail Train

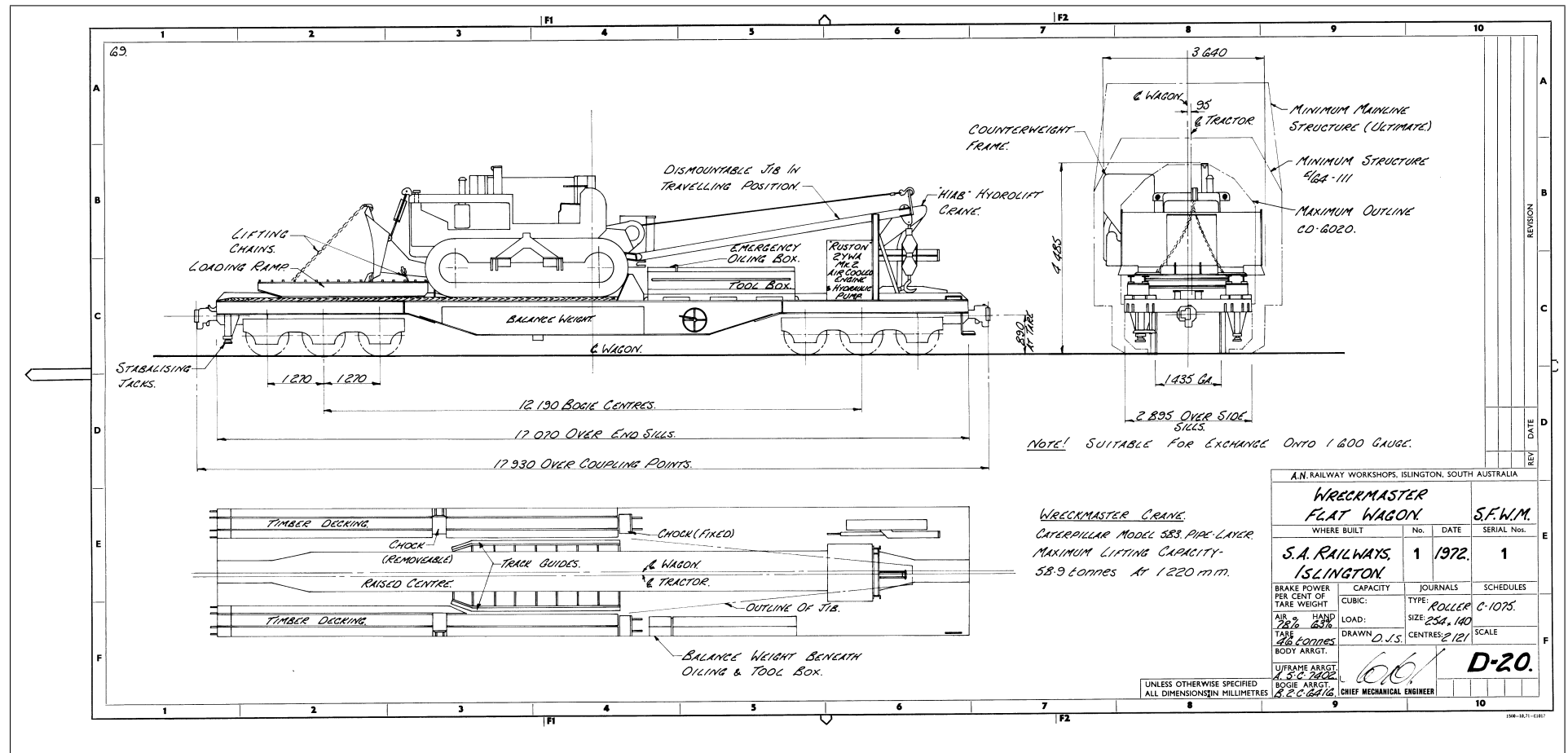
4.17 SP Double Blade Ballast Plough



PlanId: d18

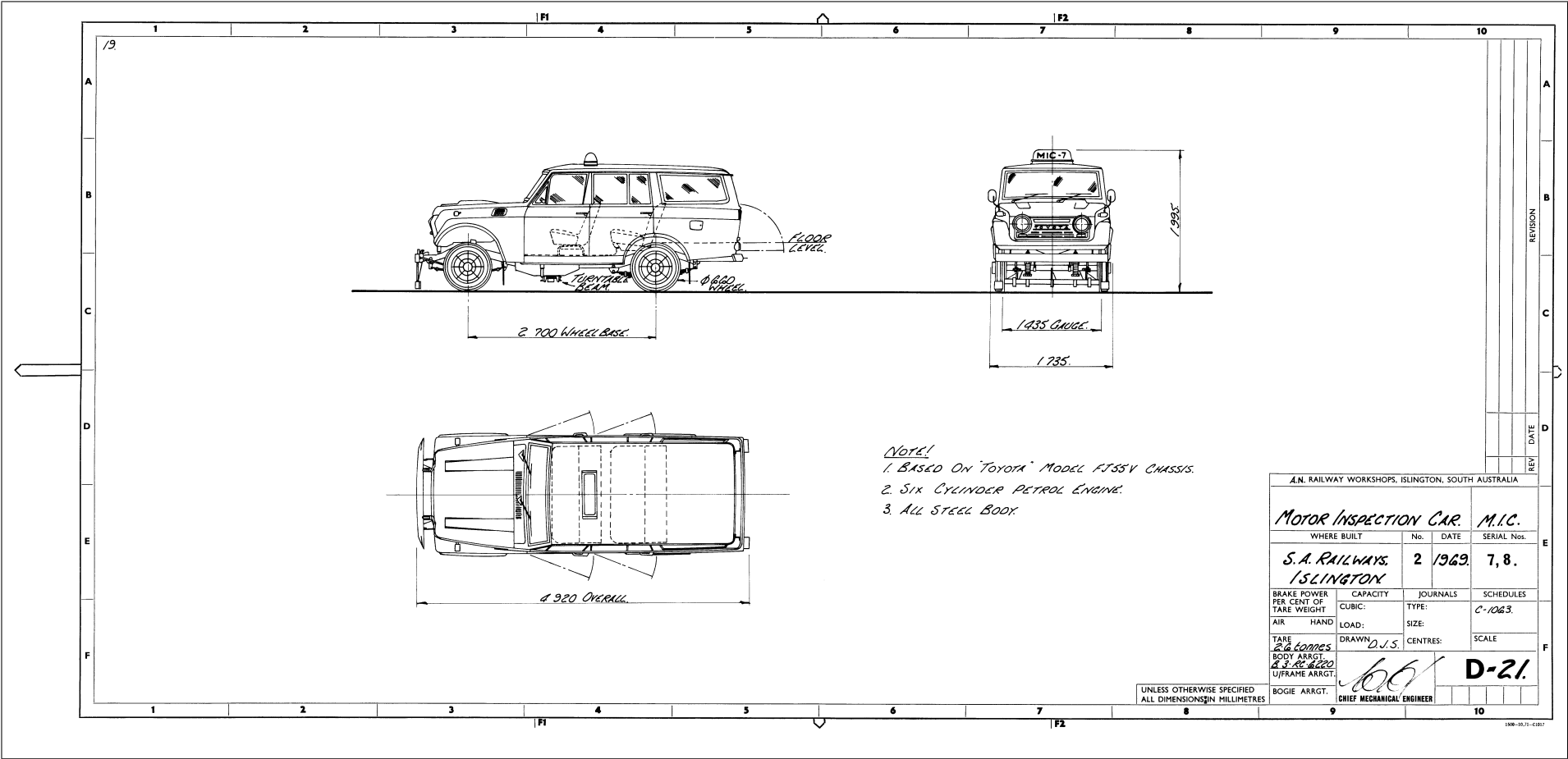


4.19 SFWM Wreckmaster Flat Wagon



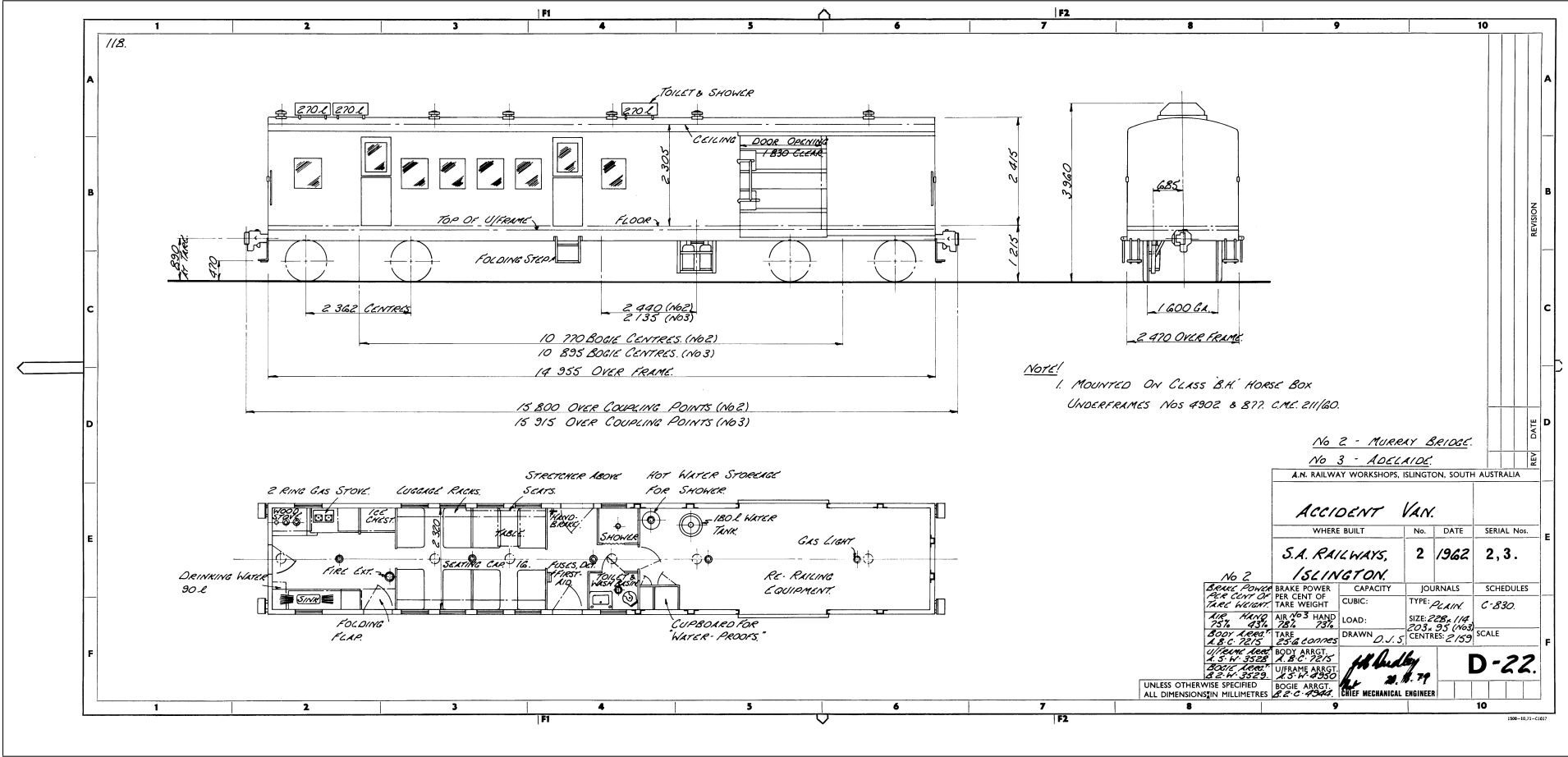
PlanId: d20

4.20 Motor Inspection Car MIC - Toyota Model FJ55V



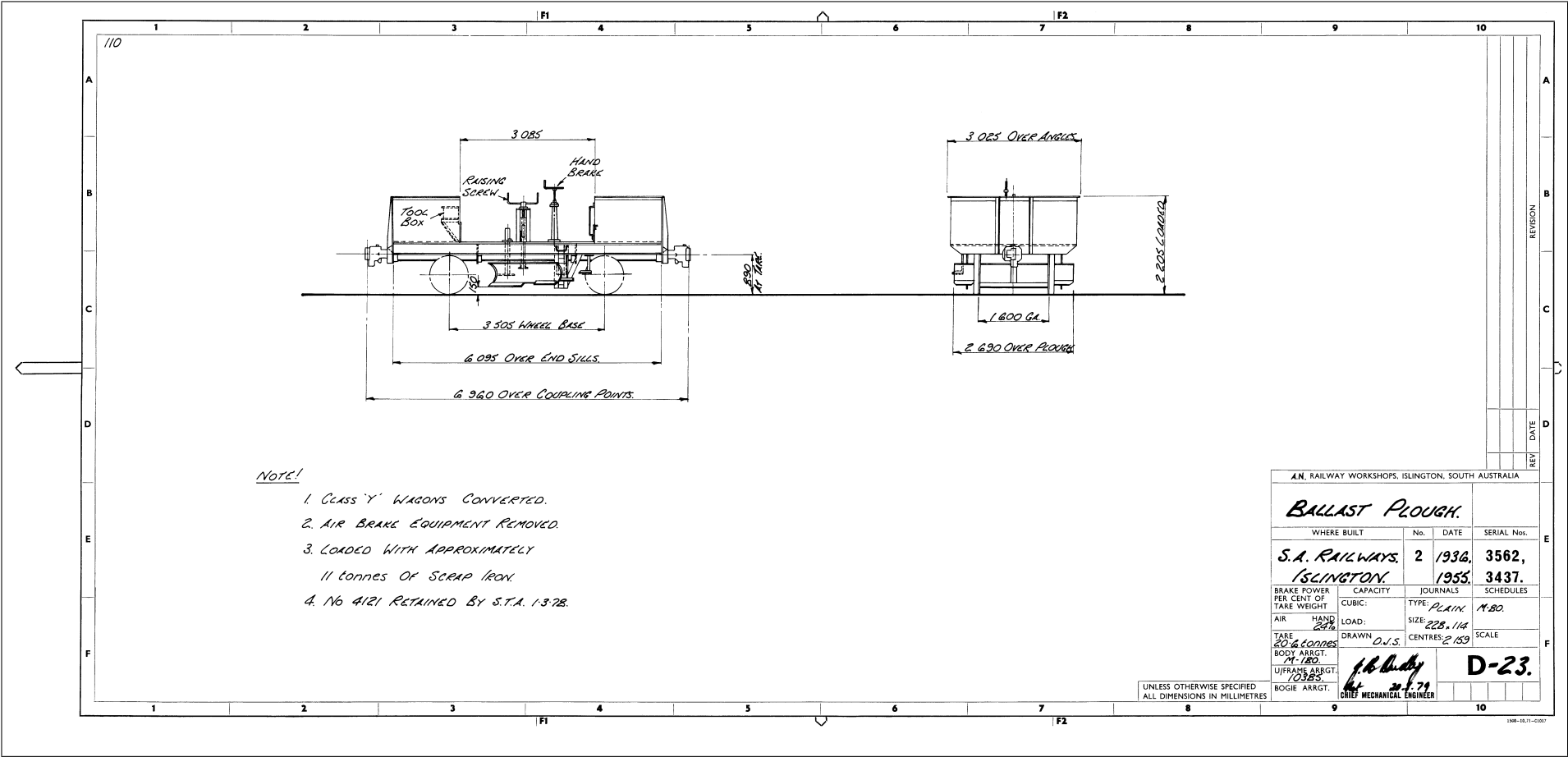
PlanId: d21

4.21 Accident Van



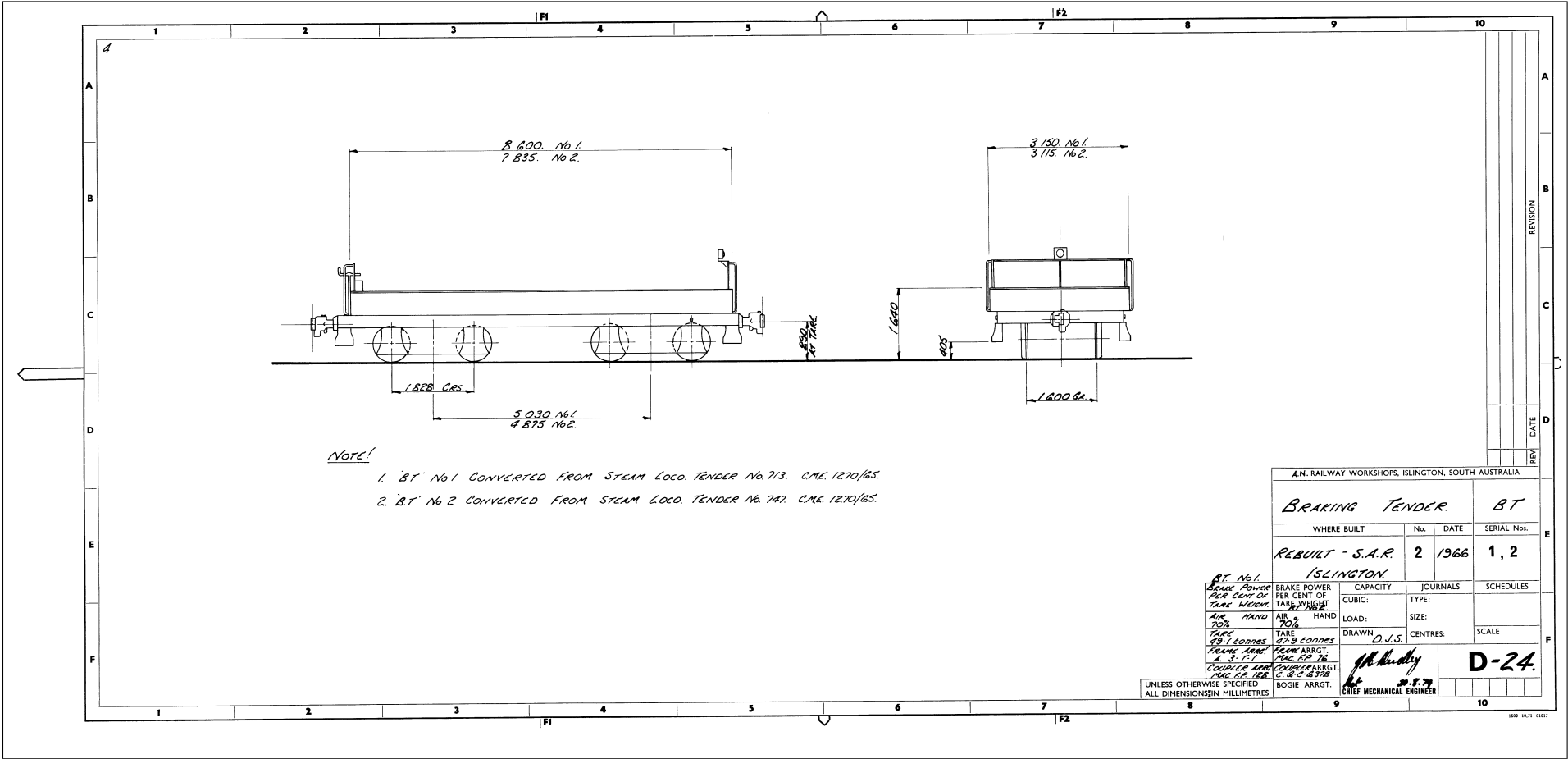
PlanId: d22

4.22 Ballast Plough 4 wheel



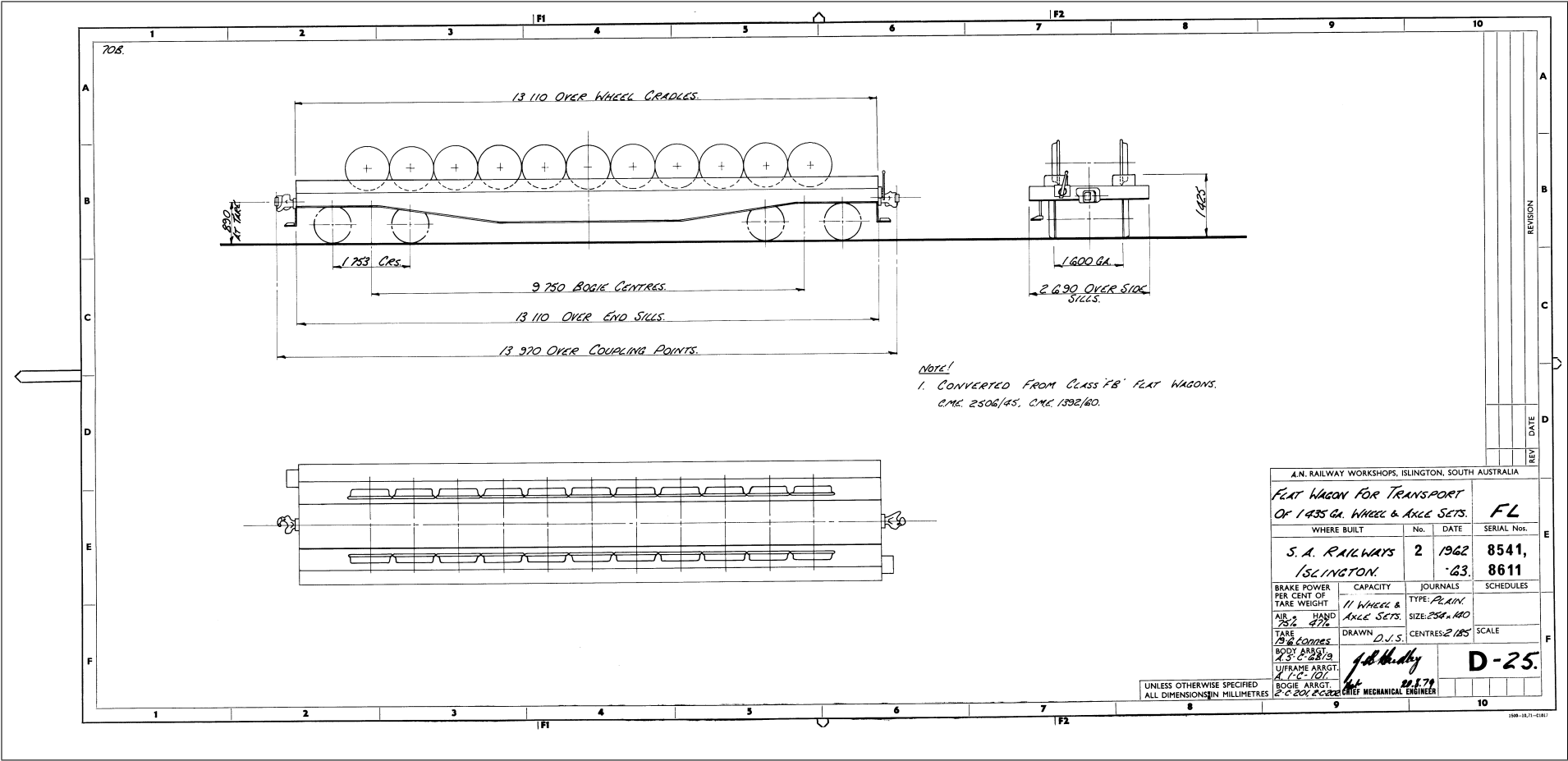
PlanId: d23

4.23 BT Braking Tender



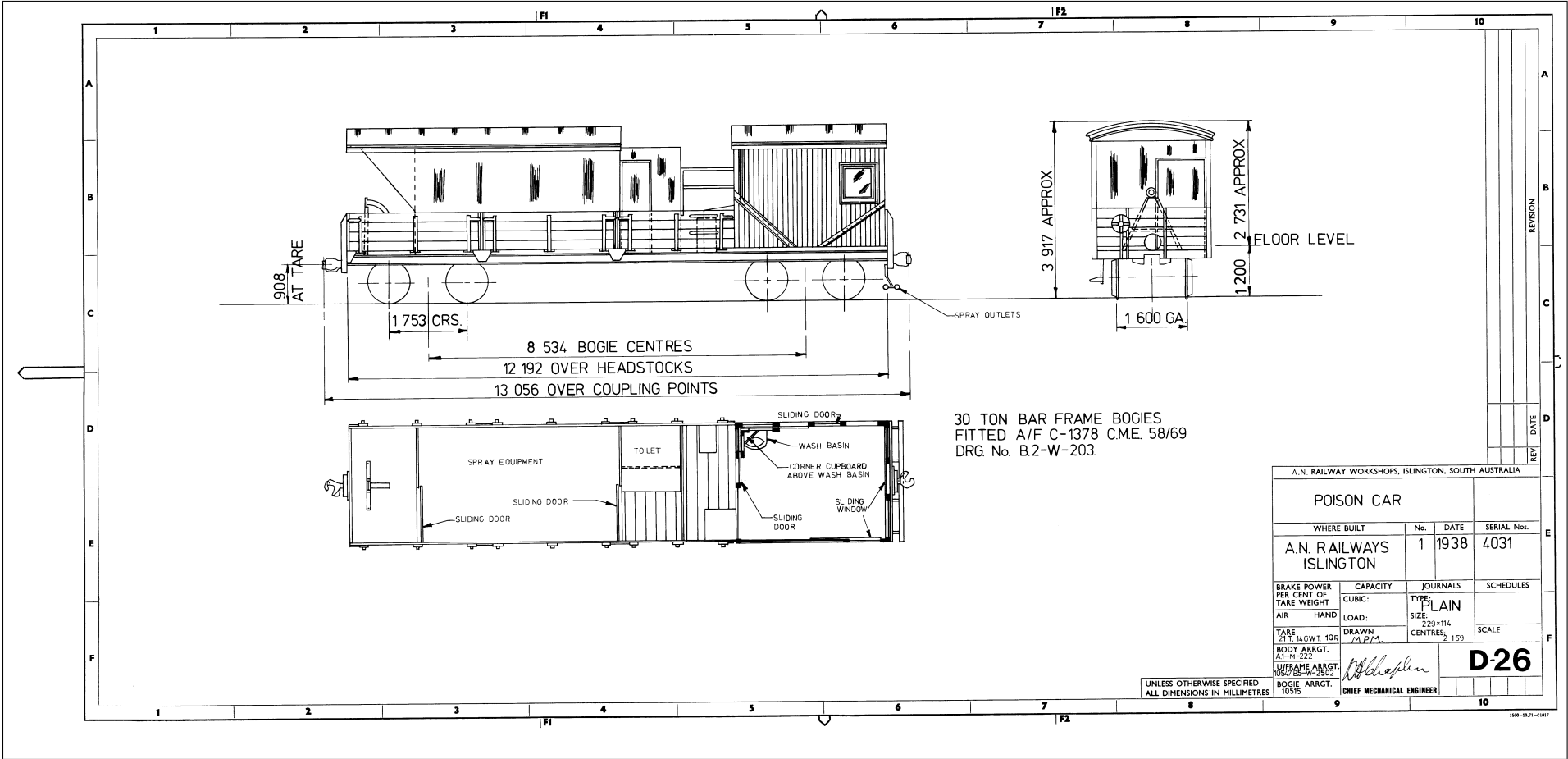
PlanId: d24

4.24 FL Flat Wagon for Transport of SG Wheel and Axle Sets



PlanId: d25

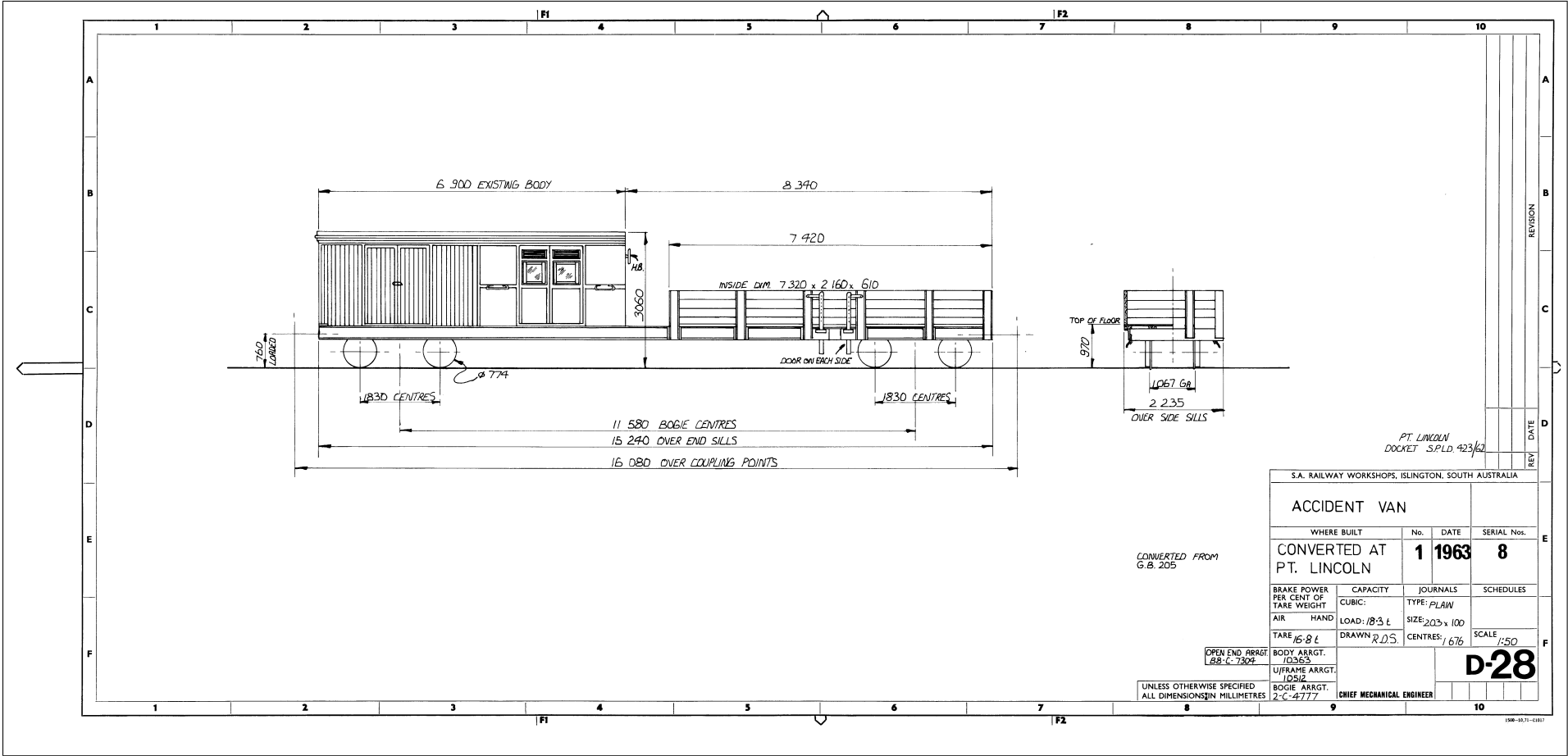
4.25 Poison Car



PlanId: d26

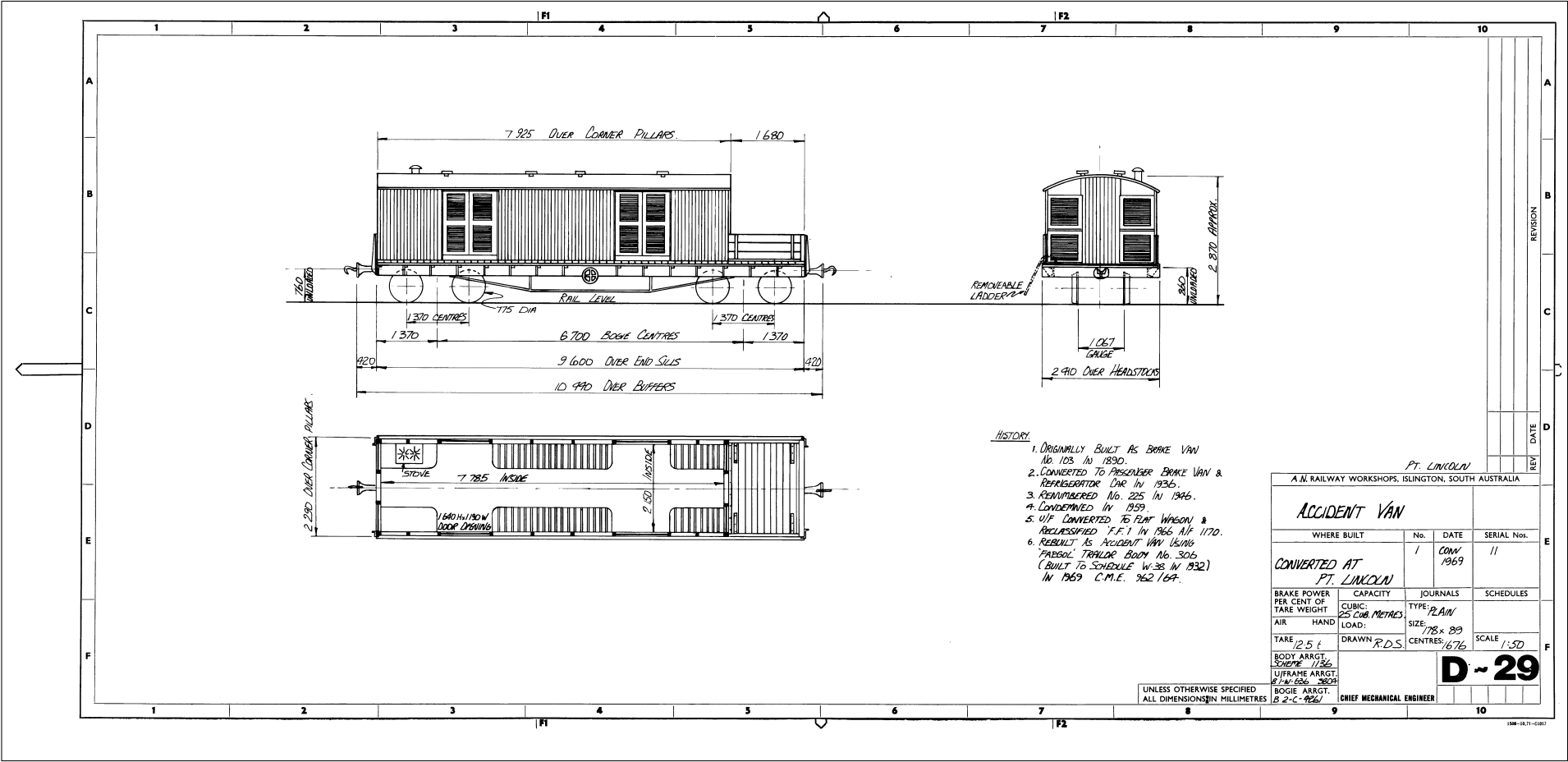


4.27 Accident Van NG



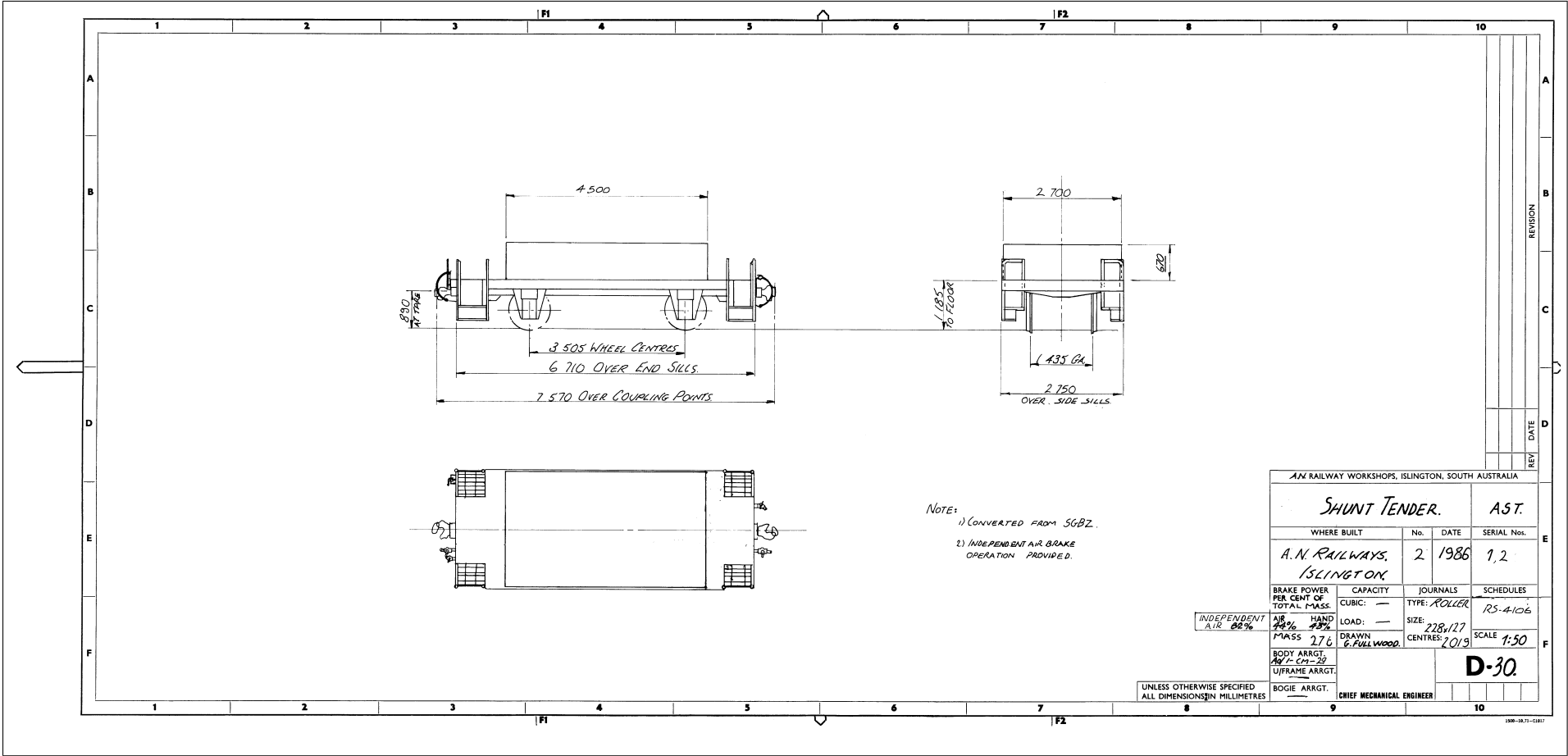
PlanId: d28

4.28 Accident Van NG



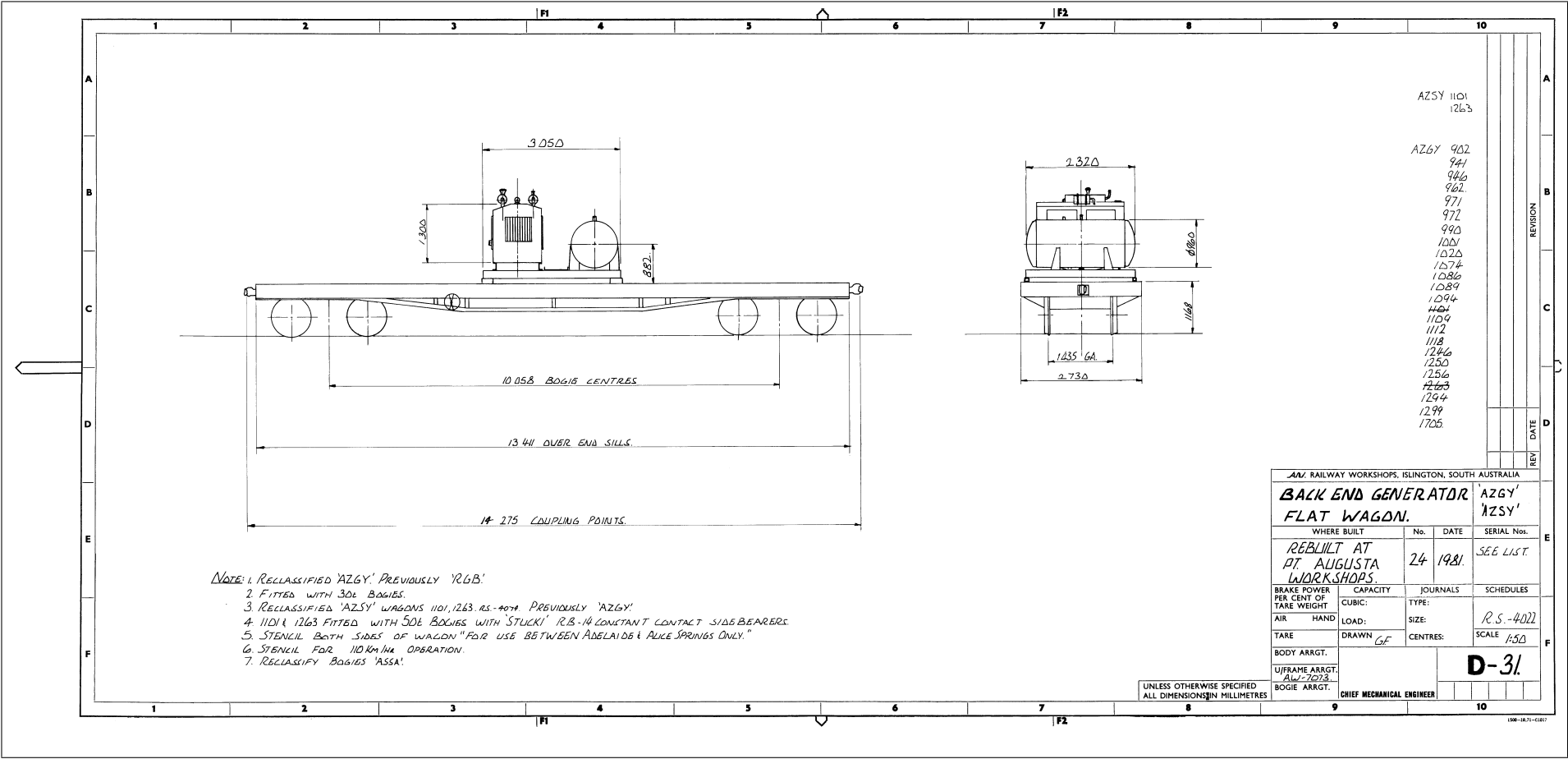
PlanId: d29

4.29 AST Shunt Tender SG



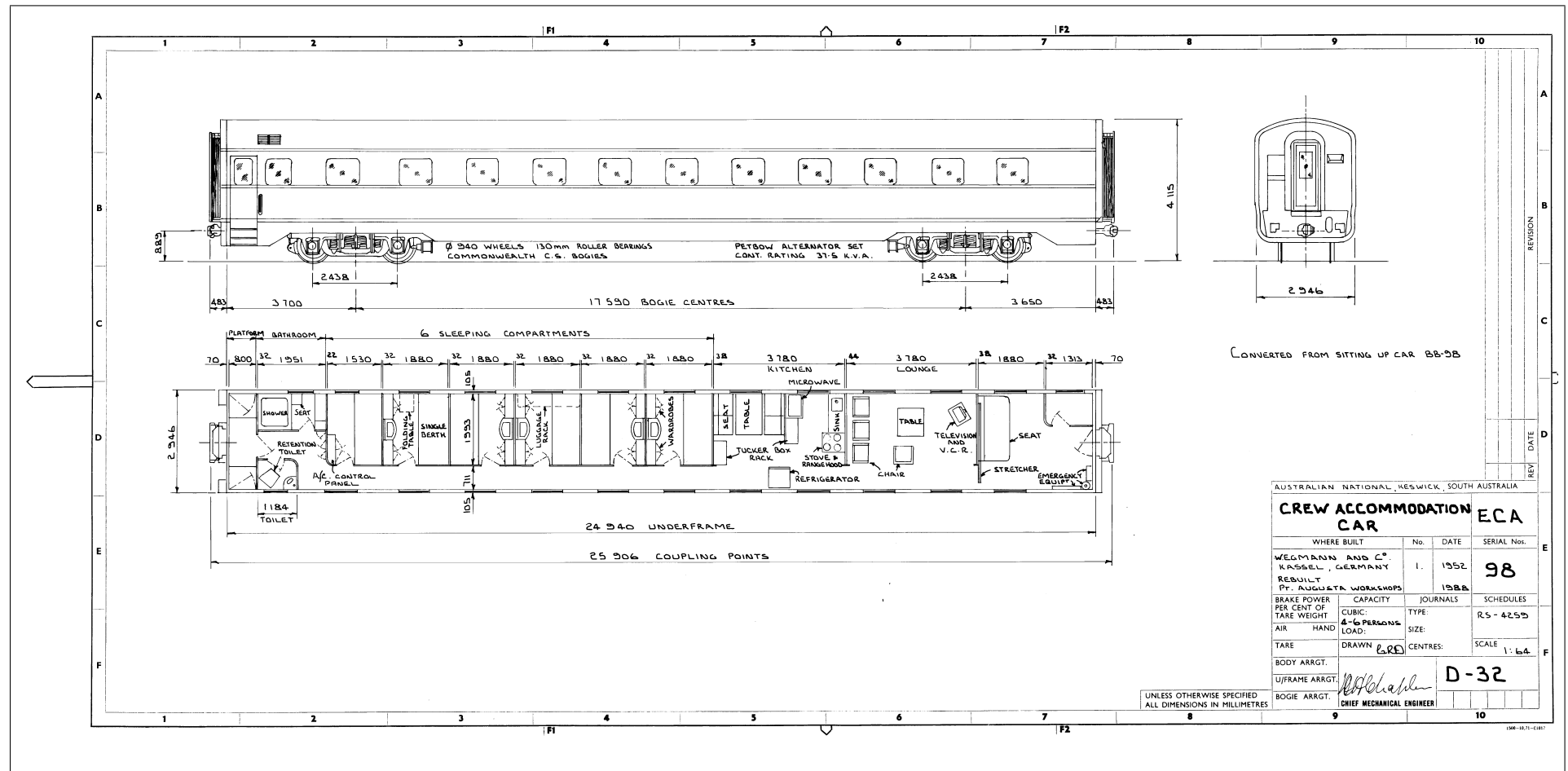
PlanId: d30

4.30 AZGY AZSY Back End Generator Flat Wagon



PlanId: d31

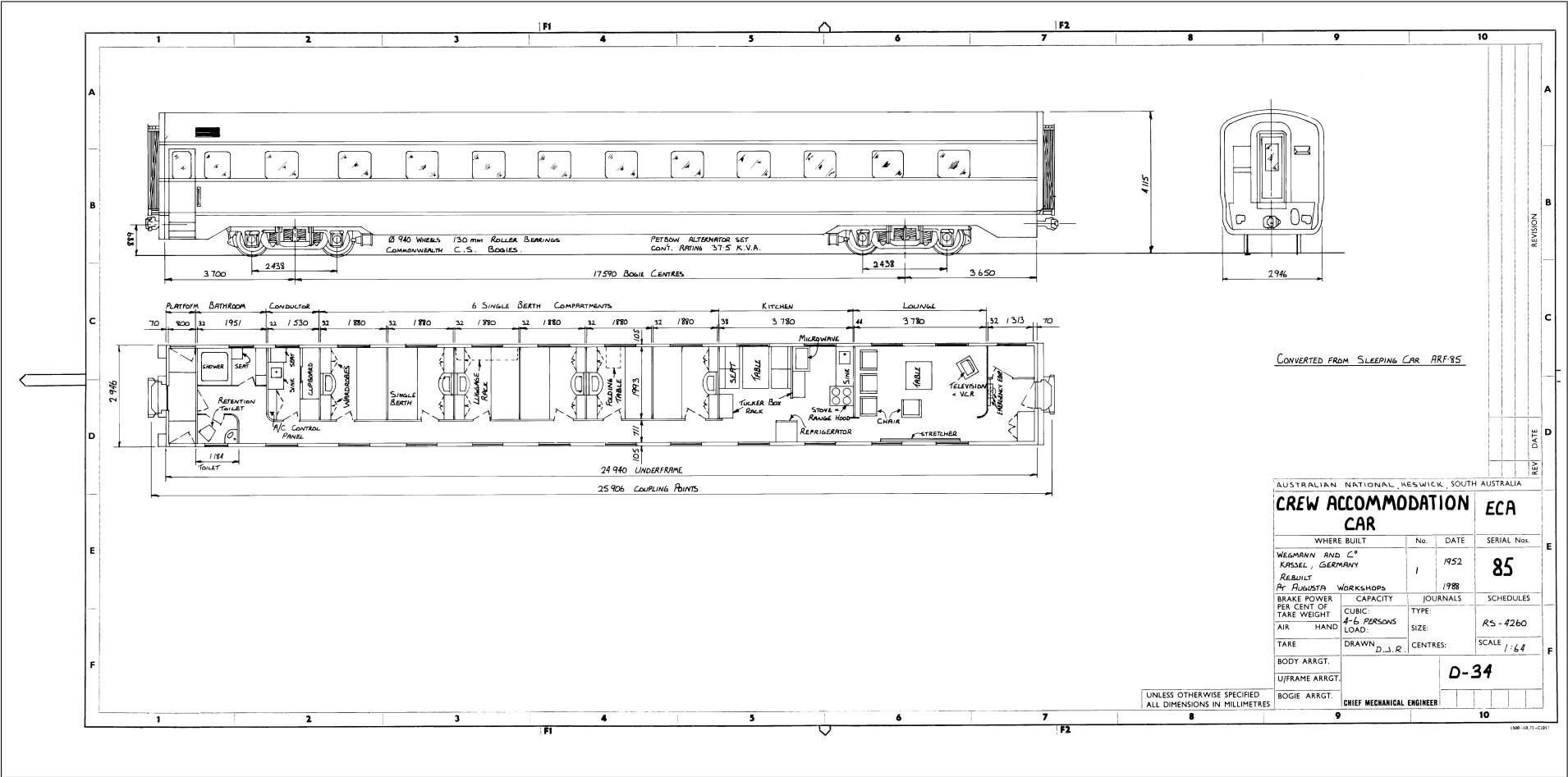
4.31 ECA Crew Accommodation Car - Converted from BB98 Passenger Car



PlanId: d32

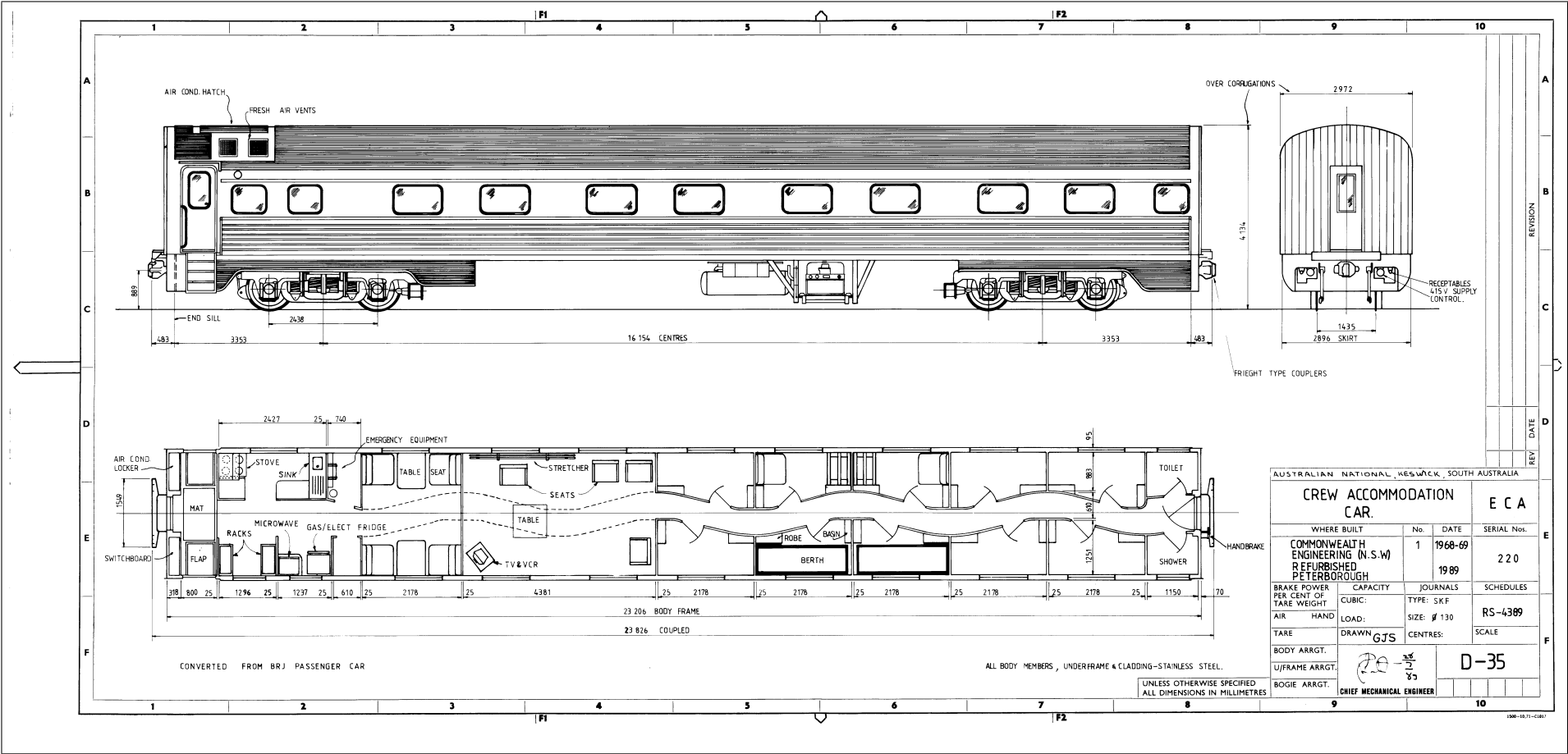


4.33 ECA Crew Accommodation Car - Converted from ARF85 Passenger Car



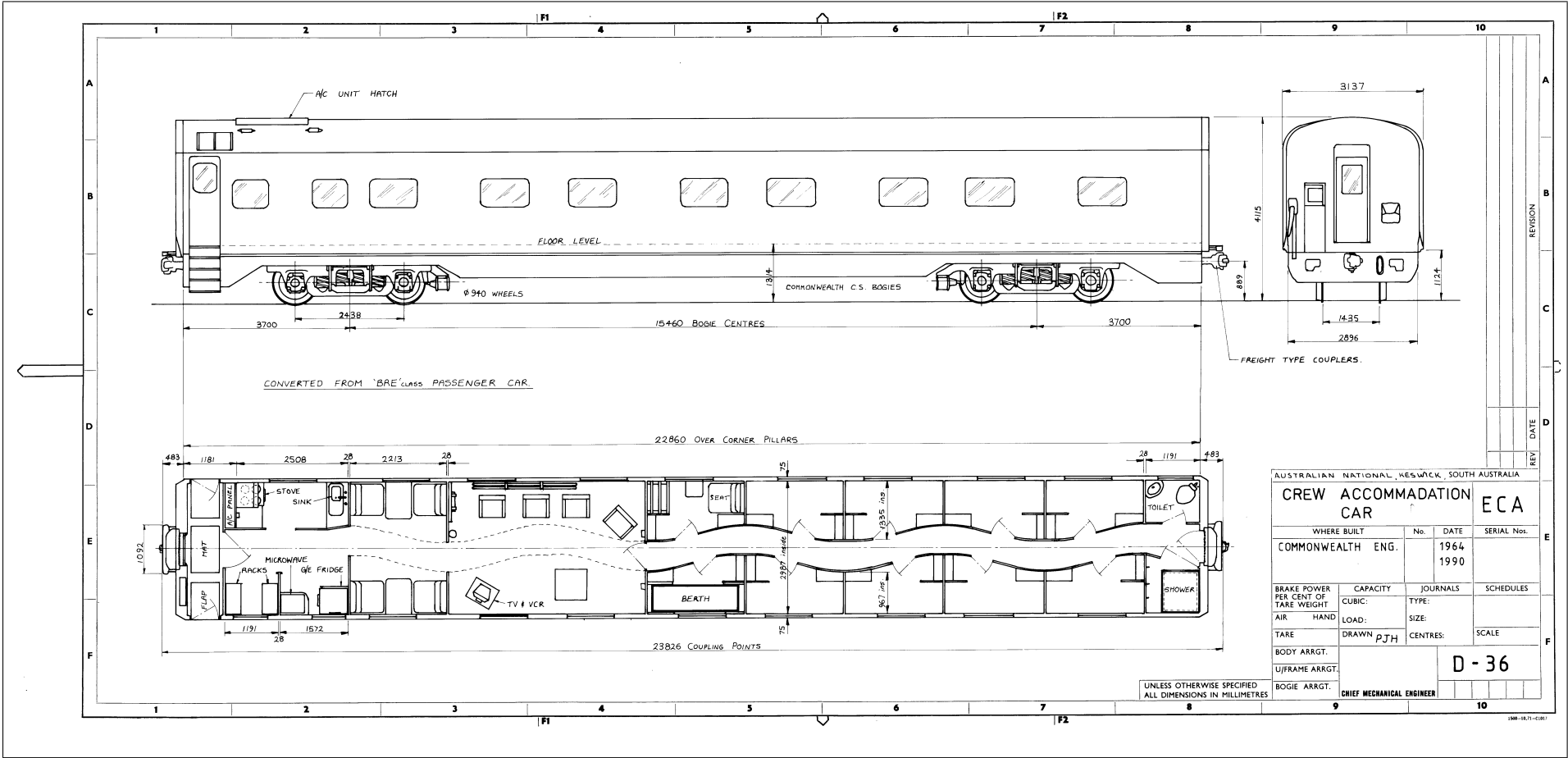
PlanId: d34

4.34 ECA Crew Accommodation Car - Converted from BRJ Passenger Car



PlanId: d35

4.35 ECA Crew Accommodation Car - Converted from BRE Passenger Car



PlanId: d36



NRM-DB02

CHAPTER

5

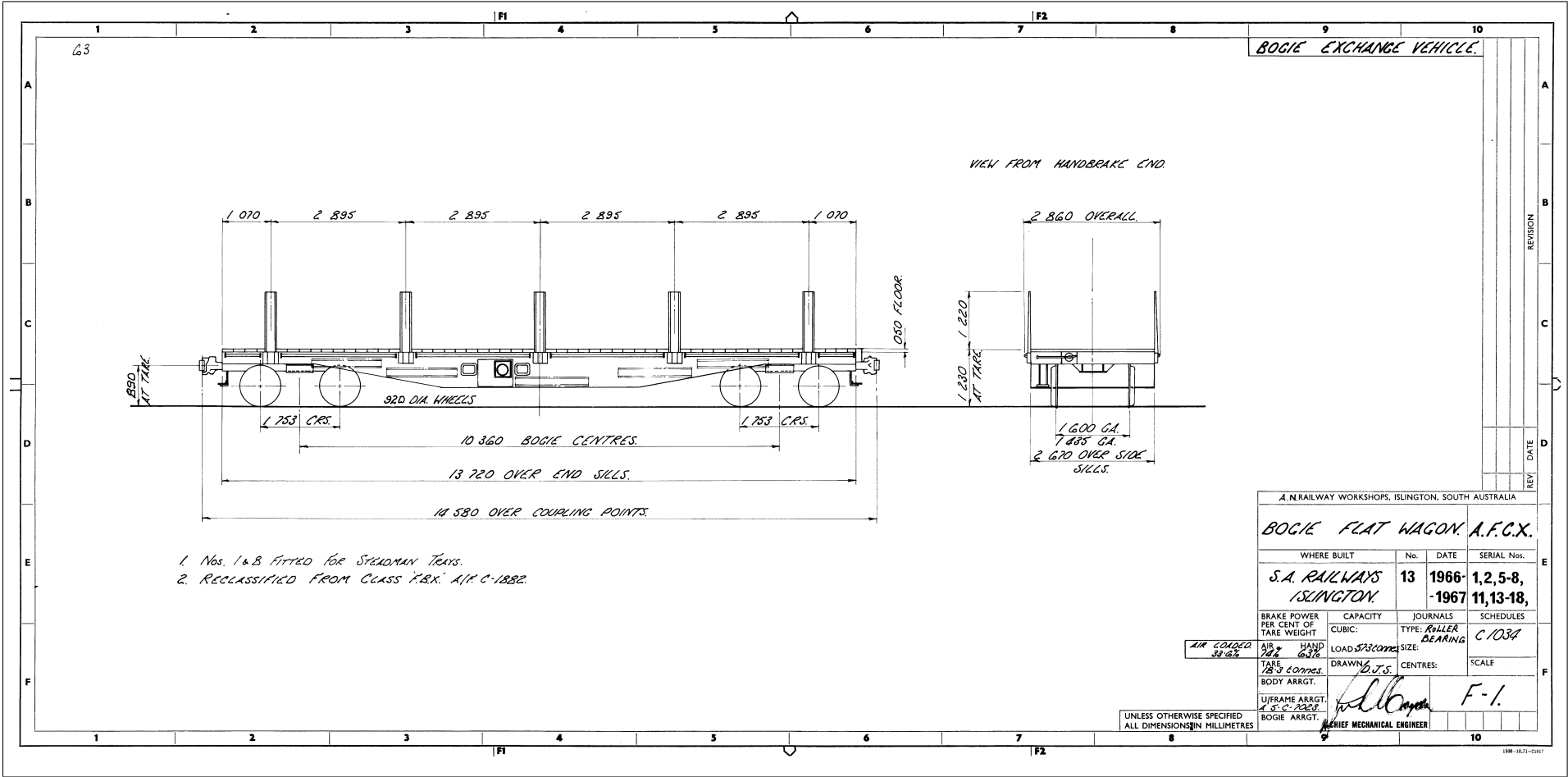
FLATS (F SERIES)

5.1	AFCX Bogie Flat Wagon	71
5.2	AFCX AFMX AFDX Loading Diagram Bogie Flat Wagon	72
5.3	AFDX Bogie Flat Wagon	73
5.4	AFMX Particle Board Bogie Flat Wagon	74
5.5	AQDW Container Flat Wagon	75
5.6	AFKX Container Flat Wagon	76
5.7	AFKX Loading Diagram Container Flat Wagon	77
5.8	AQCX AQCF Container Flat Wagon	78
5.9	AQCX Loading Diagram Container Flat Wagon	79
5.10	AQBY FC Bogie Flat Wagon BG	80
5.11	AQAX Cement Container Wagon	81
5.12	AFBA AFBF AFFA AFTF Bogie Flat Wagon	82
5.13	AFBA AFBY AFTA Loading Diagram Bogie Flat Wagon	83
5.14	AFFA Loading Diagram Bogie Flat Wagon	84
5.15	AFHA Bogie Flat Wagon	85
5.16	AQEX Flat Wagon for 3 Refrigerated Containers	86
5.17	AWWX Well Wagon	87

5. FLATS (P SERIES)

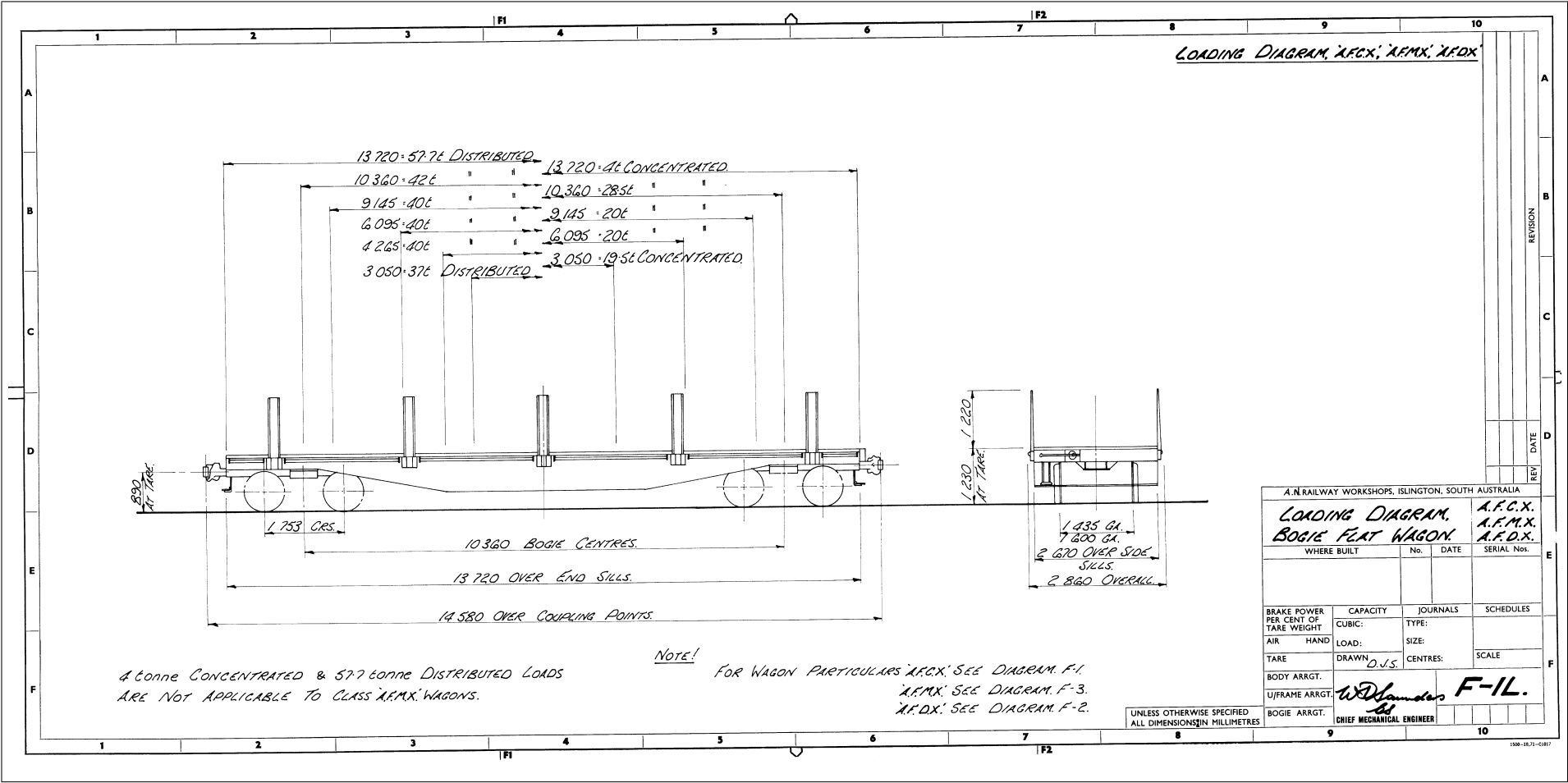
5.18	SFC SFLC Bogie Flat Wagon	88
5.19	SFC SFLC Loading Diagram Bogie Flat Wagon	89
5.20	WL Well Wagon	90
5.21	AFSY Semi-Trailer Flat Wagon	91
5.22	AFIY Semi-Trailer Flat Wagon	92
5.23	AKEX Steel Coil Wagon	93
5.24	AZQF Heavy Flat Wagon	94
5.25	AZQF Loading Diagram Heavy Flat	95
5.26	AQJY 5-Pack Container Wagon	96
5.27	AQEY 2-Pack Container Wagon	97
5.28	AQKY 2-Pack Container Wagon	98
5.29	AKMX Steel Wagon	99
5.30	AKMX Steel Wagon	100
5.31	AQJY 5-Pack Container Wagon	101
5.32	AQLY 5-Pack Container Wagon	102
5.33	AQWY 5-Pack Bogie Well Wagon	103
5.34	AKLF 2-Pack Flat Wagon	104
5.35	AKDX 2-Pack Flat Wagon	105
5.36	AKAX 2-Pack Flat Wagon	106
5.37	AKSY 3-Pack Flat Wagon	107
5.38	AKSY 3-Pack Flat Wagon	108
5.39	AKSY 3-Pack Flat Wagon	109
5.40	AKSY 3-Pack Flat Wagon	110
5.41	AKYY 5-Pack Well Wagon	111
5.42	RKTY Well Wagon	112
5.43	RKYY Well Wagon	113
5.44	RQEY 5-Pack Flat Wagon	114

5.1 AFCX Bogie Flat Wagon



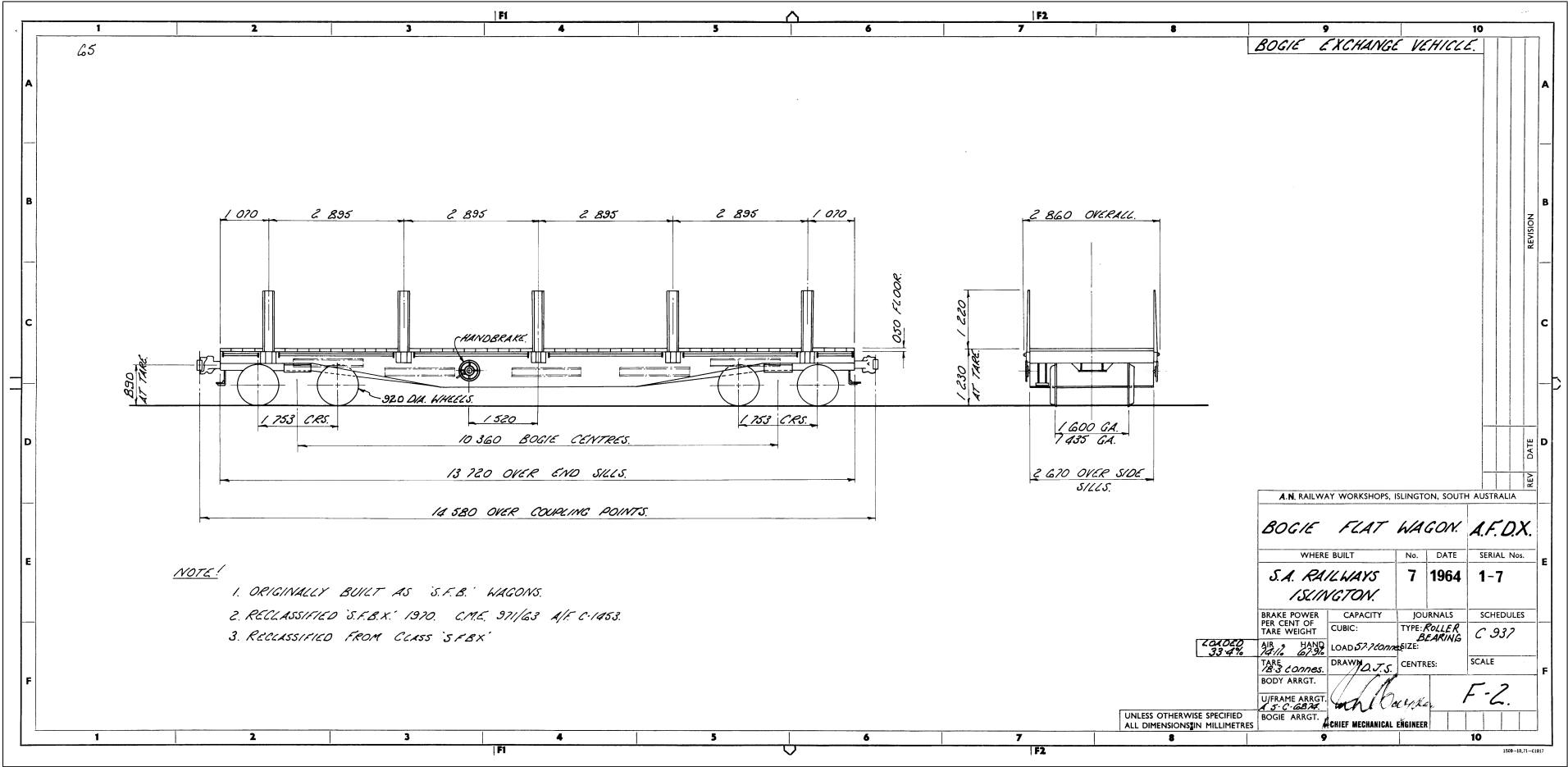
PlanId: f01

5.2 AFCX AFMX AFDX Loading Diagram Bogie Flat Wagon



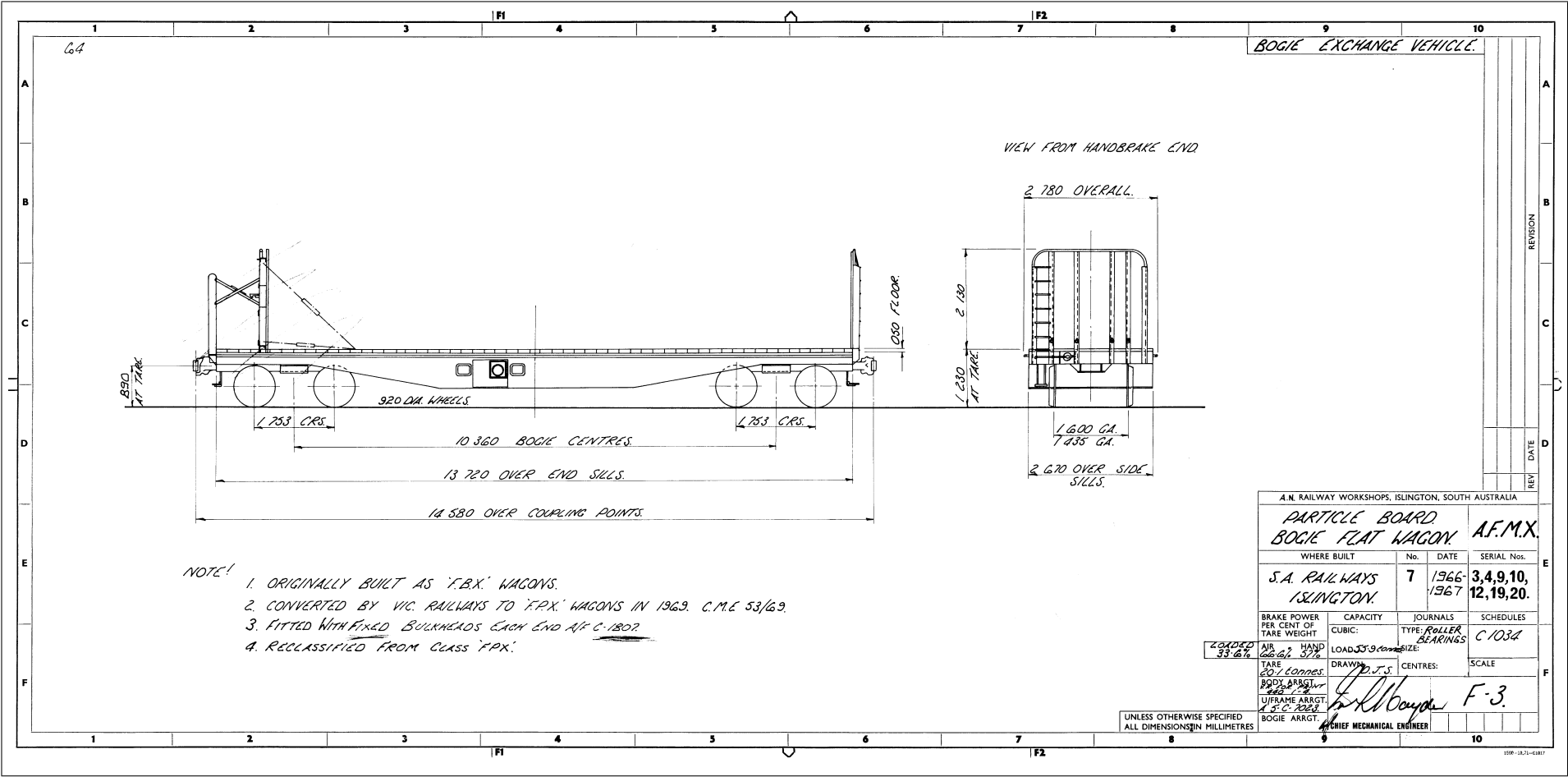
PlanId: f011

5.3 AFDX Bogie Flat Wagon



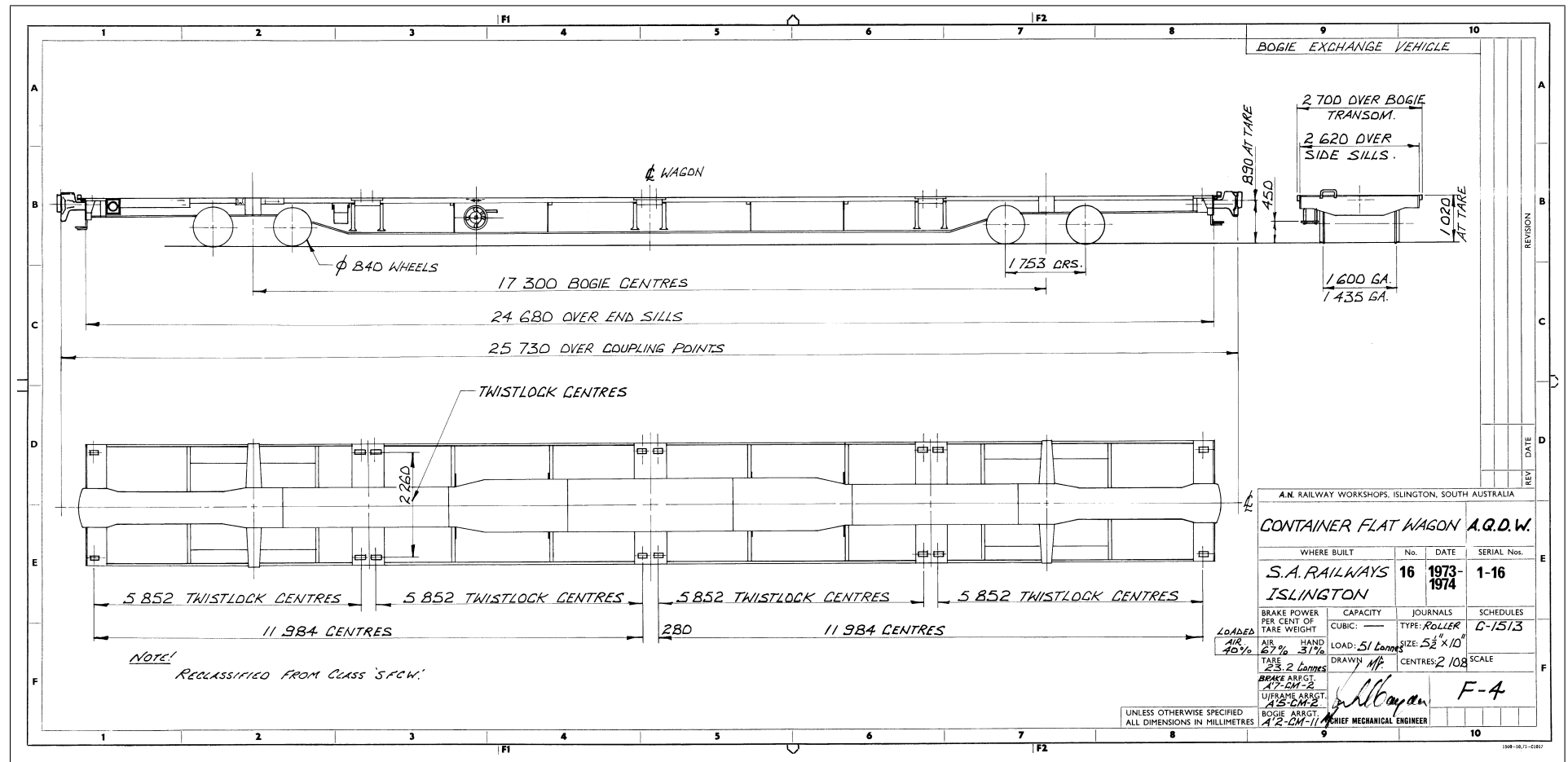
PlanId: f02

5.4 AFMX Particle Board Bogie Flat Wagon



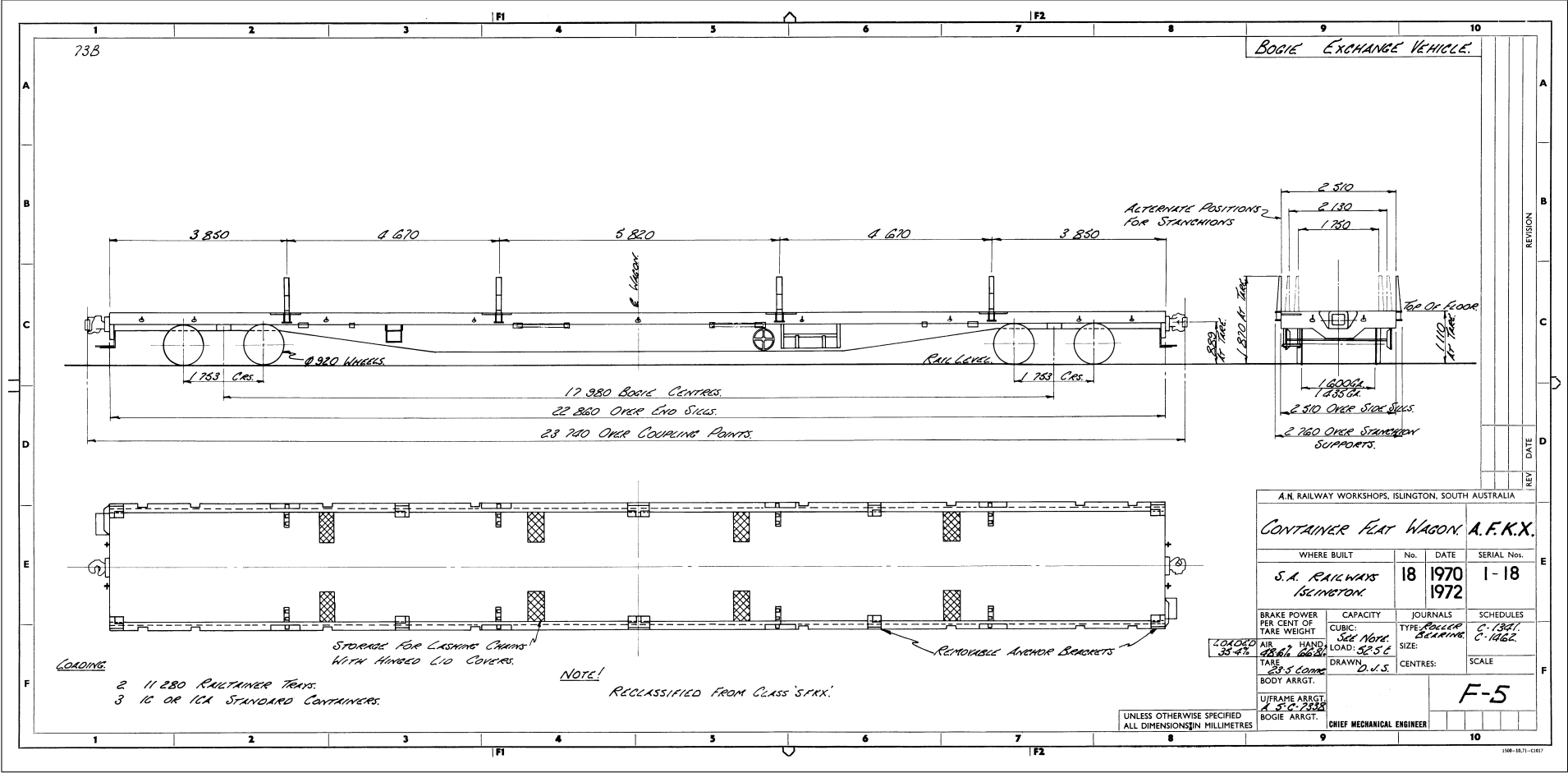
PlanId: f03

5.5 AQDW Container Flat Wagon



PlanId: f04

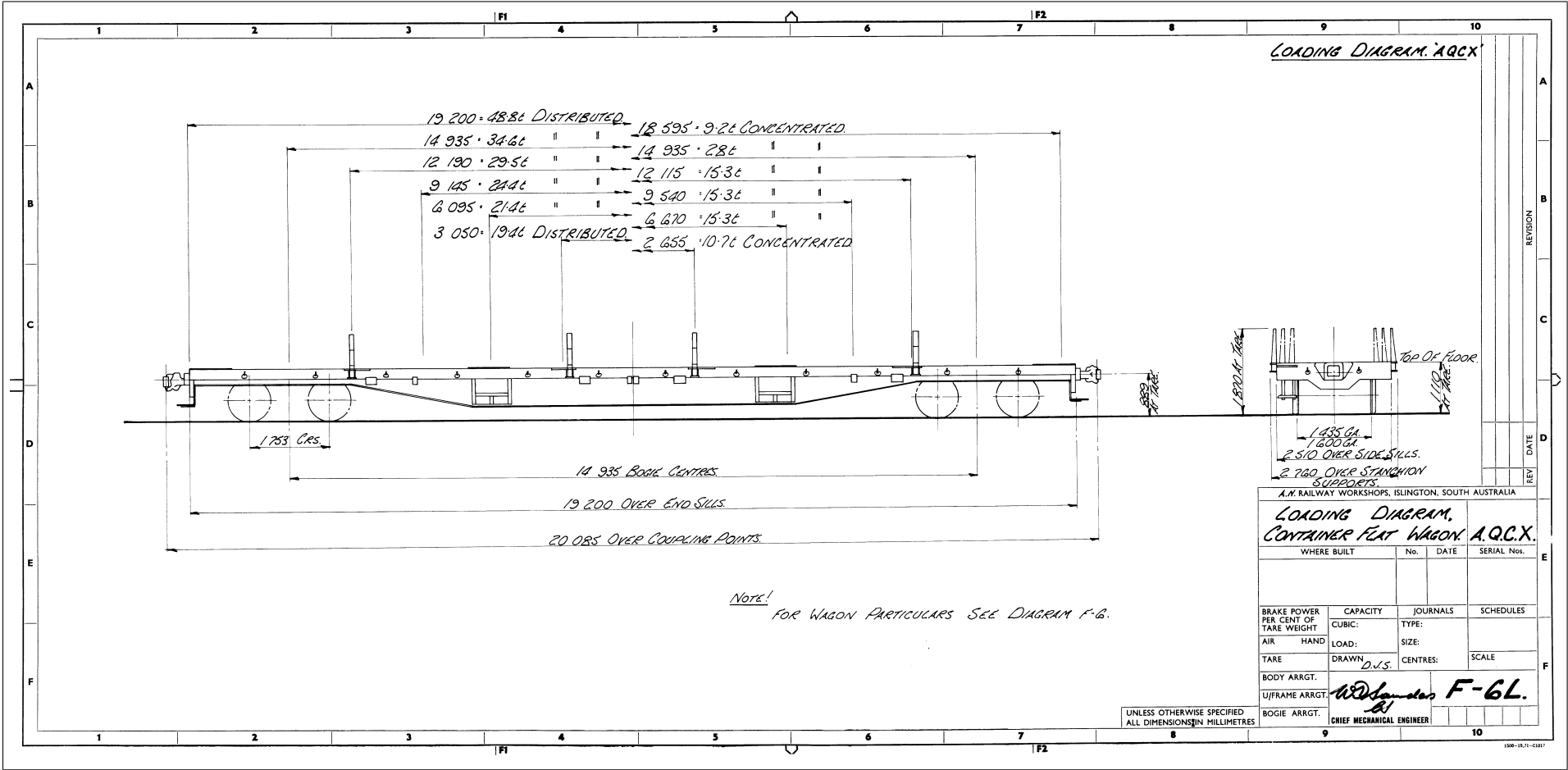
5.6 AFKX Container Flat Wagon



PlanId: f05

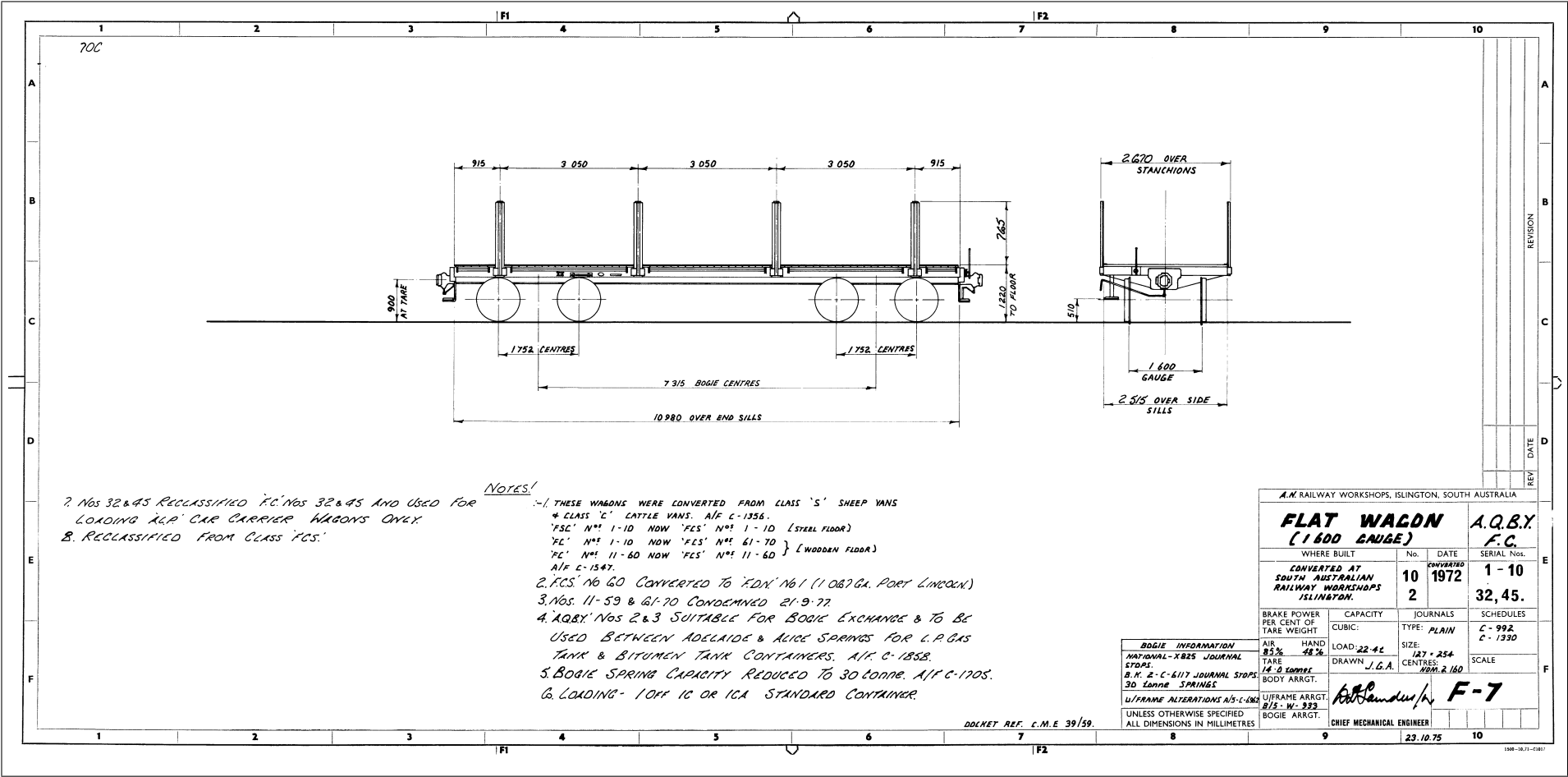


5.9 AQCX Loading Diagram Container Flat Wagon



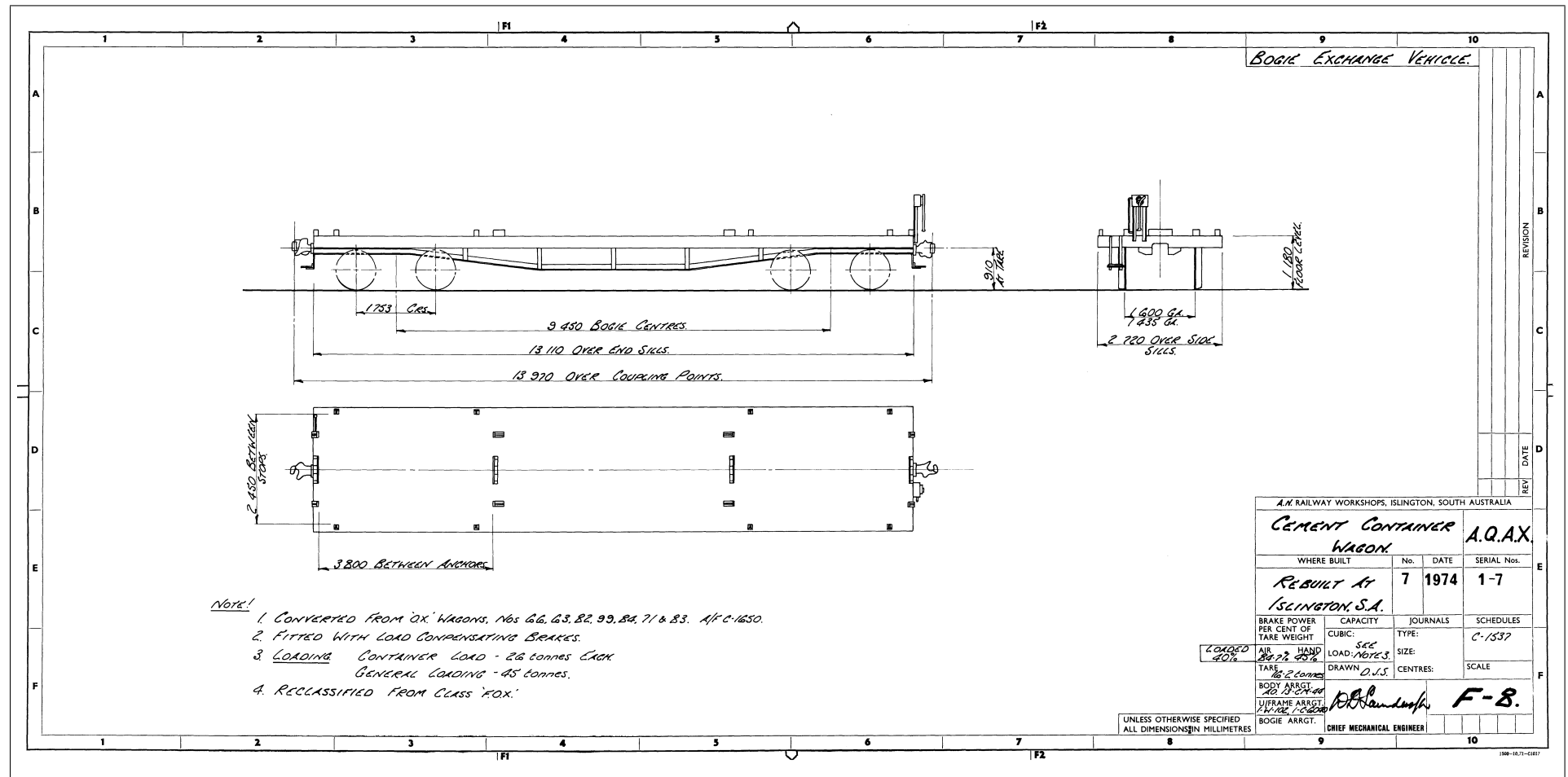
PlanId: f06l

5.10 AQBY FC Bogie Flat Wagon BG



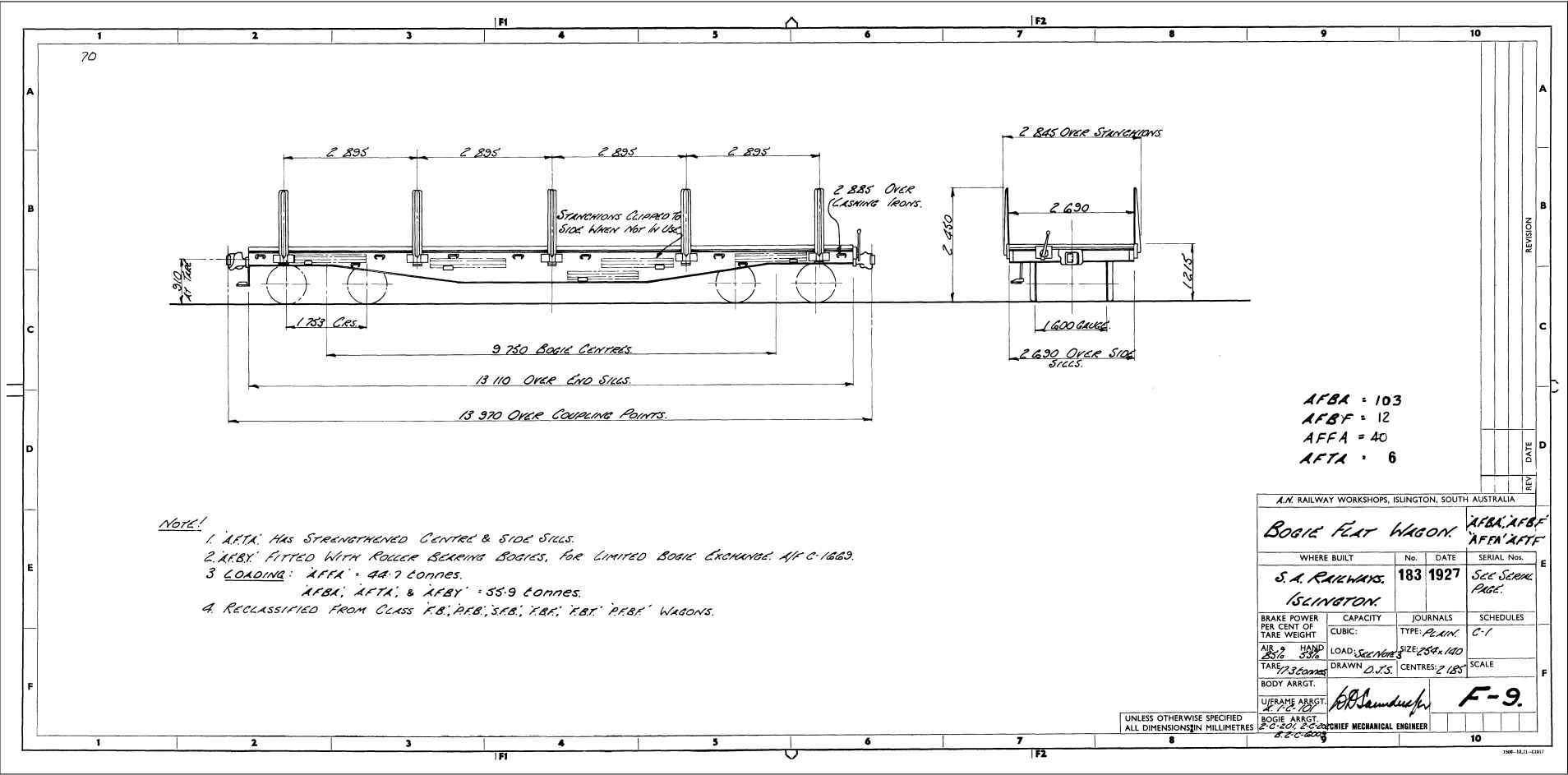
PlanId: f07

5.11 AQAX Cement Container Wagon



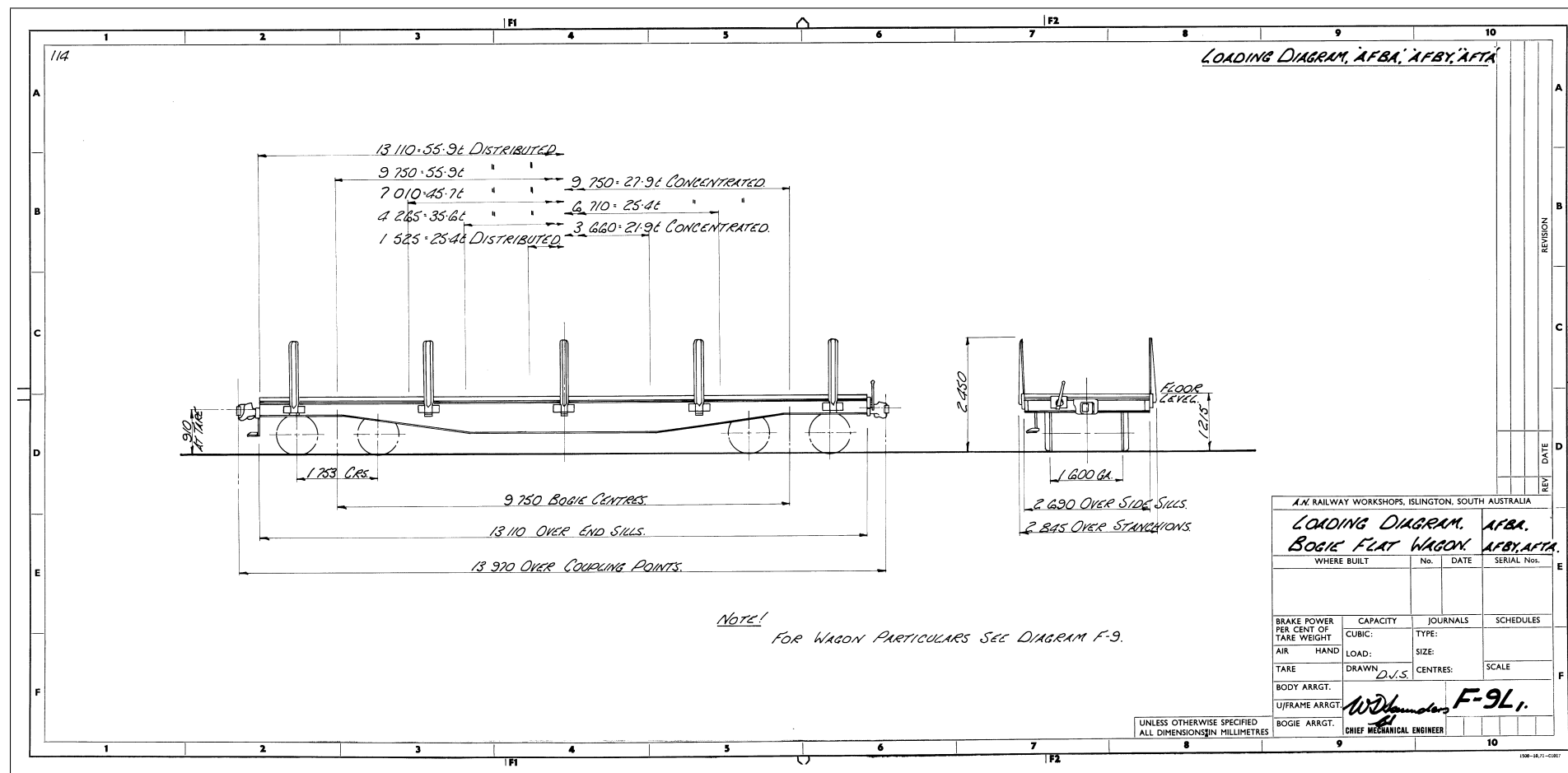
PlanId: f08

5.12 AFBA AFBF AFFA AFTF Bogie Flat Wagon



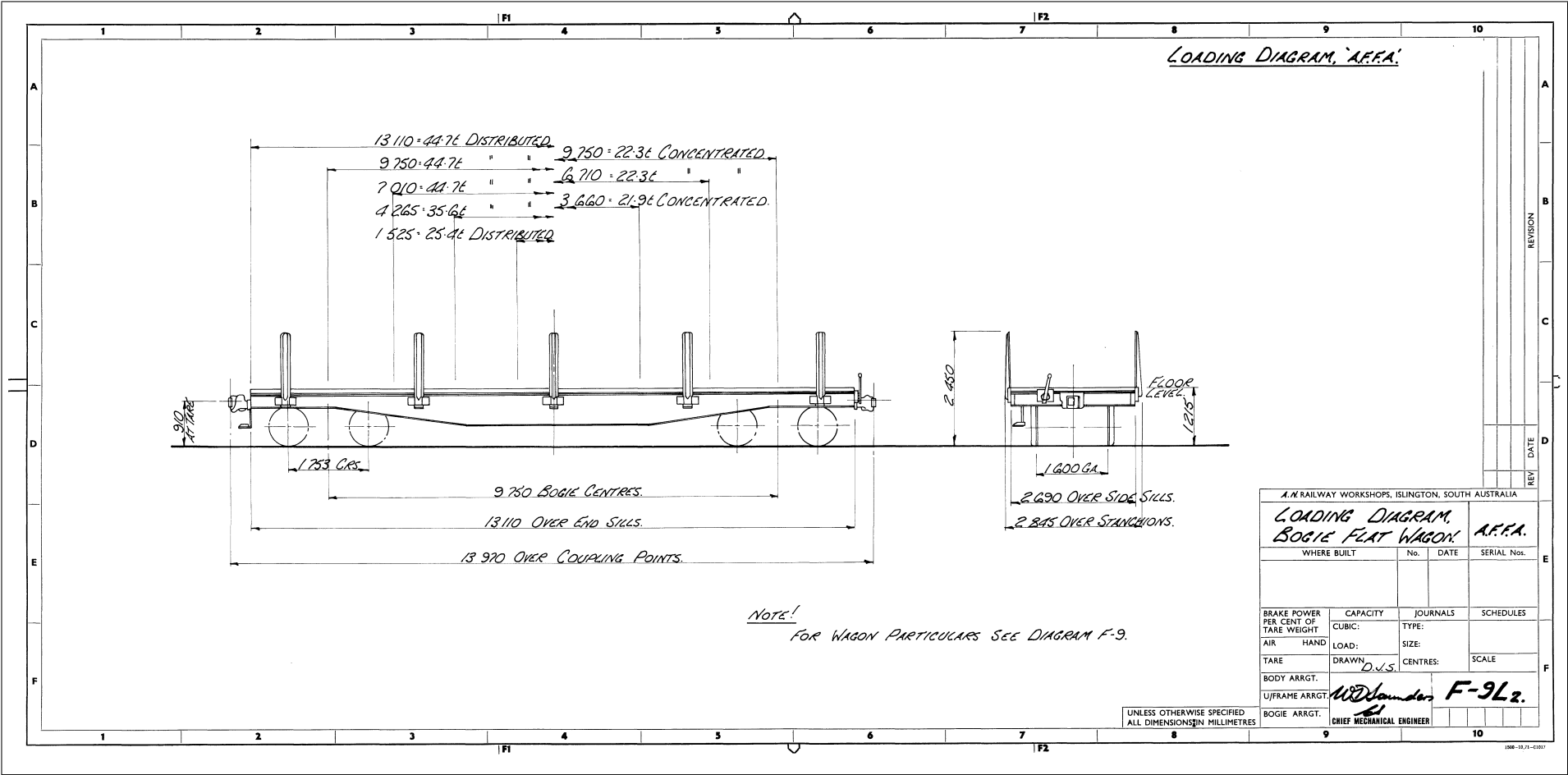
PlanId: f09

5.13 AFBA AFBY AFTA Loading Diagram Bogie Flat Wagon



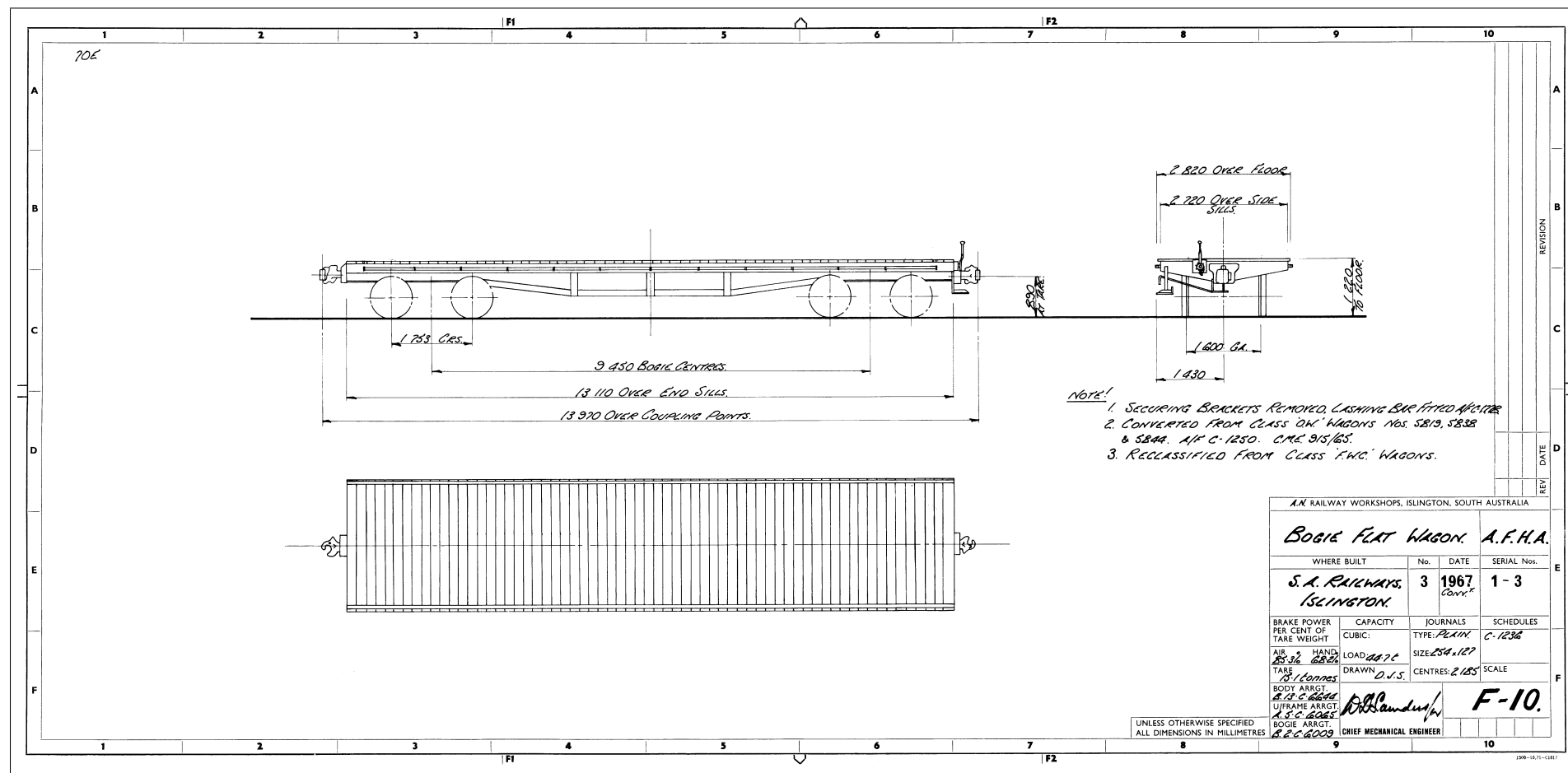
PlanId: f09l

5.14 AFFA Loading Diagram Bogie Flat Wagon



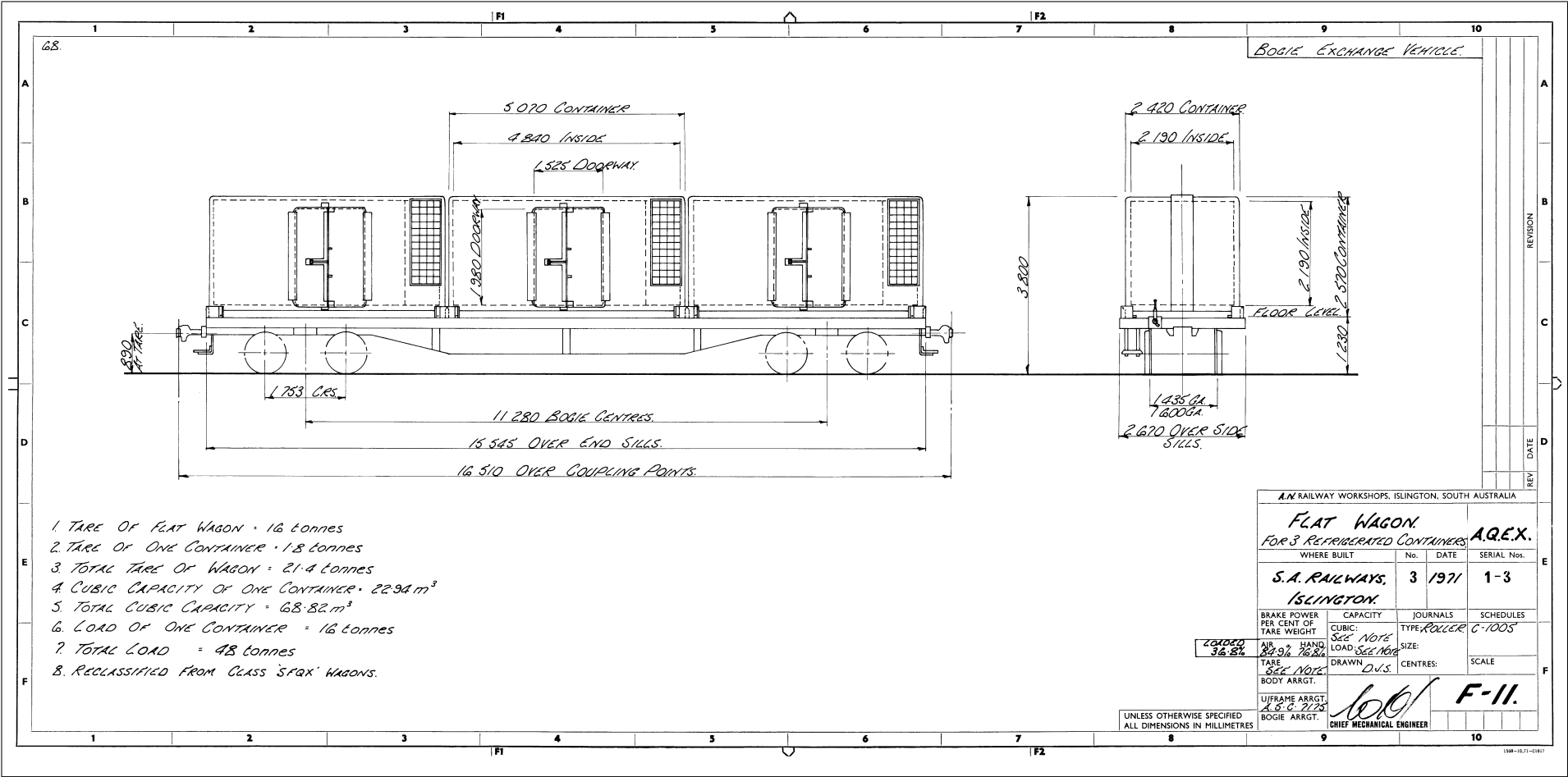
PlanId: f0912

5.15 AFHA Bogie Flat Wagon



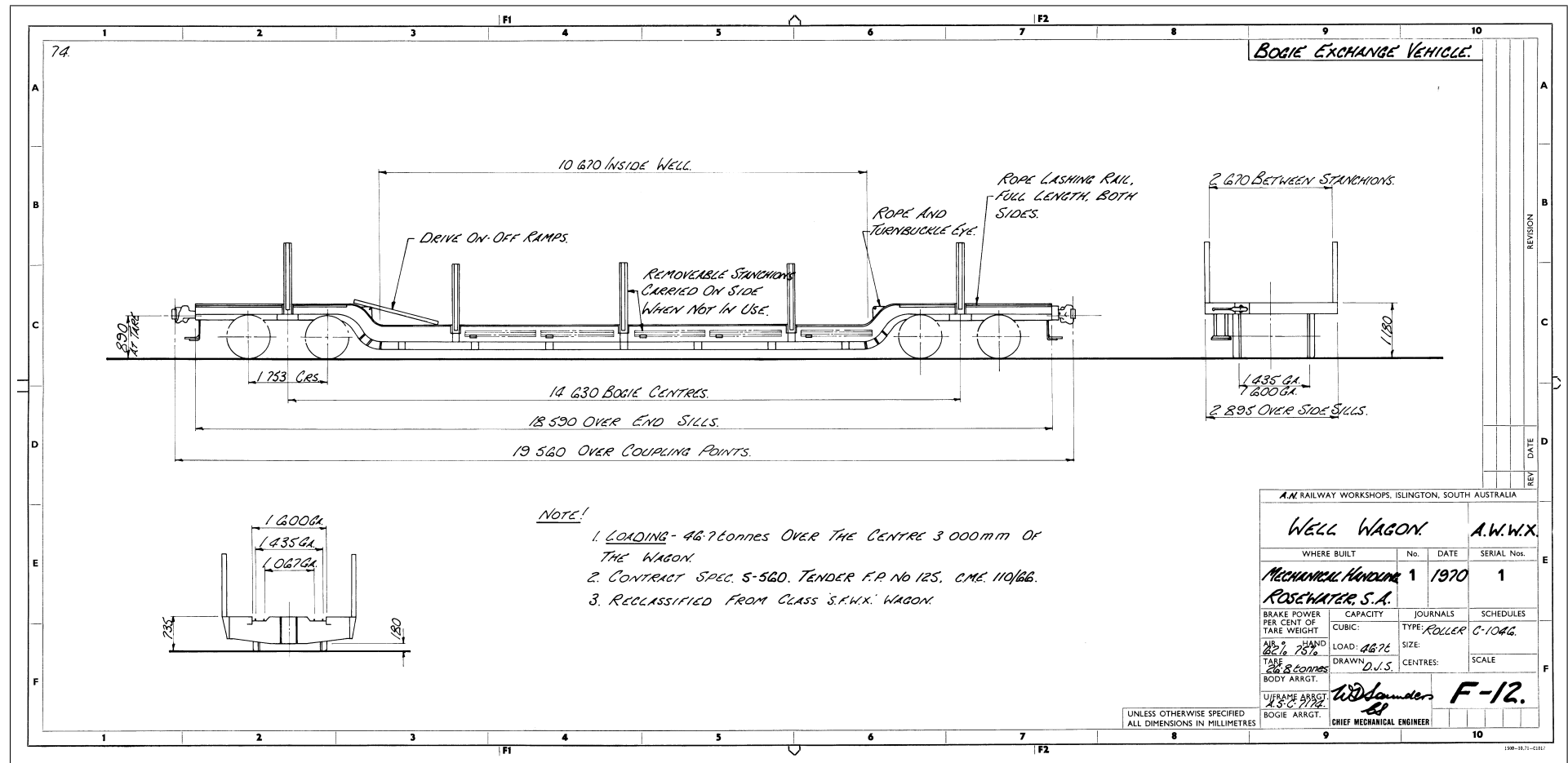
PlanId: f10

5.16 AQEX Flat Wagon for 3 Refrigerated Containers



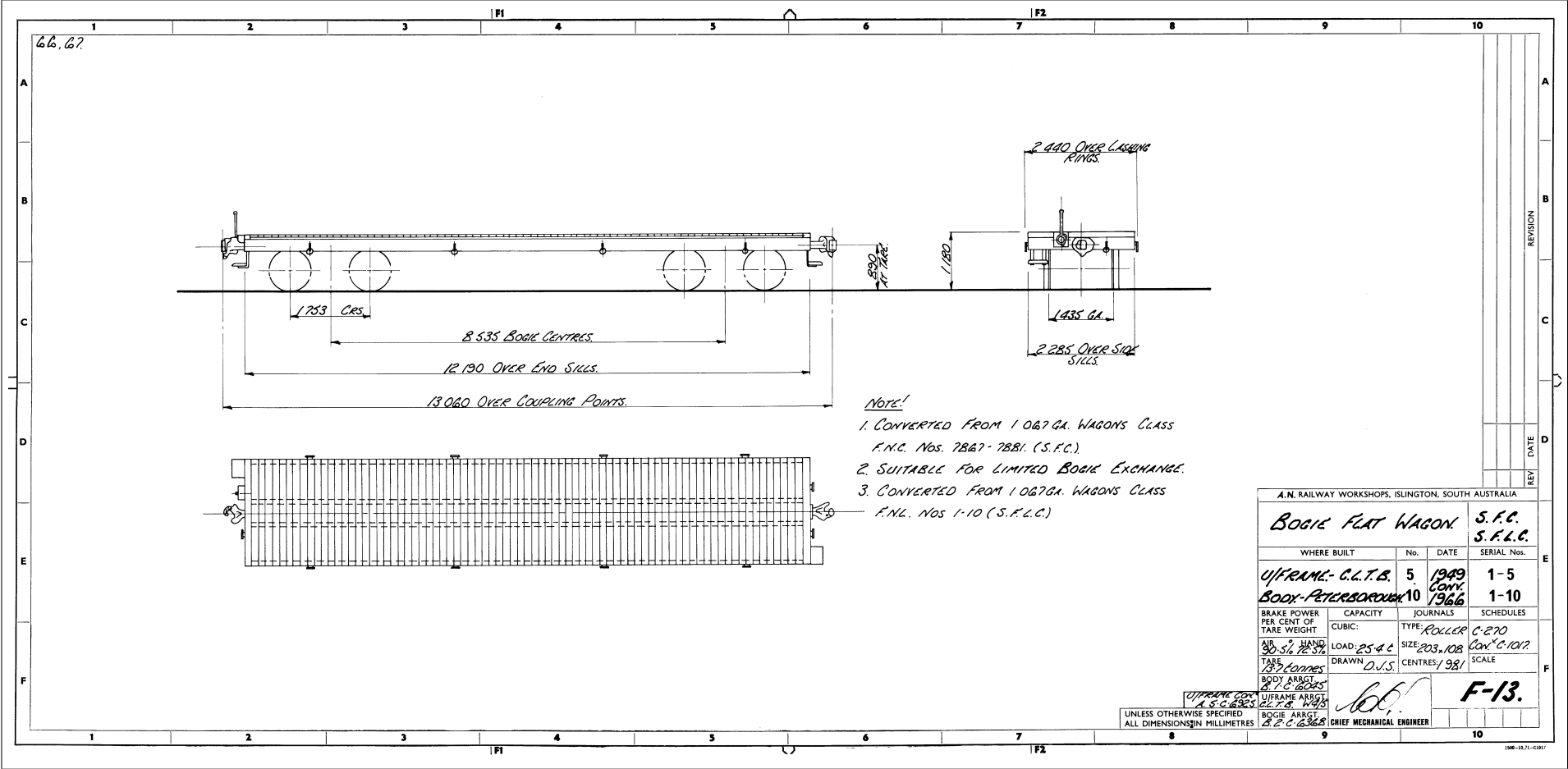
PlanId: f11

5.17 AWWX Well Wagon



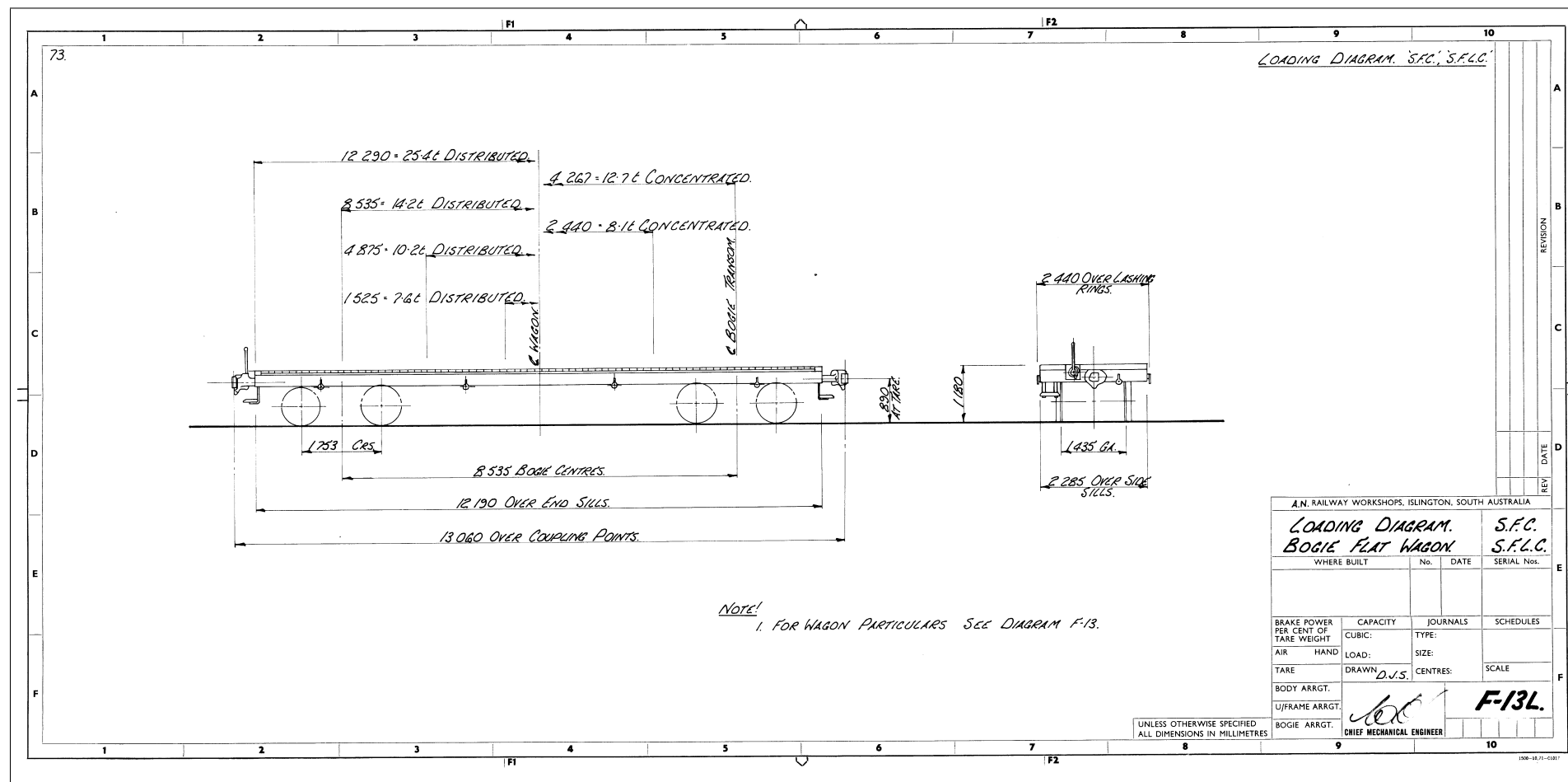
PlanId: f12

5.18 SFC SFLC Bogie Flat Wagon



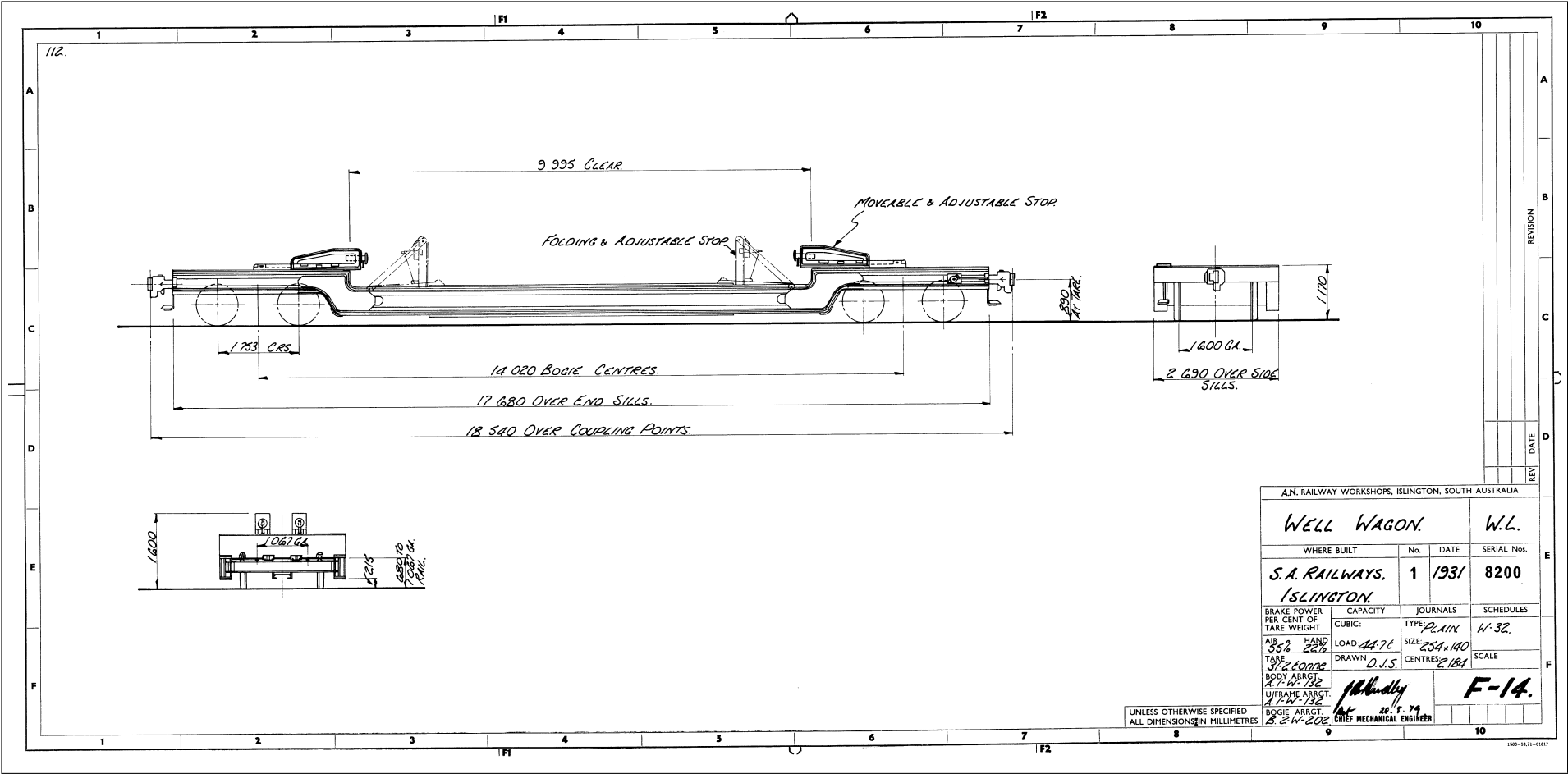
PlanId: f13

5.19 SFC SFLC Loading Diagram Bogie Flat Wagon



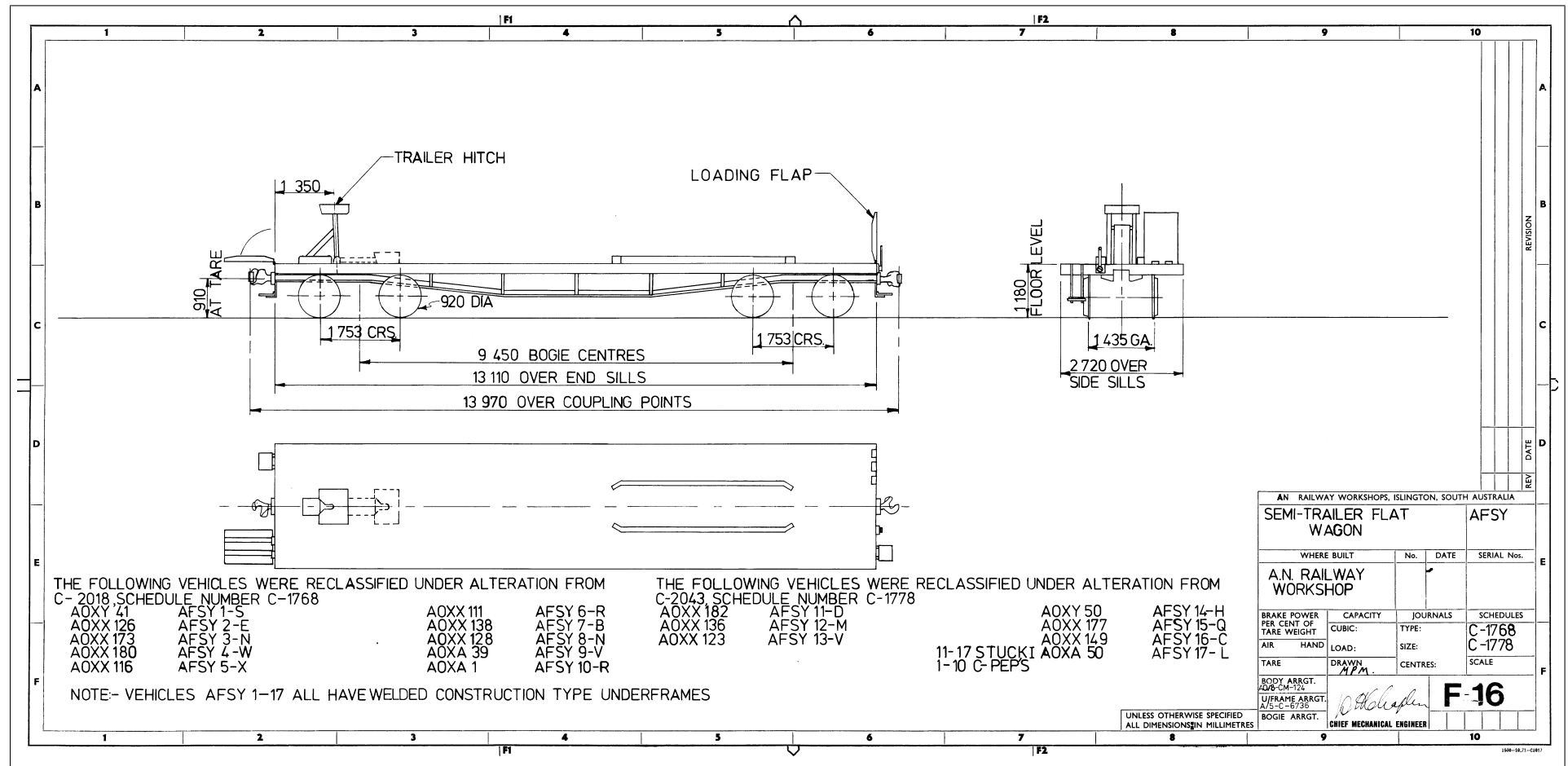
PlanId: f13l

5.20 WL Well Wagon



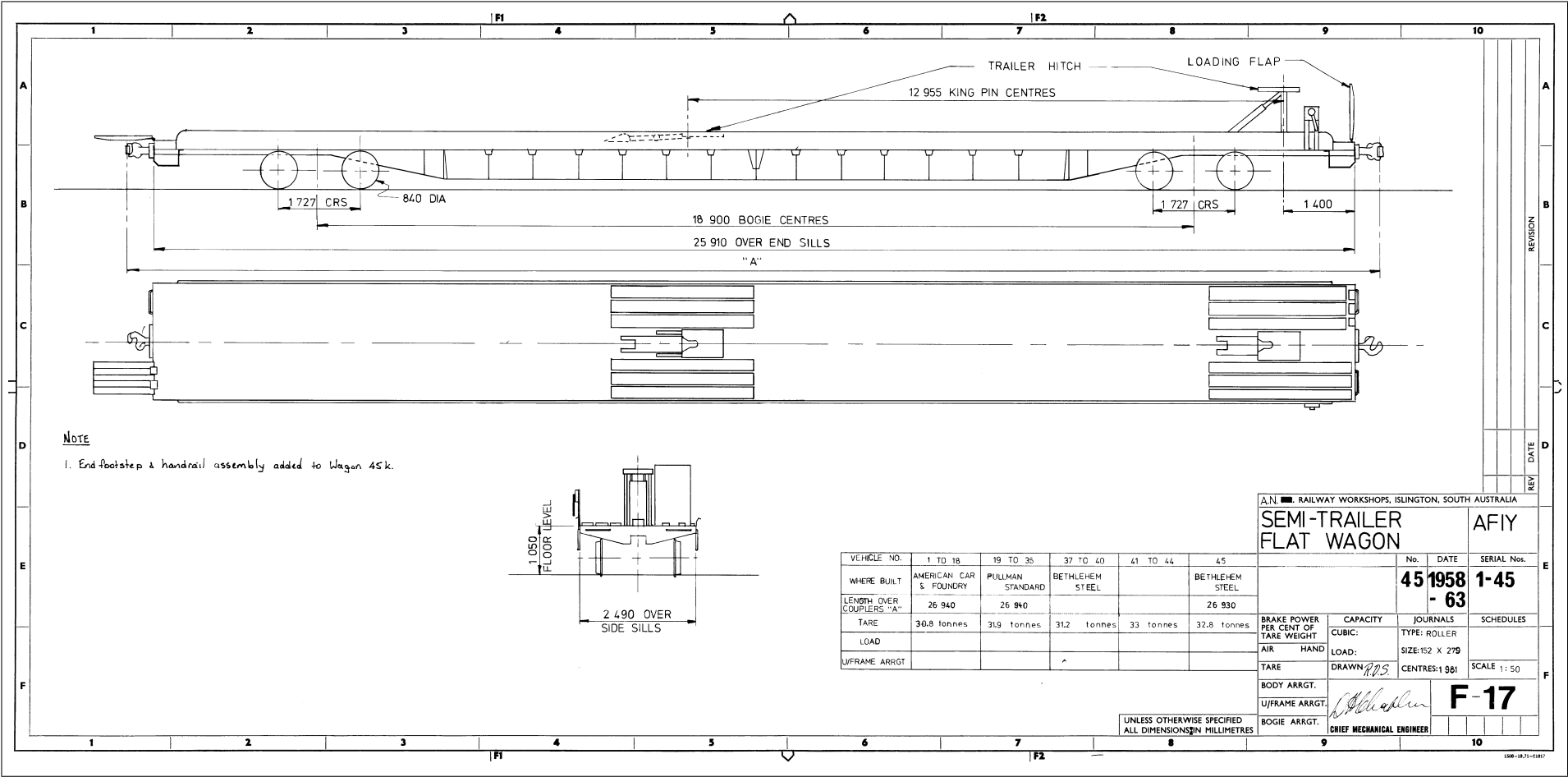
PlanId: f14

5.21 AFSY Semi-Trailer Flat Wagon



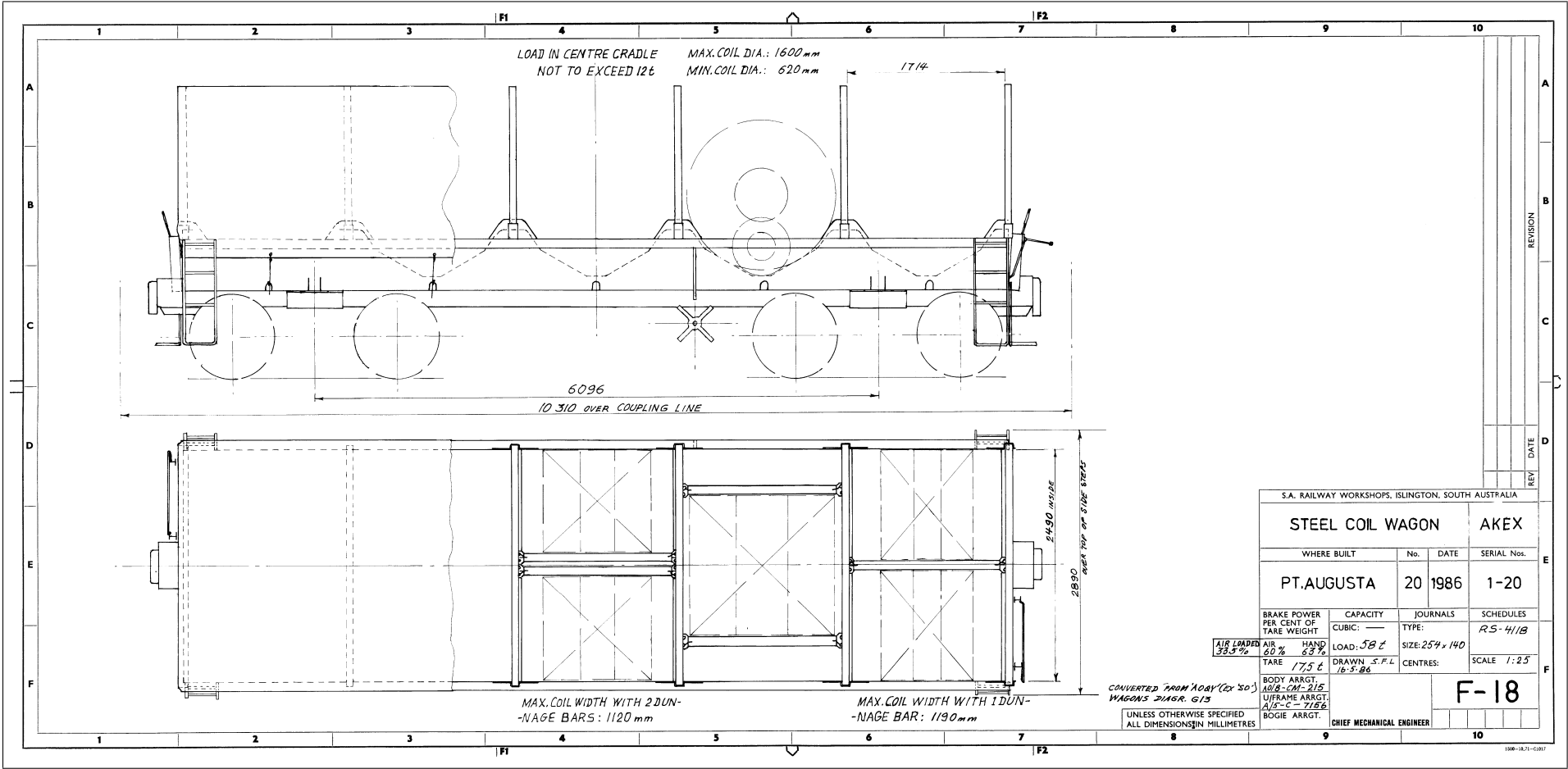
PlanId: f16

5.22 AFiy Semi-Trailer Flat Wagon



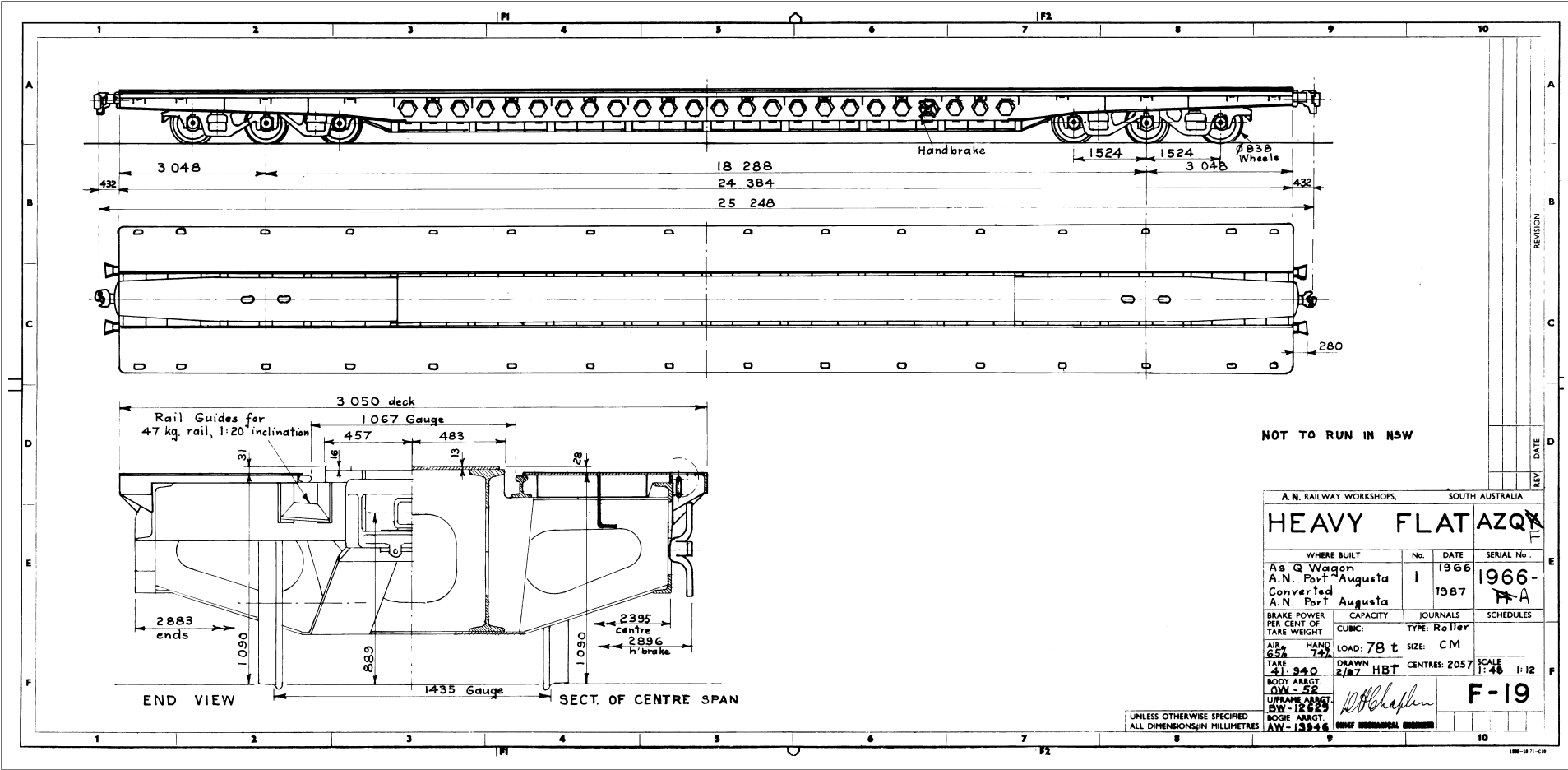
PlanId: f17

5.23 AKEX Steel Coil Wagon



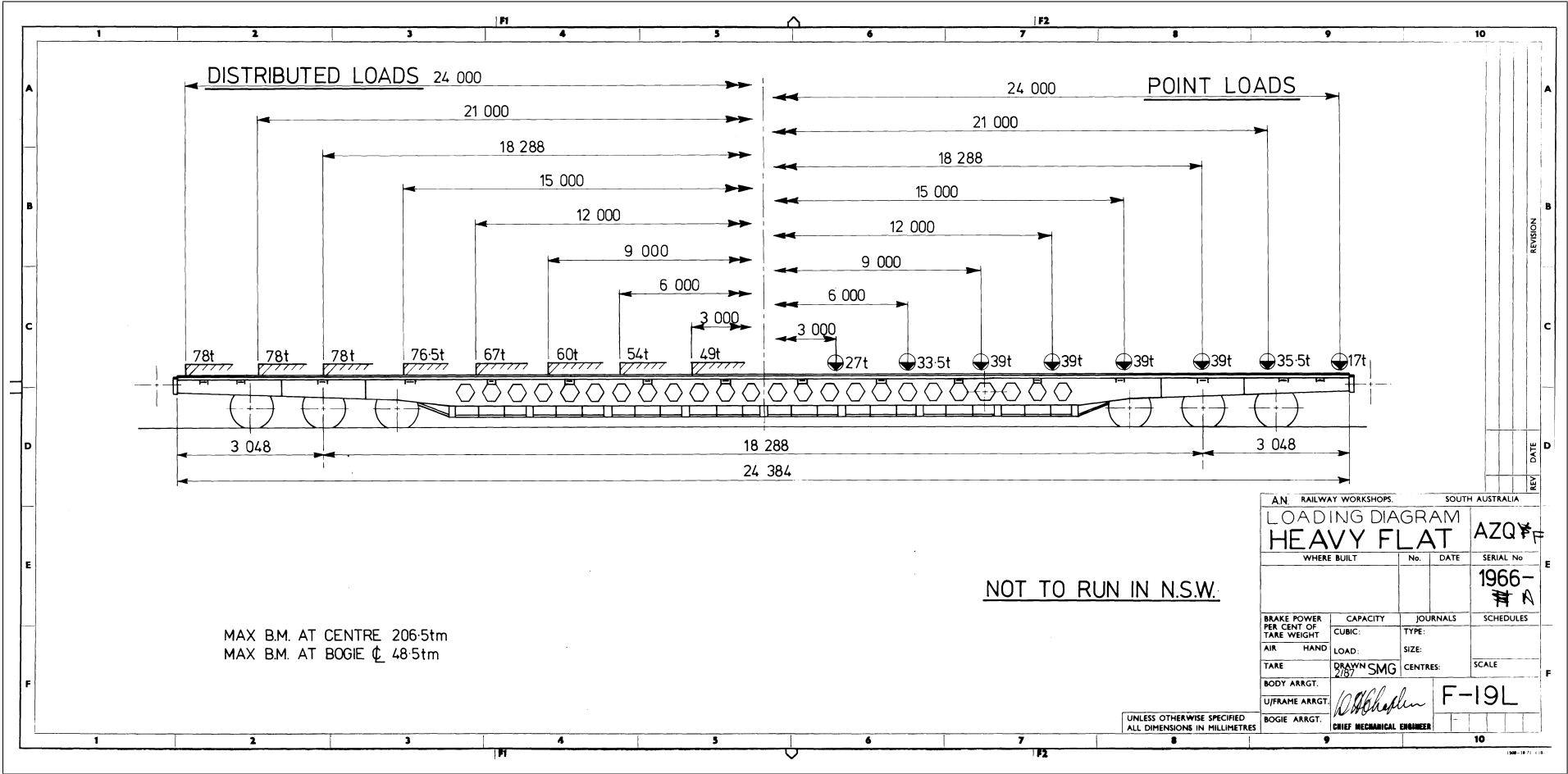
PlanId: f18

5.24 AZQF Heavy Flat Wagon



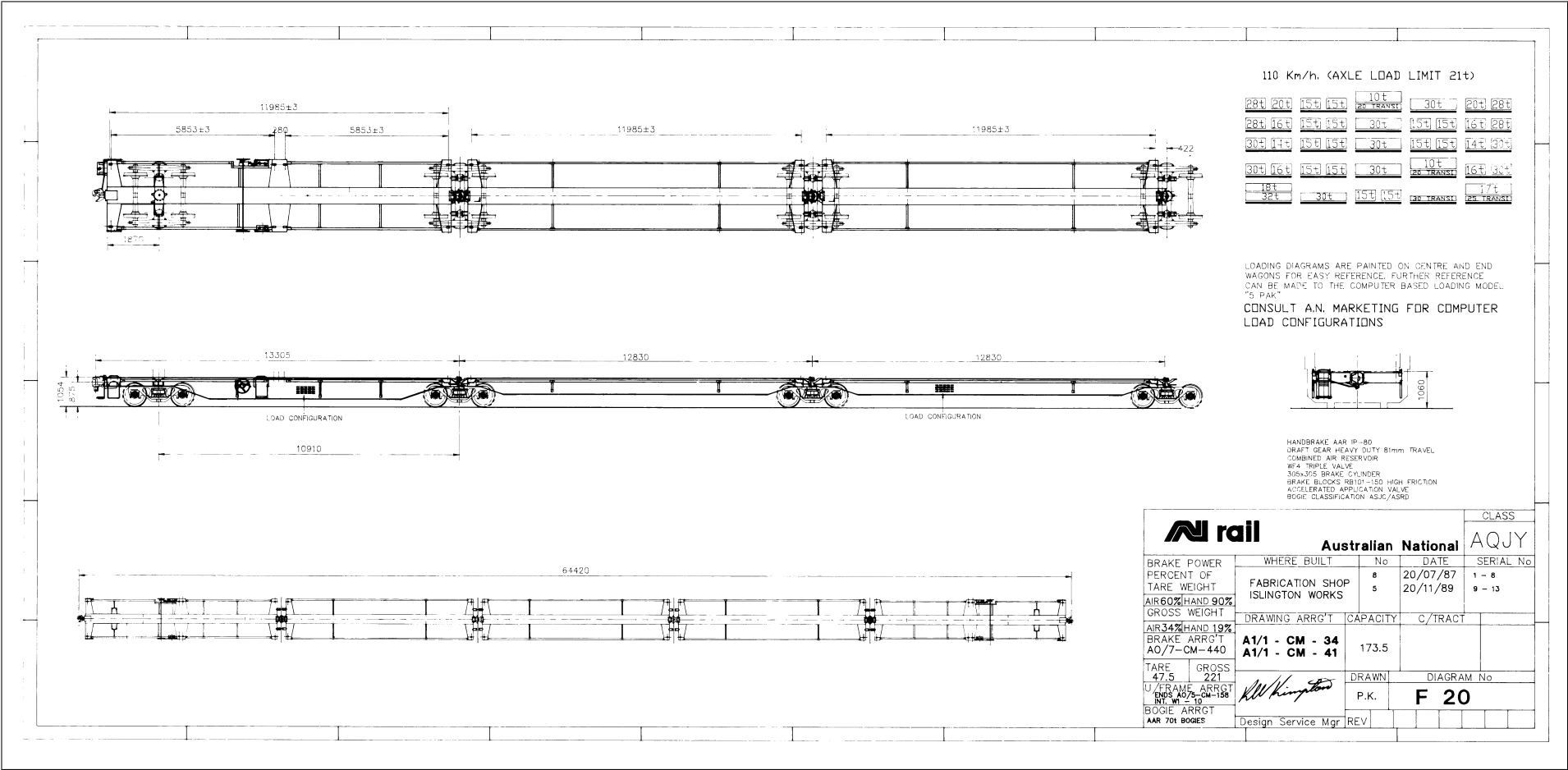
PlanId: f19

5.25 AZQF Loading Diagram Heavy Flat



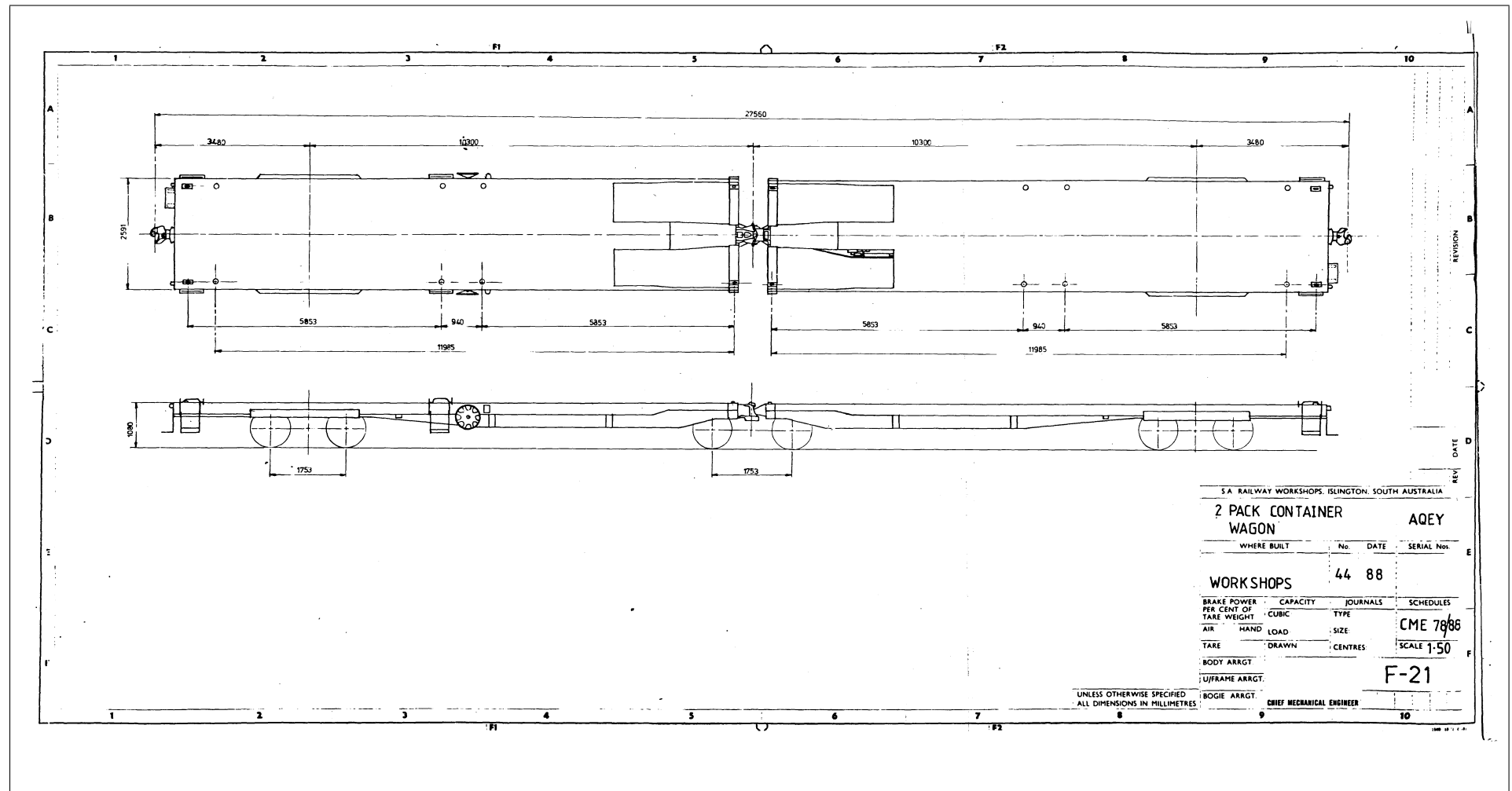
PlanId: f19L

5.26 AQJY 5-Pack Container Wagon



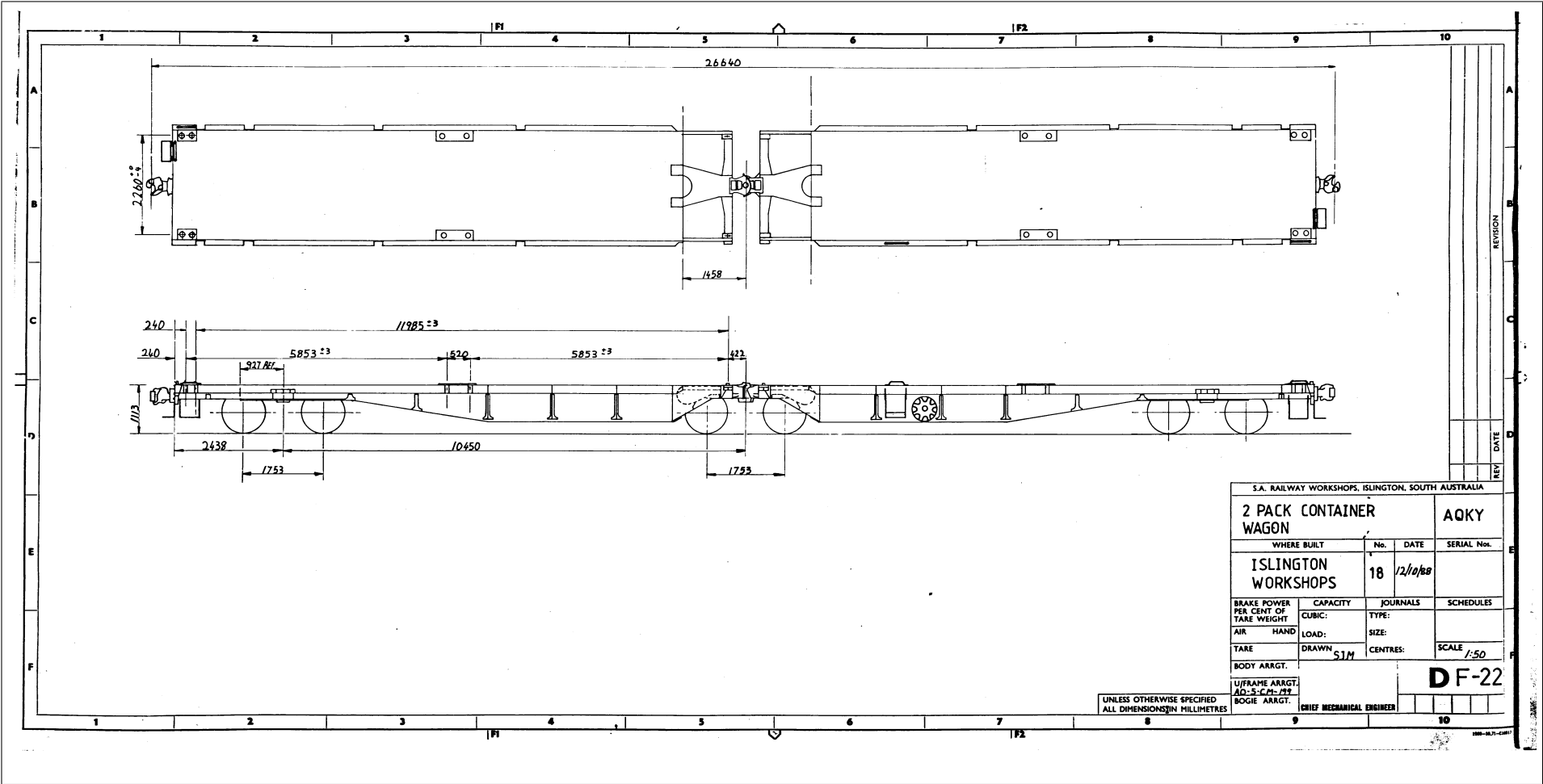
PlanId: f20

5.27 AQEY 2-Pack Container Wagon



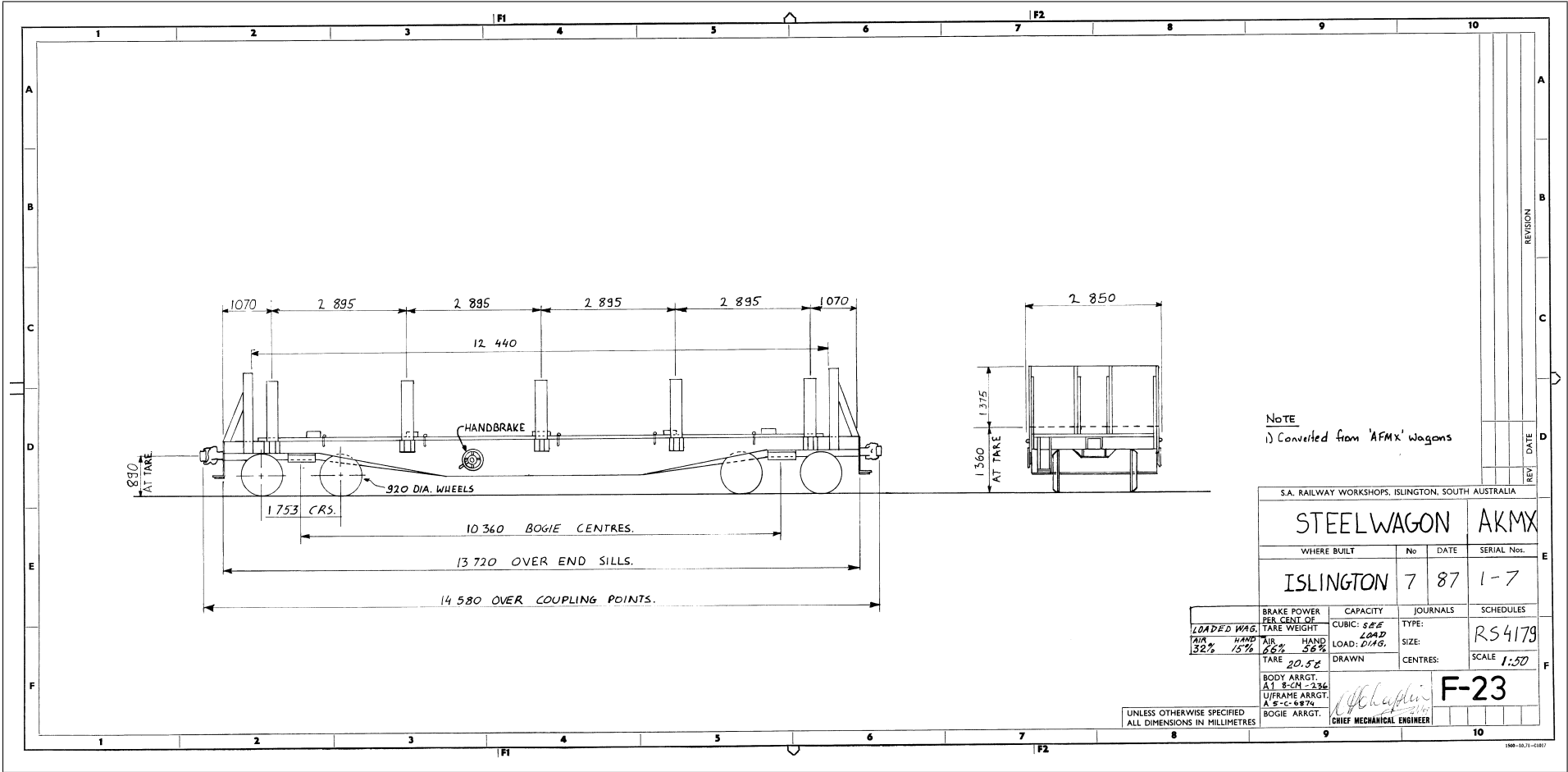
PlanId: f21

5.28 AQKY 2-Pack Container Wagon



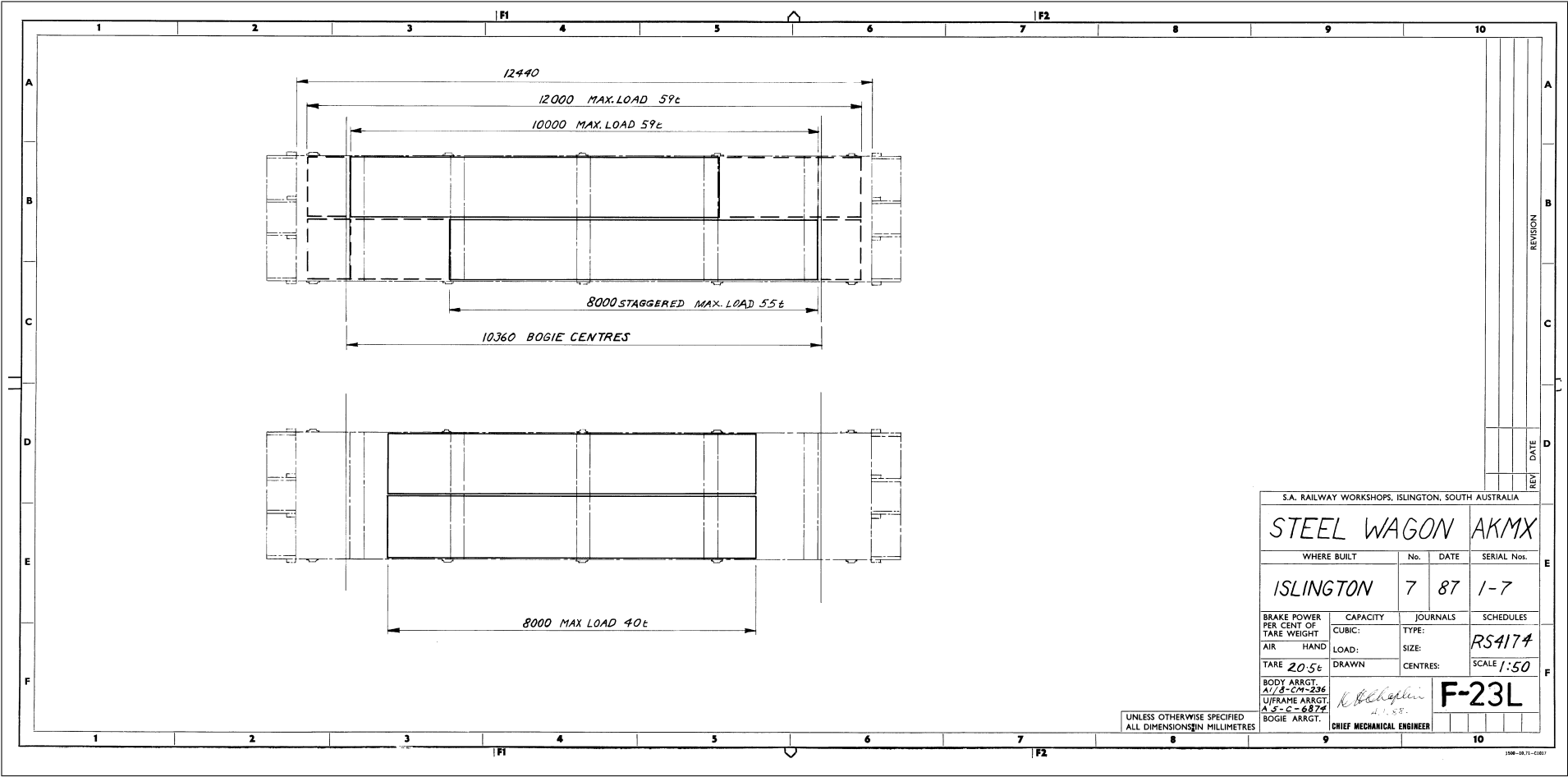
PlanId: f22

5.29 AKMX Steel Wagon



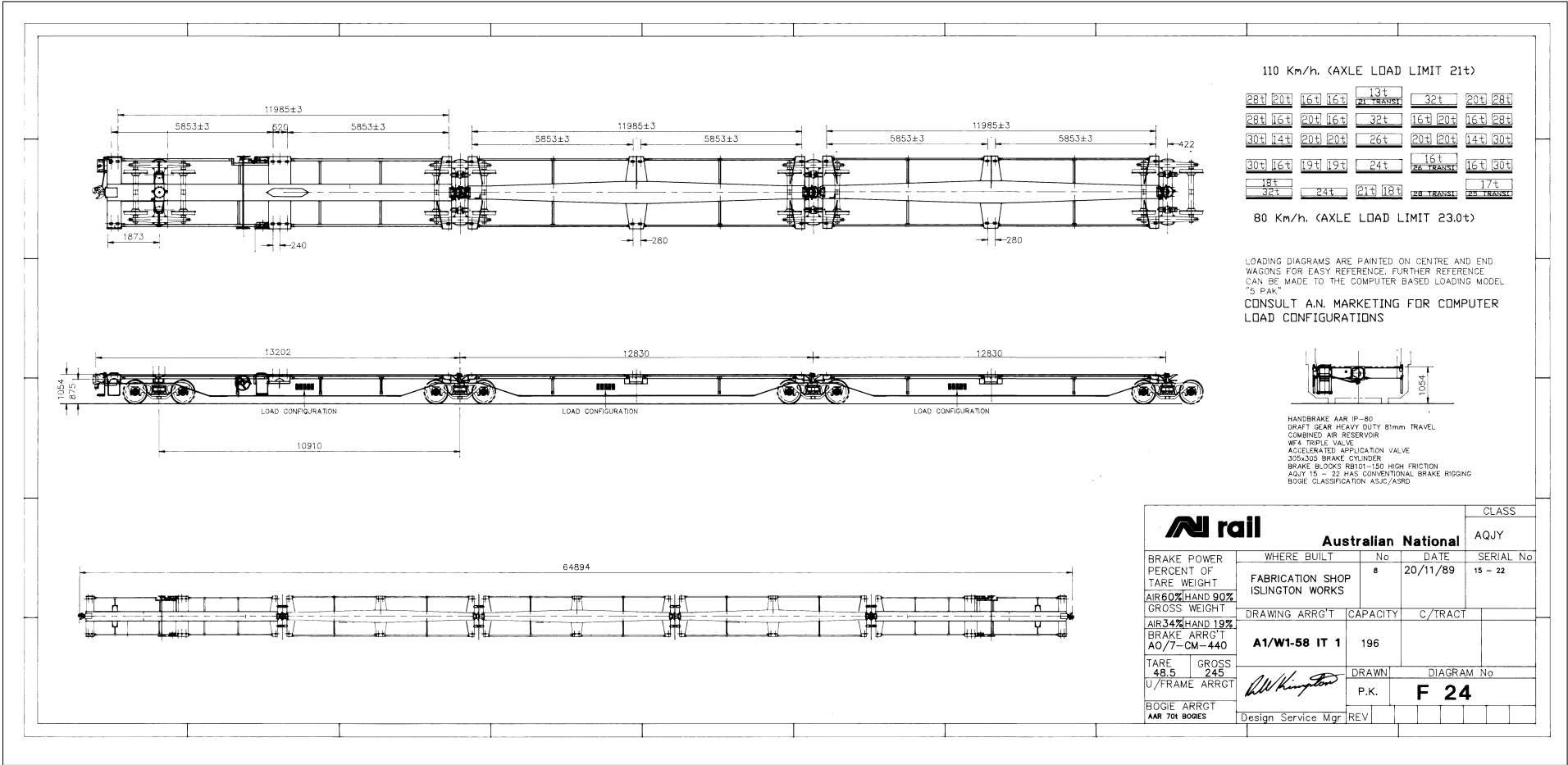
PlanId: f23

5.30 AKMX Steel Wagon



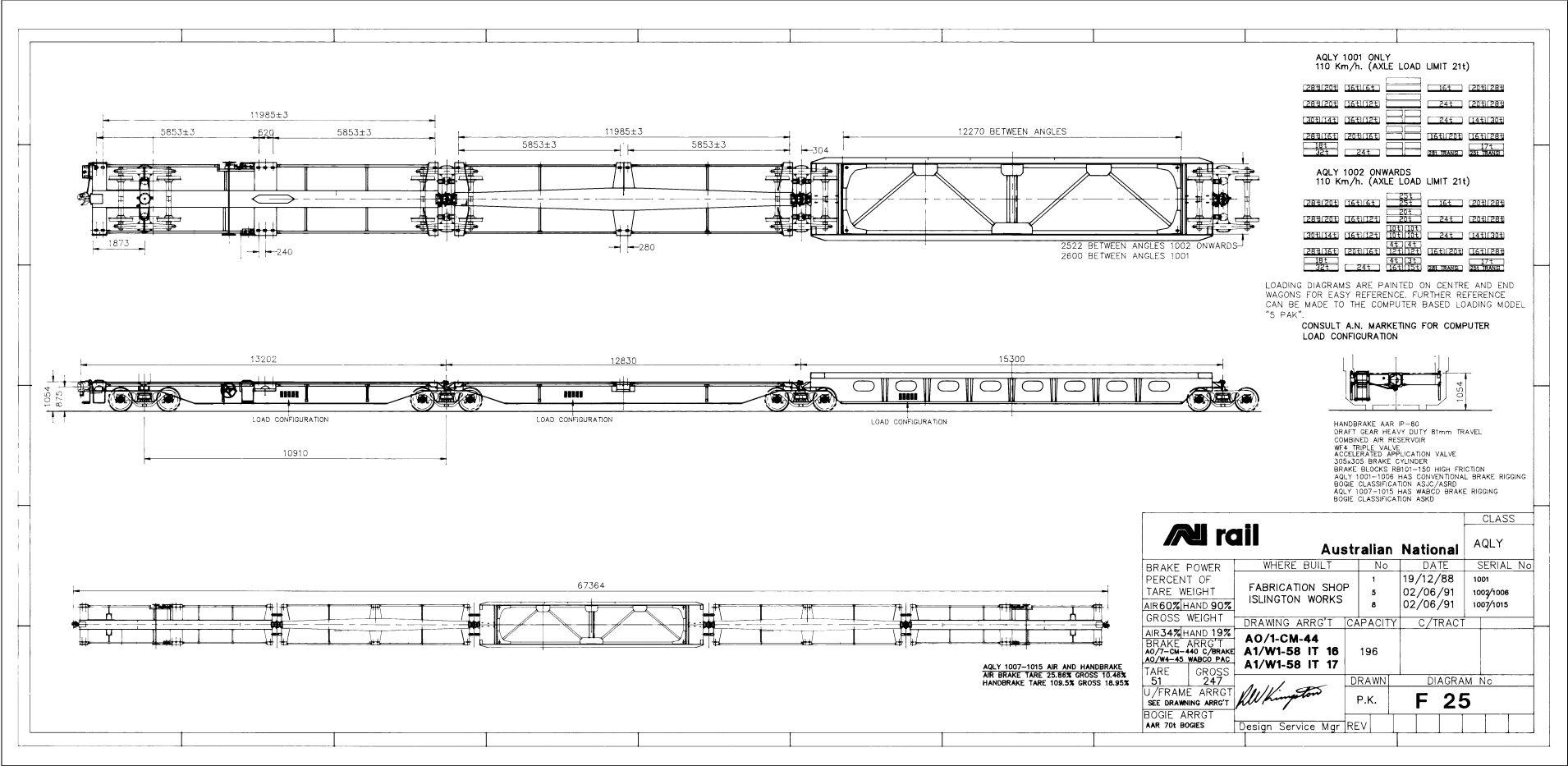
PlanId: f23l

5.31 AQJY 5-Pack Container Wagon



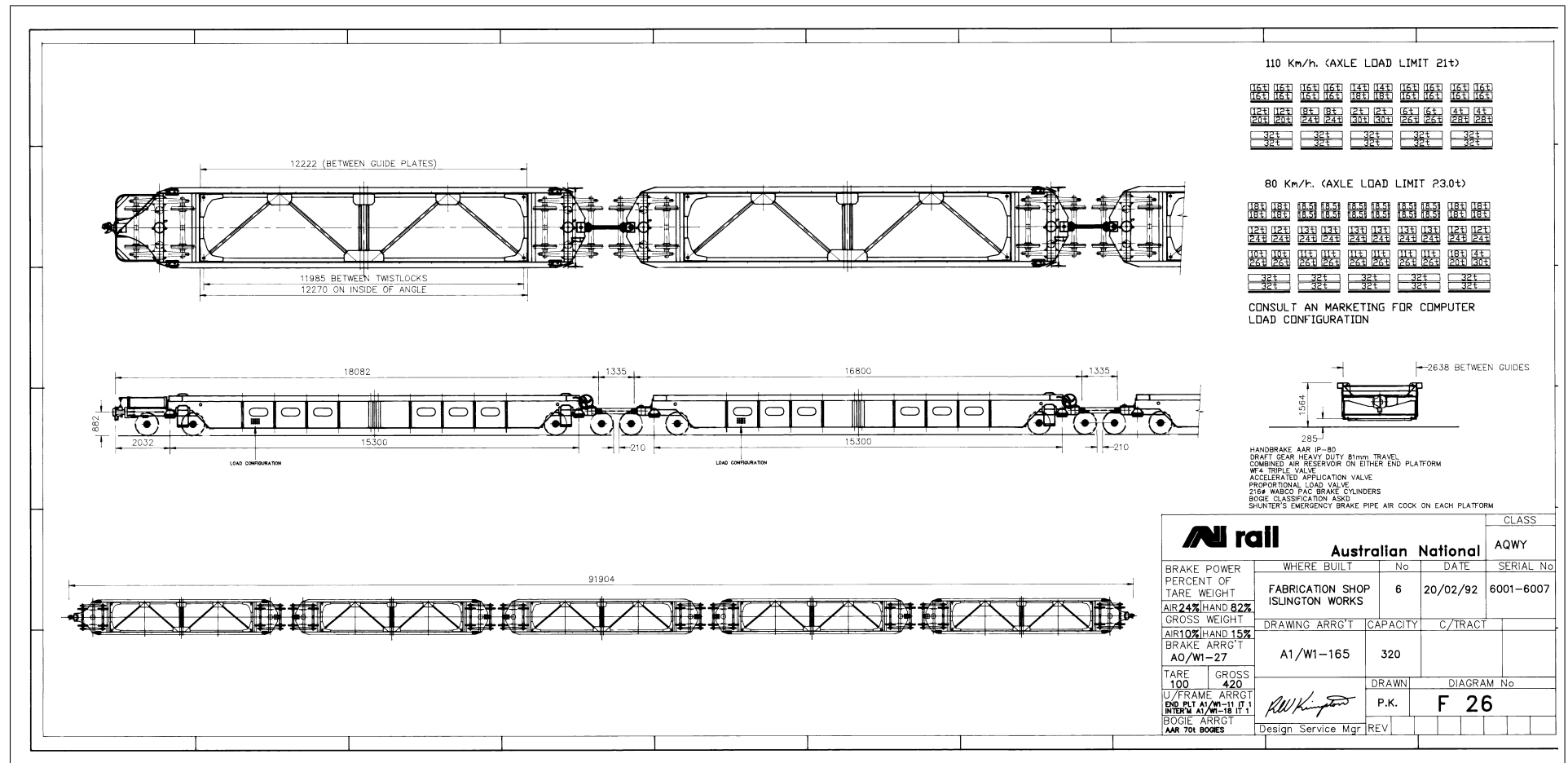
PlanId: f24

5.32 AQLY 5-Pack Container Wagon



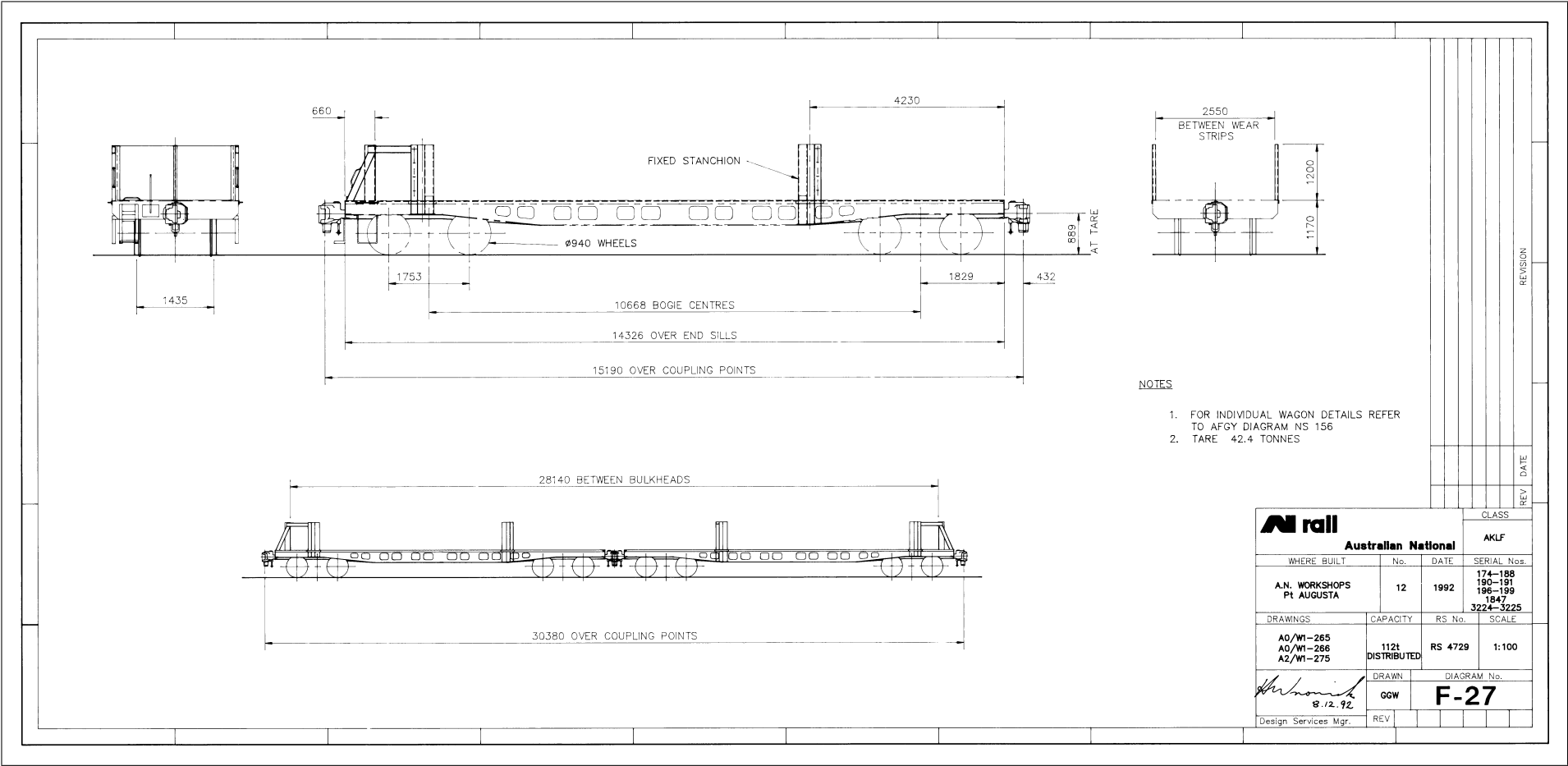
PlanId: f25

5.33 AQWY 5-Pack Bogie Well Wagon



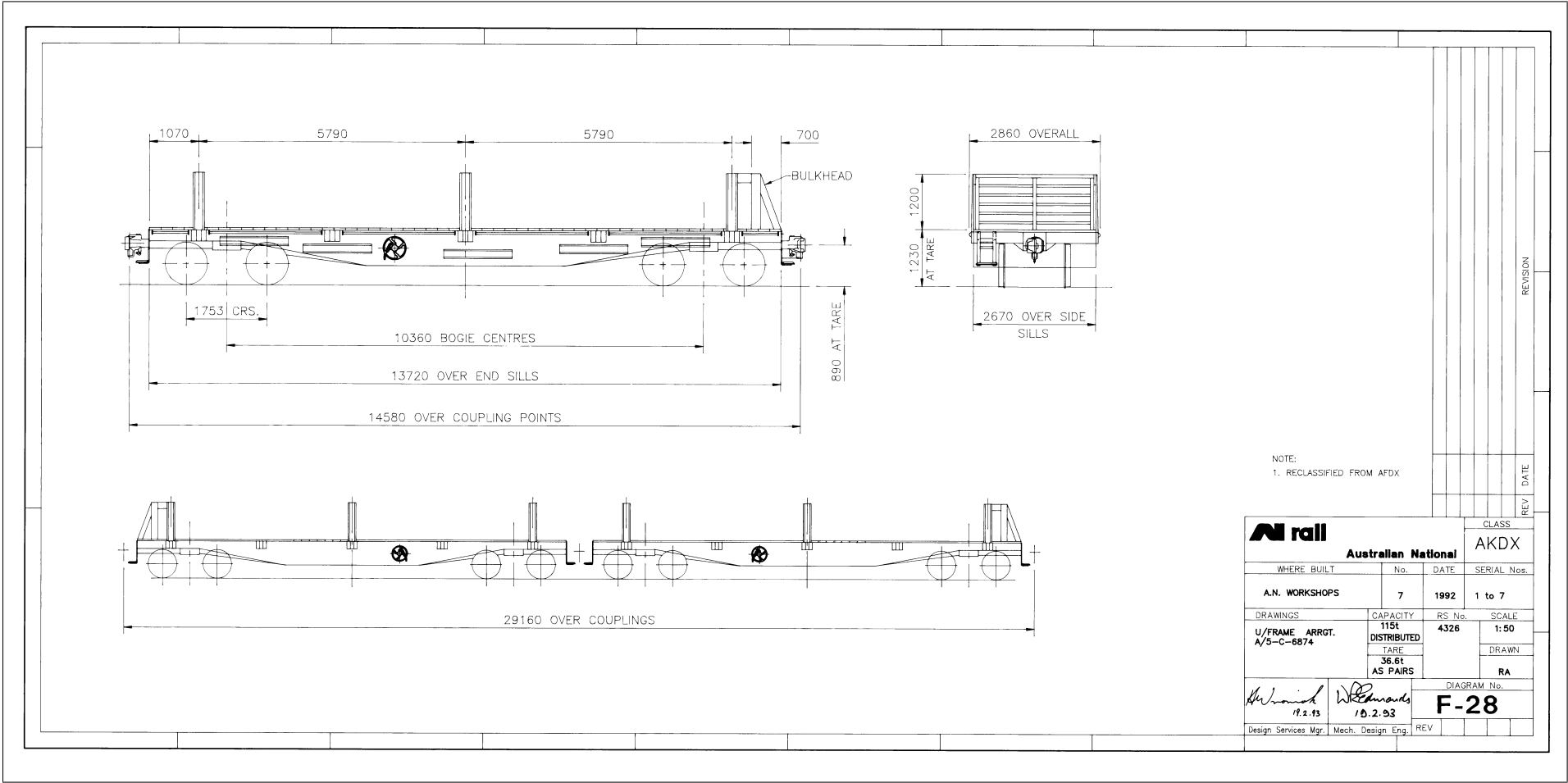
PlanId: f26

5.34 AKLF 2-Pack Flat Wagon



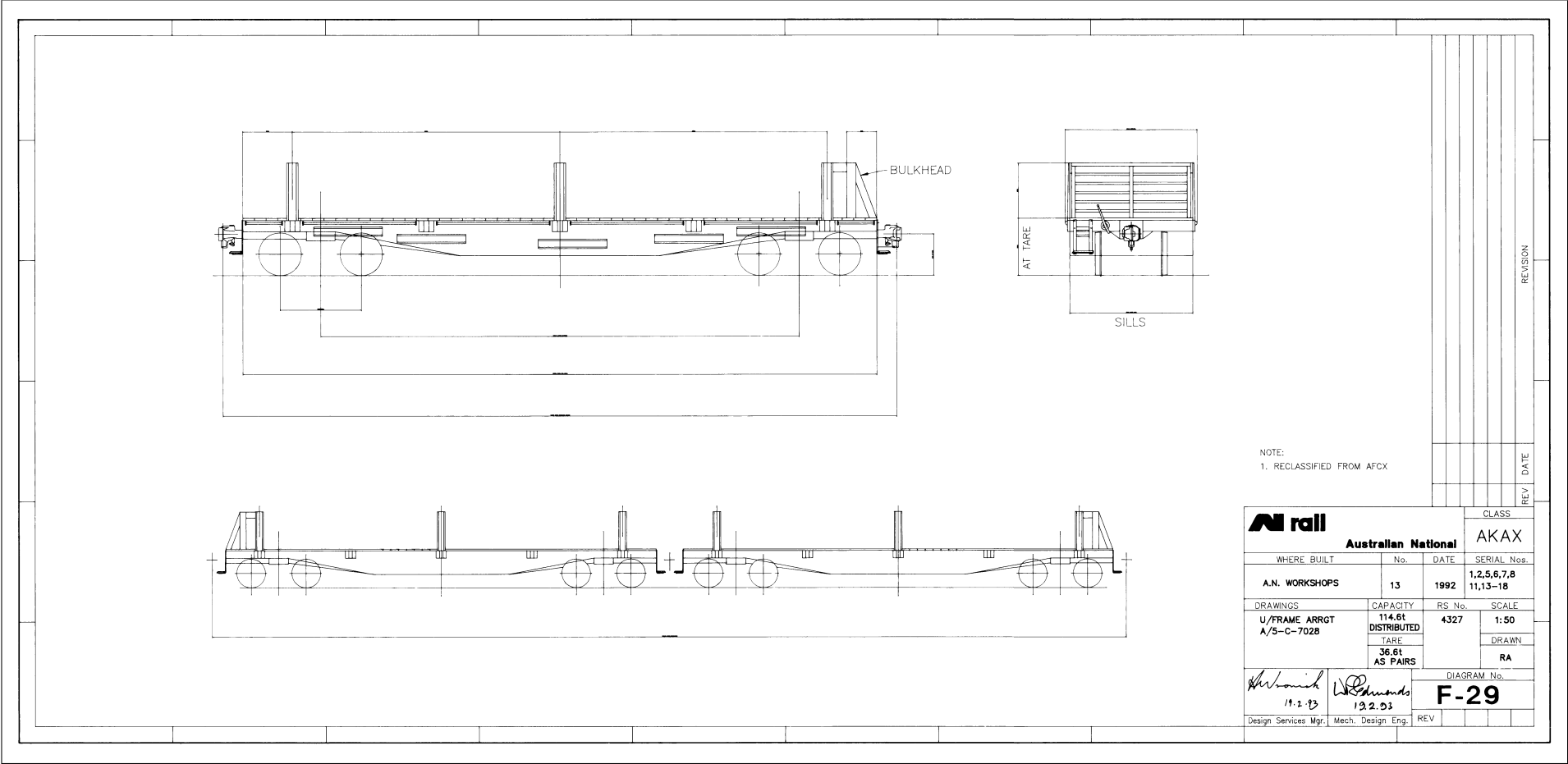
PlanId: f27

5.35 AKDX 2-Pack Flat Wagon



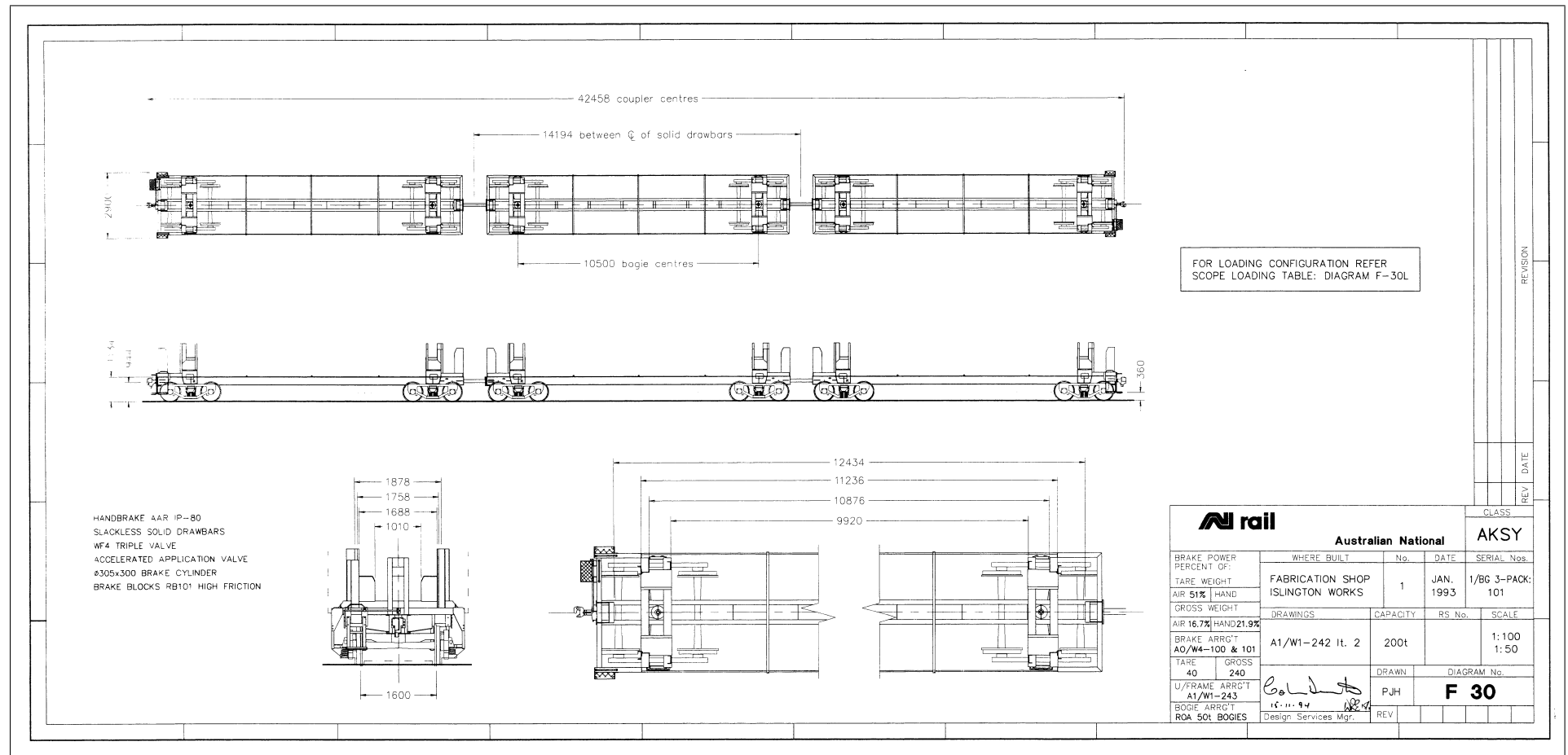
PlanId: f28

5.36 AKAX 2-Pack Flat Wagon



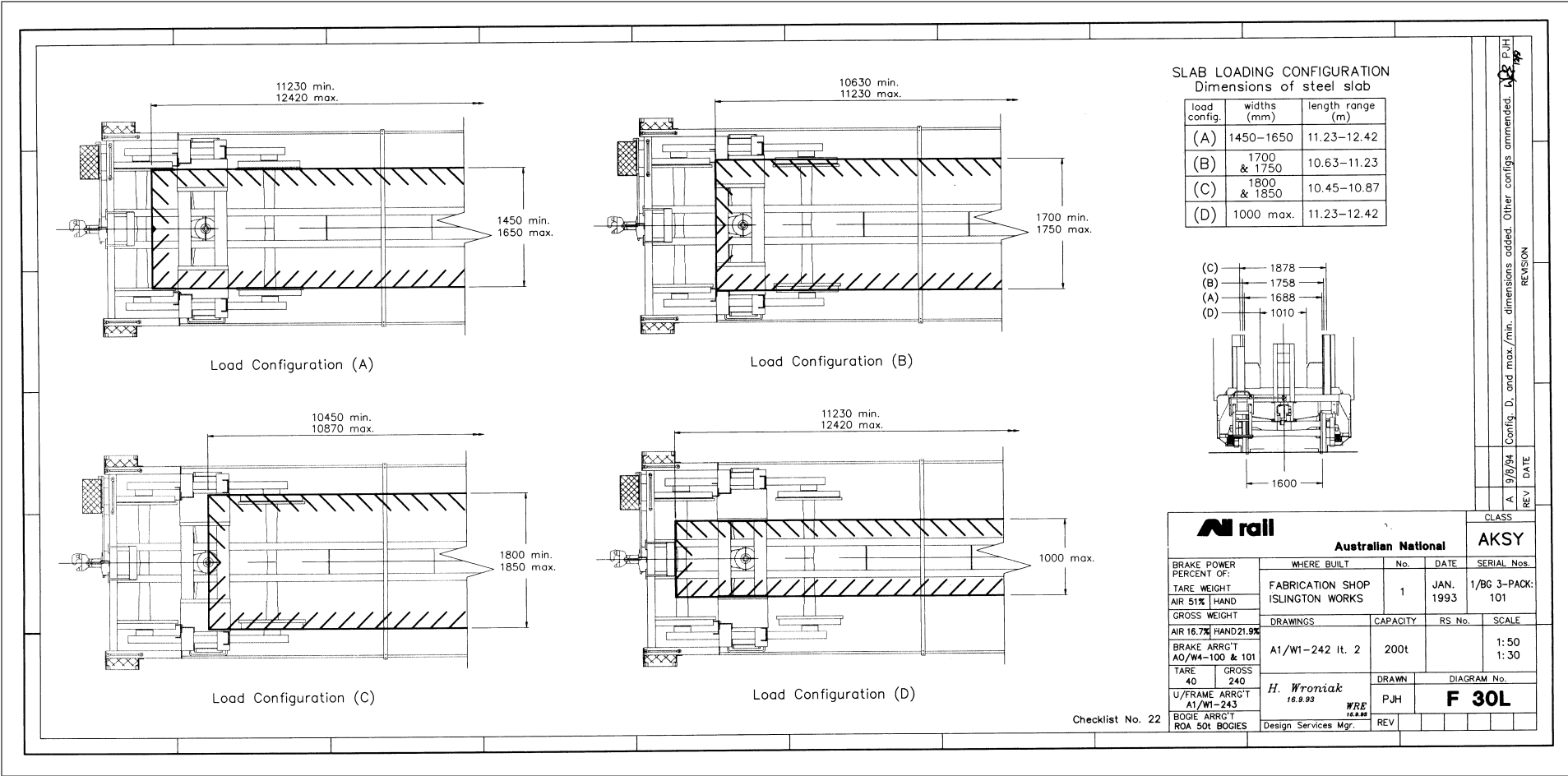
PlanId: f29

5.37 AKSY 3-Pack Flat Wagon



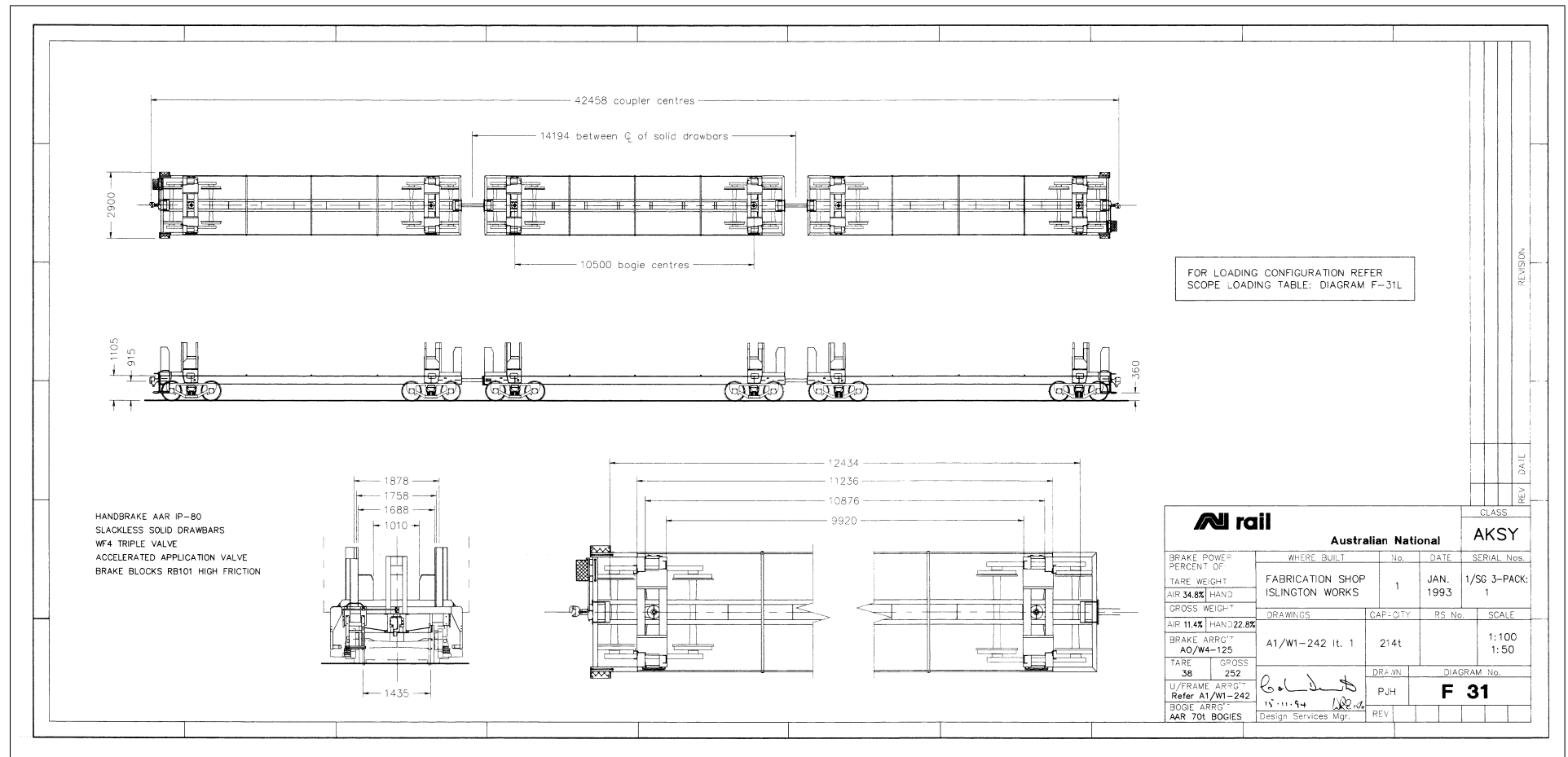
PlanId: f30

5.38 AKSY 3-Pack Flat Wagon



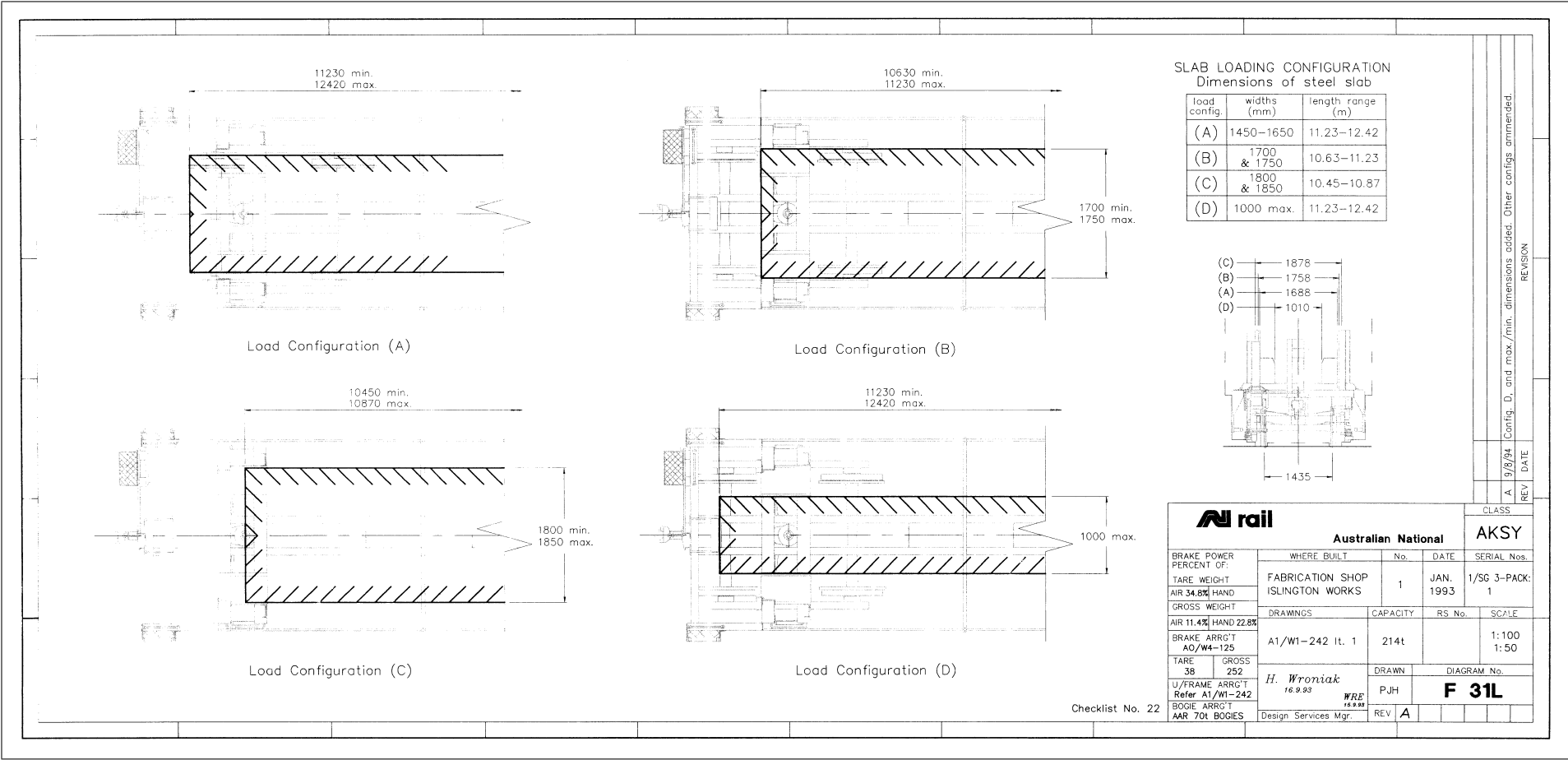
PlanId: f30l

5.39 AKSY 3-Pack Flat Wagon



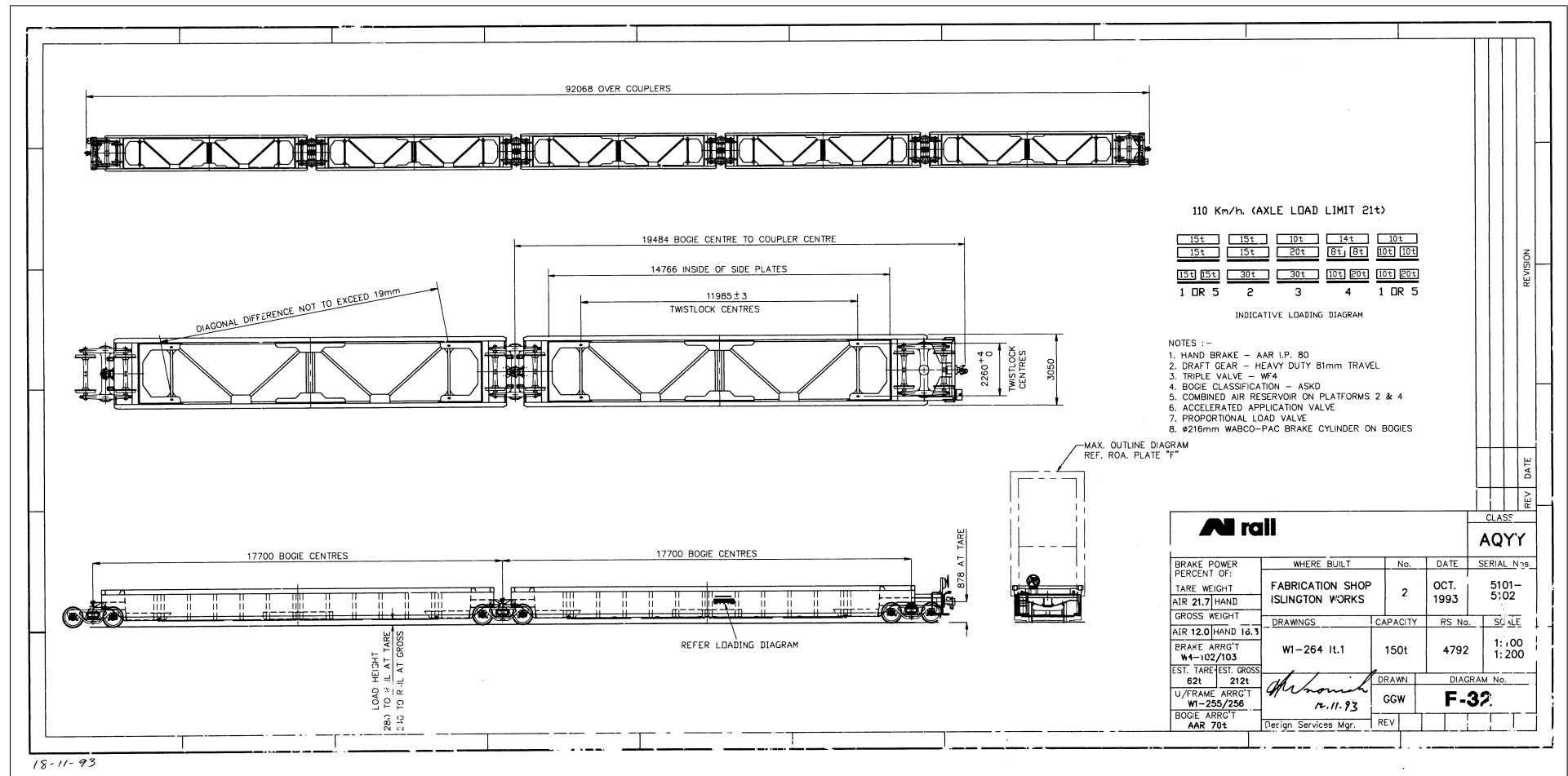
PlanId: f31

5.40 AKSY 3-Pack Flat Wagon



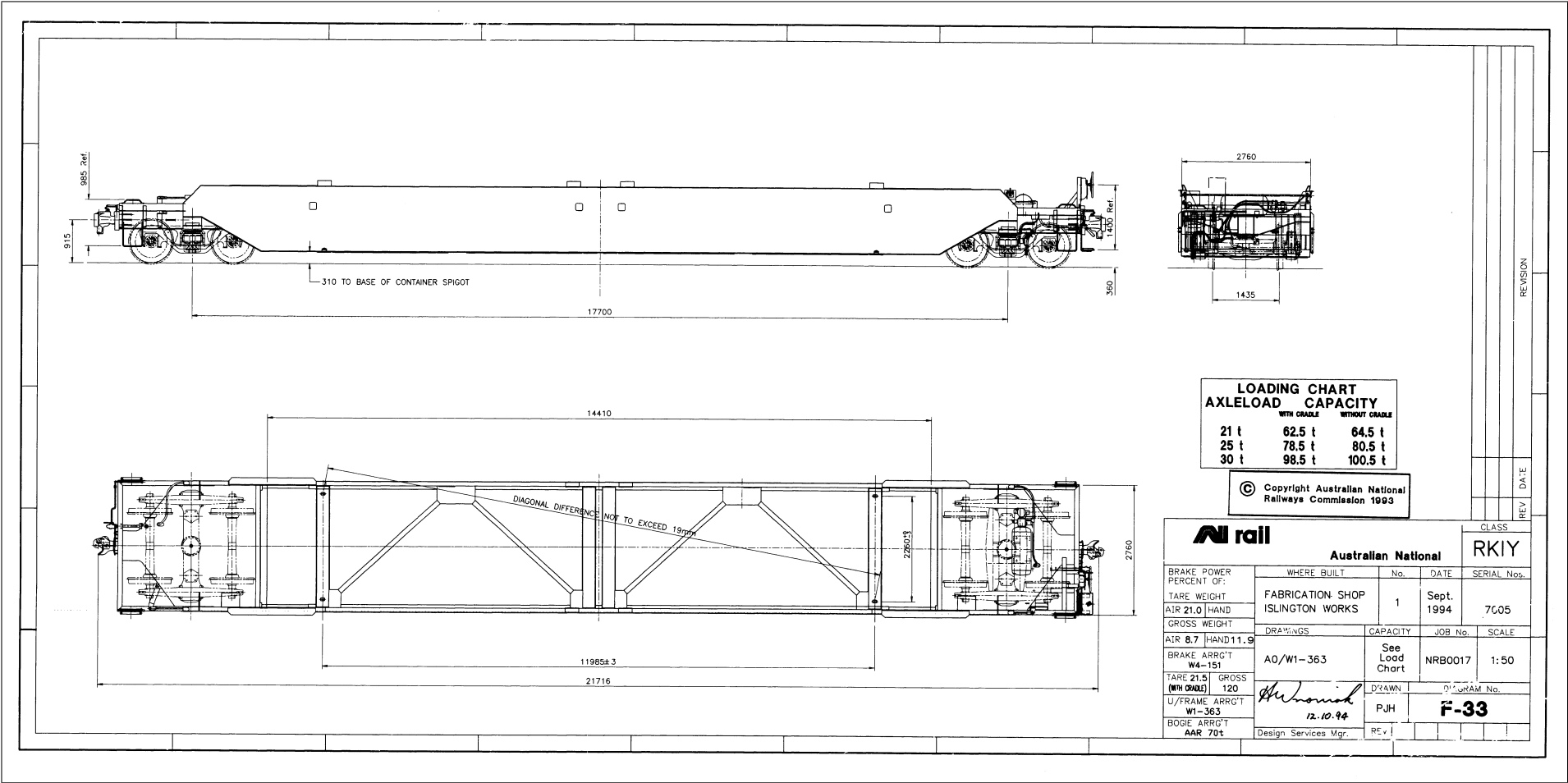
PlanId: f31l

5.41 AKYY 5-Pack Well Wagon



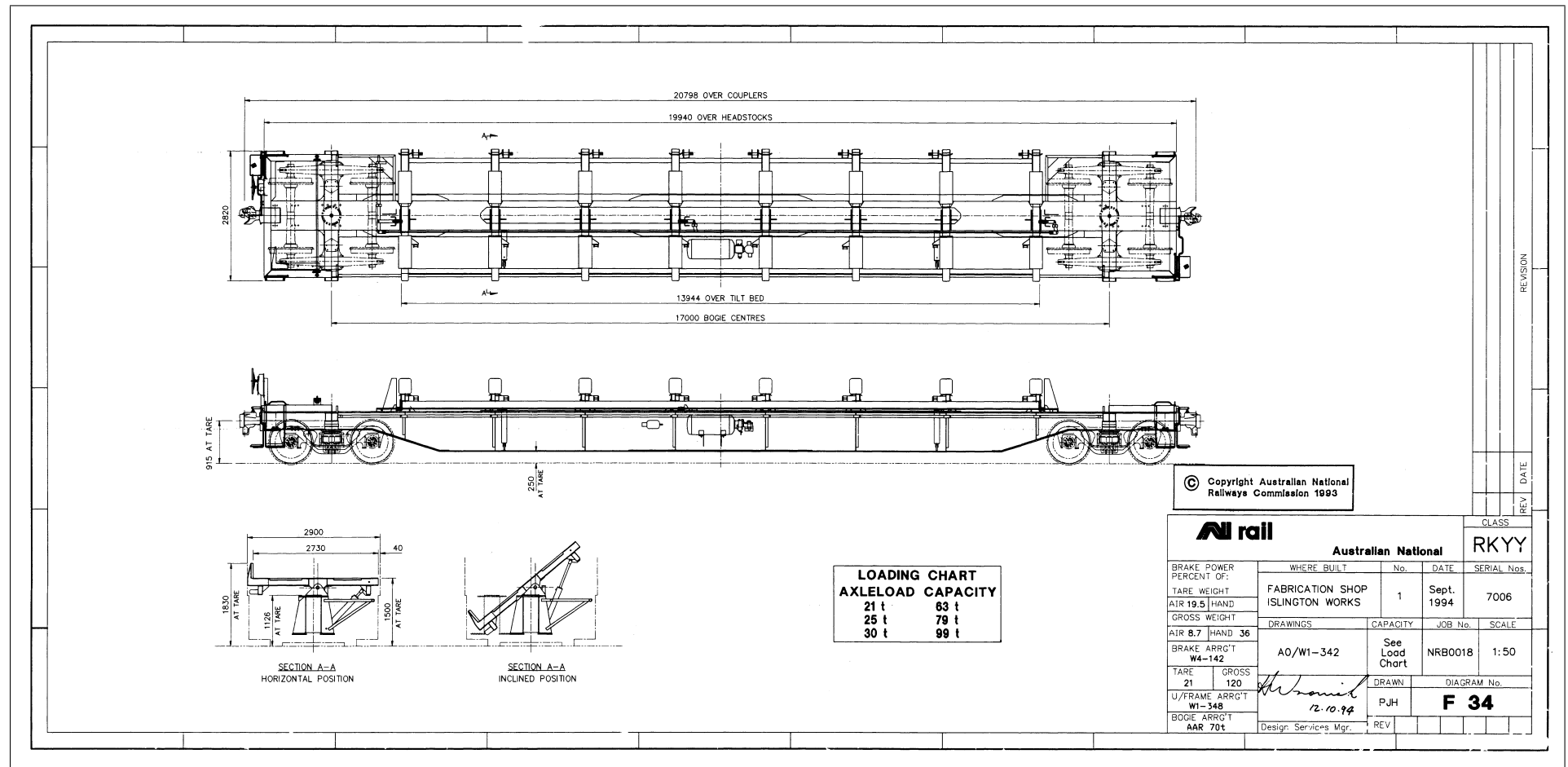
PlanId: f32

5.42 RKIY Well Wagon



PlanId: f33

5.43 RKYY Well Wagon



PlanId: f34



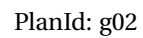
NRM-DB02

CHAPTER

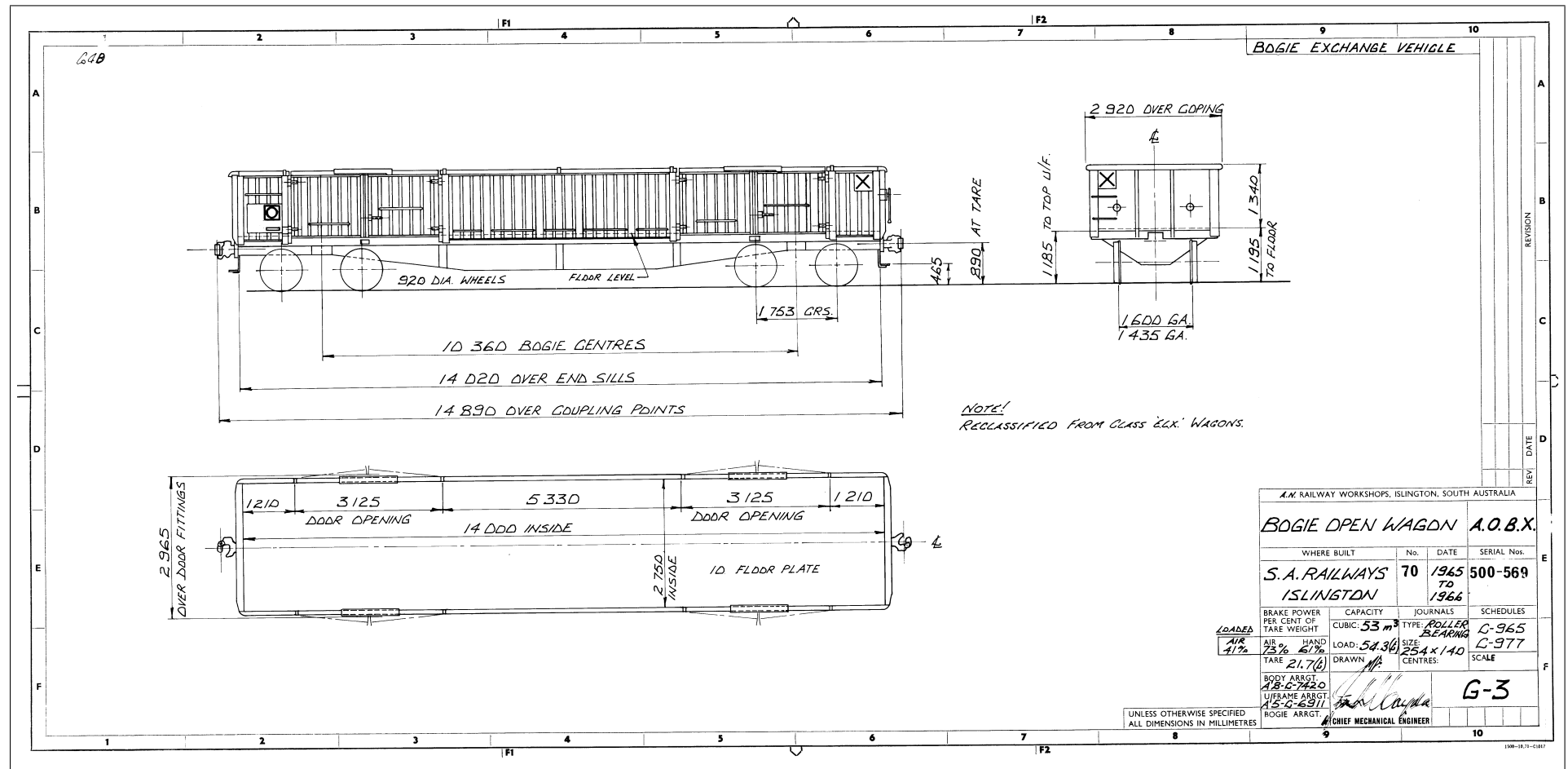
6

GONDOLAS (G SERIES)

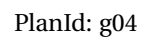
6.1	AOXX AFWY Gondola Wagon Welded Design	117
6.2	AOCX Bogie Open Wagon	118
6.3	AOBX Bogie Open Wagon	119
6.4	AOFX Bogie Open Wagon	120
6.5	YST Coil Steel Transport Wagon 4 wheel	121
6.6	OBF 4 Wheel Open Wagon BG	122
6.7	ADWA AQWF AOWL 5 plank Bogie Open Wagon	123
6.8	AOXA AOXX AOXF Gondola Wagon	124
6.9	AOGA AOGF Open Wagon Welded Design	125
6.10	OBF 4 Wheel Open Wagon	126
6.11	OF 4 Wheel Open Wagon	127
6.12	OC Bogie Open Wagon	128
6.13	AOQY Bogie Ore Wagon	129
6.14	AOQF Bogie Ore Wagon	130
6.15	SGC Bogie Open Wagon	131
6.16	SCBC Bogie Open Wagon	132
6.17	SGBZ 4 Wheel Open Wagon	133



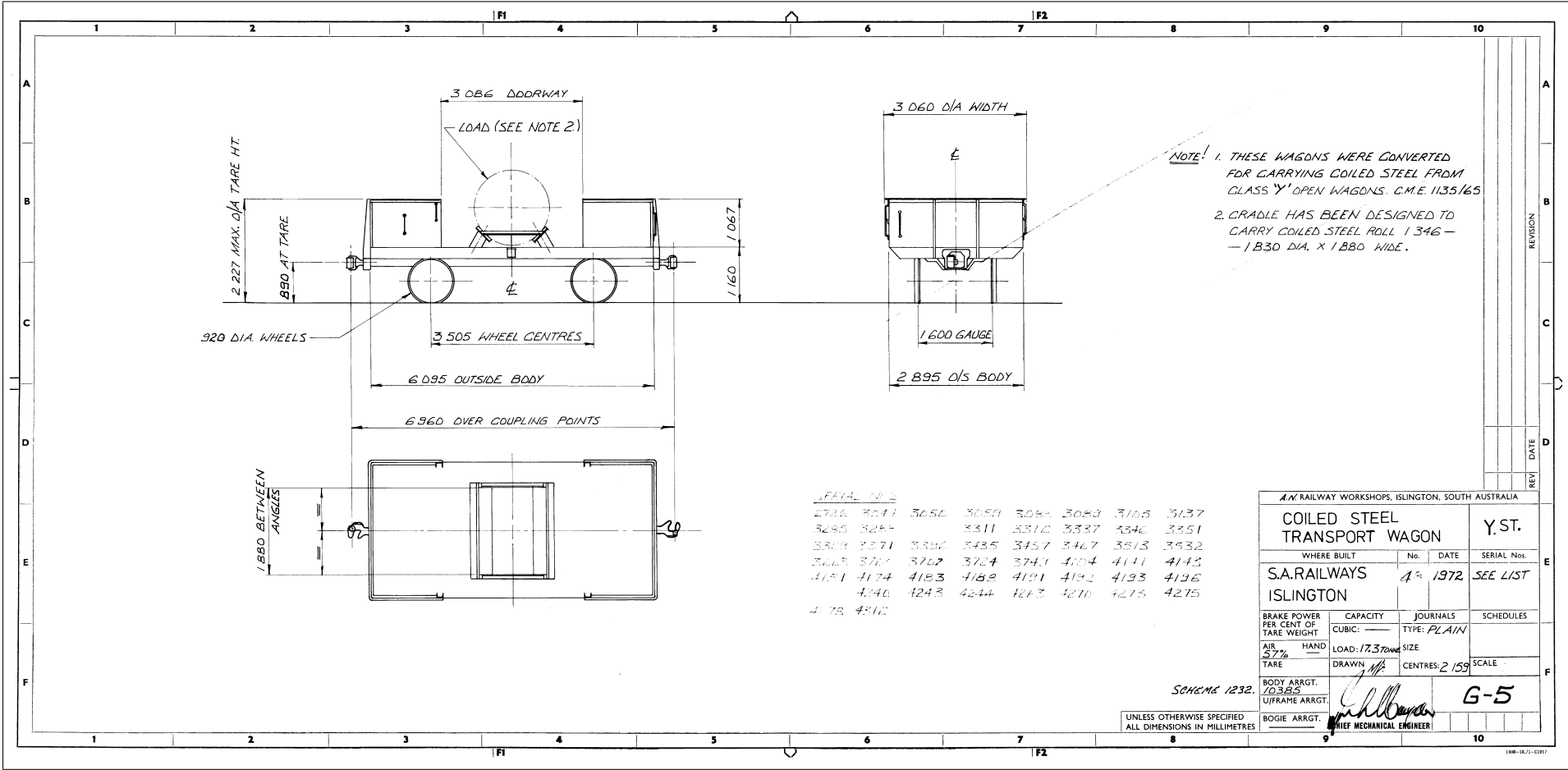
6.3 AOBX Bogie Open Wagon



PlanId: g03

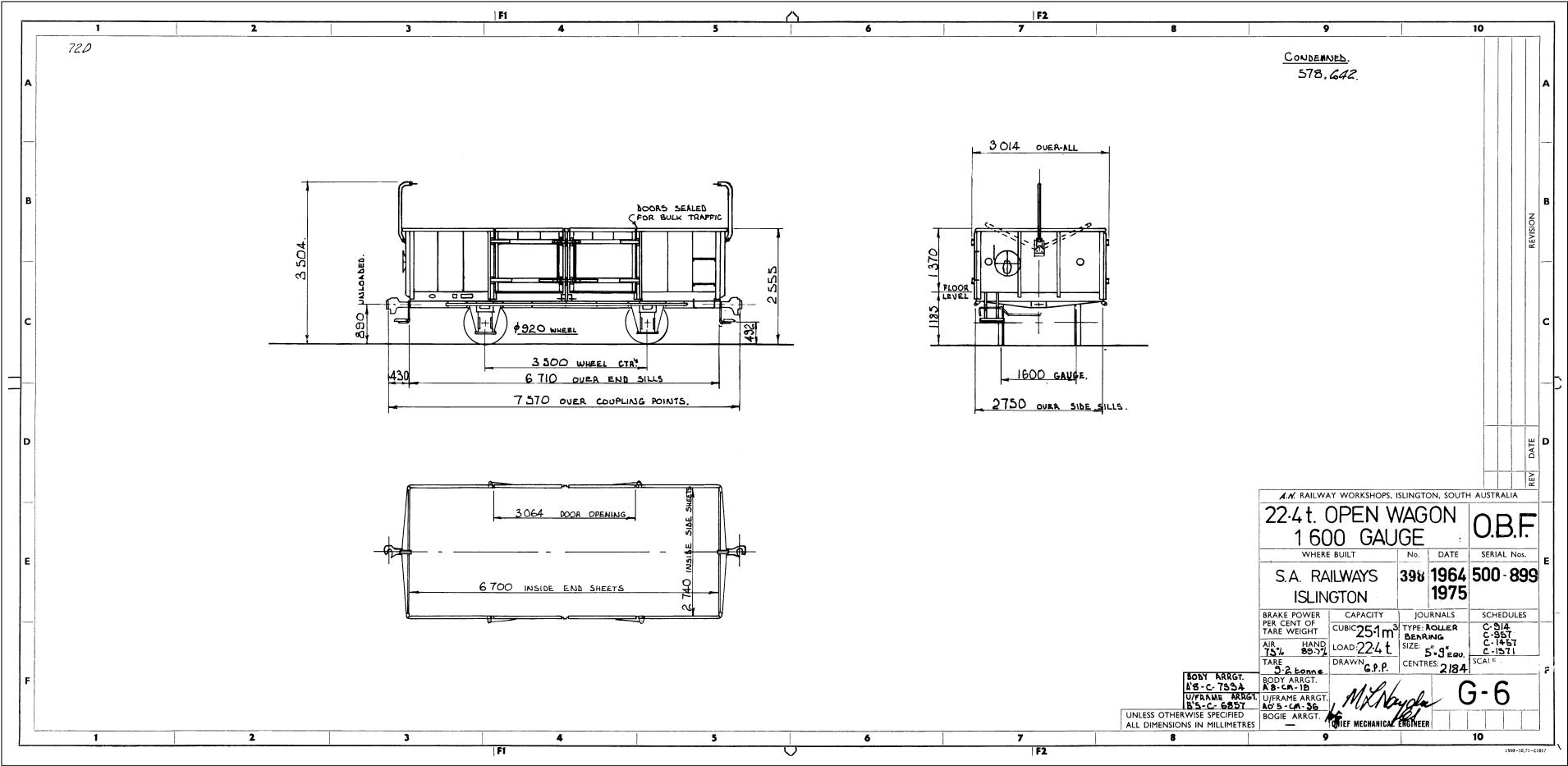


6.5 YST Coil Steel Transport Wagon 4 wheel



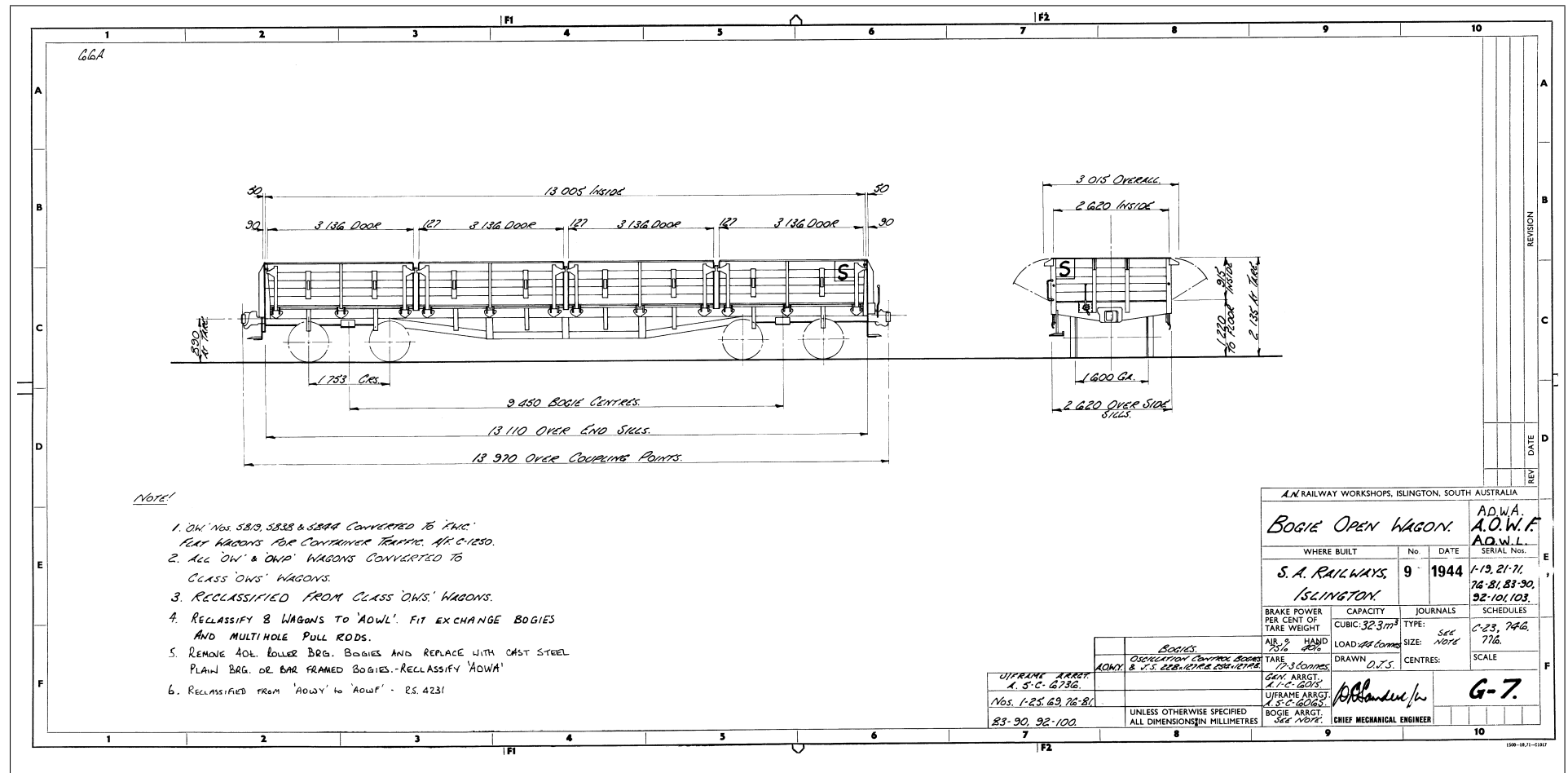
PlanId: g05

6.6 OBF 4 Wheel Open Wagon BG



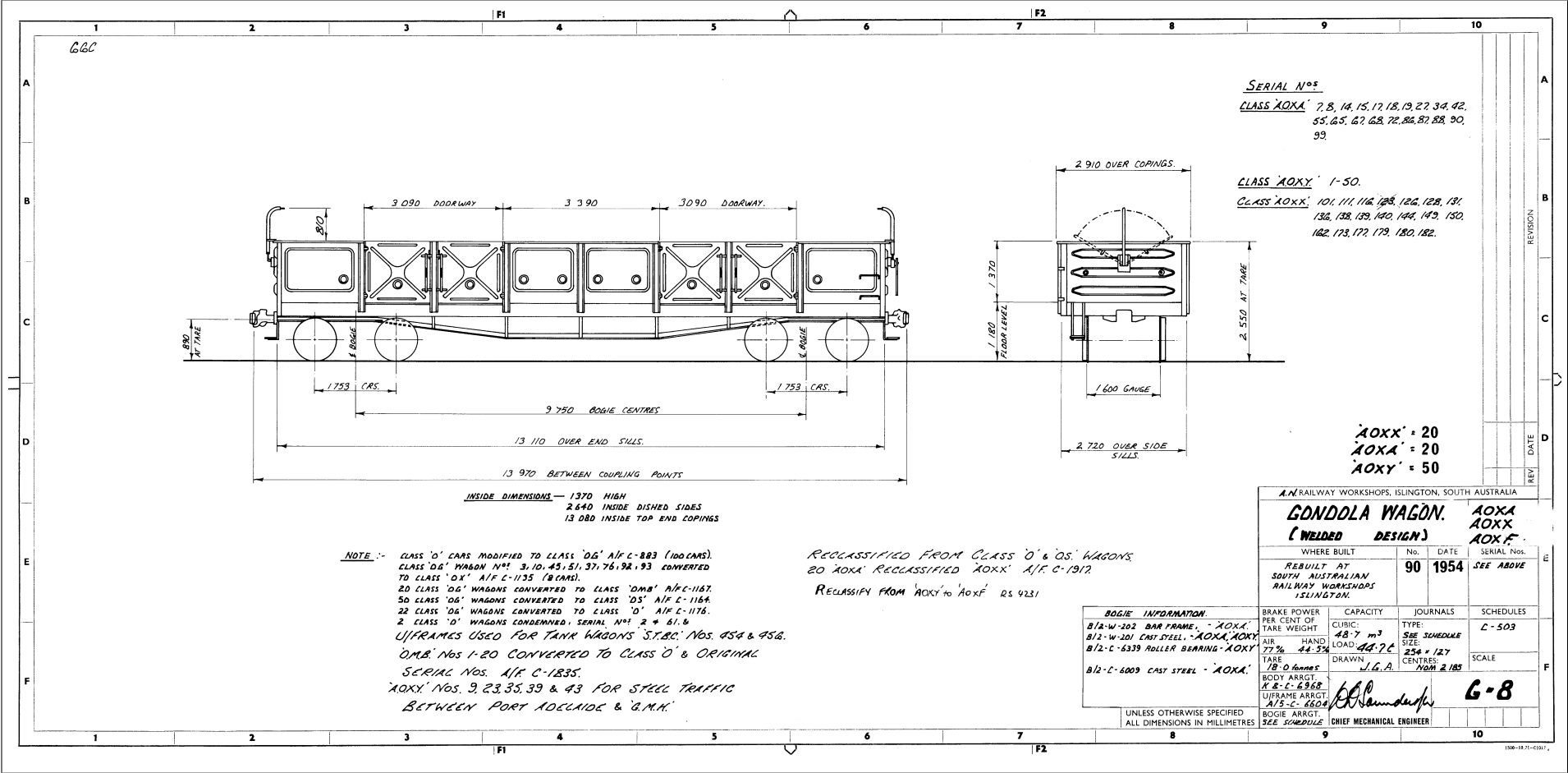
PlanId: g06

6.7 ADWA AQWF AOWL 5 plank Bogie Open Wagon



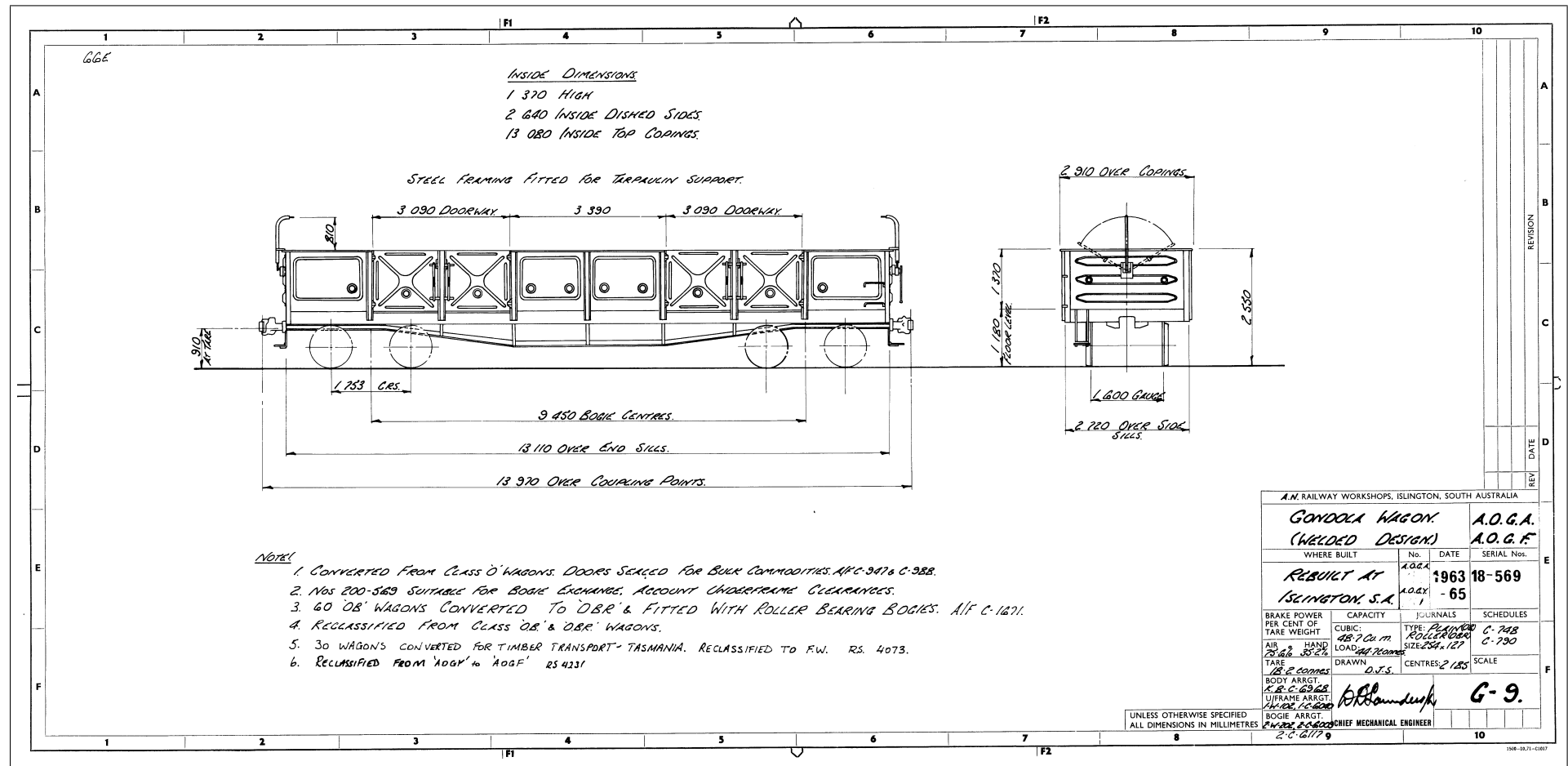
PlanId: g07

6.8 AOXA AOXX AOXF Gondola Wagon



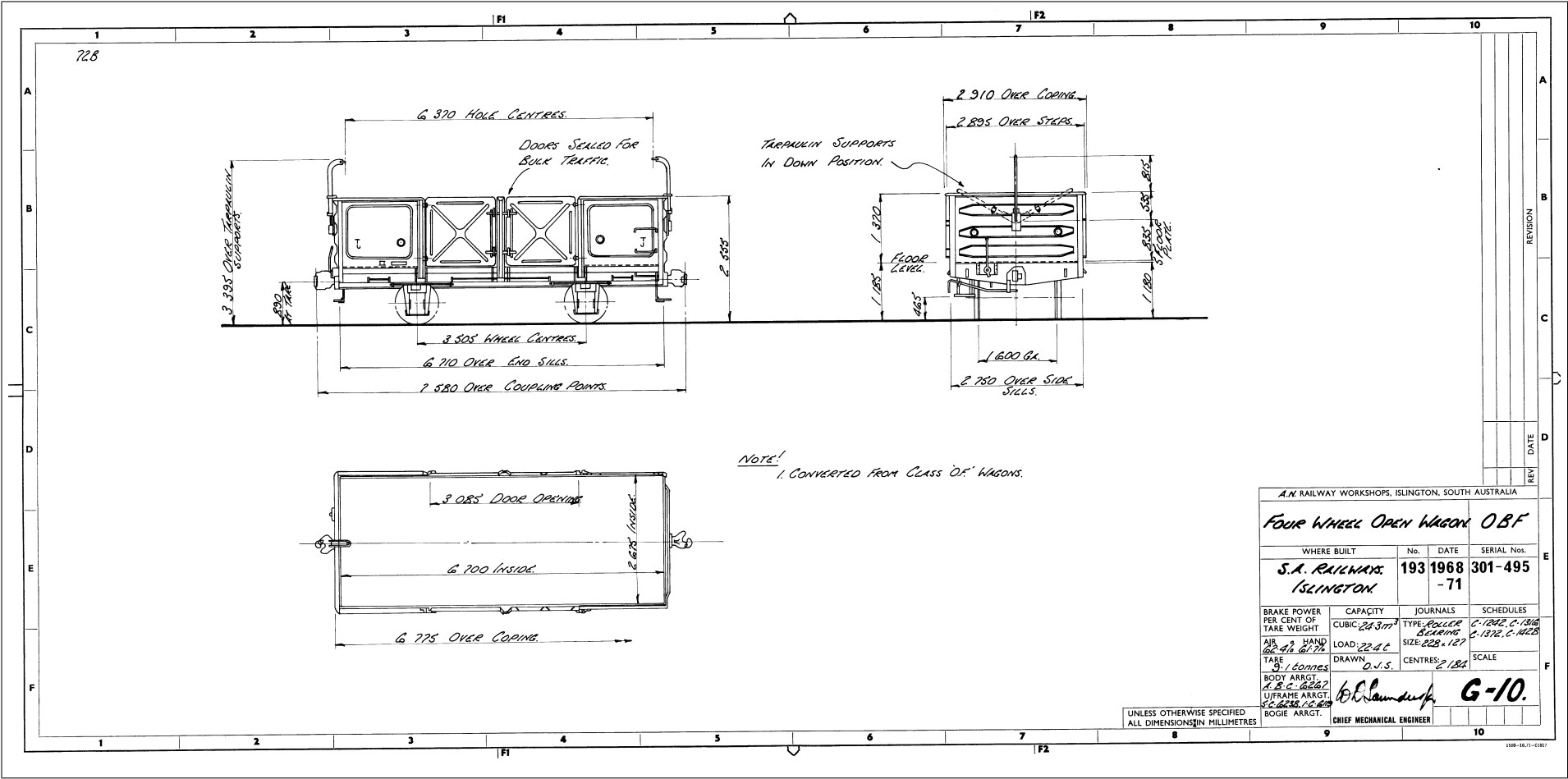
PlanId: g08

6.9 AOGA AOGF Open Wagon Welded Design



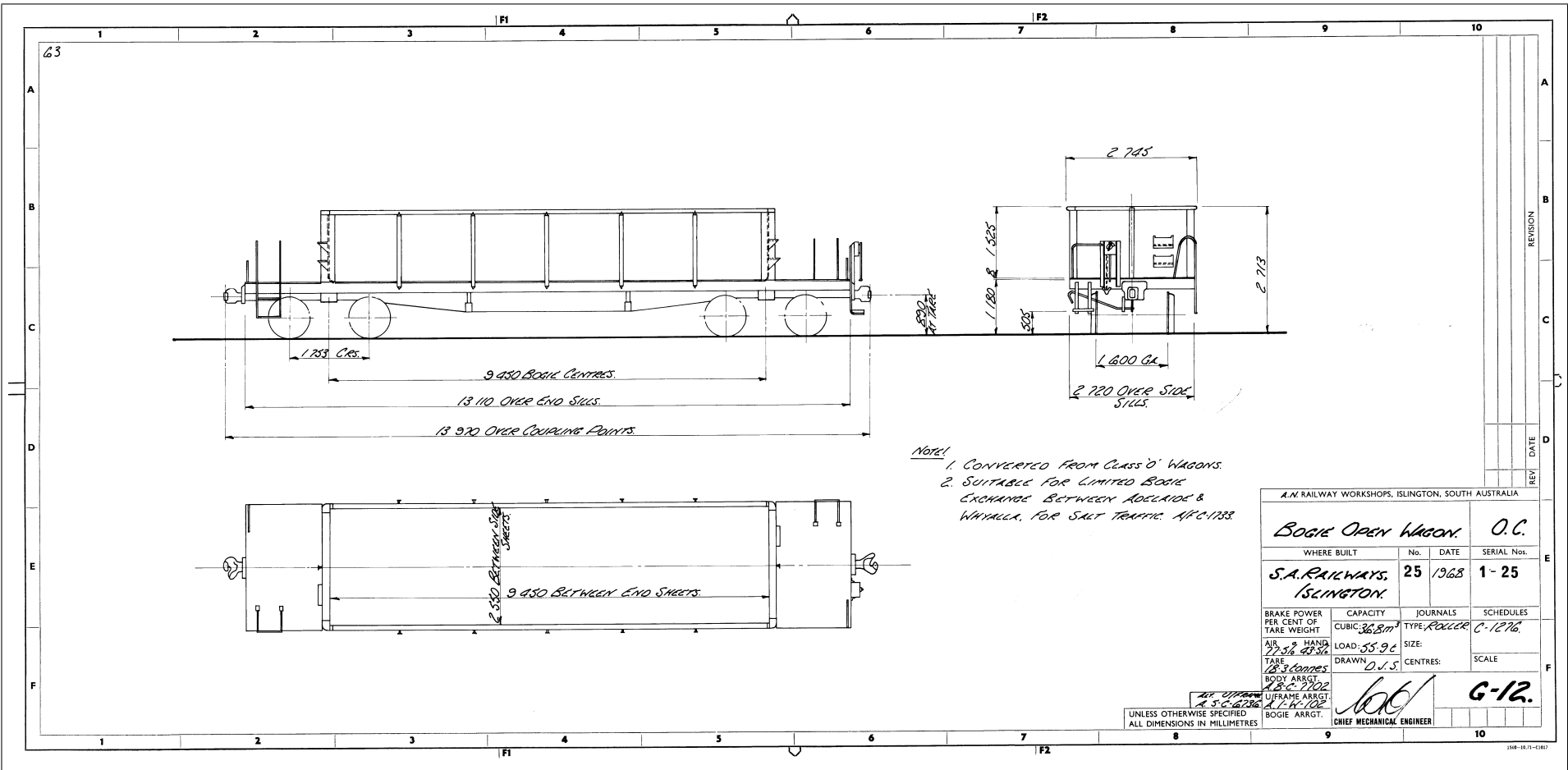
PlanId: g09

6.10 OBF 4 Wheel Open Wagon



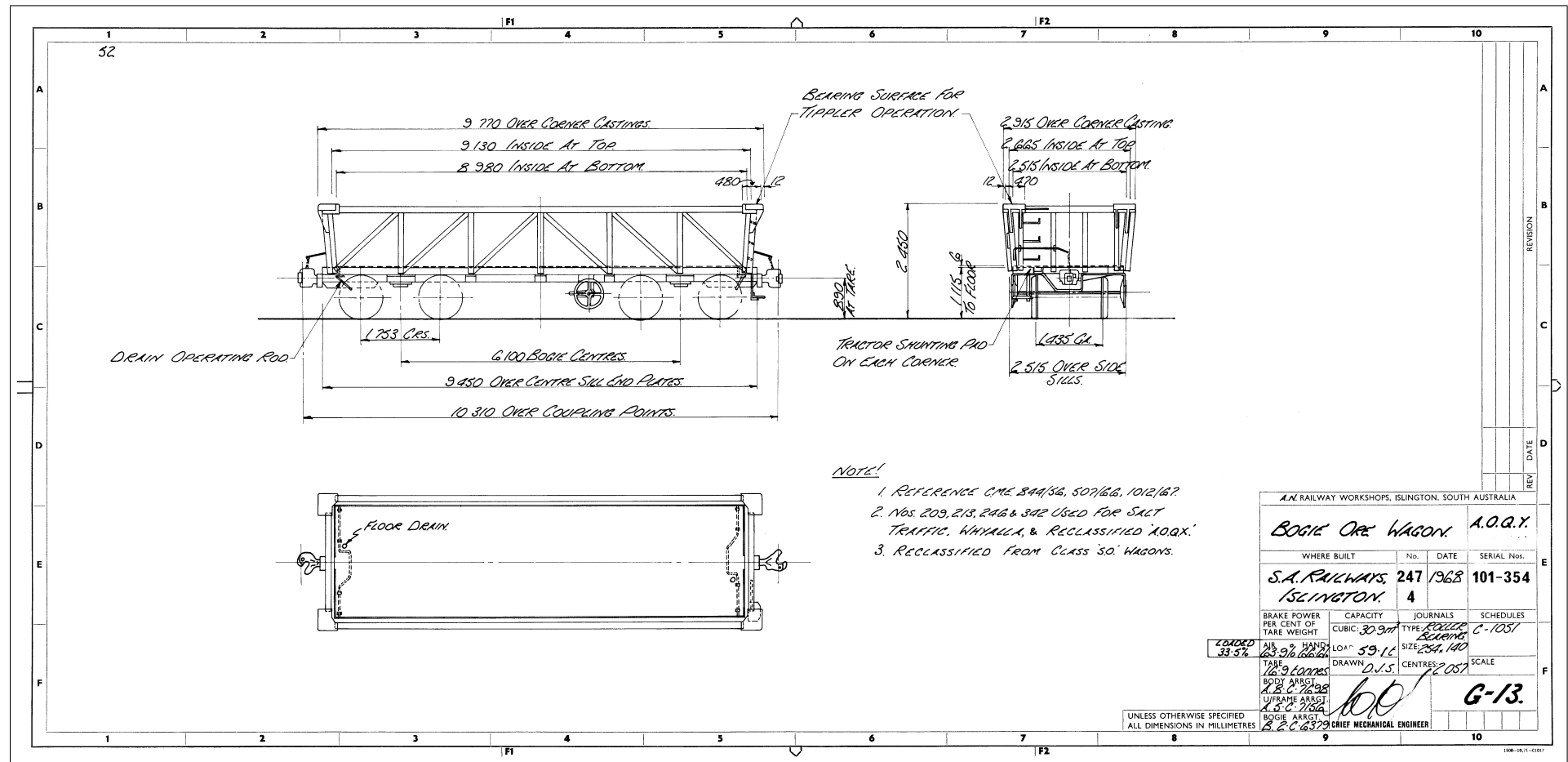
PlanId: g10

6.12 OC Bogie Open Wagon



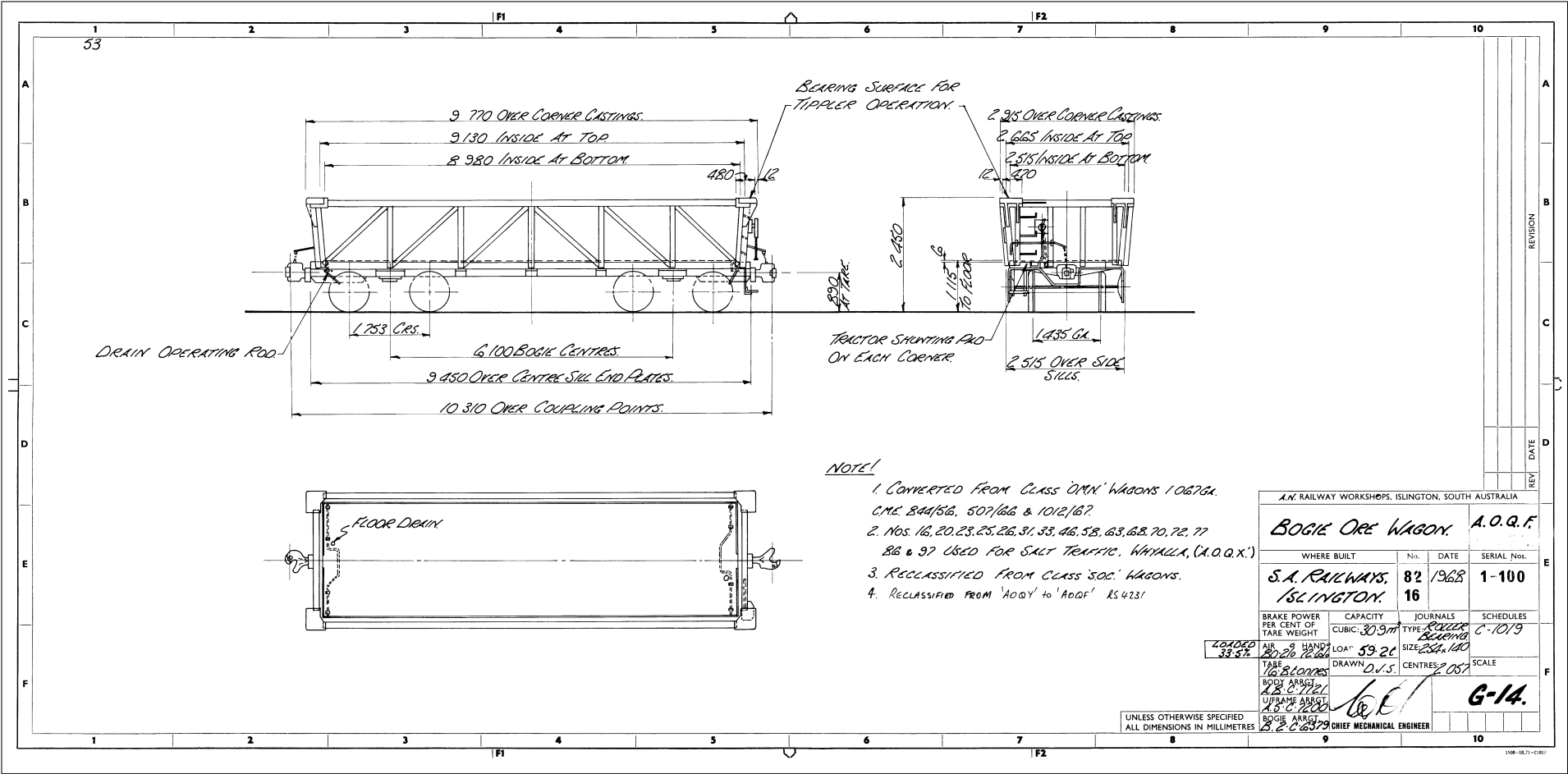
PlanId: g12

6.13 AOQY Bogie Ore Wagon



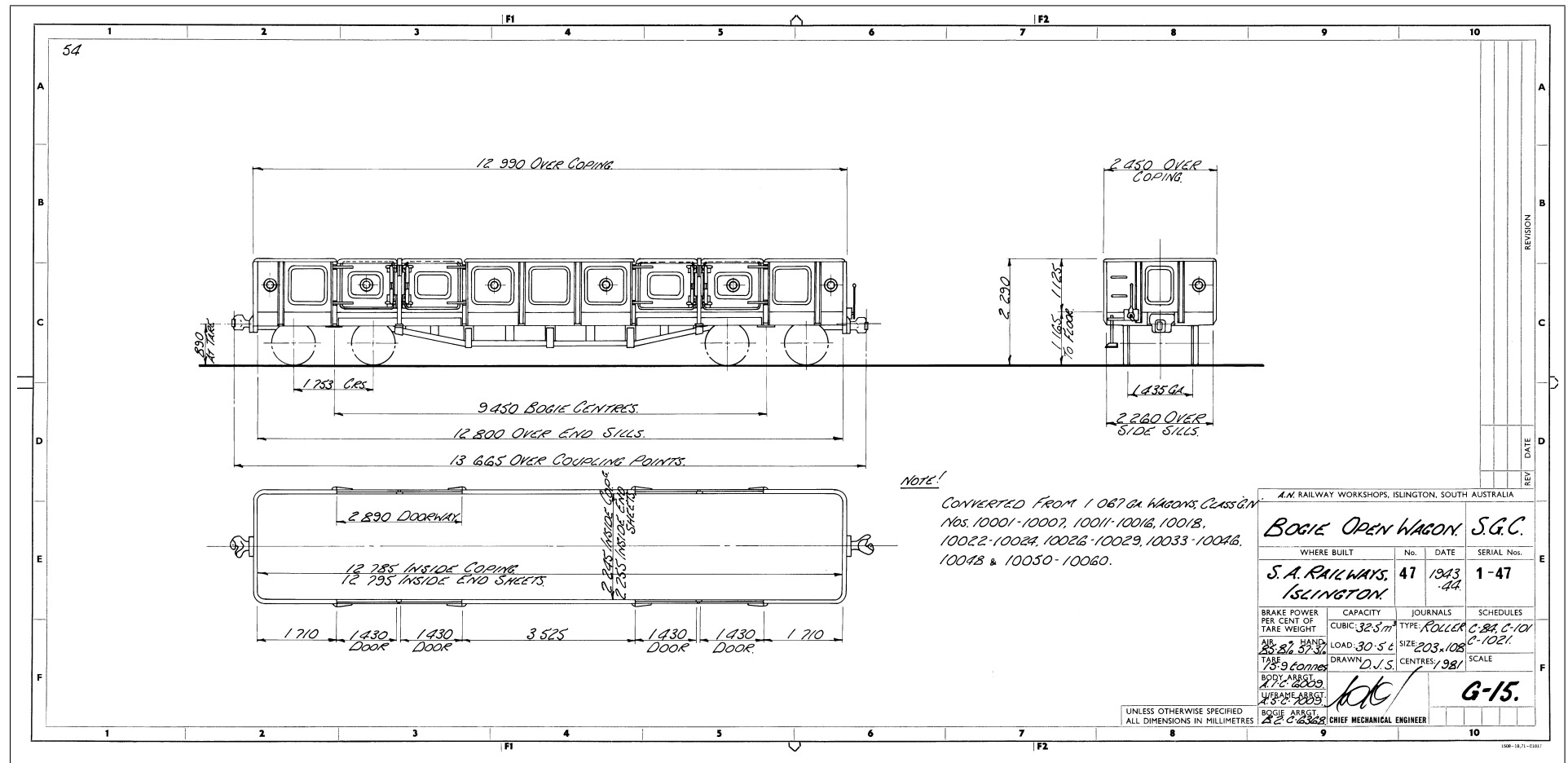
PlanId: g13

6.14 AOQF Bogie Ore Wagon

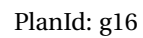


PlanId: g14

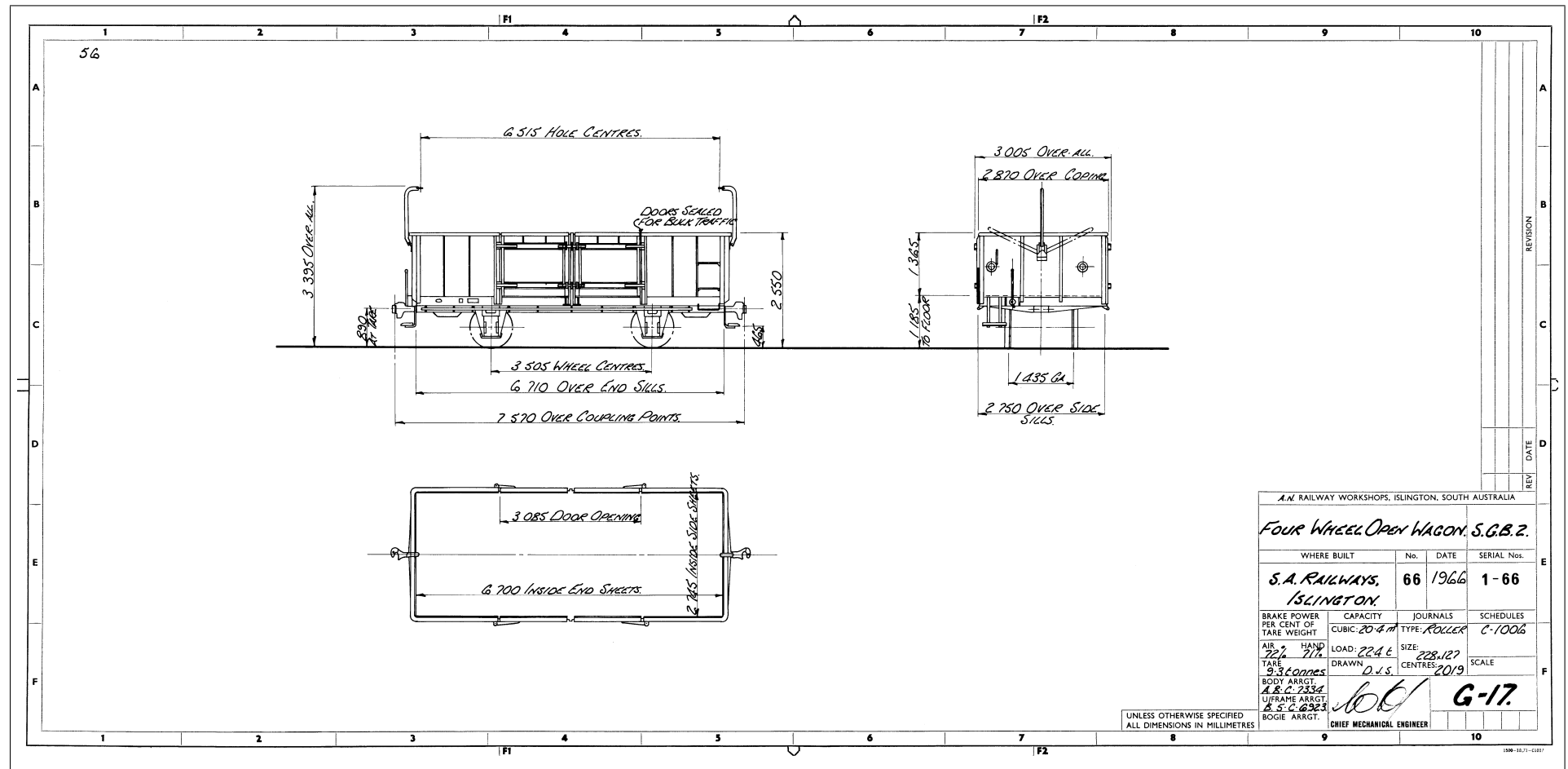
6.15 SGC Bogie Open Wagon



PlanId: g15

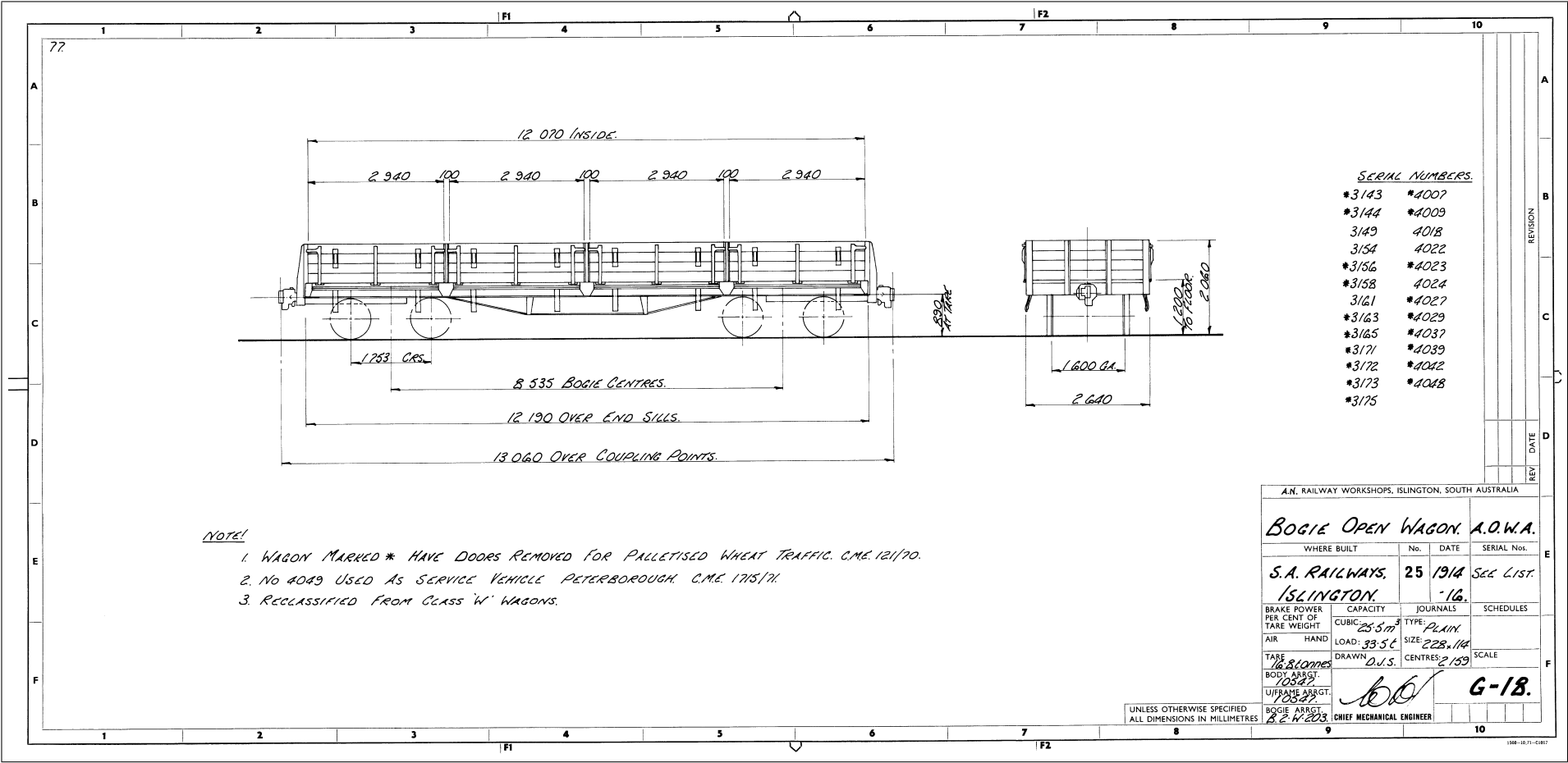


6.17 SGBZ 4 Wheel Open Wagon



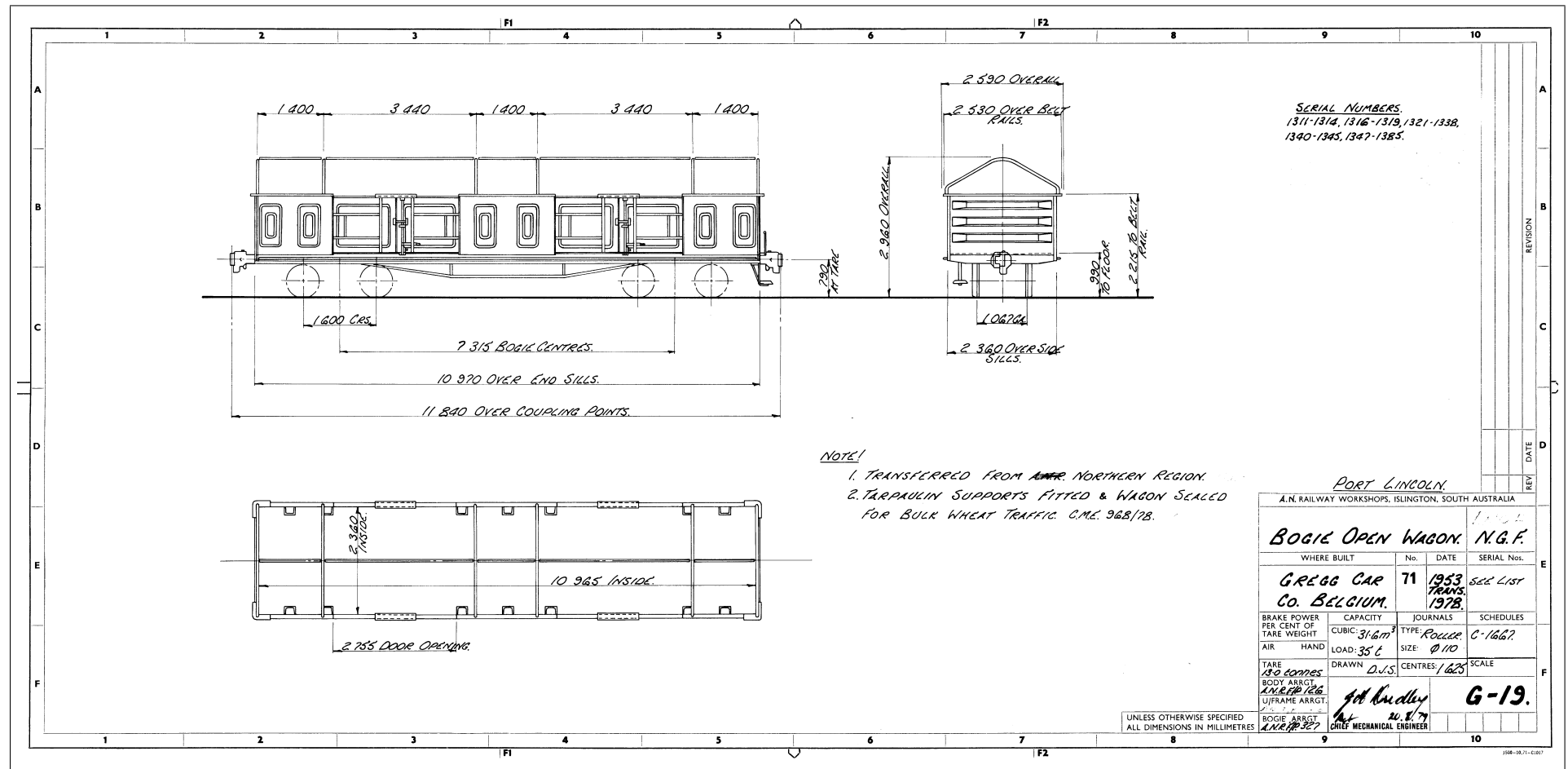
PlanId: g17

6.18 AOWA Bogie Open Wagon 4 Plank



PlanId: g18

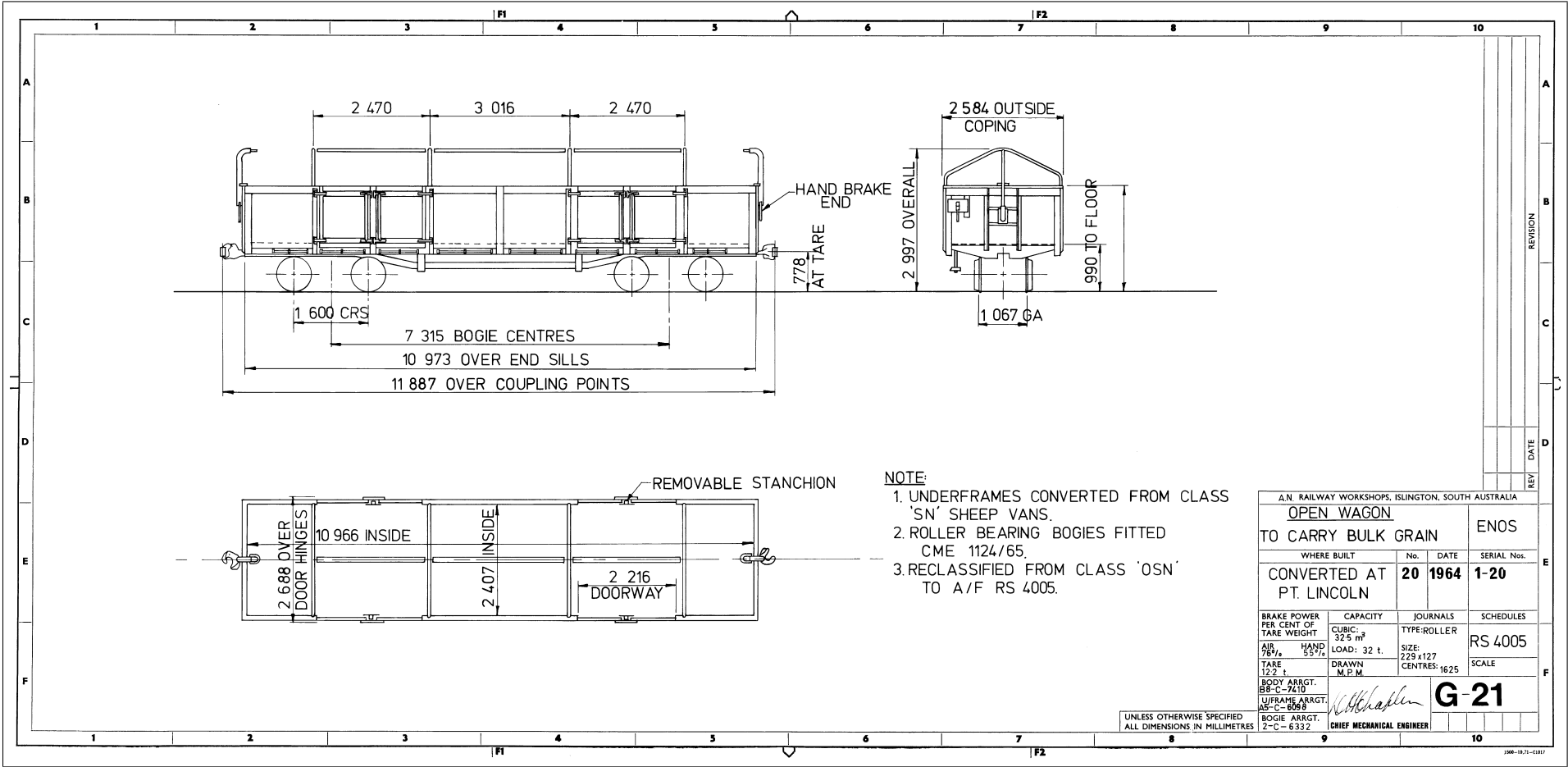
6.19 NGF Bogie Open Wagon



PlanId: g19

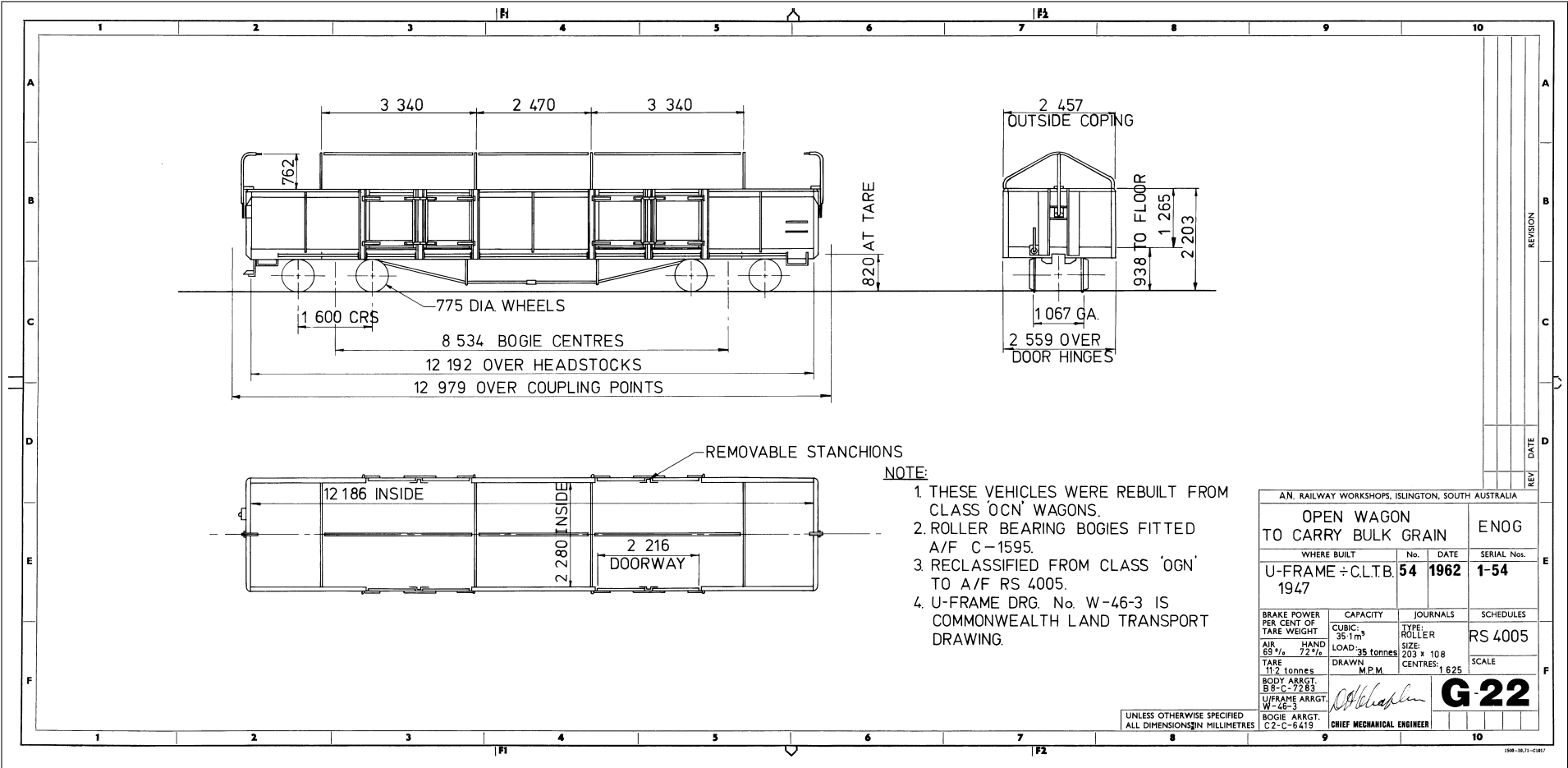


6.21 ENOS Open Wagon to Carry Bulk Grain NG



PlanId: g21

6.22 ENOG Open Wagon to Carry Bulk Grain NG



PlanId: g22



NRM-DB02

CHAPTER

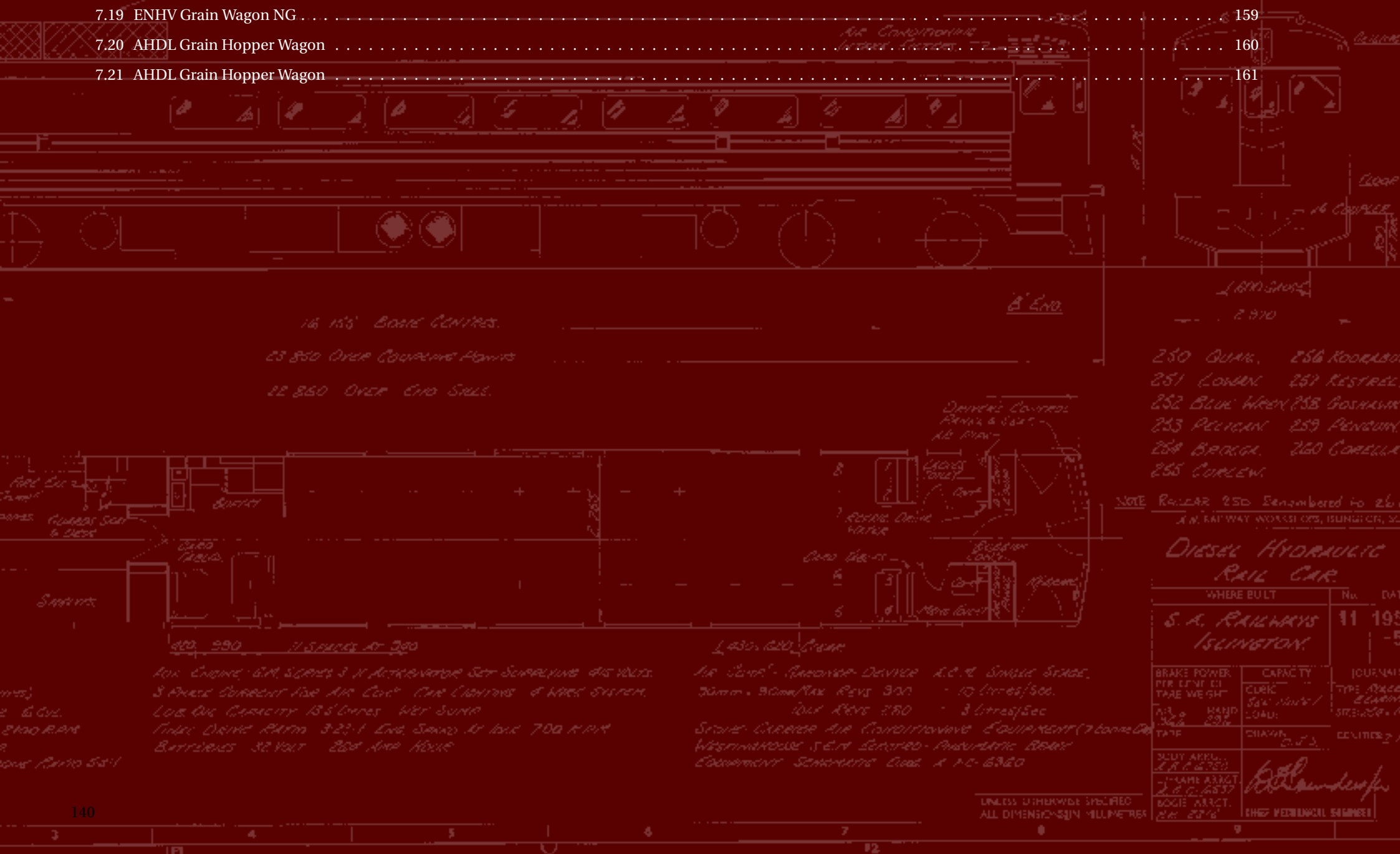
7

HOPPERS (H SERIES)

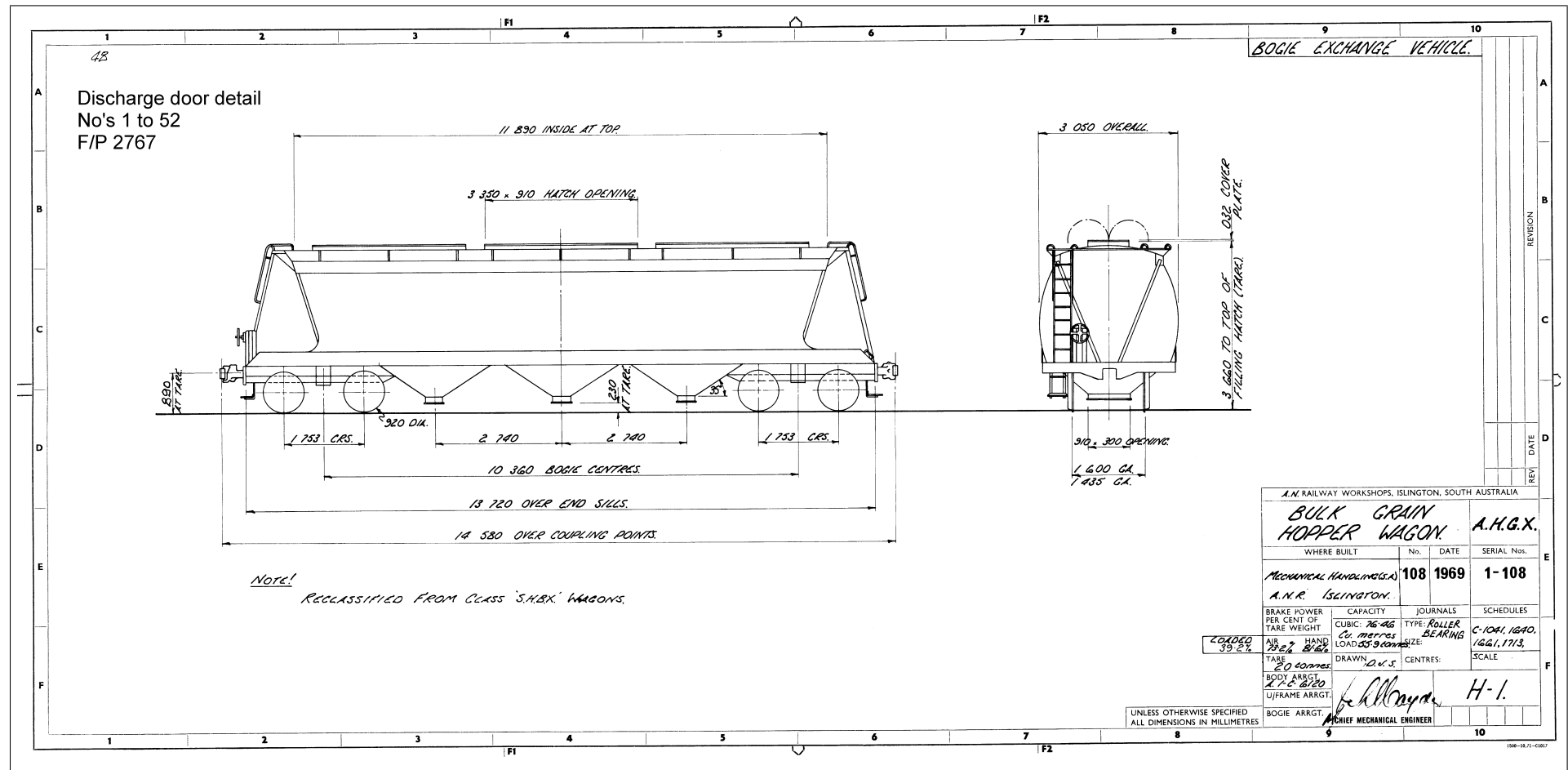
7.1	AHGX Bulk Grain Hopper Wagon	141
7.2	APCX Cement Hopper Wagon	142
7.3	AHWY Ballast Hopper Wagon	143
7.4	AHWY Ballast Hopper Wagon	144
7.5	APAX Cement Hopper Wagon	145
7.6	AHCL Cement Hopper Wagon	146
7.7	AHBF Hopper Wagon	147
7.8	AHAY Hopper Wagon	148
7.9	APCY Cement Hopper Wagon	149
7.10	AHSF Hopper Wagon	150
7.11	HCN Bulk Grain Hopper Wagon NG	151
7.12	NHA Hopper Wagon NG	152
7.13	NR Hopper Wagon NG	153
7.14	HN Hopper Wagon NG	154
7.15	AHHH Grain Hopper Wagon	155
7.16	HAN Aluminium Bulk Grain Hopper Wagon NG	156
7.17	HBN Ballast Hopper Wagon NG	157

7. HOPPERS (H SERIES)

- 7.18 ENHG Wheat Hopper Wagon NG 158
- 7.19 ENHV Grain Wagon NG 159
- 7.20 AHDL Grain Hopper Wagon 160
- 7.21 AHDL Grain Hopper Wagon 161

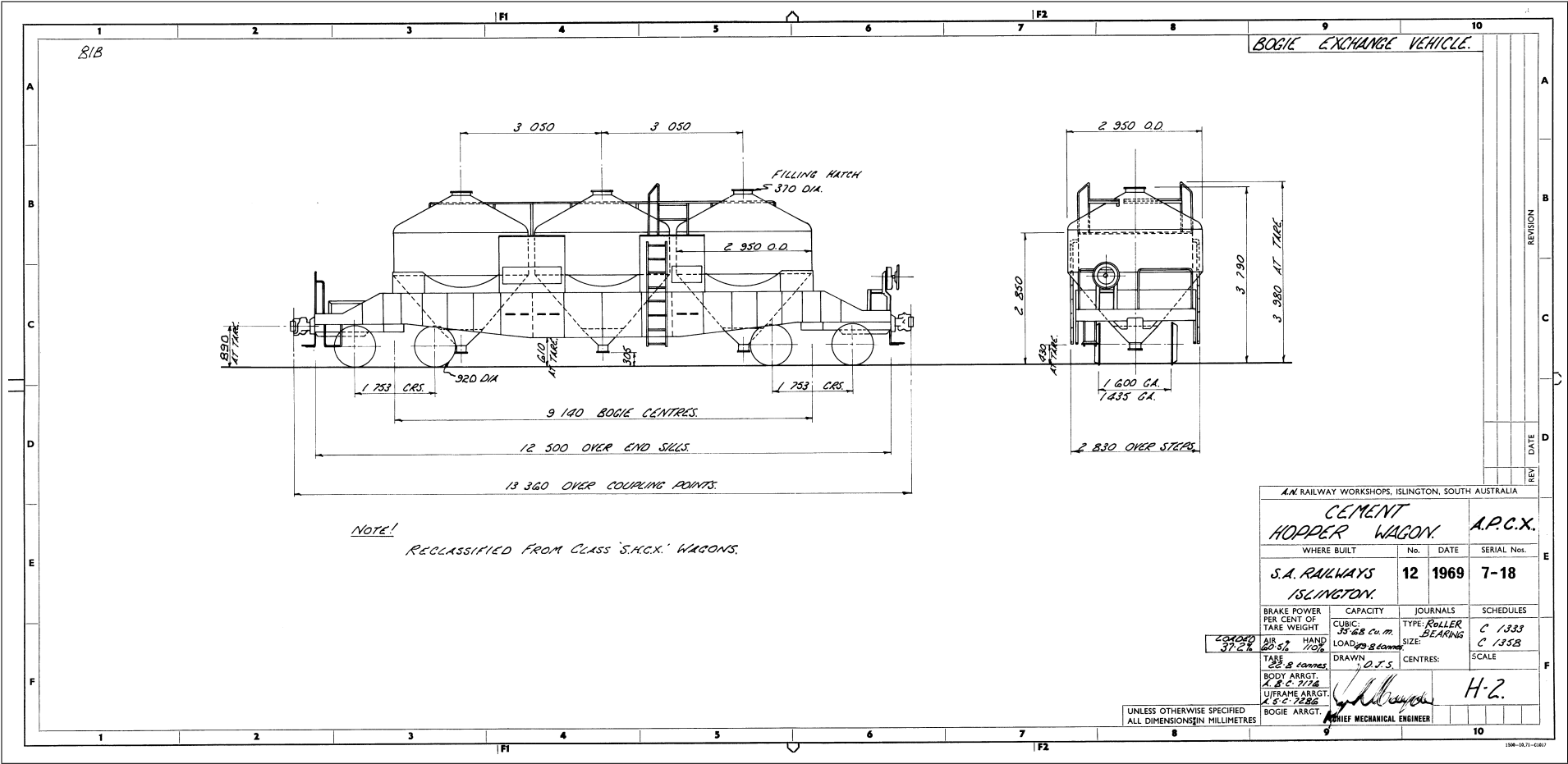


7.1 AHGX Bulk Grain Hopper Wagon



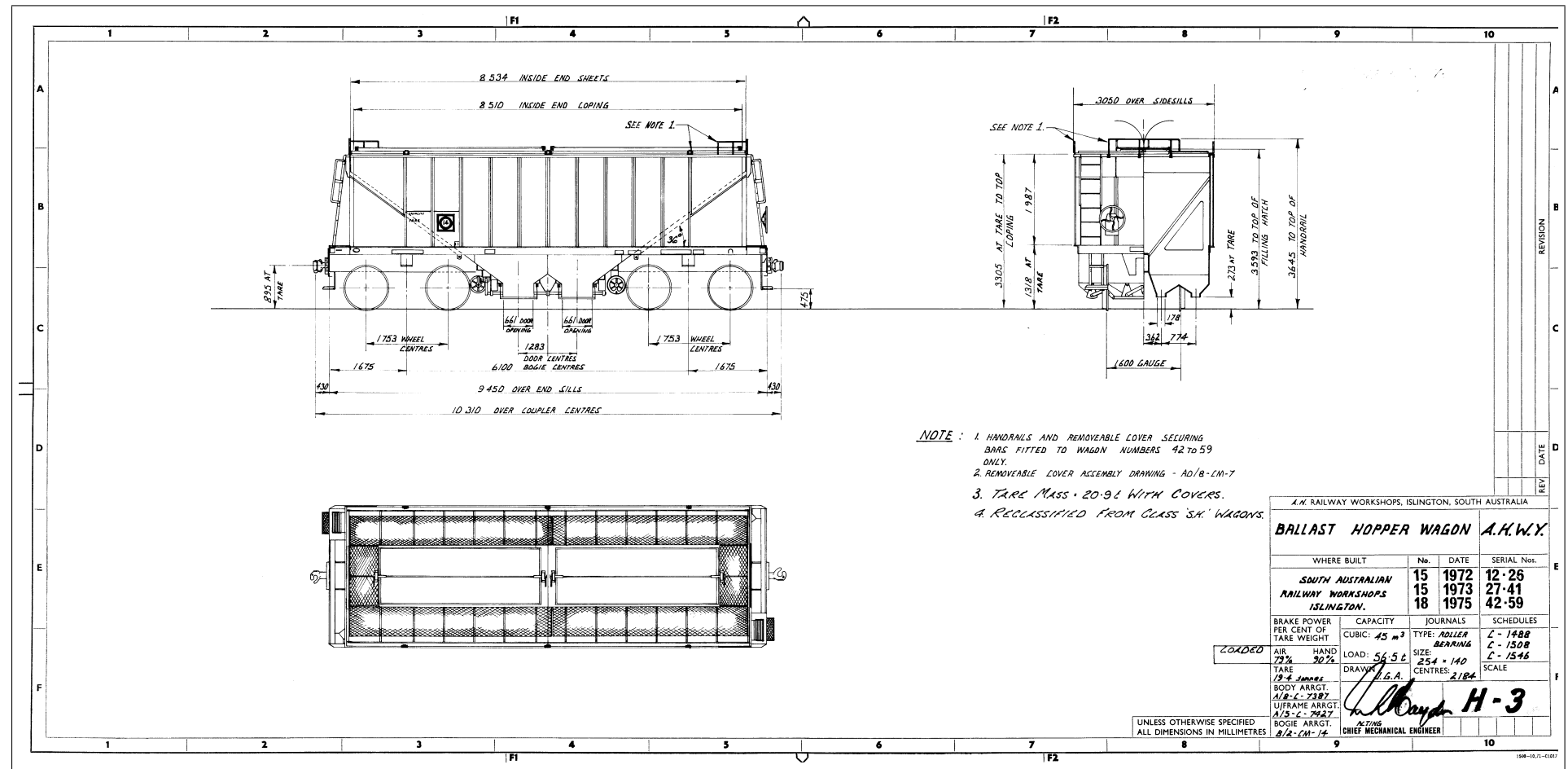
PlanId: h01

7.2 APCX Cement Hopper Wagon



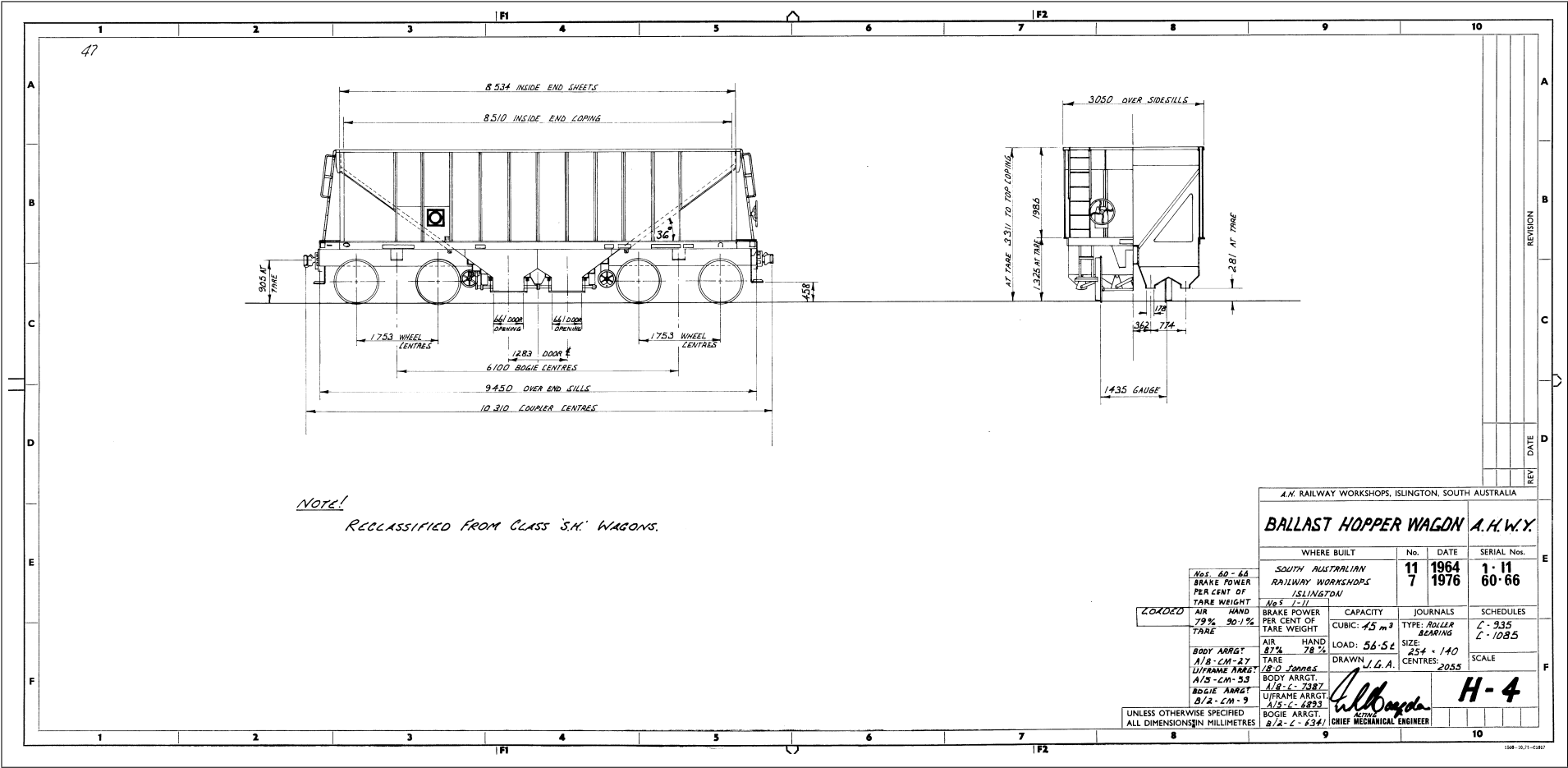
PlanId: h02

7.3 AHWY Ballast Hopper Wagon



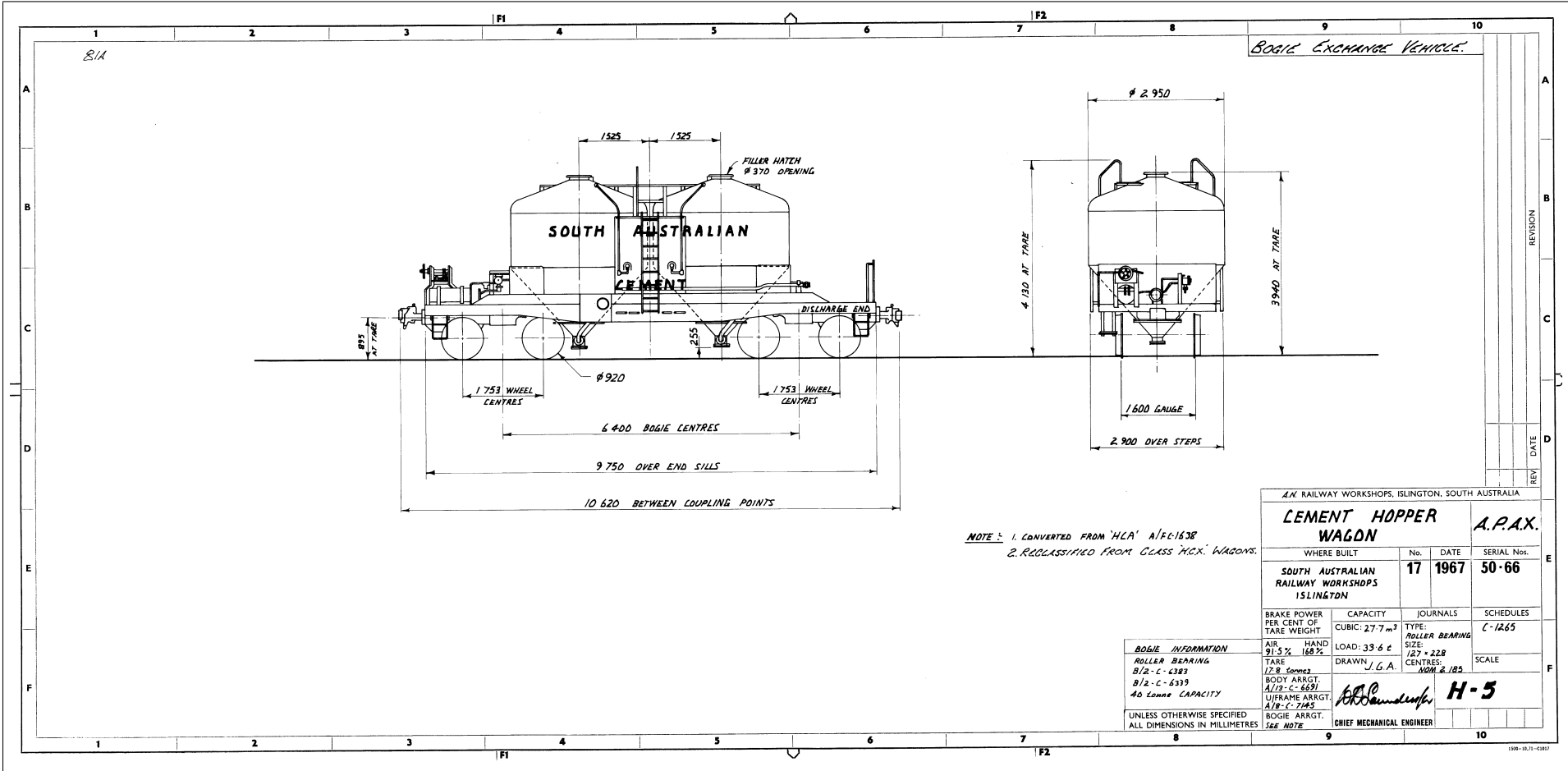
PlanId: h03

7.4 AHWY Ballast Hopper Wagon



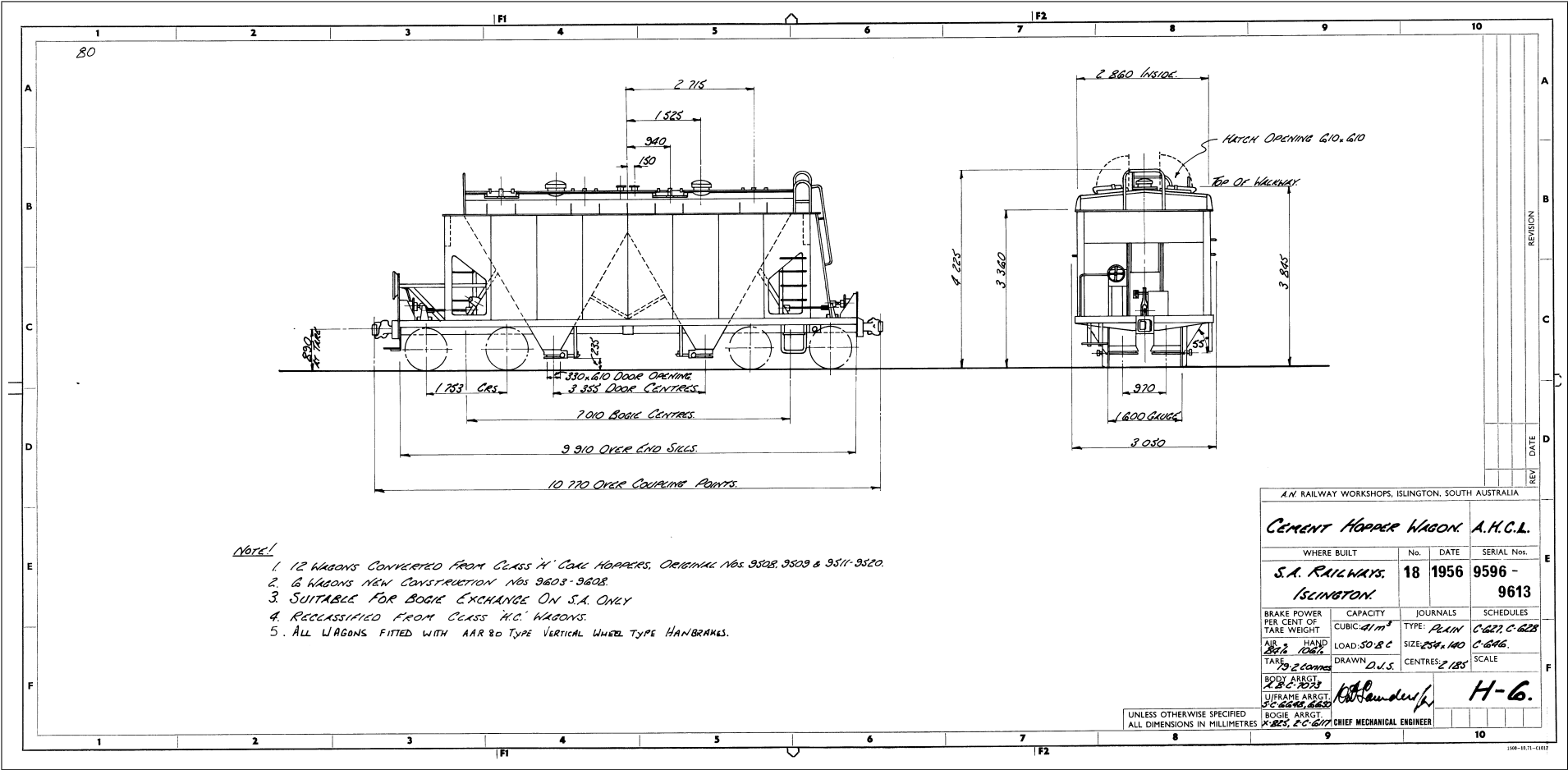
PlanId: h04

7.5 APAX Cement Hopper Wagon



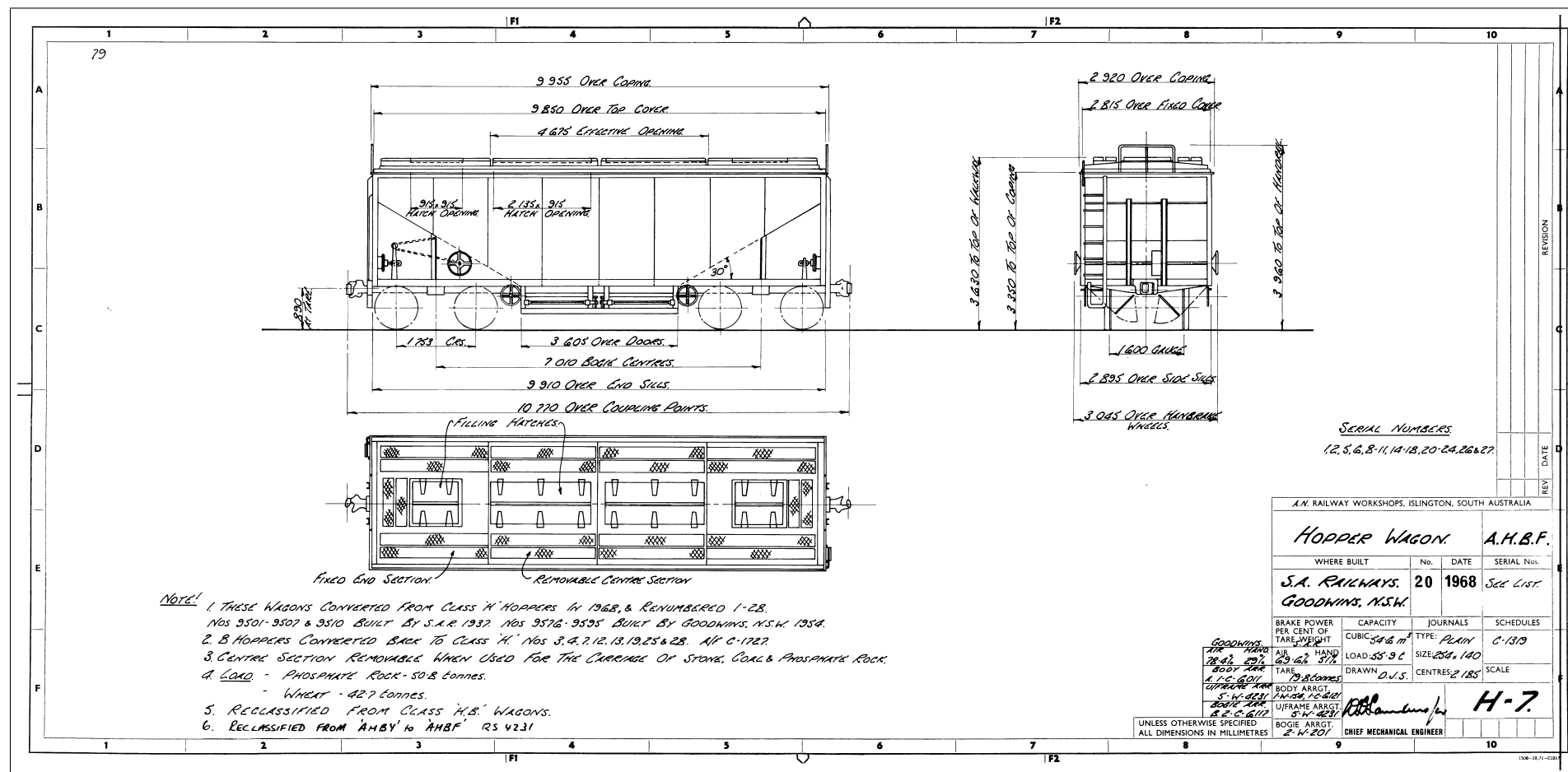
PlanId: h05

7.6 AHCL Cement Hopper Wagon



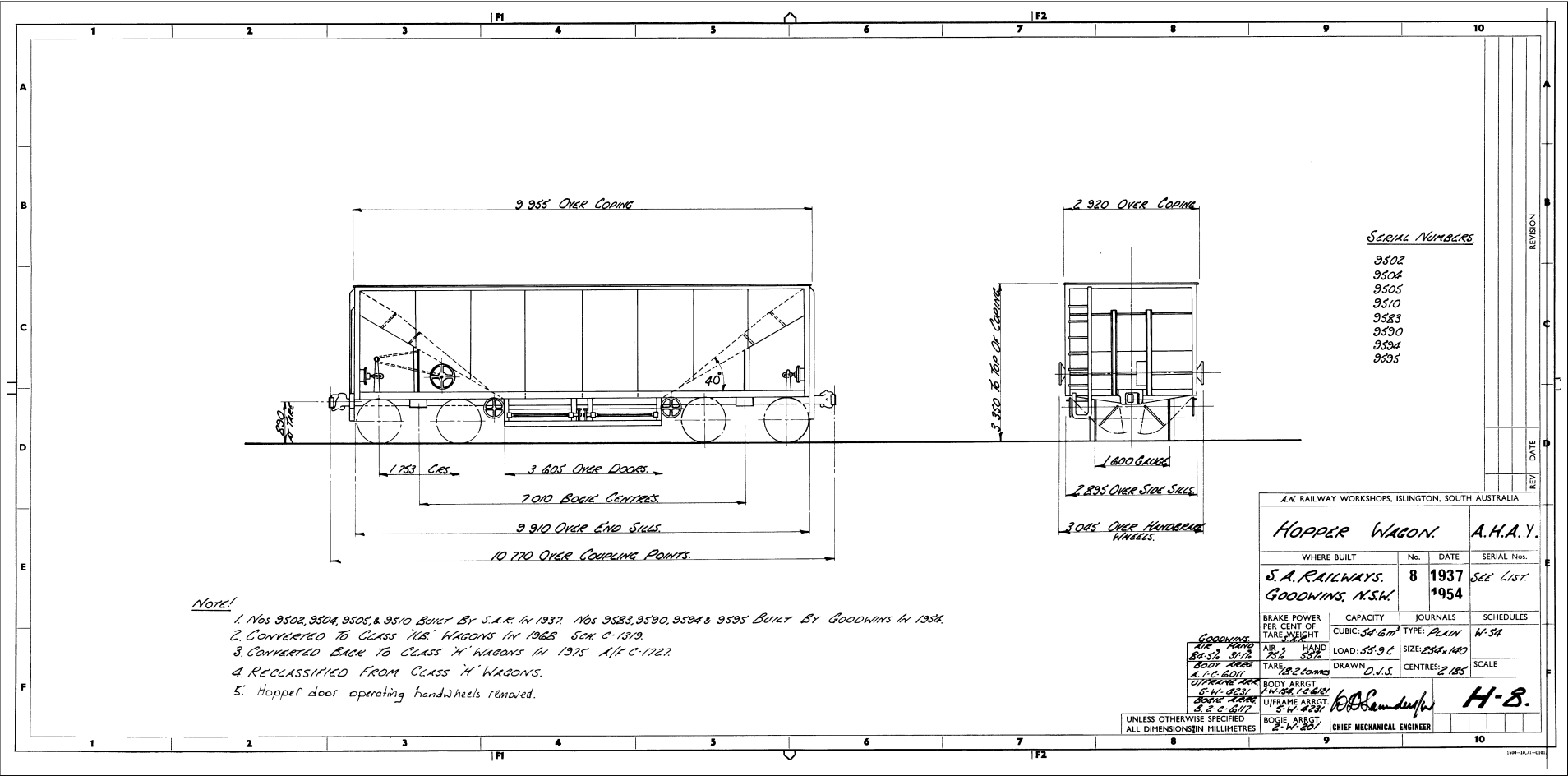
PlanId: h06

7.7 AHBF Hopper Wagon



PlanId: h07

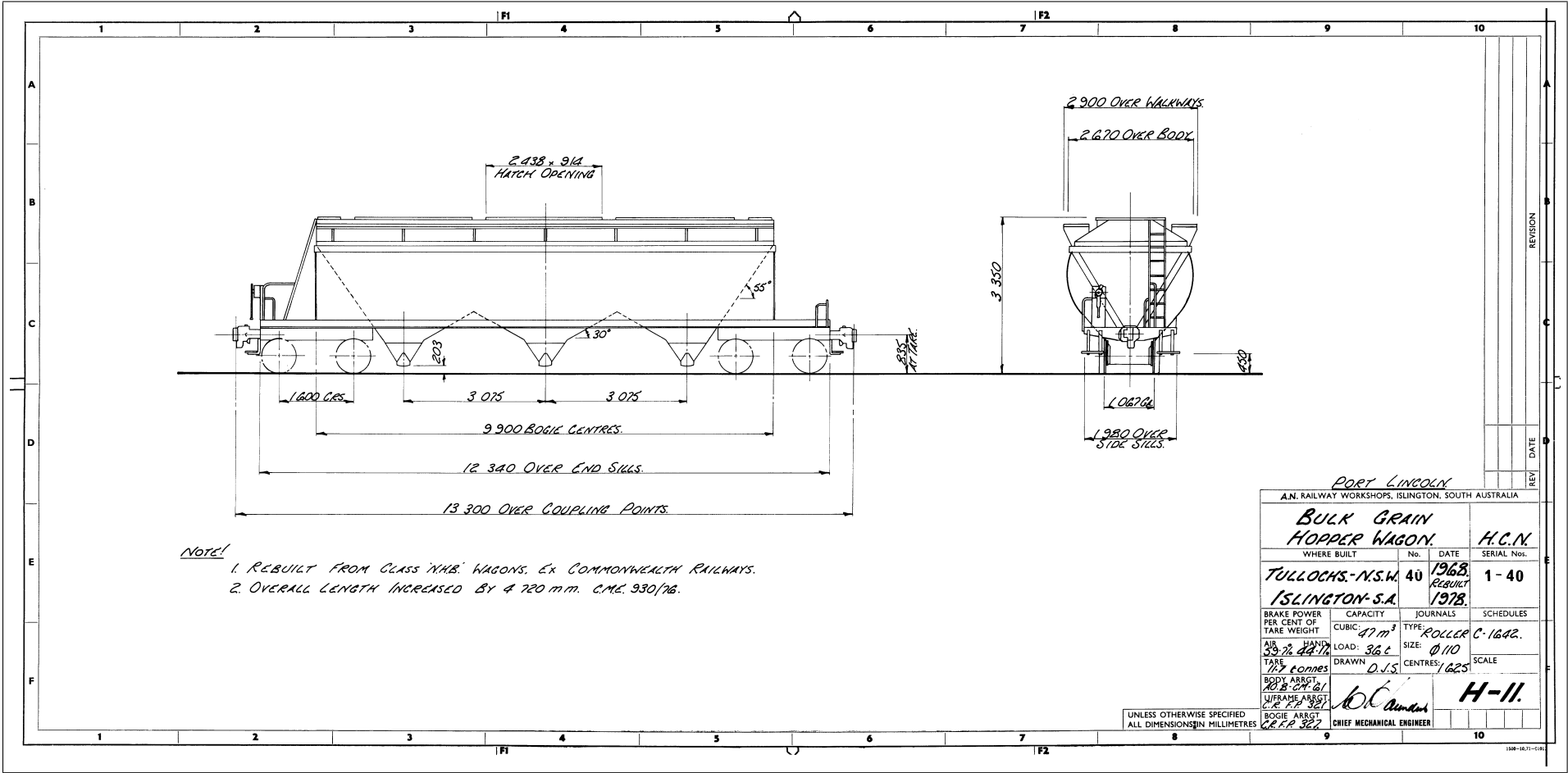
7.8 AHAY Hopper Wagon



PlanId: h08

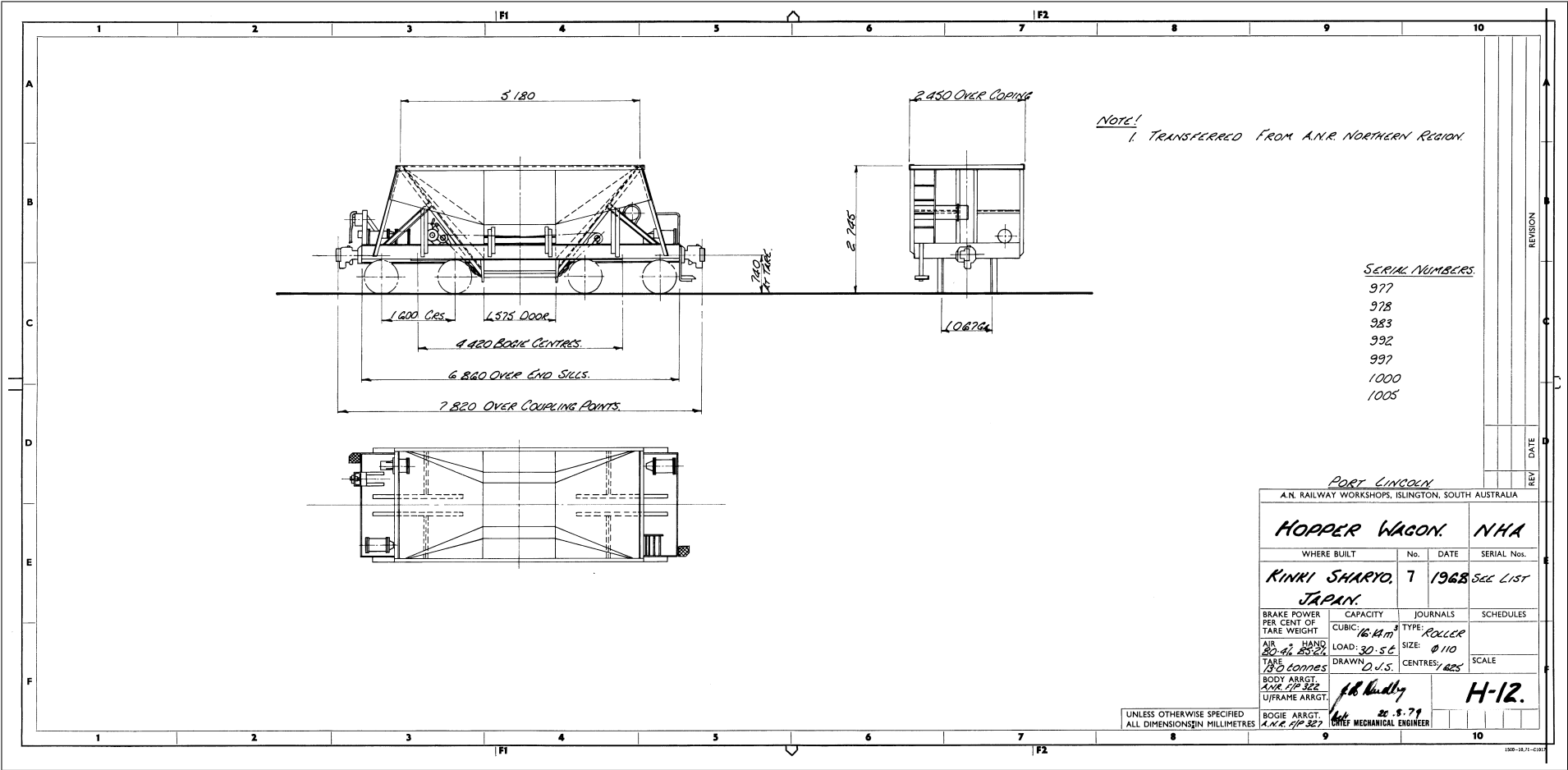


7.11 HCN Bulk Grain Hopper Wagon NG



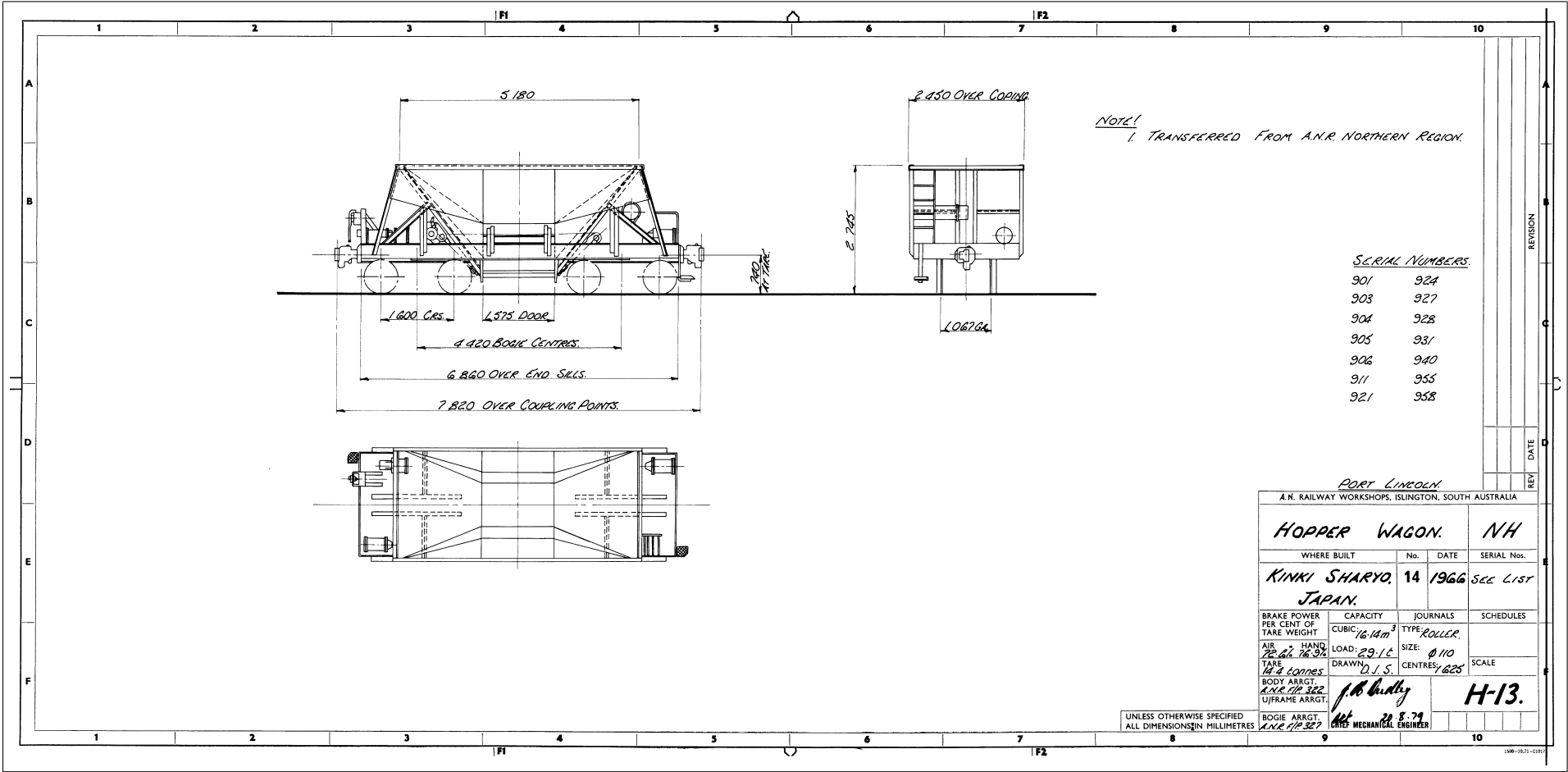
PlanId: h11

7.12 NHA Hopper Wagon NG



PlanId: h12

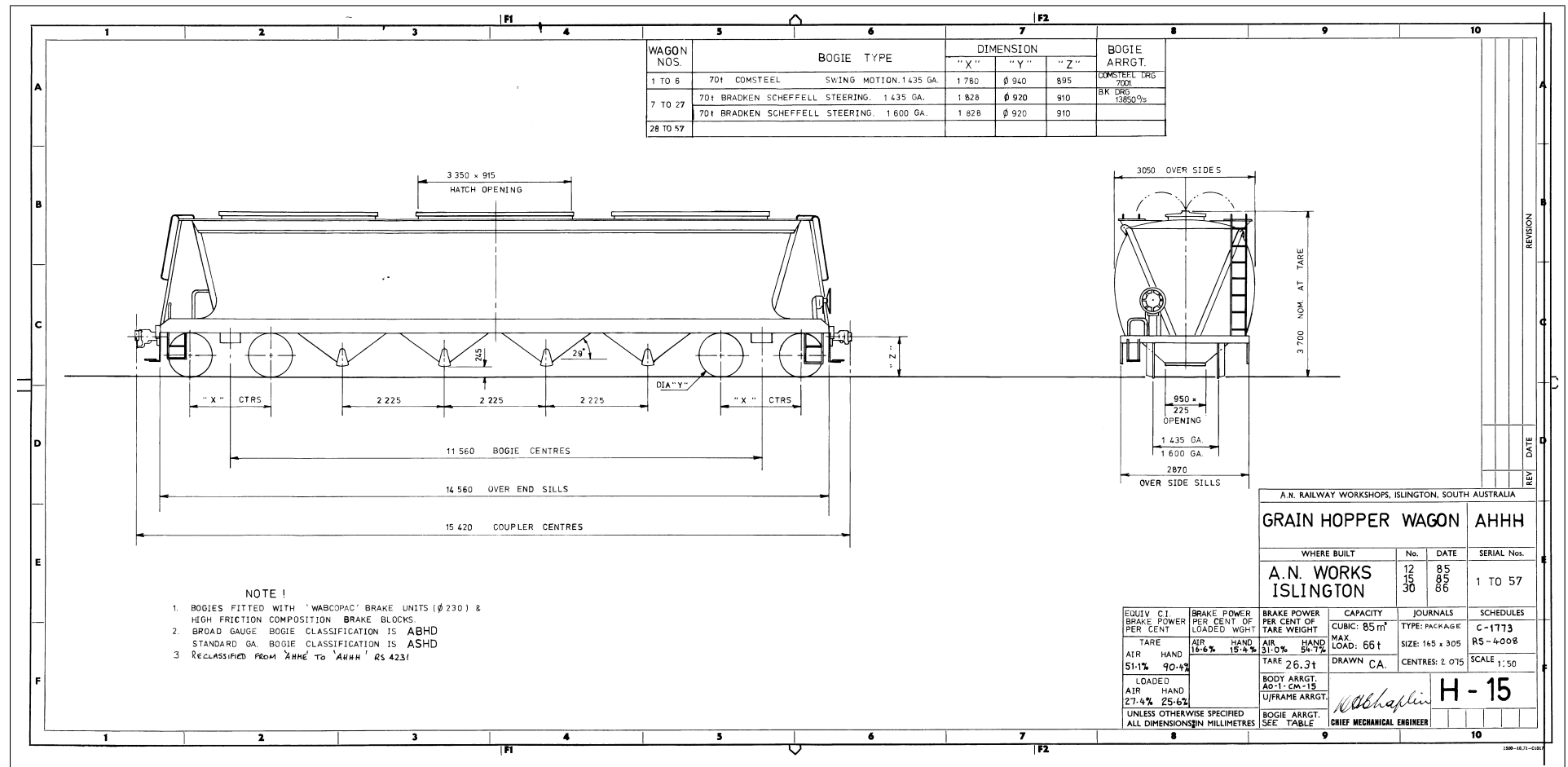
7.13 NR Hopper Wagon NG



PlanId: h13

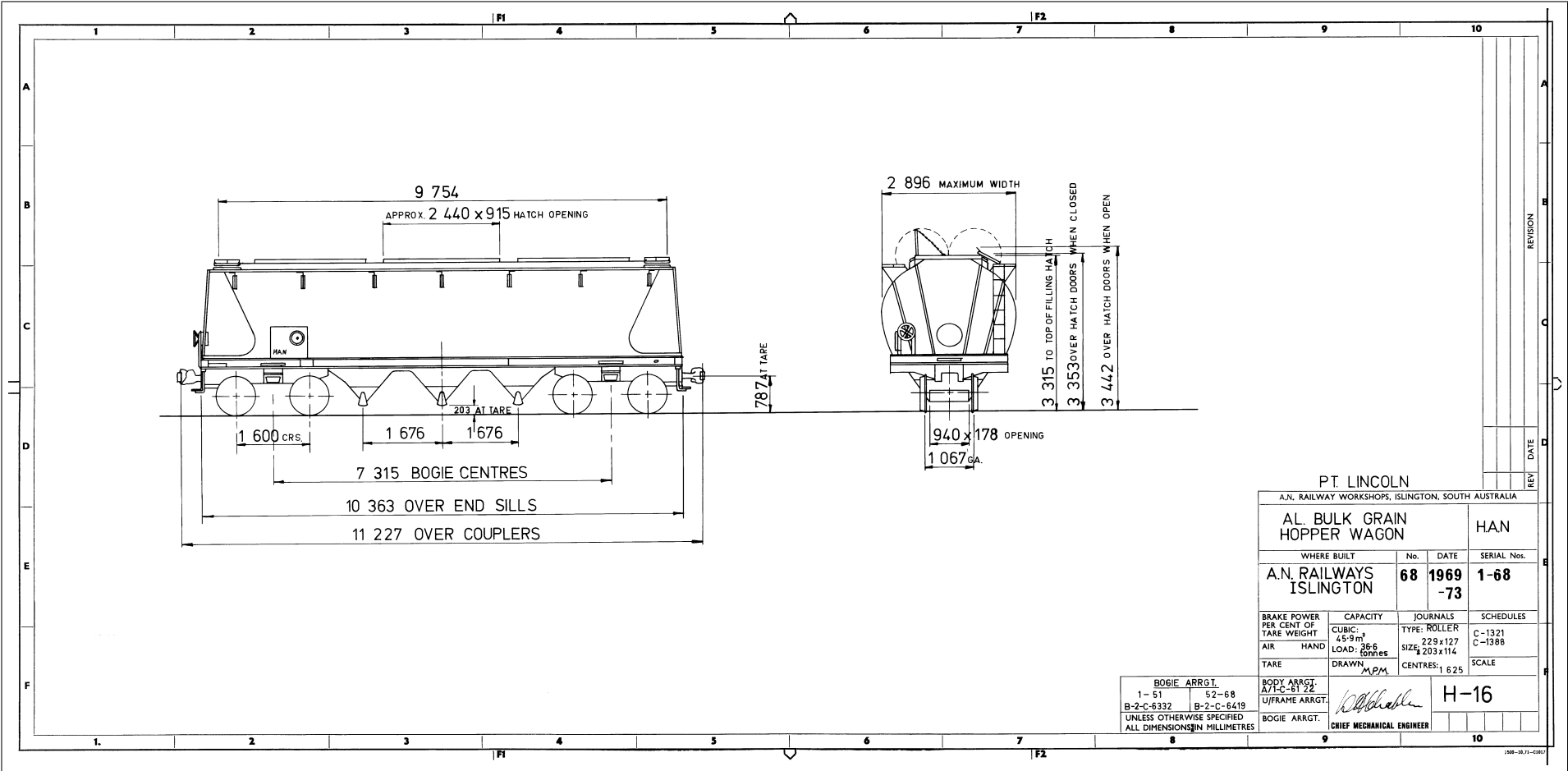


7.15 AHHH Grain Hopper Wagon



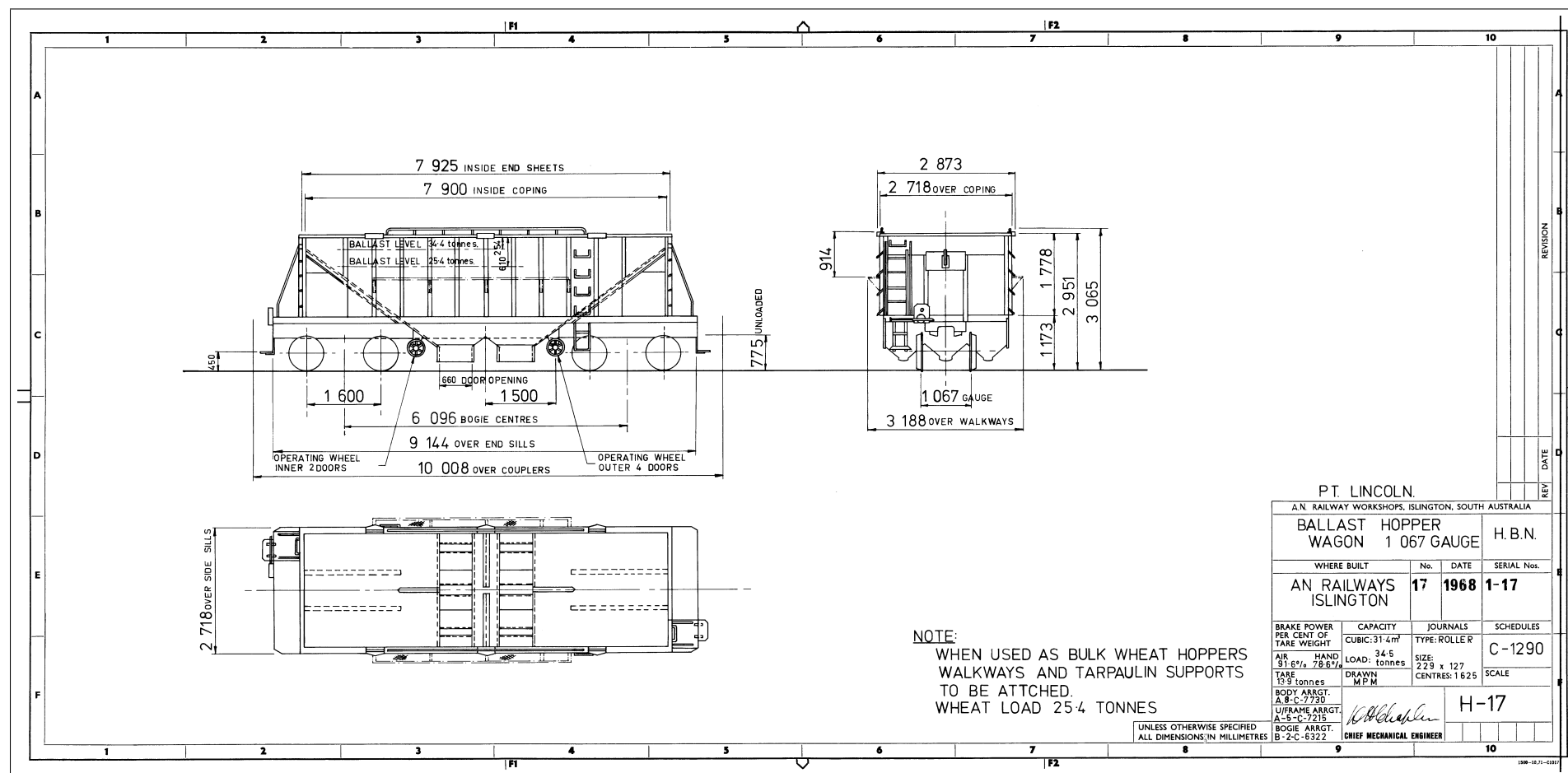
PlanId: h15

7.16 HAN Aluminium Bulk Grain Hopper Wagon NG



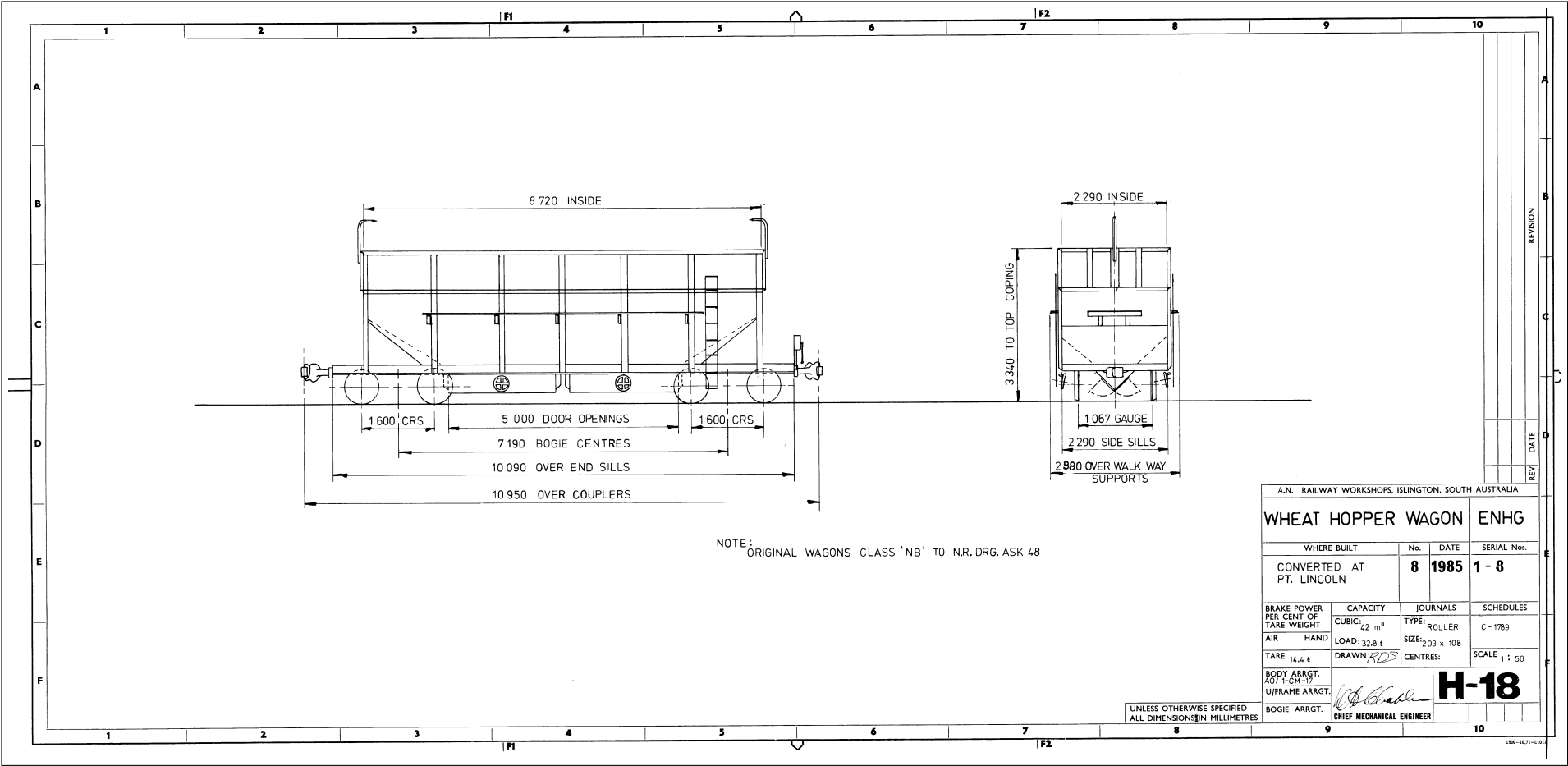
PlanId: h16

7.17 HBN Ballast Hopper Wagon NG



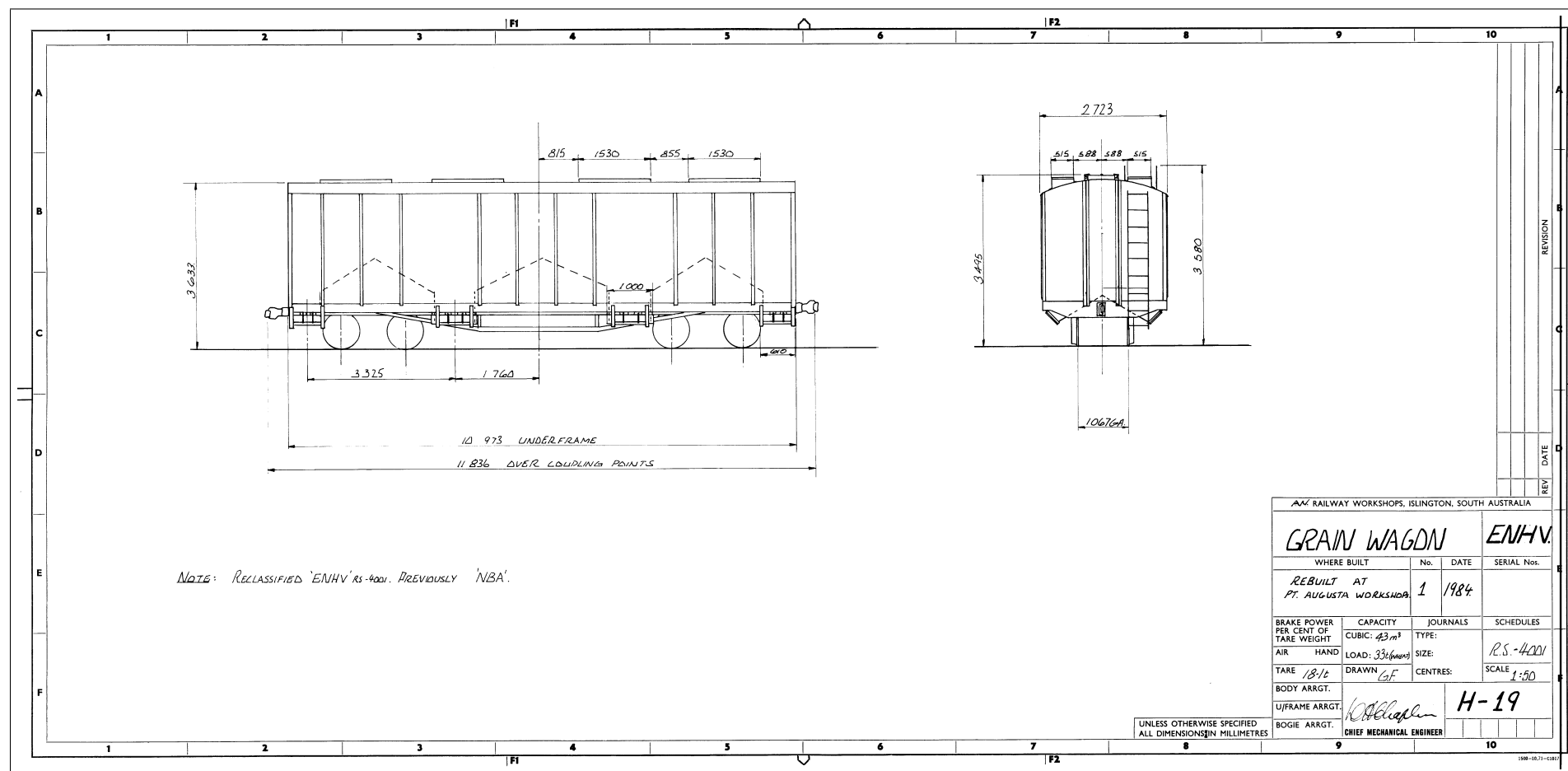
PlanId: h17

7.18 ENHG Wheat Hopper Wagon NG



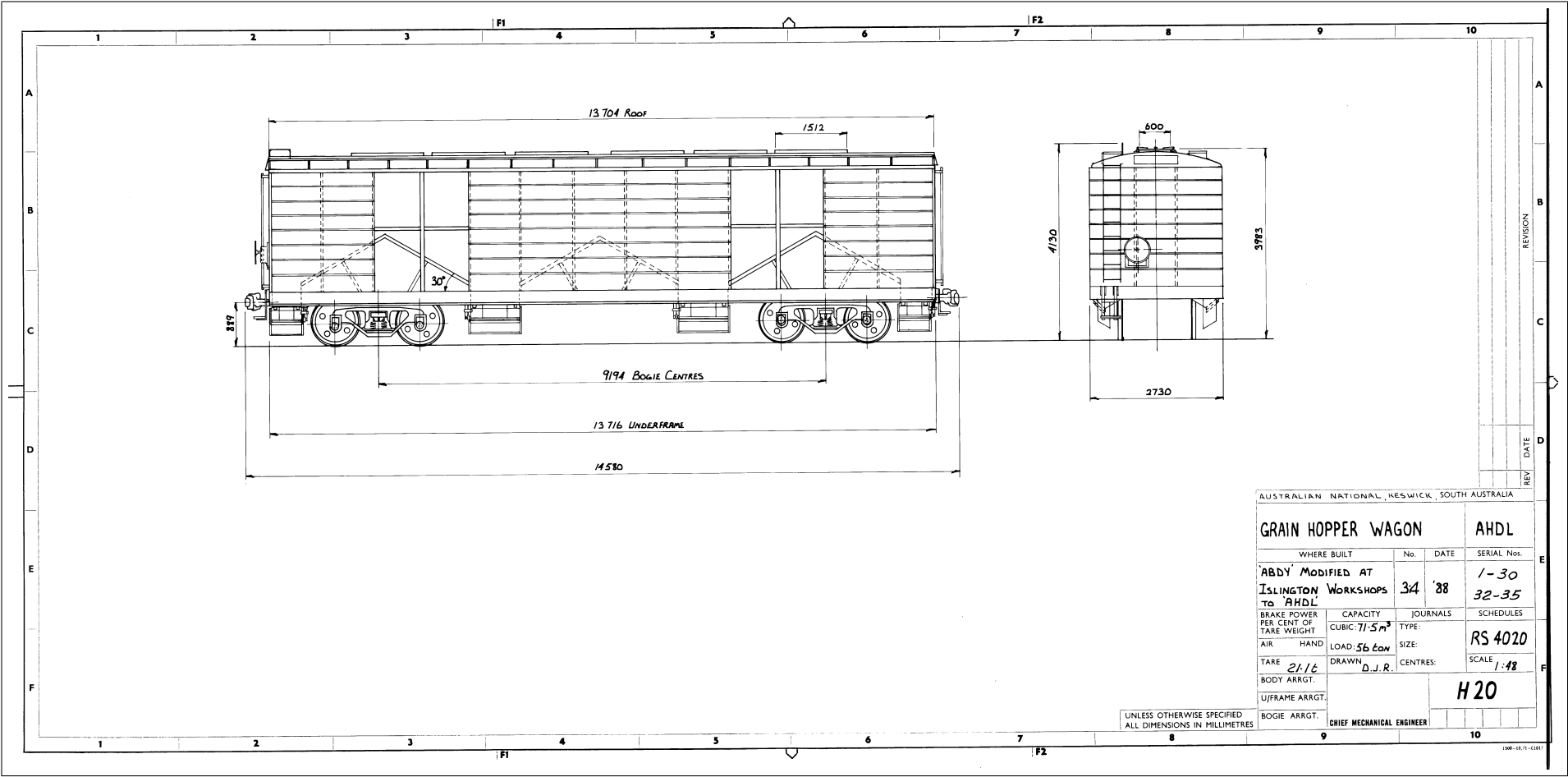
PlanId: h18

7.19 ENHV Grain Wagon NG



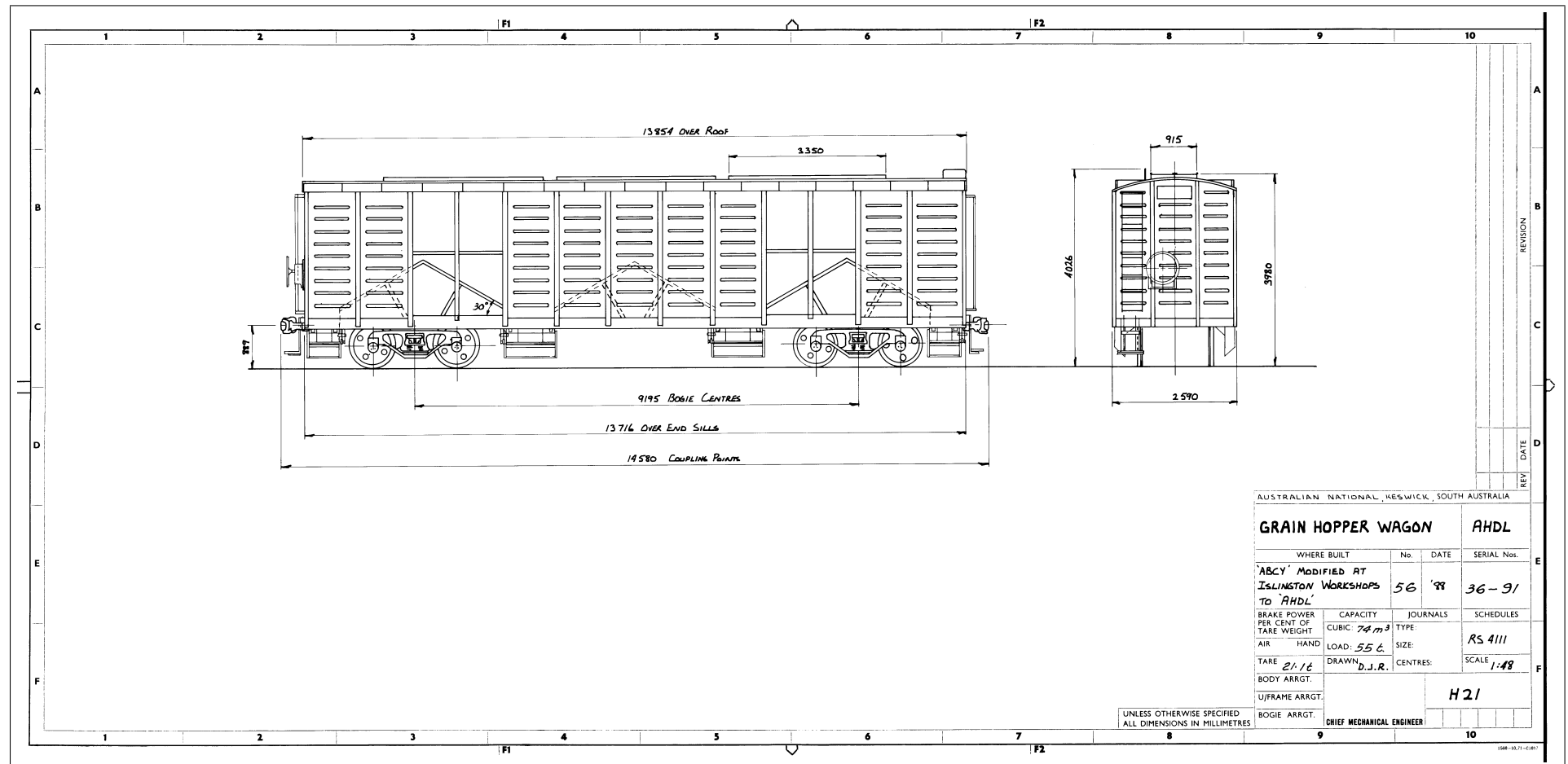
PlanId: h19

7.20 AHDL Grain Hopper Wagon



PlanId: h20

7.21 AHDL Grain Hopper Wagon



PlanId: h21



NRM-DB02

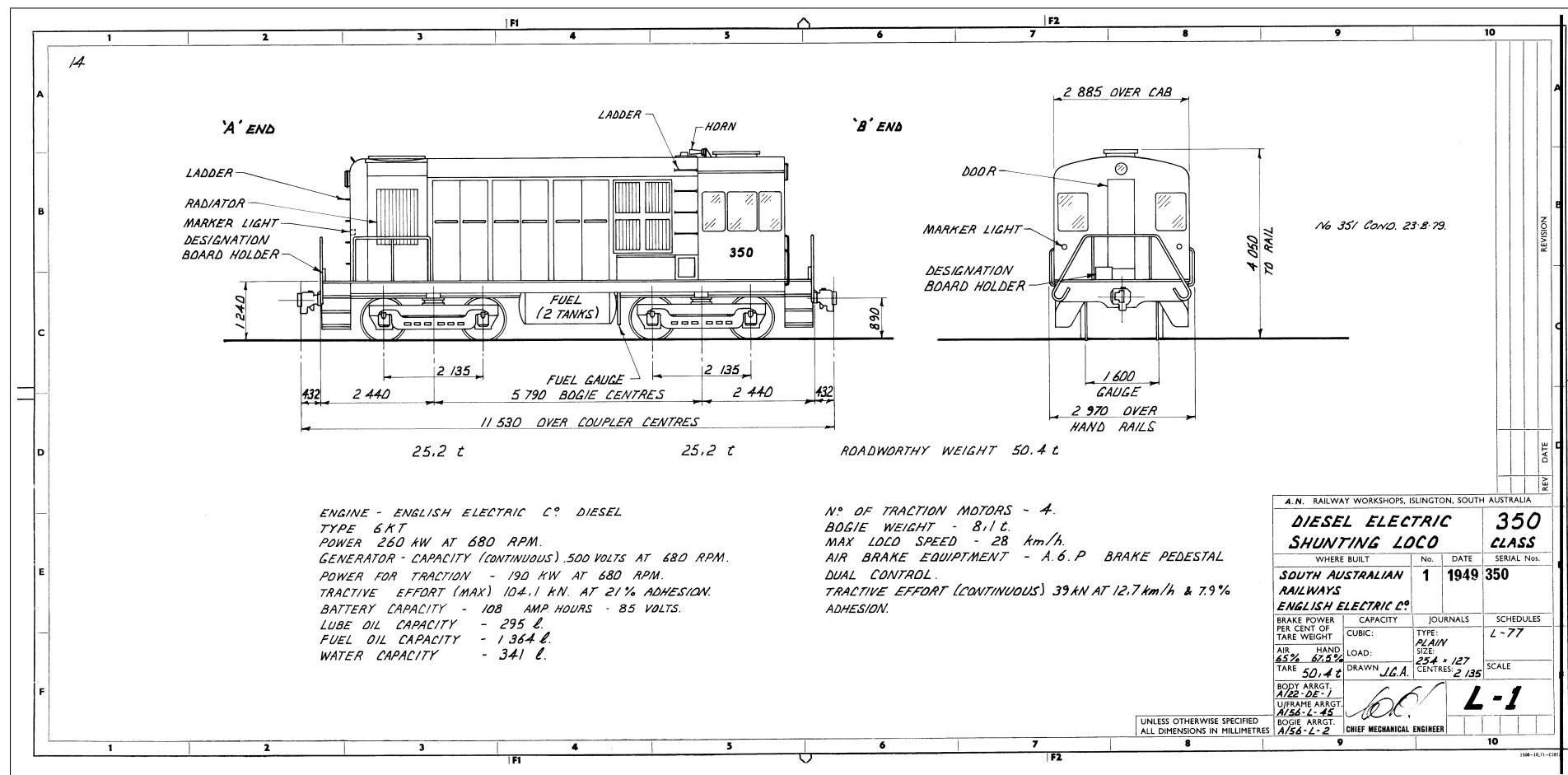
CHAPTER

8

LOCOMOTIVES (L SERIES)

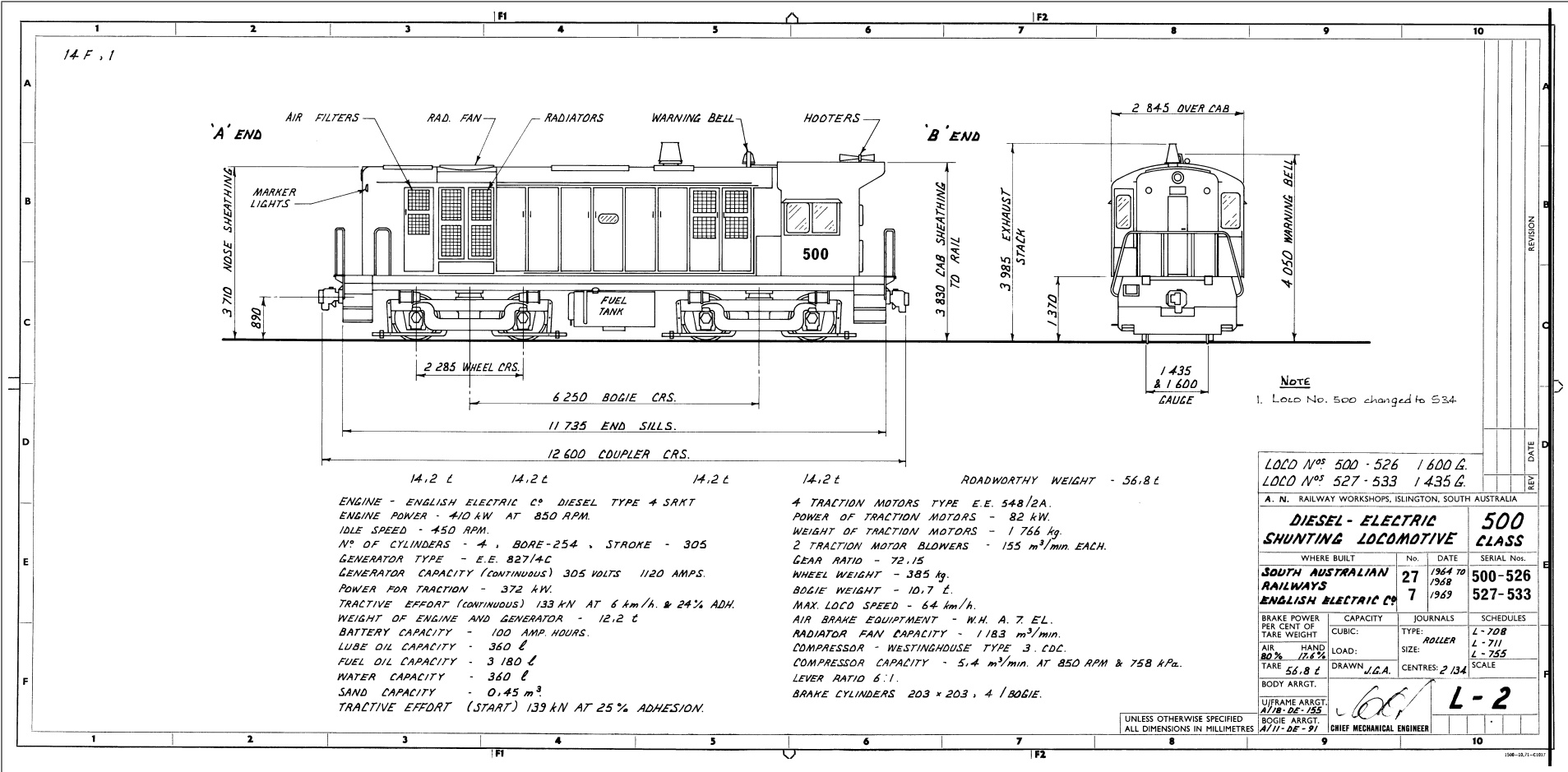
8.1	350 Diesel Electric Shunting Loco	165
8.2	500 Diesel Electric Shunting Loco	166
8.3	600 Diesel Electric Loco	167
8.4	700 Diesel Electric Loco	168
8.5	800 Diesel Electric Shunting Loco	169
8.6	830 Diesel Electric Loco	170
8.7	900 Diesel Electric Loco	171
8.8	930 Diesel Electric Loco	172
8.9	930 Diesel Electric Loco	173
8.10	830 Diesel Electric G.P. Loco	174
8.11	BL Diesel Electric Loco 2460/2240KW	175
8.12	EL Diesel Electric Loco	176
8.13	CL Diesel Electric Loco	177
8.14	AL Diesel Electric Loco	178
8.15	ALF Diesel Electric Loco Internal Arrangement	179
8.16	CLF Diesel Electric Loco Internal Arrangement	180
8.17	CLP Diesel Electric Loco Internal Arrangement	181

8.1 350 Diesel Electric Shunting Loco



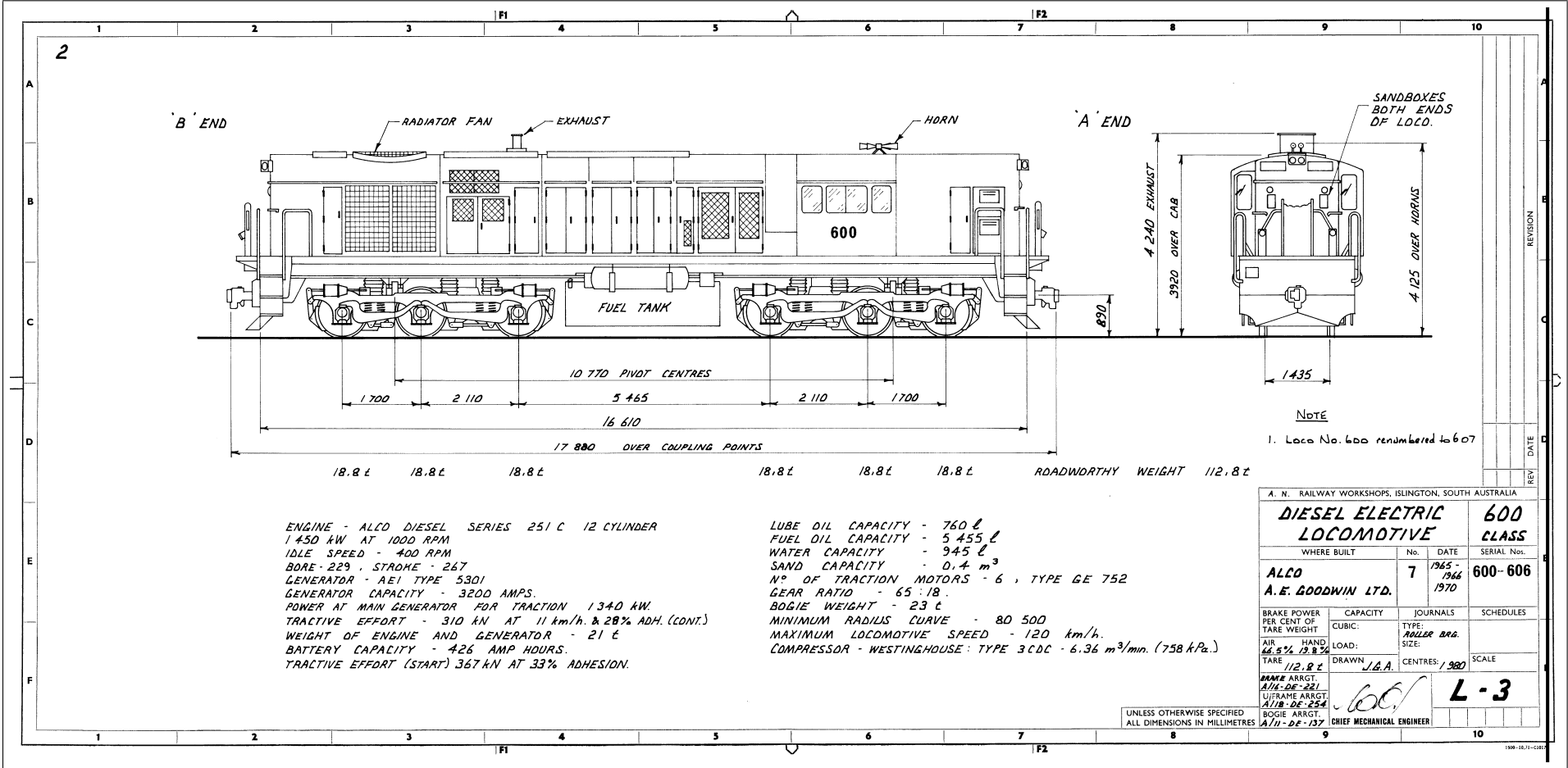
PlanId: L01

8.2 500 Diesel Electric Shunting Loco



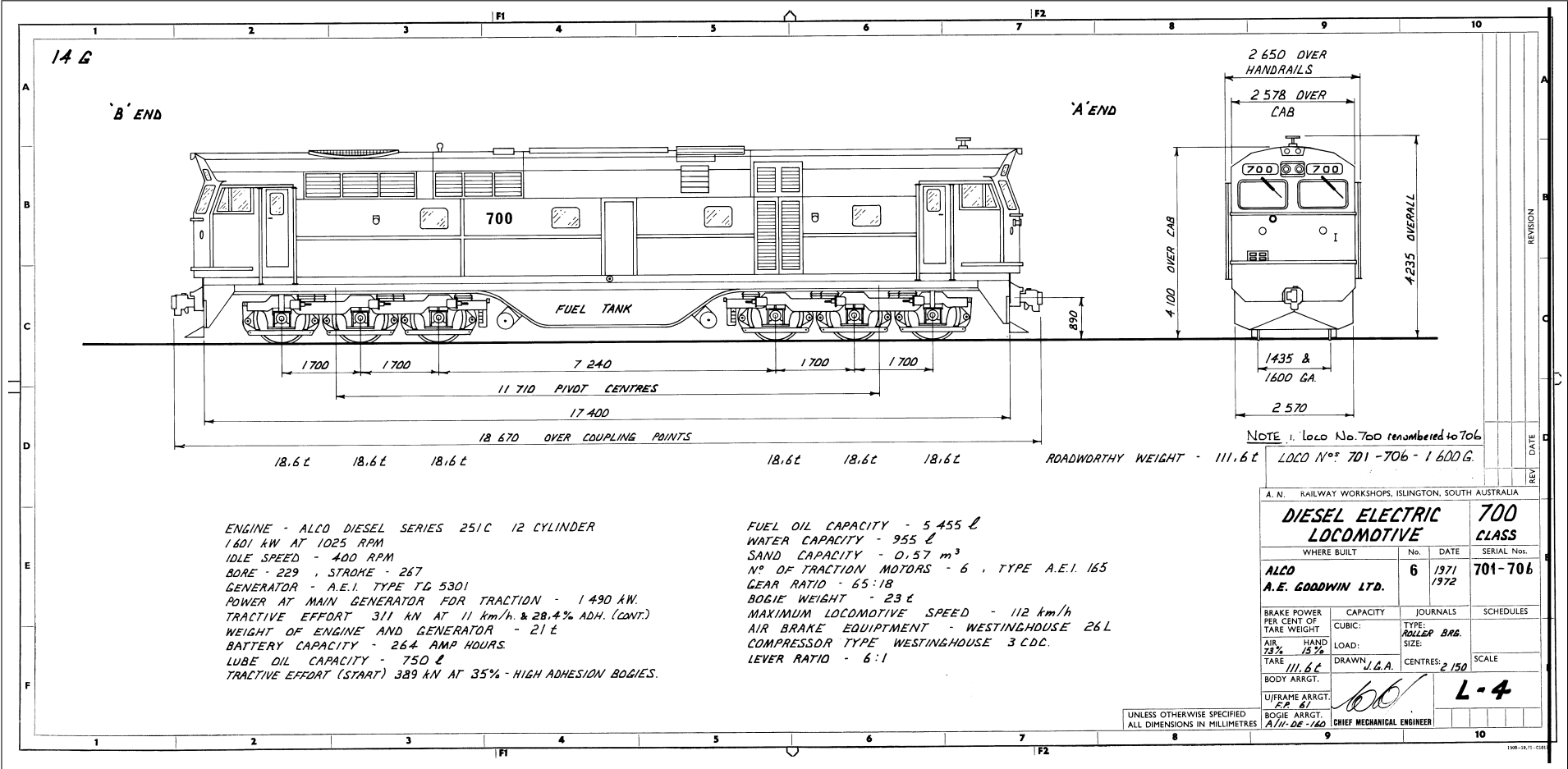
PlanId: L02

8.3 600 Diesel Electric Loco



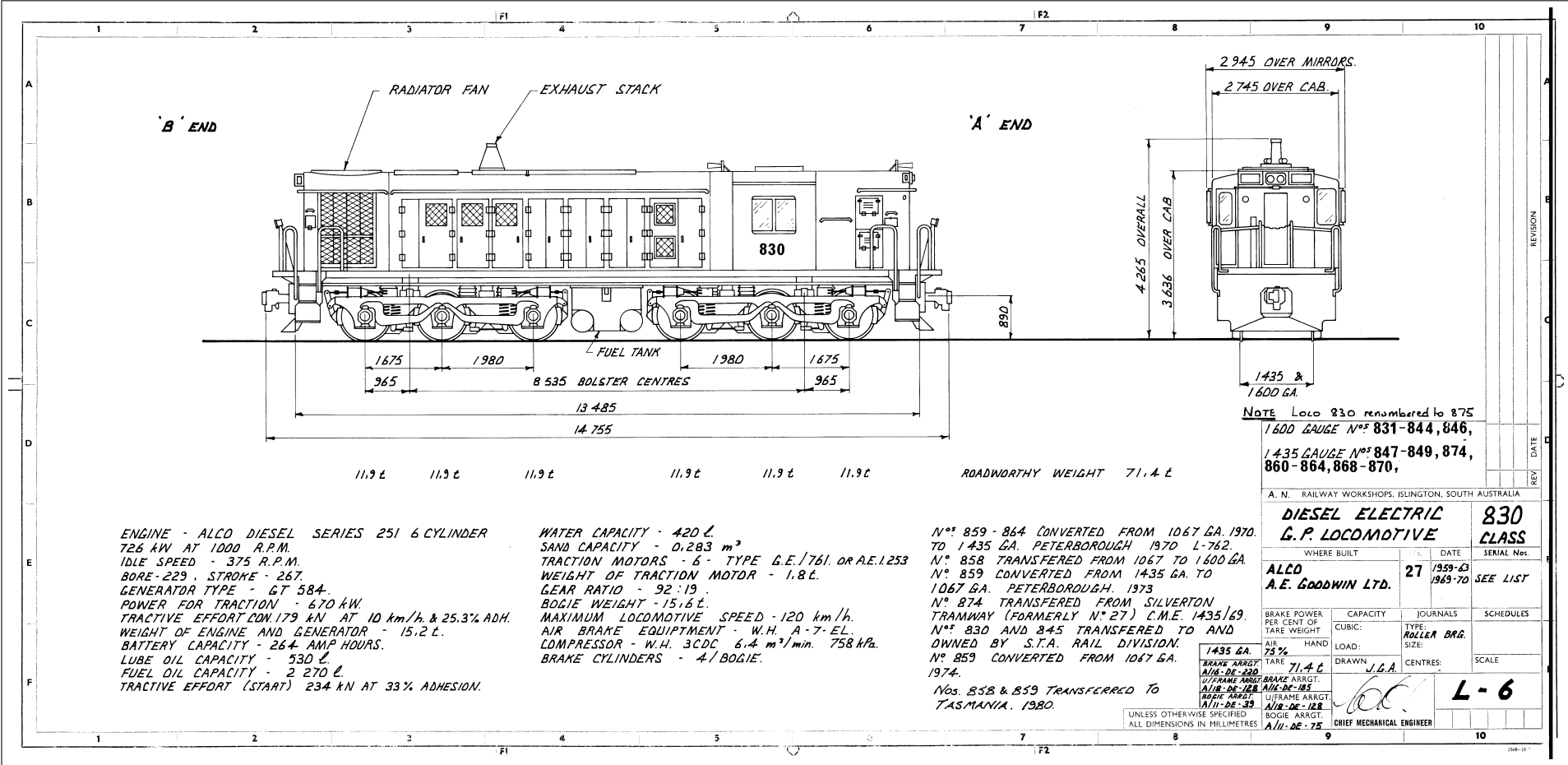
PlanId: L03

8.4 700 Diesel Electric Loco



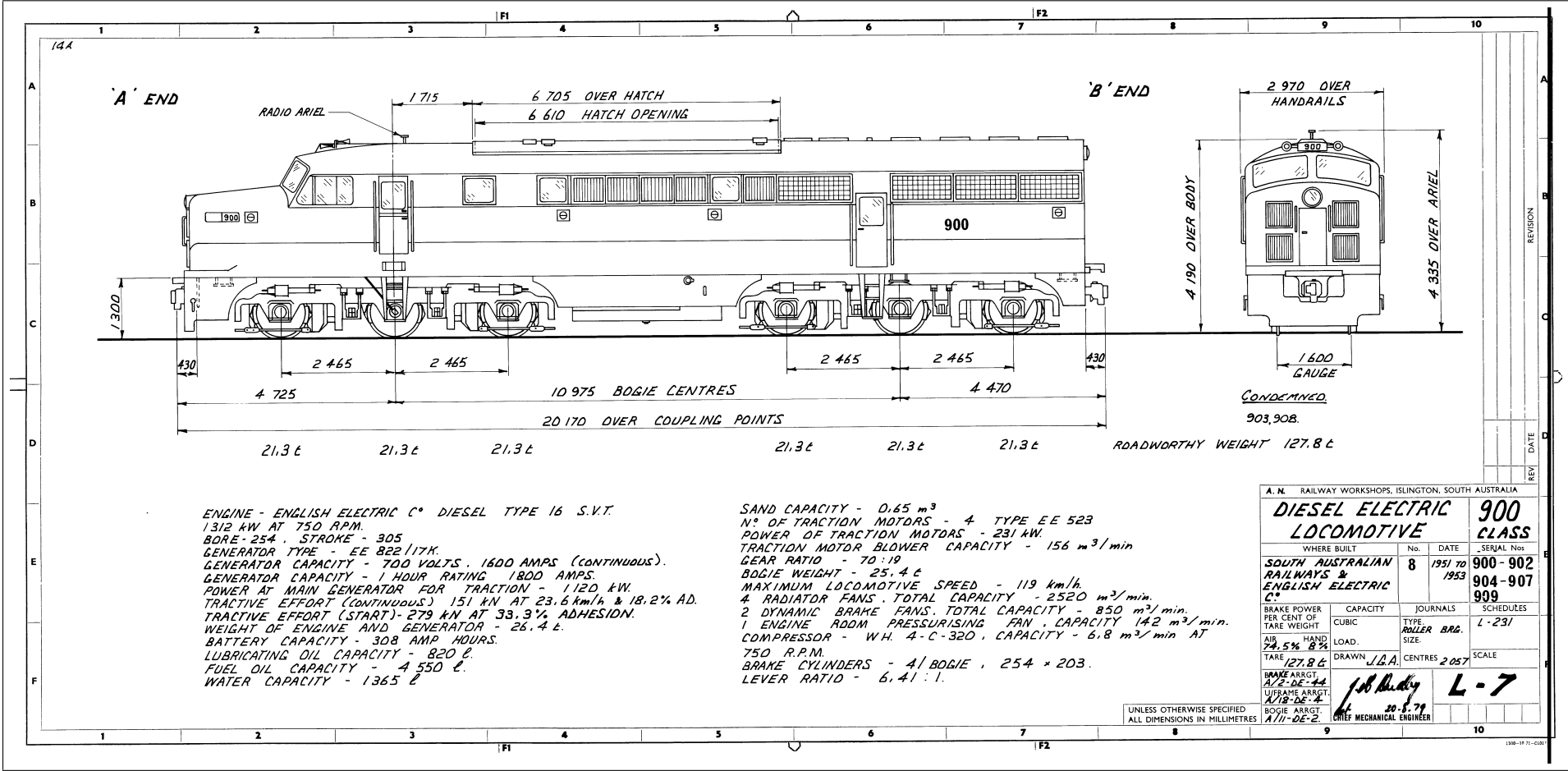
PlanId: L04

8.6 830 Diesel Electric Loco



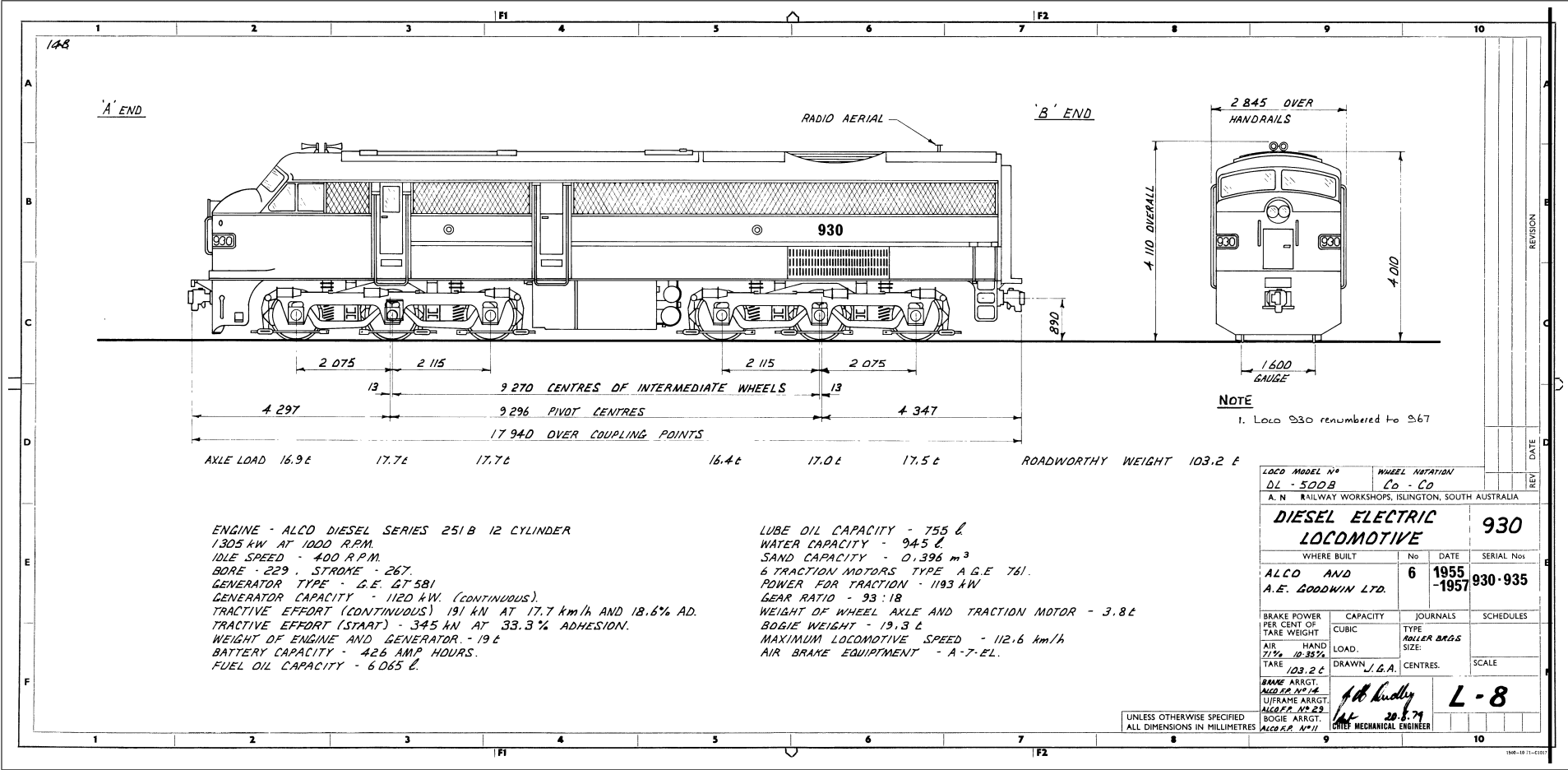
PlanId: L06

8.7 900 Diesel Electric Loco



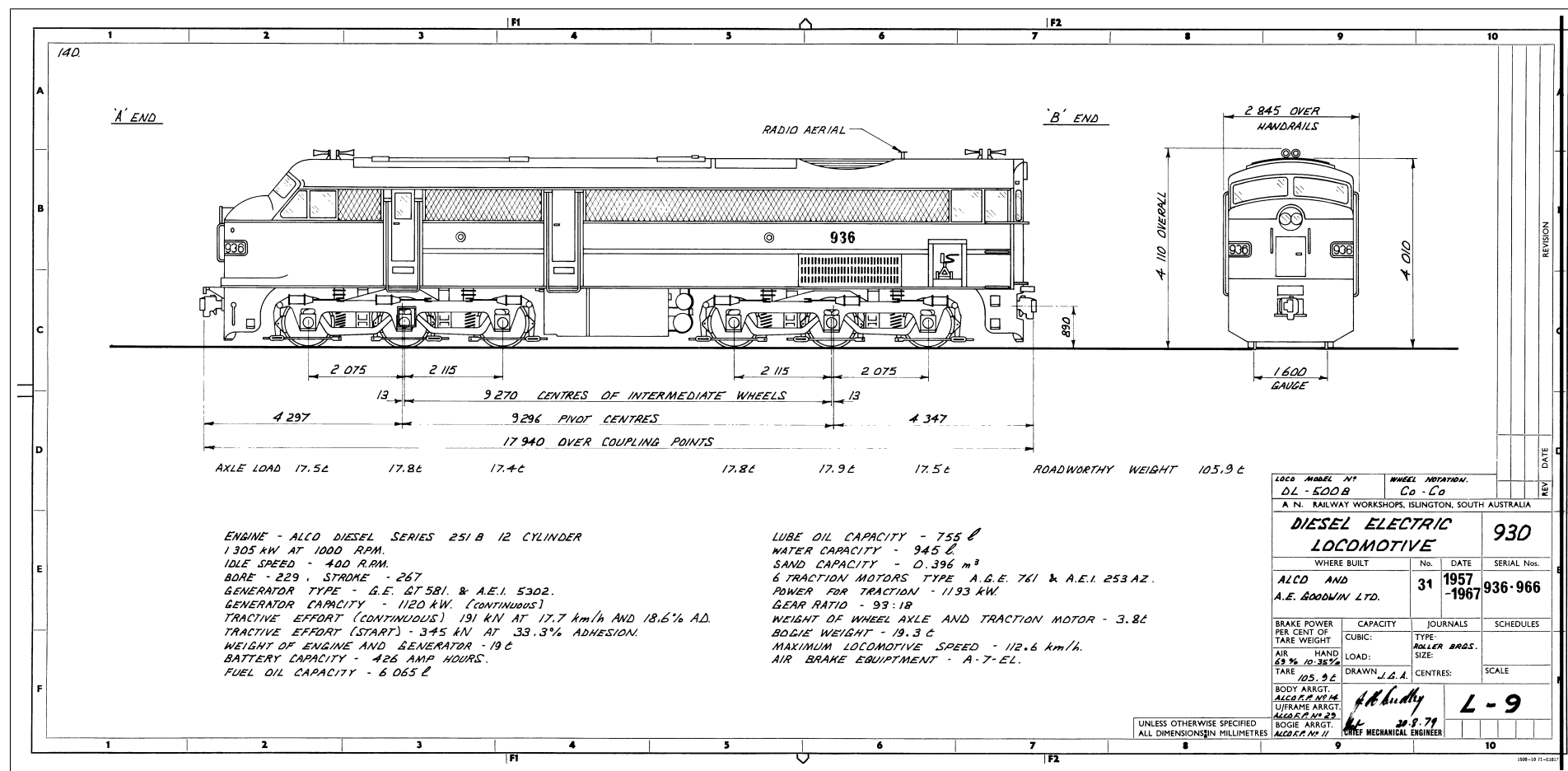
PlanId: L07

8.8 930 Diesel Electric Loco

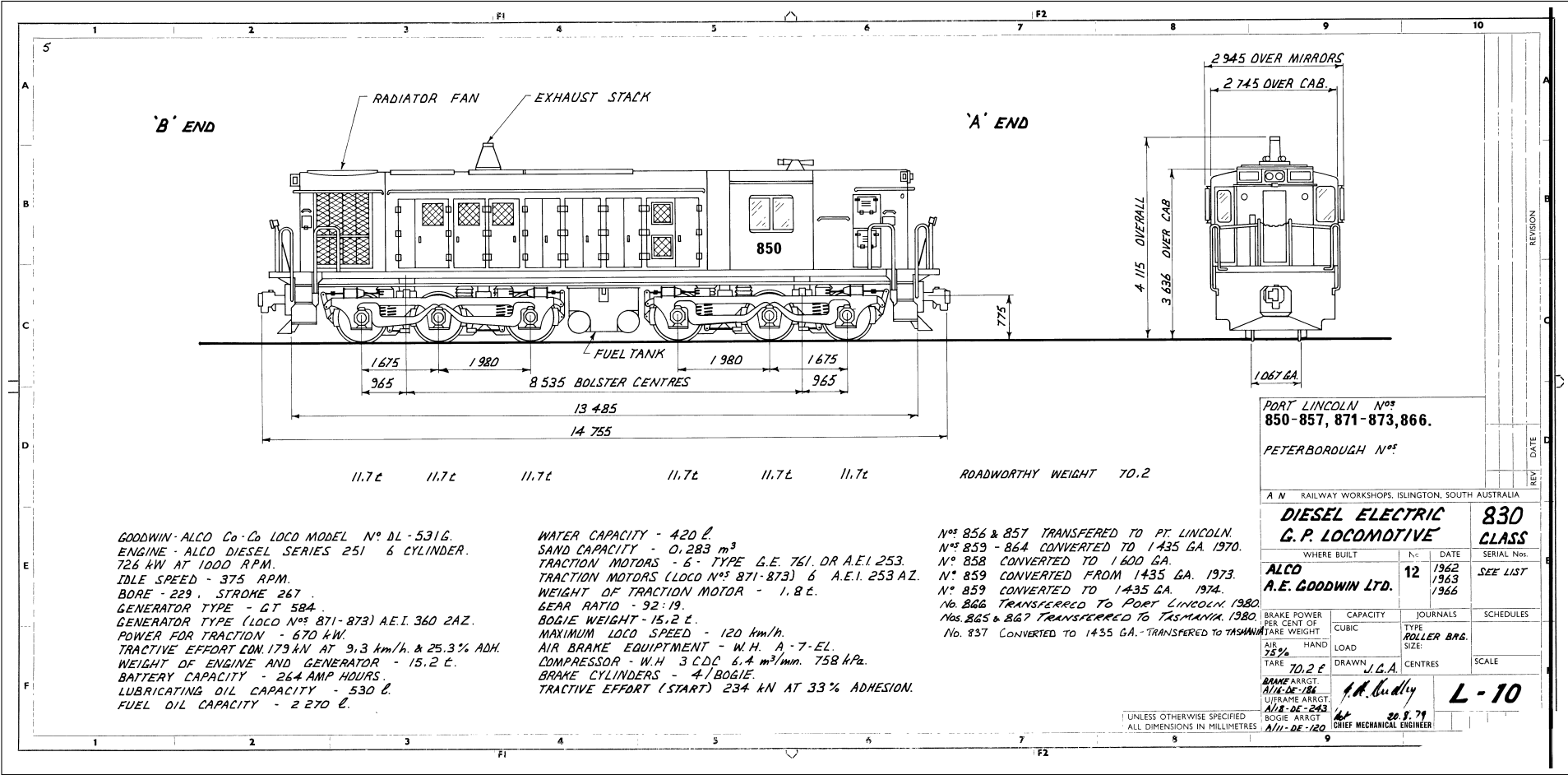


PlanId: L08

8.9 930 Diesel Electric Loco

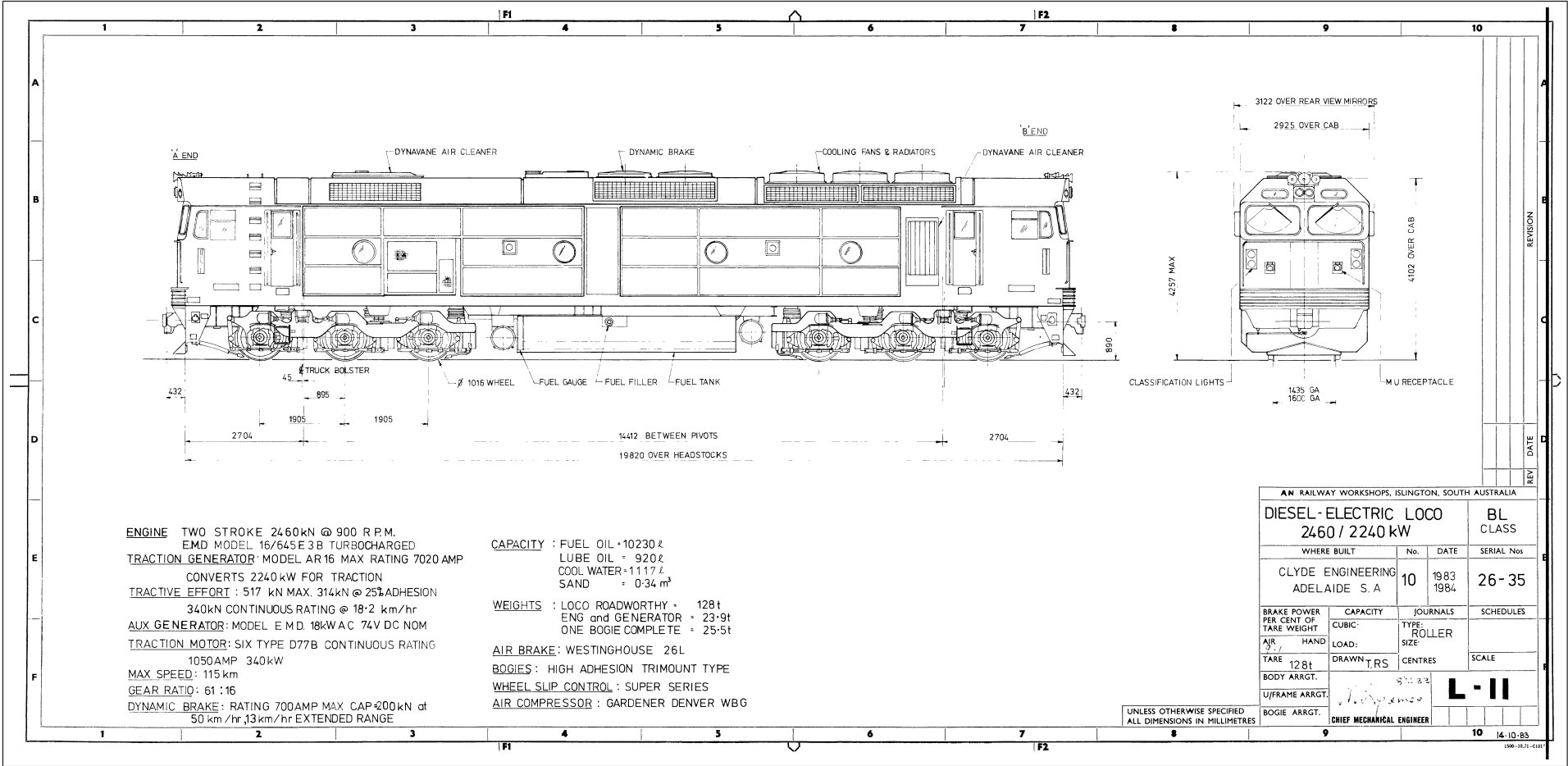


8.10 830 Diesel Electric G.P. Loco



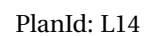
PlanId: L10

8.11 BL Diesel Electric Loco 2460/2240KW

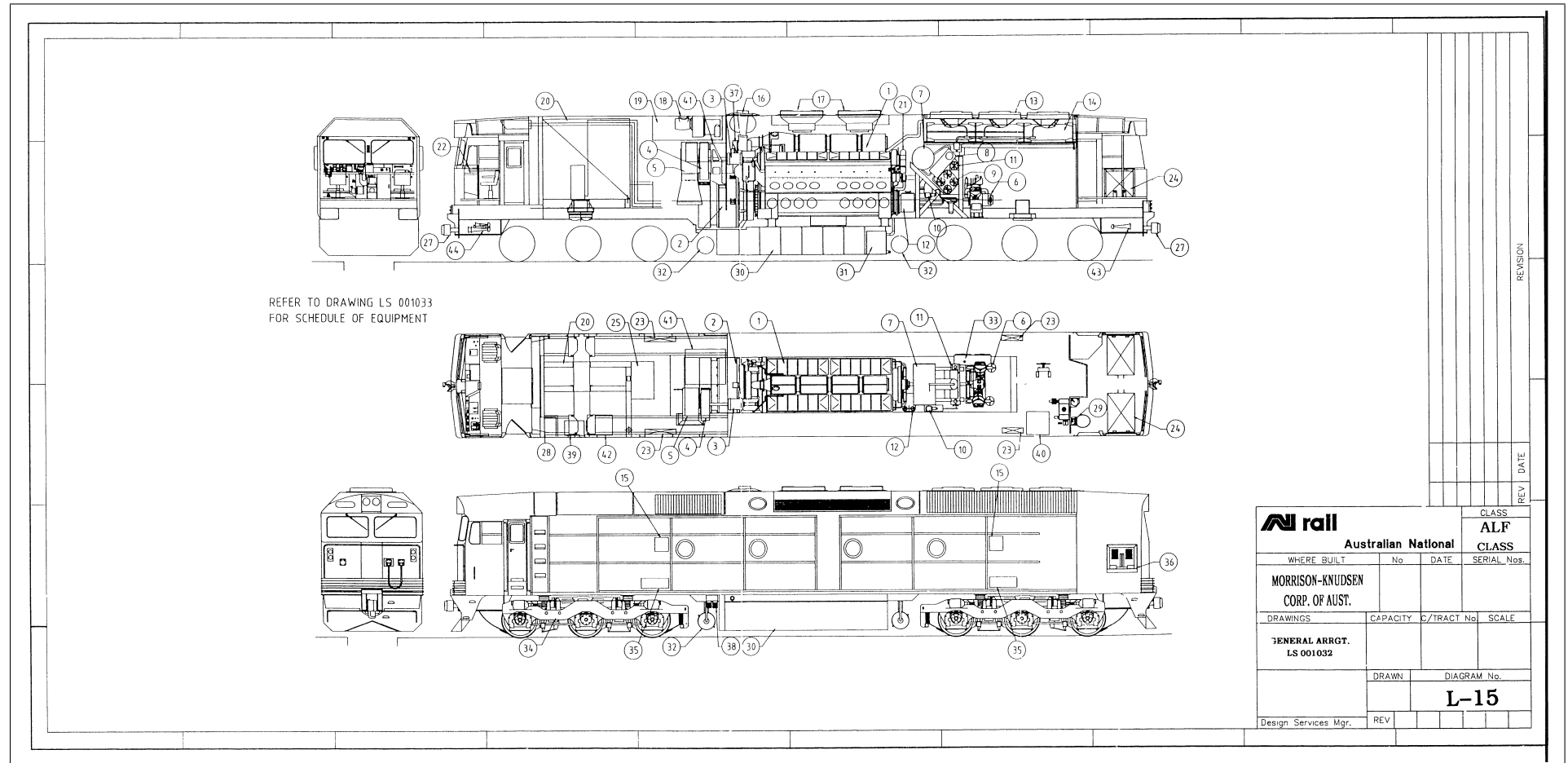


PlanId: L11



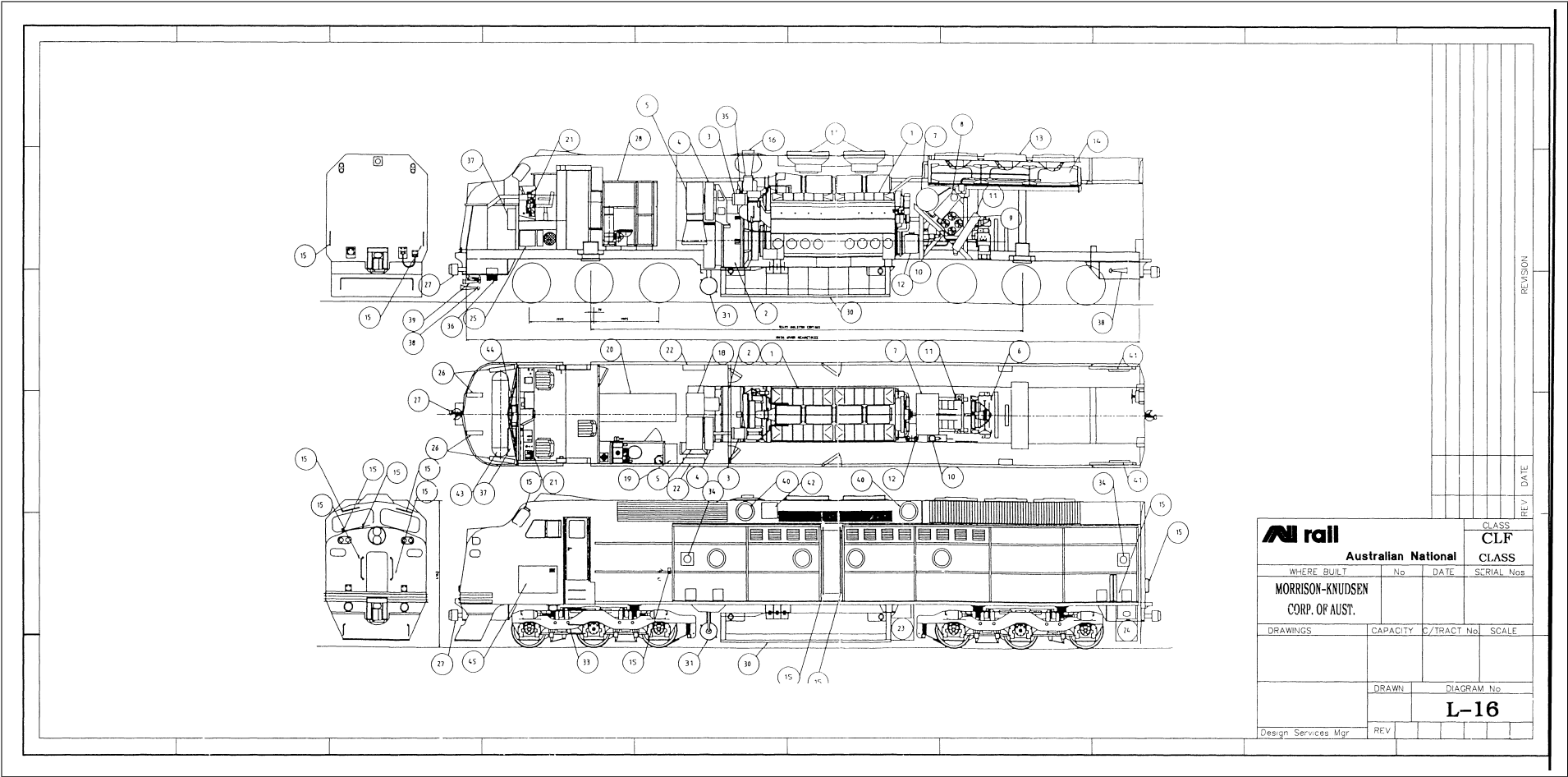


8.15 ALF Diesel Electric Loco Internal Arrangement



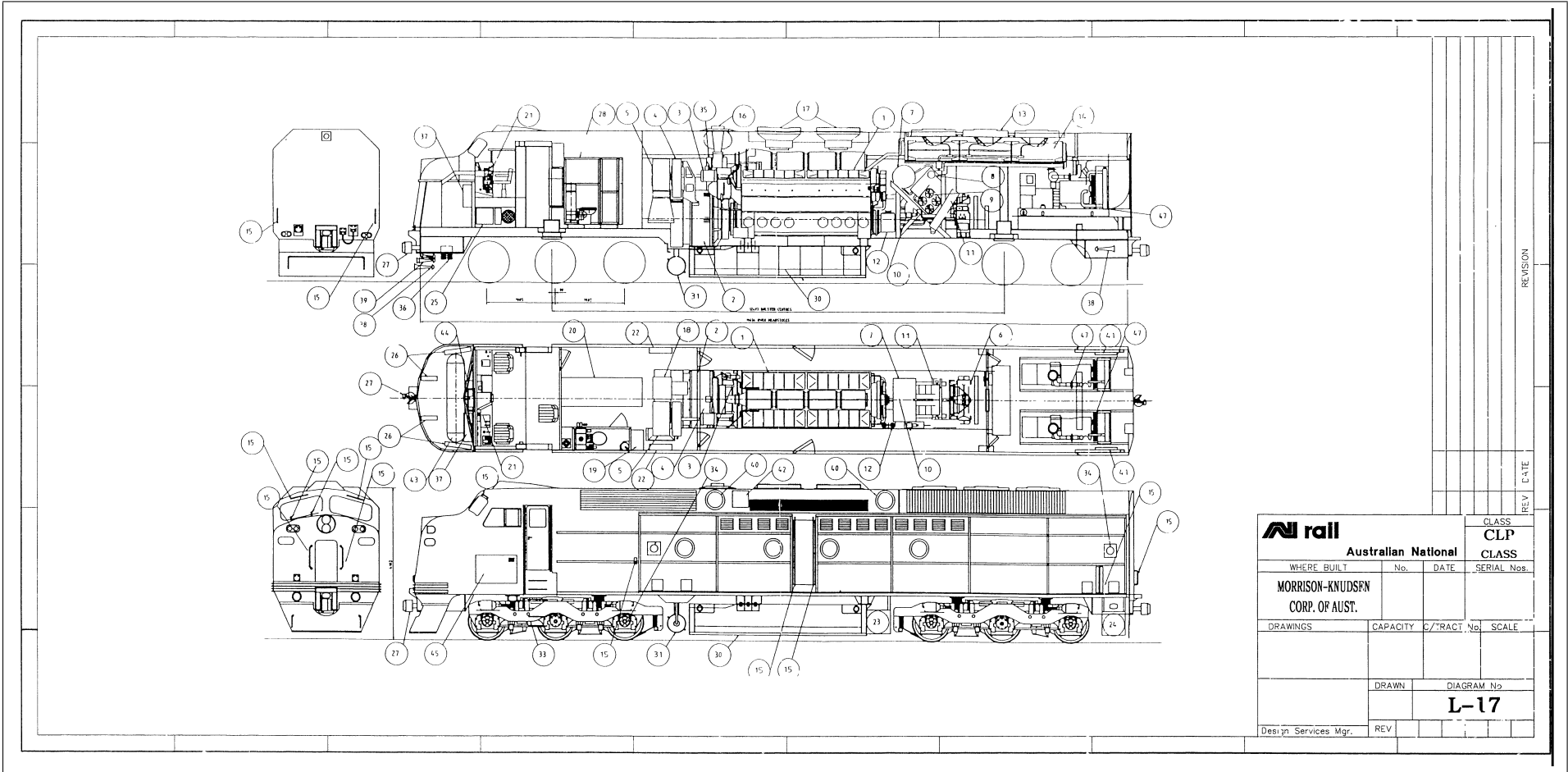
PlanId: L15

8.16 CLF Diesel Electric Loco Internal Arrangement



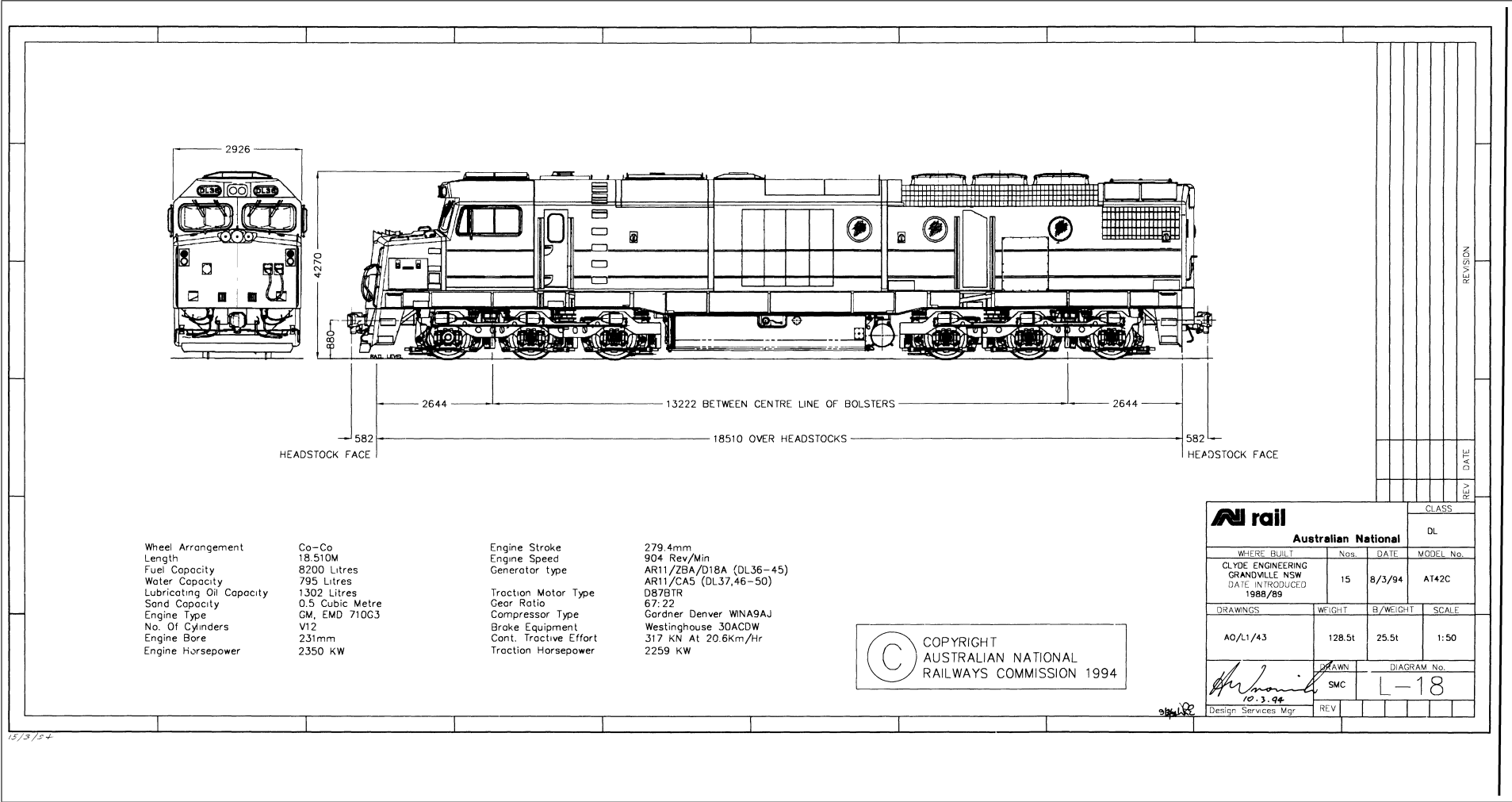
PlanId: L16

8.17 CLP Diesel Electric Loco Internal Arrangement



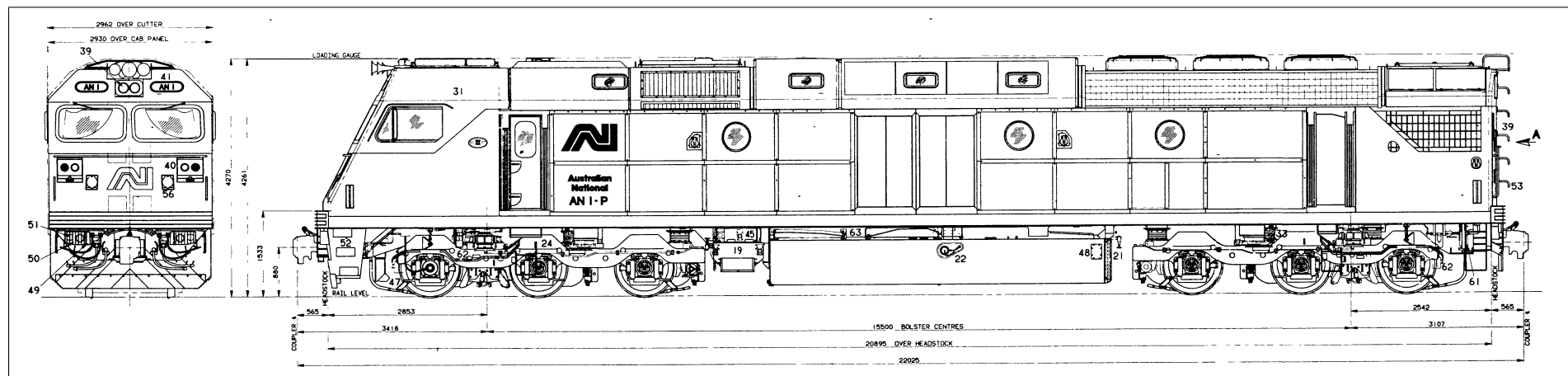
PlanId: L17

8.18 DL Diesel Electric Loco



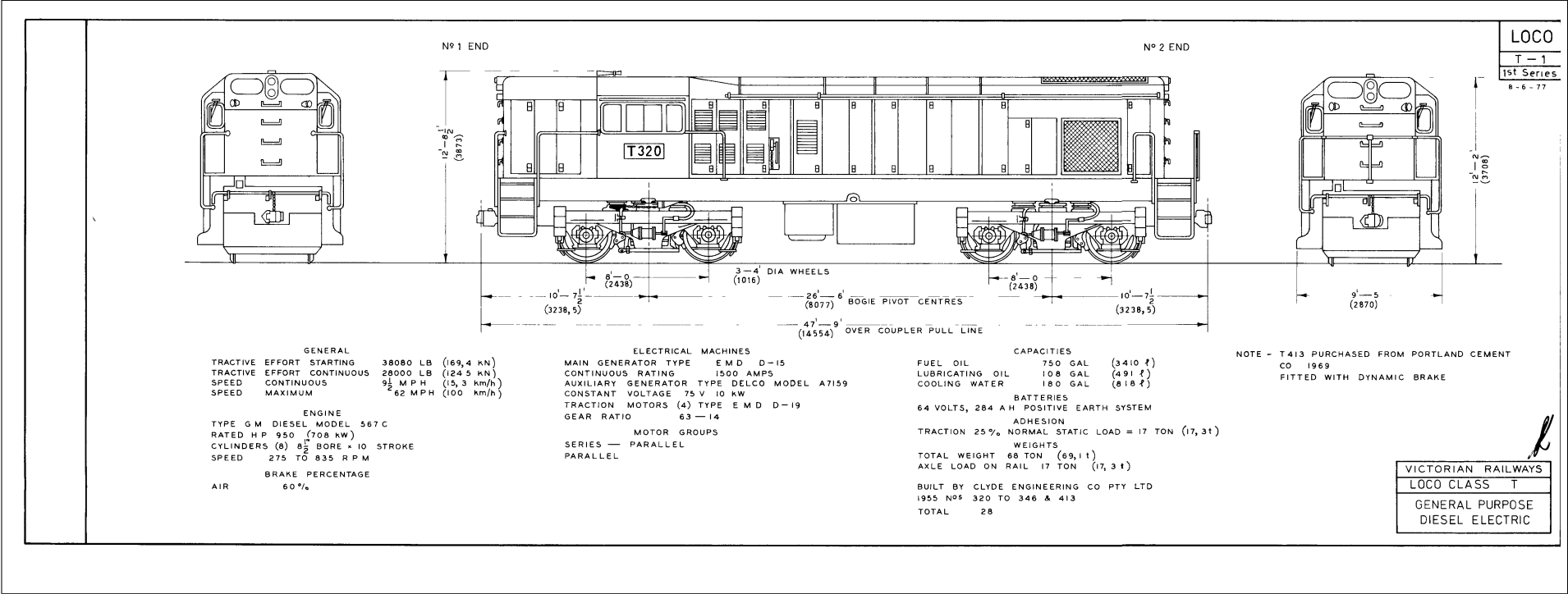
PlanId: L18

8.19 AN Diesel Electric Loco



PlanId: Lan

8.20 VRT Class Loco



PlanId: Lck



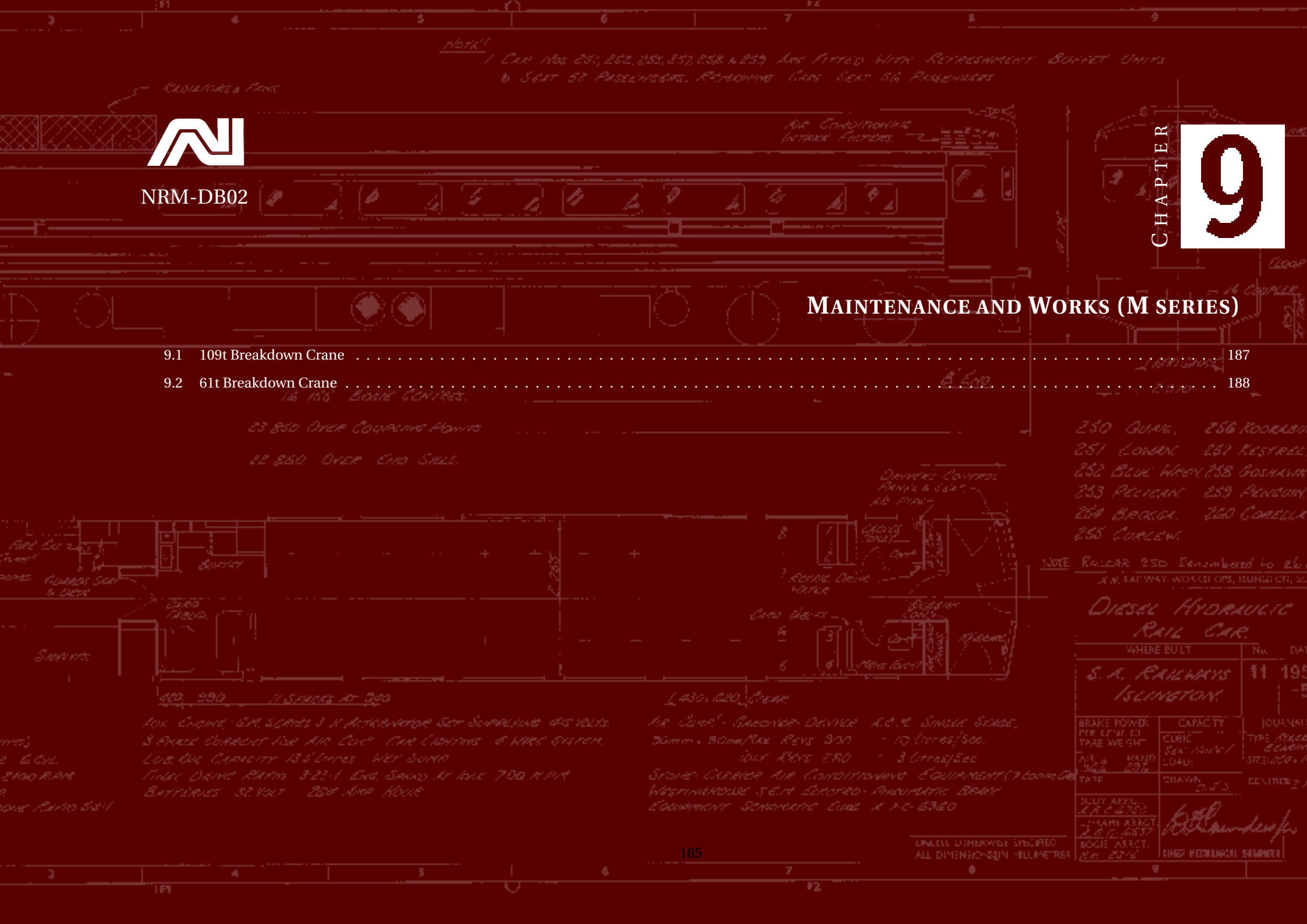
NRM-DB02

CHAPTER

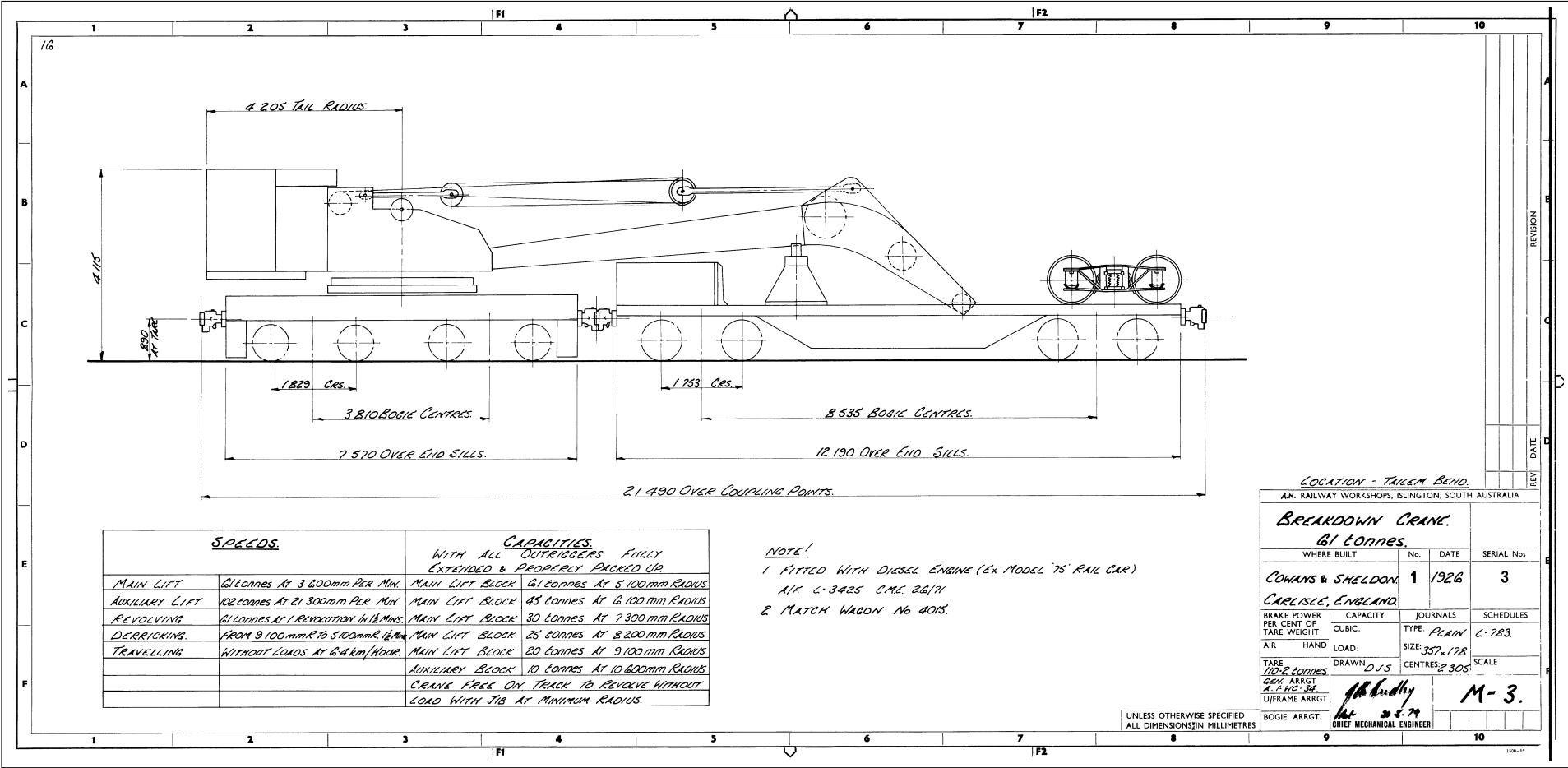
9

MAINTENANCE AND WORKS (M SERIES)

- 9.1 109t Breakdown Crane 187
- 9.2 61t Breakdown Crane 188



9.2 61t Breakdown Crane



PlanId: M03



NRM-DB02

CHAPTER

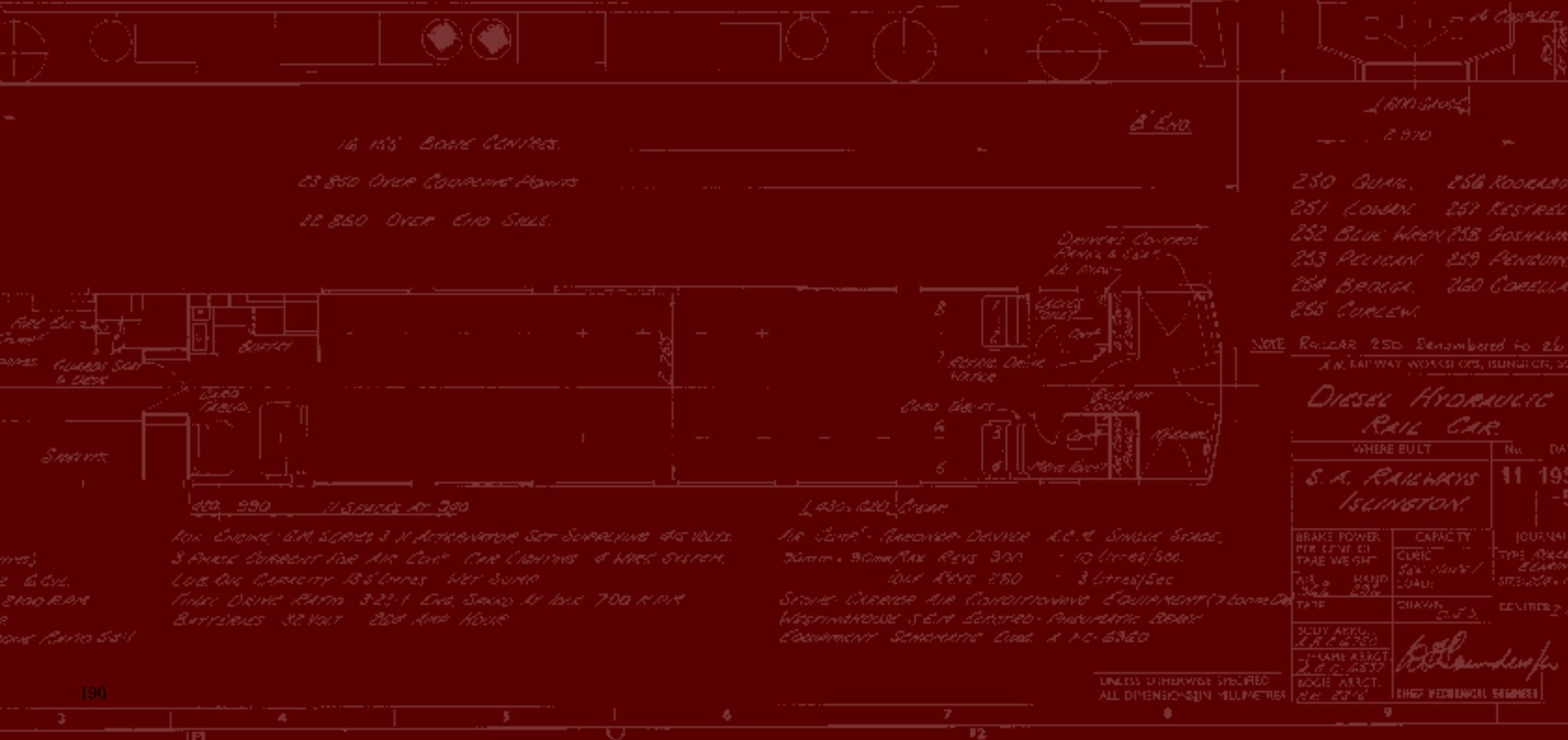
10

PASSENGER (P SERIES)

10.1 Joint Stock Roomette Compartment Sleeping Car Allambi Tantini	191
10.2 Joint Stock Twinette Compartment Sleeping Car Weroni Dorai	192
10.3 Joint Stock Twinette Compartment Sleeping Car Tawarri Yankai	193
10.4 Joint Stock Club Car	194
10.5 Joint Stock Cafeteria Car RBJ	195
10.6 Joint Stock Roomette Compartment Sleeping Car	196
10.7 Joint Stock Twinette Compartment Sleeping Car	197
10.8 Joint Stock 1st Class Coach Car AJ	198
10.9 Joint Stock Economy Class Coach Car BJ	199
10.10 Joint Stock Economy Class Coach Car BJ	200
10.11 BD Economy Class Coach Car	201
10.12 AD First Class Coach Car	202
10.13 700 First & Economy Steel Passenger Car	203
10.14 750 First & Economy Steel Passenger Car	204
10.15 780 First Class Steel Passenger Car	205
10.16 500 First Class Steel Passenger Car	206
10.17 600 Economy Class Steel Passenger Car	207

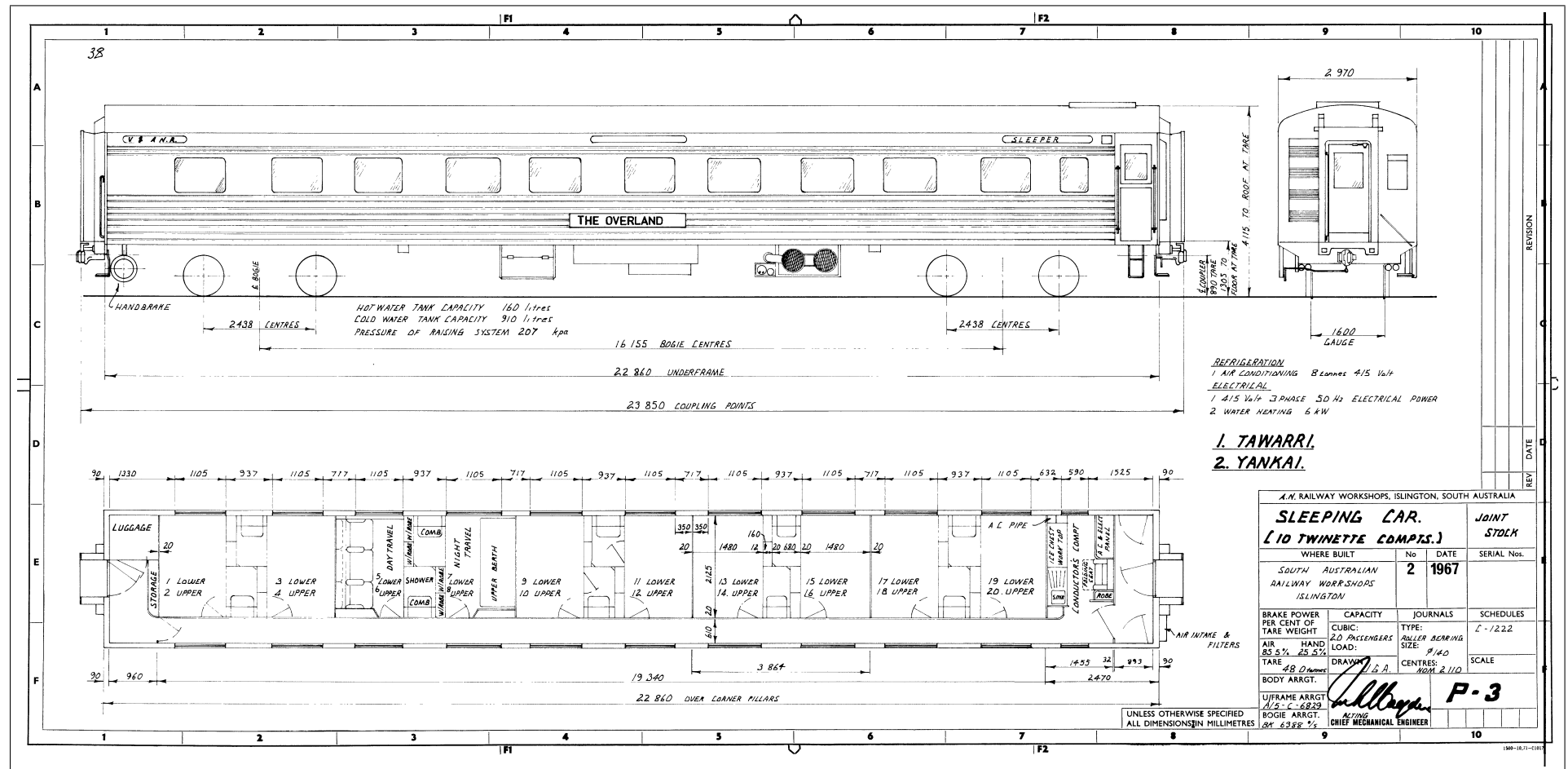
10. PASSENGER (P SERIES)

10.18C Cafeteria Car	208
10.19ACC Conference Car	209
10.20AEC Entertainment Car	210
10.21CDF Cafeteria Club Car	211
10.22AG Coach Car	212
10.23AOB Lounge Car Oasis Bar	213
10.24AFC Lounge Car Dreamtime Lounge	214





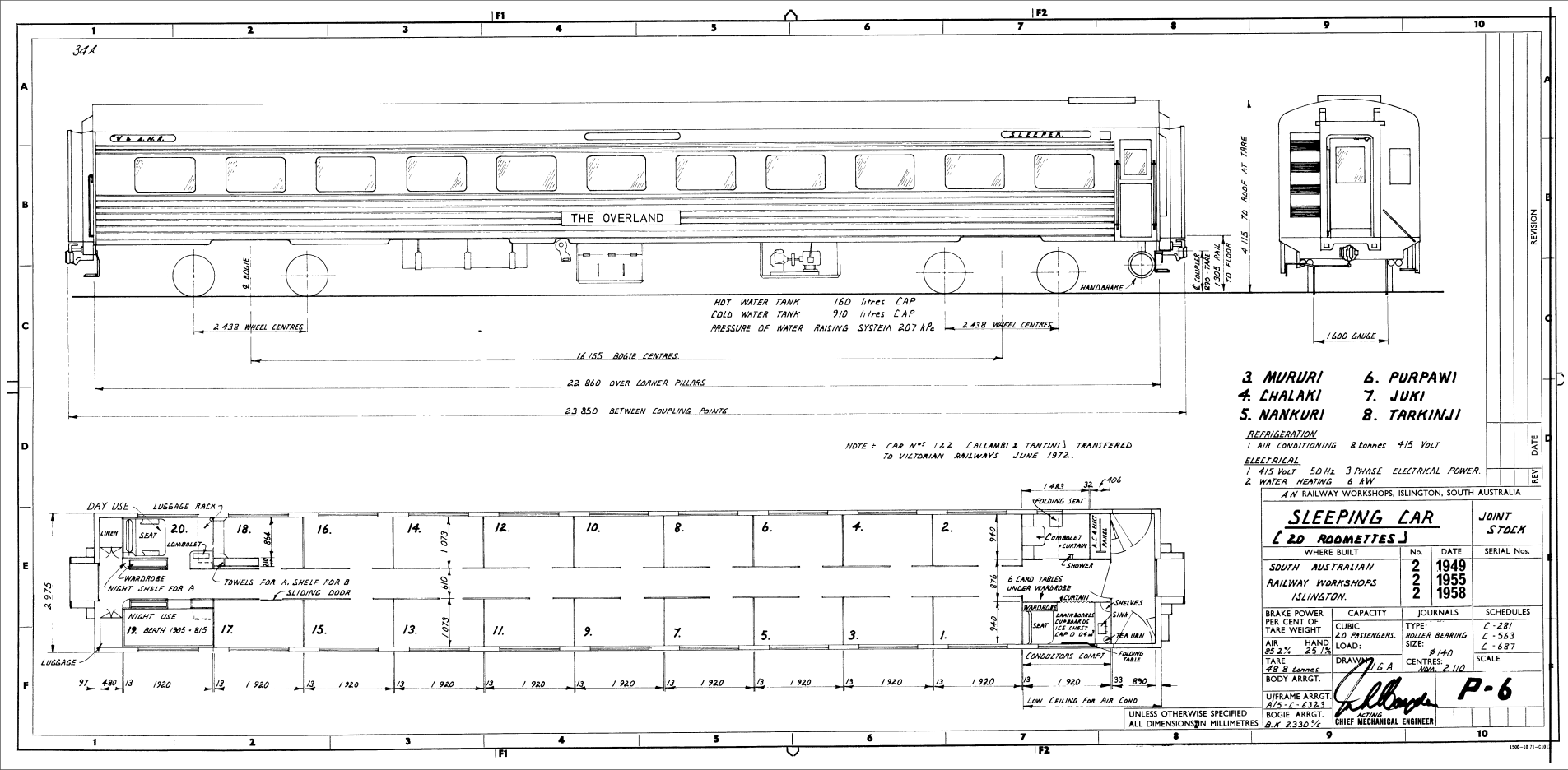
10.3 Joint Stock Twinette Compartment Sleeping Car Tawarri Yankai



PlanId: P03

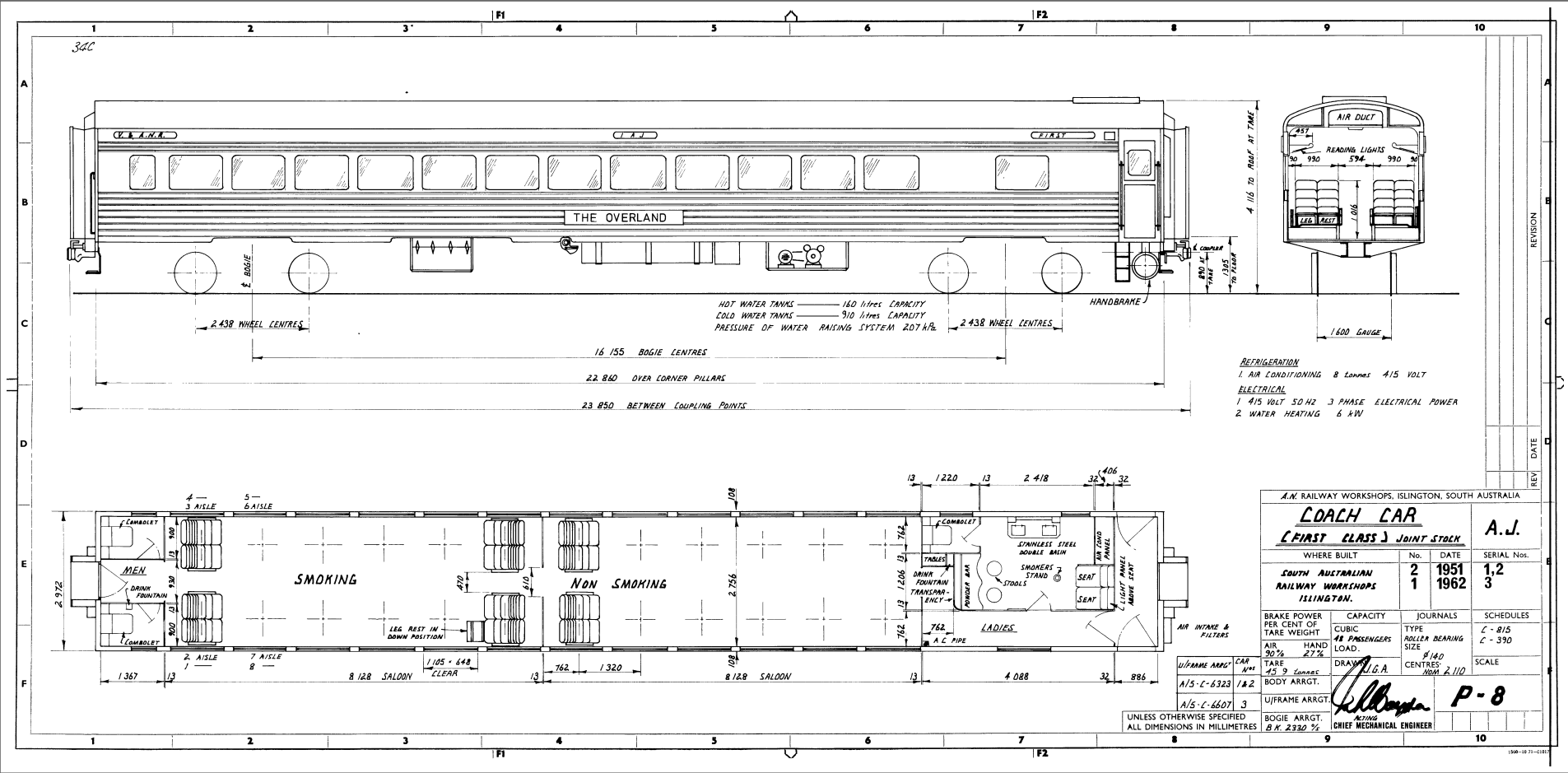


10.6 Joint Stock Roomette Compartment Sleeping Car



PlanId: P06

10.8 Joint Stock 1st Class Coach Car AJ



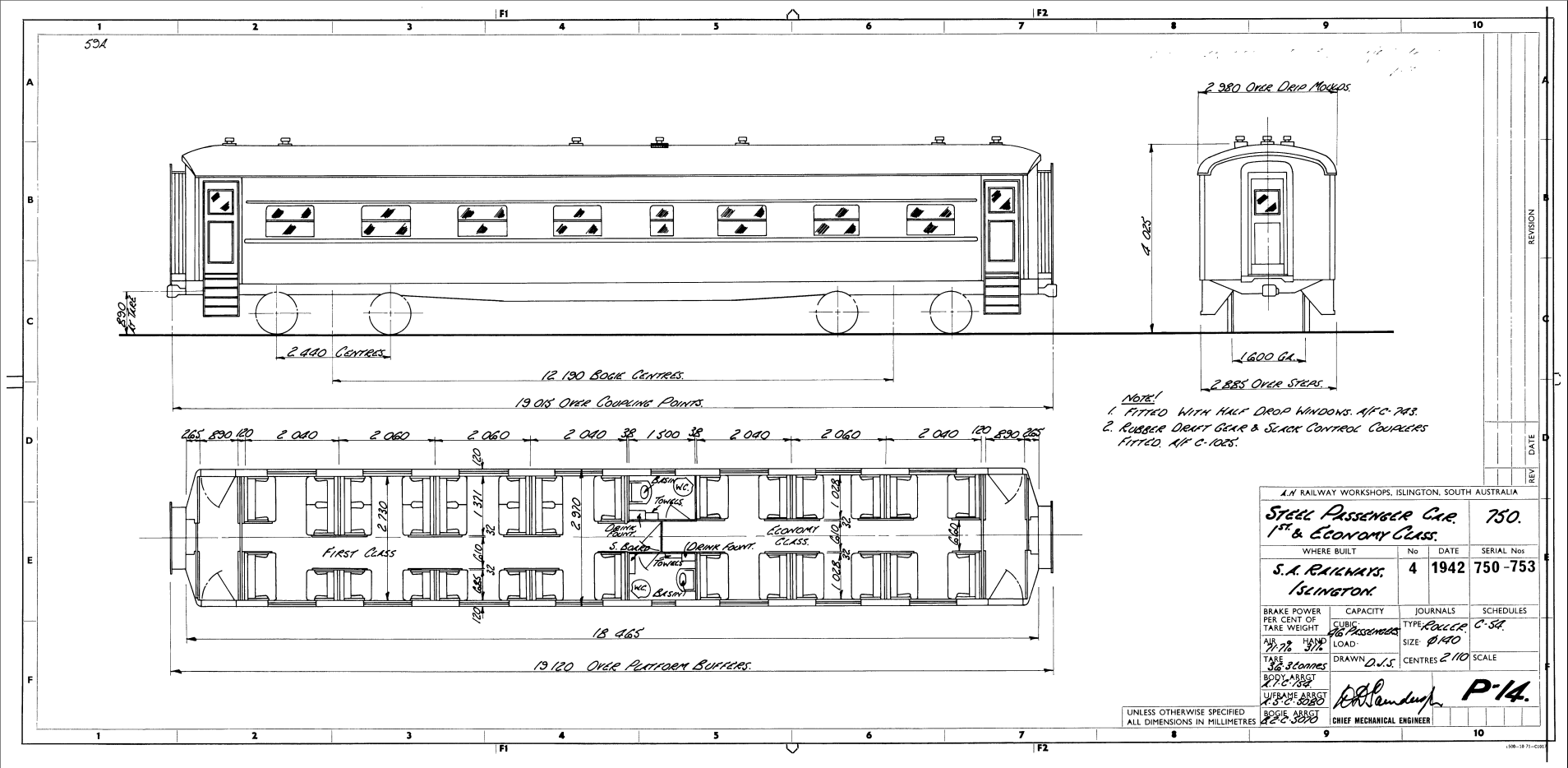
PlanId: P08





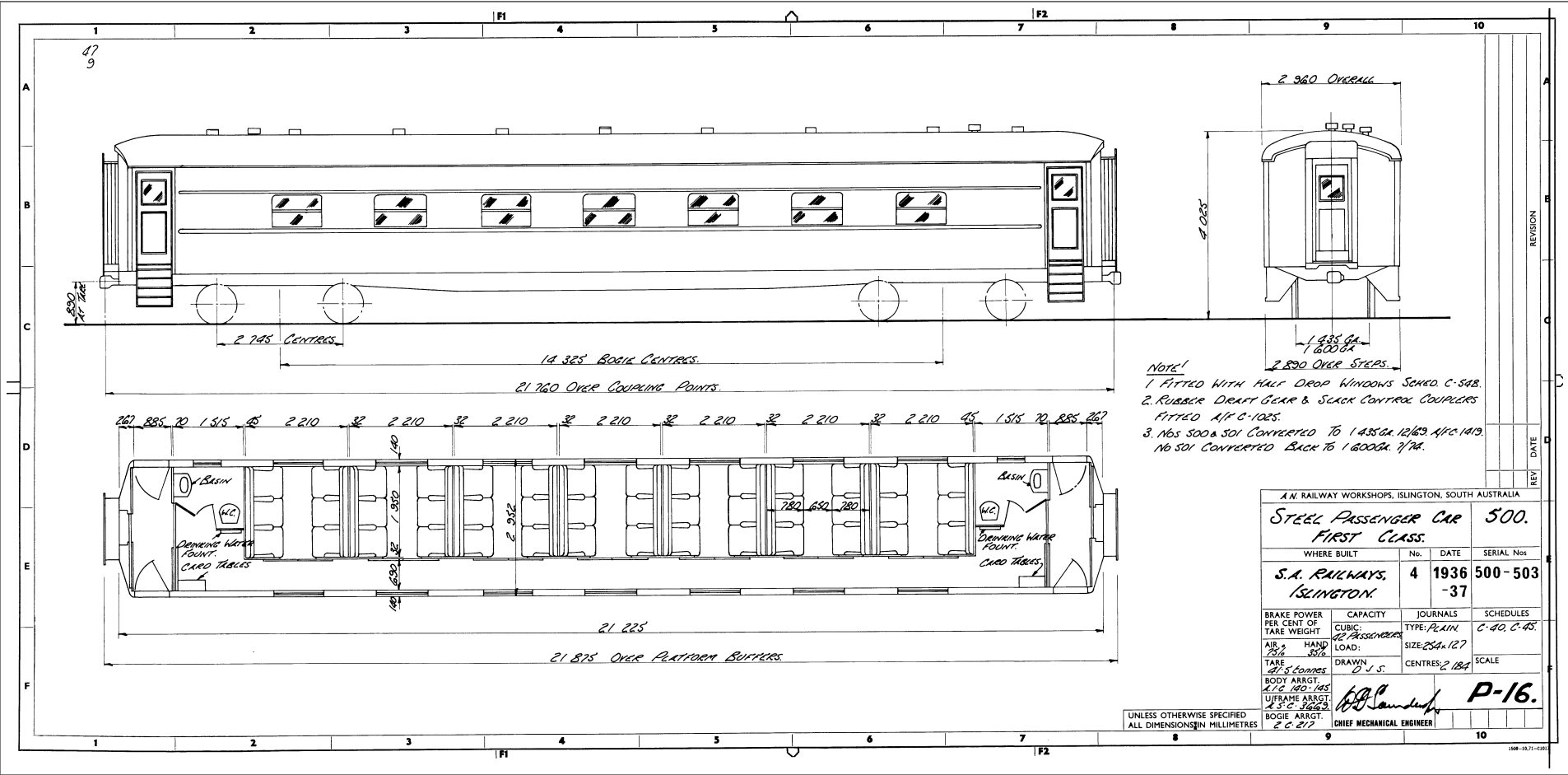


10.14 750 First & Economy Steel Passenger Car



PlanId: P14

10.16 500 First Class Steel Passenger Car

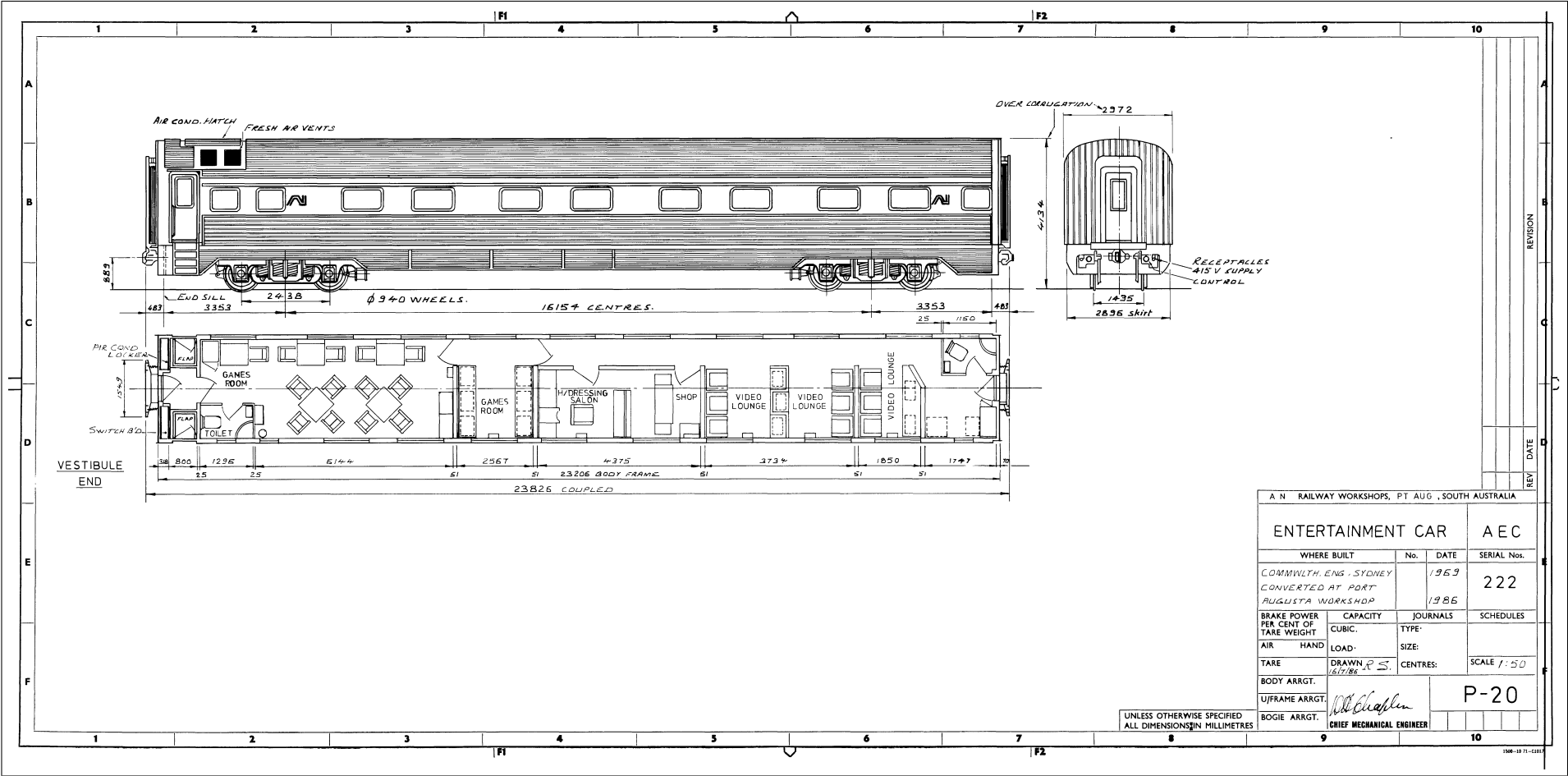


PlanId: P16



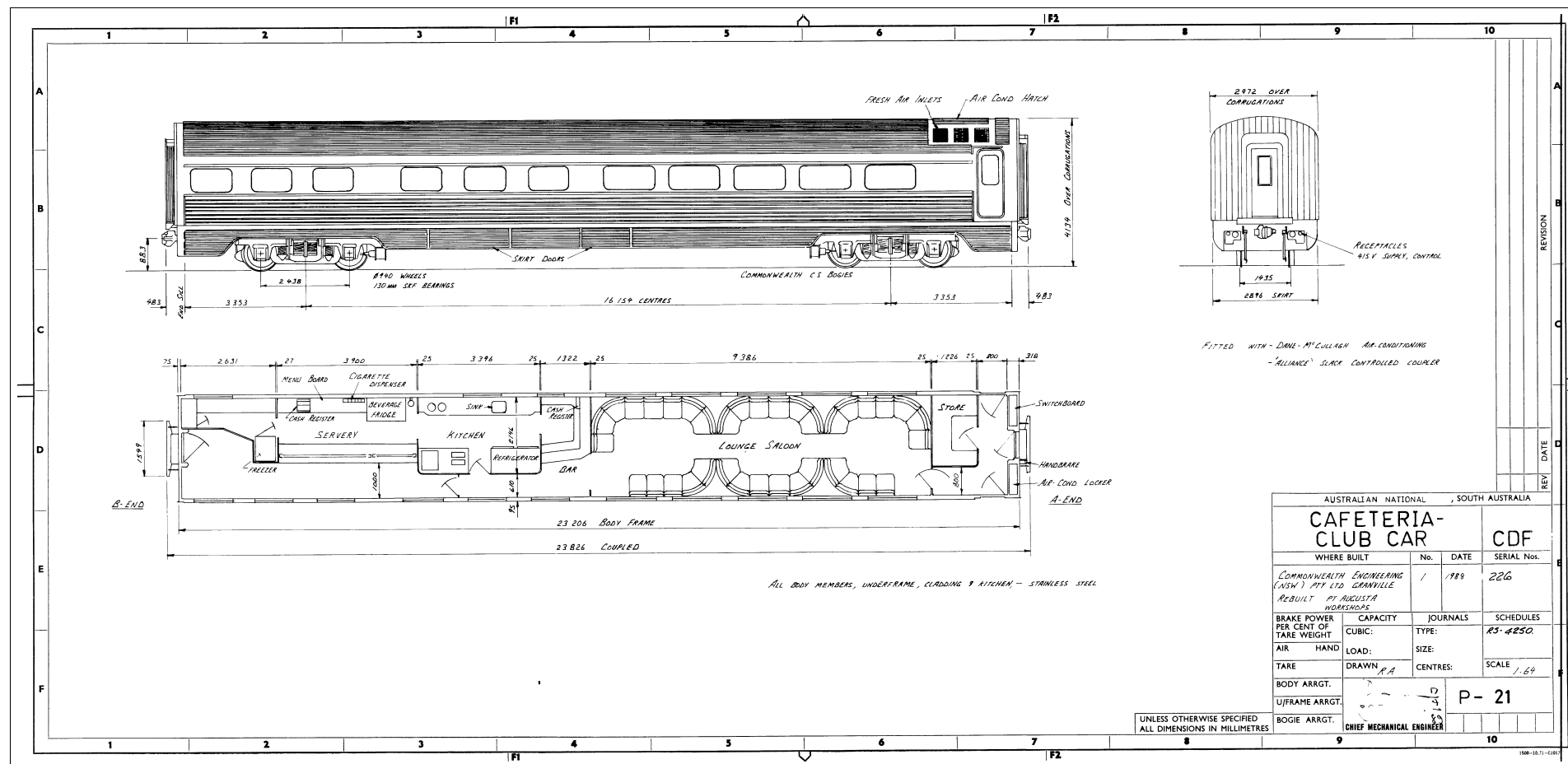


10.20 AEC Entertainment Car



PlanId: P20

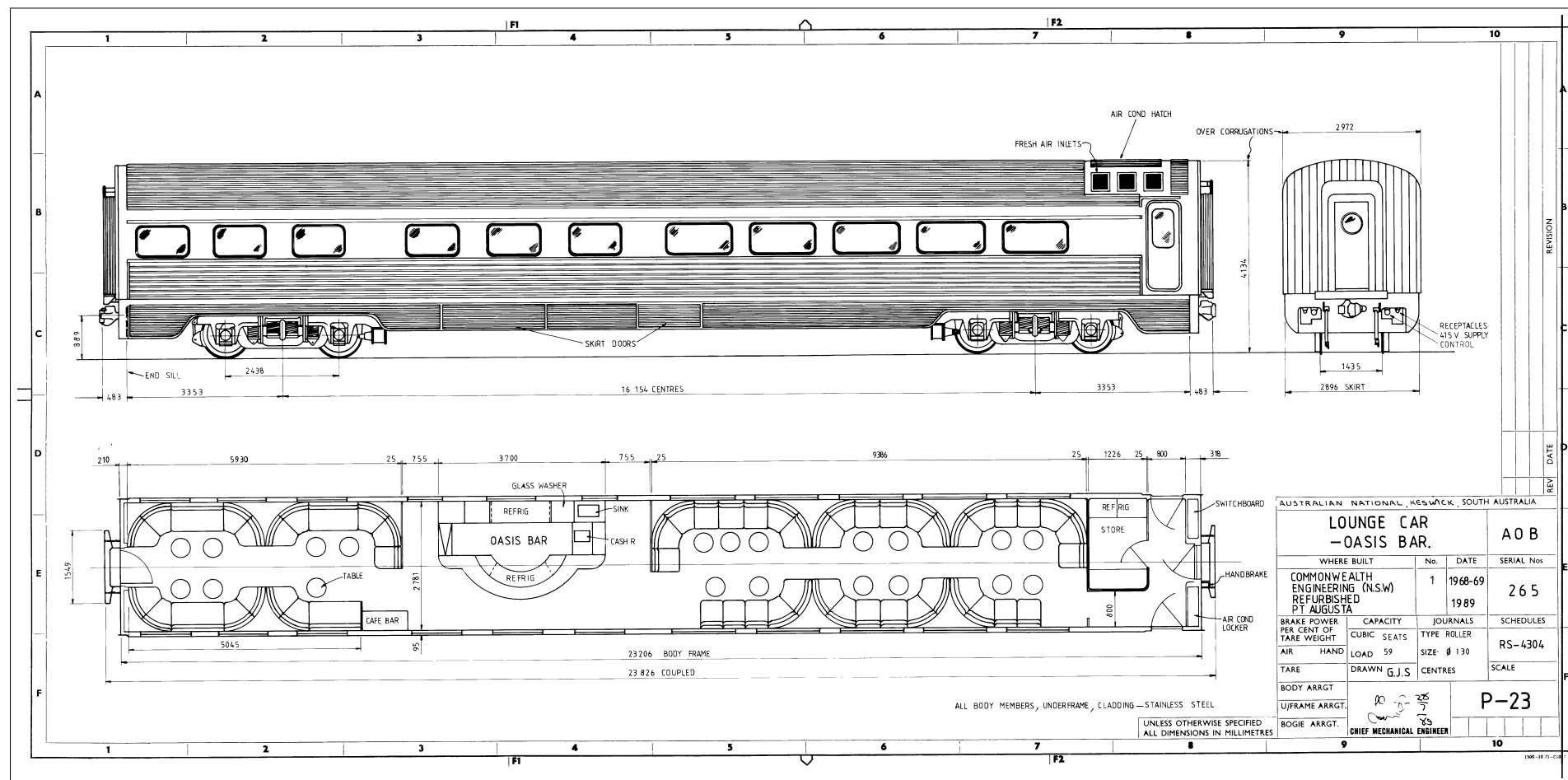
10.21 CDF Cafeteria Club Car



PlanId: P21

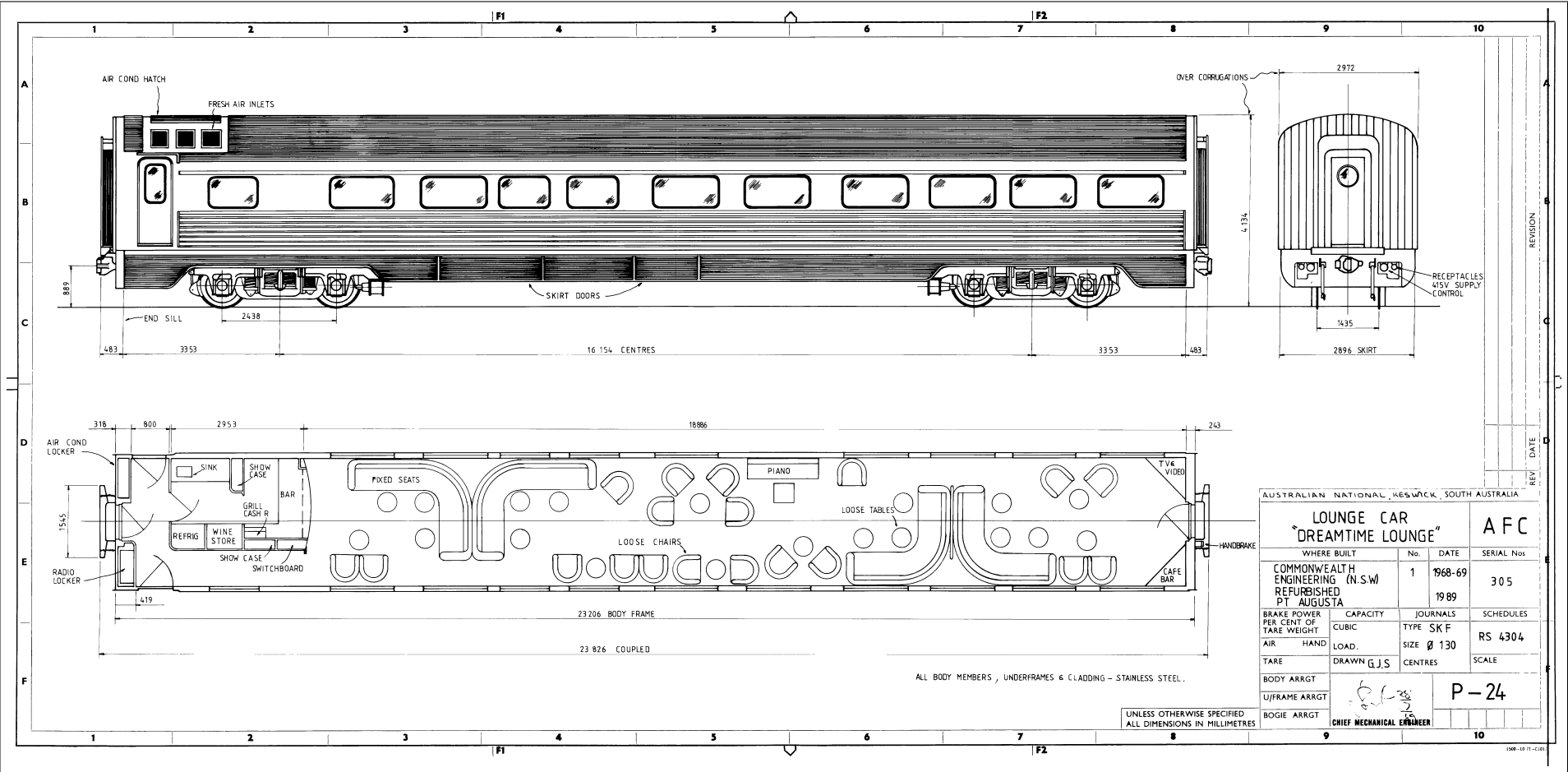


10.23 AOB Lounge Car Oasis Bar



PlanId: P23

10.24 AFC Lounge Car Dreamtime Lounge



PlanId: P24



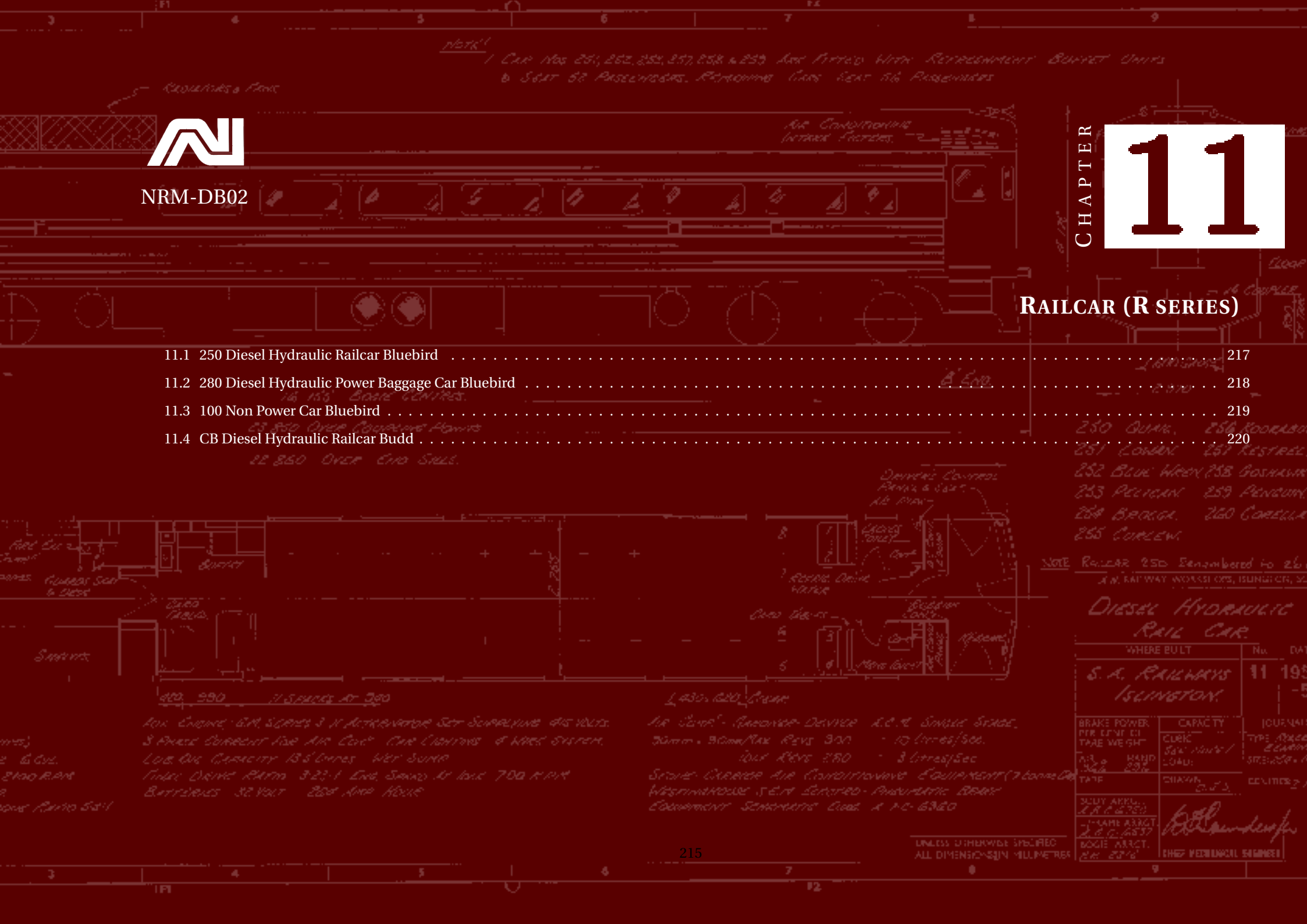
NRM-DB02

CHAPTER

11

RAILCAR (R SERIES)

- 11.1 250 Diesel Hydraulic Railcar Bluebird 217
- 11.2 280 Diesel Hydraulic Power Baggage Car Bluebird 218
- 11.3 100 Non Power Car Bluebird 219
- 11.4 CB Diesel Hydraulic Railcar Budd 220



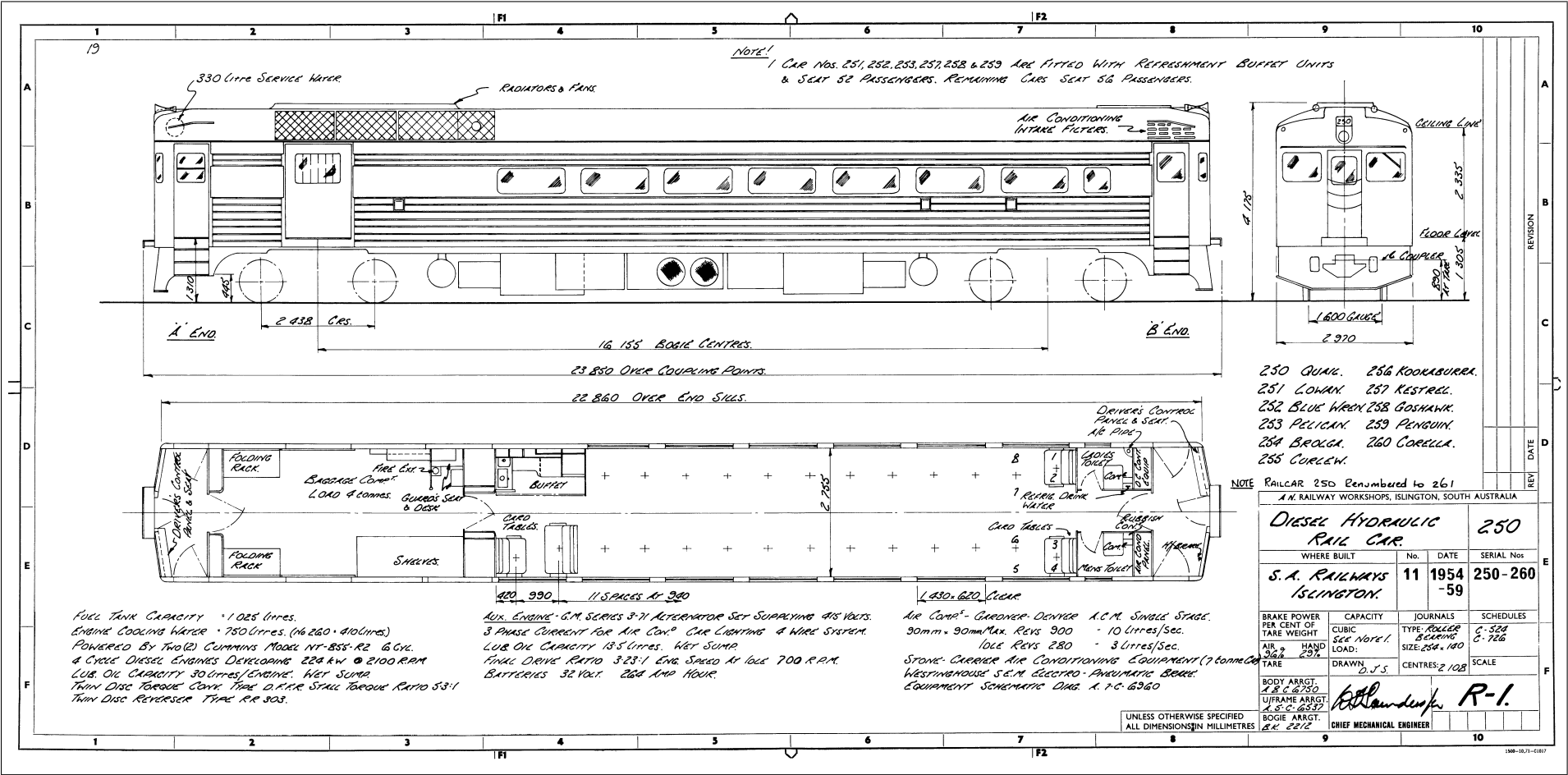
250 QUAK. 256 ROOMING
251 LONAN. 257 RESTROOM
252 BLUE WREN 258 GOSHAWK
253 PELICAN 259 PENGUIN
264 BRACKEN 260 CORRELLA
255 CORLEW.

NOTE RAILCAR 250 Renumbered to 260
A.N. RAILWAY WORKS LTD, ISLINGTON, 1951

DIESEL HYDRAULIC RAIL CAR.

WHERE BUILT		No.	DATE
S. A. RAILWAYS ISLINGTON.		11	1951
BRAKE POWER PER UNIT OF TRADE WEIGHT	CAPACITY CURIC SOL. MANT/ LOAD:	JOURNAL TYPE, SPACE EASING STRENGTH, & CENTRES 2	
AIR & WATER TANK	CHARGE G.W.	SIGNATURE DATE	
SOLY AERIAL L.A.C. 250	CHARGE G.W.	DATE	
BOGIE W.A.R.T. G.W.	CHARGE G.W.	DATE	

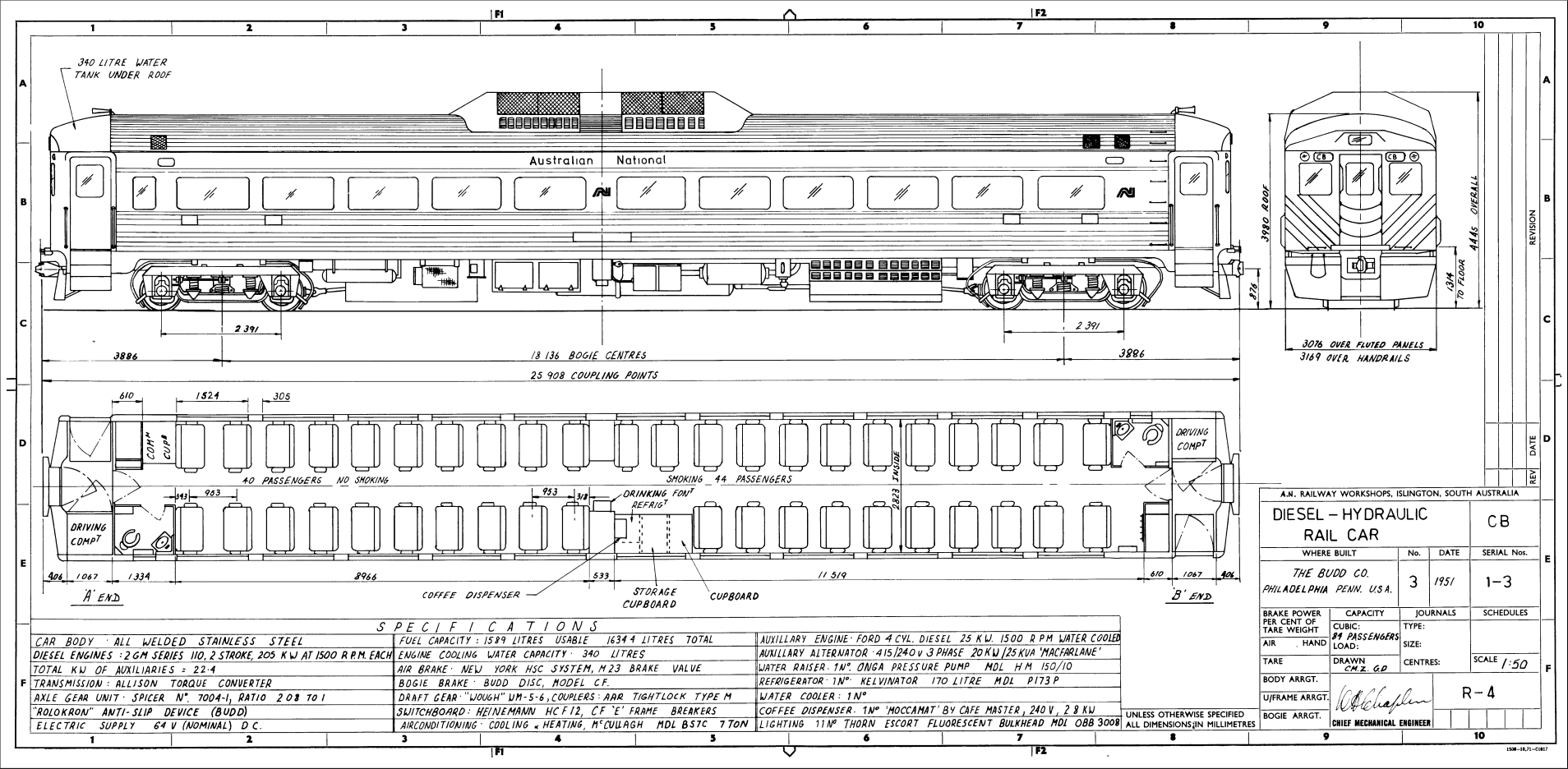
11.1 250 Diesel Hydraulic Railcar Bluebird



PlanId: R01



11.4 CB Diesel Hydraulic Railcar Budd



PlanId: R04



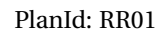
NRM-DB02

CHAPTER

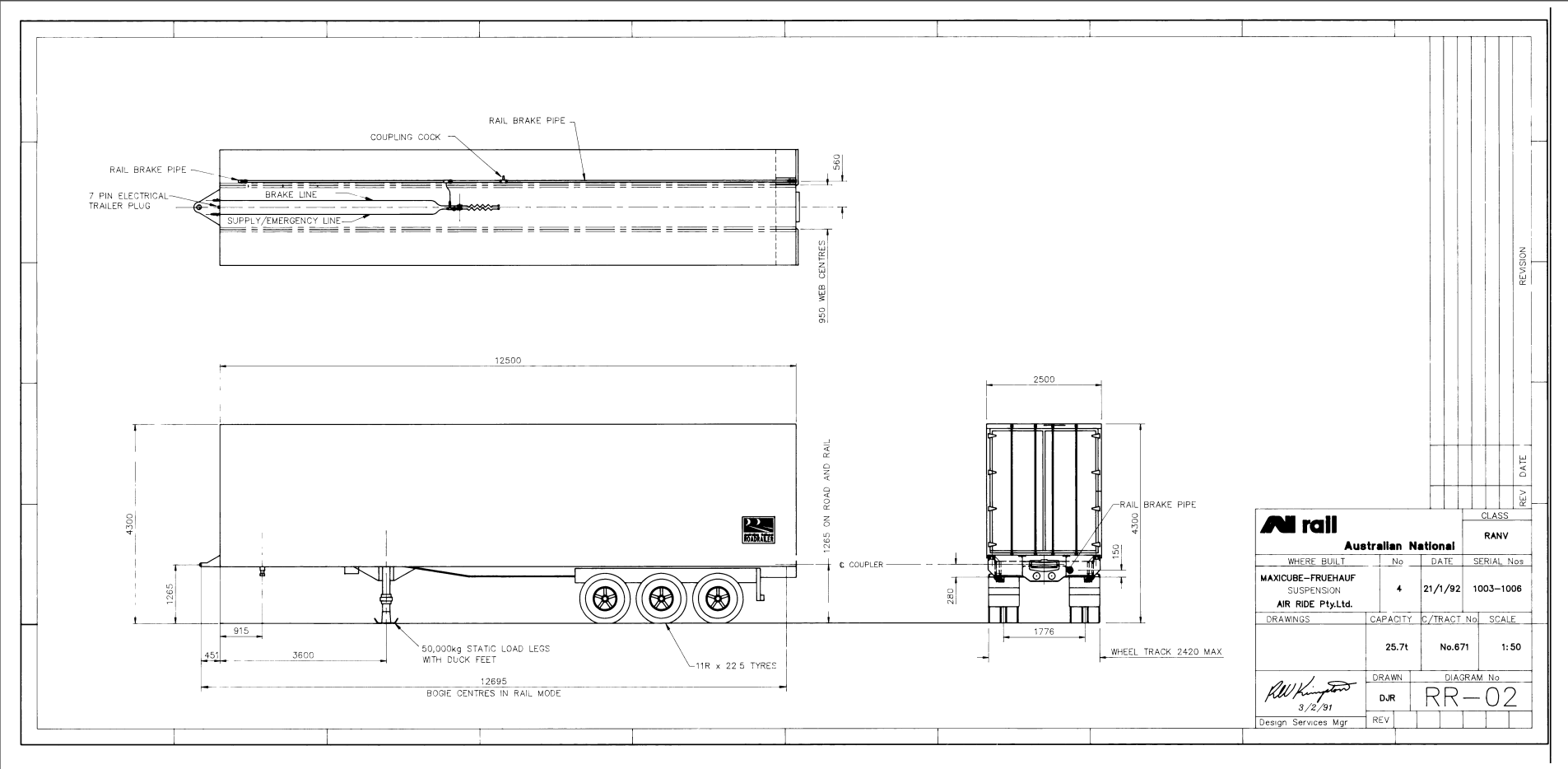
12

ROADRAILER (RR SERIES)

12.1	RCTF RoadRailer road trailer	223
12.2	RANV RoadRailer road trailer	224
12.3	RANS RoadRailer road trailer	225
12.4	RANS RoadRailer road trailer	226
12.5	RANC RoadRailer road trailer	227
12.6	RANR RoadRailer road trailer	228
12.7	RANT RoadRailer road tank trailer	229
12.8	RAND RoadRailer road trailer	230
12.9	RANB RoadRailer Pine Chip Carrier	231
12.10	RANL RoadRailer Pine Log Carrier	232
12.11	RTNM RoadRailer road trailer	233

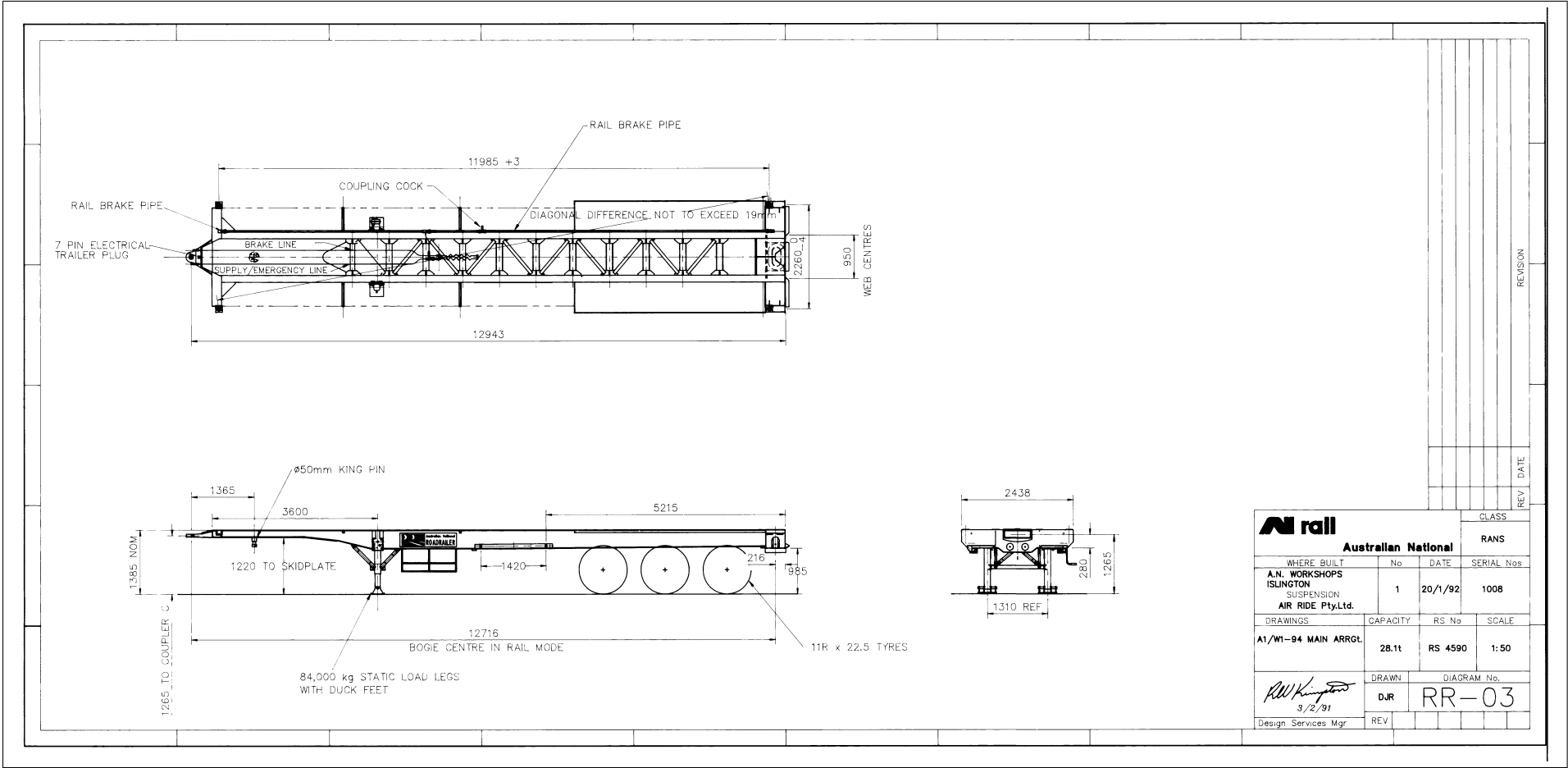


12.2 RANV RoadRailer road trailer

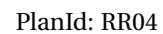


PlanId: RR02

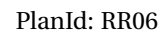
12.3 RANS RoadRailer road trailer



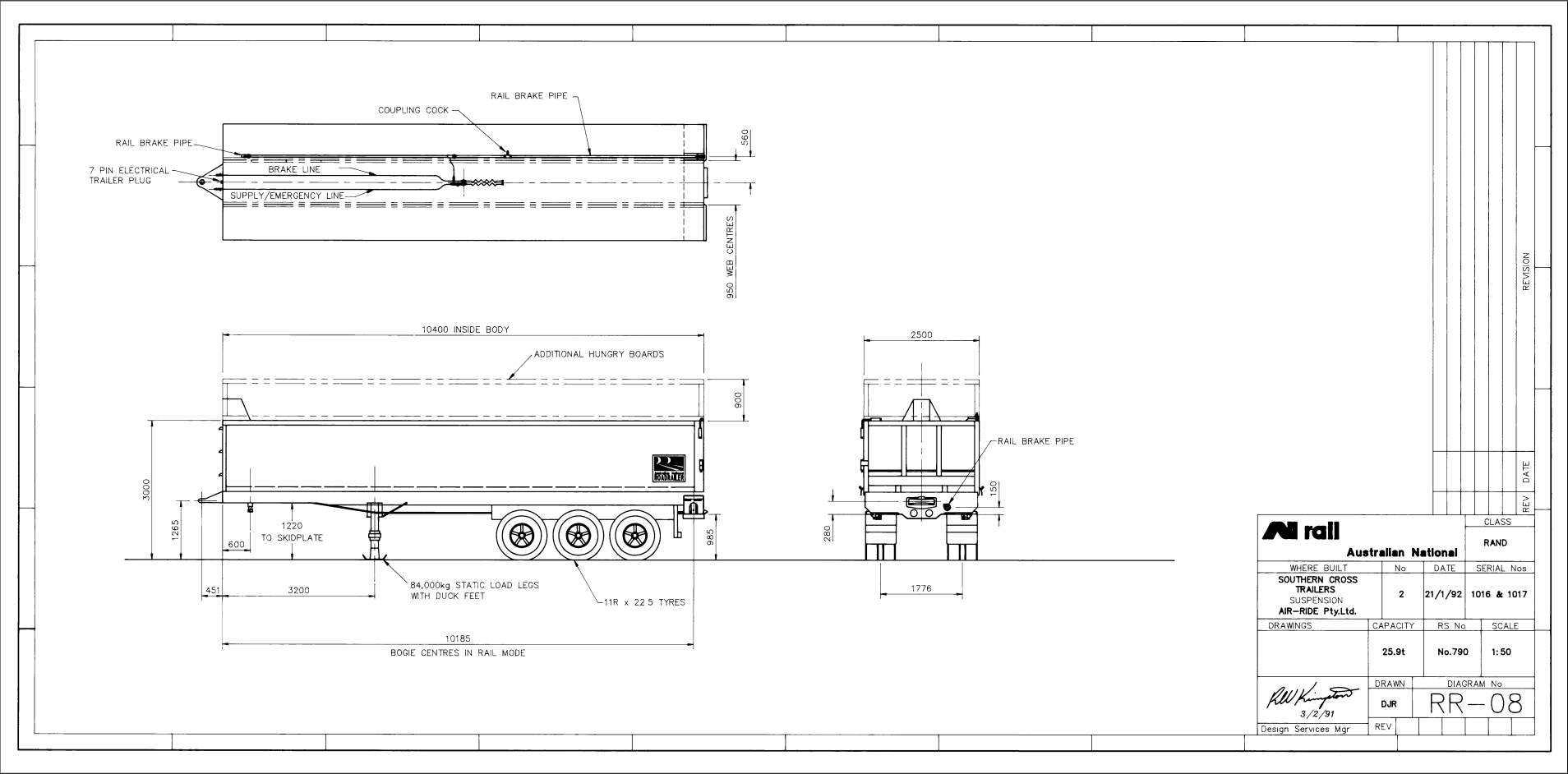
PlanId: RR03





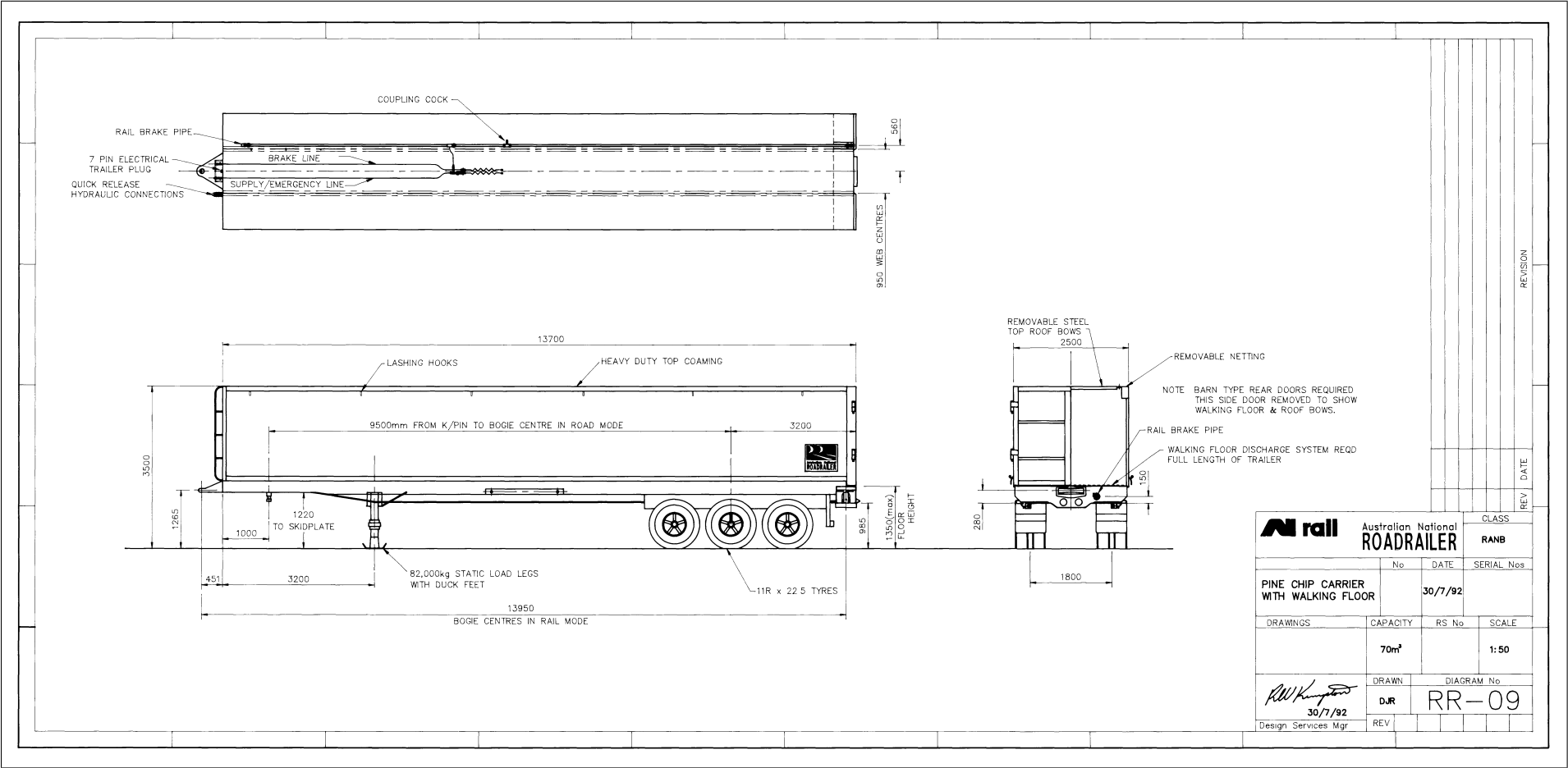


12.8 RAND RoadRailer road trailer



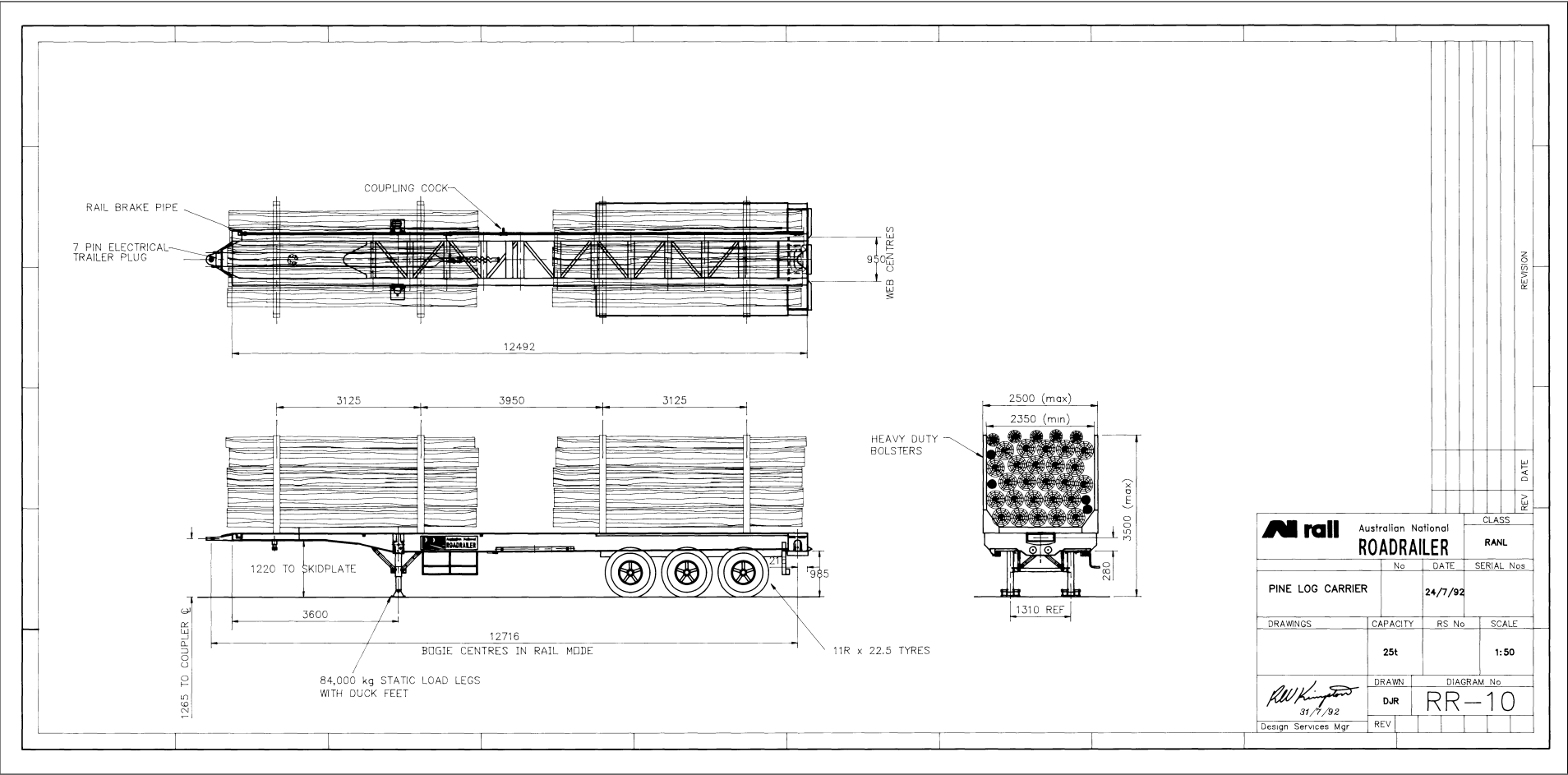
PlanId: RR08

12.9 RANB RoadRailer Pine Chip Carrier

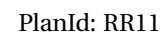


PlanId: RR09

12.10 RANL RoadRailer Pine Log Carrier



PlanId: RR10





NRM-DB02

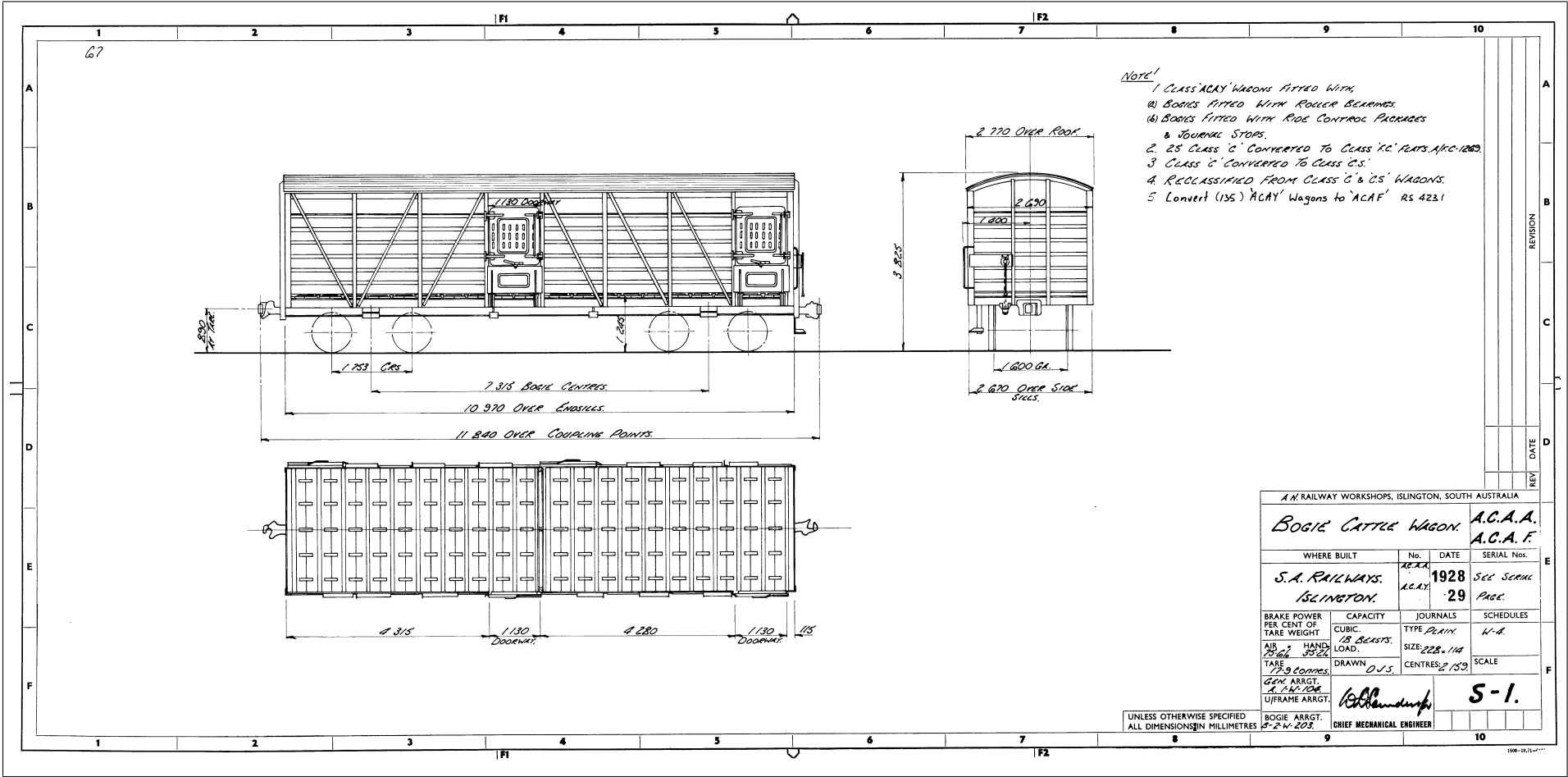
CHAPTER

13

STOCK (S SERIES)

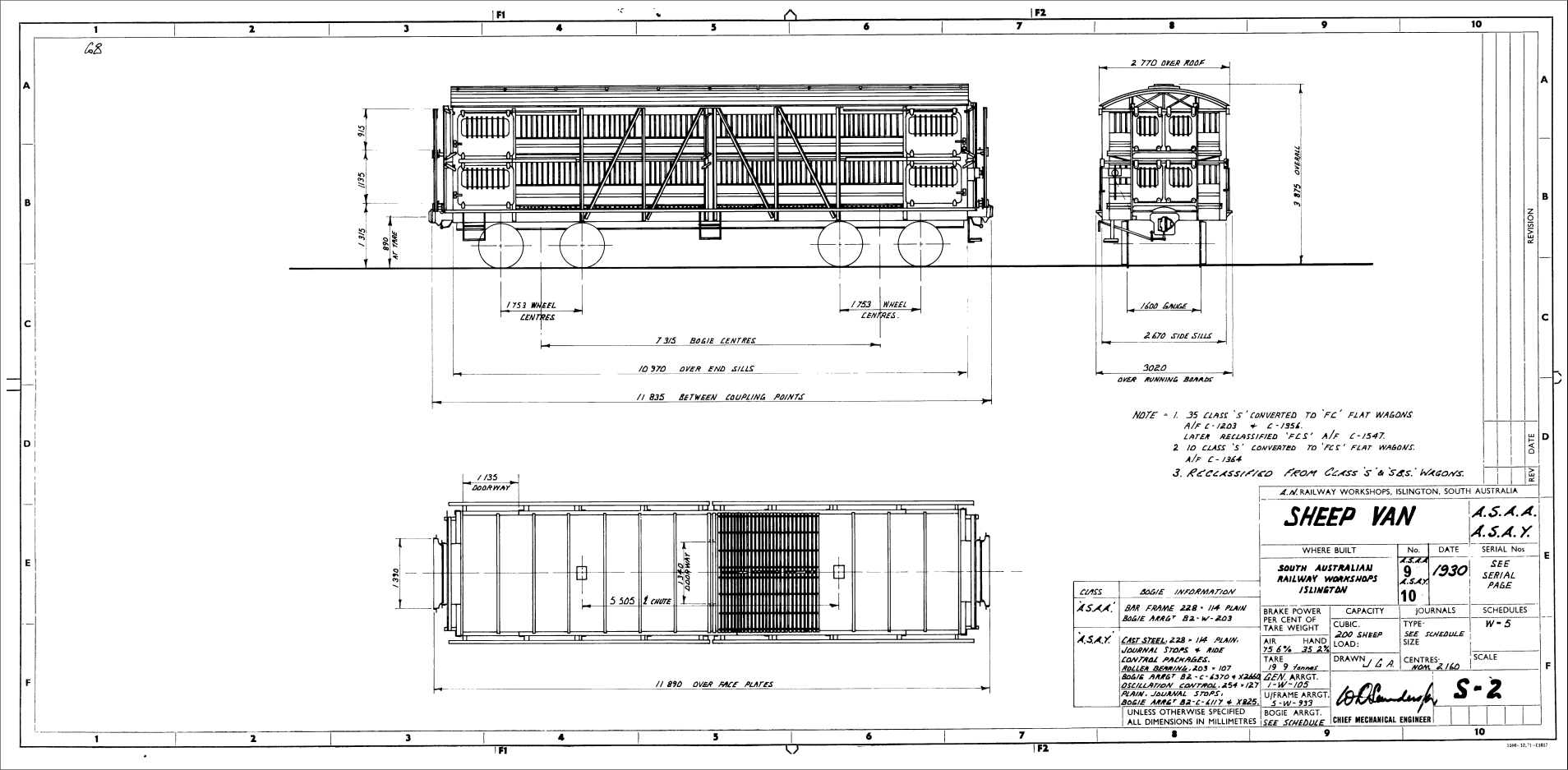
13.1	ACAA ACAF Bogie Cattle Wagon	237
13.2	ASAA ASAY Bogie Sheep Wagon	238
13.3	CF 4 Wheel Cattle Wagon	239
13.4	SF 4 Wheel Sheep Wagon	240
13.5	ACFF ACFA Bogie Cattle Wagon	241
13.6	ACGF Bogie Cattle Wagon	242
13.7	SCZ 4 Wheel Cattle Wagon	243
13.8	ASDF ASDA Bogie Sheep Wagon	244
13.9	ASEY Bogie Sheep Wagon	245
13.10	CFN GCF 4 Wheel Cattle Wagon	246

13.1 ACAA ACAF Bogie Cattle Wagon



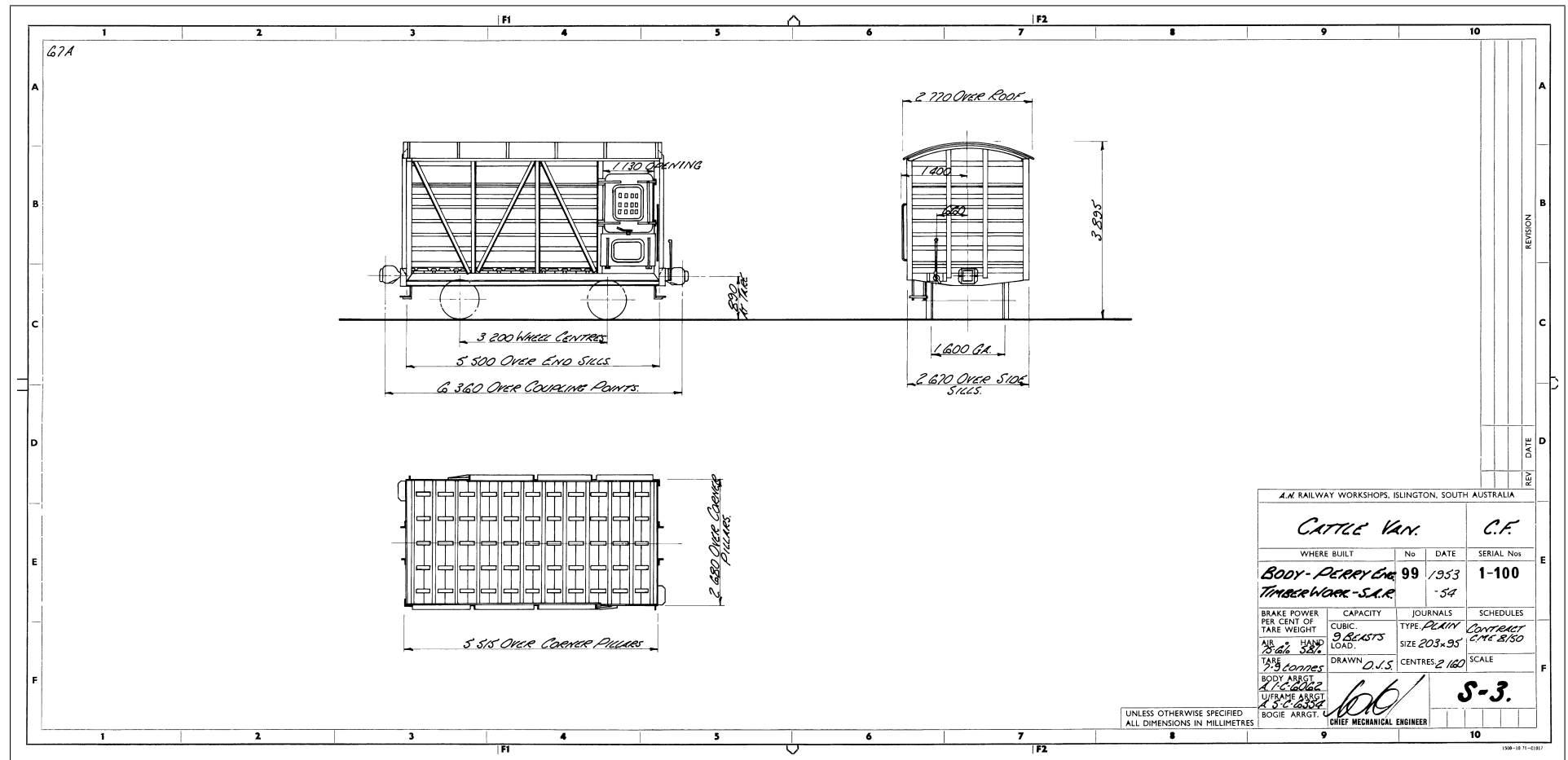
PlanId: S01

13.2 ASAA ASAY Bogie Sheep Wagon



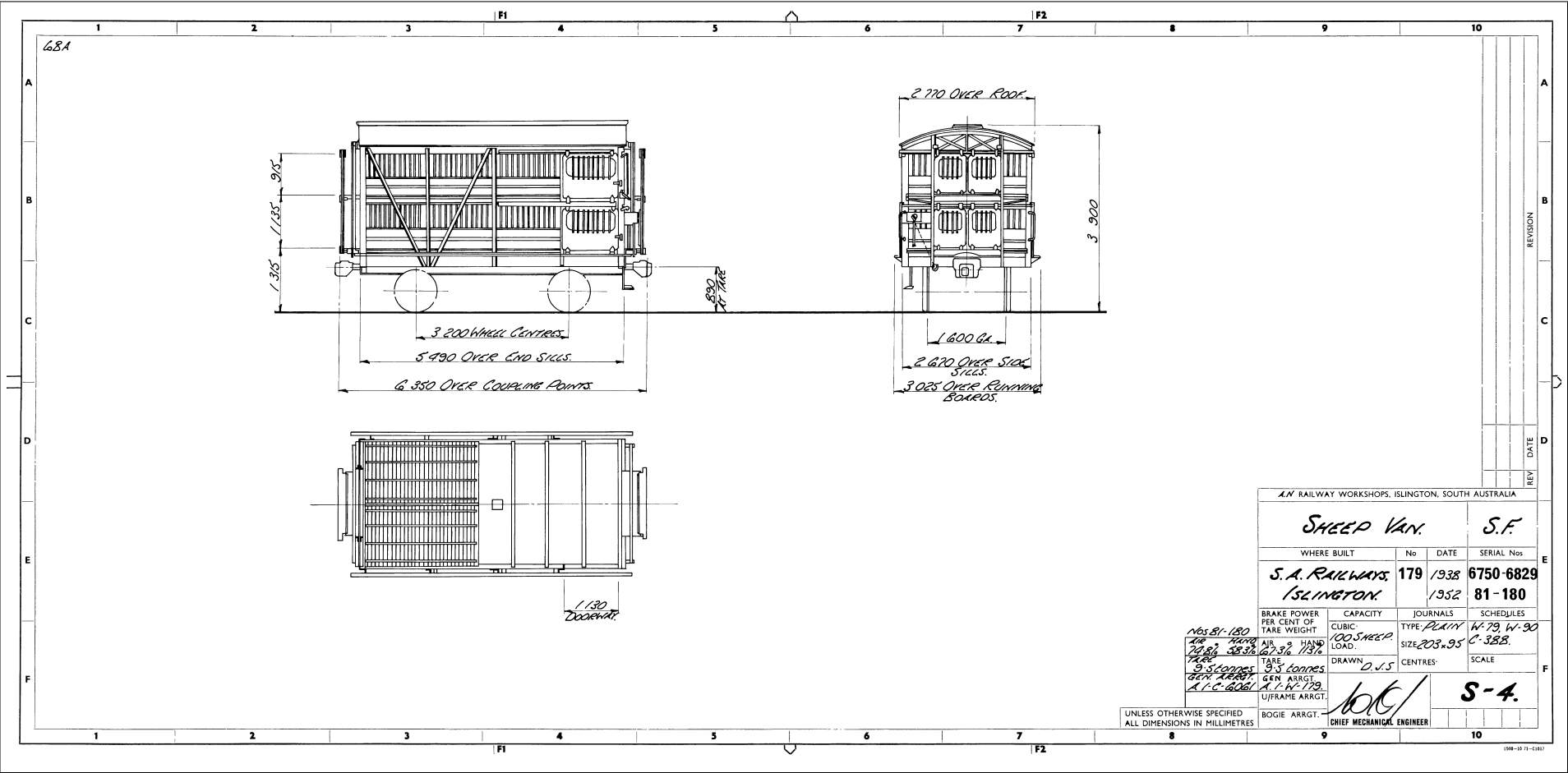
PlanId: S02

13.3 CF 4 Wheel Cattle Wagon



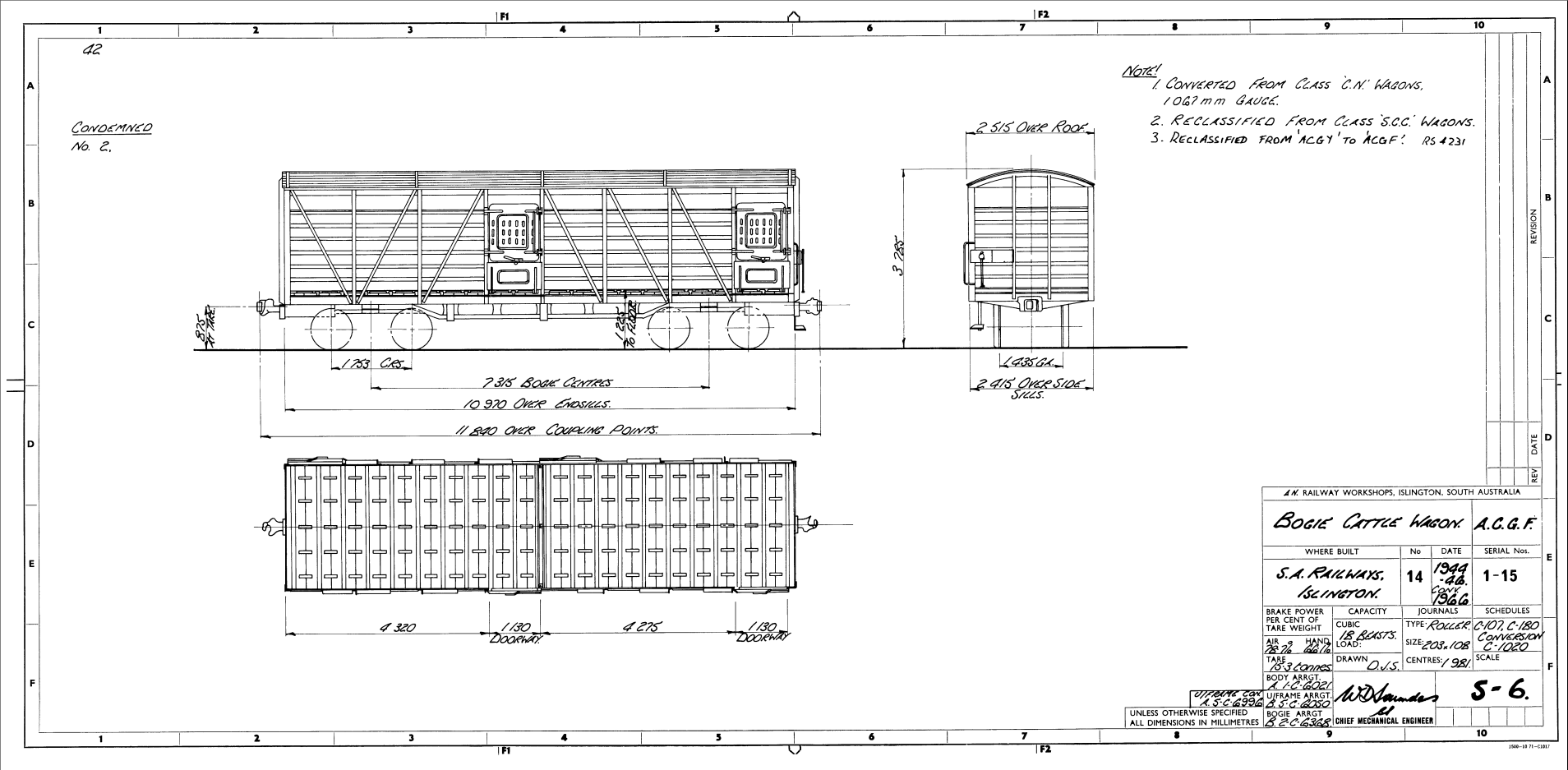
PlanId: S03

13.4 SF 4 Wheel Sheep Wagon



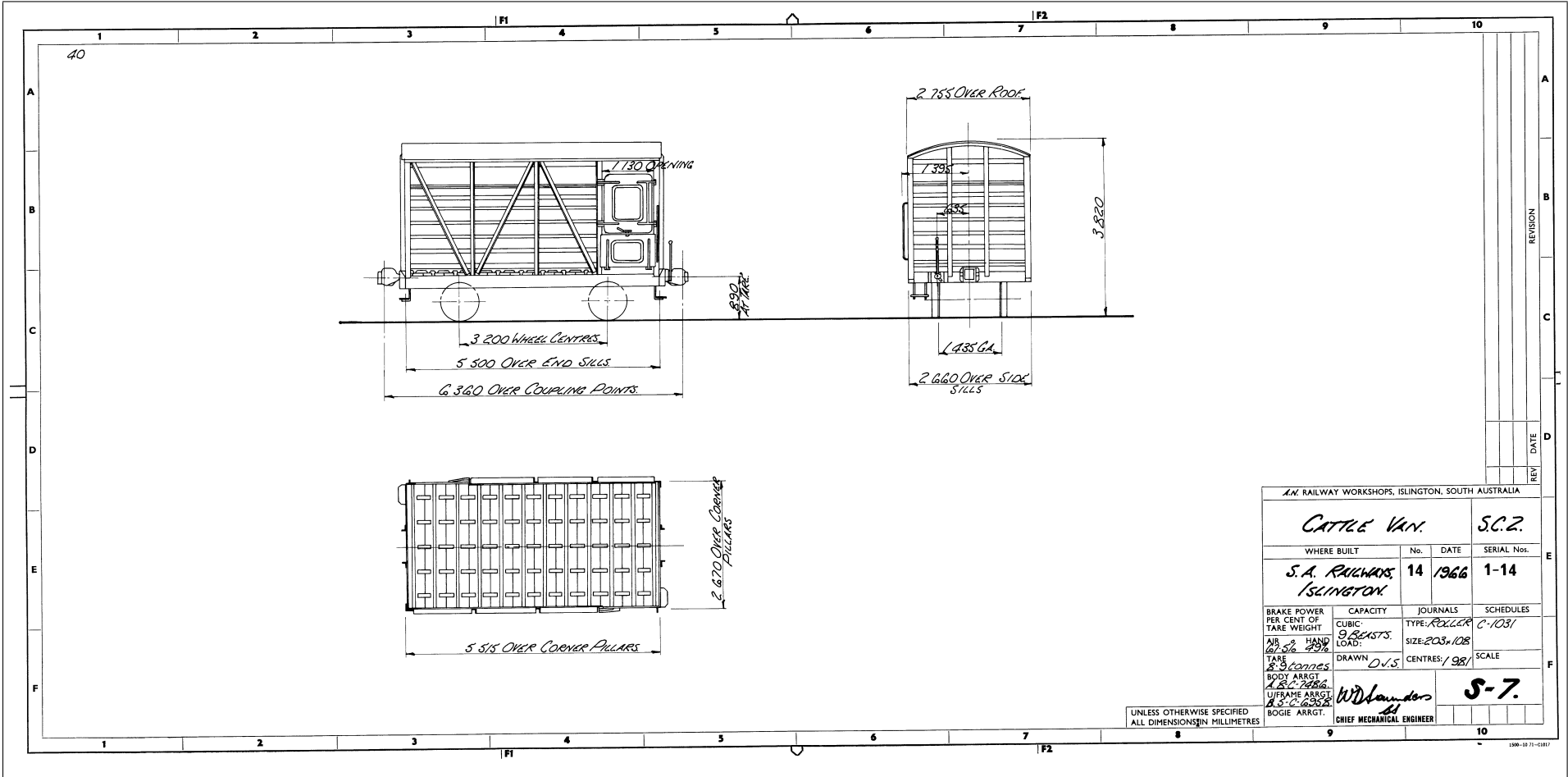
PlanId: S04

13.6 ACGF Bogie Cattle Wagon



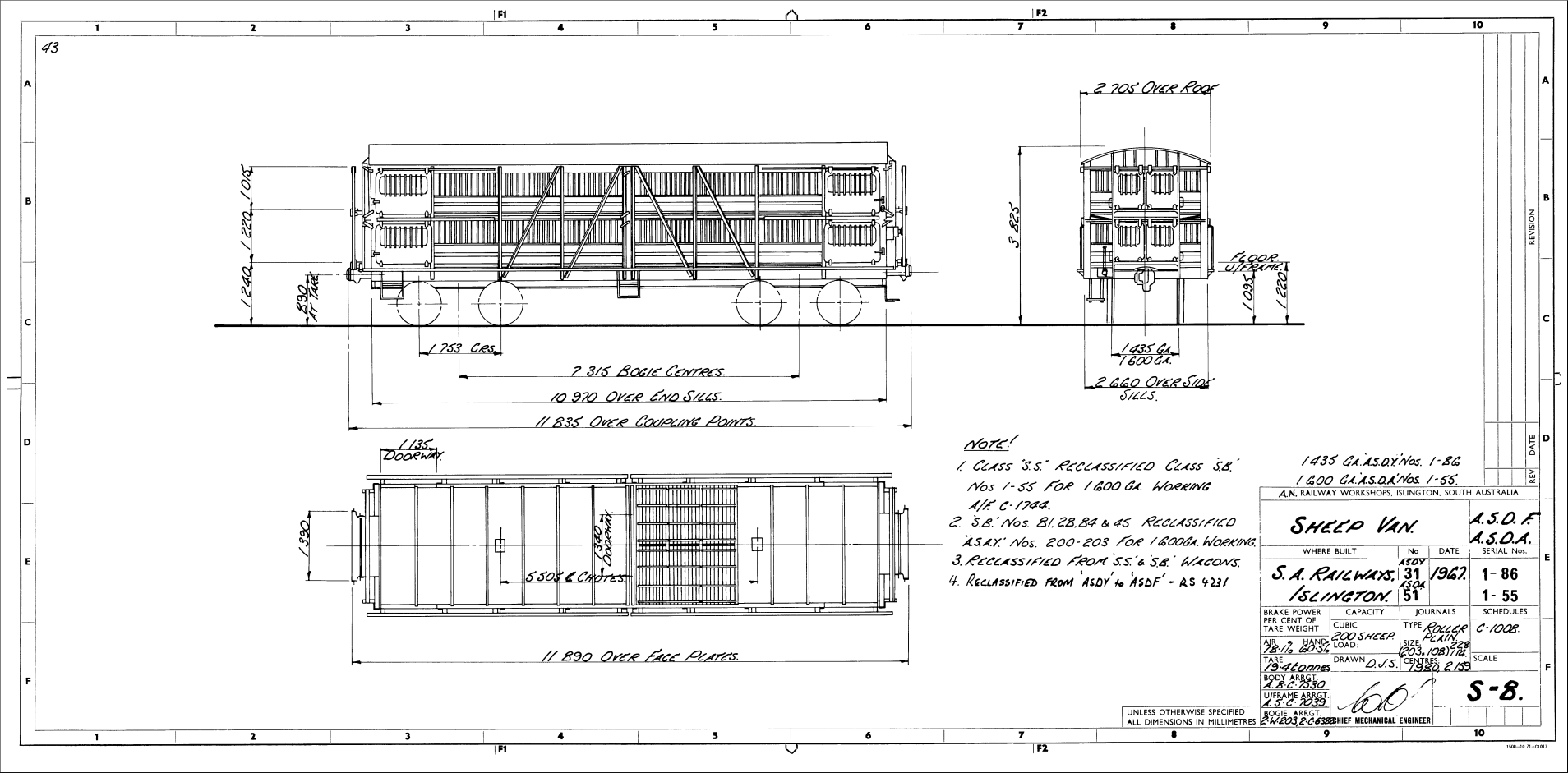
PlanId: S06

13.7 SCZ 4 Wheel Cattle Wagon



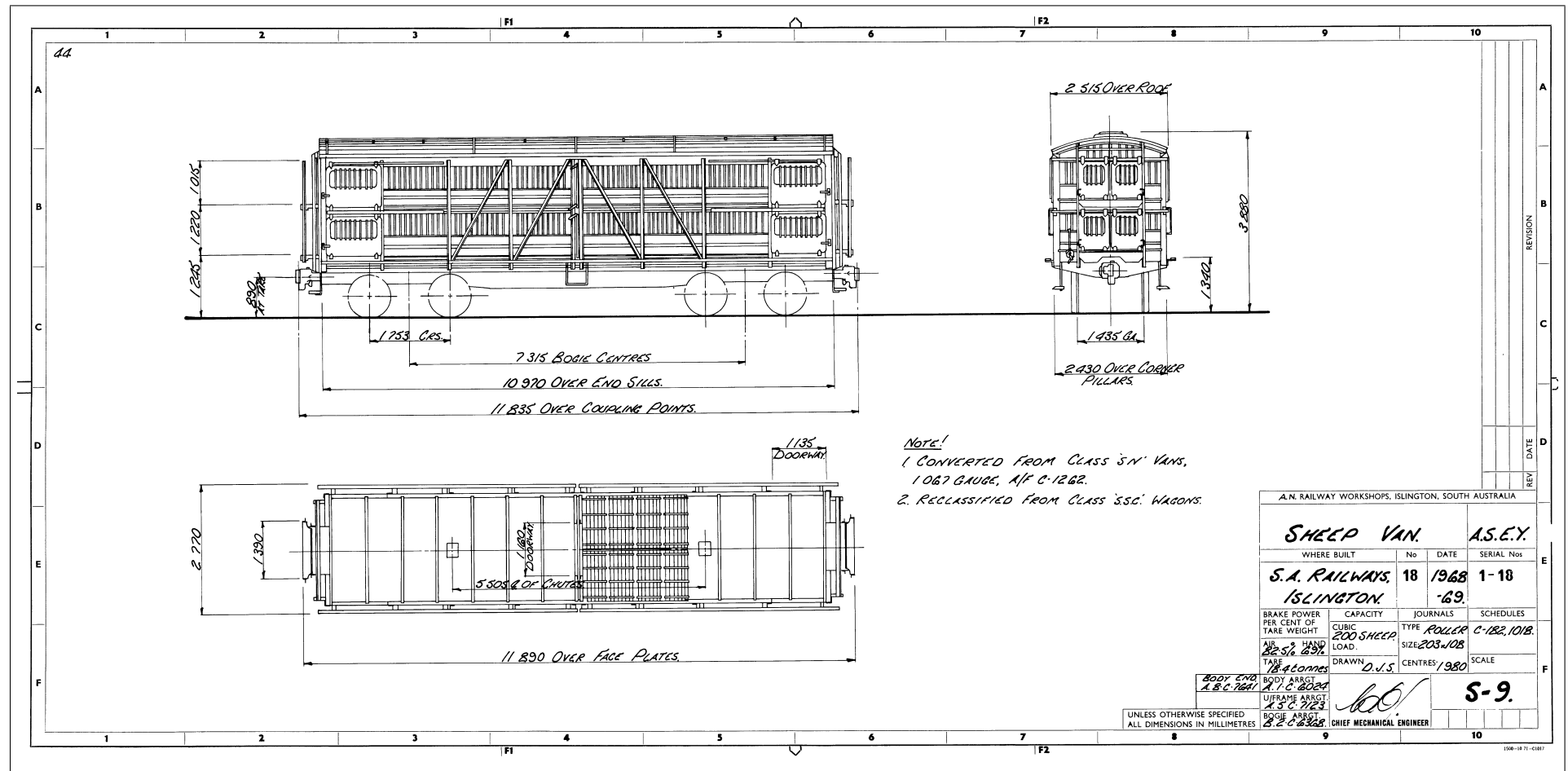
PlanId: S07

13.8 ASDF ASDA Bogie Sheep Wagon



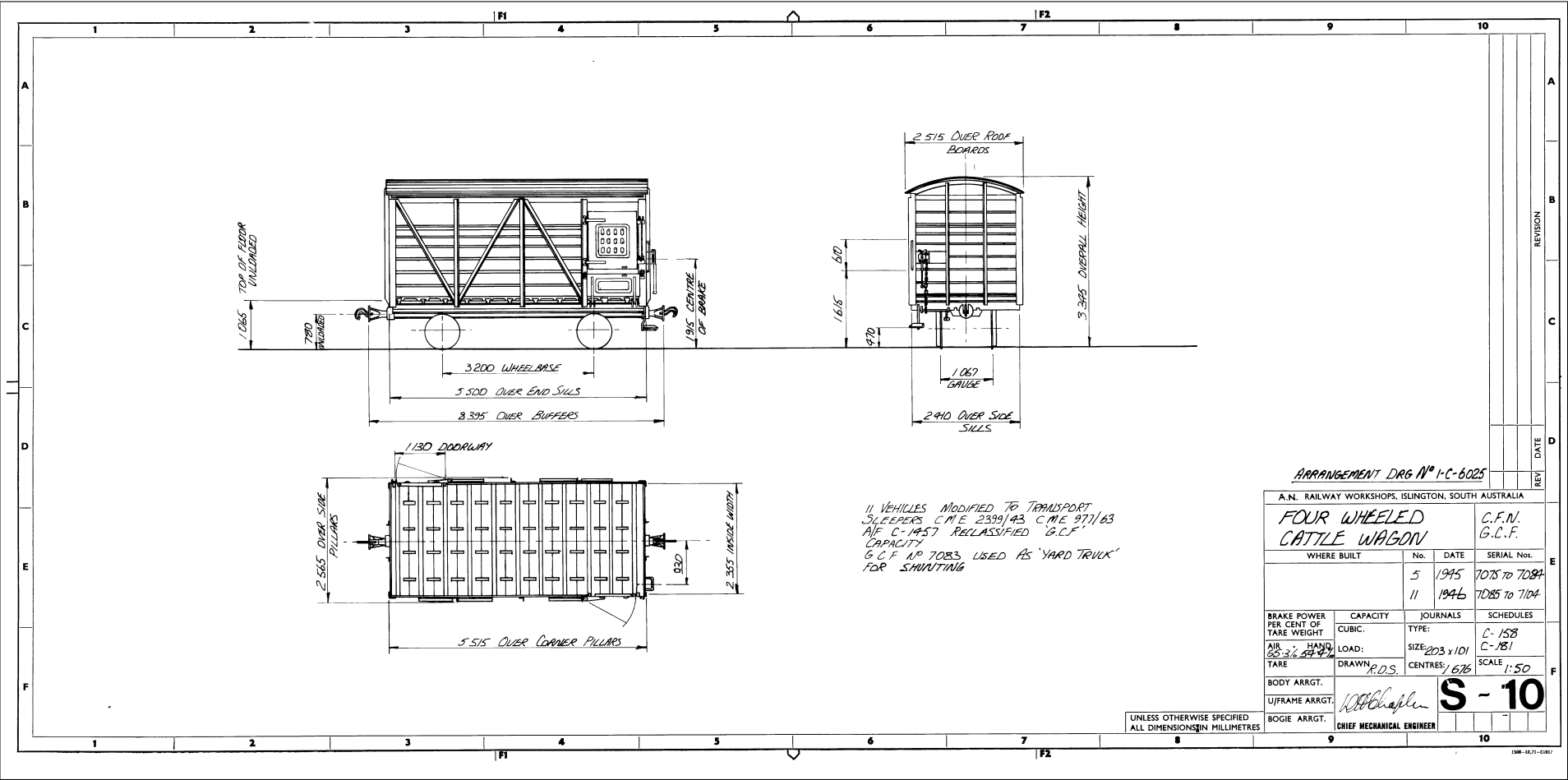
PlanId: S08

13.9 ASEY Bogie Sheep Wagon



PlanId: S09

13.10 CFN GCF 4 Wheel Cattle Wagon



PlanId: S10



NRM-DB02

CHAPTER

14

TANKS (T SERIES)

14.1	ATCX 50 000L Creosote Tank Wagon	251
14.2	STW 50 000L Water Tank Wagon	252
14.3	TV 45 900L General Purpose Tank Wagon	253
14.4	TA 27 200L Sulphuric Acid Tank Wagon	254
14.5	ATAX 27 200L Sulphuric Acid Tank Wagon	255
14.6	TB ATMY 36 800L Triple Compartment Tank Wagon	256
14.7	ATAY ATAL 20 450L Sulphuric Acid Tank Wagon	257
14.8	ATAY 20 450L Sulphuric Acid Tank Wagon	258
14.9	ATAY ATAL 20 450L Sulphuric Acid Tank Wagon	259
14.10	ATAY ATAL 20 450L Sulphuric Acid Tank Wagon	260
14.11	ATAY 20 450L Sulphuric Acid Tank Wagon	261
14.12	ATMY 22 700L Single Compartment Tank Wagon	262
14.13	TV 22 700L Single Compartment Tank Wagon	263
14.14	STPC 22 700L Single Compartment Tank Wagon	264
14.15	STPC STZC 22 700L Single Compartment Tank Wagon	265
14.16	STBC 42 000L Single Compartment Tank Wagon	266
14.17	STBC 42 000L Single Compartment Tank Wagon	267

14. TANKS (T SERIES)

14.18TV ATMY 45 460L Bitumen Tank Wagon	268
14.19TV 45 460L Bitumen Tank Wagon	269
14.20ATMY 44 370L Single Compartment Tank Wagon	270
14.21ATCY ATCL 39 900 Two Compartment Tank Wagon	271
14.22ATCL 39 900L Three Compartment Tank Wagon	272
14.23TCA 45 460L Two Compartment Tank Wagon	273
14.24ATCL TCA 25 000L Single Compartment Tank Wagon	274
14.25TCA 45 460L Two Compartment Tank Wagon	275
14.26ATCL 45 460L Two Compartment Tank Wagon	276
14.27ATMY TV 22 700L Single Compartment Tank Wagon	277
14.28ATMY TV 39 600L Single Compartment Tank Wagon	278
14.29ATMY 39 000L Three Compartment Tank Wagon	279
14.30ATMY TV 45 460L Three Compartment Tank Wagon	280
14.31ATMY 39 000L Three Compartment Tank Wagon	281
14.32ATMY 23 700L Three Compartment Tank Wagon	282
14.33ATMY 38 900L Three Compartment Tank Wagon	283
14.34TV 45 200L Single Compartment Tank Wagon	284
14.35TC 45 460L Three Compartment Tank Wagon	285
14.36TC 45 460L Two Compartment Tank Wagon	286
14.37TC 25 450L Single Compartment Tank Wagon	287
14.38TC 27 460L Single Compartment Tank Wagon	288
14.39TC 45 460L Two Compartment Tank Wagon	289
14.40TV ATMY 45 460L Bitumen Tank Wagon	290
14.41TV 45 460L Single Compartment Tank Wagon	291
14.42ATMY TV 22 800L Single Compartment Tank Wagon	292
14.43TV 45 460L Single Compartment Tank Wagon	293
14.44STM 44 965L Three Compartment Tank Wagon	294

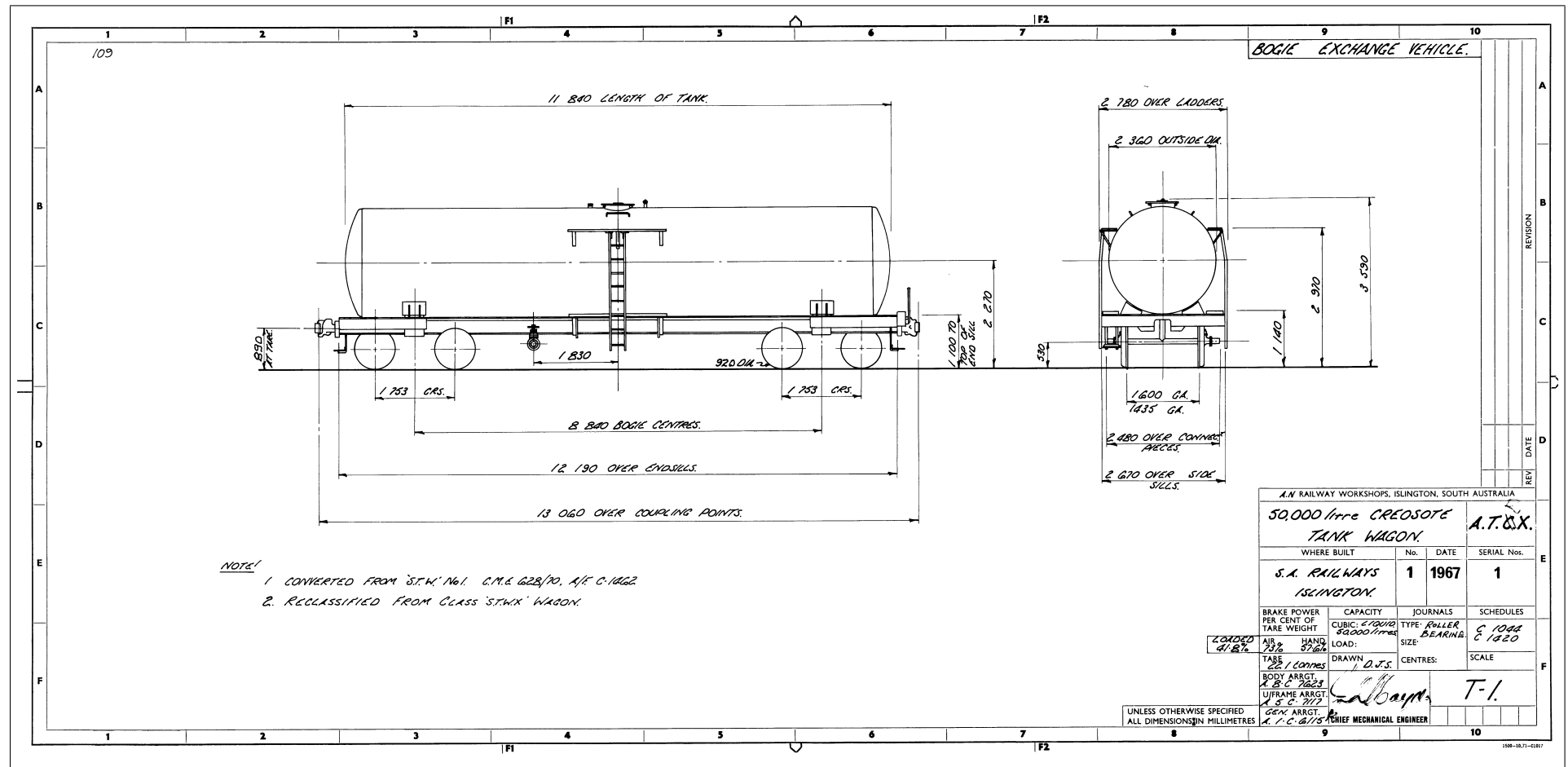
14.45 STM 45 000L Single Compartment Tank Wagon	295
14.46 STM 45 000L Single Compartment Tank Wagon	296
14.47 STMC 22 140L Single Compartment Tank Wagon	297
14.48 STMC 22 550L Single Compartment Tank Wagon	298
14.49 TC 25 000L 4 Wheel Two Compartment Tank Wagon	299
14.50 STSC TS 52 300L Single Compartment Tank Wagon	300
14.51 TDF 40 860L Single Compartment Tank Wagon	301
14.52 TDF TCO 40 910L Single Compartment Tank Wagon	302
14.53 TDF 40 910L Single Compartment Tank Wagon	303
14.54 TDF TCO TW 40 910L Single Compartment Tank Wagon	304
14.55 TDF TCO TW 40 910L Single Compartment Tank Wagon	305
14.56 TW 40 910L Single Compartment Tank Wagon	306
14.57 TG 22 730L Single Compartment Tank Wagon	307
14.58 YA 4 Wheel Portable Acid Container	308
14.59 TS TC ATMY 40 550L Single Compartment Tank Wagon	309
14.60 TS TV 40 550L Single Compartment Tank Wagon	310
14.61 STCC 21 680L Two Compartment Tank Wagon	311
14.62 ATBL 22 900L Single Compartment Tank Wagon	312
14.63 ATBL 46 980L Single Compartment Tank Wagon	313
14.64 STSC 19 100L Five Compartment Tank Wagon	314
14.65 STSC 22 900L Three Compartment Tank Wagon	315
14.66 STSC 22 775L Single Compartment Tank Wagon	316
14.67 STSC 40 090L Single Compartment Tank Wagon	317
14.68 STSC STBC 22 000L Single Compartment Tank Wagon	318
14.69 STSC 24 000L Single Compartment Tank Wagon	319
14.70 STSC 22 400L Single Compartment Tank Wagon	320
14.71 STS 48 190L Single Compartment Tank Wagon	321

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS IN MILLIMETRES

BRAKE POWER	CAPACITY	JOURNAL
TRAILER WEIGHT	CLERK	TYPE SPACE
AXLE LOAD	SEALED	LOADING
AXLE WEIGHT	CHARGE	UNLOADING
AXLE WEIGHT	CHARGE	UNLOADING
AXLE WEIGHT	CHARGE	UNLOADING
AXLE WEIGHT	CHARGE	UNLOADING
AXLE WEIGHT	CHARGE	UNLOADING
AXLE WEIGHT	CHARGE	UNLOADING
AXLE WEIGHT	CHARGE	UNLOADING
AXLE WEIGHT	CHARGE	UNLOADING

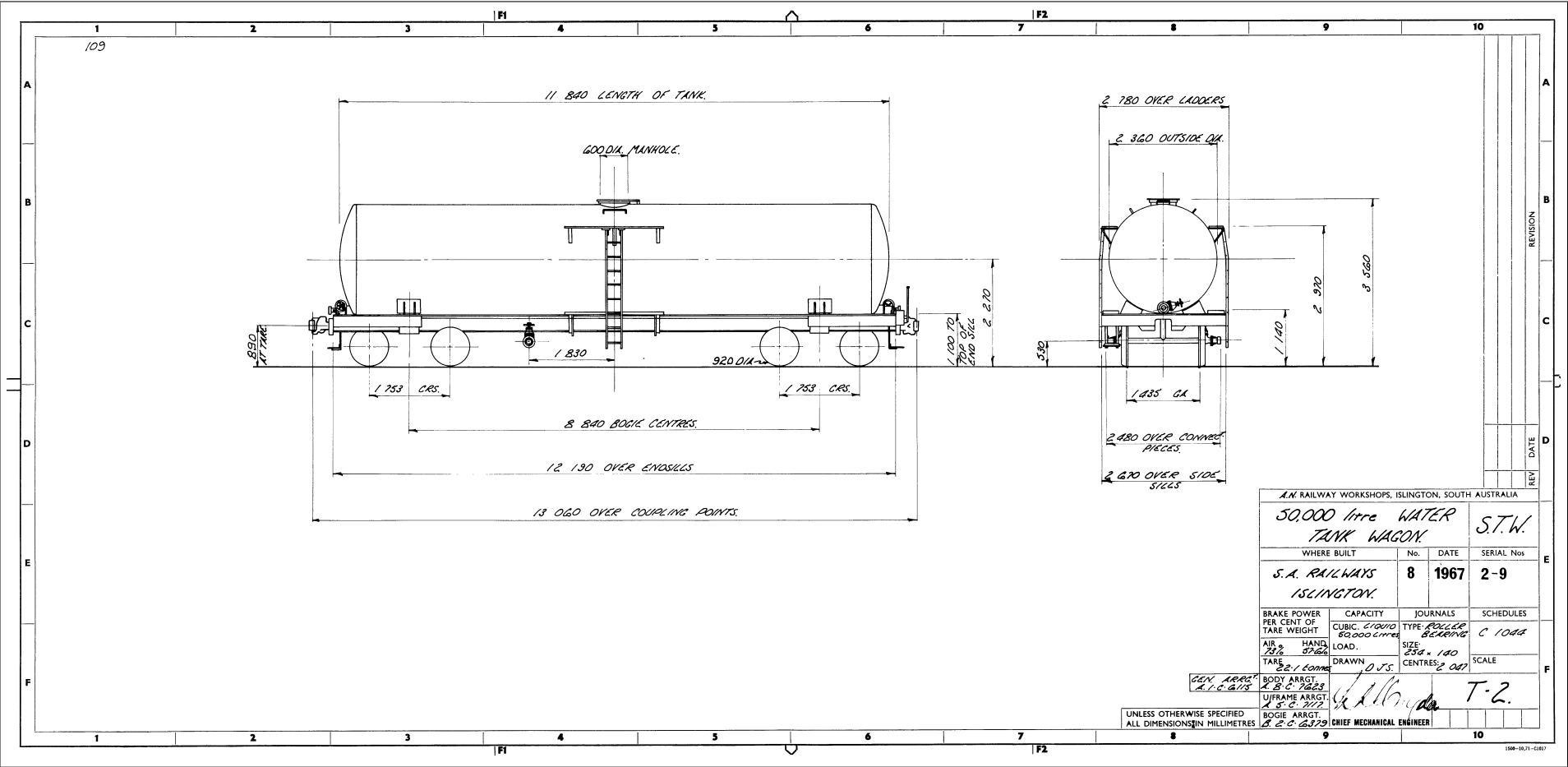
249

14.1 ATCX 50 000L Creosote Tank Wagon



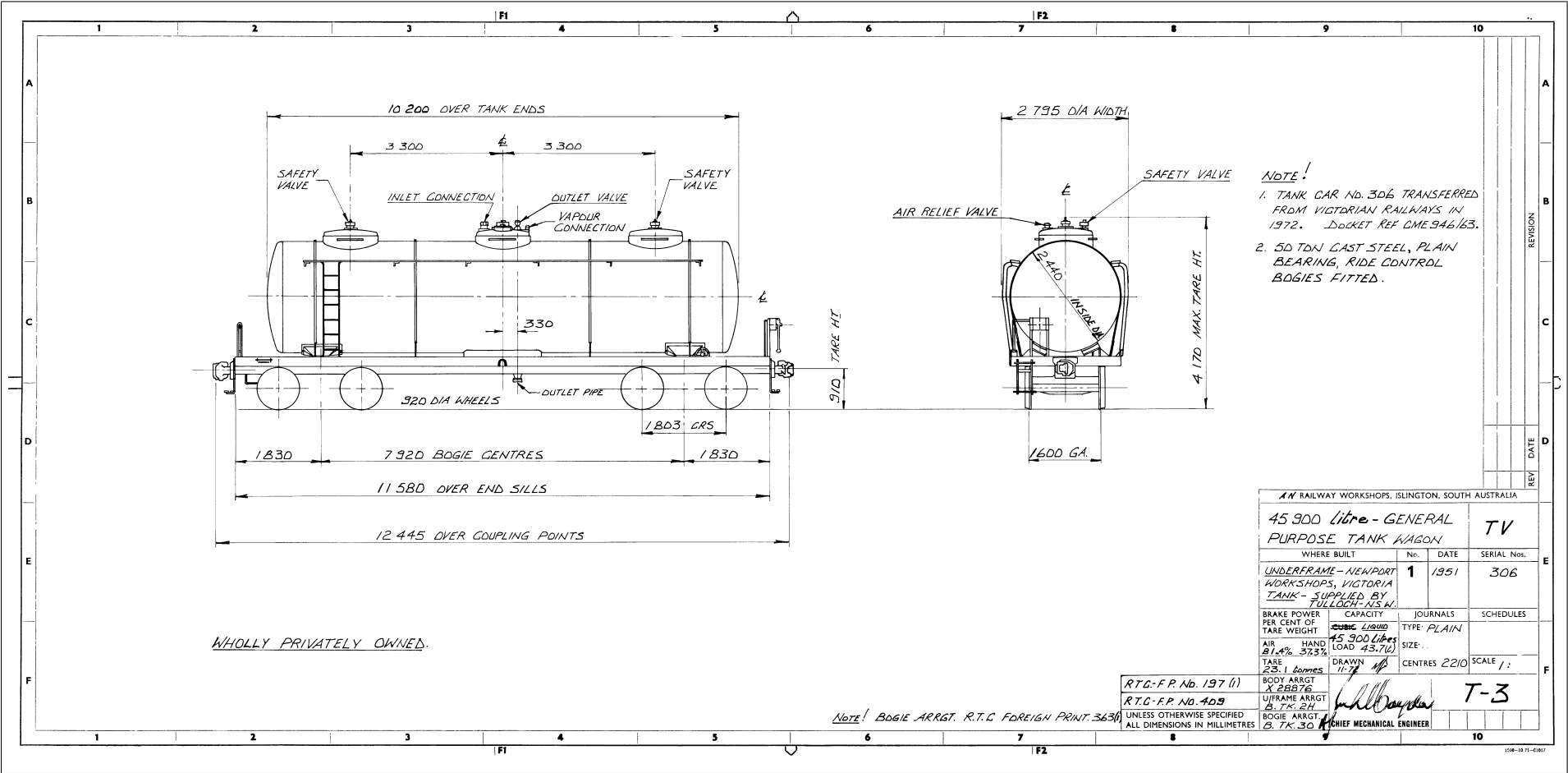
PlanId: T01

14.2 STW 50 000L Water Tank Wagon



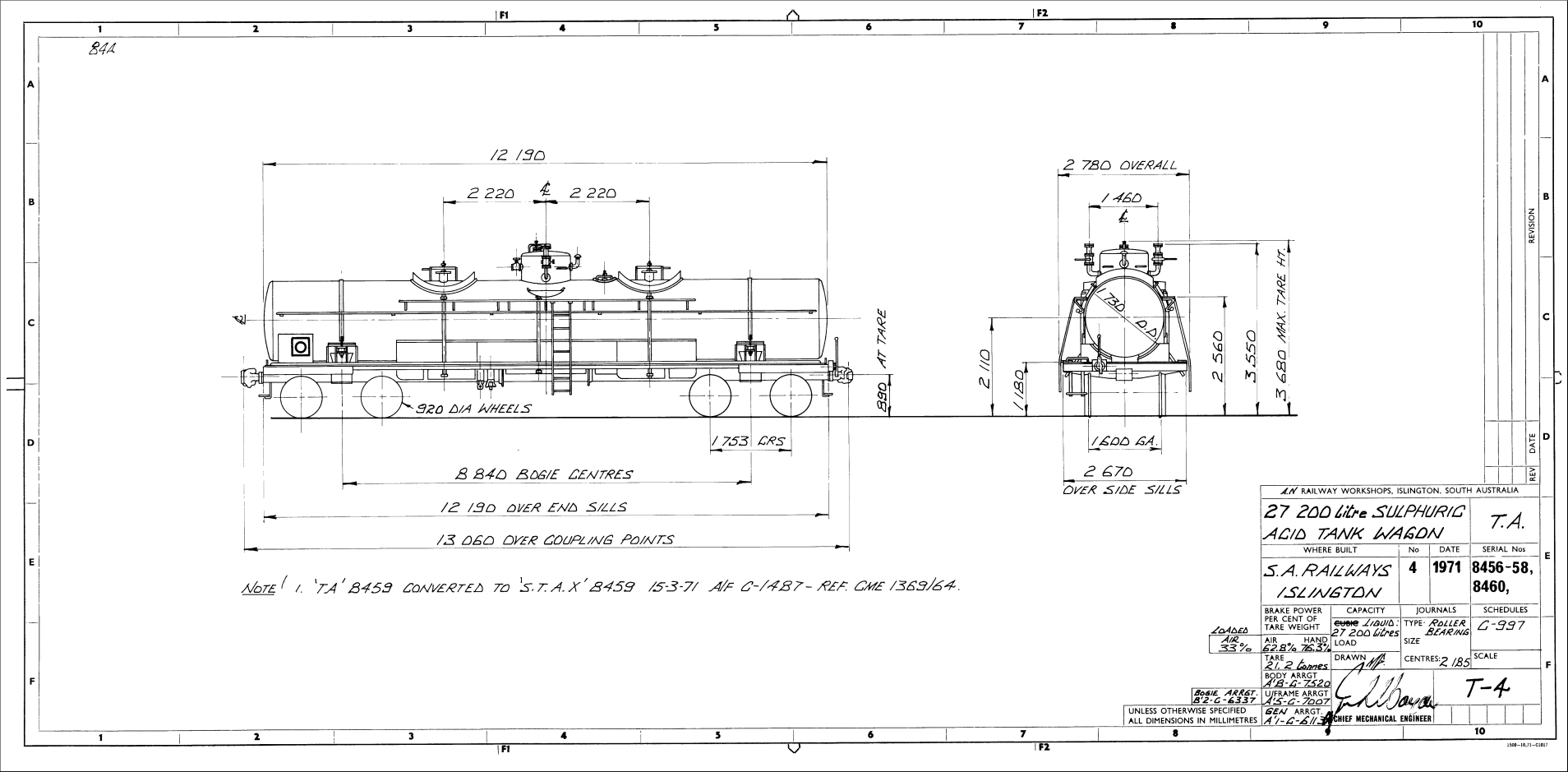
PlanId: T02

14.3 TV 45 900L General Purpose Tank Wagon



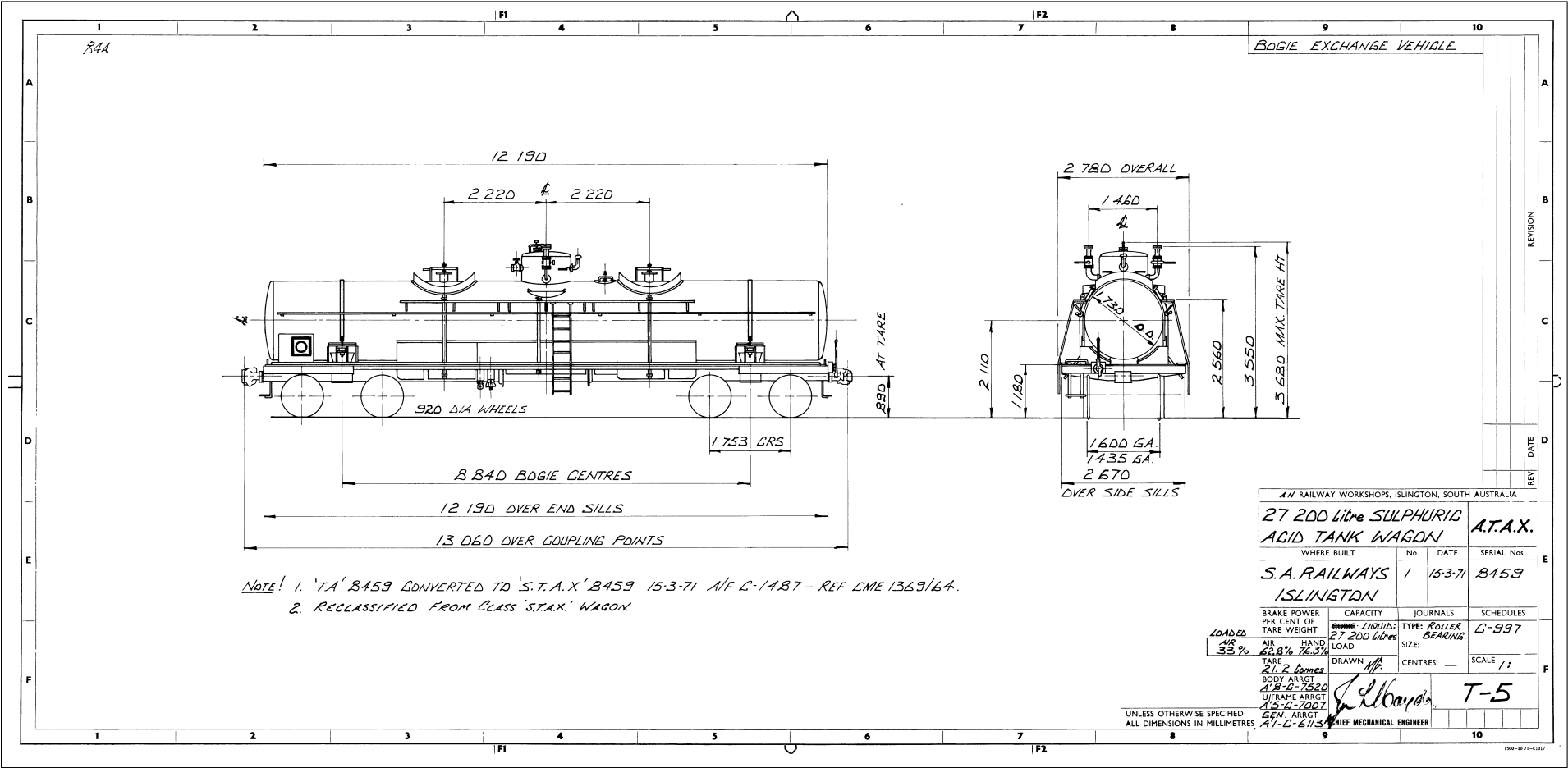
PlanId: T03

14.4 TA 27 200L Sulphuric Acid Tank Wagon



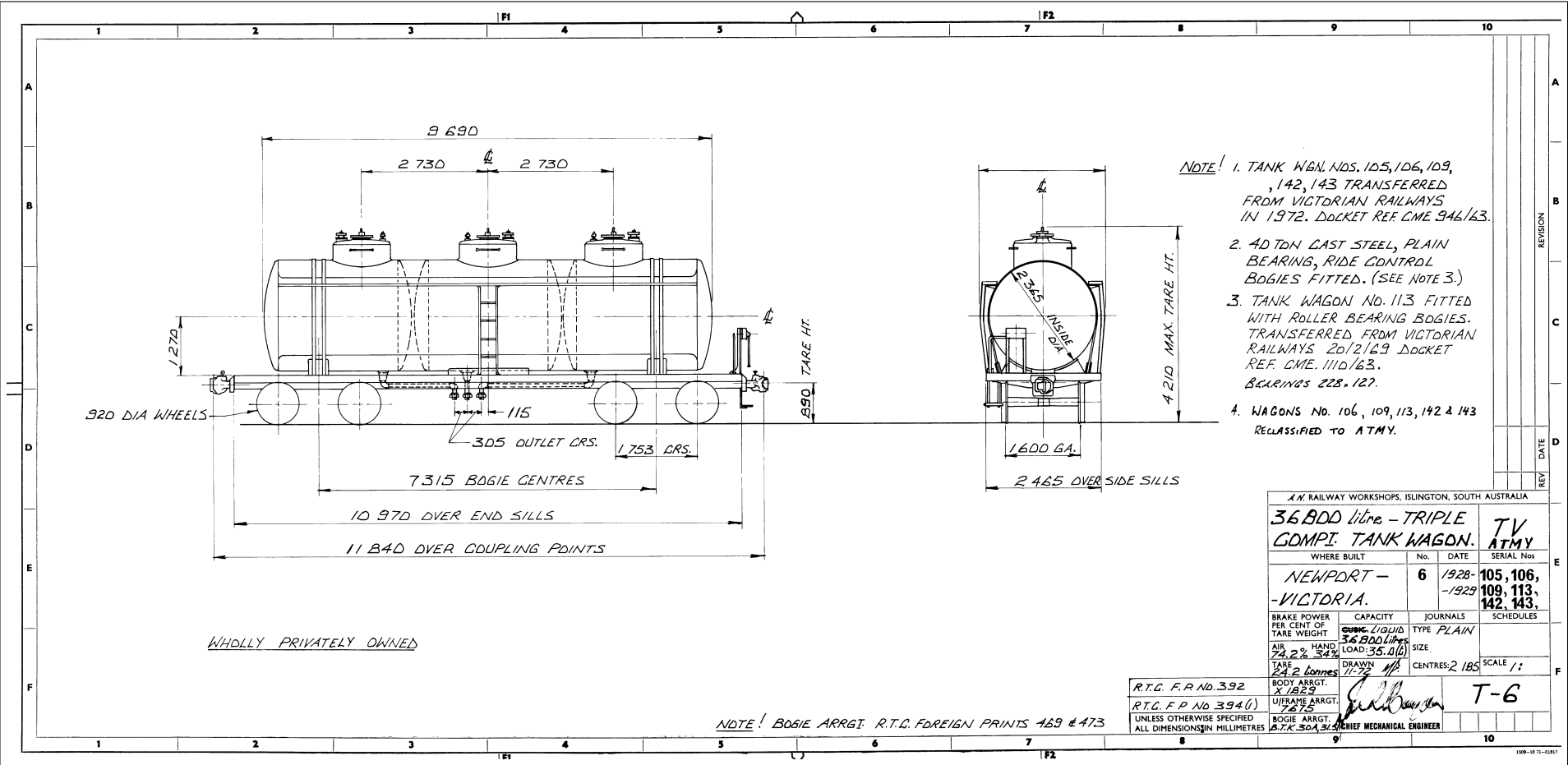
PlanId: T04

14.5 ATAX 27 200L Sulphuric Acid Tank Wagon



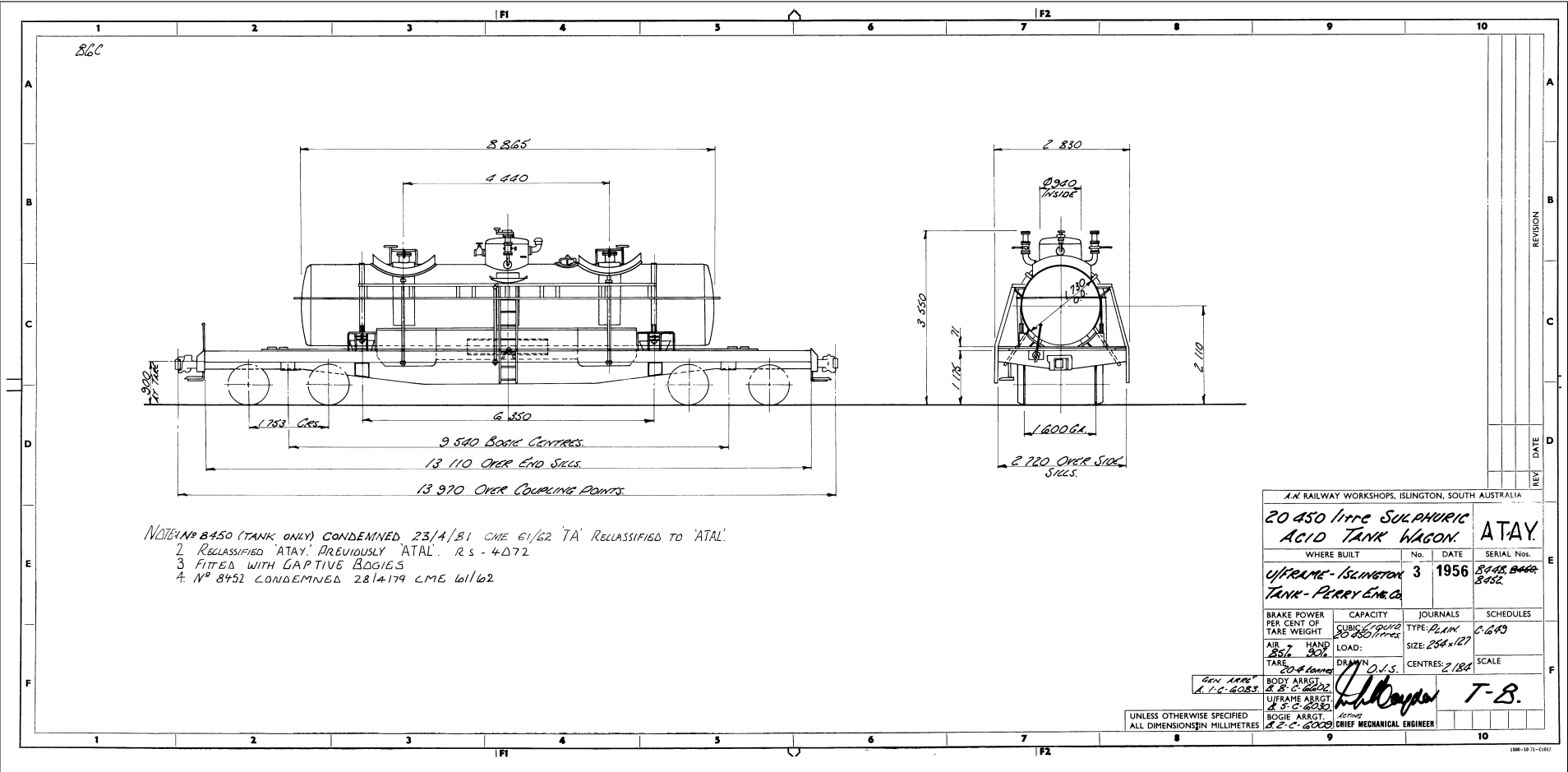
PlanId: T05

14.6 TB ATMY 36 800L Triple Compartment Tank Wagon



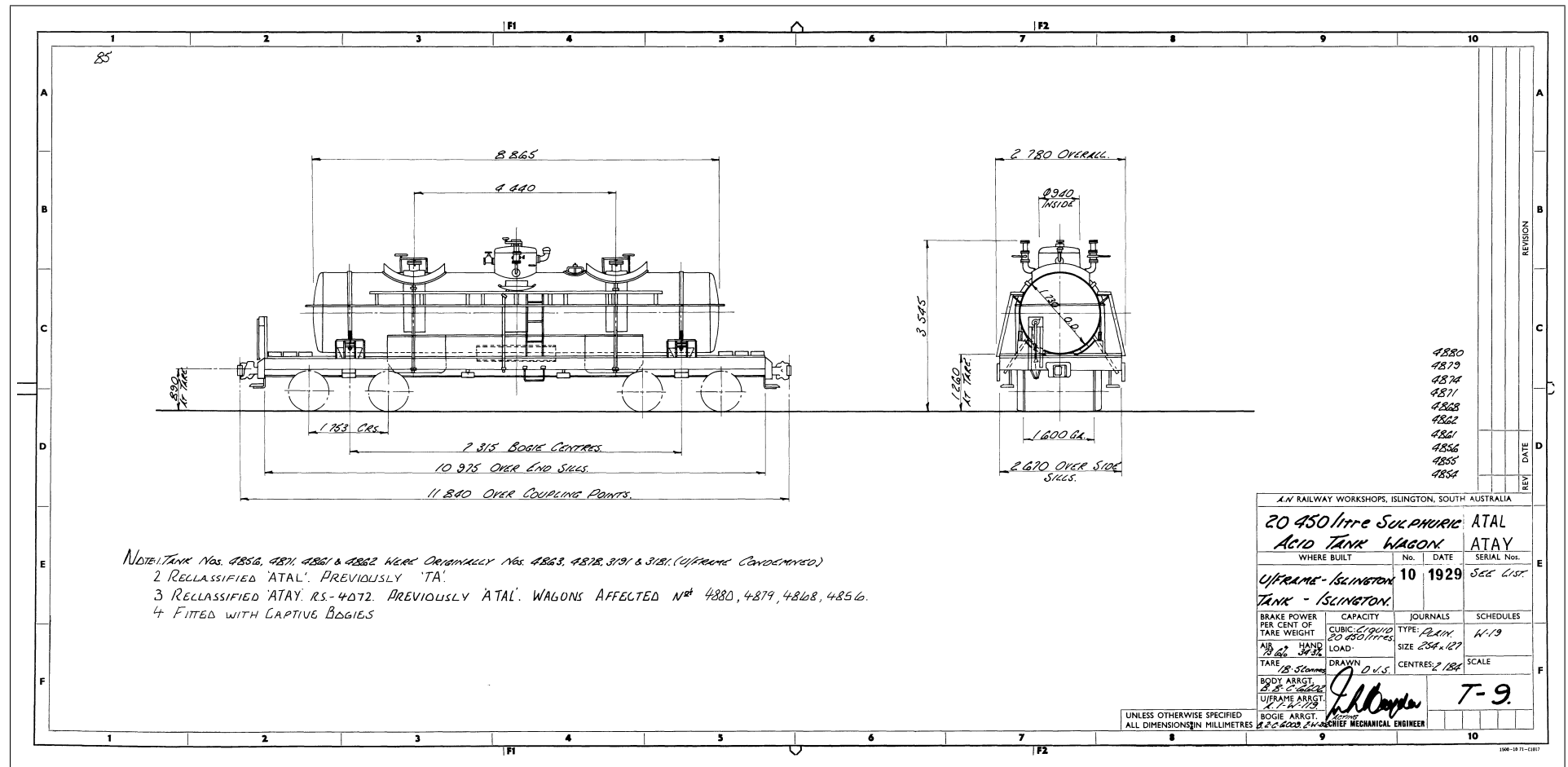
PlanId: T06

14.8 ATAY 20 450L Sulphuric Acid Tank Wagon



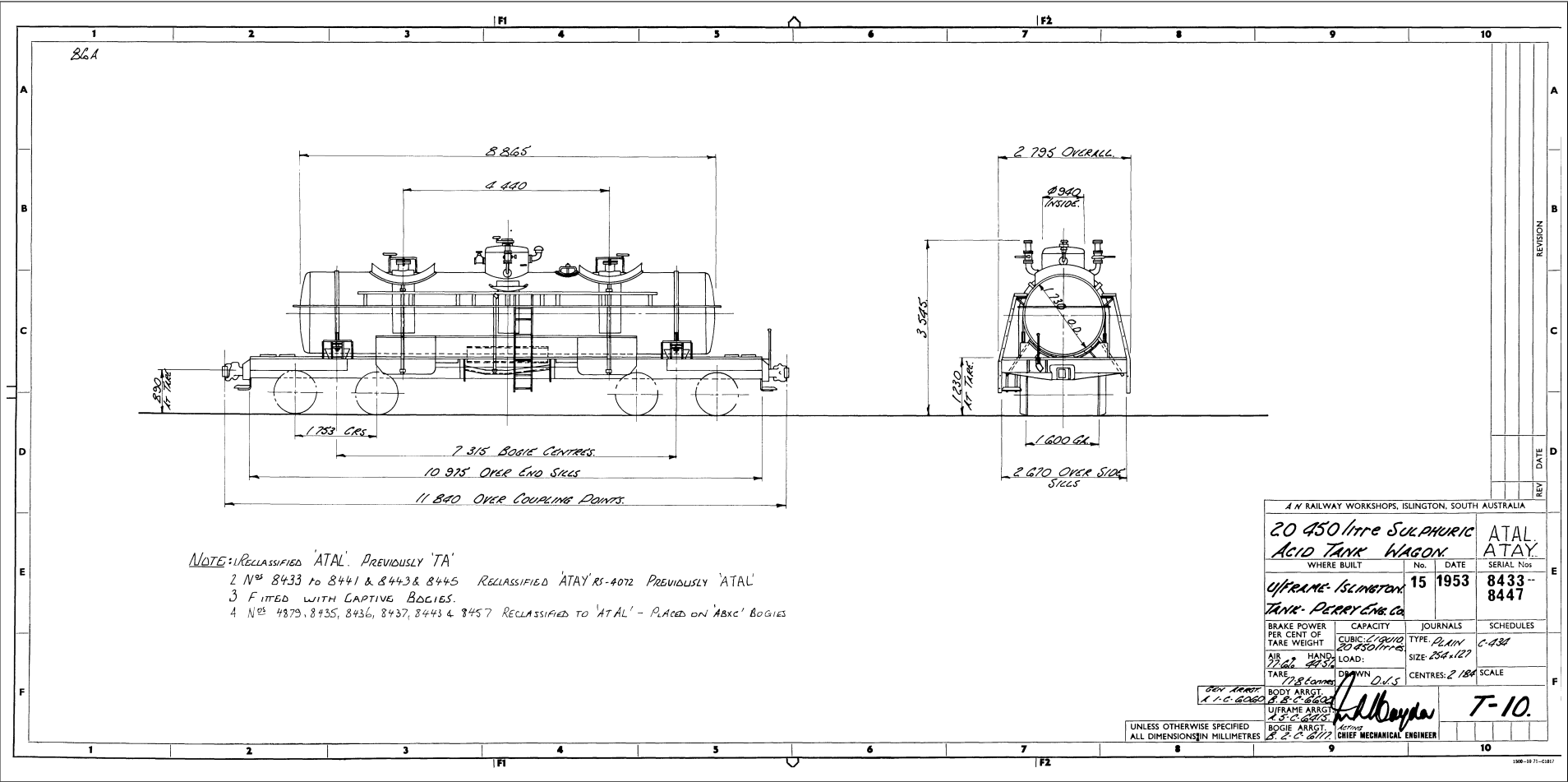
PlanId: T08

14.9 ATAY ATAL 20 450L Sulphuric Acid Tank Wagon



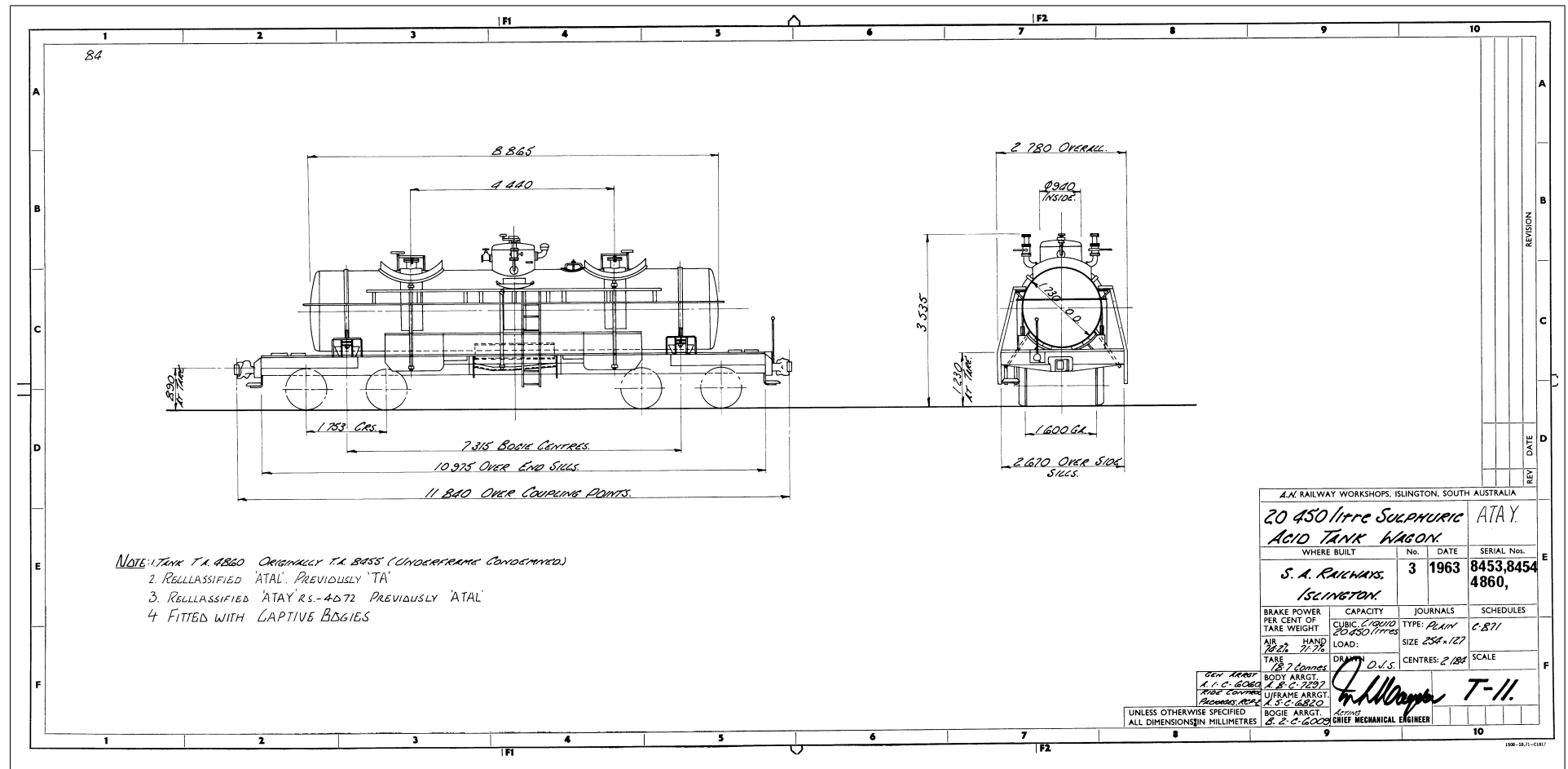
PlanId: T09

14.10 ATAY ATAL 20 450L Sulphuric Acid Tank Wagon



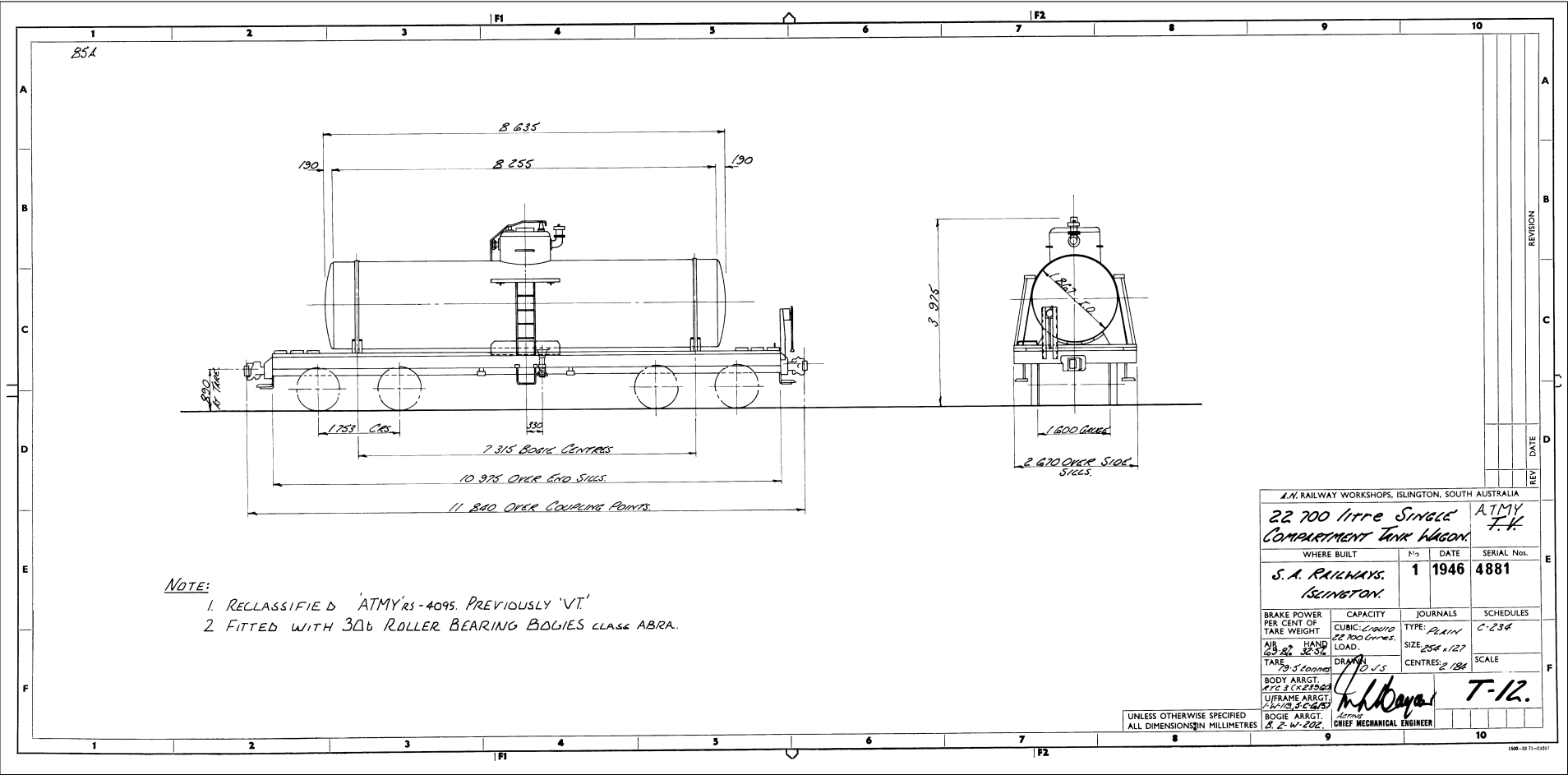
PlanId: T10

14.11 ATAY 20 450L Sulphuric Acid Tank Wagon



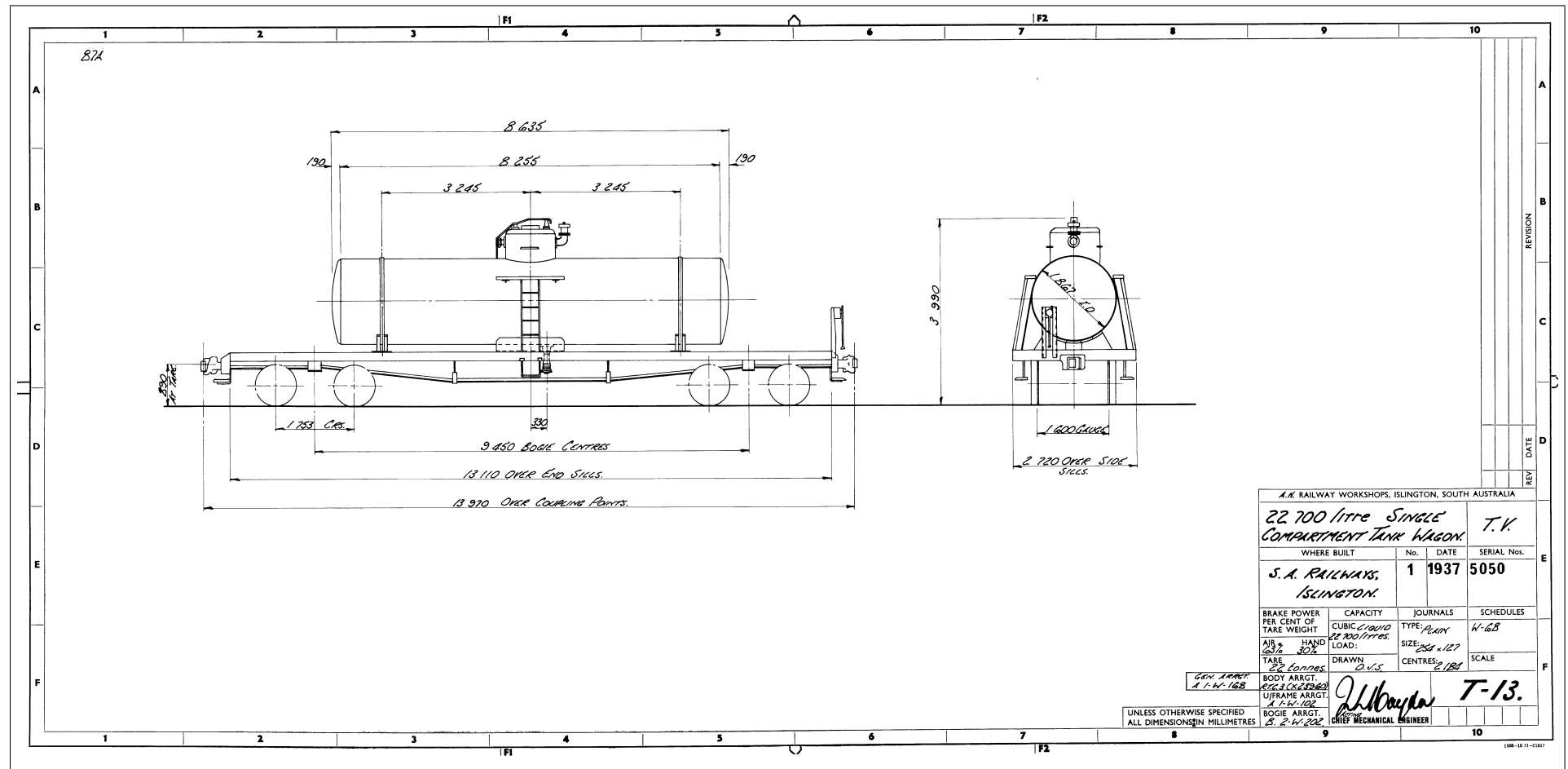
PlanId: T11

14.12 ATMY 22 700L Single Compartment Tank Wagon



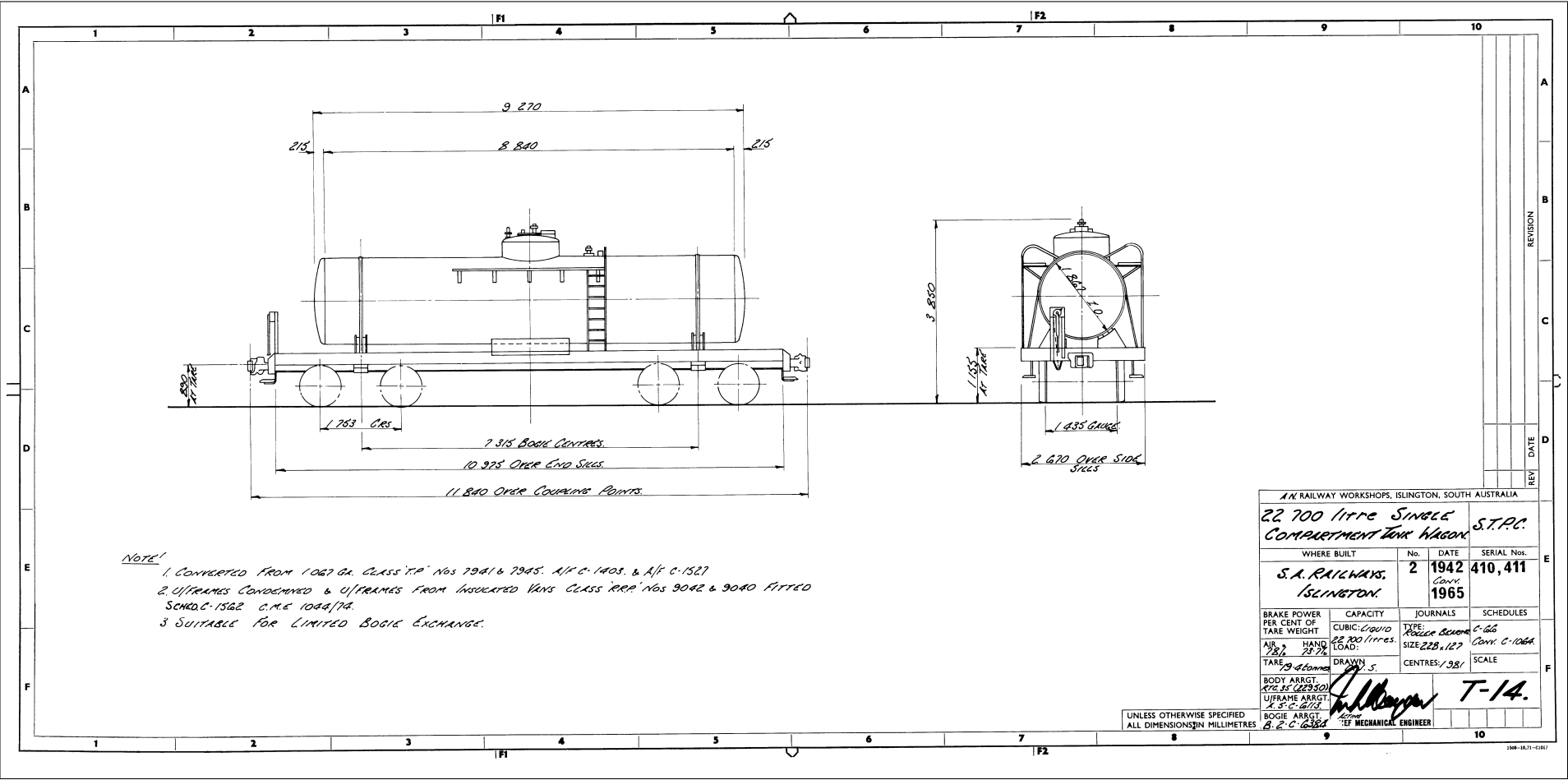
PlanId: T12

14.13 TV 22 700L Single Compartment Tank Wagon



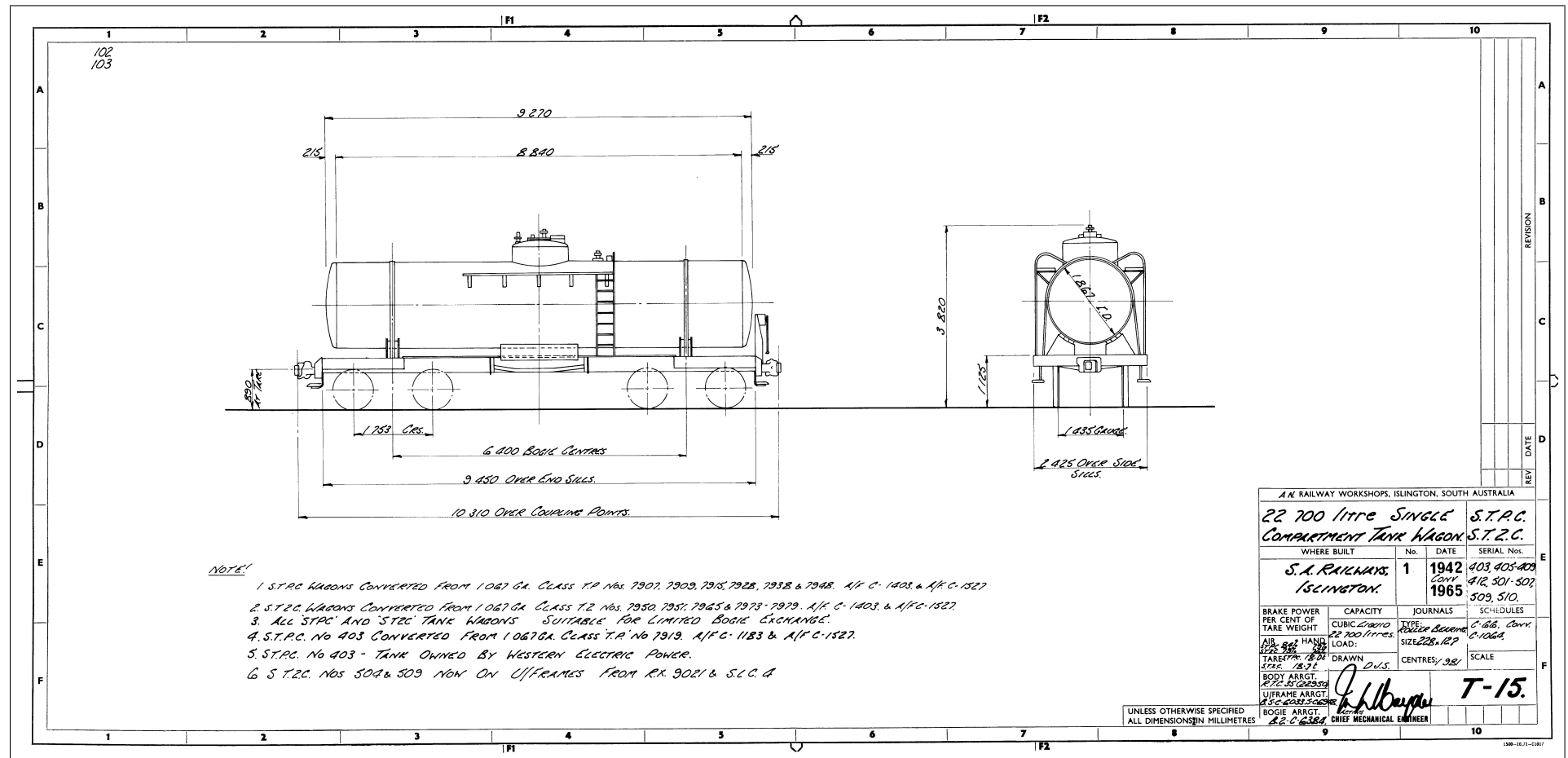
PlanId: T13

14.14 STPC 22 700L Single Compartment Tank Wagon



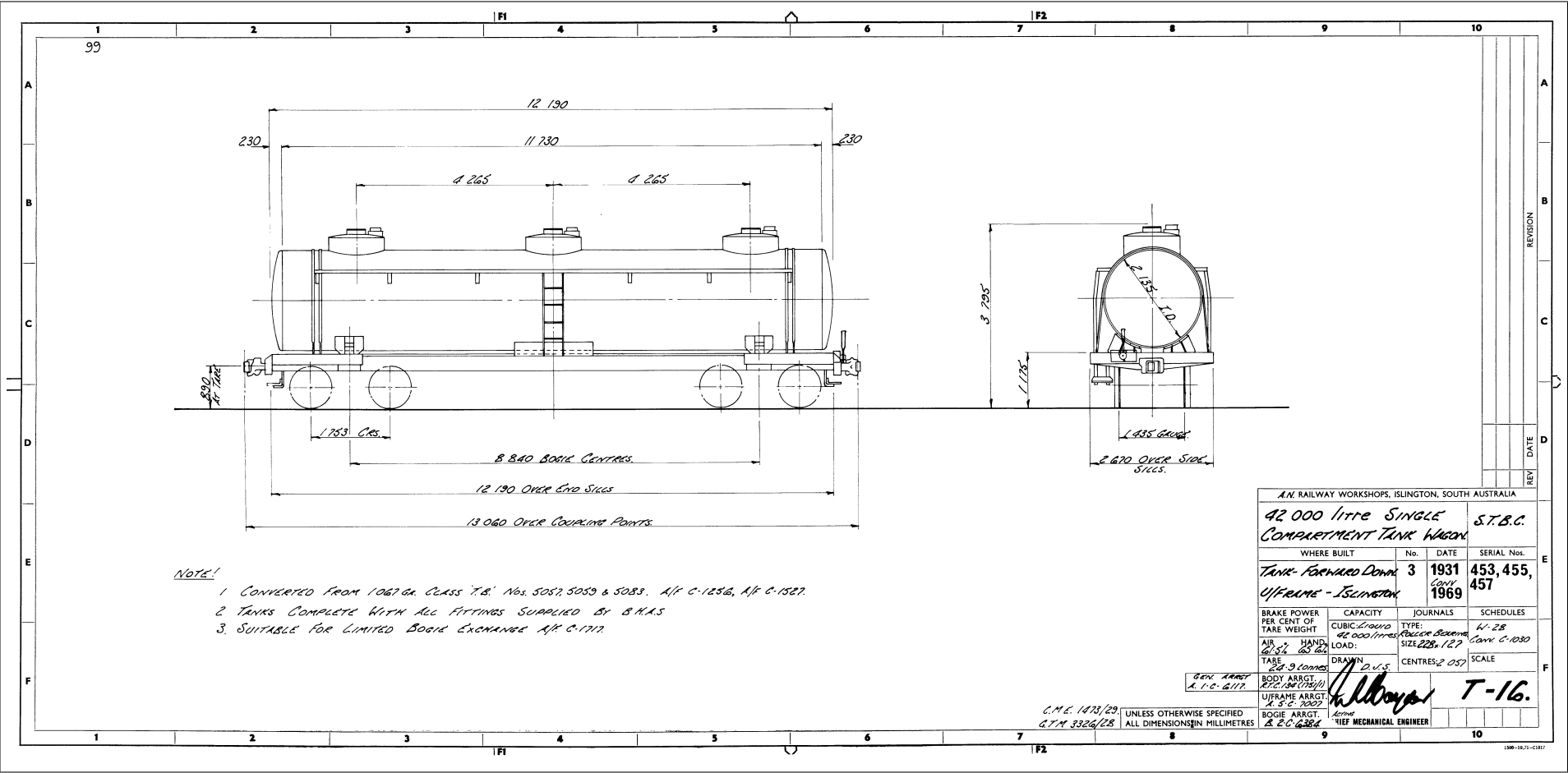
PlanId: T14

14.15 STPC STZC 22 700L Single Compartment Tank Wagon



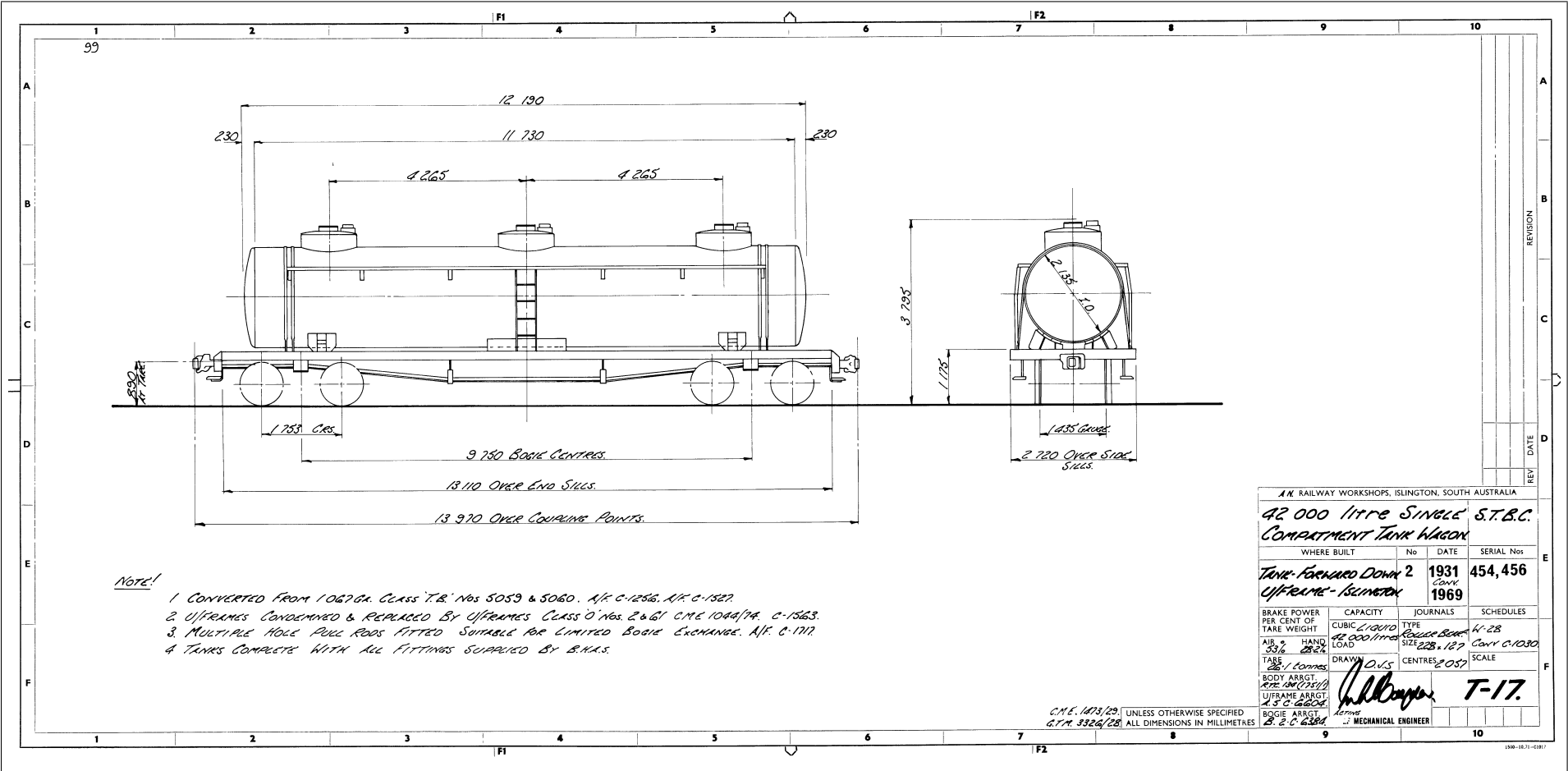
PlanId: T15

14.16 STBC 42 000L Single Compartment Tank Wagon



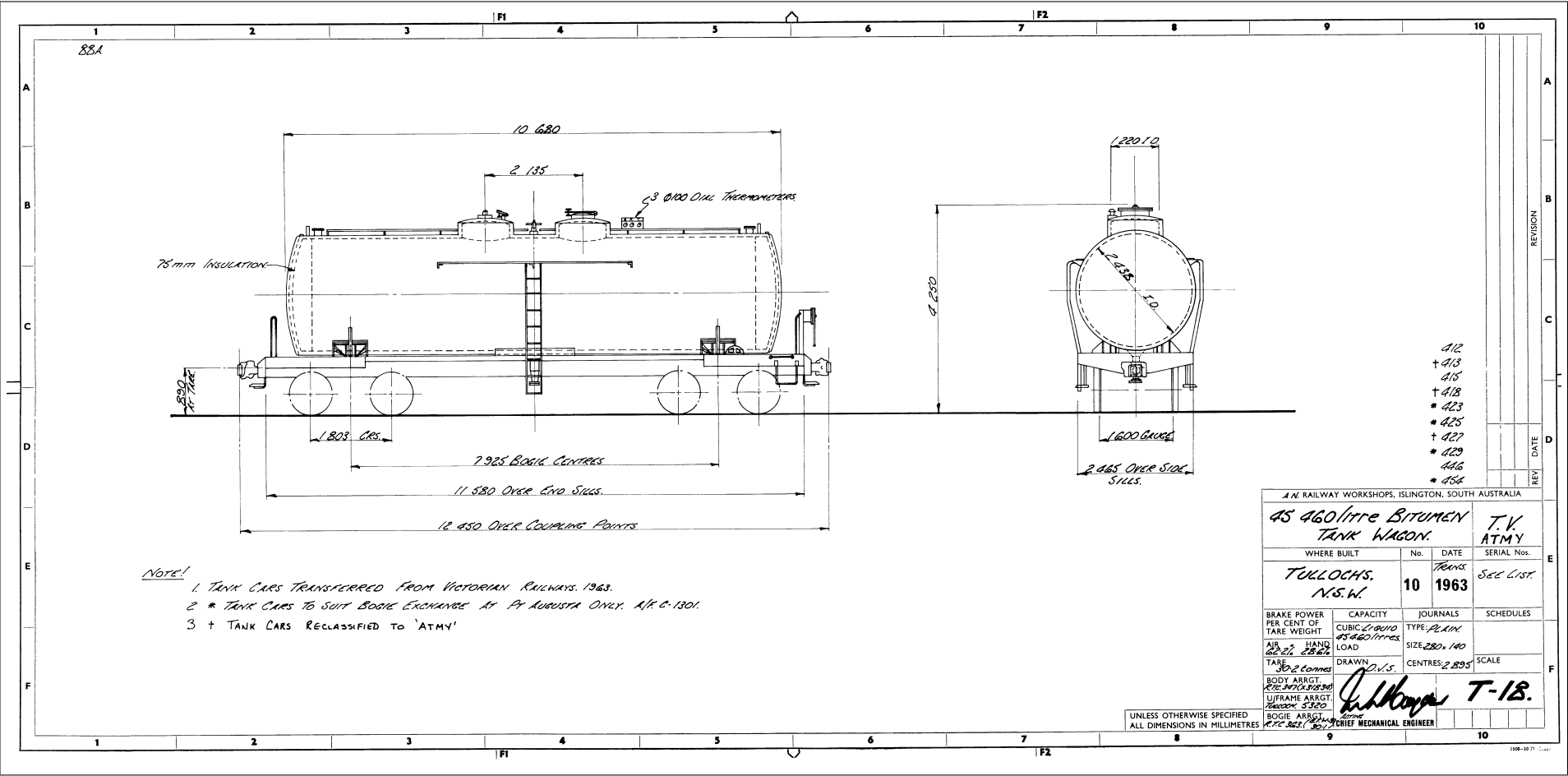
PlanId: T16

14.17 STBC 42 000L Single Compartment Tank Wagon



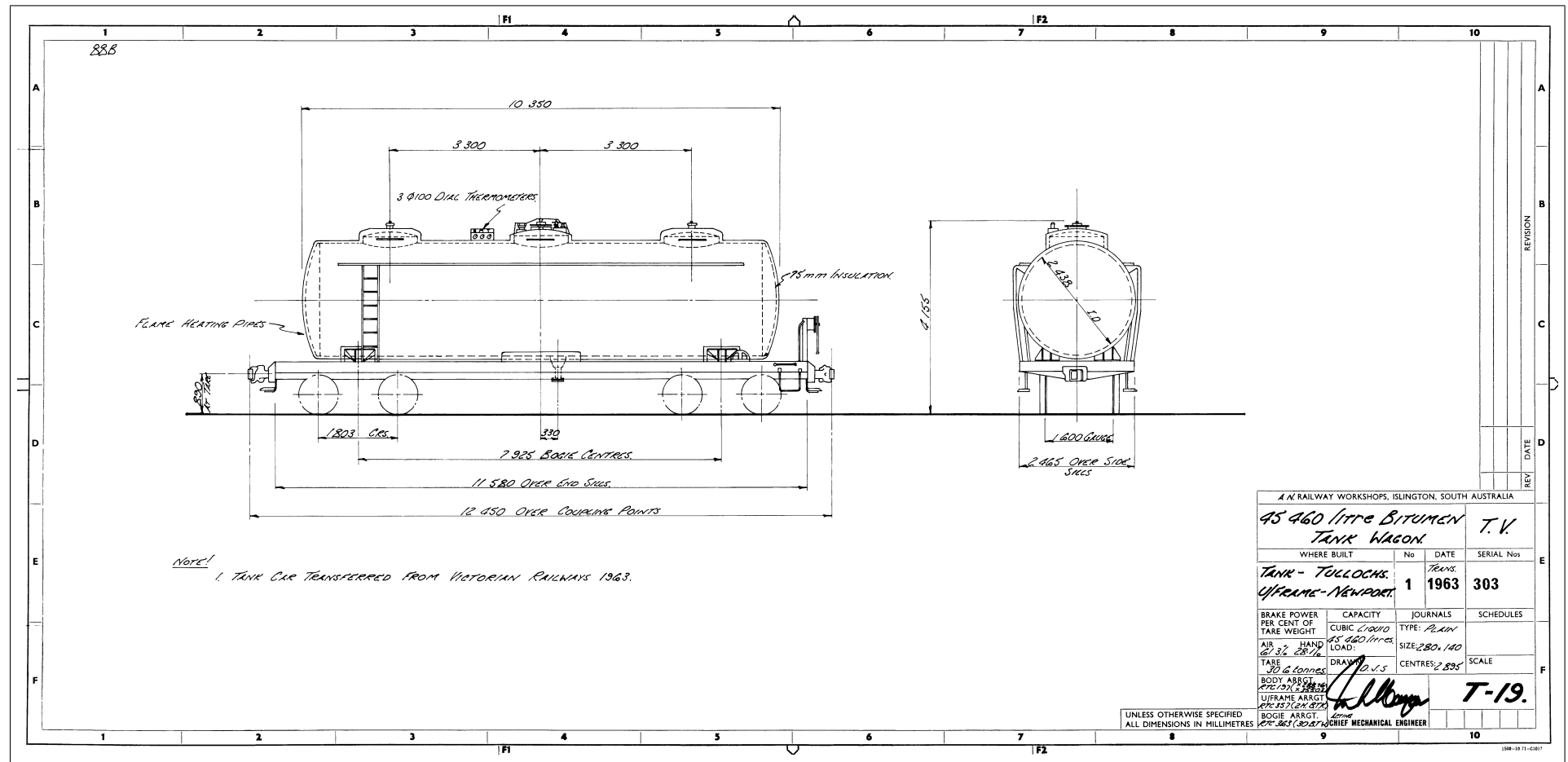
PlanId: T17

14.18 TV ATMY 45 460L Bitumen Tank Wagon



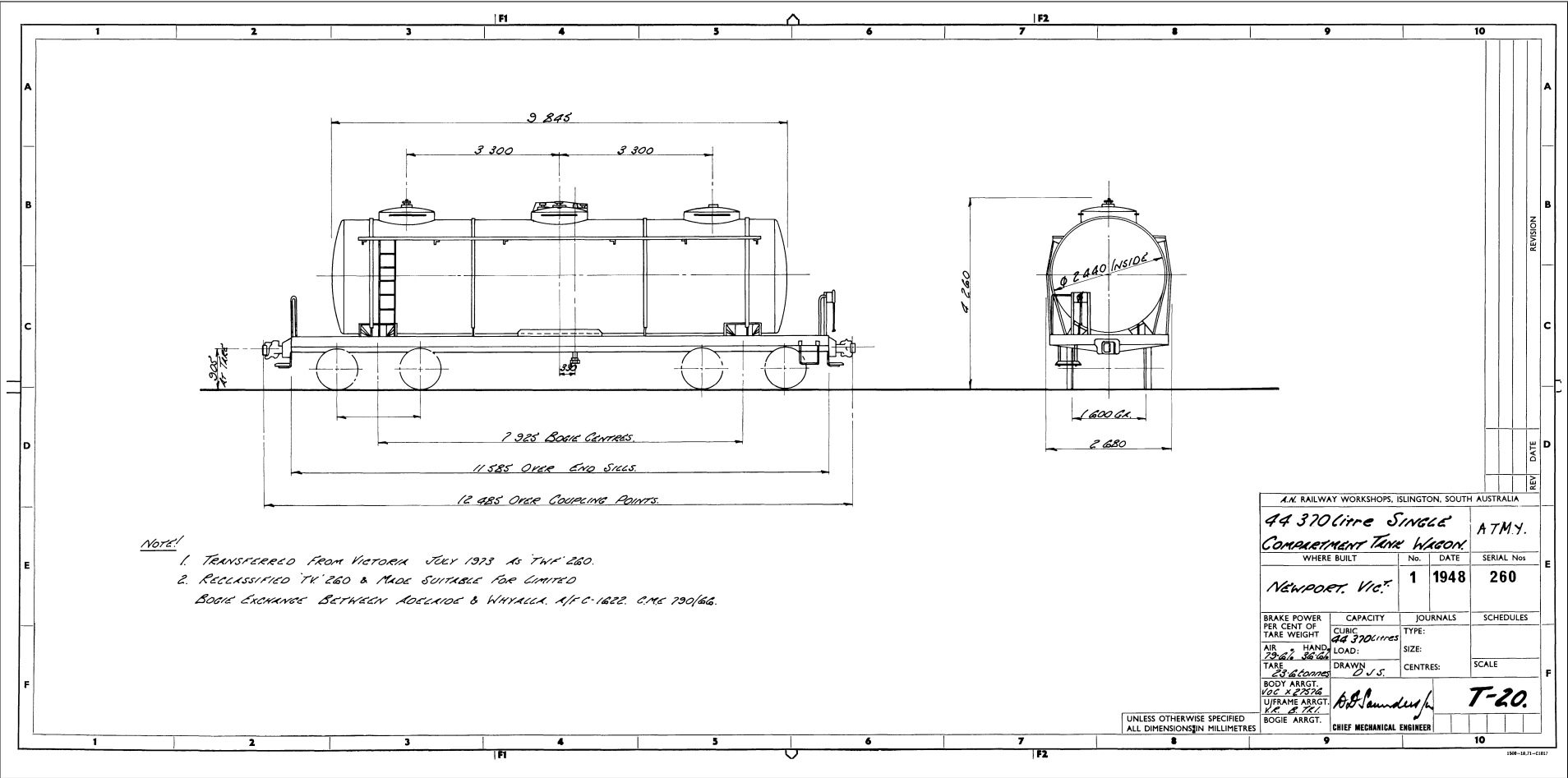
PlanId: T18

14.19 TV 45 460L Bitumen Tank Wagon



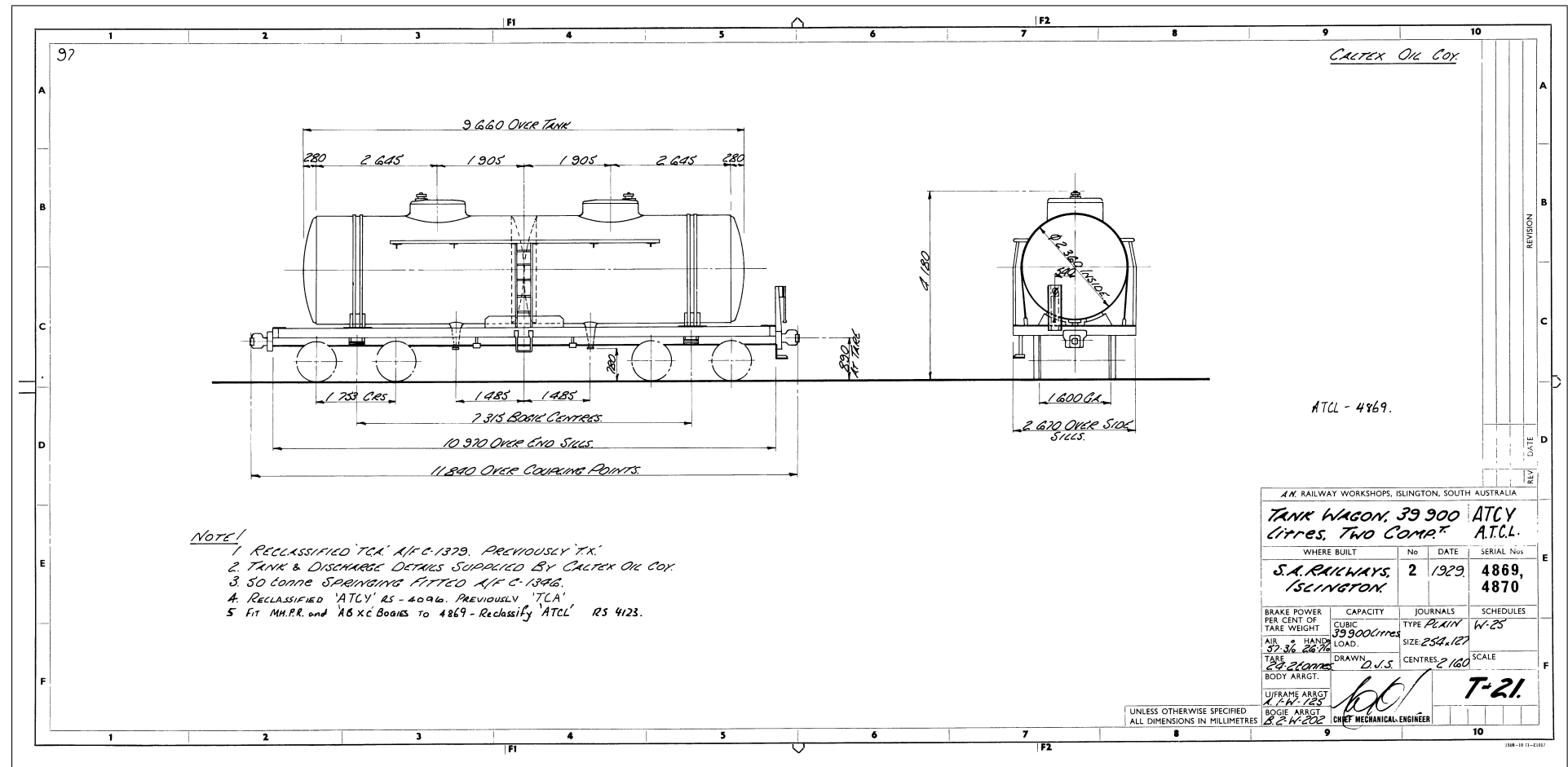
PlanId: T19

14.20 ATMY 44 370L Single Compartment Tank Wagon



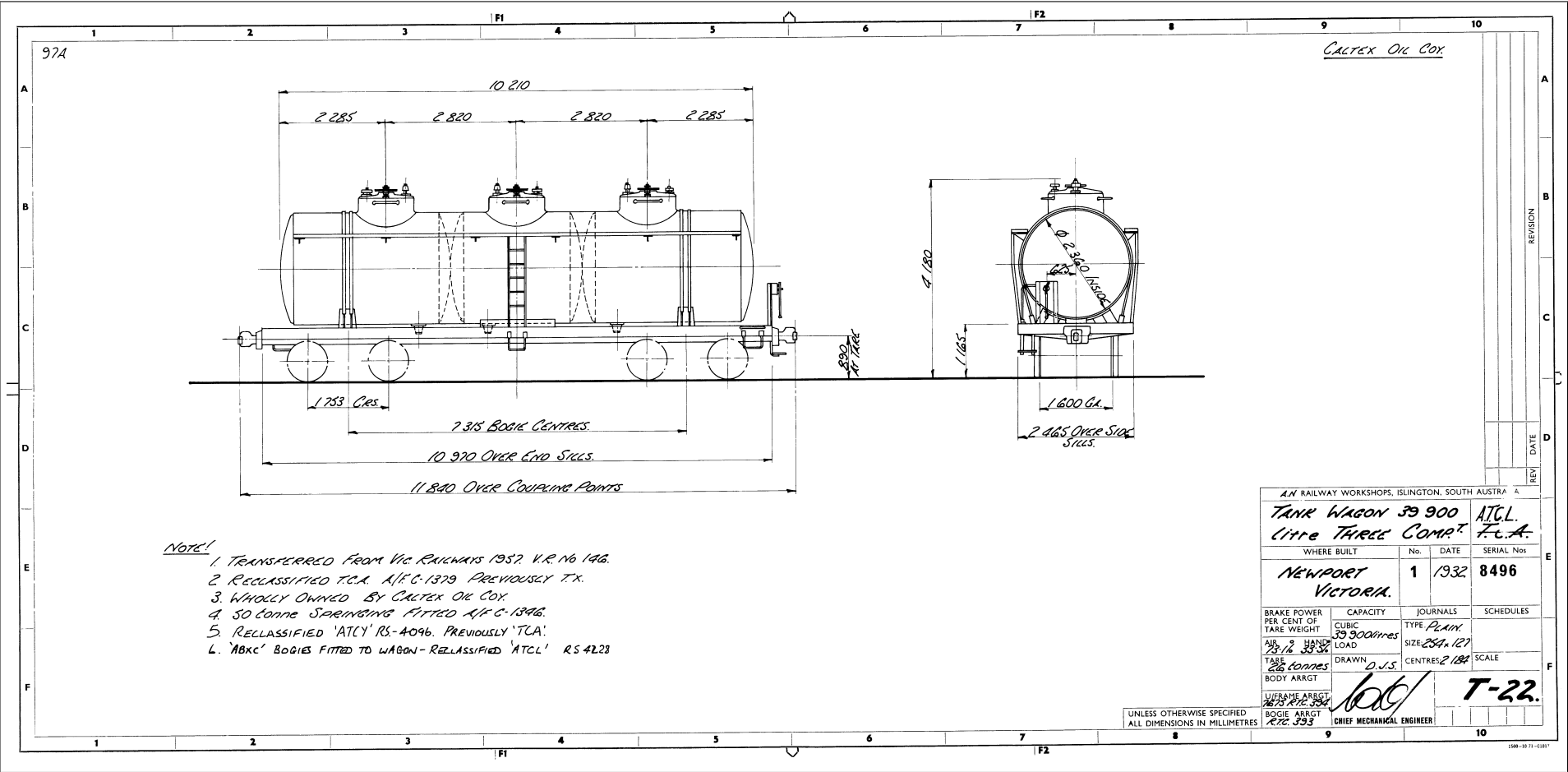
PlanId: T20

14.21 ATCY ATCL 39 900 Two Compartment Tank Wagon



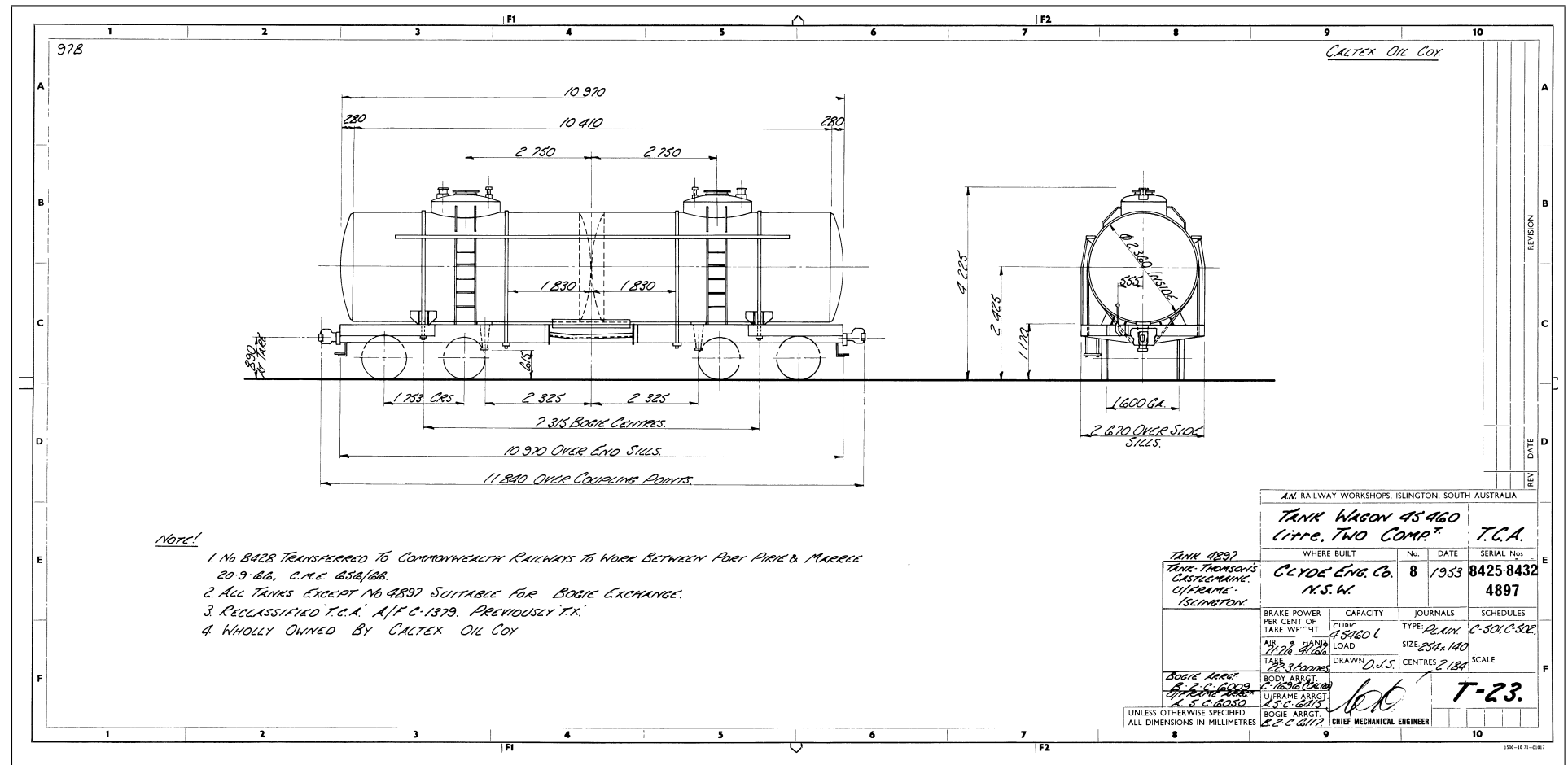
PlanId: T21

14.22 ATCL 39 900L Three Compartment Tank Wagon



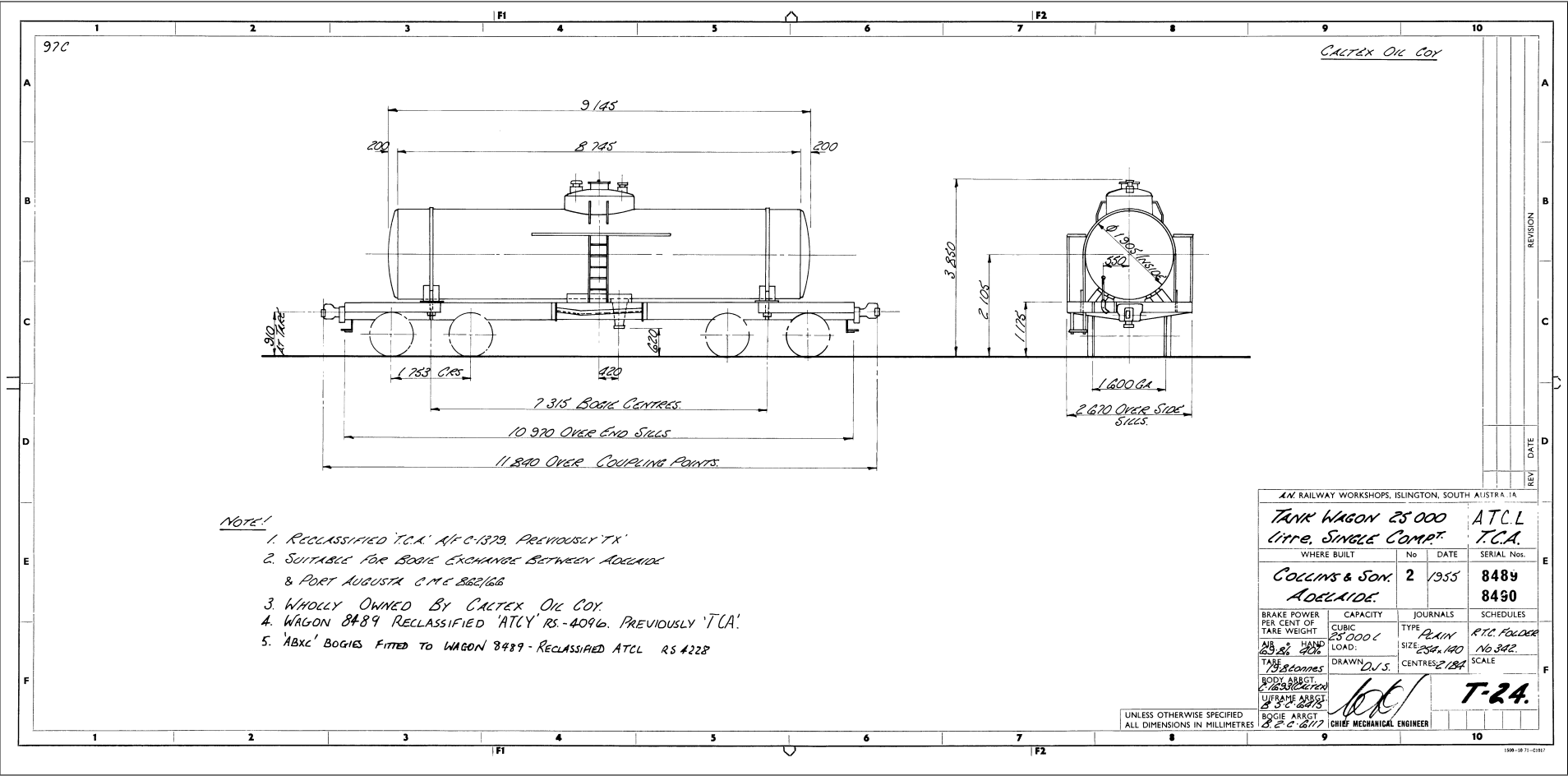
PlanId: T22

14.23 TCA 45 460L Two Compartment Tank Wagon



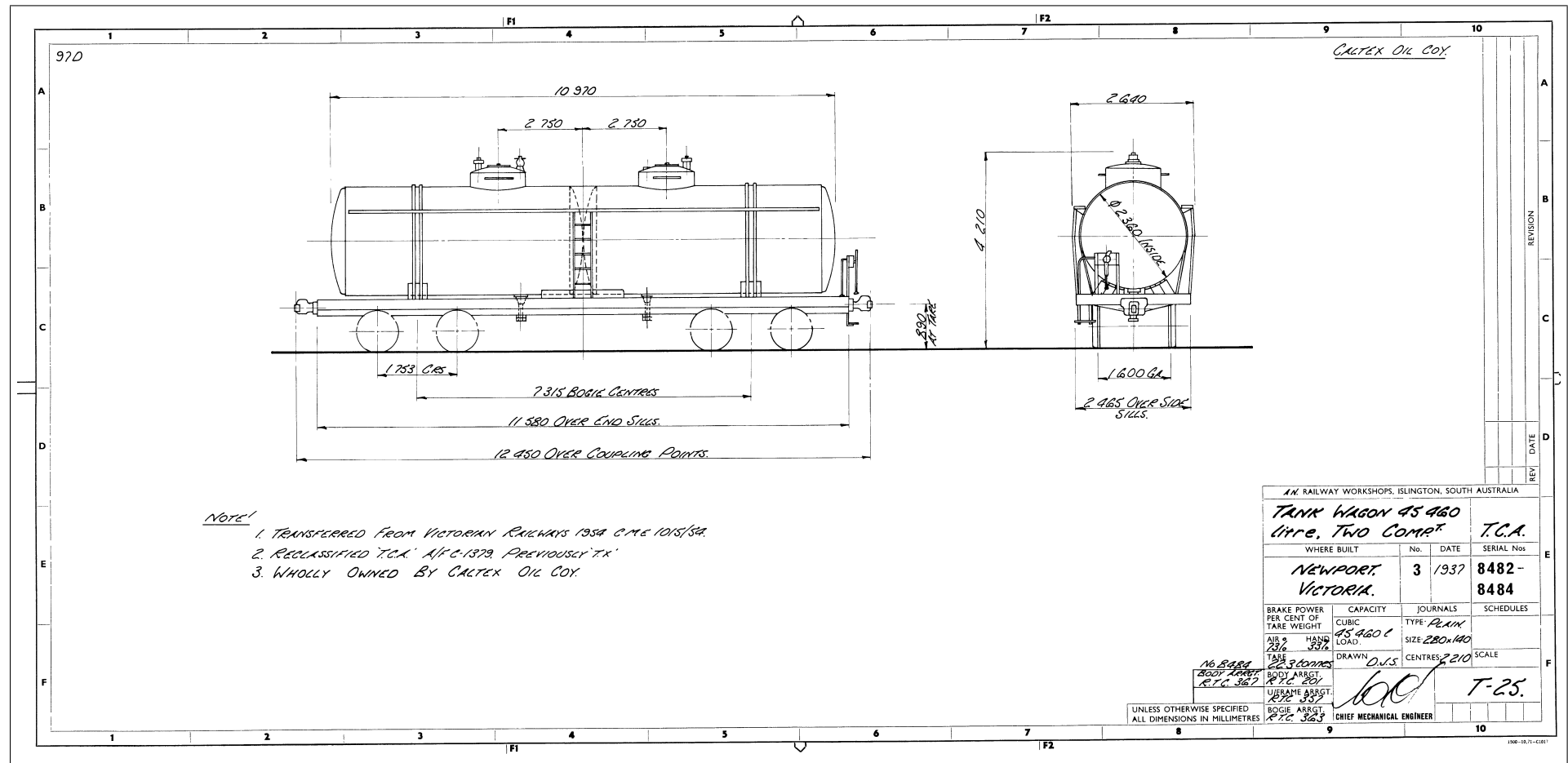
PlanId: T23

14.24 ATCL TCA 25 000L Single Compartment Tank Wagon



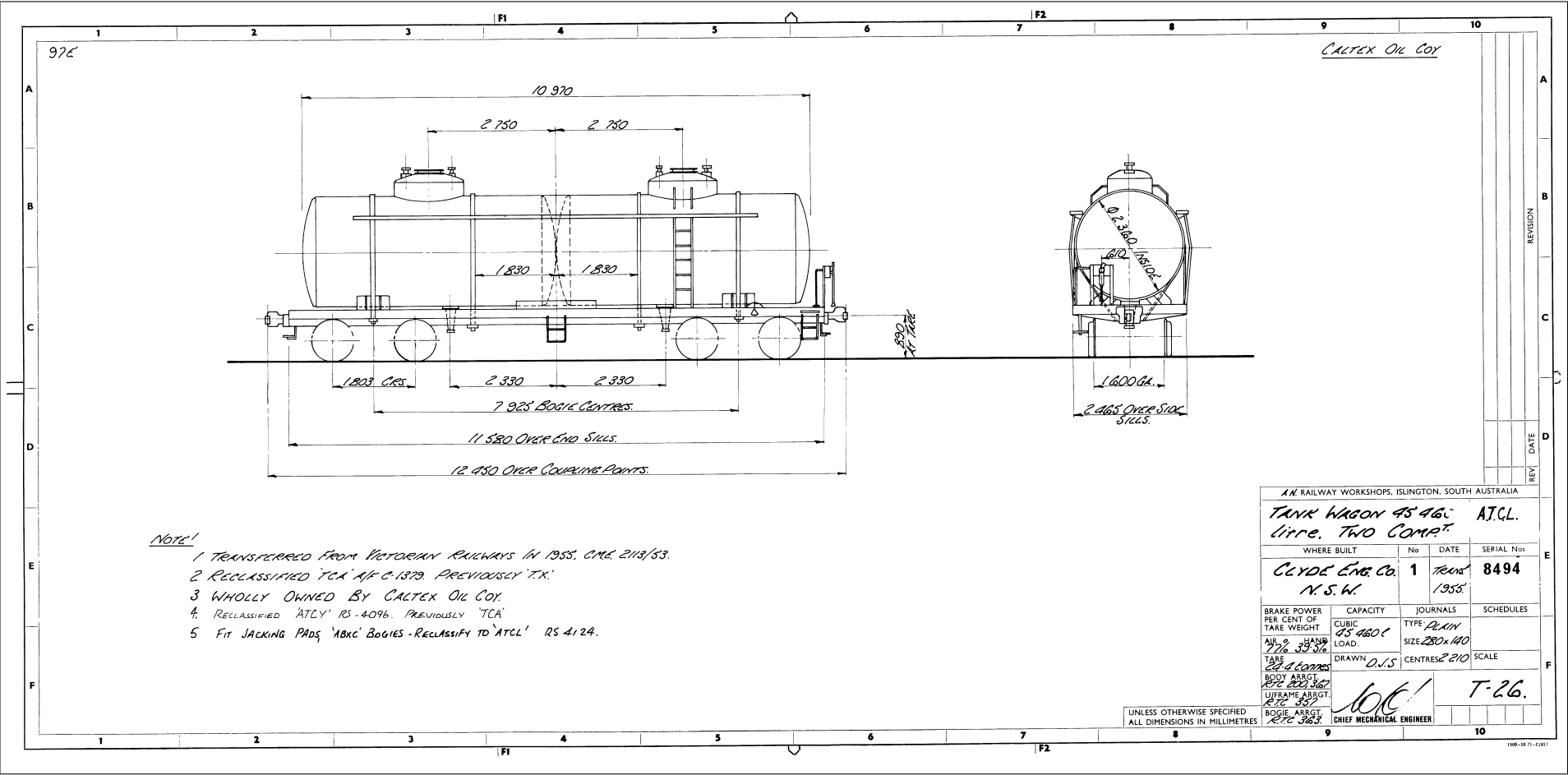
PlanId: T24

14.25 TCA 45 460L Two Compartment Tank Wagon



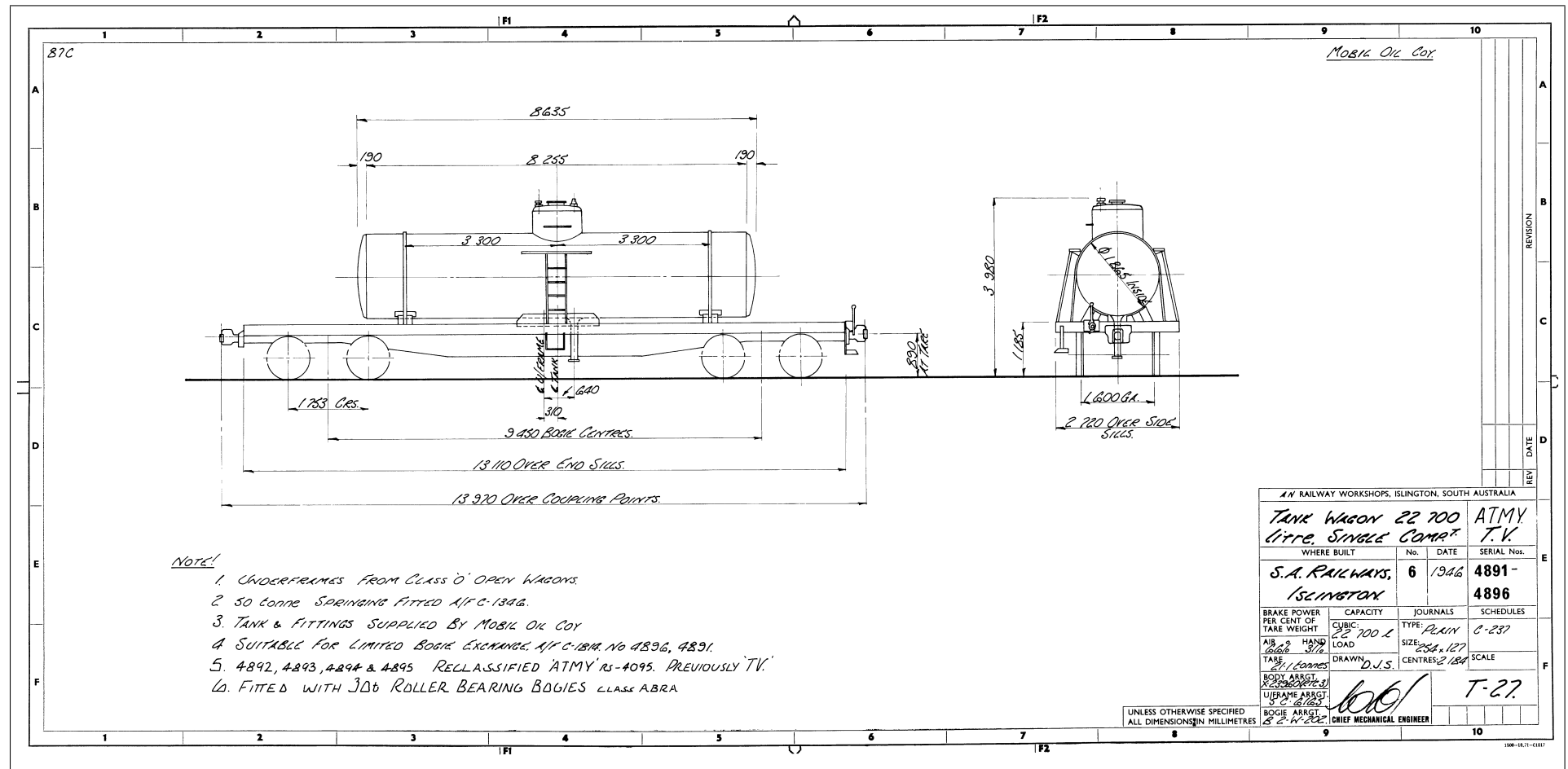
PlanId: T25

14.26 ATCL 45 460L Two Compartment Tank Wagon



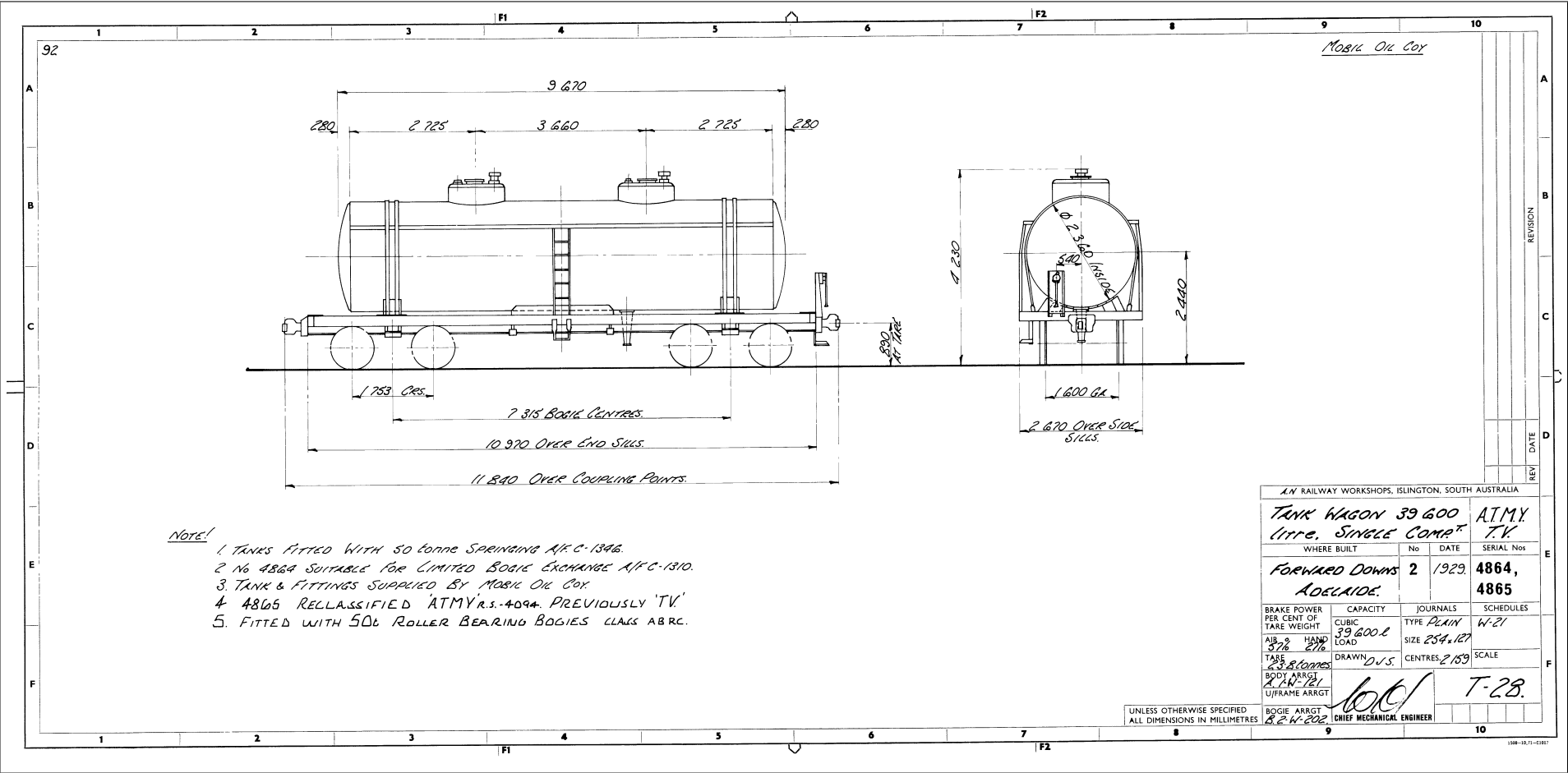
PlanId: T26

14.27 ATMY TV 22 700L Single Compartment Tank Wagon



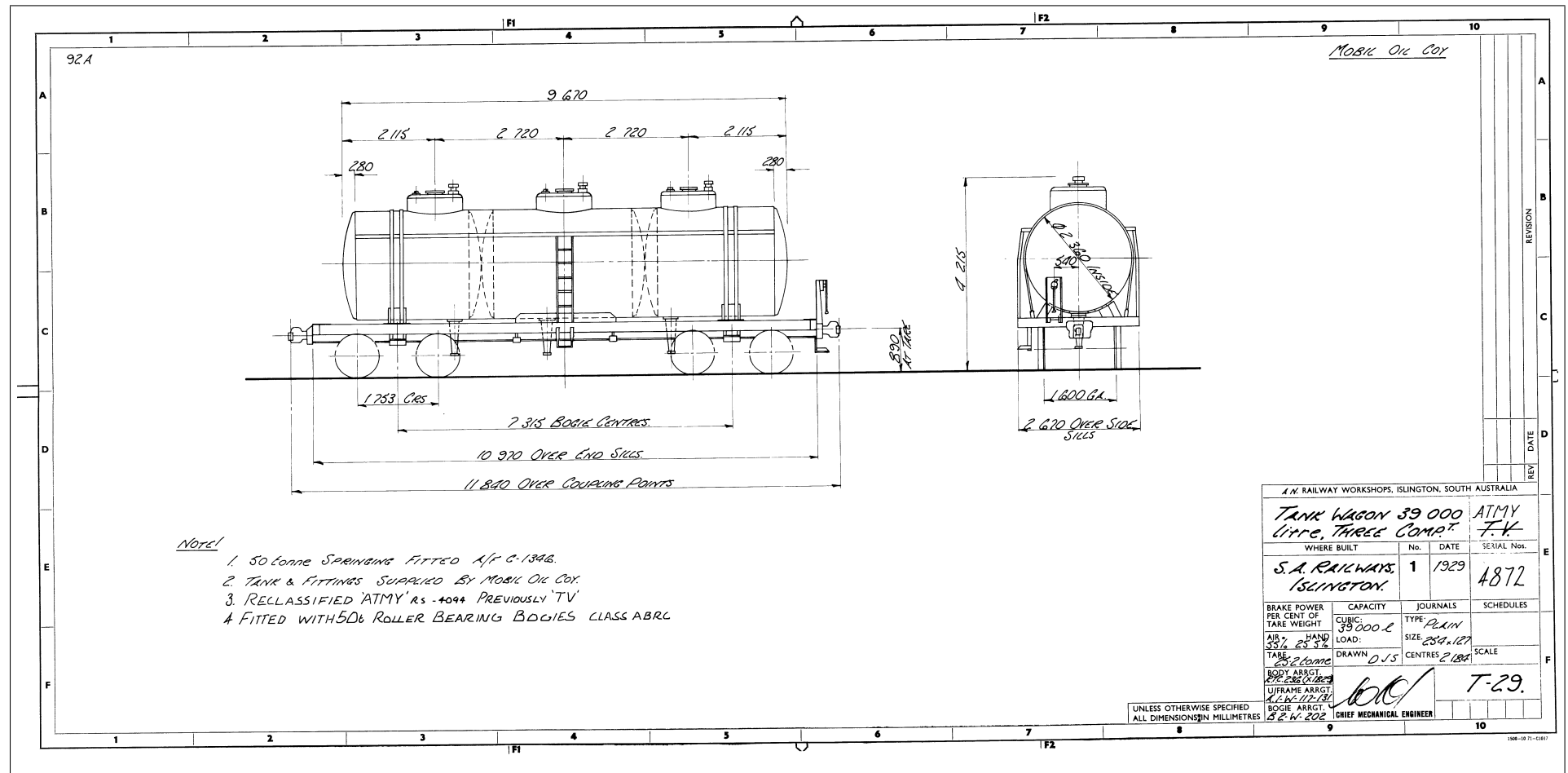
PlanId: T27

14.28 ATMY TV 39 600L Single Compartment Tank Wagon



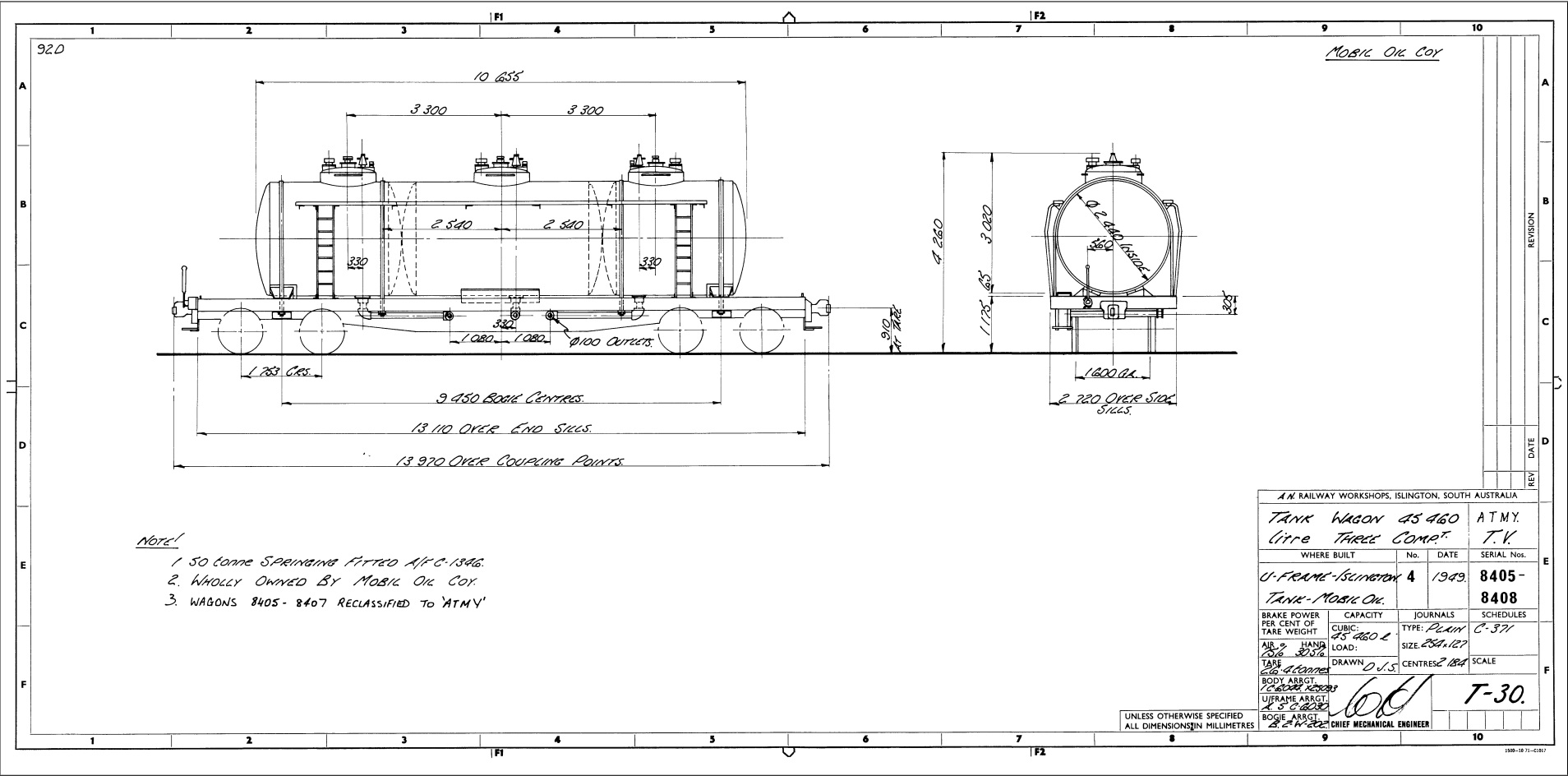
PlanId: T28

14.29 ATMY 39 000L Three Compartment Tank Wagon



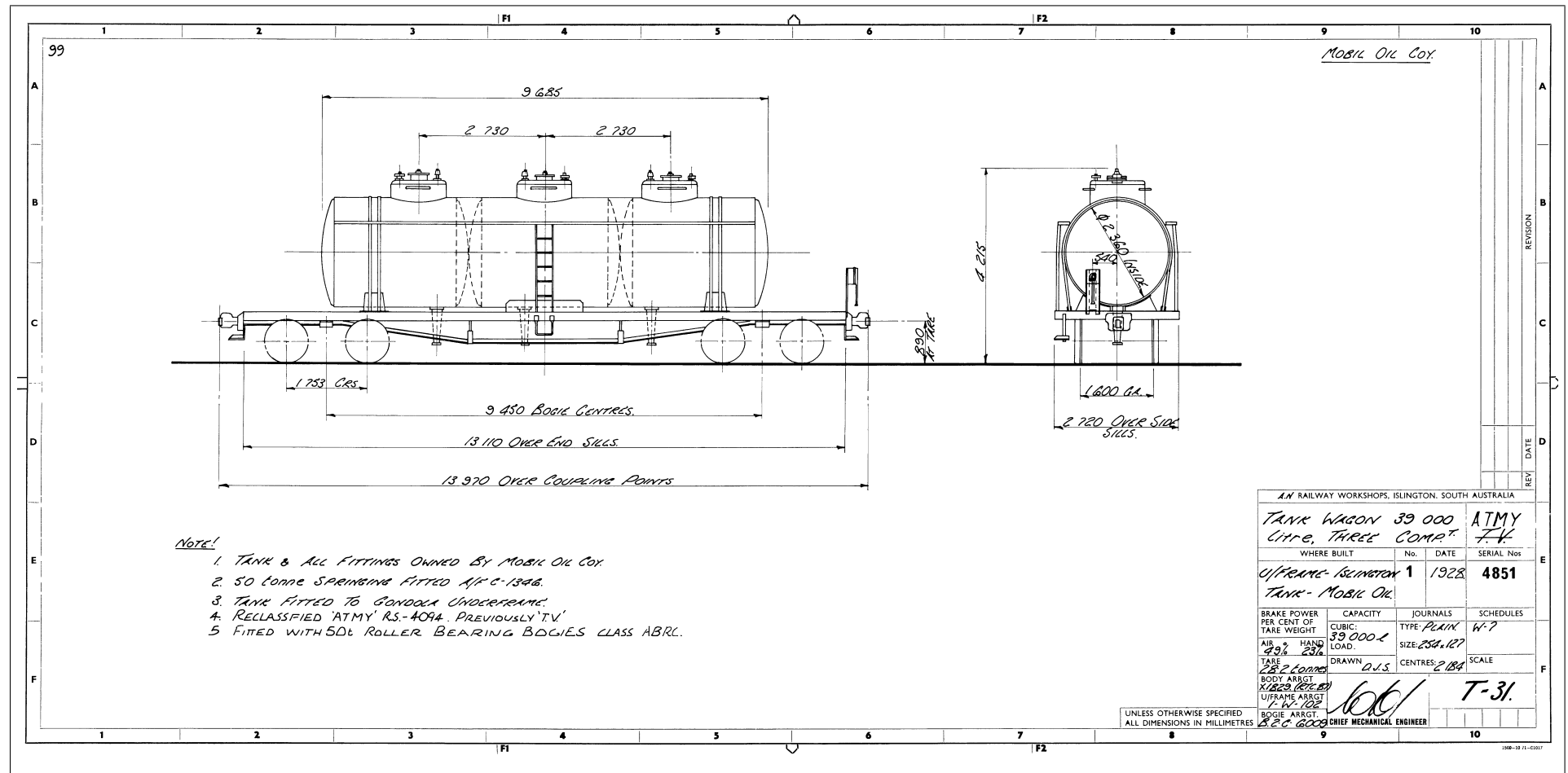
PlanId: T29

14.30 ATMY TV 45 460L Three Compartment Tank Wagon



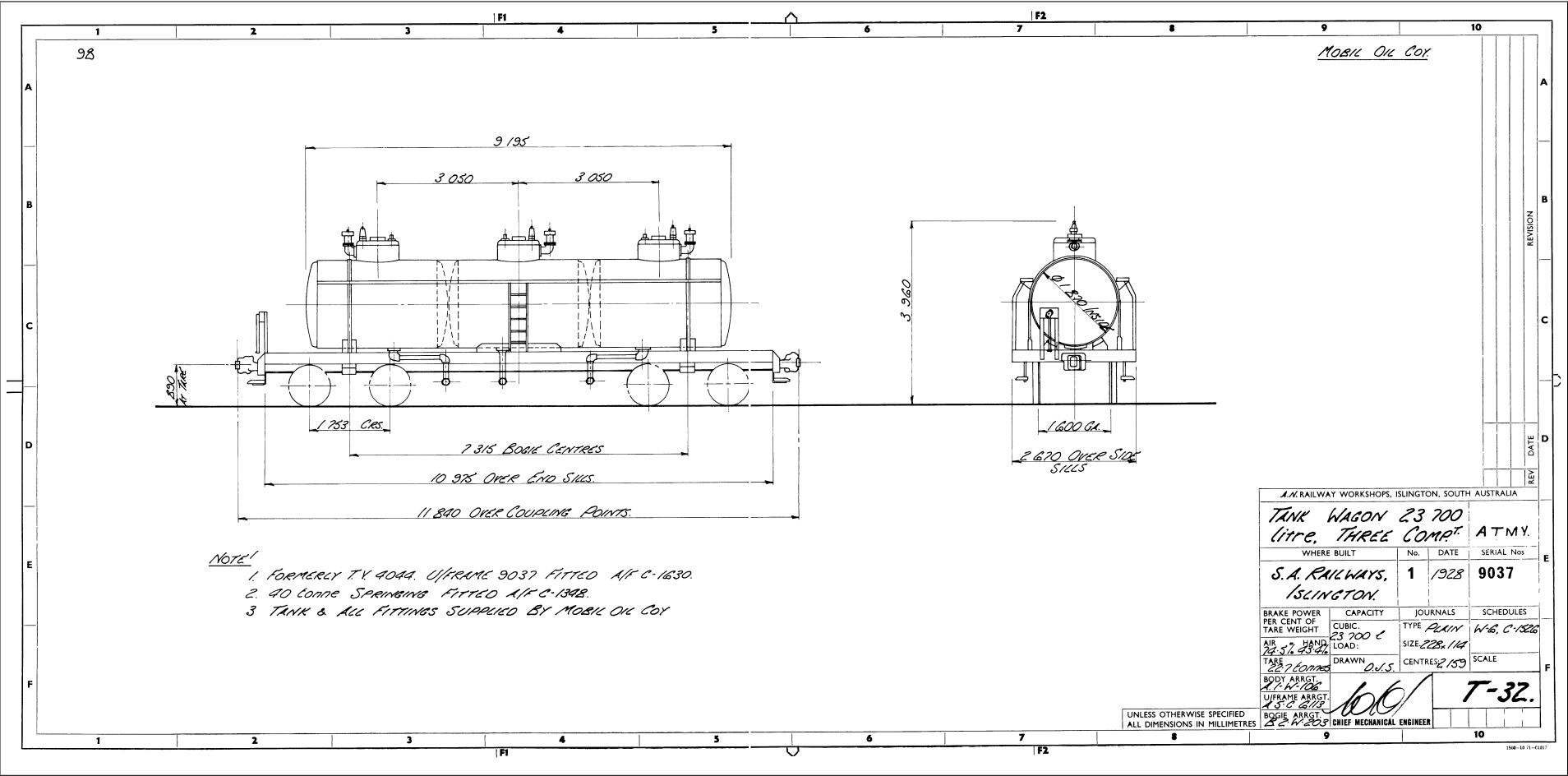
PlanId: T30

14.31 ATMY 39 000L Three Compartment Tank Wagon



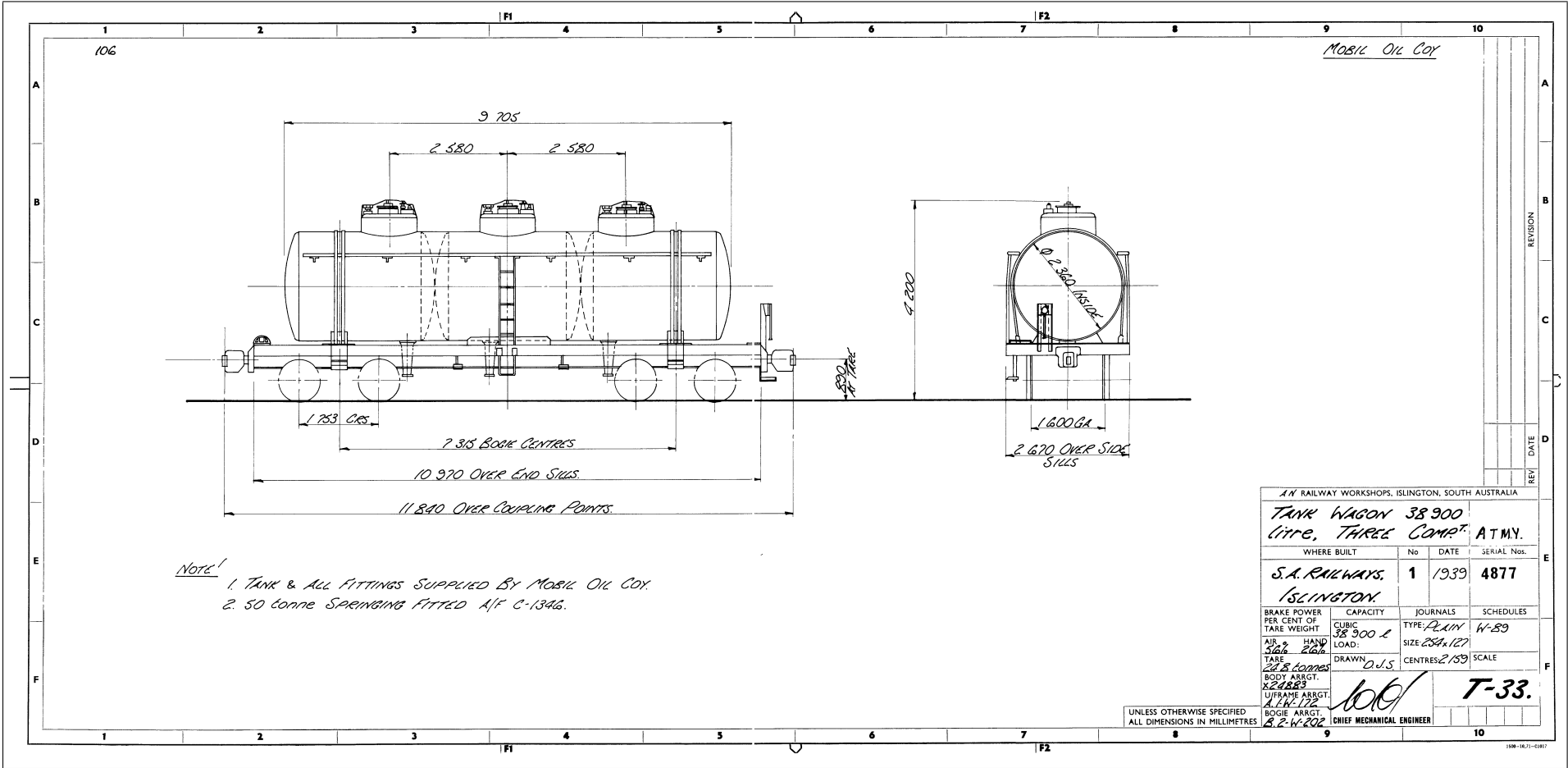
PlanId: T31

14.32 ATMY 23 700L Three Compartment Tank Wagon



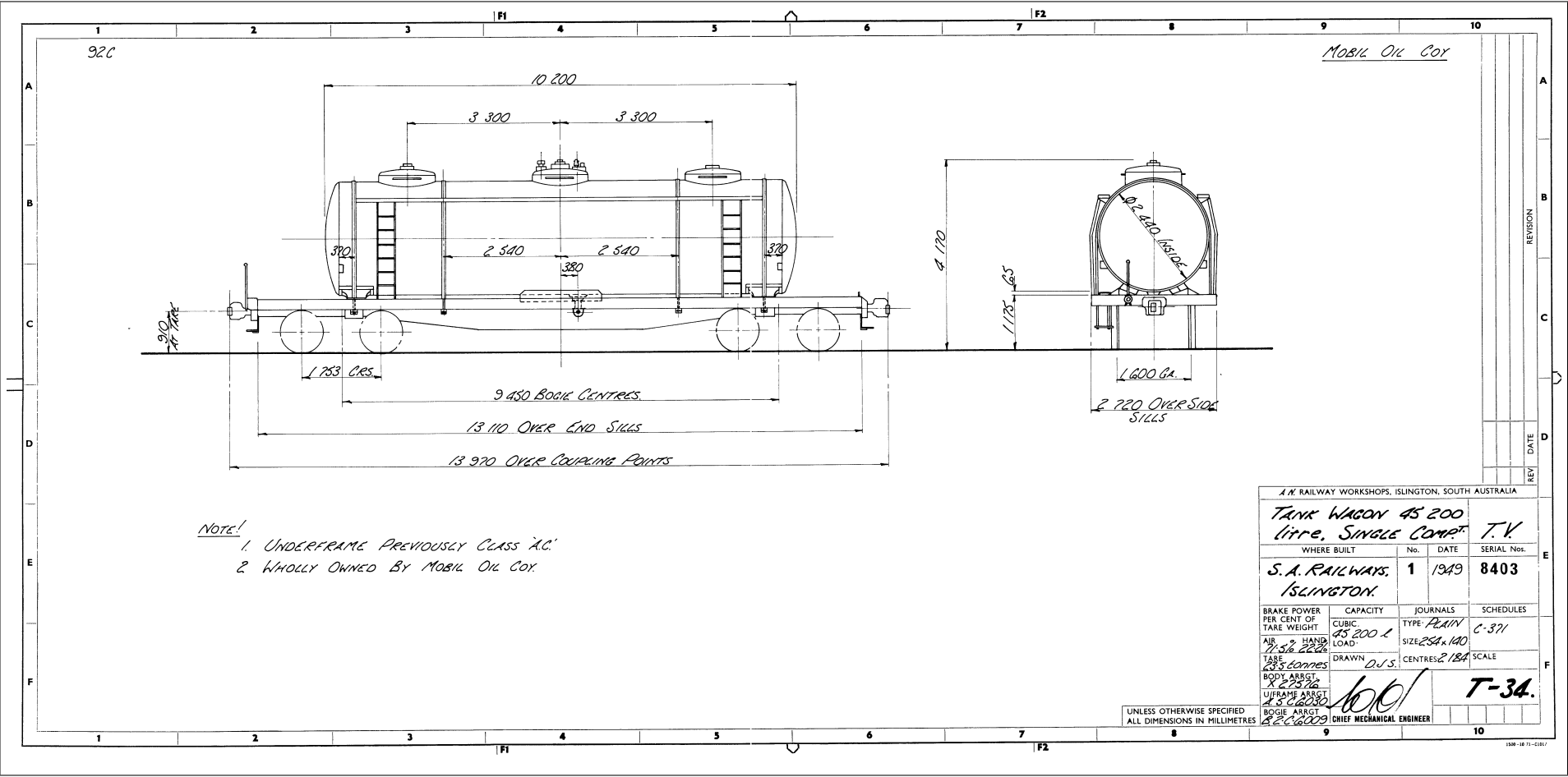
PlanId: T32

14.33 ATMY 38 900L Three Compartment Tank Wagon



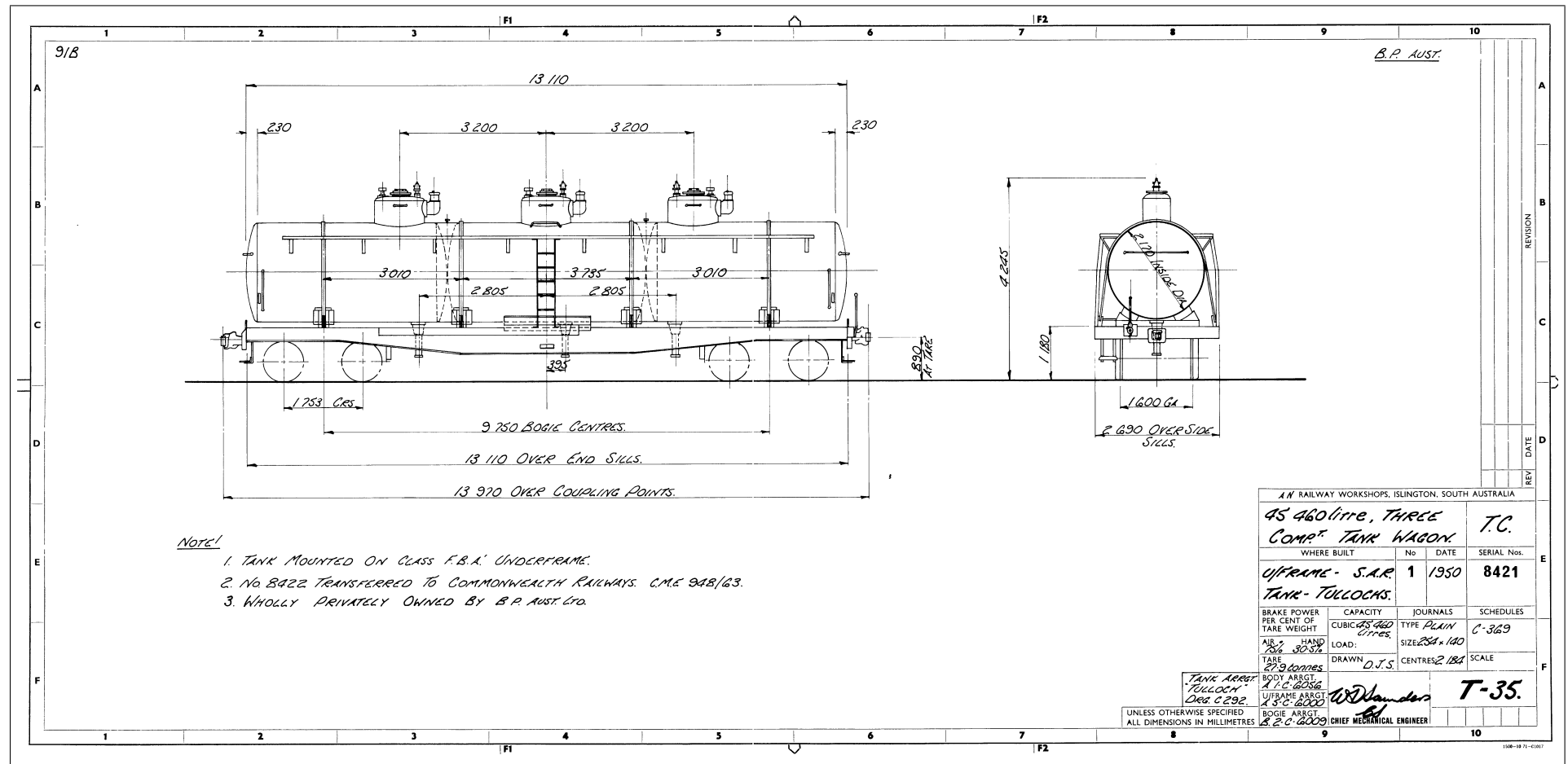
PlanId: T33

14.34 TV 45 200L Single Compartment Tank Wagon



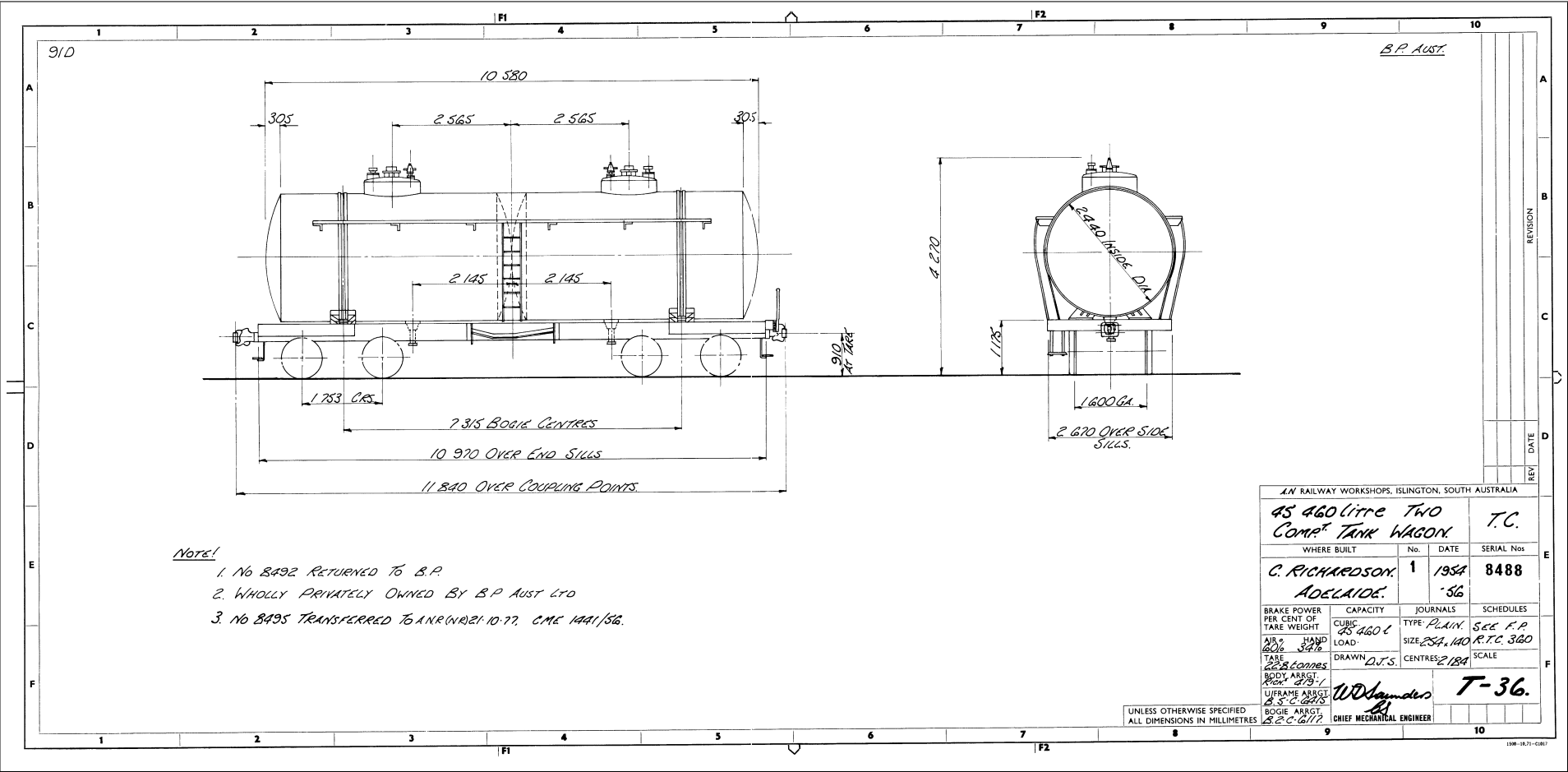
PlanId: T34

14.35 TC 45 460L Three Compartment Tank Wagon



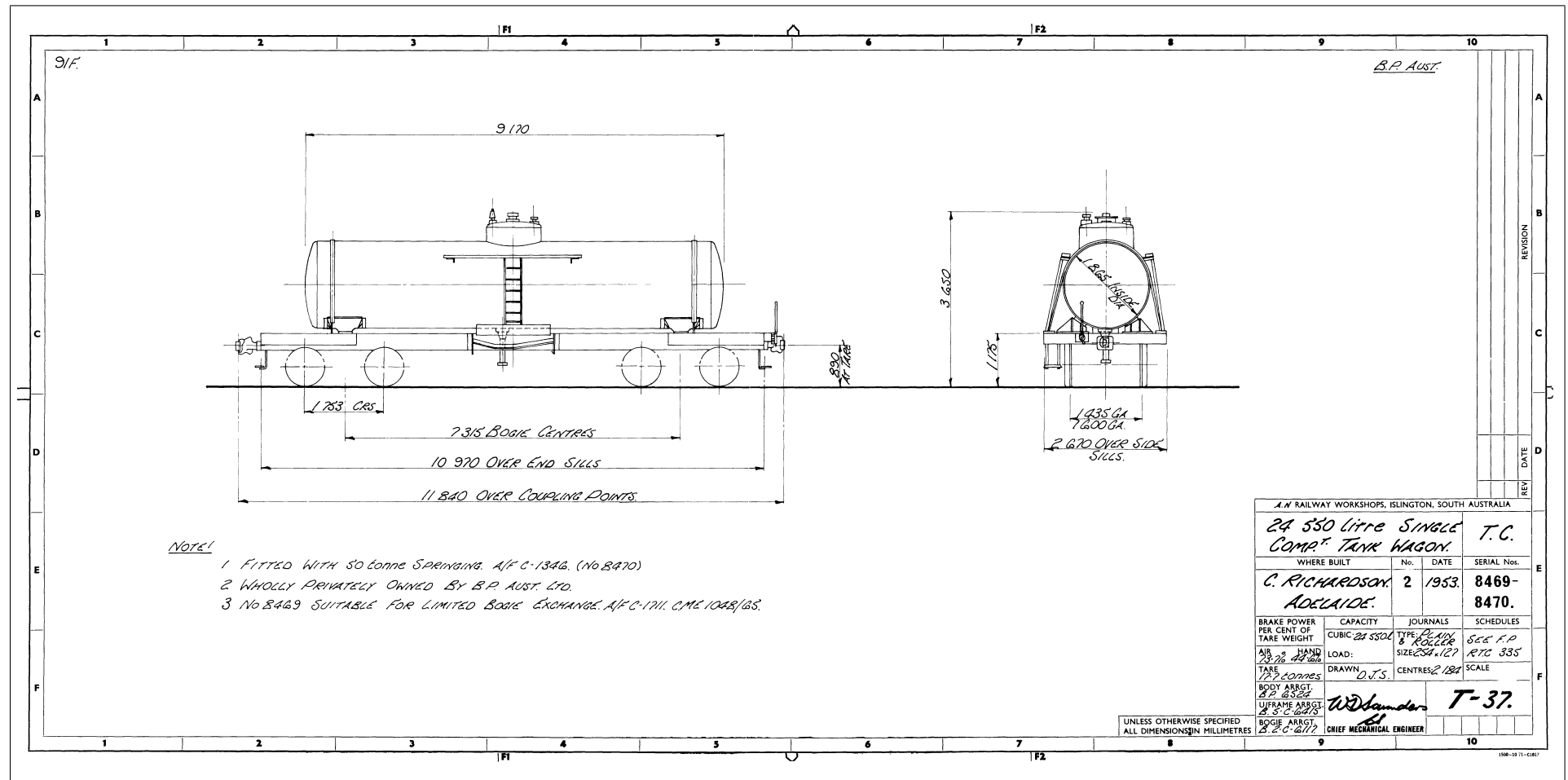
PlanId: T35

14.36 TC 45 460L Two Compartment Tank Wagon



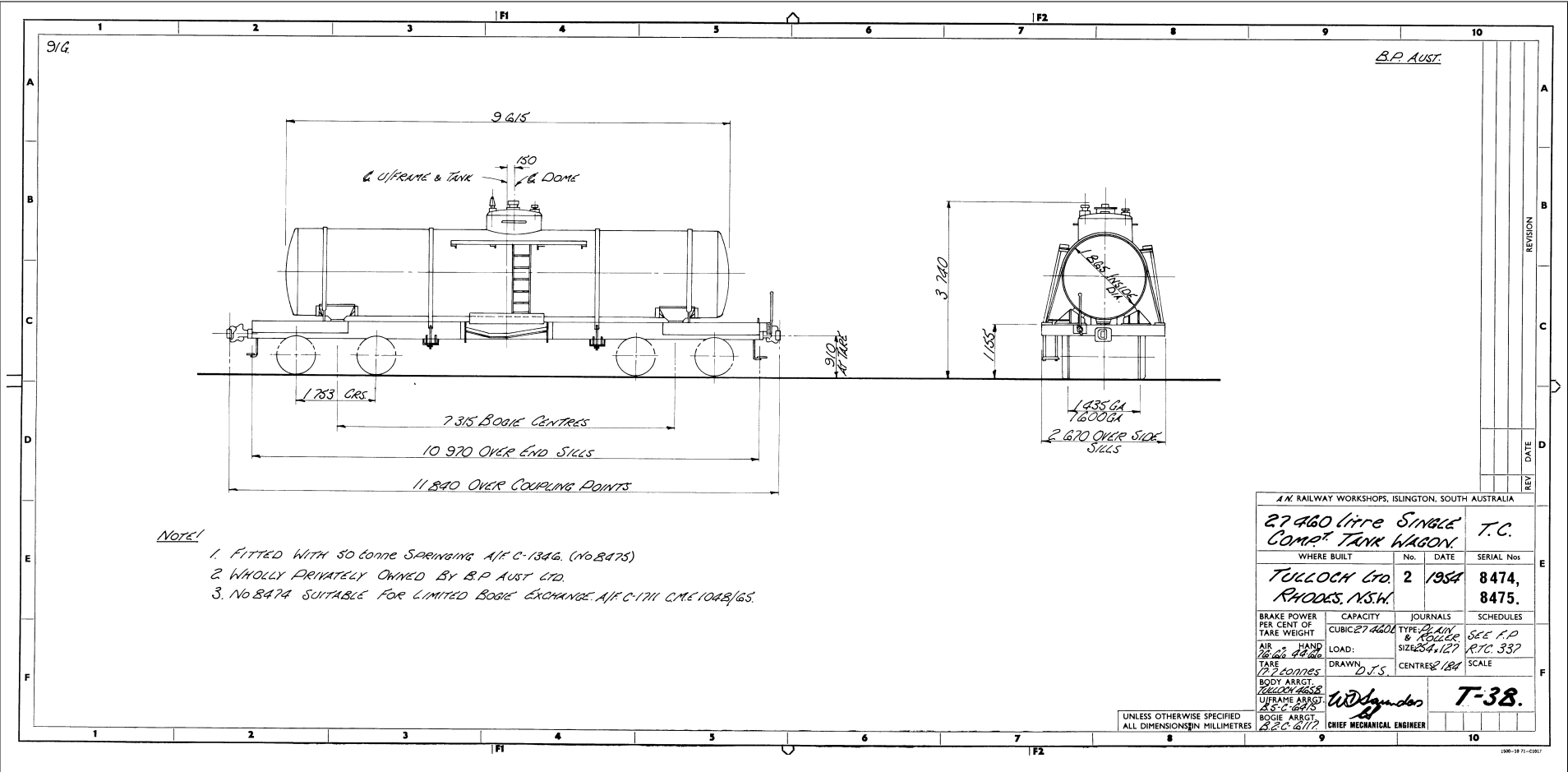
PlanId: T36

14.37 TC 25 450L Single Compartment Tank Wagon



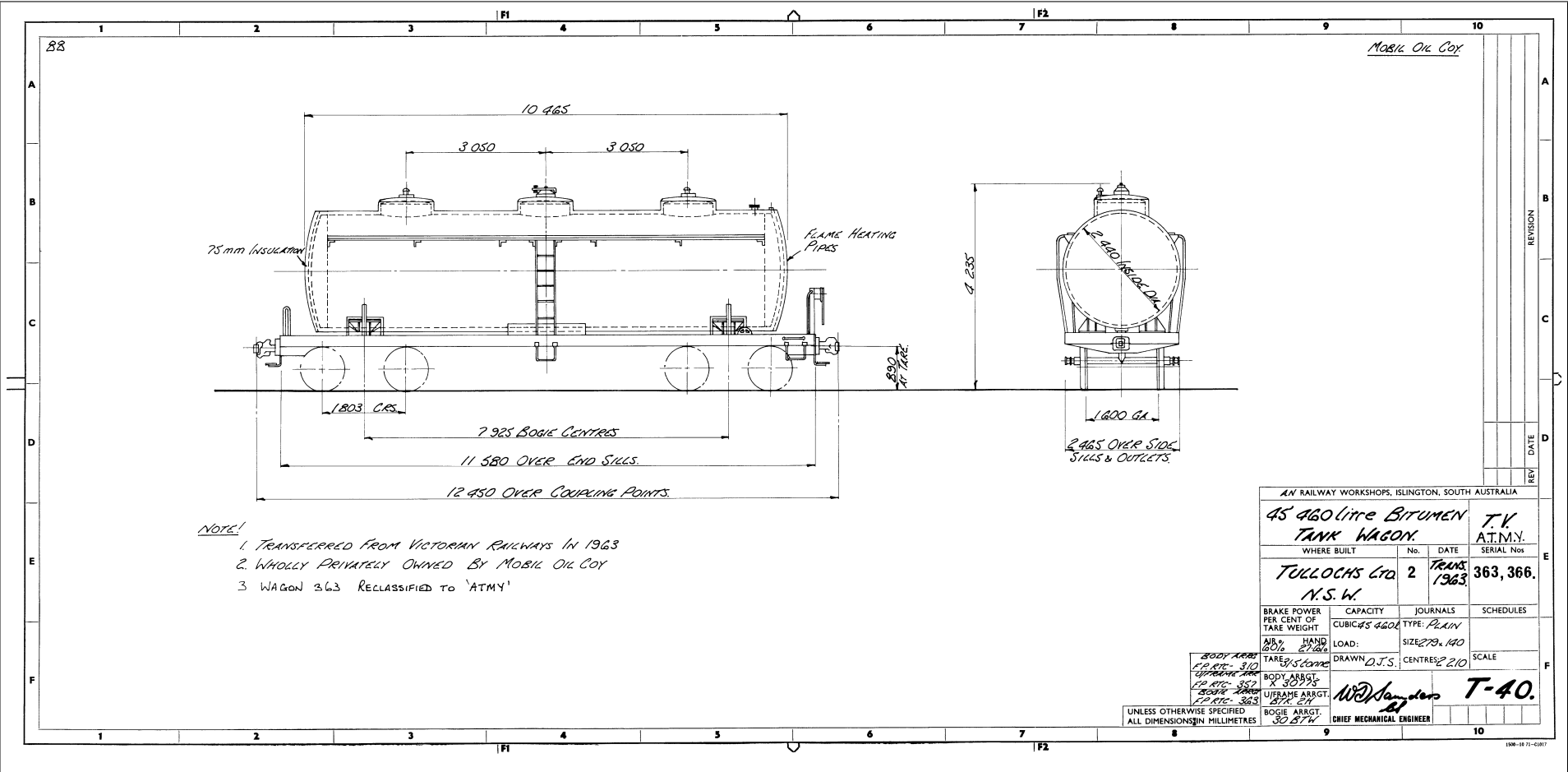
PlanId: T37

14.38 TC 27 460L Single Compartment Tank Wagon



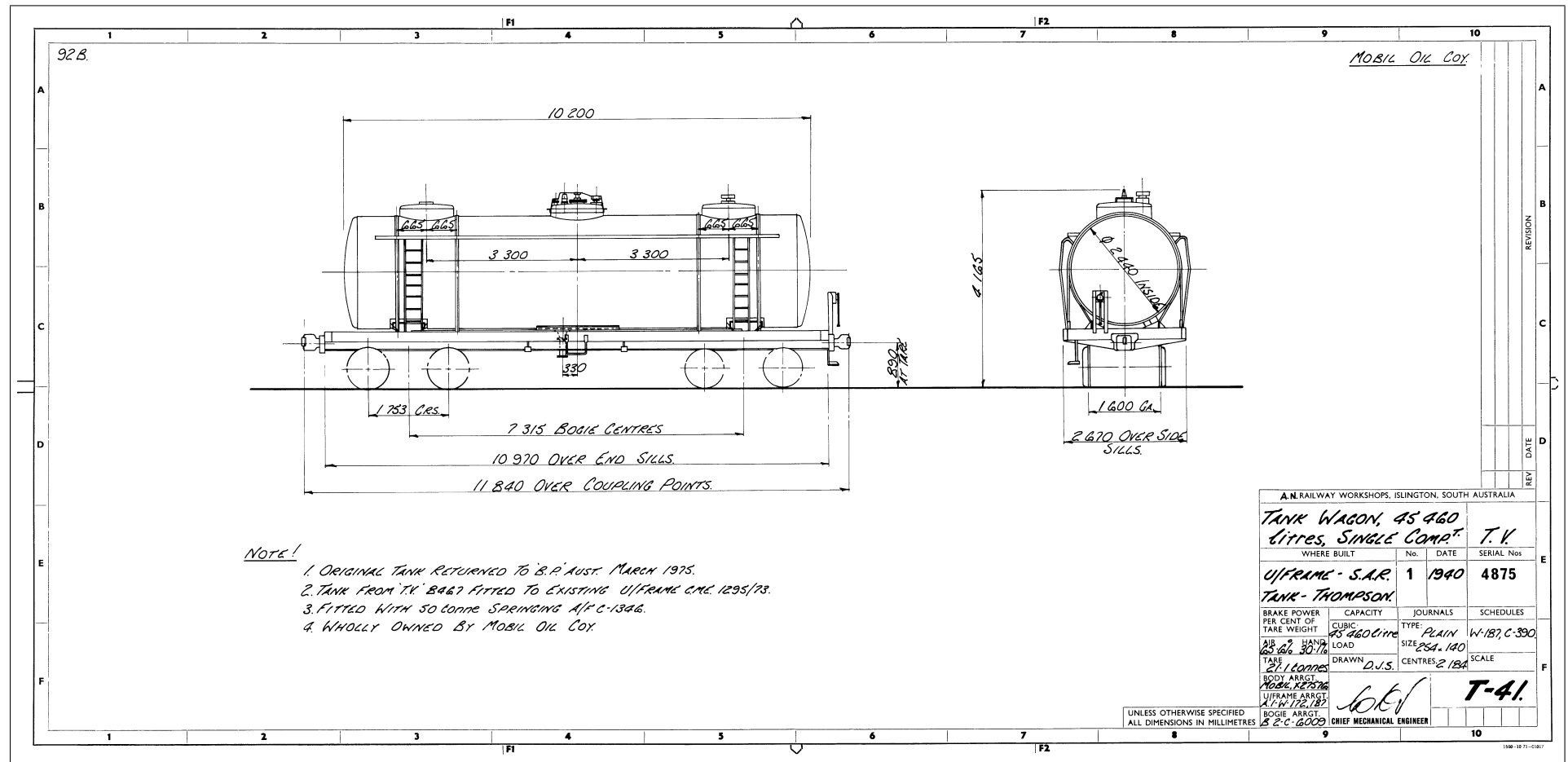
PlanId: T38

14.40 TV ATMY 45 460L Bitumen Tank Wagon



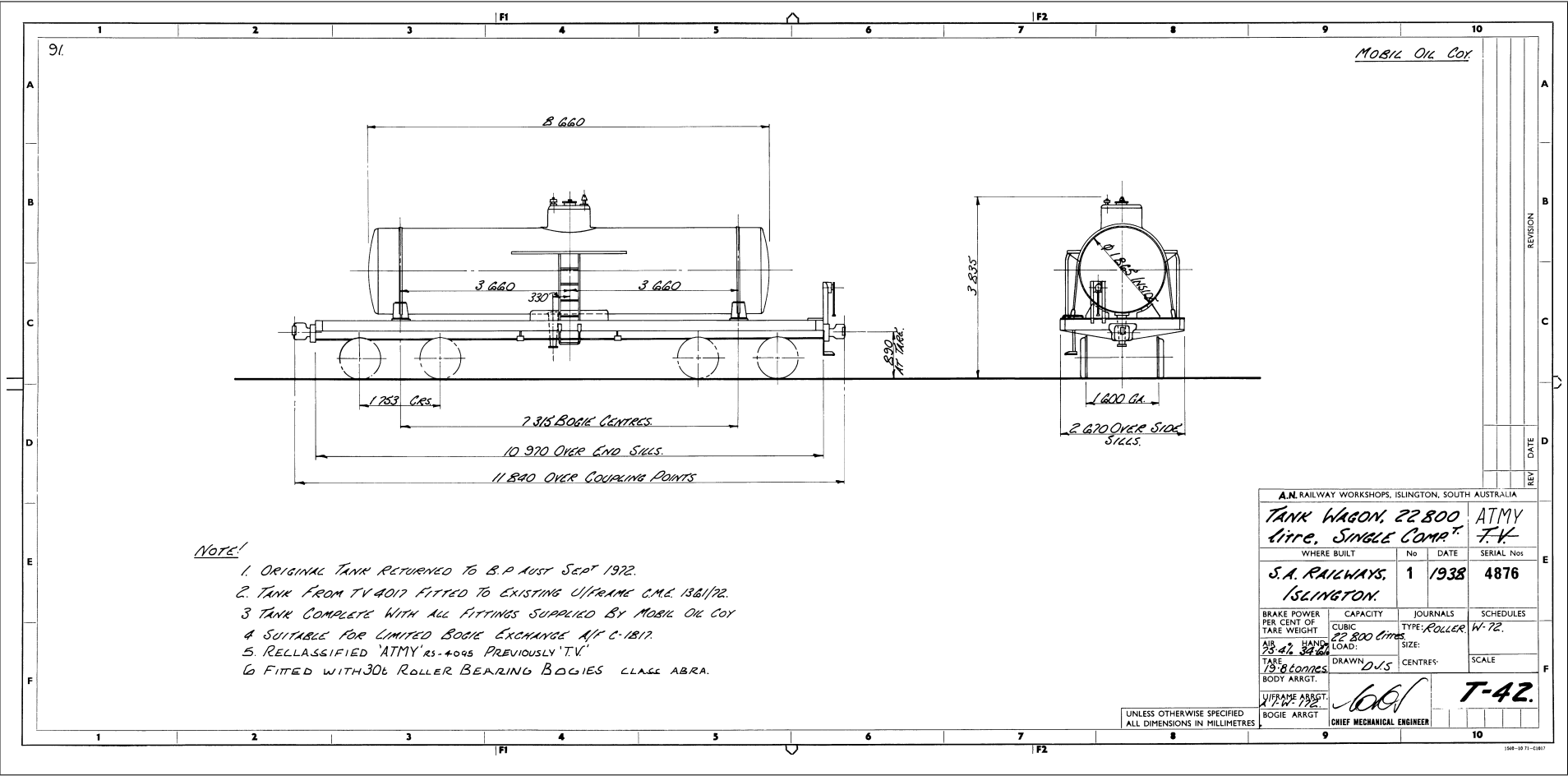
PlanId: T40

14.41 TV 45 460L Single Compartment Tank Wagon



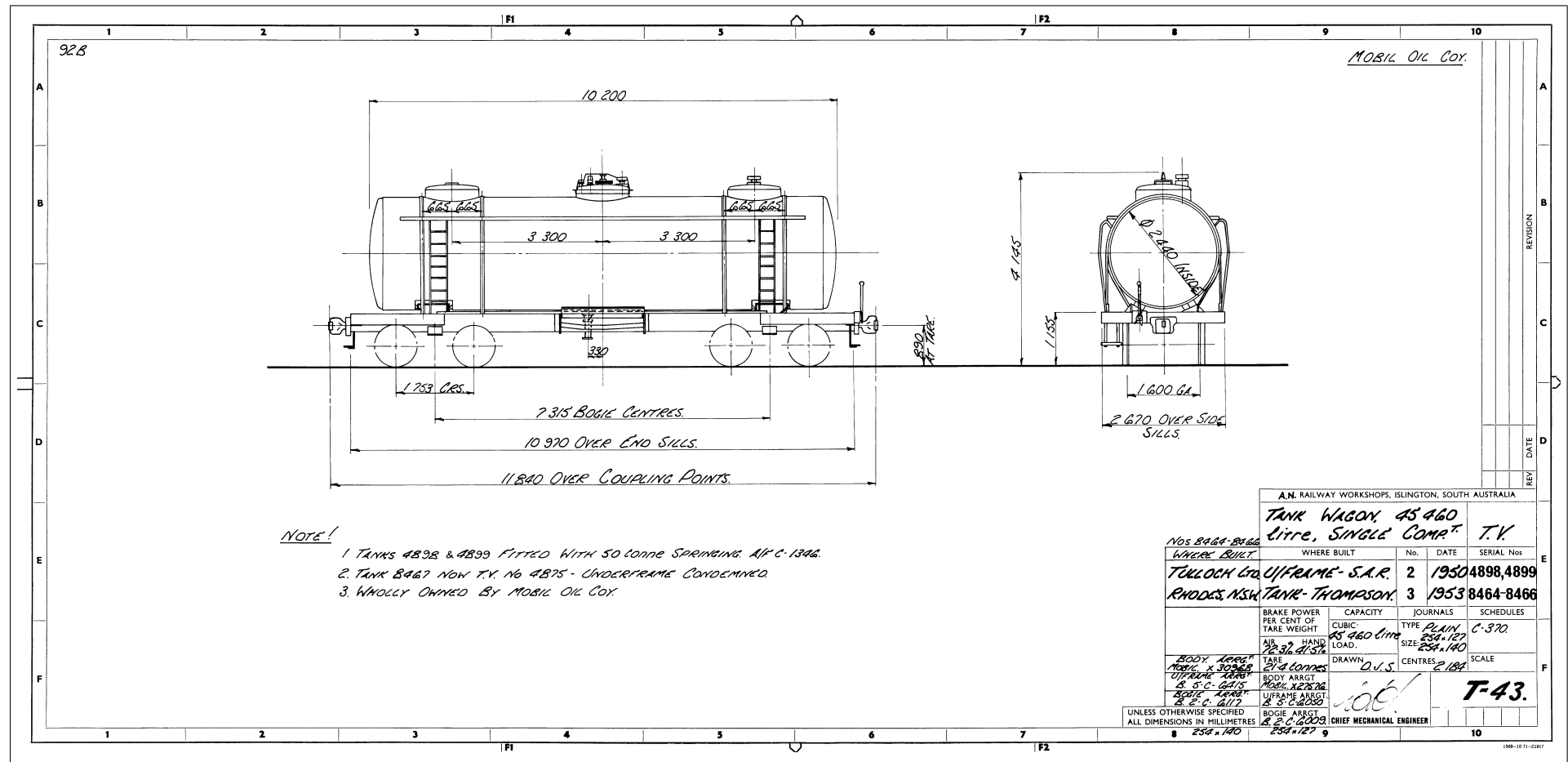
PlanId: T41

14.42 ATMY TV 22 800L Single Compartment Tank Wagon



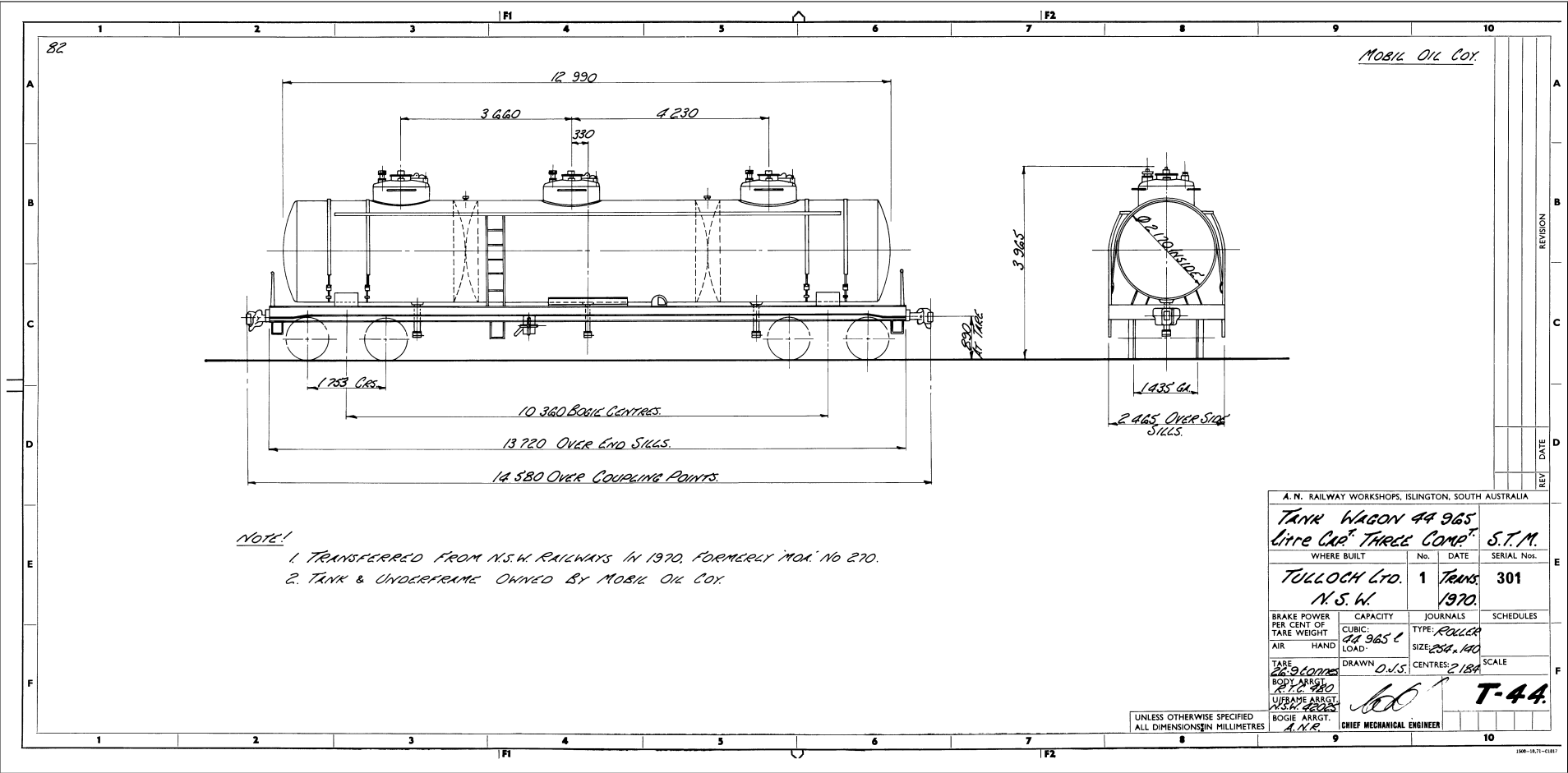
PlanId: T42

14.43 TV 45 460L Single Compartment Tank Wagon



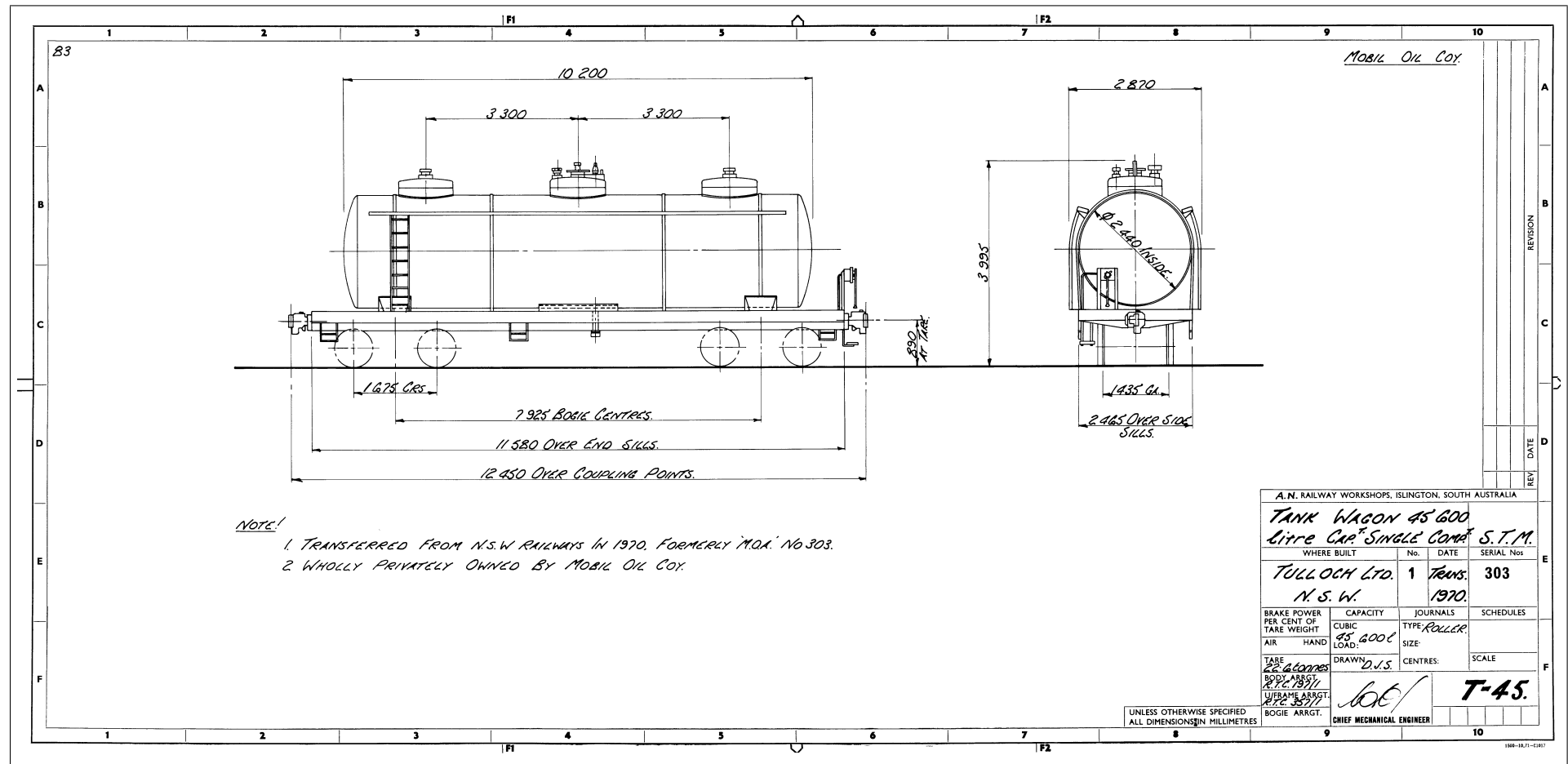
PlanId: T43

14.44 STM 44 965L Three Compartment Tank Wagon



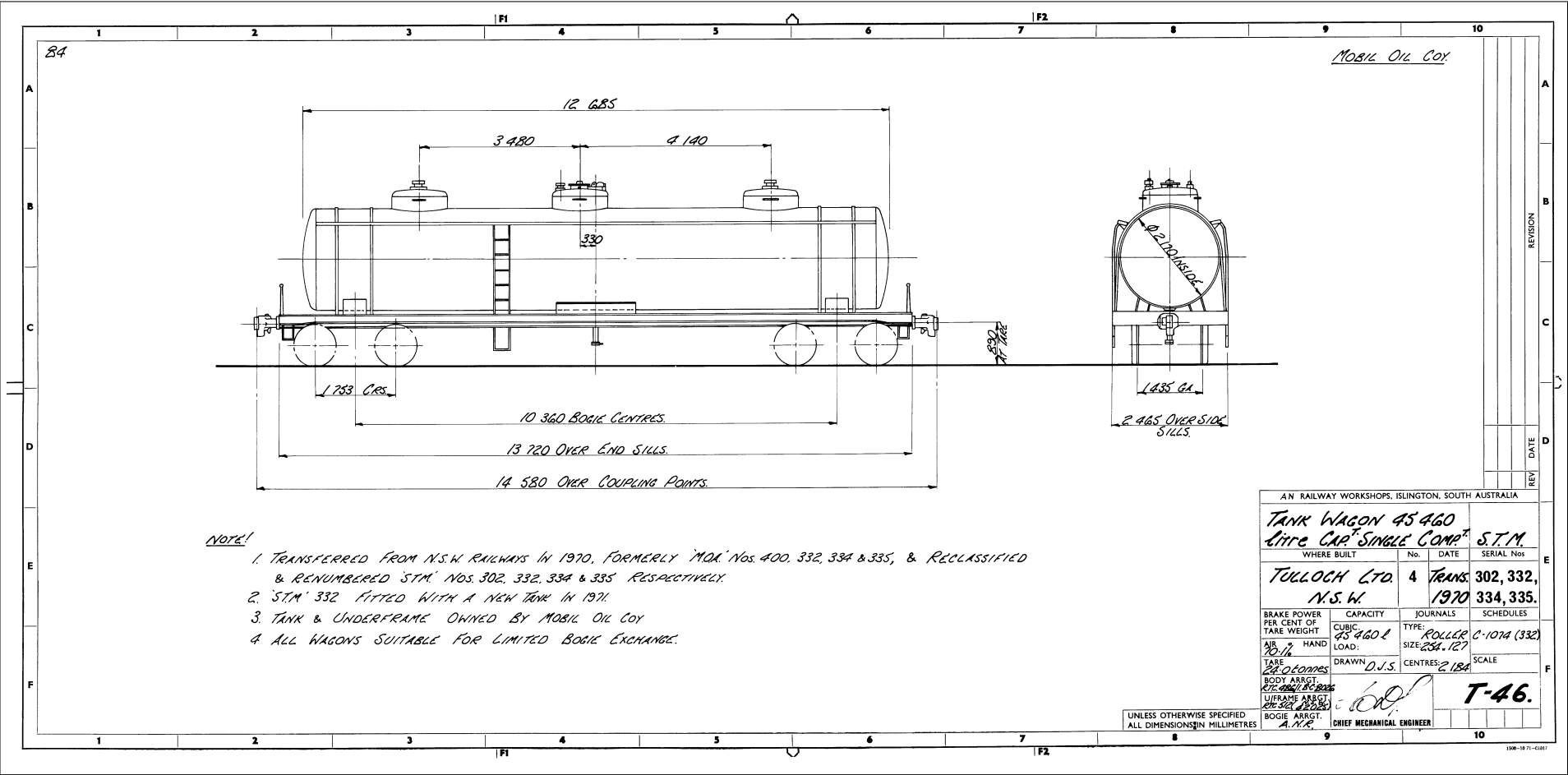
PlanId: T44

14.45 STM 45 000L Single Compartment Tank Wagon



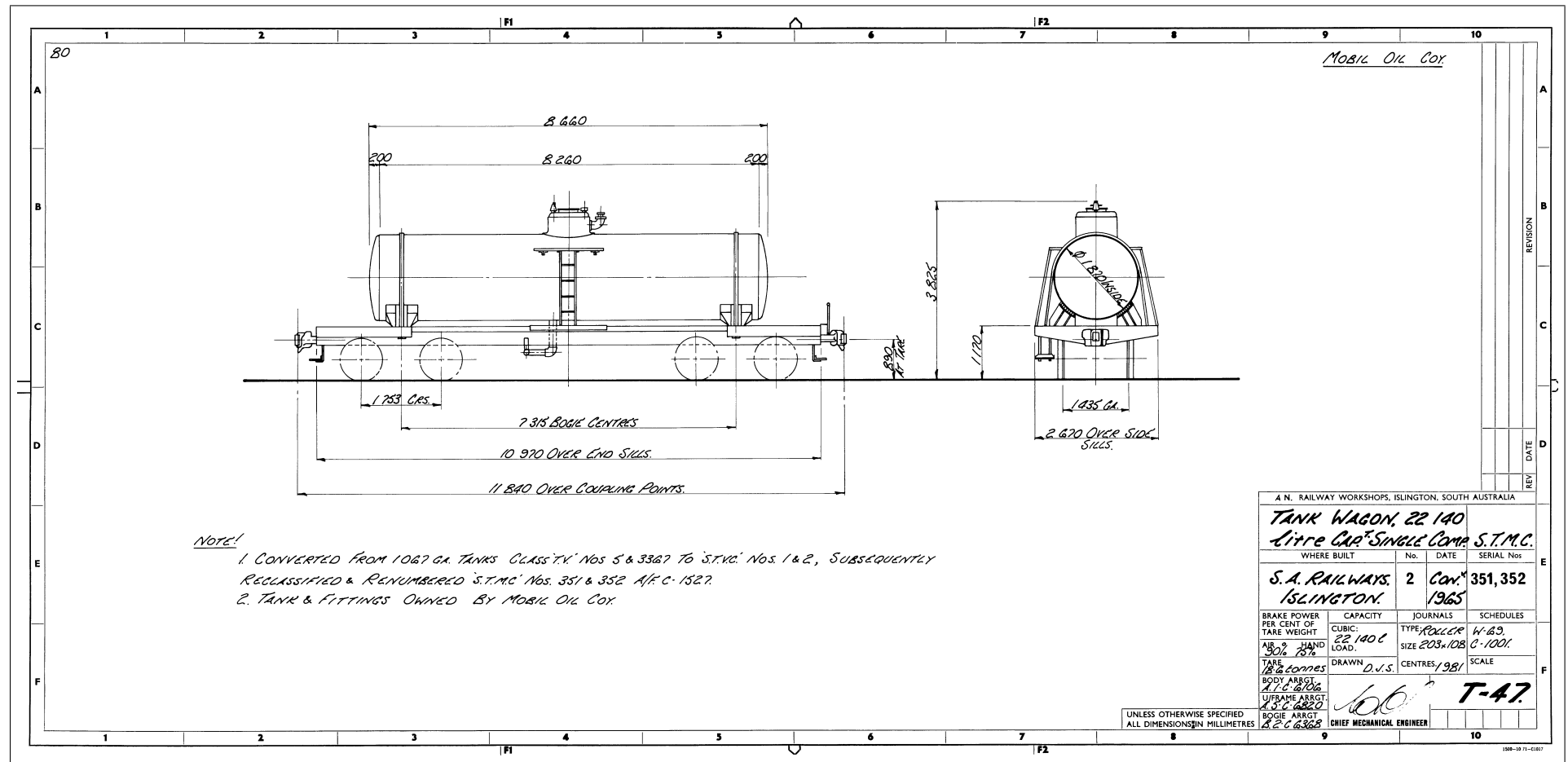
PlanId: T45

14.46 STM 45 000L Single Compartment Tank Wagon



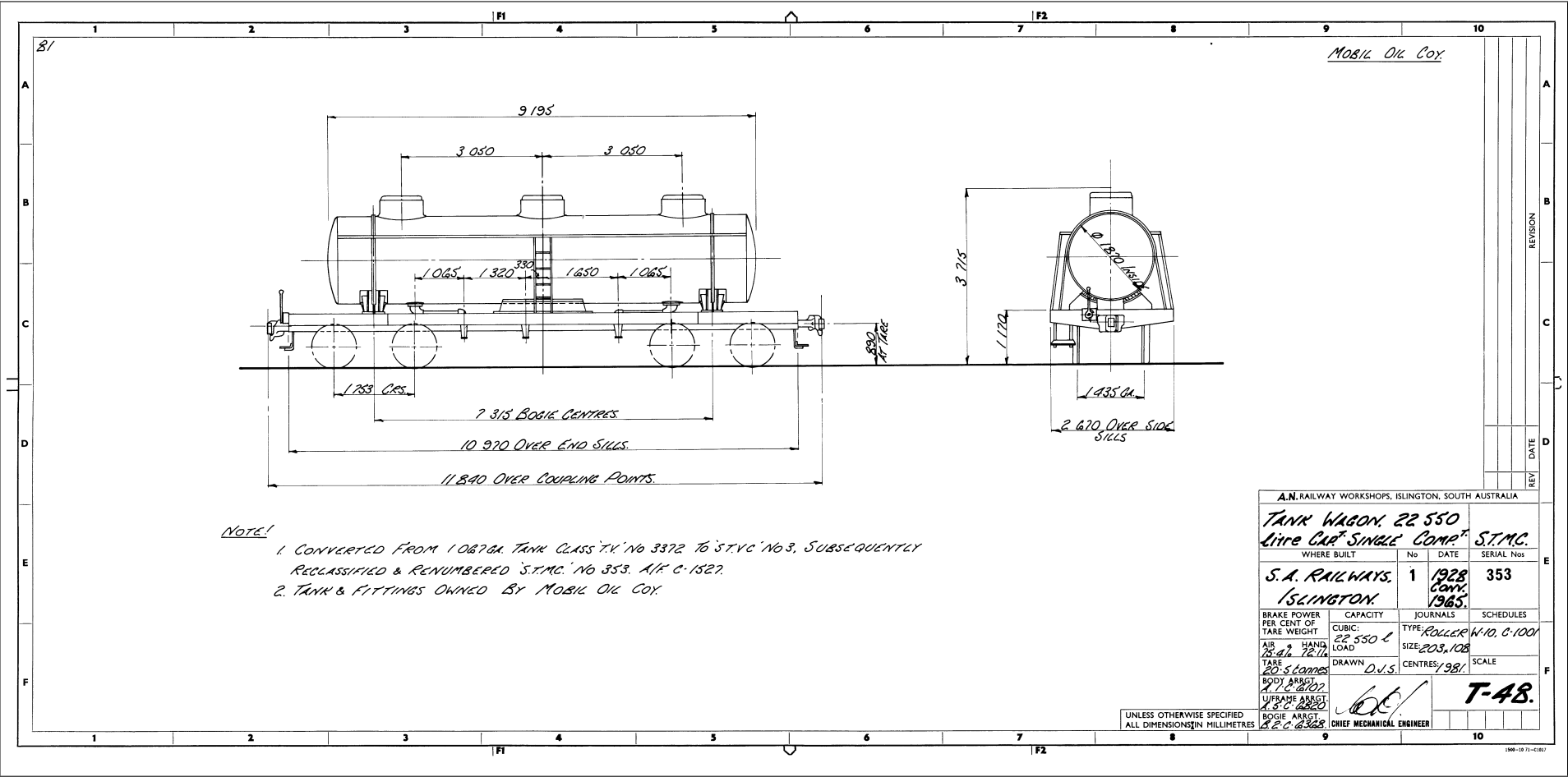
PlanId: T46

14.47 STMC 22 140L Single Compartment Tank Wagon



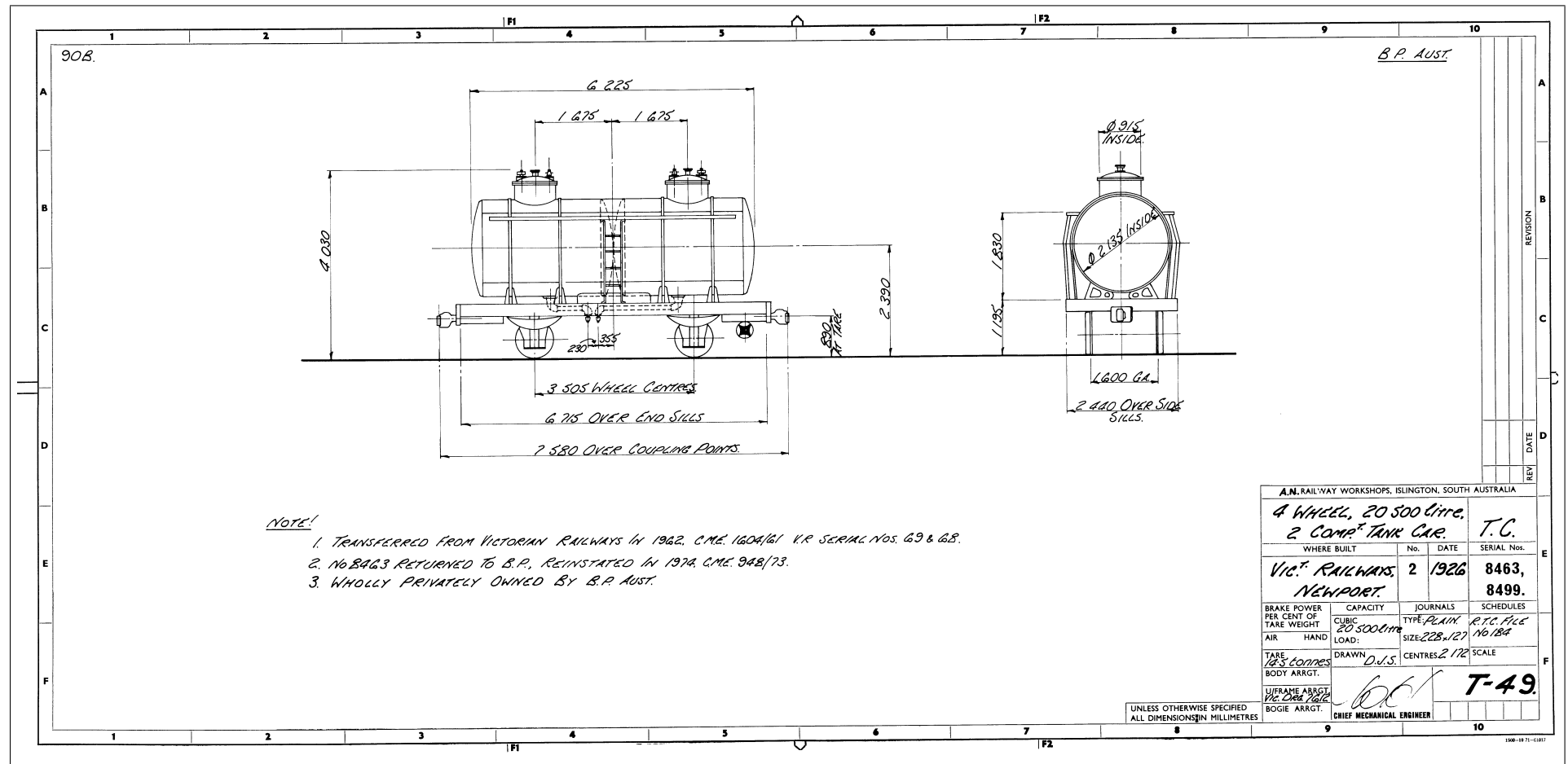
PlanId: T47

14.48 STMC 22 550L Single Compartment Tank Wagon



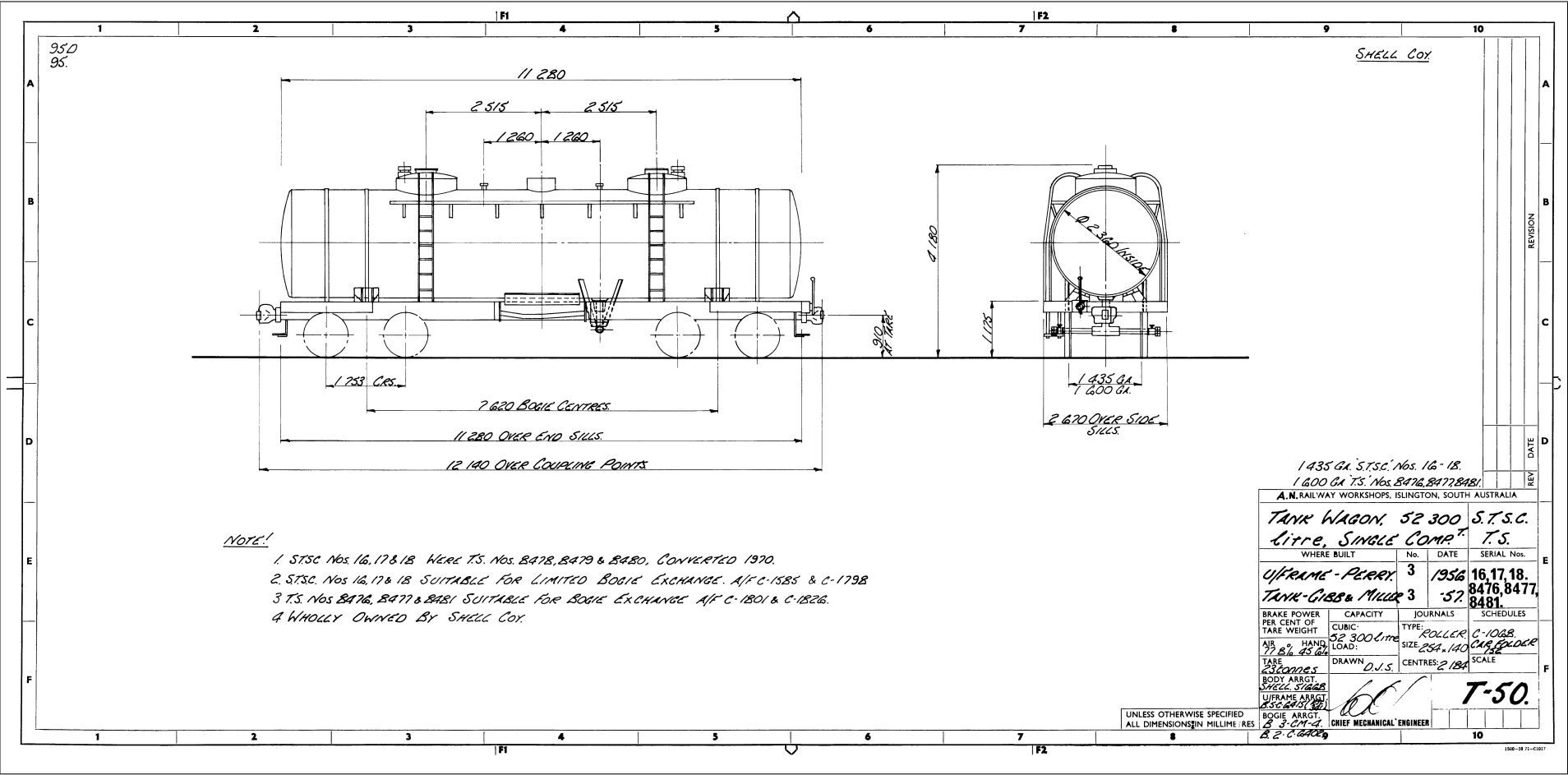
PlanId: T48

14.49 TC 25 000L 4 Wheel Two Compartment Tank Wagon



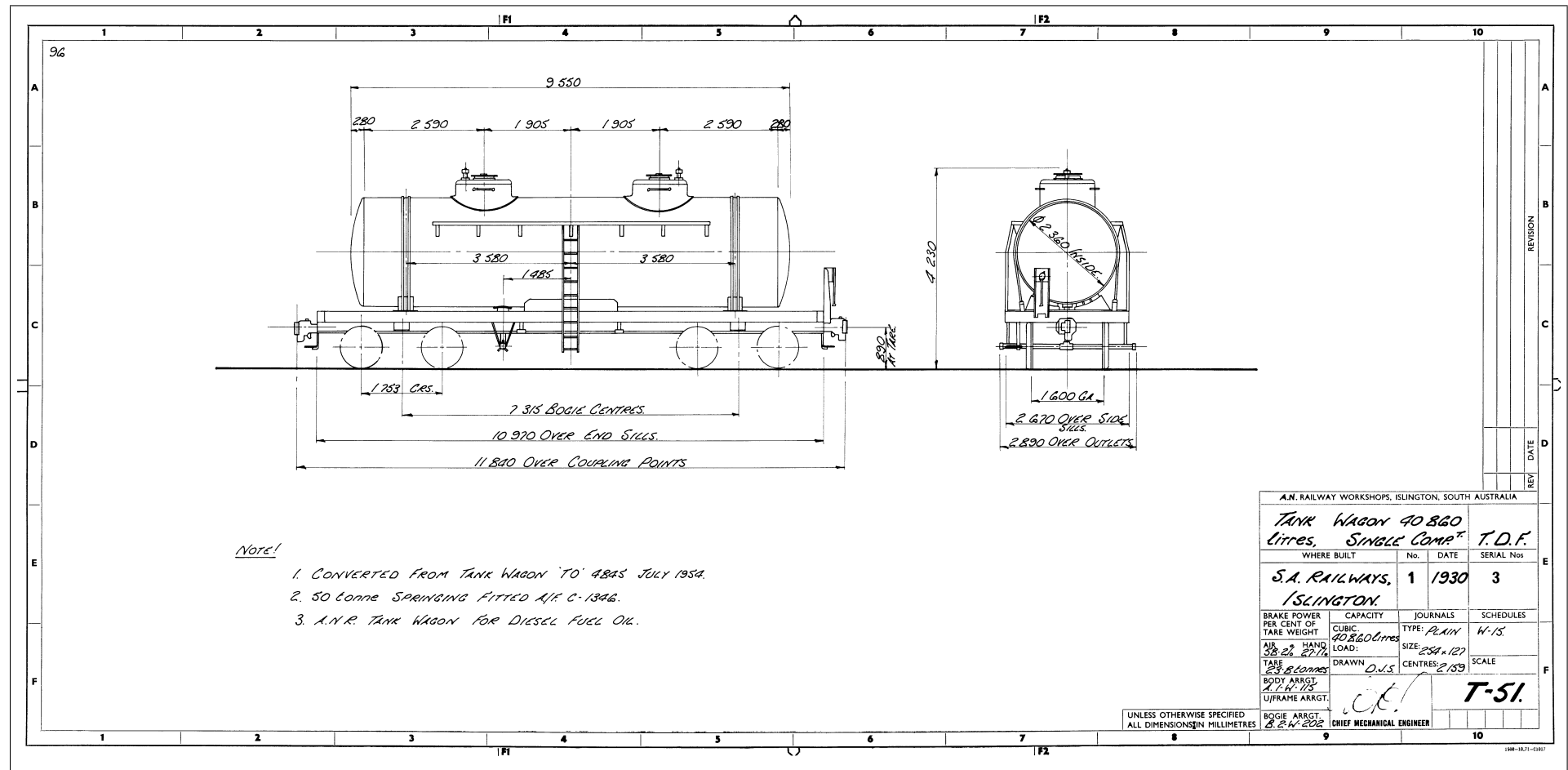
PlanId: T49

14.50 STSC TS 52 300L Single Compartment Tank Wagon



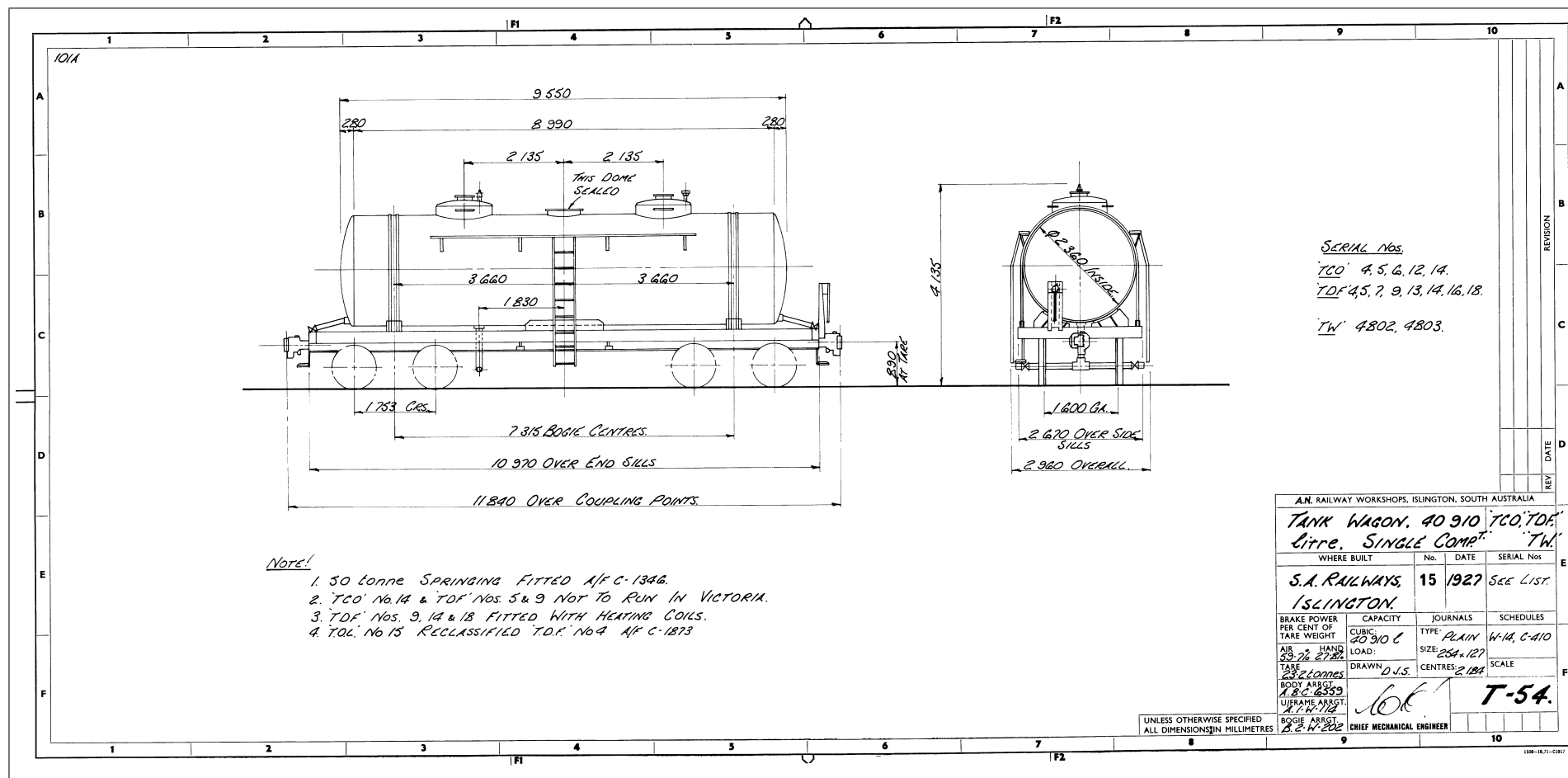
PlanId: T50

14.51 TDF 40 860L Single Compartment Tank Wagon

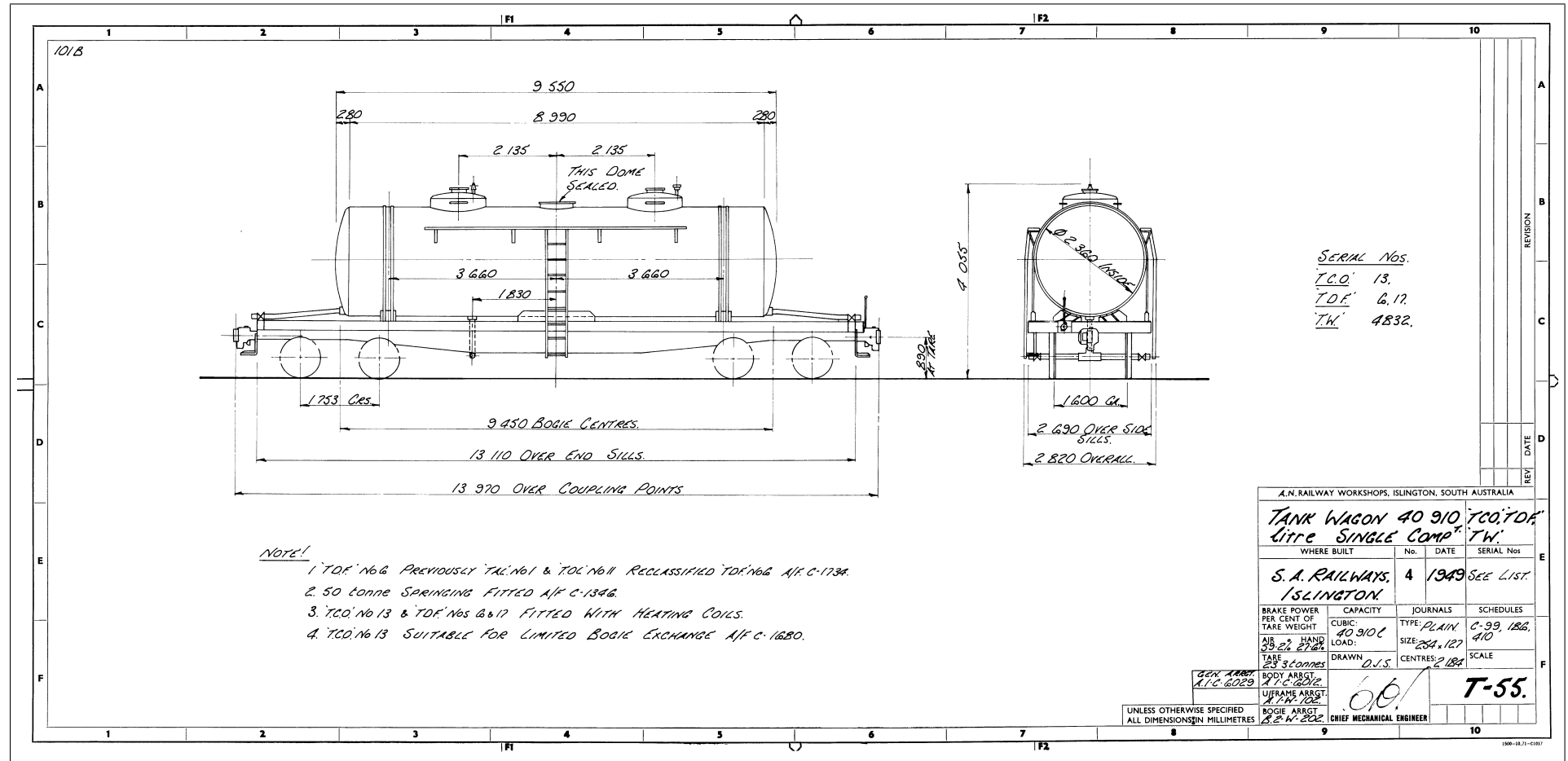


PlanId: T51



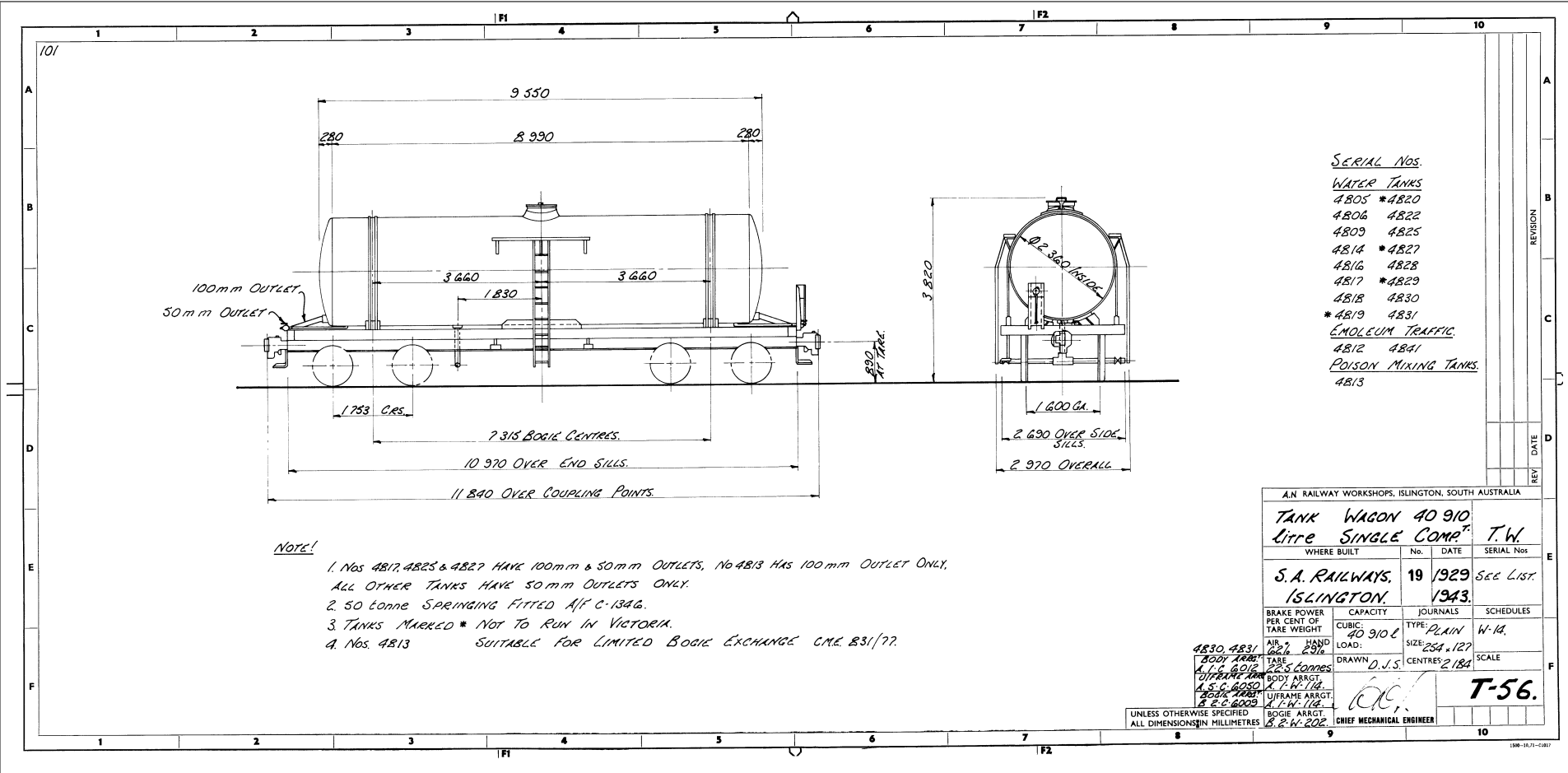


14.55 TDF TCO TW 40 910L Single Compartment Tank Wagon



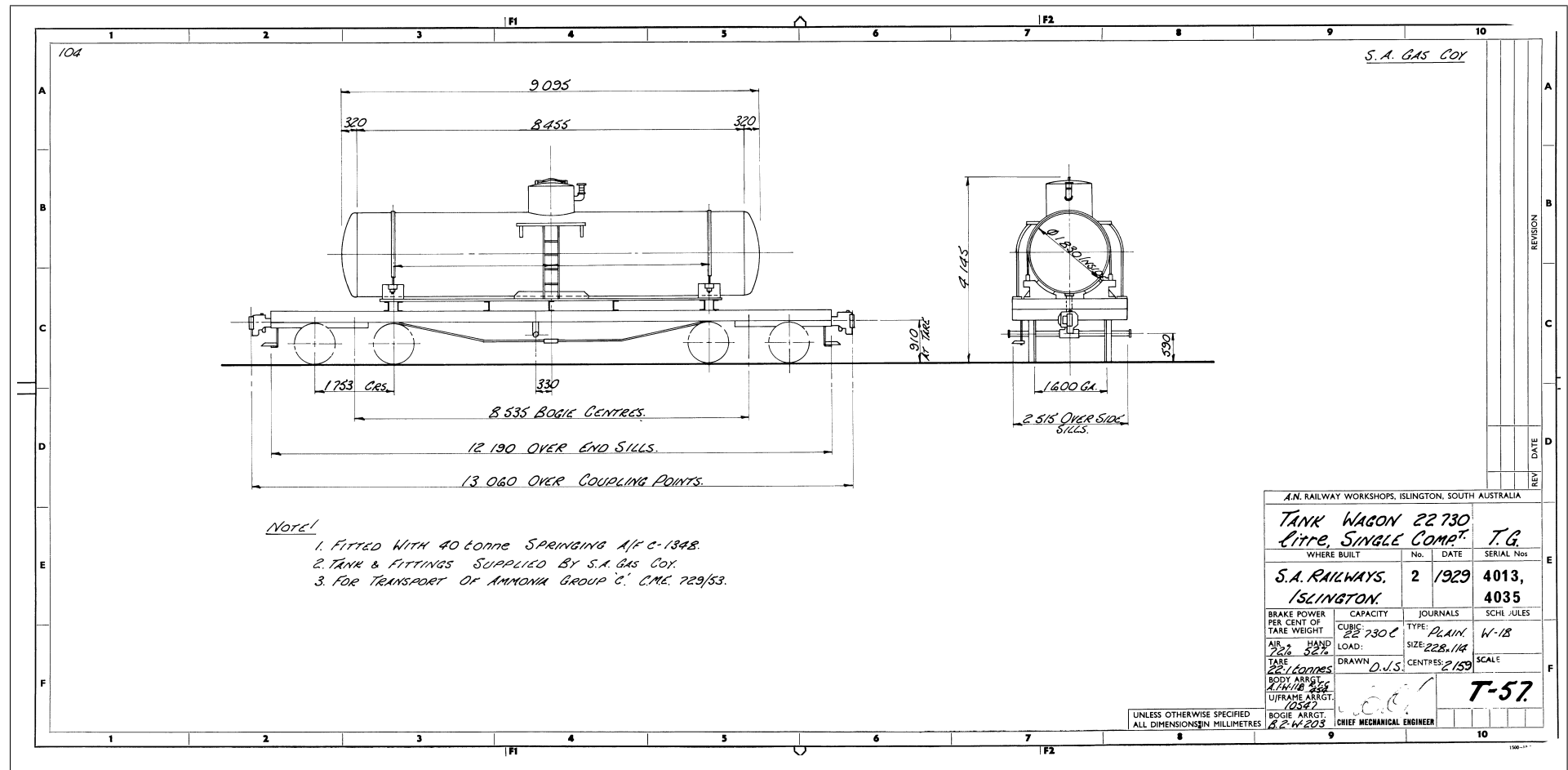
PlanId: T55

14.56 TW 40 910L Single Compartment Tank Wagon



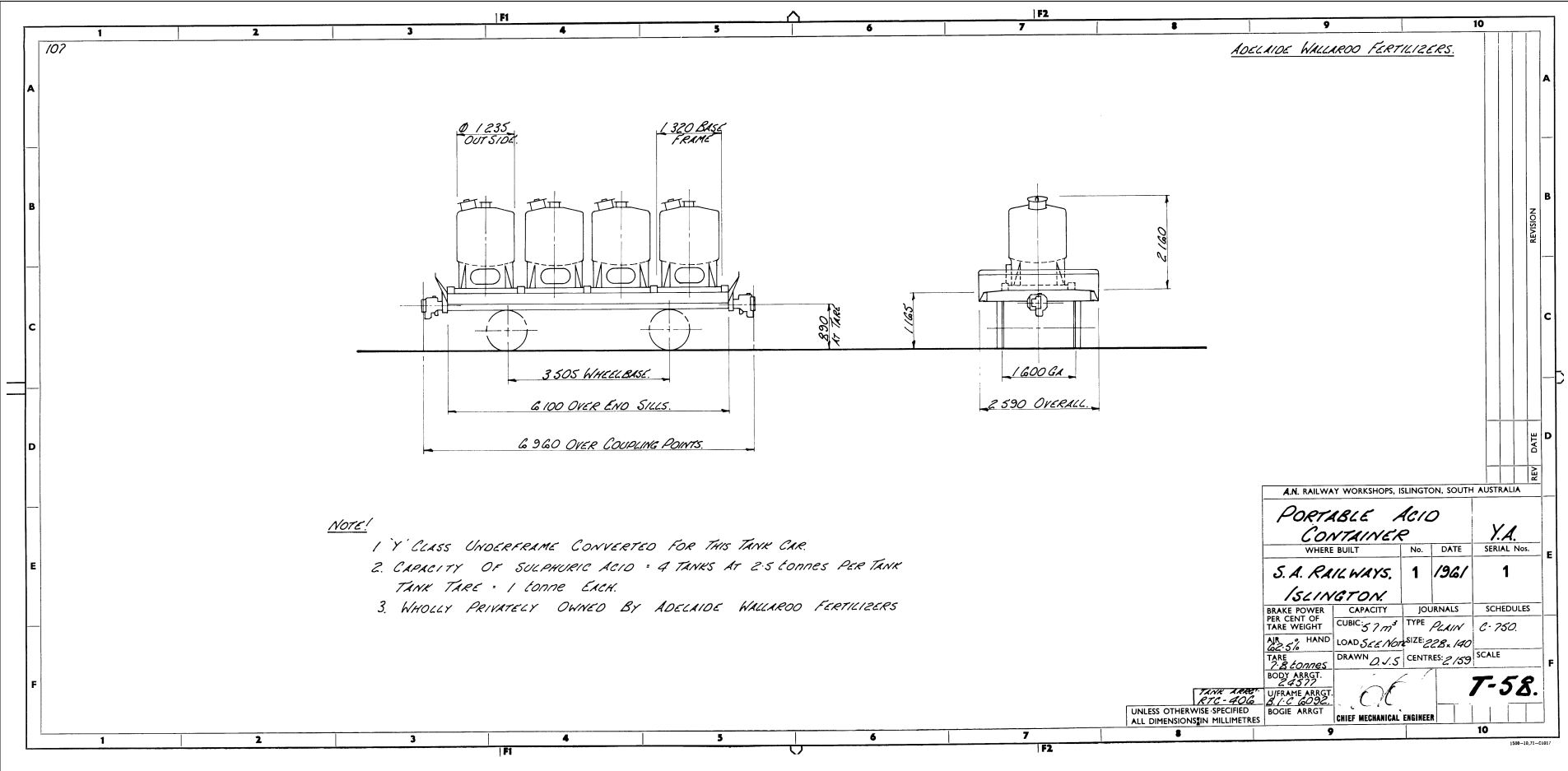
PlanId: T56

14.57 TG 22 730L Single Compartment Tank Wagon



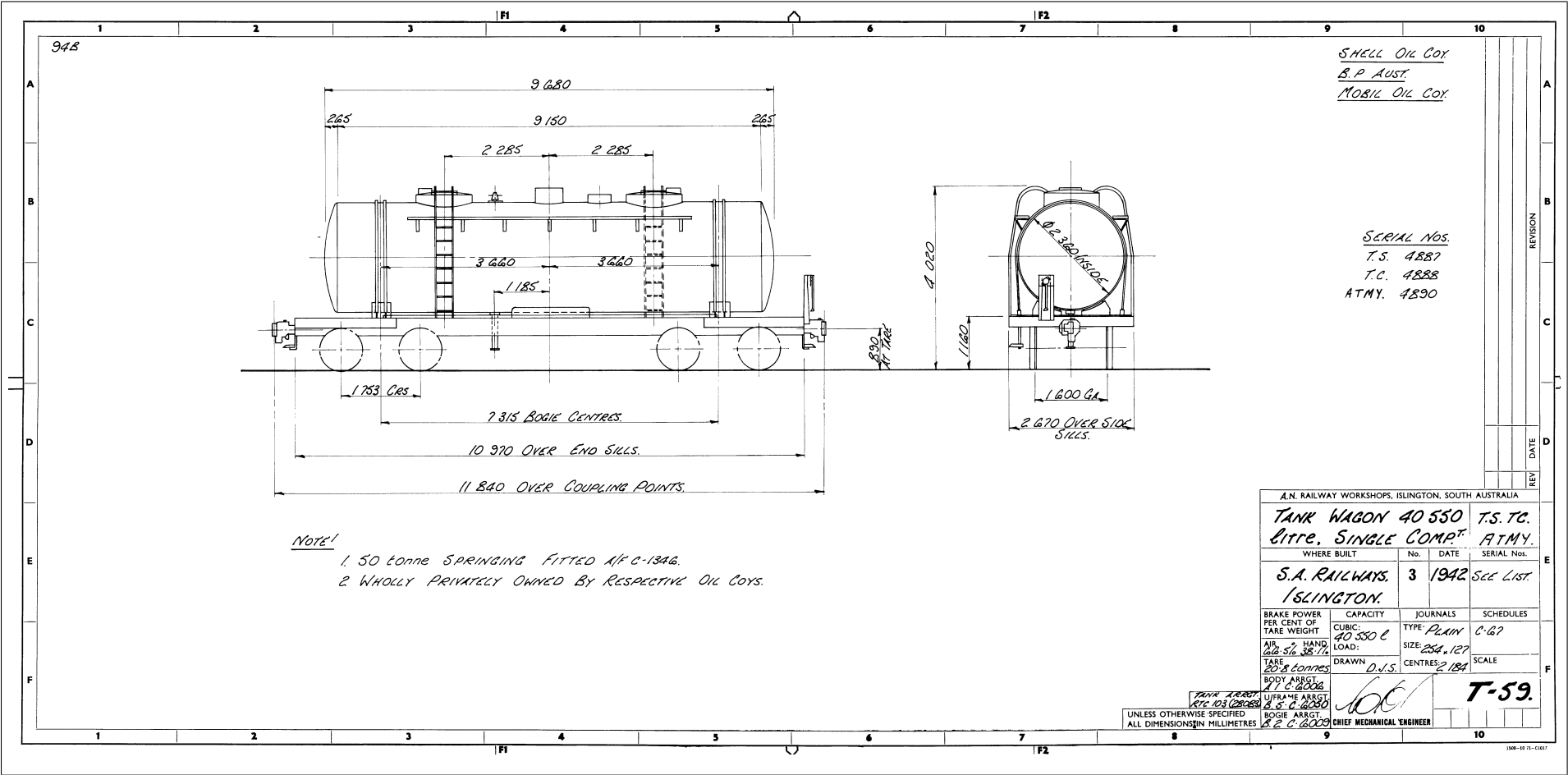
PlanId: T57

14.58 YA 4 Wheel Portable Acid Container



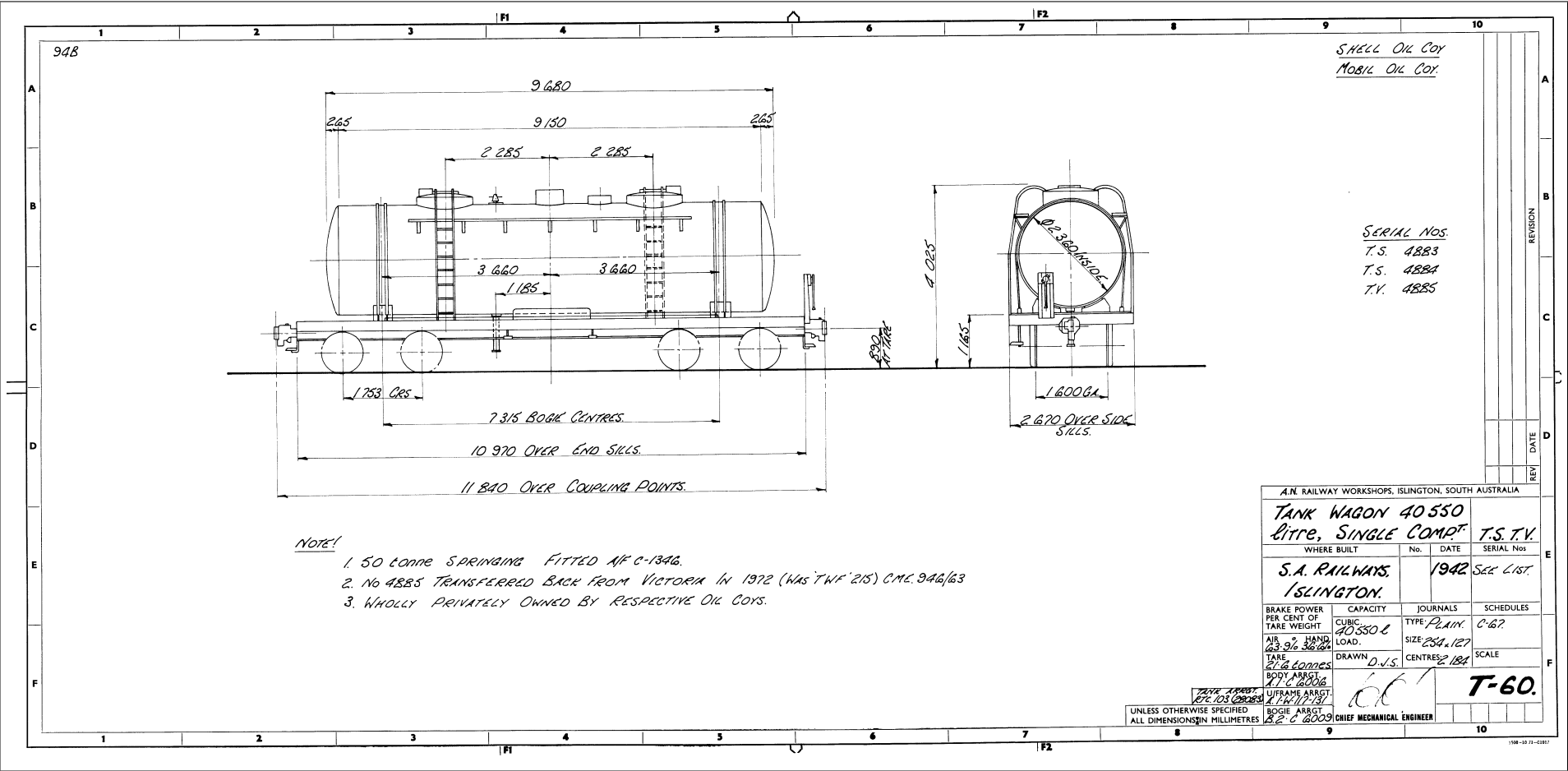
PlanId: T58

14.59 TS TC ATMY 40 550L Single Compartment Tank Wagon



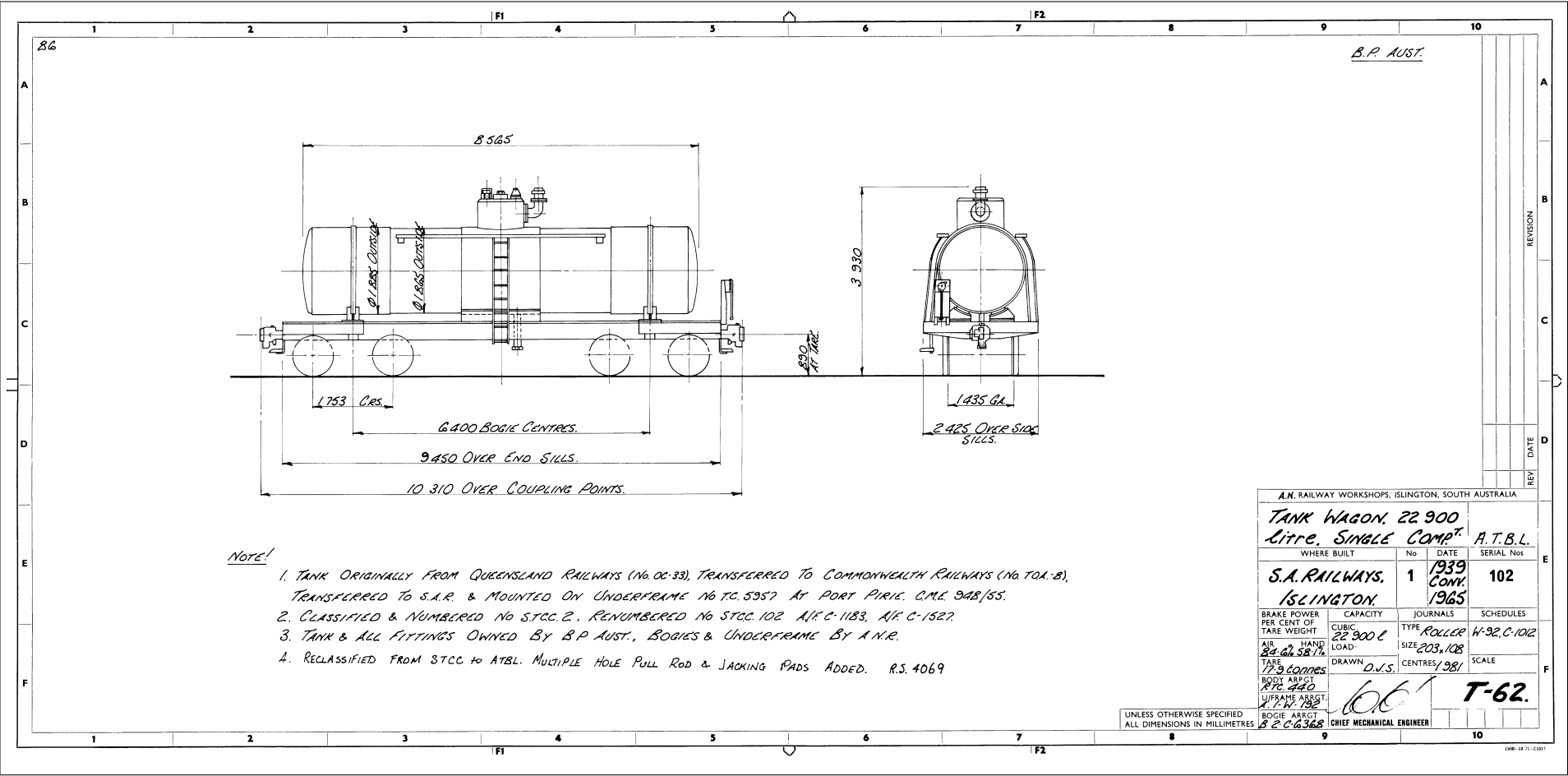
PlanId: T59

14.60 TS TV 40 550L Single Compartment Tank Wagon



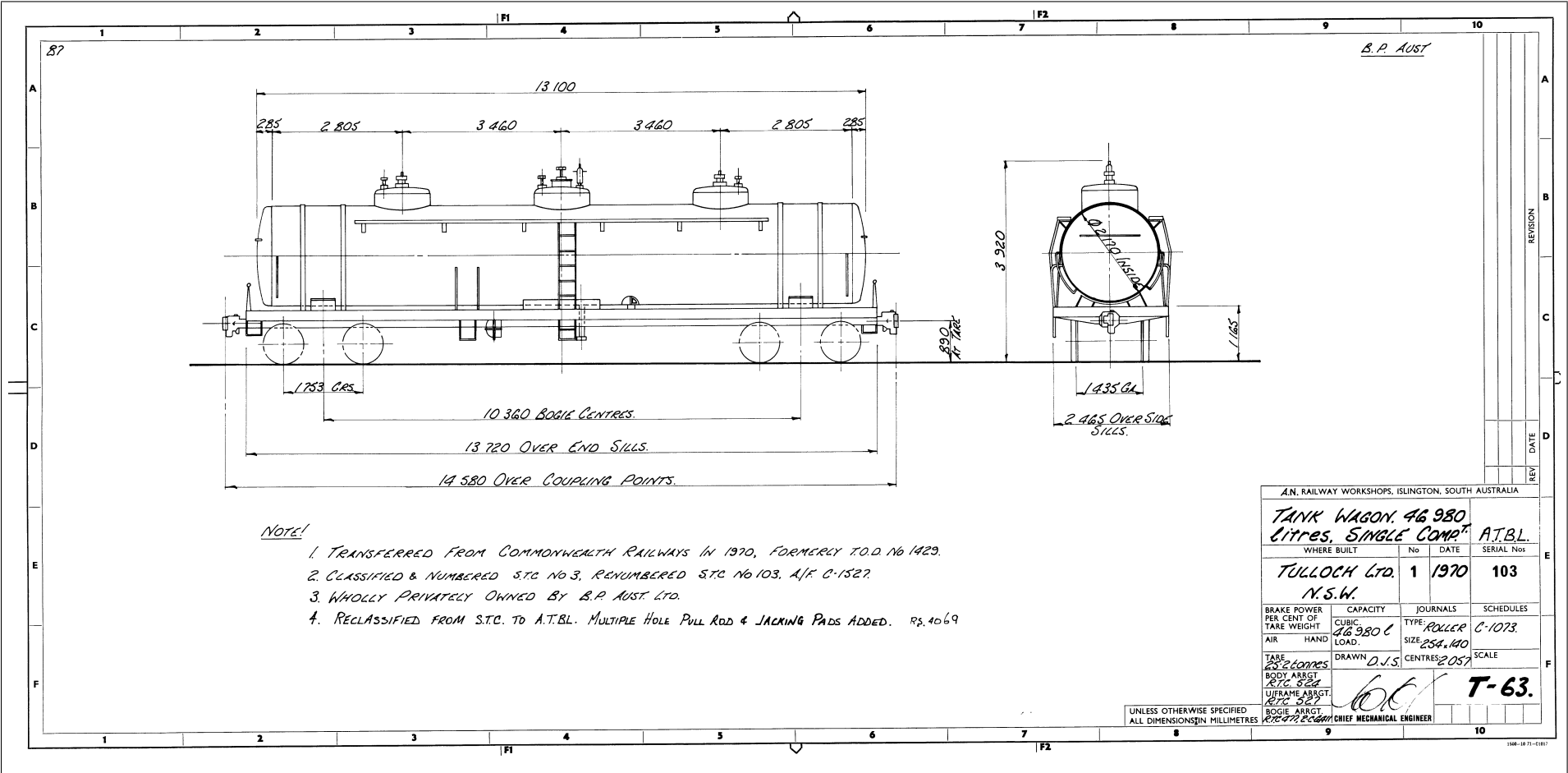
PlanId: T60

14.62 ATBL 22 900L Single Compartment Tank Wagon



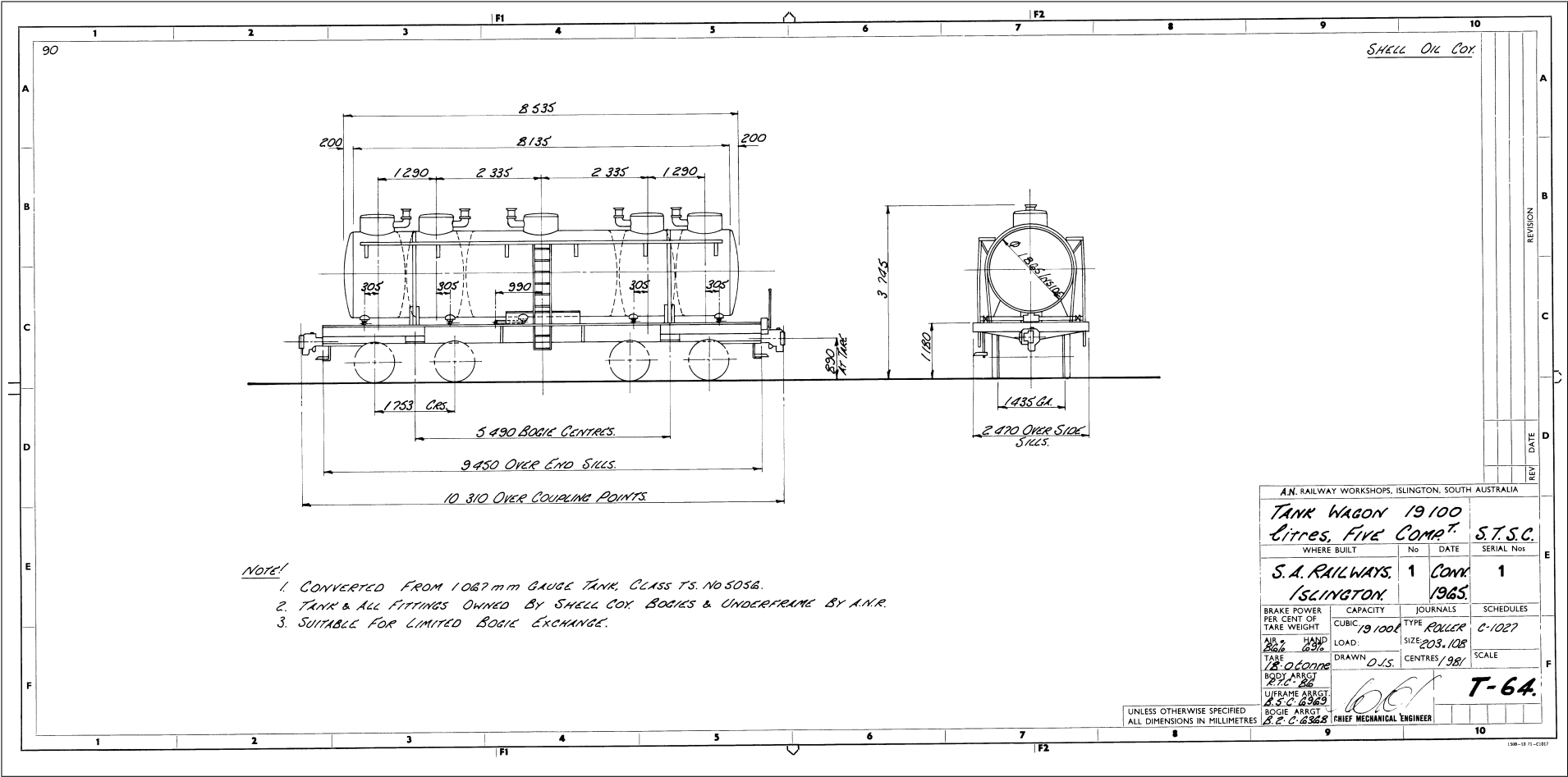
PlanId: T62

14.63 ATBL 46 980L Single Compartment Tank Wagon



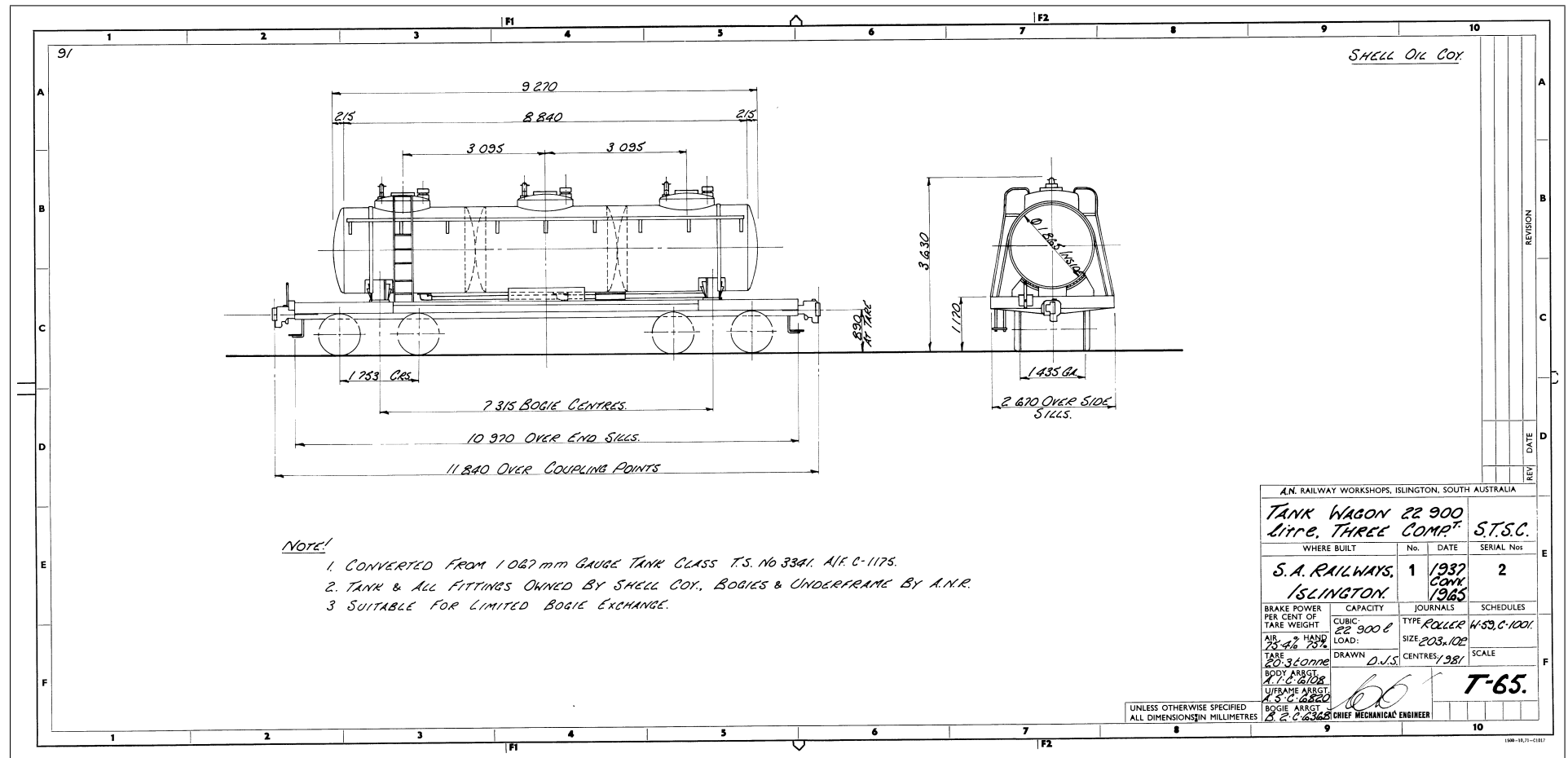
PlanId: T63

14.64 STSC 19 100L Five Compartment Tank Wagon



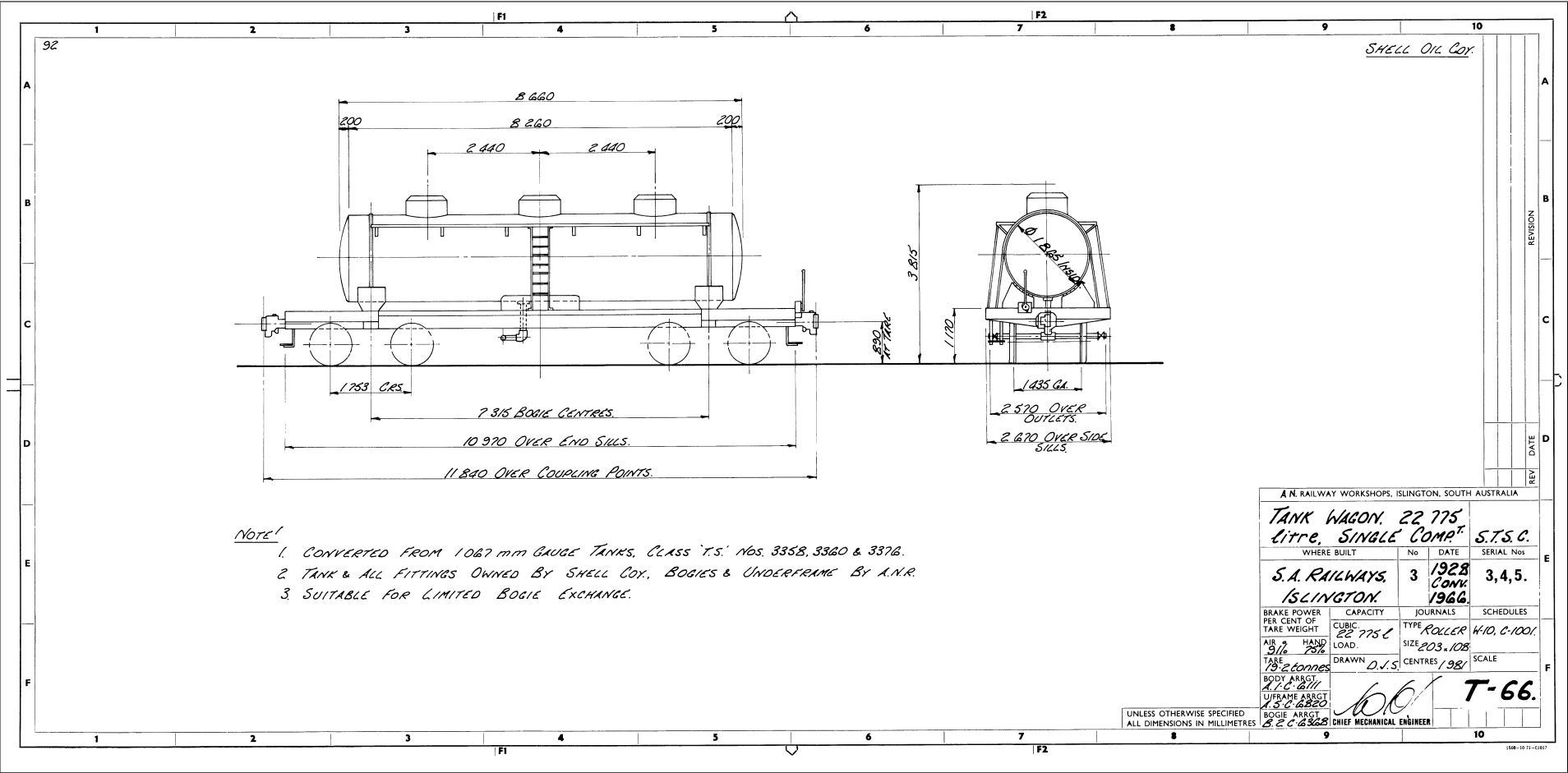
PlanId: T64

14.65 STSC 22 900L Three Compartment Tank Wagon



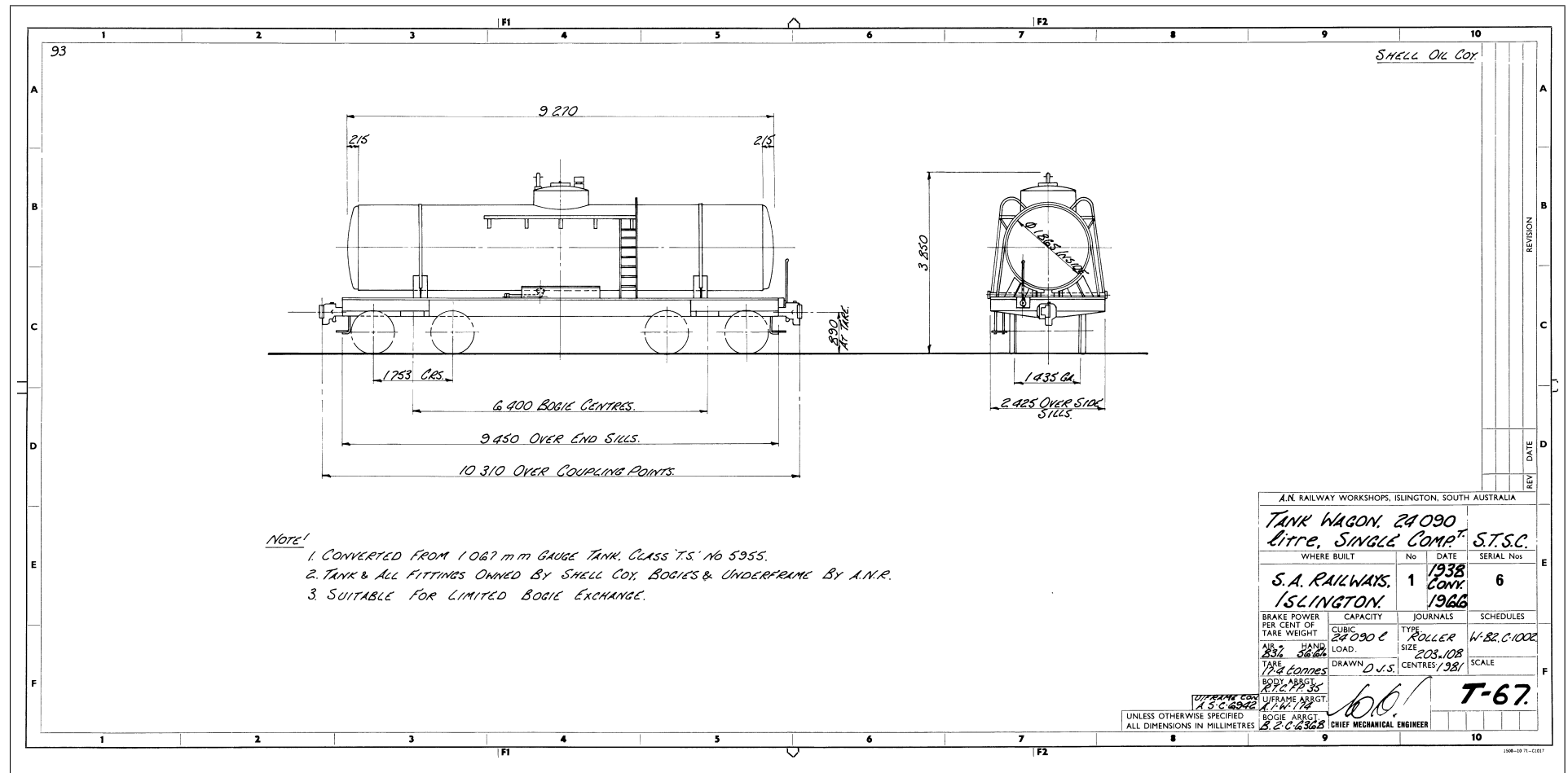
PlanId: T65

14.66 STSC 22 775L Single Compartment Tank Wagon



PlanId: T66

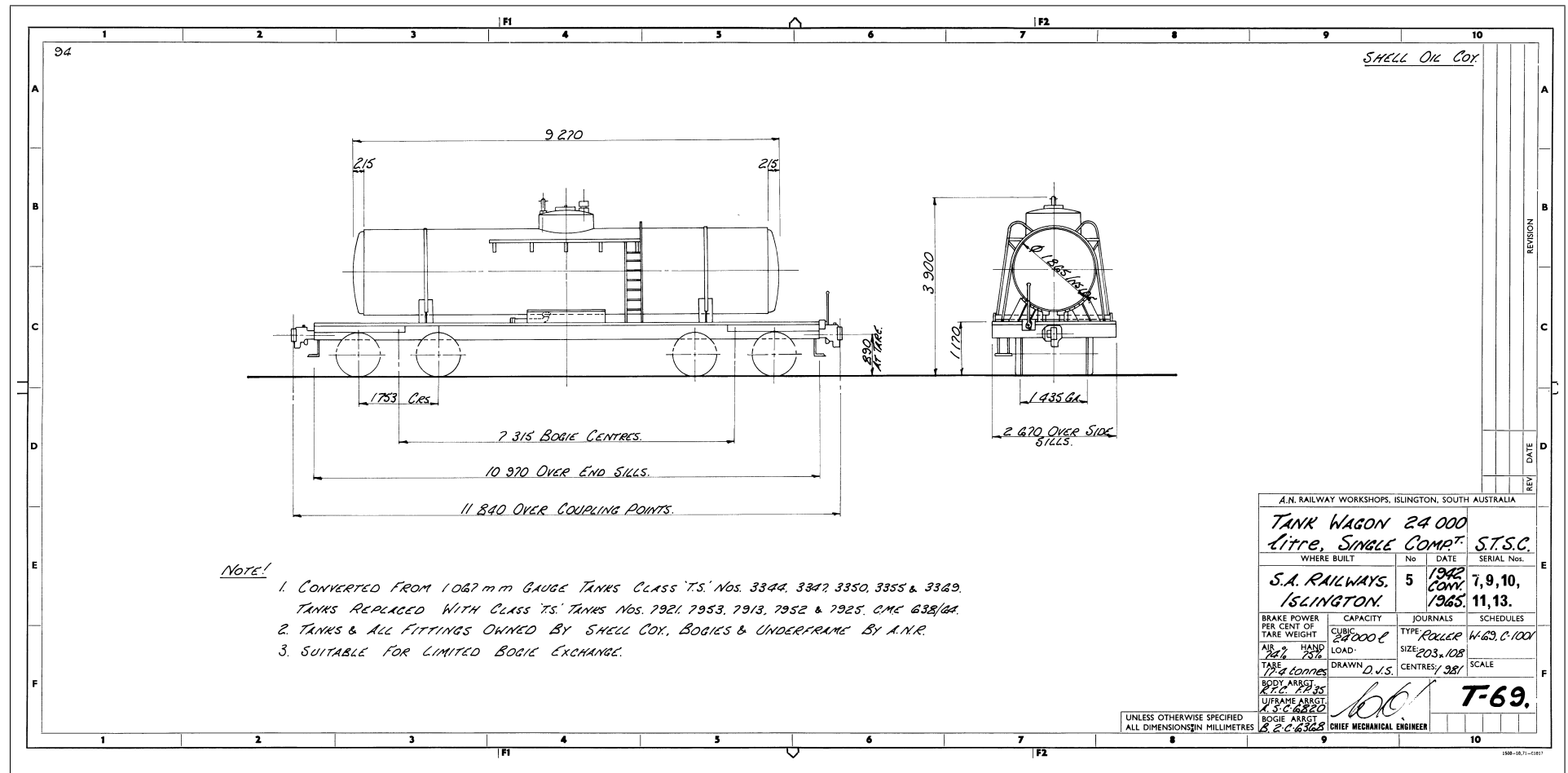
14.67 STSC 40 090L Single Compartment Tank Wagon



PlanId: T67

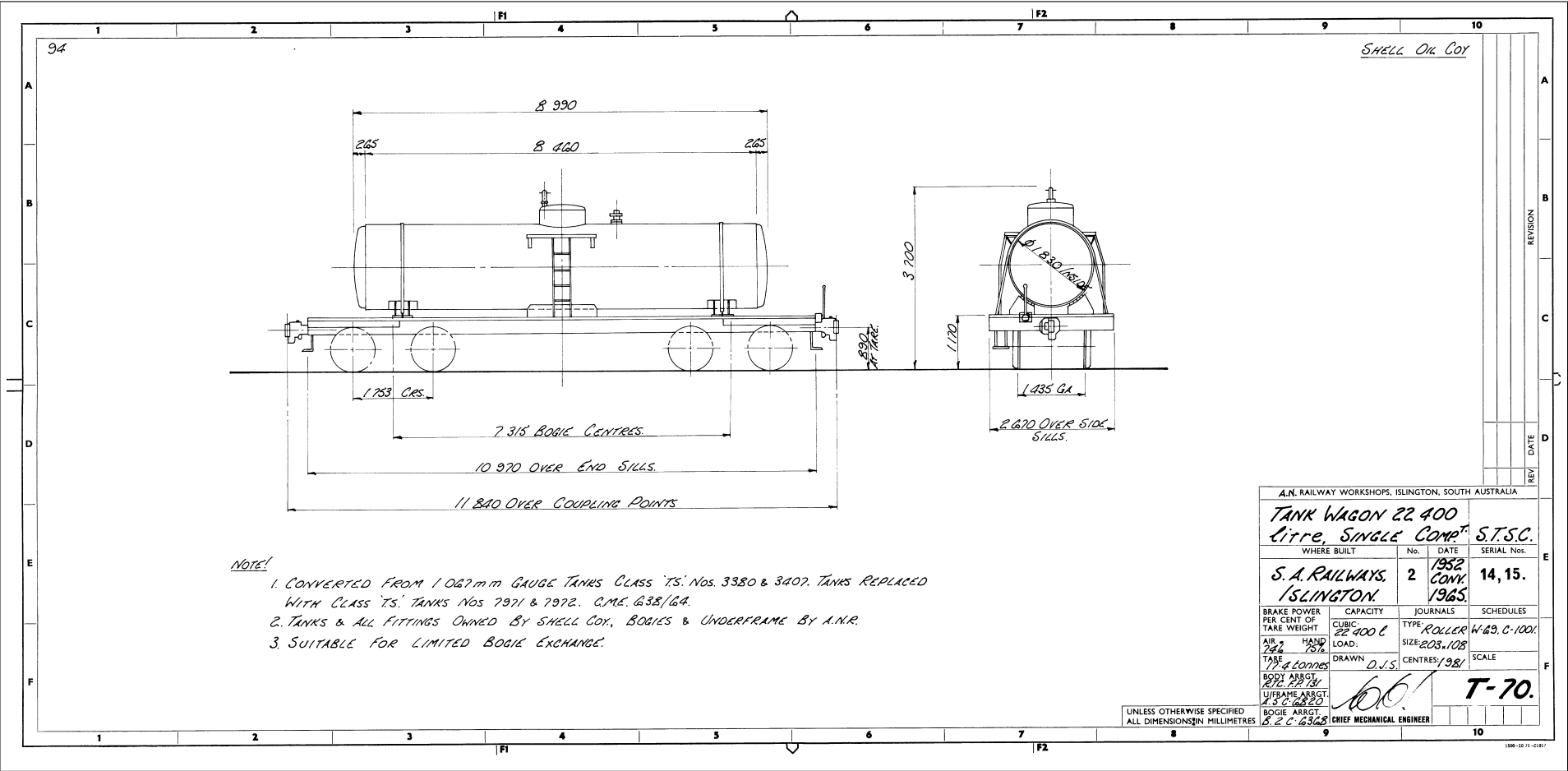


14.69 STSC 24 000L Single Compartment Tank Wagon



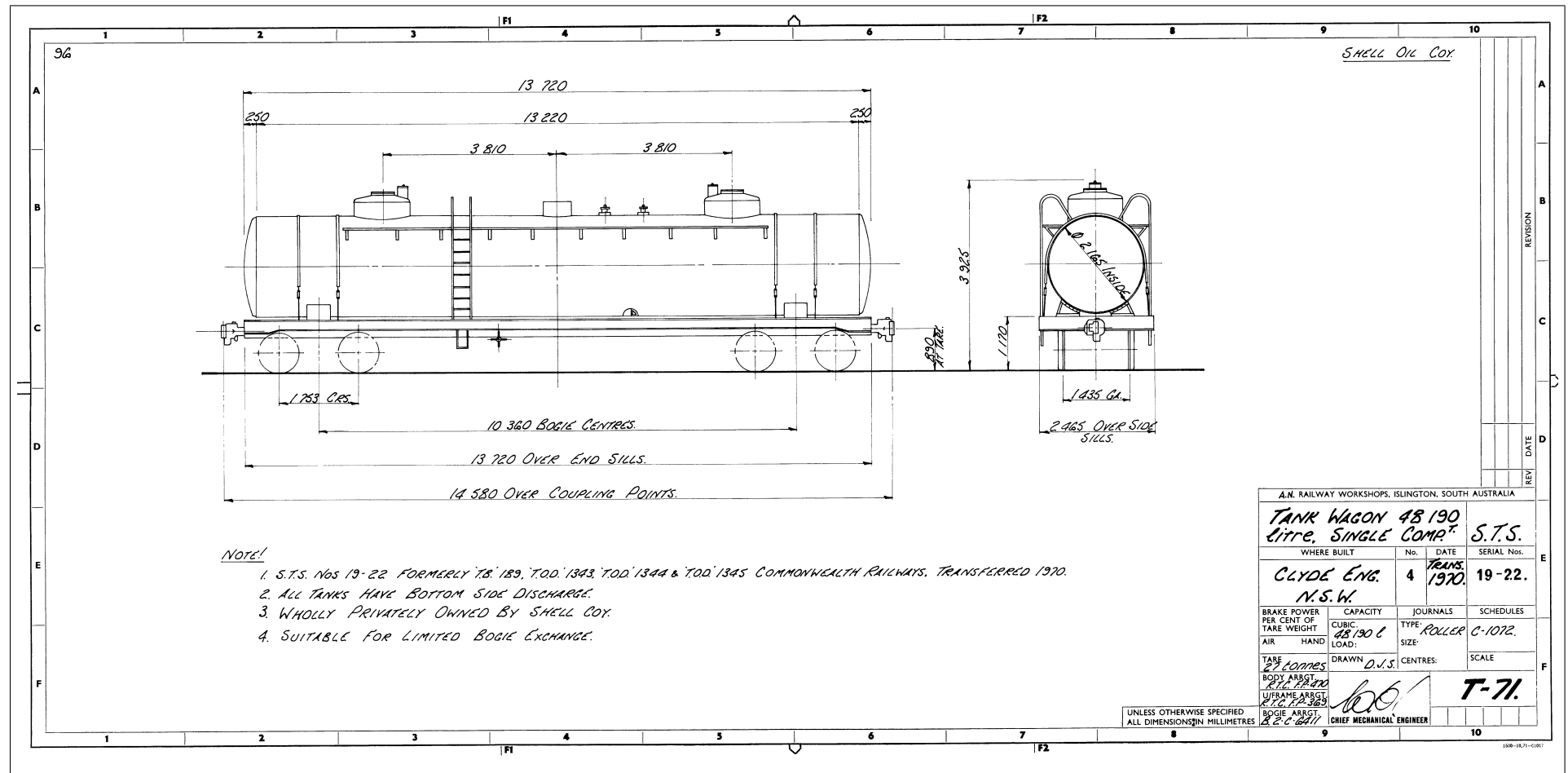
PlanId: T69

14.70 STSC 22 400L Single Compartment Tank Wagon



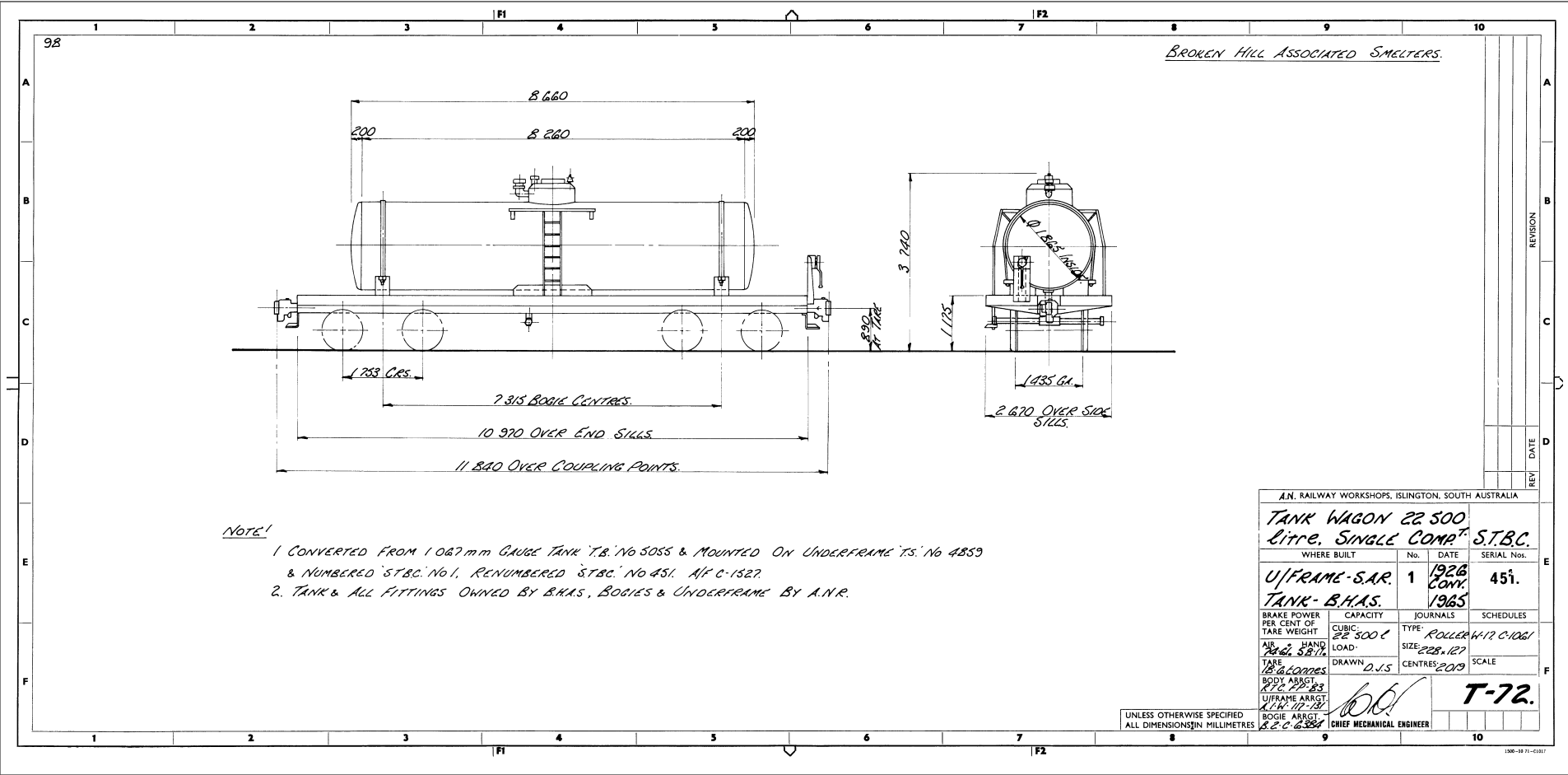
PlanId: T70

14.71 STS 48 190L Single Compartment Tank Wagon



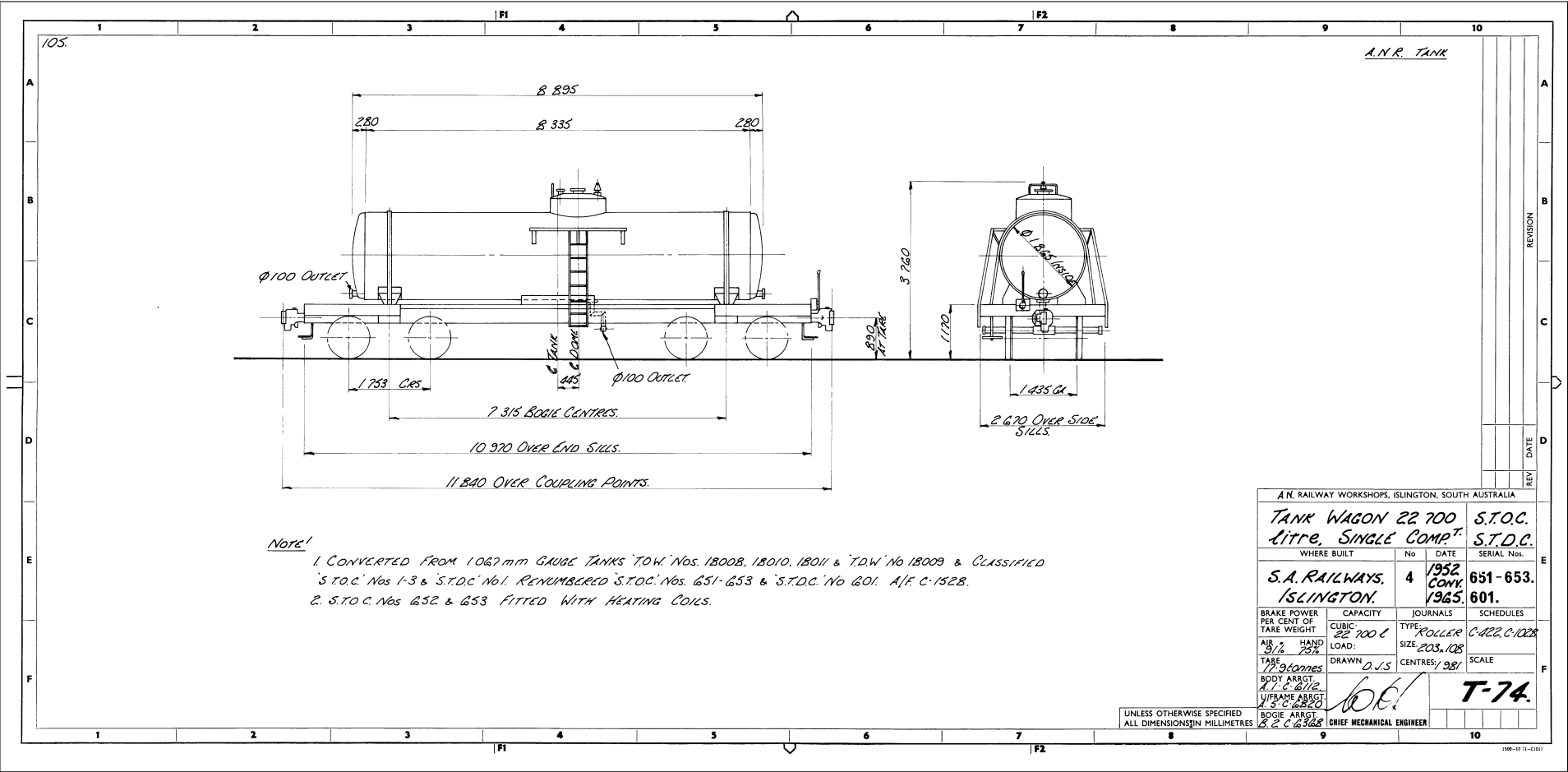
PlanId: T71

14.72 STBC 22 500L Single Compartment Tank Wagon



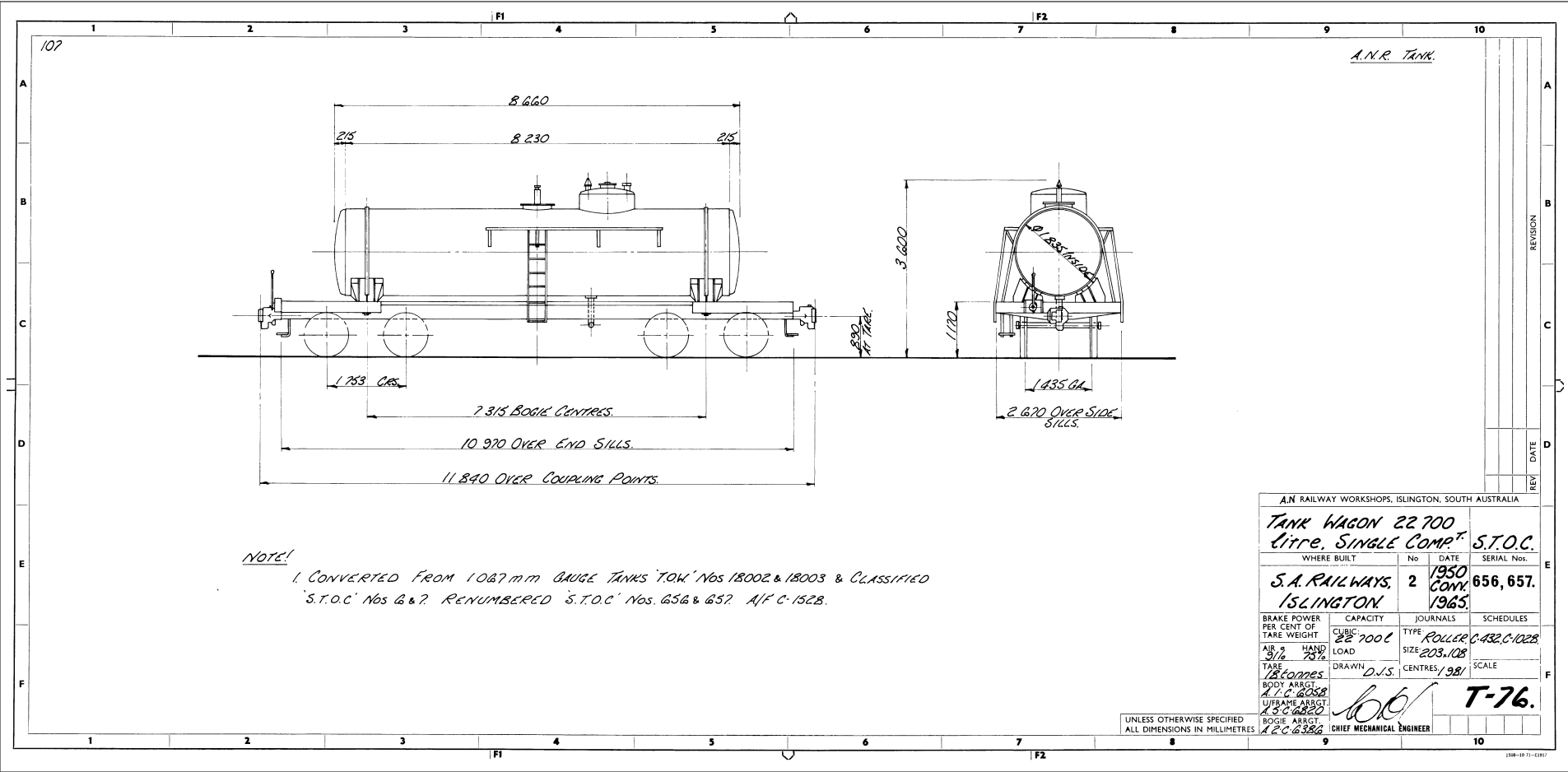
PlanId: T72

14.74 STOC STDC 22 700L Single Compartment Tank Wagon



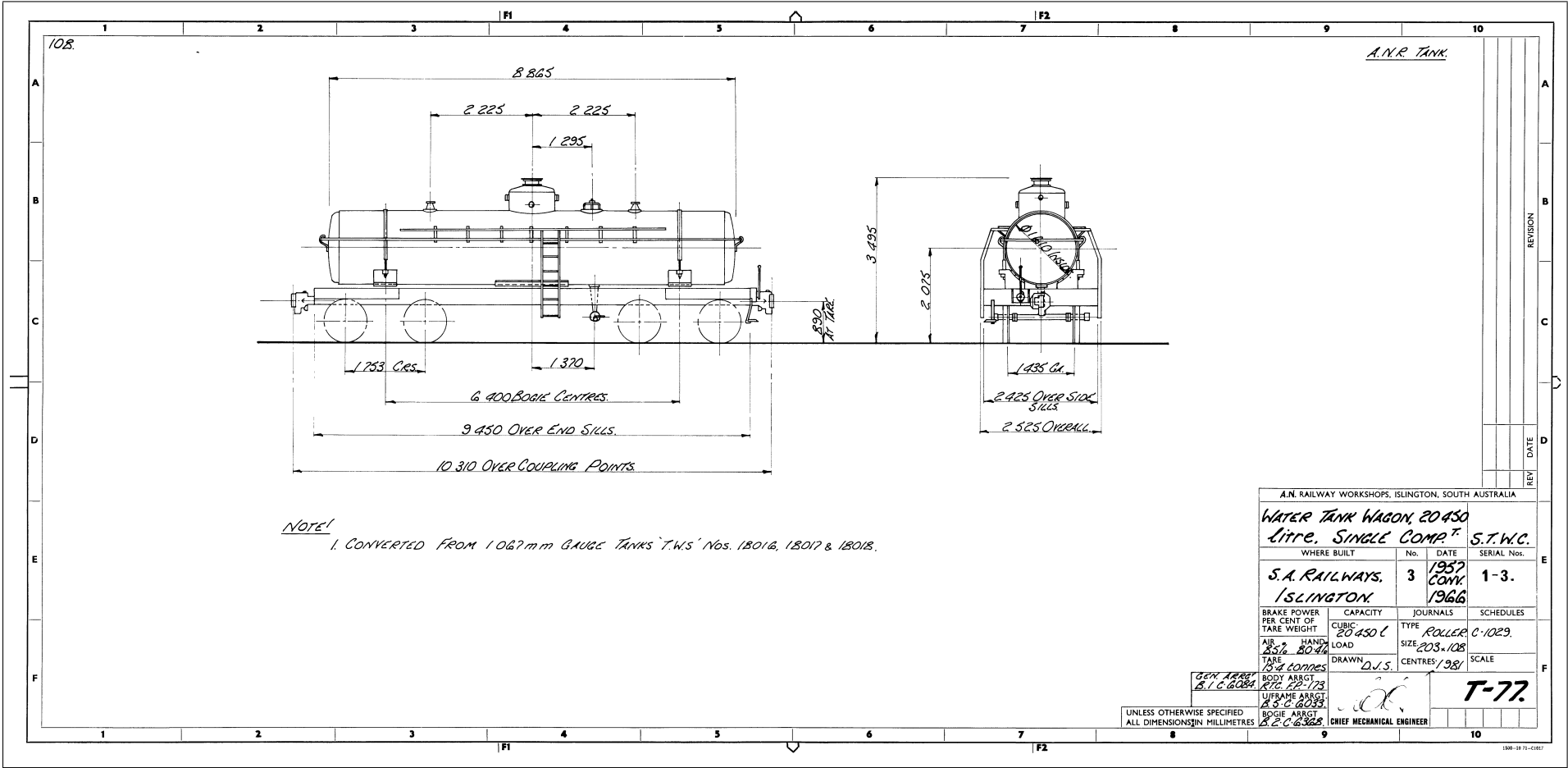
PlanId: T74

14.76 STOC 22 700L Single Compartment Tank Wagon



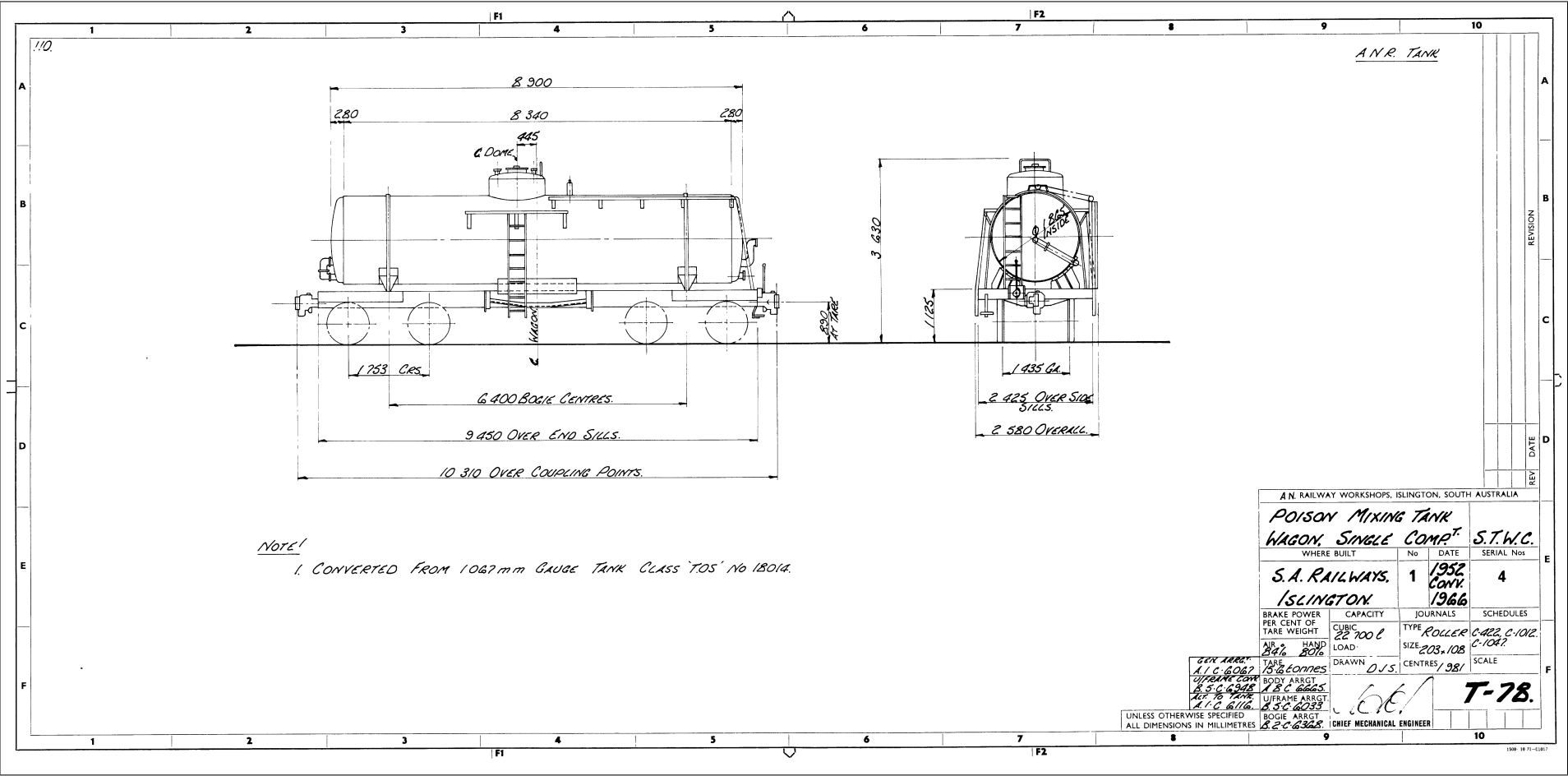
PlanId: T76

14.77 STWC 20 450L Single Compartment Water Tank Wagon



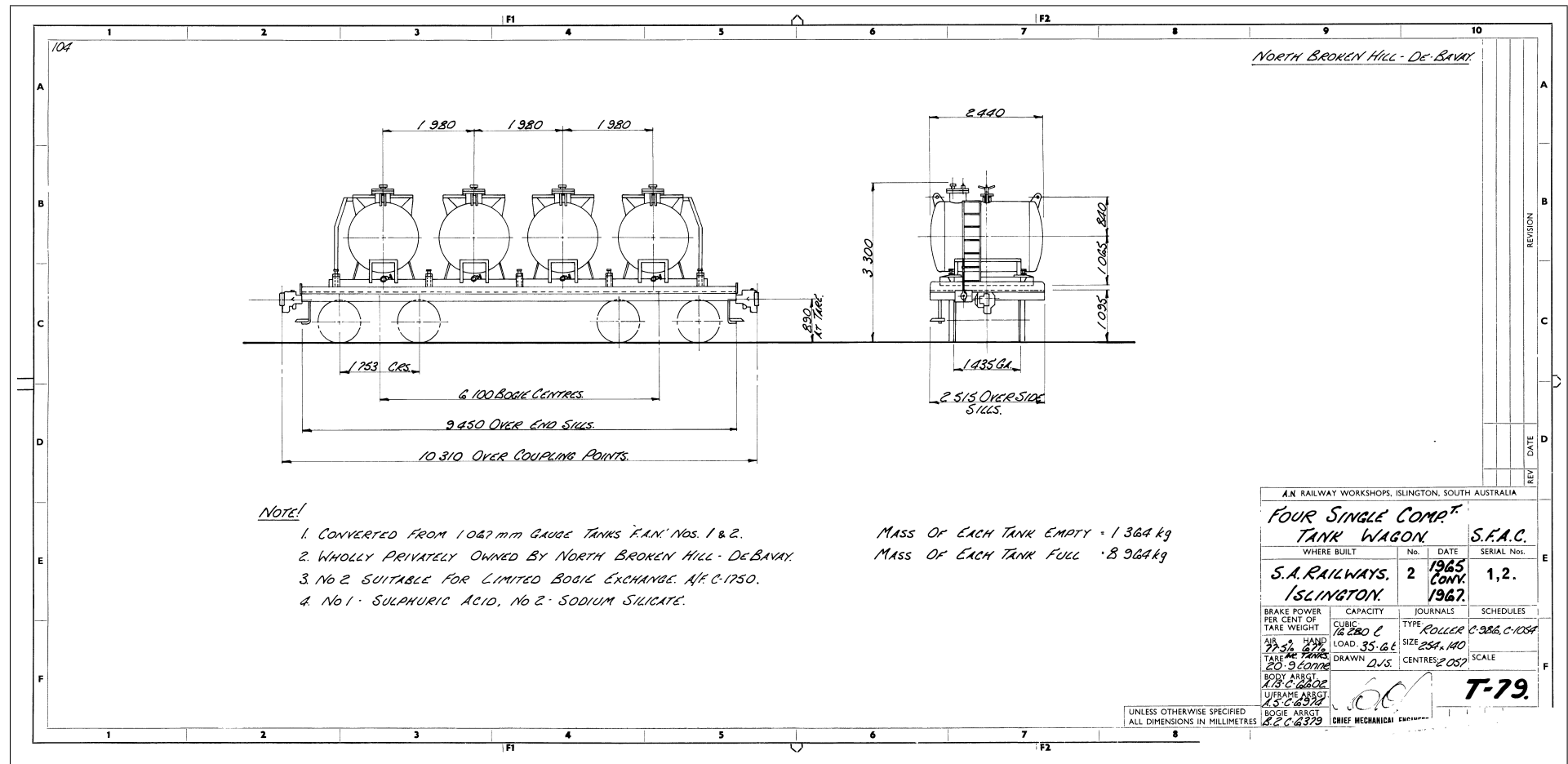
PlanId: T77

14.78 STWC Poison Mixing Tank Single Compartment



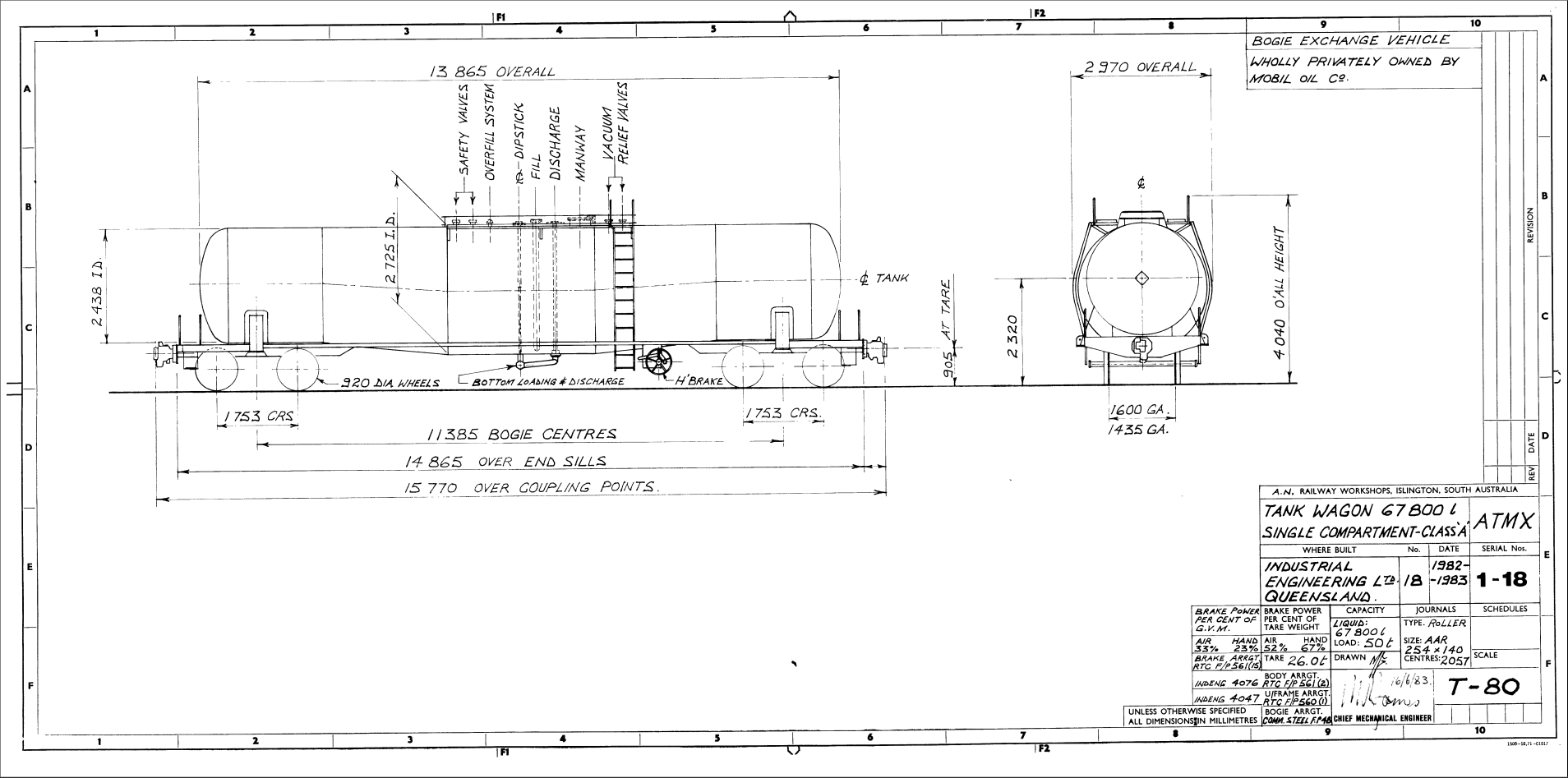
PlanId: T78

14.79 SFAC Four Single Compartment Tank Wagon



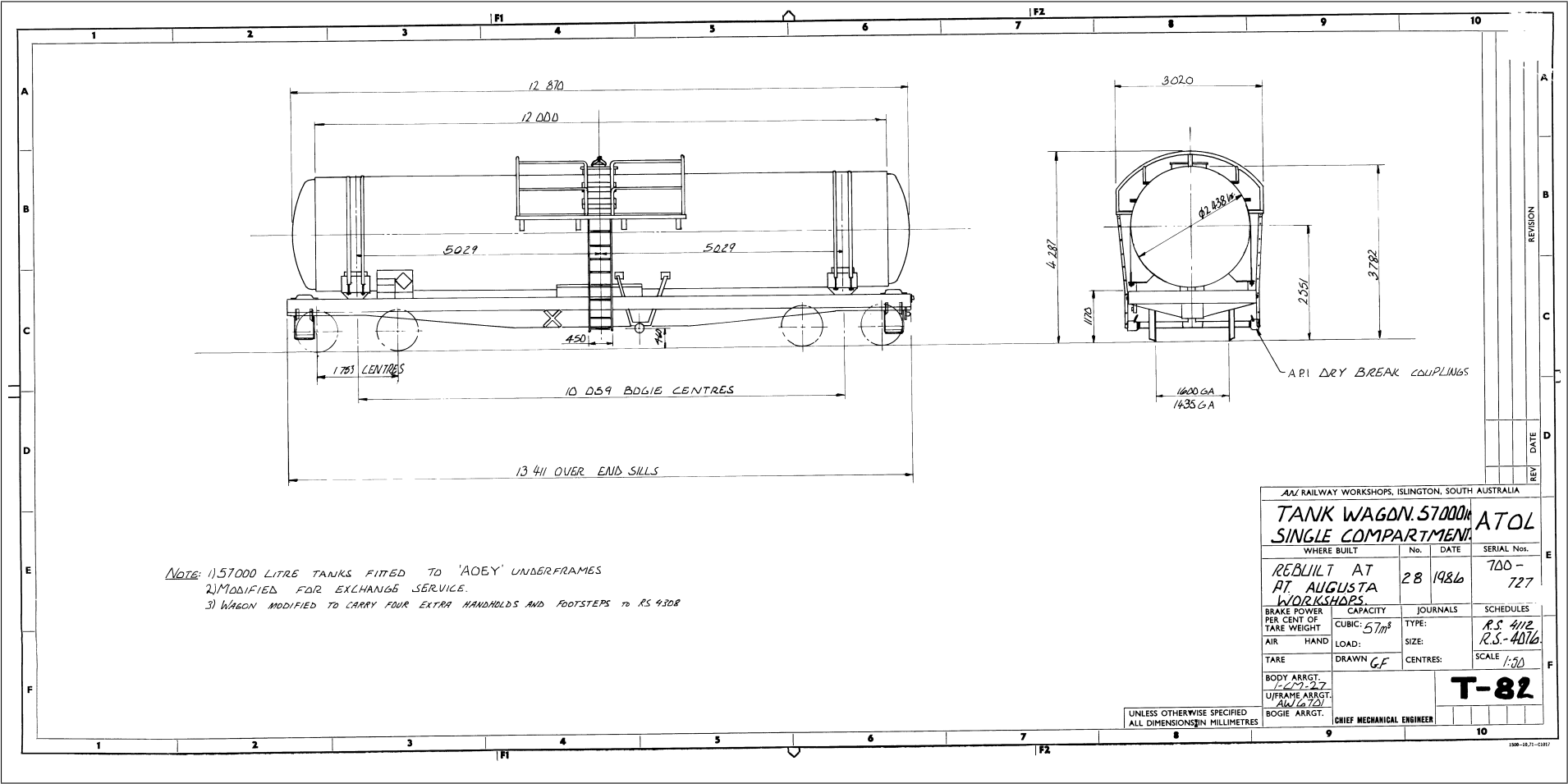
PlanId: T79

14.80 ATMX 67 800L Single Compartment Class A Tank Wagon



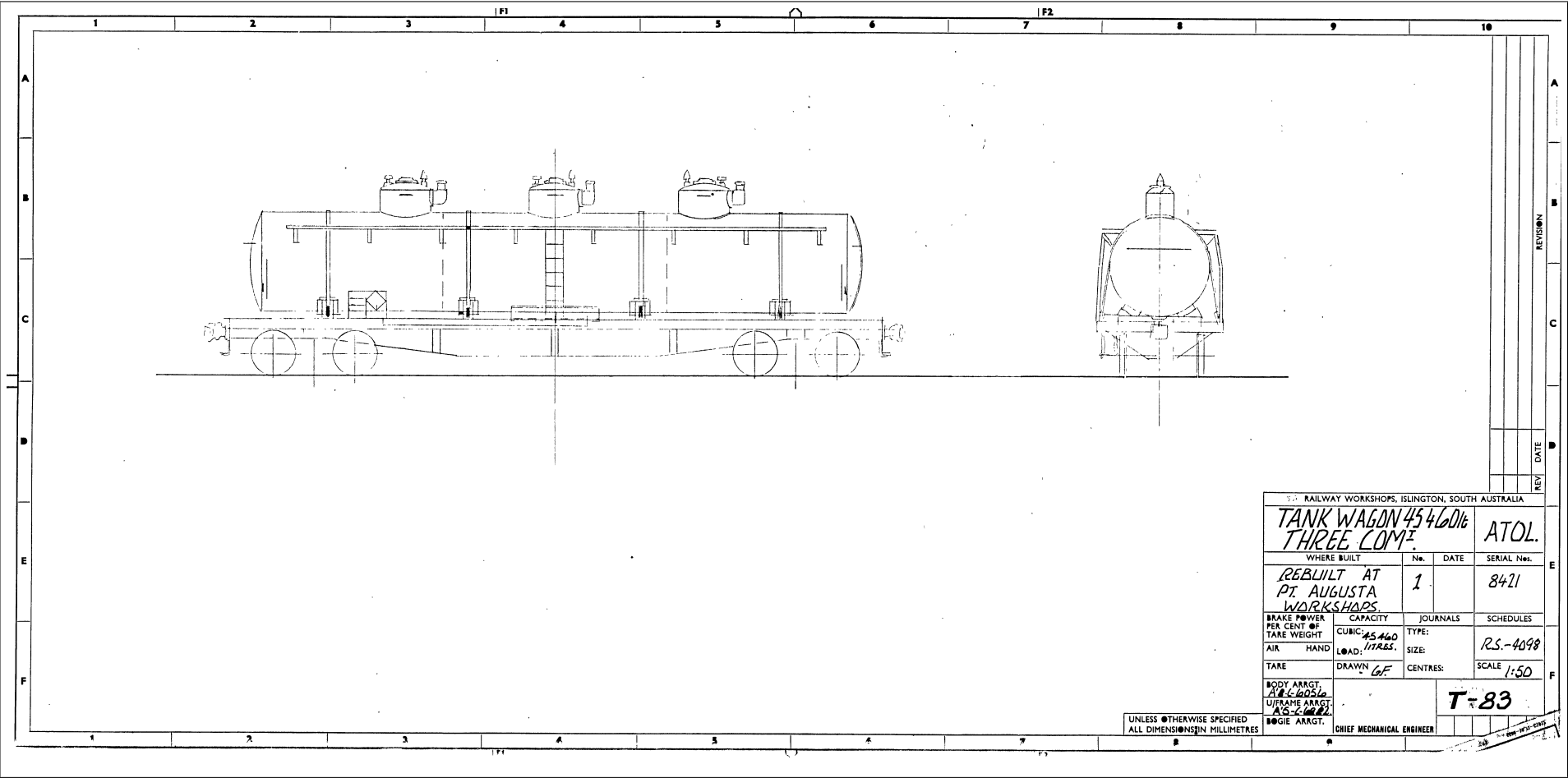
PlanId: T80

14.81 ATOL 57 000L Single Compartment Tank Wagon



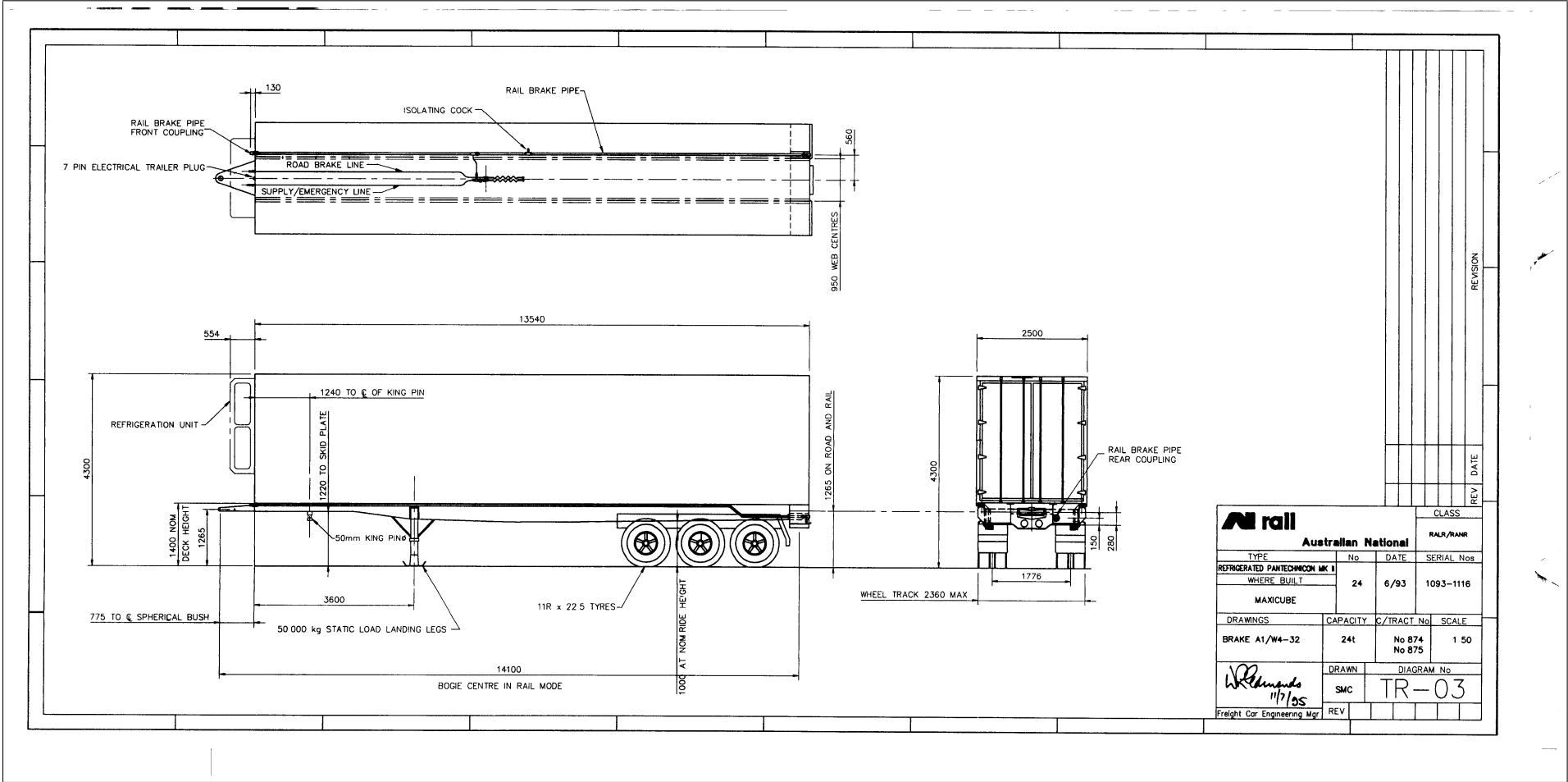
PlanId: T82

14.82 ATOL 45 460L Three Compartment Tank Wagon



PlanId: T83

15.1 RALR RANR Trailerrail Road Trailer



PlanId: TR03



NRM-DB02

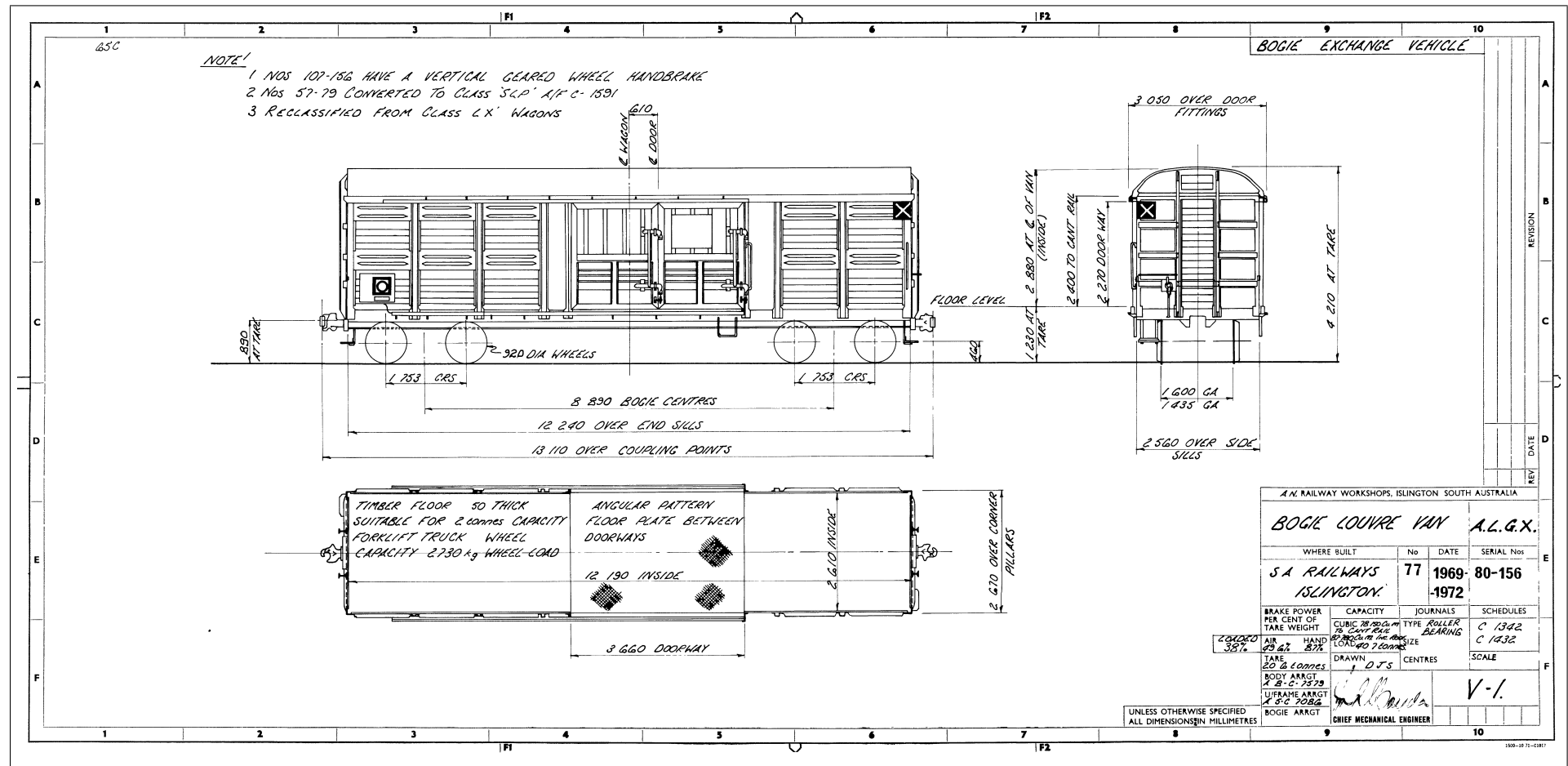
CHAPTER

16

VANS (V SERIES)

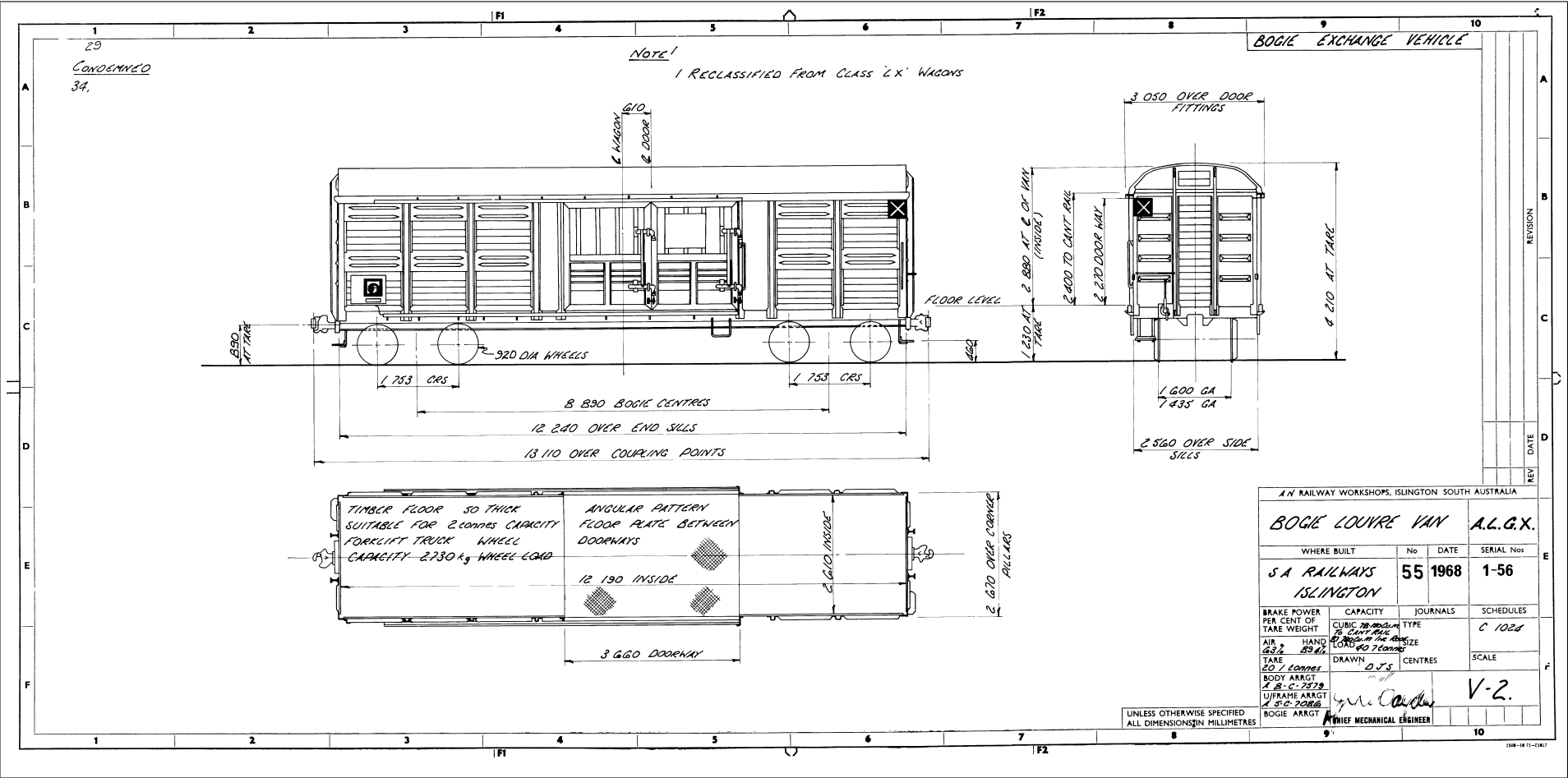
16.1	ALGX Bogie Louvre Van	341
16.2	ALGX Bogie Louvre Van	342
16.3	ARBX Bogie Insulated Van	343
16.4	ALHX Bogie Louvre Van All Door Sides	344
16.5	ALPY Bogie Louvre Van	345
16.6	ALHY Bogie Louvre Van All Door Sides	346
16.7	ALFA ALFY Bogie Louvre Van	347
16.8	ALFF Bogie Louvre Van	348
16.9	ABAA ABAF ABBA Box Car	349
16.10	ARBA ARBY ARPY Bogie Insulated Van	350
16.11	DWF 4 Wheel Louvred Car	351
16.12	DWF 4 Wheel Louvred Car	352
16.13	ALAA ALAY Bogie Louvre Van	353
16.14	ALAA ALPY Bogie Louvre Van	354
16.15	SLC Bogie Louvre Van	355
16.16	SLC Bogie Louvre Van	356
16.17	SLWC Bogie Louvre Van	357

16.1 ALGX Bogie Louvre Van



PlanId: V01

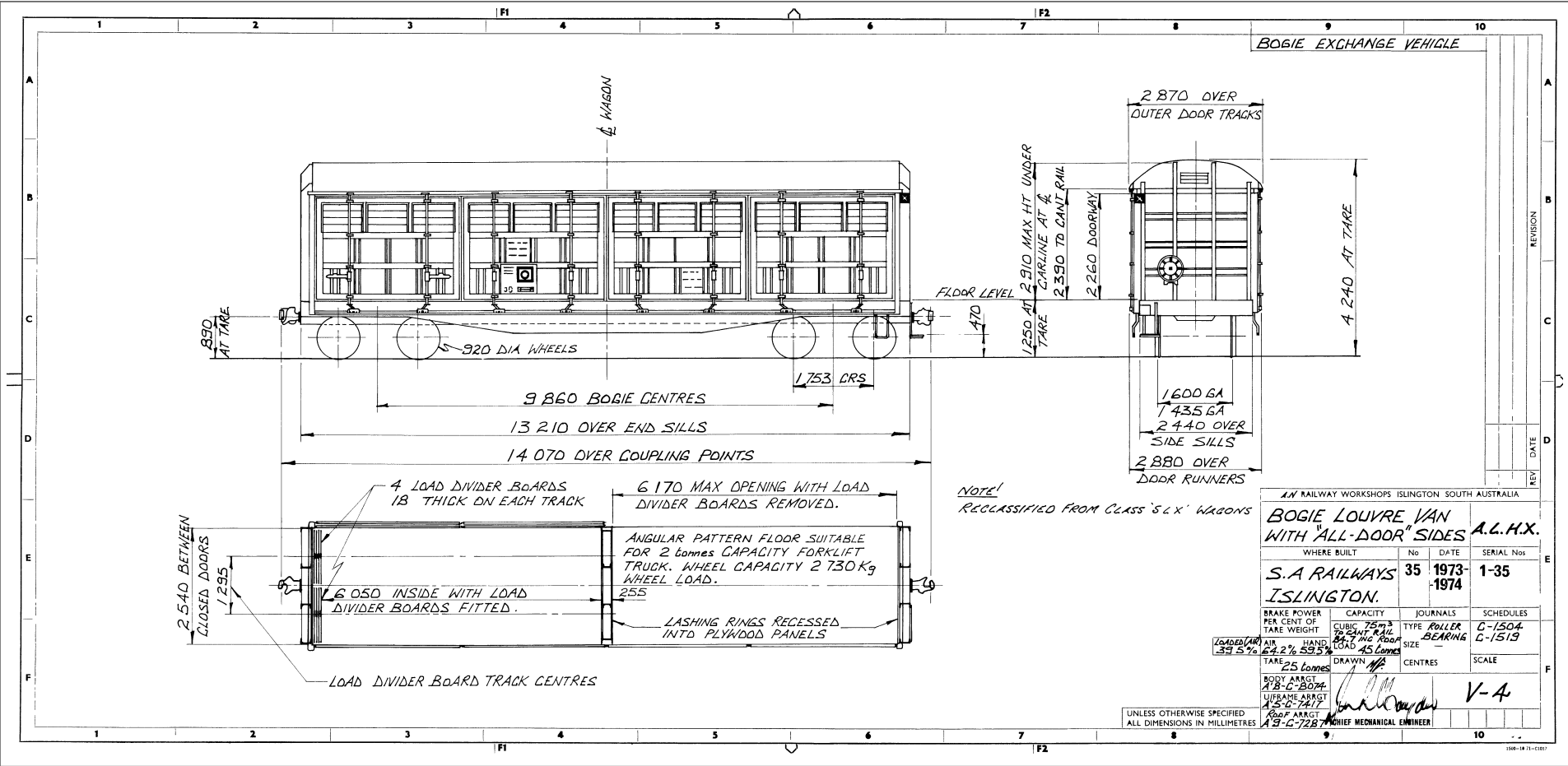
16.2 ALGX Bogie Louvre Van



PlanId: V02

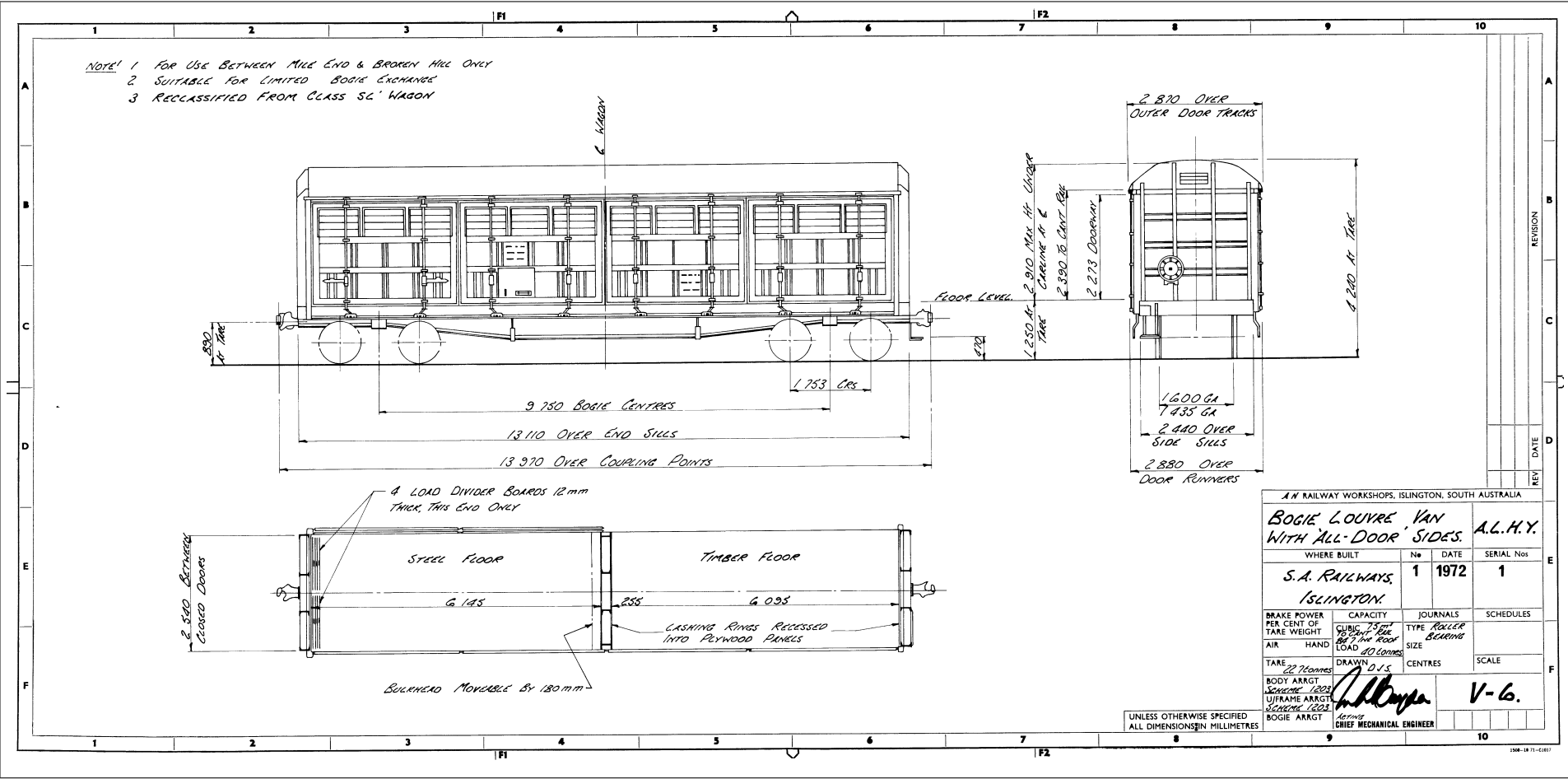


16.4 ALHX Bogie Louvre Van All Door Sides



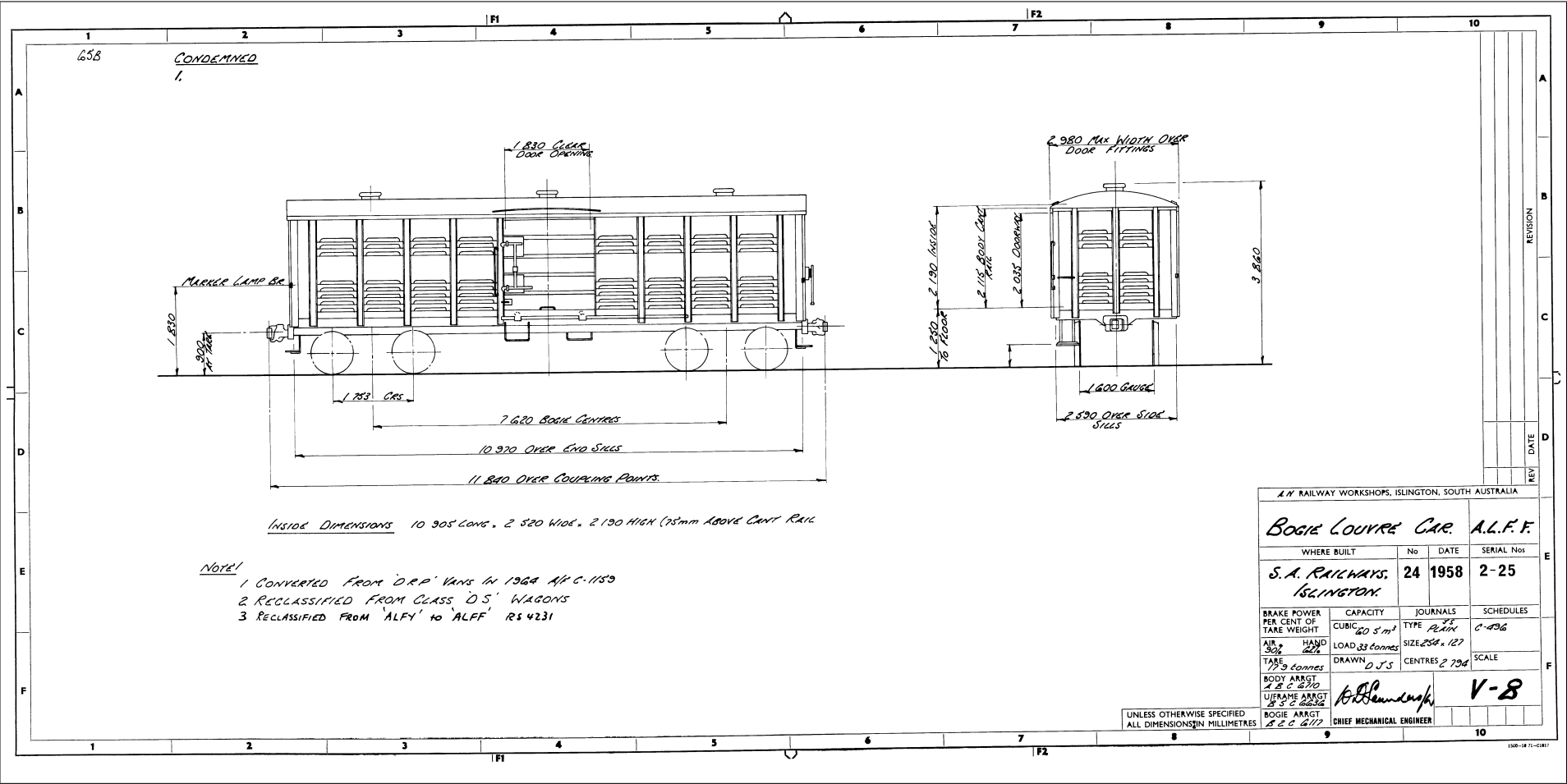
PlanId: V04

16.6 ALHY Bogie Louvre Van All Door Sides



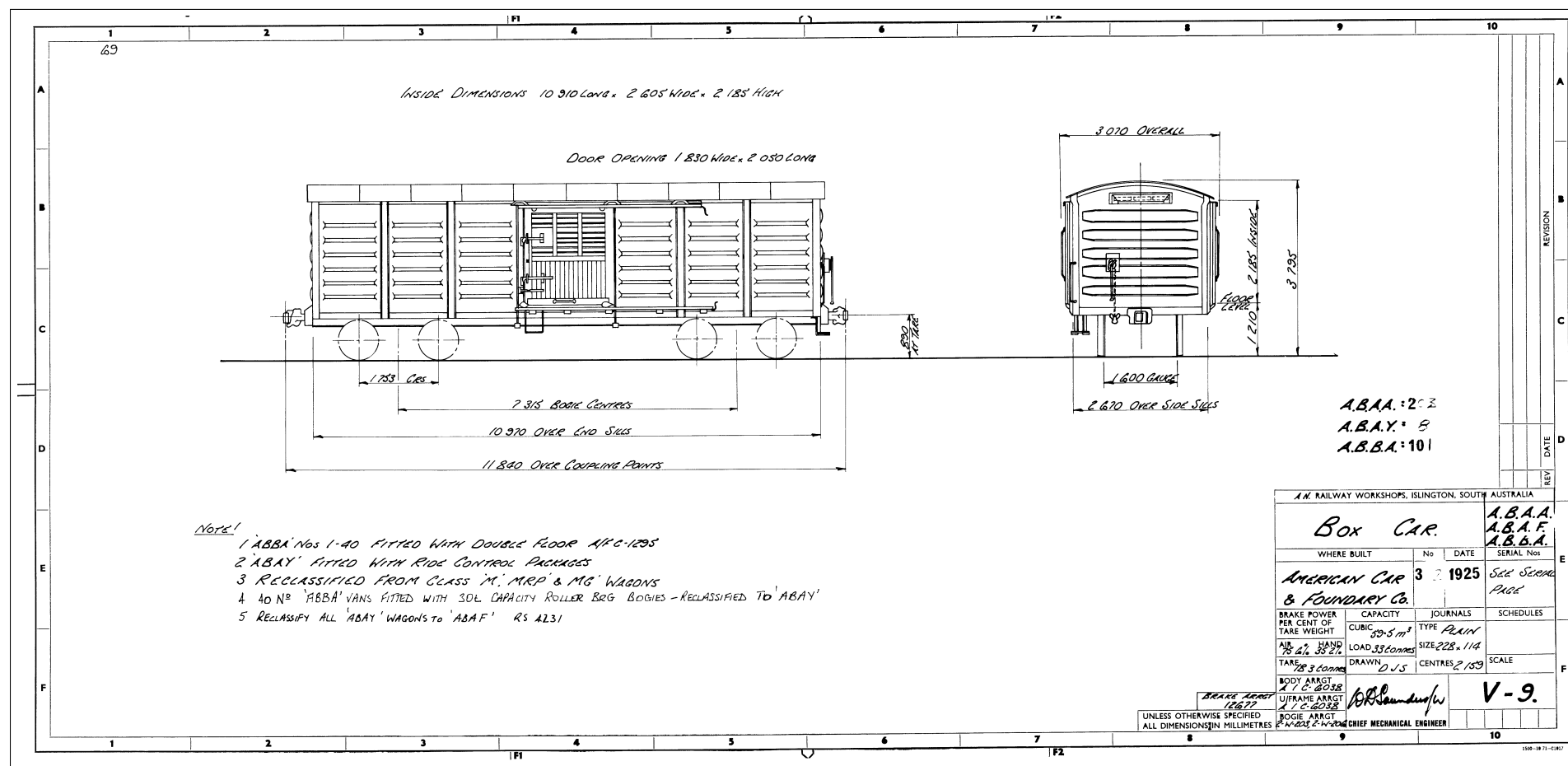
PlanId: V06

16.8 ALFF Bogie Louvre Van



PlanId: V08

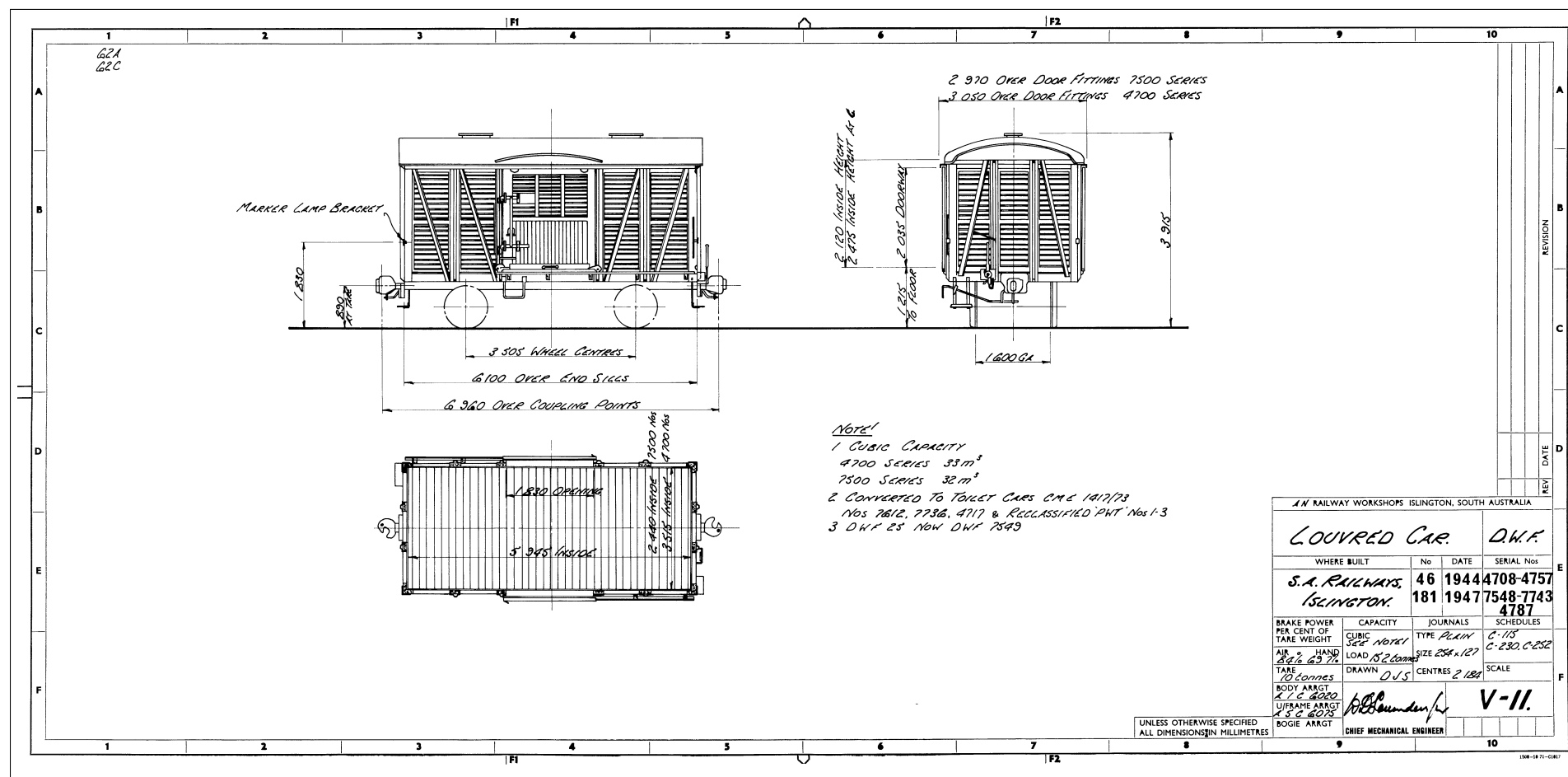
16.9 ABAA ABAF ABBA Box Car



PlanId: V09



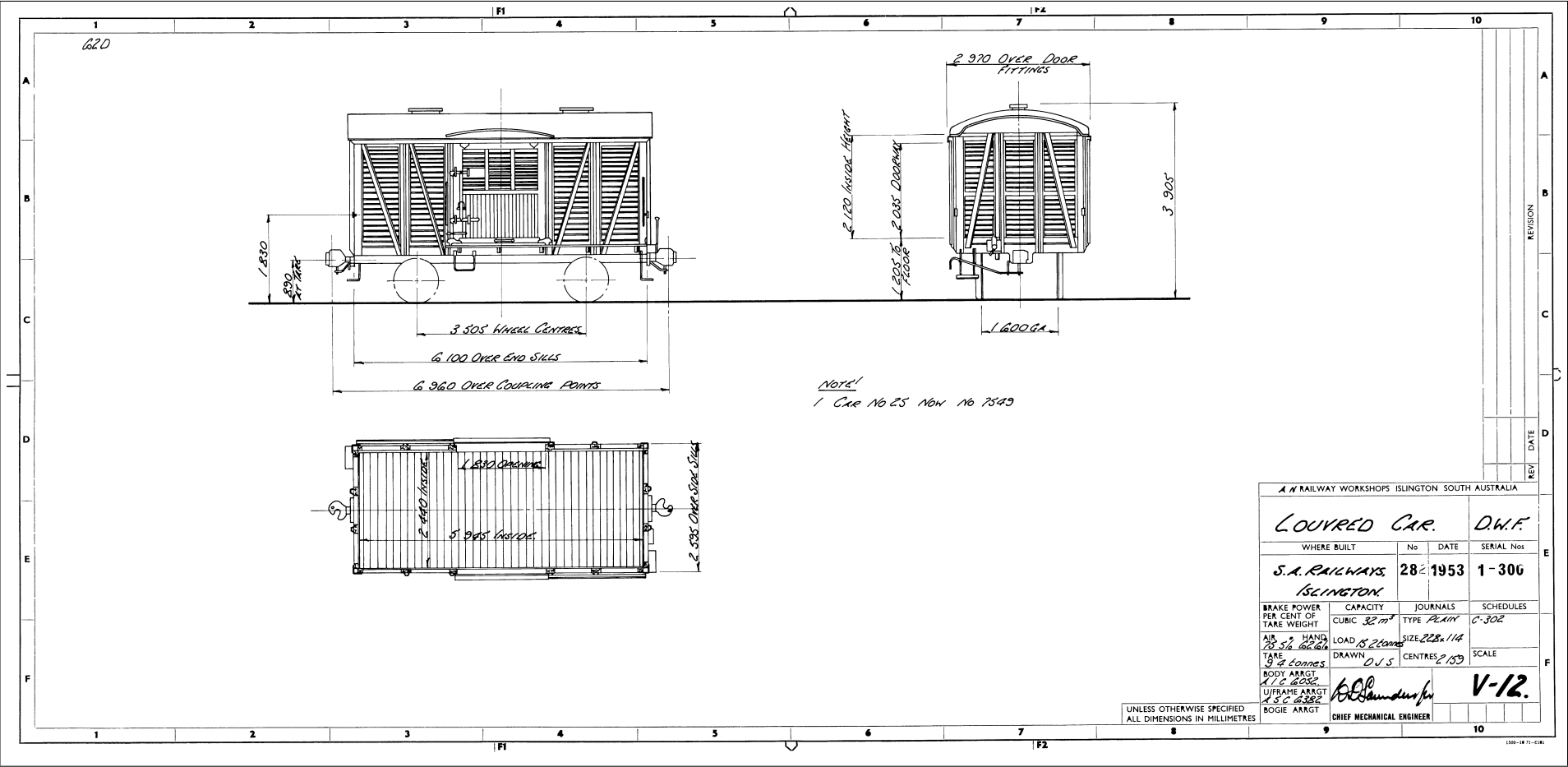
16.11 DWF 4 Wheel Louvred Car



PlanId: V11

DWF class

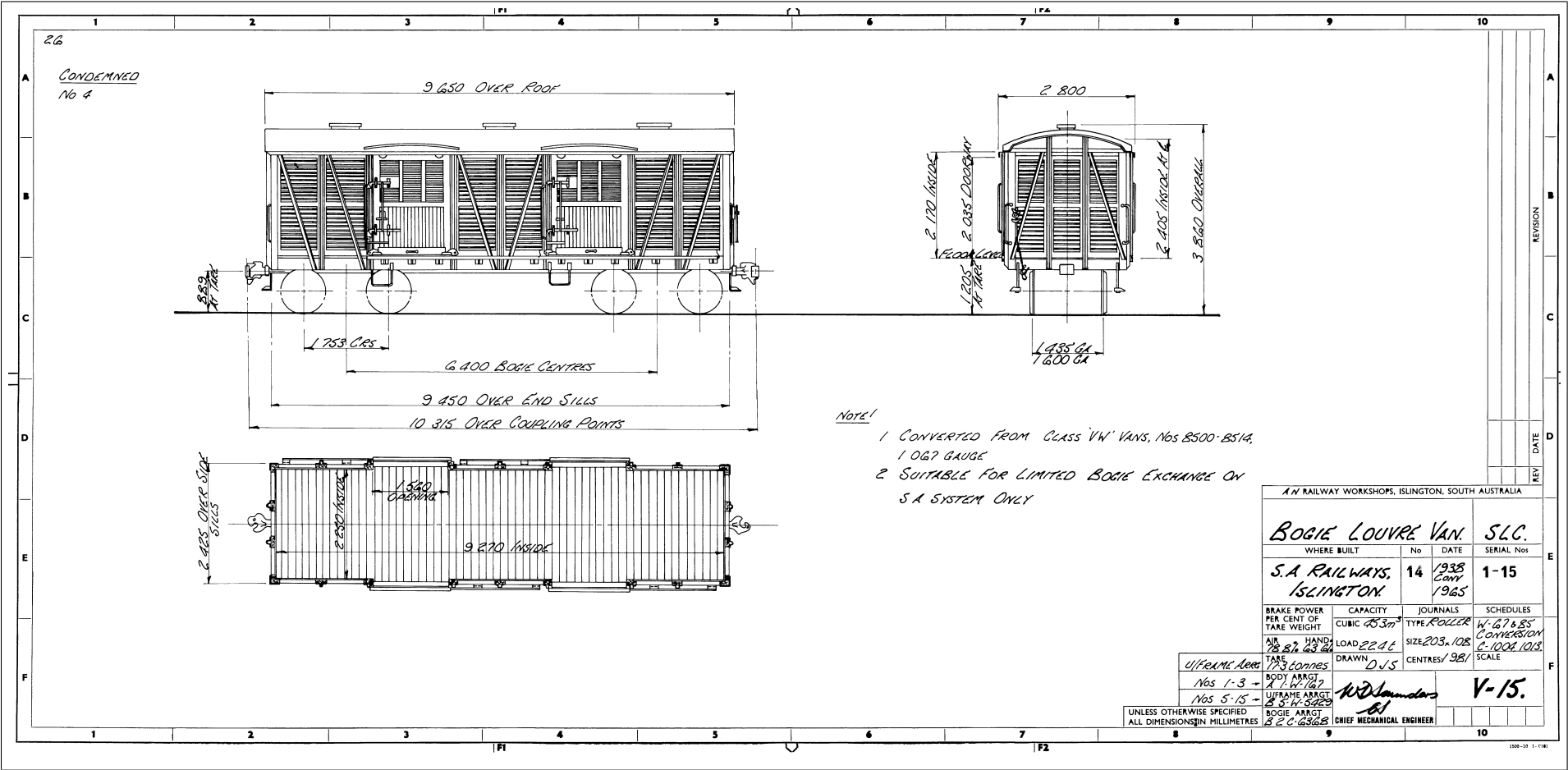
16.12 DWF 4 Wheel Louvred Car



PlanId: V12

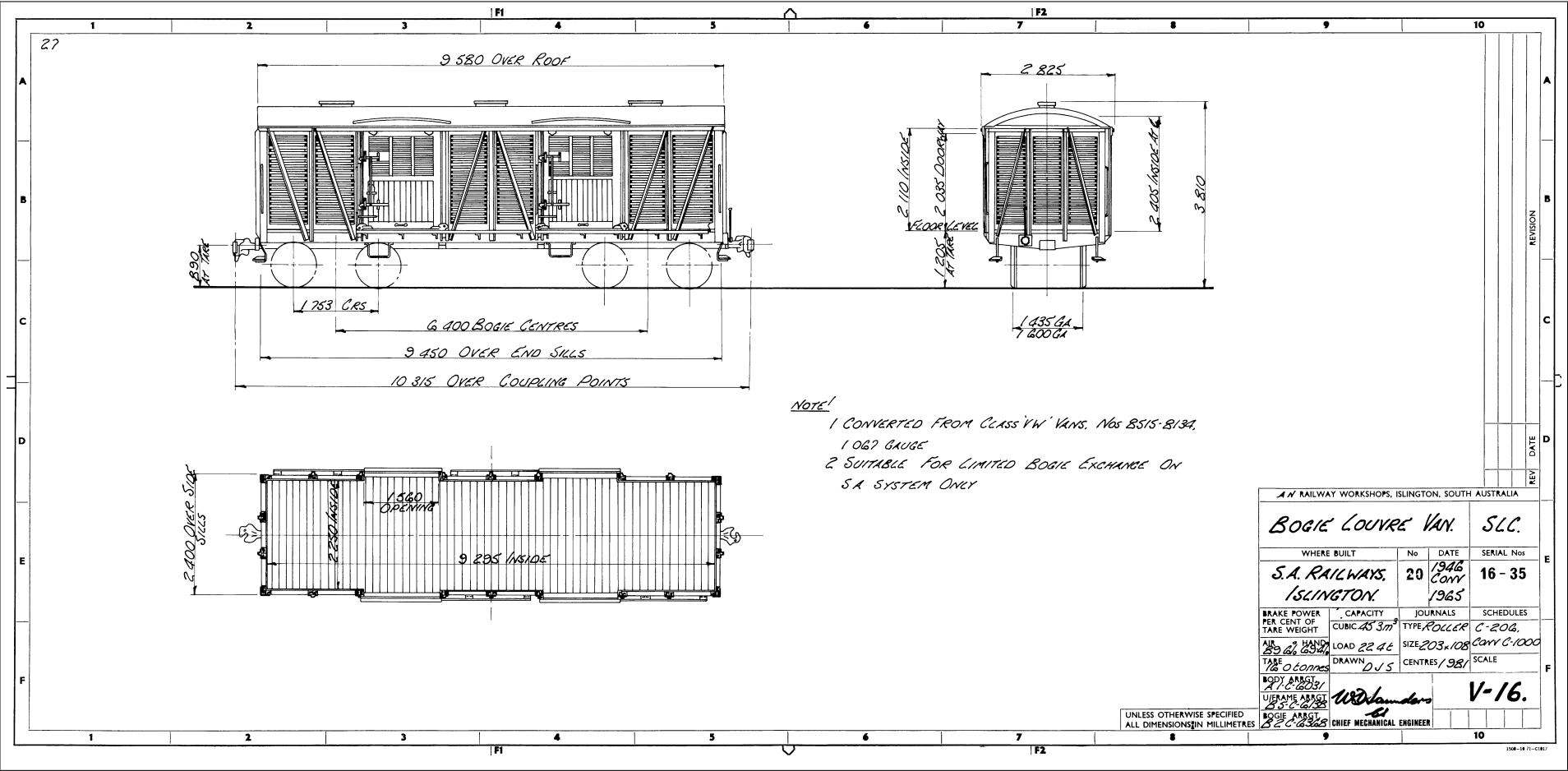


16.15 SLC Bogie Louvre Van



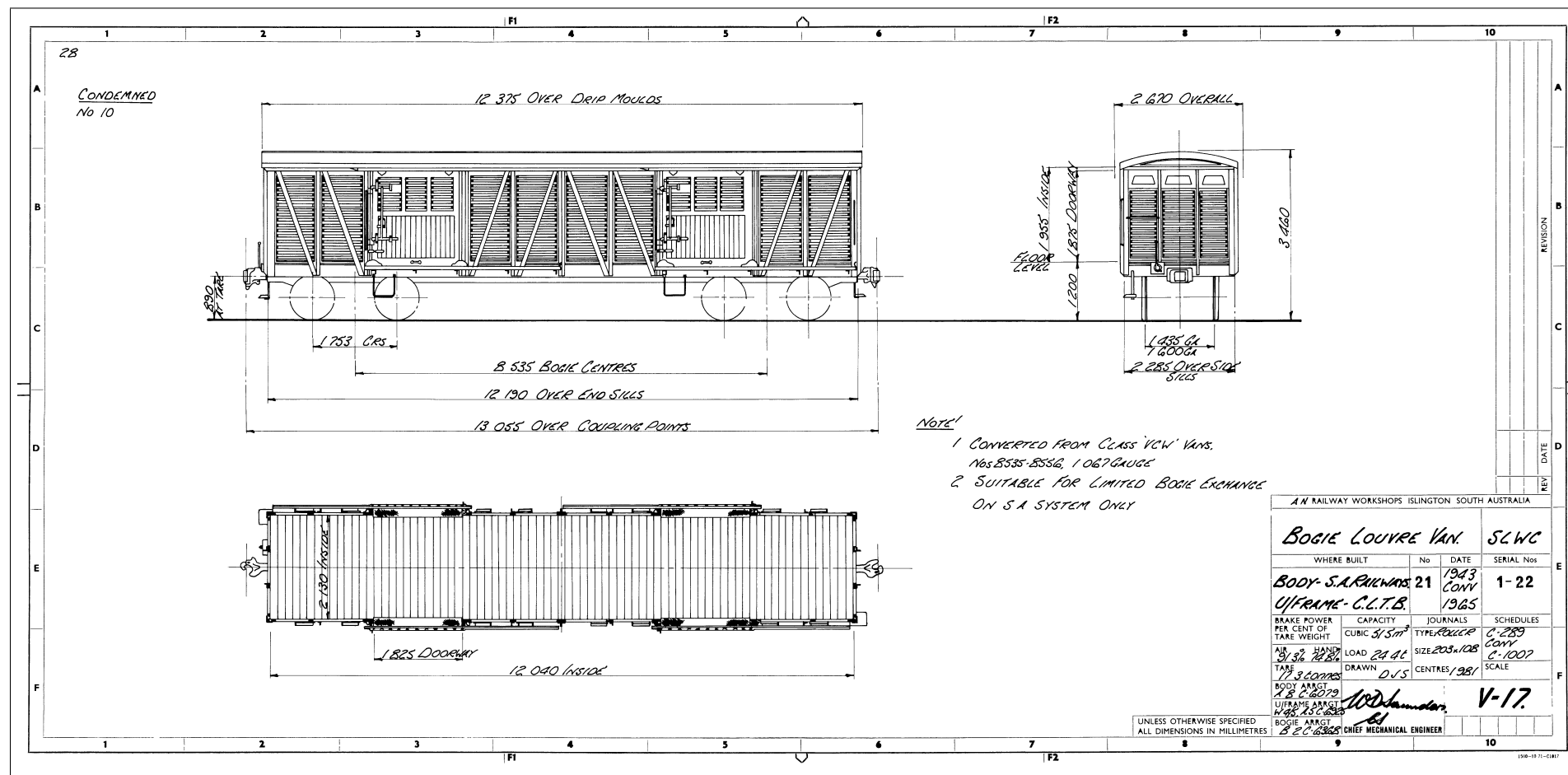
PlanId: V15

16.16 SLC Bogie Louvre Van



PlanId: V16

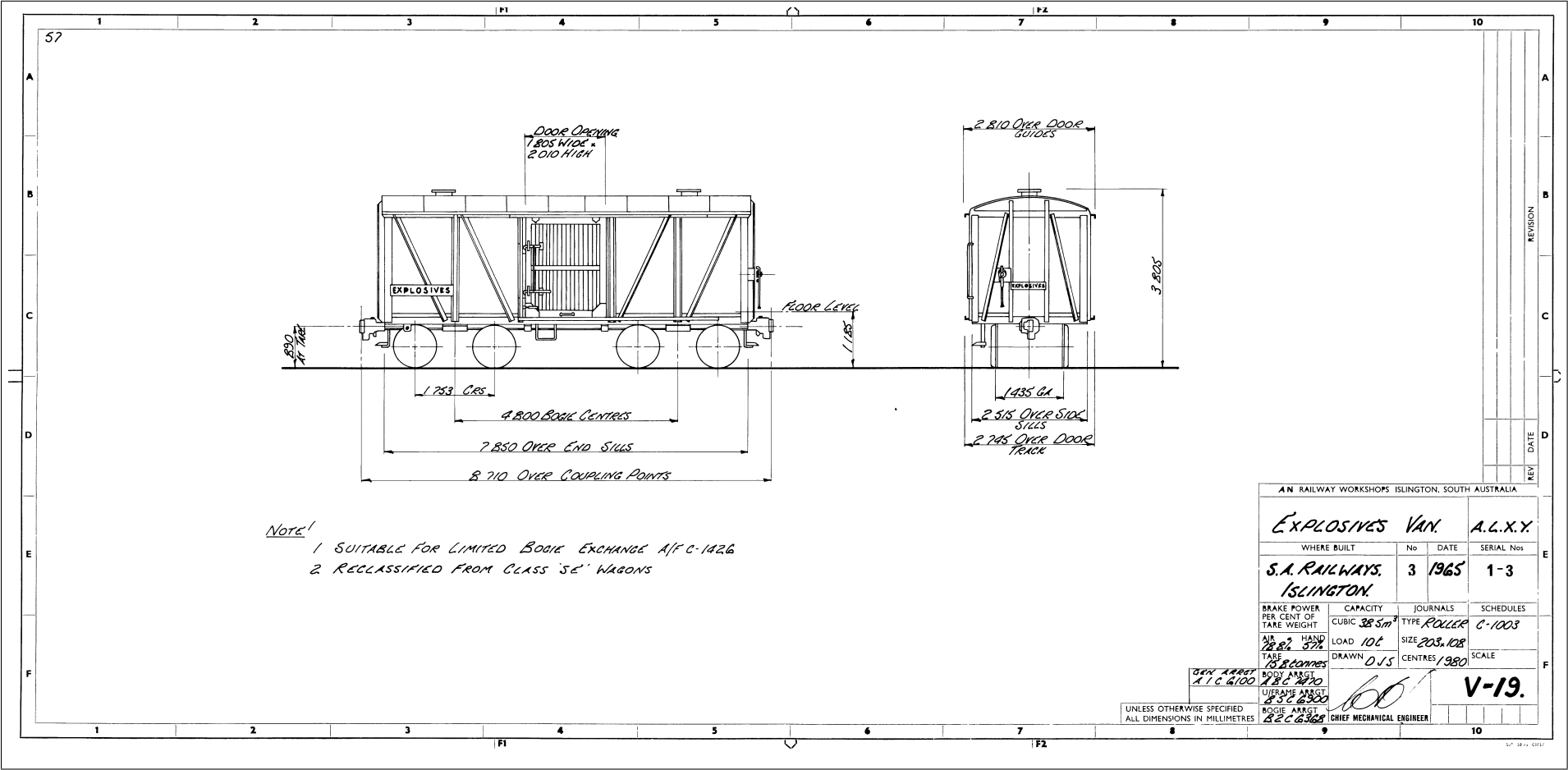
16.17 SLWC Bogie Louvre Van



PlanId: V17

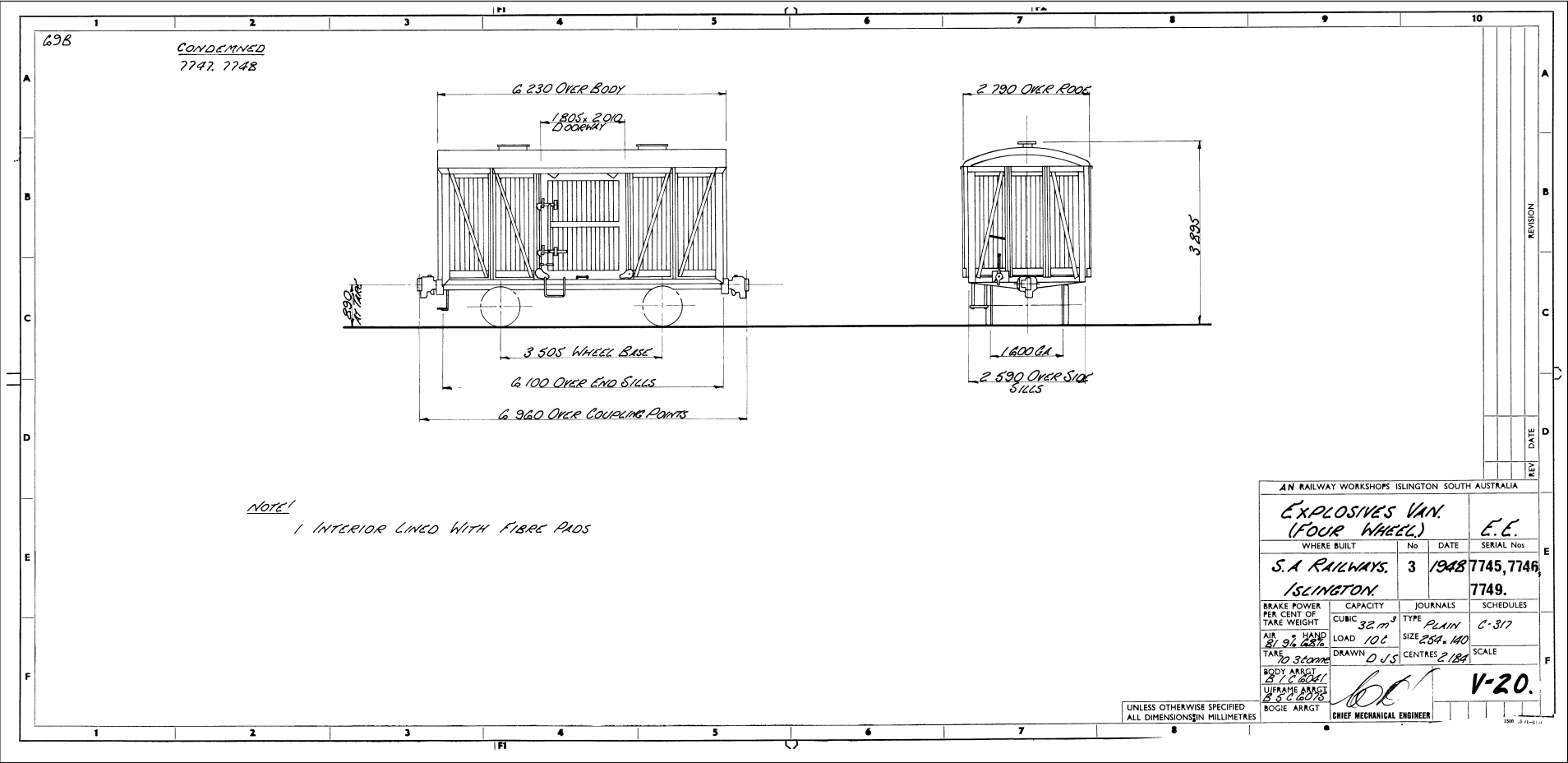


16.19 ALXY Explosives Van



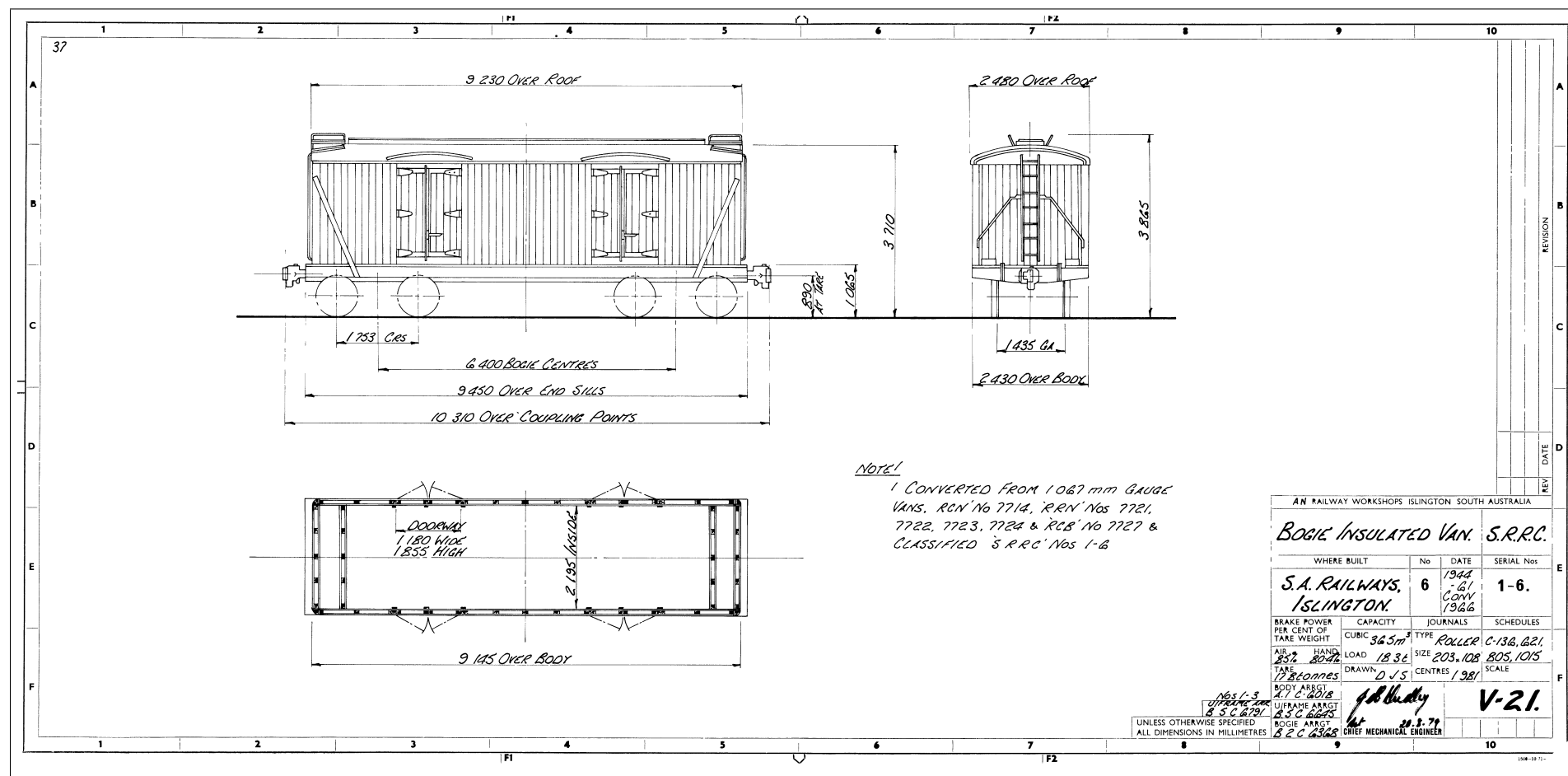
PlanId: V19

16.20 EE 4 Wheel Explosives Van



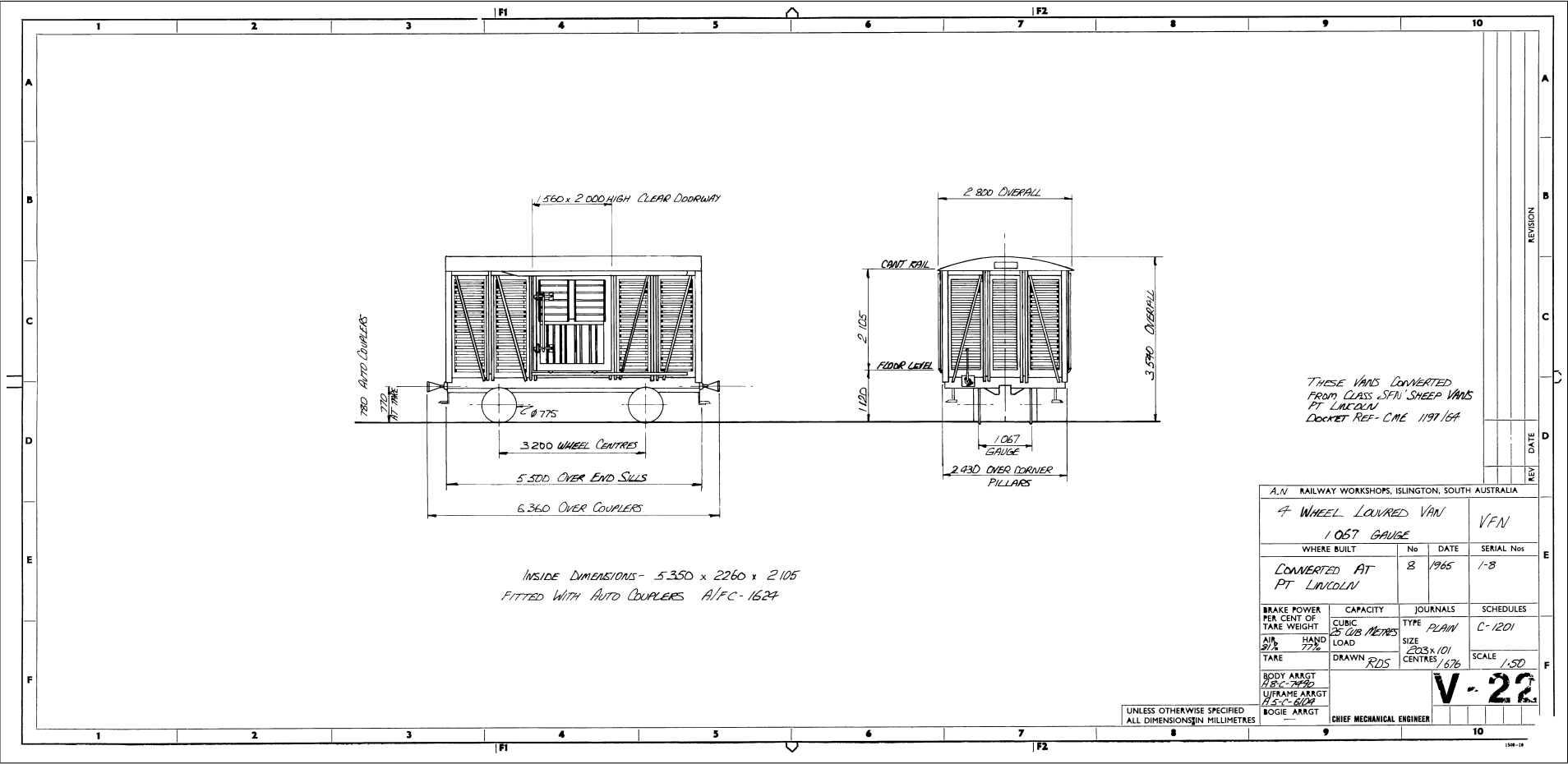
PlanId: V20

16.21 SRRC Bogie Insulated Van



PlanId: V21

16.22 VFN 4 Wheel Louvred van NG



PlanId: V22

INDEX

100 class, 219
2-Pack, 97, 98, 104–106
2100 class Freight Tray, 28
250 class, 217
280 class, 218
3-Pack, 107–110
350 class, 165
5-Pack, 96, 101–103, 111, 114
500 class, 166, 206
600 class, 167, 207
700 class, 168, 203
75 class railcar, 34
750 class, 204
780 class, 205
800 class, 169
830 class, 170, 174
8300 class brake, 18–20
900 class, 171
930 class, 172, 173

A series, 1
ABAA class, 349
ABAF class, 349
ABBA class, 349
ACAA class, 237
ACAF class, 237
ACC class, 209
Accident train
 Accident van, 53, 58–60
 Breakdown car, 50
 Breakdown crane, 187, 188
 SFWM class, 51
 Wreckmaster, 51
ACFA class, 241
ACFF class, 241

ACGF class, 242
AD class, 202
ADWA class, 123
AEC class, 210
AFBA class, 82, 83
AFBF class, 82
AFBY class, 83
AFC class, 214
AFCX class, 71, 72
AFDX class, 72, 73
AFFA class, 82, 84
AFHA class, 85
AFIY class, 92
AFKX class, 76, 77
AFMX class, 72, 74
AFSY class, 91
AFTA class, 83
AFTF class, 82
AFWY class, 117
AG class, 212
AHAY class, 148
AHBF class, 147
AHCL class, 146
AHDL class, 160, 161
AHGX class, 141
AHHH class, 155
AHSF class, 150
AHWY class, 143, 144
AJ class, 198
AKAX class, 106
AKDX class, 105
AKEX class, 93
AKLF class, 104
AKMX class, 99, 100
AKSY class, 107–110

AKYY class, 111
AL class, 178
ALAA class, 353, 354
ALAY class, 353
ALF class, 179
ALFA class, 347
ALFF class, 348
ALFY class, 347
ALGX class, 341, 342
ALHX class, 344
ALHY class, 346
Allambi, 191
ALPY class, 345, 354
ALXY class, 359
AMAX class, 5
AMBP class, 7
AMBX class, 6, 7
AMDY class, 11
AMGF class, 10
AMKF class, 9
AMMX class, 4
AMOP class, 8
AMOX class, 3
AN class, 183
AOB class, 213
AOBX class, 119
AOCX class, 118
AOFX class, 120
AOGA class, 125
AOGF class, 125
AOQF class, 130
AOQY class, 129
AOWA class, 134
AOWL class, 123
AOXA class, 124
AOXF class, 124
AOXX class, 117, 124
APAX class, 145
APCX class, 142
APCY class, 149

AQAX class, 81
AQBX class, 80
AQCF class, 78, 79
AQCX class, 78, 79
AQDW class, 75
AQEX class, 86
AQEY class, 97
AQJY class, 96, 101
AQKY class, 98
AQLY class, 102
AQWF class, 123
AQWY class, 103
ARBA class, 350
ARBX class, 343
ARBY class, 350
ARD class, 64
ARF class, 65
ARPY class, 350
ASAA class, 238
ASAY class, 238
ASDA class, 244
ASDF class, 244
ASEY class, 245
AST class, 61
ATAL class, 257, 259, 260, 333
ATAX class, 255
ATAY class, 257–261
ATBL class, 312, 313
ATCL class, 271, 272, 274, 276
ATCX class, 251
ATCY class, 271
ATMX class, 330
ATMY class, 256, 262, 268, 270, 277–283, 290, 292, 309
ATOL class, 331, 332
AWWX class, 87
AZGY class, 62
AZQF class, 94, 95
AZQY class, 94, 95
AZSY class, 62

- B series, 13
- Ballast Plough, 49, 54
- BB class, 63
- BD class, 201
- BJ class, 199, 200
- BL class, 175
- Bluebird
 - 100 class, 219
 - 250 class, 217
 - 280 class, 218
- Brake Van, 13
 - 8300 class, 18–20
 - CD class, 21
 - CGN class, 24
 - CGP class, 22
 - CO class, 15
 - JCP class, 23
 - PCO class, 16
 - SCD class, 21
- Braking Tender, 55
- BRE class, 67
- breakdown car, 50
- Breakdown crane, 187
- breakdown crane, 188
- BRJ class, 66
- BT class, 55

- C class, 208
- C series, 25
- Cafeteria car, 208, 211
- Cattle
 - ACAA class, 237
 - ACAF class, 237
 - ACFA class, 241
 - ACFF class, 241
 - ACGF class, 242
 - CF class, 239
 - CFN class, 246
 - GCF class, 246
 - SCZ class, 243
- CB class, 220
- CCL class, 194
- CD class brake, 21
- CDF class, 211
- Cement Container, 81
- CF class, 239
- CFN class, 246
- CGN class brake, 24
- CGP class brake, 22
- CK class, 184
- CL class, 177
- CLF class, 180
- CLP class, 181
- Club car, 194, 211
- CO class brake, 15
- Conference car, 209
- Container, 25
 - CQ class container, 27
 - CTQ class container, 29
 - Insulated Containers, 27, 29
- Container Flat, 75–79, 96–98, 101–111, 114
- CQ class container, 27
- Crane
 - 109t, 187
 - 61t, 188
 - breakdown, 187, 188
- Crew Accommodation
 - ARD class, 64
 - ARF class, 65
 - BB class, 63
 - BRE class, 67
 - BRJ class, 66
 - ECA class, 63–67
- CTQ class container, 29

- D class Van, 17
- D series, 32
- Departmental, 32
- DL class, 182
- Dorai, 192

Dreamtime Lounge, 214

DWF class, 351, 352

ECA class, 63–67

EE class, 360

EL class, 176

ENHG class, 158

ENHV class, 159

ENOB class, 136

ENOG class, 138

ENOS class, 137

Entertainment car, 210

ESV class, 39–43

F series, 70

FB class, 80

FL class, 56

Flat

2-Pack, 97, 98, 104–106

3-Pack, 107–110

5-Pack, 96, 101–103, 111, 114

AFBA class, 82, 83

AFBF class, 82

AFBY class, 83

AFCX class, 71, 72

AFDX class, 72, 73

AFFA class, 82, 84

AFHA class, 85

AFIY class, 92

AFKX class, 76, 77

AFMX class, 72, 74

AFSY class, 91

AFTA class, 83

AFTF class, 82

AKAX class, 106

AKDX class, 105

AKEX class, 93

AKLF class, 104

AKMX class, 99, 100

AKSY class, 107, 109, 110

AKYY class, 111

AQAX class, 81

AQBX class, 80

AQCF class, 78, 79

AQCX class, 78, 79

AQDW class, 75

AQEX class, 86

AQEY class, 97

AQJY class, 96, 101

AQKY class, 98

AQLY class, 102

AQWY class, 103

AWWX class, 87

AZQF class, 94, 95

AZQY class, 94, 95

Cement Container Wagon, 81

Container Flat, 75–79, 96–98, 101–111, 114

FB class, 80

Heavy Lift, 94, 95

KSY class, 108

Particle Board Bogie Flat, 74

Refrigerated Containers, 86

RKIY class, 112

RKYY class, 113

RQEY class, 114

Semi-Trailer Flat, 91, 92

SFC class, 88, 89

SFLC class, 88, 89

Steel Coil, 93

Steel wagon, 99, 100

Well Wagon, 87, 90, 112, 113

WL class, 90

Flats, 70

Freight Tray, 28

FRT class, 44–47

G series, 116

GCF class, 246

Generator Flat

AZSY class, 62

Ghan

- Dreamtime Lounge, 214
- Oasis Bar, 213
- Gondola, 116
 - ADWA class, 123
 - AFWY class, 117
 - AOBX class, 119
 - AOCX class, 118
 - AOFX class, 120
 - AOGA class, 125
 - AOGF class, 125
 - AOQF class, 130
 - AOQY class, 129
 - AOWA class, 134
 - AOWL class, 123
 - AOXA class, 124
 - AOXF class, 124
 - AOXX class, 117, 124
 - AQWF class, 123
 - ENOB class, 136
 - ENOG class, 138
 - ENOS class, 137
 - NGF class, 135
 - OBF class, 122, 126
 - OC class, 128
 - OF class, 127
 - SGBC class, 132
 - SGBZ class, 133
 - SGC class, 131
 - YST class, 121
- H series, 140
- HAN class, 156
- HBN class, 157
- HCN class, 151
- Heavy Lift Flat, 94, 95
- HN class, 154
- Hopper, 140
 - AHAY class, 148
 - AHBF class, 147
 - AHCL class, 146
 - AHDL class, 160, 161
 - AHGX class, 141
 - AHHH class, 155
 - AHSF class, 150
 - AHWY class, 143, 144
 - APAX class, 145
 - APCX class, 142
 - APCY class, 149
 - Ballast, 143, 144, 157
 - Cement, 142, 146, 149
 - ENHG class, 158
 - ENHV class, 159
 - Grain, 141, 151, 155, 156, 159–161
 - HAN class, 156
 - HBN class, 157
 - HCN class, 151
 - HN class, 154
 - NHA class, 152
 - NR class, 153
 - Wheat, 158
- Insulated Containers, 27, 29
- JCP class brake, 23
- Joint Stock, 15, 16, 191–200
- JRA class, 196
- JRB class, 191
- JTA class, 197
- JTB class, 192, 193
- L series, 164
- Locomotive, 164
 - 350 class, 165
 - 500 class, 166
 - 600 class, 167
 - 700 class, 168
 - 800 class, 169
 - 830 class, 170, 174
 - 900 class, 171
 - 930 class, 172, 173
 - AL class, 178

- ALF class, 179
- AN class, 183
- BL class, 175
- CK class, 184
- CL class, 177
- CLF class, 180
- CLP class, 181
- DL class, 182
- EL class, 176
- T class, 184
- Luggage Van, 13
 - D class, 17
- M series, 185
- Mail Van
 - D class, 17
- Maintenance and Works, 185
- MIC
 - Toyota, 52
- Motor Vehicle Transport, 1
 - AMAX class, 5
 - AMBP class, 7
 - AMBX class, 6
 - AMDY class, 11
 - AMGF class, 10
 - AMKF class, 9
 - AMMX class, 4
 - AMOP class, 8
 - AMOX class, 3
- NGF class, 135
- NHA class, 152
- NR class, 153
- Oasis Bar, 213
- OBF class, 122, 126
- OC class, 128
- OF class, 127
- Open
 - ADWA class, 123
 - AFWY class, 117

- AOBX class, 119
- AOCX class, 118
- AOFX class, 120
- AOGA class, 125
- AOGF class, 125
- AOQF class, 130
- AOQY class, 129
- AOWA class, 134
- AOWL class, 123
- AOXA class, 124
- AOXF class, 124
- AOXX class, 117, 124
- AQWF class, 123
- ENOB class, 136
- ENOG class, 138
- ENOS class, 137
- NGF class, 135
- OBF class, 122, 126
- OC class, 128
- OF class, 127
- SGBC class, 132
- SGBZ class, 133
- SGC class, 131
- YST class, 121
- Overland
 - AJ class, 198
 - Allambi, 191
 - BJ class, 199, 200
 - CCL class, 194
 - Club, 194
 - Dorai, 192
 - JRA class, 196
 - JRB class, 191
 - JTA class, 197
 - JTB class, 192, 193
 - RBJ class, 195
 - SJ class, 191–193, 196, 197
 - Tantini, 191
 - Tawarri, 193
 - Weroni, 192

- Yankai, 193
- P series, 190
- Particle Board Bogie Flat, 74
- Passenger, 190, 210
- 500 class, 206
 - 600 class, 207
 - 700 class, 203
 - 750 class, 204
 - 780 class, 205
 - ACC class, 209
 - AD class, 202
 - AFC class, 214
 - AG class, 212
 - AJ class, 198
 - Allambi, 191
 - AOB class , 213
 - BD class, 201
 - BJ class, 199, 200
 - C class, 208
 - Cafeteria, 208
 - Cafeteria , 211
 - CCL class, 194
 - CDF class, 211
 - Club, 194, 211
 - Conference, 209
 - Dorai, 192
 - Dreamtime Lounge, 214
 - Ghan, 213, 214
 - JRA class, 196
 - JRB class, 191
 - JTA class, 197
 - JTB class, 192, 193
 - Oasis Bar, 213
 - Overland, 191–195
 - RBJ class, 195
 - SJ class, 191–193, 196, 197
 - Steel car, 203–207
 - Tantini, 191
 - Tawarri, 193
- Weroni, 192
- Yankai, 193
- PCO class brake, 16
- Permanent Way Camp Train
- 75 class railcar, 34
 - ESV class, 39–43
 - PWA class, 36–38
 - PWK class, 35
 - PWS class, 33, 34
- PlanId
- A01, 3
 - A02, 4
 - A03, 5
 - A04, 6
 - A05, 7
 - A06, 8
 - A07, 9
 - A08, 10
 - A09, 11
 - B01, 15
 - B02, 16
 - B03, 17
 - B04, 18
 - B05, 19
 - B06, 20
 - B07, 21
 - B08, 22
 - B09, 23
 - B10, 24
 - c01, 27
 - c02, 28
 - c03, 29
 - d02, 33
 - d03, 34
 - d04, 35
 - d05, 36
 - d06, 37
 - d07, 38
 - d08, 39
 - d09, 40

d10, 41
d11, 42
d12, 43
d13, 44
d14, 45
d15, 46
d16, 47
d17, 48
d18, 49
d19, 50
d20, 51
d21, 52
d22, 53
d23, 54
d24, 55
d25, 56
d26, 57
d27, 58
d28, 59
d29, 60
d30, 61
d31, 62
d32, 63
d33, 64
d34, 65
d35, 66
d36, 67
f01, 71
f01l, 72
f02, 73
f03, 74
f04, 75
f05, 76
f05l, 77
f06, 78
f06l, 79
f07, 80
f08, 81
f09, 82
f09l, 83

f09l2, 84
f10, 85
f11, 86
f12, 87
f13, 88
f13l, 89
f14, 90
f16, 91
f17, 92
f18, 93
f19, 94
f19L, 95
f20, 96
f21, 97
f22, 98
f23, 99
f23l, 100
f24, 101
f25, 102
f26, 103
f27, 104
f28, 105
f29, 106
f30, 107
f30l, 108
f31, 109
f31l, 110
f32, 111
f33, 112
f34, 113
f35, 114
g01, 117
g02, 118
g03, 119
g04, 120
g05, 121
g06, 122
g07, 123
g08, 124
g09, 125

g10, 126
g11, 127
g12, 128
g13, 129
g14, 130
g15, 131
g16, 132
g17, 133
g18, 134
g19, 135
g20, 136
g21, 137
g22, 138
h01, 141
h02, 142
h03, 143
h04, 144
h05, 145
h06, 146
h07, 147
h08, 148
h09, 149
h10, 150
h11, 151
h12, 152
h13, 153
h14, 154
h15, 155
h16, 156
h17, 157
h18, 158
h19, 159
h20, 160
h21, 161
L01, 165
L02, 166
L03, 167
L04, 168
L05, 169
L06, 170

L07, 171
L08, 172
L09, 173
L10, 174
L11, 175
L12, 176
L13, 177
L14, 178
L15, 179
L16, 180
L17, 181
L18, 182
Lan, 183
Lck, 184
M02, 187
M03, 188
P01, 191
P02, 192
P03, 193
P04, 194
P05, 195
P06, 196
P07, 197
P08, 198
P09, 199
P10, 200
P11, 201
P12, 202
P13, 203
P14, 204
P15, 205
P16, 206
P17, 207
P18, 208
P19, 209
P20, 210
P21, 211
P22, 212
P23, 213
P24, 214

R01, 217	T16, 266
R02, 218	T17, 267
R03, 219	T18, 268
R04, 220	T19, 269
RR01, 223	T20, 270
RR02, 224	T21, 271
RR03, 225	T22, 272
RR04, 226	T23, 273
RR05, 227	T24, 274
RR06, 228	T25, 275
RR07, 229	T26, 276
RR08, 230	T27, 277
RR09, 231	T28, 278
RR10, 232	T29, 279
RR11, 233	T30, 280
S01, 237	T31, 281
S02, 238	T32, 282
S03, 239	T33, 283
S04, 240	T34, 284
S05, 241	T35, 285
S06, 242	T36, 286
S07, 243	T37, 287
S08, 244	T38, 288
S09, 245	T39, 289
S10, 246	T40, 290
T01, 251	T41, 291
T02, 252	T42, 292
T03, 253	T43, 293
T04, 254	T44, 294
T05, 255	T45, 295
T06, 256	T46, 296
T07, 257	T47, 297
T08, 258	T48, 298
T09, 259	T49, 299
T10, 260	T50, 300
T11, 261	T51, 301
T12, 262	T52, 302
T13, 263	T53, 303
T14, 264	T54, 304
T15, 265	T55, 305

T56, 306
T57, 307
T58, 308
T59, 309
T60, 310
T61, 311
T62, 312
T63, 313
T64, 314
T65, 315
T66, 316
T67, 317
T68, 318
T69, 319
T70, 320
T71, 321
T72, 322
T73, 323
T74, 324
T75, 325
T76, 326
T77, 327
T78, 328
T79, 329
T80, 330
T82, 331
T83, 332
T84, 333
TR03, 337
V01, 341
V02, 342
V03, 343
V04, 344
V05, 345
V06, 346
V07, 347
V08, 348
V09, 349
V10, 350
V11, 351
V12, 352
V13, 353
V14, 354
V15, 355
V16, 356
V17, 357
V18, 358
V19, 359
V20, 360
V21, 361
V22, 362
Poison train
 Poison car, 57
Power Van, 13
 PCO class, 16
PWA class, 36–38
PWK class, 35
PWS class, 33, 34

R series, 215
Rail Train, 44–47
Railcar, 215
 100 class, 219
 250 class, 217
 280 class, 218
 Budd, 220
 CB class, 220
RALR class, 337
RANB class, 231
RANC class, 227
RAND class, 230
RANL class, 232
RANR class, 228, 337
RANS class, 225, 226
RANT class, 229
RANV class, 224
RBJ class, 195
RCTF class, 223
Refrigerated Containers, 86
RKIY class, 112

RKYY class, 113
RoadRailer, 221
 RANB class, 231
 RANC class, 227
 RAND class, 230
 RANL class, 232
 RANR class, 228
 RANS class, 225, 226
 RANT class, 229
 RANV class, 224
 RCTF class, 223
 RTNM class, 233
RQEY class, 114
RR series, 221
RTNM class, 233

S series, 235
SCD class brake, 21
SCZ class, 243
Semi-Trailer Flat, 91, 92
SF class, 240
SFAC class, 329
SFC class, 88, 89
SFLC class, 88, 89
SFWM class, 51
SGBC class, 132
SGBZ class, 133
SGC class, 131
Sheep
 ASAA class, 238
 ASAY class, 238
 ASDA class, 244
 ASDF class, 244
 ASEY class, 245
 SF class, 240
Shunt tender, 61
SJ class, 191–193, 196, 197
SLC class, 355, 356
SLWC class, 357
SLZ class, 358

SP class, 49
SRRC class, 361
STBC class, 266, 267, 322
STCC class, 311
STDC class, 324
Steel Coil, 93
Steel wagon, 99, 100
STM class, 294–296
STMC class, 297, 298
STOC class, 324–326
Stock, 235
 ACAA class, 237
 ACAF class, 237
 ACFA class, 241
 ACFF class, 241
 ACGF class, 242
 ASAA class, 238
 ASAY class, 238
 ASDA class, 244
 ASDF class, 244
 ASEY class, 245
 CF class, 239
 CFN class, 246
 GCF class, 246
 SCZ class, 243
 SF class, 240
STPC class, 264, 265, 323
STS class, 321
STSC class, 300, 314–320
STW class, 252
STWC class, 327, 328
STZC class, 323

T class, 184
T series, 250
TA class, 254
Tank, 250
 ATAL class, 257, 259, 260, 333
 ATAX class, 255
 ATAY class, 257–261

- ATBL class, 312, 313
- ATCL class, 271, 272, 274, 276
- ATCX class, 251
- ATCY class, 271
- ATMX class, 330
- ATMY class, 256, 262, 268, 270, 277–283, 290, 292, 309
- ATOL class, 331, 332
- Bitumen, 268, 269, 290
- Creosote, 251
- Mixing, 328
- Portable Acid Container, 308
- SFAC class, 329
- STBC class, 266, 267, 322
- STCC class, 311
- STDC class, 324
- STM class, 294–296
- STMC class, 297, 298
- STOC class, 324–326
- STPC class, 264, 265, 323
- STS class, 321
- STSC class, 300, 314–320
- STW class, 252
- STWC class, 327, 328
- STZC class, 323
- Sulphuric Acid, 254, 255, 257–261, 333
- TA class, 254
- TB class, 256
- TC class, 285–289, 299, 309
- TCA class, 273, 275
- TCO class, 302, 304, 305
- TDF class, 301–305
- TG class, 307
- TS class, 300, 309, 310
- TV class, 253, 263, 268, 269, 284, 290–293, 310
- TW class, 304–306
- Water, 252, 327
- YA class, 308
- Tantini, 191
- Tawarri, 193
- TB class, 256
- TC class, 285–289, 299, 309
- TCA class, 273, 275
- TCO class, 302, 304, 305
- TDF class, 301–305
- TG class, 307
- The Overland, 191–200
- Toyota MIC, 52
- TR series, 335
- Trailerail, 335
 - RALR class, 337
 - RANR class, 337
- TS class, 300, 309, 310
- TV class, 253, 263, 268, 269, 284, 290–293, 310
- TW class, 304–306
- V series, 340
- Van, 340, 351
 - ABAA class, 349
 - ABAF class, 349
 - ABBA class, 349
 - ALAA class, 353, 354
 - ALAY class, 353
 - ALFA class, 347
 - ALFF class, 348
 - ALFY class, 347
 - ALGX class, 341, 342
 - ALHX class, 344
 - ALHY class, 346
 - ALPY class, 345, 354
 - ALXY class, 359
 - ARBA class, 350
 - ARBX class, 343
 - ARBY class, 350
 - ARPY class, 350
 - DWF class, 352
 - EE class, 360
 - Explosives, 359, 360
 - Insulated, 343, 350, 361
 - Louvre, 341, 342, 344–348, 351–355, 357, 358
 - Louvred, 362

SLC class, 355, 356
SLWC class, 357
SLZ class, 358
SRRC class, 361
VFN class, 362
VFN class, 362

Well Wagon, 87, 90, 112, 113
Weroni, 192
Wheel and Axle Sets wagon, 56
WL class, 90
Wreckmaster, 51

YA class container, 308
Yankai, 193
YR class, 48
YST class, 121



NOTE 1

1 CAR Nos 251, 252, 253, 257, 258 & 259 Are Fitted With Representative Buffet Units
 & Seat 52 Passengers. Remaining Cars Seat 56 Passengers

REARWIND & FAN

AIR CONDITIONING
INTAKE FACTORS

B' END

16 15'5" BOGE CENTRES

23 850 OVER COUPLING POINTS

22 860 OVER END SILL

16M SILL

2 970

250 QUAIL, 256 ROOBY
 251 LORAIN, 257 RESTRA
 252 BLUE WREN, 258 GOSHAWK
 253 PELICAN, 259 PENGUIN
 264 BRIGGS, 260 CORRELLA
 255 CORLEW

NOTE RAILCAR 250 Renumbered to 260
 A.N. RAILWAY WORKS LTD, ISLINGTON, S.A.

DIESEL HYDRAULIC RAIL CAR

WHERE BUILT		No.	DATE
S.A. RAILWAYS ISLINGTON		11	1951
BRAKE POWER PER UNIT OF TRADE WEIGHT	CAPACITY CURIC 50% MAX LOAD	JOURNAL TYPE, AXLE LOADING SIZES, etc.	
AIR & WATER TANK	CHASSIS CLASS	CENTRE	
SCOUT AREA 1.2 x 2.5	CHASSIS CLASS	CHIEF MECHANICAL ENGINEER	
1.2 x 2.5	CHASSIS CLASS		

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

Australian National SAR 1435MM Diagrams

NRM-DB02 - August 8, 2024