

Presented here is the South Australian Railway Standard Crossing Diagrams Plan Book, originally produced by rail operator the South Australian Railways. 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.

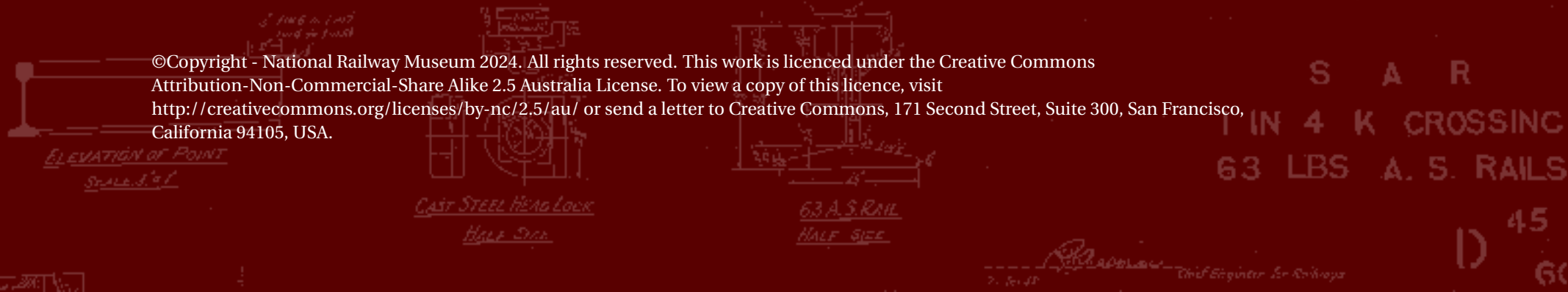
We are dedicated to assisting researchers with inquiries related to Australia's railway history. For any queries concerning railways, feel free to contact us.

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-DB05

Contents

i

1 Book Cover

1

1.1 Front Cover of SAR Standard Crossing Diagram book	3
---	---

2 Book Diagrams

5

2.1 SAR Diagrams of V crossing 80LBS and 90LBS AS Rails - C34/1	9
2.2 SAR Arrangement of V Crossings 90LBS AS Rails - Sheet No.1 of 2 - C35/23	10
2.3 SAR Detail of V crossing 90LBS AS Rails - Sheet 2 of 2 - C35/24	11
2.4 SAR 15Ft Switch 90LBS AS Rails - C36/2	12
2.5 SAR 20Ft Switch 90LBS AS Rails - C36/3	13
2.6 SAR 30Ft Switch 90LBS AS Plant - C36/63	14
2.7 SAR 1 in 8 Double Compound 5'3" Gauge 90 and 90AS - Sheet 1 of 2 - C38/68	15
2.8 SAR 1 in 8 Double Compound 5'3" Gauge 90 and 90AS 15Ft Switches - Sheet 2 of 2 - C38/69	16
2.9 SAR Diagrams of V Crossings 82LBS AS Rails - C43/67	17
2.10 SAR Arrangement of V Crossings 82LBS AS Rails - Sheet 1 of 2 - C43/68	18
2.11 SAR Arrangement of V Crossings 82LBS AS Rails - Sheet 2 of 2 - C43/69	19
2.12 SAR 15Ft Switch 82LBS AS Rails - C43/112	20
2.13 SAR 20Ft Switch 82LBS AS Rails - C43/113	21
2.14 SAR Diagrams of V Crossings 63LBS AS Rails - C45/45	22
2.15 SAR Arrangement of V Crossings 63LBS AS Rails - Sheet 1 of 2 - C45/46	23
2.16 SAR Detail of V crossing 63LBS AS Rails - Sheet 2 of 2 - C45/47	24
2.17 SAR 15Ft Switch 63LBS AS Plant - C46/40	25
2.18 SAR 20Ft Switch 63LBS AS Plant - C46/41	26
2.19 SAR 12Ft Switch For Use With Fixed Point 82AS Rails - C46/42	27
2.20 SAR 12Ft Switch For Use With Fixed Point 63AS Rails - C46/43	28
2.21 SAR Fixed Point 82AS Rails - C46/44	29
2.22 SAR Fixed Point 63AS Rails - C46/45	30

2.23 SAR Arrangement of Fixed Point 63 and 82AS Rails - C46/46	31
2.24 SAR 1 in 8 Double Compound 5'3" Gauge 82AS - C47/45	32
2.25 SAR Double Compound 5'3" Gauge 82AS 15Ft Switches - C47/6	33
2.26 SAR 1 in 8 Double Compound 5'3" Gauge 63AS - C47/13	34
2.27 SAR Double Compound 5'3" Gauge 63AS 15Ft Switches - C47/14	35
2.28 SAR 1 in 8 Double Compound 3'6" Gauge 63AS - C47/27	36
2.29 SAR Double Compound 3'6" Gauge 63AS Rails 12 Ft Switches - C47/28	37
2.30 SAR 20Ft Switch 107AS Rails - C54/9	38
2.31 SAR Junction Joint and Fishplates 80A to 60A Half Full Size - D29/33	39
2.32 SAR Junction Joint and Fishplates 61 to 60AS Half Full Size - D29/38	40
2.33 SAR Junction Joint and Fishplates 100AS to 80AS Half Full Size - D30/82	41
2.34 SAR Junction Joint and Fishplates 100AS to 80A Half Size - D30/83	42
2.35 SAR Junction Joint and Fishplates 100AS to 60AS Half Size - D30/84	43
2.36 SAR Junction Joint and Fishplates 100AS to 60A Half Size - D30/85	44
2.37 SAR Junction Joint and Fishplates 80AS to 80A Half Size - D30/86	45
2.38 SAR Junction Joint and Fishplates 80AS to 60AS Half Size - D30/87	46
2.39 SAR Junction Joint and Fishplates 80AS to 60A Half Size - D30/88	47
2.40 SAR Junction Joint and Fishplates 80AS to 61 Half Size - D30/89	48
2.41 SAR Junction Joint and Fishplates 80AS to 50A Half Size - D30/90	49
2.42 SAR Junction Joint and Fishplates 80AS to 50-1/2 Half Size - D30/90A	50
2.43 SAR Junction Joint and Fishplates 80A to 60AS Half Size - D30/91	51
2.44 SAR Junction Joint and Fishplates 80A to 61 Half Size - D30/92	52
2.45 SAR Junction Joint and Fishplates 80A to 50A Half Size - D30/93	53
2.46 SAR Junction Joint and Fishplates 60AS to 60A Half Size - D30/94	54
2.47 SAR Junction Joint and Fishplates 60AS to 50A Half Size - D30/95	55
2.48 SAR Junction Joint and Fishplates 60AS to 41 Half Size - D30/96	56
2.49 SAR Junction Joint and Fishplates 60AS to 50 and 50-1/2 Half Size - D30/97	57
2.50 SAR Junction Joint and Fishplates 60AS to 50A Half Size - D30/98	58
2.51 SAR Junction Joint and Fishplates 60A to 41 Half Size - D30/99	59
2.52 SAR Junction Joint and Fishplates 61 to 60A Half Size - D30/100	60
2.53 SAR Junction Joint and Fishplates 61 to 50A Half Size - D30/101	61
2.54 SAR Junction Joint and Fishplates 50A to 50 and 50-1/2 Half Size - D30/102	62
2.55 SAR Junction Joint and Fishplates 50A to 41 Half Size - D30/103	63
2.56 SAR Junction Joint and Fishplates 94 and 90AS to 80A Half Size - D35/12	64
2.57 SAR Junction Joint and Fishplates 90AS to 60A Half Size - D35/53	65
2.58 SAR Diagram of K Crossing 90LBS AS Rails - D35/74	66
2.59 SAR 1 in 4 K Crossing 90LBS AS rails - D35/75	67
2.60 SAR 1 in 8 K Crossing 90LBS AS Rails - D35/76	68
2.61 SAR Junction Joint and Fishplates 80AS to 60AS B Half Size - D37/87	69
2.62 SAR Junction Joint and Fishplates 60AS B to 41 Half Size - D37/96	70

2.63 SAR Junction Joint and Fishplates 60AS B to 60A Half Size - D38/30	71
2.64 SAR Junction Joint and Fishplates 60AS B to 50 and 50-1/2 Half Size - D38/31	72
2.65 SAR Adjustable Self Reversing Switch Box - D42/103	73
2.66 SAR Diagrams of K Crossings 82AS Rails - D45/56	74
2.67 SAR 1 in 4 K Crossing 82LBS AS Rails - D45/57	75
2.68 SAR 1 in 8 K Crossing 82LBS AS Rails - D45/58	76
2.69 SAR Diagram of K Crossing 63AS Rails - D45/59	77
2.70 SAR 1 in 4 K Crossing 63LBS AS Rails - D45/60	78
2.71 SAR 1 in 8 K Crossing 63LBS AS Rails - D45/61	79
2.72 SAR 9/16" and 3/4" Dog Spikes - E33/1	80
2.73 SAR Dropped Forged Sleeper Plate for 90AS 80AS 80A 60AS 60A 50A and Joints of 90AS 80AS A and 60AS A Rails - E35/68	81
2.74 SAR 94LBS Aust Std Rails and Fastenings - E39/18	82
2.75 SAR 82LBS Aust Std Rails and Fastenings - E39/25	83
2.76 SAR 60LBS Aust Std Rails and Fastenings B Rail - E35/74	84
2.77 SAR 107LBS Aust Std Rails and Fastenings - E52/143	85
Index	87



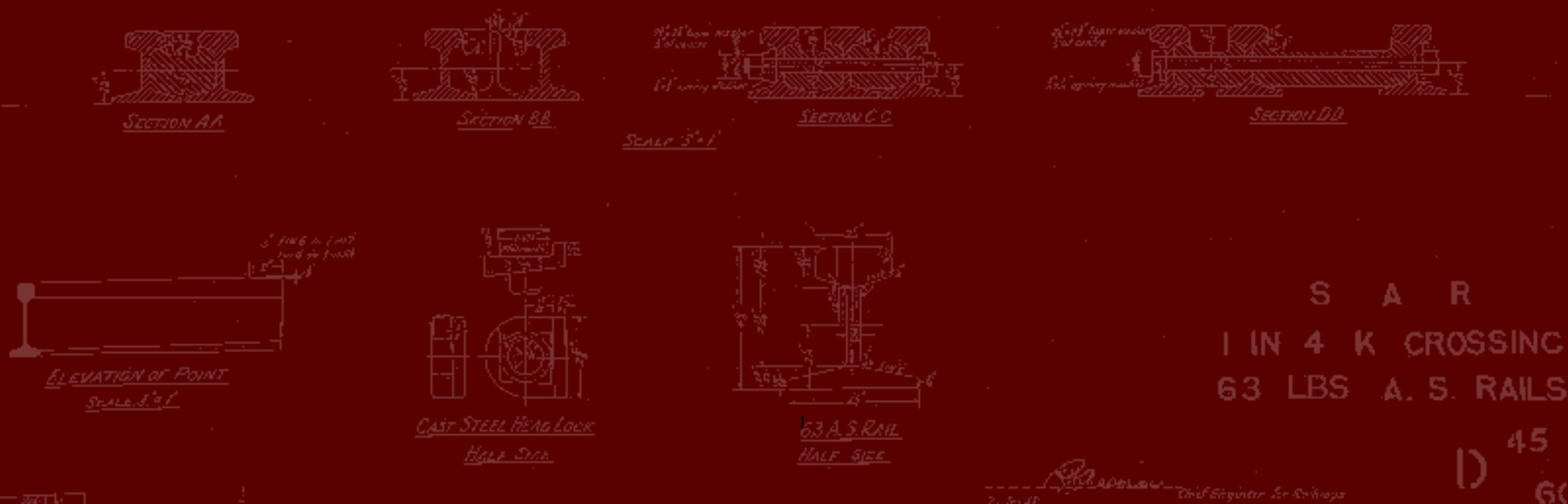
NRM-DB05

CHAPTER

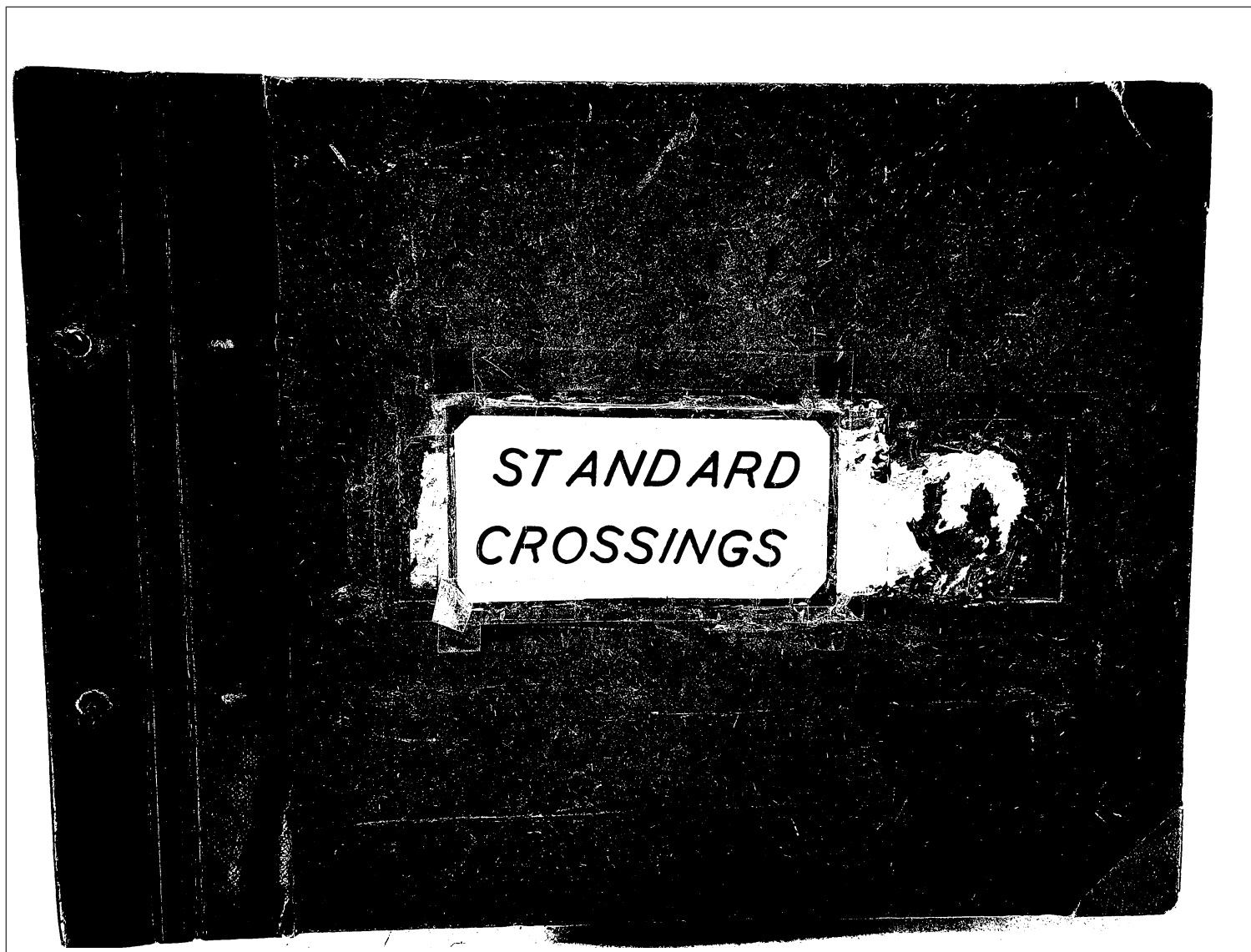
1

BOOK COVER

1.1 Front Cover of SAR Standard Crossing Diagram book	3
---	---



1.1 Front Cover of SAR Standard Crossing Diagram book



PlanId:



NRM-DB05

CHAPTER

2

BOOK DIAGRAMS

2.1	SAR Diagrams of V crossing 80LBS and 90LBS AS Rails - C34/1	9
2.2	SAR Arrangement of V Crossings 90LBS AS Rails - Sheet No.1 of 2 - C35/23	10
2.3	SAR Detail of V crossing 90LBS AS Rails - Sheet 2 of 2 - C35/24	11
2.4	SAR 15Ft Switch 90LBS AS Rails - C36/2	12
2.5	SAR 20Ft Switch 90LBS AS Rails - C36/3	13
2.6	SAR 30Ft Switch 90LBS AS Plant - C36/63	14
2.7	SAR 1 in 8 Double Compound 5'3" Gauge 90 and 90AS - Sheet 1 of 2 - C38/68	15
2.8	SAR 1 in 8 Double Compound 5'3" Gauge 90 and 90AS 15Ft Switches - Sheet 2 of 2 - C38/69	16
2.9	SAR Diagrams of V Crossings 82LBS AS Rails - C43/67	17
2.10	SAR Arrangement of V Crossings 82LBS AS Rails - Sheet 1 of 2 - C43/68	18
2.11	SAR Arrangement of V Crossings 82LBS AS Rails - Sheet 2 of 2 - C43/69	19
2.12	SAR 15Ft Switch 82LBS AS Rails - C43/112	20
2.13	SAR 20Ft Switch 82LBS AS Rails - C43/113	21
2.14	SAR Diagrams of V Crossings 63LBS AS Rails - C45/45	22
2.15	SAR Arrangement of V Crossings 63LBS AS Rails - Sheet 1 of 2 - C45/46	23
2.16	SAR Detail of V crossing 63LBS AS Rails - Sheet 2 of 2 - C45/47	24
2.17	SAR 15Ft Switch 63LBS AS Plant - C46/40	25

2.18 SAR 20Ft Switch 63LBS AS Plant - C46/41	26
2.19 SAR 12Ft Switch For Use With Fixed Point 82AS Rails - C46/42	27
2.20 SAR 12Ft Switch For Use With Fixed Point 63AS Rails - C46/43	28
2.21 SAR Fixed Point 82AS Rails - C46/44	29
2.22 SAR Fixed Point 63AS Rails - C46/45	30
2.23 SAR Arrangement of Fixed Point 63 and 82AS Rails - C46/46	31
2.24 SAR 1 in 8 Double Compound 5'3" Gauge 82AS - C47/45	32
2.25 SAR Double Compound 5'3" Gauge 82AS 15Ft Switches - C47/6	33
2.26 SAR 1 in 8 Double Compound 5'3" Gauge 63AS - C47/13	34
2.27 SAR Double Compound 5'3" Gauge 63AS 15Ft Switches - C47/14	35
2.28 SAR 1 in 8 Double Compound 3'6" Gauge 63AS - C47/27	36
2.29 SAR Double Compound 3'6" Gauge 63AS Rails 12 Ft Switches - C47/28	37
2.30 SAR 20Ft Switch 107AS Rails - C54/9	38
2.31 SAR Junction Joint and Fishplates 80A to 60A Half Full Size - D29/33	39
2.32 SAR Junction Joint and Fishplates 61 to 60AS Half Full Size - D29/38	40
2.33 SAR Junction Joint and Fishplates 100AS to 80AS Half Full Size - D30/82	41
2.34 SAR Junction Joint and Fishplates 100AS to 80A Half Size - D30/83	42
2.35 SAR Junction Joint and Fishplates 100AS to 60AS Half Size - D30/84	43
2.36 SAR Junction Joint and Fishplates 100AS to 60A Half Size - D30/85	44
2.37 SAR Junction Joint and Fishplates 80AS to 80A Half Size - D30/86	45
2.38 SAR Junction Joint and Fishplates 80AS to 60AS Half Size - D30/87	46
2.39 SAR Junction Joint and Fishplates 80AS to 60A Half Size - D30/88	47
2.40 SAR Junction Joint and Fishplates 80AS to 61 Half Size - D30/89	48
2.41 SAR Junction Joint and Fishplates 80AS to 50A Half Size - D30/90	49
2.42 SAR Junction Joint and Fishplates 80AS to 50-1/2 Half Size - D30/90A	50
2.43 SAR Junction Joint and Fishplates 80A to 60AS Half Size - D30/91	51
2.44 SAR Junction Joint and Fishplates 80A to 61 Half Size - D30/92	52

2.45	SAR Junction Joint and Fishplates 80A to 50A Half Size - D30/93	53
2.46	SAR Junction Joint and Fishplates 60AS to 60A Half Size - D30/94	54
2.47	SAR Junction Joint and Fishplates 60AS to 50A Half Size - D30/95	55
2.48	SAR Junction Joint and Fishplates 60AS to 41 Half Size - D30/96	56
2.49	SAR Junction Joint and Fishplates 60AS to 50 and 50-1/2 Half Size - D30/97	57
2.50	SAR Junction Joint and Fishplates 60AS to 50A Half Size - D30/98	58
2.51	SAR Junction Joint and Fishplates 60A to 41 Half Size - D30/99	59
2.52	SAR Junction Joint and Fishplates 61 to 60A Half Size - D30/100	60
2.53	SAR Junction Joint and Fishplates 61 to 50A Half Size - D30/101	61
2.54	SAR Junction Joint and Fishplates 50A to 50 and 50-1/2 Half Size - D30/102	62
2.55	SAR Junction Joint and Fishplates 50A to 41 Half Size - D30/103	63
2.56	SAR Junction Joint and Fishplates 94 and 90AS to 80A Half Size - D35/12	64
2.57	SAR Junction Joint and Fishplates 90AS to 60A Half Size - D35/53	65
2.58	SAR Diagram of K Crossing 90LBS AS Rails - D35/74	66
2.59	SAR 1 in 4 K Crossing 90LBS AS rails - D35/75	67
2.60	SAR 1 in 8 K Crossing 90LBS AS Rails - D35/76	68
2.61	SAR Junction Joint and Fishplates 80AS to 60AS B Half Size - D37/87	69
2.62	SAR Junction Joint and Fishplates 60AS B to 41 Half Size - D37/96	70
2.63	SAR Junction Joint and Fishplates 60AS B to 60A Half Size - D38/30	71
2.64	SAR Junction Joint and Fishplates 60AS B to 50 and 50-1/2 Half Size - D38/31	72
2.65	SAR Adjustable Self Reversing Switch Box - D42/103	73
2.66	SAR Diagrams of K Crossings 82AS Rails - D45/56	74
2.67	SAR 1 in 4 K Crossing 82LBS AS Rails - D45/57	75
2.68	SAR 1 in 8 K Crossing 82LBS AS Rails - D45/58	76
2.69	SAR Diagram of K Crossing 63AS Rails - D45/59	77
2.70	SAR 1 in 4 K Crossing 63LBS AS Rails - D45/60	78
2.71	SAR 1 in 8 K Crossing 63LBS AS Rails - D45/61	79

ELEVATION
SCALE 3/4"

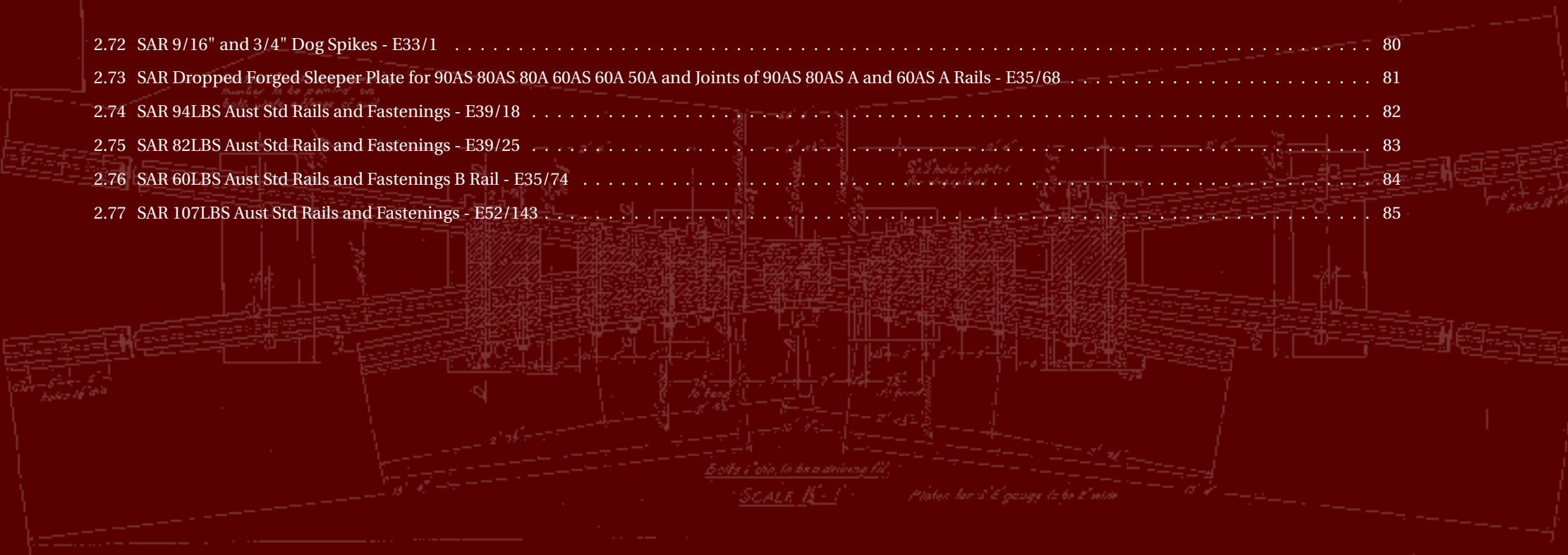
CAST STEEL HEAD LOCK
HALF SIZE

63 A.S. RAIL
HALF SIZE

Chief Engineer for Railways

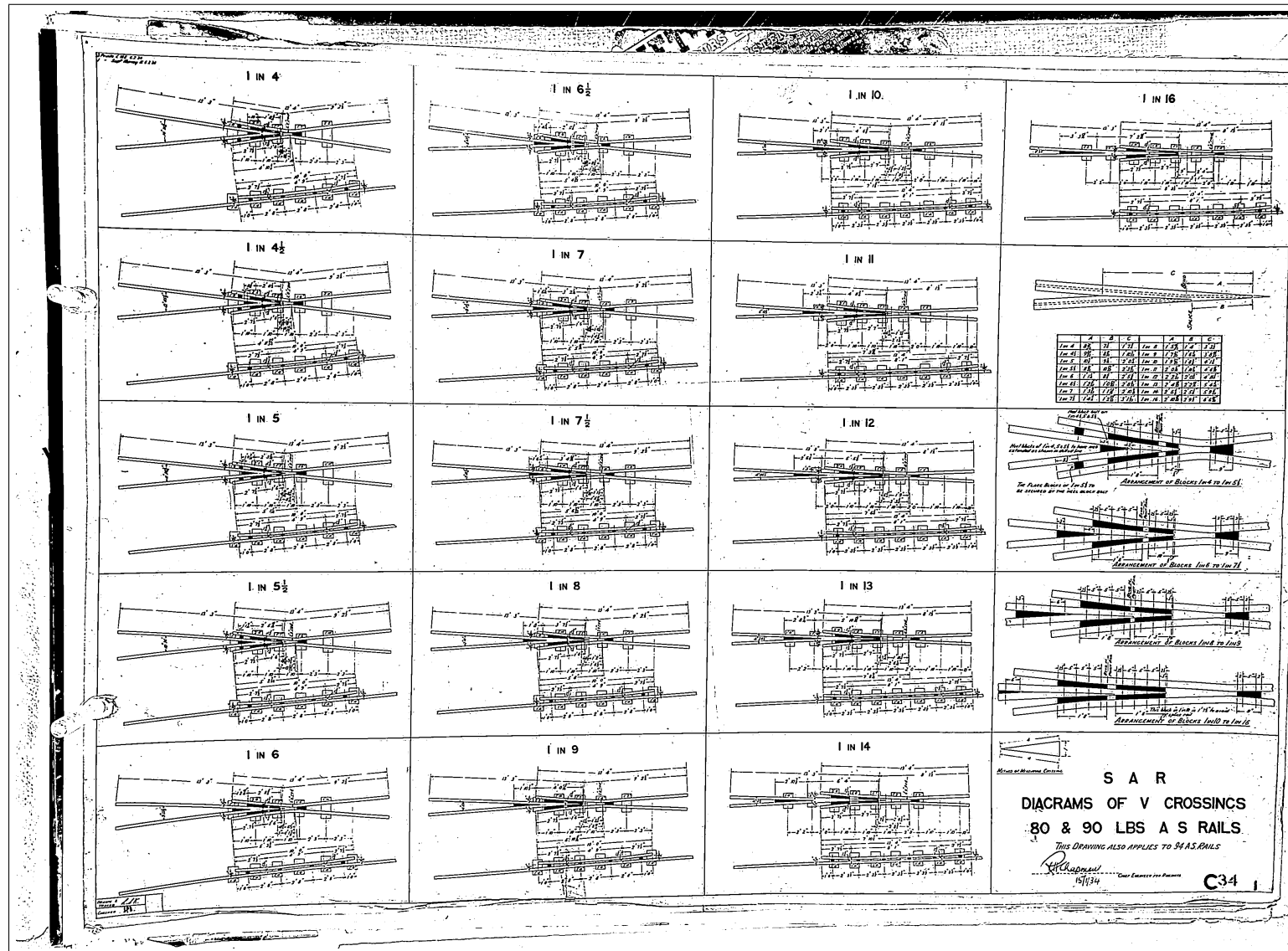
7
45
60

2.72	SAR 9/16" and 3/4" Dog Spikes - E33/1	80
2.73	SAR Dropped Forged Sleeper Plate for 90AS 80AS 80A 60AS 60A 50A and Joints of 90AS 80AS A and 60AS A Rails - E35/68	81
2.74	SAR 94LBS Aust Std Rails and Fastenings - E39/18	82
2.75	SAR 82LBS Aust Std Rails and Fastenings - E39/25	83
2.76	SAR 60LBS Aust Std Rails and Fastenings B Rail - E35/74	84
2.77	SAR 107LBS Aust Std Rails and Fastenings - E52/143	85

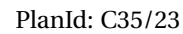


S A R
I IN 4 K CROSSING
63 LBS A. S. RAILS

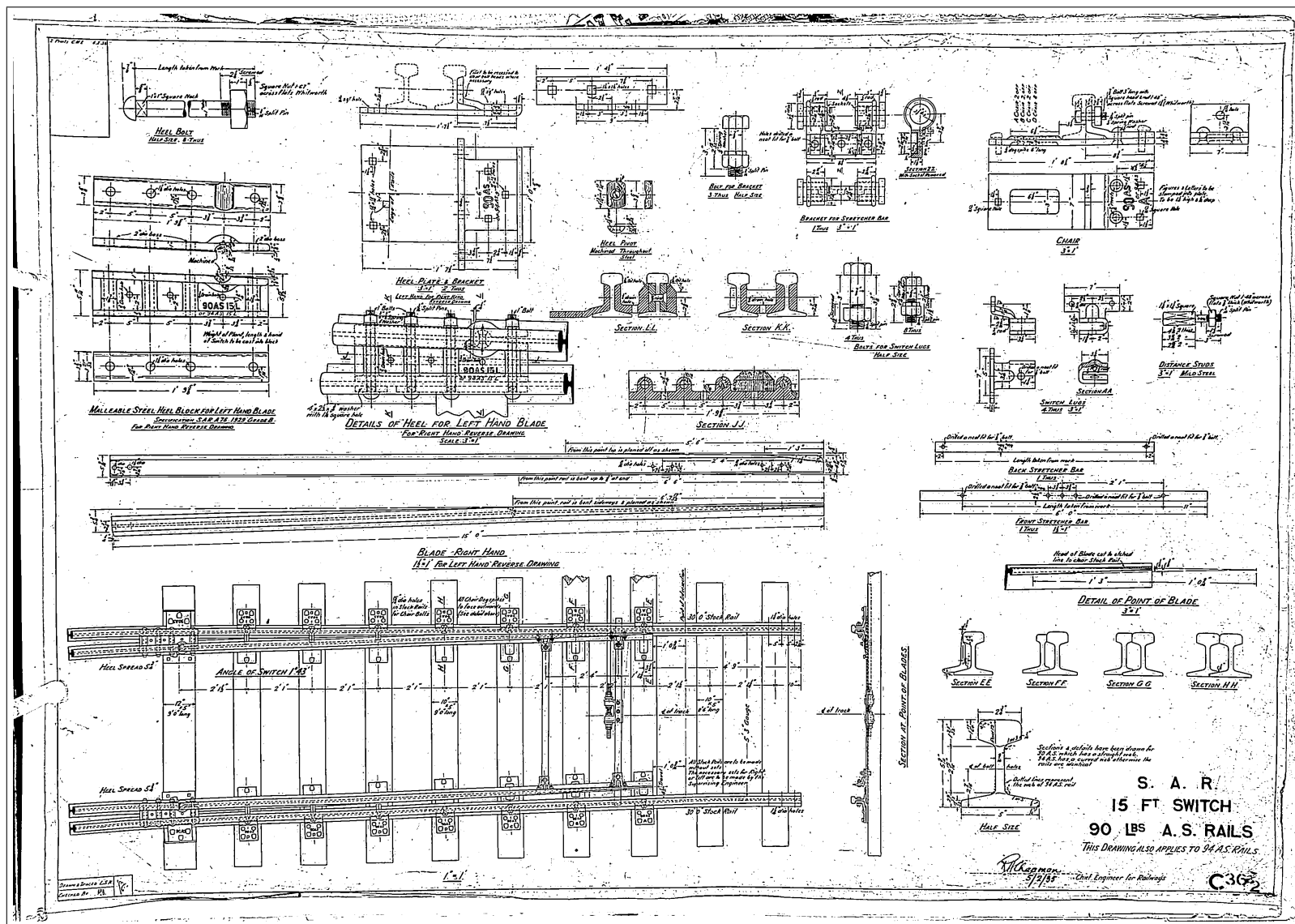
2.1 SAR Diagrams of V crossing 80LBS and 90LBS AS Rails - C34/1



PlanId: C34/1

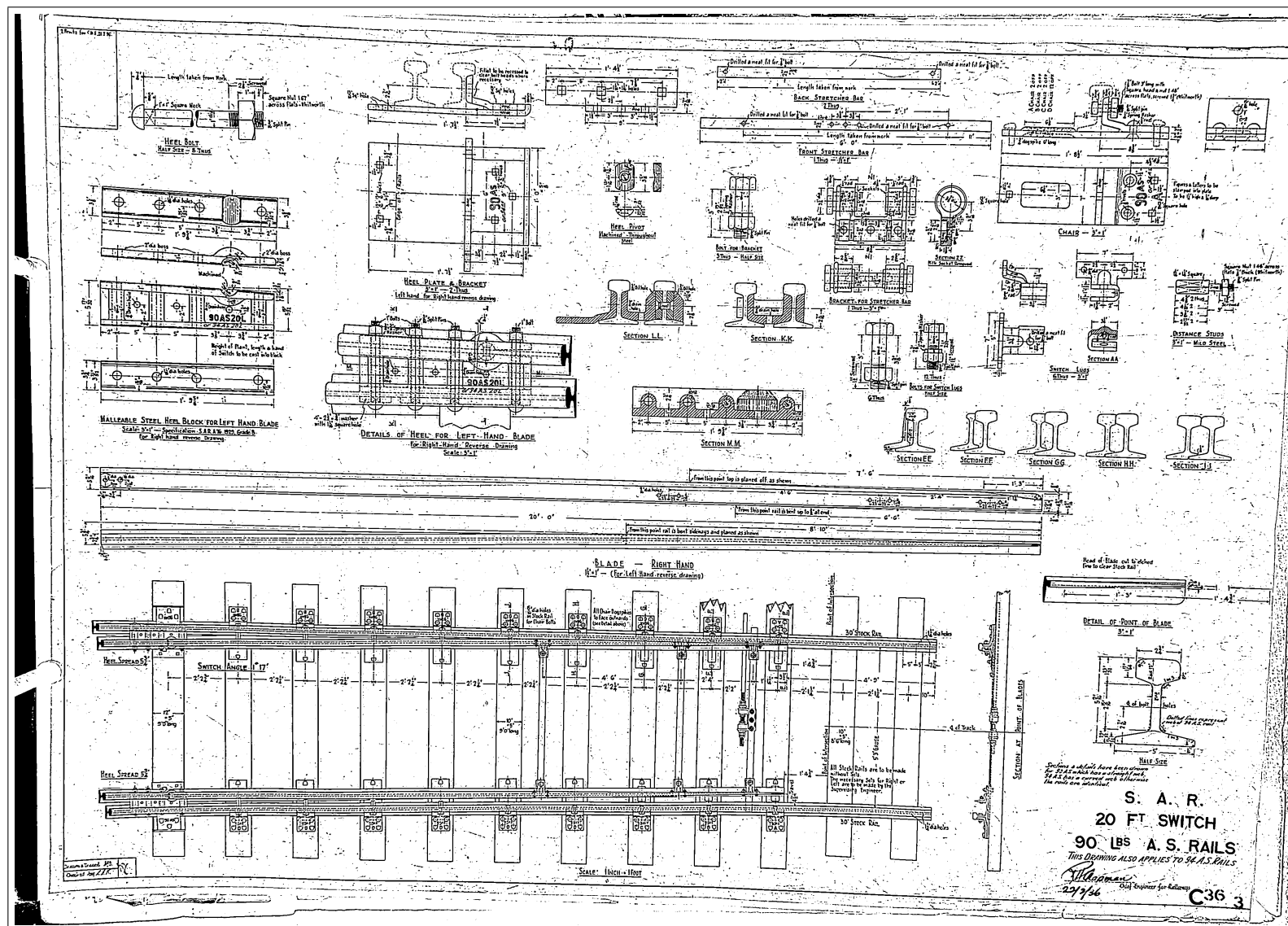


2.4 SAR 15Ft Switch 90LBS AS Rails - C36/2

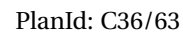


PlanId: C36/2

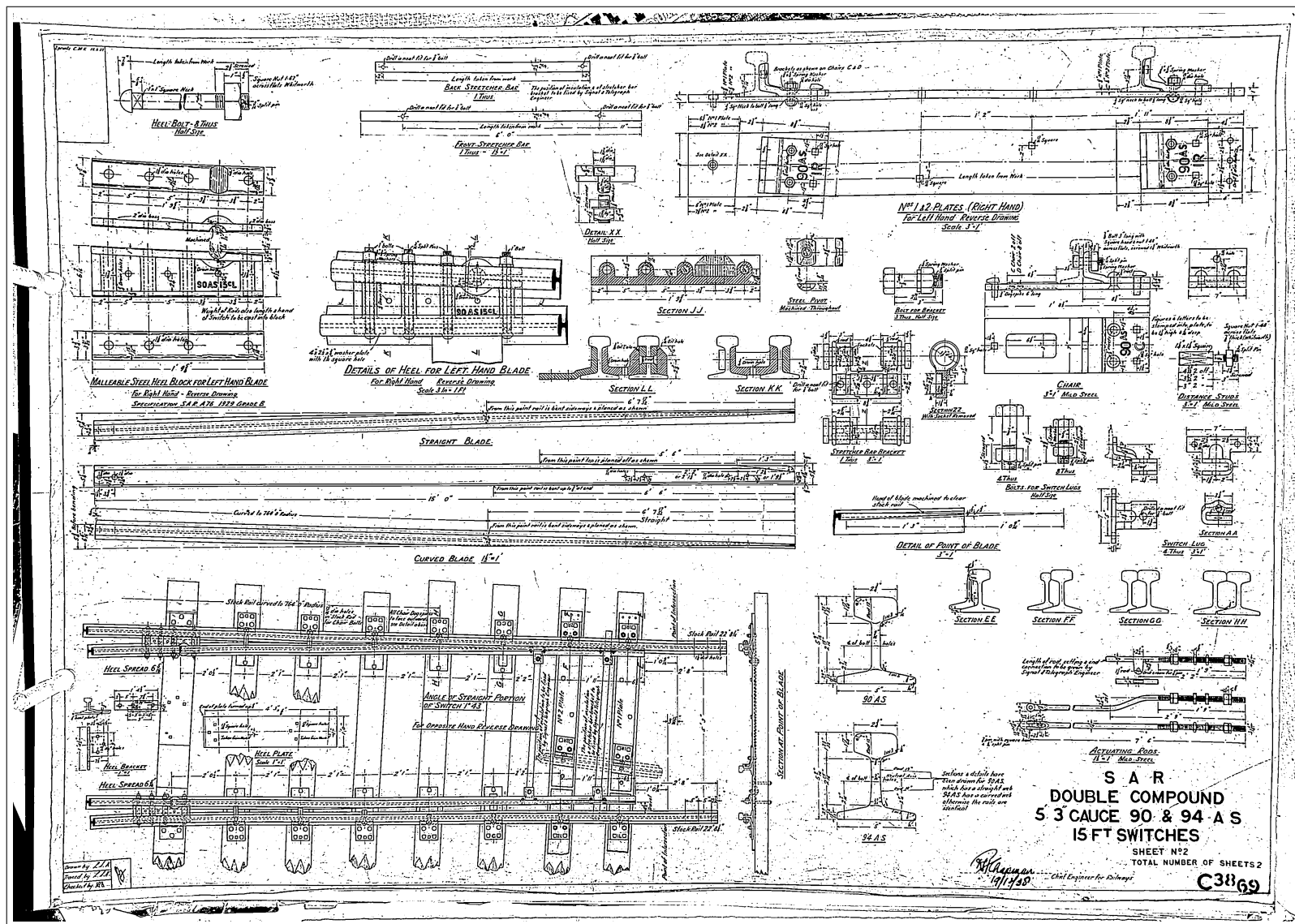
2.5 SAR 20Ft Switch 90LBS AS Rails - C36/3



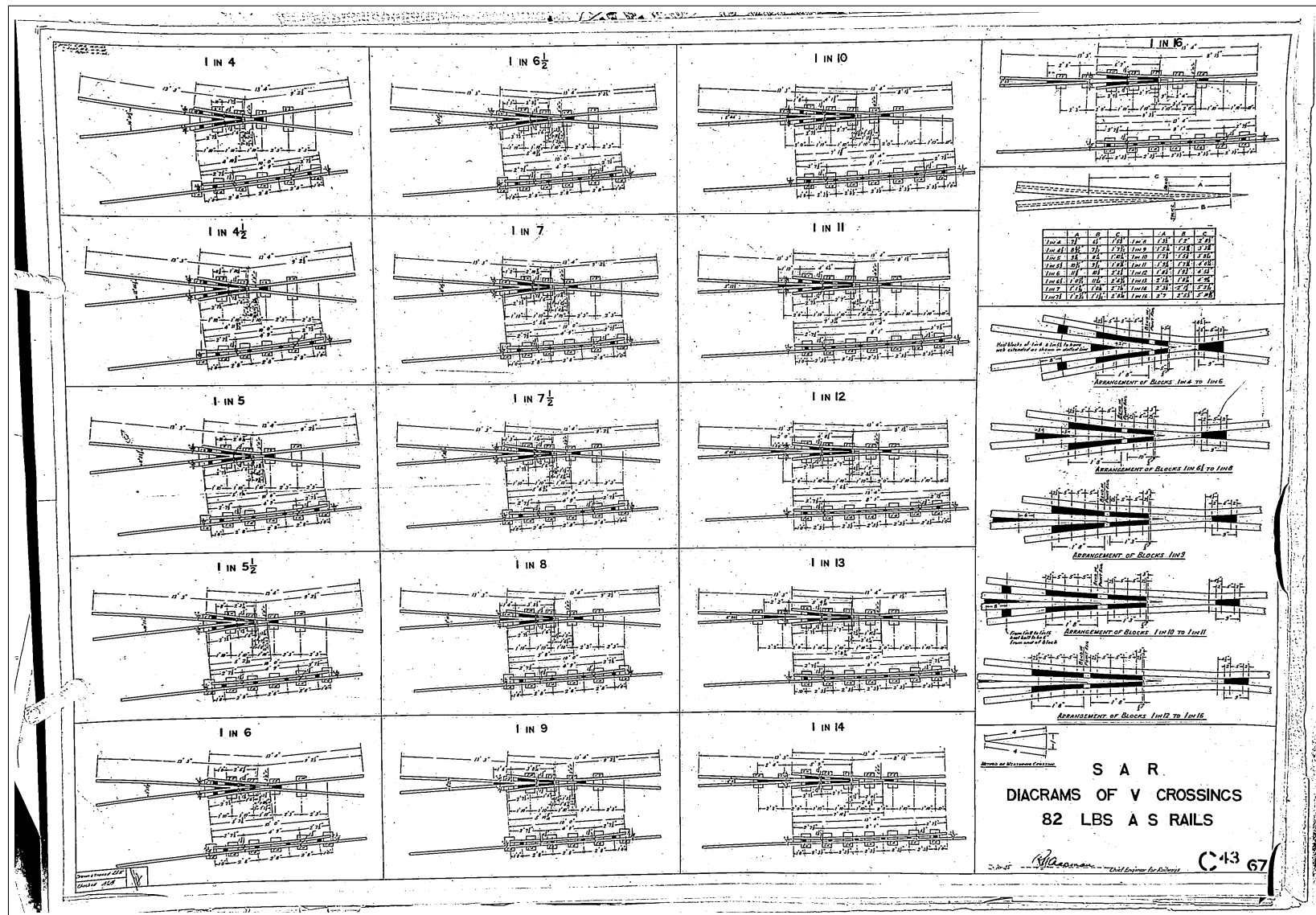
PlanId: C36/3



2.8 SAR 1 in 8 Double Compound 5'3" Gauge 90 and 90AS 15Ft Switches - Sheet 2 of 2 - C38/69

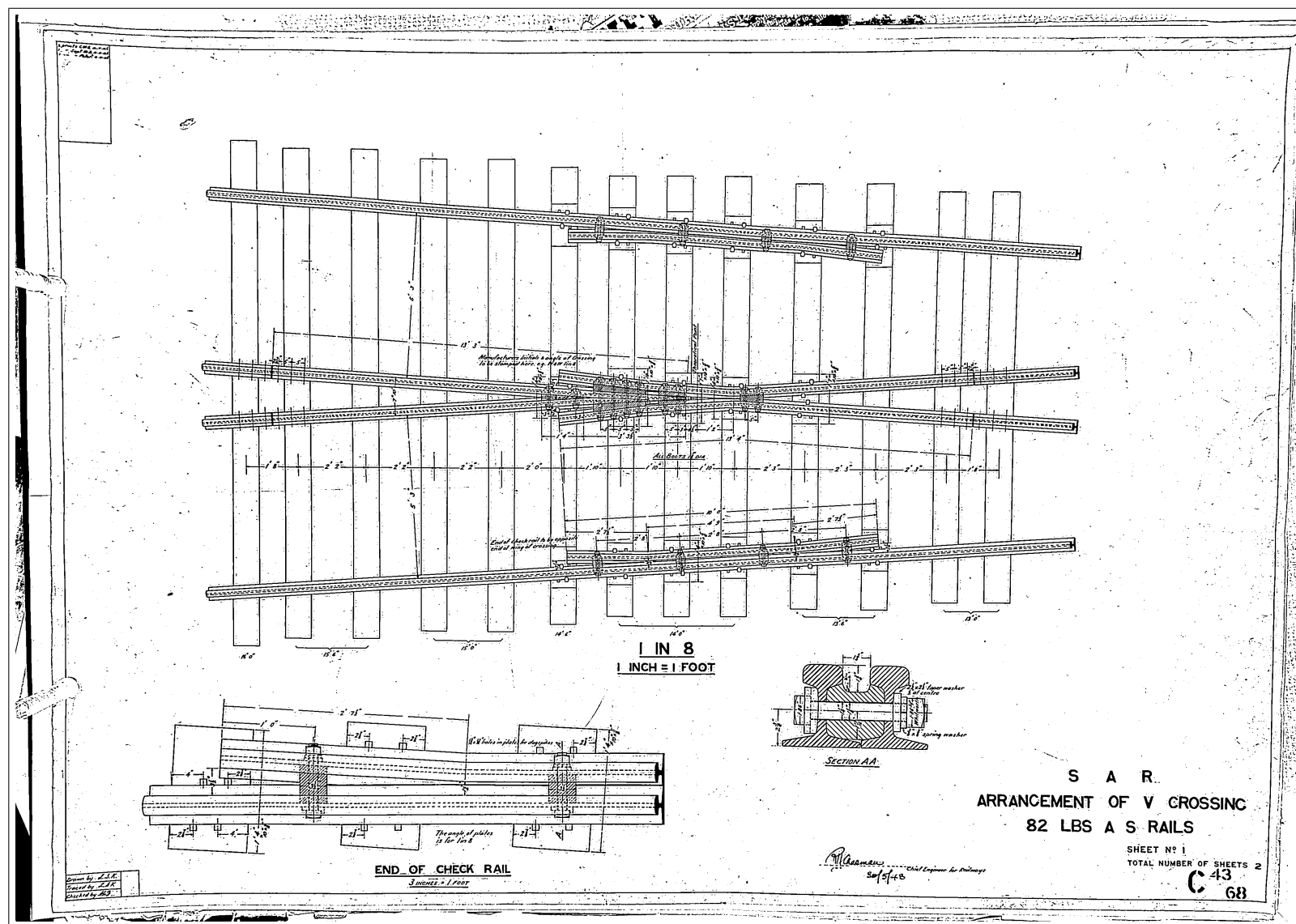


2.9 SAR Diagrams of V Crossings 82LBS AS Rails - C43/67



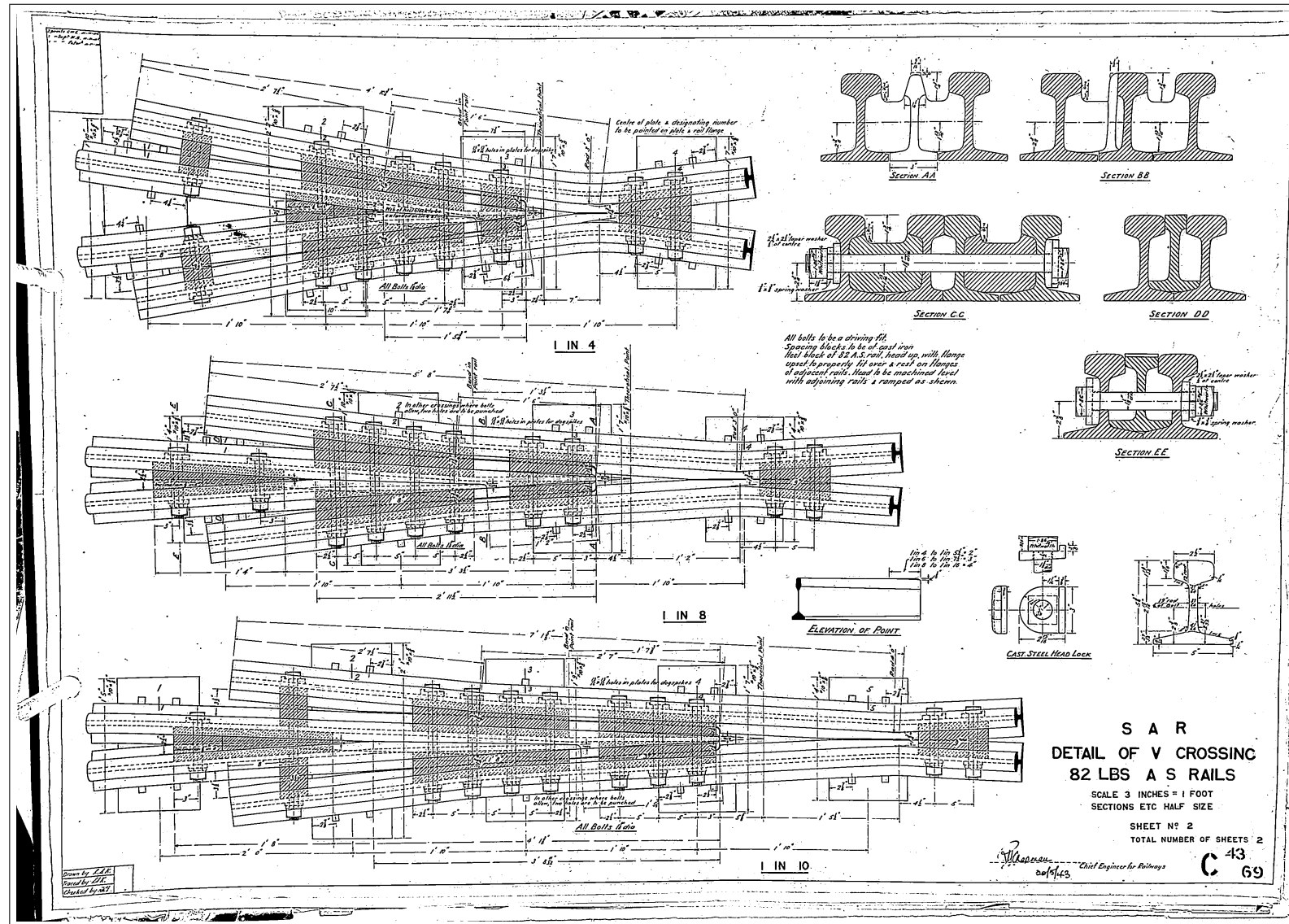
PlanId: C43/67

2.10 SAR Arrangement of V Crossings 82LBS AS Rails - Sheet 1 of 2 - C43/68



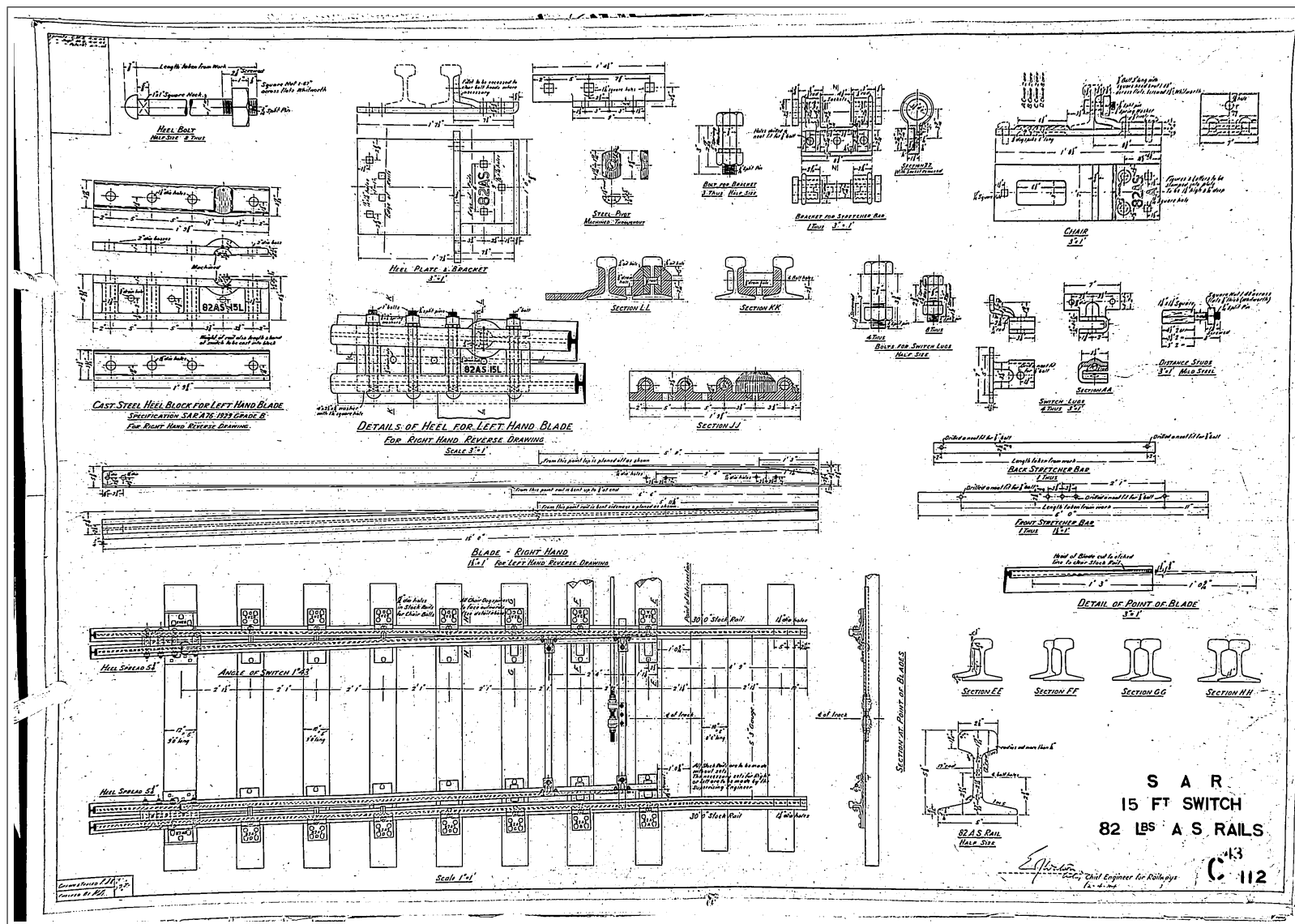
PlanId: C43/68

2.11 SAR Arrangement of V Crossings 82LBS AS Rails - Sheet 2 of 2 - C43/69



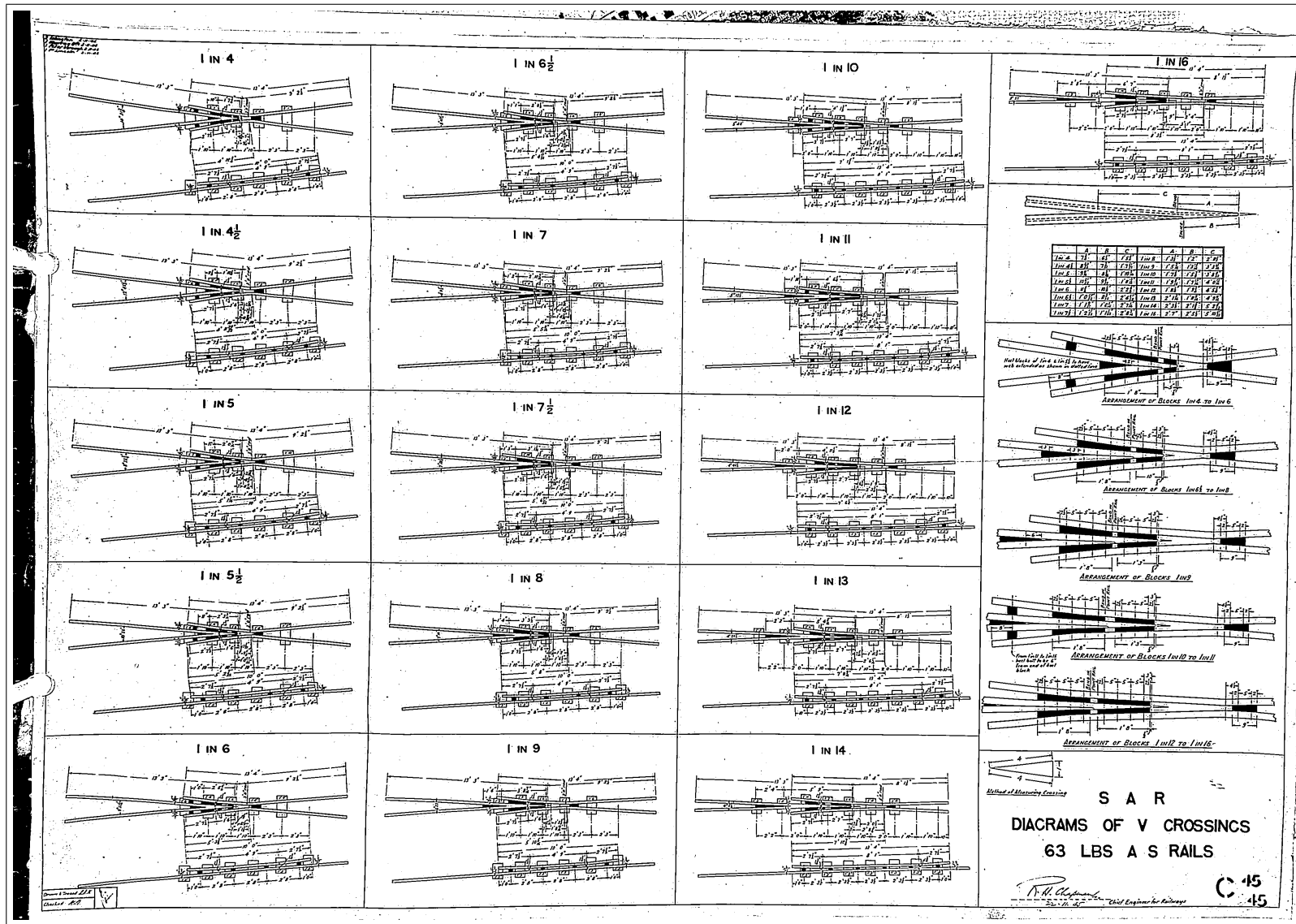
PlanId: C43/69

2.12 SAR 15Ft Switch 82LBS AS Rails - C43/112



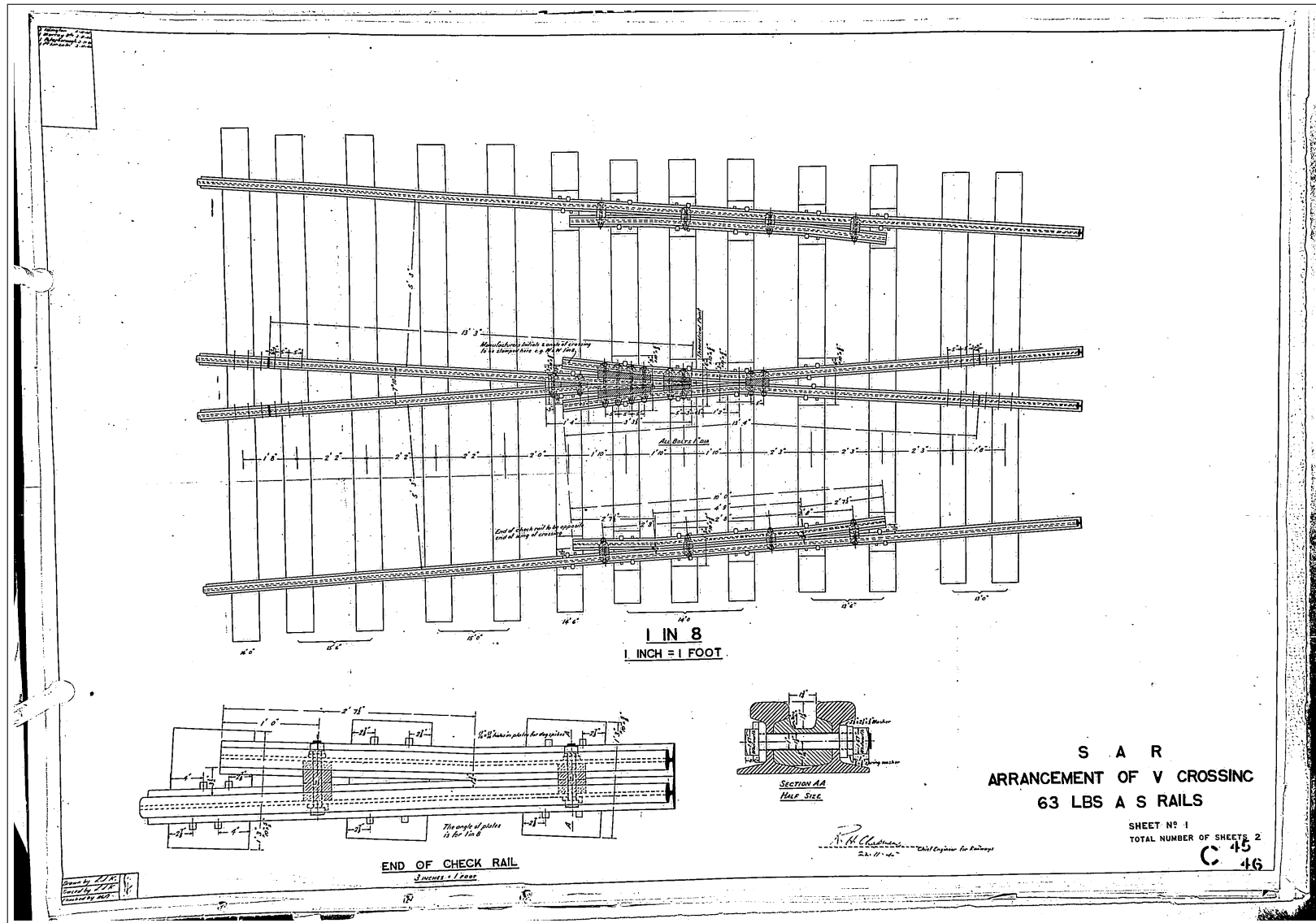
PlanId: C43/112

2.14 SAR Diagrams of V Crossings 63LBS AS Rails - C45/45



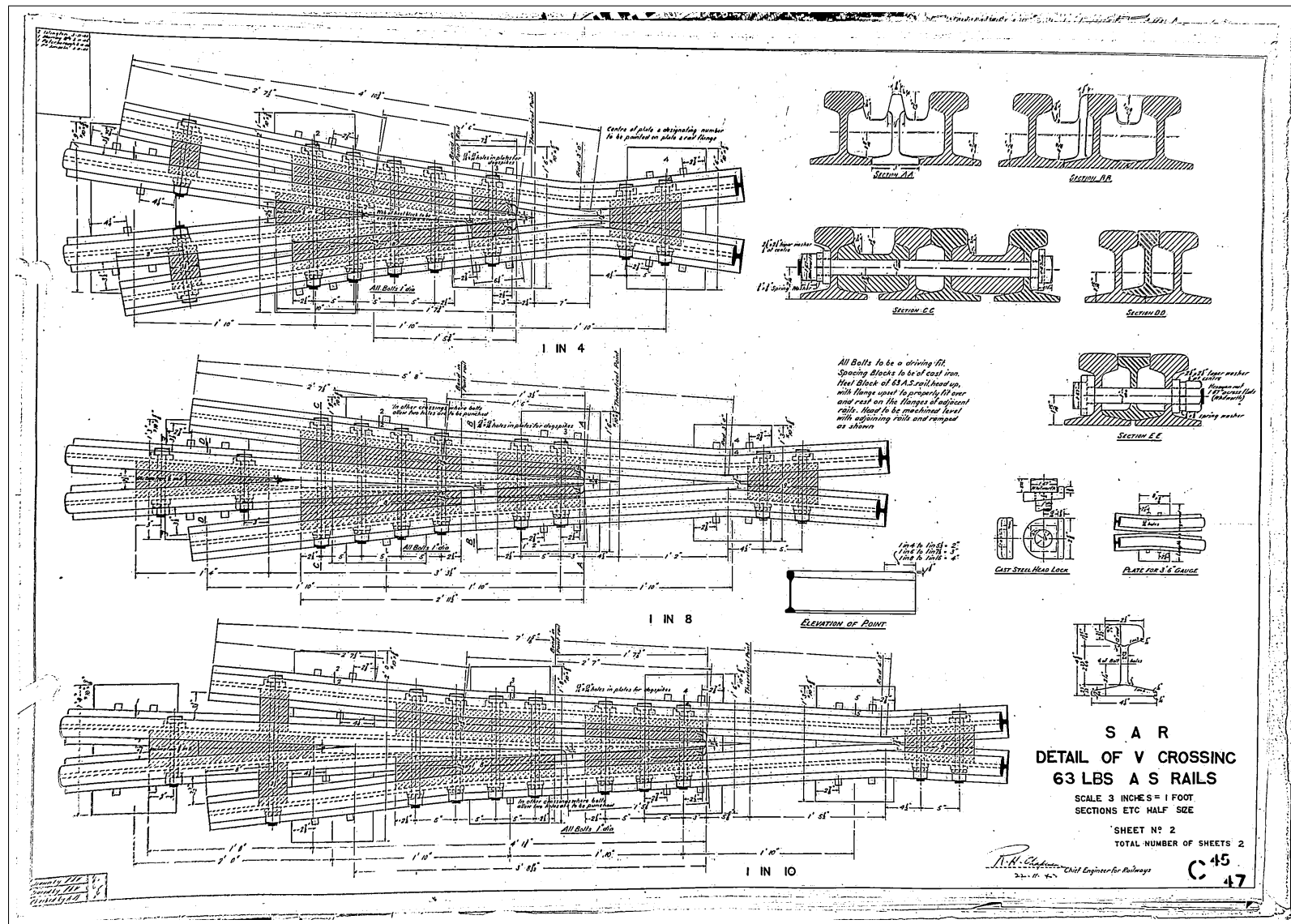
PlanId: C45/45

2.15 SAR Arrangement of V Crossings 63LBS AS Rails - Sheet 1 of 2 - C45/46



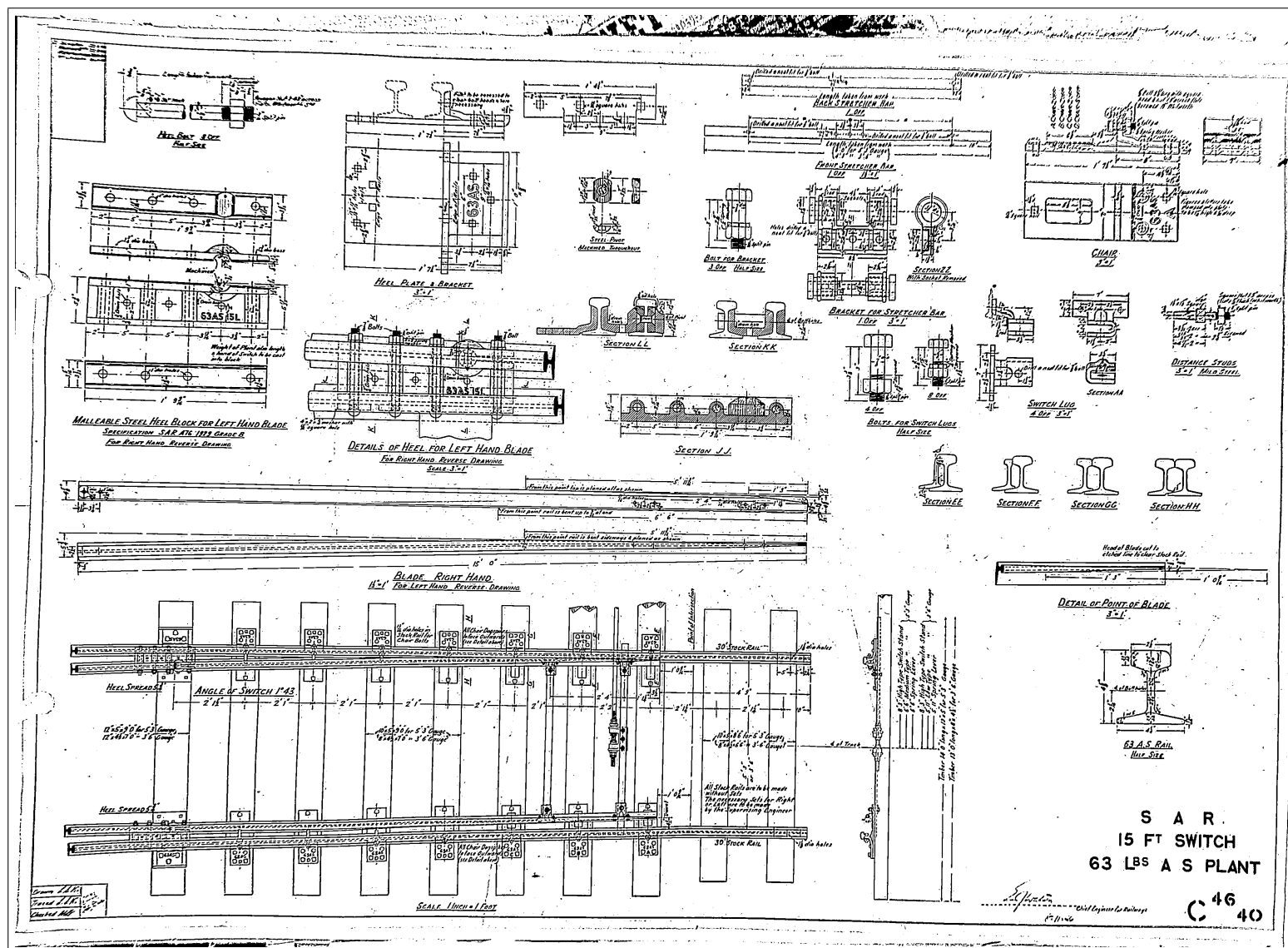
PlanId: C45/46

2.16 SAR Detail of V crossing 63LBS AS Rails - Sheet 2 of 2 - C45/47



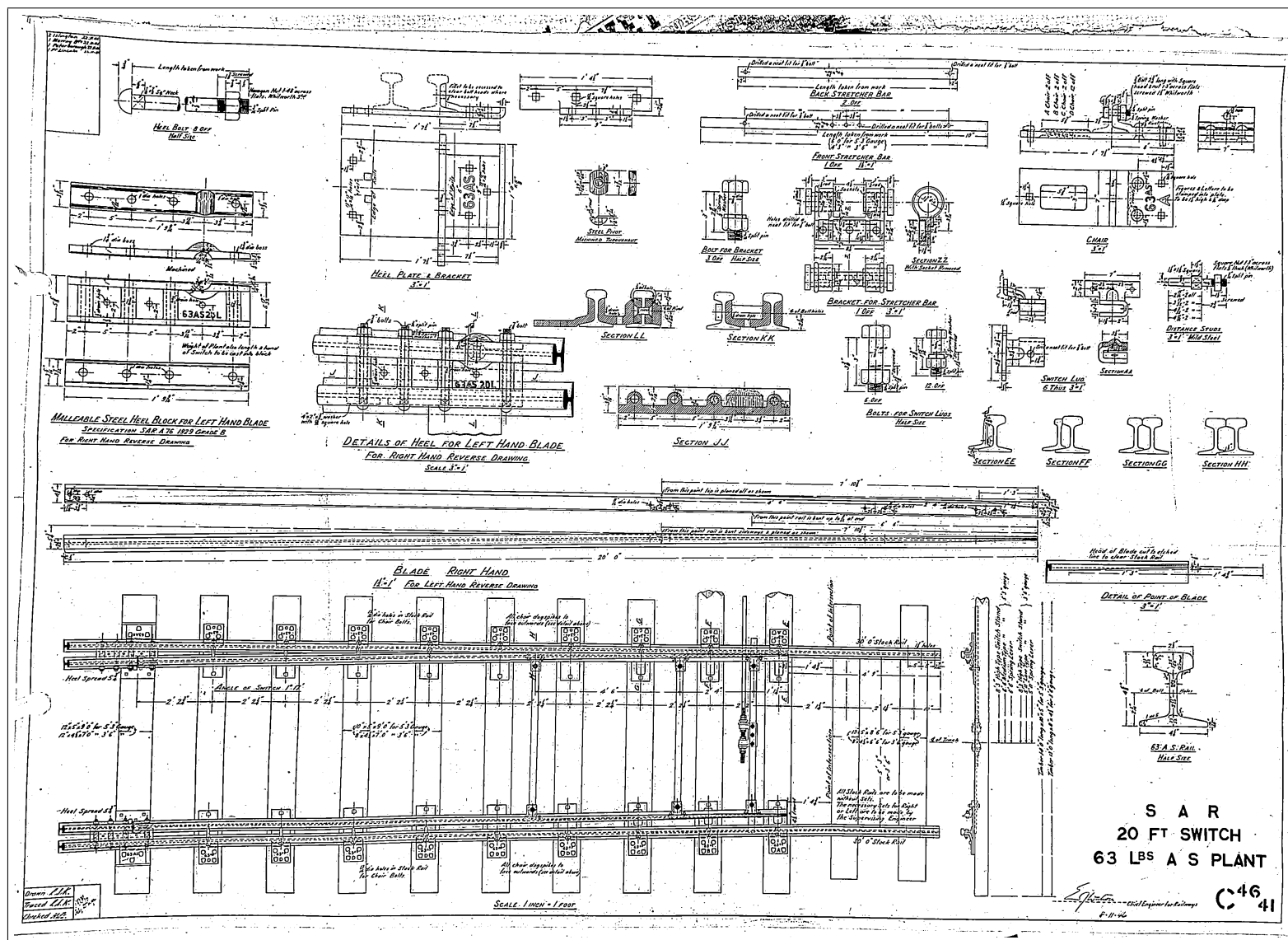
PlanId: C45/47

2.17 SAR 15Ft Switch 63LBS AS Plant - C46/40



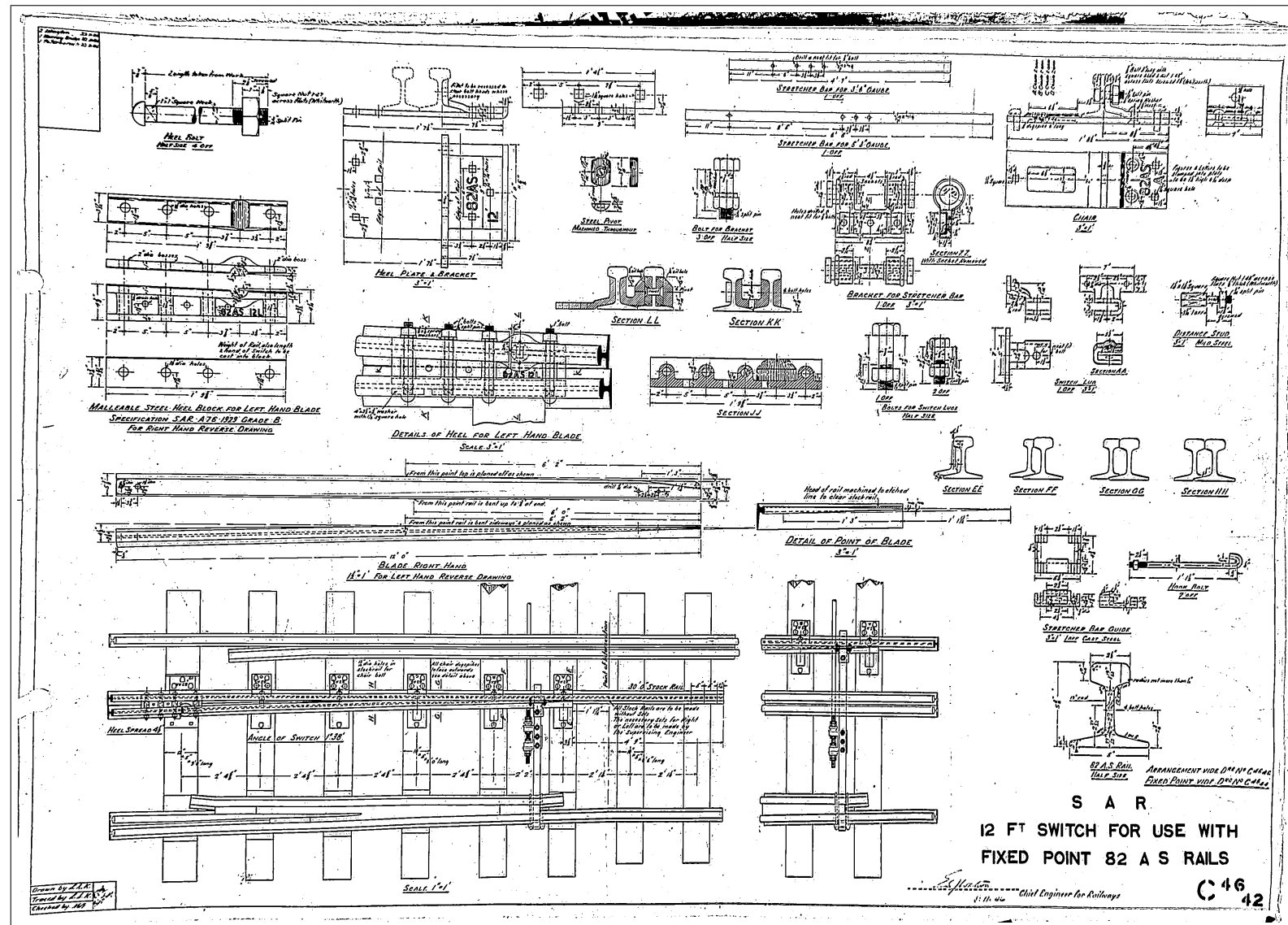
PlanId: C46/40

2.18 SAR 20Ft Switch 63LBS AS Plant - C46/41

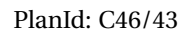


PlanId: C46/41

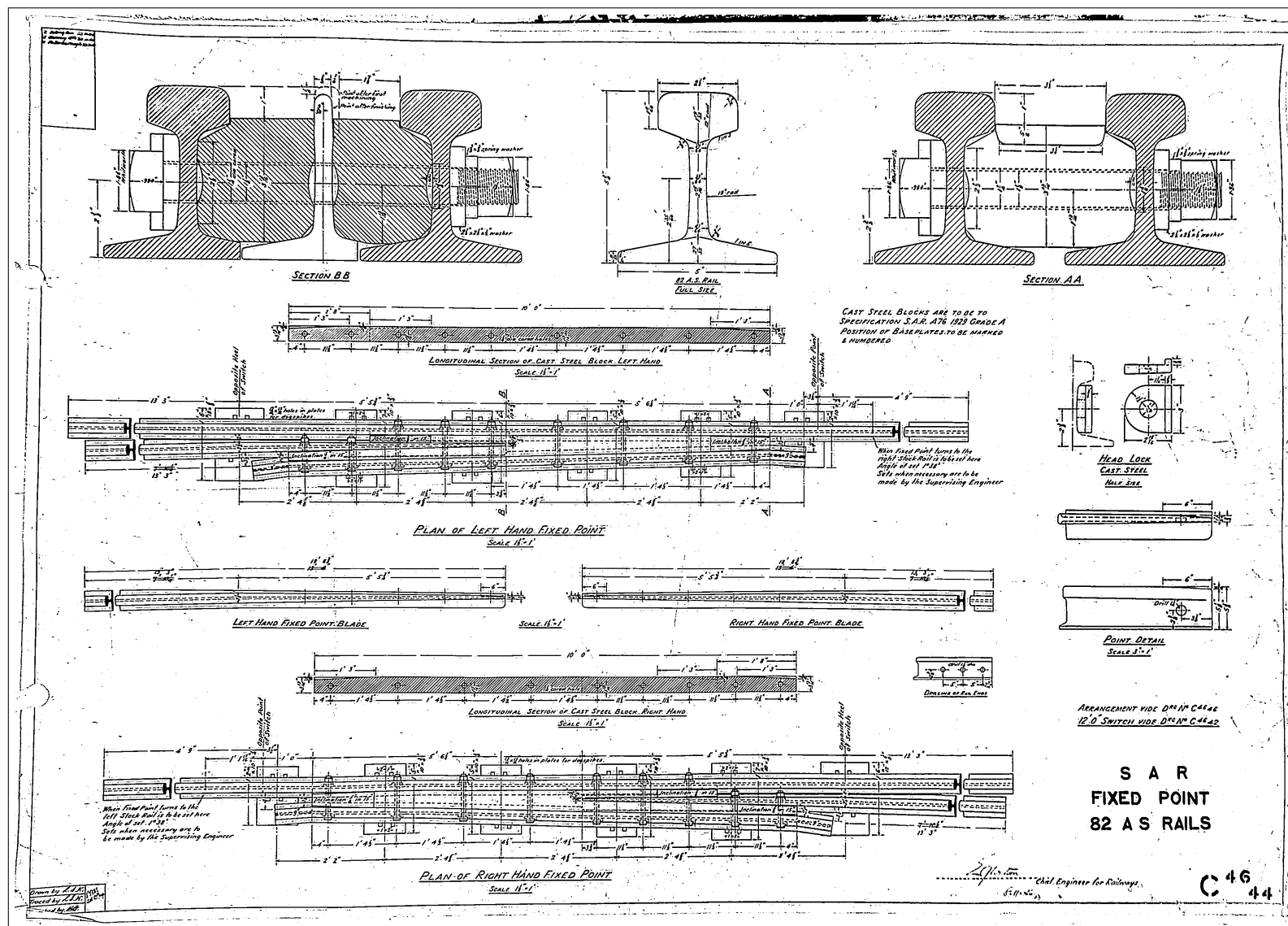
2.19 SAR 12Ft Switch For Use With Fixed Point 82AS Rails - C46/42



PlanId: C46/42

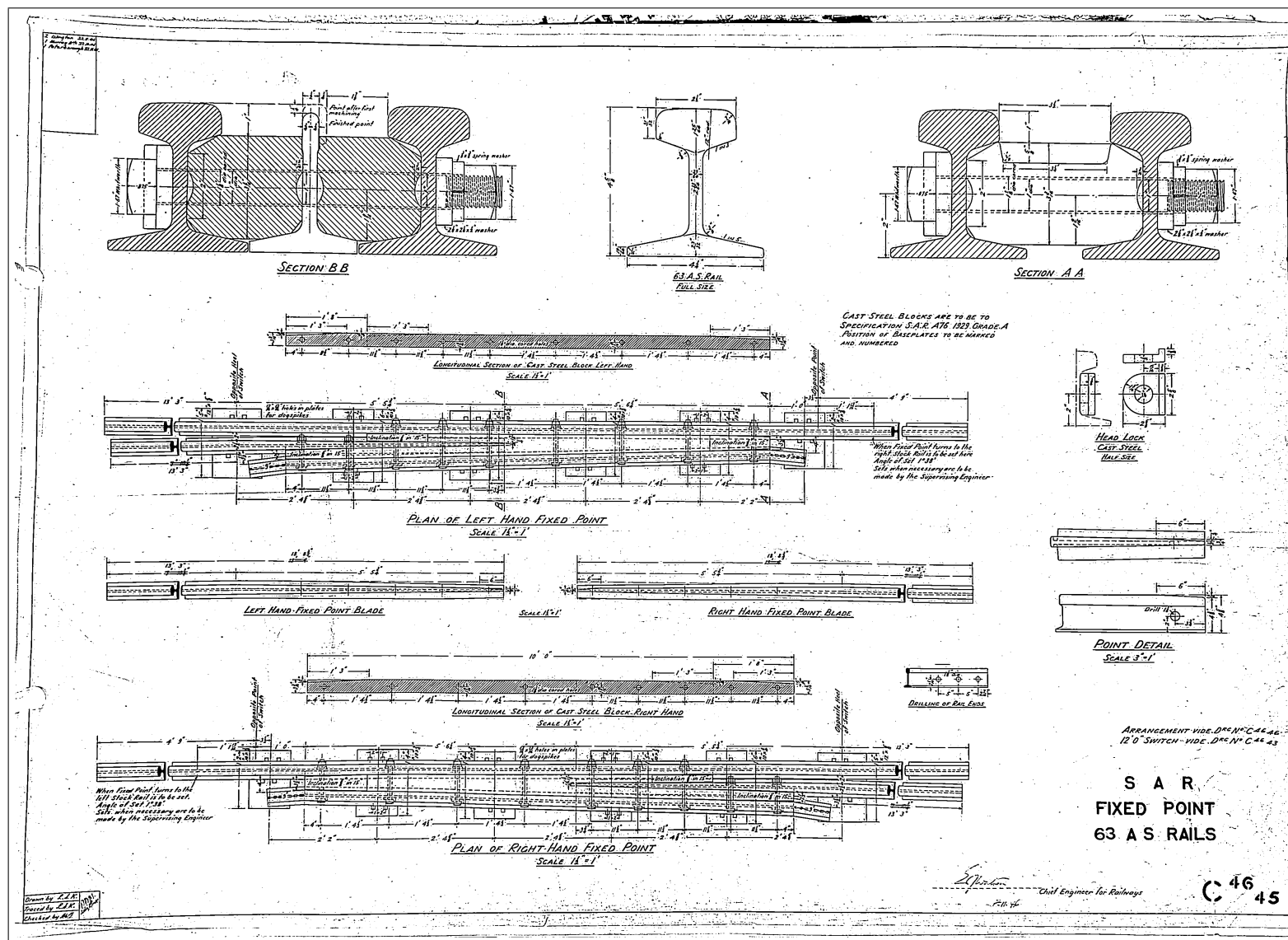


2.21 SAR Fixed Point 82AS Rails - C46/44



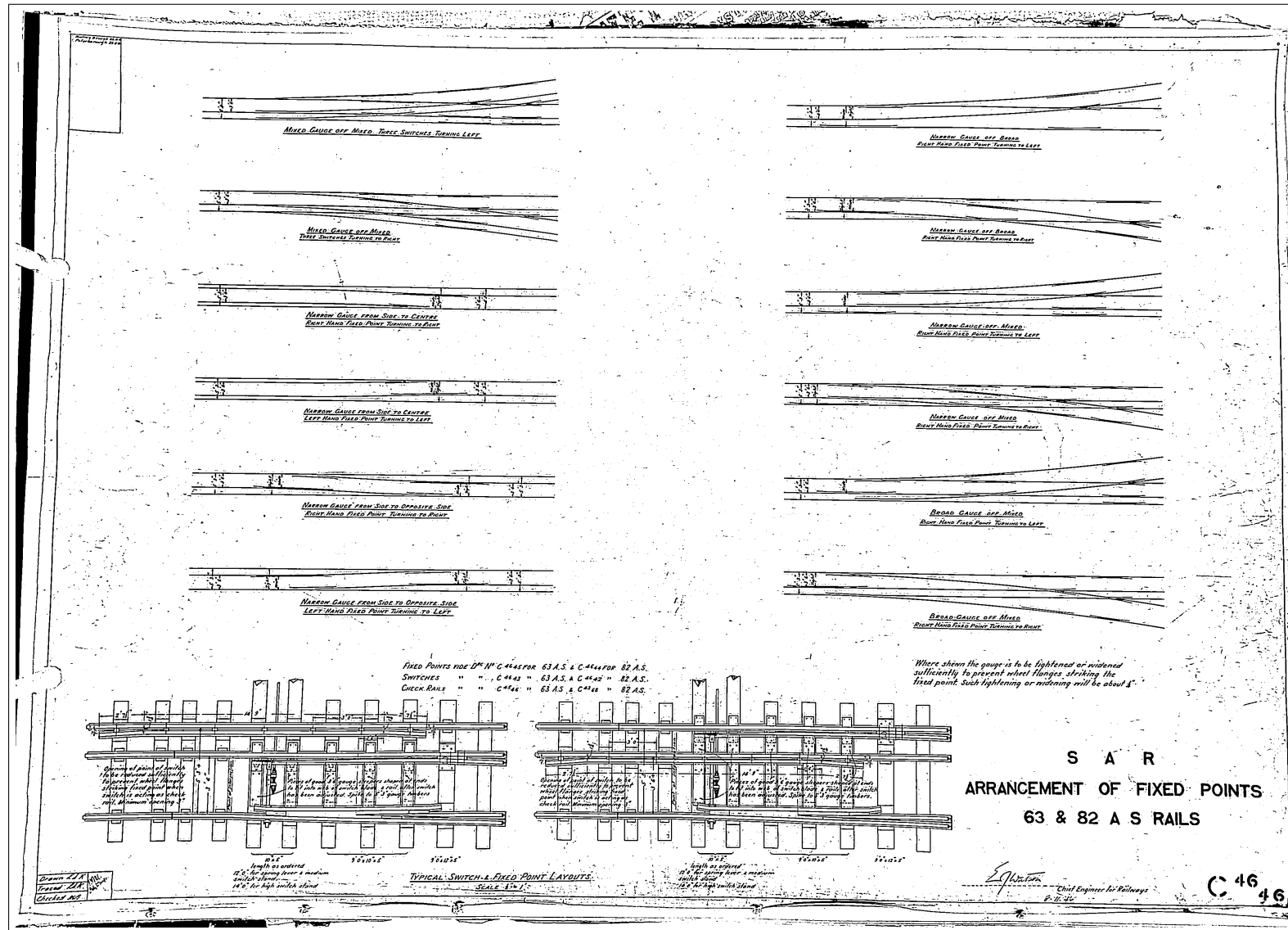
PlanId: C46/44

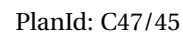
2.22 SAR Fixed Point 63AS Rails - C46/45



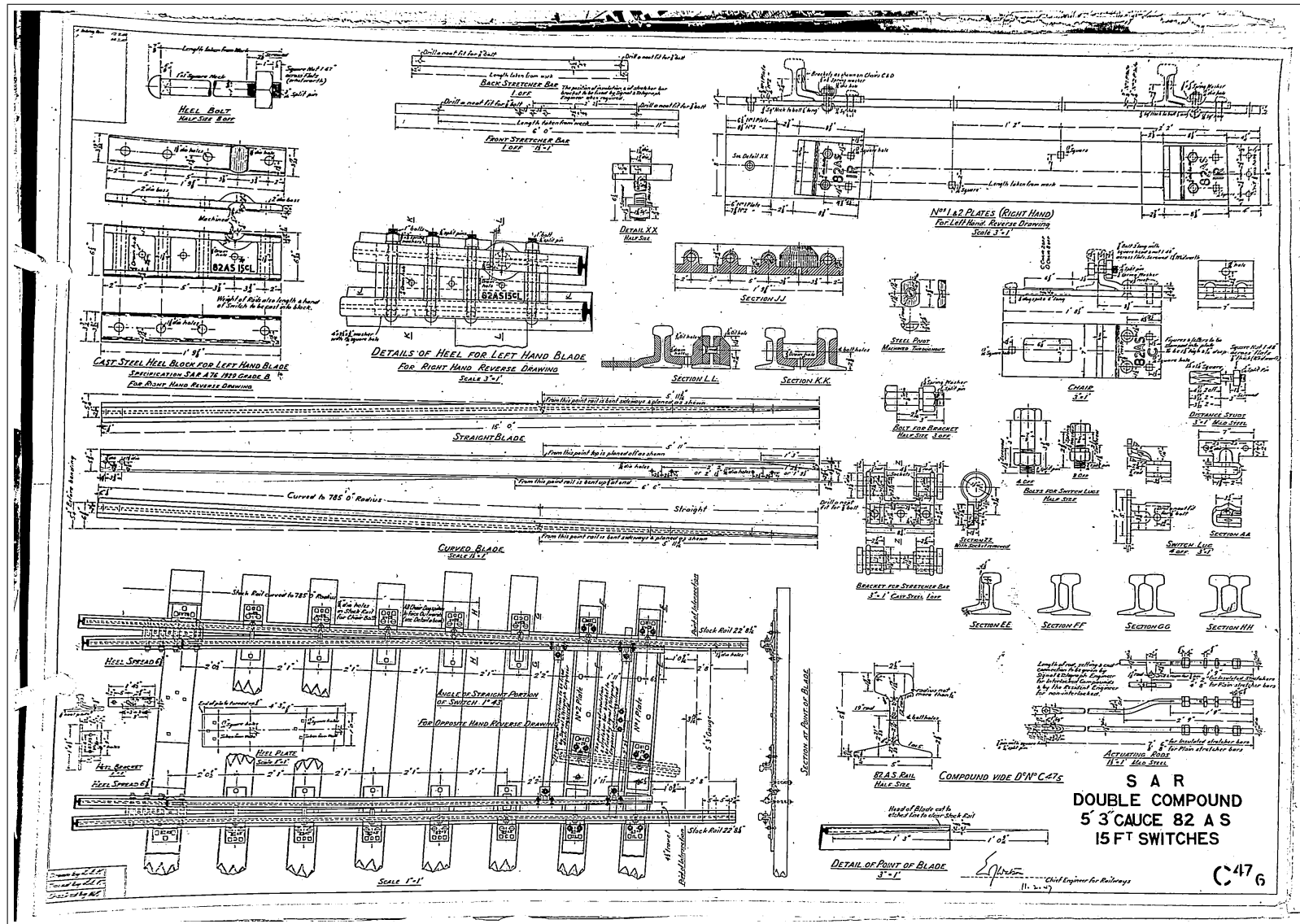
PlanId: C46/45

2.23 SAR Arrangement of Fixed Point 63 and 82AS Rails - C46/46

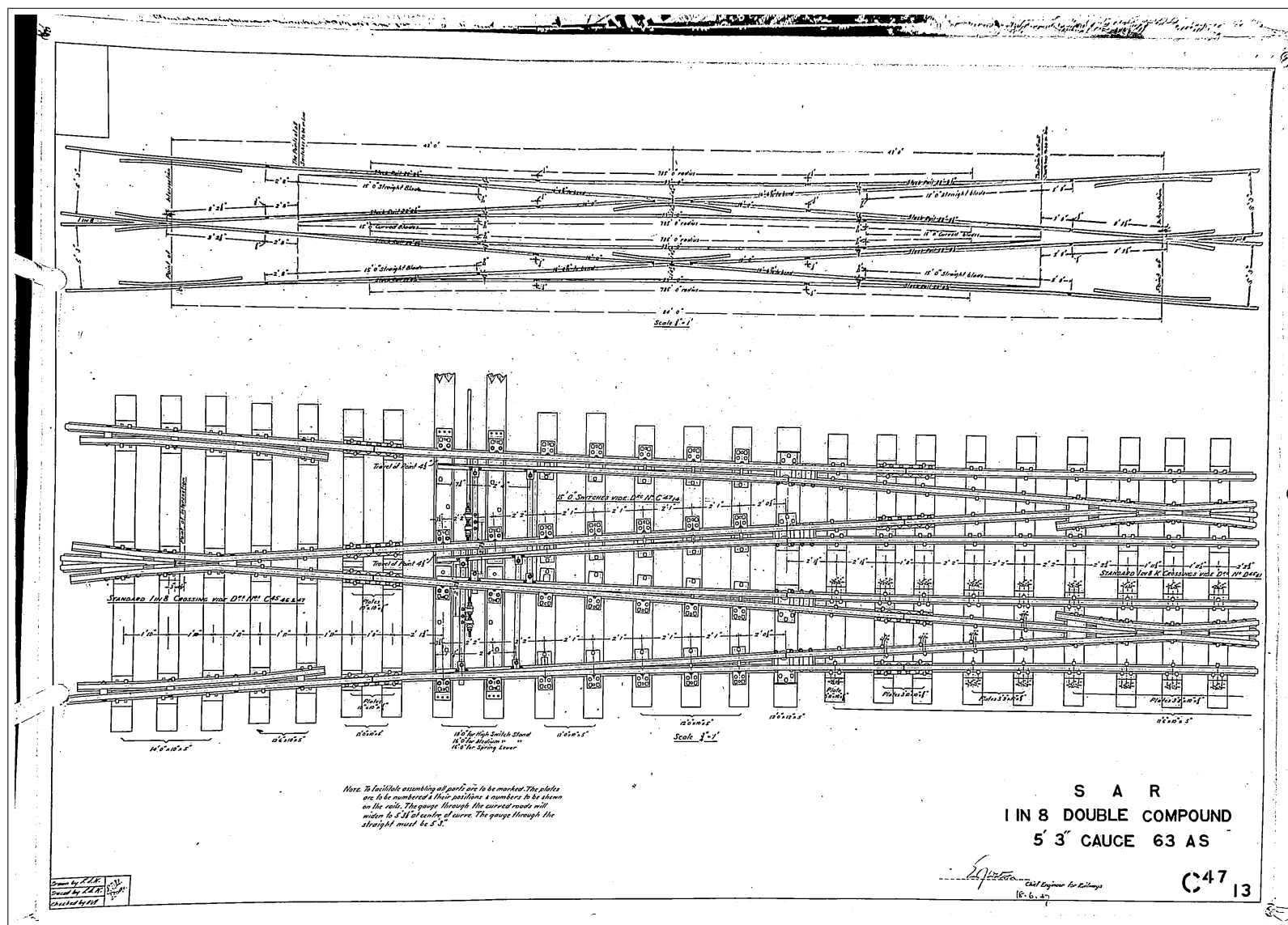




2.25 SAR Double Compound 5'3" Gauge 82AS 15Ft Switches - C47/6

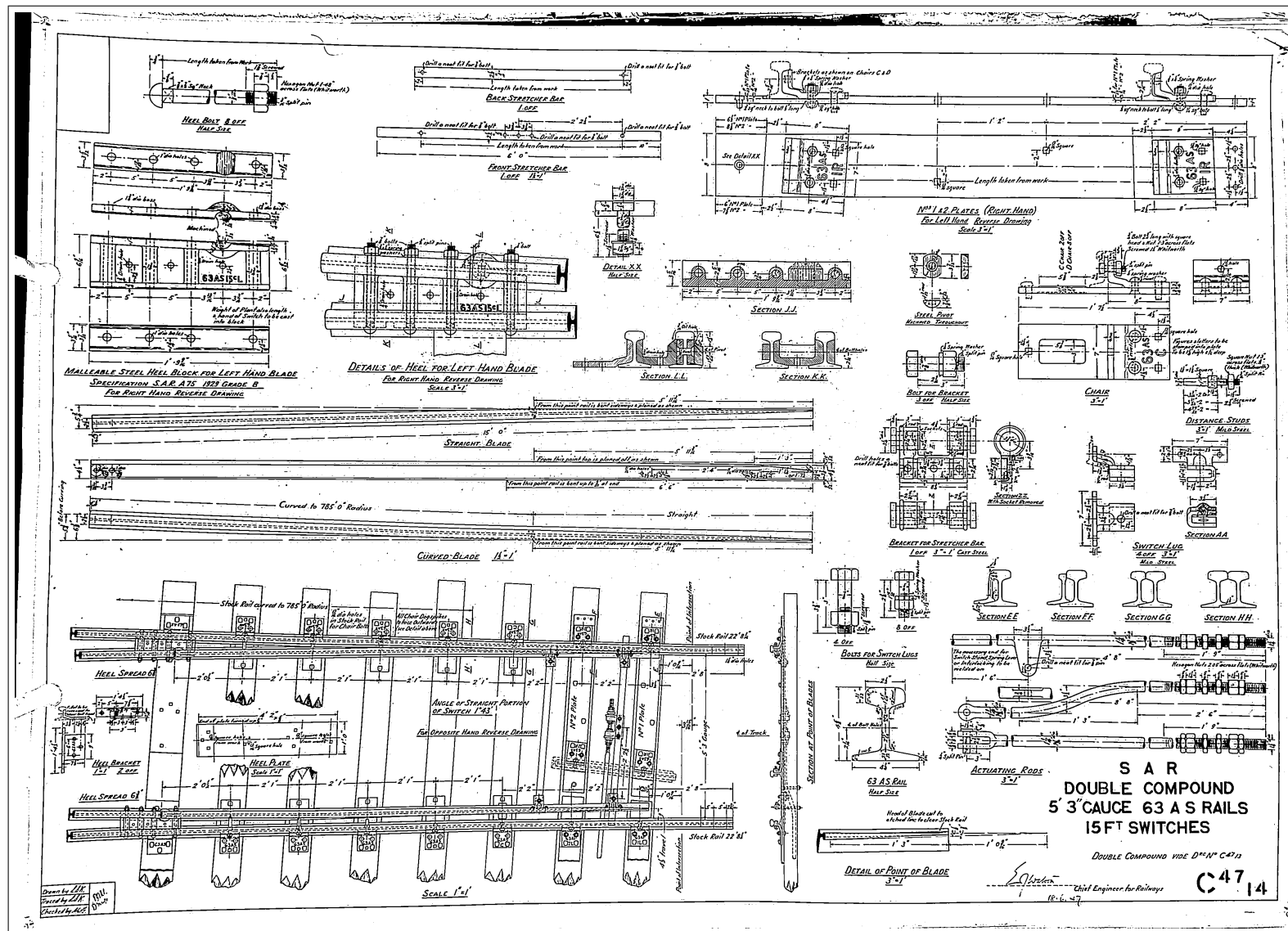


2.26 SAR 1 in 8 Double Compound 5'3" Gauge 63AS - C47/13

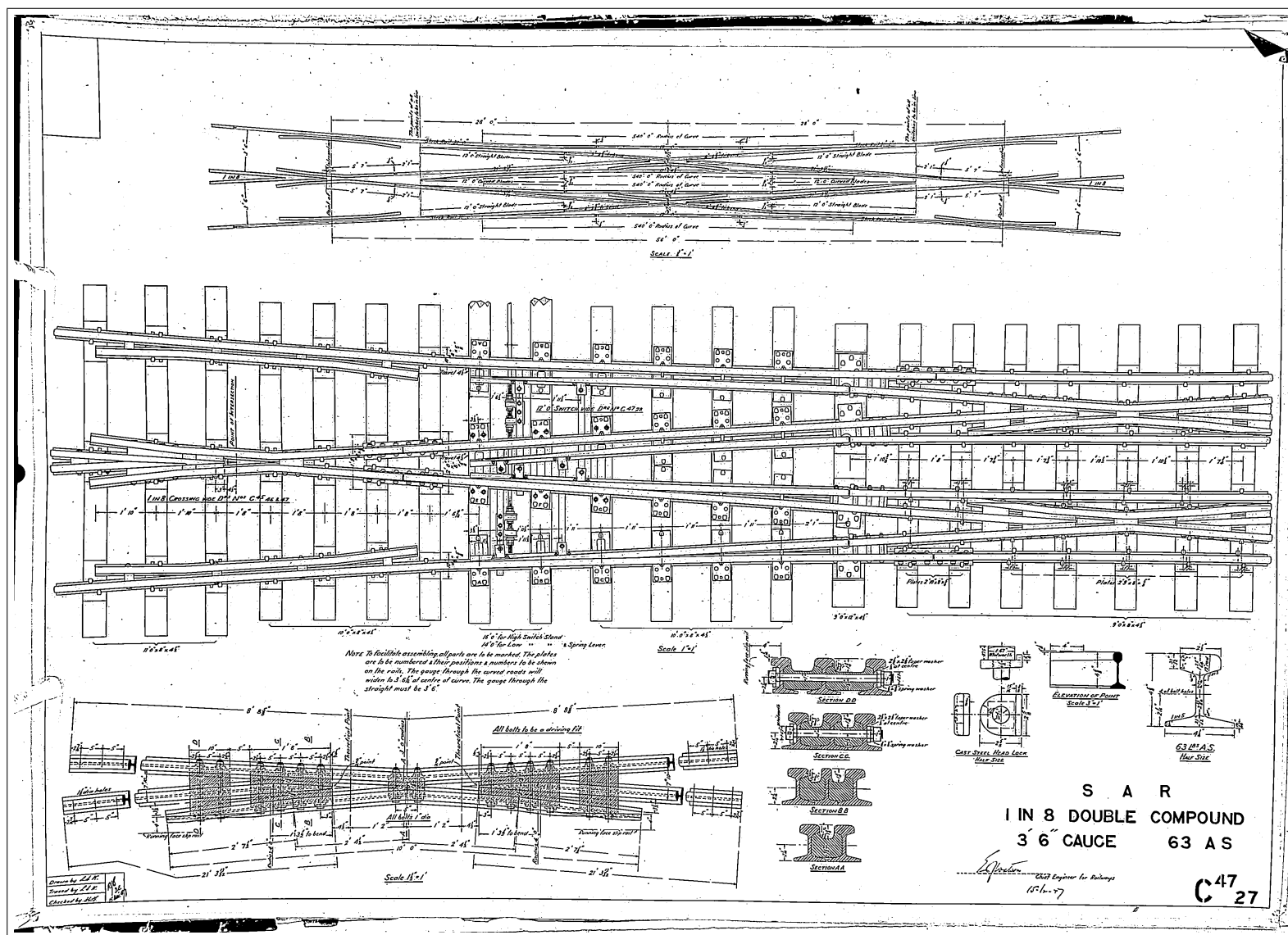


PlanId: C47/13

2.27 SAR Double Compound 5'3" Gauge 63AS 15Ft Switches - C47/14

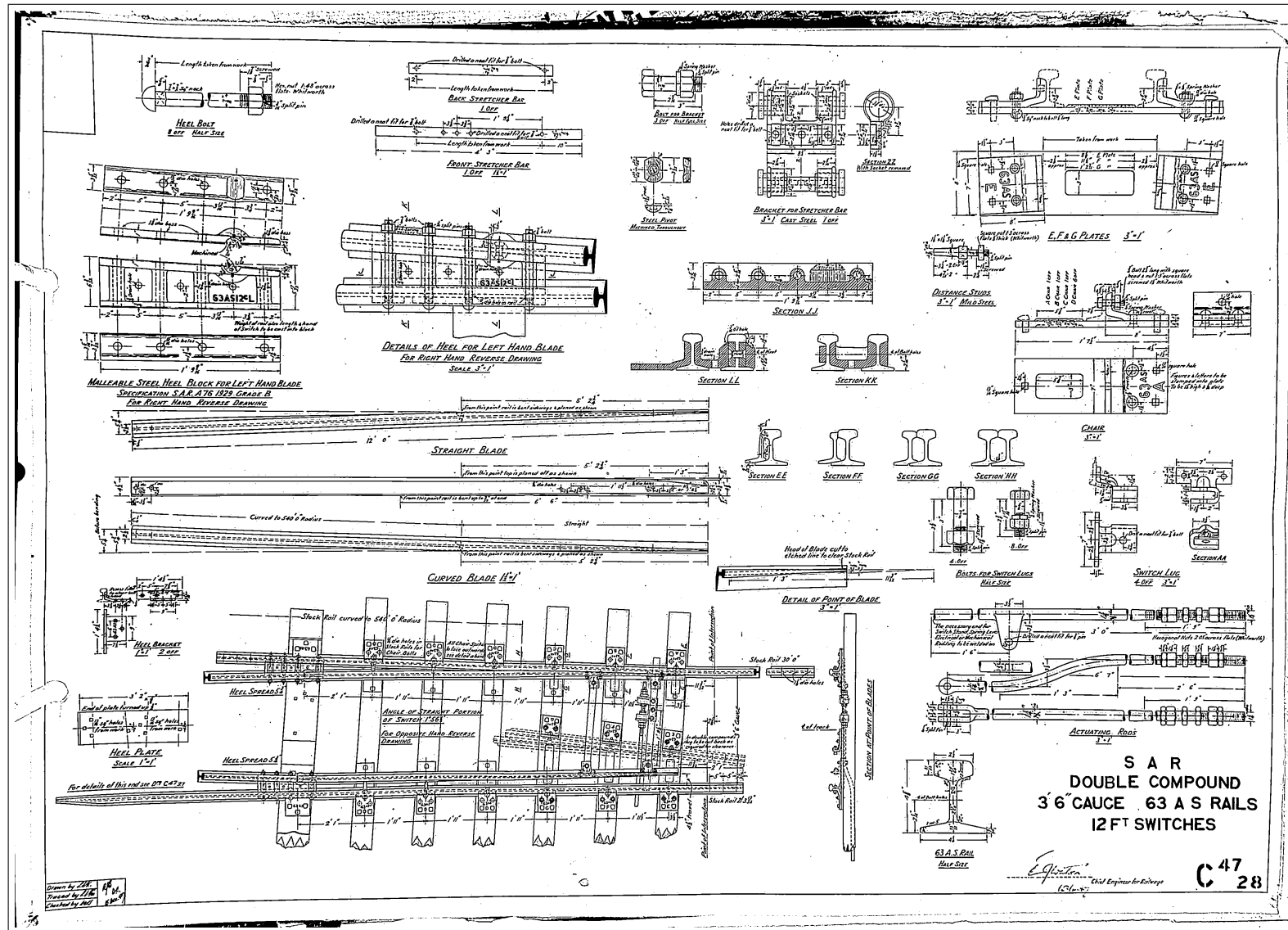


2.28 SAR 1 in 8 Double Compount 3'6" Gauge 63AS - C47/27

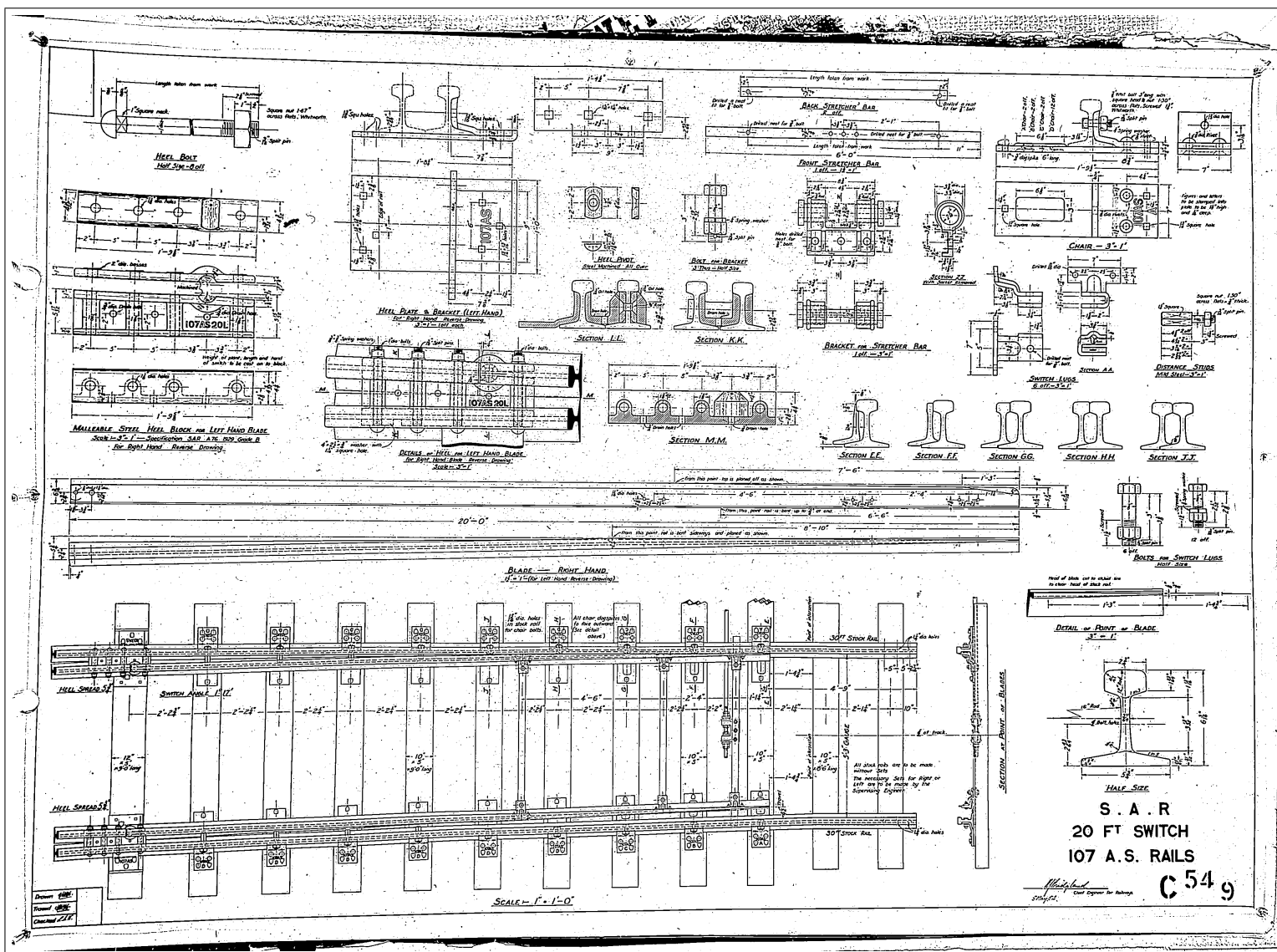


PlanId: C47/27

2.29 SAR Double Compound 3'6" Gauge 63AS Rails 12 Ft Switches - C47/28

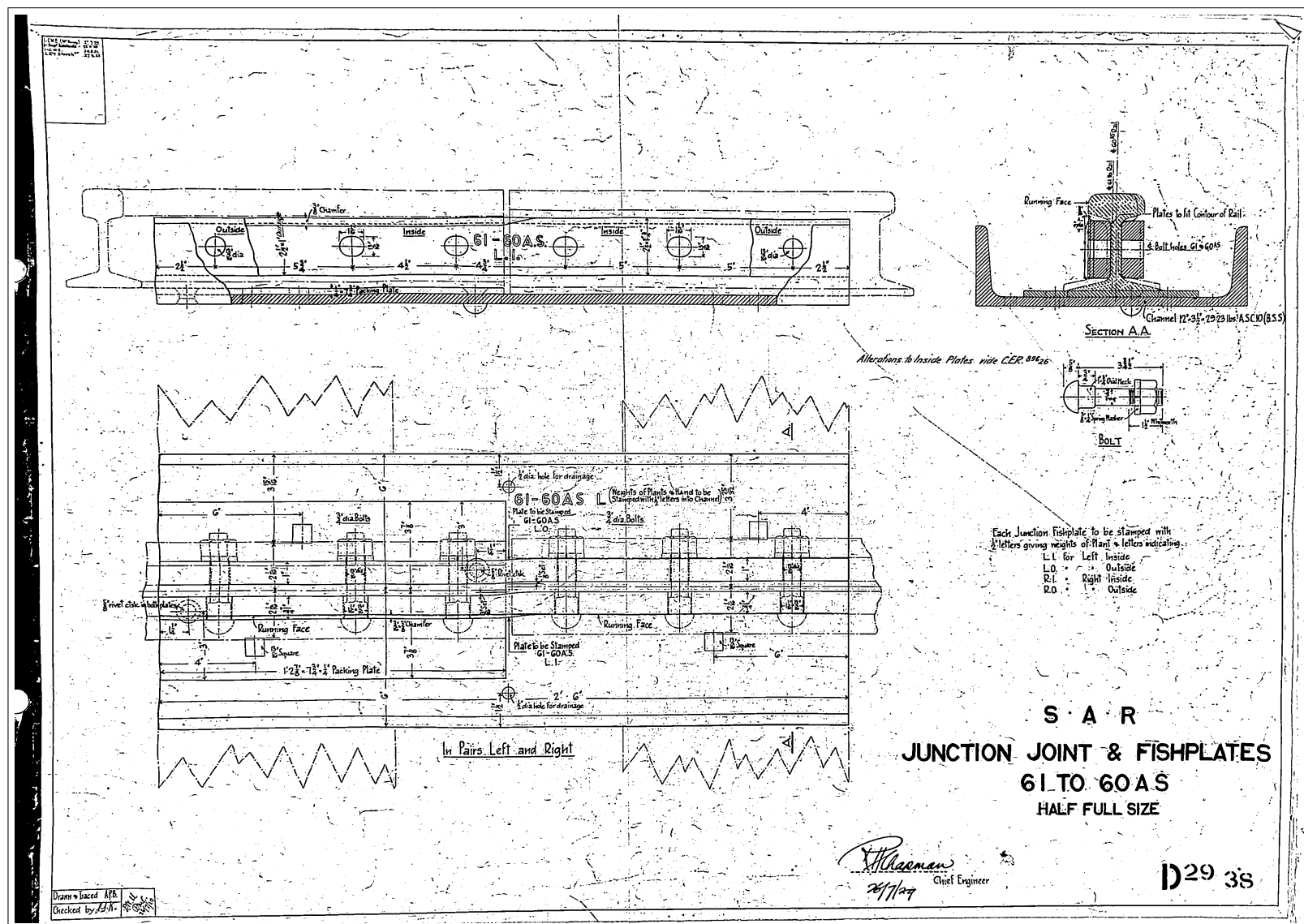


2.30 SAR 20Ft Switch 107AS Rails - C54/9



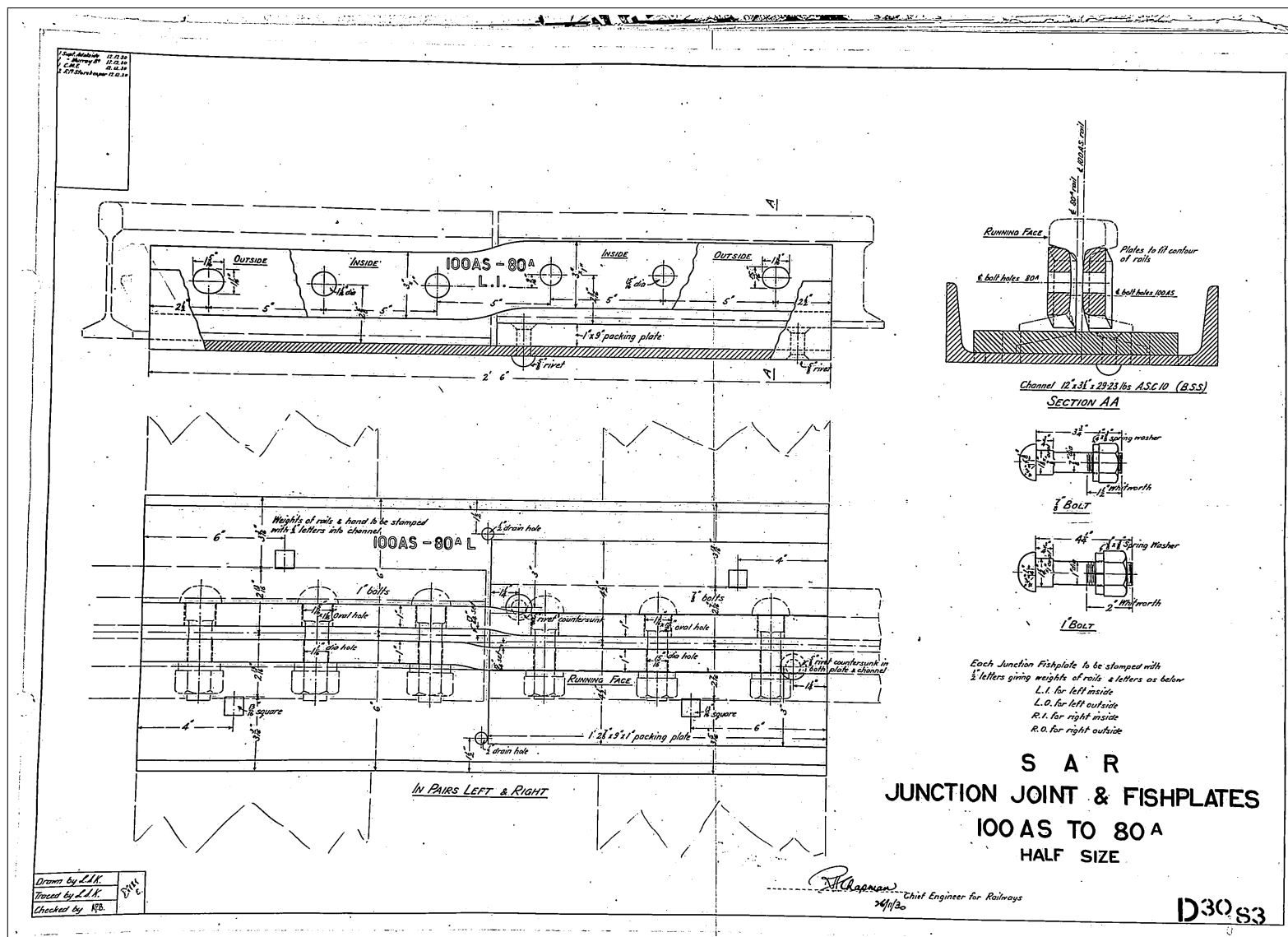
PlanId: C54/9

2.32 SAR Junction Joint and Fishplates 61 to 60AS Half Full Size - D29/38

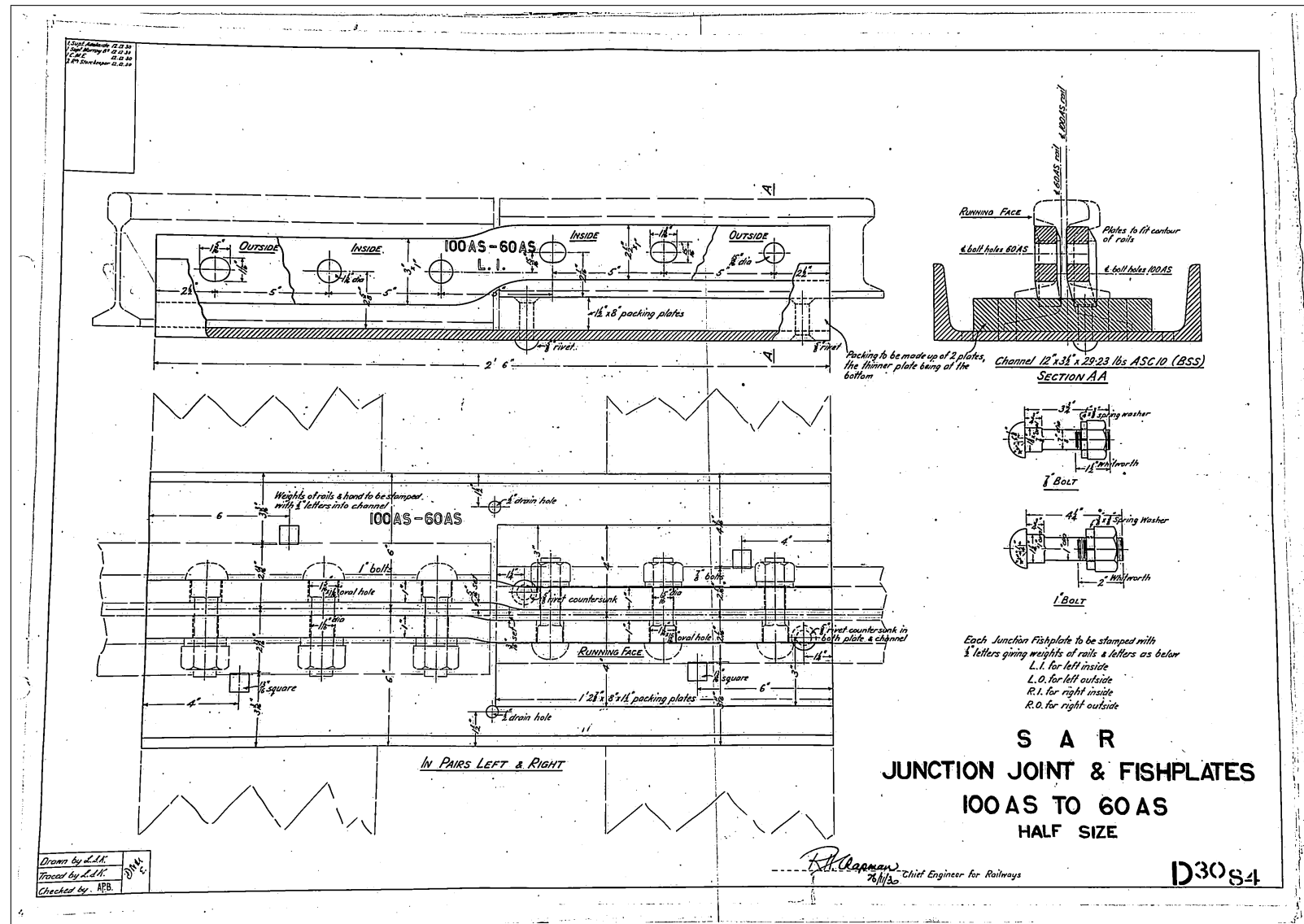


PlanId: D29/38

2.34 SAR Junction Joint and Fishplates 100AS to 80A Half Size - D30/83

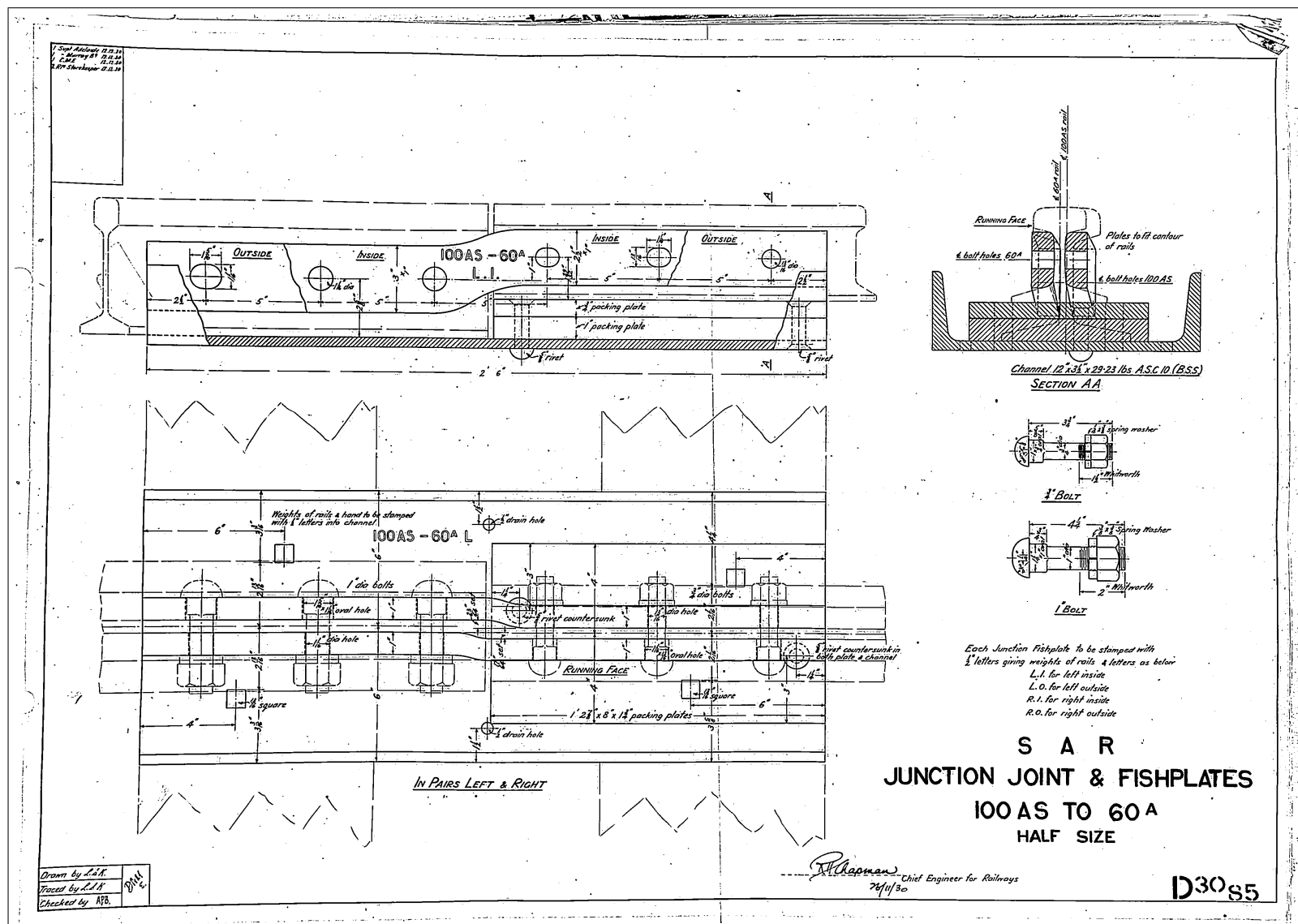


2.35 SAR Junction Joint and Fishplates 100AS to 60AS Half Size - D30/84

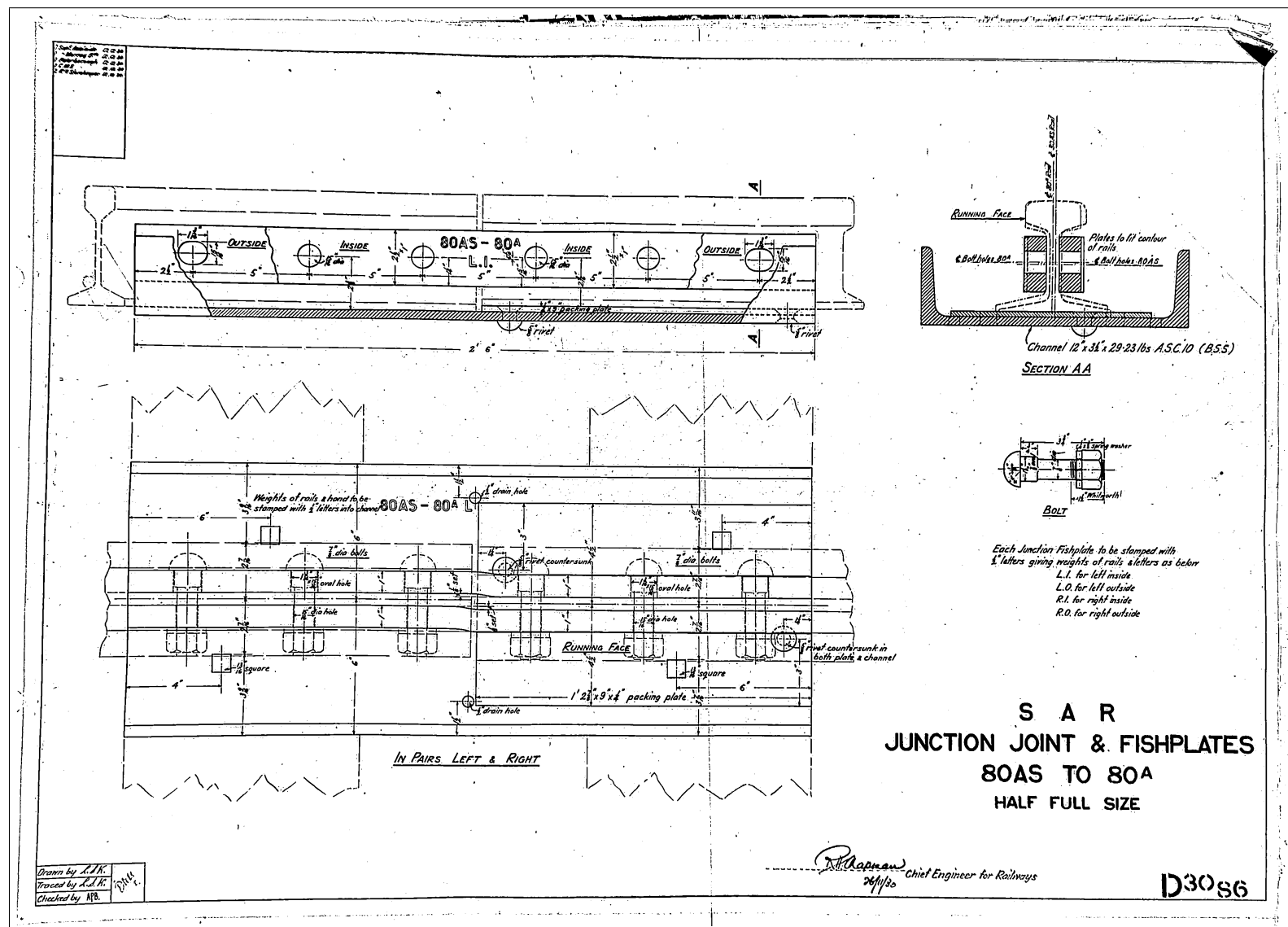


PlanId: D30/84

PlanId: D30/85

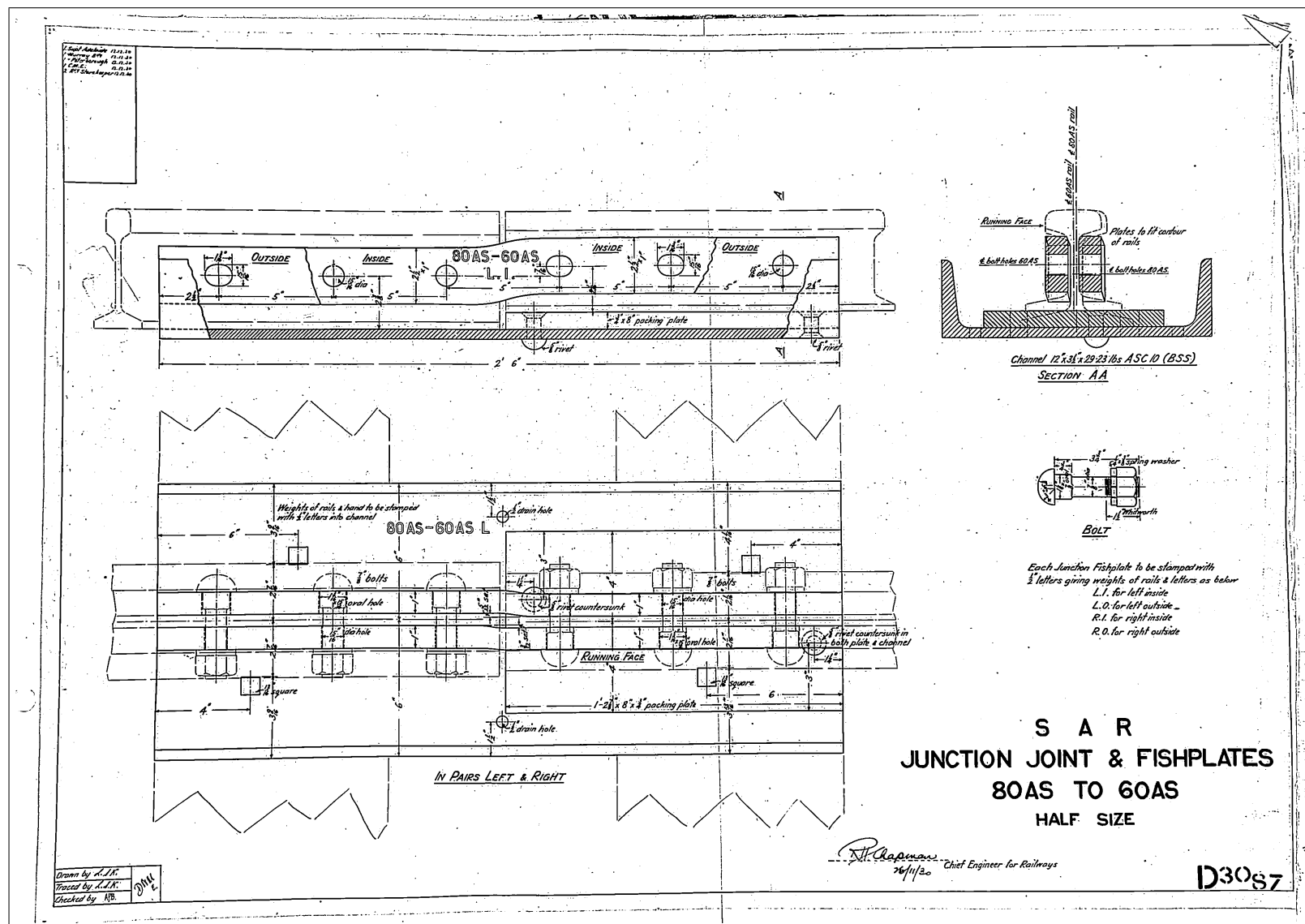


2.37 SAR Junction Joint and Fishplates 80AS to 80A Half Size - D30/86



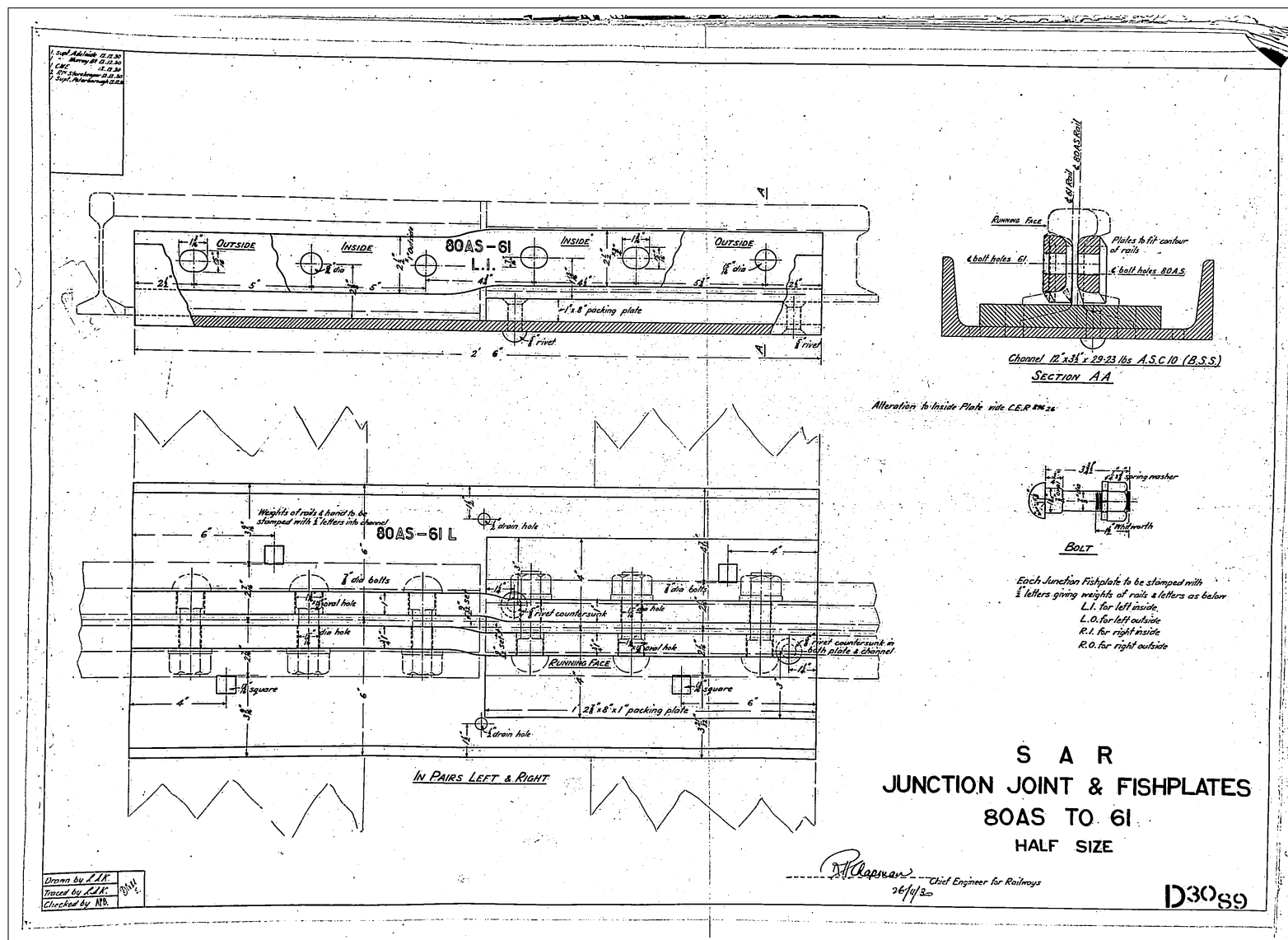
PlanId: D30/86

2.38 SAR Junction Joint and Fishplates 80AS to 60AS Half Size - D30/87



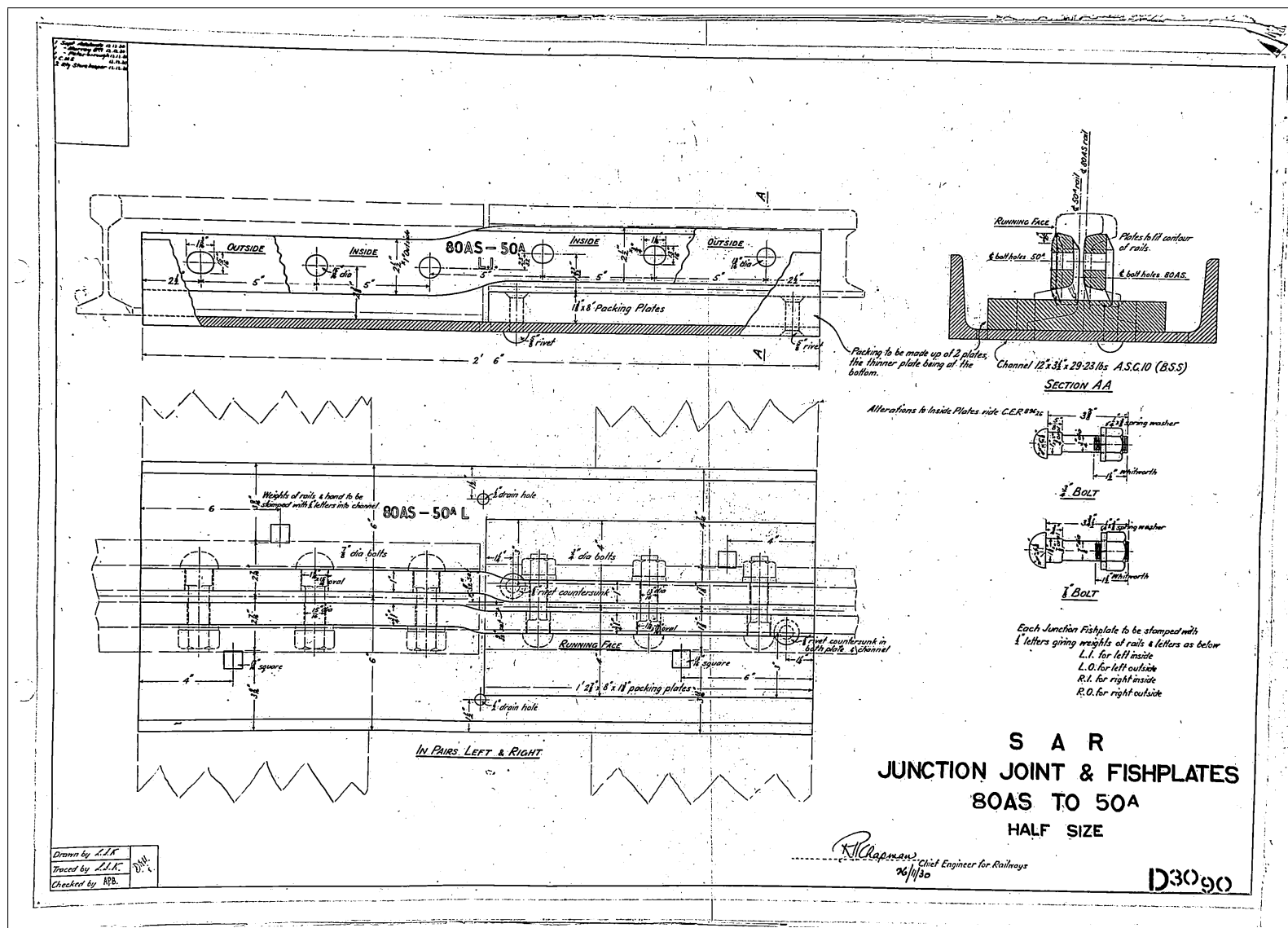
PlanId: D30/87

2.40 SAR Junction Joint and Fishplates 80AS to 61 Half Size - D30/89



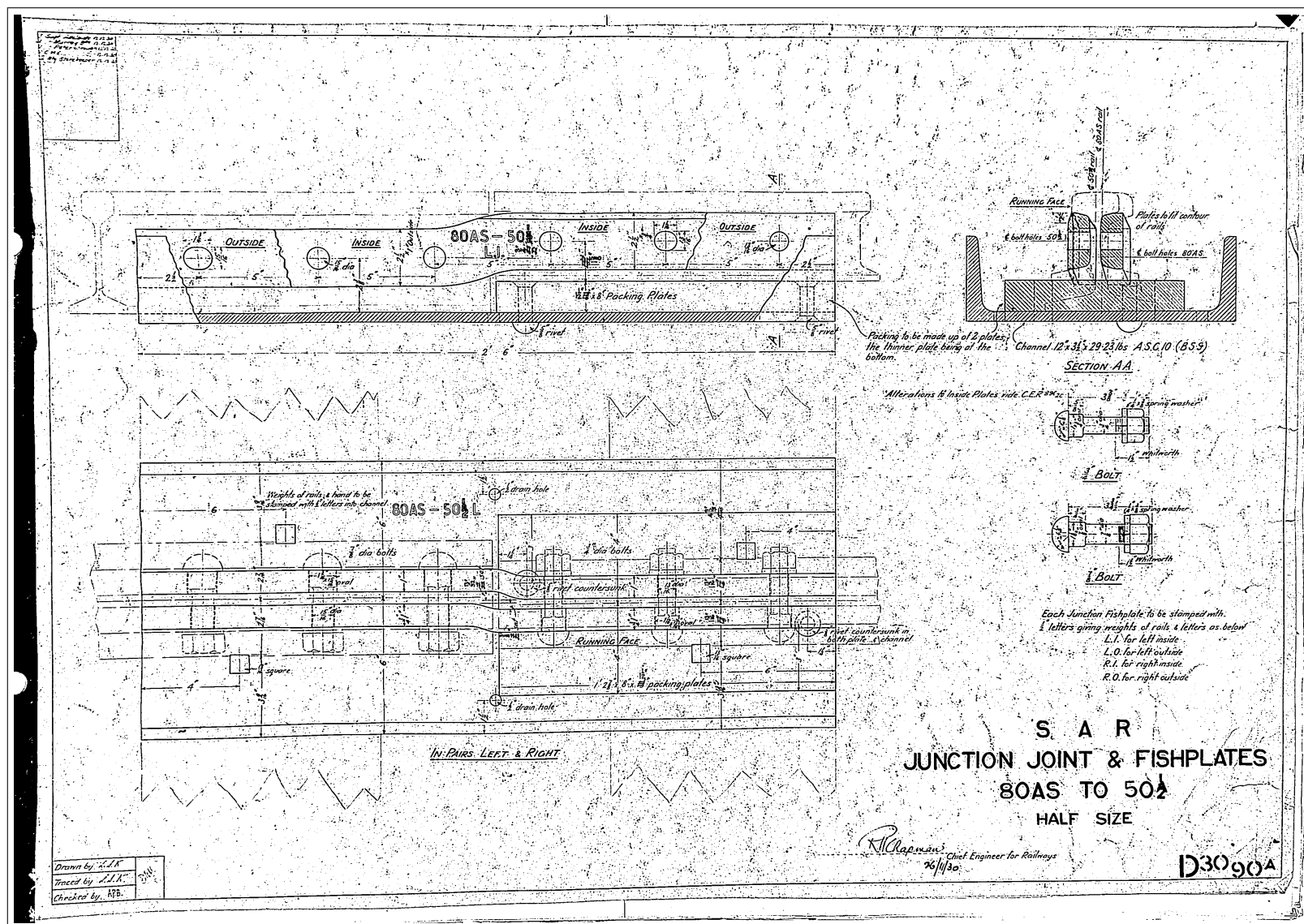
PlanId: D30/89

2.41 SAR Junction Joint and Fishplates 80AS to 50A Half Size - D30/90

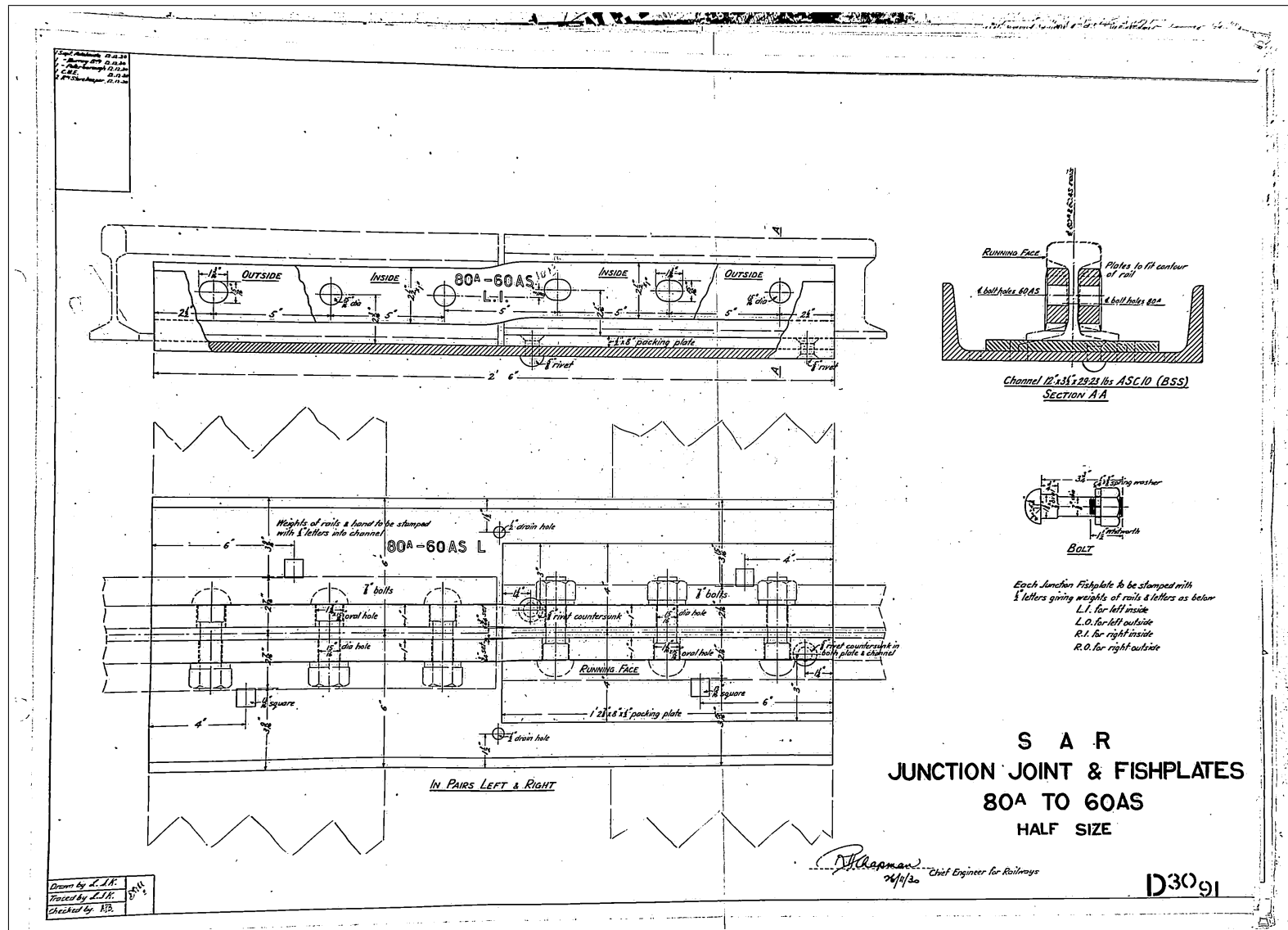


PlanId: D30/90

2.42 SAR Junction Joint and Fishplates 80AS to 50-1/2 Half Size - D30/90A

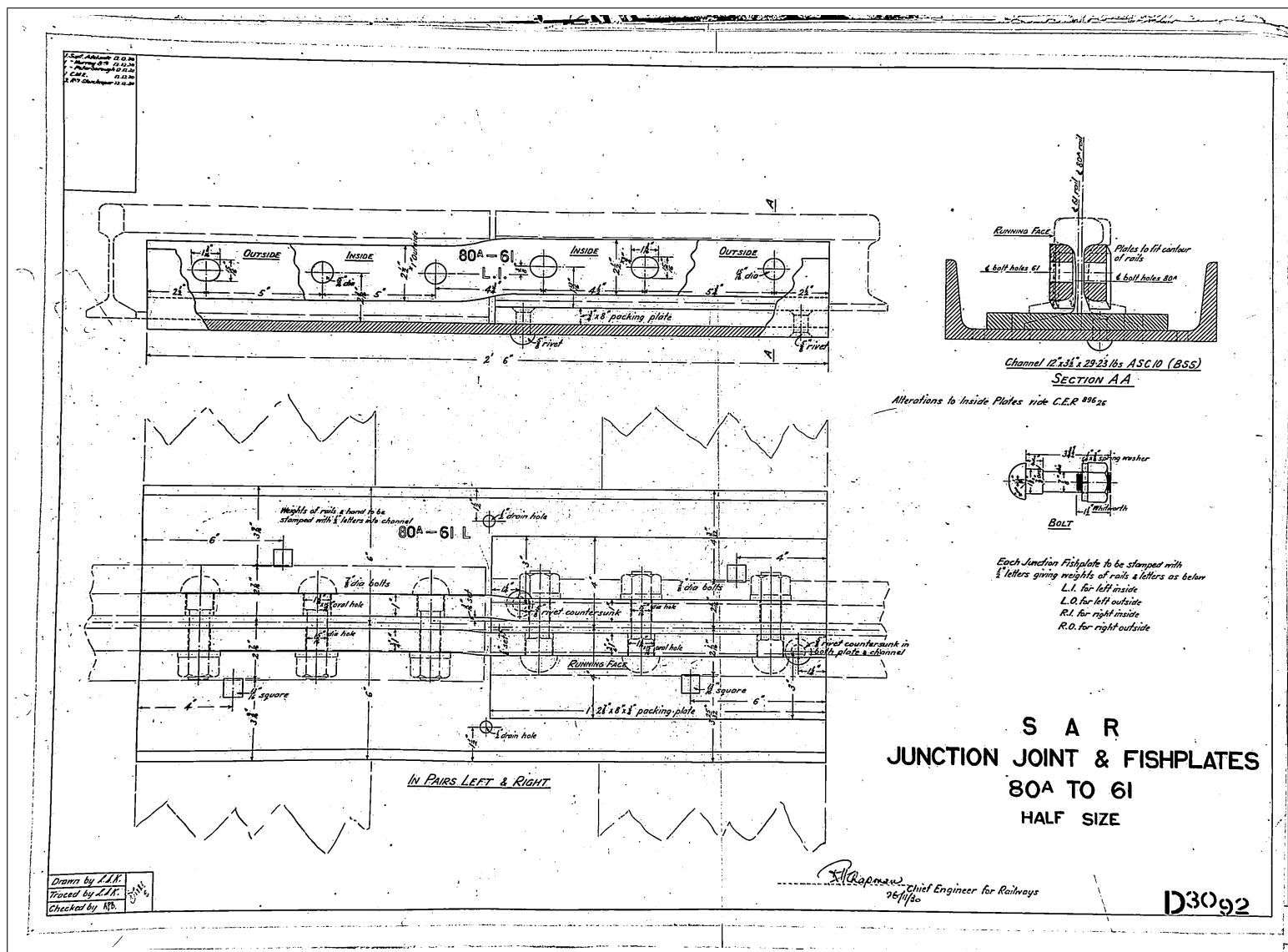


2.43 SAR Junction Joint and Fishplates 80A to 60AS Half Size - D30/91



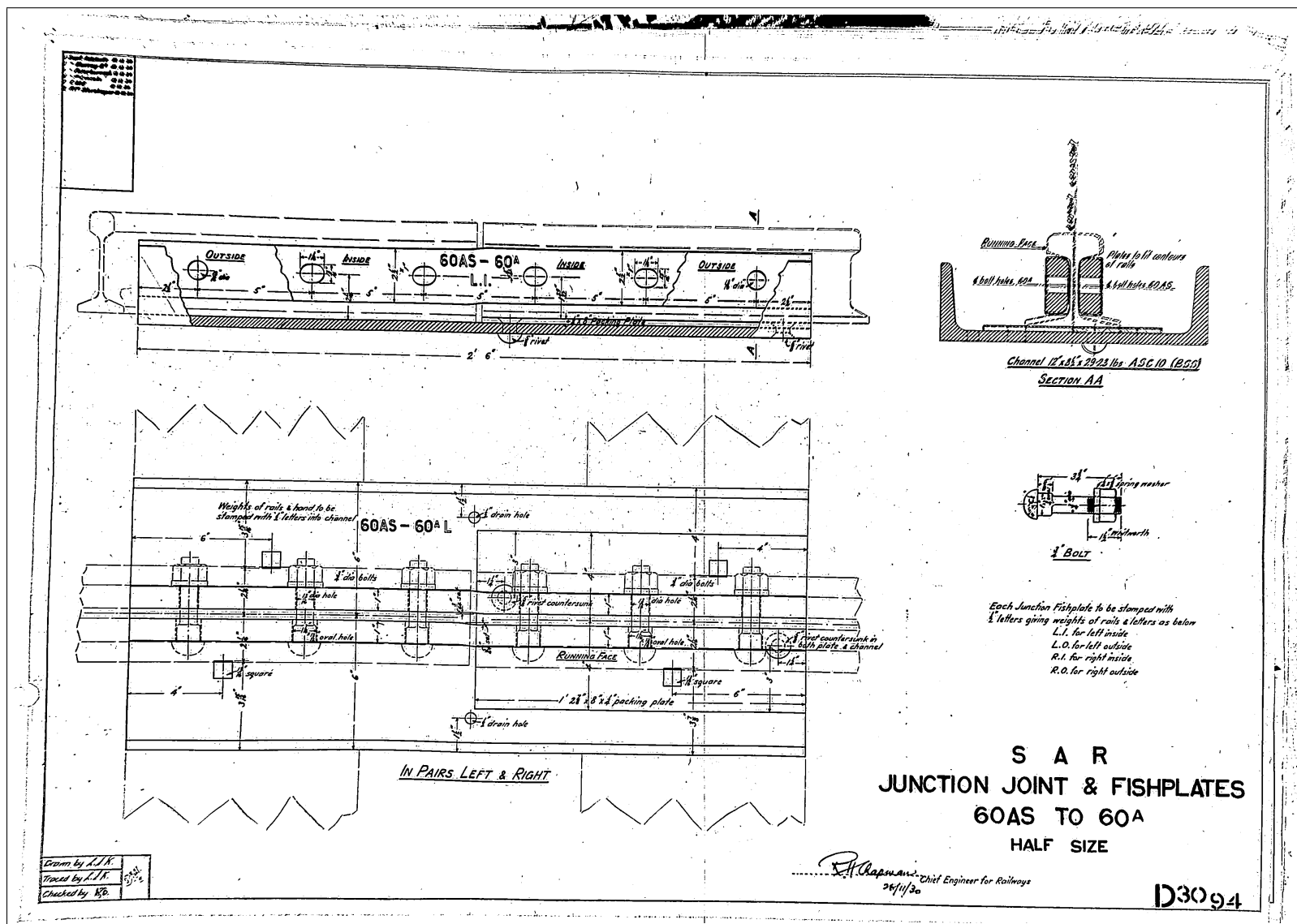
PlanId: D30/91

2.44 SAR Junction Joint and Fishplates 80A to 61 Half Size - D30/92



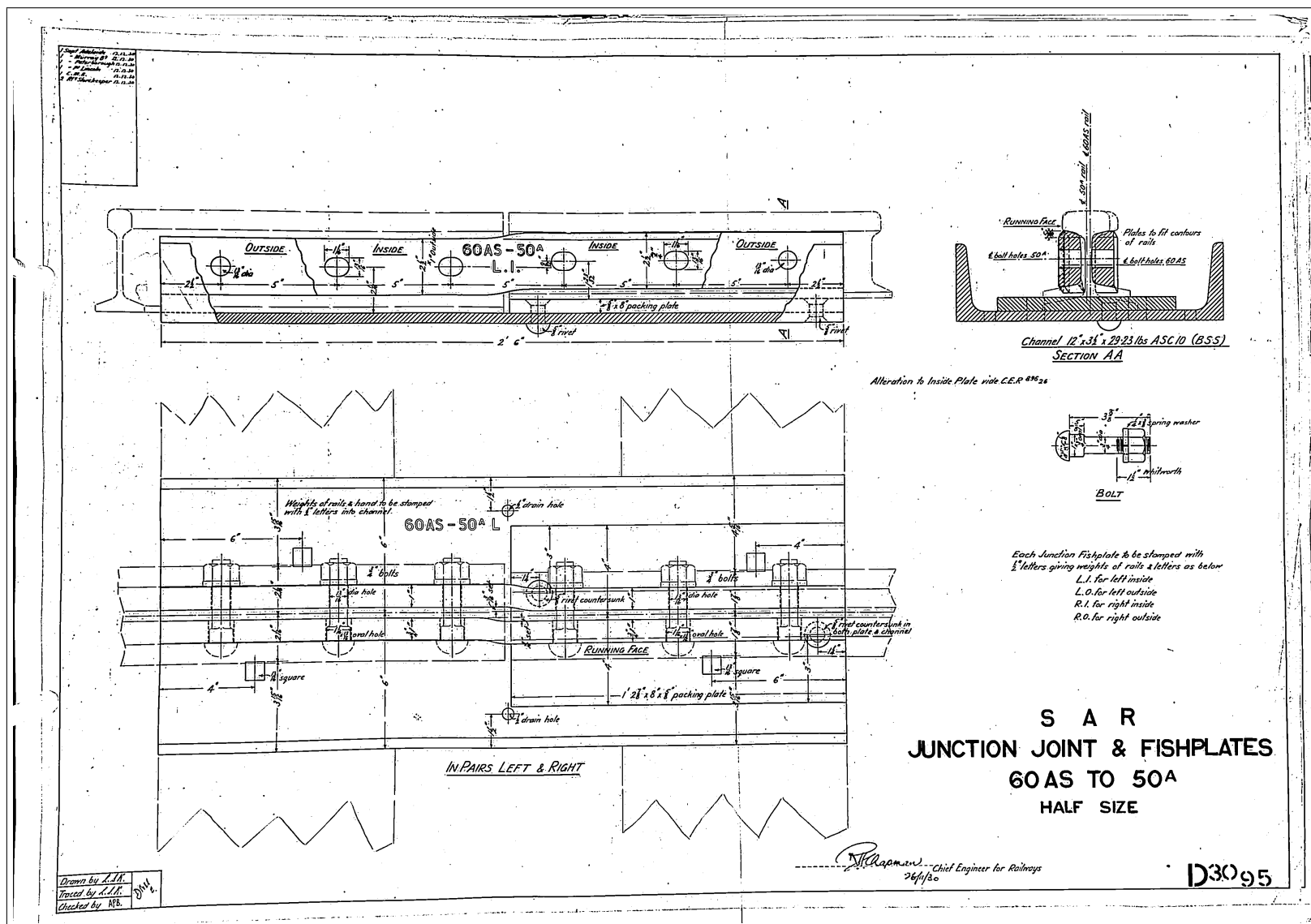
PlanId: D30/92

2.46 SAR Junction Joint and Fishplates 60AS to 60A Half Size - D30/94



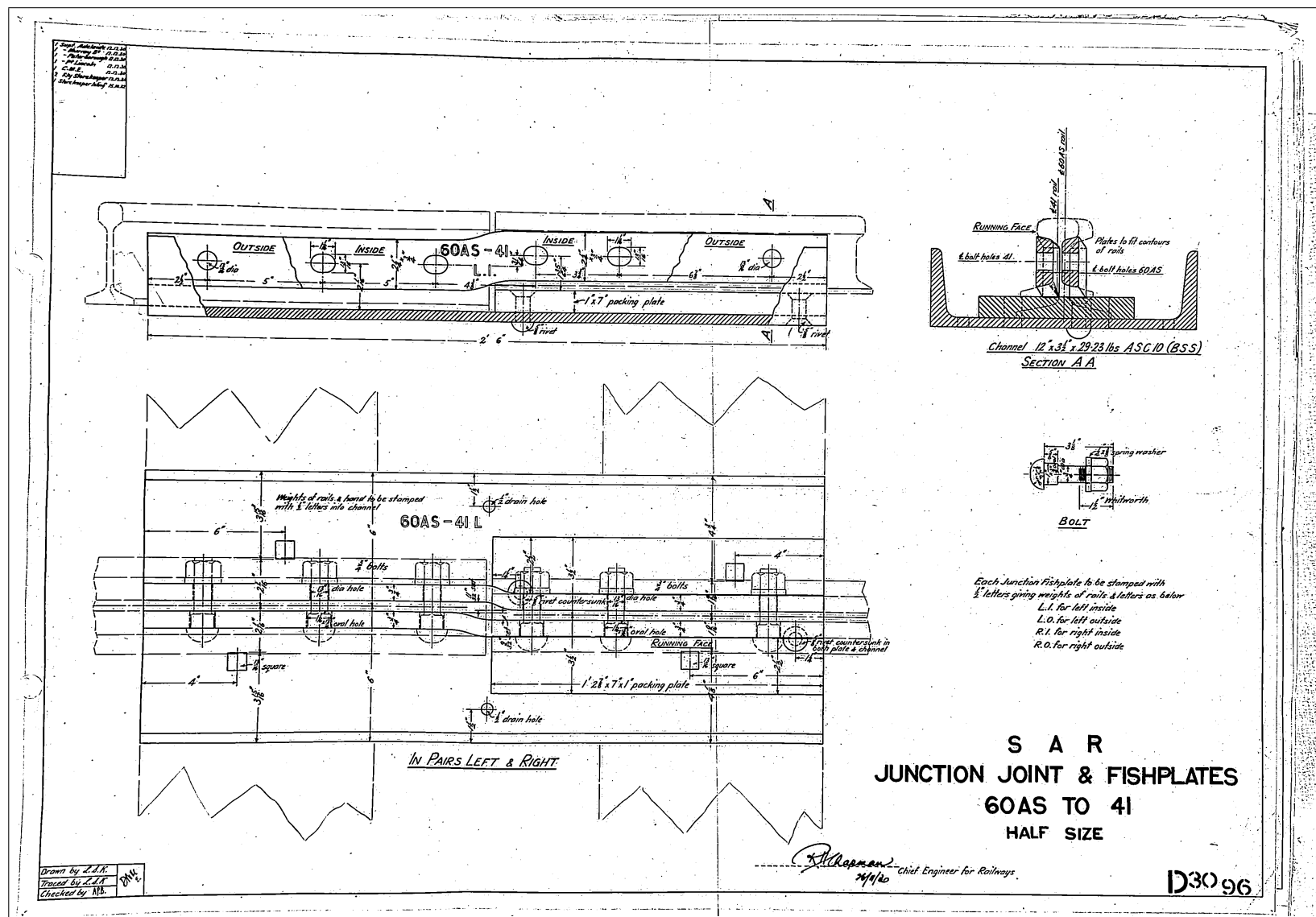
PlanId: D30/94

2.47 SAR Junction Joint and Fishplates 60AS to 50A Half Size - D30/95

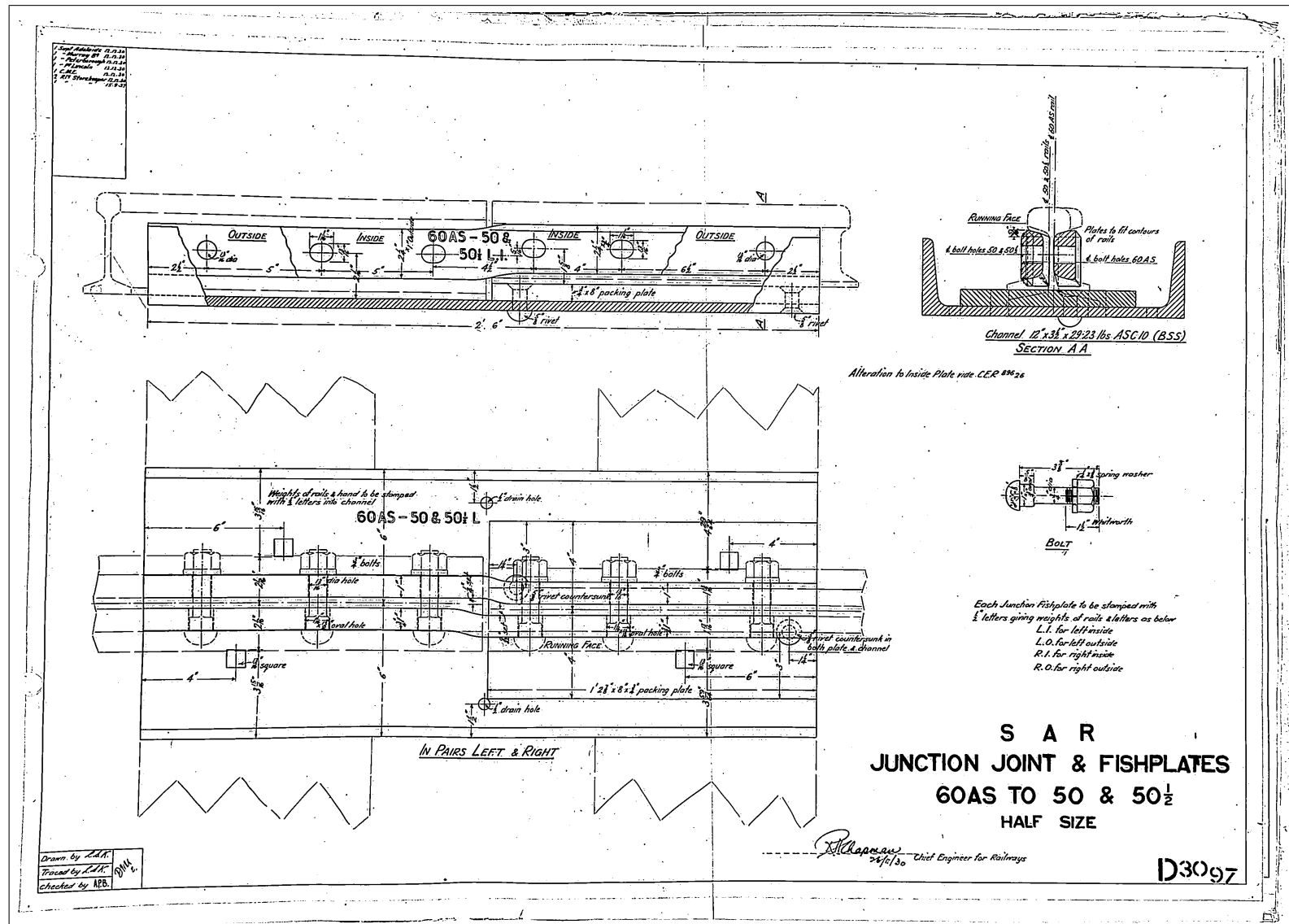


PlanId: D30/95

2.48 SAR Junction Joint and Fishplates 60AS to 41 Half Size - D30/96

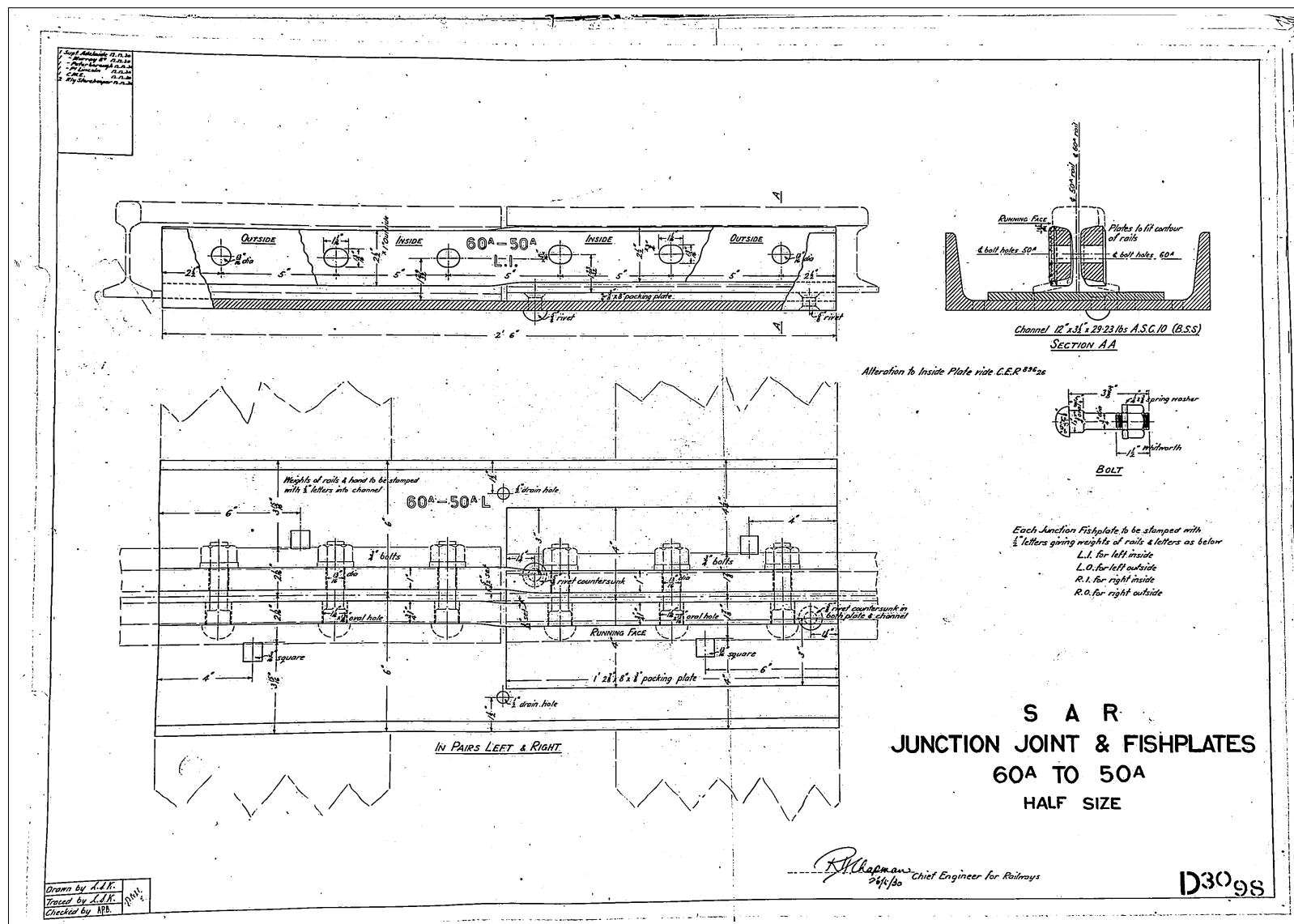


2.49 SAR Junction Joint and Fishplates 60AS to 50 and 50-1/2 Half Size - D30/97



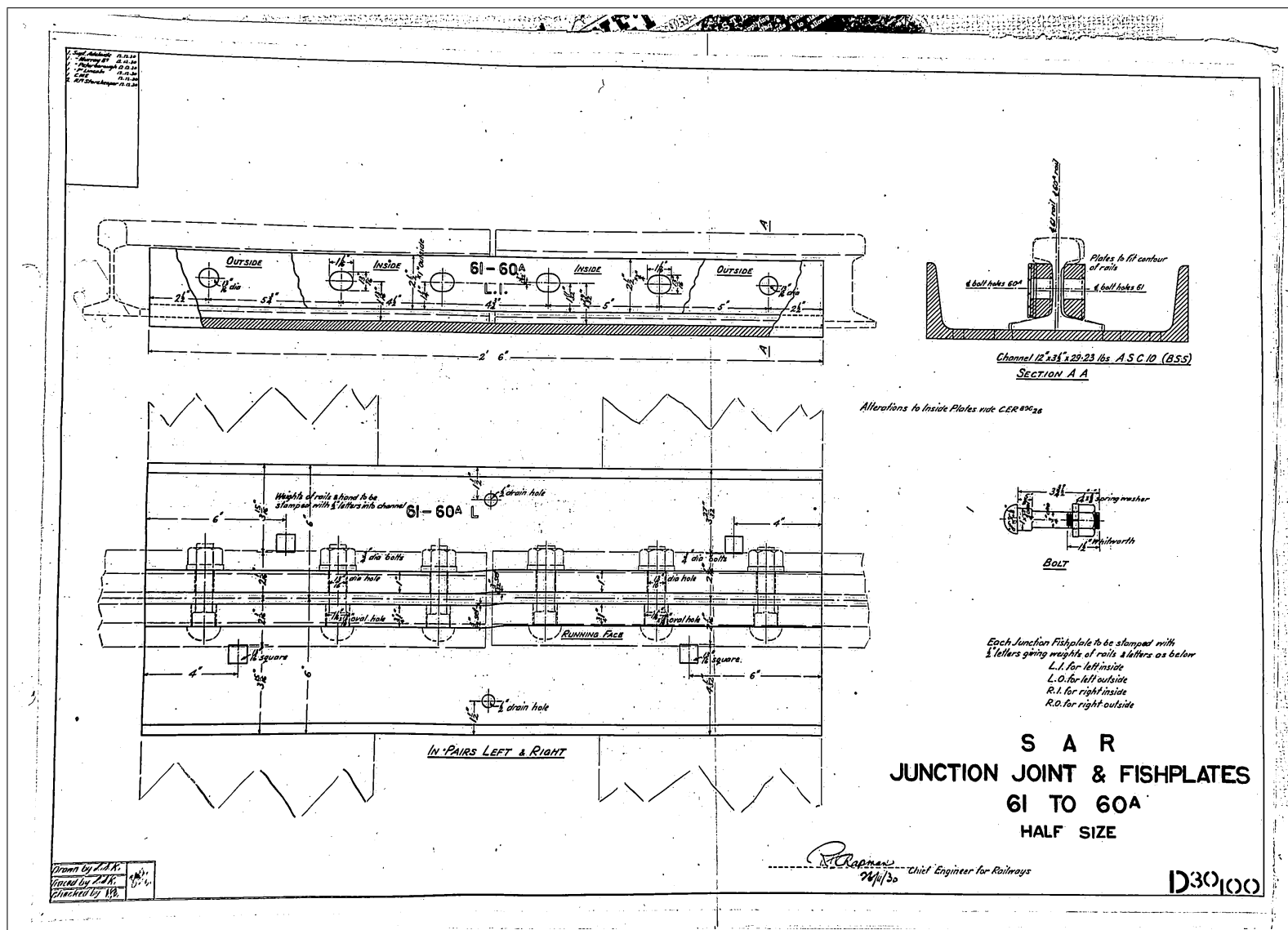
PlanId: D30/97

2.50 SAR Junction Joint and Fishplates 60AS to 50A Half Size - D30/98

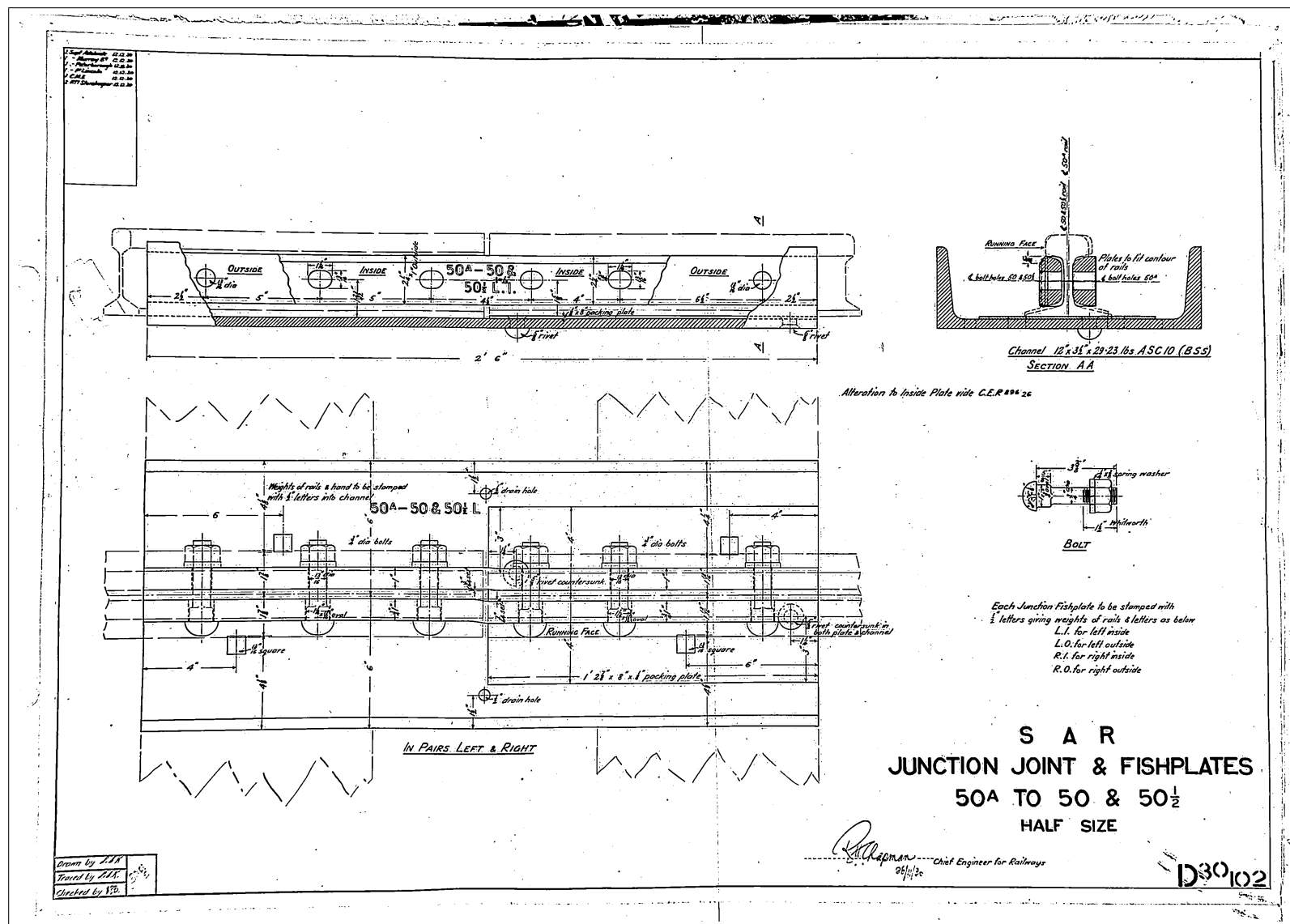


PlanId: D30/98

2.52 SAR Junction Joint and Fishplates 61 to 60A Half Size - D30/100

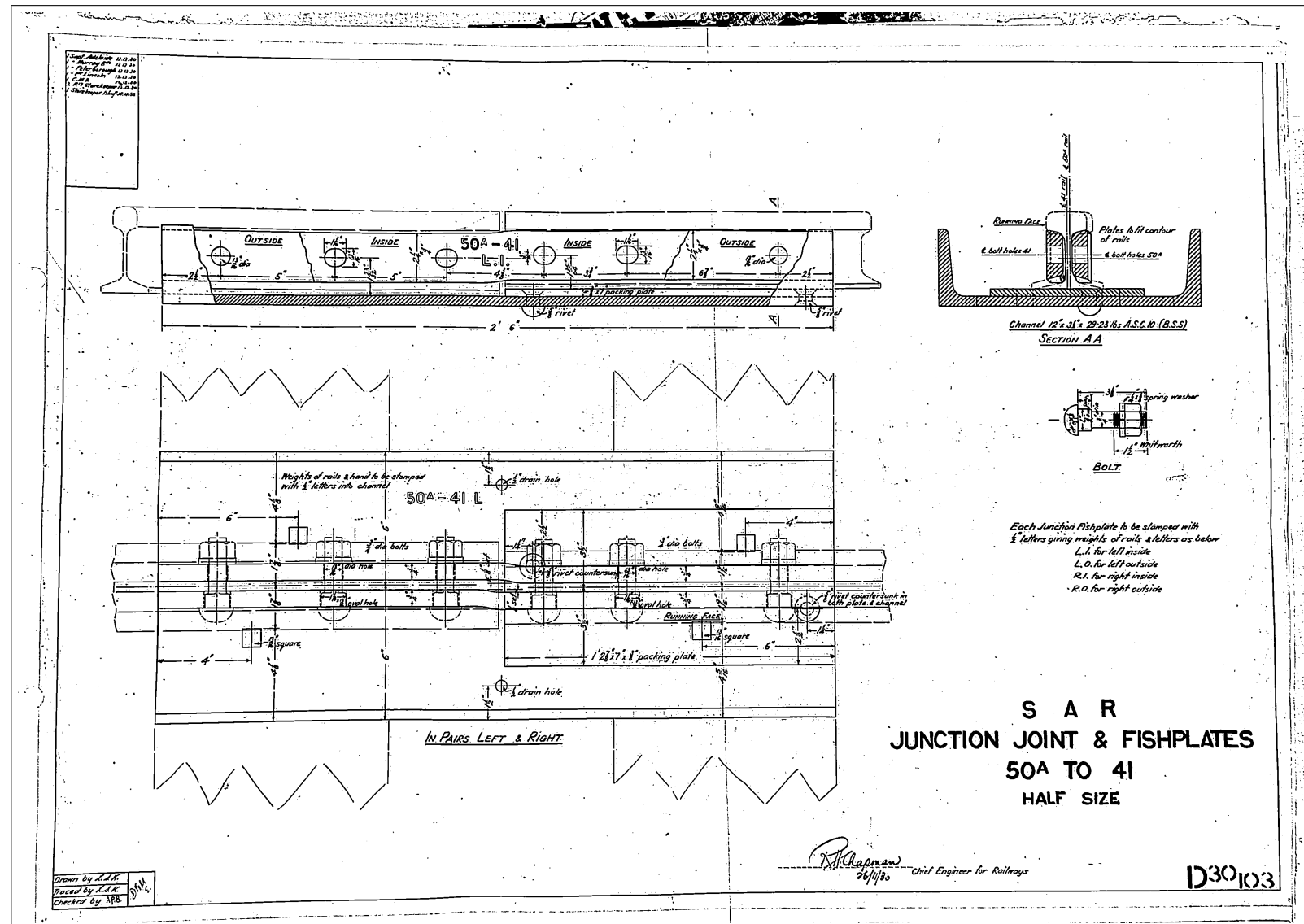


2.54 SAR Junction Joint and Fishplates 50A to 50 and 50-1/2 Half Size - D30/102



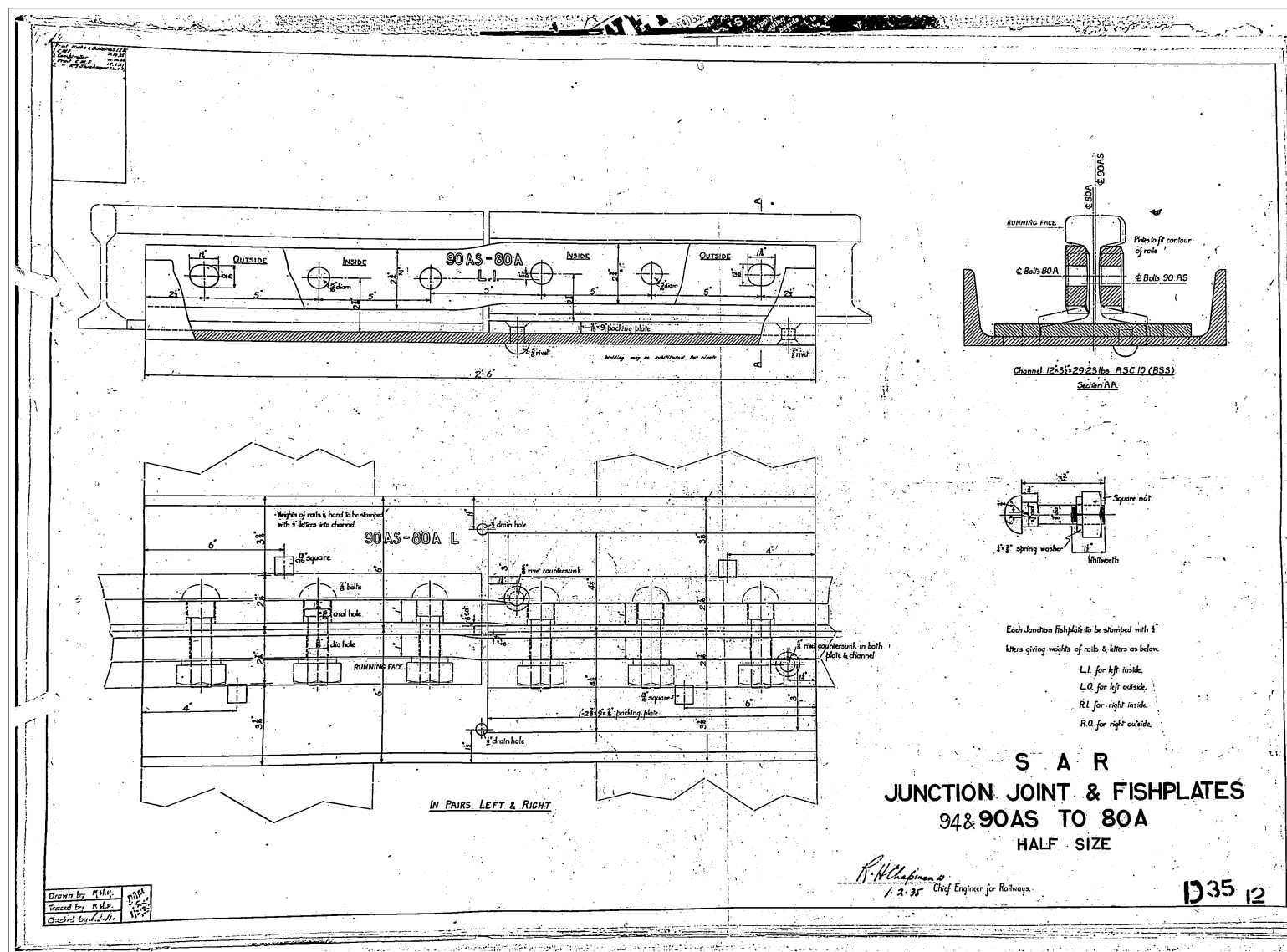
PlanId: D30/102

2.55 SAR Junction Joint and Fishplates 50A to 41 Half Size - D30/103



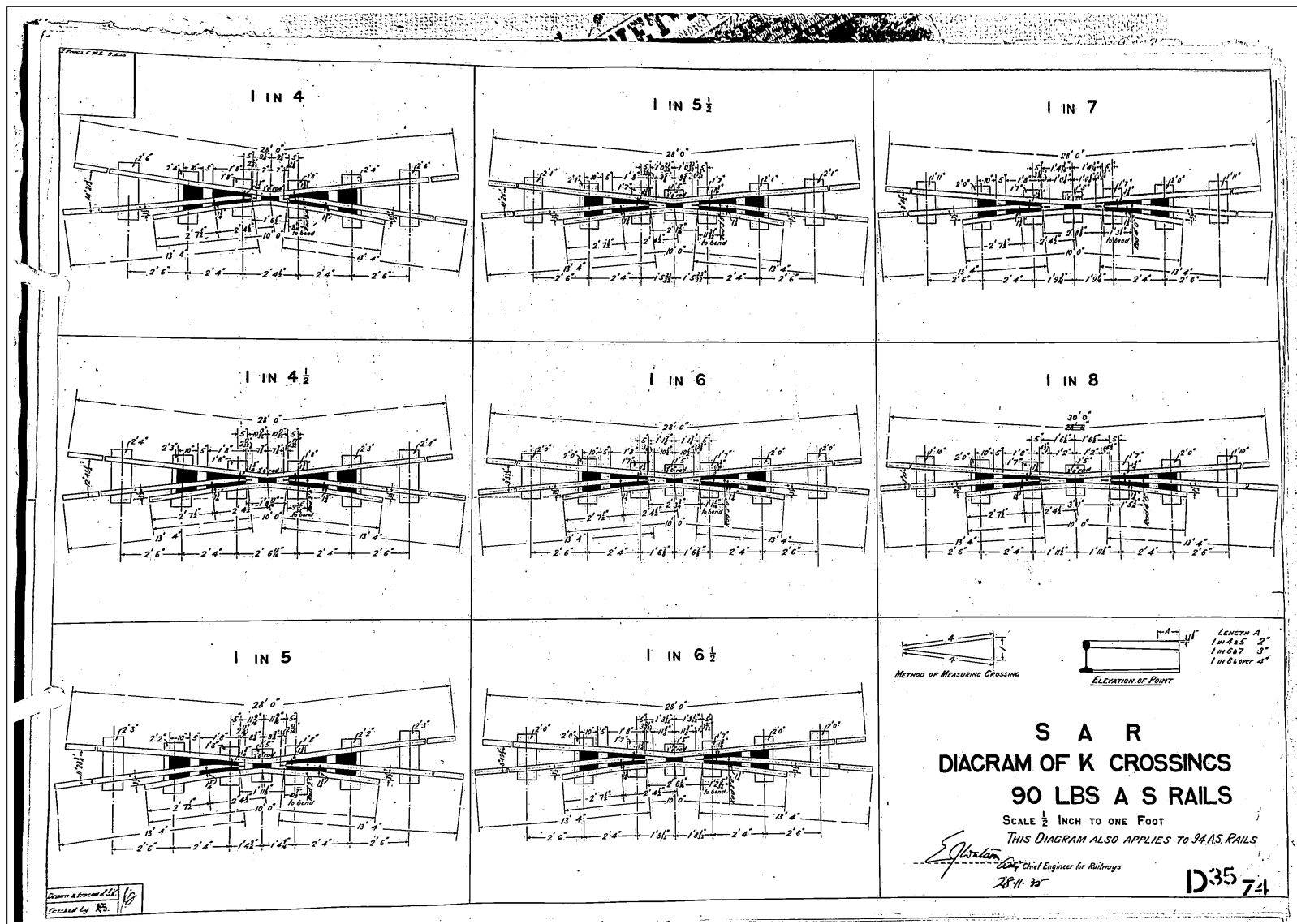
PlanId: D30/103

2.56 SAR Junction Joint and Fishplates 94 and 90AS to 80A Half Size - D35/12



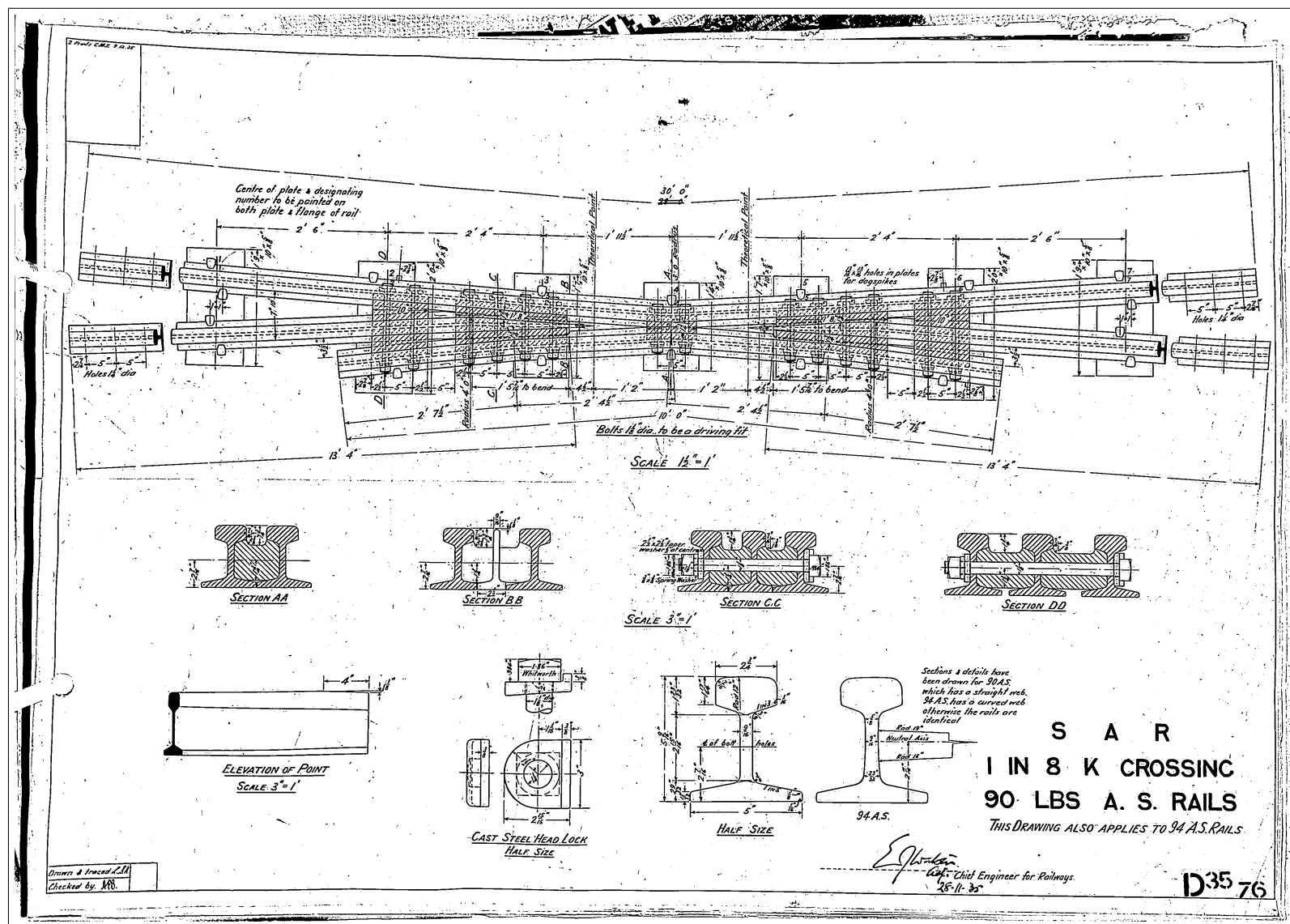
PlanId: D35/12

2.58 SAR Diagram of K Crossing 90LBS AS Rails - D35/74



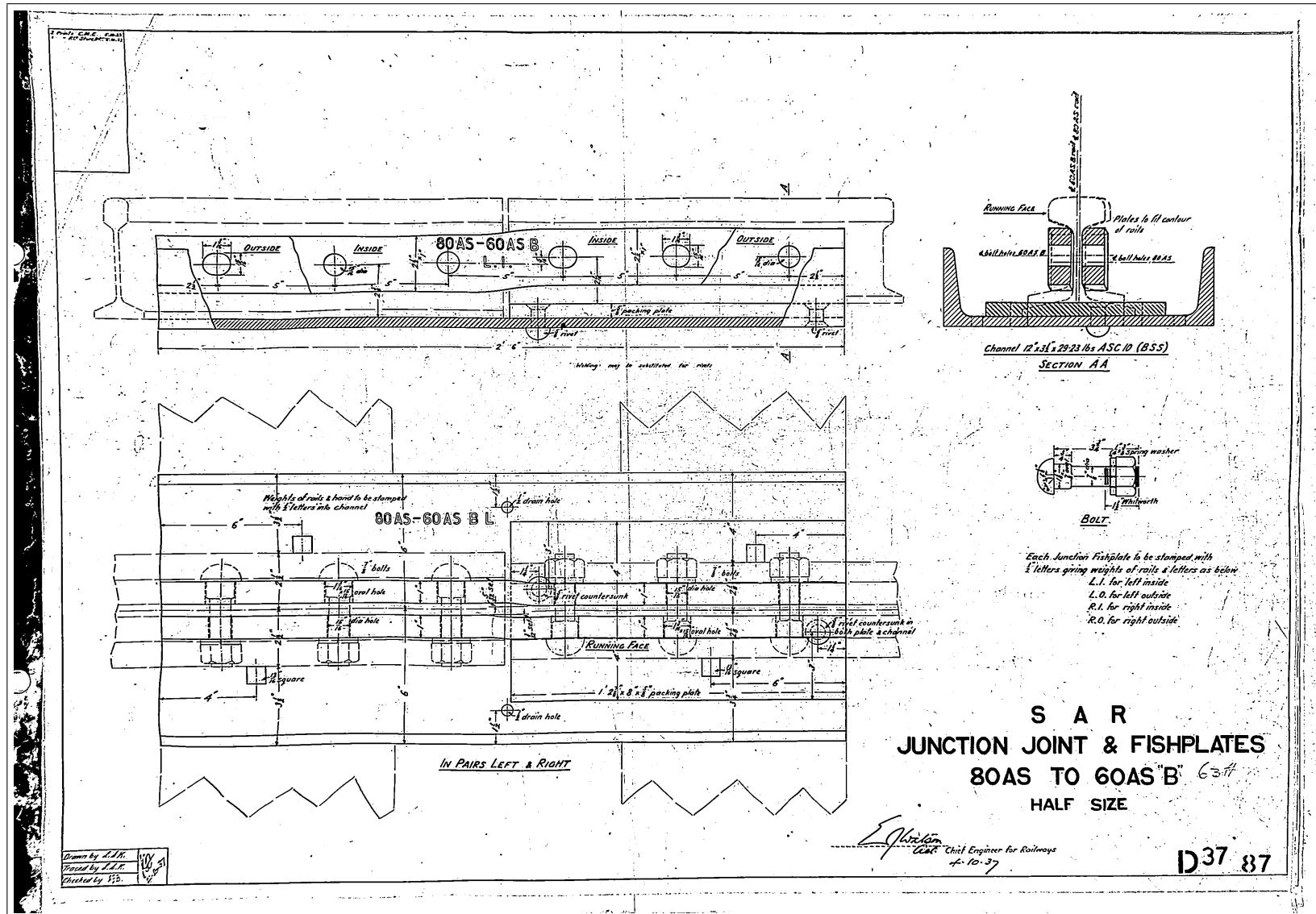
PlanId: D35/74

2.60 SAR 1 in 8 K Crossing 90LBS AS Rails - D35/76

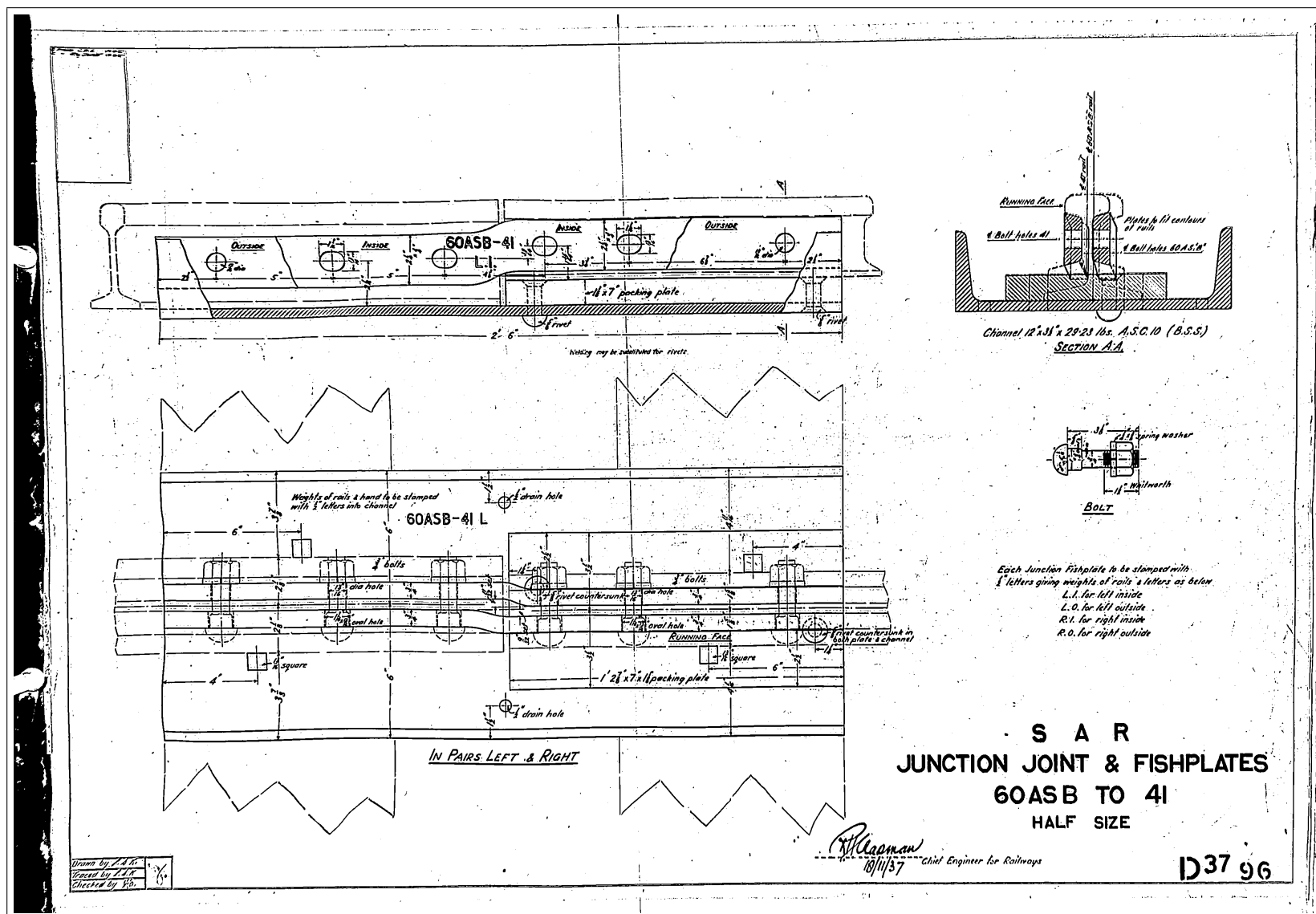


PlanId: D35/76

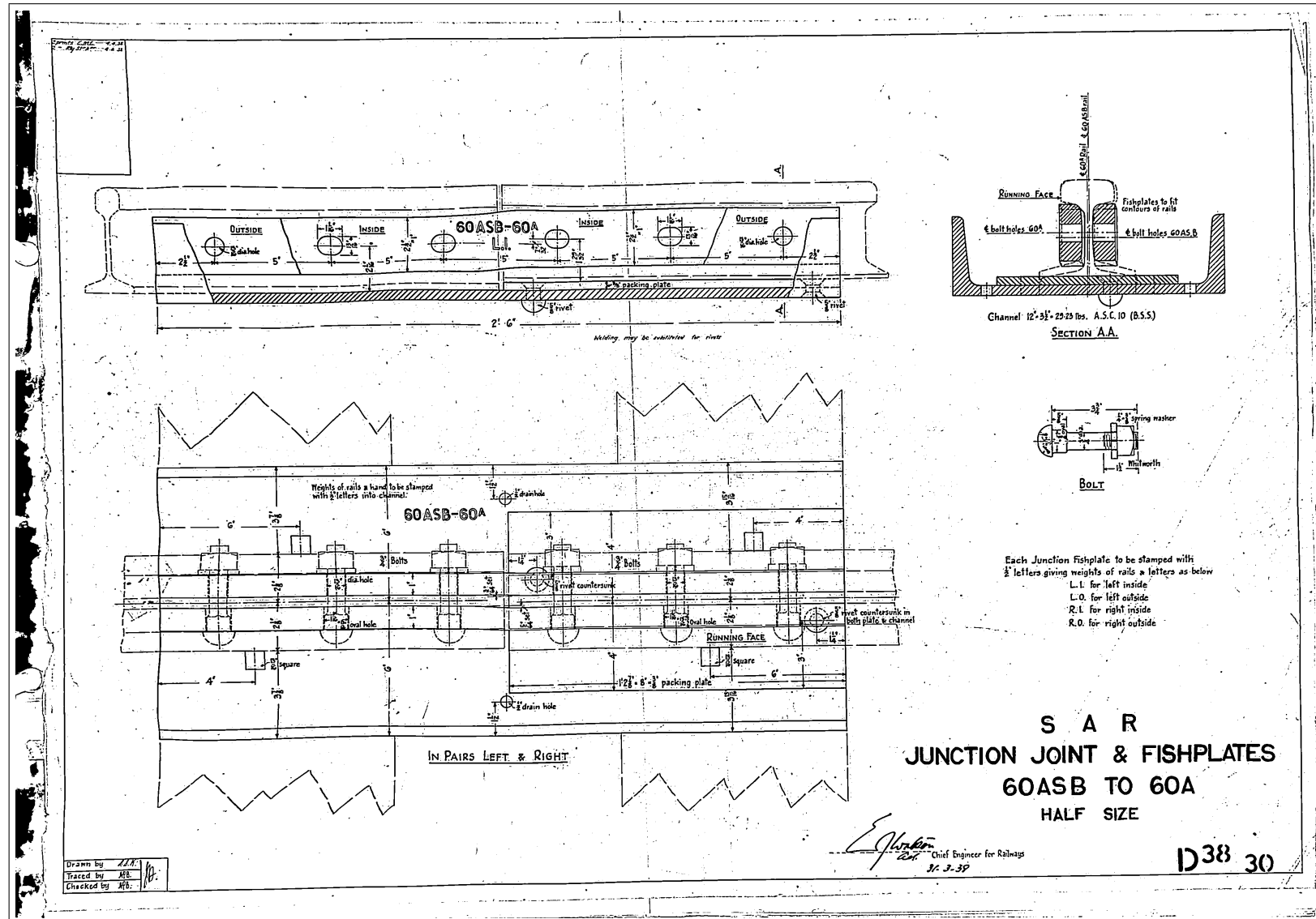
2.61 SAR Junction Joint and Fishplates 80AS to 60AS B Half Size - D37/87



2.62 SAR Junction Joint and Fishplates 60AS B to 41 Half Size - D37/96

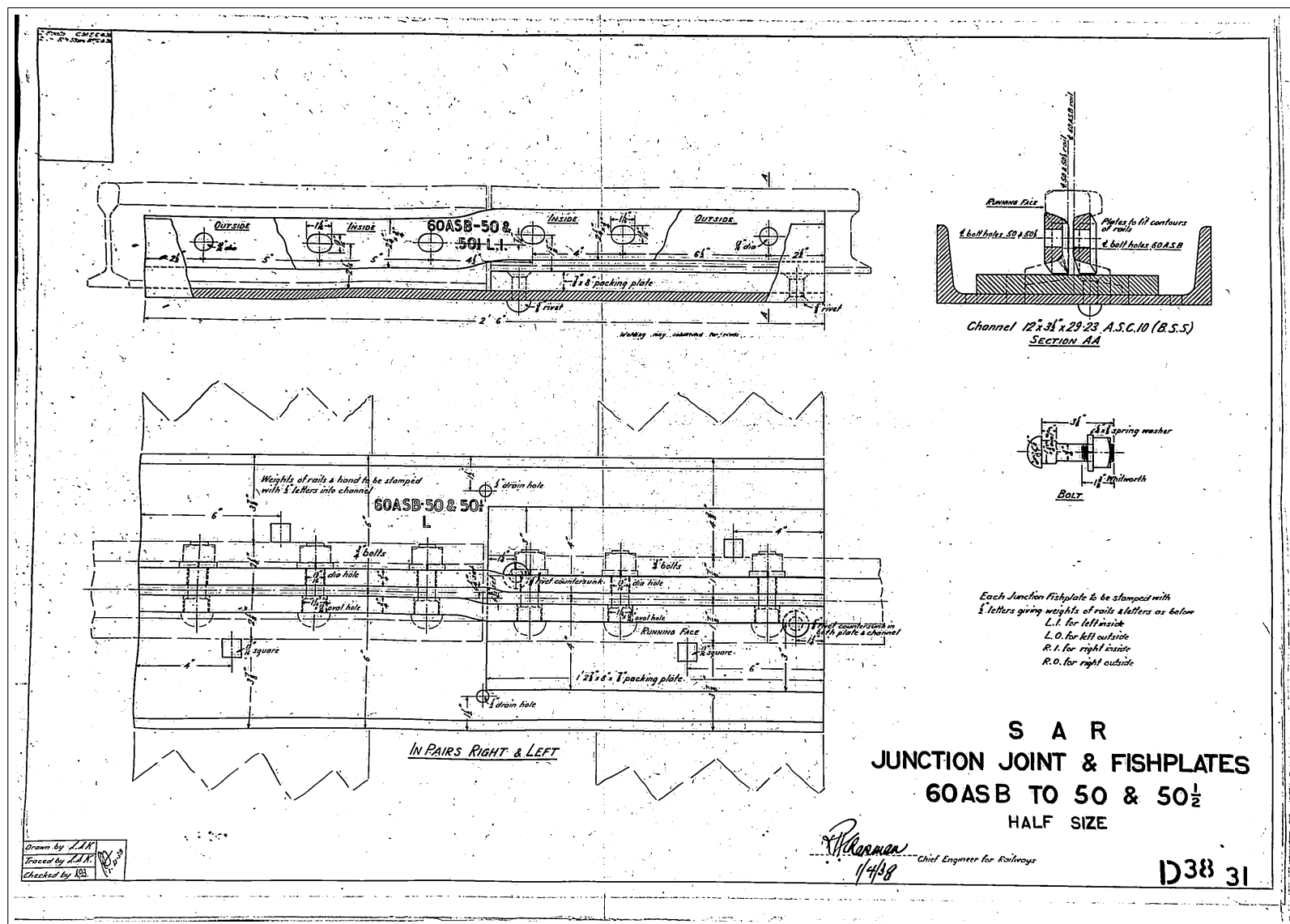


2.63 SAR Junction Joint and Fishplates 60AS B to 60A Half Size - D38/30

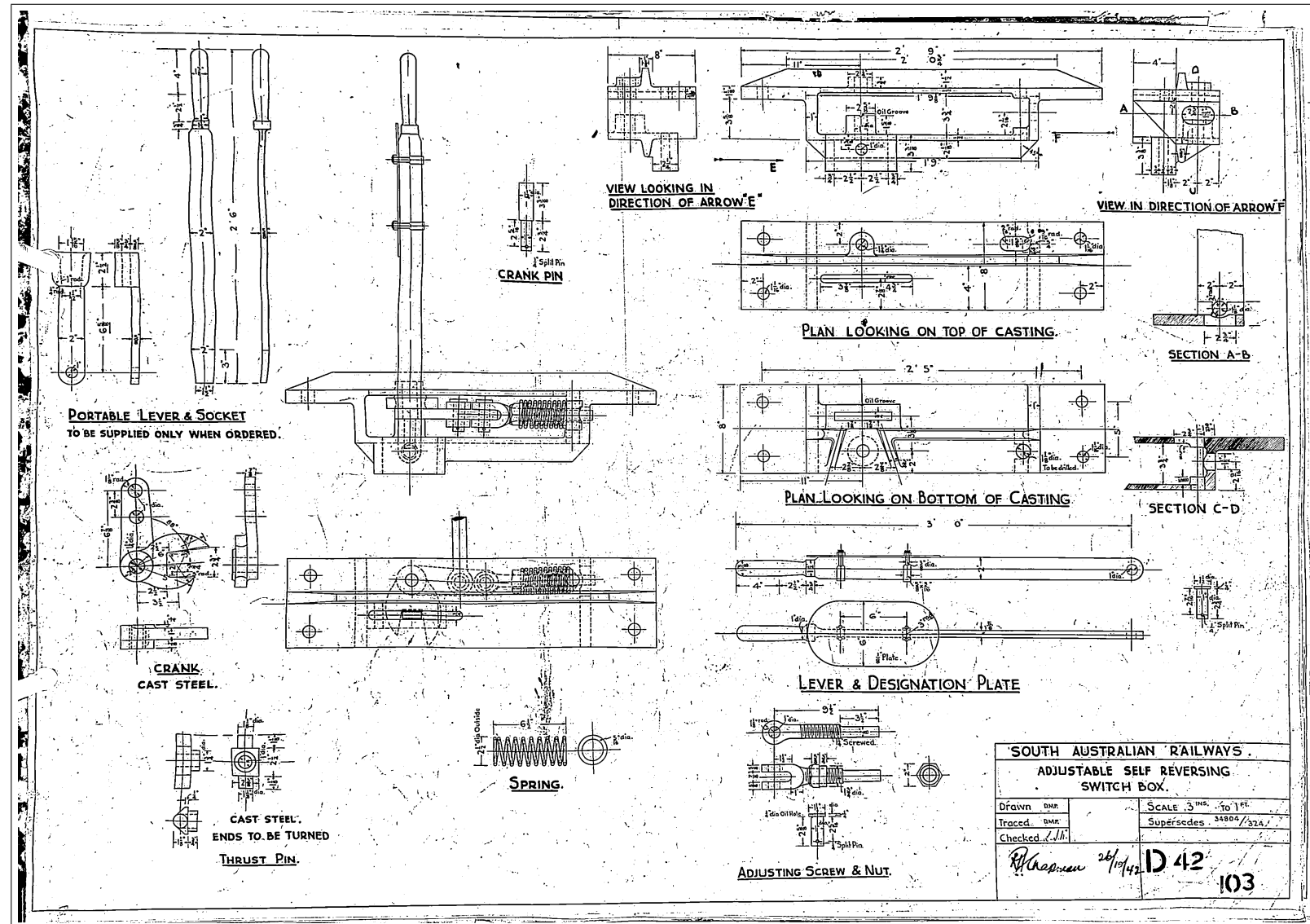


PlanId: D38/30

2.64 SAR Junction Joint and Fishplates 60AS B to 50 and 50-1/2 Half Size - D38/31

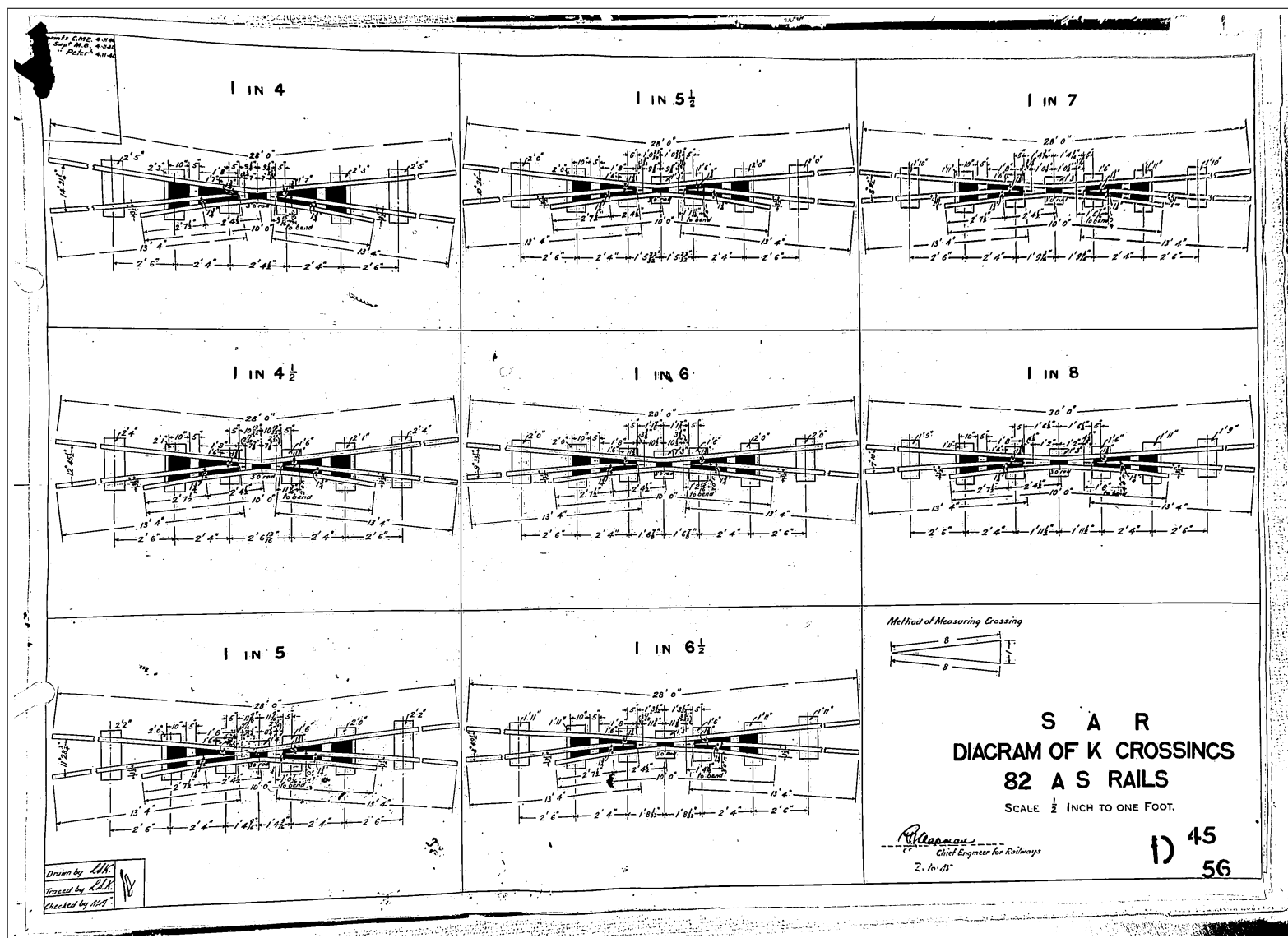


2.65 SAR Adjustable Self Reversing Switch Box - D42/103



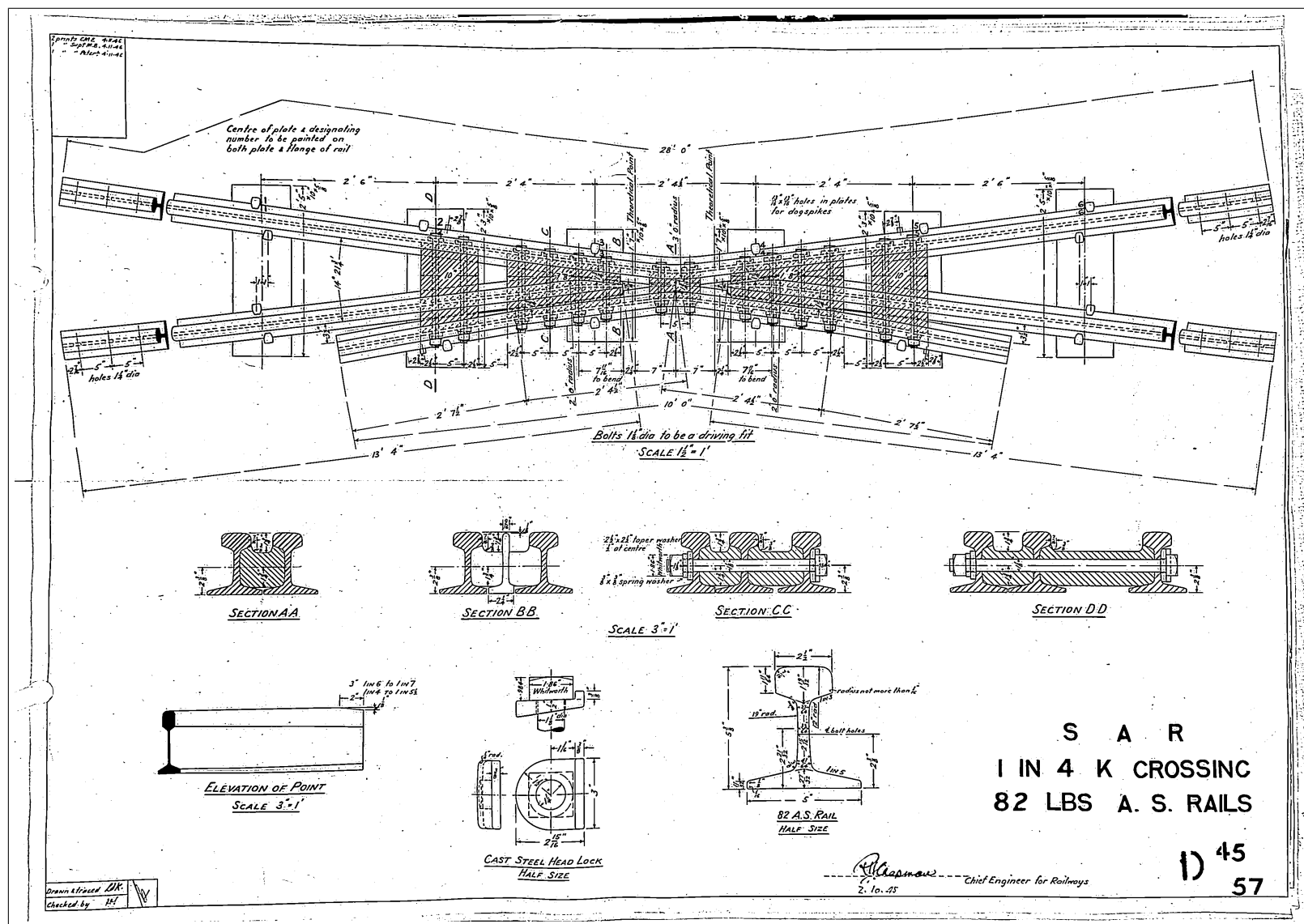
PlanId: D42/103

2.66 SAR Diagrams of K Crossings 82AS Rails - D45/56



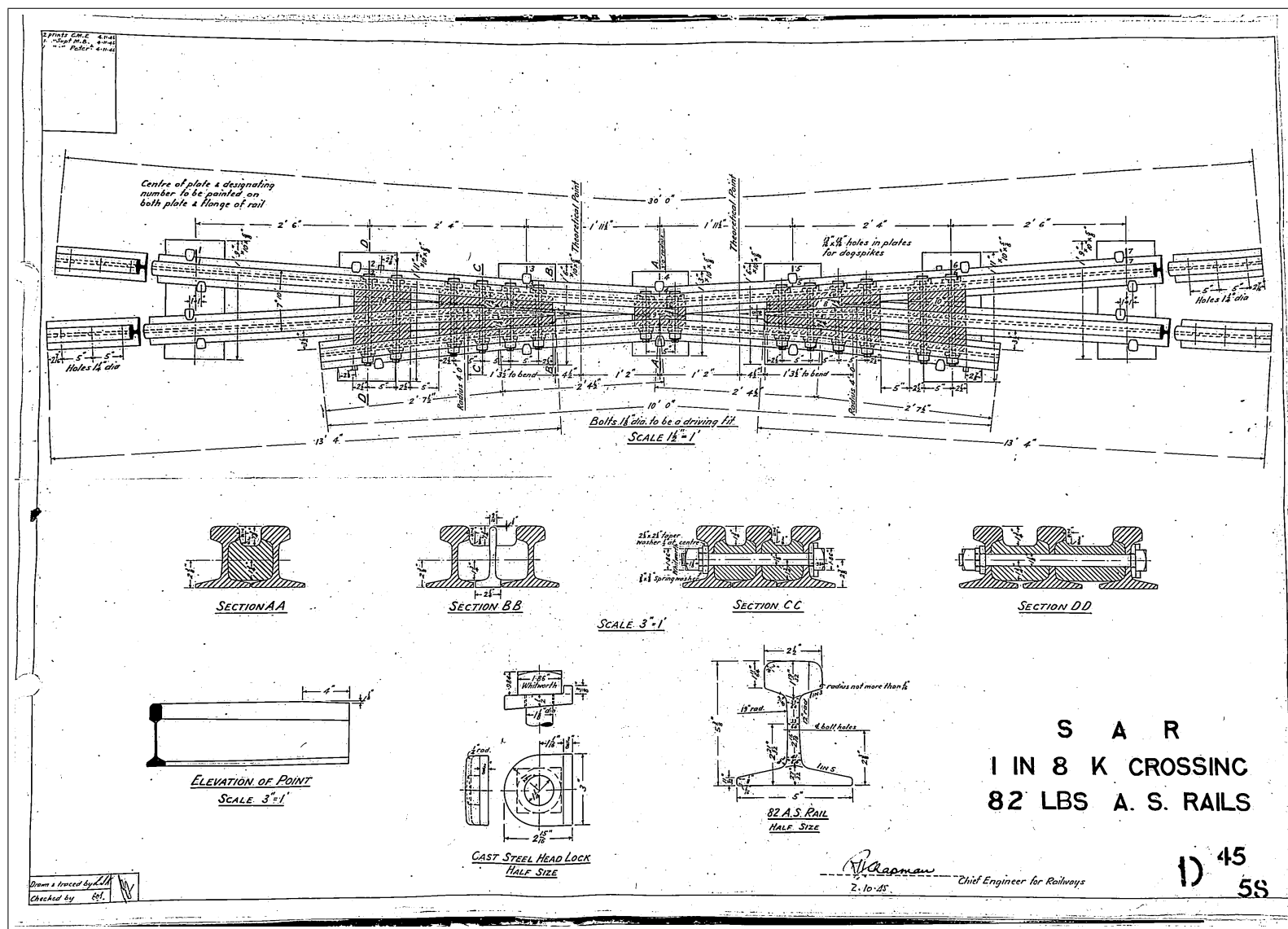
PlanId: D45/56

2.67 SAR 1 in 4 K Crossing 82LBS AS Rails - D45/57



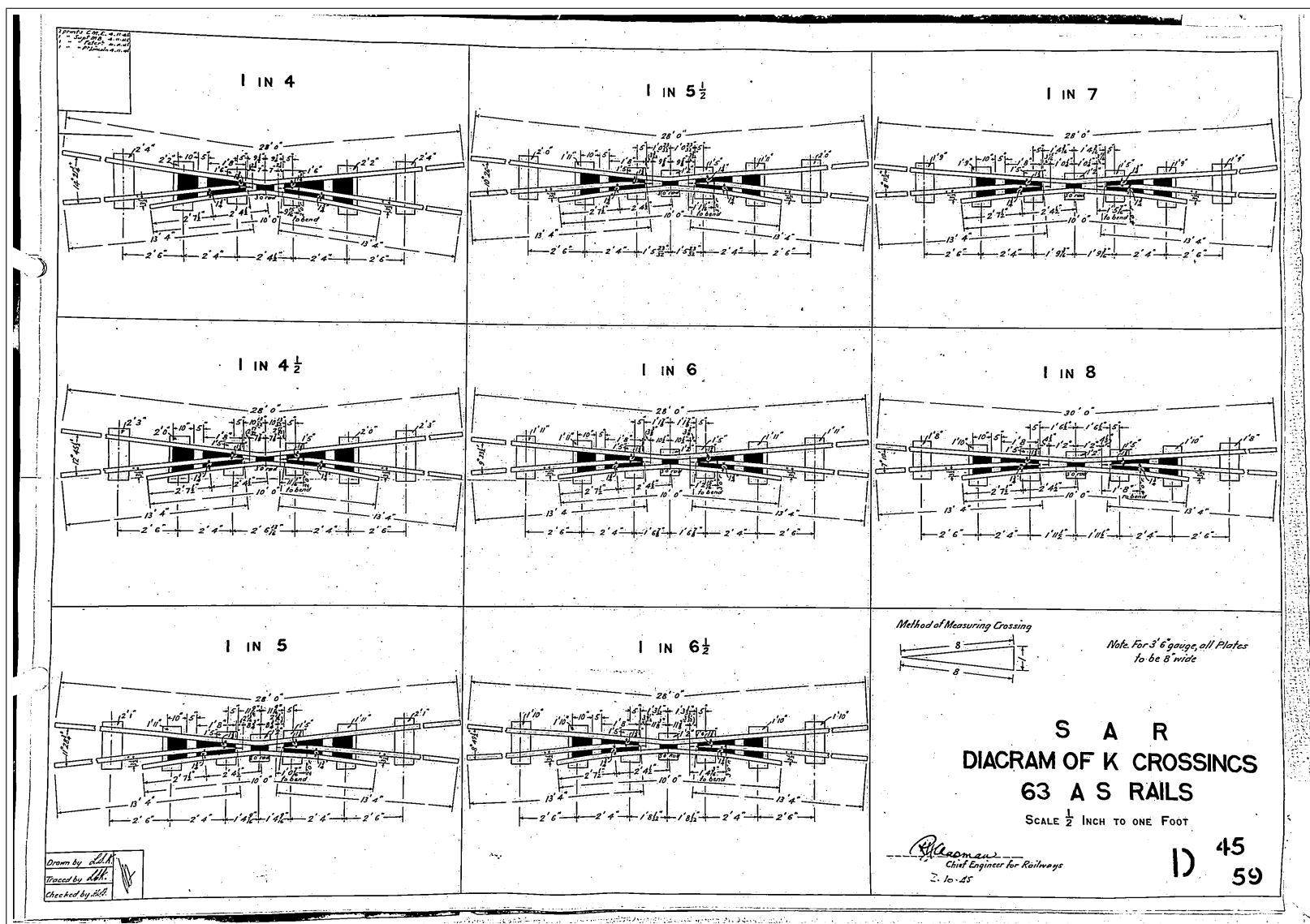
PlanId: D45/57

2.68 SAR 1 in 8 K Crossing 82LBS AS Rails - D45/58



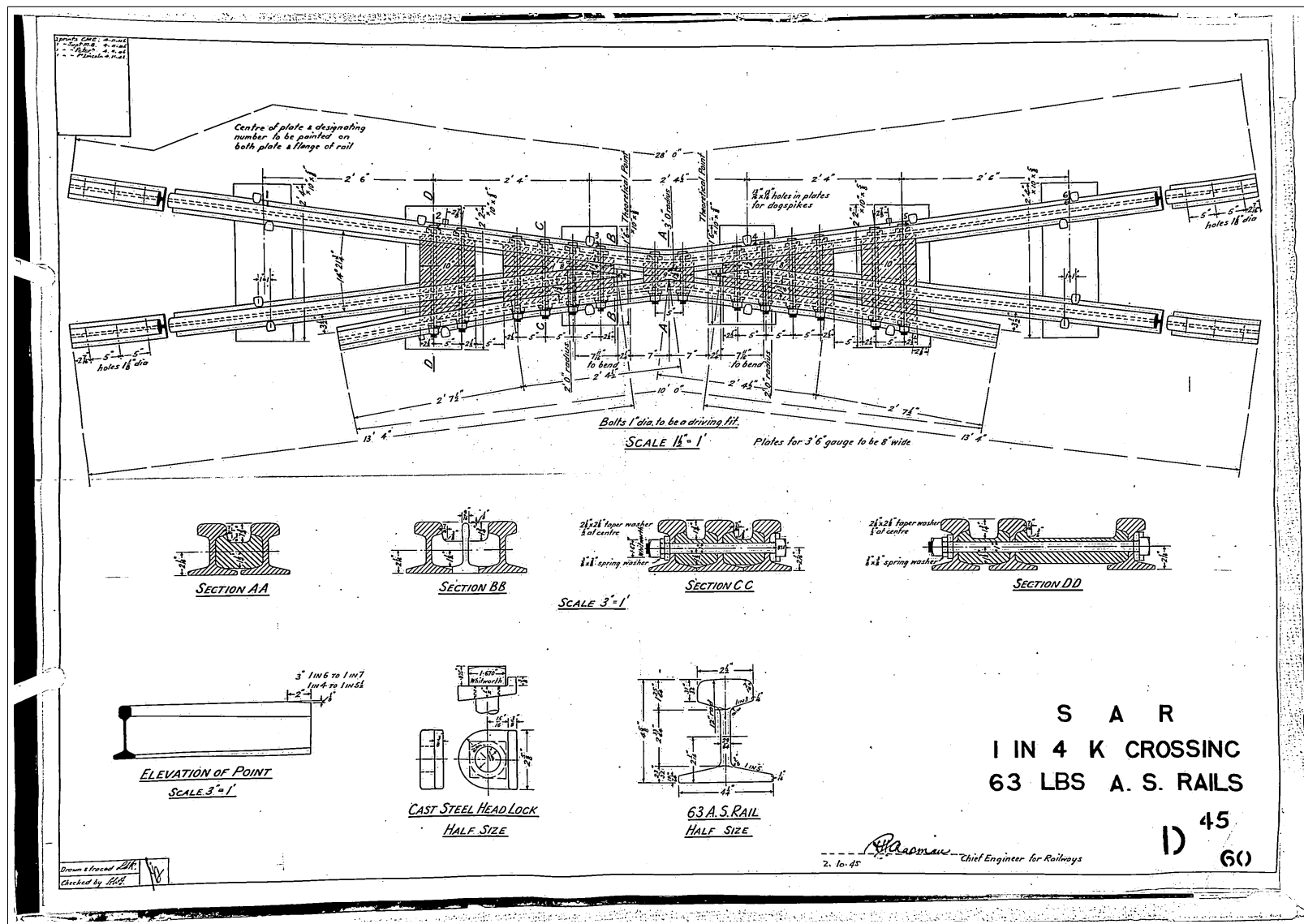
PlanId: D45/58

2.69 SAR Diagram of K Crossing 63AS Rails - D45/59

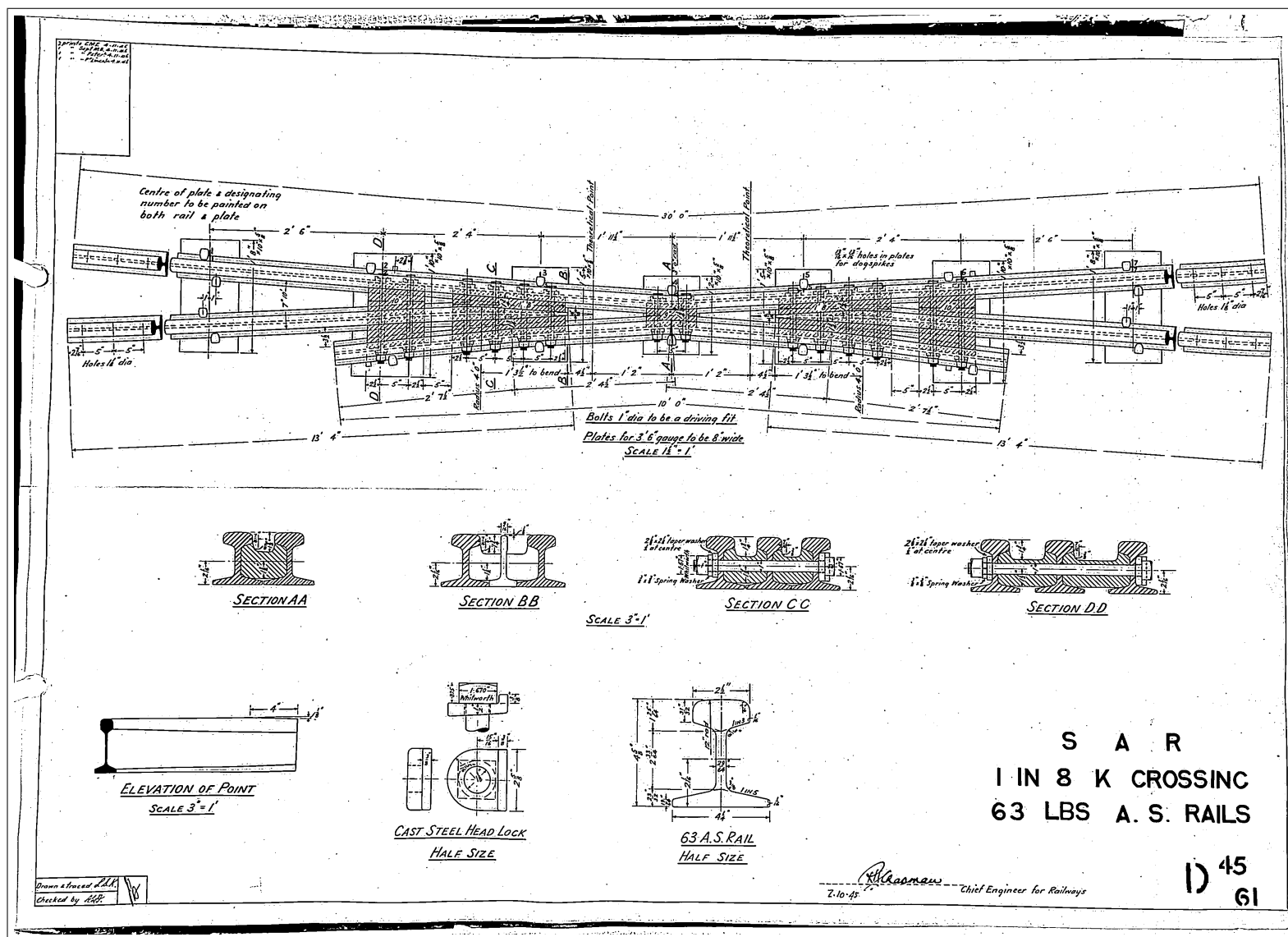


PlanId: D45/59

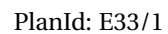
2.70 SAR 1 in 4 K Crossing 63LBS AS Rails - D45/60



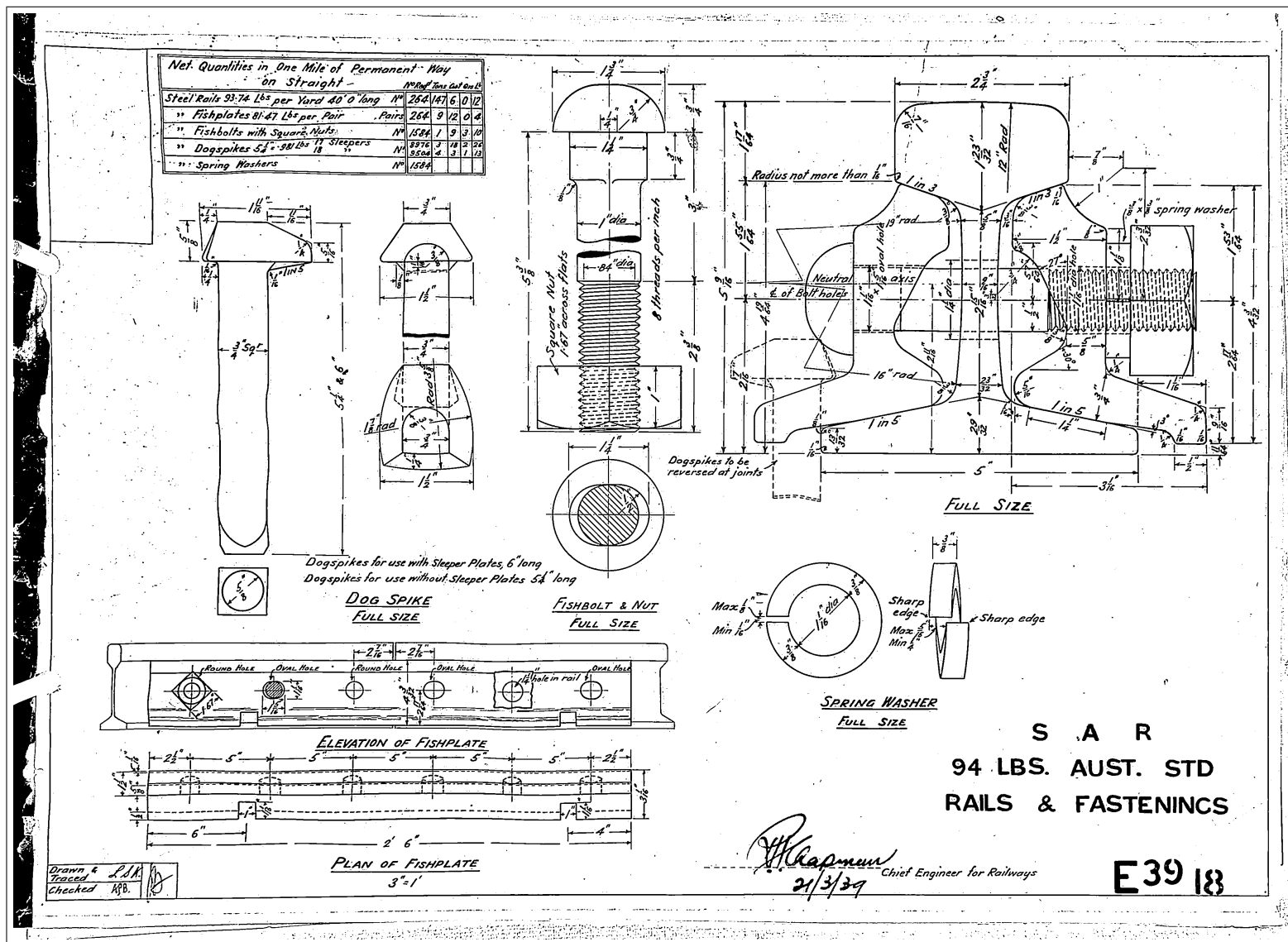
2.71 SAR 1 in 8 K Crossing 63LBS AS Rails - D45/61



PlanId: D45/61

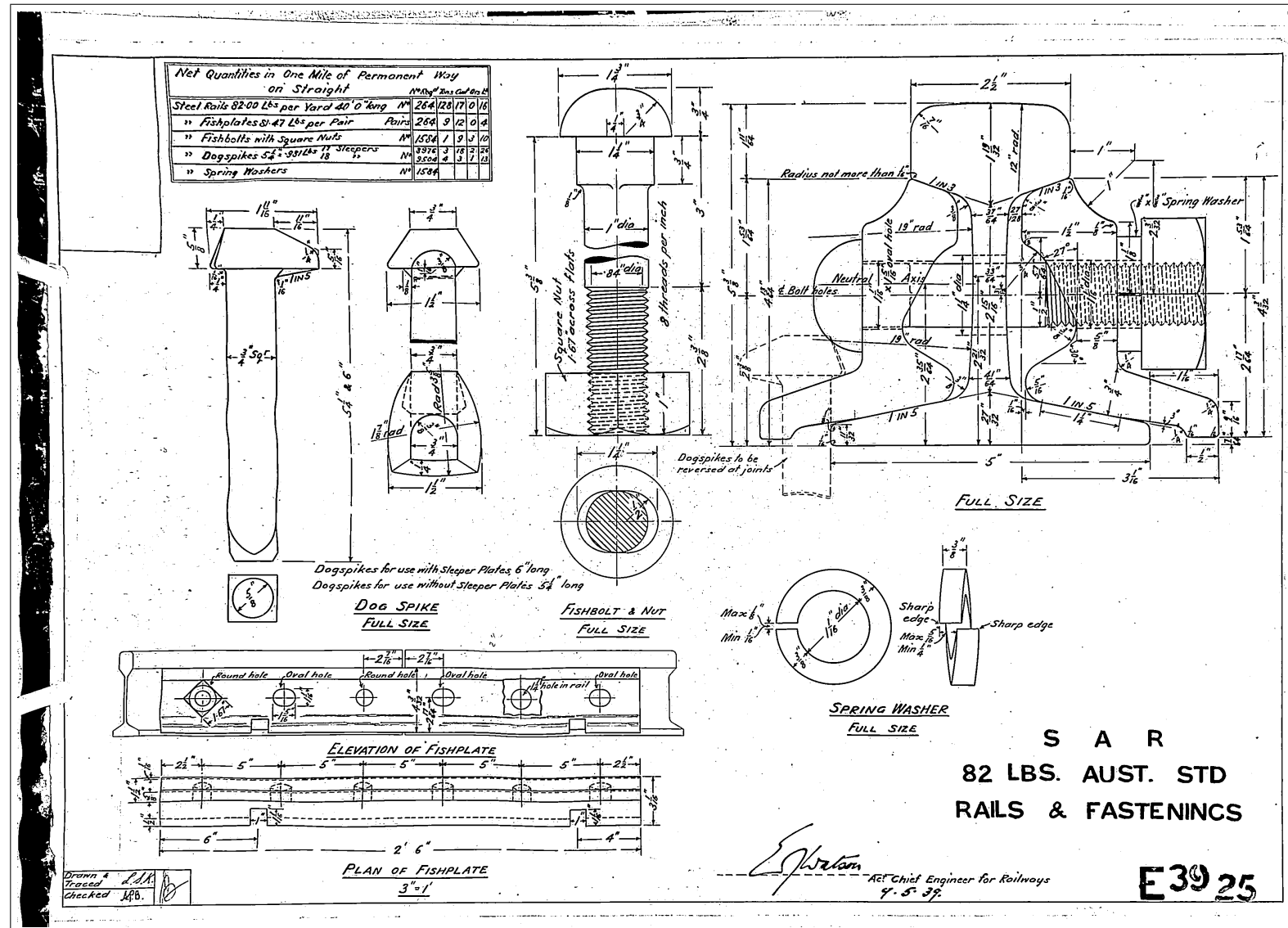


2.74 SAR 94LBS Aust Std Rails and Fastenings - E39/18

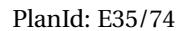


PlanId: E39/18

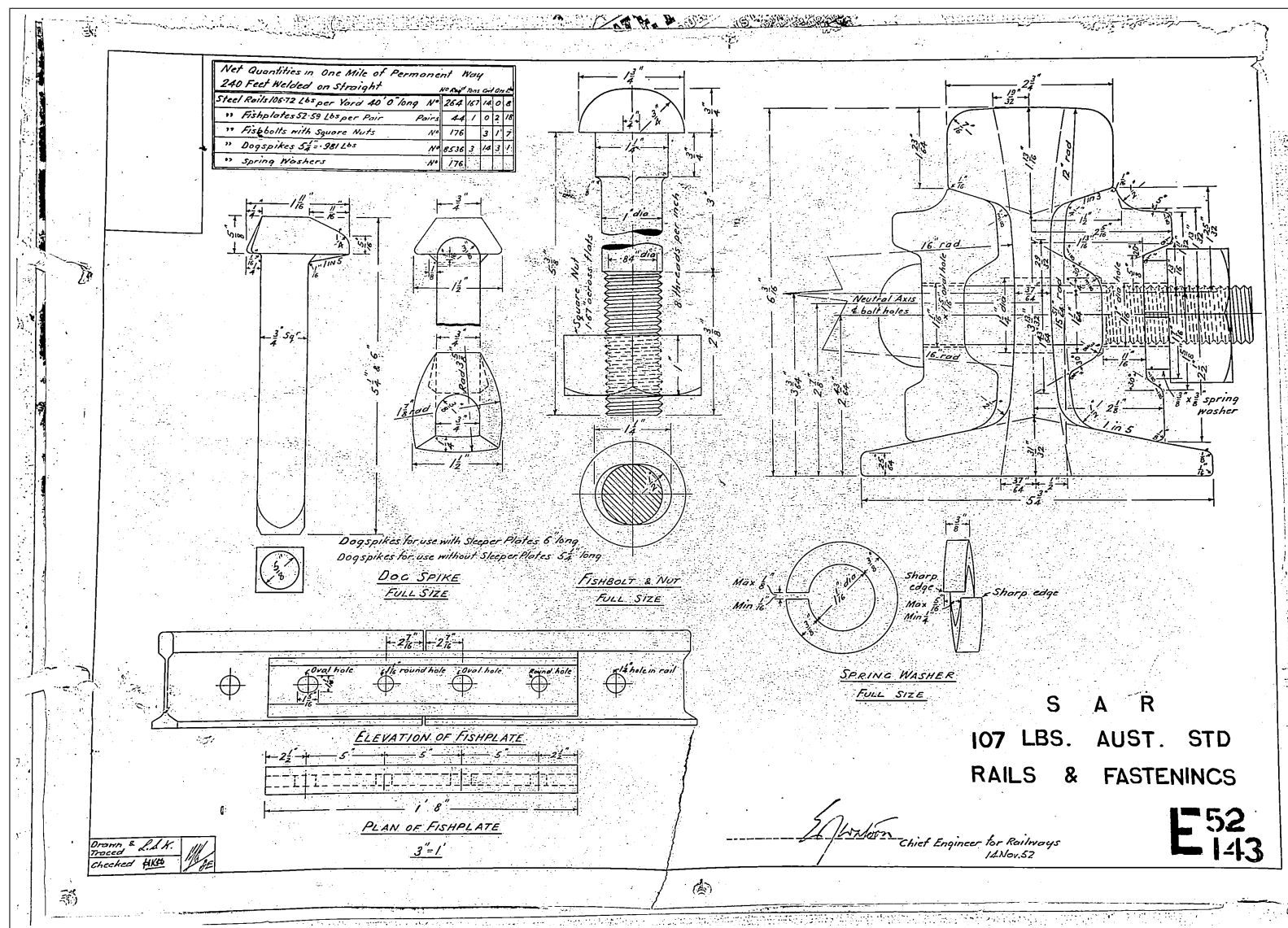
2.75 SAR 82LBS Aust Std Rails and Fastenings - E39/25



PlanId: E39/25



2.77 SAR 107LBS Aust Std Rails and Fastenings - E52/143



PlanId: E52/143

INDEX

Cover, 1, 3

Crossing

1 in 8, 79

K Crossing, 66–68, 74–79

V, 9, 10

V Crossing, 11, 17–19, 22–24

Diagrams, 8

Dog spike, 80, 82–85

Double compound

1 in 8, 15, 32, 34, 36

12ft, 37

15ft, 33, 35

Fishplate

100AS to 60A, 44

100AS to 60AS, 43

100AS to 80A, 42

100AS to 80AS, 41

50A to 41, 63

50A to 50-1/2, 62

60A to 41, 59

60AS B to 41, 70

60AS B to 50-1/2, 72

60AS B to 60A, 71

60AS to 41, 56

60AS to 50-1/2, 57

60AS to 50A, 55, 58

60AS to 60A, 54

61 to 50A, 61

61 to 60A, 60

61 to 60AS, 40

80A to 50A, 53

80A to 60A, 39

80A to 60AS, 51

80A to 61, 52

80AS, 45

80AS to 50-1/2, 50

80AS to 50A, 49

80AS to 60A, 47

80AS to 60AS, 46

80AS to 60AS B, 69

80AS to 61, 48

80AS to 80A, 45

90AS to 60A, 65

90AS to 80A, 64

94AS, 64

Fixed Point, 29–31

Junction joint

100AS to 60A, 44

100AS to 60AS, 43

100AS to 80A, 42

100AS to 80AS, 41

50A to 50-1/2, 62

60AS B to 41, 70

60AS B to 50-1/2, 72

60AS to 50-1/2, 57

60AS to 50A, 55, 58

61 to 60A, 60

61 to 60AS, 40

80A, 64

80A to 50A, 53

80A to 60A, 39

80A to 60AS, 51

80AS to 50A, 49

80AS to 60A, 47

80AS to 60AS, 46

80AS to 60AS B, 69

80AS to 61, 48

90AS to 60A, 65

PlanId	D30/84, 43
C34/1, 9	D30/85, 44
C35/23, 10	D30/86, 45
C35/24, 11	D30/87, 46
C36/2, 12	D30/88, 47
C36/3, 13	D30/89, 48
C36/63, 14	D30/90, 49
C38/68, 15	D30/90A, 50
C38/69, 16	D30/91, 51
C43/112, 20	D30/92, 52
C43/113, 21	D30/93, 53
C43/67, 17	D30/94, 54
C43/68, 18	D30/95, 55
C43/69, 19	D30/96, 56
C45/45, 22	D30/97, 57
C45/46, 23	D30/98, 58
C45/47, 24	D30/99, 59
C46/40, 25	D35/12, 64
C46/41, 26	D35/53, 65
C46/42, 27	D35/74, 66
C46/43, 28	D35/75, 67
C46/44, 29	D35/76, 68
C46/45, 30	D37/87, 69
C46/46, 31	D37/96, 70
C47/13, 34	D38/30, 71
C47/14, 35	D38/31, 72
C47/27, 36	D42/103, 73
C47/28, 37	D45/56, 74
C47/45, 32	D45/57, 75
C47/6, 33	D45/58, 76
C54/9, 38	D45/59, 77
Cover , 3	D45/60, 78
D29/33, 39	D45/61, 79
D29/38, 40	E33/1, 80
D30/100, 60	E35/68, 81
D30/101, 61	E35/74, 84
D30/102, 62	E39/18, 82
D30/103, 63	E39/25, 83
D30/82, 41	E52/143, 85
D30/83, 42	Plate

For Sleeper, 81
Point
Fixed, 29–31

Rail

1 in 8, 16
100AS, 41–44
107AS, 38, 85
50-1/2, 72
50-1/2LBS, 57
50A, 49, 53, 55, 58, 62, 63, 81
50A to 41, 63
50A to 50, 62
50LBS, 61
60A, 39, 40, 44, 47, 59, 81
60A to 41, 59
60AS, 43, 46, 51, 54–58, 65, 69–72, 84
60AS B to 41, 70
60AS B to 60A, 71
60AS to 41, 56
60AS to 60A, 54
60LBS, 60
61 to 50A, 61
63AS, 22–26, 28, 30, 31, 34–37, 77–79
80A, 39, 42, 51–53
80A to 61, 52
80AS, 41, 45–50, 69, 81
80AS to 50-1/2, 50
80AS to 80A, 45
82AS, 17–21, 27, 29, 31–33, 74–76, 83
90AS, 10–15, 18, 65–68
90AS to 80A, 64
90LBS, 9, 18, 64
94AS, 81, 82
94LBS, 64
61, 40, 48
Dog Spike, 82–85
K Crossing, 66–68, 74–79
V Crossing, 9–11, 17–19, 22–24
Washer, 82–85

Sleeper Plate, 81
Spring Washer, 82–85
Switch
12ft, 27, 28
15ft, 12, 16, 20, 25
20ft, 13, 21, 26, 38
30ft, 14
Adjustable Self Reversing, 73





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

South Australian Railways Standard Crossing Diagrams

NRM-DB05 - August 8, 2024

S A R
I IN 4 K CROSSING
63 LBS A. S. RAILS

45

64