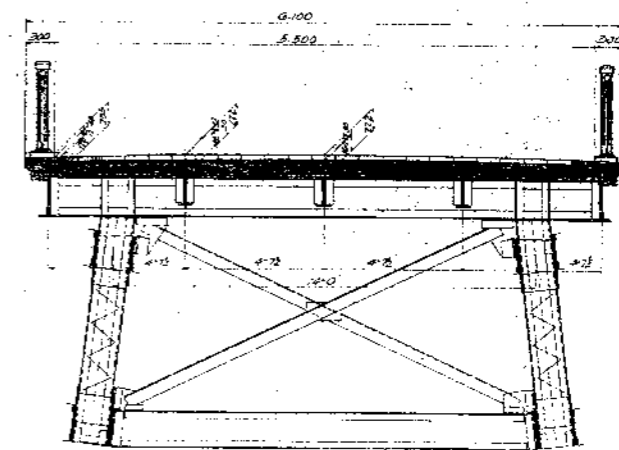
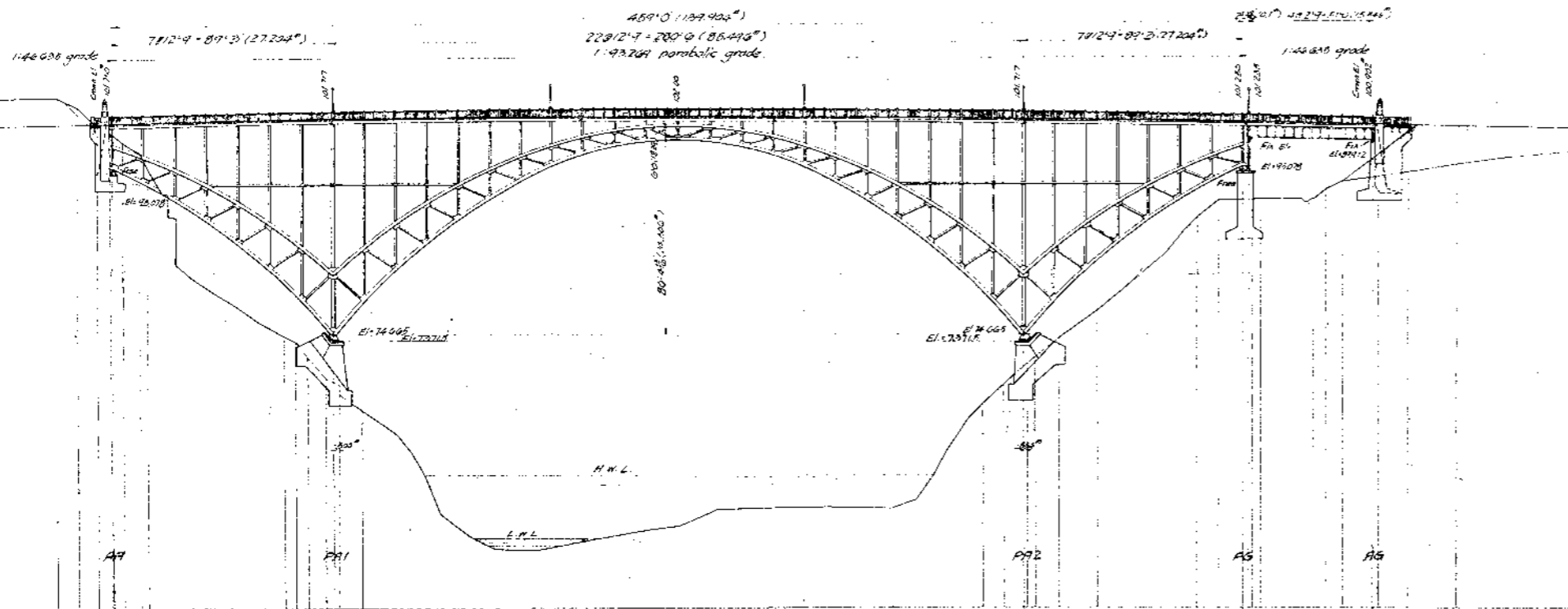


GENERAL PLAN



CROSS SECTION

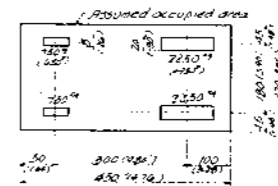
Scale 1:30



GENERAL ELEVATION

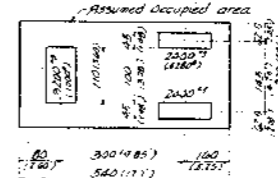
Assumed Loadings
 Uniform load on roadway $w = \frac{100,000}{150 \times L} = 500 \frac{\text{kg}}{\text{sq m}}$ or $54 \frac{\text{kg}}{\text{sq ft}}$
 where w = Uniform load in kg per square meter
 L = Span length in meter

For motor truck loading



2 rows of motor truck traffic on roadway with occupied width of 1.70m (5.58ft) each unoccupied space of front and rear and also sides of motor truck shall be filled with uniform load specified above.

For road roller

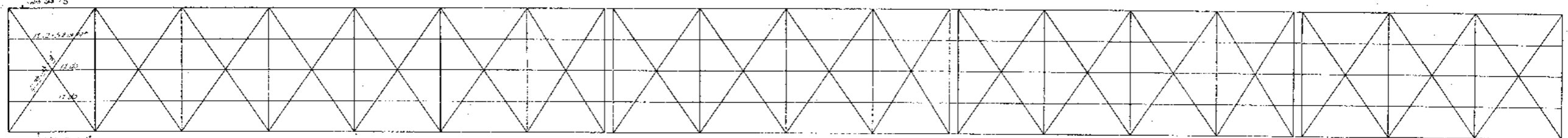


One road roller on span
 Impact for motor truck loading $\frac{30}{L}$
 where L = Span length in meter
 Max impact 30%
 no impact for road roller and uniform load.

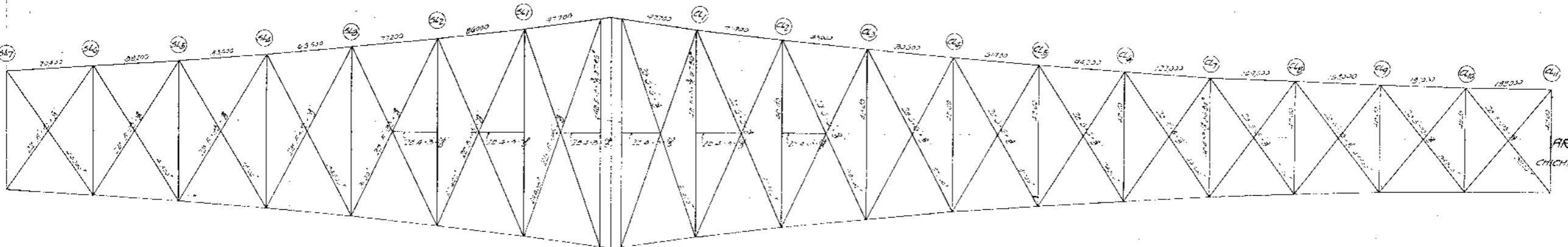
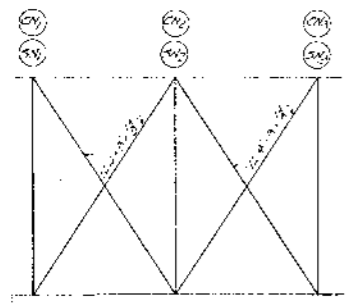
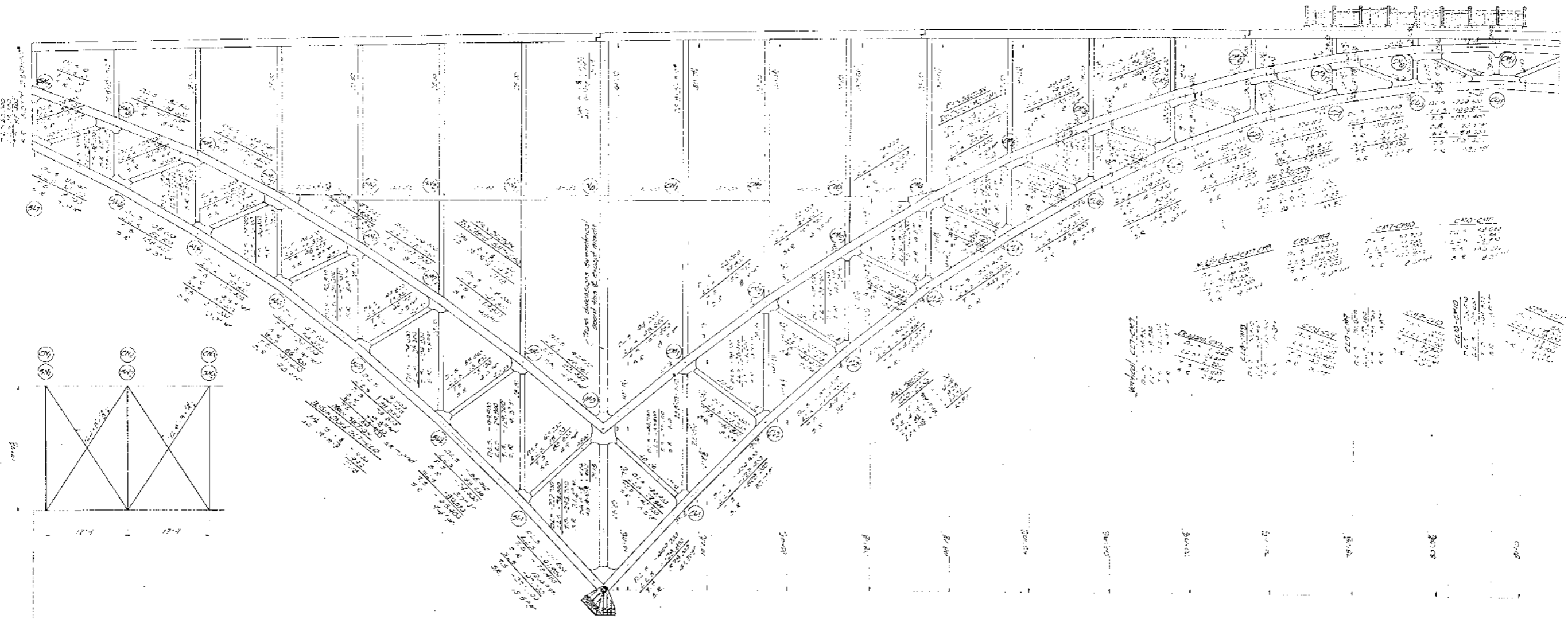
Stationing	Ground Elevation	Bridge Deck Elevation	Arch Elevation	Notes
0+00	146.00	146.00		
1+00	145.50	145.50		
2+00	145.00	145.00		
3+00	144.50	144.50		
4+00	144.00	144.00		
5+00	143.50	143.50		
6+00	143.00	143.00		
7+00	142.50	142.50		
8+00	142.00	142.00		
9+00	141.50	141.50		
10+00	141.00	141.00		
11+00	140.50	140.50		
12+00	140.00	140.00		
13+00	139.50	139.50		
14+00	139.00	139.00		
15+00	138.50	138.50		
16+00	138.00	138.00		
17+00	137.50	137.50		
18+00	137.00	137.00		
19+00	136.50	136.50		
20+00	136.00	136.00		
21+00	135.50	135.50		
22+00	135.00	135.00		
23+00	134.50	134.50		
24+00	134.00	134.00		
25+00	133.50	133.50		
26+00	133.00	133.00		
27+00	132.50	132.50		
28+00	132.00	132.00		
29+00	131.50	131.50		
30+00	131.00	131.00		
31+00	130.50	130.50		
32+00	130.00	130.00		
33+00	129.50	129.50		
34+00	129.00	129.00		
35+00	128.50	128.50		
36+00	128.00	128.00		
37+00	127.50	127.50		
38+00	127.00	127.00		
39+00	126.50	126.50		
40+00	126.00	126.00		
41+00	125.50	125.50		
42+00	125.00	125.00		
43+00	124.50	124.50		
44+00	124.00	124.00		
45+00	123.50	123.50		
46+00	123.00	123.00		
47+00	122.50	122.50		
48+00	122.00	122.00		
49+00	121.50	121.50		
50+00	121.00	121.00		
51+00	120.50	120.50		
52+00	120.00	120.00		
53+00	119.50	119.50		
54+00	119.00	119.00		
55+00	118.50	118.50		
56+00	118.00	118.00		
57+00	117.50	117.50		
58+00	117.00	117.00		
59+00	116.50	116.50		
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63+00	114.50	114.50		
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66+00	113.00	113.00		
67+00	112.50	112.50		
68+00	112.00	112.00		
69+00	111.50	111.50		
70+00	111.00	111.00		
71+00	110.50	110.50		
72+00	110.00	110.00		
73+00	109.50	109.50		
74+00	109.00	109.00		
75+00	108.50	108.50		
76+00	108.00	108.00		
77+00	107.50	107.50		
78+00	107.00	107.00		
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82+00	105.00	105.00		
83+00	104.50	104.50		
84+00	104.00	104.00		
85+00	103.50	103.50		
86+00	103.00	103.00		
87+00	102.50	102.50		
88+00	102.00	102.00		
89+00	101.50	101.50		
90+00	101.00	101.00		
91+00	100.50	100.50		
92+00	100.00	100.00		
93+00	99.50	99.50		
94+00	99.00	99.00		
95+00	98.50	98.50		
96+00	98.00	98.00		
97+00	97.50	97.50		
98+00	97.00	97.00		
99+00	96.50	96.50		
100+00	96.00	96.00		

ARAKAWA-BASHI
 CHICHIBU-MITSUMINE LINE
 SAITAMA-KEN
 GENERAL ELEVATION & PLAN
 Scale 1:300
 unless noted

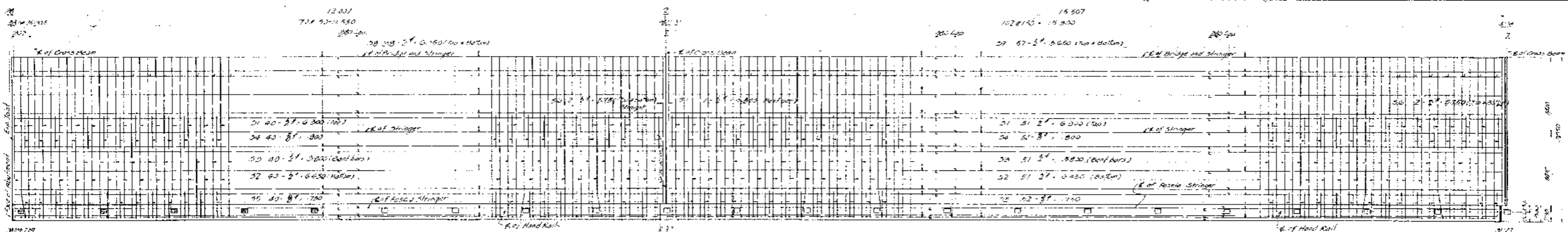
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72 12-9-1813

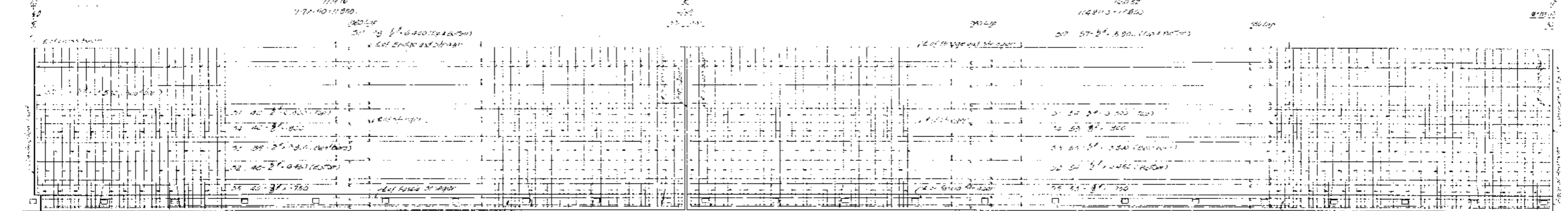


ARAKAWA-BASHI
 CHICHIBU-MITSUMINE LINE
 SAITAMA-KEN
 STRESS SHEET
 scale 1:80



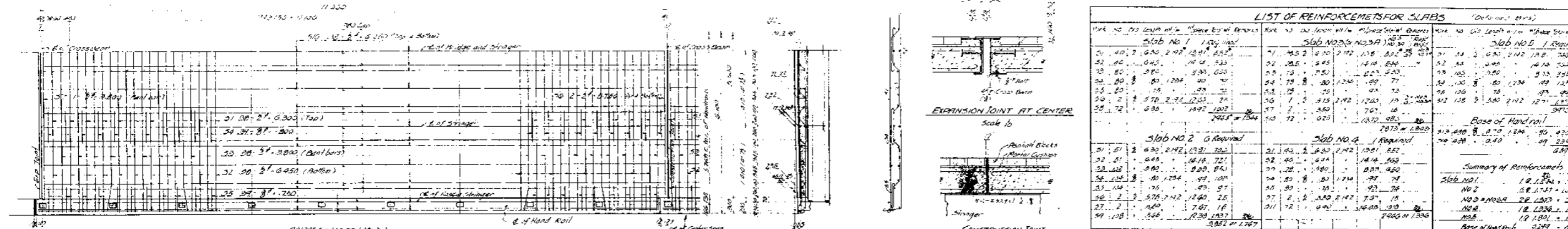
SLAB NO. 1

SLAB NO. 2



SLAB NO. 3

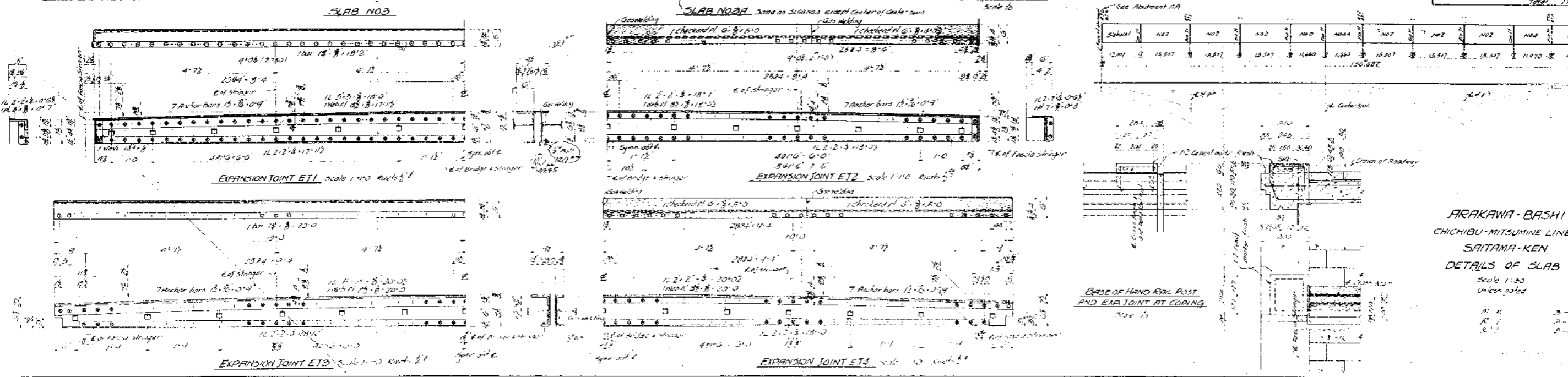
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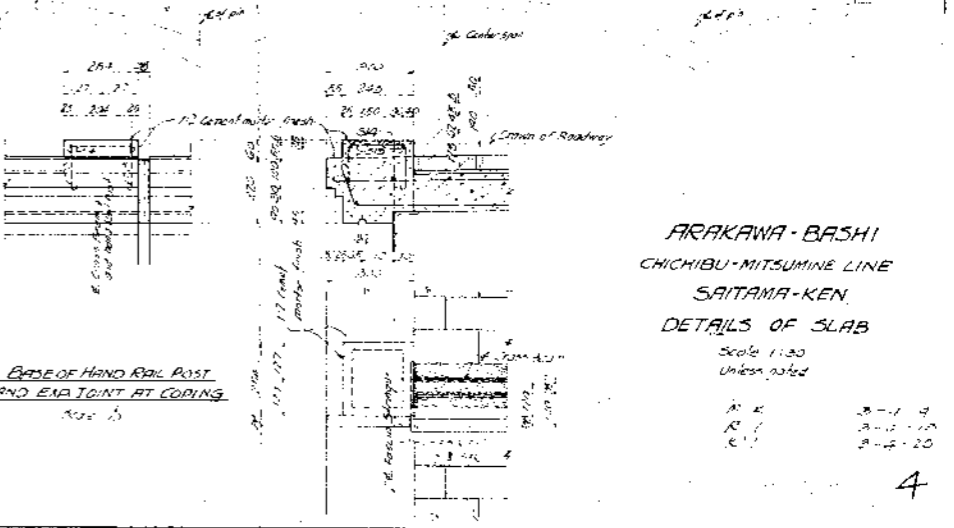
SLAB NO. 5

SLAB NO. 6

LIST OF REINFORCEMENTS FOR SLABS											
Slab No.	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Total
Slab No. 1	21	22	23	24	25	26	27	28	29	30	31
Slab No. 2	32	33	34	35	36	37	38	39	40	41	42
Slab No. 3	43	44	45	46	47	48	49	50	51	52	53
Slab No. 4	54	55	56	57	58	59	60	61	62	63	64
Slab No. 5	65	66	67	68	69	70	71	72	73	74	75
Slab No. 6	76	77	78	79	80	81	82	83	84	85	86
Summary of Reinforcements											
Slab No. 1											18,124
Slab No. 2											28,124
Slab No. 3											18,124
Slab No. 4											18,124
Slab No. 5											18,124
Slab No. 6											18,124
Total											117,800

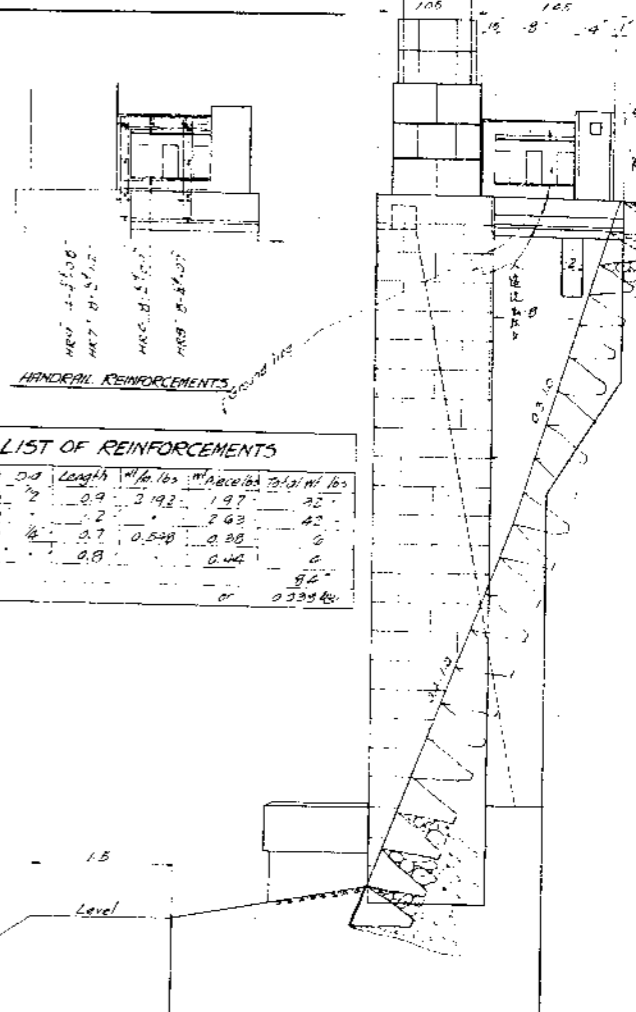
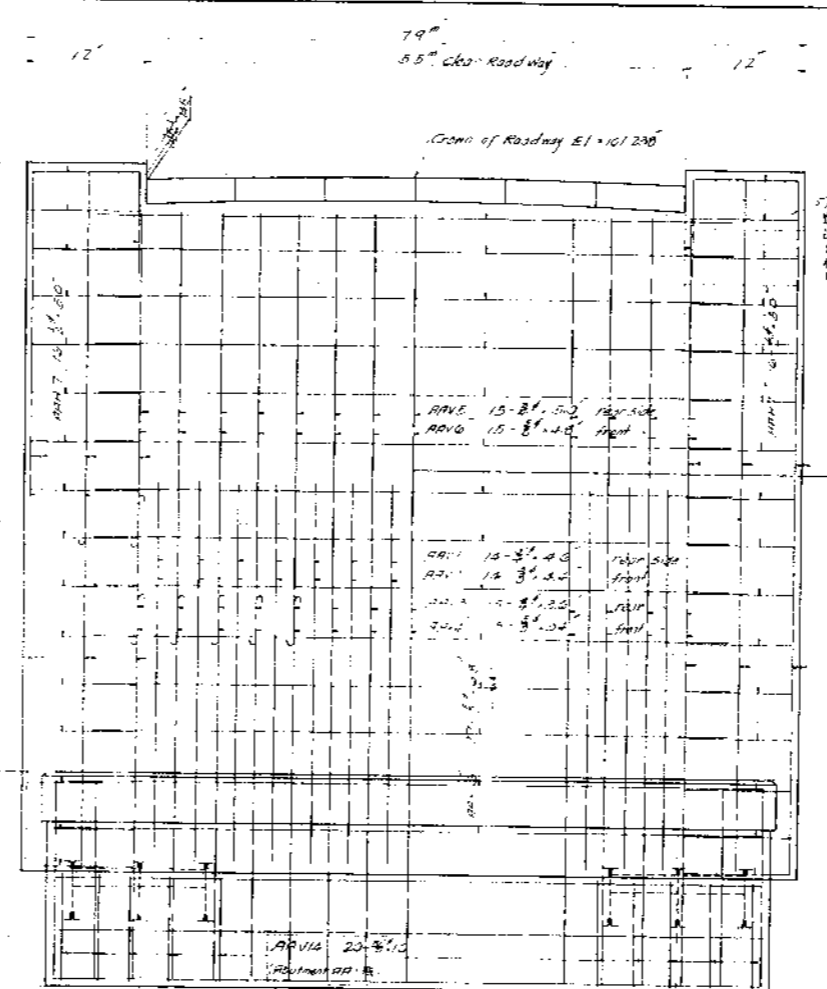
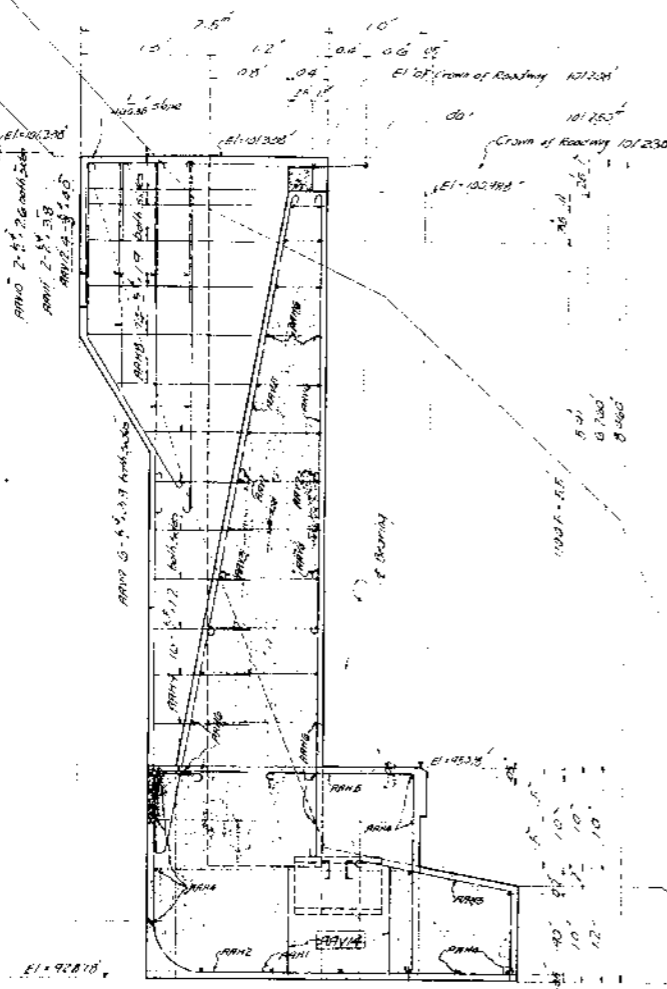
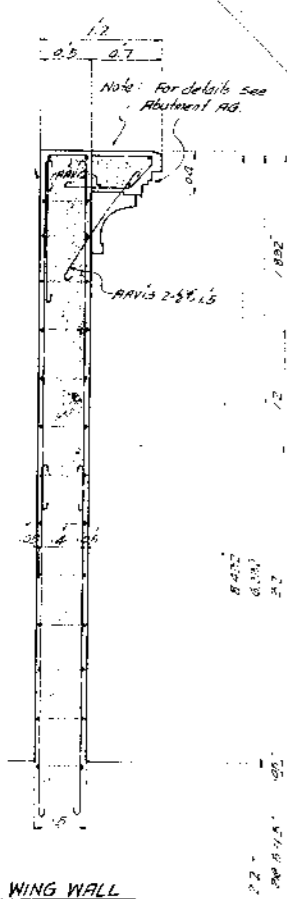


Slab No.	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Total
102	15,847	14,871	15,847	14,840	15,847	14,840	15,847	14,840	15,847	14,840	140,872



ARAKAWA-BASHI
CHICHIBU-MITSUMINE LINE
SAITAMA-KEN
DETAILS OF SLAB

Scale 1:30
Unless noted

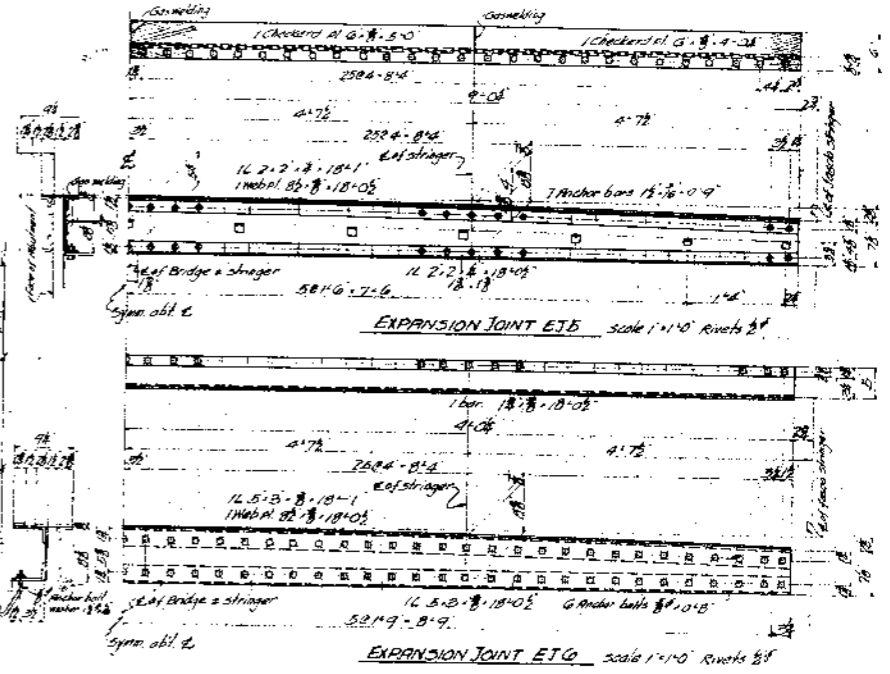
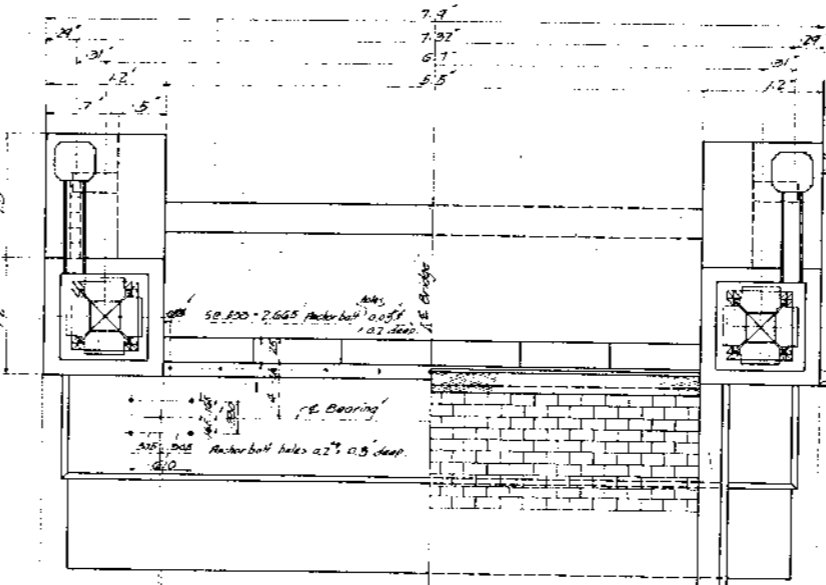
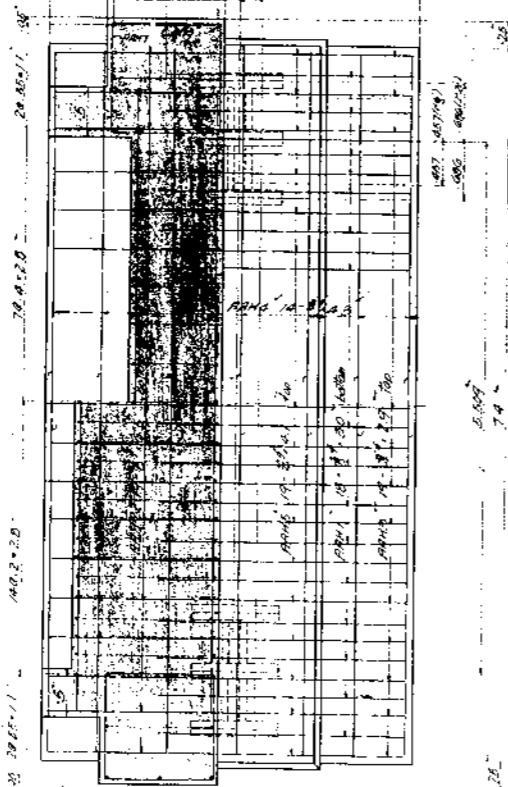


LIST OF REINFORCEMENTS

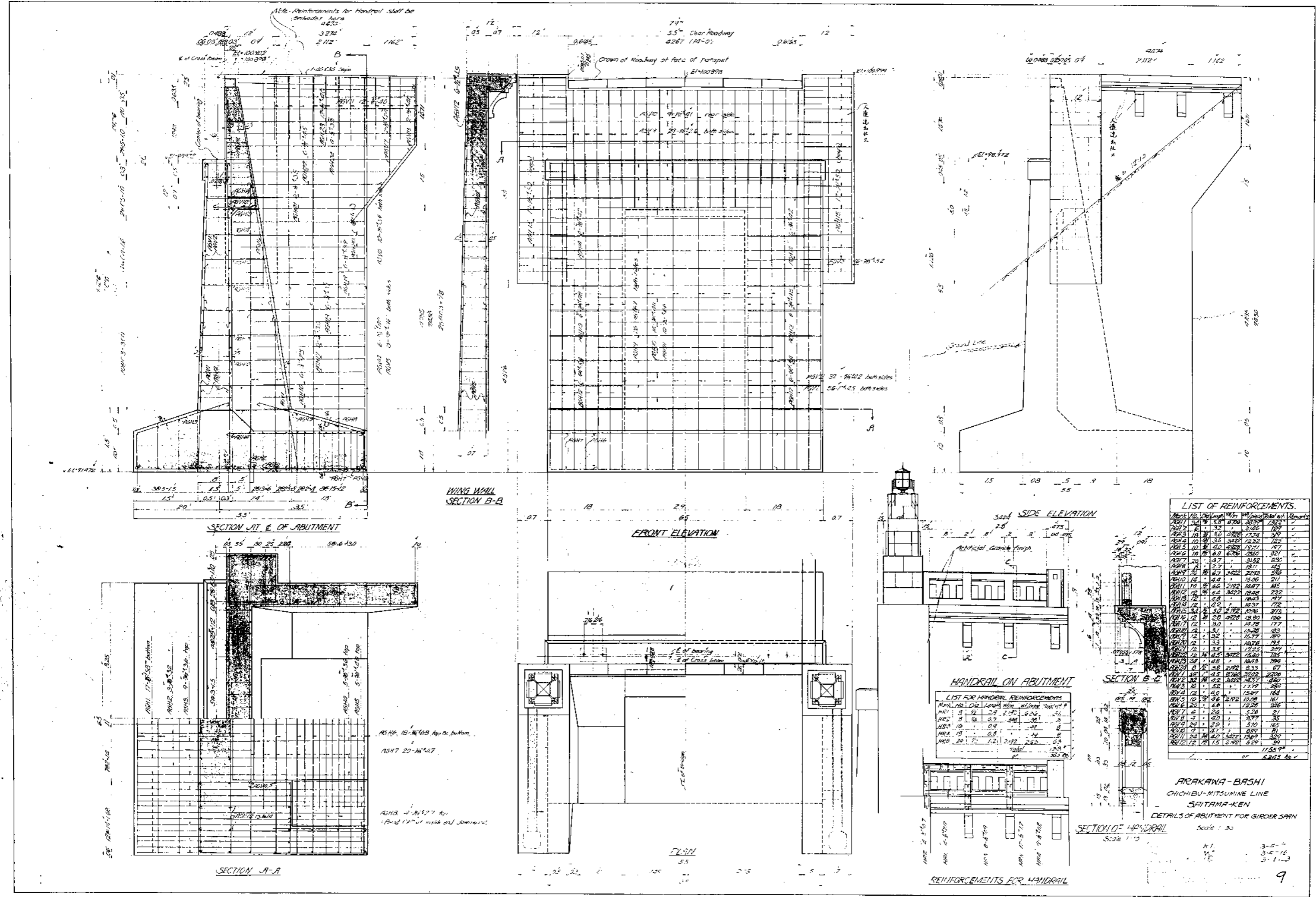
MARK	NO	SIZE	Length	Wt. lbs	No. Pieces	Total Wt. lbs
R10	10	1/2"	0.9	3.192	197	628
R11	11	3/8"	1.2	2.623	42	110
R12	12	1/2"	0.548	0.88	6	5.28
R13	13	3/8"	0.8	0.442	6	2.652
Total						753
or						735 lbs

LIST FOR REINFORCEMENTS

MARK	NO	SIZE	Length	Wt. lbs	No. Pieces	Total Wt. lbs
R14	14	3/8"	3.0	4.706	20.17	82.8
R15	15	3/8"	0.5	0.768	23.67	18.2
R16	16	3/8"	2.9	4.428	14.24	57.2
R17	17	3/8"	4.3	6.452	21.19	84.7
R18	18	3/8"	4.1	6.176	20.20	80.7
R19	19	3/8"	4.8	7.224	23.27	92.8
R20	20	3/8"	3.0	4.706	10.96	43.1
R21	21	3/8"	1.9	2.888	4.16	16.1
R22	22	3/8"	1.2	1.856	2.63	10.6
R23	23	3/8"	6.6	9.924	22.67	90.7
R24	24	3/8"	4.6	6.912	18.06	70.7
R25	25	3/8"	3.6	5.408	17.74	69.6
R26	26	3/8"	3.4	5.132	16.63	65.4
R27	27	3/8"	5.0	7.424	24.64	96.7
R28	28	3/8"	4.8	7.148	24.63	96.6
R29	29	3/8"	4.2	6.304	20.70	81.0
R30	30	3/8"	1.4	2.112	2.40	9.4
R31	31	3/8"	3.0	4.706	3.34	13.1
R32	32	3/8"	2.6	4.112	3.23	12.7
R33	33	3/8"	3.8	5.696	3.33	13.0
R34	34	3/8"	4.0	6.016	3.62	14.2
R35	35	3/8"	1.5	2.256	3.27	13.0
Total						878
or						867 lbs



ARAKAWA-BASHI
CHICHIBU-MITSUMINE LINE
SAITAMA-KEN
DETAILS OF ABUTMENT FOR TRUSS SIDE SPAN, 1A
Scale: 1:20
Unless noted



Note: Reinforcements for Handrail shall be embedded in concrete.

79" Clear Roadway
2267 (14'-0")

Crown of Roadway at face of parapet
EI-100878

SECTION AT E. OF ABUTMENT

WING WALL SECTION B-B

FRONT ELEVATION

3404 SIDE ELEVATION

HANDRAIL ON ABUTMENT

SECTION B-C

LIST FOR HANDRAIL REINFORCEMENTS

MARK	NO.	LEN	WTH	WGT	REMARKS
HRA	1	2.8	2.17	6.25	
HRA	2	0.7	0.6	1.2	
HRA	3	0.7	0.6	1.2	
HRA	4	0.7	0.6	1.2	
HRA	5	1.2	2.92	2.62	
Total					12.3

LIST OF REINFORCEMENTS

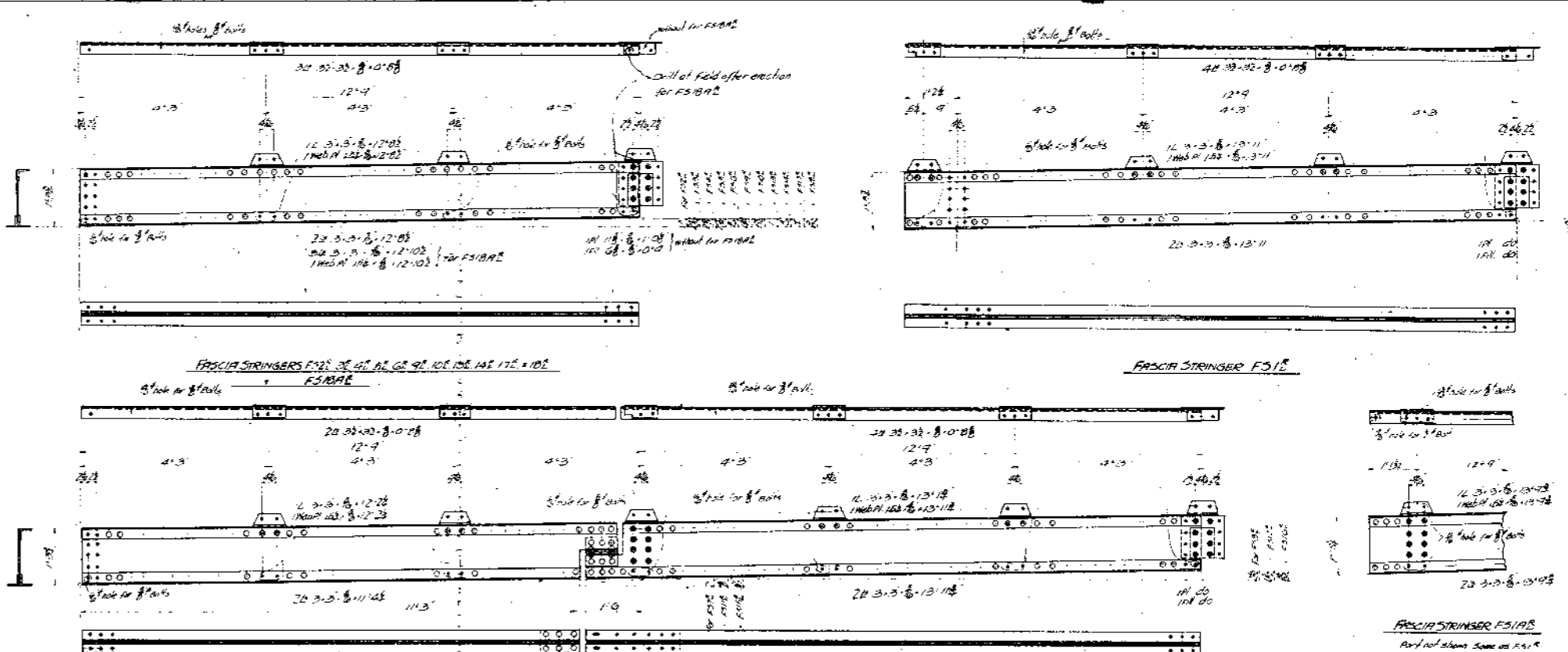
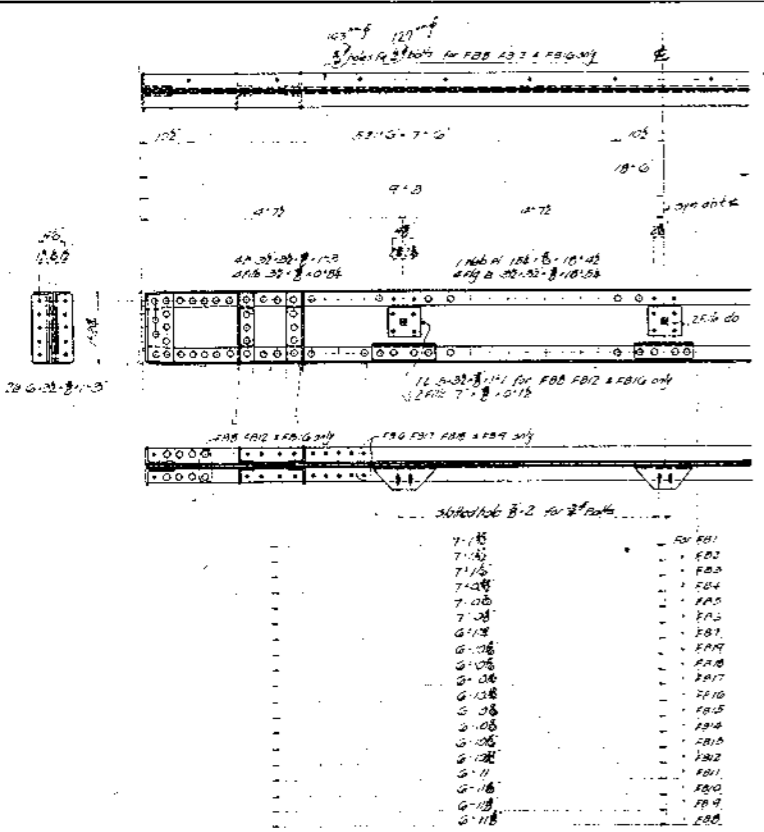
MARK	NO.	LEN	WTH	WGT	REMARKS
REIN	1	5.0	8.76	38.99	1822
REIN	2	3.0	2.16	1.89	
REIN	3	1.8	3.0	2.92	17.34
REIN	4	1.0	3.3	3.42	12.32
REIN	5	1.0	4.0	4.92	17.71
REIN	6	1.8	4.8	6.96	29.60
REIN	7	4.7	4.7	31.52	636
REIN	8	2.7	2.7	18.71	445
REIN	9	6.7	3.622	27.93	536
REIN	10	4.4	4.4	15.26	211
REIN	11	6.6	2.92	18.87	445
REIN	12	6.6	3.422	19.88	232
REIN	13	4.8	4.8	18.43	417
REIN	14	4.0	4.0	12.57	172
REIN	15	5.2	2.792	22.96	973
REIN	16	2.0	4.92	18.80	166
REIN	17	3.0	4.78	17.71	177
REIN	18	3.1	4.26	16.2	182
REIN	19	3.2	4.77	16.77	189
REIN	20	3.3	4.76	16.76	188
REIN	21	3.9	4.5	15.80	185
REIN	22	4.0	4.0	16.0	180
REIN	23	4.8	2.92	18.33	67
REIN	24	4.5	3.76	15.92	222
REIN	25	4.2	3.422	14.97	160
REIN	26	5.8	4.77	17.77	285
REIN	27	4.0	4.0	16.0	180
REIN	28	3.6	2.92	12.78	161
REIN	29	6.0	4.26	12.26	226
REIN	30	2.0	4.77	16.77	189
REIN	31	2.0	4.77	16.77	189
REIN	32	4.0	4.0	16.0	180
REIN	33	1.5	2.92	2.62	59
Total					11,559

ARAKAWA-BASHI
CHICHIBU-MITSUMINE LINE
SAITAMA-KEN
DETAILS OF ABUTMENT FOR GIRDER SPAN
Scale: 1/30

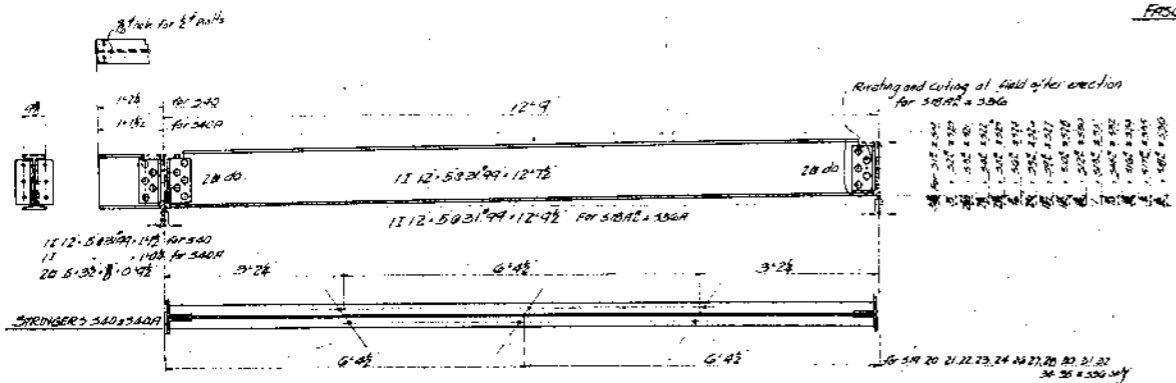
SECTION OF HANDRAIL
Scale: 1/10

REINFORCEMENTS FOR HANDRAIL

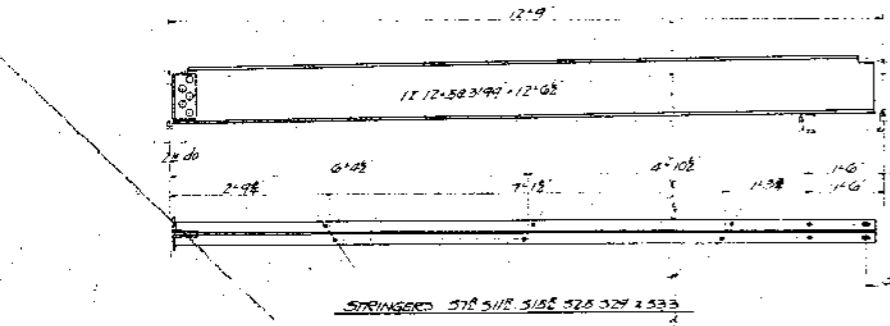
PLAN
55



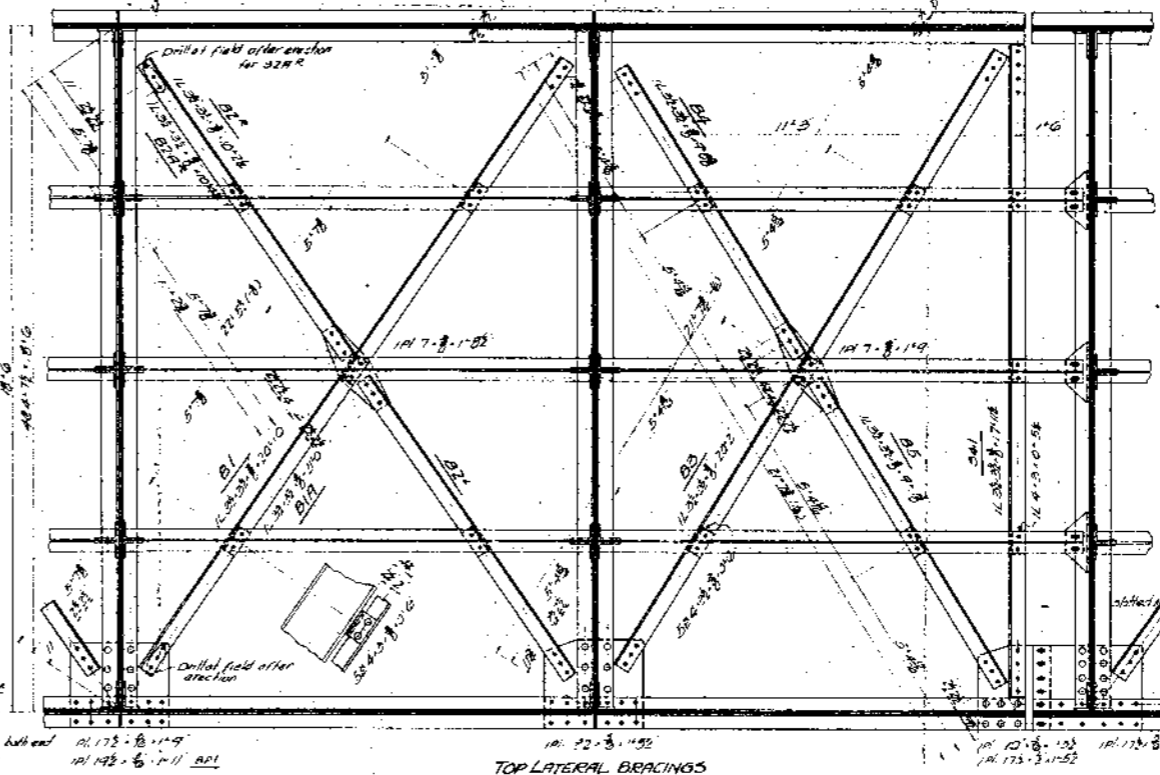
FLOOR BEAMS FBI FB1 FB2 FB3 FB4 FB5 FB6 FB7 FB8 FB9 FB10 FB11 FB12
 FB13 FB14 FB15 FB16 FB17 FB18 FB19 FB20



STRINGERS S1E S1F S1G S1H S1I S1J S1K S1L S1M S1N S1O S1P S1Q S1R S1S S1T S1U S1V S1W S1X S1Y S1Z
 S1A S1B S1C S1D S1E S1F S1G S1H S1I S1J S1K S1L S1M S1N S1O S1P S1Q S1R S1S S1T S1U S1V S1W S1X S1Y S1Z

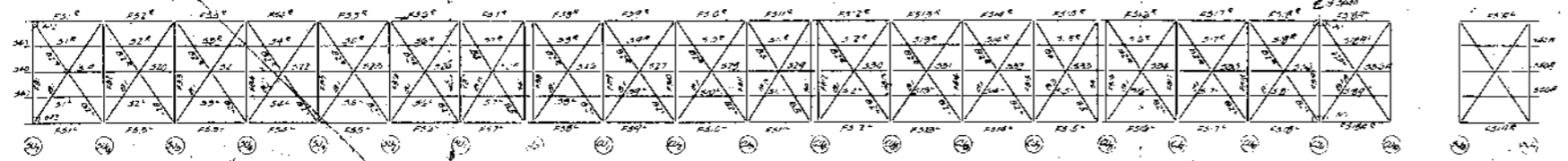


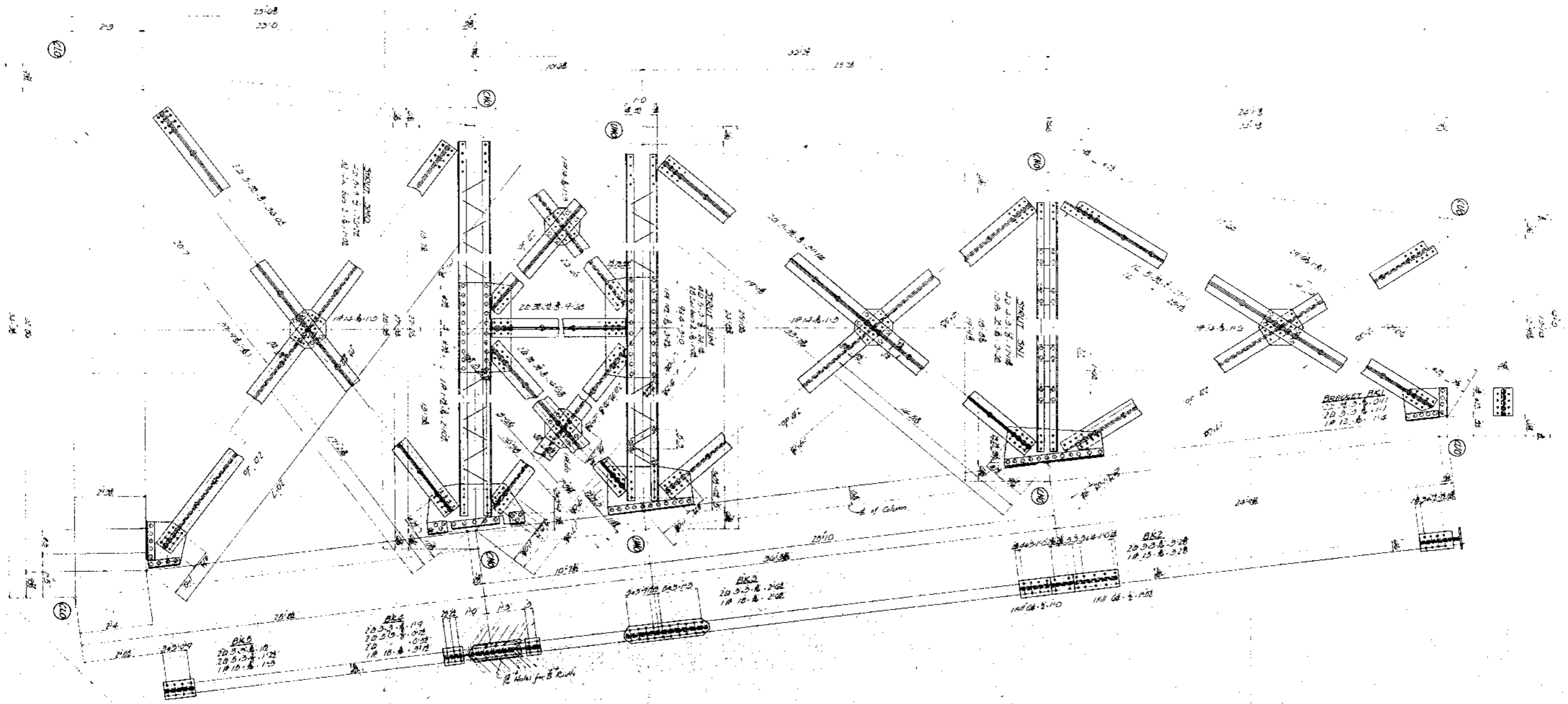
STRINGERS S2A S2B S2C S2D S2E S2F S2G S2H S2I S2J S2K S2L S2M S2N S2O S2P S2Q S2R S2S S2T S2U S2V S2W S2X S2Y S2Z



ARAKAWA-BASHI
 CHICHIBU-MITSUMINE LINE
 SAITAMA-KEN
 DETAILS OF FLOOR BEAMS STRINGERS AND
 TOP LATERAL BRACINGS FOR SIDE AND CENTER SPAN

GENERAL NOTE
 RIVETS
 OPEN HOLES





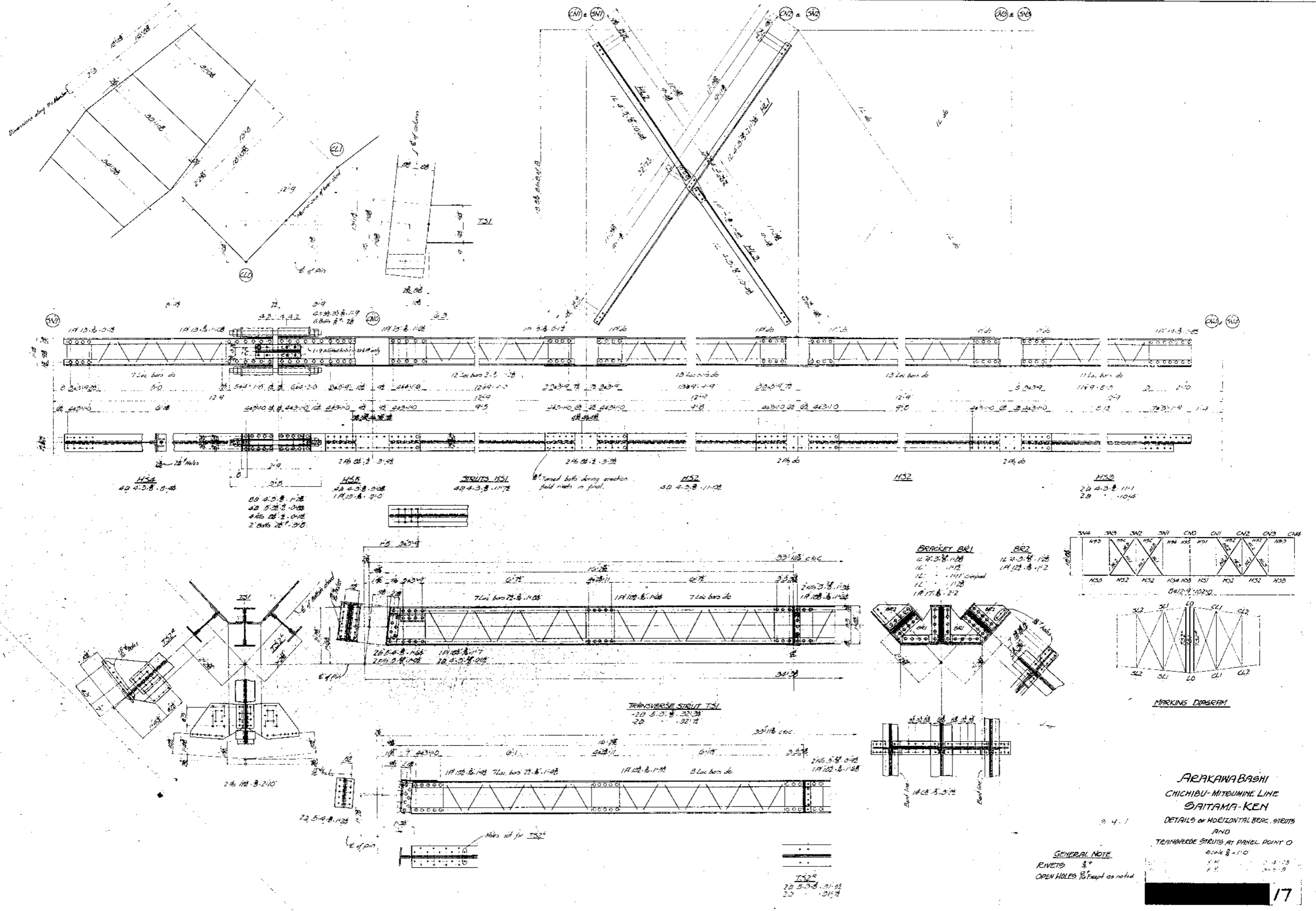
ARAKAWA-BASHI
 CHICHIBU-MITSUMINE LINE
 SAITAMA-KEN
 DETAILS OF SWAY BEARING
 PANEL POINT AT O
 SCALE 3/100

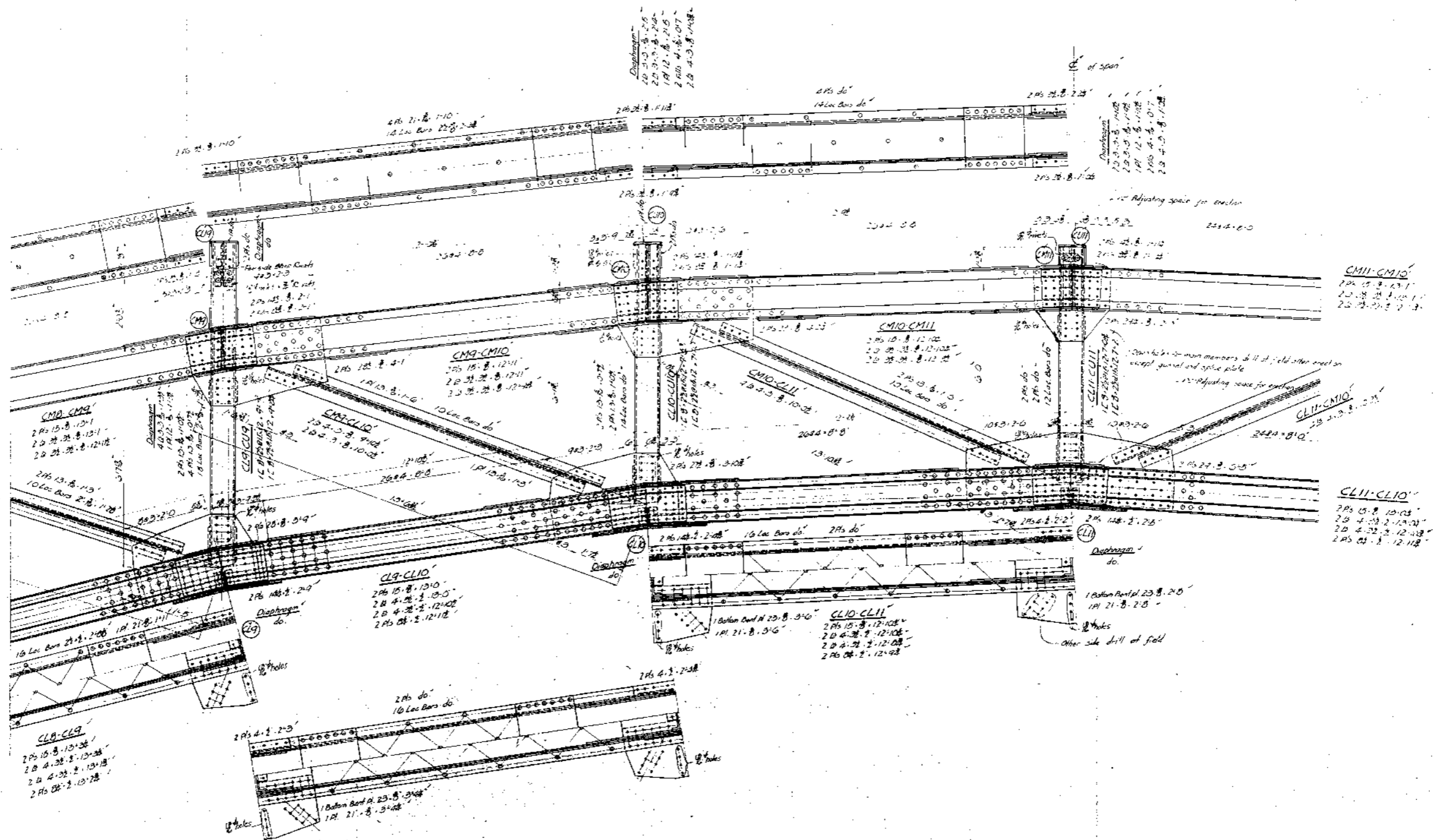
3-9-1

GENERAL NOTE
 QUANTITY 3
 OPENINGS 3

E.V. 3-5-33

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 増田洋氏建築事務所
 135





ARAKAWA-BASHI
 CHICHIBU-MITSUMINE LINE
 SAITAMA-KEN
 GENERAL DETAILS OF TRUSS
 PANELS CL9 TO CL11
 Scale 3/10

GENERAL NOTE
 RIVETS $\frac{3}{8}$ " except as noted
 OPEN HOLES $\frac{3}{8}$ "