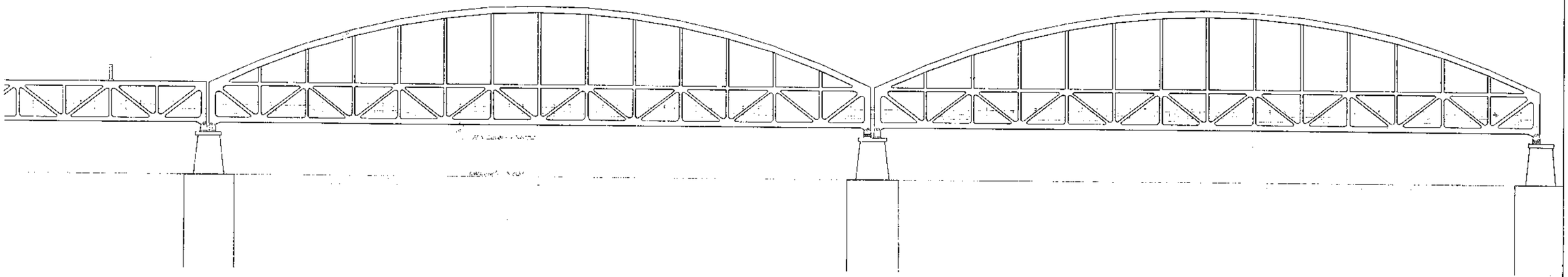
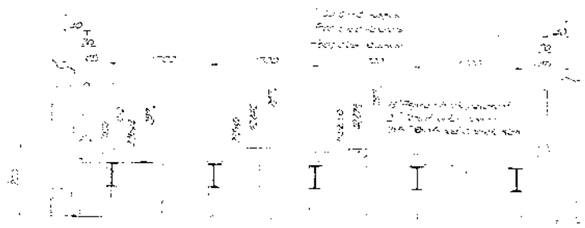


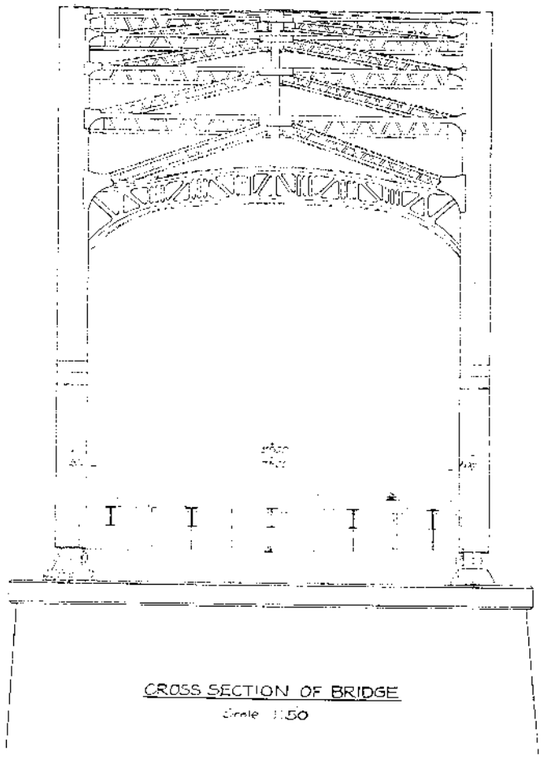
ELEVATION

Scale 1:50



CROSS SECTION OF FLOOR

Scale 1:40



CROSS SECTION OF BRIDGE

Scale 1:50

LIST OF DRAWINGS

1	General Plan & Profile	
2	General Elevation & Plan	
3	General Elevation of Truss and Cross section	
4	Details of East Abutment	
5	" " West	
6	Floating Caisson for Pier No 11	
7	" " " 10 and 12	
8	Outlet valves and removable wooden barrier for air caisson	
9	Details of concrete work in side of floating caisson for Piers 10 11 12	
10	Details of concrete work inside floating caisson for Piers 10 11 and 12	
11	Details of land caisson Piers 1 to 9 and 13	
12	Details of Hoist for air pump	
13	Main and working shafts for pneumatic caisson	
14	Main and minimal lock for pneumatic caisson	
15	Details of Footings	
16	Details of Vertical posts, top chord & lower chord of truss	
17	Details of Truss 1	
18	" " " 2	Steel work
19	" " " 3	
20	Details of Diagonals	
21	Details of lower chord splices & pins	
22	Details of Vertical posts, floor beams & sway braces	
23	Details of Truss 1	
24	" " " 2	
25	" " " 3	
26	" " " 4	
27	" " " 5	
28	" " " 6 & 7 spans	Iron work
29	Details of Diagonals & Verticals	
30	Details of Verticals upper portion	
31	Details of lower laterals	
32	Details of top laterals	
33	Details of floor beams, sway bracings & transverse struts	
34	Details of handrails & railings	

國道七號路線

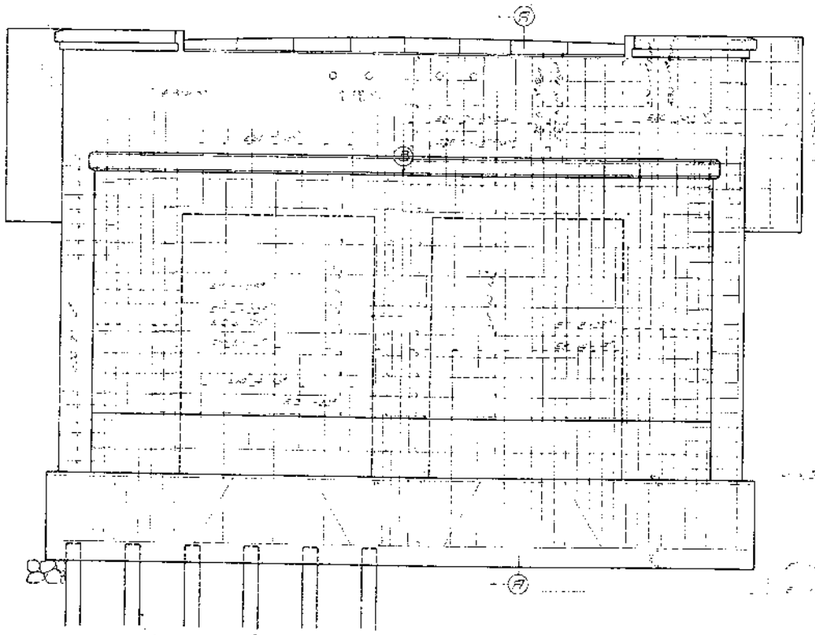
木曾川橋

愛知縣

GENERAL ELEVATION OF TRUSS AND CROSS SECTIONS

Scales as shown

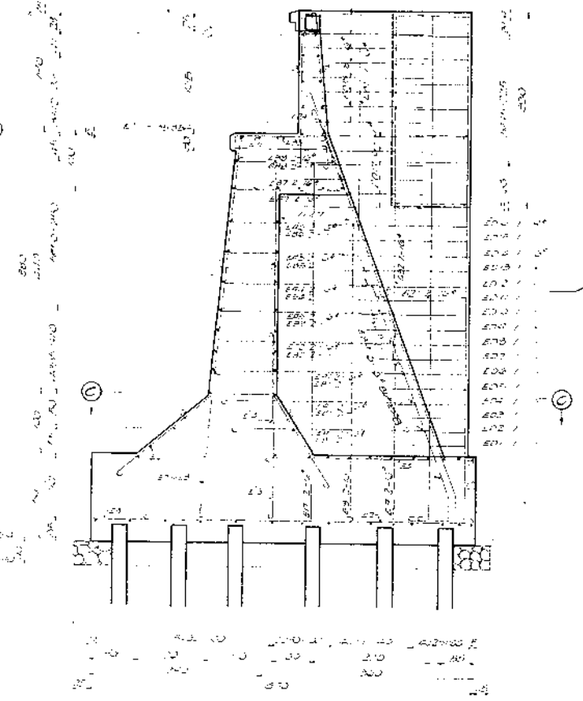
3



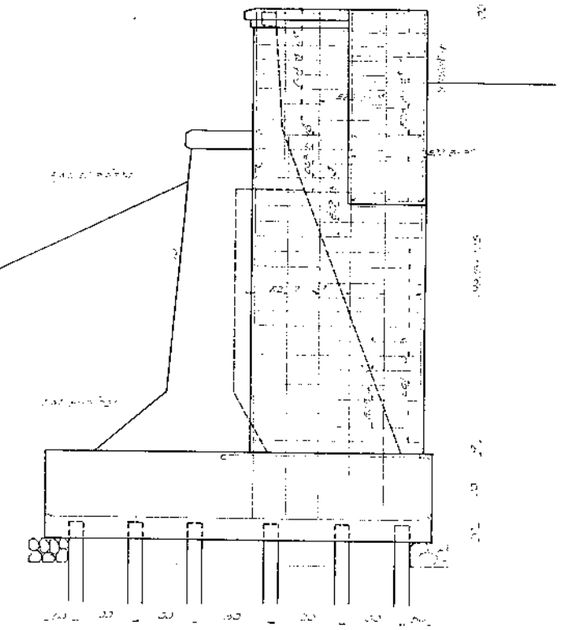
REAR Reinforcement

FRONT Reinforcement

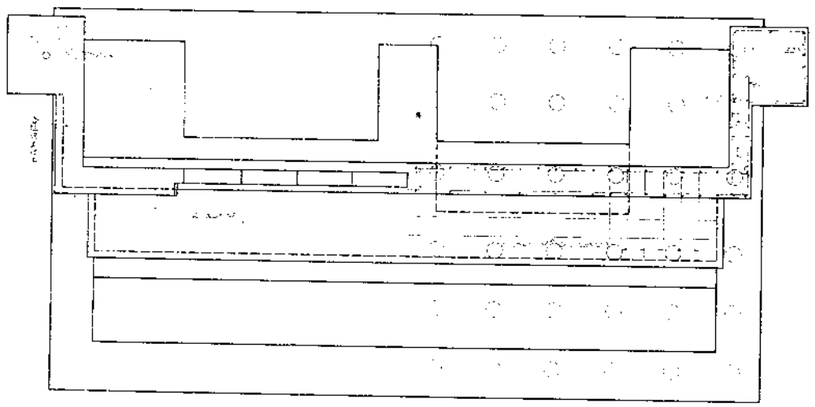
FRONT ELEVATION



SECTION A-A

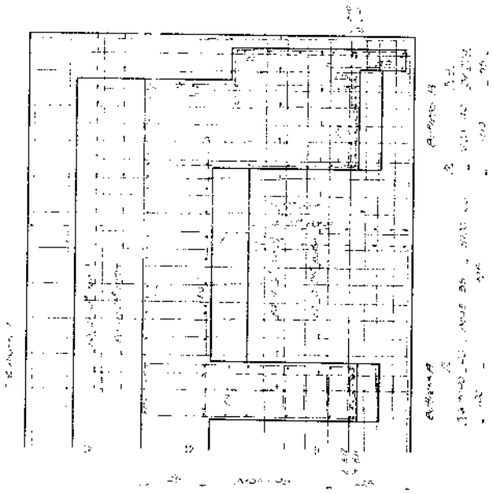


SIDE ELEVATION



HALF PLAN

HALF SECTIONAL PLAN B-B



SECTIONAL PLAN C C

LIST OF REINFORCEMENTS

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

閩通代建路線

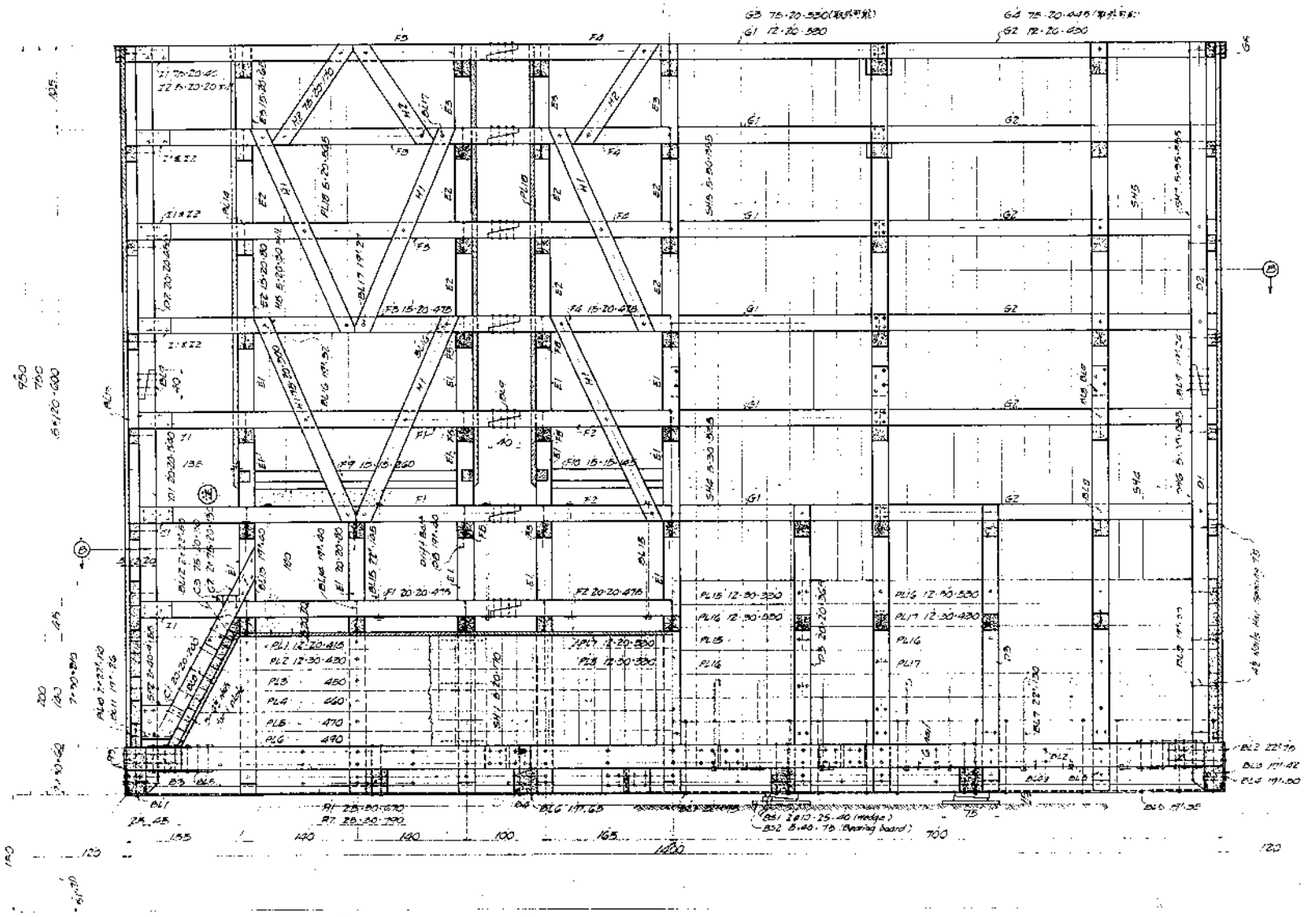
木曽川橋

愛知県

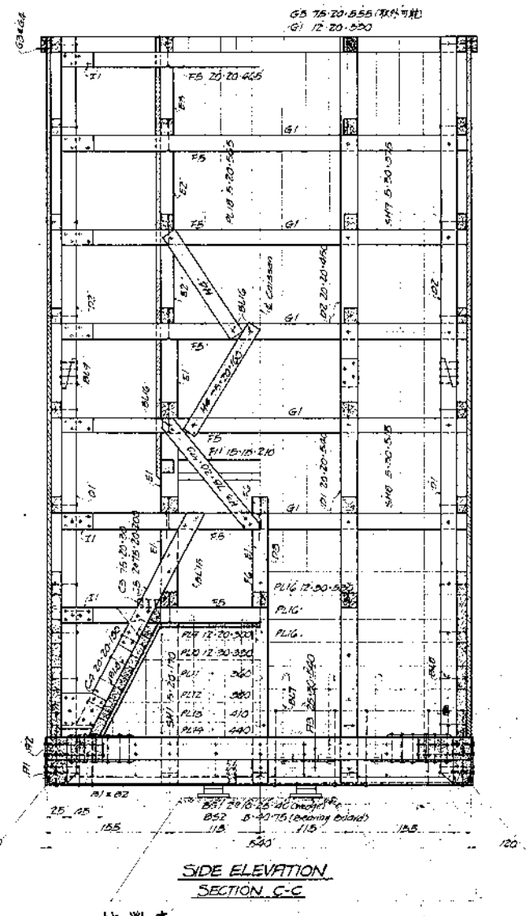
DETAILS OF EAST ABUTMENT

Scale 1:40

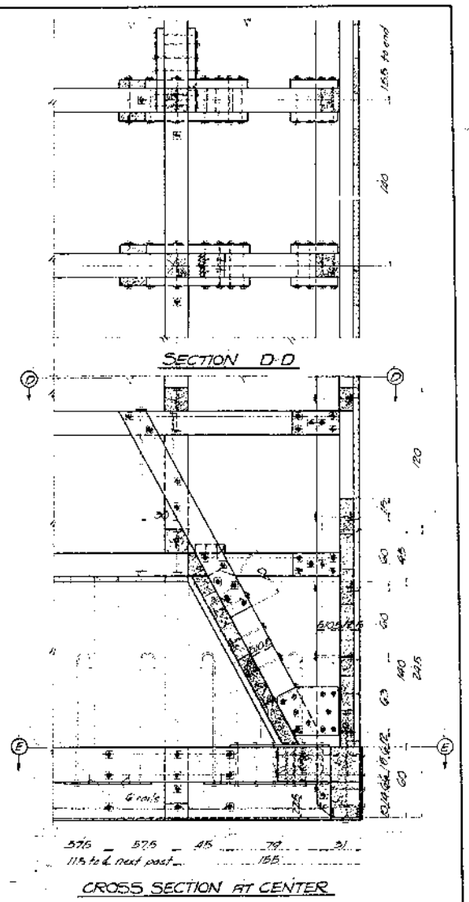
4



ELEVATION
SECTION A-A

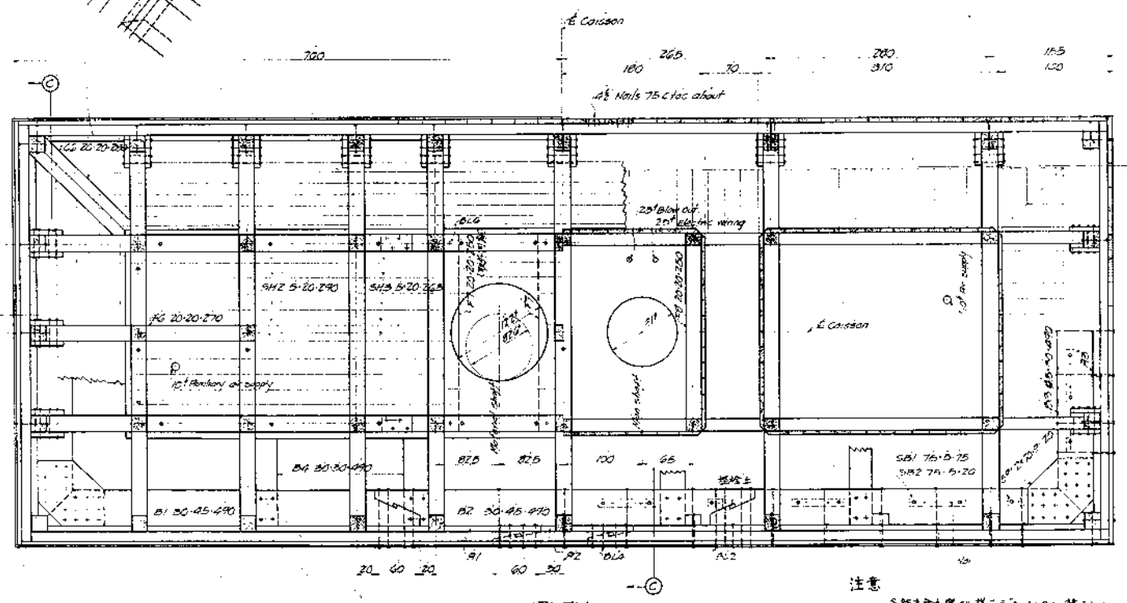


SIDE ELEVATION
SECTION C-C



SECTION D-D

CROSS SECTION AT CENTER



PLAN
SECTION B-B

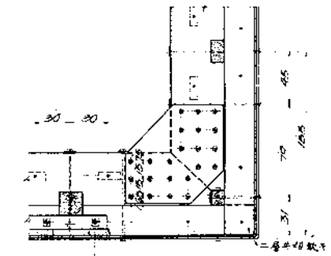
注意

各部寸法は大型二ヨリ「コーキング」使用ス。
接合ボルト位置等ハ實際ノ條件ニ適合スル様、中心線ヲ使用ス。

材料表

符號	員數	寸法	容積(m³)	摘要
木材 及 釘				
A 1	4	25.30.1.800	2.010	外口 側面
A 2	4	〃 〃 .740	1.370	〃 〃
A 3	4	〃 〃 .540	1.020	〃 〃
B 1	4	30.35.490	2.040	〃 側面
B 2	2	〃 〃 .490	1.323	〃 〃
B 3	2	〃 〃 .490	1.323	〃 〃
B 4	4	〃 30.460	1.764	外口切欠
C 1	6	20.20.1.200	.288	斜材 地面
C 2	12	15.20.1.150	.759	〃 〃
C 3	24	15.20.0.830	1.097	〃 〃
C 4	18	20.20.1.150	1.794	側壁
C 5	36	15.20.1.200	1.080	〃 〃
C 6	4	20.20.1.280	.448	四隅
D 1	18	20.20.1.840	3.888	壁 内 四側
D 2	18	〃 〃 .450	.3240	〃 〃
D 3	10	20.20.1.305	1.460	〃 〃
E 1	51	20.20.0.880	1.632	内部
E 2	28	15.20.0.880	.672	〃 〃
E 3	14	15.20.0.965	.273	〃 〃
F 1	12	20.20.1.475	2.280	竪 横
F 2	6	〃 〃 .475	1.140	〃 〃
F 3	14	15.20.1.475	2.280	〃 〃
F 4	8	〃 〃 .475	1.140	〃 〃
F 5	48	20.20.1.495	7.920	横材
F 6	4	〃 〃 .270	.432	〃 〃
F 7	4	〃 〃 .250	.400	外口 竪材
F 8	10	〃 〃 .250	1.000	隔壁間長間材
F 9	4	15.15.1.260	.234	下部 横材
F 10	4	〃 〃 .145	.131	
F 11	6	〃 〃 .210	.284	横材
G 1	24	12.20.1.930	3.053	斜材 壁 内
G 2	24	〃 〃 .230	.377	斜壁
G 3	2	15.20.1.250	.150	
G 4	4	〃 〃 .445	.267	
G 5	2	〃 〃 .555	.167	隔壁
H 1	24	〃 〃 .300	1.080	内部 底盤側面
H 2	12	〃 〃 .170	.306	
H 3	10	〃 〃 .140	.210	隔壁材
H 4	20	〃 〃 .160	.480	
H 5	12	15.〃 .930	.837	外口 補強隅角
I 1	236	15.〃 .640	1.416	切羽部 縦材
I 2	10	〃 〃 .620	.372	隔壁材
PL 1	8	12.20.1.415	.797	作業室側壁 横板
PL 2	4	12.30.1.430	.514	〃 〃
PL 3	4	〃 〃 .450	.538	
PL 4	12	〃 〃 .460	.662	
PL 5	4	〃 〃 .470	.677	
PL 6	4	〃 〃 .490	.705	
PL 7	4	12.20.1.330	.317	
PL 8	10	12.30.1.330	.495	
PL 9	4	12.20.1.300	.288	
PL 10	2	12.30.1.330	.238	

符號	員數	寸法	容積(m³)	摘要
PL 11	2	12.30.1.350	.252	作業室側壁横板
PL 12	2	〃 〃 .380	.274	
PL 13	2	〃 〃 .410	.295	
PL 14	2	〃 〃 .440	.317	
PL 15	8	〃 〃 .930	.1340	外側壁 横板
PL 16	86	〃 〃 .880	.6804	
PL 17	12	〃 〃 .890	.1068	
PL 18	114	15.20.1.665	.2031	内側壁 横
SH 1	150	〃 〃 .170	.2618	作業室内側壁縦
SH 2	30	〃 〃 .790	.1264	〃 〃
SH 3	26	〃 〃 .255	.0867	〃 〃
SH 4	88	15.30.1.530	.1062	側壁竪 横
SH 5	88	〃 〃 .355	.4396	
SH 6	4	15.35.1.225	.0375	
SH 7	4	〃 〃 .355	.249	
SH 8	30	15.30.1.515	.2781	横 竪
SH 9	30	〃 〃 .375	.2025	
BS1	16	10.25.1.040	.100	横
BS2	8	15.40.0.775	.120	〃
木材容積合計			103.260 m³	
金物ボールト 鐵鋼 部材				
符號	員數	寸法	一ヶ重量	重量(kg) 摘要
BL 1	06	22φ.0.09	.20	08.0 外口側壁補材
BL 2	128	22φ.0.75	.26	320.0 外口
BL 3	56	19φ.0.82	.11	61.6
BL 4	56	22φ.0.90	.8	448
BL 5	88	19φ.0.38	.15	88.0 四隅補強
BL 6	40	19φ.0.35	.06	24.0 竪材用ボルト補強
BL 7	44	22φ.0.30	.41	180.4 ボルト・ナット
BL 8	477	19φ.0.33	.9	429.3 内側壁横横縦 ボルト
BL 9	184	19φ.0.28	.7	128.8 内側壁竪横横縦補強
BL 10	54	22φ.0.50	.19	102.6 外口斜材壁材補材
BL 11	240	19φ.0.25	.8	192.0
BL 12	48	22φ.0.50	.18	86.4 斜材 切欠補材
BL 13	808	19φ.0.40	.11	888.8 斜材 切欠補材 横横補材
BL 14	110	19φ.0.60	.11	121.0 縦横切欠補材
BL 15	20	22φ.1.45	.45	130.5 作業室内作業用
BL 16	110	19φ.0.30	.9	106.4 竪 横用
BL 17	60	19φ.0.27	.8	48.0
DB	23	19φ.0.40	.11	25.3 横横切欠材
SB 1	16	75.1.00	.22	35.2 外口フランジ・ネット用ボルト
SB 2	12	75.0.80	.6	7.2
SP 1	8	20.9.170	.143	114.4 外口四隅板
SP 2	48	20.0.95	.155	744.0 外口竪支材用鐵板
特殊				150.0 作業室内用
6 鋼				30.0 竪 横 補強 ボルト・ナット用
9 鋼				50.0 横 横 作業室ブラケット用
鋼 計	4800	5.25.5.5	.118	566.4 内外ボルト・ナット用
金物容量			合計 = 8.2464 m³	約 = 8.246 m³
ナックル・鐵鋼				



SECTION E-E

DETAILS OF WORKING CHAMBER
AND CUTTING EDGE
Scale 1:20

REVISED
9-7-10

國道弐號路線
木曽川橋
愛知縣

FLOATING CAISSON FOR, PIER No 11
Scale 1:30

DRAWN	BY K.J.	DATE	5-5-26
TRACED	BY RYANO	DATE	5-5-27
CHECKED	BY M.K.	DATE	5-6-3

JUN MARUOKA
CONSULTING CIVIL ENGINEER
131 BLDG. TOKYO.

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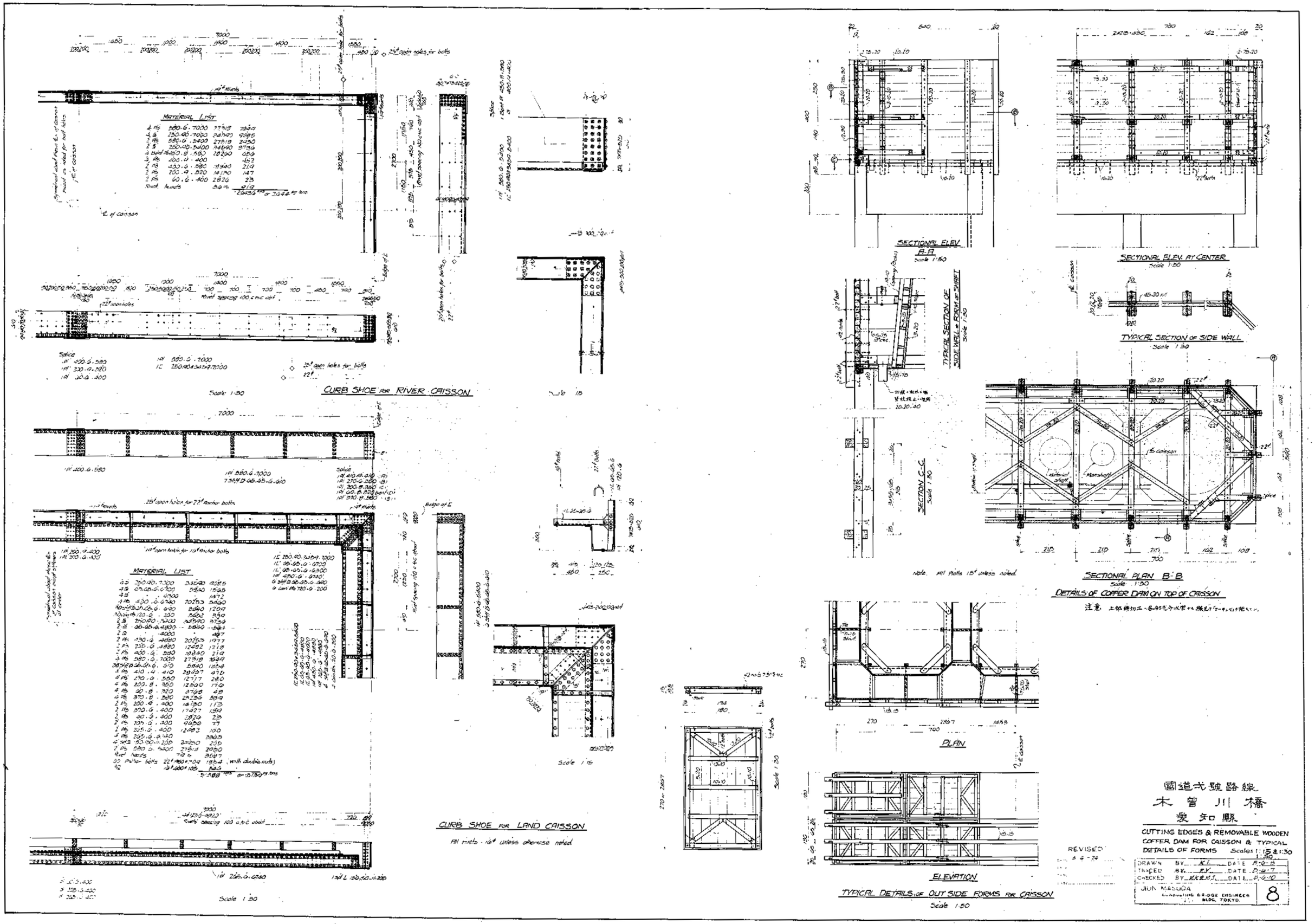
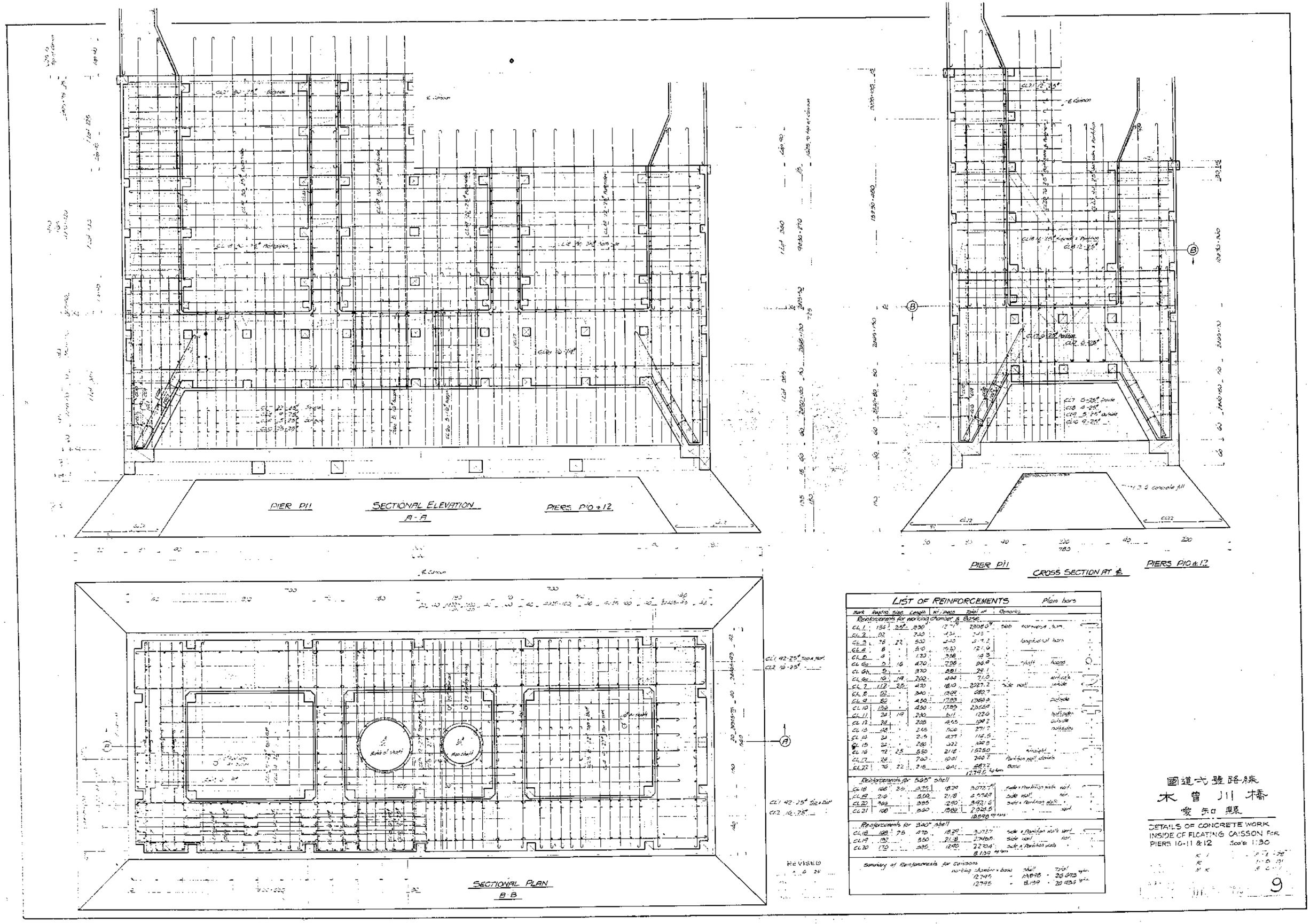

MATERIAL LIST
CURB SHOE FOR RIVER CAISSON
Scale 1:30
MATERIAL LIST
CURB SHOE FOR LAND CAISSON
All rivets - 16φ unless otherwise noted
Scale 1:30
Scale 1:15
SECTIONAL ELEV. A-A
Scale 1:50
SECTIONAL ELEV. AT CENTER
Scale 1:50
TYPICAL SECTION OF SIDE WALL
Scale 1:30
TYPICAL SECTION OF SIDE WALL FORM OF SHEET
Scale 1:30
SECTION C-C
Scale 1:30
SECTIONAL PLAN B-B
Scale 1:50
DETAILS OF COFFER DAM ON TOP OF CAISSON
Note. All bolts 15φ unless noted.
PLAN
ELEVATION
TYPICAL DETAILS OF OUT SIDE FORMS FOR CAISSON
Scale 1:50
國道弐號路線
木曽川橋
愛知縣
CUTTING EDGES & REMOVABLE WOODEN COFFER DAM FOR CAISSON & TYPICAL DETAILS OF FORMS Scales 1:15 & 1:30 1:50
REVISED
DRAWN BY K.I. DATE 5-6-15
TRACED BY E.Y. DATE 5-6-17
CHECKED BY DATE 5-6-10
JUN MASUDA
CONSULTING BRIDGE ENGINEER
BLDG. TOKYO.
8


PIER P11
SECTIONAL ELEVATION
A-A
PIERS P10 + 12
PIER P11
CROSS SECTION AT ℄
PIERS P10 & 12
SECTIONAL PLAN
B-B
REVISED
LIST OF REINFORCEMENTS
Plain bars
Reinforcements for working chamber & Base
Reinforcements for 5.65" shell
Reinforcements for 3.00" shell
Summary of Reinforcements for Caissons
國道弐號路線
木曽川橋
愛知縣
DETAILS OF CONCRETE WORK
INSIDE OF FLOATING CAISSON FOR
PIERS 10·11 & 12
Scale 1:30
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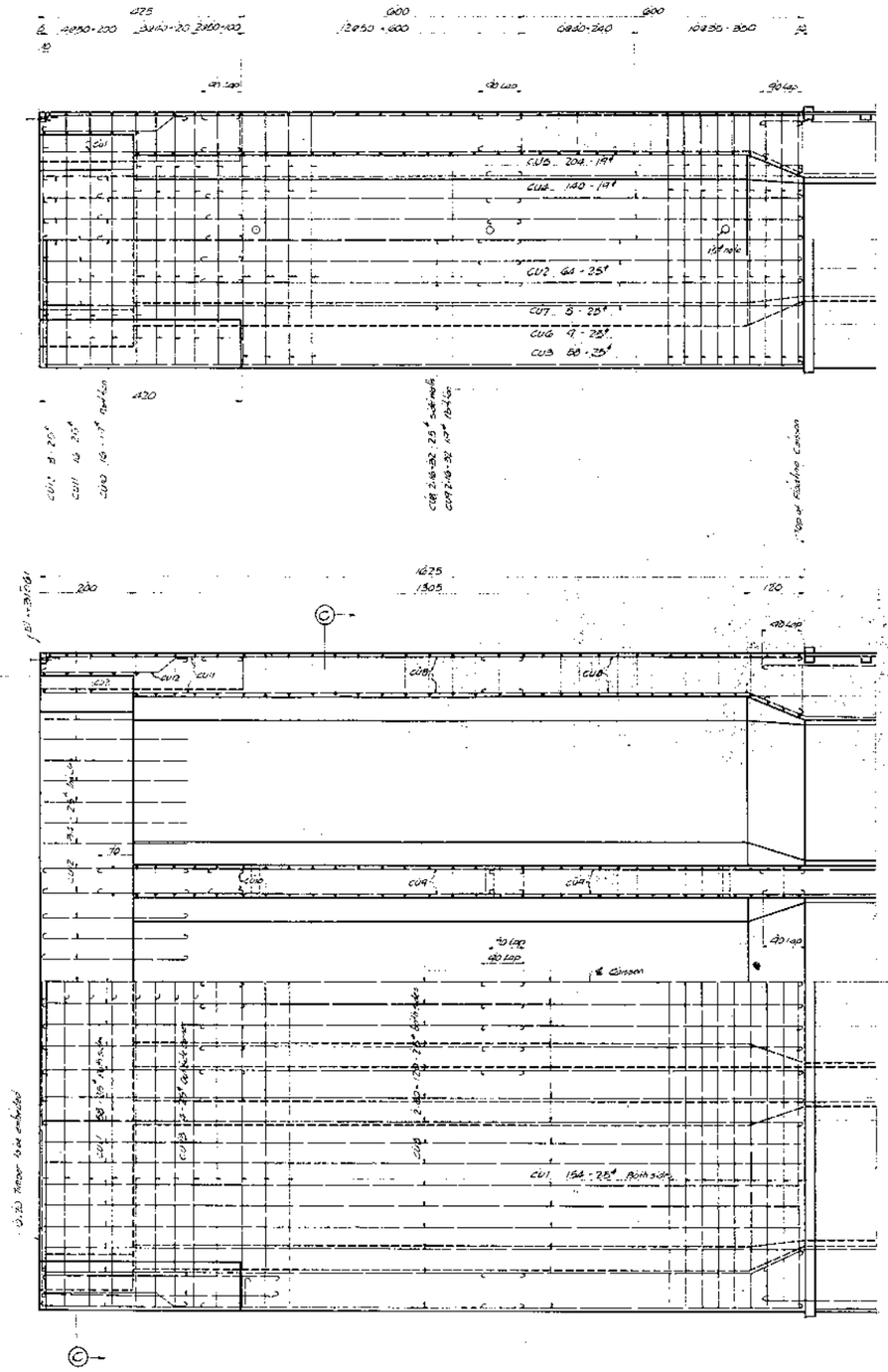
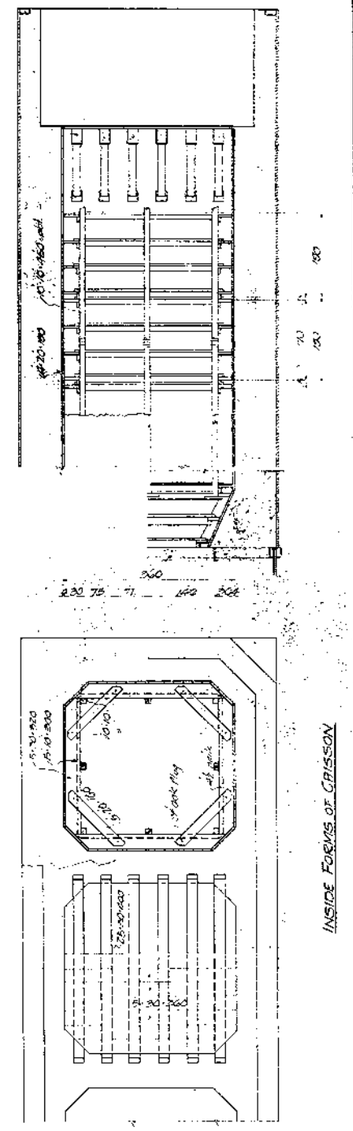
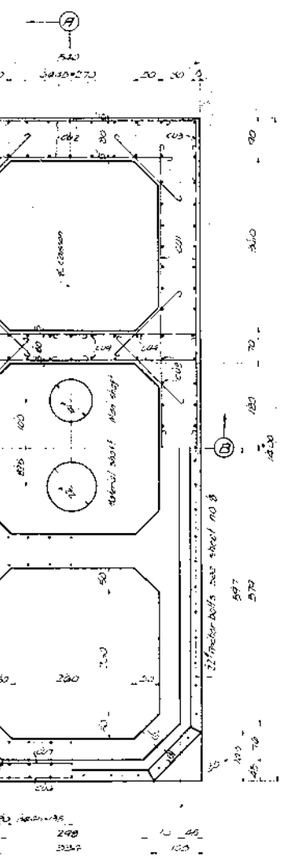


LIST OF REINFORCEMENTS							
Mark	Reqd no	Size	Length	m/kg	Total wt	Remarks	
CU1	308	25φ	720	7.72	1712.2		
CU2	128		405	11.90	2241.2		
CU3	116		305	11.74	1361.8		
CU4	280	19φ	330	7.29	2052.4		
CU5	408		240	5.33	2174.6		
CU6	18	25φ	790	29.11	509.0		
CU7	10		830	29.13	292.3		
CU8	268		795	19.30	4150.4		
CU9	56	19φ	705	15.86	874.4		
CU10	28		330	7.29	206.2		
CU11	140	25φ	405	17.90	2506.0		
CU12	80		370	10.26	1,120.0		
CU13	8		820	20.70	166.3		
					20 210.7 kg		





國道弋號路線
木曽川橋
愛知県

CONCRETE WORK ABOVE FLOATING CHAMBER FOR PIERS NOS 10-11 & 12 AND TYPICAL FORMS Scale 1:50

DESIGN BY K.I. DATE 5-6-80
CHECKED BY K.I. DATE 5-6-4
DRAWN BY K.K. DATE 5-6-4

M. MASUDA
CONSULTING BRIDGE ENGINEER
BLDG. TOKYO

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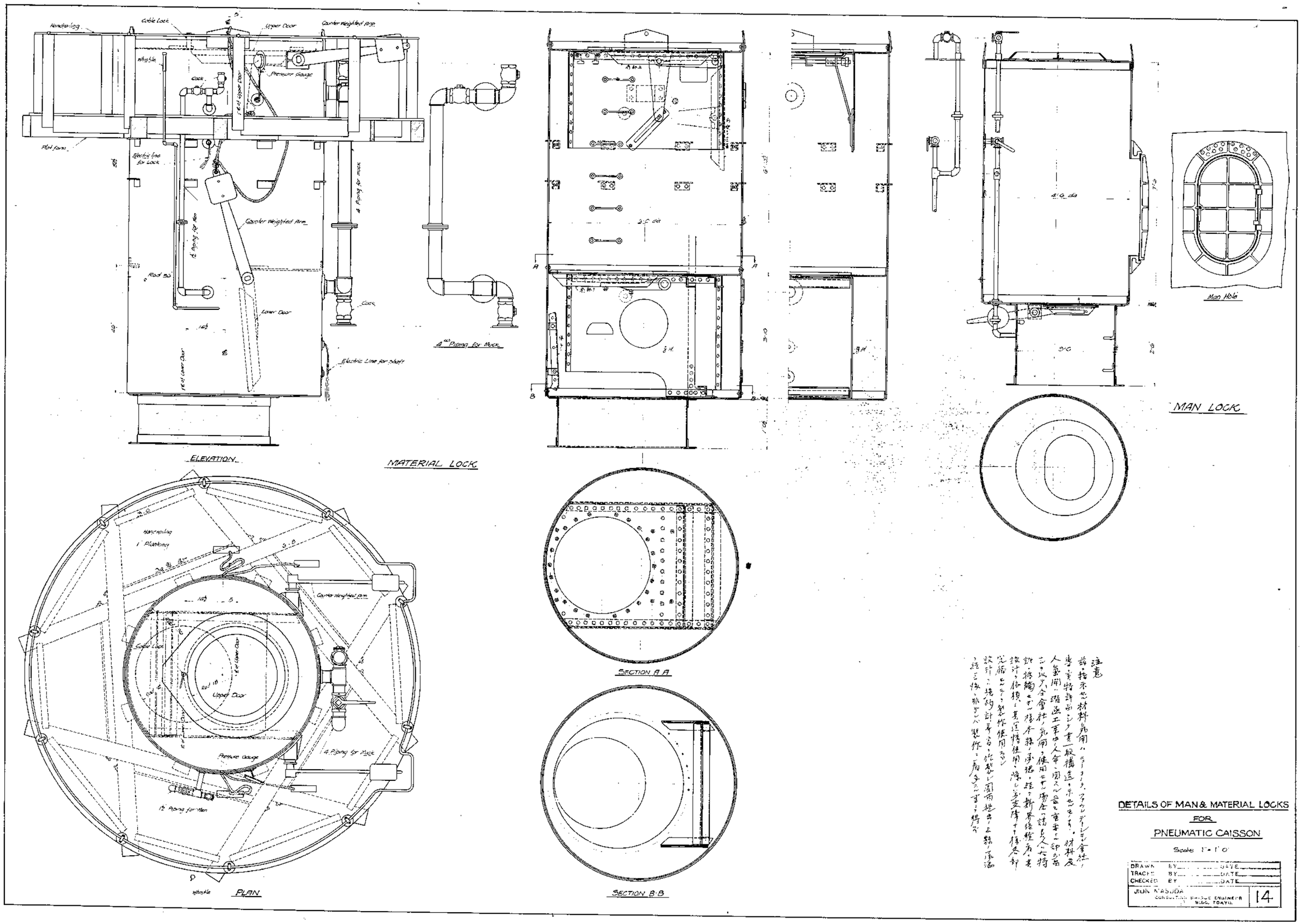
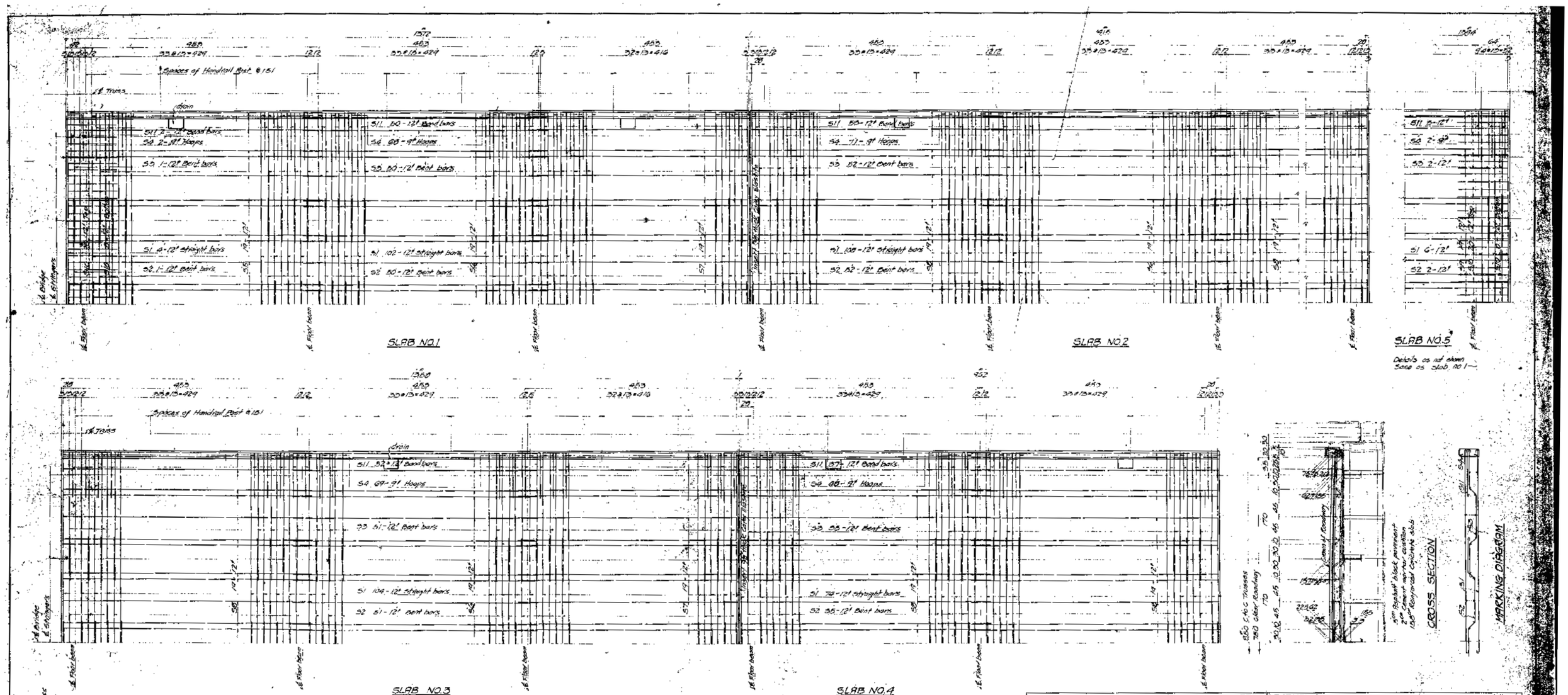
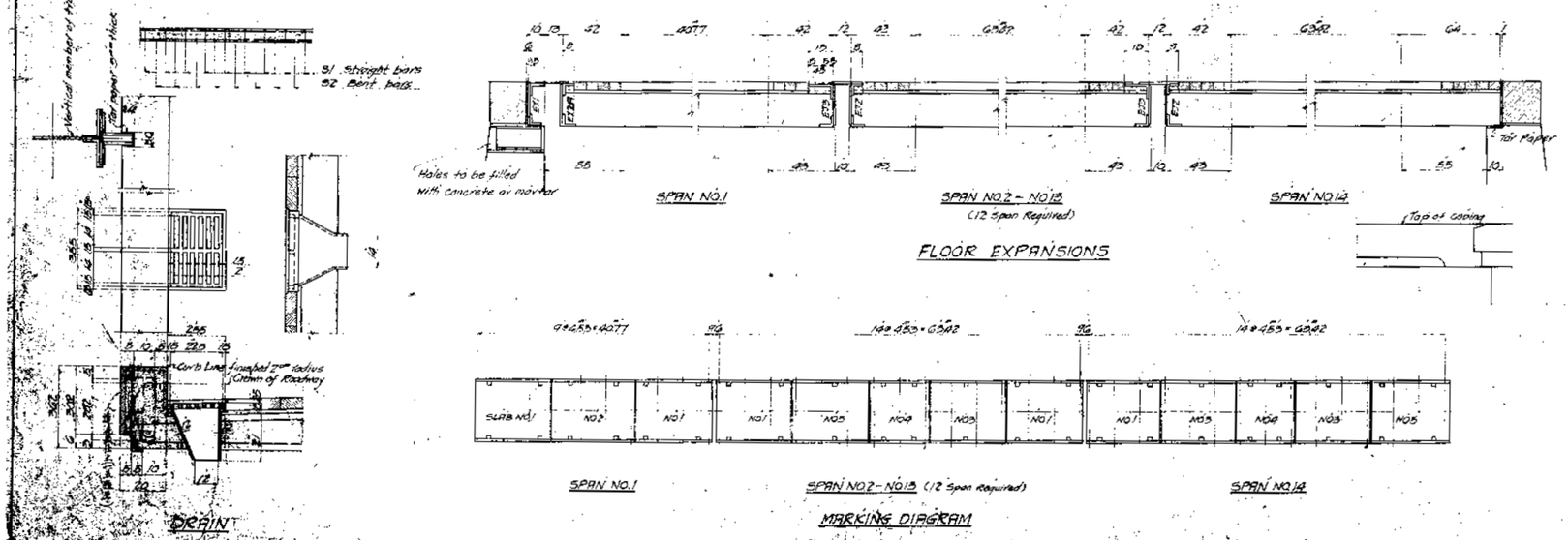

Handrailing
Cable Lock
Upper Door
Counter Weighted Arm
Whistle
Cock
Pressure Gauge
Plat form
Electric line for Lock
4" Piping for muck
Counter Weighted Arm
Rod
Lower Door
Cock
Electric Line for shaft
4" Piping for Muck
ELEVATION
MATERIAL LOCK
Handrailing
Planking
Counter Weighted Arm
Cable Lock
Upper Door
Pressure Gauge
4" Piping for Muck
Whistle
PLAN
SECTION A-A
SECTION B-B
MAN LOCK
Man Hole
注意
DETAILS OF MAN & MATERIAL LOCKS
FOR
PNEUMATIC CAISSON
Scale 1" = 1' 0"
DRAWN BY DATE
TRACED BY DATE
CHECKED BY DATE
JIUN MASUDA
CONSULTING BRIDGE ENGINEER
BLDG. TOKYO.
14





LIST OF REINFORCEMENTS

Plain bars

Mark	No.	Dia.	Length	Unit wt.	Percent	Total wt.
Slab No.1						
S1	212	12	460	88	405	8928
S2	51		470		414	2111
S3	102		500		264	2693
S4	140	9	120	49	59	826
S5	30	12	825	88	487	1760
S6	30		825		487	1760
S7	30		470		414	1673
S10	55		125		110	605
S11	106		120		106	1102
						21042 kgs
Slab No.2						
S1	216	12	460	88	405	8748
S2	52		470		414	2153
S3	104		500		264	2743
S4	142	9	120	49	59	838
S6	30	12	825	88	487	1756
S8	76		820		450	3421
S11	106		120		106	1124
						20884 kgs
Slab No.3						
S1	208	12	460	88	405	8424
S2	51		470		414	2111
S3	102		500		264	2693
S4	138	9	120	49	59	814
S6	30	12	825	88	487	1756
S7	30		470		414	1673
S8	70		820		450	3401
S11	106		120		106	1102
						20213 kgs
Slab No.4						
S1	128	12	460	88	405	5424
S2	35		470		414	1449
S3	70		500		264	1848
S4	96	9	120	49	59	566
S8	76	12	820	88	450	3401
S11	72		120		106	764
						14122 kgs

Mark	No.	Dia.	Length	Unit wt.	Percent	Total wt.
Slab No.5						
S1	216	12	460	88	405	8748
S2	52		470		414	2153
S3	104		500		264	2743
S4	140	9	120	49	59	826
S6	30	12	825	88	487	1760
S7	30		470		414	1673
S9	30		560		495	1873
S10	55		125		110	605
S11	106		120		106	1124
						21404 kgs

Span No.1 1-Reqd.
Slab No.1 2 @ 21042 = 42084
No.2 1 @ 20884 = 20884
62968 kgs

Span No.2 - No.13 12-Reqd.
Slab No.1 2 @ 21042 = 420842
No.3 2 @ 20213 = 404226
No.4 1 @ 14122 = 14122
839290
12
10069680 kgs

Span No.14 1-Reqd.
Slab No.1 1 @ 21042 = 21042
No.3 2 @ 20213 = 40426
No.4 1 @ 14122 = 14122
No.5 1 @ 21404 = 21404
97094 kgs

Reinforcements Span No.2-14 = 10166774 kgs

Summary of Reinforcements
Span No.1 62968
Span No.2-14 10166774
10229742 kgs

REVISED
5-7-9

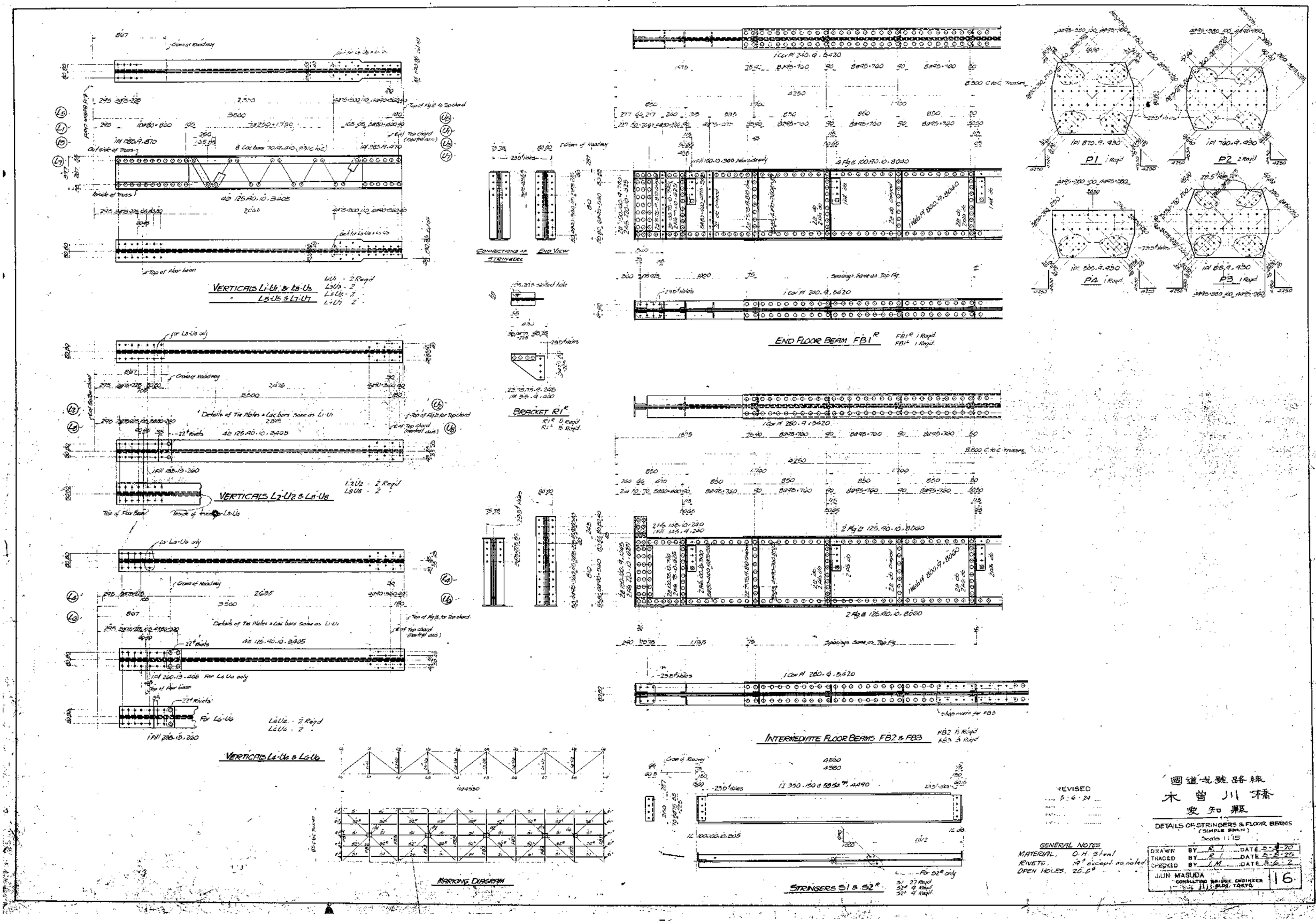
國道弐號路線
木曽川橋
愛知縣

DETAILS OF FLOOR SLAB
Scale 1:30 unless noted

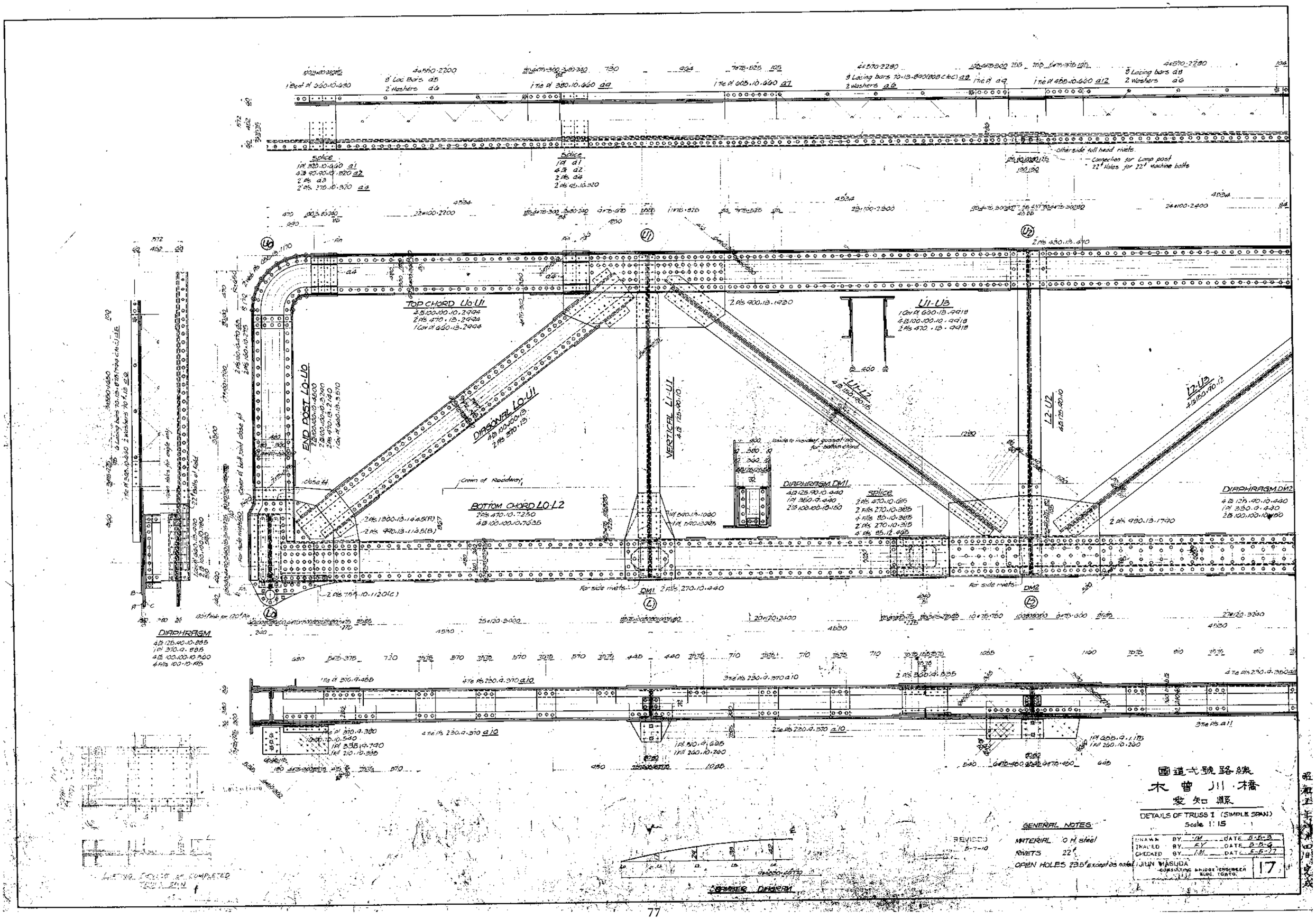
DRAWN	BY M.T.	DATE	5-5-9
TRACED	BY	DATE	5-5-9
CHECKED	BY M.K.	DATE	5-5-9

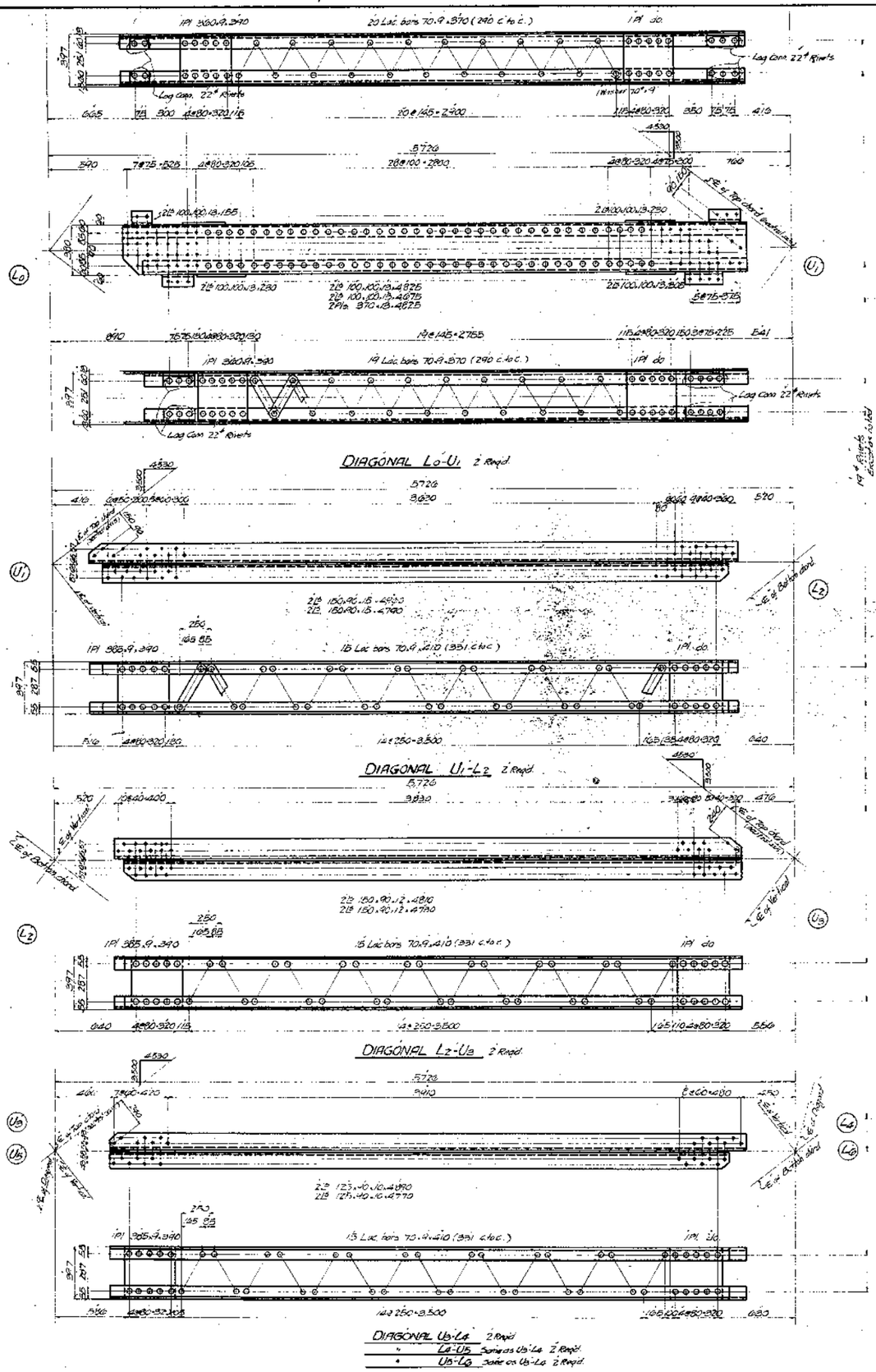
JUN. MATSUYA
CONSULTANT: NIPPON EXPRESSWAY CO. (NEC) TOKYO

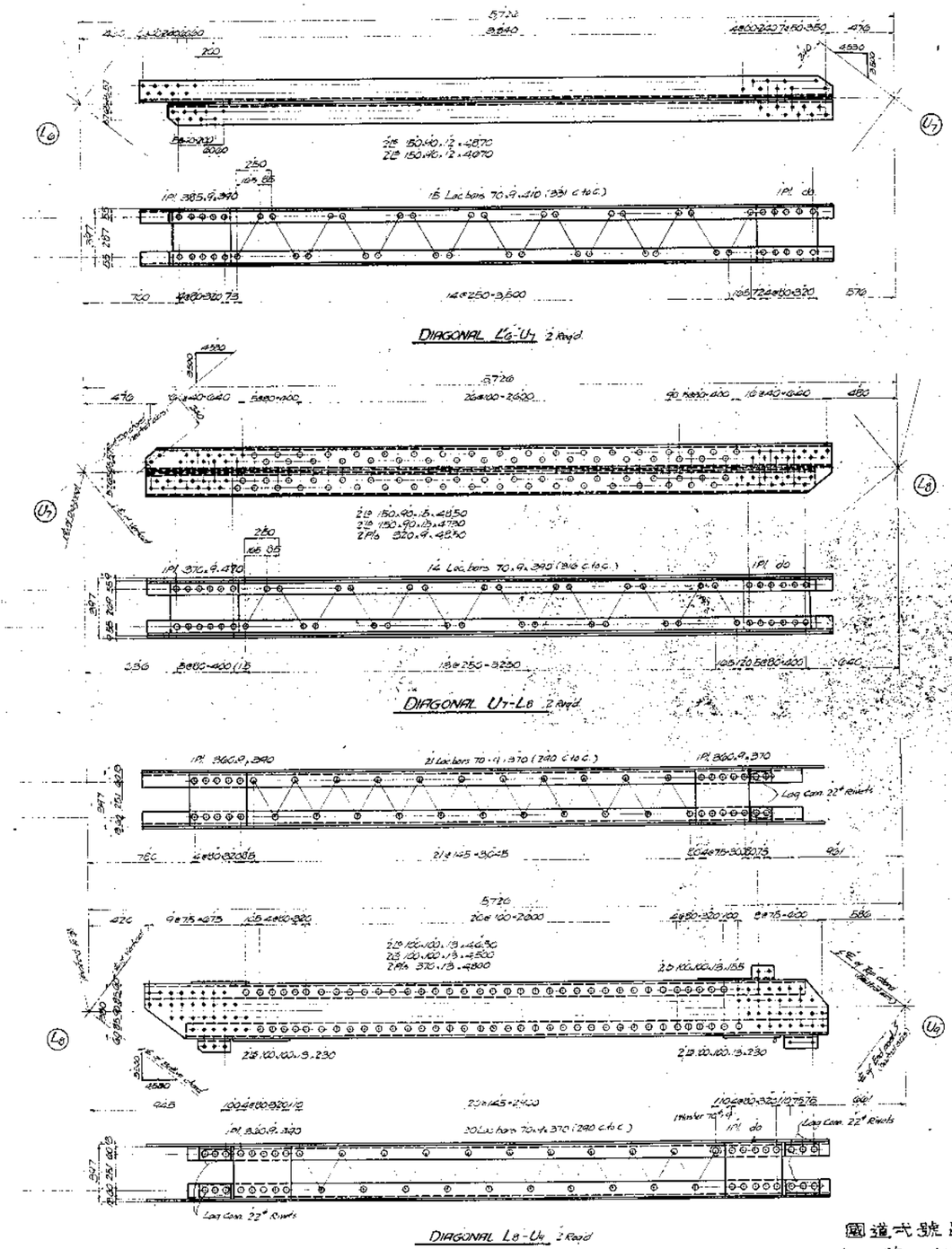
15

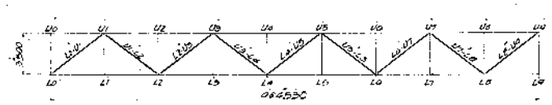

VERTICALS L1-U1 & L5-U5
L5-U5 & L7-U7
L1U1 - 2 Reqd
L3U3 - 2
L5U5 - 2
L7U7 2
VERTICALS L2-U2 & L4-U4
L2U2 - 2 Reqd
L4U4 - 2
VERTICALS L4-U4 & L6-U6
L4U4 - 2 Reqd
L6U6 - 2
CONNECTIONS OF STRINGERS
END VIEW
BRACKET R1R
R1R 5 Reqd
R1L 5 Reqd
END FLOOR BEAM FB1R
FB1R 1 Reqd
FB1L 1 Reqd
P1 1 Reqd
P2 2 Reqd
P4 1 Reqd
P3 1 Reqd
INTERMEDIATE FLOOR BEAMS FB2 & FB3
FB2 5 Reqd
FB3 3 Reqd
STRINGERS S1 & S2R
S1 27 Reqd
S2R 4 Reqd
S2L 4 Reqd
MARKING DIAGRAM
REVISED
5-6-24
GENERAL NOTES
MATERIAL, O.H. Steel
RIVETS, 19φ except as noted
OPEN HOLES, 20.5φ
國道一号線
木曽川橋
愛知縣
DETAILS OF STRINGERS & FLOOR BEAMS
(SIMPLE SPAN)
Scale 1:15
DRAWN BY K.T. DATE 5-8-20
TRACED BY K.T. DATE 5-8-25
CHECKED BY J.M. DATE 5-6-2
JUN MASUDA
CONSULTING BRIDGE ENGINEER
JIJI BLDG. TOKYO
16

昭和三十六年八月


TOP CHORD U0-U1
END POST L0-U0
DIAGONAL L0-U1
VERTICAL L1-U1
U1-U3
U2-U3
L2-U2
DIAGRAM DM1
DIAGRAM DM2
BOTTOM CHORD L0-L2
Crown of Roadway
Splice
DIAGRAM
GENERAL NOTES
MATERIAL O H steel
RIVETS 22φ
OPEN HOLES 23.5φ except as noted
REVISED 5-7-10
國道弐號路線
木曾川橋
愛知縣
DETAILS OF TRUSS 1 (SIMPLE SPAN)
Scale 1:15
DRAWN BY M DATE 5-5-3
TRACED BY SY DATE 5-5-4
CHECKED BY M DATE 5-5-17
JUN MASUDA
CONSULTING BRIDGE ENGINEER
BLDG. TOKYO.
17
LAYING PLAN OF COMPLETED TRUSS SPAN
LOWER DIAGRAM







MARKING DIAGRAM

GENERAL NOTES

MATERIAL: OH Steel

RIVETS 22φ Except as noted

OPEN HOLES 23.5φ

國道式號路線

木曽川橋

愛知縣

DETAILS OF DIAGONALS (SIMPLE SPAN)

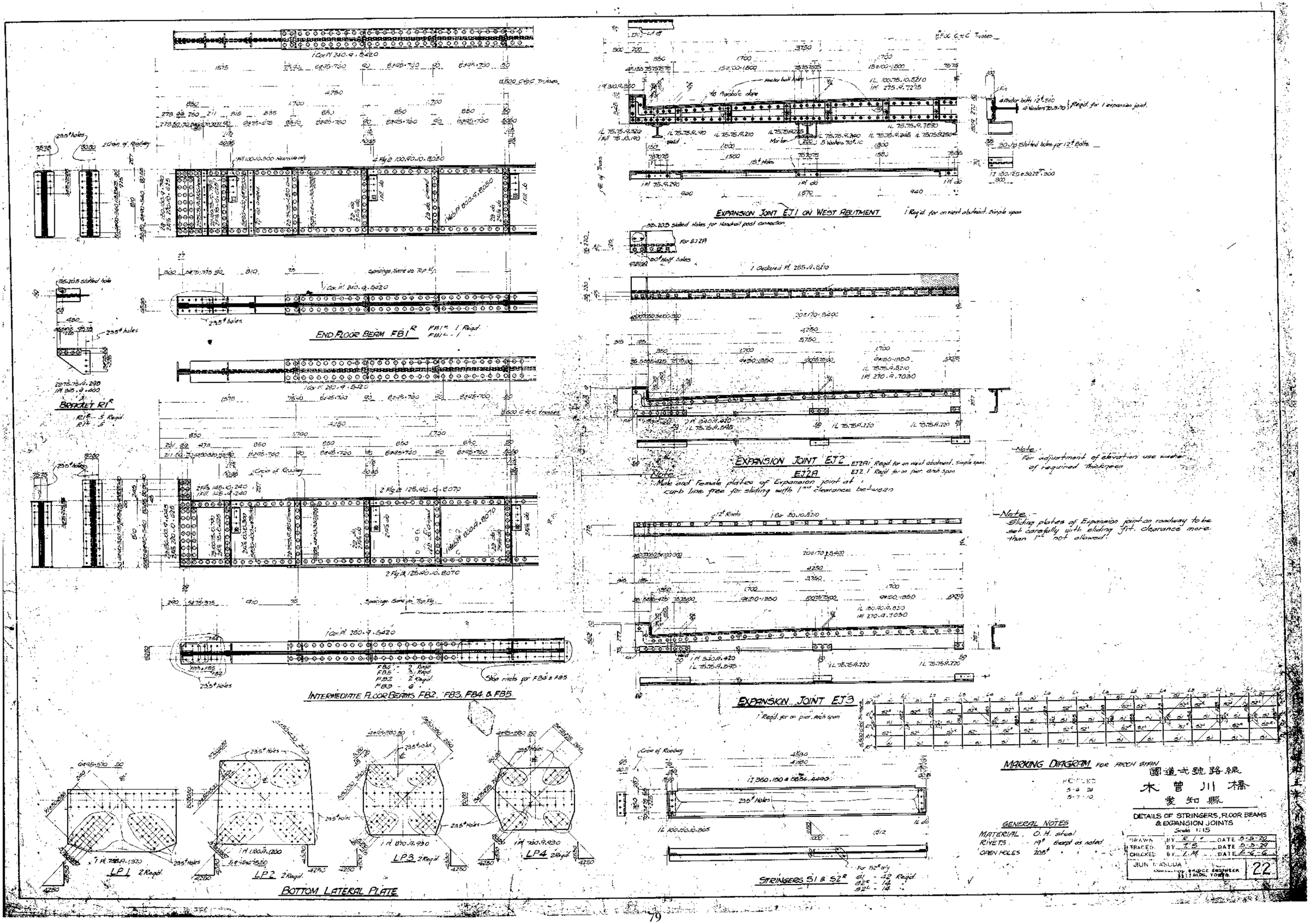
Scale 1:15

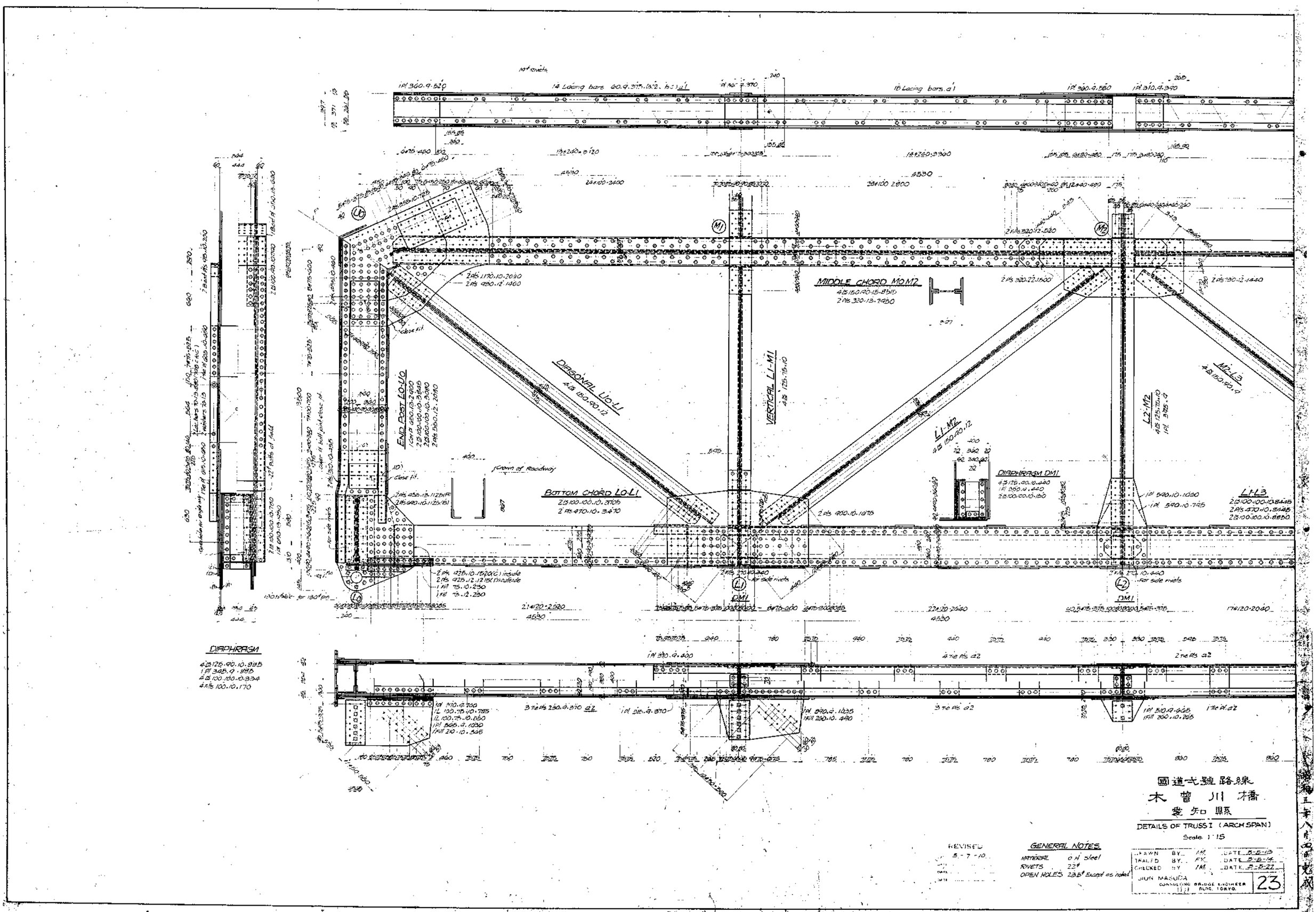
DRAWN BY	S.L	DATE	5-5-5
TRACED BY	T.S	DATE	5-5-9
CHECKED BY	I.M	DATE	5-6-2

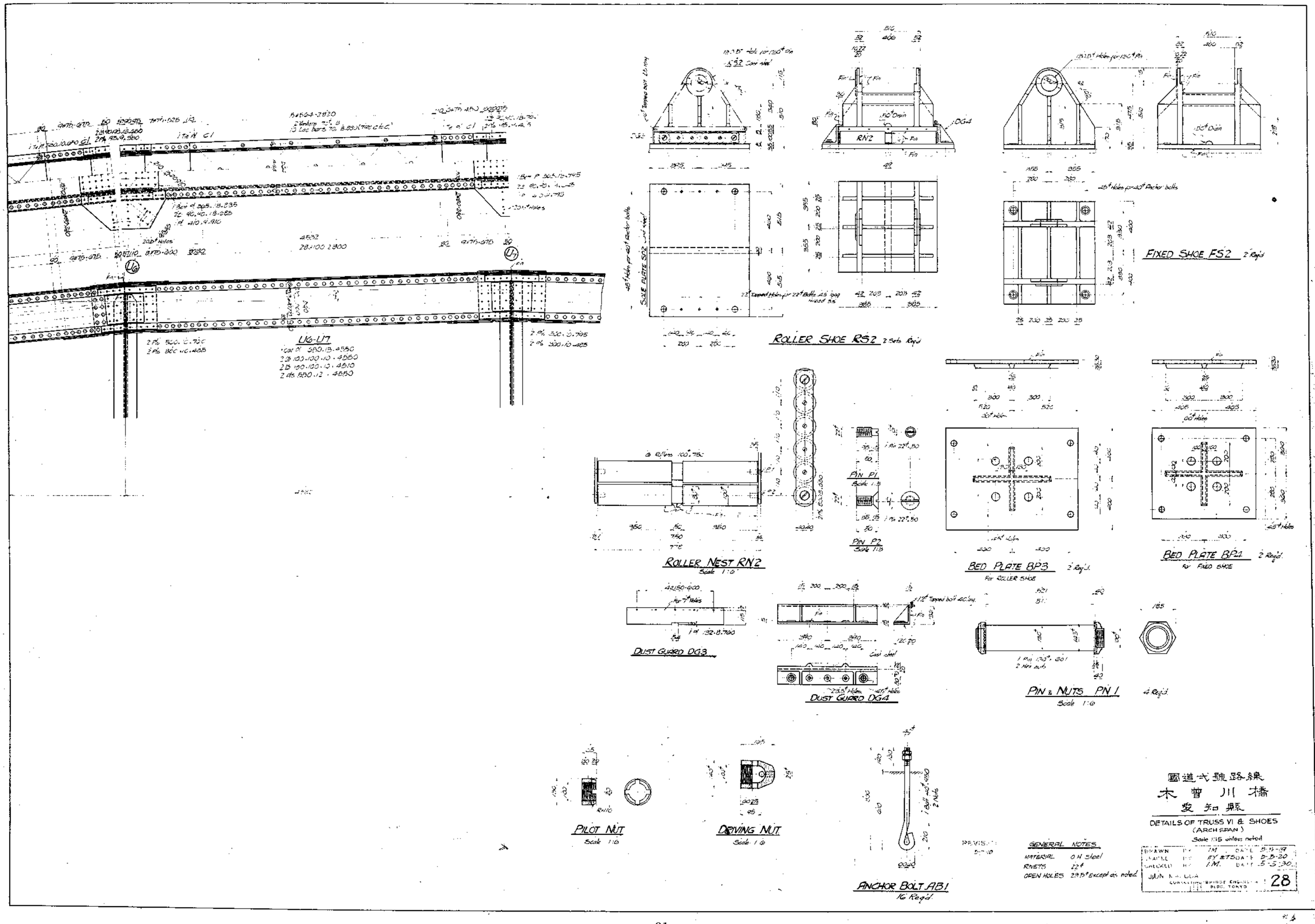
OSAKA CONSULTING ENGINEER TOKYO.

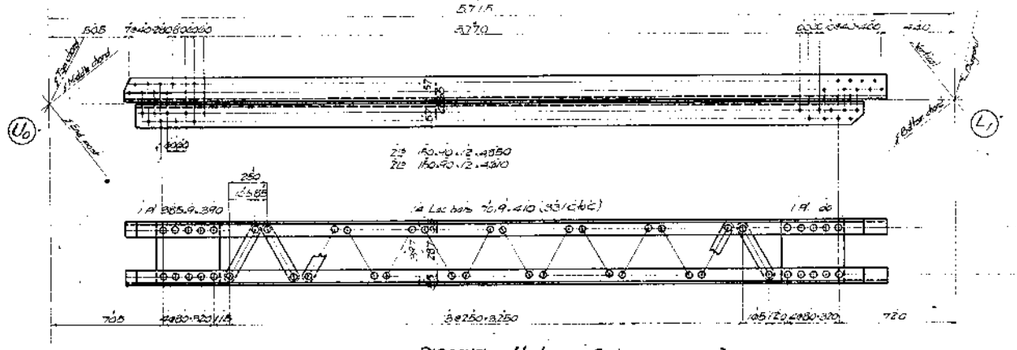
20

昭和五年八月四日完成

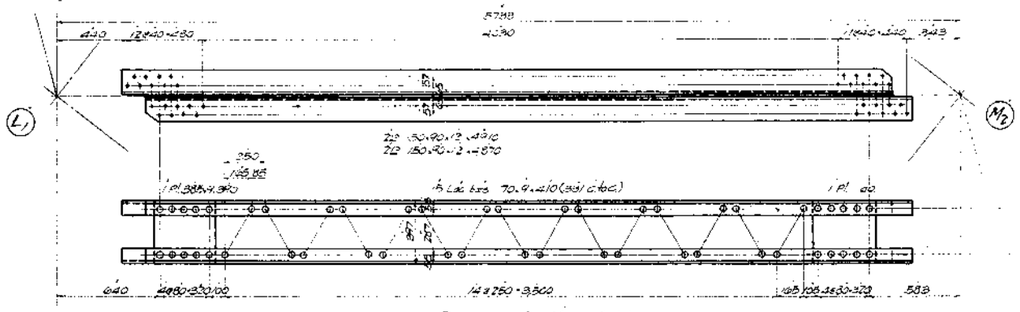

END FLOOR BEAM FB1R
FB1R 1 Reqd
FB1L - 1
BRACKET R1R
R1R - 5 Reqd
R1L - 5
INTERMEDIATE FLOOR BEAMS FB2, FB3, FB4 & FB5
FB2 - 2 Reqd
FB5 - 2 Reqd
FB2 2 Reqd
FB3 - 6
Stop rivets for FB4 & FB5
EXPANSION JOINT EJ1 ON WEST ABUTMENT
1 Reqd for on west abutment simple span
EXPANSION JOINT EJ2
EJ2A 1 Reqd for on west abutment. Simple span.
EJ2 1 Reqd for on pier. arch span
Note
Make and Female plates of Expansion joint at curb line free for sliding with 1mm clearance between
Note
For adjustment of elevation use washer of required thickness
Note
Sliding plates of Expansion joint on roadway to be set carefully with sliding fit. clearance more than 1mm not allowed.
EXPANSION JOINT EJ3
1 Reqd for on pier. Arch span
BOTTOM LATERAL PLATE
LP1 2 Reqd
LP2 2 Reqd
LP3 2 Reqd
LP4 2 Reqd
STRINGERS S1 & S2R
S1 - 12 Reqd
S2L - 14
S2L - 14
MARKING DIAGRAM FOR ARCH SPAN
GENERAL NOTES
MATERIAL O.H. steel
RIVETS 19mm Except as noted
OPEN HOLES 20mm
國道弐號路線
木曽川橋
愛知縣
DETAILS OF STRINGERS, FLOOR BEAMS & EXPANSION JOINTS
Scale 1:15
DRAWN BY
TRACED BY
CHECKED BY
DATE
JUN MASUDA
22


14 Lacing bars
18 Lacing bars
MIDDLE CHORD M0-M2
DIAGONAL L0-L1
VERTICAL L1-M1
END POST E0-U0
BOTTOM CHORD L0-L1
DIAPHRAGM DM1
L1-M2
L2-M2
M2-L3
L1-L3
DIAPHRAGM
Crown of Roadway
國道弋號路線
木曾川橋
愛知県
DETAILS OF TRUSS I (ARCH SPAN)
Scale 1:15
REVISED
5-7-10
GENERAL NOTES.
MATERIAL
RIVETS
OPEN HOLES
JUN MASUDA
23

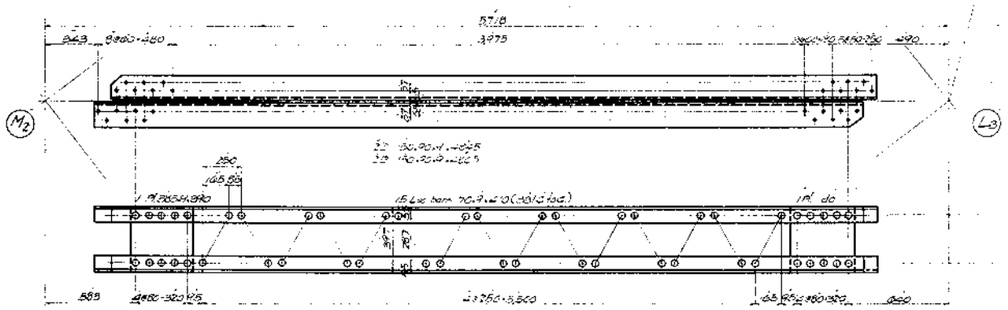

U6-U7
FIXED SHOE FS2 2 Req'd
ROLLER SHOE RS2 2 Sets Req'd
ROLLER NEST RN2
Scale 1:6
PIN P1
Scale 1:8
PIN P2
Scale 1:8
BED PLATE BP3 2 Req'd.
For ROLLER SHOE
BED PLATE BP1 2 Req'd.
for FIXED SHOE
DUST GUARD DG3
DUST GUARD DG4
PIN & NUTS PN1 4 Req'd.
Scale 1:6
PILOT NUT
Scale 1:6
DRIVING NUT
Scale 1:6
ANCHOR BOLT AB1
16 Req'd.
GENERAL NOTES
MATERIAL O.H. Steel
RIVETS 22φ
OPEN HOLES 23.5φ Except as noted
國道弐號路線
木曽川橋
愛知縣
DETAILS OF TRUSS VI & SHOES
(ARCH SPAN)
Scale 1:15 unless noted
DRAWN
TRACED
CHECKED
DATE
28



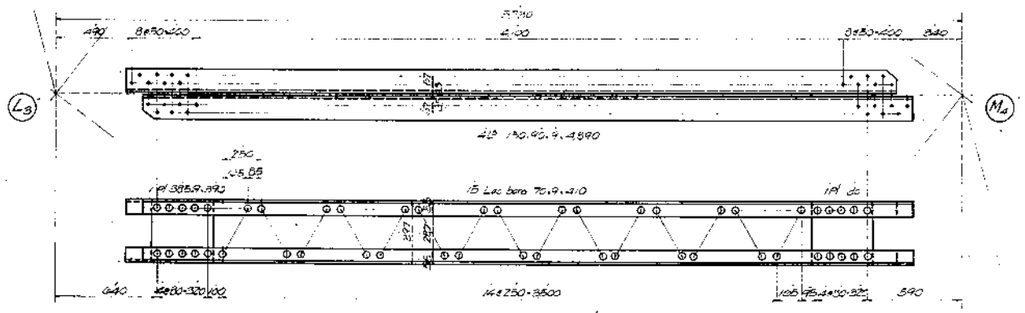
DIAGONAL U_0-L_1 4 Req'd



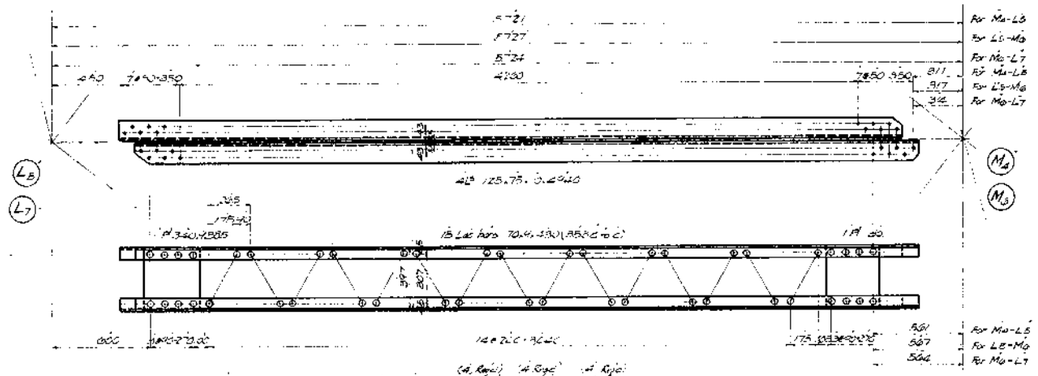
DIAGONAL L_1-M_2 4 Req'd



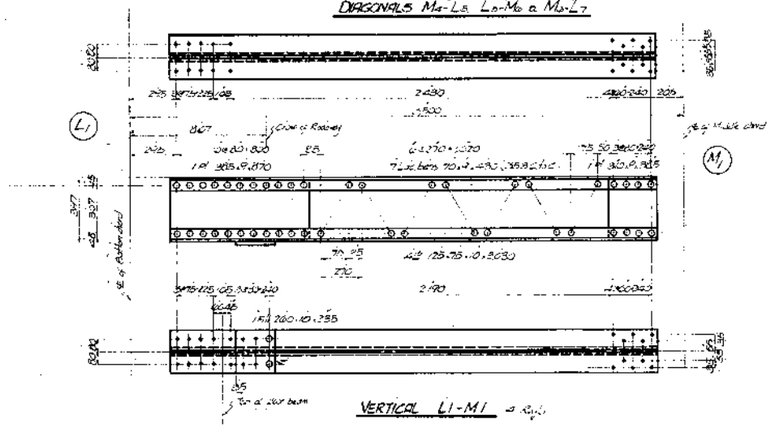
DIAGONAL M_2-L_3 4 Req'd



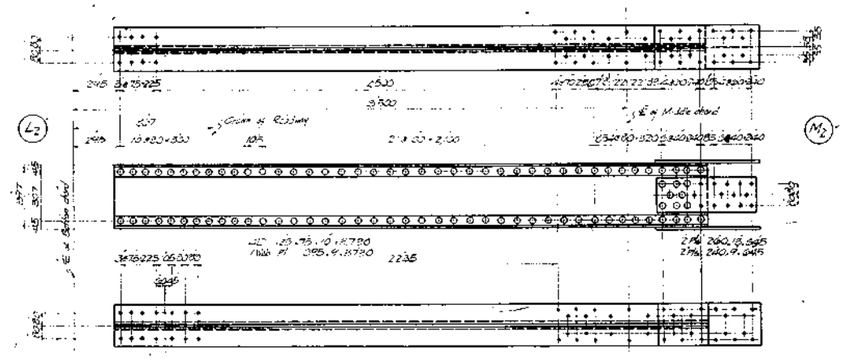
DIAGONAL L_3-M_4 4 Req'd



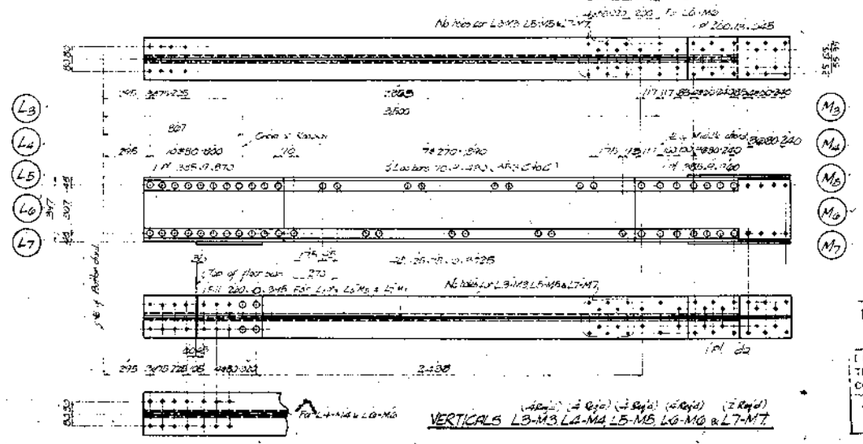
DIAGONALS M_3-L_5, L_5-M_5 & M_5-L_7



VERTICAL L_1-M_1 2 Req'd



VERTICAL L_2-M_2 (2 Req'd)



VERTICALS L_3-M_3, L_4-M_4, L_5-M_5, L_6-M_6 & L_7-M_7

REVISED

DATE 8-7-14

DATE

DATE

DATE

GENERAL NOTES

MATERIAL: 0 N steel

RIVETS: 22φ Except as noted.

OPEN HOLES: 33.5φ

國道弐號路線

木曽川橋

愛知縣

DETAILS OF DIAGONALS & VERTICALS (ARCH SPAN)

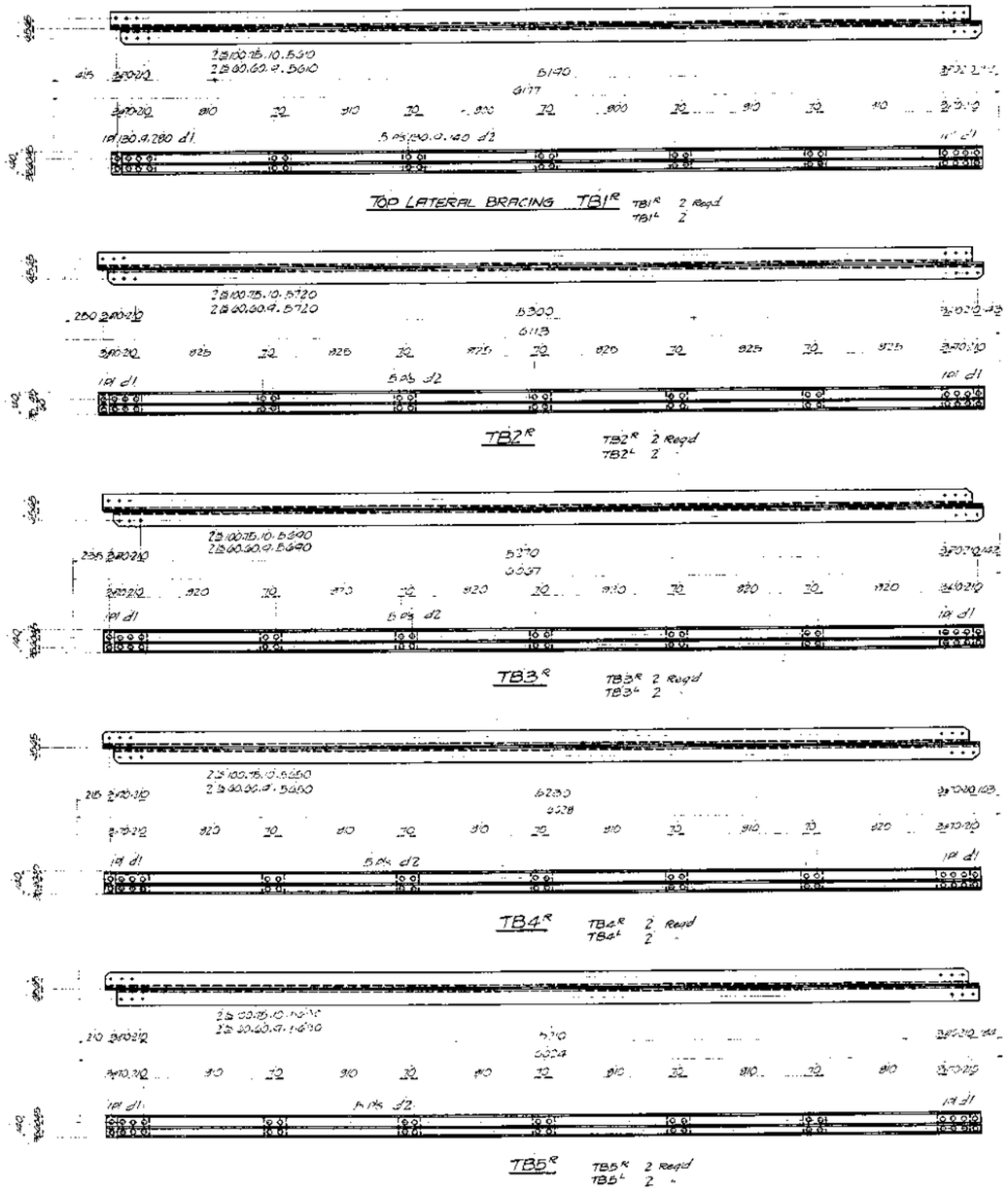
Scale 1:15

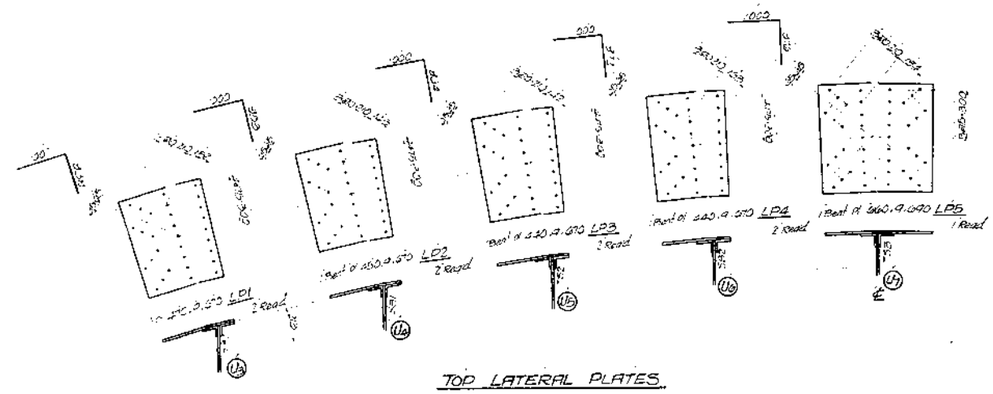
DRAWN	BY R.I.	DATE 5-5-17
TRACED	BY T.S.	DATE 5-5-24
CHECKED	BY I.M.	DATE 5-6-8

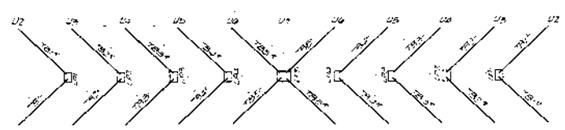
JUN K. LTD. BRIDGE ENGINEERS BLDG. TOKYO.

29

昭和五年八月







GENERAL NOTES

MATERIAL O.H. steel
RIVETS 19φ
OPEN HOLES 20Bφ

國道弐號路線
木曽川橋
愛知縣

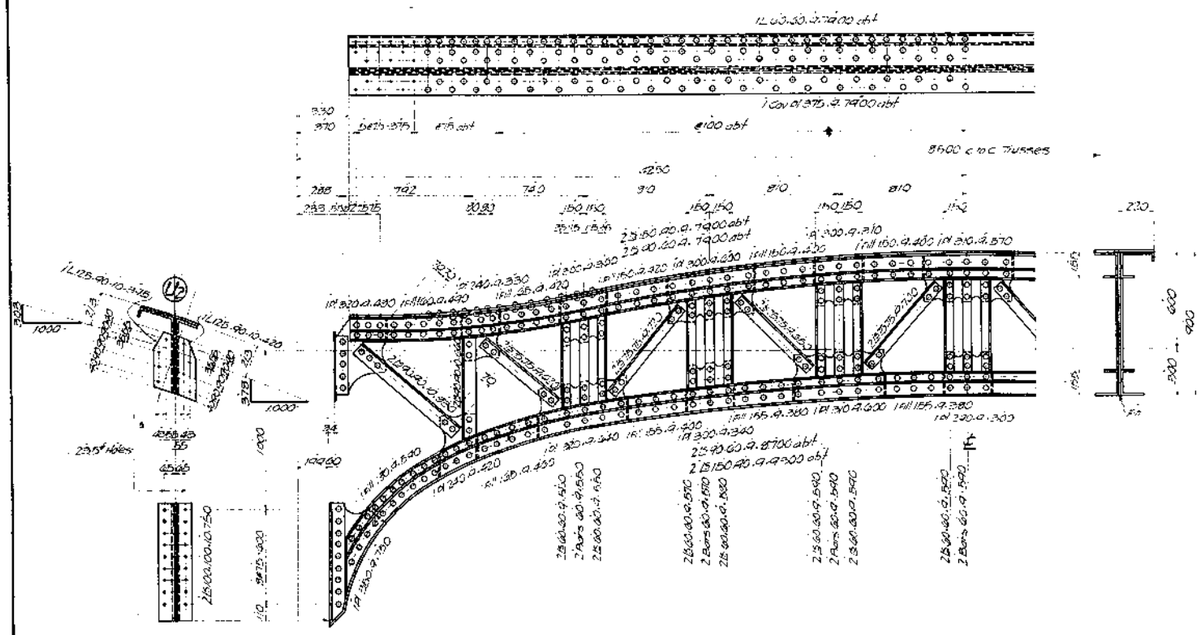
DETAILS OF TOP LATERALS
Scale 1:15

DRAWN	BY.	IM	5-5-30
TRACED	BY.	FY	5-6-3
CHECKED	BY.	IM	5-6-5

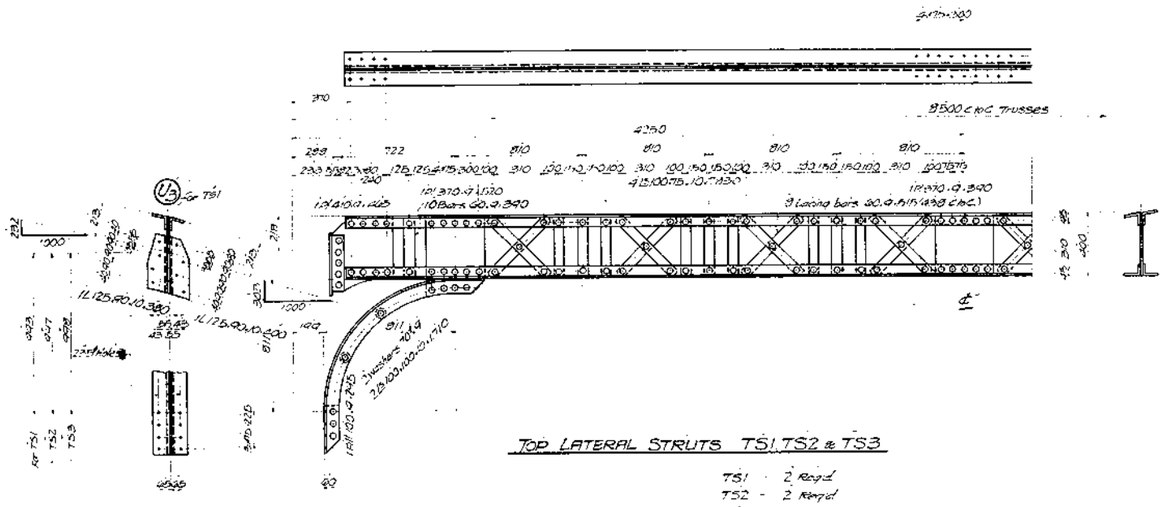
JUN MASUDA
CONSULTING ENGINEER
TOKYO

32

昭和五十八年四月完成

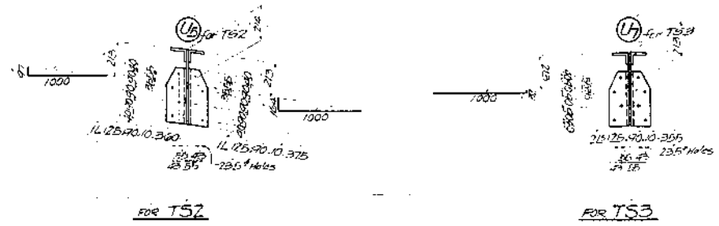


PORTAL BRACING PB1 2 Required

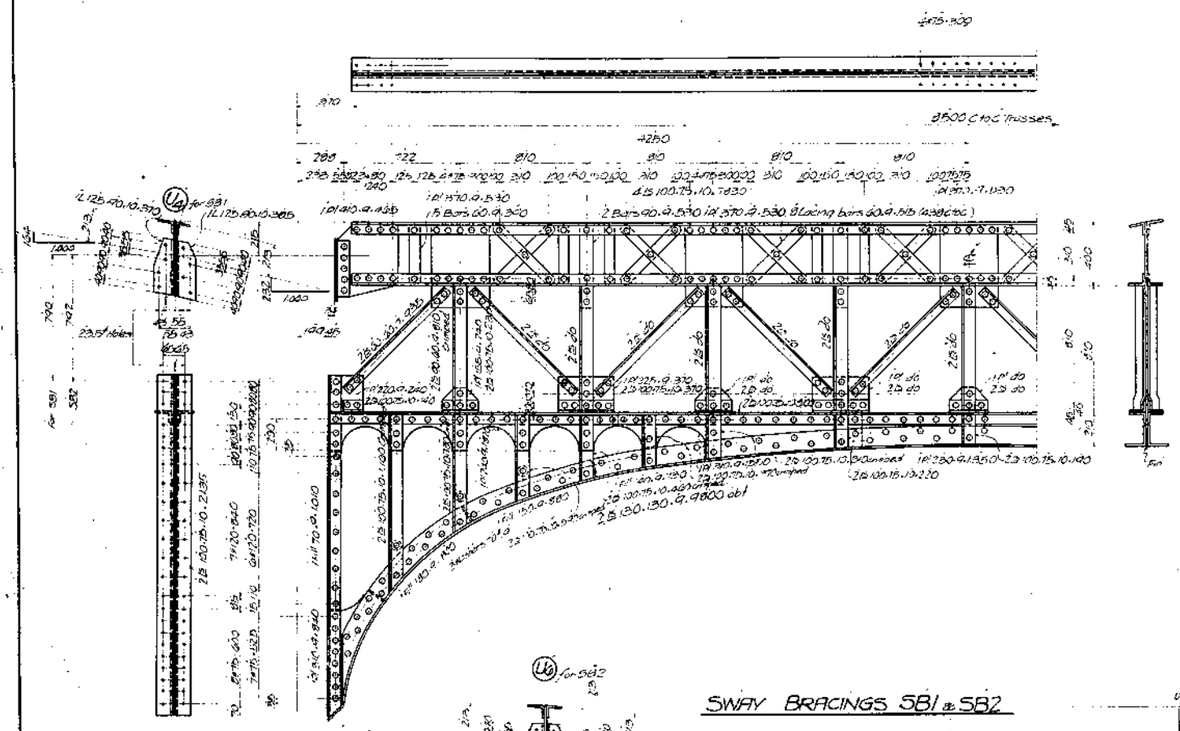


TOP LATERAL STRUTS TS1, TS2 & TS3

TS1 - 2 Reqd
TS2 - 2 Reqd
TS3 - 1 Reqd

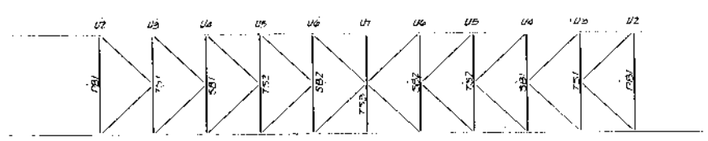


CONNECTION ANGLES TO TRUSS



SWAY BRACINGS SB1 & SB2

SB1 2 Reqd
SB2 - 2 Reqd



MARKING DIAGRAM

GENERAL NOTES

MATERIAL: 0.4 steel
RIVETS: 19φ
OPEN HOLES 23.5φ except as noted.

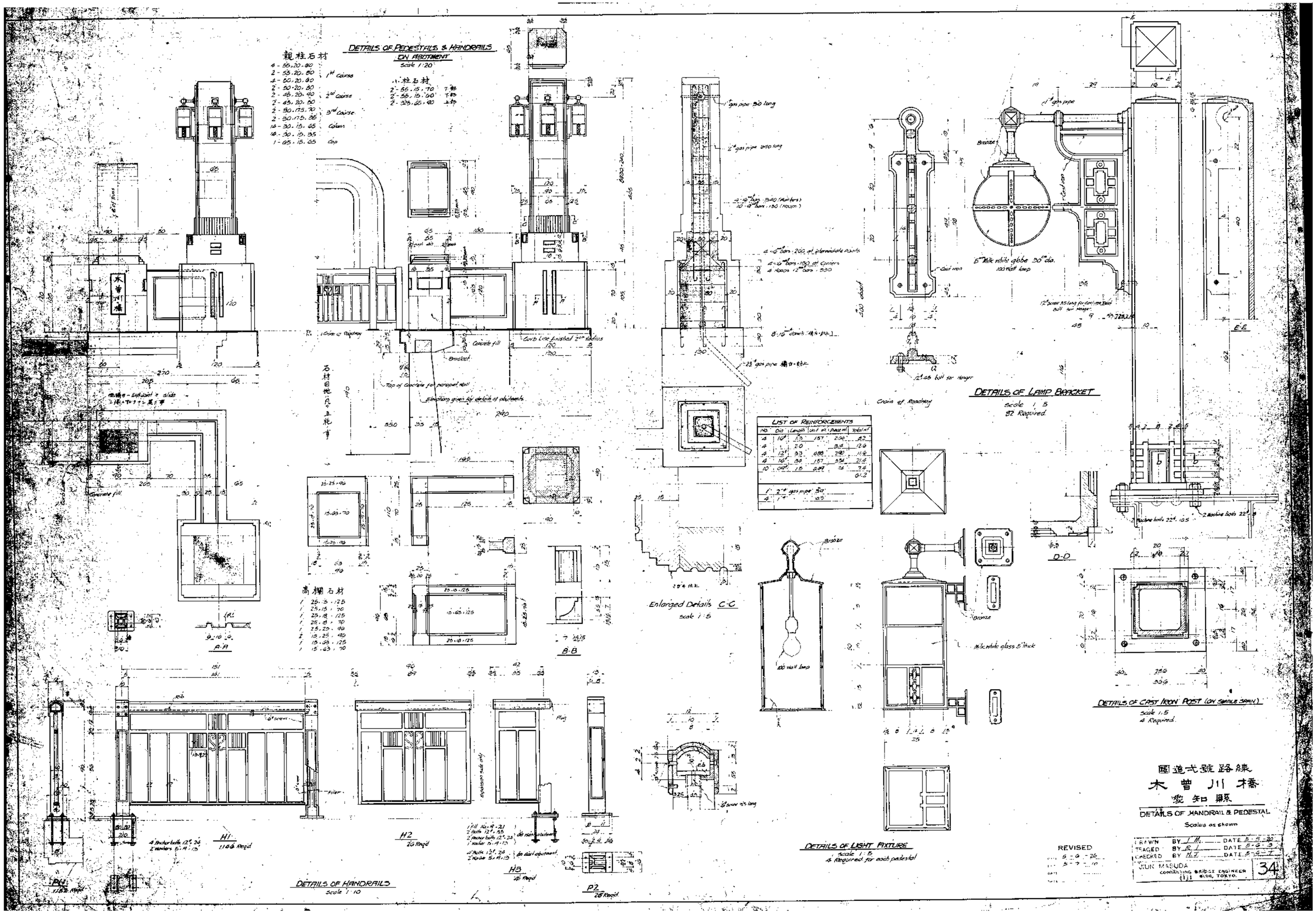
國道弐號路線
木曽川橋
愛知県

DETAILS OF PORTALS & SWAY BRACINGS
Scale 1:15

DRAWN BY	M	DATE	5.5.22.
CHECKED BY	K	DATE	5.5.24.
DESIGNED BY	M	DATE	5.5.4.

33

昭和五年八月四日完成


DETAILS OF PEDESTALS & HANDRAILS ON ABUTMENT
scale 1:20
親柱石材
4 - 55.20.80
2 - 55.20.80 1st Course
4 - 50.20.80
2 - 50.20.80
2 - 45.20.90 2nd Course
2 - 45.20.50
2 - 30.175.70
2 - 30.175.85 3rd Course
14 - 30.15.65 Column
14 - 30.15.85
1 - 65.15.85 Cap
小柱石材
2 - 55.15.70 下部
2 - 55.15.100 下部
2 - 325.25.90 上部
高欄石材
1 25.15.125
1 25.15.70
1 25.18.125
1 25.18.70
1 25.25.90
2 15.25.90
1 15.25.125
1 15.25.70
Curb Line finished 2m radius
Concrete fill
Bracket
Top of Concrete for parapet wall
Elevations given for details of abutments
A-A
B-B
H1
H2
H3
P1
P2
DETAILS OF HANDRAILS
scale 1:10
Enlarged Details C-C
scale 1:5
LIST OF REINFORCEMENTS
DETAILS OF LIGHT FIXTURE
scale 1:5
4 Required for each pedestal
DETAILS OF LAMP BRACKET
scale 1:5
82 Required
Bronze
Cast iron
5" Milk white globe 30" dia.
100 Watt lamp
Milk white glass 5" thick
E-E
D-D
DETAILS OF CAST IRON POST (OF SIMPLE SPAN)
scale 1:5
4 Required.
國道弐號路線
木曽川橋
愛知県
DETAILS OF HANDRAIL & PEDESTAL
Scales as shown
REVISED
DRAWN BY
TRACED BY
CHECKED BY
JUN MASUDA
CONSULTING BRIDGE ENGINEER
BLDG. TOKYO.
34