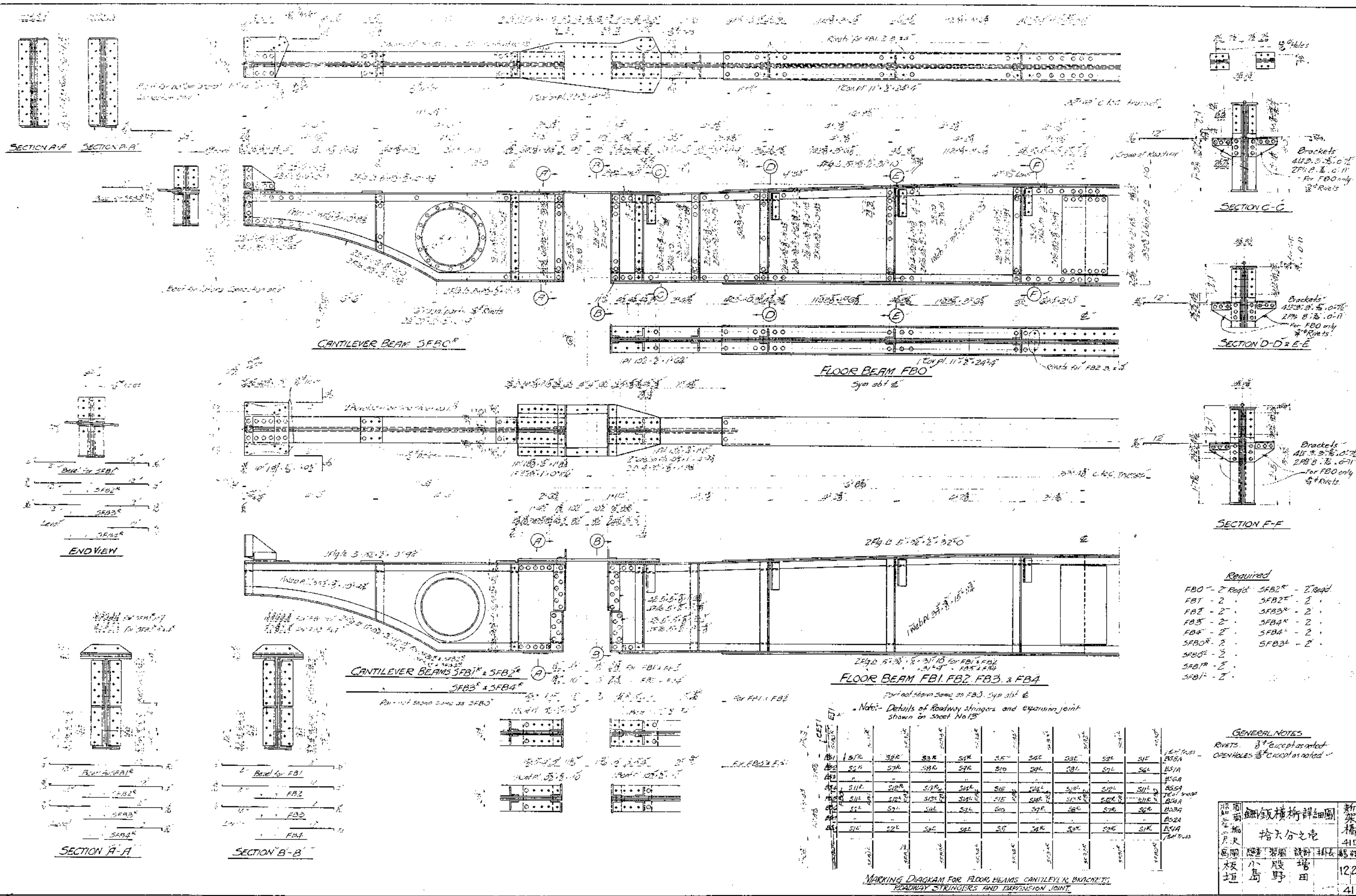
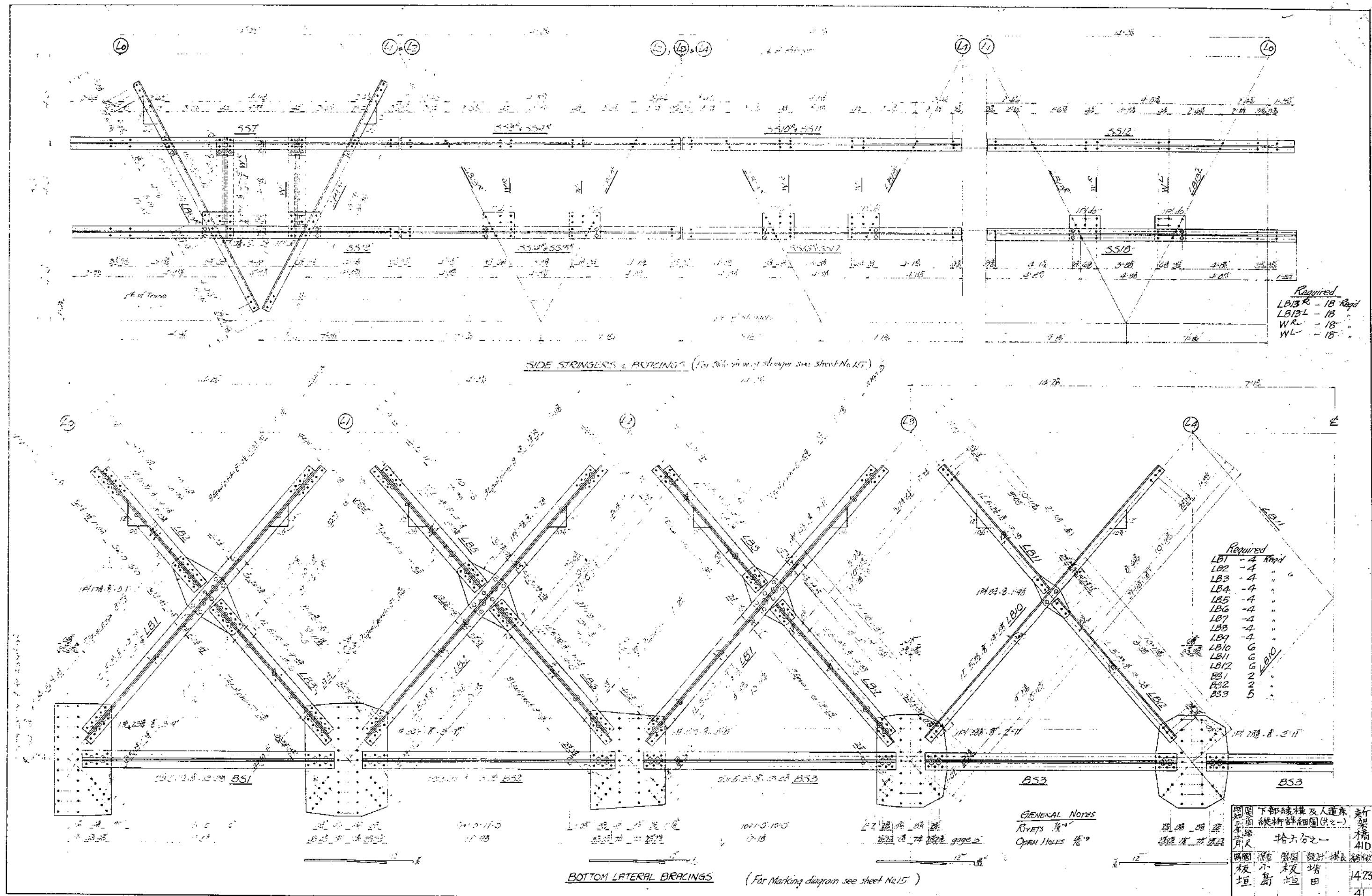
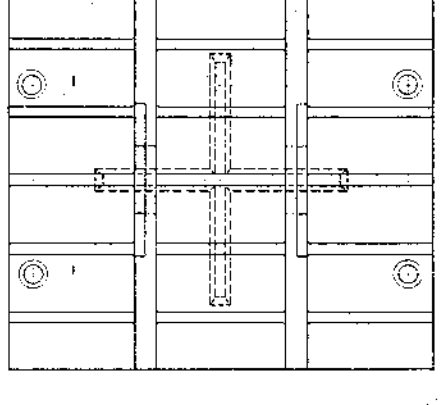
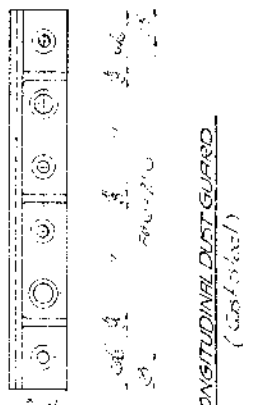
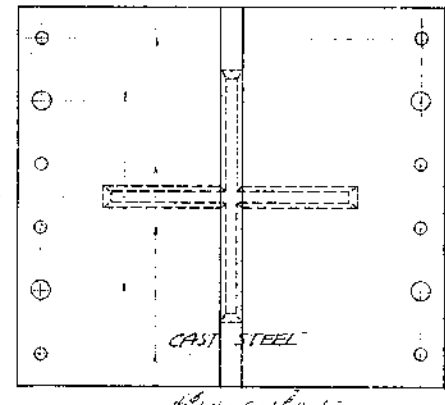
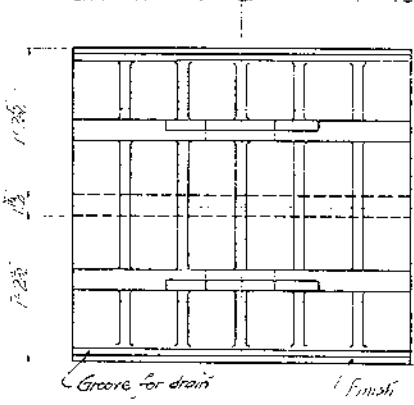
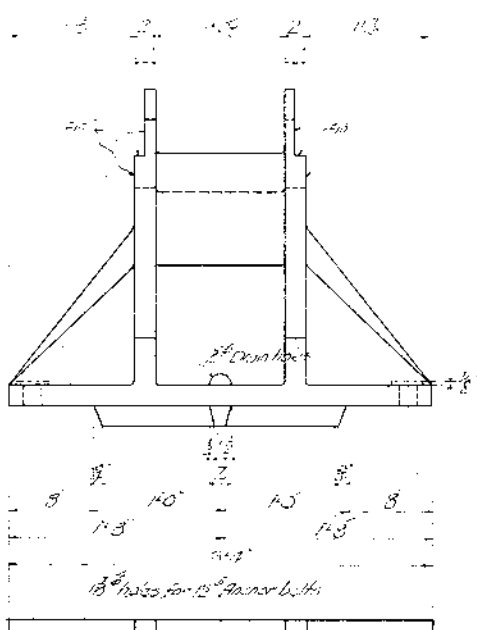
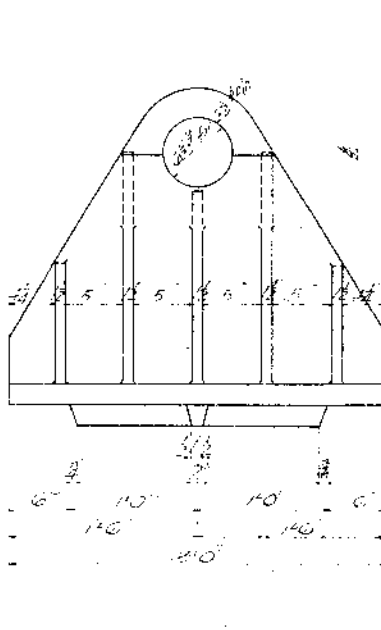
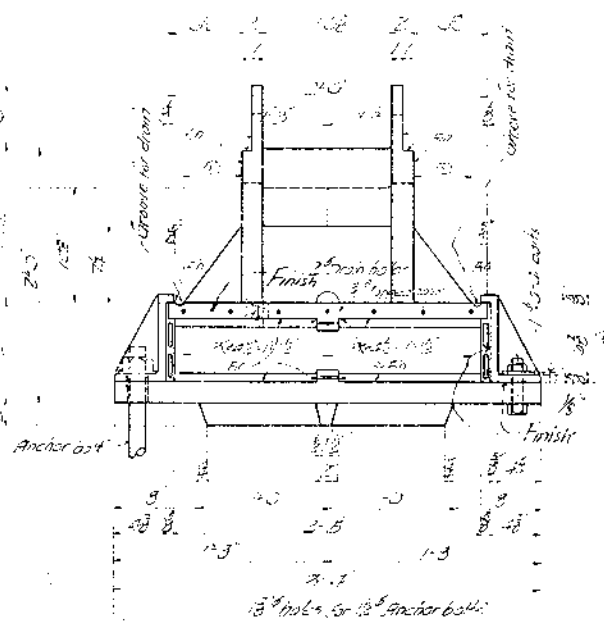
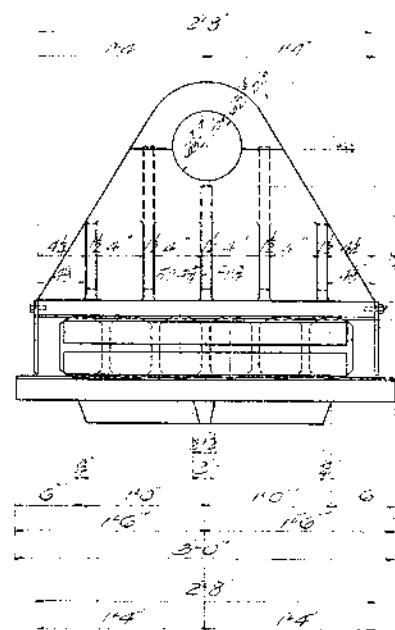




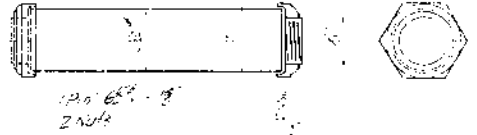
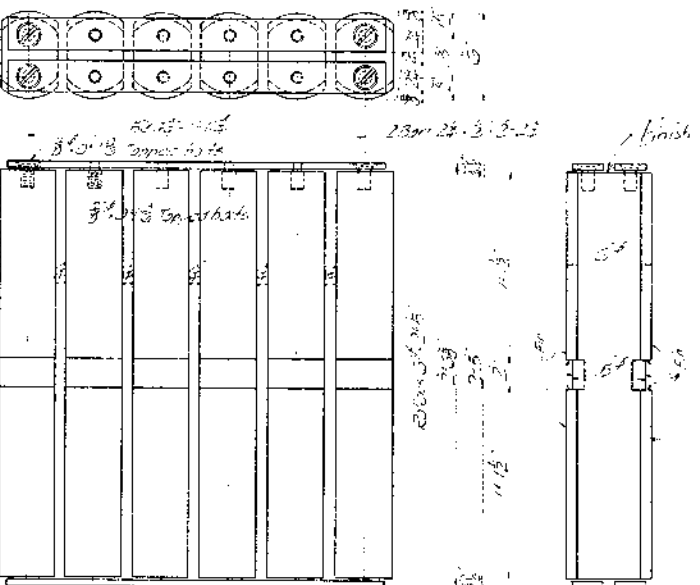
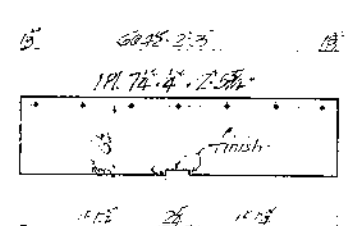




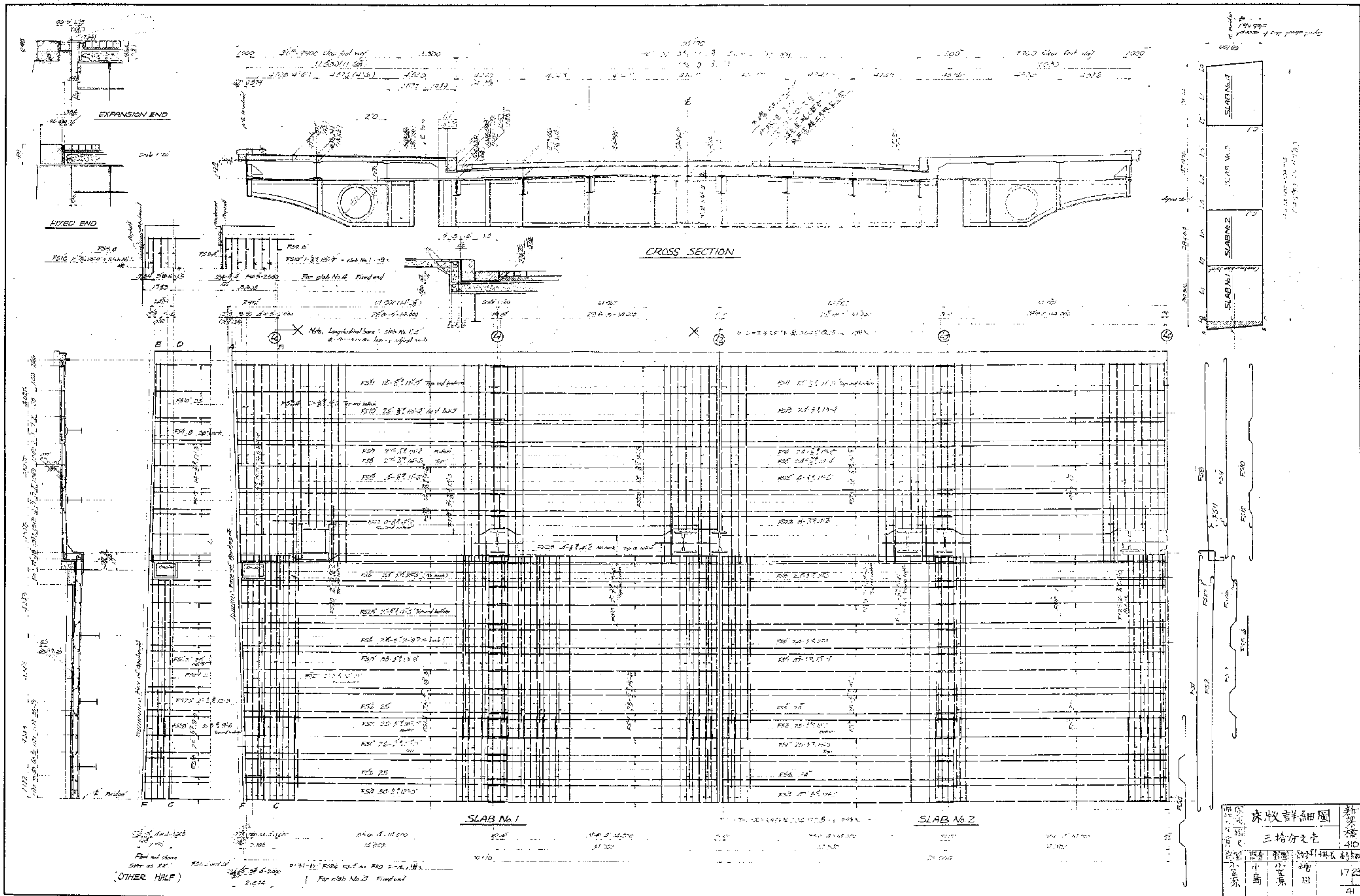
ROLLER SHOE
(CAST STEEL)

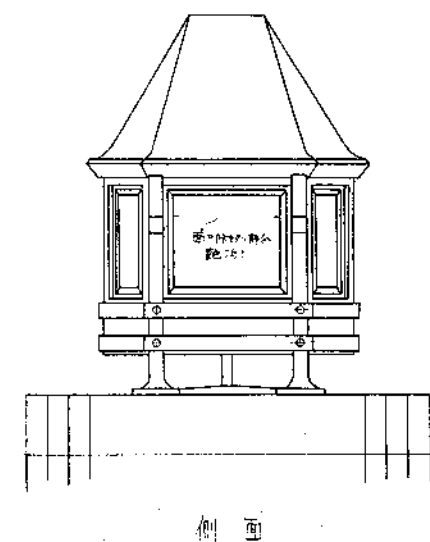
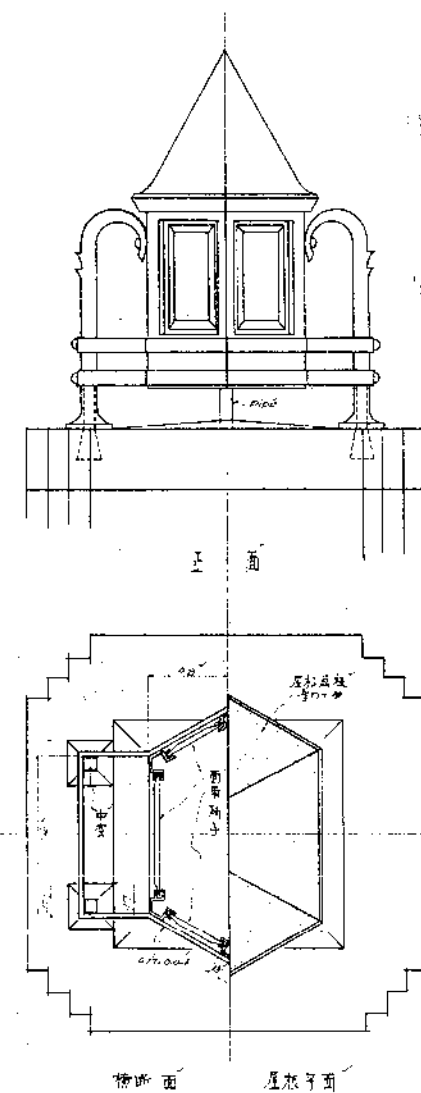
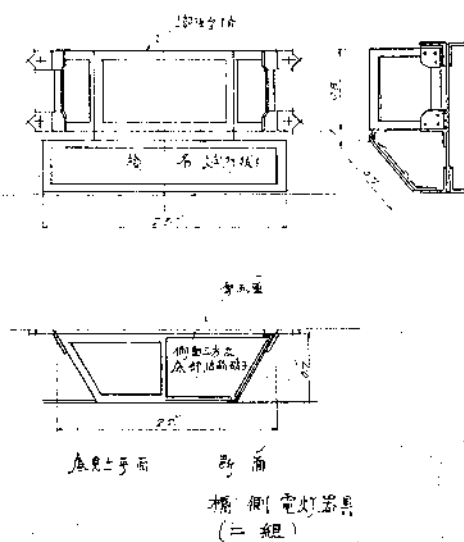
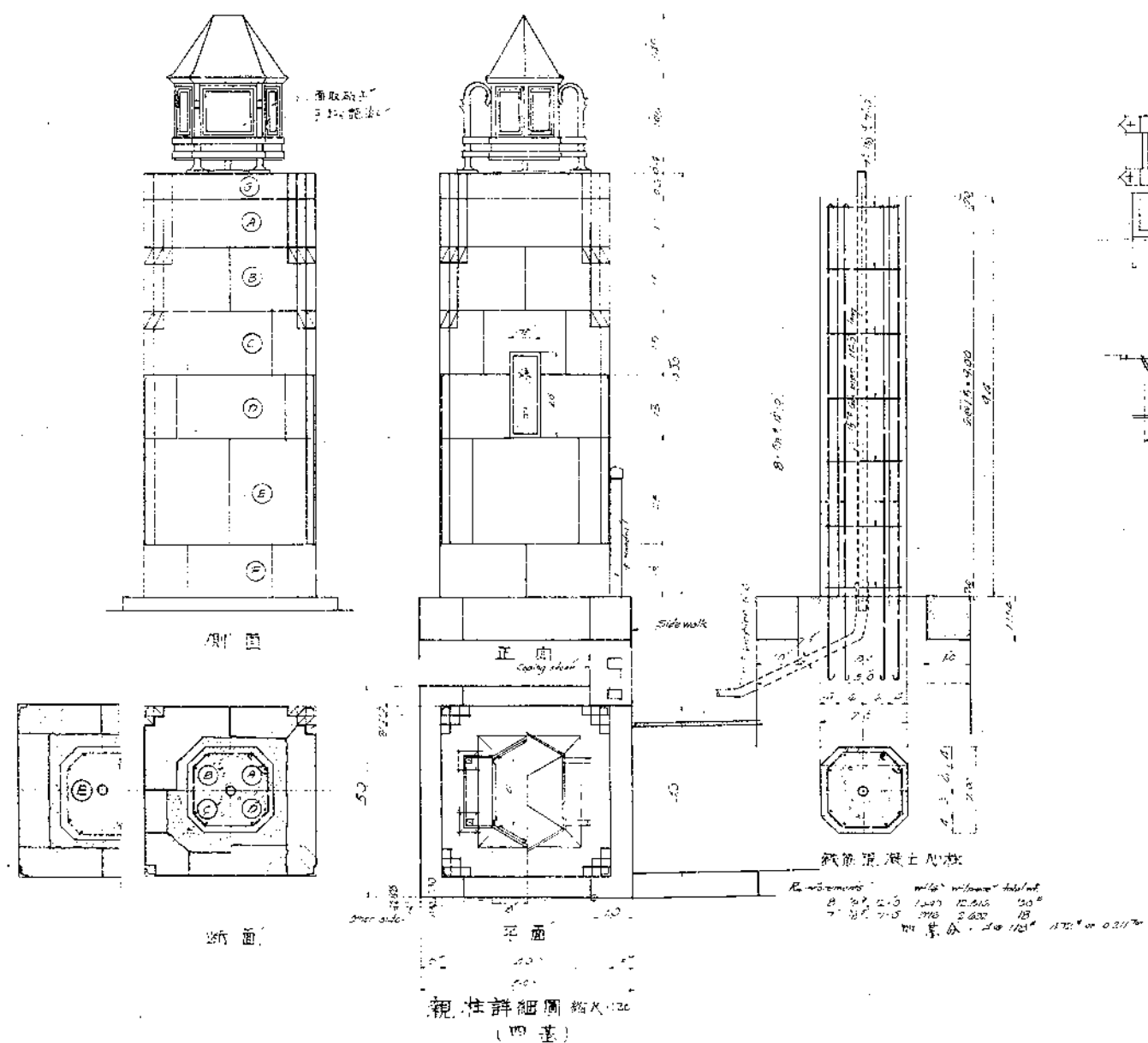
FIXED SHOE
(CAST STEEL)

Required
Roller shoes 2 sets reqd
Fixed shoes 2 sets ..
Pins 4" Required

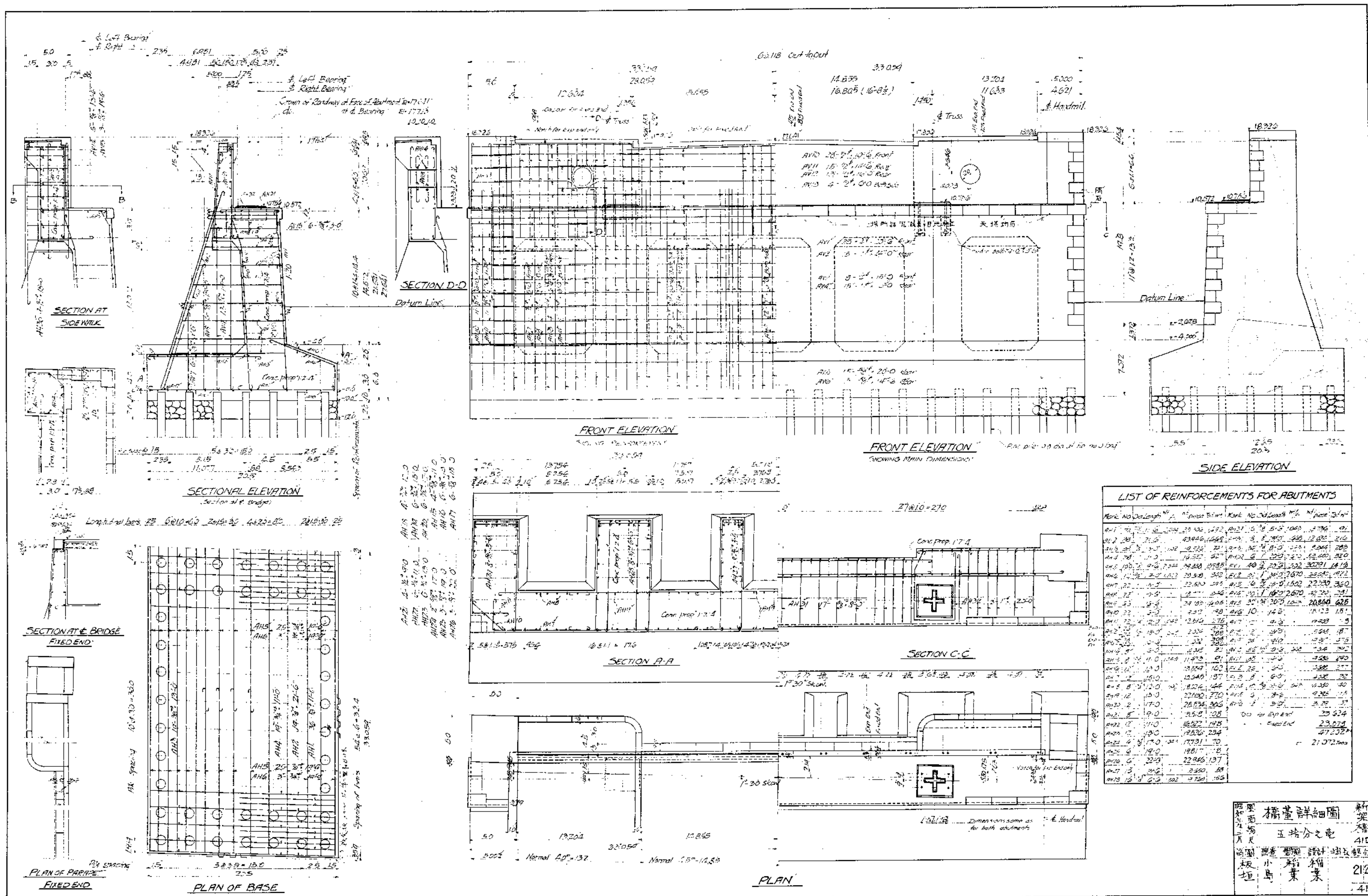


新架橋	鐵骨詳細圖	410
板	八分之七	1623
板	板	41

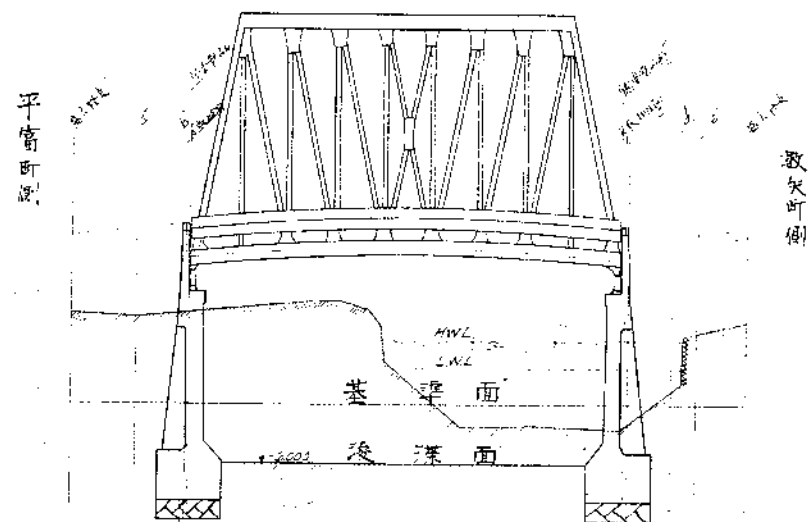




親柱圖		新架橋
二拾分一	拾分一	41D
監工	設計	校核
謝國	森田	增田
2023		
41		

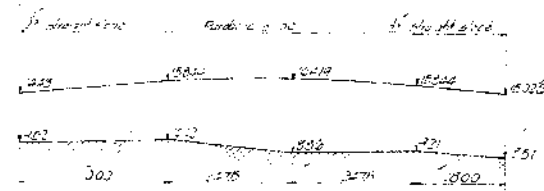


縱斷面圖

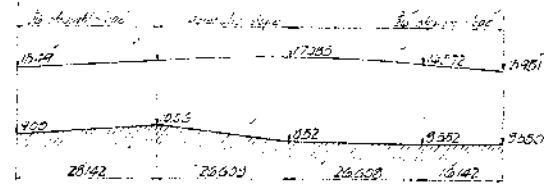
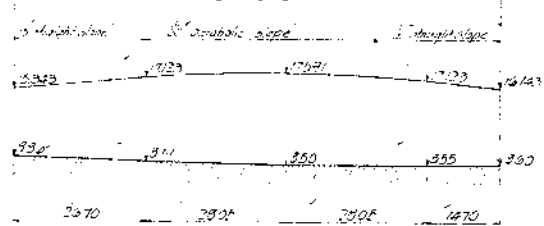


橫断面圖

平富町側
盛土 社会 黒土

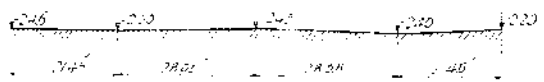
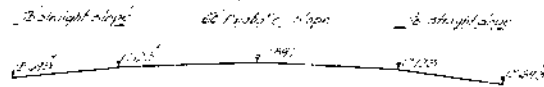


計 型 2-2

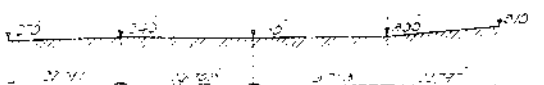
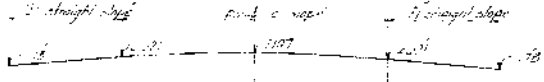
断面 $\frac{1}{2}-\frac{1}{2}$ 

數矢即例

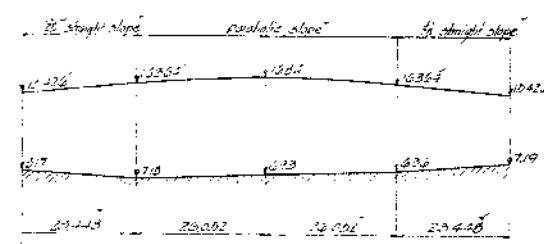
断面 C'-C'



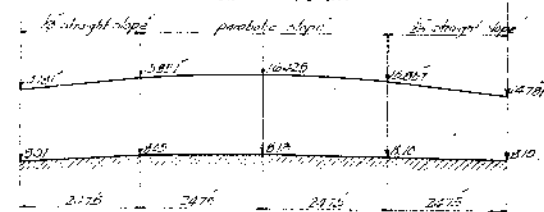
157 集 2.4



断面 $e'-e$.



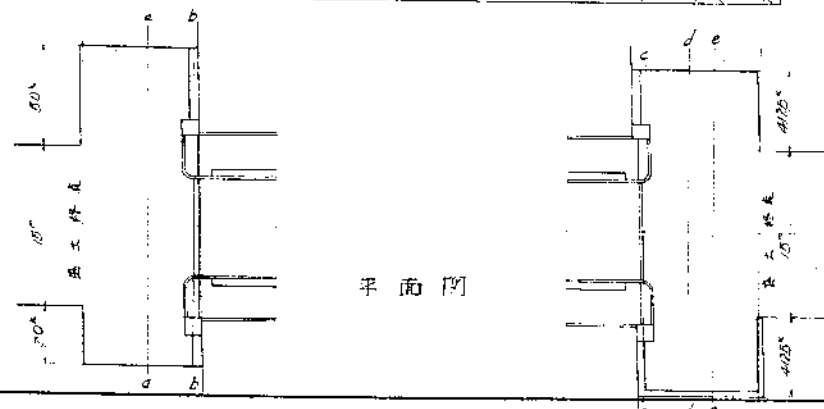
盧 王 莊



④ 直接三聯

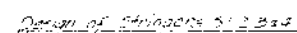
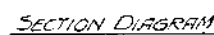
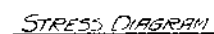
在物理學中

1245

[illegible]

圖上盛諧橋

昭和二年三月	橋詰盛土園 花壇 五分文 三枚有之	新築橋	4D
岡山崎	坂垣	猪業	23.23
			41



අනුමාපනය කළේ: $\frac{7500 \times 2}{5600} = 26.8^{\circ}$

සහ $14 + 12.01 = 26.01$ $26.8 - 26.01 = 0.79^{\circ}$

Stringers 20: 6

section modulus req'd = $\frac{24700 \times 12}{16500} = 18.3$
 Use $S_x = 24.5 \times 3109$ $3m = 3.127^4$

Springer 27

Solution reqd.

$$\frac{20,700 - 12}{17,000 + 12} = .12^{\circ}$$

USE

$$\begin{array}{rcll} \frac{20}{101} & \cdot \frac{3}{17} & \cdot \frac{8}{6} & = \frac{316^{\circ}}{53!} \\ & & & = \frac{53!}{7601} \end{array}$$

Design of Cantilever beam.

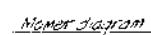
$$\text{section ratio} = \frac{7.56 \cdot 110 \cdot 12}{10.17 \cdot 273} = 5.04 - 1.53 = 3.51 \text{ in.}$$

Use $24.5 \times 10^3 \text{ g}$: 2.1^2
 $\text{mass } 24.5 \times 10^3$: $\frac{2.27}{18.37}$
 $2 \text{ Tension } 24.5 \times 10^3$: $2.0 - 2.0 = 0.0^2 \text{ net}$

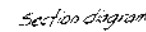
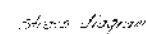
Debit of \$ 83.00 Paid to 12/27/07

	1st	2nd	3rd	4th
D. L. MUMFORD	41.100	54.100	120.100	154.300
E. L. "	35.900	30.100	120.500	250.300
	<u>77.000</u>	<u>84.200</u>	<u>240.600</u>	<u>404.600</u>

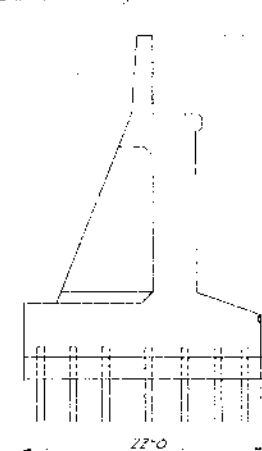
DL shear 24.260
 LL " 20.590
71.810 = Max shear

$$\begin{aligned} \text{Slope} &= \frac{69.9 - 60.0}{1700 - 1000} = 0.01164^\circ \text{C}^{-1} \\ \text{at } 20^\circ \text{C} & \quad 20 \times 0.01164^\circ \text{C}^{-1} = 0.1328^\circ \text{C} \\ & \quad 60.0^\circ \text{C} - 0.1328^\circ \text{C} = 59.8672^\circ \text{C} \\ \text{at } 100^\circ \text{C} & \quad 100 \times 0.01164^\circ \text{C}^{-1} = 1.164^\circ \text{C} \\ & \quad 69.9^\circ \text{C} - 1.164^\circ \text{C} = 68.736^\circ \text{C} \end{aligned}$$


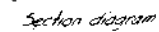
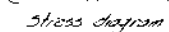
Design of Top Lateral Bracings



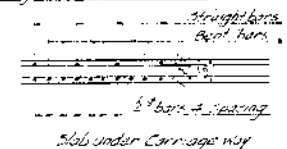
abundant & very rich



Design of Bottom Lateral Bracings



Arrangements of Floor Slabs

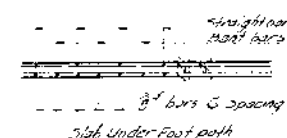


Lead on one extreme side or dangerous side

loading adjustment wing wall

Full Load 12.80^{100%} 12.80^{25%}

During Early June 2760 27.10

Lesson of five.[illegible]
$$\frac{1000}{4} = 250 \quad \frac{17.62}{249.5} = 7.0$$

Realty moment in time $\frac{10000}{2} \times 2.25 = 1125000$ in the end

Return 7 Jan

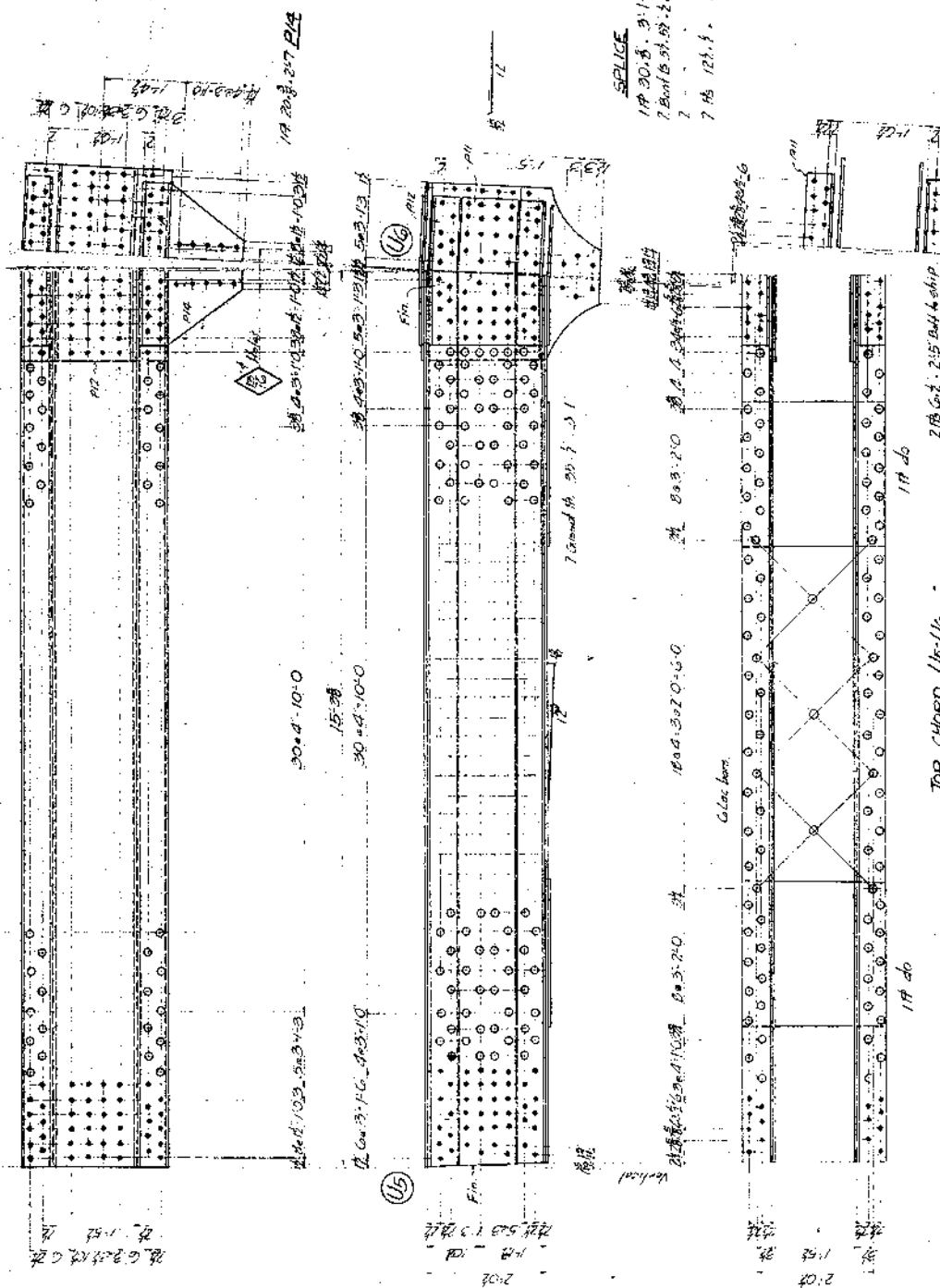
1. 6. 20 = 2105

$$\frac{710220}{4790} = 169' \quad \frac{169}{7} = 24.2' \quad \text{use 7 Rollers}$$

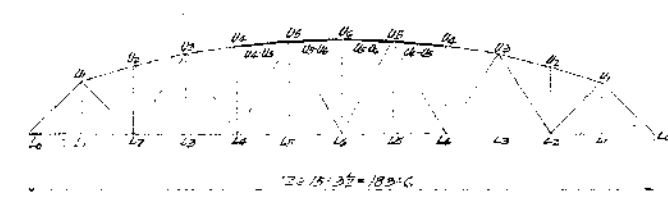
Begin area for granite: 1000

$$\begin{array}{r} 715.332 \\ - 563 \\ \hline 1.240^{\circ} \end{array}$$

昭和三十九年九月	國五	應力及計畫圖				新築橋
昭和三十九年九月	國五					42B
昭和三十九年九月	國五	照看	製圖	技師	掛号	5全
昭和三十九年九月	國五	昭和三十九年九月	昭和三十九年九月	昭和三十九年九月	昭和三十九年九月	32
昭和三十九年九月	國五	昭和三十九年九月	昭和三十九年九月	昭和三十九年九月	昭和三十九年九月	42



REQUIRED	
4	TOP CARDS
4	US-66
4	ANGLES
8	A98
4	A10
4	A11
4	A12
8	PLATES
8	P10
8	P11
2	P12
2	P13 ⁵
2	P13 ⁴
2	P14
4	P15
4	ANGLES
	A94



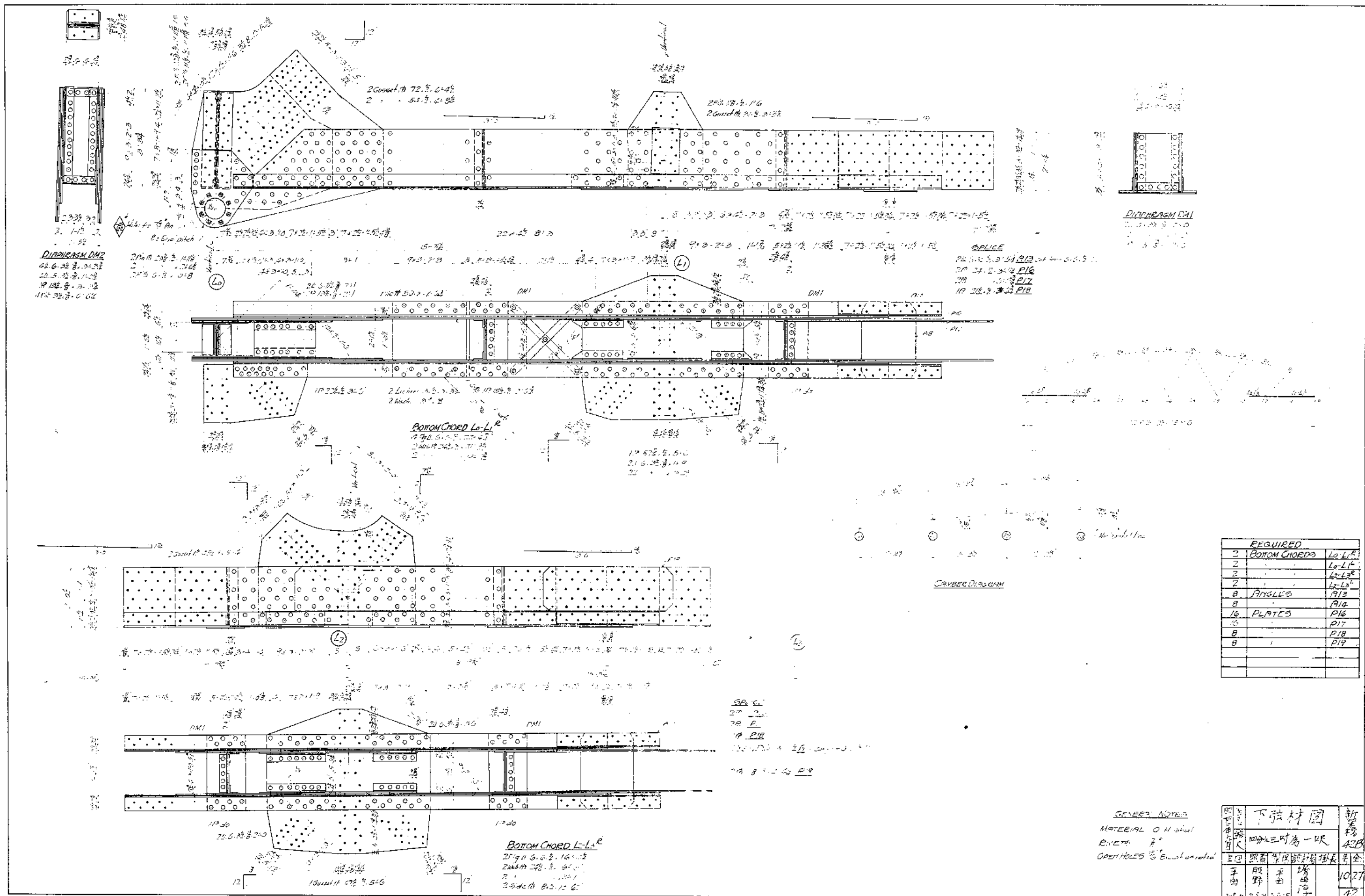
GENERAL NOTES

MATERIAL. O H steel

RIVETS. $\frac{3}{8}$ "

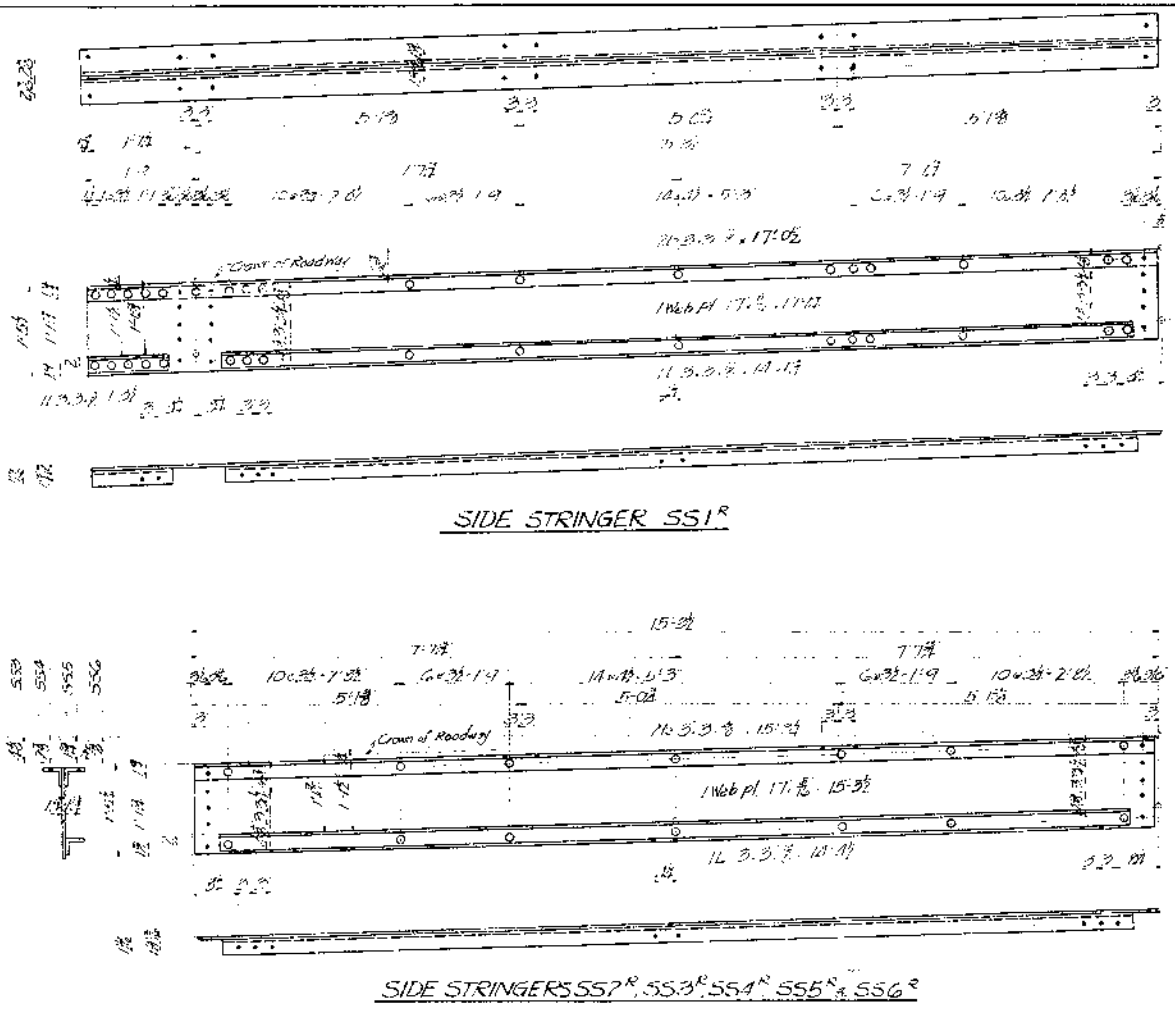
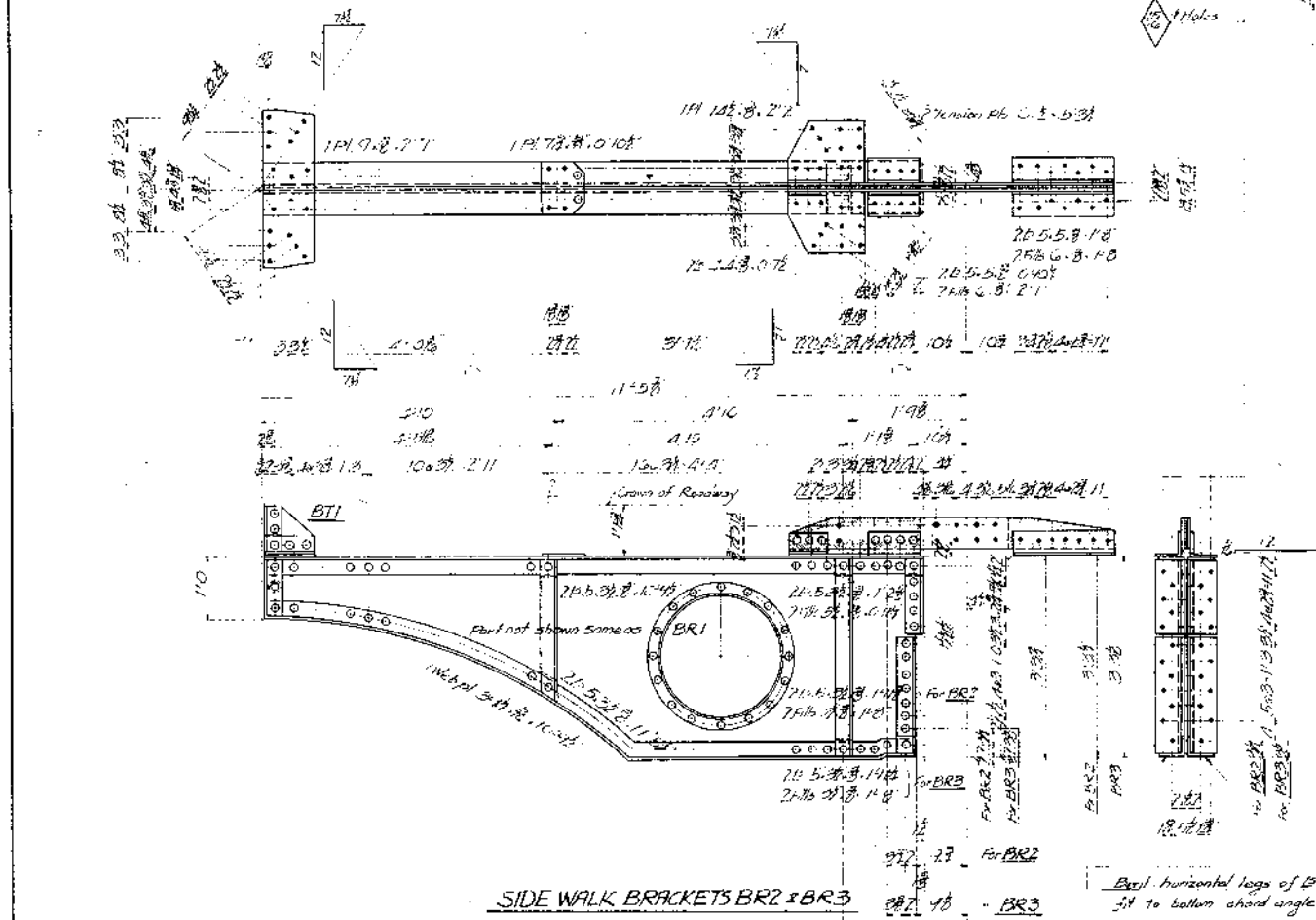
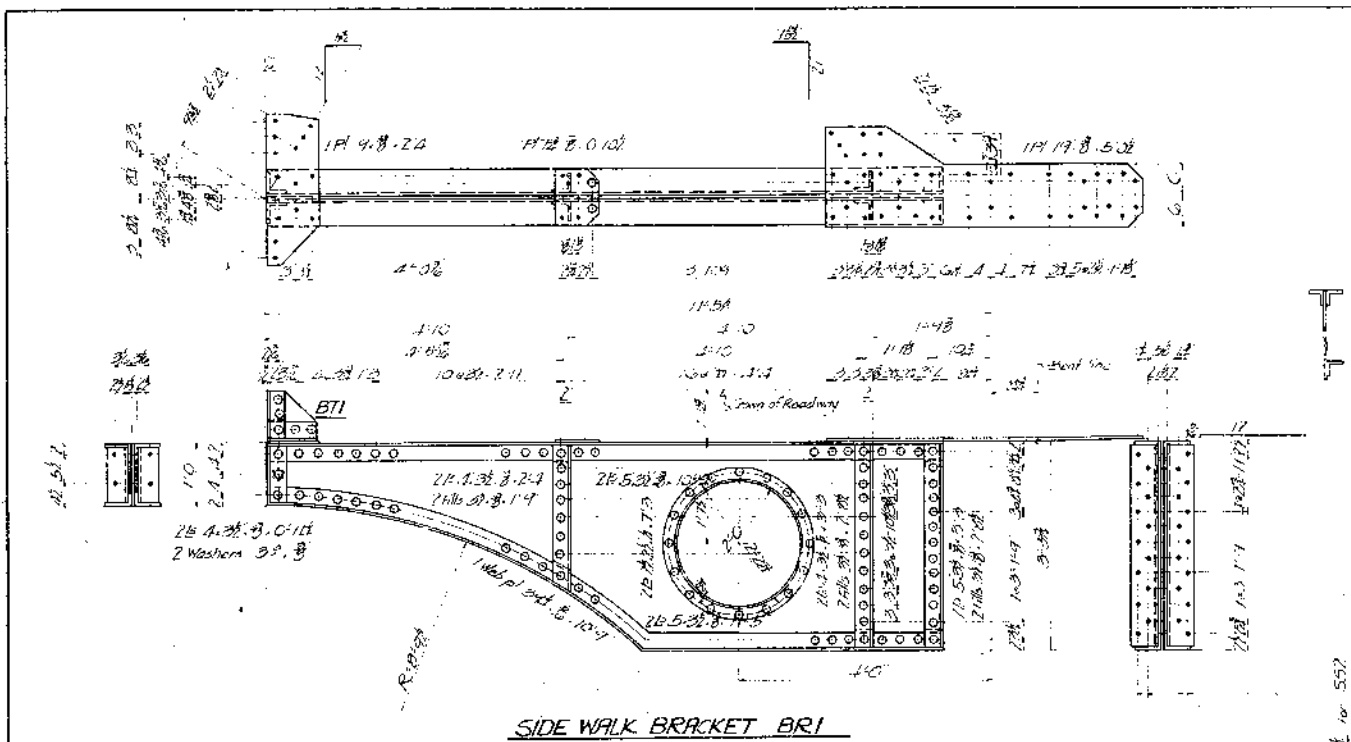
OPEN HOLES. $\frac{15}{16}$ " Except as noted

昭和 二十九年九月	上弦材園				第 不 4
	3 叶為一吹				
空園	照查	整園	諸情	樹表	号
山 崎 2-8-26	股 野 2-5-30	平 田 2-4-22	増 田 淳		9 4



REQUIRED		
2	BOTTOM CHORD	L-L
2		L-L
2		L-L
2		L-L
8	ANGLES	P13
8		P14
16	PLATES	P16
16		P17
8		P18
8		P19

下弦材圖		
材料	規格	數量
鋼材	4分三吋為一呎	42.7
鋼材	4分三吋為一呎	42.7
鋼材	4分三吋為一呎	42.7
鋼材	4分三吋為一呎	42.7



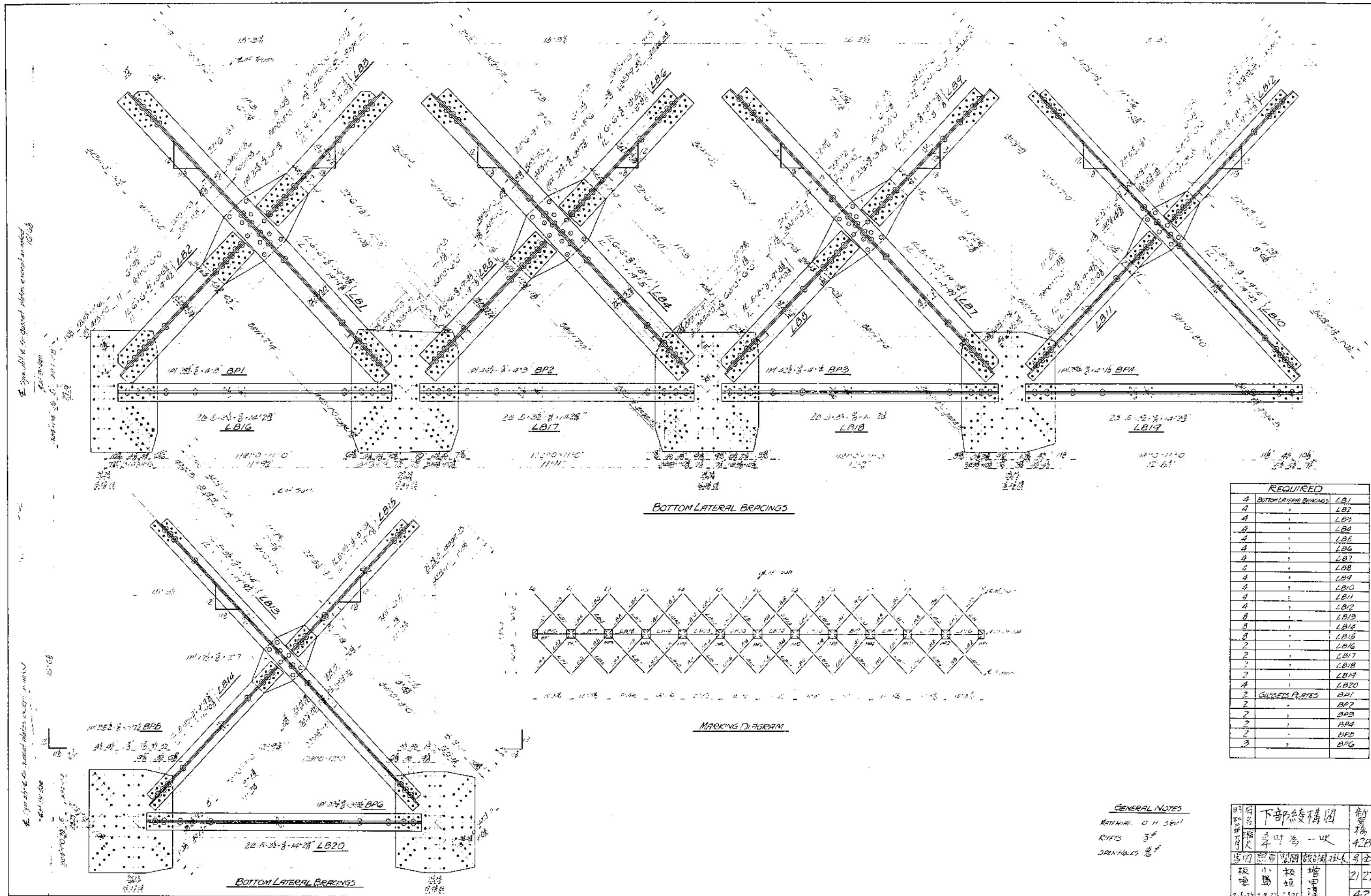
7' 8.1\"/>

REQUIRED		
4	SIDE WALK BRACKETS	BR1
12		BR2
2	SIDE STRINGERS	SS1R
2		SS2R
2		SS3R
2		SS4R
2		SS5R
2		SS6R
2	BRACKETS	BT1
10	SIDE WALK BRACKETS	BR3
2	STRINGERS	SS6R

GENERAL NOTES											
MATERIAL	C.H. Steel										
RIVETS	5/8"										
OPEN HOLES	1 1/2" Except as noted										

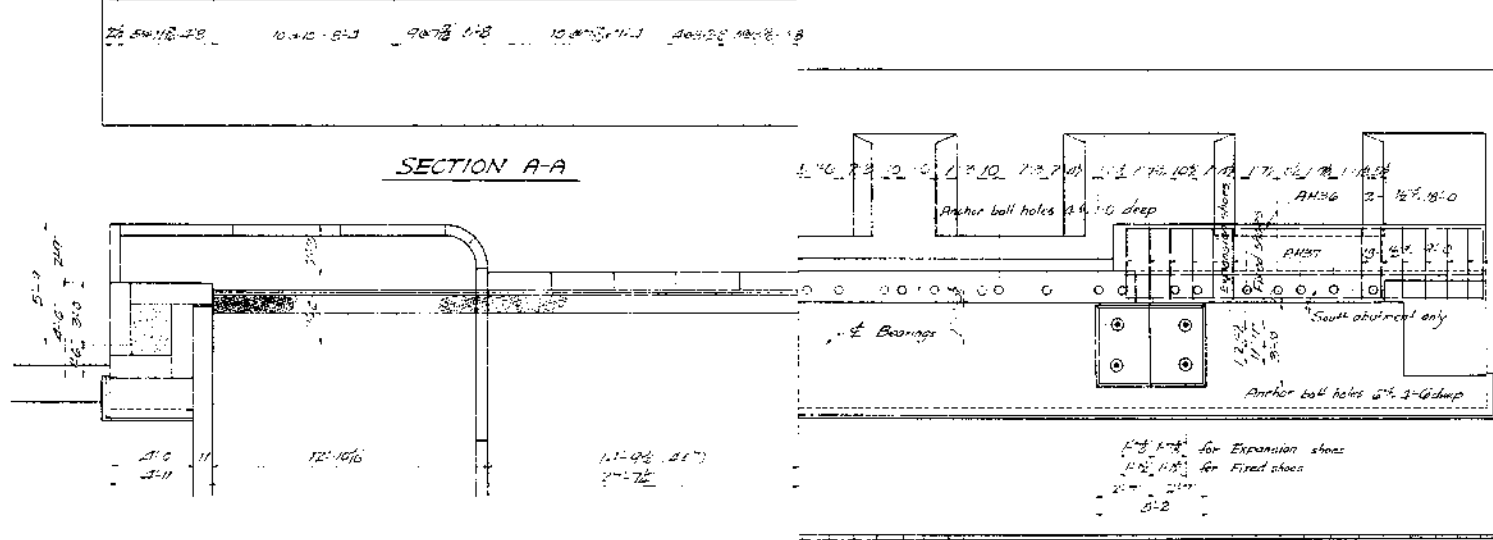
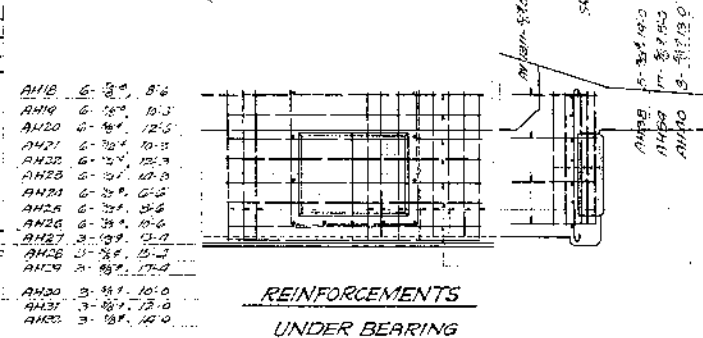
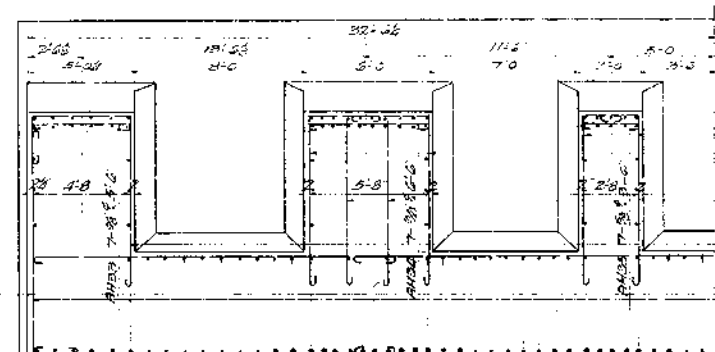
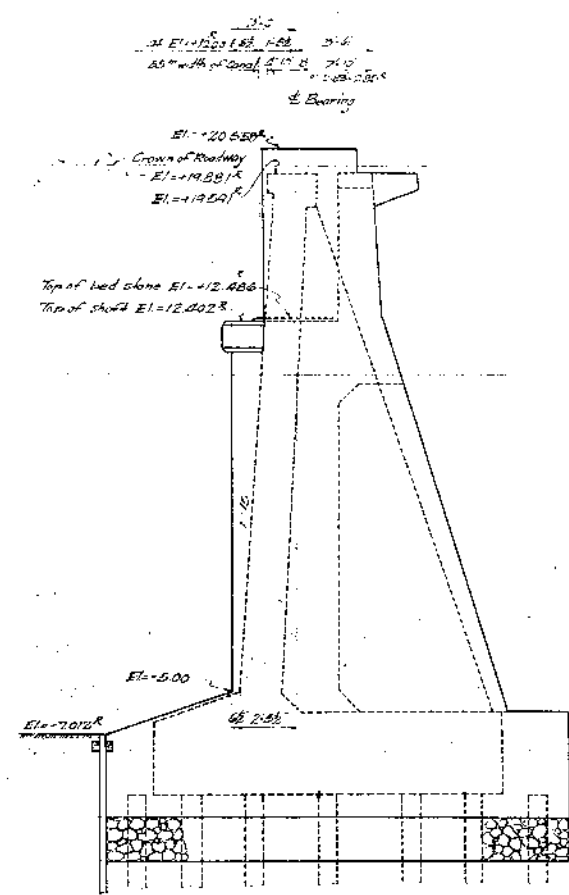
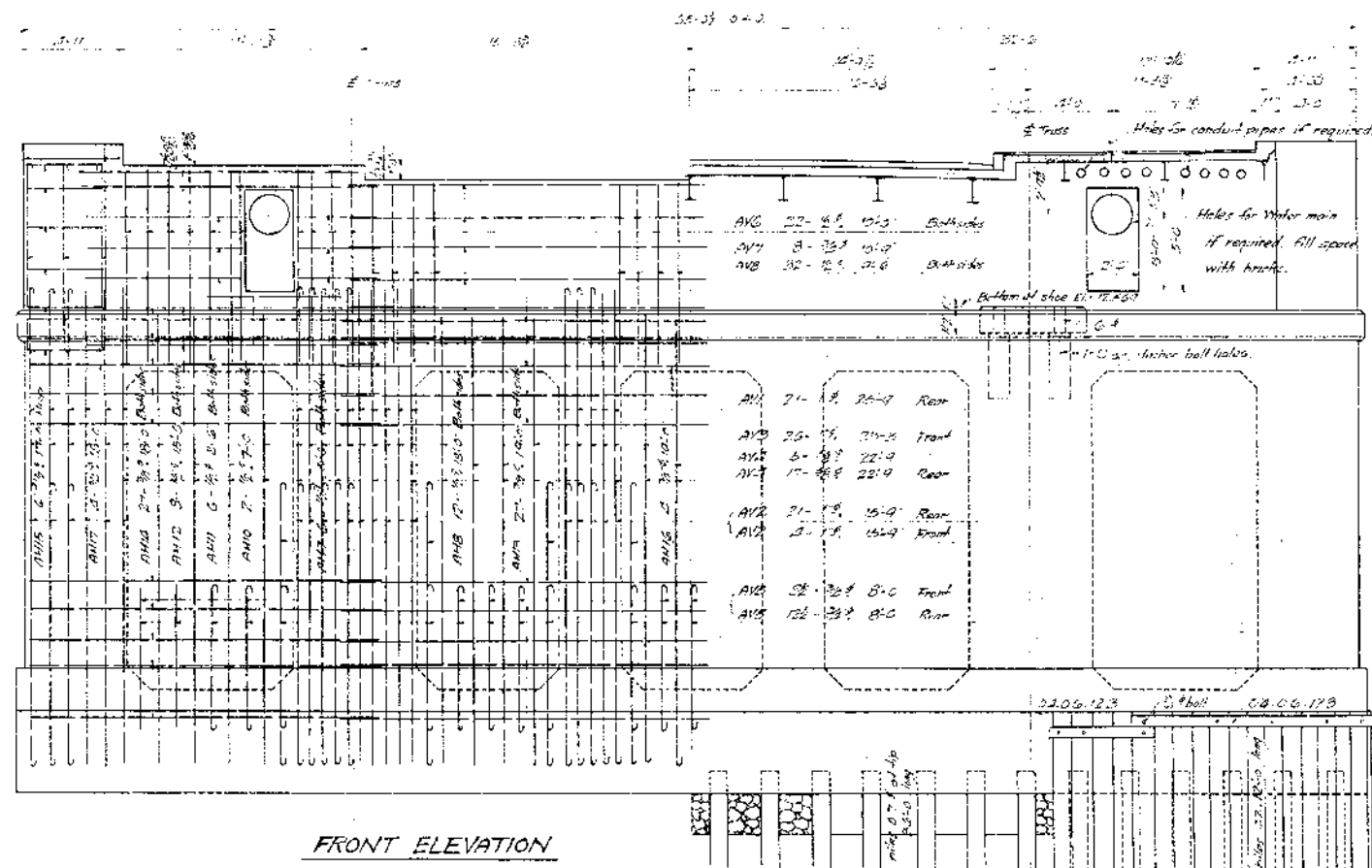
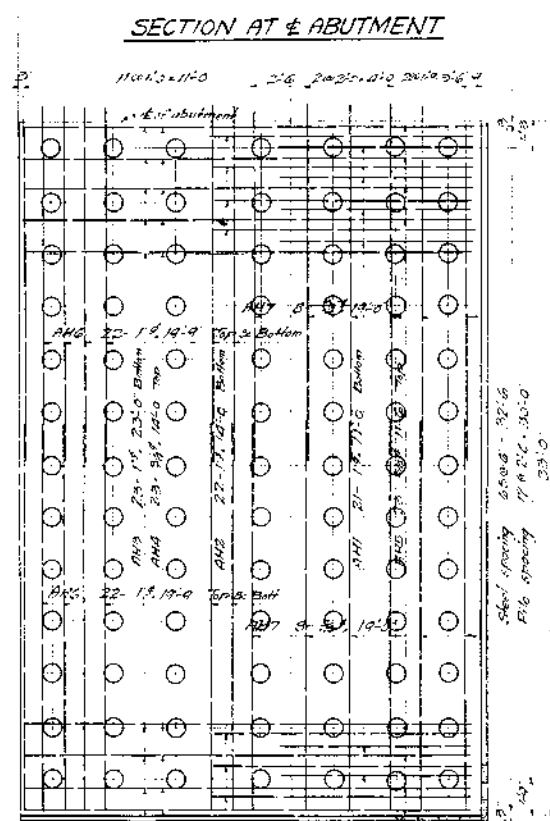
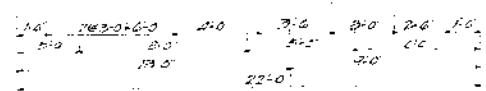
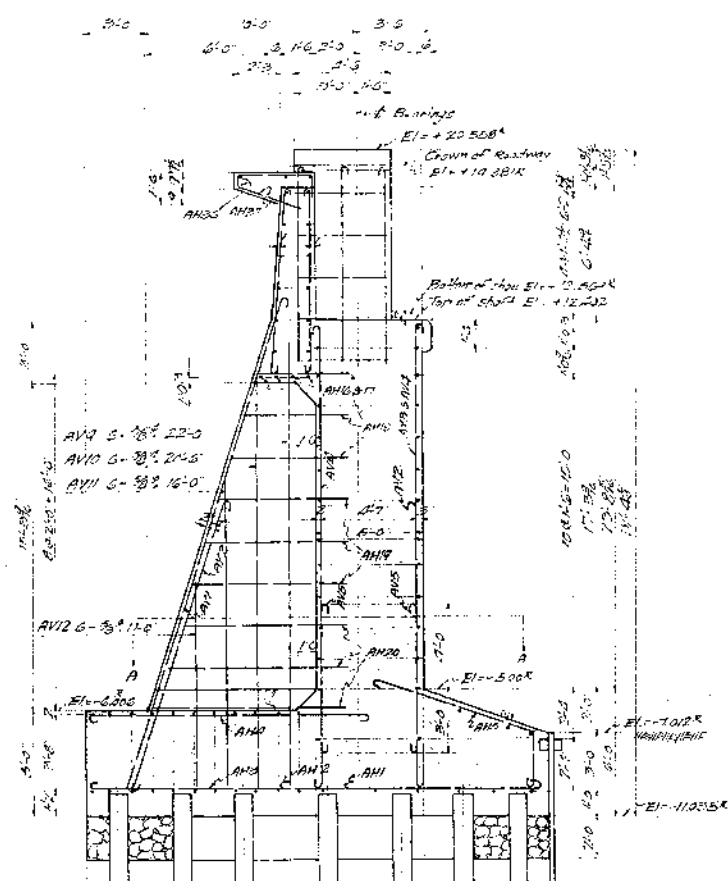
GENERAL NOTES
 MATERIAL C.H. Steel
 RIVETS 5/8"
 OPEN HOLES 1 1/2" Except as noted

明洞	人	造	部	床	材	及	新
材料	名	称	图	号	428		
比例	1:40	2:1	1:1				
日期	1927						
设计	1927						
校核	1927						
审核	1927						
批准	1927						

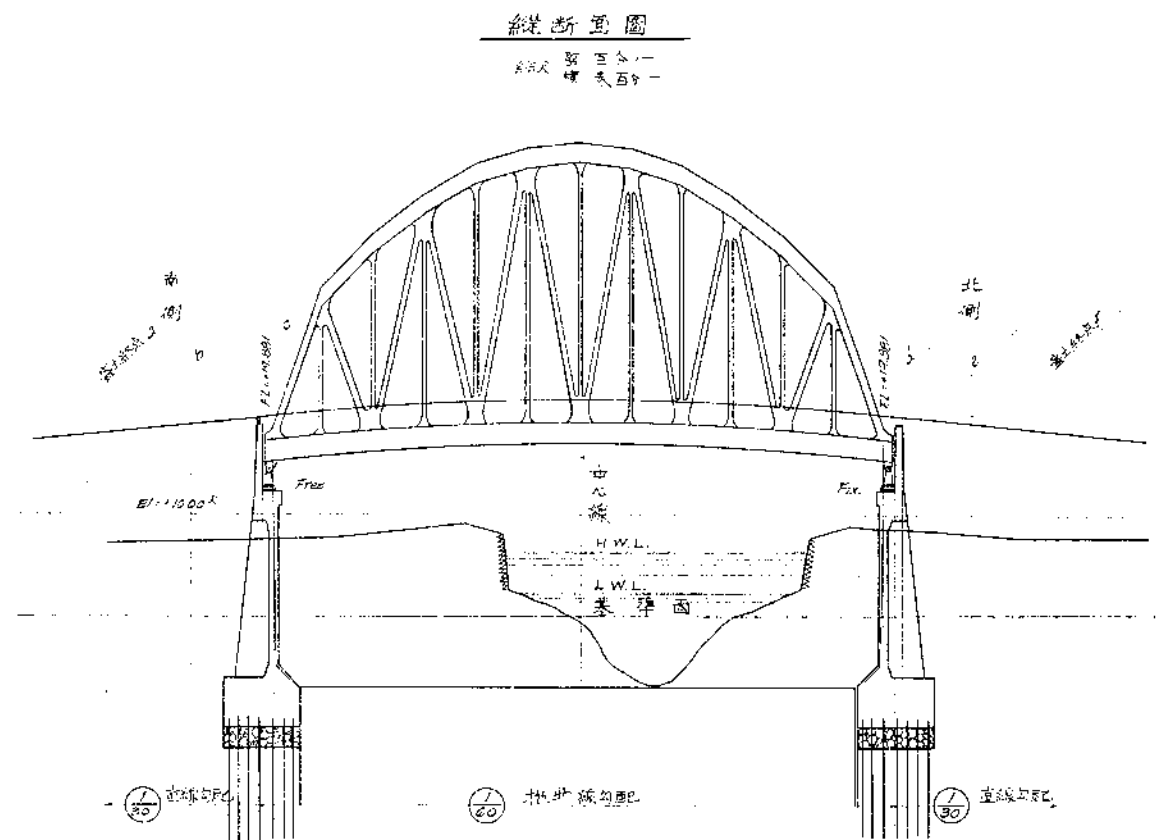


REQUIRED	
4	BOTTOM LATERAL BRACINGS LB1
4	LB2
4	LB3
4	LB4
4	LB5
4	LB6
4	LB7
4	LB8
4	LB9
4	LB10
4	LB11
4	LB12
8	LB13
8	LB14
8	LB15
2	LB16
2	LB17
2	LB18
2	LB19
4	LB20
2	GUARD RAILS BP1
2	BP2
2	BP3
2	BP4
2	BP5
3	BP6

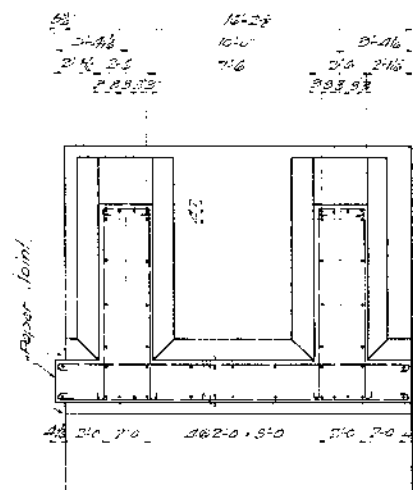
明部	下部構造図	新橋
橋名	平野橋	42B
橋長	11.5m	21.27
橋幅	11.5m	4.2
橋脚	2.5m	2.5m

[illegible]

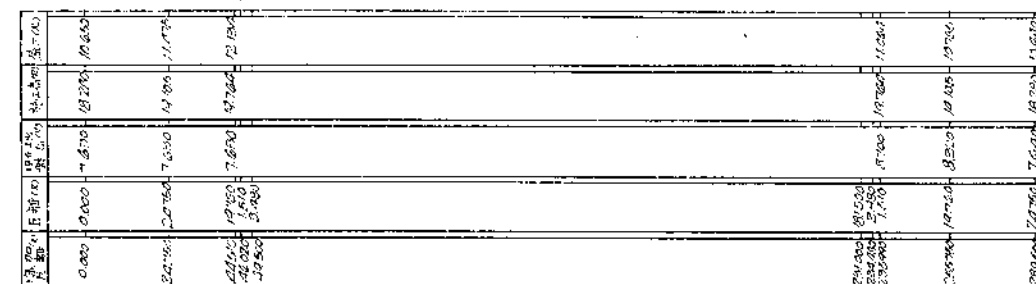
昭和五十八年	園面繞又	橋臺之圖			架橋
		以四分一吋爲一呎			42呎
馬田	照表	梨園	試驗田	柑園	柑園
小笠原 2-4-20	小島 2-4-21	稻葉 2-4-22	埤田 2-4-23		252
					42



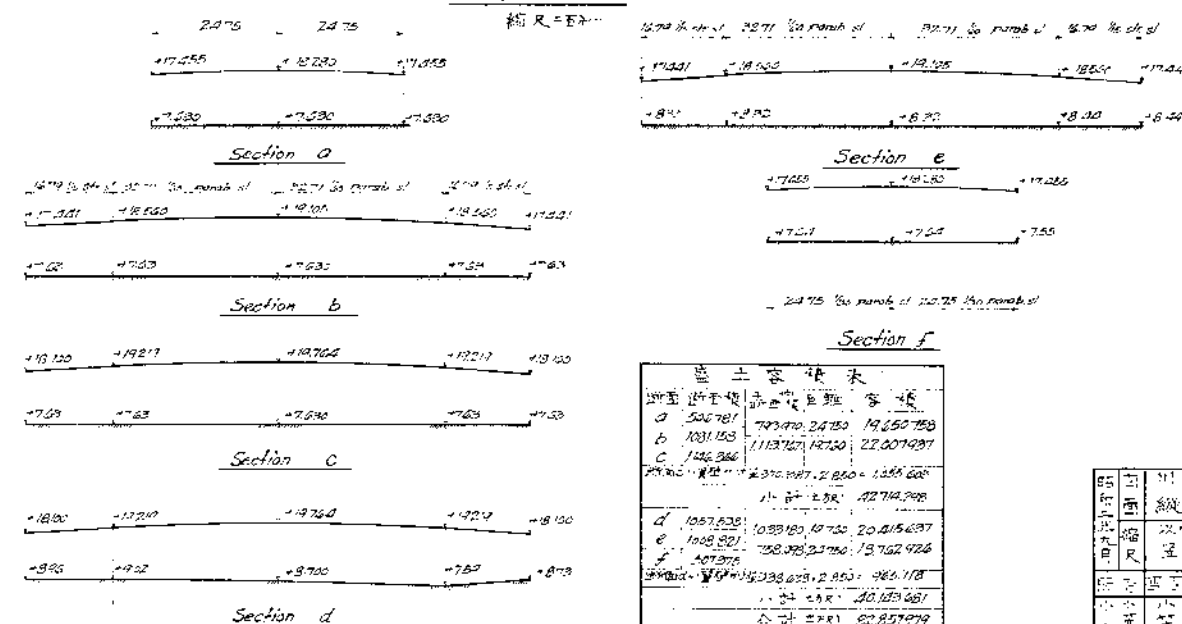
SIDE ELEVATION



SECTION A-A



橫断面圖

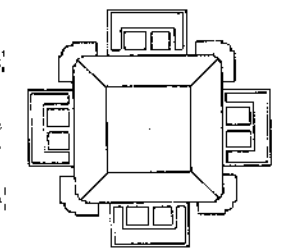
[illegible][illegible]

WING WALL

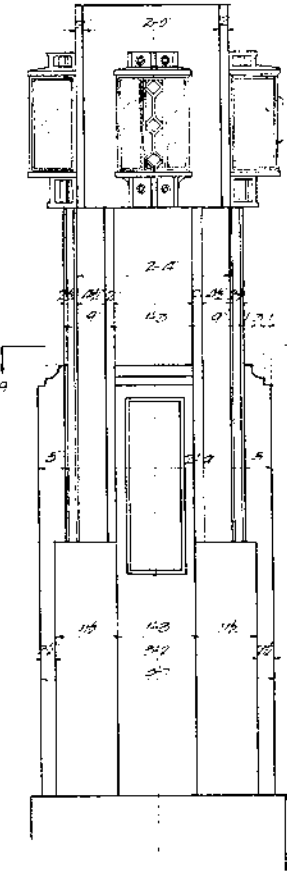
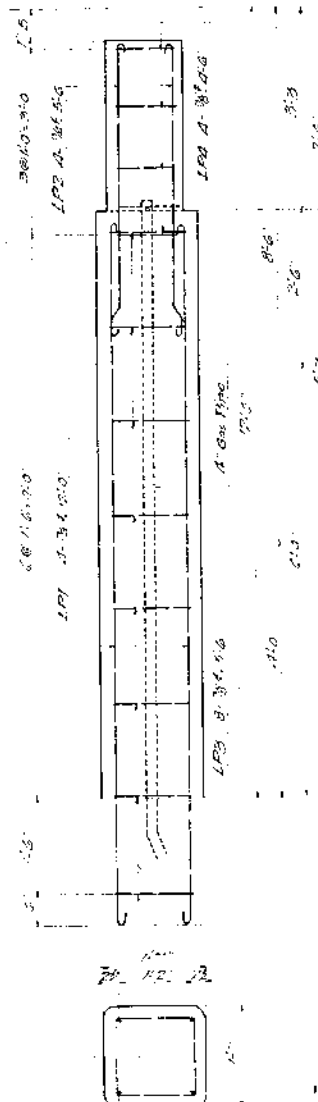
2. Req'd
Scale $\frac{1}{4}'' = 1'$

REIN FOR LIGHT PEDESTAL

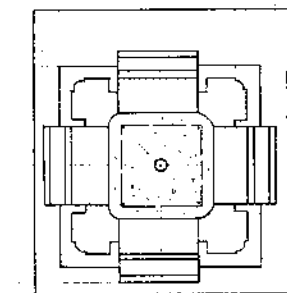
Mark No.	Length	Wt.	Wt. per Total
LP1 A	12.0	1500	18.225
LP2 A	12.0	1500	18.225
LP3 B	12.0	1500	18.225
LP4 A	12.0	1500	18.225



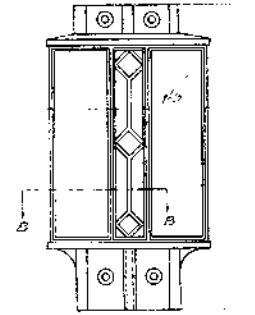
TOP VIEW SHOWING LIGHTS



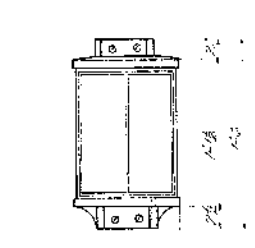
SECTION A-A
LIGHT PEDESTAL
4 Req'd



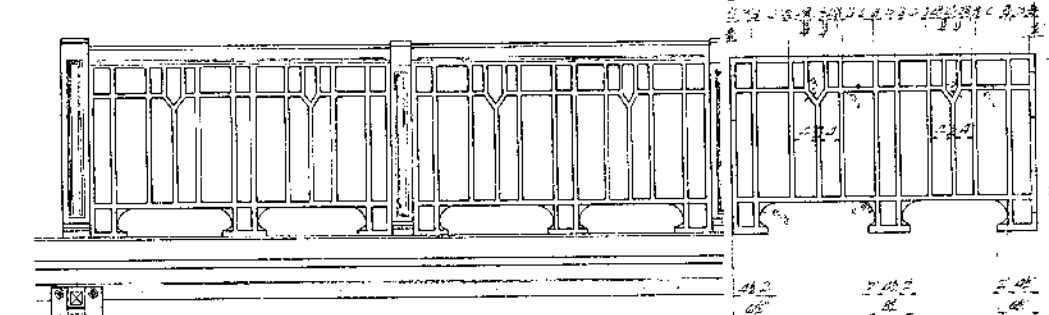
SECTION B-B
FOR PEDESTAL
Scale: 1/2"=1'-0"
Material not less than 1/2" 16 Req'd



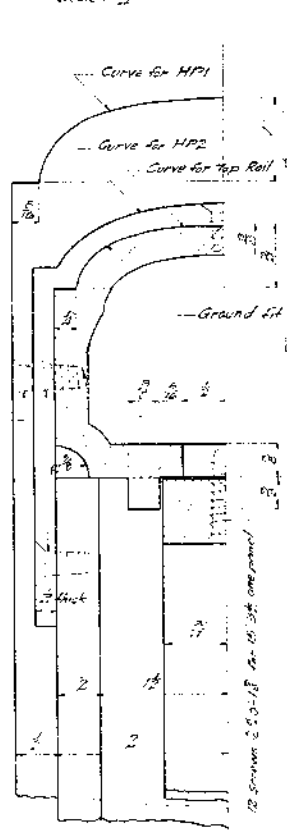
BRONZE LIGHT FIXTURE
FOR PEDESTAL
Scale: 1/2"=1'-0"
Material not less than 1/2" 16 Req'd



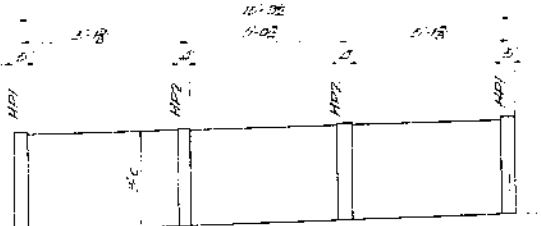
BRONZE LIGHT FIXTURE FOR
TRUSS & NAVIGATION PILOT
Material not less than 1/2" 14 Req'd



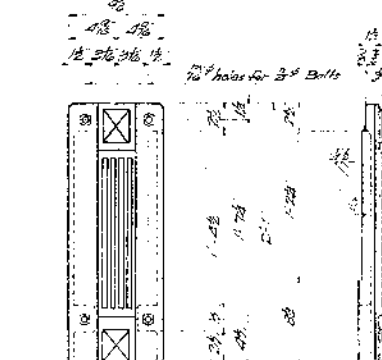
HANDRAILS
Scale: 3/8"=1'-0"



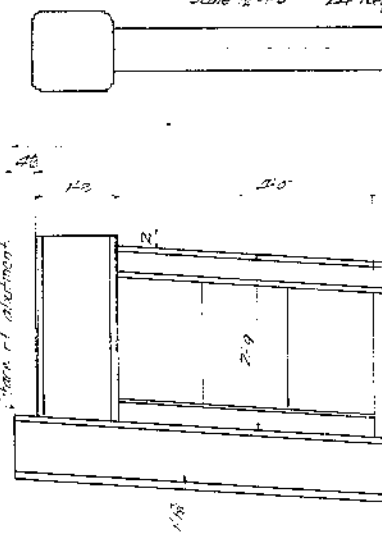
FULL SIZE SECTION OF
HANDRAIL



SKELETON DIAGRAM FOR HANDRAILS



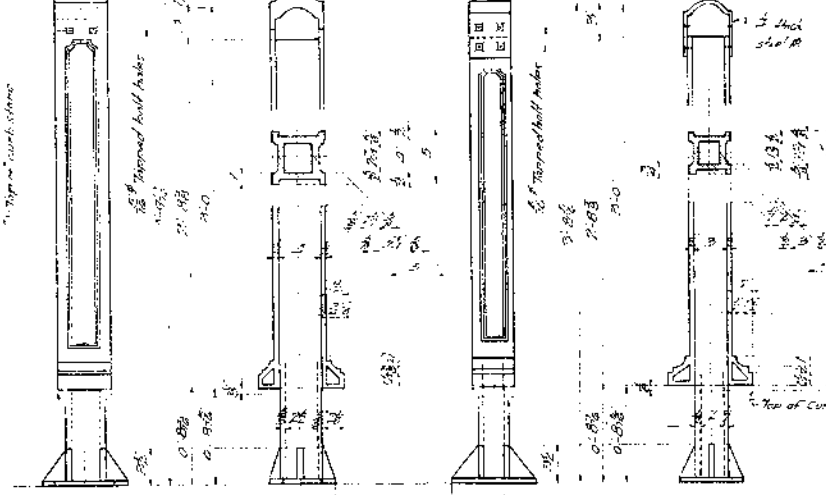
CAST IRON
BLOCK CB
Scale: 1/2"=1'-0"
24 Req'd



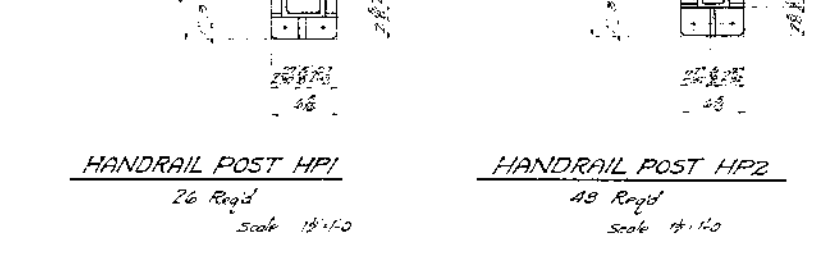
HANDRAIL POST HPI
26 Req'd
Scale: 1/2"=1'-0"



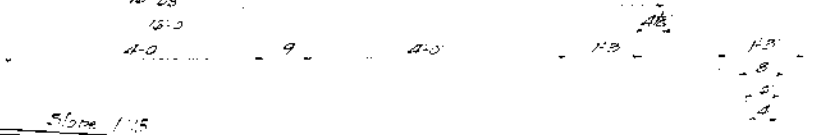
HANDRAIL POST HP2
48 Req'd
Scale: 1/2"=1'-0"



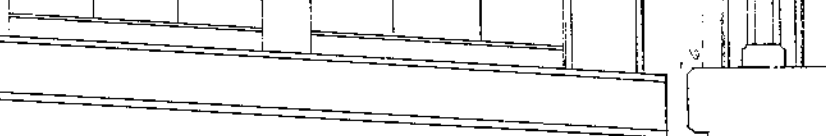
HANDRAIL FOR WING WALL
4 Req'd
Scale: 3/8"=1'-0"



HANDRAIL FOR WING WALL
4 Req'd
Scale: 3/8"=1'-0"



HANDRAIL FOR WING WALL
4 Req'd
Scale: 3/8"=1'-0"



HANDRAIL FOR WING WALL
4 Req'd
Scale: 3/8"=1'-0"

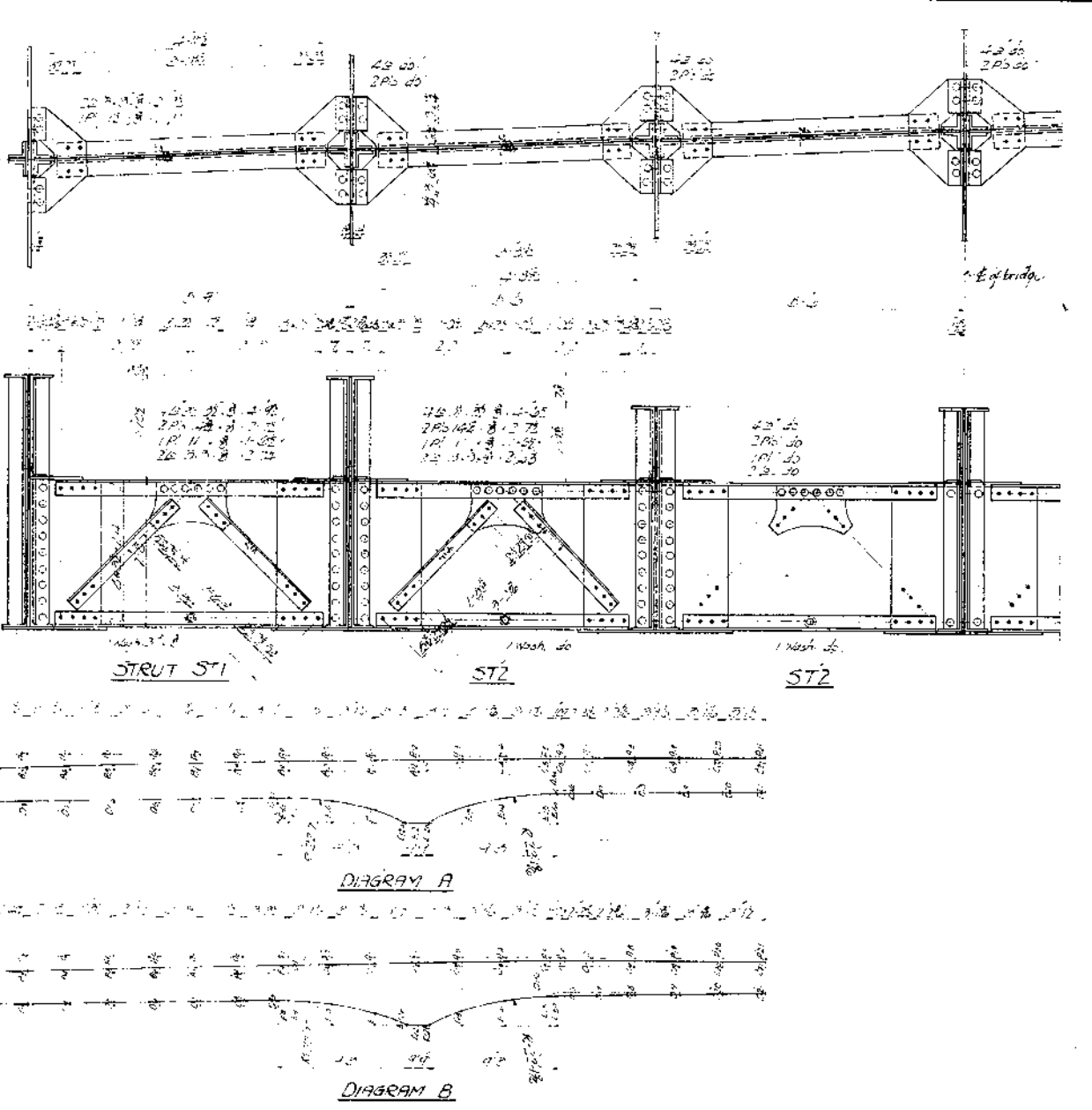
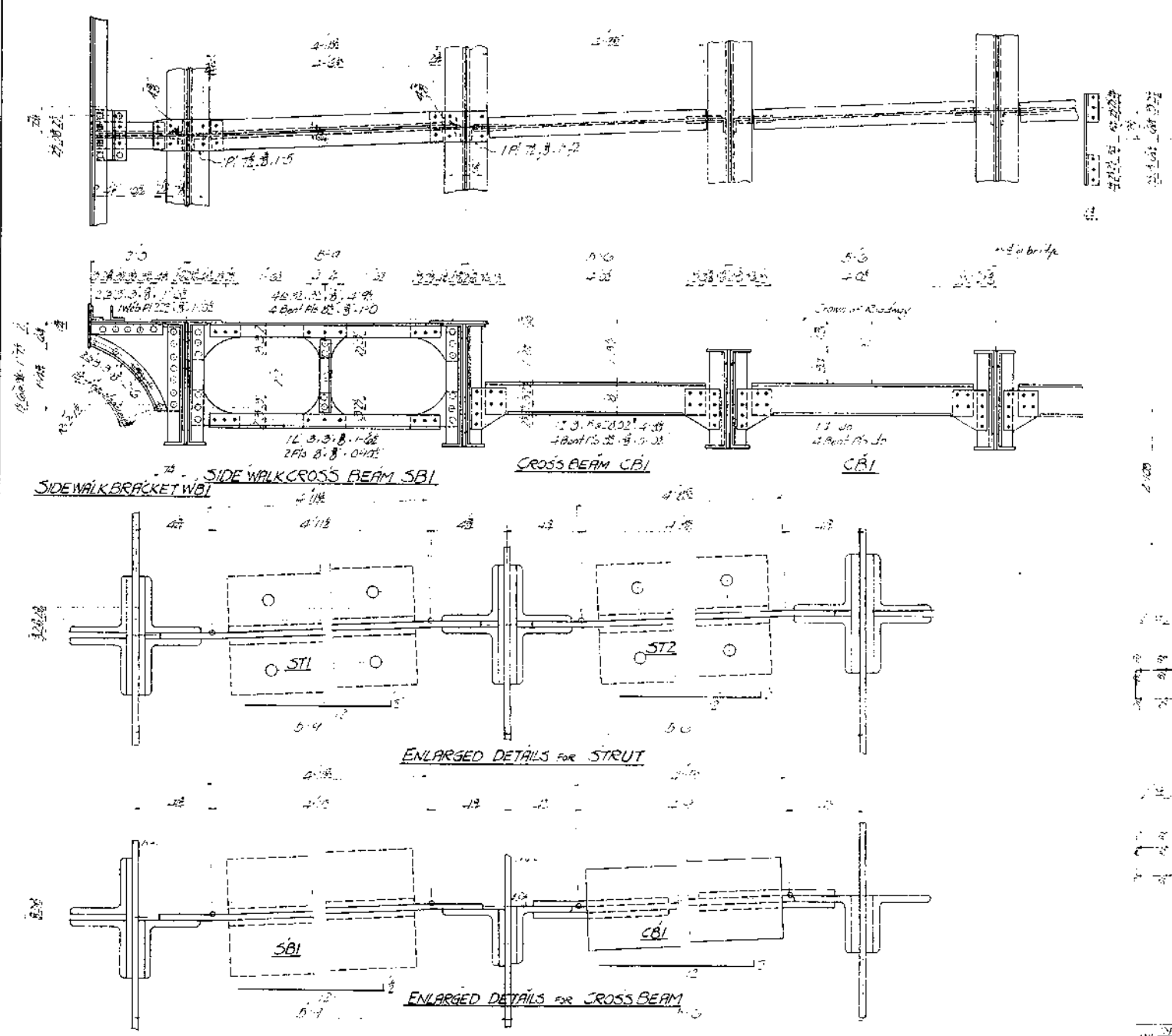


HANDRAIL FOR WING WALL
4 Req'd
Scale: 3/8"=1'-0"

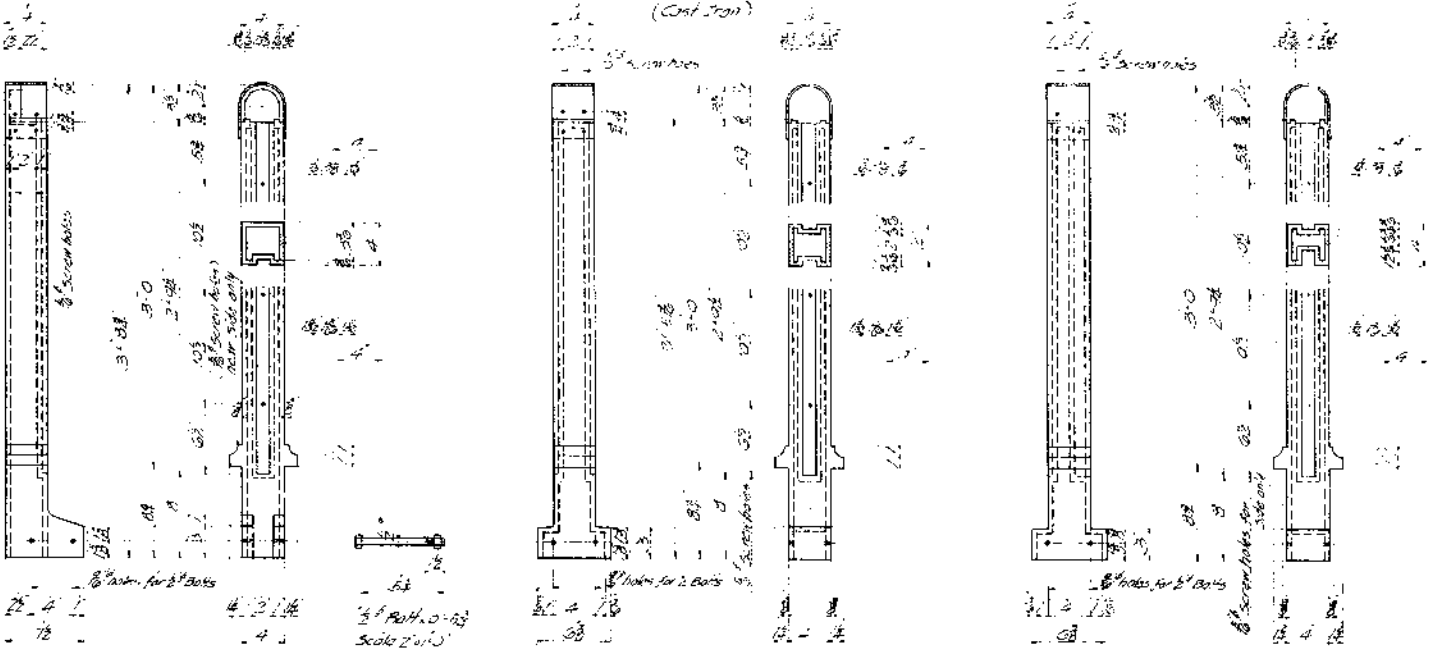
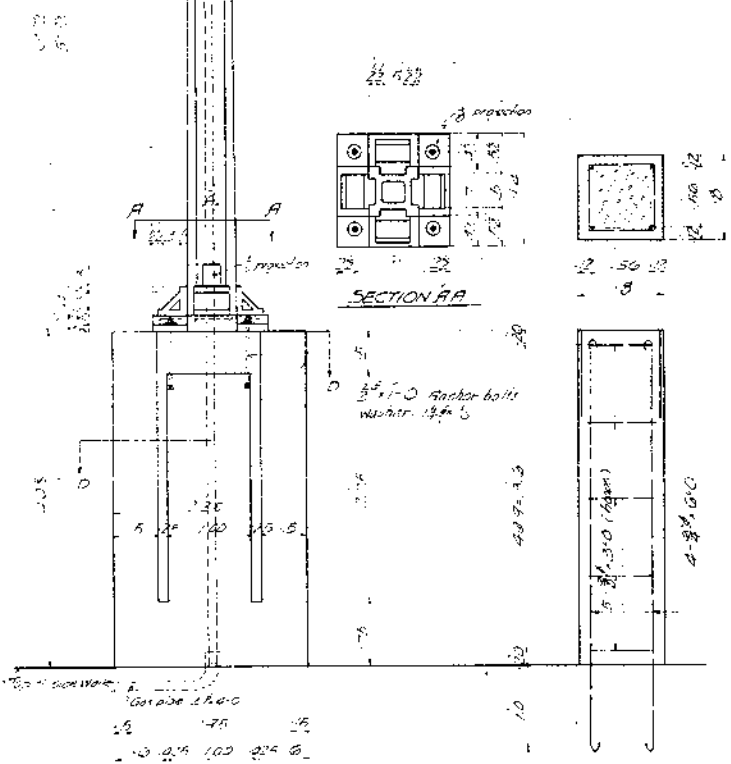
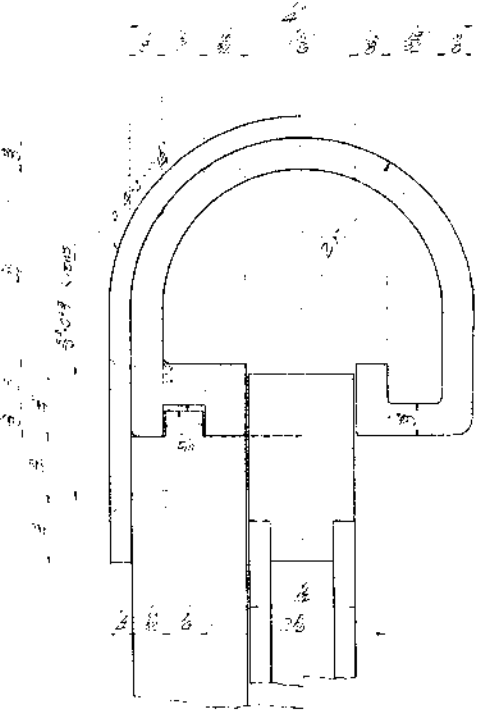
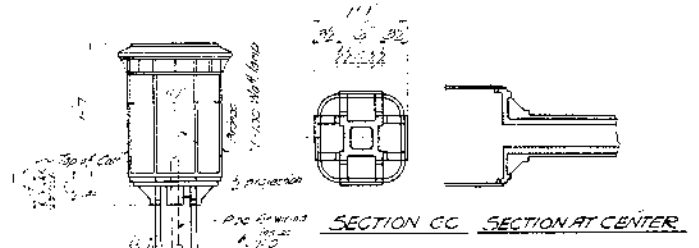
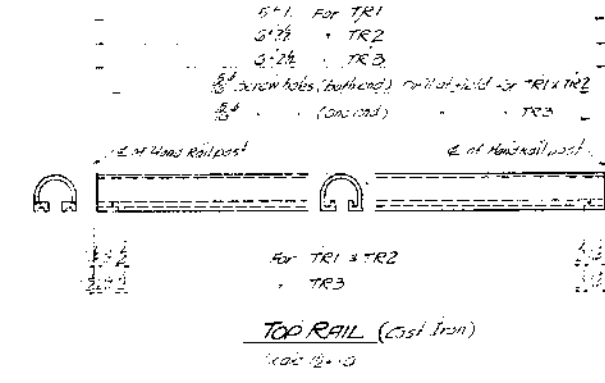
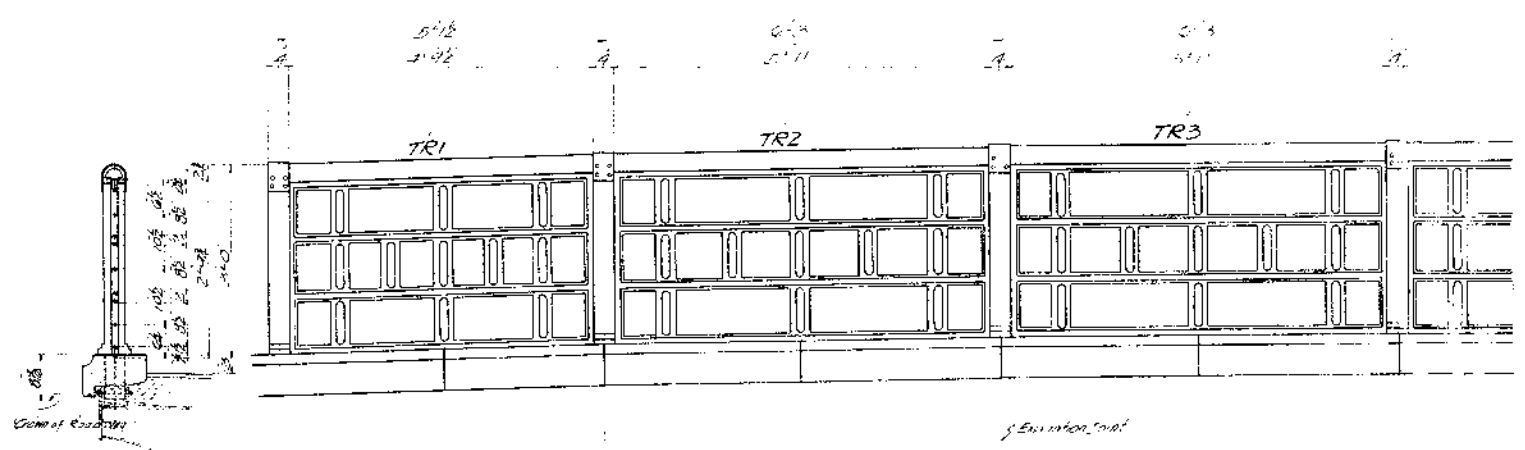


HANDRAIL FOR WING WALL
4 Req'd
Scale: 3/8"=1'-0"

高欄及親柱圖	新
立面-記號	42B
小	27
大	42



Station	0+00	0+10	0+20	0+30	0+40	0+50	0+60	0+70	0+80	0+90	1+00	1+10	1+20	1+30	1+40	1+50	1+60	1+70	1+80	1+90	2+00	2+10	2+20	2+30	2+40	2+50	2+60	2+70	2+80	2+90	3+00	3+10	3+20	3+30	3+40	3+50	3+60	3+70	3+80	3+90	4+00	4+10	4+20	4+30	4+40	4+50	4+60	4+70	4+80	4+90	5+00	5+10	5+20	5+30	5+40	5+50	5+60	5+70	5+80	5+90	6+00	6+10	6+20	6+30	6+40	6+50	6+60	6+70	6+80	6+90	7+00	7+10	7+20	7+30	7+40	7+50	7+60	7+70	7+80	7+90	8+00	8+10	8+20	8+30	8+40	8+50	8+60	8+70	8+80	8+90	9+00	9+10	9+20	9+30	9+40	9+50	9+60	9+70	9+80	9+90	10+00	10+10	10+20	10+30	10+40	10+50	10+60	10+70	10+80	10+90	11+00	11+10	11+20	11+30	11+40	11+50	11+60	11+70	11+80	11+90	12+00	12+10	12+20	12+30	12+40	12+50	12+60	12+70	12+80	12+90	13+00	13+10	13+20	13+30	13+40	13+50	13+60	13+70	13+80	13+90	14+00	14+10	14+20	14+30	14+40	14+50	14+60	14+70	14+80	14+90	15+00	15+10	15+20	15+30	15+40	15+50	15+60	15+70	15+80	15+90	16+00	16+10	16+20	16+30	16+40	16+50	16+60	16+70	16+80	16+90	17+00	17+10	17+20	17+30	17+40	17+50	17+60	17+70	17+80	17+90	18+00	18+10	18+20	18+30	18+40	18+50	18+60	18+70	18+80	18+90	19+00	19+10	19+20	19+30	19+40	19+50	19+60	19+70	19+80	19+90	20+00	20+10	20+20	20+30	20+40	20+50	20+60	20+70	20+80	20+90	21+00	21+10	21+20	21+30	21+40	21+50	21+60	21+70	21+80	21+90	22+00	22+10	22+20	22+30	22+40	22+50	22+60	22+70	22+80	22+90	23+00	23+10	23+20	23+30	23+40	23+50	23+60	23+70	23+80	23+90	24+00	24+10	24+20	24+30	24+40	24+50	24+60	24+70	24+80	24+90	25+00	25+10	25+20	25+30	25+40	25+50	25+60	25+70	25+80	25+90	26+00	26+10	26+20	26+30	26+40	26+50	26+60	26+70	26+80	26+90	27+00	27+10	27+20	27+30	27+40	27+50	27+60	27+70	27+80	27+90	28+00	28+10	28+20	28+30	28+40	28+50	28+60	28+70	28+80	28+90	29+00	29+10	29+20	29+30	29+40	29+50	29+60	29+70	29+80	29+90	30+00	30+10	30+20	30+30	30+40	30+50	30+60	30+70	30+80	30+90	31+00	31+10	31+20	31+30	31+40	31+50	31+60	31+70	31+80	31+90	32+00	32+10	32+20	32+30	32+40	32+50	32+60	32+70	32+80	32+90	33+00	33+10	33+20	33+30	33+40	33+50	33+60	33+70	33+80	33+90	34+00	34+10	34+20	34+30	34+40	34+50	34+60	34+70	34+80	34+90	35+00	35+10	35+20	35+30	35+40	35+50	35+60	35+70	35+80	35+90	36+00	36+10	36+20	36+30	36+40	36+50	36+60	36+70	36+80	36+90	37+00	37+10	37+20	37+30	37+40	37+50	37+60	37+70	37+80	37+90	38+00	38+10	38+20	38+30	38+40	38+50	38+60	38+70	38+80	38+90	39+00	39+10	39+20	39+30	39+40	39+50	39+60	39+70	39+80	39+90	40+00	40+10	40+20	40+30	40+40	40+50	40+60	40+70	40+80	40+90	41+00	41+10	41+20	41+30	41+40	41+50	41+60	41+70	41+80	41+90	42+00	42+10	42+20	42+30	42+40	42+50	42+60	42+70	42+80	42+90	43+00	43+10	43+20	43+30	43+40	43+50	43+60	43+70	43+80	43+90	44+00	44+10	44+20	44+30	44+40	44+50	44+60	44+70	44+80	44+90	45+00	45+10	45+20	45+30	45+40	45+50	45+60	45+70	45+80	45+90	46+00	46+10	46+20	46+30	46+40	46+50	46+60	46+70	46+80	46+90	47+00	47+10	47+20	47+30	47+40	47+50	47+60	47+70	47+80	47+90	48+00	48+10	48+20	48+30	48+40	48+50	48+60	48+70	48+80	48+90	49+00	49+10	49+20	49+30	49+40	49+50	49+60	49+70	49+80	49+90	50+00	50+10	50+20	50+30	50+40	50+50	50+60	50+70	50+80	50+90	51+00	51+10	51+20	51+30	51+40	51+50	51+60	51+70	51+80	51+90	52+00	52+10	52+20	52+30	52+40	52+50	52+60	52+70	52+80	52+90	53+00	53+10	53+20	53+30	53+40	53+50	53+60	53+70	53+80	53+90	54+00	54+10	54+20	54+30	54+40	54+50	54+60	54+70	54+80	54+90	55+00	55+10	55+20	55+30	55+40	55+50	55+60	55+70	55+80	55+90	56+00	56+10	56+20	56+30	56+40	56+50	56+60	56+70	56+80	56+90	57+00	57+10	57+20	57+30	57+40	57+50	57+60	57+70	57+80	57+90	58+00	58+10	58+20	58+30	58+40	58+50	58+60	58+70	58+80	58+90	59+00	59+10	59+20	59+30	59+40	59+50	59+60	59+70	59+80	59+90	60+00	60+10	60+20	60+30	60+40	60+50	60+60	60+70	60+80	60+90	61+00	61+10	61+20	61+30	61+40	61+50	61+60	61+70	61+80	61+90	62+00	62+10	62+20	62+30	62+40	62+50	62+60	62+70	62+80	62+90	63+00	63+10	63+20	63+30	63+40	63+50	63+60	63+70	63+80	63+90	64+00	64+10	64+20	64+30	64+40	64+50	64+60	64+70	64+80	64+90	65+00	65+10	65+20	65+30	65+40	65+50	65+60	65+70	65+80	65+90	66+00	66+10	66+20	66+30	66+40	66+50	66+60	66+70	66+80	66+90	67+00	67+10	67+20	67+30	67+40	67+50	67+60	67+70	67+80	67+90	68+00	68+10	68+20	68+30	68+40	68+50	68+60	68+70	68+80	68+90	69+00	69+10	69+20	69+30	69+40	69+50	69+60	69+70	69+80	69+90	70+00	70+10	70+20	70+30	70+40	70+50	70+60	70+70	70+80	70+90	71+00	71+10	71+20	71+30	71+40	71+50	71+60	71+70	71+80	71+90	72+00	72+10	72+20	72+30	72+40	72+50	72+60	72+70	72+80	72+90	73+00	73+10	73+20	73+30	73+40	73+50	73+60	73+70	73+80	73+90	74+00	74+10	74+20	74+30	74+40	74+50	74+60	74+70	74+80	74+90	75+00	75+10	75+20	75+30	75+40	75+50	75+60	75+70	75+80	75+90	76+00	76+10	76+20	76+30	76+40	76+50	76+60	76+70	76+80	76+90	77+00	77+10	77+20	77+30	77+40	77+50	77+60	77+70	77+80	77+90	78+00	78+10	78+20	78+30	78+40	78+50	78+60	78+70	78+80	78+90	79+00	79+10	79+20	79+30	79+40	79+50	79+60	79+70	79+80	79+90	80+00	80+10	80+20	80+30	80+40	80+50	80+60	80+70	80+80	80+90	81+00	81+10	81+20	81+30	81+40	81+50	81+60	81+70	81+80	81+90	82+00	82+10	82+20	82+30	82+40	82+50	82+60	82+70	82+80	82+90	83+00	83+10	83+20	83+30	83+40	83+50	83+60	83+70	83+80	83+90	84+00	84+10	84+20	84+30	84+40	84+50	84+60	84+70	84+8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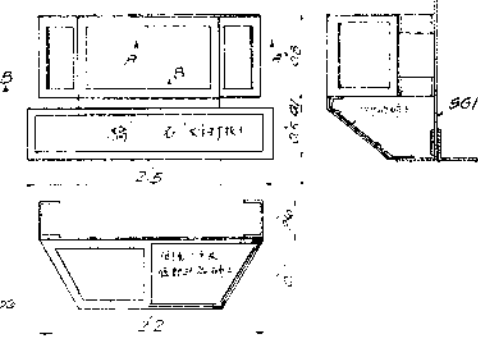
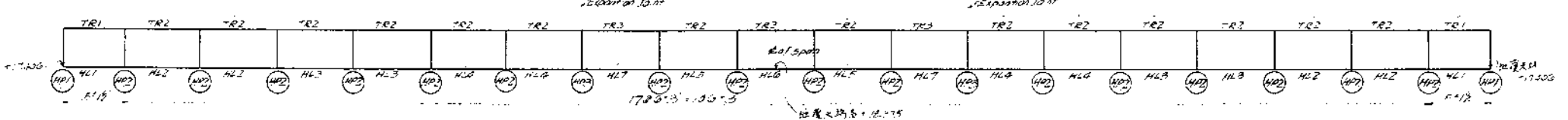


REQUIRED		
4	HANDRAILS	HL1
8		HL2
8		HL3
8		HL4
4		HL5
2		HL6
4		HL7
4	TOP RAILS	TR1
32		TR2
4		TR3
4	HANDRAIL POST	HP1
32		HP2
4		HP3

HANDRAIL POST HP1 (Cast Iron)
Scale 1/2" = 1'-0"

HANDRAIL POST HP2 (Cast Iron)
Scale 1/2" = 1'-0"

HANDRAIL POST HP3 (Cast Iron)
Scale 1/2" = 1'-0"

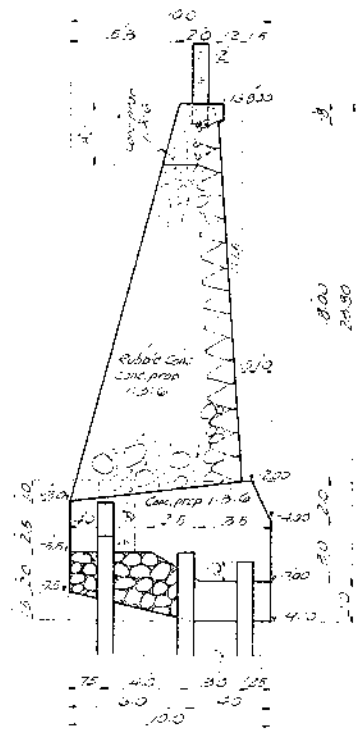


REQUIRED	
4	LAMP POSTS
2	Handrail post base
2	Handrail post cap

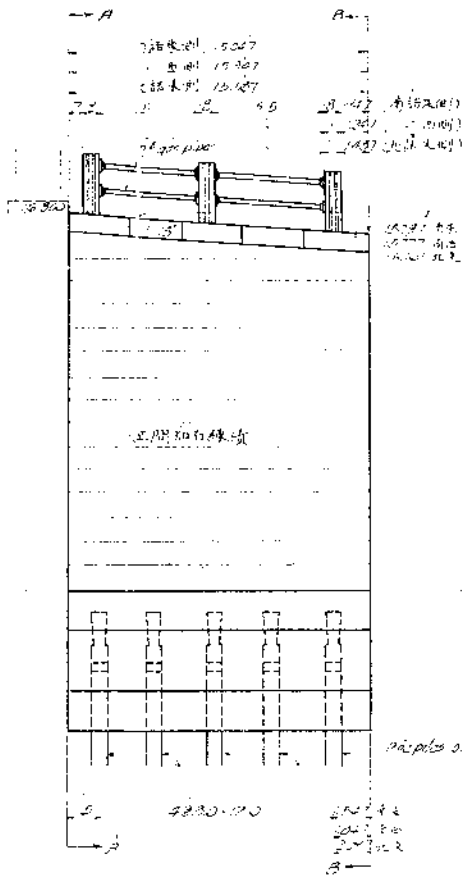
REINFORCING FOR LIGHT PEDESTALS	
4 bars 2" x 2" x 1" x 1" - 1/2"	
5 - 3" x 3" x 1" x 1" - 5"	
Total	42"

親柱及手招圖
親柱 二寸
手招 八分
隨圖設計
板 不 增
項 四 島 田
108

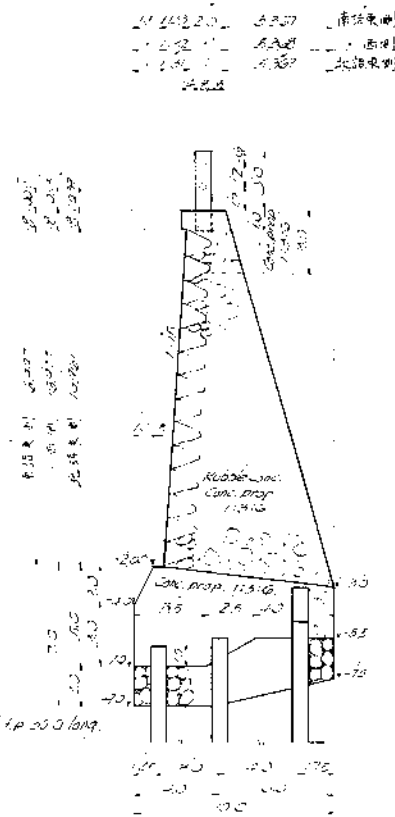
断面 A-A



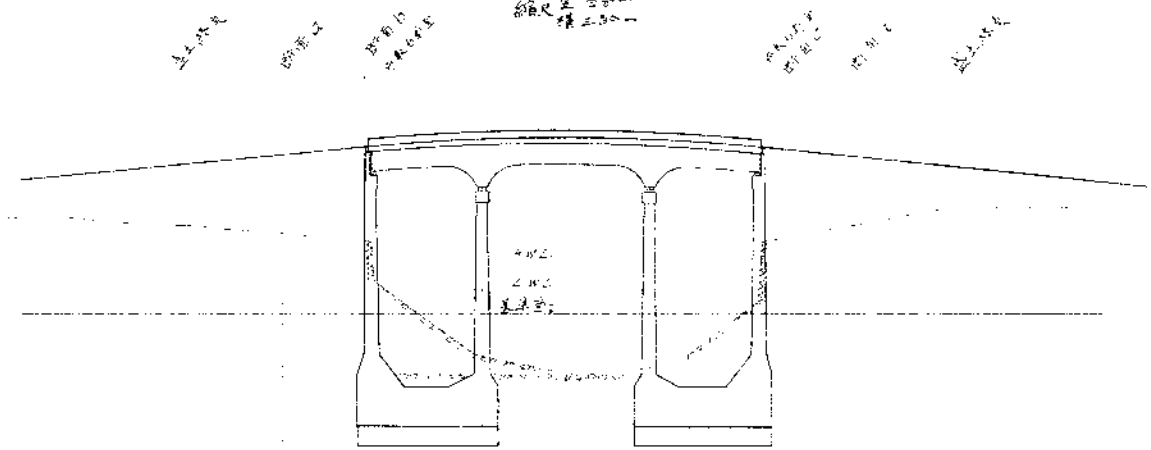
正面圖



断面 B-B

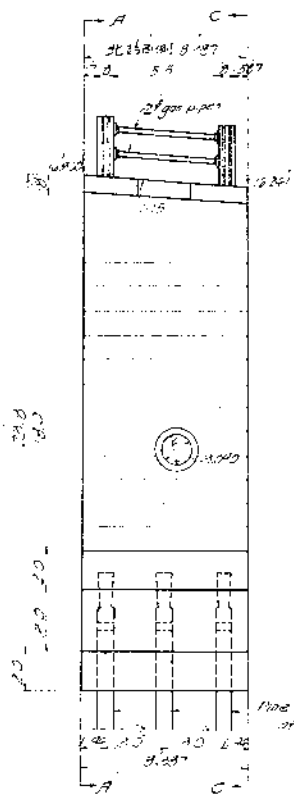


縱断面圖

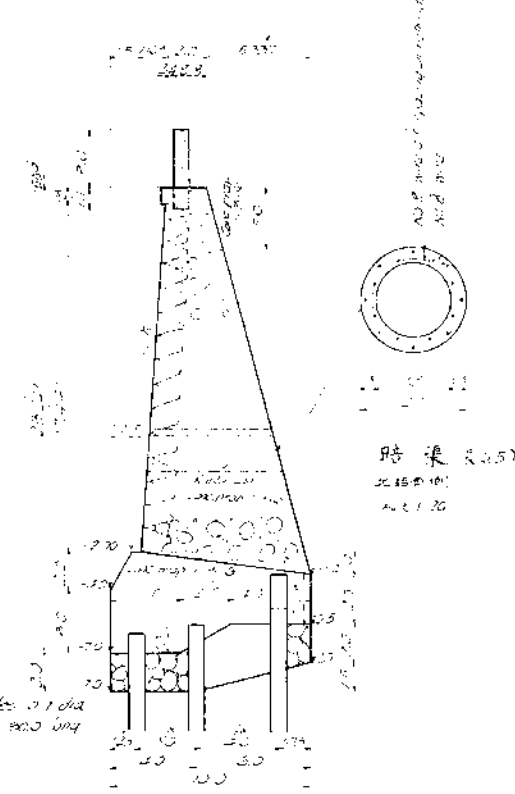


里程	1+000	1+050	1+100	1+150	1+200	1+250	1+300	1+350	1+400	1+450	1+500	1+550	1+600	1+650	1+700	1+750	1+800	1+850	1+900	1+950	2+000
橋面寬度	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
橋面高度	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30

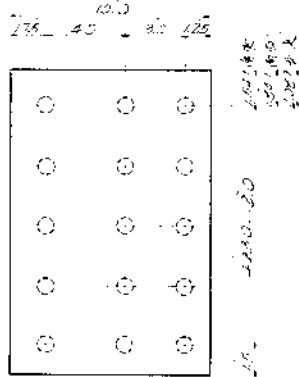
正面圖



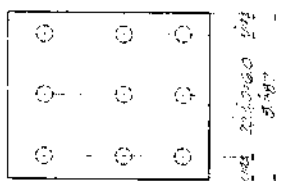
断面 C-C



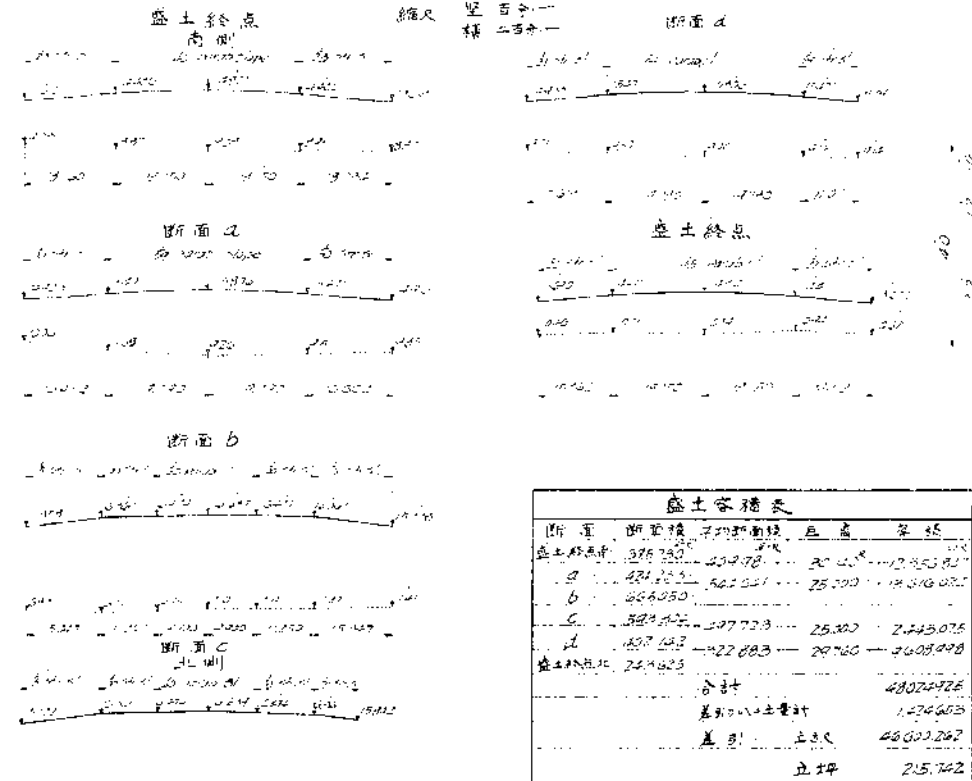
桩打基礎圖



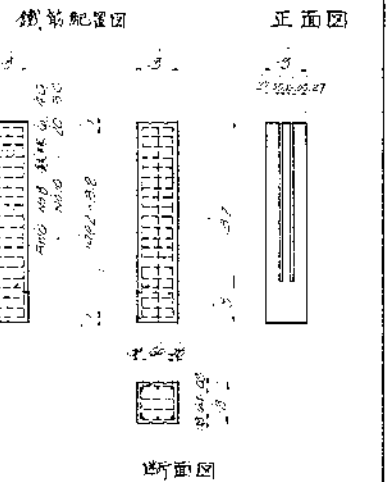
桩打基礎圖



橫断面圖



人止柵束柱之圖



断面圖

断面	断面寬度	断面高度	断面長度	断面面積
橋面寬度	10.0	20.30	10.0	203.00
橋面高度	20.30	20.30	20.30	8121.90
橋面長度	10.0	20.30	20.30	4061.95
橋面面積	10.0	20.30	20.30	4061.95
橋面體積	10.0	20.30	20.30	16455.80
橋面重量	10.0	20.30	20.30	16455.80
橋面材料	10.0	20.30	20.30	16455.80
橋面施工	10.0	20.30	20.30	16455.80
橋面驗收	10.0	20.30	20.30	16455.80
橋面總結	10.0	20.30	20.30	16455.80

明圖
川並發岸及土留工
五拾分之七
新架橋
108A
1213
108

鋼橋図面の史料性に関する調査研究部会 報告書-Ⅱ (No.067-Ⅱ)

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