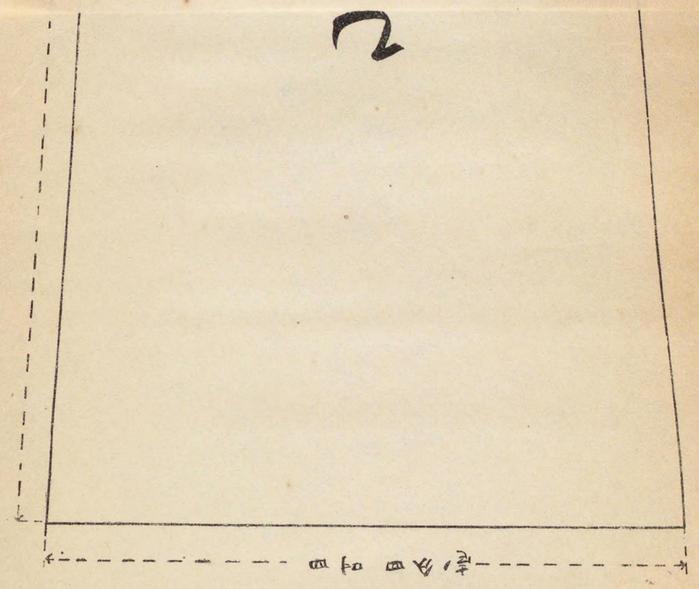
（七）號六二第圖

（形實）圖形錐石灰燒形異用レンキヲ高二呎四十徑最形圓楕小

中

圖第六二第號（七）

圖例第　十二號ヲ以テ用異ナル古墳出土品ヲ表ス

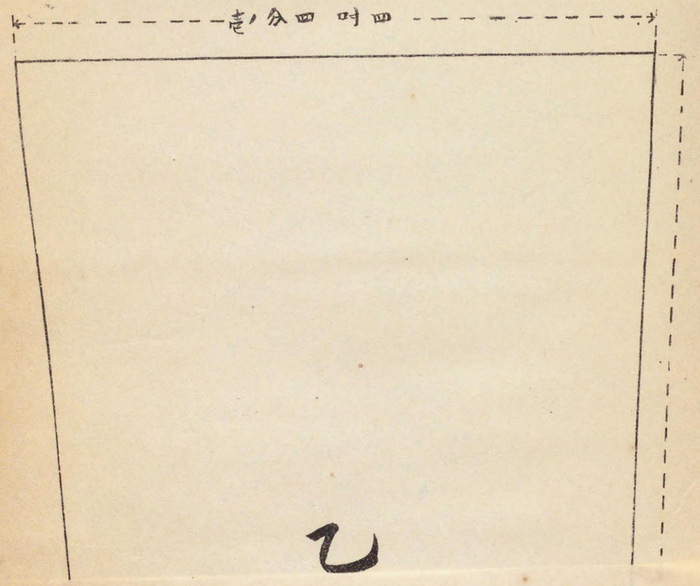


(八) 號六二第圖

(形實)圖形雛石瓦煉形異用レンヂ呎四呎四十徑鼻徑短圓形圓椿小

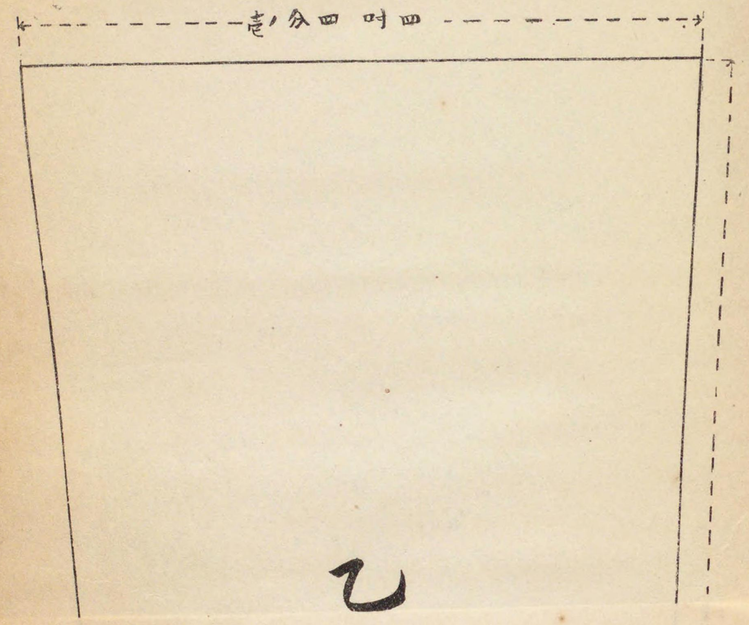
圖第二六號 (八)

小楕圓形 長徑十四呎四吋 短徑八呎 「ウエル」用異形煉瓦石雛形圖(實形)



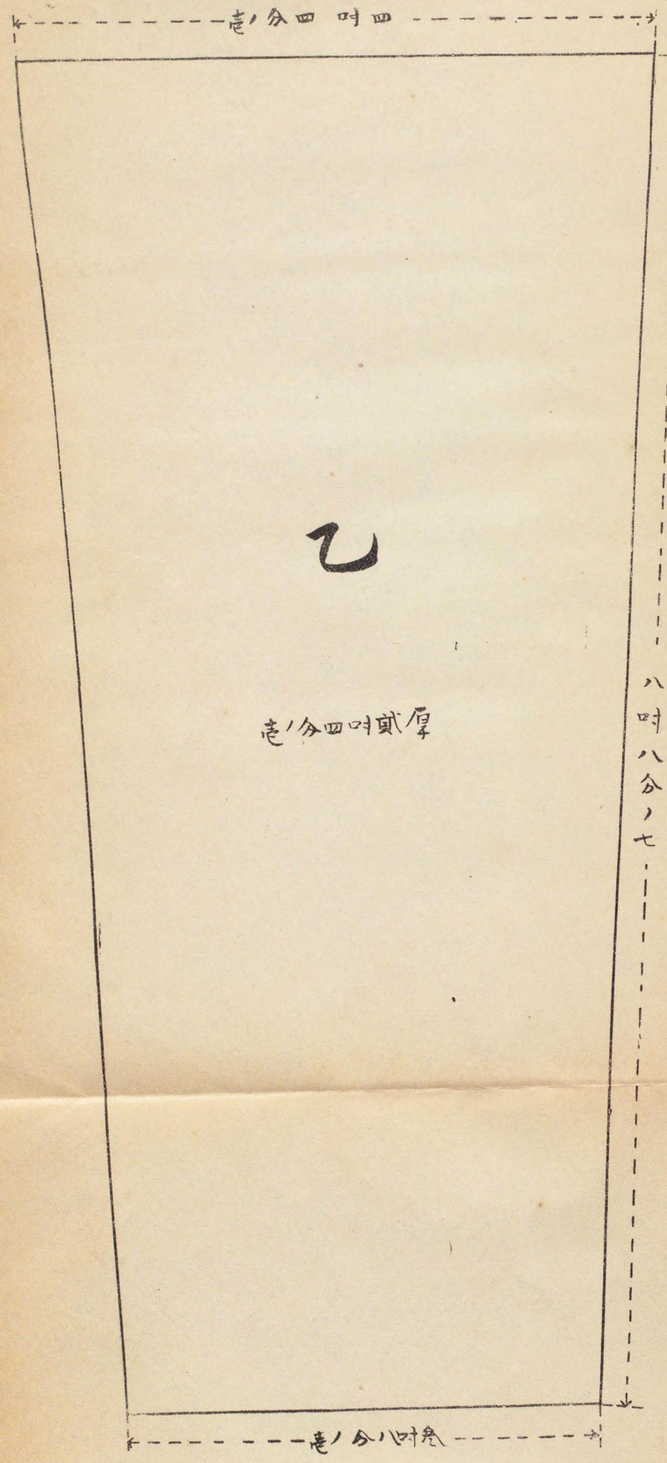
圖第二六號（八）

小楕圓形 長徑十四呎四吋 短徑八呎 「ウエル」用異形煉瓦石雛形圖（實形）



圖第二六號（八）

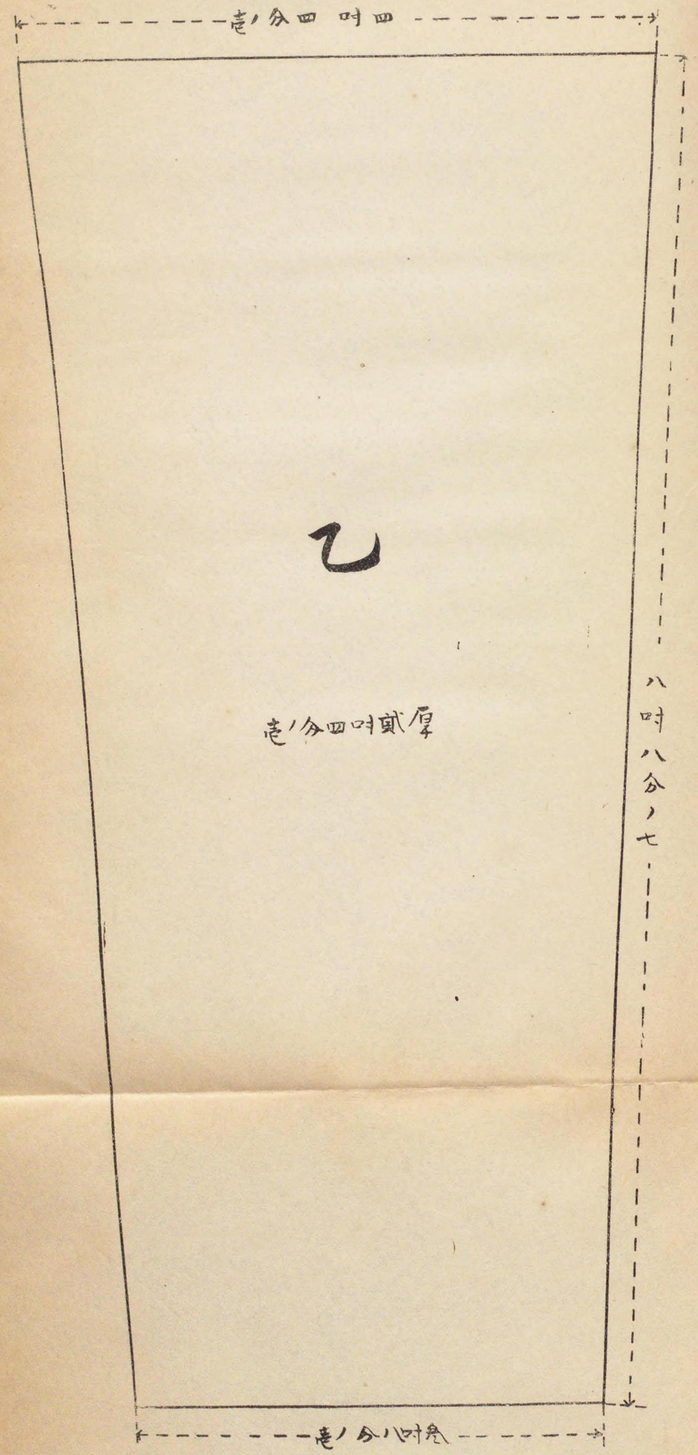
小楕圓形 長徑十四呎四吋 短徑八呎 「ウエル」用異形煉瓦石雛形圖（實形）



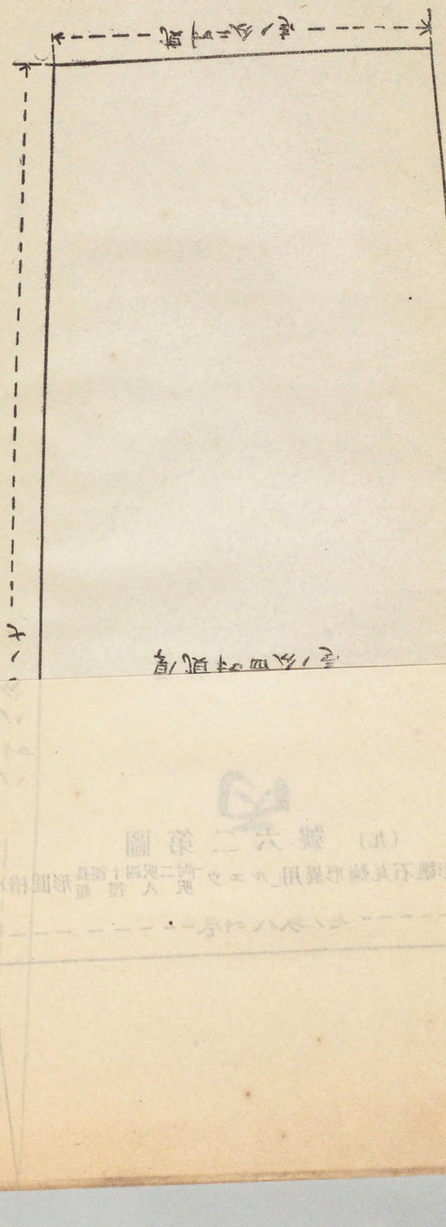
圖第二六號（八）

圖第二六號（八）

小楕圓形 長徑十四呎四吋 短徑八呎 「ウエル」用異形煉瓦石雛形圖（實形）



圖第二六號（八）



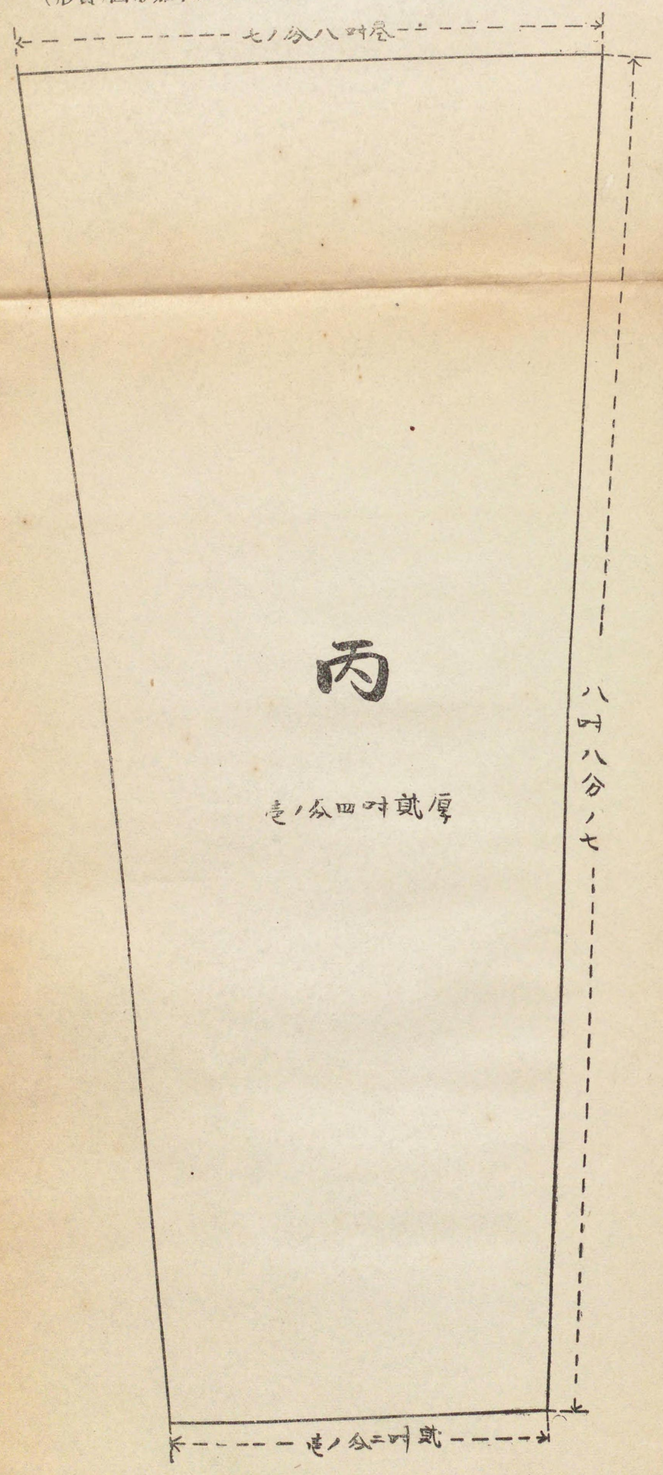
圖第三六號(六)

圖第二十六（六）

圖第二六號(九)

圖第二六號（九）

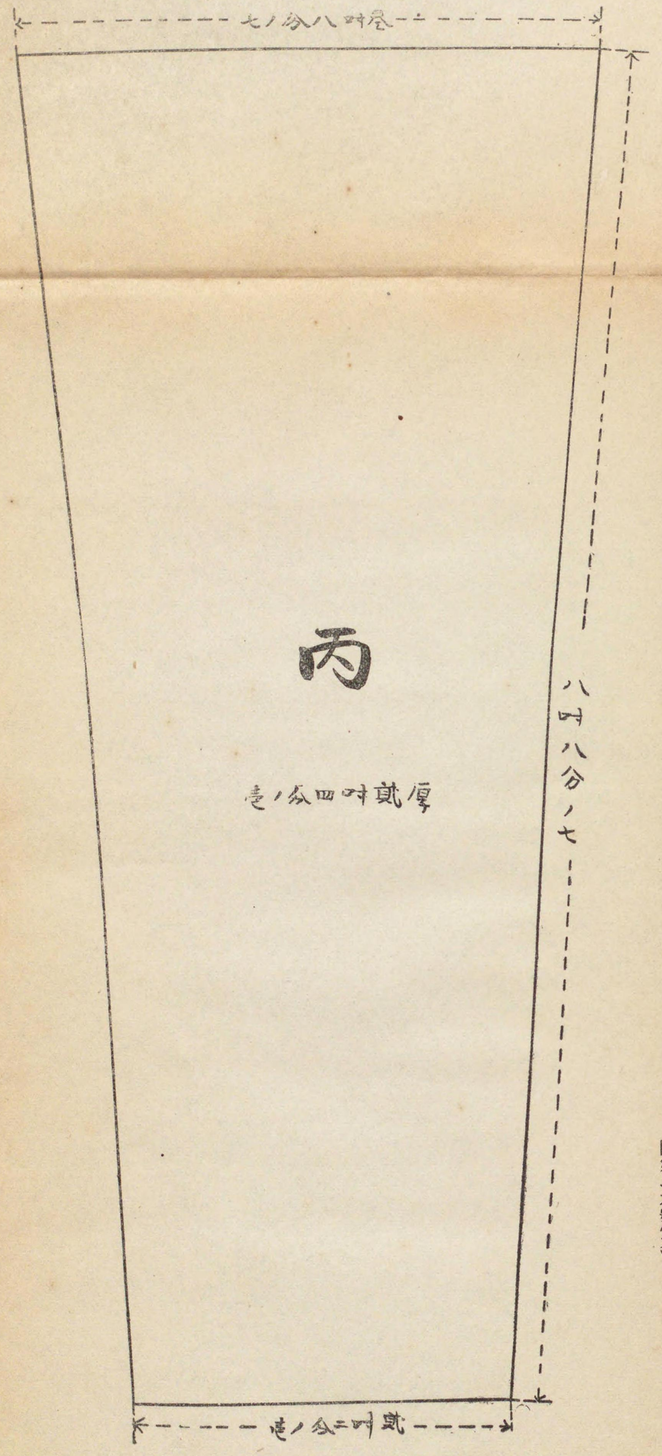
小楕圓形長徑十四呎二吋短徑八呎「ウエル」用異形煉瓦石雛形圖（實形）



圖第二六號（九）

圖第二六號（九）

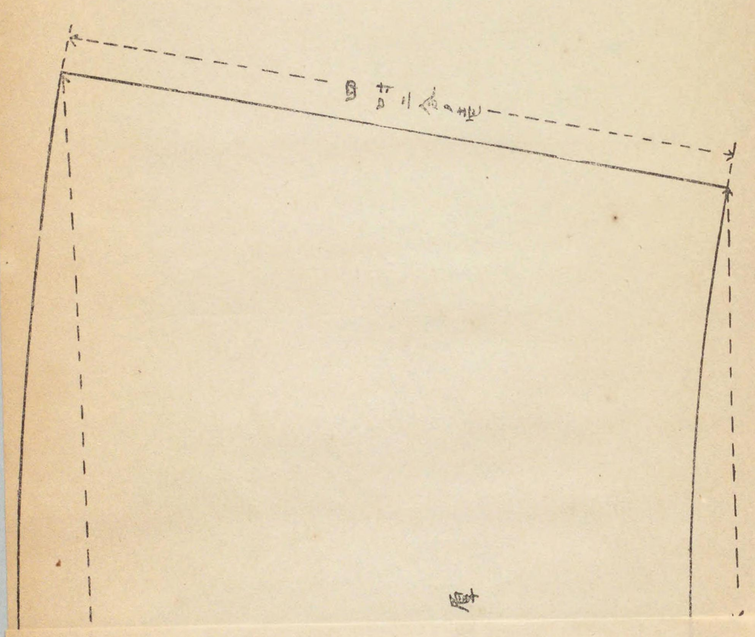
小楕圓形 長徑十四呎二吋 短徑八呎 「ウエル」用異形煉瓦石雛形圖（實形）



圖第二六號（九）

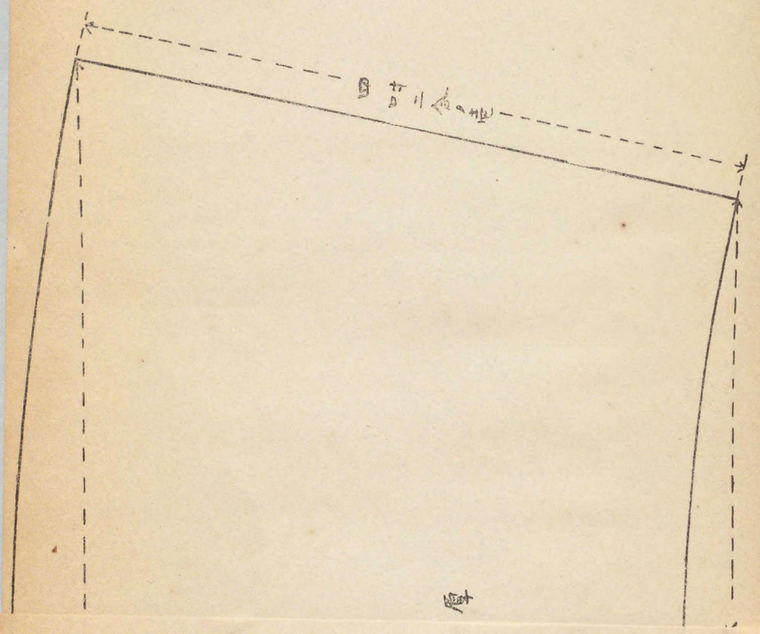
圖第二六號 (一〇)

小楕圓形 長徑十四呎二吋 短徑八呎 「ウエル」用異形煉瓦石雛形圖(實形)



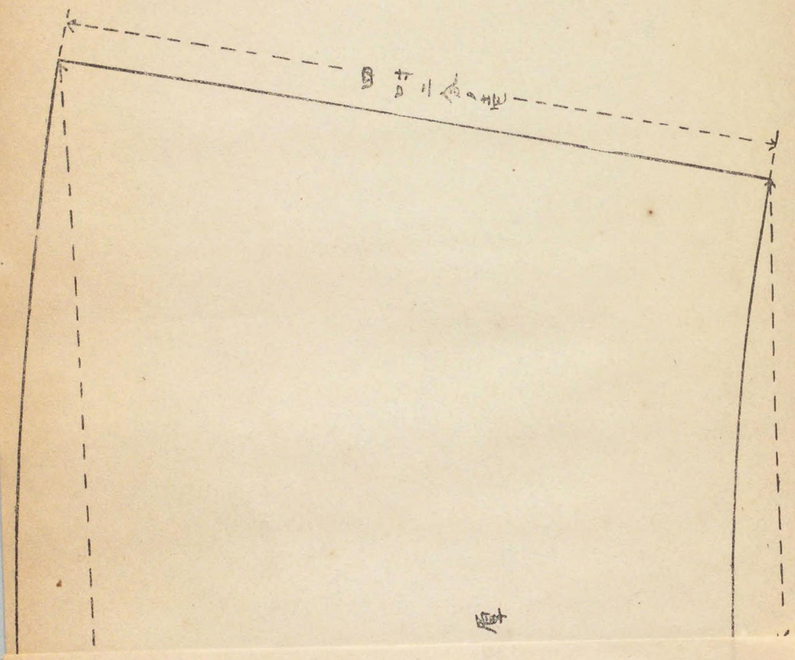
圖第二六號 (一〇)

小楕圓形 長徑十四呎二吋 短徑八呎 「ウエル」用異形煉瓦石雛形圖(實形)



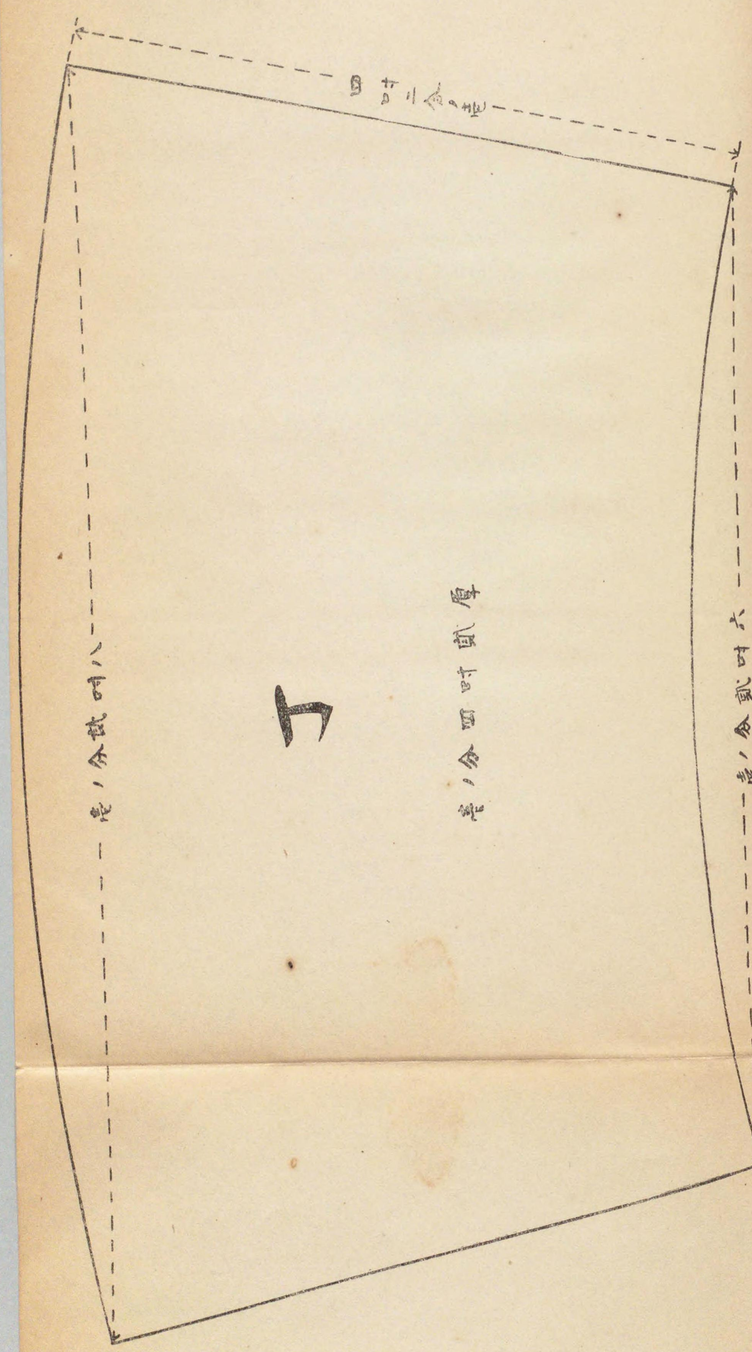
圖第二六號 (一〇)

小楕圓形 長徑十四呎二吋 短徑八呎 「ウエル」用異形煉瓦石雛形圖(實形)

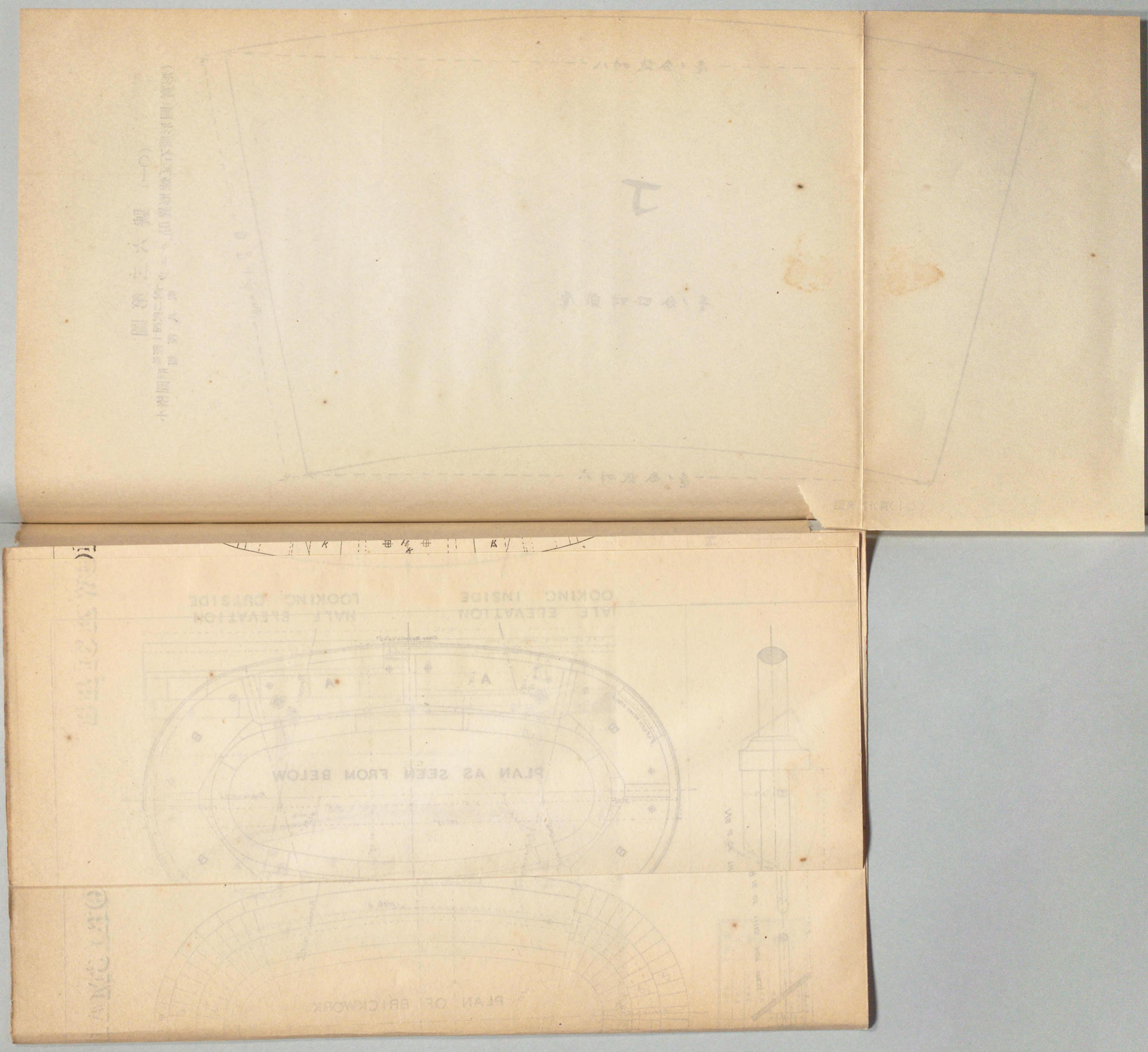


圖第二六號（一〇）

小楕圓形 長徑十四呎二吋 短徑八呎 「ウエル」用異形煉瓦石雛形圖（實形）



圖第二六號（一〇）



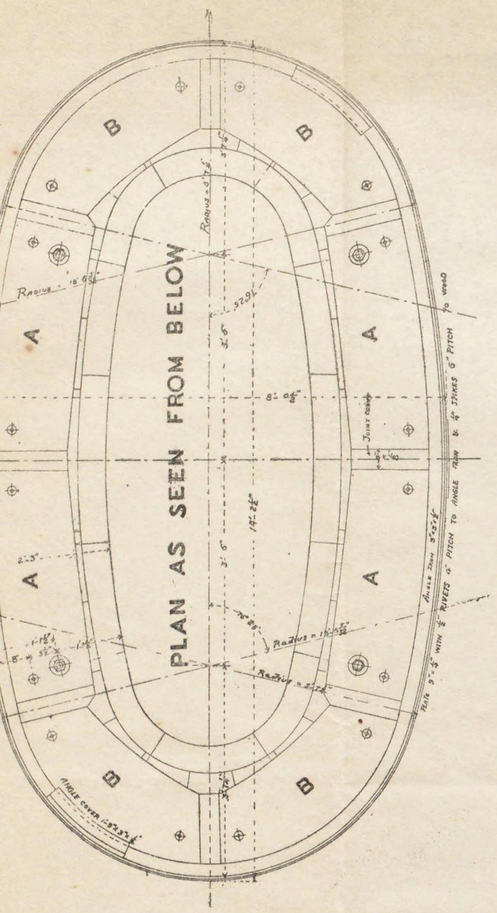
PLAN OF BRICKWORK

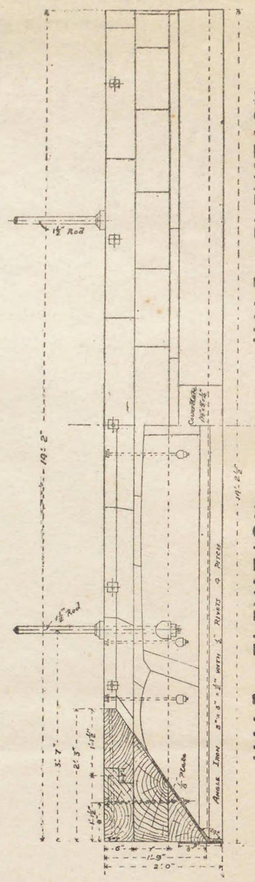
PLAN AS SEEN FROM BELOW

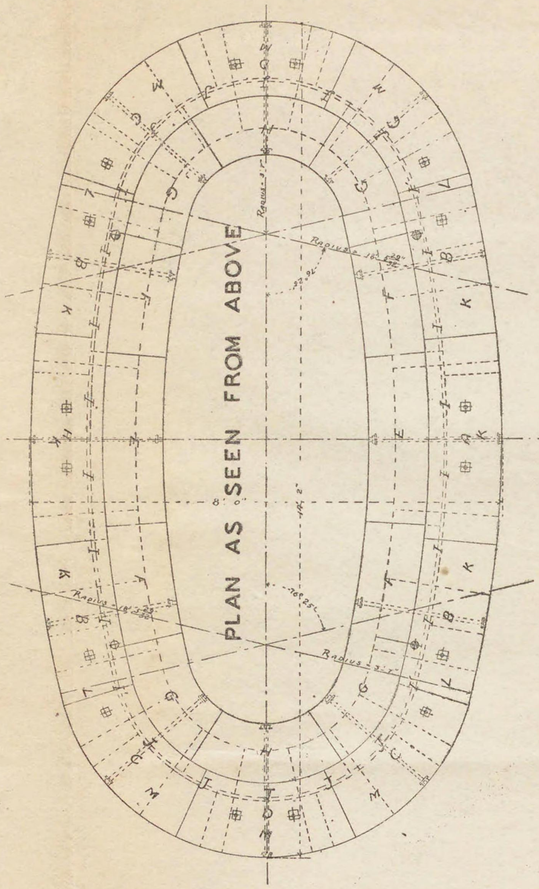
HALF ELEVATION LOOKING OUTSIDE

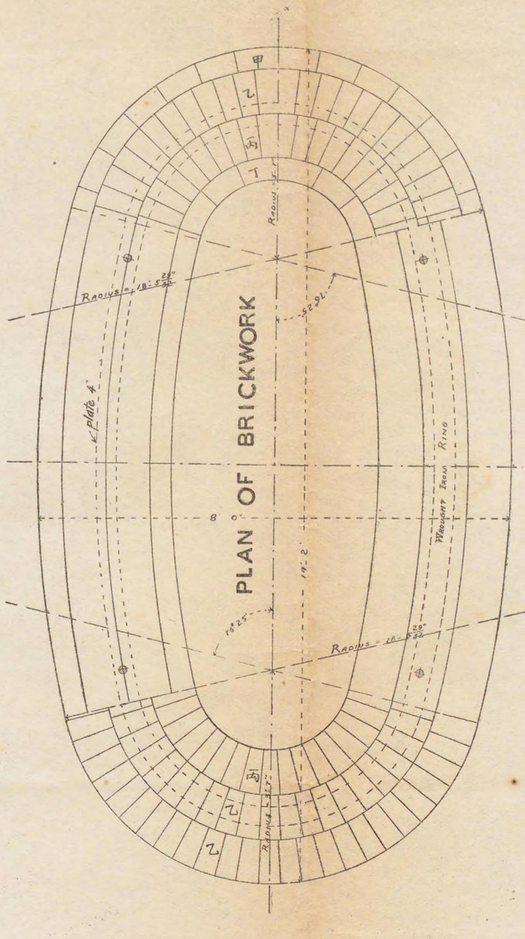
HALF ELEVATION LOOKING INSIDE

BRICKWORK & CURB SHOE FOR SMALL ELLIPTICAL WELL

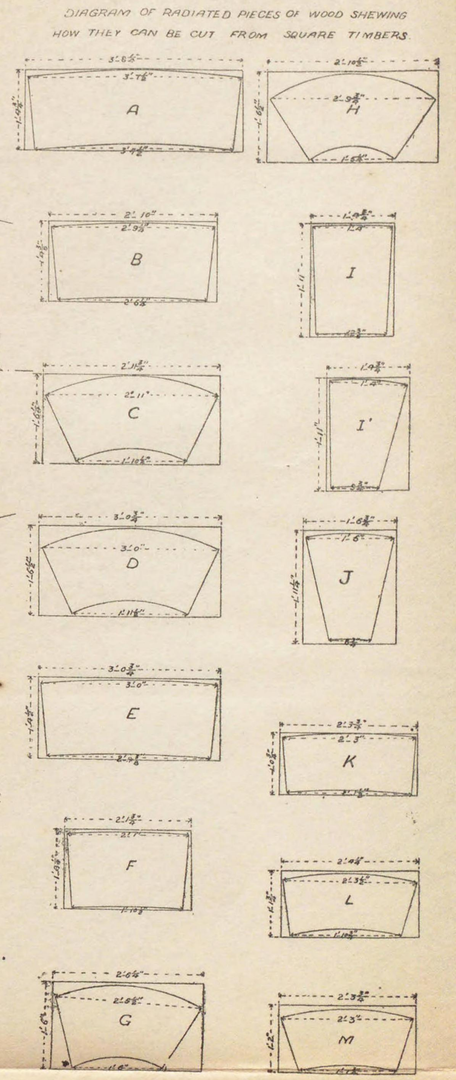


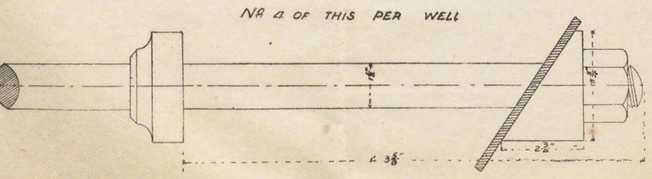


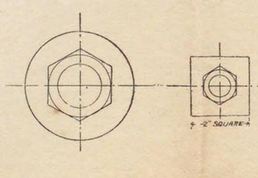


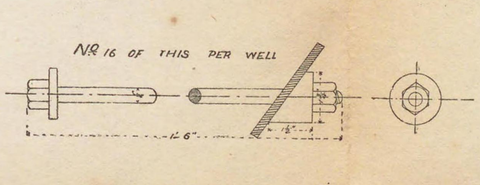


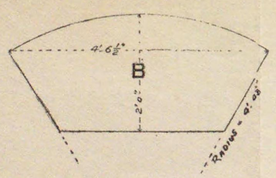
HALF SIZE

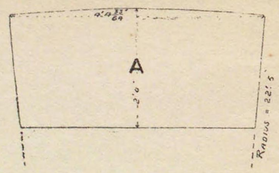












SCHEDULE OF TIMBERS FOR ONE WELL

No	MARKS PLAN	GROSS DIMENSION LENGTH	WIDTH	THICKNESS
		TOP ROW		
2	A	3'-8⅝"	1'-0½"	6¼"
8	B	2'-10"	1'-0½"	6¼"
8	C	2'-11⅝"	1'-0½"	6¼"
2	D	3'-0⅜"	1'-0½"	6¼"
2	E	3'-0⅜"	1'-0½"	6¼"
8	F	2'-1⅜"	1'-0½"	6¼"
8	G	2'-6⅝"	1'-6"	6¼"
2	H	2'-10⅜"	1'-6⅜"	6¼"
		MIDDLE ROW		
12	I	1'-0½"	1'-11"	7⅛"
8	I'	1'-0½"	1'-11"	7⅛"
10	J	1'-6⅝"	1'-11⅝"	7¼"
		BOTTOM ROW		
6	K	2'-3⅜"	1'-0½"	8½"
8	L	2'-0½"	1'-1½"	8½"
6	M	2'-3⅜"	1'-2"	8½"

BRICKS	NET NUMBERS FOR 1 FOOT DEEP OF ONE WELL	GROSS NUMBERS INCLUDING ALLOWANCE FOR WASTE
甲	62	70
乙	326	360
丙	168	185
丁	29	32
並形	640	705

SCALE ONE INCHE TO ONE FOOT

INCHES 12 6 0 1 2 3 4 5 FOOT

圖第二七號

ウエル「使用小楕圓形煉瓦配置竝「カーブシユウ」圖面

明治三十年一月鐵工第一〇九號

圖第二七號

BRICKWORK & CURB SHOE FOR SMALL ELLIPTICAL WELL

PLAN AS SEEN FROM BELOW

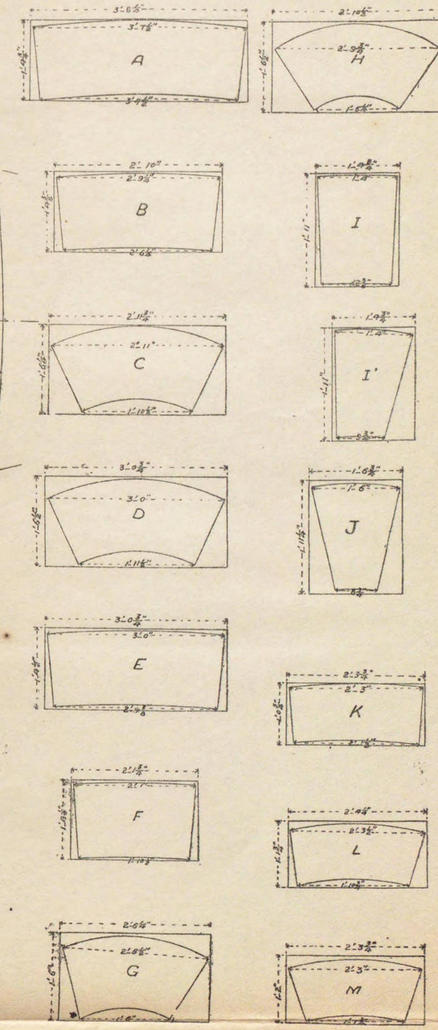
HALF ELEVATION LOOKING OUTSIDE

HALF ELEVATION LOOKING INSIDE

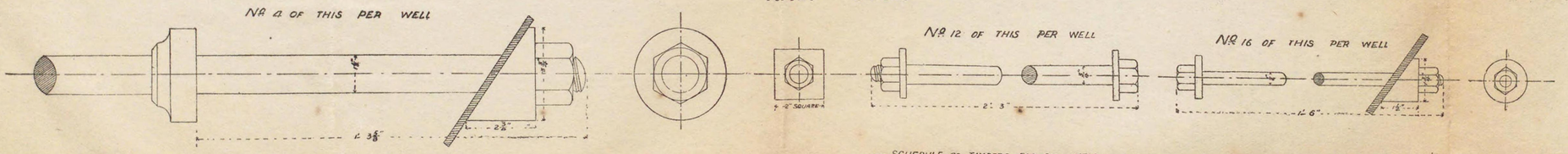
PLAN AS SEEN FROM ABOVE

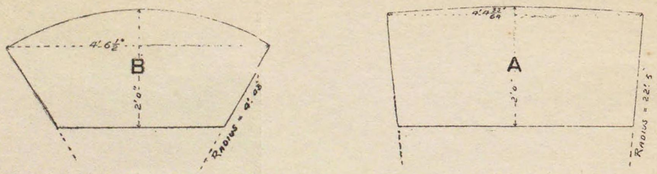
PLAN OF BRICKWORK

DIAGRAM OF RADIATED PIECES OF WOOD SHEWING HOW THEY CAN BE CUT FROM SQUARE TIMBERS.



HALF SIZE





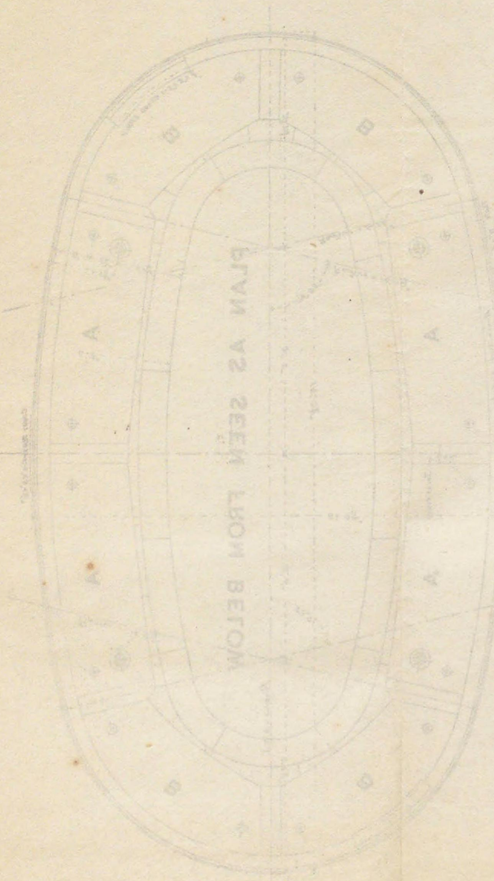
SCHEDULE OF TIMBERS FOR ONE WELL

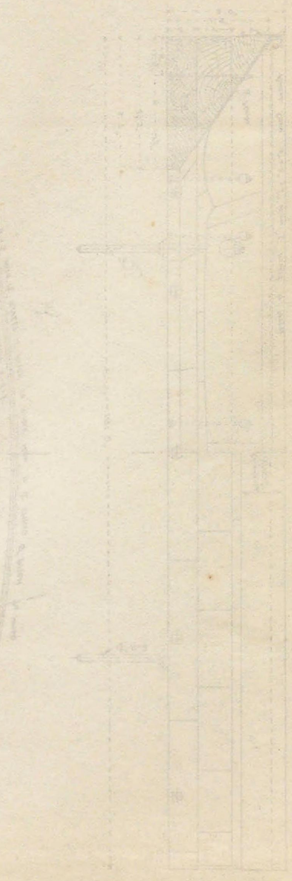
No	MARKS ON PLAN	GROSS DIMENSION LENGTH	WIDTH	THICKNESS
		TOP ROW		
2	A	3'-8½"	1'-4½"	6½"
4	B	2'-10"	1'-4½"	6½"
4	C	2'-11½"	1'-6½"	6½"
2	D	3'-0½"	1'-6½"	6½"
2	E	3'-0½"	1'-4½"	6½"
4	F	2'-1½"	1'-4½"	6½"
4	G	2'-6½"	1'-6"	6½"
2	H	2'-10½"	1'-6½"	6½"
		MIDDLE ROW		
12	I	1'-0½"	1'-1"	1½"
4	I'	1'-0½"	1'-11"	7½"
10	J	1'-6½"	1'-11½"	7½"
		BOTTOM ROW		
6	K	2'-3½"	1'-0½"	8½"
4	L	2'-4½"	1'-1½"	8½"
6	M	2'-3½"	1'-2"	8½"

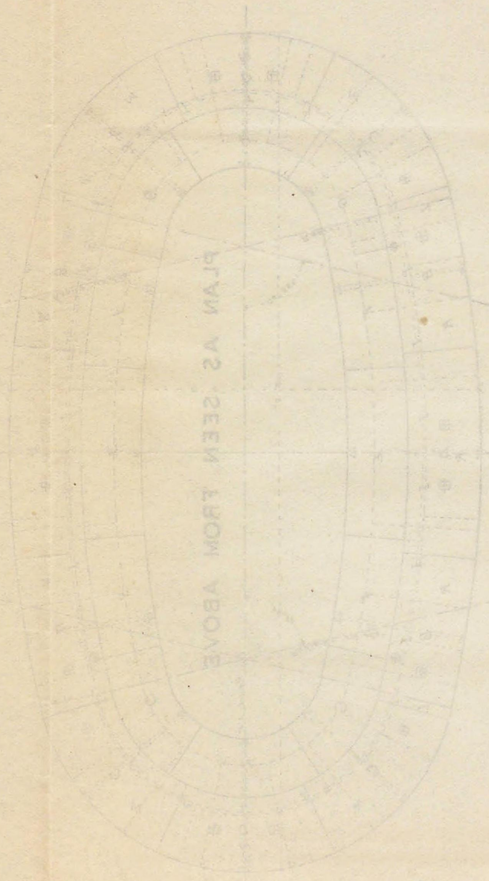
BRICKS	NET NUMBERS FOR 1 FOOT DEEP OF ONE WELL	GROSS NUMBERS INCLUDING ALLOWANCE FOR WASTE
甲	62	70
乙	326	360
丙	168	185
丁	29	32
並形	640	705

SCALE ONE INCHE TO ONE FOOT

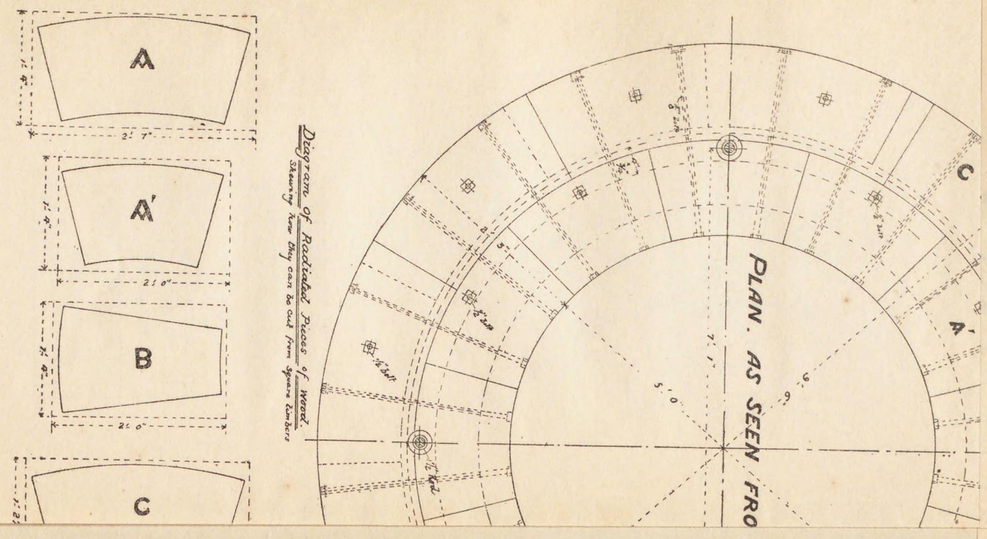
HALF SIZE


PLAN AS SEEN FROM BELOW

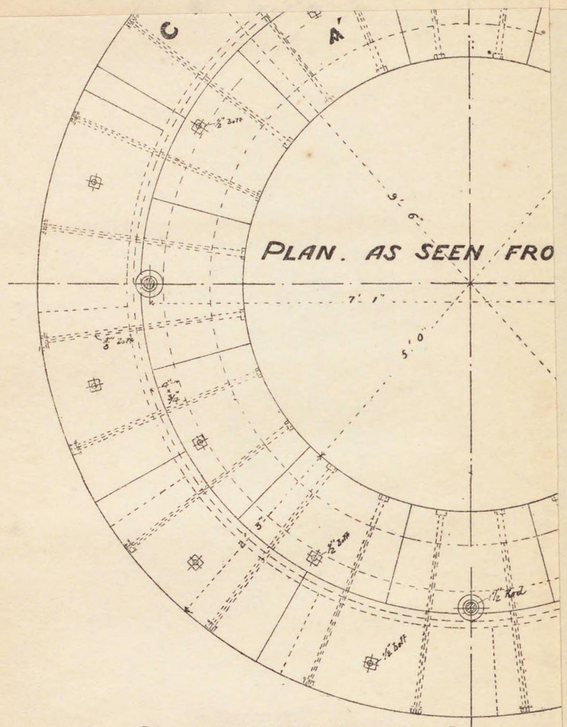

LOOKING OUTSIDE
HALF ELEVATION


PLAN AS SEEN FROM ABOVE

PLAN OF BRICKWORK


A
A'
B
C
PLAN. AS SEEN FRO
Diagram of Radiated Pieces of wood.
Showing how they can be cut from square timbers

圖第二八號(一)

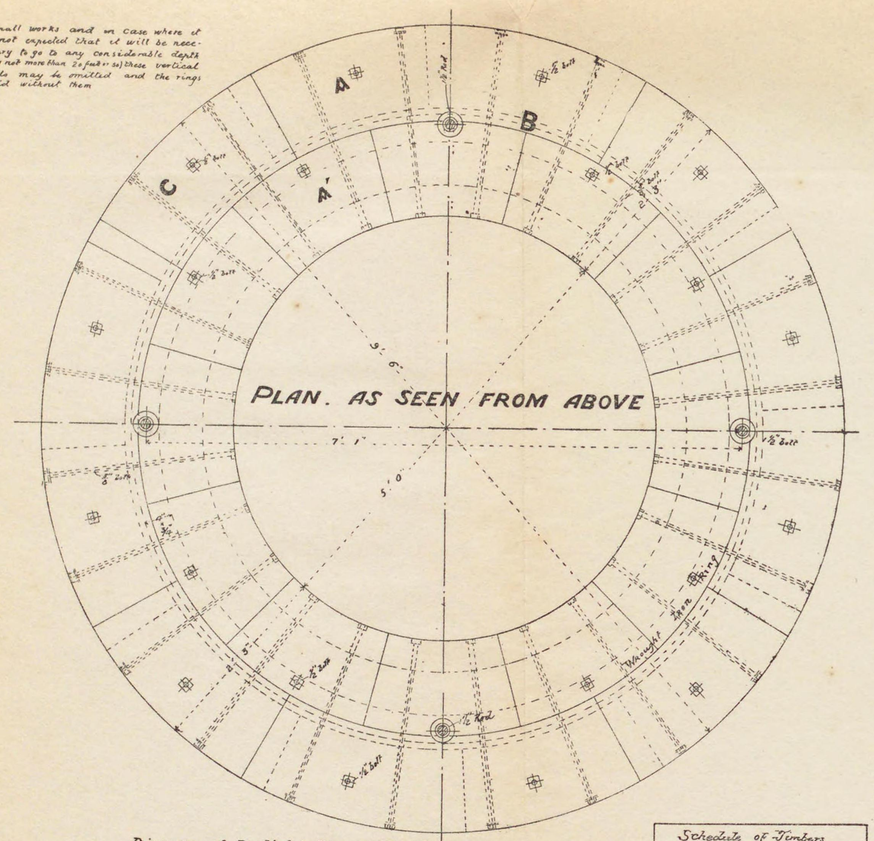

C
A'
PLAN. AS SEEN FRO
9'-6"
7'-1"
5'-0"
3"x2½"
3"x2½"
3"x2½

PLAN OF BRICKWORK FOR 9 FEET WELL

圖第二八號（一）「ウエル」使用圓徑九呎及十二呎煉瓦配置圖

明治三十年四月二十二日鐵工第七五五號

* In Small works and in case where it is not expected that it will be necessary to go to any considerable depth (say not more than 25 feet) three vertical rods may be omitted and the rings laid without them



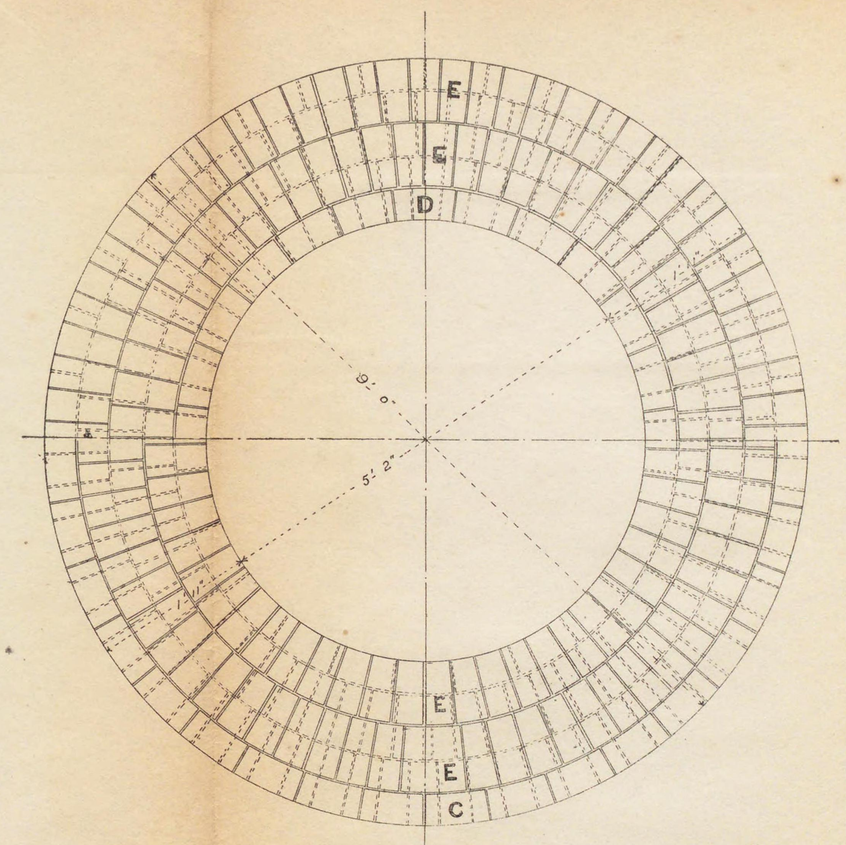
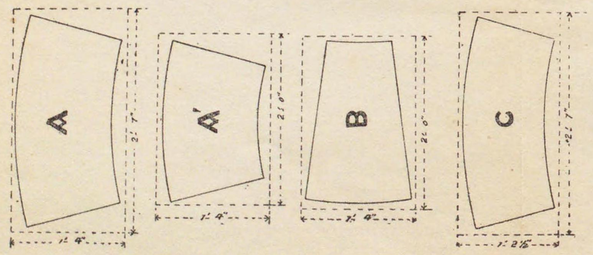


Diagram of Radiated Pieces of wood.
Shewing how they can be cut from Square timbers



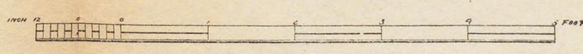
Schedule of Timbers for One Well

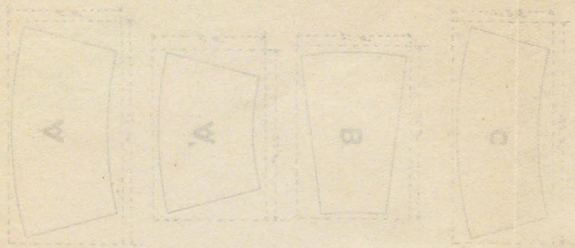
No	Mark on Plan	Gross Dimensions Length	Width	Thickness
Top Row				
12	A	12'-7"	1'-4"	6½"
12	A'	2'-0"	1'-4"	6½"
Middle Row				
24	B	2'-0"	1'-4"	7½"
Bottom Row				
12	C	2'-7"	1'-2½"	8"

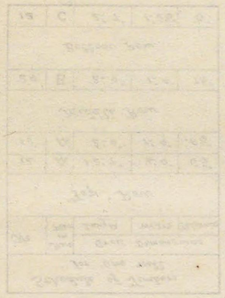
BRICKS	NET NUMBERS FOR 1 FOOT DEEP OF ONE WELL	GROSS NUMBERS INCLUDING SPARE NUMBERS FOR WASTE
C	86	95
D	58	65
E	600	660

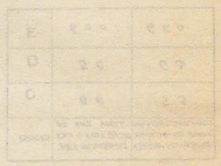
ALL BRICKS TO BE 2½" THICK

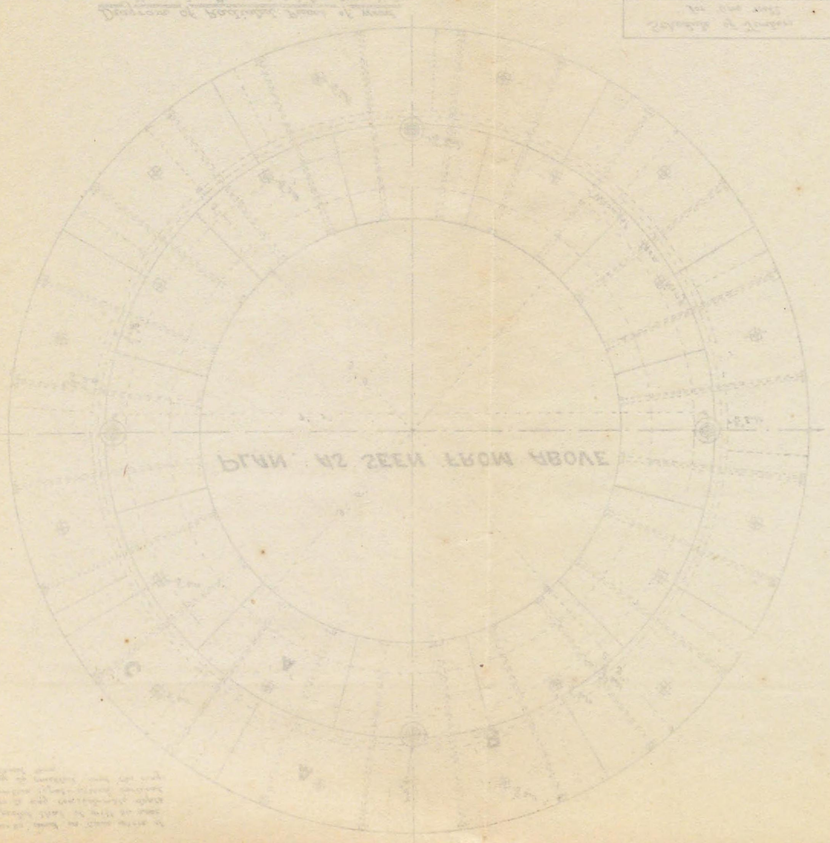
Scale 1½ inch to A Foot

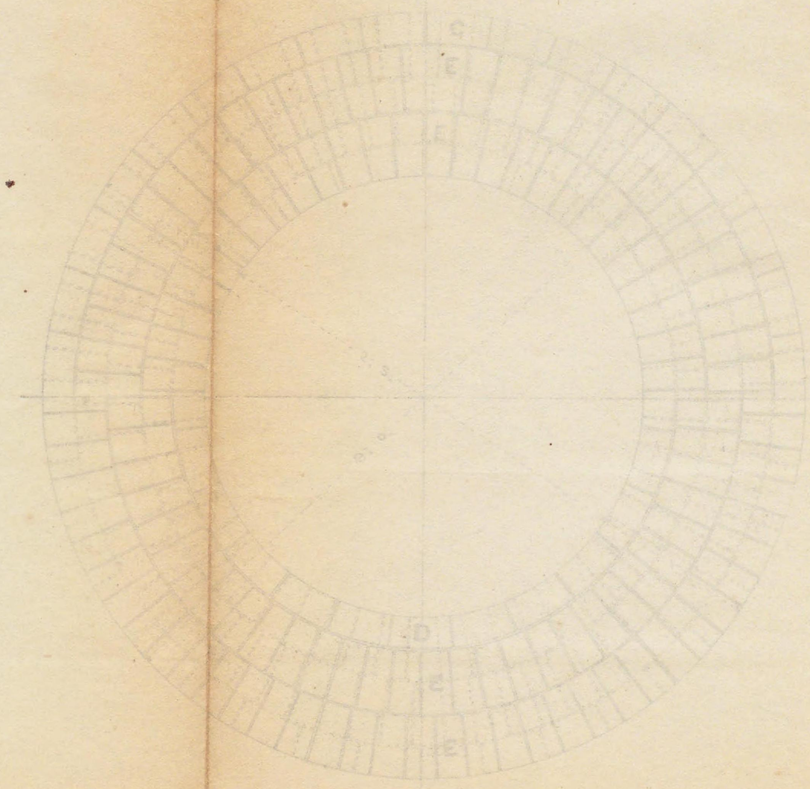


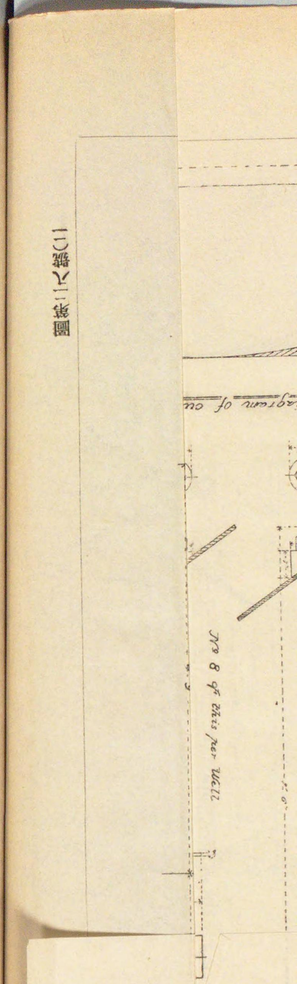

A
A'
B
C

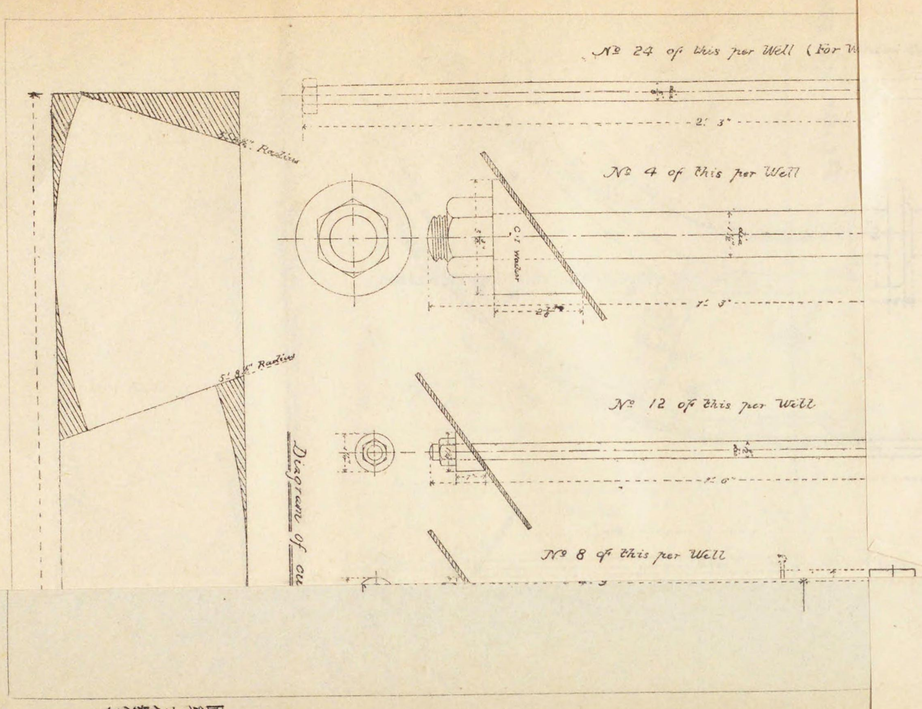





PLAN AS SEEN FROM ABOVE




BOLT



圖第二八號(二)

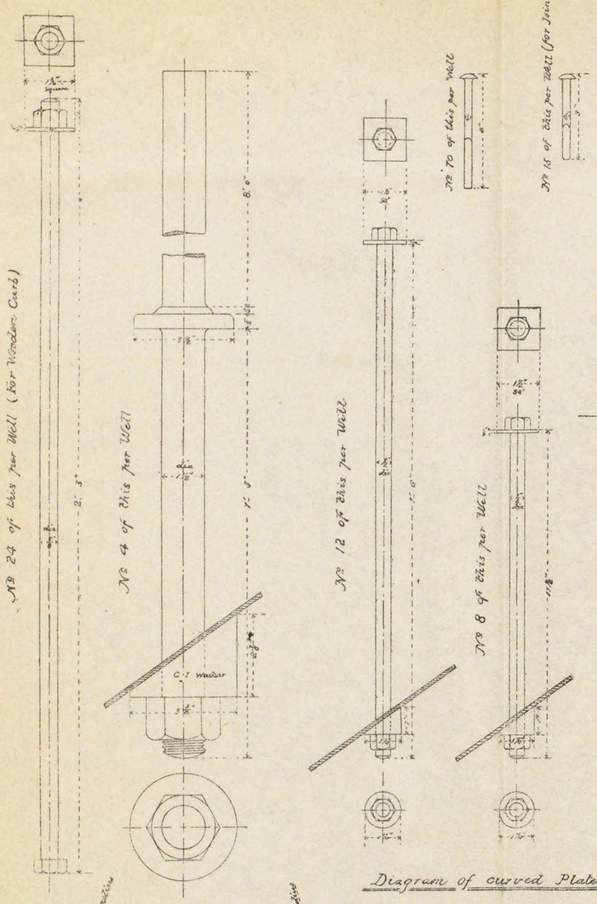
圖第二八號

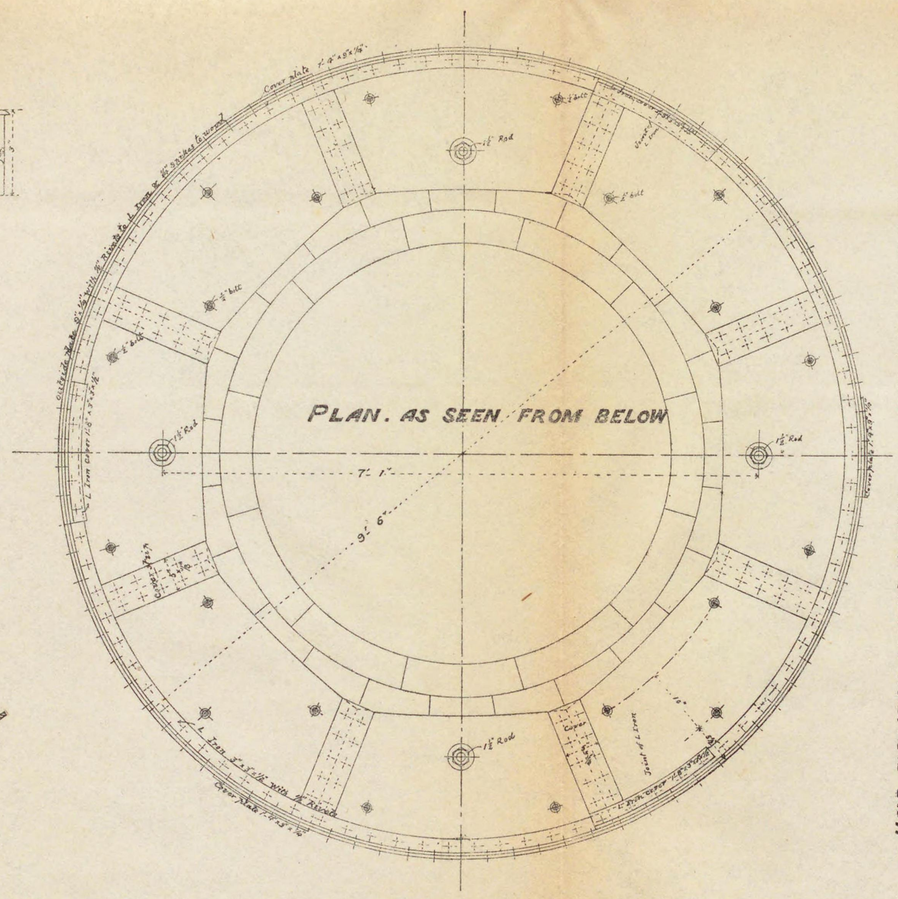
DETAIL OF BOLT

TOKAIDO LINE.
CURB FOR 9 FEET WELL

Scale 1½ inch to A Foot

DETAIL OF BOLTS &c.
HALF SIZE





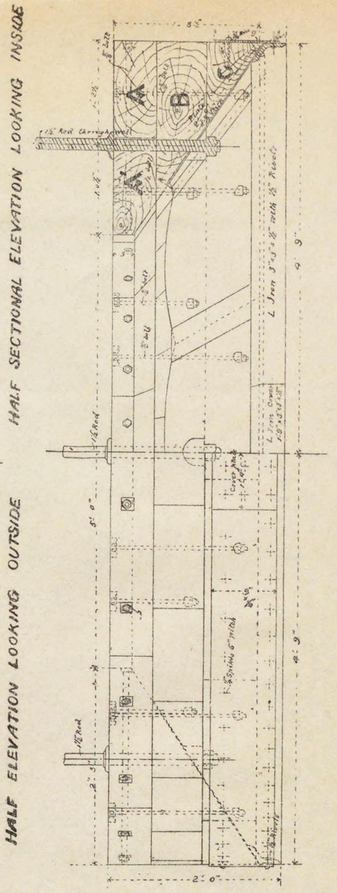
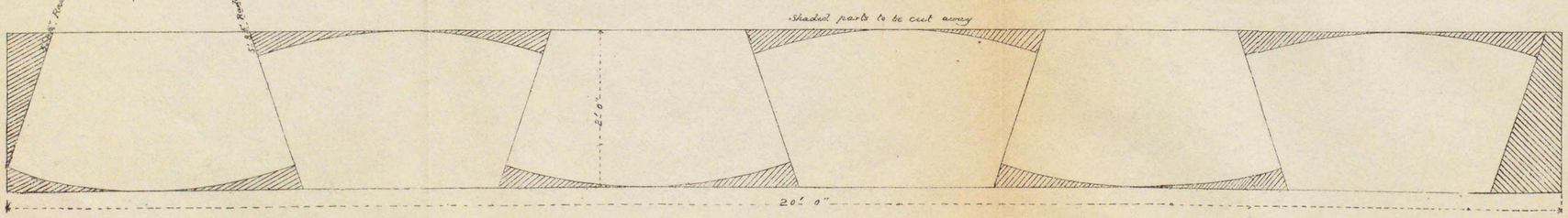
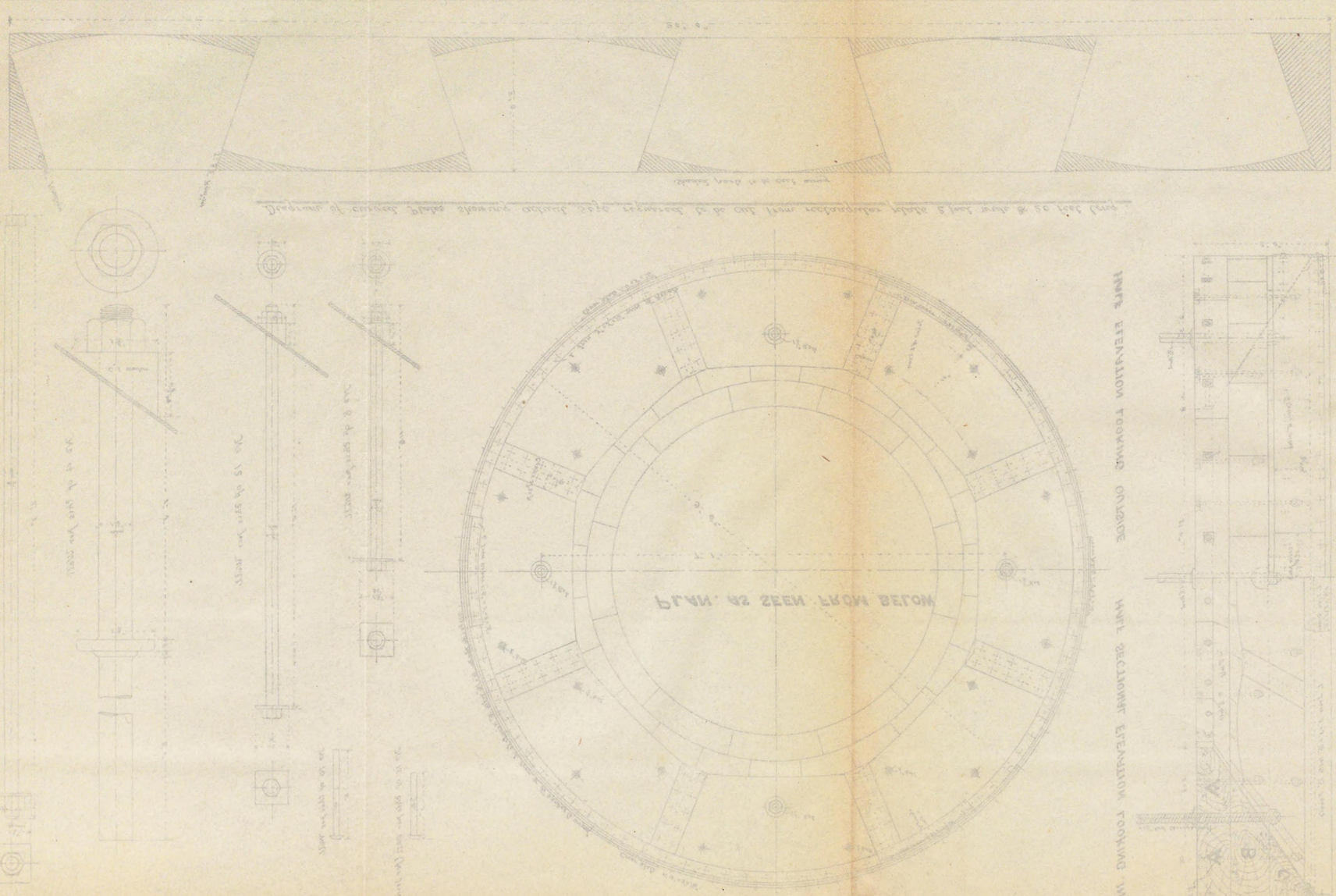


Diagram of curved Plates showing actual size required to be cut from rectangular plate 2 feet wide & 20 feet long.



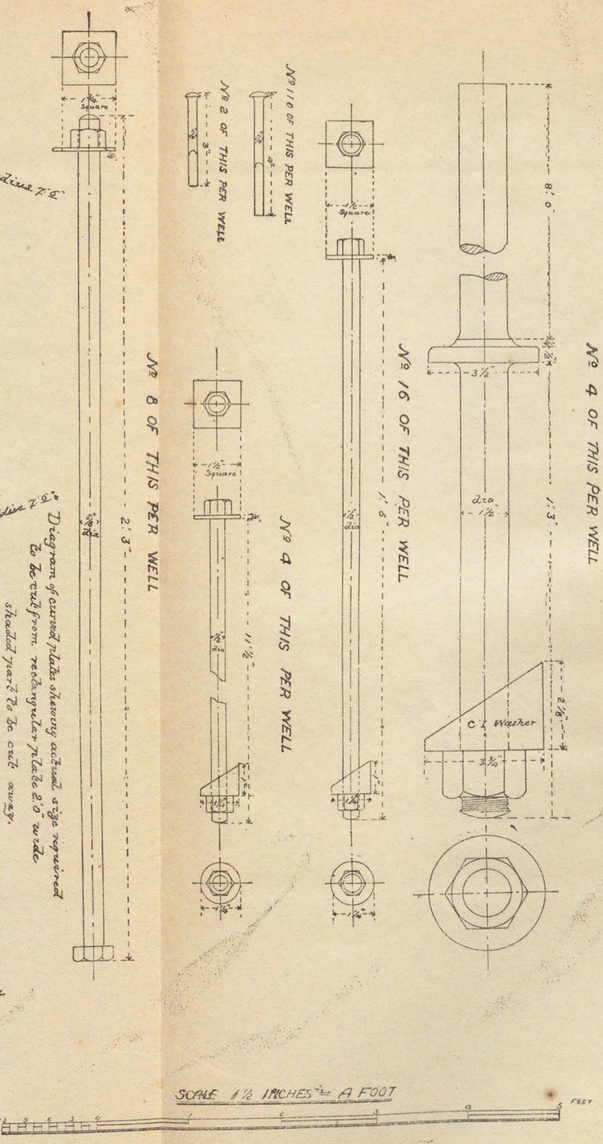

PLAN: AS SEEN FROM BELOW
DETAIL OF BOLTS &c
TOKAIDO LINE
COMB FOR 3 FEET WET

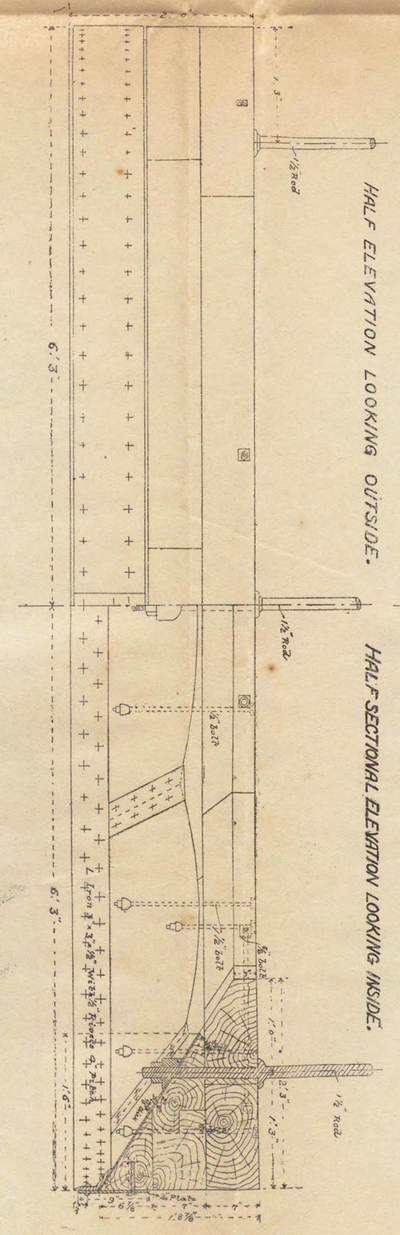
圖第八十二第

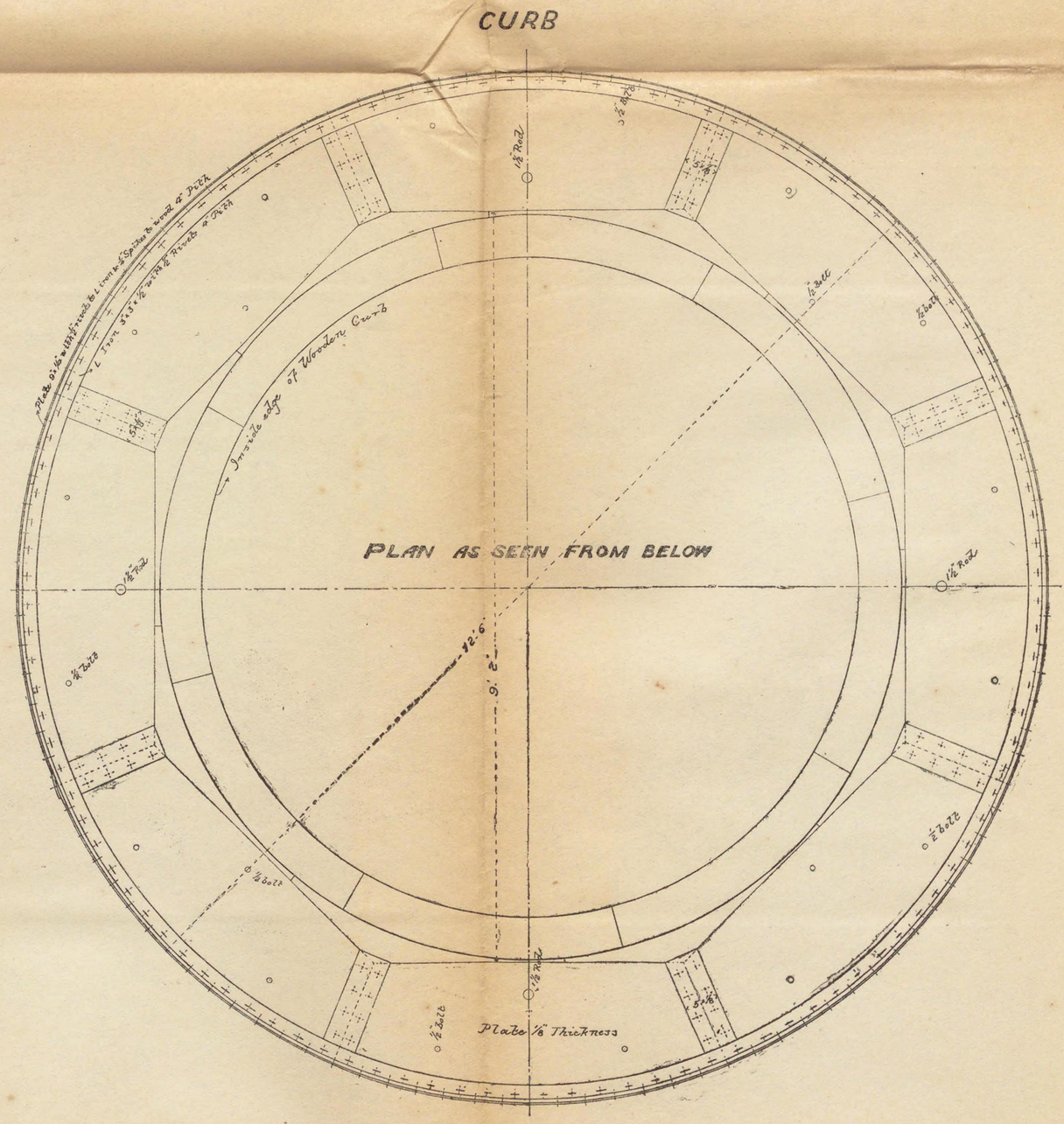
圖第二八號(三)

圖第二八號(二)

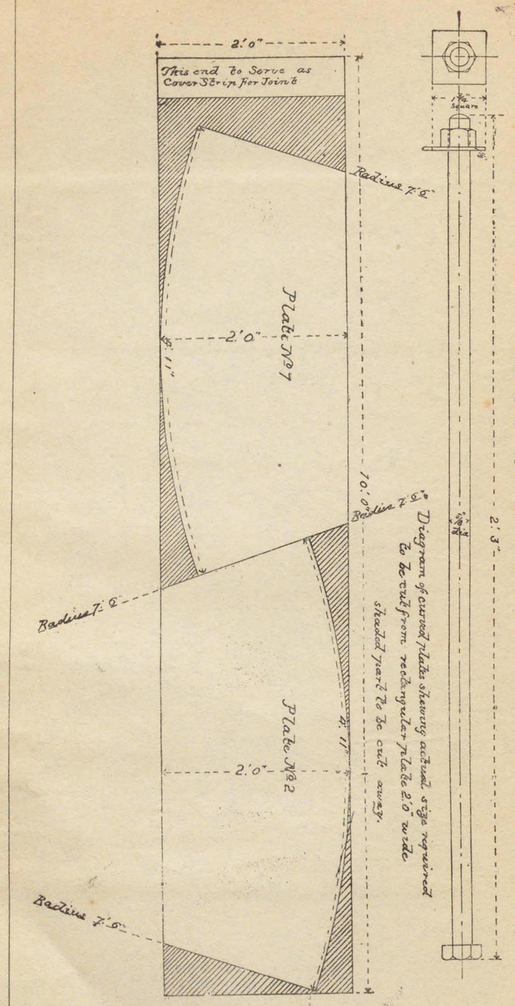
DETAIL OF BOLTS &c.
HALF SIZE

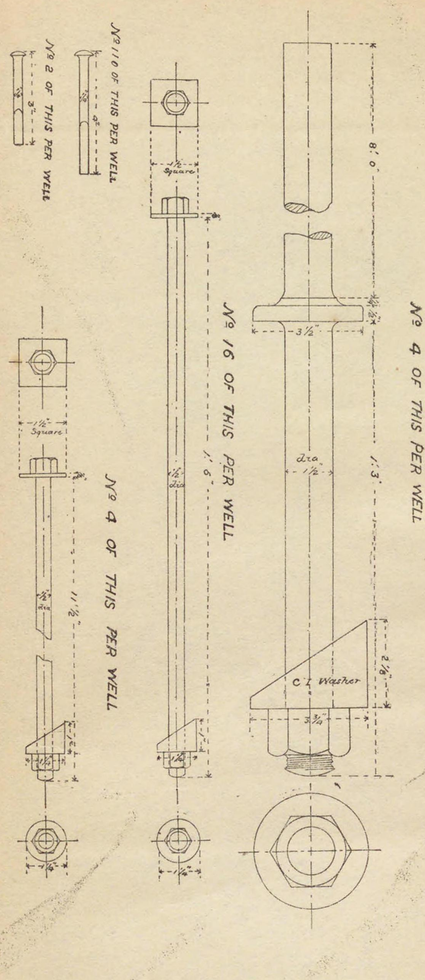




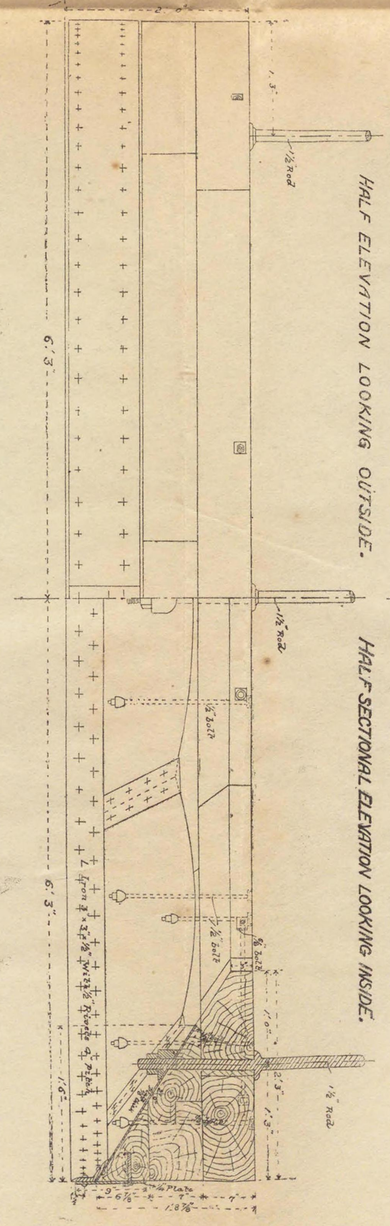


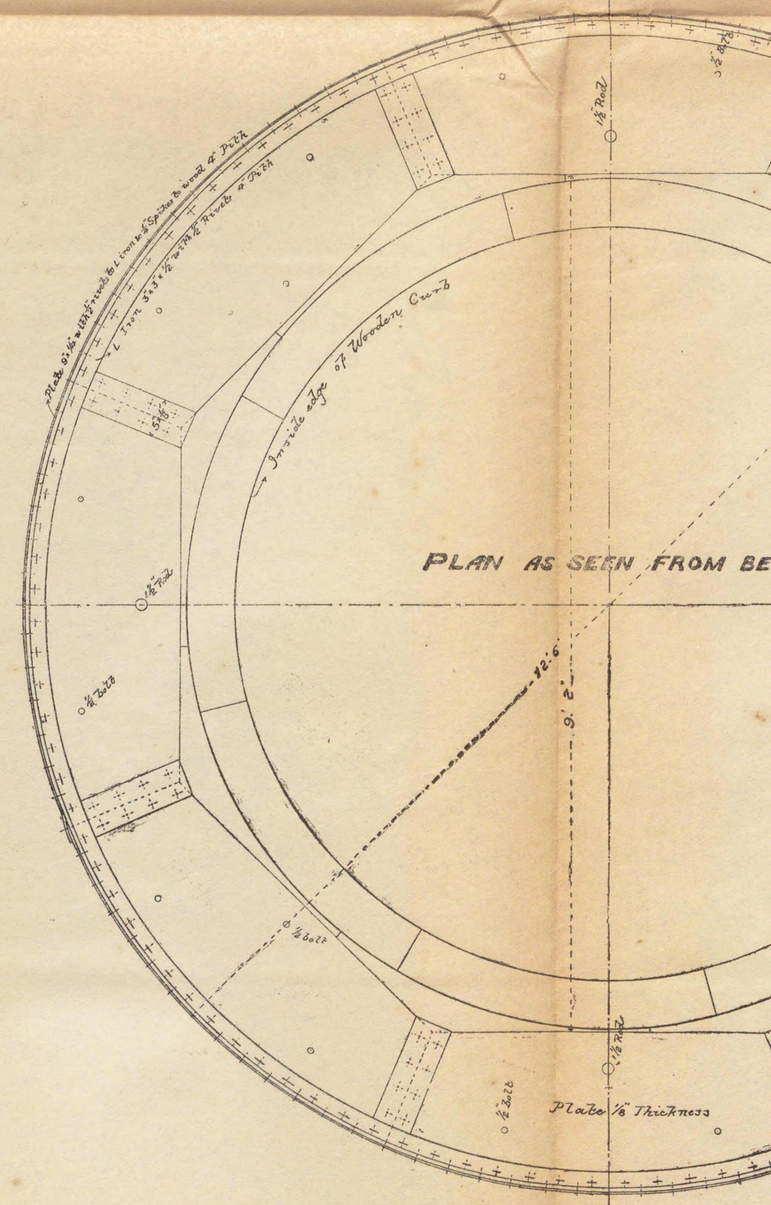
DETAIL OF BOLTS &c.
HALF SIZE



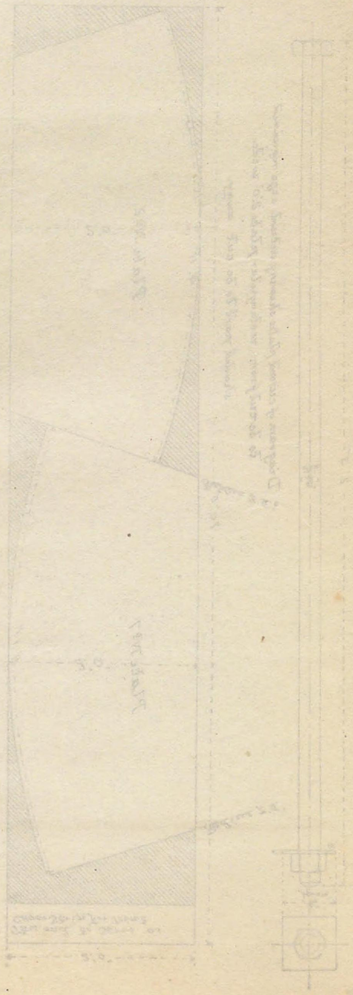


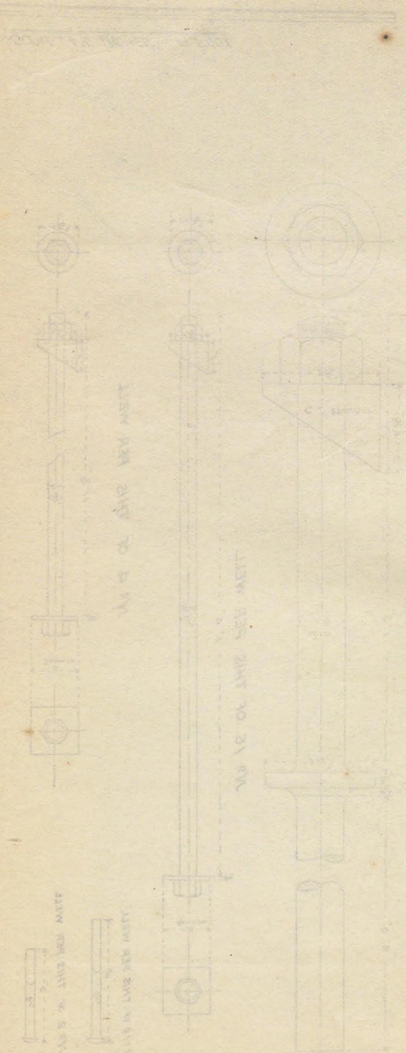
SCALE 1½ INCHES = A FOOT

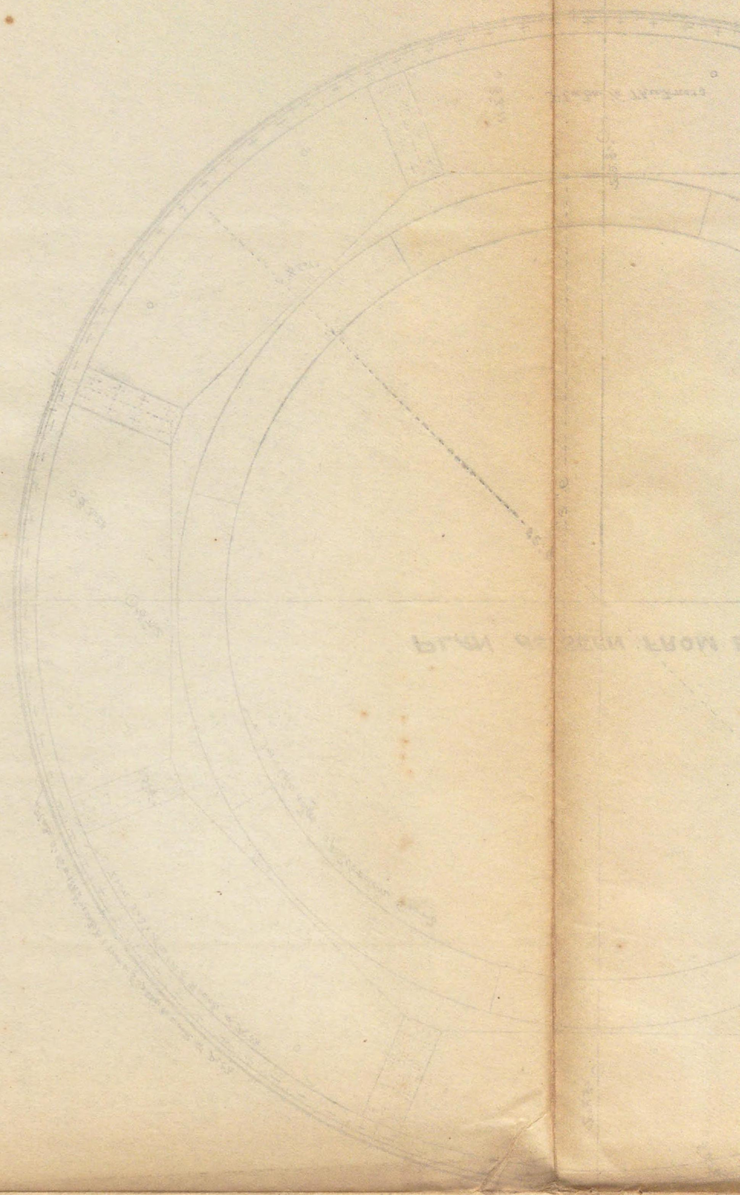


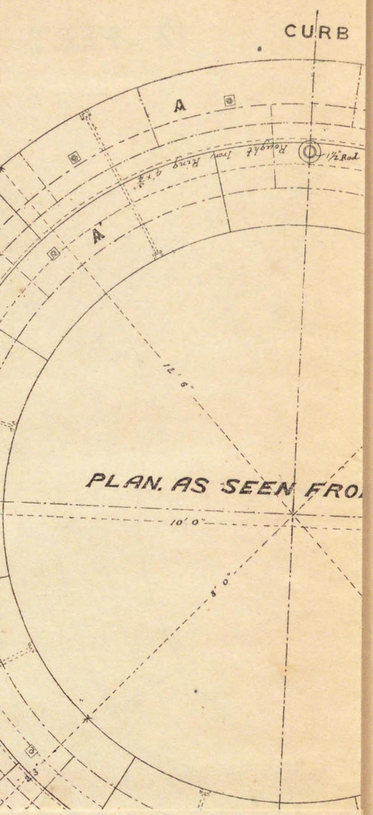


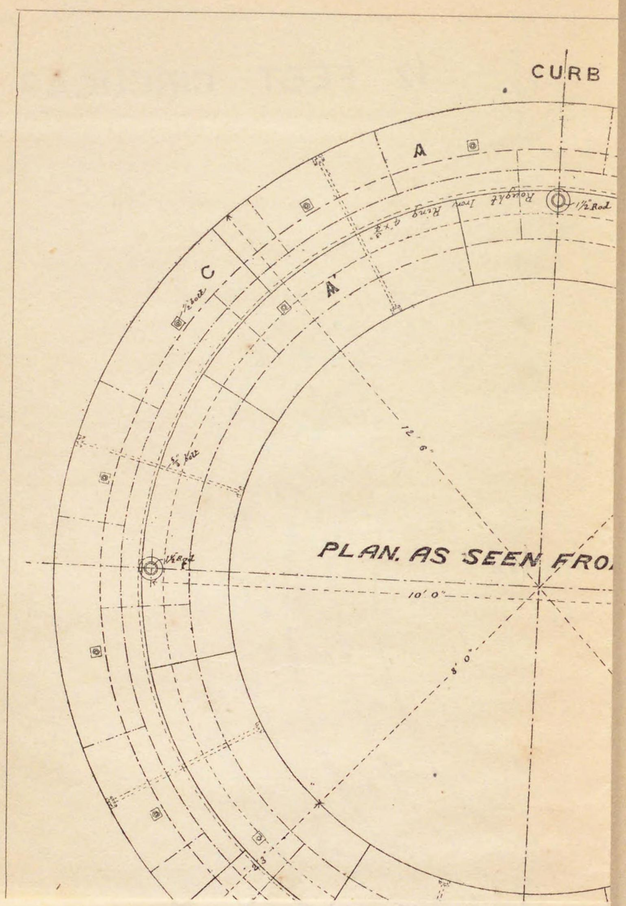
PLAN AS SEEN FROM BE



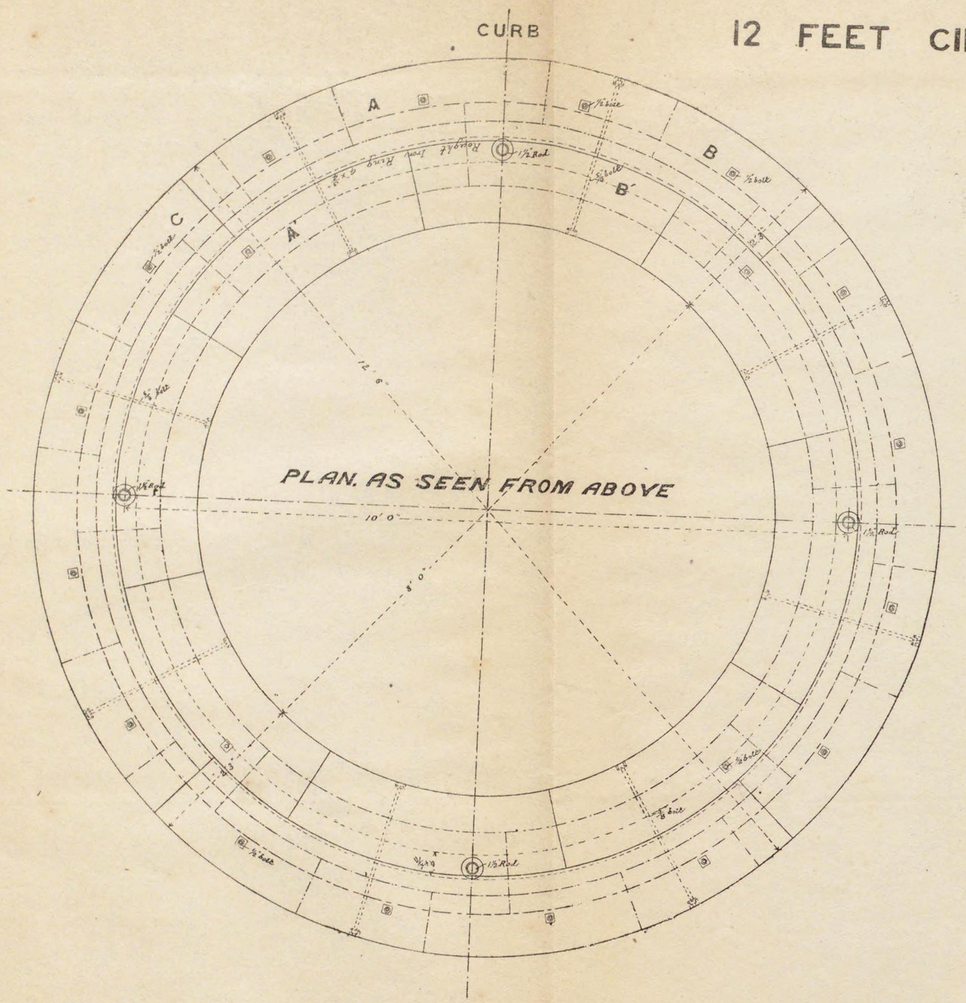





CURB
A
A
PLAN, AS SEEN FRO
10' 0"
5' 0"


CURB
A
A'
C
PLAN. AS SEEN FRO
10' 0"
12' 6"

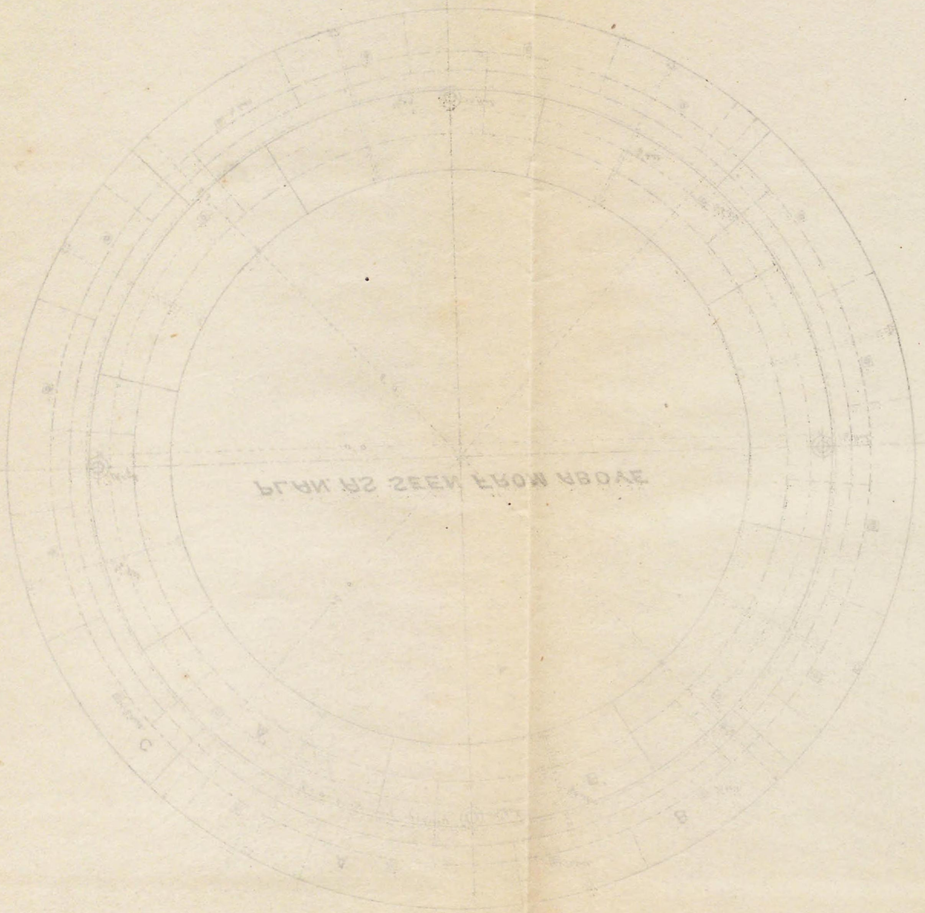
12 FEET CIRCULAR WELL

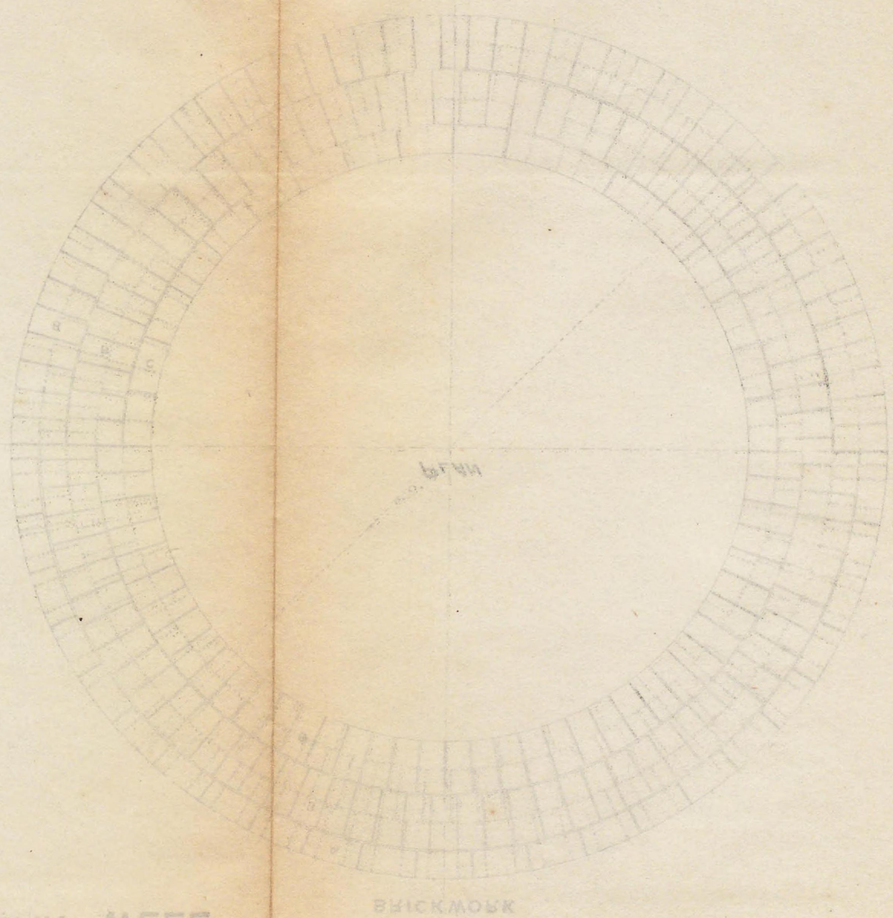

CURB
PLAN. AS SEEN FROM ABOVE
12'0"
10'0"
8'0"
A
A'
B
B'
C
Rough Face
Rough Face Ring 6'3"
1½ Rod
½ Hole
¾ Hole
¾ Hole
¾

第二十二號圖（一）

停車場內建築定規

縮尺以意时爲五呎





圖第二十二號（一）

停車場內建築定規

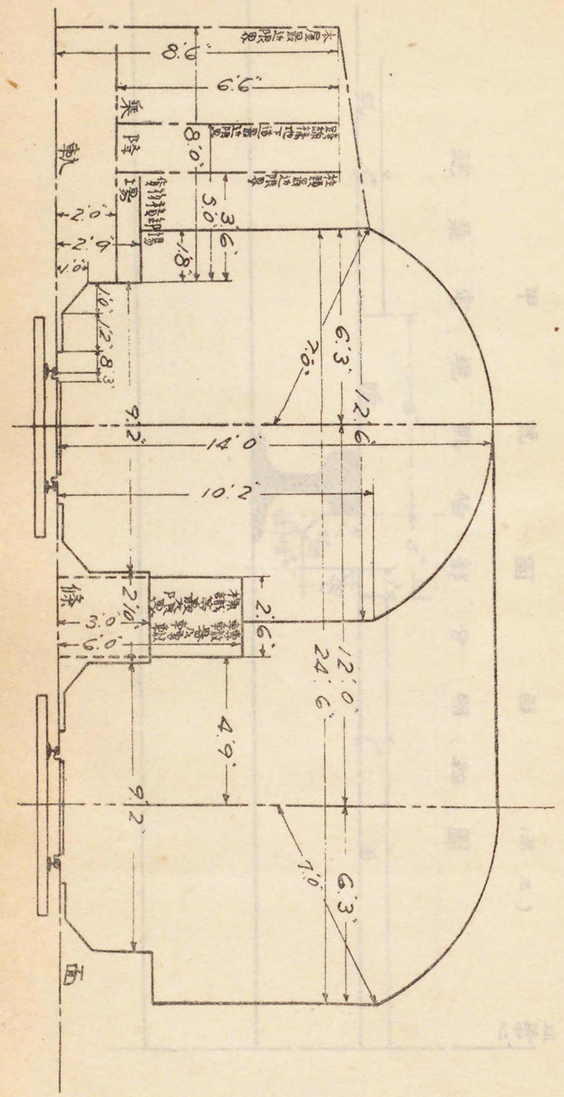
縮尺以意时爲五呎

圖第二十九號（一）

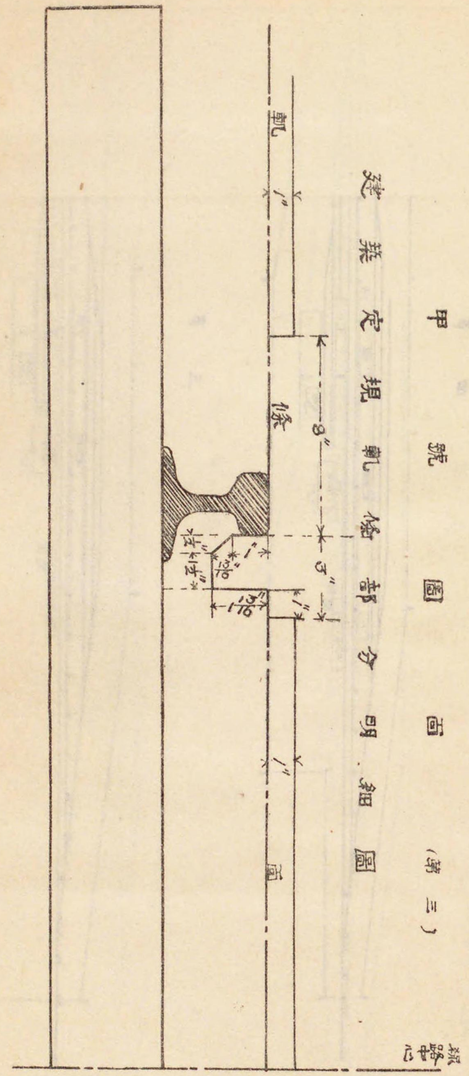
明治三十三年十月達第八四號

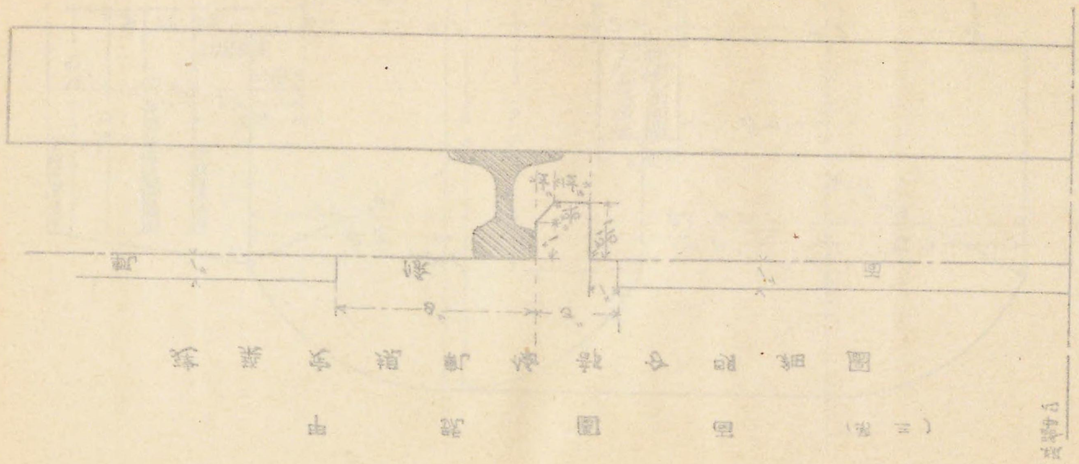
停車場內建築定規

縮尺以壹吋爲五呎



圖第二十九號（二）


軌
條
3″
3″
1″
1″
1

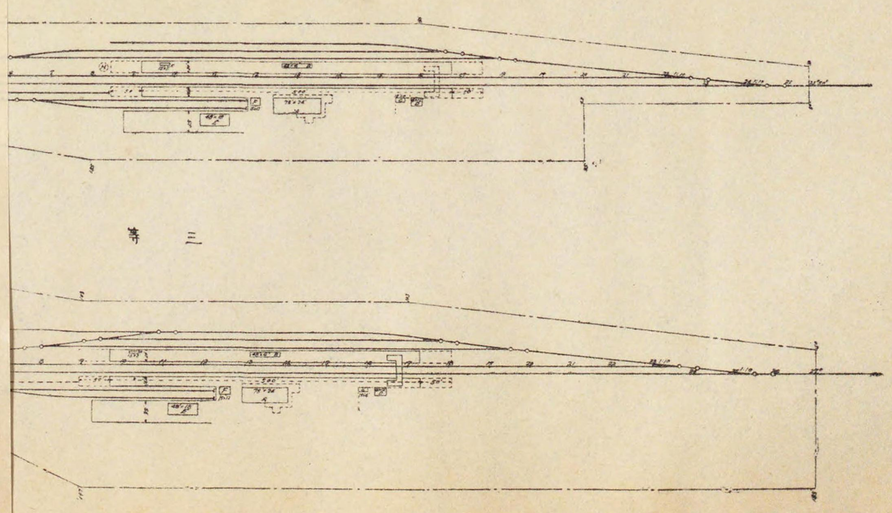


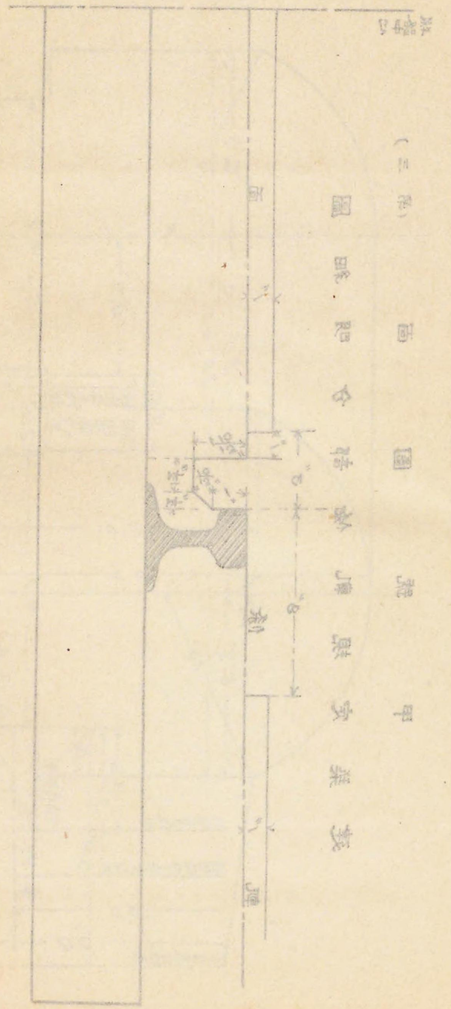
圖第二十六號（二）

圖第三〇號（一）

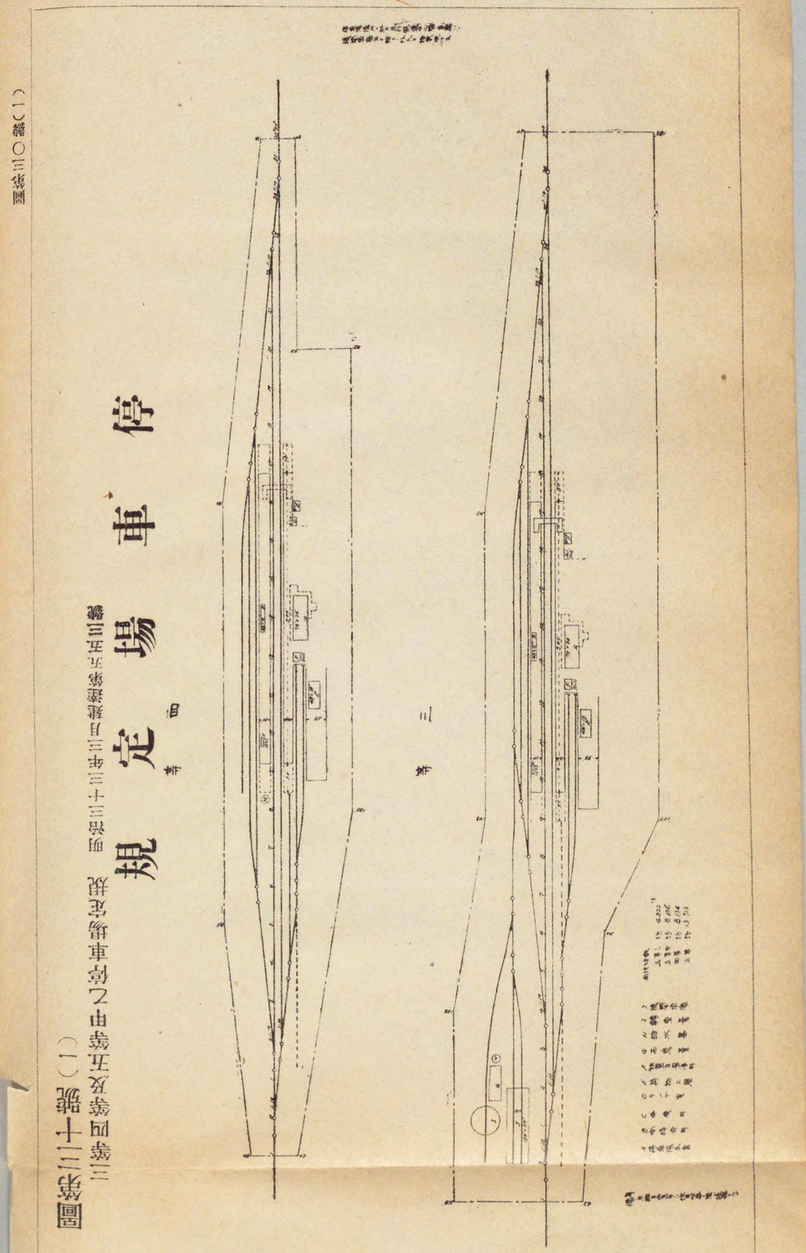
規　明治三十三年三月建達第五五三號

停車場定規





圖第二十九號（二）

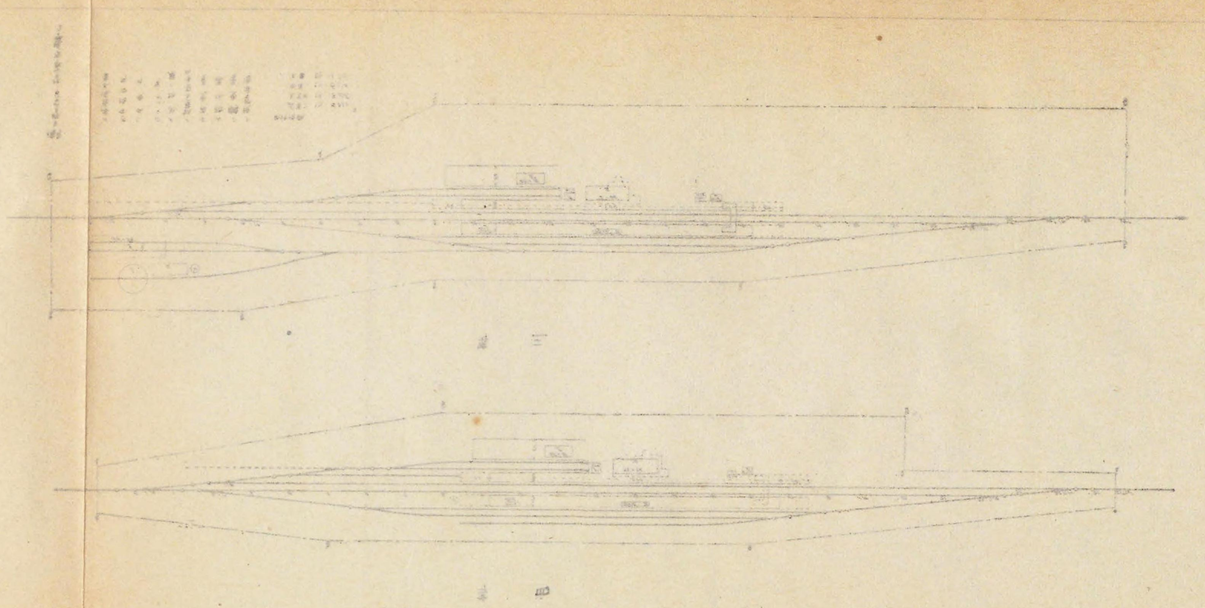


圖第三十號（一）

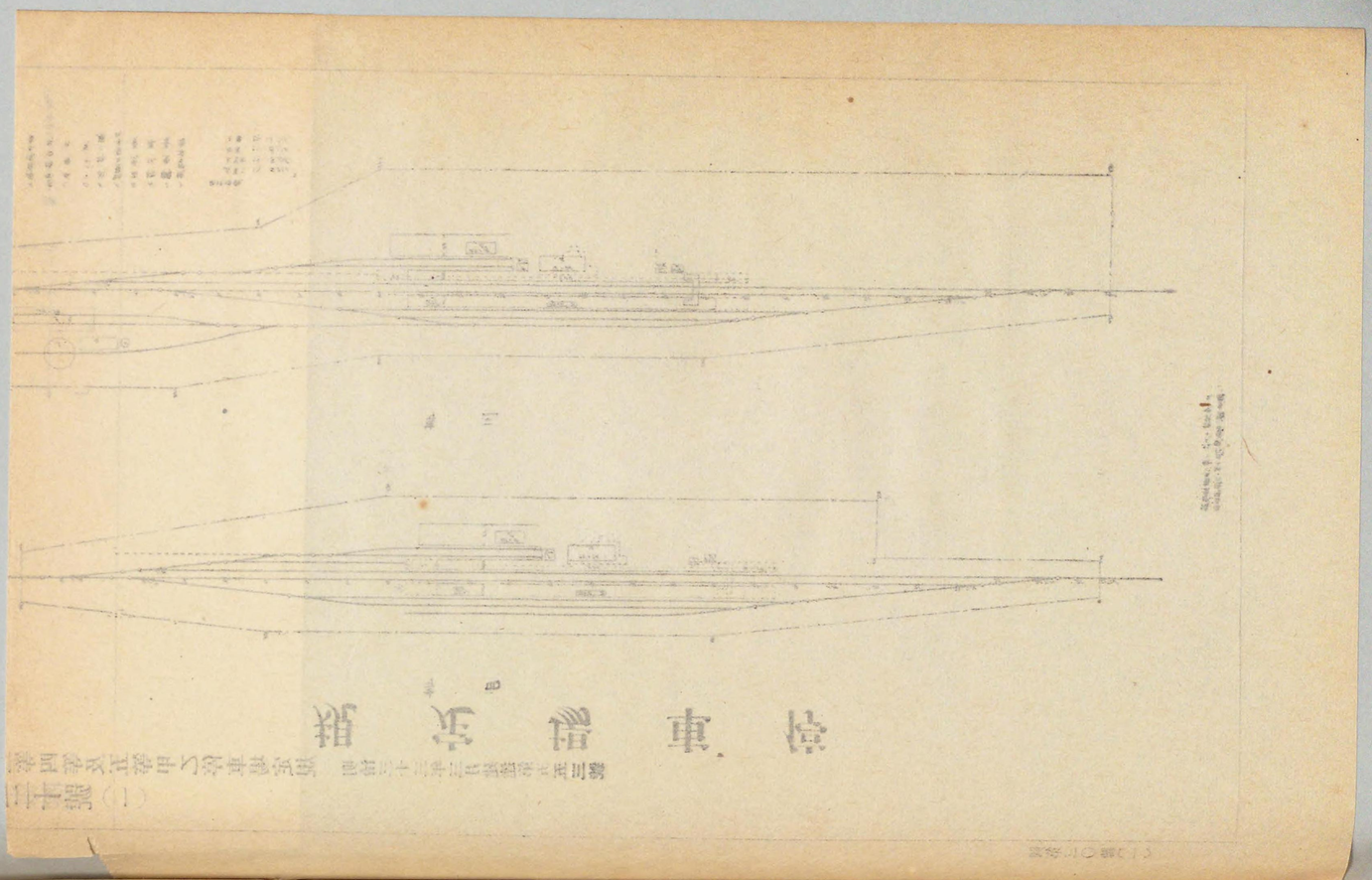
停車場規定圖

三等四等及五等甲乙停車場規定規　明治三十三年三月鐵道第五

停車場定規



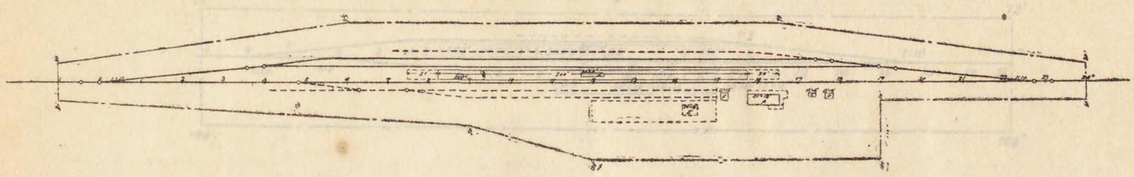
A	停車場本家	用地坪數
B	向待合所	五等乙約6,822坪
C	兩便所	五等甲約8,136"
D	ラムプ室	
E	貨物上家	點線ニテ示スモノハ他日必要ニ際シ設備スヘシ
F	物置及湯沸所	停車場構内ニ於テ並行軌道中心間ノ距離ハ機關
H	給水器	車庫内ヲ除ク外凡テ拾貳呎トス



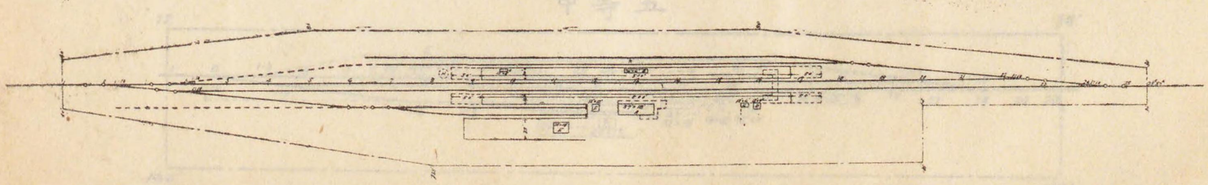
圖第二十號（11）

停車場規定

乙等五



甲等五



A	停車場本家	用地坪數
B	向待合所	五等乙約6,822坪
C	雨便所	五等甲約8,136"
D	ラムプ室	
E	貨物上家	點線ニ示スモノハ他日必要ニ際シ設備スヘシ
F	物置及湯沸所	停車場構内ニ於テ並行軌道中心間ノ距離ハ機關
H	給水器	車庫内ヲ除ク外凡テ拾弐呎トス

圖第三一號（一）

明治三十九年三月達第三六號

鐵道規定場車停線道海北

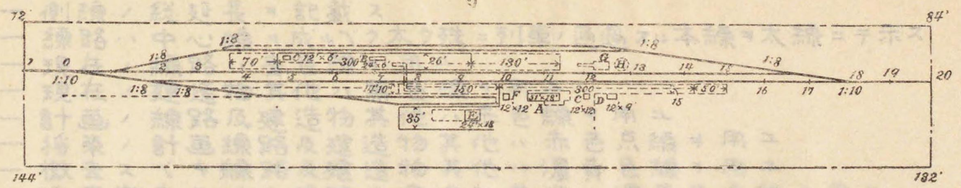
呎十四百爲吋一以尺縮

乙等五

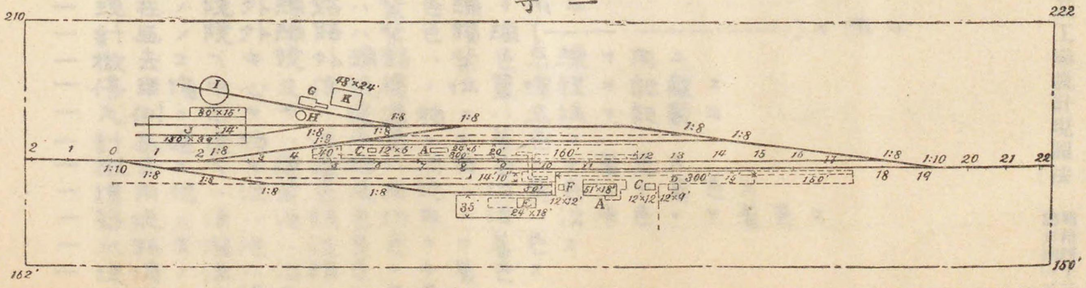
72'
108'
1:10
1:8
1:10
1:8
1:10
1:8

圖第三一號 (11)　規定場車停線道海北　呎十四百　爲吋一以尺縮

四等



三等



用地坪數

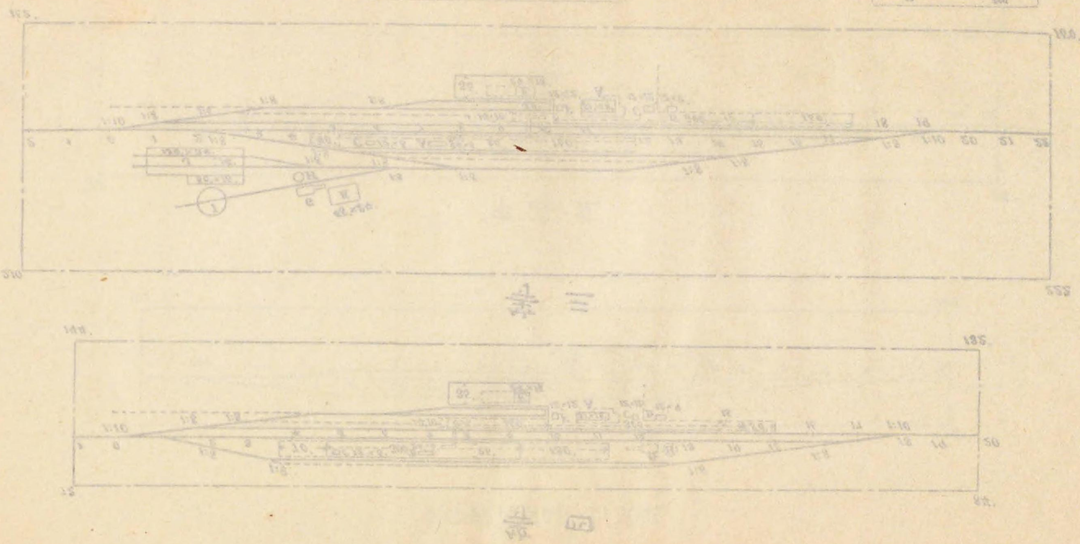
五等乙	六千二百七十坪
五等甲	八千三百十六坪
四等	同坪
三等	一萬六千三百六十八坪

支線延長

	實線之部	點線之部
五等乙	約千五百九十呎	約三百八十呎
五等甲	約二千七百呎	約六百二十呎
四等	約三千四百五十呎	約八百七十呎
三等	約五千百五十呎	約千二百四十呎

凡例

A	停車場本屋	G	石炭臺
B	待合所	H	給水器
C	兩便所	I	轉車臺
D	ランプ室	J	機關車庫
E	貨物庫	K	貯炭庫
F	物置		



停車場現圖法

一　停車場、聯絡所、信號所及工場設計現圖法ハ明治四十三年五月達第四一三號ニ示ス

一　現計ハ現在ノ線路ヲ太線ニテ示シ將來ノ計畫ヲ細線ニテ示ス

一　凡ソ撤去ノ計畫アル線路ハ赤色ヲ用ユ

一　撤去ノ計畫アル建物ハ黒色ヲ用ユ

一　將來ノ計畫ニ係ル線路ハ赤色ヲ用ユ

一　將來ノ計畫ニ係ル建物ハ其ノ構造ニ從ヒ赤色又ハ黒色ヲ用ユ

一　增築ノ計畫アル建物ハ其ノ構造ニ從ヒ赤色又ハ黒色ヲ用ユ

一　貯水槽ハ紫色ヲ用ユ

一　道路ハ(――――――)ヲ用ユ

一　信號所ハ紫色ヲ用ユ

一　信號所ノ名稱ハ紫色ヲ以テ記載ス

一　信號所ノ種別ハ紫色ヲ以テ記載ス

一　凡ソ計畫ニ係ル物ハ淡色ヲ以テ着色ス

一　撤去ノ計畫アル物ハ淡色ヲ以テ着色ス

一　將來撤去ノ計畫アル線路ハ淡色ヲ以テ着色ス

一　撤去ノ計畫アル線路ハ淡色ヲ以テ着色ス

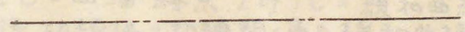
一　撤去ノ計畫アル建物

圖第三二號（二）

縮尺　以壹吋為鎖（又ハ呎）

方位

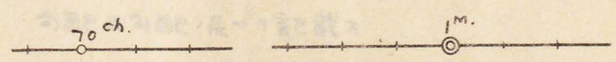
用地境界線



地形線（コントアー）

褐色ニテボカス

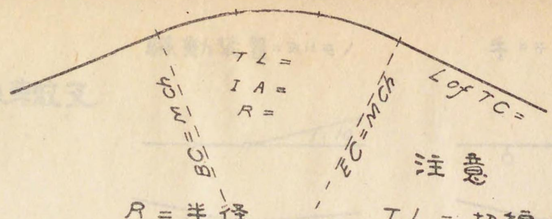
哩程



壹鎖毎ニ線路ニ直角ニ短線ヲ、拾鎖ノ位置ニ小圏ヲ

壹哩ノ位置ニハ二重小圏ヲ示ス

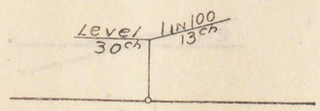
曲線



注意

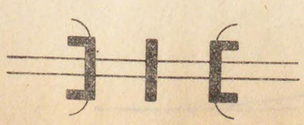
R = 半径　　T.L. = 切線ノ長サ
B.C = 曲線ノ始点　　I.A. = 切線間ノ角
E.C = 曲線ノ終点　　L of T.C = 緩和曲線ノ長サ
始点、終点、半径、切線ノ長サ、切線間ノ角及緩和曲線ノ長サヲ記載ス

勾配



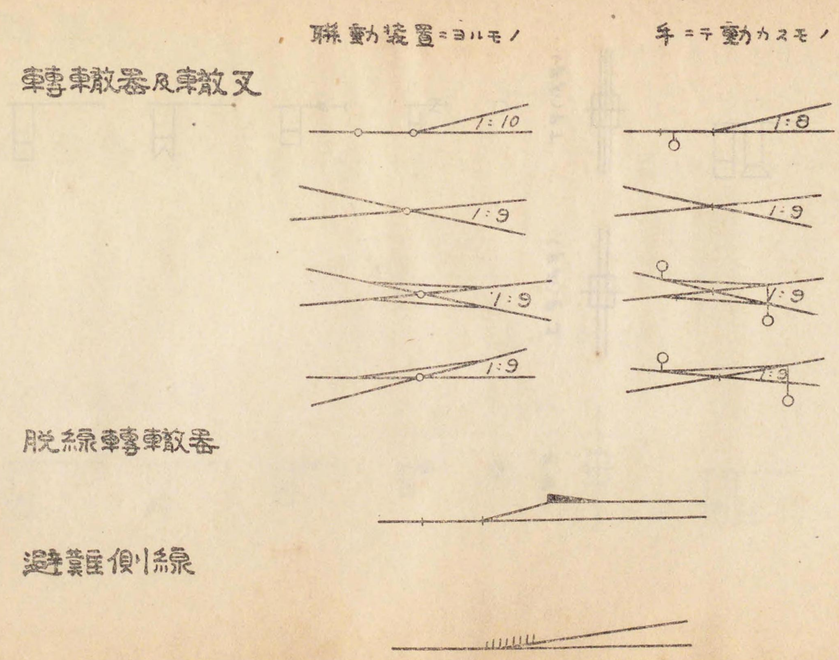
勾配及勾配ノ長サヲ記載ス

橋梁橋臺橋脚



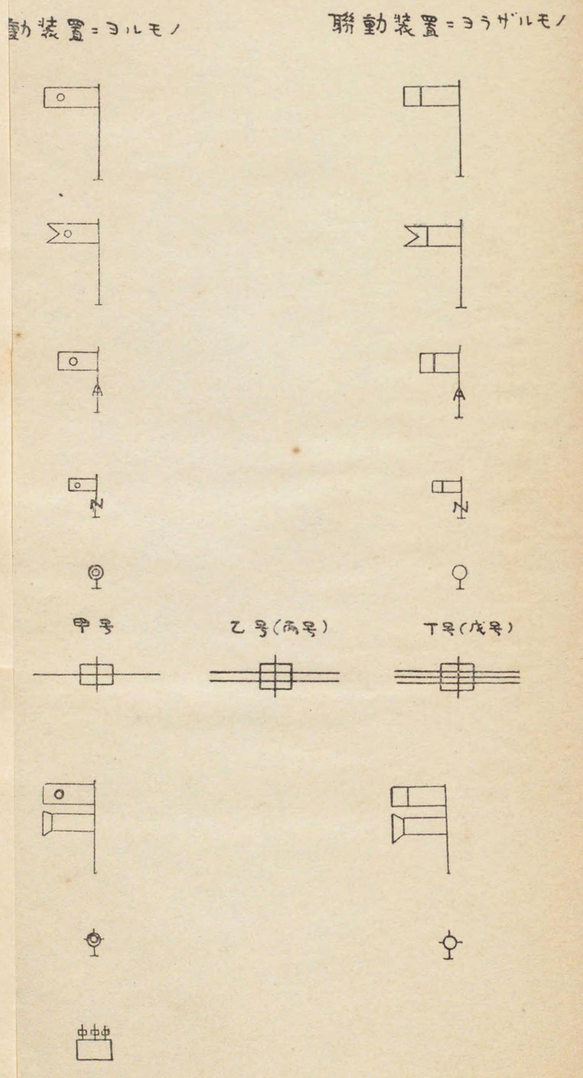
径間ヲ附記ス

圖第三二號（四）



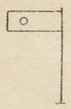
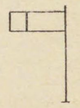
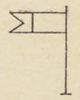
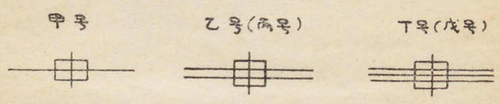
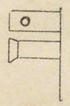
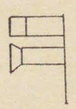
聯動裝置ニヨルモノ
手ニテ動カスモノ
又敵車及器敵轉
1:10
1:8
1:9
1:9
1:9
1:9
1:9
1:9
器敵轉線脱
線側難避

(五) 號二三第圖



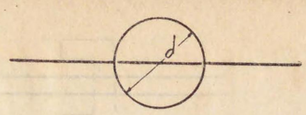
圖第三二號(五)

（五）　號二三第圖

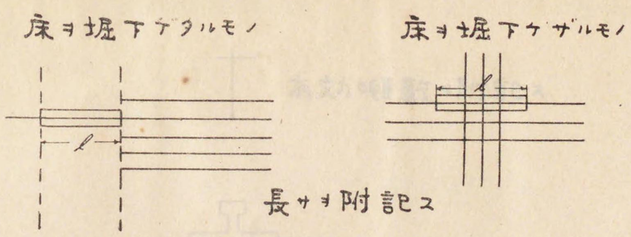
	聯動裝置ヲヨルモノ	聯動裝置ヲヨラザルモノ
場内信號機		
遠方信號機		
出發信號機		
側線信號機		
轉轍標識		
第二種聯動機	 甲号　乙号(丙号)　丁号(戊号)	
通過副信号機		
円板信号機		
グラウンドフレーム		

圖第三二號（五）

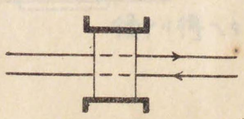
轉車臺



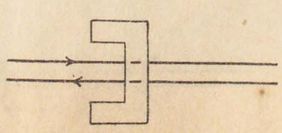
遷車臺



跨線道路橋

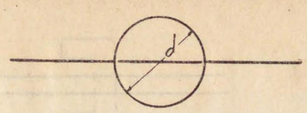


跨線橋



圖第三二號（十六）

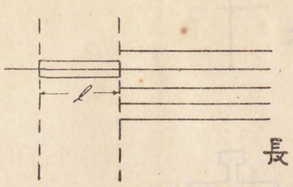
轉車臺



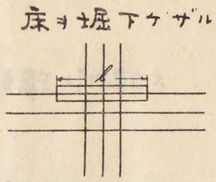
直徑ヲ附記ス

遷車臺

床ヲ堀下ケタルモノ

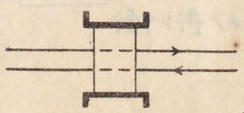


床ヲ堀下ケザルモノ



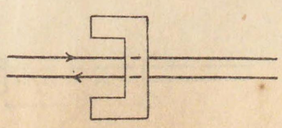
長サヲ附記ス

跨線道路橋



徑間ヲ附記ス

跨線橋



圖第三二號（七）

地下道

起重機

有効噸數ヲ附記ス

計重臺

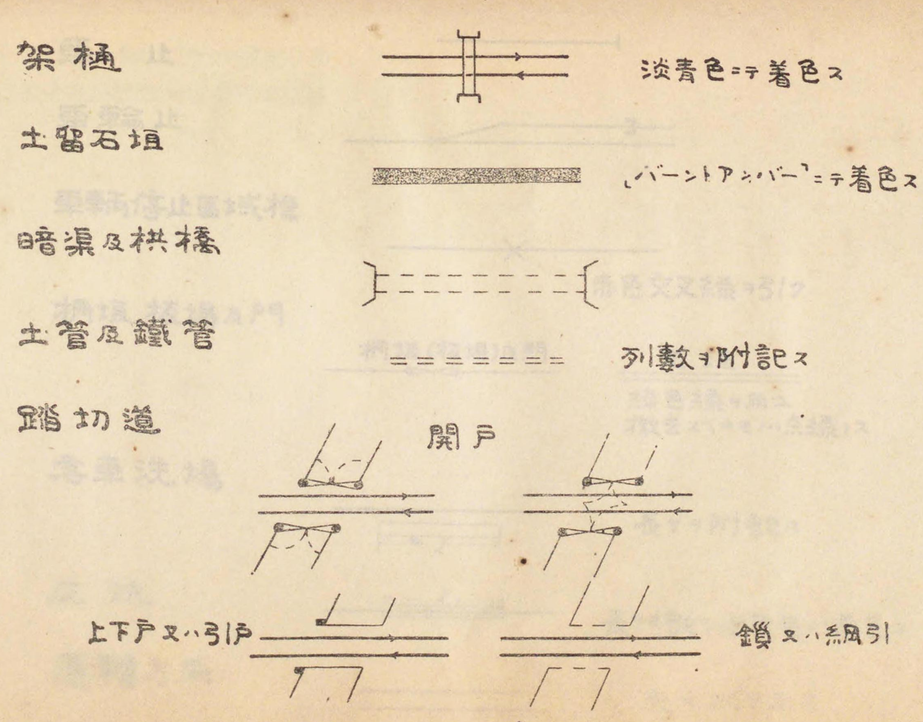
衡リ得ベキ最大噸數ヲ附記ス

貨車積載定規

隧道

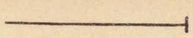
長サヲ附記ス

圖第三二號（八）

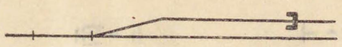


架樋
淡青色ニテ着色ス
土留石垣
「バーントアンバー」ニテ着色ス
暗渠及拱橋
土管及鐵管
列數ヲ附記ス
踏切道
開戸
上下戸又ハ引戸
鎖又ハ綱引

車止



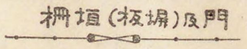
車輪止

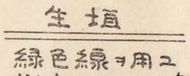


車輛停止區域標

赤色交叉線ヲ引ク

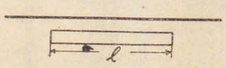
柵垣.板塀及門





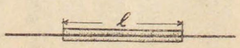
緑色線ヲ用ユ
撤去スベキモノハ点線トス

客車洗場



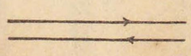
長サヲ附記ス

灰坑



長サヲ記シ淡黒色ニ着色ス

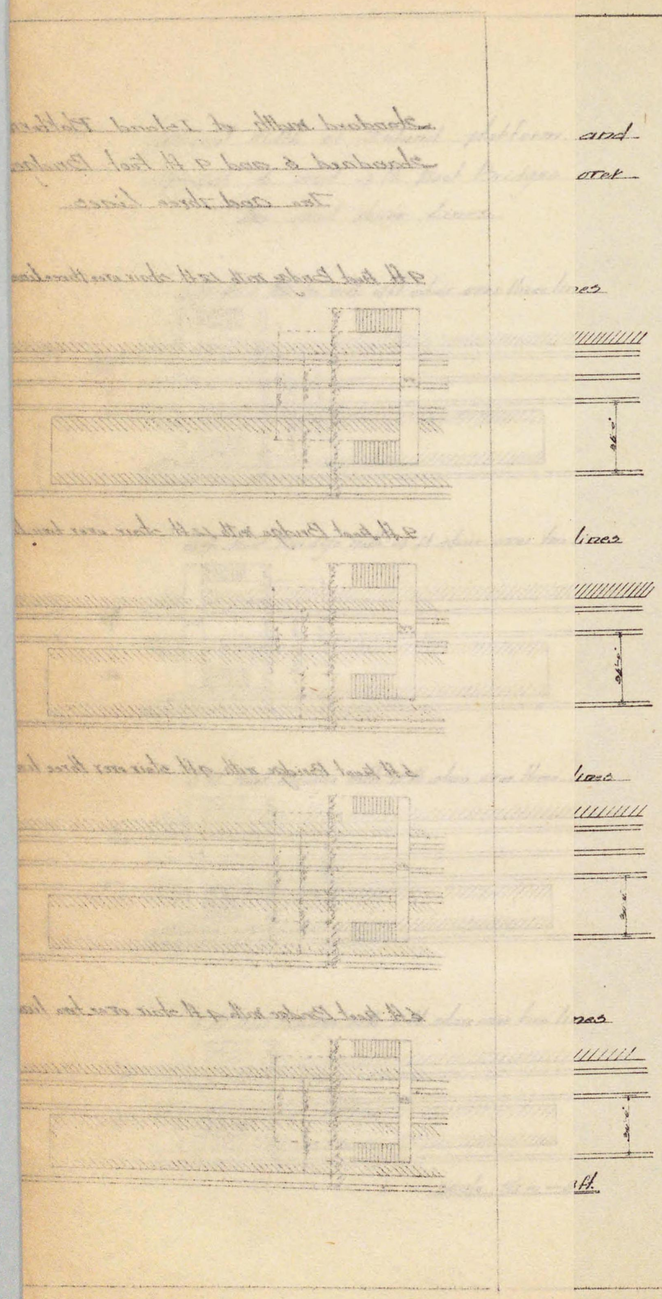
運轉方向



矢ヲ以テ示ス

圖第三十三號　明治四十一年二月達第六三號

停車場向乘車場幅員及跨線橋柱距離



圖第三十三號

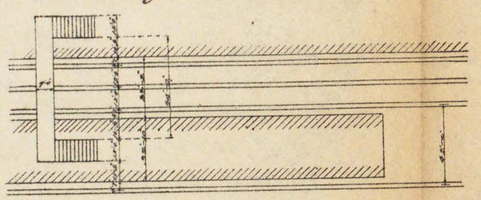
明治四十一年二月達第六三號

停車場向乘車場幅員及跨線橋柱距離

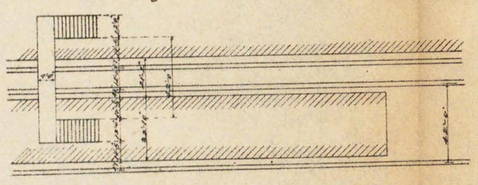
Standard width of Island Platform and Standard 6 and 9 ft. feet Bridges over Two and Three Lines.

9 ft. feet Bridge with 12 ft. stair over three lines.

甲、一



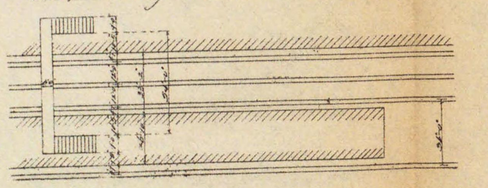
9 ft. feet Bridge with 12 ft. stair over two lines.



甲、二

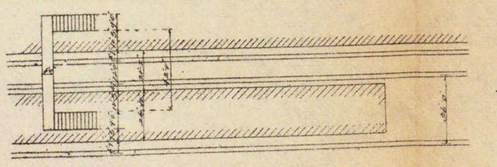
6 ft. feet Bridge with 9 ft. stair over three lines.

乙、一



6 ft. feet Bridge with 9 ft. stair over two lines.

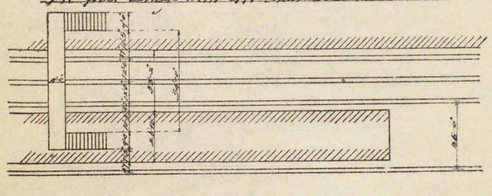
乙、二



Special width of Island Platform and Special 6 and 9 ft feet Bridges over Two and Three Lines.

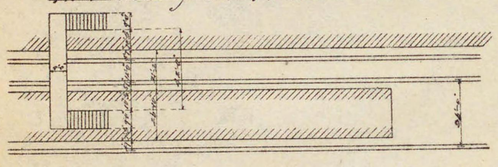
9 ft. feet Bridge with 9 ft. stair over three lines.

丙、一



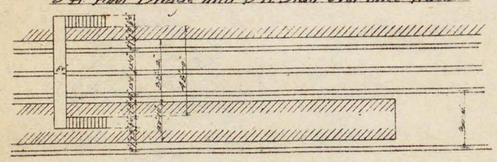
9 ft. feet Bridge with 9 ft. stair over two lines.

丙、二



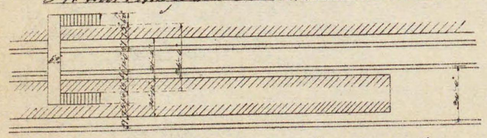
6 ft. feet Bridge with 6 ft. stair over three lines.

丁、一



6 ft. feet Bridge with 6 ft. stair over two lines.

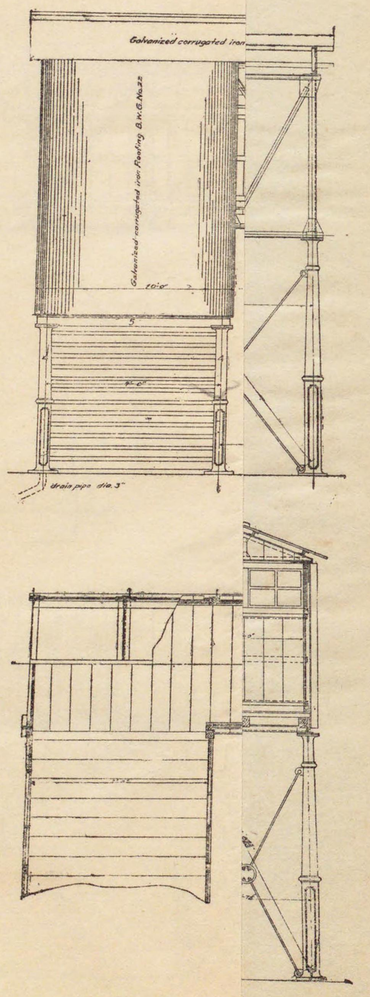
丁、二



Scale ¼ in = 8 ft.

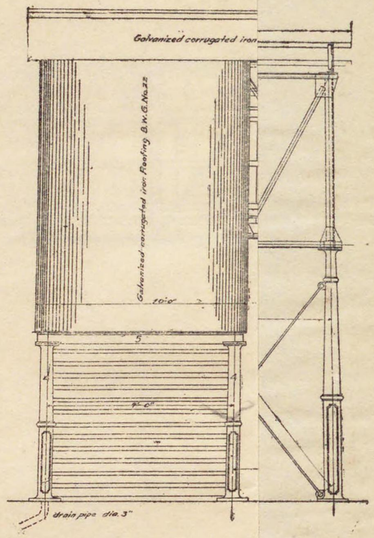
圖第三三號

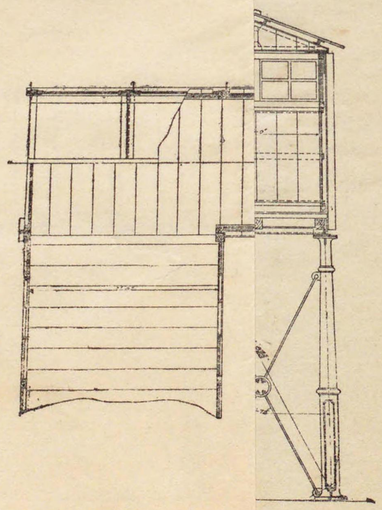
圖第三


Galvanized corrugated iron
Galvanized corrugated iron Roofing B.W.G. No.22
Drain pipe dia. 3"

圖第三四號(一)

圖第三


Galvanized corrugated iron
Galvanized corrugated iron Roofing B.W.G. No.22
drain pipe dia. 3"



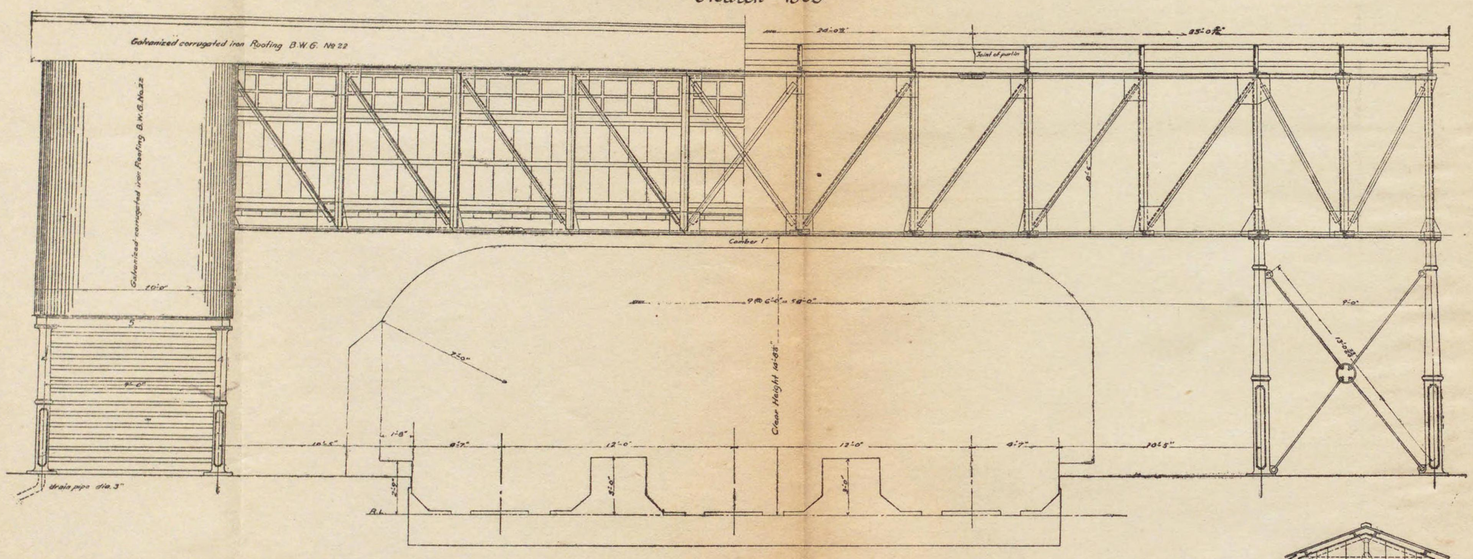
圖第三四號(一)

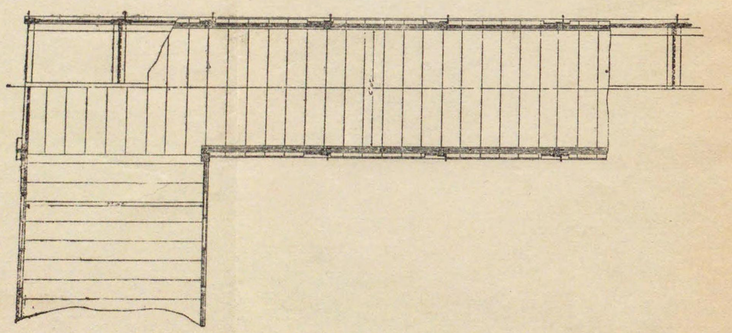
圖第三四號（一）　跨線橋定規乙ノ一ノ一

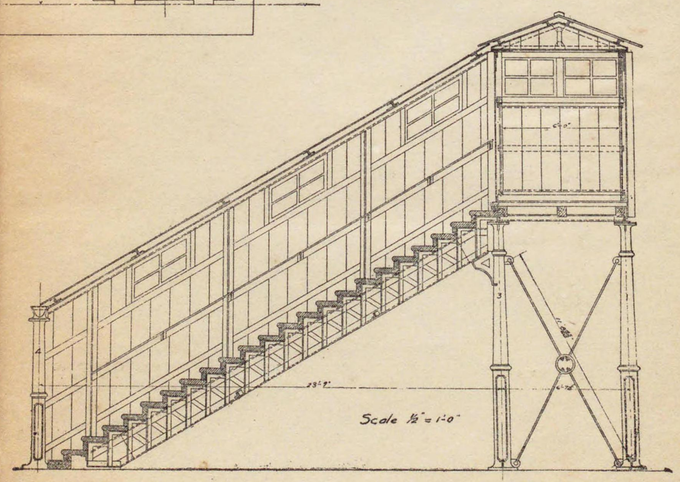
明治四十二年十月
達第八五〇號

6 ft. foot Bridge with 9 ft. Stairs over Three Lines.

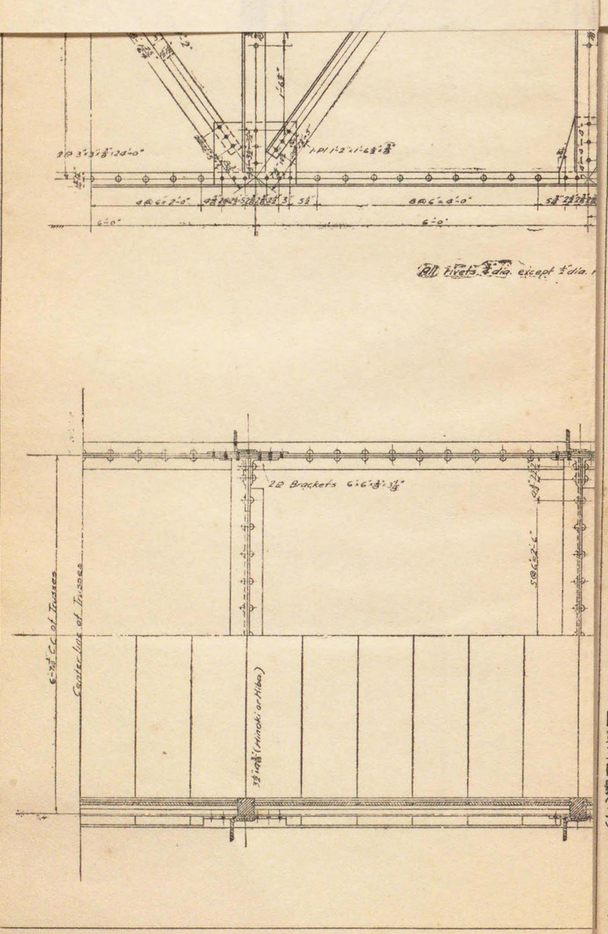
March 1909





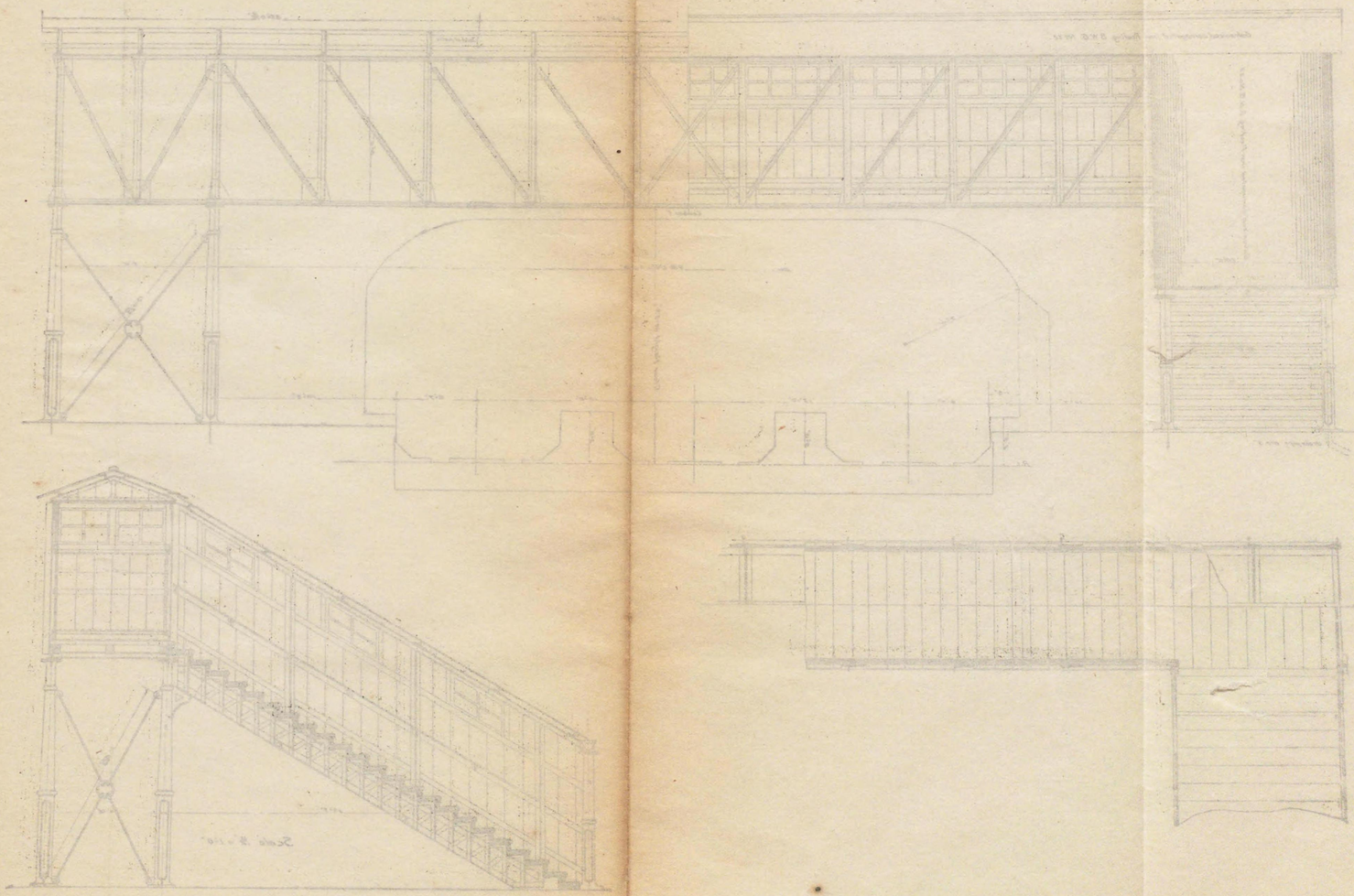


圖第三四號（一）



圖第三四號(二)

跨四三第圖

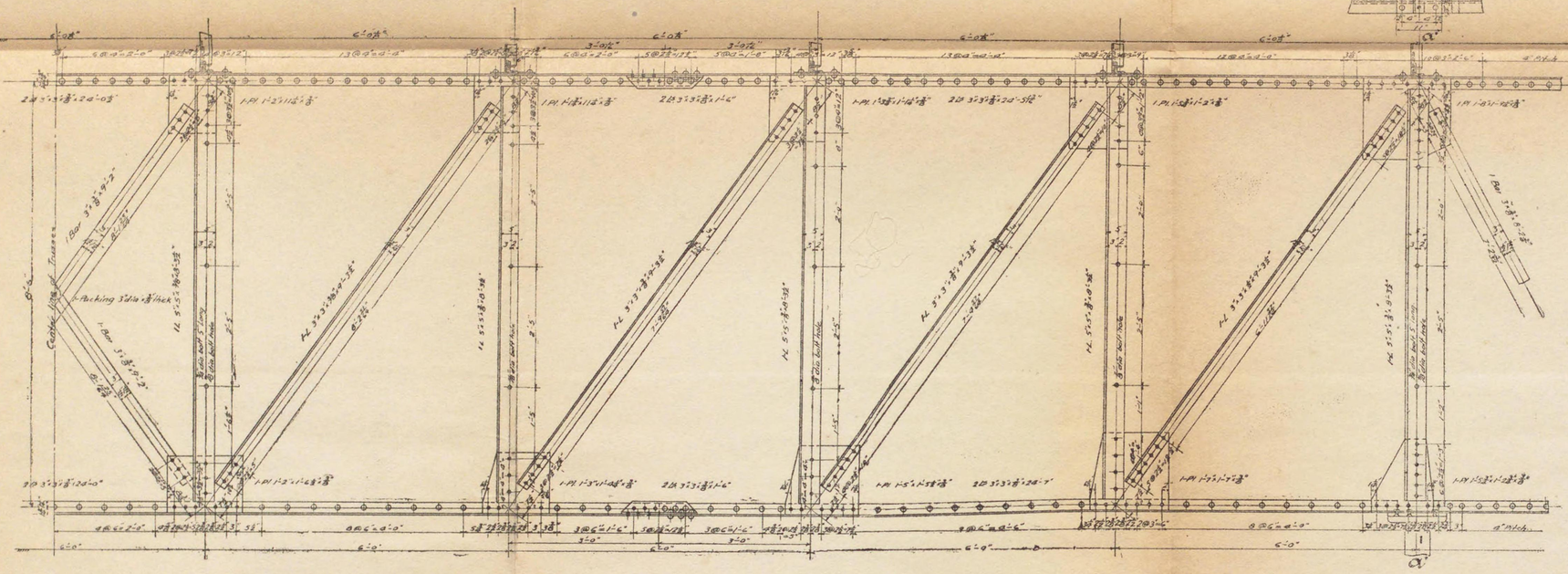


圖第三四號(二)

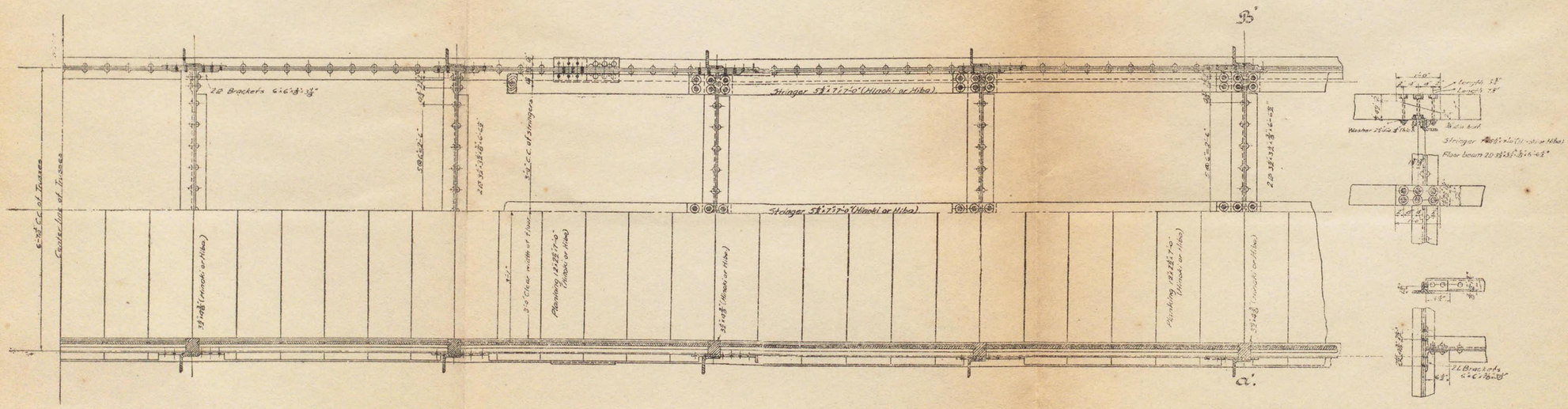
6 ft. Foot Bridge with 9 ft. Stairs over Three Lines.

圖第三四號（二）　跨線橋定規乙ノ一ノ二

Elevation.

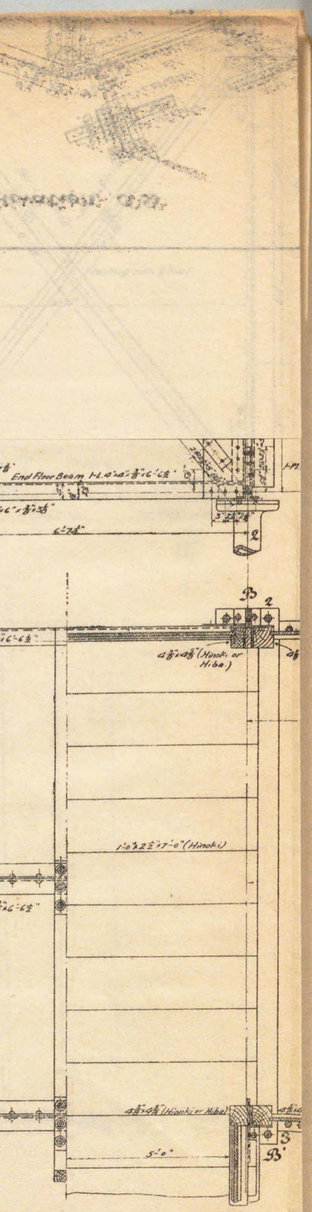


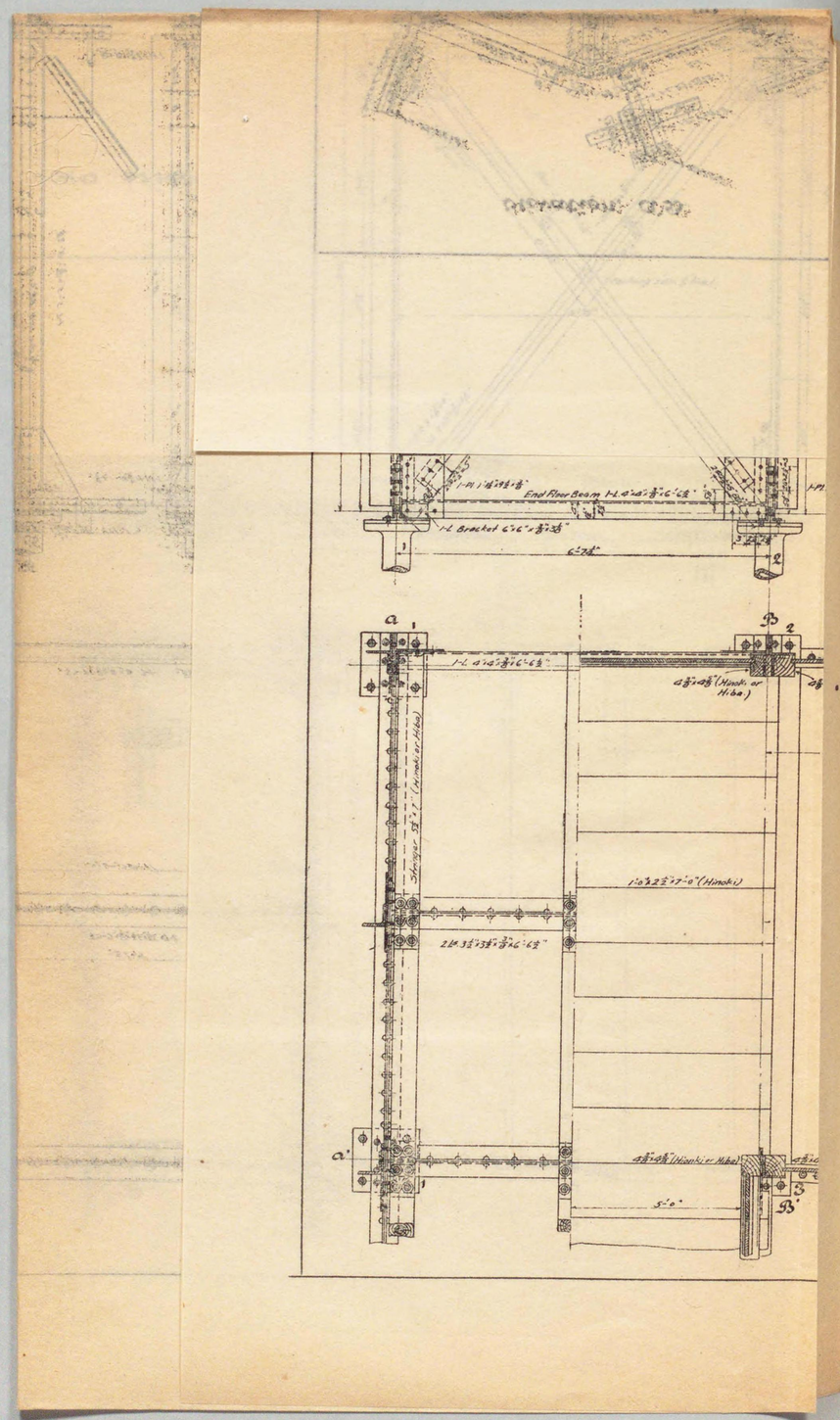
Plan.

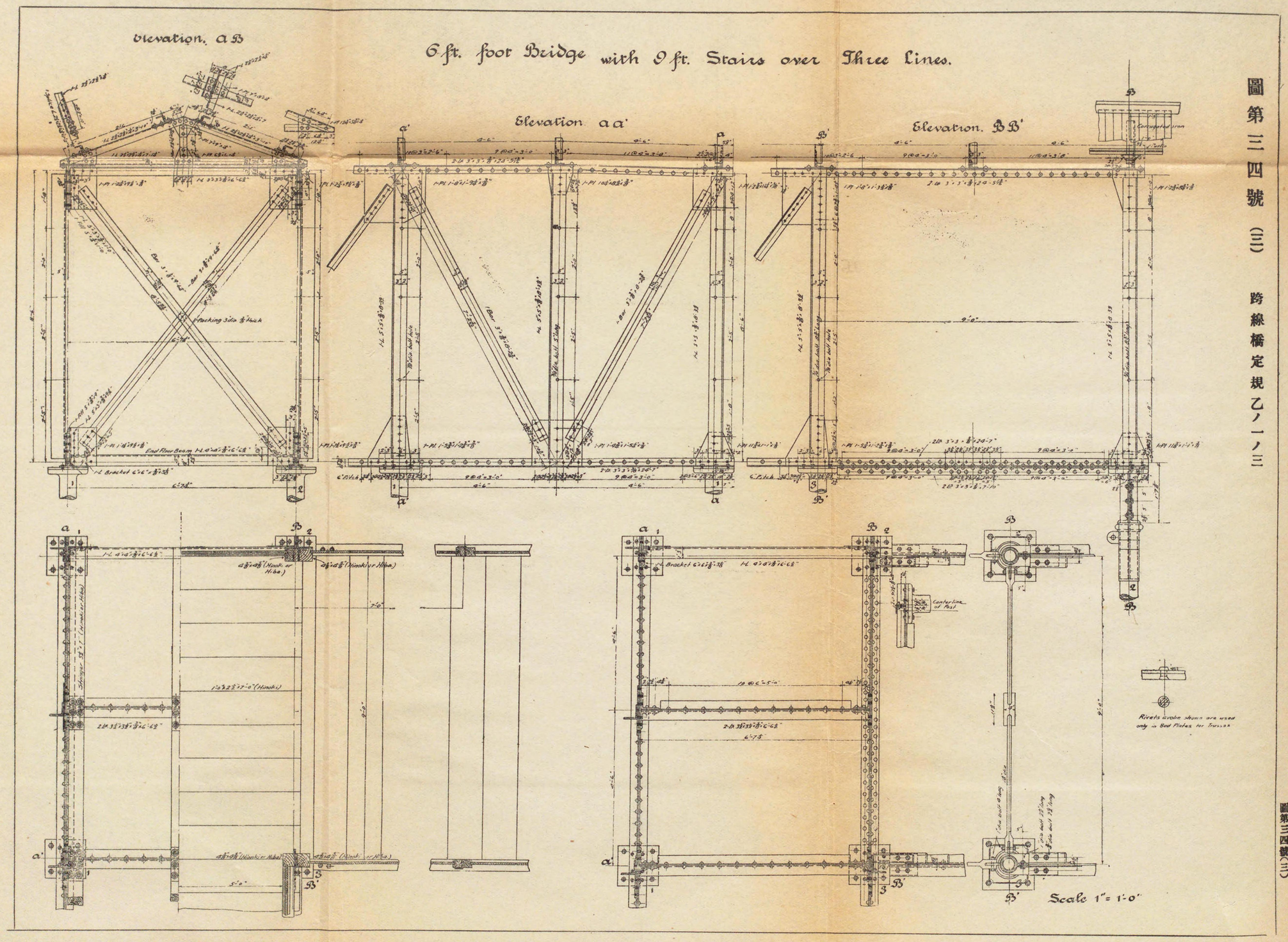


Scale 1"=1'-0"

圖第三四號（二）

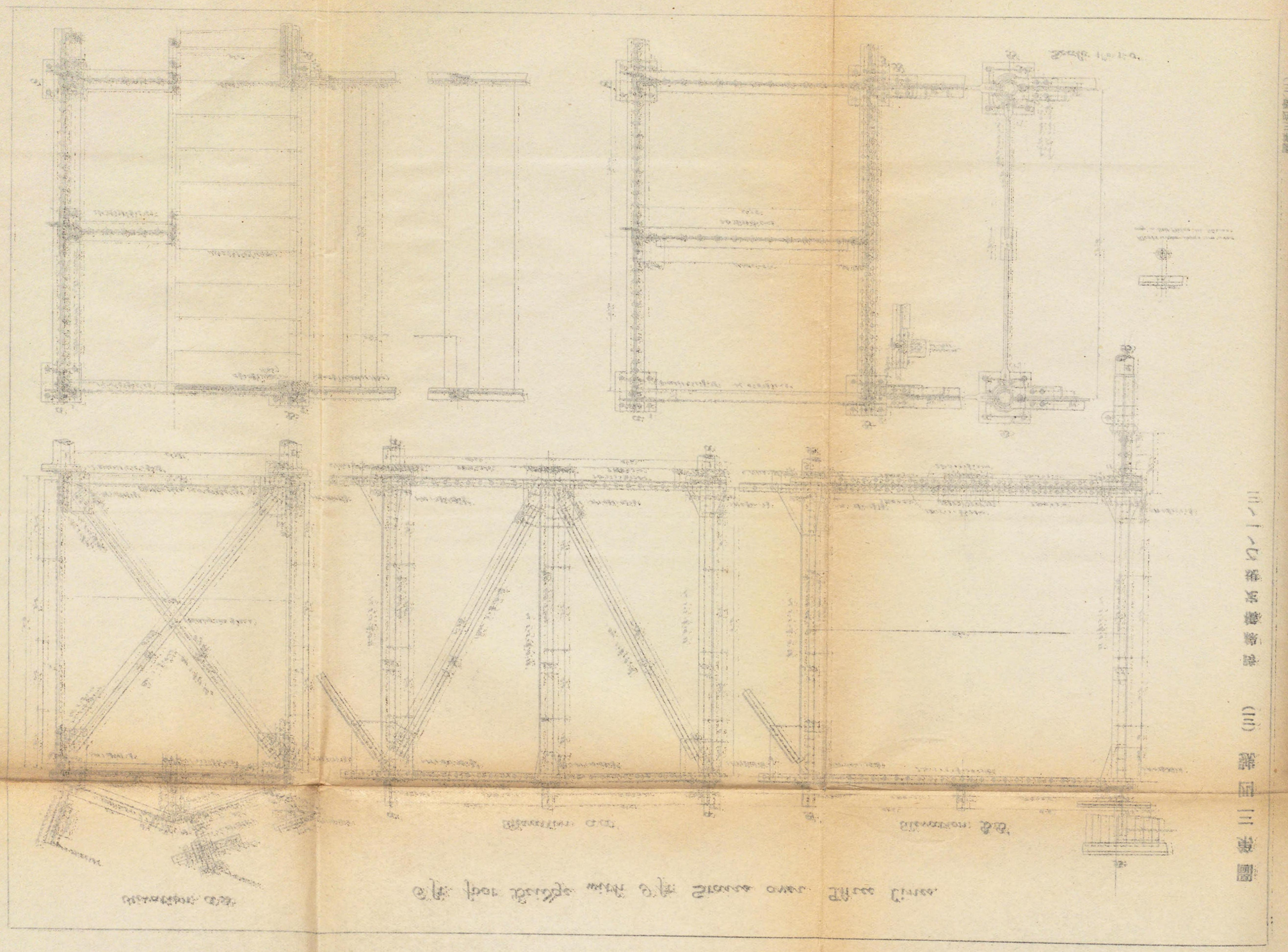

End Floor Beam
(Hinoki or Hiba)
(Hinoki)
(Hinoki or Hiba)
5'-0"


End Floor Beam
I-L Bracket
6'-7½"
a
1
B
2
Stringer
(Hinoki or Hiba)
1'-0"×2½"×7'-0" (Hinoki)
a'
B'
5'-0"

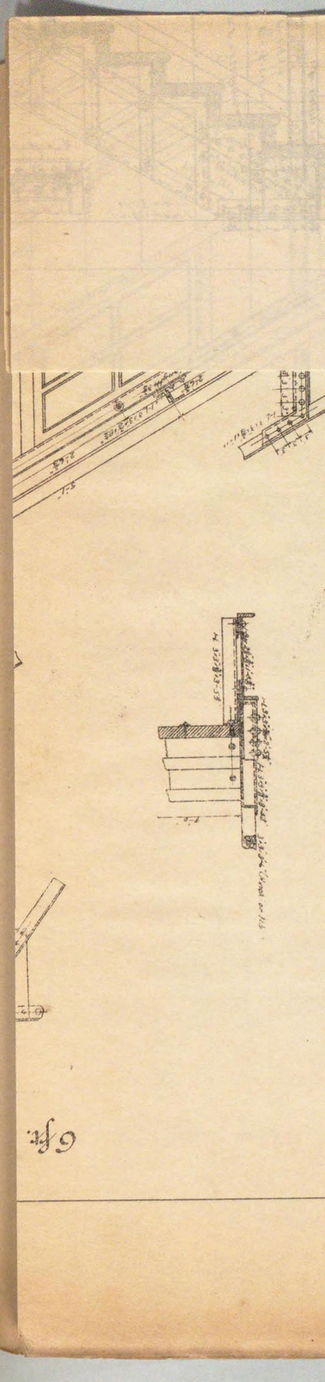


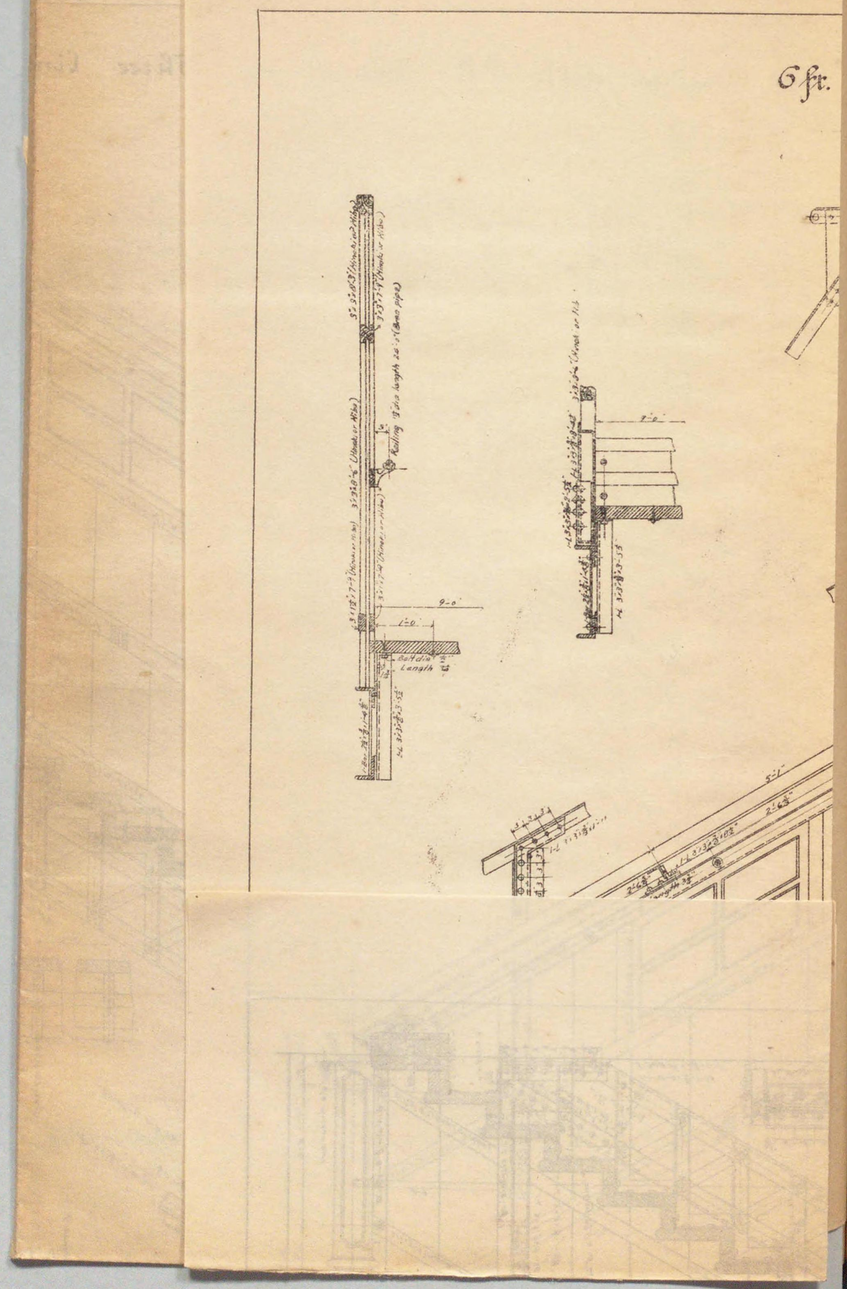
圖第三四號（三）　跨線橋定規乙ノ一ノ三

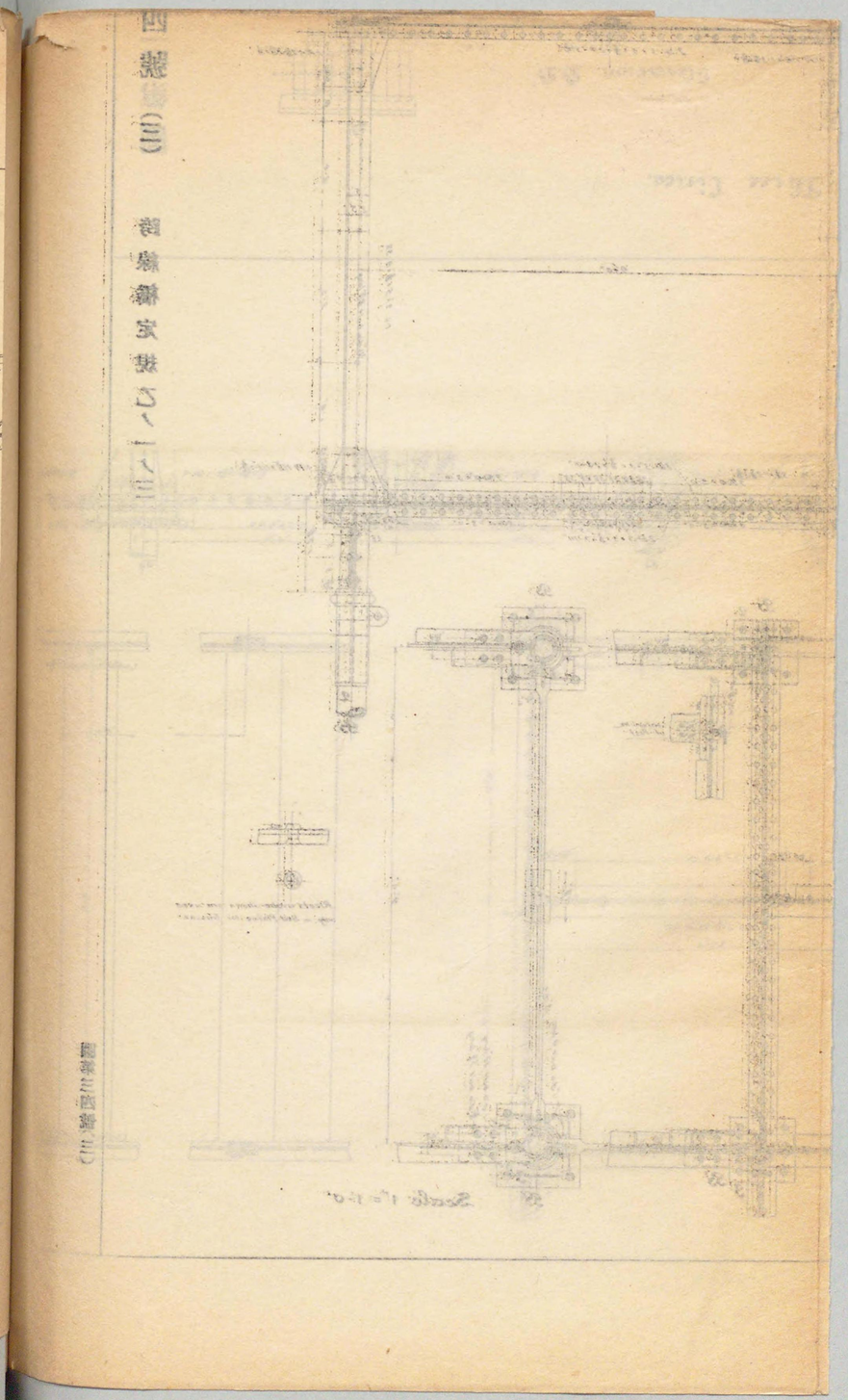
圖第三四號（三）



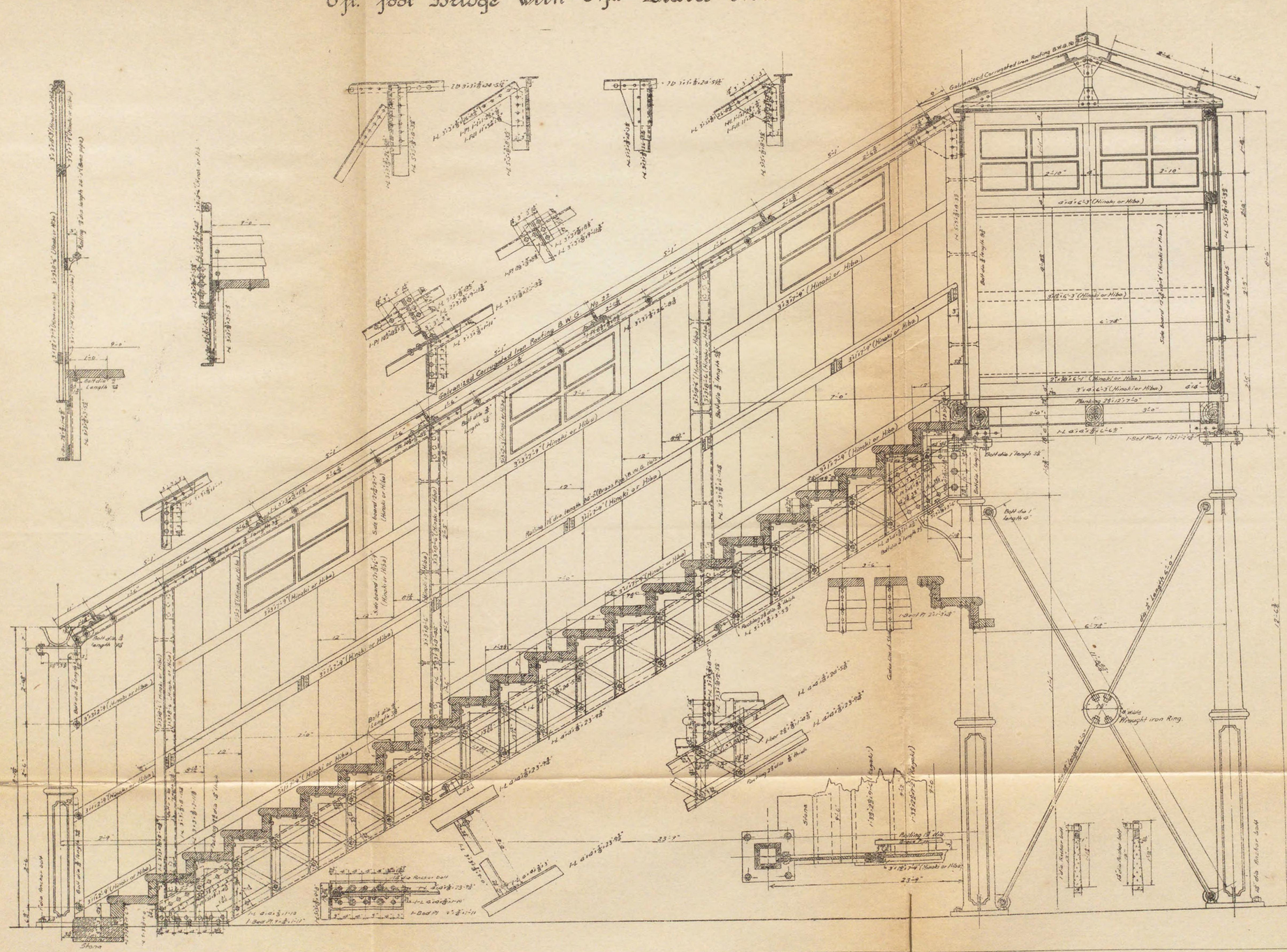
圖第三百號 (三) 鐵道三線 第一八〇號 第一八〇號 第一八〇號




6 ft.
Railing
Length
9-0
2-0

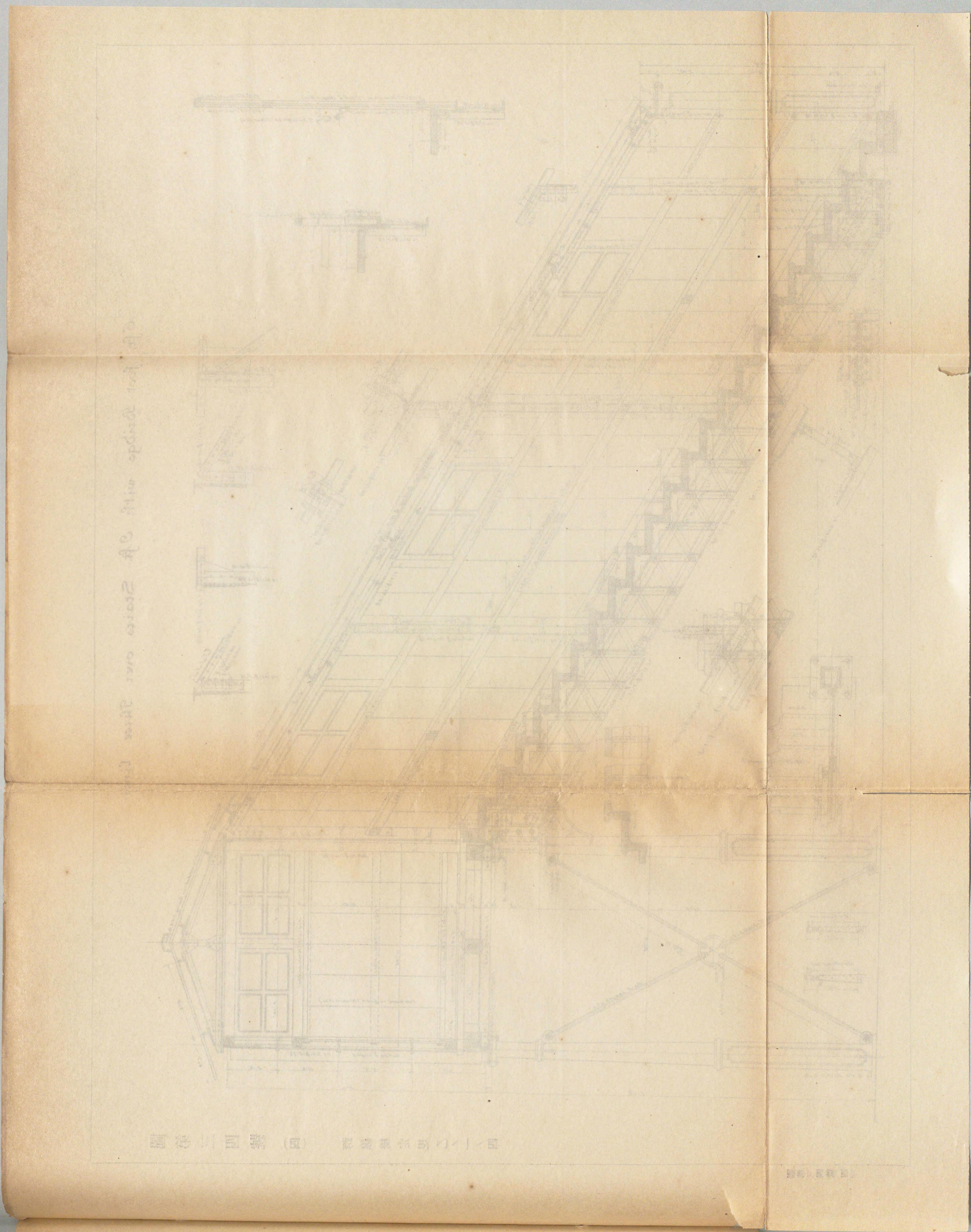

四號圖(二)
Scale 1/2 in. = 1 ft.

6ft. foot Bridge with 9ft. Stairs over Three Lines.

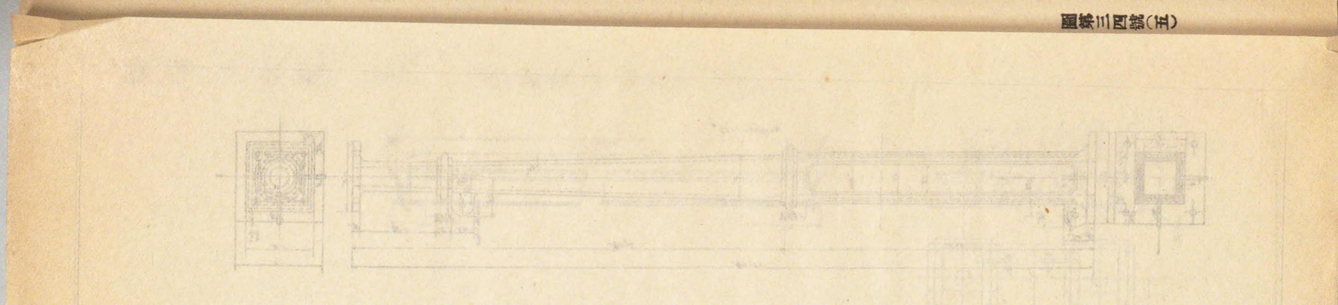


圖第三四號（四）　跨線橋定規乙ノ一ノ四

圖第三四號（四）



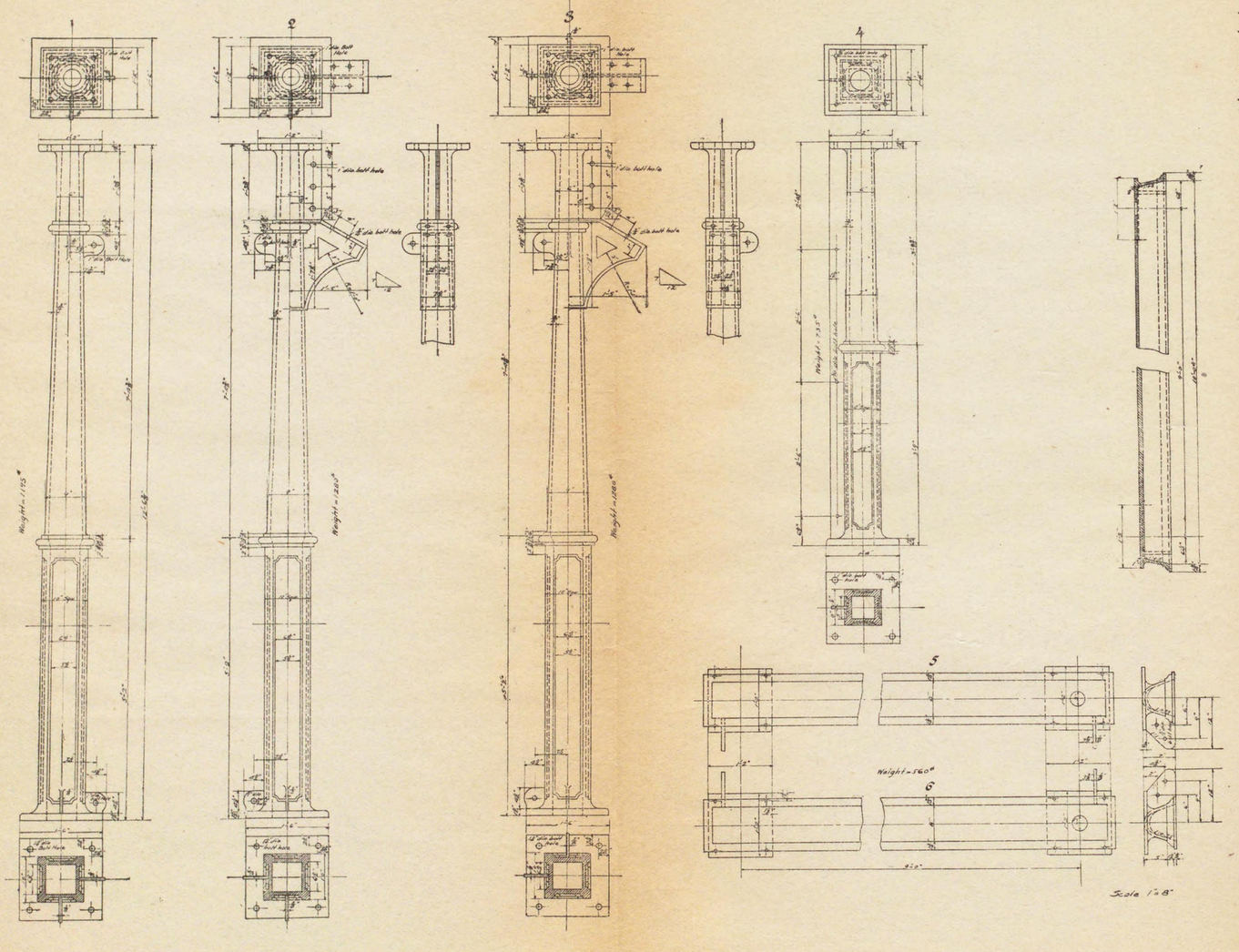
圖第三四號(五)



圖第三四號（五）

圖第三四號（四）

圖第三四號（五）　跨線橋定規乙ノ一ノ五



第圖

Schedule of M

Number	Description	Dimension	Weight in lbs.	Remarks
4	Steel Angles	3"×3"×3/8"×24'-0 3/8"	84	Stop angle
8	Do.	·×·×·×24'-5 1/8"	69	Do.
4	Do.	·×·×·×24'-0"	101	Do.
8	Do.	·×·×·×24'-7"	770	Upper beam
6	Do.	·×·×·×7'-10"	722	Vertical.
16	Do.	·×·×·×1'-6"	212	Gusset angle.
25	Do.	5"×5"×3/8"×8'-3 1/2"	166	Do.
4	Do.	3"×3"×1/2"×9'-3 1/2"	259	Tie angle.
12	Do.	3"×3"×3/8"×9'-3 1/2"	122	Gusset angle.
24	Do.	3 1/2"×3 1/2"×3/8"×6'-6 1/2"	862	Purlin
2	Do.	4"×4"×3/8"×6'-6 1/2"	18	Angle bracket
52	Do.	6"×6"×3/8"×3 1/8"	20	Do.
2	Do.	3"×3"×3/8"×6'-6 1/2"	189	Tie angle.
4	Do.	5"×3"×3/8"×1'-0"	61	Do.
4	Do.	·×·×·×9 1/2"	186	Tie plate.
2	Steel Bars	3"×3/8"×8'-2 3/4"	219	Do.
4	Do.	·×·×9'-2"	19	Filler.
4	Do.	·×·×9'-6 1/4"	80	Gusset plate.
1	Steel Plates	1'-2 3/4"×11 1/4"×3/8"	15	Filler.
3	Do.	1'-2 3/4"×8 3/4"×3/8"	154	Gusset plate.
1	Do.	10 1/4"×8 1/2"×3/8"	38	Do.
3	Do.	1'-8"×1'-3 1/2"×3/8"	255	Bent plate
1	Do.	1'-8"×1'-9 1/4"×3/8"	176	Bed plate.
4	Do.	1'-5 3/4"×1'-2"×3/8"	35	Packing.
4	Do.	1'-3 3/4"×1'-1 1/4"×3/8"	3	Do.
4	Do.	1'-2"×11 1/4"×3/8"	296	Lacing bar.
4	Do.	11 3/4"×1'-1"×3/8"	200	Washer for 3/4" dia. bolt.
4	Do.	1'-1 3/4"×11 1/4"×3/8"	634	for Truss & stair.
4	Do.	1'-5 3/4"×1'-2 3/4"×3/8"	73	for Roof
1	Do.	1'-4 3/4"×1'-5 3/4"×3/8"	18	for Vertical of Truss.
4	Do.	1'-7"×1'-7"×3/8"	194	for Stringer
4	Do.	1'-5"×1'-5 1/2"×3/8"	123	for Stringer & Vertical of stair.
4	Do.	1'-3"×1'-6 1/4"×3/8"	69	for Vertical of Truss.
4	Do.	1'-2"×1'-6 1/2"×3/8"	8	for upper beam.
4	Do.	1'-2 3/4"×9 1/2"×3/8"	36	Do.
4	Do.	1'-1 1/2"×9 1/2"×3/8"	24	for Short post.
4	Do.	5"×1'-0"×3/4"	12	for Long post.
4	Do.	5"×9"×3/4"	80	for Stop angle.
8	Do.	1'-2"×1'-2"×3/4"	66	for Long post.
4	Do.	3" dia.×3/8"	61	for Bed plate.
14	Steel Angles	2 1/2"×2 1/2"×1/4"×7'-1 1/4"	21	for Long post.
28	Do.	·×·×·×3'-10"	89	for Short post.
56	Do.	·×·×·×7"	478	for Long post & end of stair.
8	Do.	·×·×·×25'-0 1/4"	436	Tie rod
4	Do.	·×·×·×24'-0 1/2"	481	Do.
8	Do.	·×·×·×1'-2"	43	for Tie rod.
28	Steel Plates	12"×11"×3/8"	28835	= 12^t 17^c 1^a 23^lbs.
28	Do.	12 3/4"×5 7/8"×1/4"		
14	Do.	6 1/2"×6"×1/4"	162	= 0^t 1^c 1^a 22^lbs.
14	Do.	7"×9"×1/4"	70	Shape A & B
56	Do.	7"×8"×1/4"	4780	
14	Steel Bars	2 1/2"×1/4"×11 5/8"	5120	
6	Steel Angles	4"×4"×3/8"×23'-9 3/4"	2940	
6	Do.	·×·×·×24'-5 1/8"	1120	
6	Do.	·×·×·×1'-4 3/4"	4030	= 6^t 5^c 1^a 2^lbs.
6	Do.	·×·×·×1'-10"		
108	Do.	3"×3"×3/8"×3'-5 1/2"	293	= 0^t 2^c 2^a 13^lbs.

圖第三四號（六）

第圖

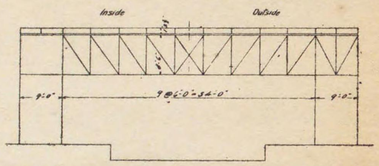
Schedule of M

Number	Description	Dimension	Weig	Weight in lbs.	Remarks.
4	Steel Angles	3"×3"×3/8"×24'-0 1/8"		84	Stop angle
8	Do.	·×·×·×24'-5 1/8"		69	Do.
4	Do.	·×·×·×24'-0"		101	Do.
8	Do.	·×·×·×24'-7"		770	Upper beam.
6	Do.	·×·×·×7'-10"		722	Vertical.
16	Do.	·×·×·×1'-6"		212	Gusset angle.
25	Do.	5"×5"×5/8"×8'-3 1/2"		166	Do.
4	Do.	3"×3"×1/2"×9'-3 1/2"		259	Tie angle.
18	Do.	3"×3"×3/8"×9'-3 1/2"		122	Gusset angle.
24	Do.	3 1/2"×3 1/2"×3/8"×6'-6 1/2"		862	Purlin
2	Do.	4"×4"×3/8"×6'-6 1/2"		18	Angle bracket
52	Do.	6"×6"×3/8"×3 1/8"		20	Do.
2	Do.	3"×3"×3/8"×6'-6 1/2"		189	Tie angle
4	Do.	5"×3"×3/8"×1'-0"		61	Do.
4	Do.	·×·×·×9 1/2"		186	Tie plate.
2	Steel Bars	3"×3/8"×8'-2 3/4"		219	Do.
4	Do.	·×·×9'-2"		19	Filler.
4	Do.	·×·×9'-6 3/4"		80	Gusset plate.
1	Steel Plates	1'-2 3/4"×11 1/4"×3/8"		15	Filler.
3	Do.	1'-2 3/4"×8 3/4"×3/8"		154	Gusset plate.
1	Do.	10 1/4"×8 1/2"×3/8"		38	Do.
3	Do.	1'-8"×1'-3 1/2"×3/8"		255	Bent plate
1	Do.	1'-8"×1'-9 1/4"×3/8"		176	Bed plate.
4	Do.	1'-5 3/4"×1'-2"×3/8"		35	Packing.
4	Do.	1'-3 3/4"×1'-1 1/4"×3/8"		3	Do.
4	Do.	1'-2"×11 1/4"×3/8"		296	Lacing bar.
4	Do.	11 3/4"×1'-1"×3/8"		200	Washer for 3/4" dia. bolt.
4	Do.	1'-1 3/4"×11 1/4"×3/8"		634	for Truss & stair.
4	Do.	1'-5 3/4"×1'-2 3/4"×3/8"		73	for Roof
1	Do.	1'-4 3/4"×1'-5 3/4"×3/8"		18	for Vertical of Truss.
4	Do.	1'-7"×1'-7"×3/8"		194	for Stringer
4	Do.	1'-5"×1'-5 1/2"×3/8"		123	for Stringer & Vertical of Stair.
4	Do.	1'-3"×1'-4 1/4"×3/8"		69	for Vertical of Truss.
4	Do.	1'-2"×1'-6 1/2"×3/8"		8	for upper beam.
4	Do.	1'-2 3/4"×9 1/2"×3/8"		36	Do.
4	Do.	1'-1 1/2"×9 1/2"×3/8"		24	for Short post.
4	Do.	5"×1'-0"×3/4"		12	for Long post.
4	Do.	5"×9"×3/4"		80	for Stop angle.
8	Do.	1'-2"×1'-2"×3/4"		66	for Long post.
4	Do.	3" dia.×3/8"		61	for Bed plate.
14	Steel Angles	2 1/2"×2 1/2"×1/4"×7'-1 1/4"		21	for Long post.
28	Do.	·×·×·×3'-10"		89	for Short post.
56	Do.	·×·×·×7"		478	for Long post & end of stair.
8	Do.	·×·×·×25'-0 1/2"		436	Tie rod
4	Do.	·×·×·×24'-0 1/2"		481	Do.
8	Do.	·×·×·×1'-2"		43	for Tie rod.
28	Steel Plates	12"×11"×3/8"		28835	= 12^t. 17^c. 1^a. 23^lbs.
28	Do.	12 1/4"×5 3/8"×1/4"			
14	Do.	6 1/2"×6"×1/4"		162	= 0^t. 1^c. 1^a. 22^lbs.
14	Do.	7"×9"×1/4"		70	Shape A & B
56	Do.	7"×8"×1/4"		4780	
14	Steel Bars	2 1/2"×1/4"×11 5/8"		5120	
6	Steel Angles	4"×4"×3/8"×23'-9 3/4"		2940	
6	Do.	·×·×·×24'-5 3/8"		1120	
6	Do.	·×·×·×1'-4 3/4"		4030	= 6^t. 5^c. 1^a. 2^lbs.
6	Do.	·×·×·×1'-10"			
108	Do.	3"×3"×3/8"×3'-5 1/2"		293	= 0^t. 2^c. 2^a. 13^lbs.

圖第三四號(六)

圖第三四號 (六) 跨線橋定規乙ノ一ノ六

6 ft. Foot Bridge with 9 ft. Stairs over Three Lines.



Allowable Tensile Strength of Steel on net Section = 15000 ℔/□"
Allowable Compressive " " gross " = 15000 − 70 l/r ℔/□"
Allowable Shearing strength - field driven rivets and turned bolts = 10000 ℔/□"
Allowable Bearing " " " " = 20000 ℔/□"

Span of Truss = 54'-0"
Clear width of Truss = 6'-0"
Distance C to C of Truss = 6'-7½"
Height of Truss = 8'-6"
Clear width of stair = 9'-0"
Span of Roof Truss = 6'-7½"
Height = 1'-3½"
Live load (crowd) = 100 ℔/□'
Impact = 25 % of live load
Dead load per panel per Truss = 1,100 " "
Snow load = 20 ℔/□'
Wind load = 22.5 % of exposed surface

Note :- All rivets ⅞" dia. except ⅝" dia rivets in 2½" angles.

Three Stairs.

Schedule of Materials for One Span and Three Stairs (Over Three lines)

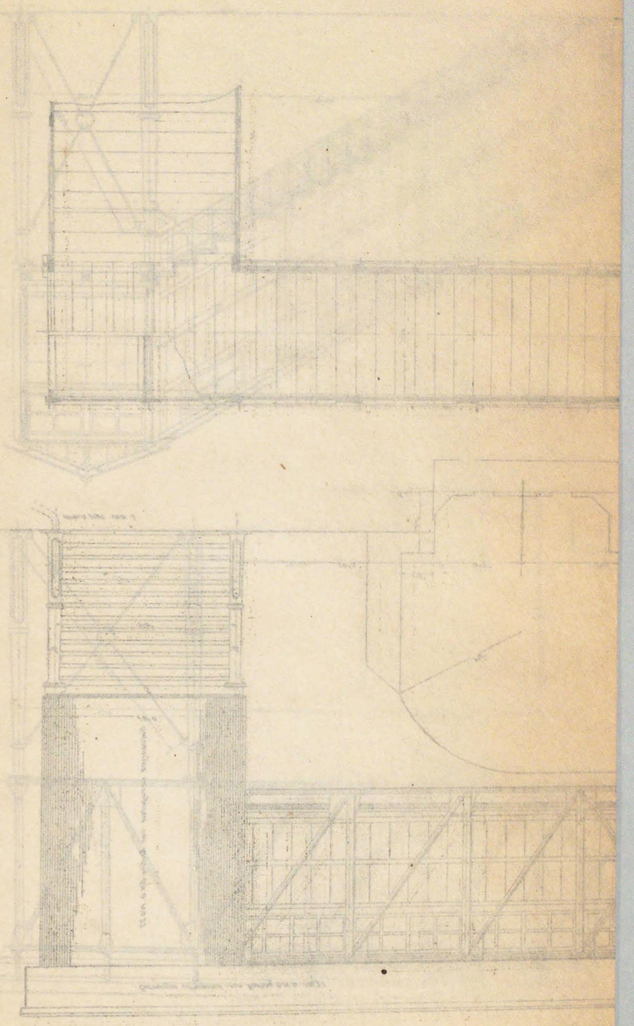
Number	Description	Dimension	Weight in lbs	Remarks	Number	Description	Dimension	Weight in lbs	Remarks
4	Steel Angles	3"×3"×⅜"×24'-0"	692	Upper chord	6	Steel Angles	3"×3"×⅜"×7'-7"	184	Step angle
8	Do	" " " "	1410	Do	6	Do	" " " 2'-11⅝	126	Do
4	Do	" " " 24'-0"	691	Lower chord	6	Do	" " " 3'-6	151	Do
8	Do	" " " 24'-7"	1416	Do	6	Do	" " " 2'-6⅛"	1155	Upper beam
6	Do	" " " 7'-10"	338	Splice Angle	18	Do	" " " 3'-6⅝	1883	Vertical
16	Do	" " " 11'-6"	373	Do	18	Do	" " " 2'-5½	319	Gusset angle
22	Do	2½"×2½"×⅜"×4'-3⅜"	255	Vertical	10	Do	" " " 1'-11"	267	Do
4	Do	3"×3"×⅜"×9'-5"	349	Diagonal	4	Do	" " " 8'-0"	389	Tie angle
18	Do	3"×3"×⅜"×8'-3⅜"	843	Do	36	Do	" " " 6'-8⅞"	184	Gusset angle
24	Do	3½"×3½"×⅜"×6'-6"	1335	Floor beam	18	Do	" " " 9'-11⅜"	1883	Purlin
2	Do	6"×4"×⅜"×6'-0"	128	Do	12	Do	3"×2½"×⅜"×0'-6"	26	Angle bracket
32	Do	6"×6"×⅜"×3'-0"	292	Angle bracket	12	Do	6"×6"×⅜"×0'-3"	29	Do
2	Do	3"×3"×⅜"×6'-6"	96	Sway bracing	3	Do	3"×3"×⅜"×7'-8"	246	Tie angle
6	Do	5"×3"×⅜"×1'-6"	39	Connecting angle	3	Do	2"×2"×⅜"×9'-6"	91	Do
4	Do	" " " "	31	Do	6	Steel Plates	1'-3½"×2'-6⅝"×⅜"	278	Tie plate
2	Steel Bars	3"×⅜"×1'-2⅜"	63	Diagonal	6	Do	2'-6½"×1'-9"×⅜"	328	Do
4	Do	" " " 9'-5"	169	Do	6	Do	4"×1'-1⅜"×⅜"	29	Filler
4	Do	" " " 9'-6"	166	Sway bracing	6	Do	1'-2½"×1'-1"×⅜"	128	Gusset plate
1	Steel Plates	1'-2⅜"×11⅜"×⅜"	18	Gusset plate	6	Do	11"×3⅜"×⅜"	23	Filler
3	Do	1'-2⅜"×8⅜"×⅜"	61	Do	36	Do	8⅞"×8⅞"×⅜"	230	Gusset plate
1	Do	10⅜"×8⅛"×⅜"	9	Do	6	Do	10⅜"×8⅛"×⅜"	57	Do
3	Do	1'-2"×1'-3⅜"×⅜"	89	Do	18	Do	2"×1'-3"×⅜"	383	Beat plate
1	Do	1'-5"×1'-9⅜"×⅜"	65	Do	6	Do	1'-11"×9"×⅜"	244	Beat plate
4	Do	1'-5⅜"×1'-2"×⅜"	106	Do	187	Do	2⅞" dia.×⅜"	53	Packing
4	Do	1'-3⅜"×1'-1⅜"×⅜"	89	Do	12	Do	2⅝" dia.×½"	6	Do
4	Do	1'-2"×11⅜"×⅜"	87	Do	102	Steel Bars	2⅞"×⅜"×1'-4⅜"	444	Lacing bar
4	Do	1'-1⅜"×1'-1"×⅜"	650	Do	723	Steel Plates	2⅞" dia.×⅝"	221	Washer for ⅞" dia bolt
4	Do	1'-1⅜"×11⅜"×⅜"	86	Do	5826	Rivets	⅞" dia Rivet heads	728	for Truss & Stair
4	Do	1'-3⅜"×1'-3⅜"×⅜"	111	Do	1788	Do	1⅛" dia Rivet heads	173	for Roof.
1	Do	1'-4⅜"×1'-5⅜"×⅜"	31	Do	18	Bolts	⅞" dia x 4½"	27	for Verticel of Truss.
4	Do	1'-7"×1'-7"×⅜"	136	Do	166	Do	" x 7⅞	196	for Stringer
4	Do	1'-5"×1'-5⅜"×⅜"	126	Do	126	Do	" x 5⅜	166	for Stringer & Vertical of Stair
4	Do	1'-5"×1'-6⅜"×⅜"	106	Do	57	Do	" x 5"	60	for Vertical of Truss
4	Do	1'-2"×1'-5⅜"×⅜"	110	Do	12	Do	" x 6⅝"	12	for upper beam
4	Do	1'-2⅜"×9"×⅜"	66	Do (Sway bracing)	60	Do	" x 3⅜"	56	Do
4	Do	1'-1⅜"×9⅞"×⅜"	85	Do (Do)	62	Do	" x 3⅜"	35	for Short post
4	Do	5" × 1'-0"×⅜"	51	Filler (Do)	24	Do	" x 2⅞"	18	for Long post
4	Do	5" × 9" ×⅜"	38	Do (Do)	171	Do	¾" dia. x 3½"	120	for Step angle
8	Do	1'-2"×1'-2"×⅜"	333	Bed plate	32	Do	1" dia. x 4"	64	for Long joint
4	Do	3" dia.×⅜"	3	Packing	32	Do	" x 3⅜"	61	for Bed plate
16	Steel Angles	2½"×2½"×2½"×11⅜"	668	Roof	18	Do	" x 2⅝"	31	for Long post
28	Do	" " " x3'-10"	660	Do	22	Anchor bolts	" x 1'-11⅝"	133	for short post
56	Do	" " " " 7"	136	Do	36	Do	1⅛ dia x 1'-2"	558	for Long post and End of Stair
8	Do	" " " x25'-7⅝"	821	Purlin	16	Rods	" x 6'-6"	636	The rod
6	Do	" " " x24'-0½"	396	Do	16	Do	" x 6'-0"	691	Do
6	Do	" " " x 1'-2	38	Splice angle	32	Nuts		43	for Tie rod
28	Steel Plates	12"×11"×⅜"	393	Gusset plate			Total=	14136	= 15° 2" 3" 22½"
28	Do	12⅜"×5⅞"×⅜"	163	Do					
16	Do	6⅞"×6"×⅜"	39	Do	6	Brass Pipe	1⅝" dia.×24'-6"	263	= 0° 1° 0° 17½
16	Do	7"×9"×⅜"	62	Do	42	C.I. Brackets		105	Shape A & B
36	Do	7"×8"×⅜"	222	Do	2	Cast iron Pedt.	1	2390	
16	Steel Bars	2½"×⅜"×11'-9"	29	Roof	382	Do	2'-3	7460	
6	Steel Angles	6"×6"×⅜"×23'-9⅜"	2242	Stair angle	6	Do	4	4410	
6	Do	"×"×"×24'-5⅜"	2305	Do	3	Cast iron Trough	3'-6	1680	
6	Do	"×"×"×1'-4⅜"	131	Do			Total=	16265	= 7° 5° 0° 35½"
6	Do	"×"×"×1'-10	173	Do					
108	Do	3"×3"×⅜"×3'-5⅝"	2689	Step angle	8	Wrought iron Rings		293	= 0° 2° 2" 13½"

Two Stairs.

Schedule of Materials for One Span and Two Stairs (Over Three lines)

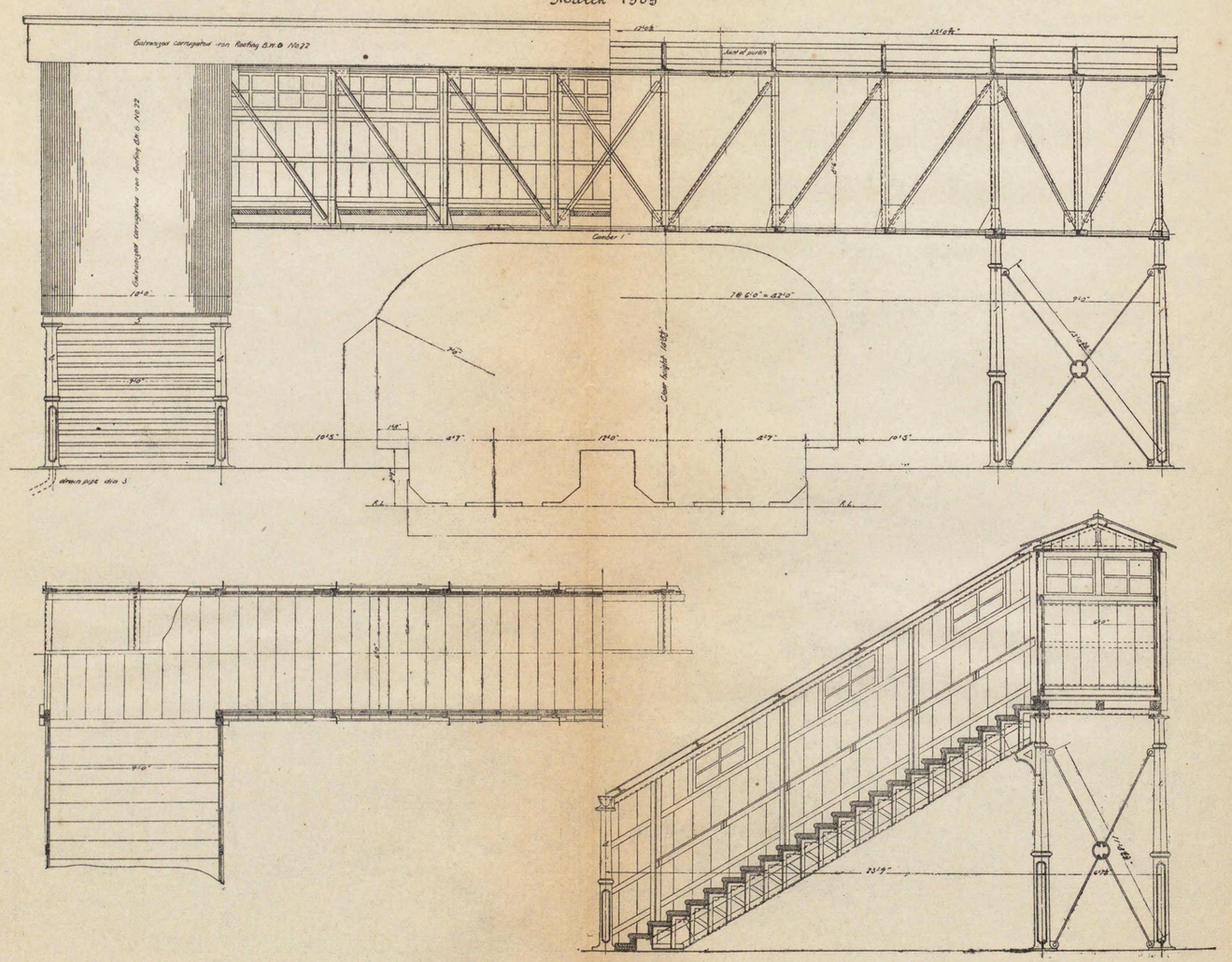
Number	Description	Dimension	Weight in lbs	Remarks	Number	Description	Dimension	Weight in lbs	Remarks
4	Steel Angles	3"×3"×⅜"×24'-0"	692	Upper chord	4	Steel Angles	3"×3"×⅜"×7'-11⅜	114	Step angle
8	Do	" " " "	1410	Do	4	Do	" " " 2'-6⅝	69	Do
4	Do	" " " 24'-0"	691	Lower chord	4	Do	" " " 3'-6	181	Do
8	Do	" " " 24'-7"	1416	Do.	4	Do.	" " " 2'-6⅛"	776	Upper beam
4	Do.	" " " 7'-10"	276	Splice angle	12	Do.	" " " 2'-5½	722	Vertical
14	Do	" " " 2'-6"	773	Do.	12	Do	" " " 2'-5½	212	Gusset angle
26	Do	3"×3"×⅜"×11'-10"	2487	Vertical	12	Do.	" " " 1'-11"	164	Do
4	Do	3"×3"×⅜"×9'-5"	349	Diagonal	4	Do.	" " " 8'-0"	259	Tie angle
12	Do	3"×3"×⅜"×9'-3⅝"	803	Do.	24	Do.	" " " 6'-8⅞"	122	Gusset angle
24	Do	3½"×3½"×⅜"×6'-6"	1335	Floor beam	12	Do.	" " " 9'-11⅜"	862	Purlin
2	Do	6"×4"×⅜"×6'-0"	128	Do.	8	Do.	3"×2½"×⅜"×0'-6"	18	Angle bracket
32	Do	6"×6"×⅜"×3'-0"	292	Angle bracket	8	Do.	6"×6"×⅜"×0'-3"	28	Do
2	Do	3"×3"×⅜"×6'-6"	96	Sway bracing	2	Do.	5"×3"×⅜"×7'-8"	189	Tie angle
4	Do	5"×3"×⅜"×1'-6"	39	Connecting angle	2	Do.	2"×2"×⅜"×9'-6"	61	Do
4	Do	" " " "	31	Do.	4	Steel Plates	1'-3½"×2'-6⅝"×⅜"	186	Tie plate
4	Steel Bars	3"×⅜"×1'-2⅜"	126	Diagonal	4	Do.	2'-6½"×1'-9"×⅜"	219	Do
4	Do	" " " 9'-5"	169	Do.	4	Do.	4"×1'-1⅜"×⅜"	19	Filler
4	Do.	" " " 9'-6"	166	Sway bracing	4	Do.	1'-2½"×1'-1"×⅜"	85	Gusset plate
2	Steel Plates	1'-2⅜"×11⅜"×⅜"	37	Gusset plate	6	Do.	11"×3⅜"×⅜"	15	Filler
2	Do	1'-2⅜"×11⅜"×⅜"	35	Do.	22	Do.	8⅞"×8⅞"×⅜"	154	Gusset plate
2	Do.	10⅜"×8⅞"×⅜"	19	Do.	6	Do.	10⅜"×8⅞"×⅜"	38	Do
120	Do.	1'-3"×1'-3⅜"×⅜"	66	Do.	4	Do.	2"×1'-3"×⅜"	255	Beat plate
2	Do.	1'-8"×1'-9⅜"×⅜"	90	Do.	4	Do.	1'-11"×9"×⅜"	172	Bed plate
4	Do.	1'-5⅜"×1'-2"×⅜"	186	Do.	61	Do.	2⅞" dia.×⅜"	35	Packing
4	Do.	1'-3⅜"×1'-1⅜"×⅜"	89	Do.	8	Do.	2⅝" dia.×½"	8	Do
4	Do.	1'-1⅜"×11⅜"×⅜"	66	Do.	68	Steel Bars.	2⅞"×⅜"×1'-4⅜"	296	Lacing bar
4	Do.	1'-2"×11⅜"×⅜"	67	Do.	136	Steel Plates	2⅞" dia.×⅝"	200	Washer for ⅞" dia. bolt
4	Do.	11⅜"×1'-1"×⅜"	65	Do.	5182	Rivets	⅞" dia. Rivet heads	690	for Truss & Stair
2	Do.	1'-6⅜"×1'-5⅜"×⅜"	61	Do.	1788	Do	1⅛" dia Rivet heads	173	for Roof.
4	Do.	1'-5⅜"×1'-3⅜"×⅜"	111	Do.	12	Bolts	⅞" dia.×2¾"	18	for Vertical of Truss.
4	Do.	1'-7"×1'-7"×⅜"	154	Do.	164	Do.	" x 7⅞	196	for Stringer
4	Do.	1'-5"×1'-5⅜"×⅜"	126	Do.	108	Do.	" x 5⅜	123	for Stringer & Vertical of Stair
4	Do.	1'-3½"×1'-6⅜"×⅜"	106	Do.	66	Do.	" x 5"	69	for Vertical of Truss.
4	Do.	1'-2"×1'-5⅜"×⅜"	110	Do.	8	Do.	" x 6⅝"	8	for upper beam.
4	Do.	1'-2⅜"×9"×⅜"	66	Do (Sway bracing)	40	Do.	" x 3⅜"	36	Do
4	Do.	1'-1⅜"×9"×⅜"	55	Do. (Do.)	28	Do.	" x 3⅜"	26	for Short post
4	Do.	5" x 1'-0"×⅜"	51	Filler. (Do.)	16	Do.	" x 2⅞"	12	for Long post
4	Do.	5" x 9" x ⅜"	38	Do. (Do.)	252	Do.	¾ dia. x 3½"	80	for Step angle
8	Do.	1'-2½"×1'-2"	333	Bed plate.	32	Do.	1 dia. x 4"	64	for Long joint
4	Do.	3 dia.×⅜"	3	Packing	32	Do.	" x 3⅜"	61	for Bed plate
14	Steel Angles	2½"×2½"×2½"×11⅜"	668	Roof	12	Do.	" x 2⅞"	21	for Long post
28	Do.	" " " x3'-10"	660	Do.	16	Anchor bolts	" x 1'-11⅝"	89	for short post
56	Do.	" " " "	136	Do.	68	Do.	1⅛" dia. x 1'-2"	673	for Long post & end of stair
8	Do.	" " " x25'-7⅝"	821	Purlin	16	Rods	" x 6'-6	636	The rod
6	Do.	" " " x24'-0½"	396	Do.	16	Do.	" x 6'-0"	691	Do.
8	Do.	" " " x 1'-2"	38	Splice angle	32	Nuts		43	for Tie rod
28	Steel Plates	12"×11"×⅜"	393	Gusset plate			Total=	28835	= 12° 17" 7° 23½"
28	Do.	12⅜"×5⅞"×⅜"	163	Do.					
16	Do.	6⅞"×6"×⅜"	39	Do.	4	Brass pipe	1⅝" dia.×24'-6"	162	= 0° 1° 0° 17½
16	Do.	7"×9"×⅜"	62	Do.	28	C.I. Brackets		70	Shape A & B
56	Do	7"×8"×⅜"	223	Do.	4	Cast iron pedt.	1	4780	
14	Steel Bars	2½"×⅜"×11'-9"	29	Roof	242	Do	2'-3	5120	
8	Steel Angles	6"×6"×⅜"×23'-9⅜"	1648	Stair angle	4	Do	4	2940	
4	Do.	"×"×"×24'-5⅜"	1537	Do	2	Cast iron trough	3'-6	1120	
4	Do.	"×"×"×1'-4⅜"	88	Do.			Total=	19030	= 6° 5° 1° 2½"
4	Do.	"×"×"×1'-10"	115	Do.					
72	Do.	3"×3"×⅜"×3'-5⅝"	1798	Step angle	8	Wrought iron Rings		293	= 0° 2° 2" 13½"

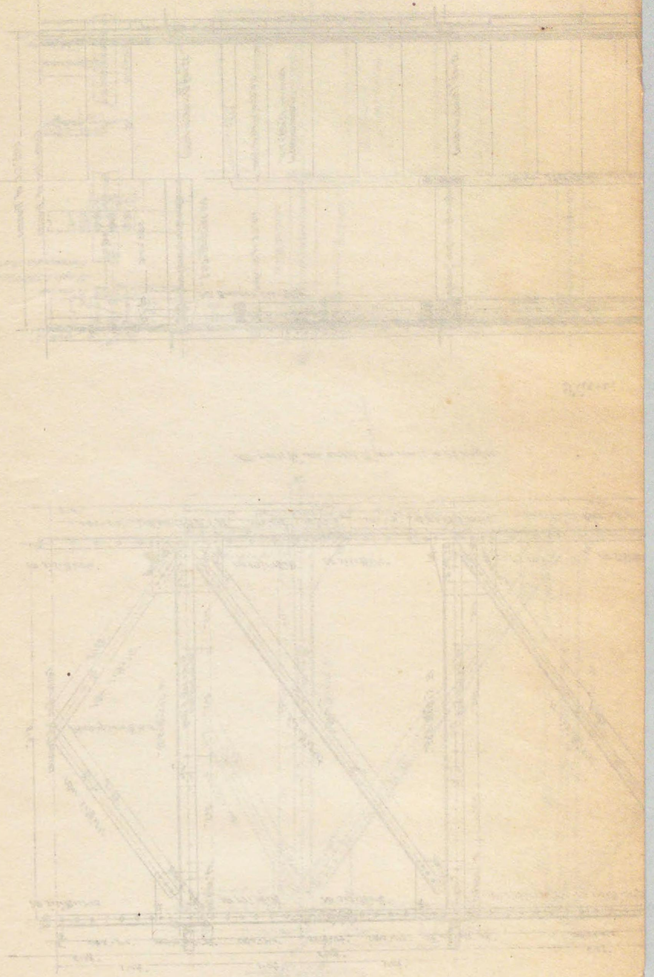
圖第三四號(六)

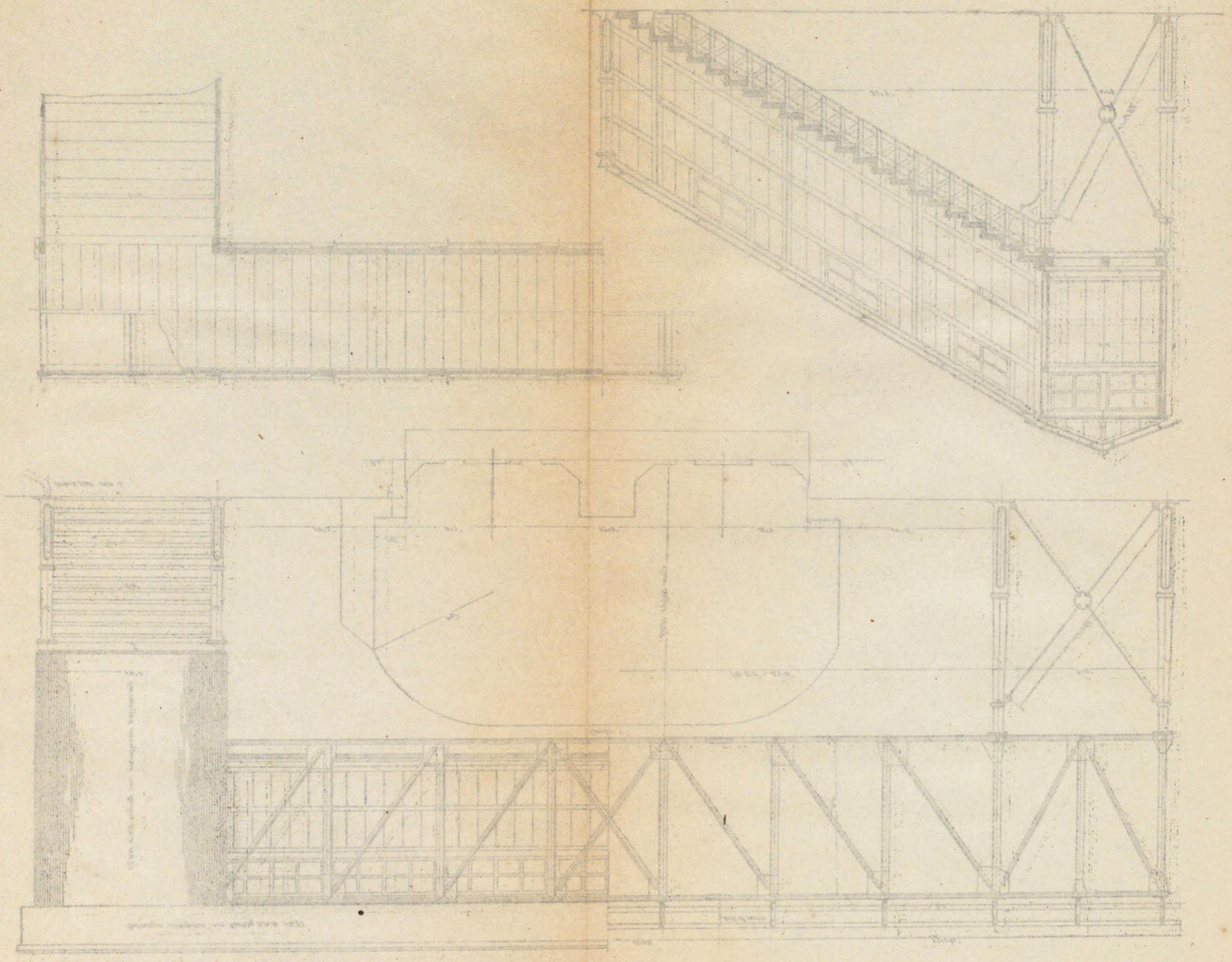


圖第三四號（七）

圖第三四號（七）　跨線橋定規乙ノ二ノ一







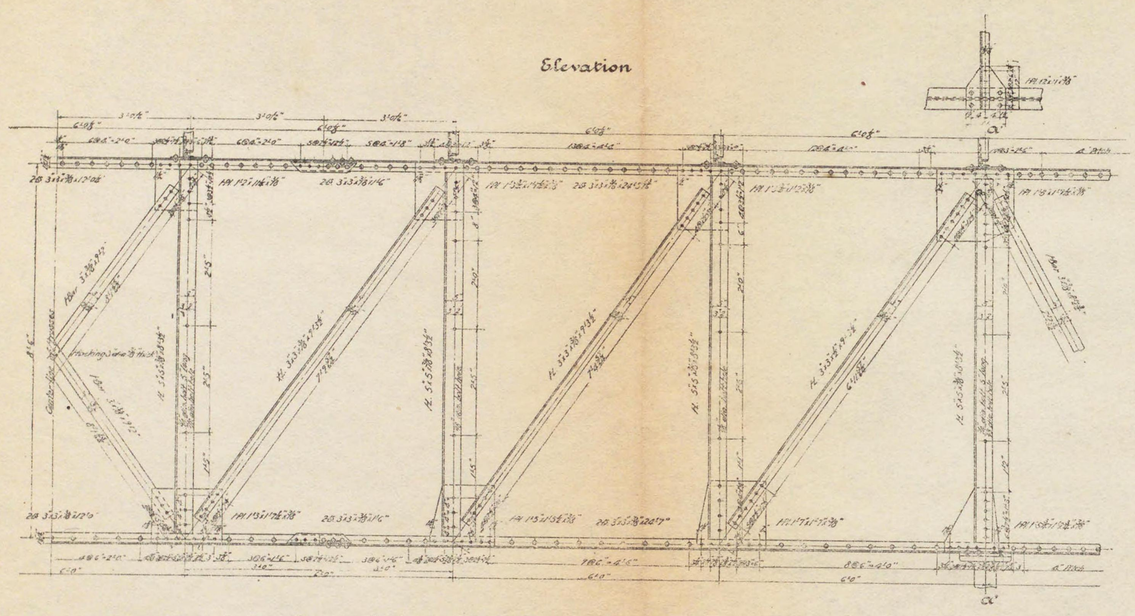
圖第三四號（八）

圖第三四號（七）

圖第三四號（八）　跨線橋定規　乙ノ二ノ二

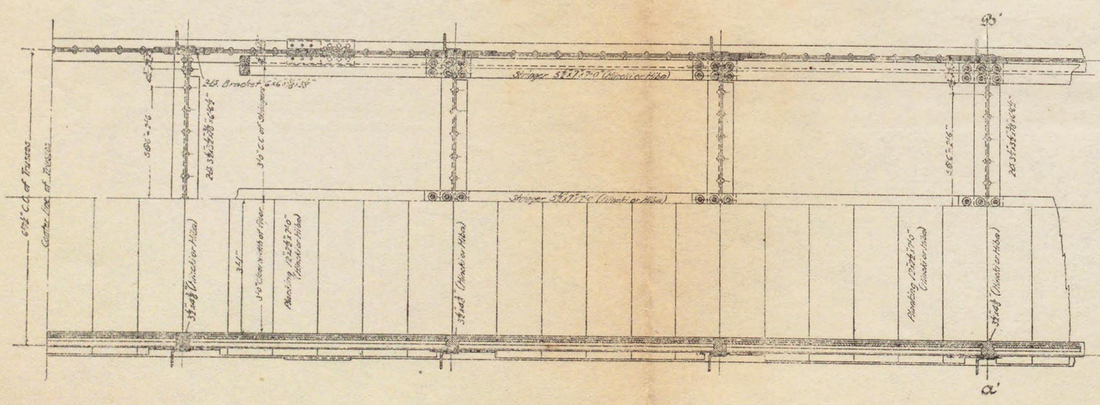
6 ft. foot Bridge with 9 ft. Stairs over Two Line

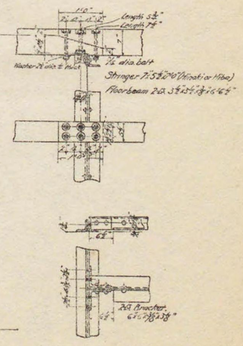
Elevation



All rivets ¾" dia. except ⅞" dia. rivets in ⅞" angles.

Plan.

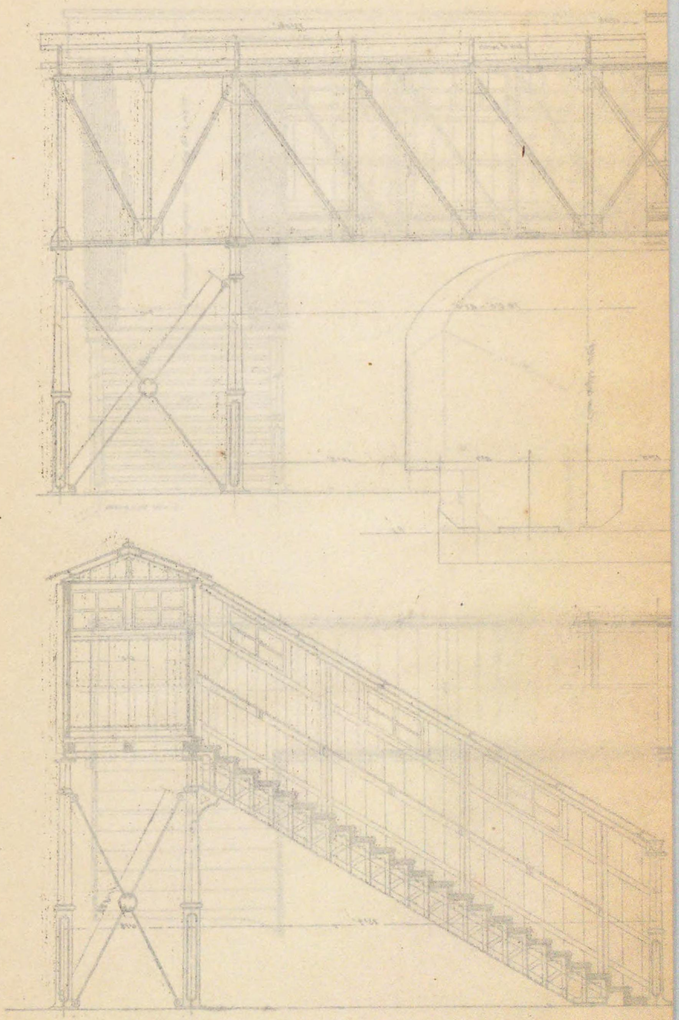


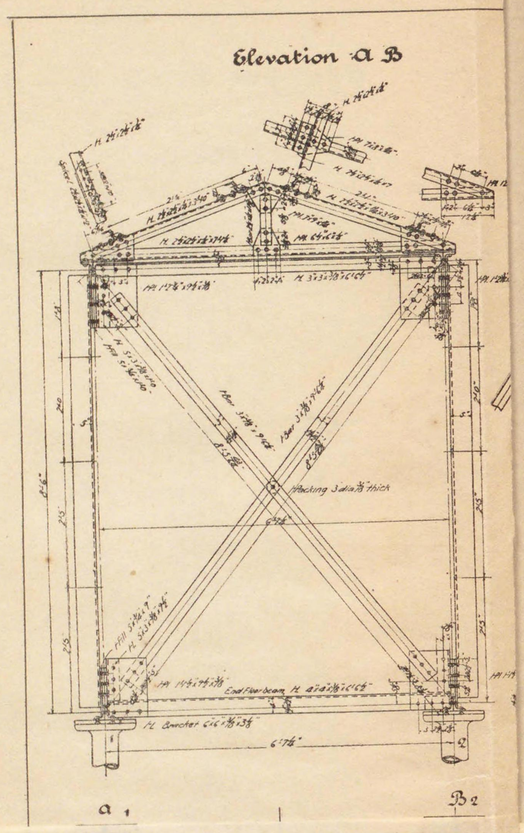


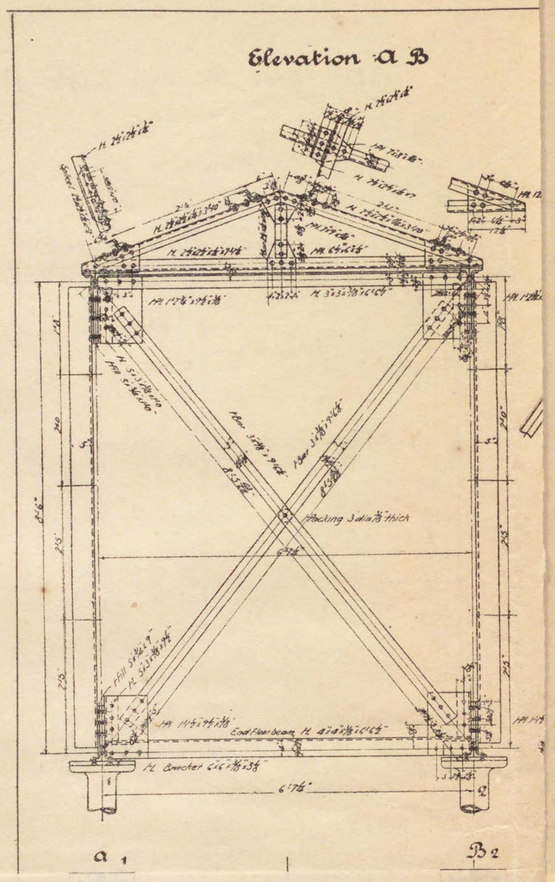
Scale 1"= 1'-0"

圖第三四號（八）

圖第三四號（七）



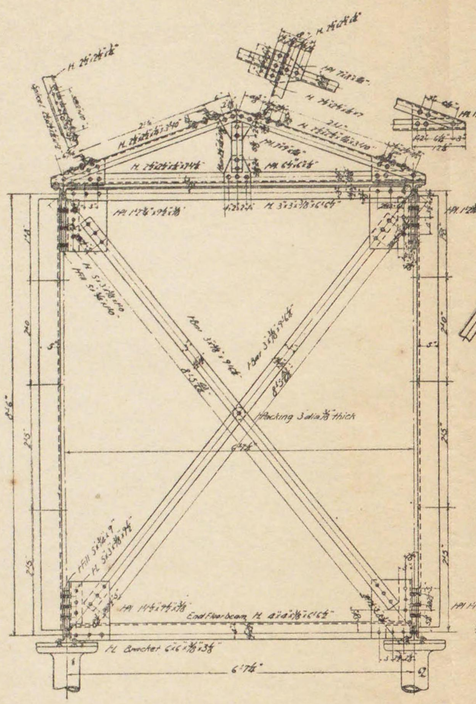

Elevation A B
Packing 3 dia 3/8" thick
End Floorbeam
A 1
B 2


Elevation A B
Packing 3 dia 3/8" thick
End Floorbeam
Bracket
A 1
B 2

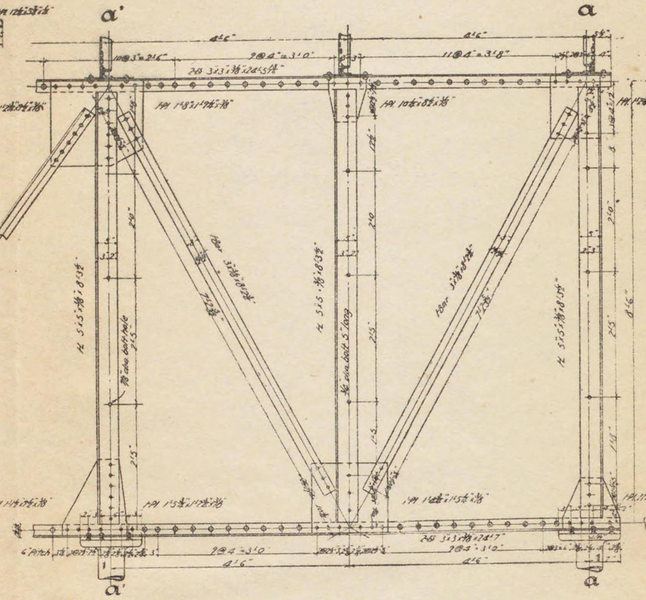
6 ft. Foot Bridge with 9 ft. Stairs over Two Lines.

圖第三四號（九）　跨線橋定規乙ノ二ノ三

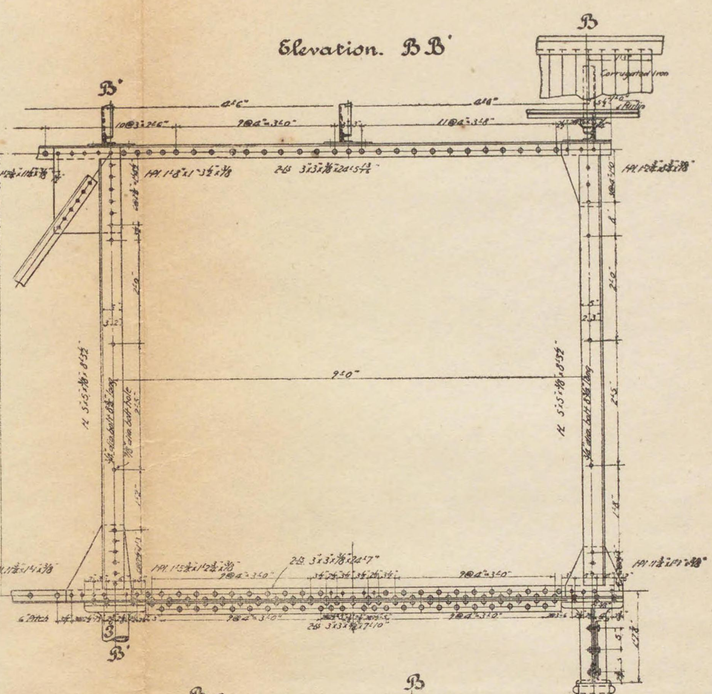
Elevation a B

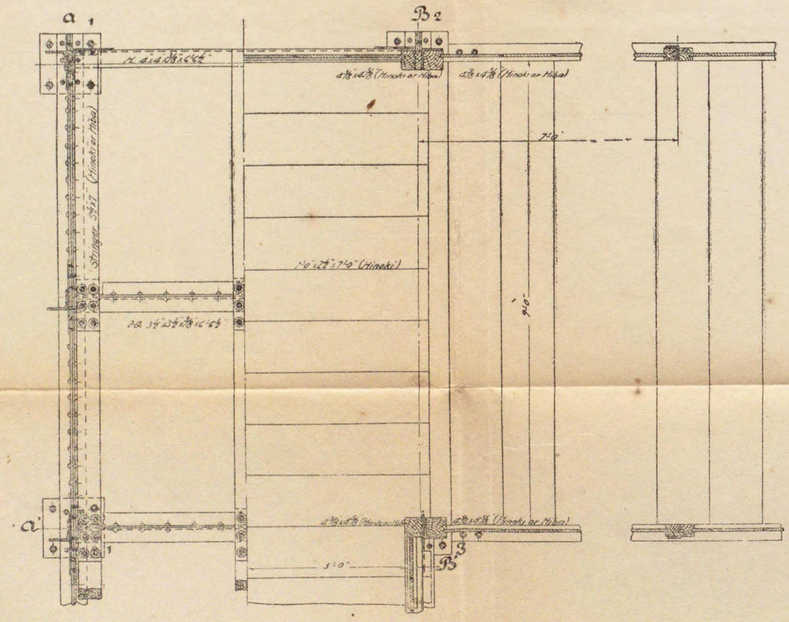


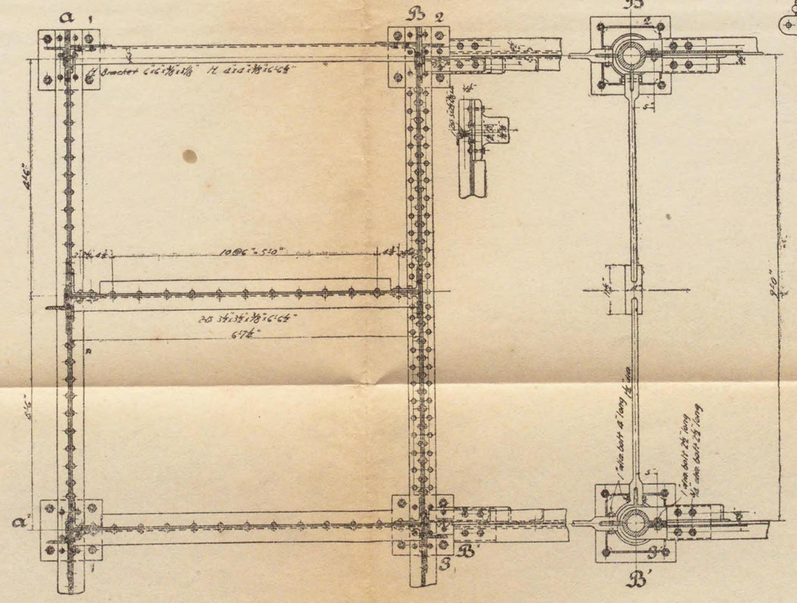
Elevation a a'

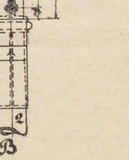


Elevation. B B'





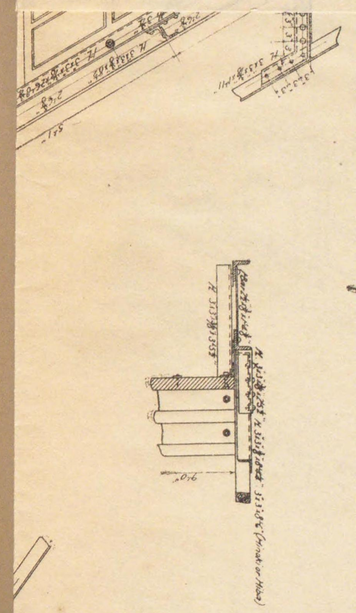


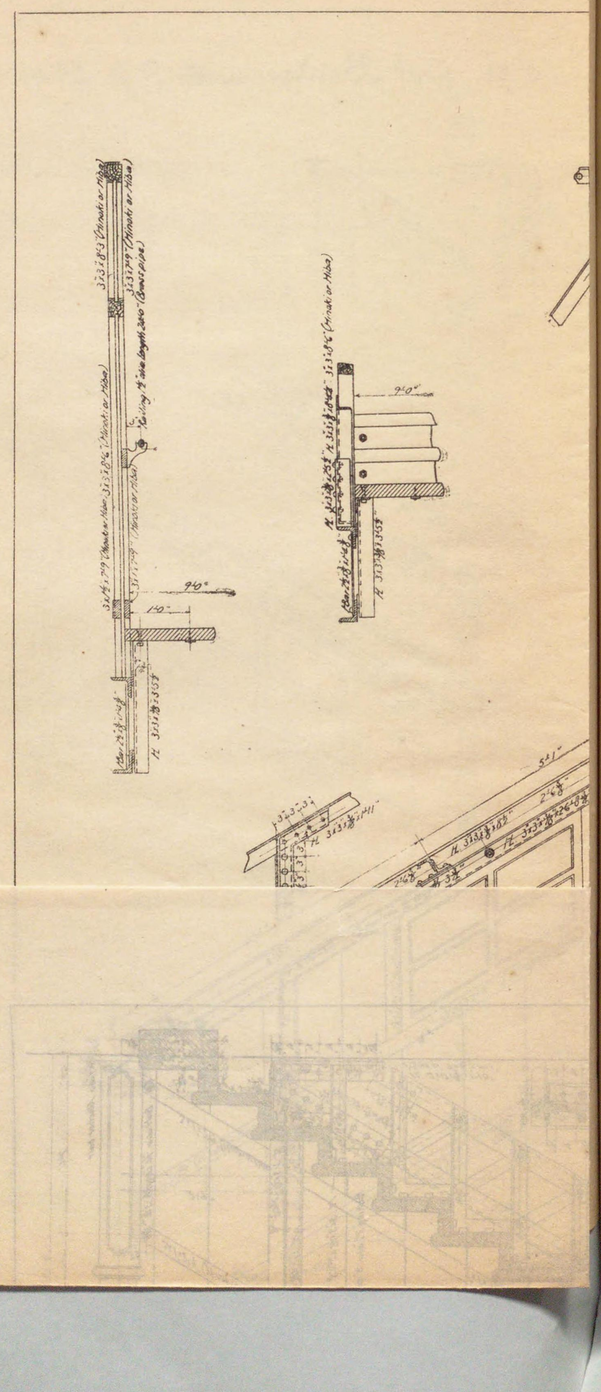


Rivets above shown are used only in End Plates for Trusses

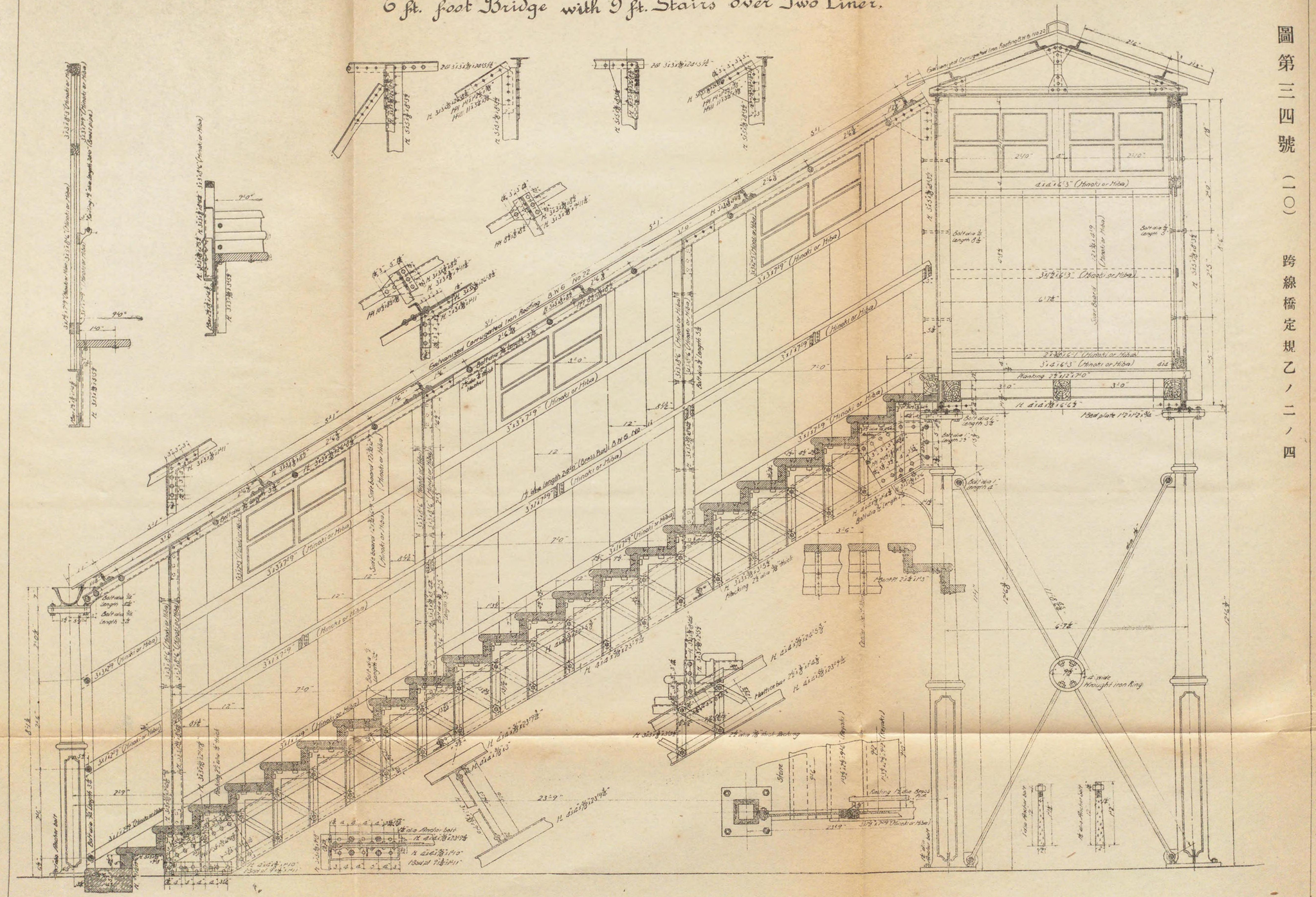
Scale 1"=1'0"

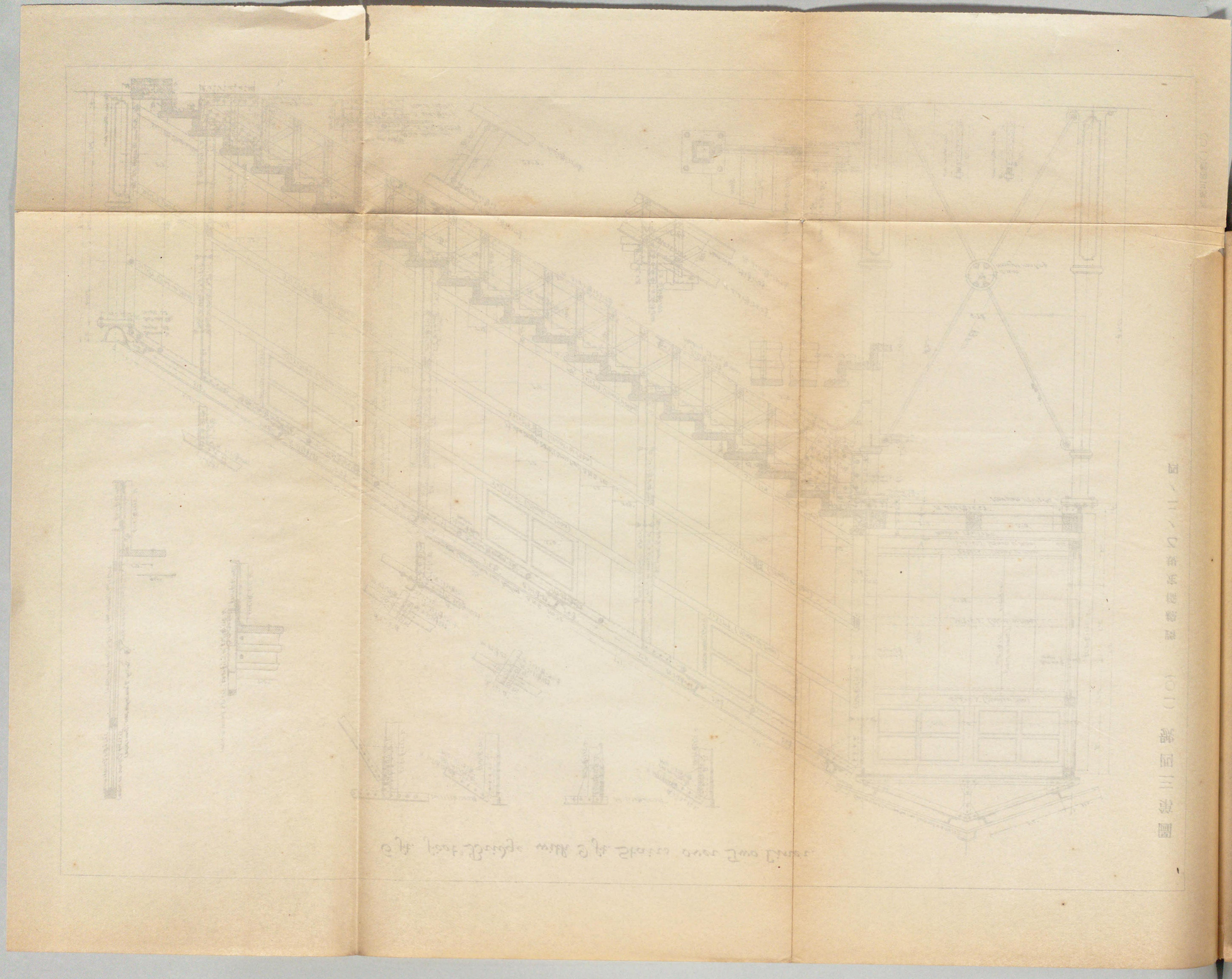
圖第三四號（九）



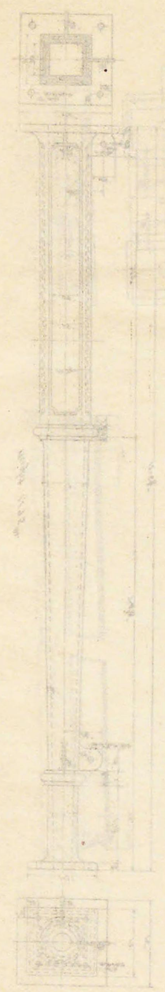


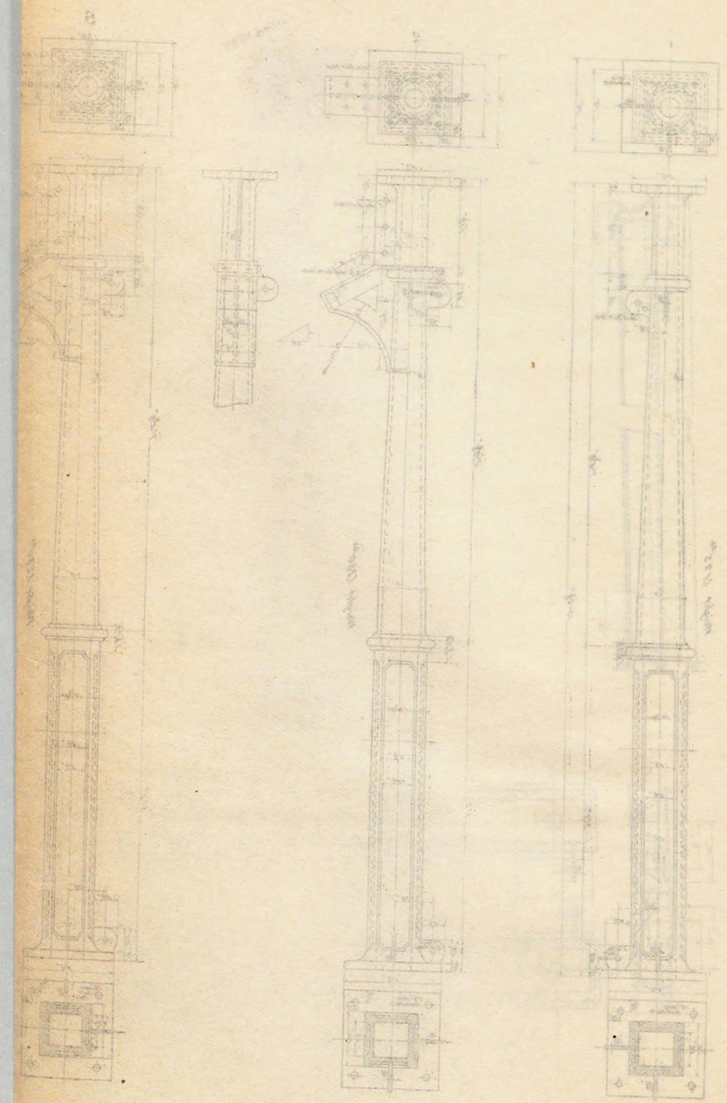
6 ft. Foot Bridge with 9 ft. Stairs over Two Liner.


Galvanized Corrugated Iron Roofing B.W.G. No 22
Boarding 2" x 12" x 2'-10"
Bed plate 12" x 12" x ¾"
Hand Rail 3" x 3" x ¼" Angle Iron
Stone
Ceiling Plate
Hook Bolt
Hook Bolt
Hook Bolt
Anchor bolt
Anchor bolt
Anchor

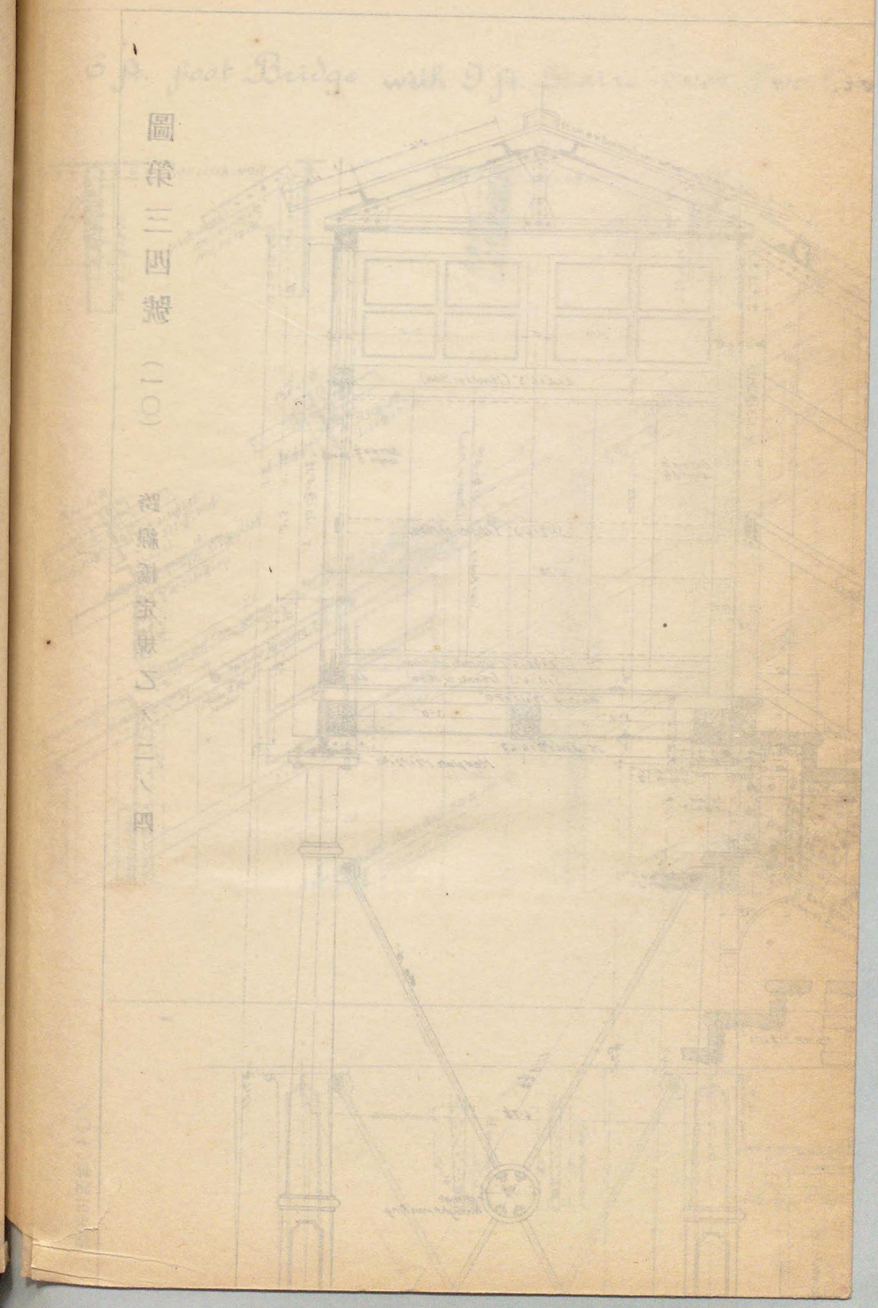


圖第三拾壹（101）



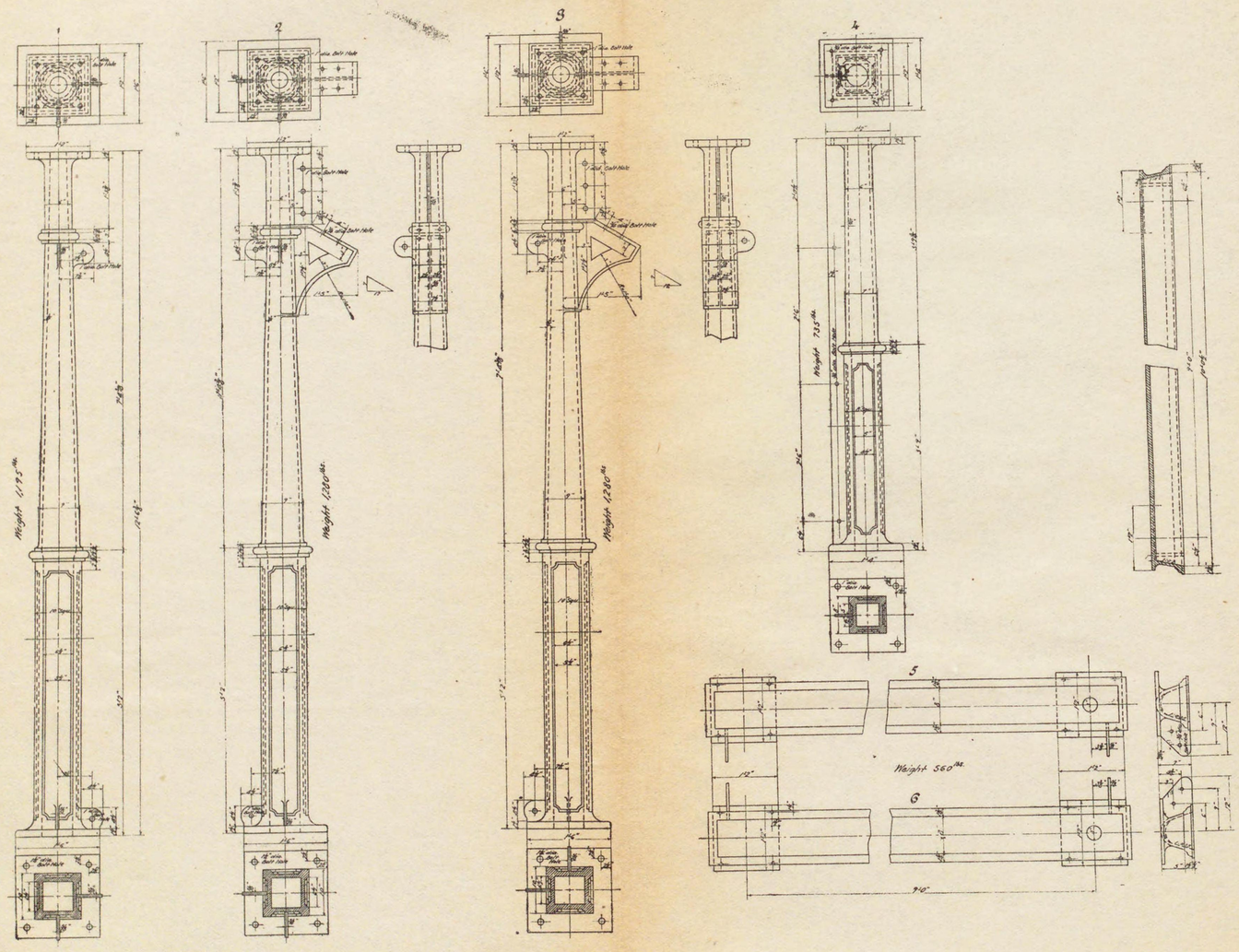


圖第三四號（一〇）



圖第三四號（一一）　跨線橋定規　乙ノ二ノ五

6ft. foot Bridge with 9ft. Stairs over Two Lines



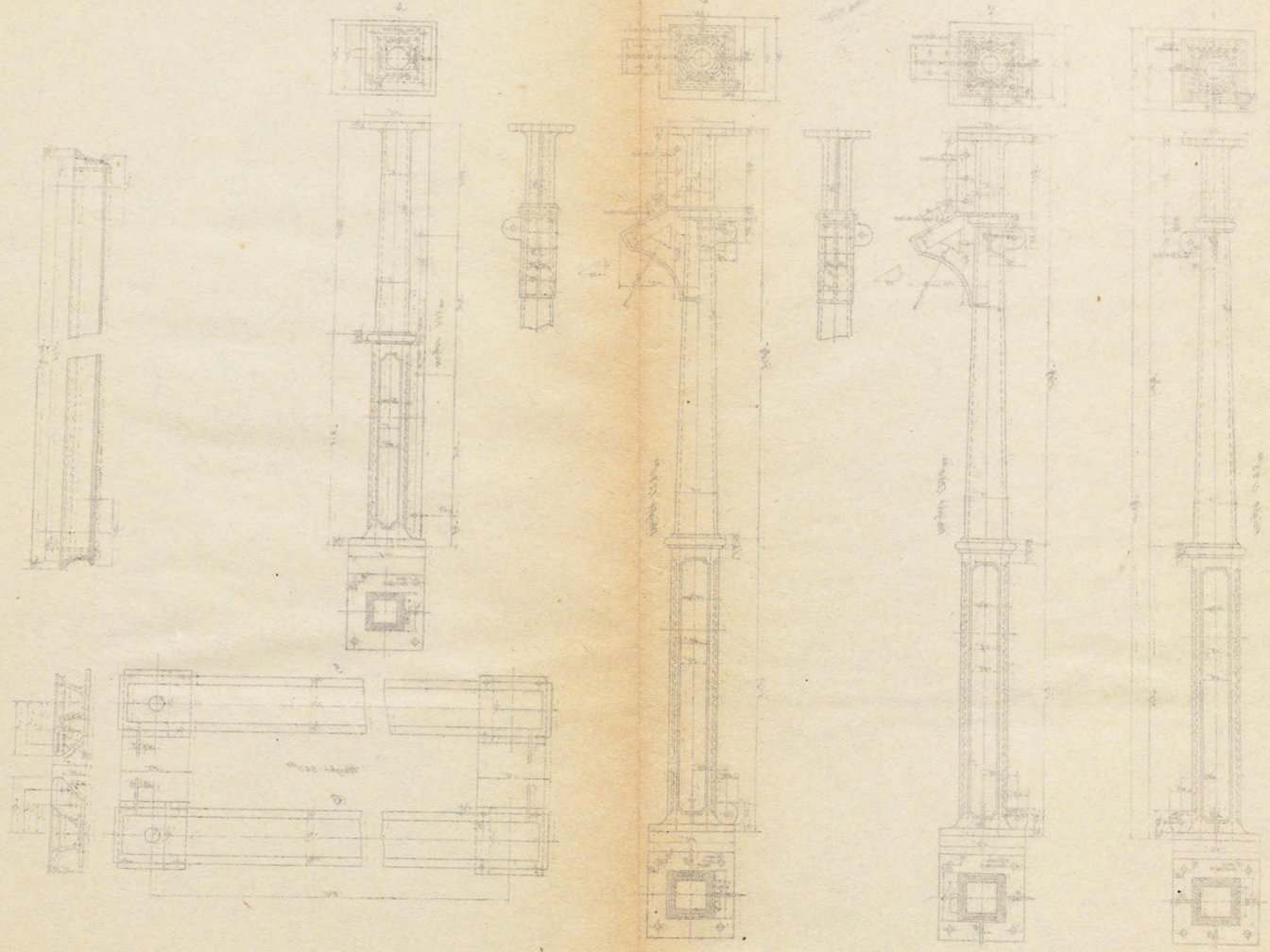
第圖

Schedule of M

Number	Description	Dimension	Weight in lbs	Remarks
4	Steel Angles	3"×3"×3/8"×12'-0 1/4"	3 101	Step angle
8	DO	〃 〃 〃 〃 12'-5 3/4"	16 770	Upper beam
4	DO	〃 〃 〃 〃 12'-0"	3 722	Vertical
8	DO	〃 〃 〃 〃 12'-5 3/4"	16 972	Gusset angle
4	DO	〃 〃 〃 〃 2'-10"	3 166	DO
16	DO	〃 〃 〃 〃 1'-6"	1 259	Tie angle
21	DO	3"×3"×3/8"×8'-3 1/2"	21 122	Gusset angle
4	DO	3"×3"×3/8"×9'-3 1/2"	3 862	Purlin
8	DO	3"×3"×3/8"×9'-3 1/2"	5 18	Angle bracket
20	DO	3 1/2"×3 1/2"×3/8"×6'-6 1/2"	11 70	DO
2	DO	4"×4"×3/8"×6'-6 1/2"	1 189	Tie angle
42	DO	6"×6"×3/8"×3'-6"	1 61	DO
2	DO	3"×3"×3/8"×1'-0"	186	Tie plate
4	DO	5"×3"×3/8"×1'-0"	219	DO
4	DO	〃 〃 〃 〃 9'-7"	19	Filler
2	Steel Bars	3/8"×8"×2'-8 1/2"	80	Gusset plate
4	DO	〃 〃 〃 〃 9'-2"	1 15	Filler
4	DO	〃 〃 〃 〃 2'-6 1/2"	1 154	Gusset plate
3	Steel Plates	1'-2 3/4"×8 3/4"×3/8"	38	DO
1	DO	1'-2 3/4"×11 1/4"×3/8"	255	Bent plate
1	DO	10 1/4"×8 1/2"×3/8"	176	Bed plate
3	DO	1'-8"×1 3/4"×3/8"	35	Packing
1	DO	1'-8"×1'-9 3/4"×3/8"	3	DO
4	DO	1'-5 3/8"×1'-2"×3/8"	1 296	Lacing bar
4	DO	1'-3 3/4"×1'-1 1/4"×3/8"	174	Washer for 3/4" dia. bolt
4	DO	1'-7"×11 1/2"×3/8"	577	for Truss & Stair
4	DO	1'-1 3/4"×1'-1"×3/8"	64	for Foot
1	DO	1'-8 3/4"×1'-1 1/4"×3/8"	18	for Vertical of Truss
4	DO	1'-5 3/8"×1'-2 3/4"×3/8"	1 162	for Stringer
4	DO	1'-5"×1'-2 3/4"×3/8"	1 110	for Stringer & Vertical of Stair
4	DO	1'-6"×1'-5 1/4"×3/8"	1 57	for Vertical of Truss
4	DO	1'-3"×1'-7 1/4"×3/8"	1 8	for Upper beam
4	DO	1'-2 3/4"×9 1/2"×3/8"	36	DO
4	DO	1'-1 1/2"×9 1/2"×3/8"	24	for Short post
4	DO	5"×9"×3/4"	12	for Long post
4	DO	5"×9"×3/4"	80	for Step angle
8	DO	1'-2"×1'-2"×3/4"	3 66	for Long part
4	DO	3 dia.×3/8"	61	for Bed plate
12	Steel Angles	2 1/2"×2 1/2"×1/4"×1'-4"	3 21	for Long post
24	DO	〃 〃 〃 〃 3'-0"	3 89	for Short post
48	DO	〃 〃 〃 〃 7	1 478	for Long part & End of Stair
8	DO	〃 〃 〃 〃 25'-0 1/4"	8 434	Tie rod
4	DO	〃 〃 〃 〃 12'-0 1/4"	1 401	DO
8	DO	〃 〃 〃 〃 4'-2"	43	for Tie rod
24	Steel Plates	12"×11"×3/8"	326.444	= 11^t 16^c 0^a 12^lbs.
24	DO	12 1/4"×5 7/8"×1/4"	1	
12	DO	6 1/2"×6"×1/4"	162	= 5^t 1^c 1^a 22 lbs.
12	DO	7"×9"×1/4"	20	Shape A & B
48	DO	7"×8"×1/4"	1.4780	
12	Steel Bars	2 1/2"×1/4"×11 3/8"	5120	
6	Steel Angles	4"×4"×5/8"×23'-9 3/4"	22.2940	
6	DO	〃 〃 〃 〃 24'-5 3/8"	23.1120	
6	DO	〃 〃 〃 〃 1'-4 3/4"	114.930	= 6^t 5^c 1^a 2 lbs.
6	DO	〃 〃 〃 〃 1'-1 1/4"	1	
108	DO	3"×3"×3/8"×3'-5 1/2"	26 293	= 0^t 2^c 2^a 13 lbs.
6	DO	〃 〃 〃 〃 1'-4 3/4"	1	
6	DO	〃 〃 〃 〃 2'-11 3/8"	1	

圖第三四號（一二）

圖第三四號（一一）



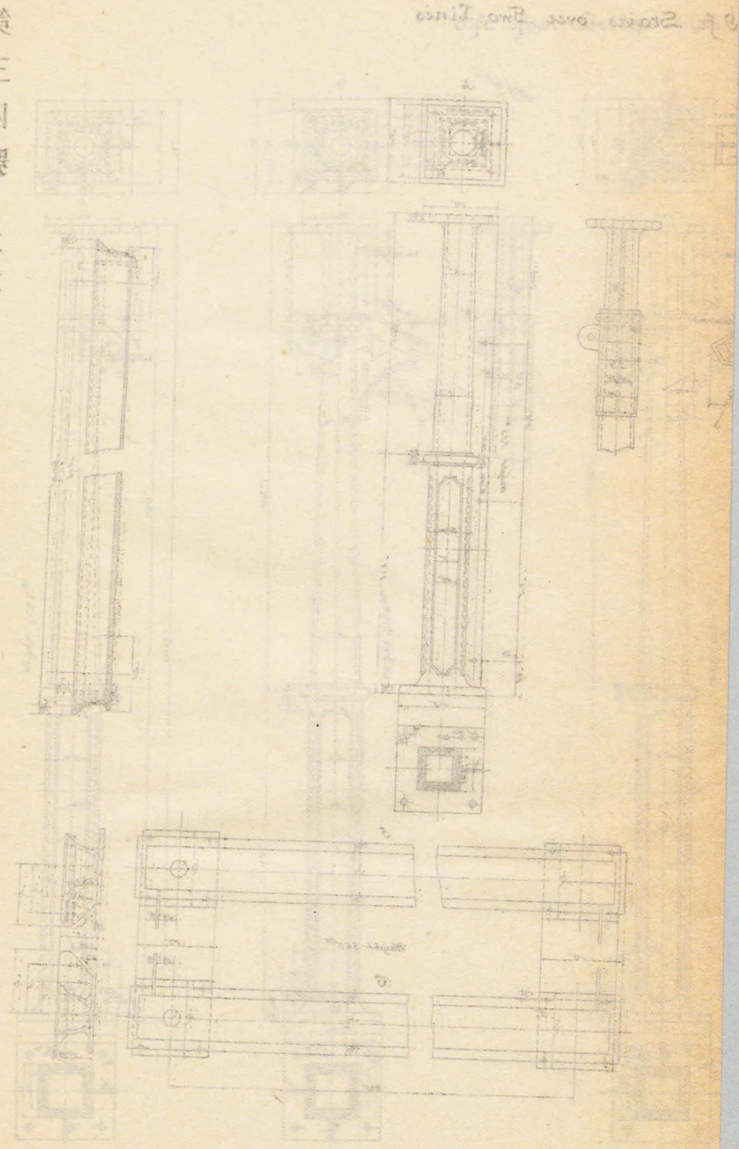
第圖

Schedule of M

Number	Description	Dimension	Weight	Weight in lbs	Remarks
4	Steel Angles	3"x3"x3/8"x12'-0 1/4"	3	101	Step angle
8	Do	〃 x 〃 x 〃 x 24'-5 1/2"	14	770	Upper beam
4	Do	〃 x 〃 x 〃 x 12'-0"	5	722	Vertical
8	Do	〃 x 〃 x 〃 x 24'-7"	14	212	Gusset angle
6	Do	〃 x 〃 x 〃 x 7'-10"	3	166	Do
16	Do	〃 x 〃 x 〃 x 1'-6"	1	259	Tie angle
21	Do	5"x5"x3/8"x8'-3 1/2"	21	122	Gusset angle
4	Do	3"x3"x3/8"x9'-3 1/2"	3	862	Purlin
8	Do	3"x3"x3/8"x9'-3 1/2"	3	18	Angle bracket
20	Do	3 1/2"x3 1/2"x3/8"x6'-6 1/2"	11	20	Do
2	Do	4"x4"x3/8"x6'-6 1/2"	1	189	Tie angle
44	Do	6"x6"x3/8"x3 1/8"	1	61	Do
2	Do	3"x3"x3/8"x6'-6 1/2"		186	Tie plate
4	Do	5"x3"x3/8"x1'-0"		219	Do
4	Do	〃 x 〃 x 〃 x 9 1/2"		19	Filler
2	Steel Bars	3"x3/8"x8'-2 1/4"		80	Gusset plate
4	Do	〃 x 〃 x 9'-2"	1	15	Filler
4	Do	〃 x 〃 x 9'-6 1/2"	1	154	Gusset plate
3	Steel Plates	1'-2 3/4"x8 3/4"x3/8"		38	Do
1	Do	1'-2 3/4"x11 1/4"x3/8"		255	Bent plate
1	Do	10 1/4"x8 1/2"x3/8"		176	Bed plate
3	Do	1'-8"x1'-3 1/2"x3/8"		35	Packing
1	Do	1'-8"x1'-9 1/4"x3/8"		3	Do
4	Do	1'-5 3/4"x1'-2"x3/8"	1	296	Lacing bar
4	Do	1'-3 3/4"x1'-1 1/4"x3/8"		174	Washer for 3/4" dia. bolt
4	Do	1'-2"x11 1/4"x3/8"		577	for Truss & Stair
4	Do	11 3/4"x1'-1"x3/8"		64	for Roof
1	Do	1'-4 3/4"x1'-5 1/4"x3/8"		18	for Vertical of Truss
4	Do	1'-5 3/4"x1'-2 1/4"x3/8"	1	162	for Stringer
4	Do	1'-7"x1'-7"x3/8"	1	110	for Stringer & Vertical of Stair
4	Do	1'-5"x1'-5 1/4"x3/8"	1	57	for Vertical of Truss
4	Do	1'-3"x1'-7 1/4"x3/8"	1	8	for Upper beam
4	Do	1'-2 3/4"x9 1/2"x3/8"		36	Do
4	Do	1'-1 1/2"x9 1/2"x3/8"		24	for Short post
4	Do	5"x1'-0"x3/4"		12	for Long post
4	Do	5"x9"x3/4"		80	for Step angle
8	Do	1'-2"x1'-2"x3/4"	3	66	for Long post
4	Do	3" dia. x 3/8"		61	for Bed plate
12	Steel Angles	2 1/2"x2 1/2"x1/4"x7'-1 1/4"	3	21	for Long post
24	Do	〃 x 〃 x 〃 x 3'-10"	3	89	for Short post
48	Do	〃 x 〃 x 〃 x 7"	1	478	for Long post & End of Stair
8	Do	〃 x 〃 x 〃 x 25'-0 3/4"	8	434	Tie rod
4	Do	〃 x 〃 x 〃 x 12'-0 1/4"	1	401	Do
8	Do	〃 x 〃 x 〃 x 1'-2"		43	for Tie rod
24	Steel Plates	12"x11"x3/8"		326444 =	11t 16c 0a 12lbs.
24	Do	12 1/4"x5 7/8"x1/4"	1		
12	Do	6 1/2"x6"x1/4"		162 =	7t 1c 1a 22lbs.
12	Do	7"x9"x1/4"		70	Shape A & B
48	Do	7"x8"x1/4"	1	4780	
12	Steel Bars	2 1/2"x1/4"x11 5/8"		5120	
6	Steel Angles	4"x4"x5/8"x23'-9 3/4"	22	2940	
6	Do	〃 x 〃 x 〃 x 24'-5 3/8"	23	1120	
6	Do	〃 x 〃 x 〃 x 1'-4 3/4"		114030 =	6t 5c 1a 2lbs.
6	Do	〃 x 〃 x 〃 x 1'-10"	1		
108	Do	3"x3"x3/8"x3'-5 1/2"	26	293 =	0t 2c 2a 13lbs.
6	Do	〃 x 〃 x 〃 x 2'-4 3/4"	1		
6	Do	〃 x 〃 x 〃 x 2'-11 3/8"	1		

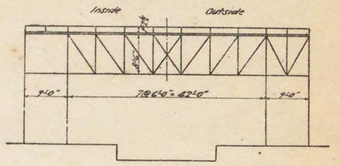
圖第三四號(一二)

圖第三四號(一一)



圖第三四號 (一二) 跨線橋定規乙ノ二ノ六

6ft. Foot Bridge with 9ft. Stairs over Two Lines.



Span of Truss	= 42'0"
Clear Width of Truss	= 6'0"
Distance C to C. of Truss	= 6'7½"
Height of Truss	= 8'6"
Clear width of Stair	= 9'0"
Span of foot truss	= 6'7½"
Height " "	= 12'5"
Live load (crowd)	= 100%
Impact	= 25% of live load
Dead load per panel per Truss	= 1100 #
Snow load	= 20%
Wind load	= 225% of exposed surface

Allowable Tensile Strength of Steel on net Section = 15,000 %"
Allowable Compressive " " gross " = 15,000-70 l/r %"
Allowable Shearing Strength in Field driven rivets and turned bolts = 10,000 %
Allowable Bearing " " " " = 20,000 %"

Note :- All rivets ¾" dia except 1⅛" dia rivets in 3½" angles

Schedule of Materials for One Span and Three Stairs (Over Two lines)

Number	Description	Dimension	Weight in lbs	Remarks
4	Steel Angles	3½ x 3½ x ½ x 12'-6"	346	Upper Chord
8	Do	" " " 12'-5⅝"	1810	Do
4	Do	" " " 12'-0"	346	Lower Chord
8	Do	" " " 12'-7"	1816	Do
2	Do	" " " 7'-10"	338	Splice Angle
16	Do	" " " 1'-6"	173	Do
22	Do	5 x 3½ x ⅝ 8'-3"	2142	Vertical
4	Do	3½ x 3½ x ½ 9'-3"	349	Diagonal
8	Do	3½ x 3½ x ½ 9'-3"	685	Do
20	Do	3½ x 3½ x ½ 6'-6"	1112	Floor beam
2	Do	4 x 4 x ½ 6'-6"	128	Do
4½	Do	6 x 6 x ⅝ 3'8"	171	Angle bracket
2	Do	3½ x 3½ x ½ 6'-6"	94	Stay bracing
4	Do	5 x 3½ x ½ 1'-0"	39	Connecting angle
4	Do	" " " " 8"	31	Do
2	Steel Bars	3½ x ⅝ x 6'-2"	63	Diagonal
4	Do	" " " 9'-2"	180	Do
2	Do	" " " 6'-6"	146	Stay bracing
3	Steel Plates	15'-3" x 7'-6" x ⅜"	41	Gusset plate
2	Do	12'-3½" x 11'-3" x ⅜"	18	Do
1	Do	10'-8⅝" x 8'-3" x ⅜"	9	Do
3	Do	14'-3" x 13'-3" x ⅜"	29	Do
1	Do	18'-2" x 14'-6" x ⅜"	45	Do
5	Do	13'-8½" x 12'-3" x ⅜"	106	Do
2	Do	15'-3½" x 12'-3" x ⅜"	89	Do
4	Do	13'-3" x 11'-3" x ⅜"	67	Do
4	Do	11'-8" x 11'-3" x ⅜"	65	Do
1	Do	14'-3½" x 12'-3" x ⅜"	31	Do
4	Do	15'-8½" x 12'-3" x ⅜"	111	Do
4	Do	14'-7" x 14'-7" x ⅜"	158	Do
4	Do	14'-5" x 13'-3" x ⅜"	126	Do
4	Do	14'-3" x 14'-3" x ⅜"	123	Do
4	Do	12'-3½" x 9'-3" x ⅜"	60	Do
4	Do	11'-3" x 9'-3" x ⅜"	55	Do (Stay bracing)
4	Do	5' x 1'-0" x ⅜"	51	Filler (Do)
4	Do	5'-0" x 9" x ⅜"	38	Do (Do)
8	Do	12" x 12" x ⅜"	333	Bed plate
4	Do	3 dia x ⅜"	3	Packing
12	Steel Angles	2½ x 2½ x ¼ x 11'-2"	350	Roof
24	Do	" " " " 3'-10"	377	Do
48	Do	" " " " 7"	115	Do
8	Do	" " " 25'-5⅝"	821	Purlin
4	Do	" " " 10'-0½"	197	Do
8	Do	" " " 1'-2"	38	Splice angle
24	Steel Plates	12" x 11" x ⅜"	337	Gusset plate
24	Do	12⅝ x 5⅜ x ⅜"	122	Do
12	Do	6¾ x 6 x ⅜"	33	Do
12	Do	7" x 7" x ⅜"	58	Do
48	Do	7" x 6" x ⅜"	190	Do
12	Steel Bars	2½ x ⅝ x 11'-3"	25	Roof
6	Steel Angles	4 x 4 x ½ 13'-3"	2263	Stair angle
6	Do	" " " 24'-5⅝"	2305	Do
6	Do	" " " 1'-8"	131	Do
6	Do	" " " 1'-10"	173	Do
108	Do	3½ x 3½ x ½ 15'-5"	2689	Step angle
6	Do	" " " 12'-4½"	184	Do
6	Do	" " " 12'-1"	126	Do

Number	Description	Dimension	Weight in lbs	Remarks
6	Steel Angles	3½ x 3½ x ½ 12'-6"	519	Step angle
6	Do	" " " 12'-5⅝"	1733	Upper beam
18	Do	" " " 8'-4½"	1083	Vertical
18	Do	" " " 2'-5½"	319	Gusset angle
18	Do	" " " 1'-11"	248	Do
6	Do	" " " 9'-0"	387	Tie angle
18	Do	" " " 10'-8½"	184	Gusset angle
12	Do	3 x 3 x ½ 9'-11¾"	1293	Purlin
12	Do	3½ x 3½ x ½ 10'-1½"	66	Angle bracket
12	Do	4 x 4 x ½ 6'-6"	279	Do
3	Do	5 x 3½ x ½ 7'-8"	204	Tie angle
3	Do	6" x 4" x ½ 9'-6"	91	Do
6	Steel Plates	1'-3" x 2'-3½" x ⅜"	278	Tie plate
6	Do	2'-6⅜" x 1'-9" x ⅜"	320	Do
6	Do	4" x 1'-3" x ⅜"	79	Filler
6	Do	1'-4½" x 1'-1" x ⅜"	120	Gusset plate
30	Do	1'-1" x 3½" x ⅜"	28	Filler
30	Do	6⅜ x 6" x ⅜"	230	Gusset plate
6	Do	10'-3½" x 5" x ⅜"	57	Do
180	Do	2'-4" x 1'-3" x ⅜"	383	Beat plate
6	Do	14'-1" x 9" x ⅜"	268	Bed plate
102	Do	2⅛ dia x ⅜"	63	Packing
12	Do	2⅛ dia x ½"	4	Do
102	Steel Bars	2'-2" x ⅜"	444	Lacing bar
633	Steel Plates	2⅛ dia x ½"	193	Washer for ⅞" dia bolt
3456	Rivets	⅞ dia Rivet heads	672	for Truss & Stair
1360	Do	⅞ dia Rivet heads	66	for Roof
18	Bolts	⅞ dia x 8¾"	27	for Vertical of Truss
120	Do	" x 1'-7"	162	for Stringer
114	Do	" x 1'-3"	130	for Stringer & Vertical of Stair
51	Do	" x 1'-5"	54	for Vertical of Truss
12	Do	" x 4½"	12	for Upper beam
60	Do	" x 1'-3½"	56	Do
42	Do	" x 1'-3½"	33	for Short post
24	Do	" x 2'-3½"	18	for Long post
378	Do	⅞ dia x 3½"	120	for Step angle
32	Do	1" dia x 4"	66	for Long post
32	Do	" x 3½"	61	for Bed plate
18	Do	" x 2'-3½"	31	for Long post
32	Do	" x 1'-4½"	133	for Short post
56	Do	1⅛ dia x 1'-2"	338	for Long post & End of Stair
16	Rods	" x 6'-6"	438	Tie rod
16	Do	" x 6'-0"	401	Do
32	Nuts		83	for Tie rod
		Total =	31766	= 14 T 3 C 2 # 14 lbs.

Number	Description	Dimension	Weight in lbs	Remarks
6	Brass Pipe	1⅝ dia x 24'-0"	283	= 0 T 2 C 0 # 19 lbs.
12	C.I. Brackets		105	Shape A & B
2	Cast iron Bath	/	2390	
38.3	Do	2 @ 3	7680	
6	Do	2	4410	
3	Cast iron Tongs	5 @ 6	1680	
		Total =	16265	= 7 T 5 C 0 # 25 lbs.
8	Wrought iron Key		293	= 0 T 2 C 2 # 13 lbs.

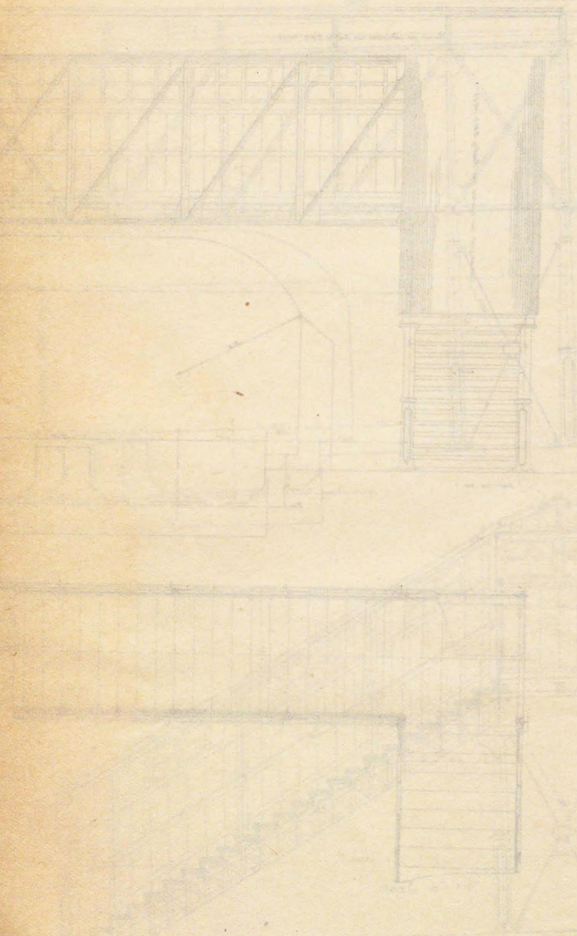
Schedule of Materials for One Span and Two Stairs (Over Two lines)

Number	Description	Dimension	Weight in lbs	Remarks
4	Steel Angles	3½ x 3½ x ½ 12'-6"	346	Upper Chord
8	Do	" " " 12'-5⅝"	1810	Do
4	Do	" " " 12'-0"	346	Lower Chord
8	Do	" " " 12'-7"	1816	Do
4	Do	" " " 7'-10"	226	Splice angle
16	Do	" " " 1'-6"	173	Do
22	Do	5 x 3½ x ½ 8'-3"	2266	Vertical
4	Do	3½ x 3½ x ½ 9'-3"	349	Diagonal
8	Do	" " " 9'-3"	685	Do
20	Do	3½ x 3½ x ½ 6'-6"	1112	Floor beam
2	Do	4 x 4 x ½ 6'-6"	128	Do
4½	Do	6 x 6 x ⅝ 3'8"	171	Angle bracket
2	Do	3½ x 3½ x ½ 6'-6"	94	Stay bracing
4	Do	5 x 3½ x ½ 1'-0"	39	Connecting angle
4	Do	" " " " 8"	31	Do
2	Steel Bars	3½ x ⅝ x 6'-2½"	126	Diagonal
4	Do	" " " 9'-2"	180	Do
4	Do	" " " 9'-6½"	146	Stay bracing
2	Steel Plates	12⅝ x 8⅜ x ⅜"	27	Gusset plate
2	Do	12⅝ x 11⅜ x ⅜"	35	Do
2	Do	10⅝ x 8½ x ⅜"	19	Do
2	Do	14⅞ x 11⅜ x ⅜"	66	Do
2	Do	12⅜ x 11⅜ x ⅜"	50	Do
4	Do	15⅜ x 11⅜ x ⅜"	106	Do
4	Do	13⅜ x 11⅜ x ⅜"	89	Do
4	Do	12⅞ x 11⅜ x ⅜"	67	Do
4	Do	11⅜ x 11⅜ x ⅜"	65	Do
2	Do	14⅜ x 12⅜ x ⅜"	61	Do
4	Do	15⅜ x 12⅜ x ⅜"	111	Do
4	Do	14⅞ x 14⅞ x ⅜"	158	Do
4	Do	14⅝ x 13⅜ x ⅜"	126	Do
4	Do	14⅜ x 14⅜ x ⅜"	123	Do
4	Do	12⅜ x 9⅜ x ⅜"	60	Do
4	Do	11⅜ x 9⅜ x ⅜"	55	Do (Stay bracing)
4	Do	5' x 1'-0" x ⅜"	51	Filler (Do)
4	Do	5'-0" x 9" x ⅜"	38	Do (Do)
8	Do	12" x 12" x ⅜"	333	Bed plate
4	Do	3 dia x ⅜"	3	Packing
12	Steel Angles	2½ x 2½ x ¼ x 11'-2"	350	Roof
24	Do	" " " " 3'-10"	377	Do
48	Do	" " " " 7"	115	Do
8	Do	" " " 25'-5⅝"	821	Purlin
4	Do	" " " 10'-0½"	197	Do
8	Do	" " " 1'-2"	38	Splice angle
24	Steel Plates	12" x 11" x ⅜"	337	Gusset plate
24	Do	12⅝ x 5⅜ x ⅜"	122	Do
12	Do	6¾ x 6 x ⅜"	33	Do
12	Do	7" x 7" x ⅜"	58	Do
48	Do	7" x 6" x ⅜"	190	Do
12	Steel Bars	2½ x ⅝ x 11'-3"	25	Roof
4	Steel Angles	4 x 4 x ½ 13'-3"	1885	Stair angle
4	Do	" " " 24'-5⅝"	1537	Do
4	Do	" " " 1'-8"	88	Do
4	Do	" " " 1'-10"	115	Do
72	Do	3½ x 3½ x ½ 15'-5"	1793	Step angle
4	Do	" " " 12'-4½"	84	Do
4	Do	" " " 12'-1"	69	Do

Number	Description	Dimension	Weight in lbs	Remarks
6	Steel Angles	3½ x 3½ x ½ 12'-6"	519	Step angle
6	Do	" " " 12'-5⅝"	1733	Upper beam
18	Do	" " " 8'-4½"	1083	Vertical
18	Do	" " " 2'-5½"	319	Gusset angle
18	Do	" " " 1'-11"	248	Do
6	Do	" " " 9'-0"	387	Tie angle
18	Do	" " " 10'-8½"	184	Gusset angle
12	Do	3 x 3 x ½ 9'-11¾"	1293	Purlin
12	Do	3½ x 3½ x ½ 10'-1½"	66	Angle bracket
12	Do	4 x 4 x ½ 6'-6"	279	Do
3	Do	5 x 3½ x ½ 7'-8"	204	Tie angle
3	Do	6" x 4" x ½ 9'-6"	91	Do
6	Steel Plates	1'-3" x 2'-3½" x ⅜"	278	Tie plate
6	Do	2'-6⅜" x 1'-9" x ⅜"	320	Do
6	Do	4" x 1'-3" x ⅜"	79	Filler
6	Do	1'-4½" x 1'-1" x ⅜"	120	Gusset plate
30	Do	1'-1" x 3½" x ⅜"	28	Filler
30	Do	6⅜ x 6" x ⅜"	230	Gusset plate
6	Do	10'-3½" x 5" x ⅜"	57	Do
180	Do	2'-4" x 1'-3" x ⅜"	383	Beat plate
6	Do	14'-1" x 9" x ⅜"	268	Bed plate
102	Do	2⅛ dia x ⅜"	63	Packing
12	Do	2⅛ dia x ½"	4	Do
102	Steel Bars	2'-2" x ⅜"	444	Lacing bar
633	Steel Plates	2⅛ dia x ½"	193	Washer for ⅞" dia bolt
3456	Rivets	⅞ dia Rivet heads	672	for Truss & Stair
1360	Do	⅞ dia Rivet heads	66	for Roof
18	Bolts	⅞ dia x 8¾"	27	for Vertical of Truss
120	Do	" x 1'-7"	162	for Stringer
96	Do	" x 1'-3½"	110	for Stringer & Vertical of Stair
54	Do	" x 1'-5"	57	for Vertical of Truss
8	Do	" x 4½"	8	for Upper beam
40	Do	" x 1'-3½"	36	Do
28	Do	" x 1'-3½"	24	for Short post
16	Do	" x 2'-3½"	12	for Long post
252	Do	⅞ dia x 3½"	120	for Step angle
32	Do	1" dia x 4"	66	for Long post
32	Do	" x 3½"	61	for Bed plate
12	Do	" x 2'-3½"	21	for Long post
16	Washer plate	" x 1'-1½"	158	for Short post
48	Do	1⅛ dia x 1'-2"	478	for Long post & End of Stair
16	Rods	" x 6'-6"	438	Tie rod
16	Do	" x 6'-0"	401	Do
32	Nuts		83	for Tie rod
		Total =	26444	= 11 T 16 C 0 # 12 lbs.

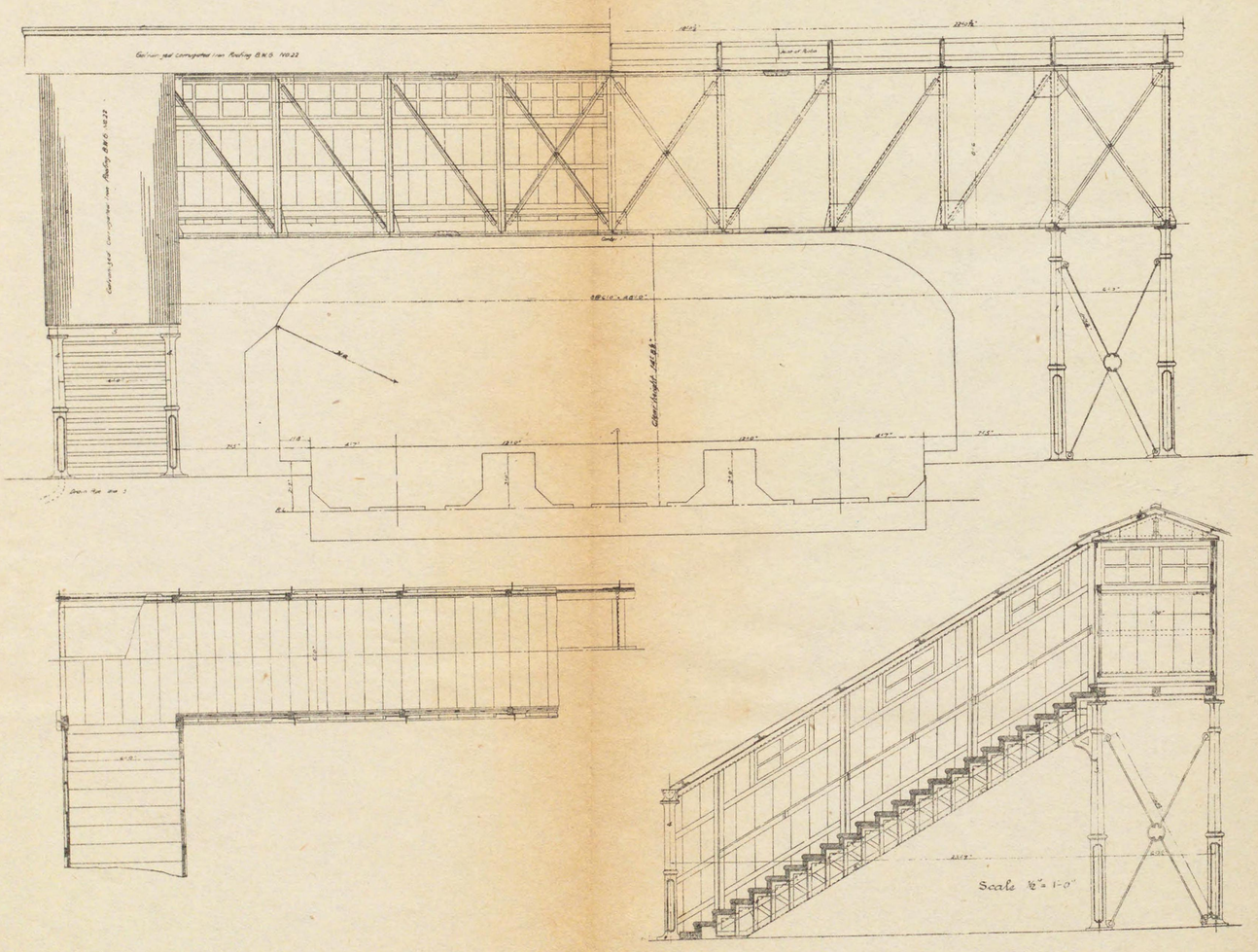
Number	Description	Dimension	Weight in lbs	Remarks
4	Brass Pipe	1⅝ dia 24'-0"	162	= 0 T 1 C 0 # 22 lbs.
28	C.I. Brackets		70	Shape A & B
2	Cast iron Bath	/	2390	
28.2	Do	2 @ 3	5520	
4	Do	2	2940	
2	Cast iron Tongs	5 @ 6	1120	
		Total =	14030	= 6 T 5 C 1 # 2 lbs.
8	Wrought iron Key		293	= 0 T 2 C 2 # 13 lbs.

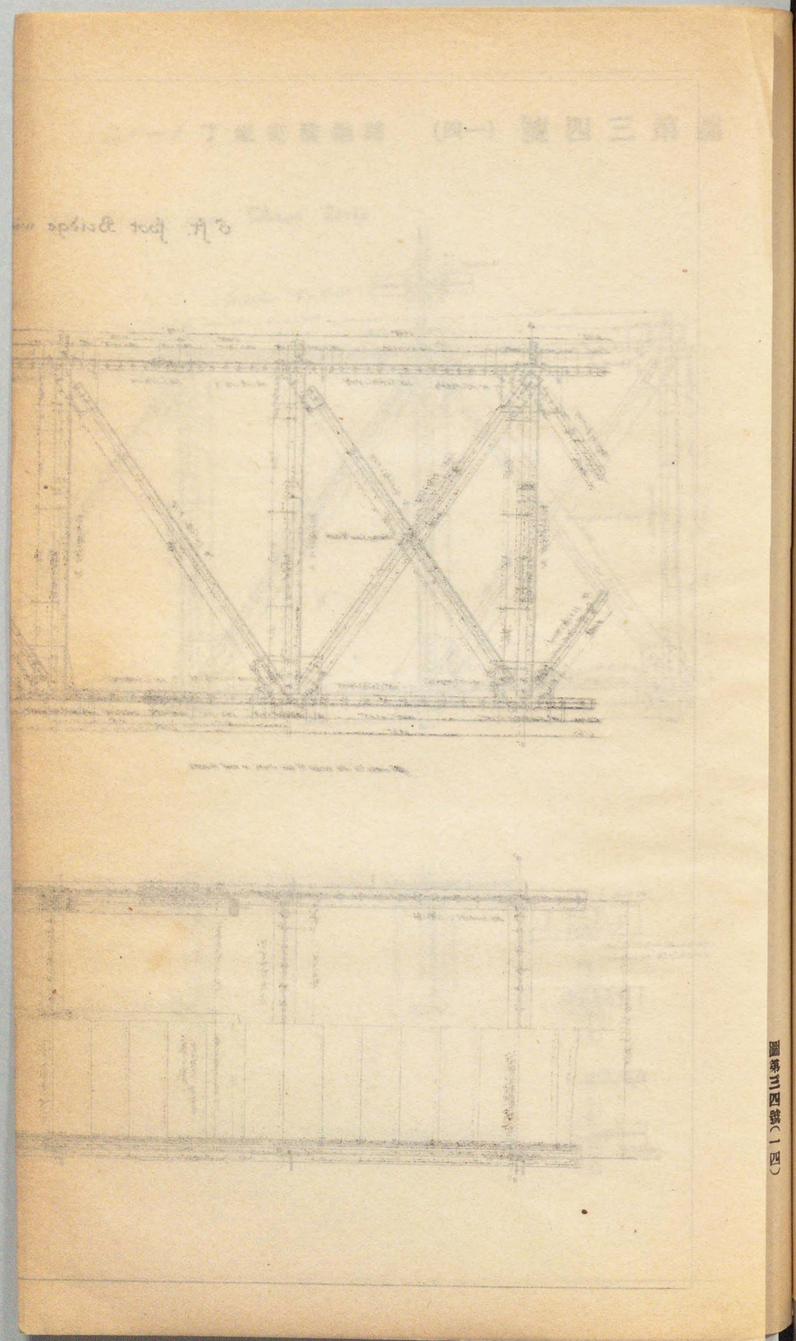
圖第三四號 (一一)



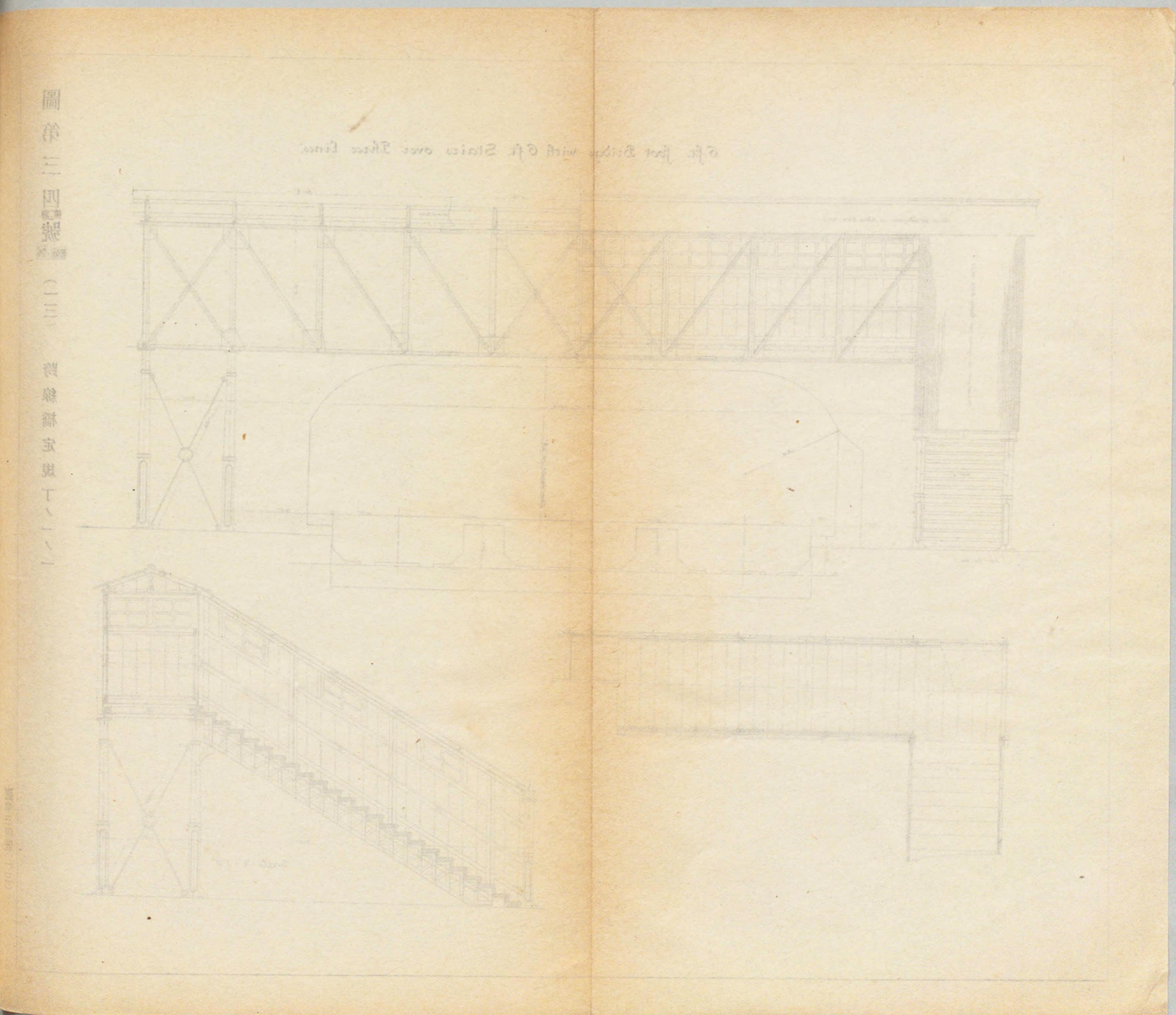
圖第三四號（一三）　跨線橋定規丁ノ一ノ一

6 ft. foot Bridge with 6 ft. Stairs over Three Lines.

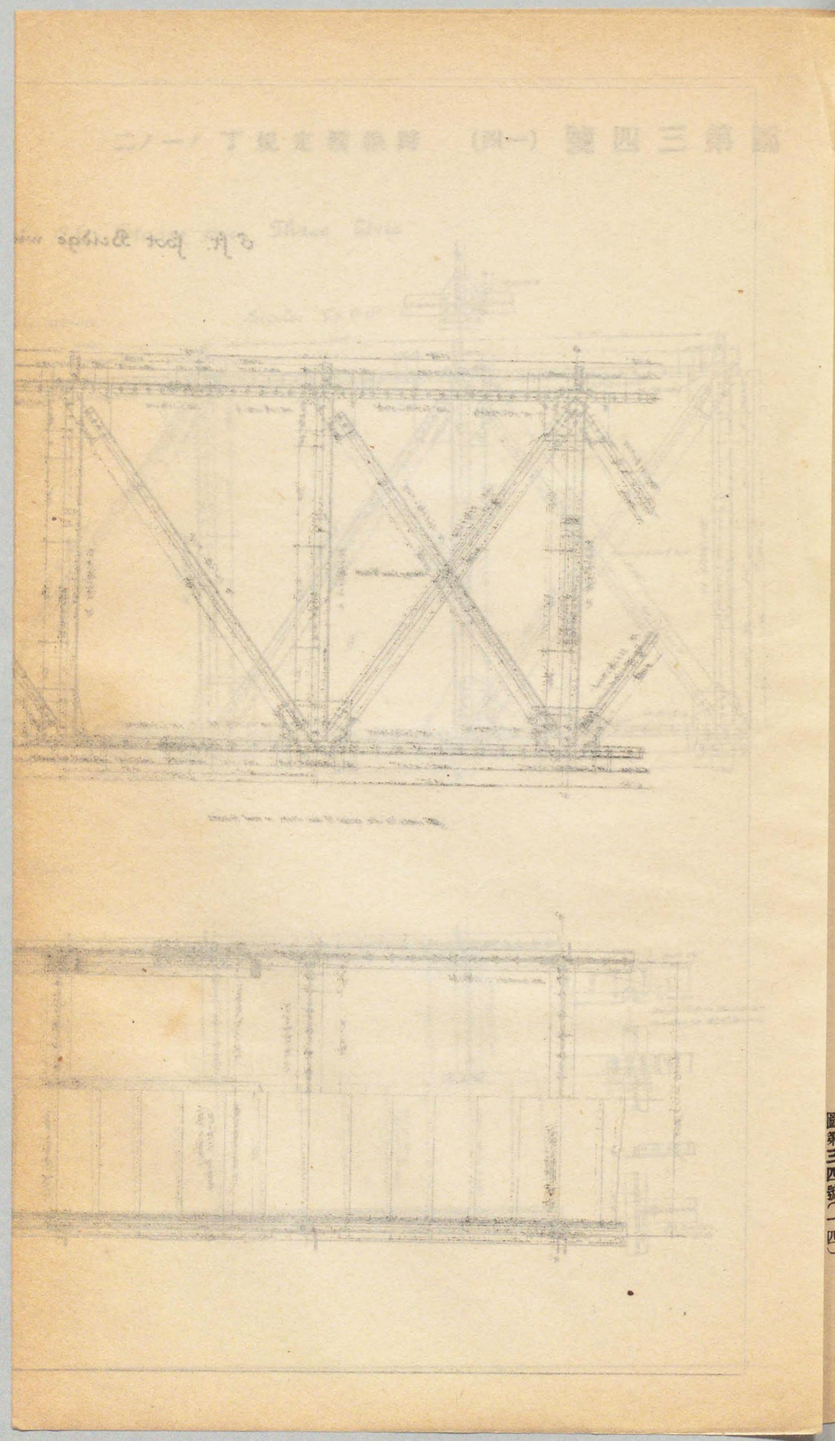




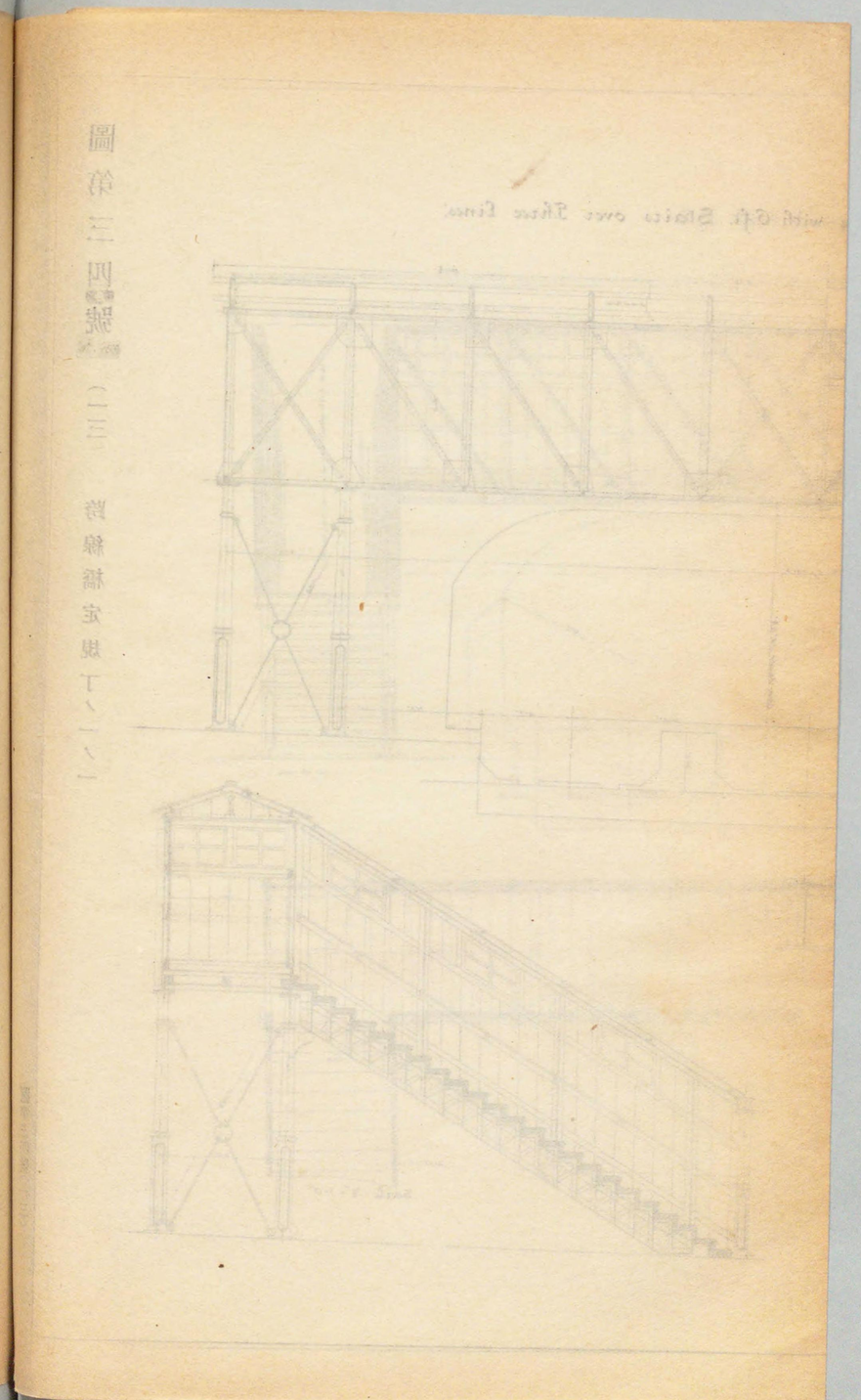
圖第三四號（一四）



圖第三四號（一三）　惡線橋宝鬼丁ノ一ノ一



圖第三四號（一四）

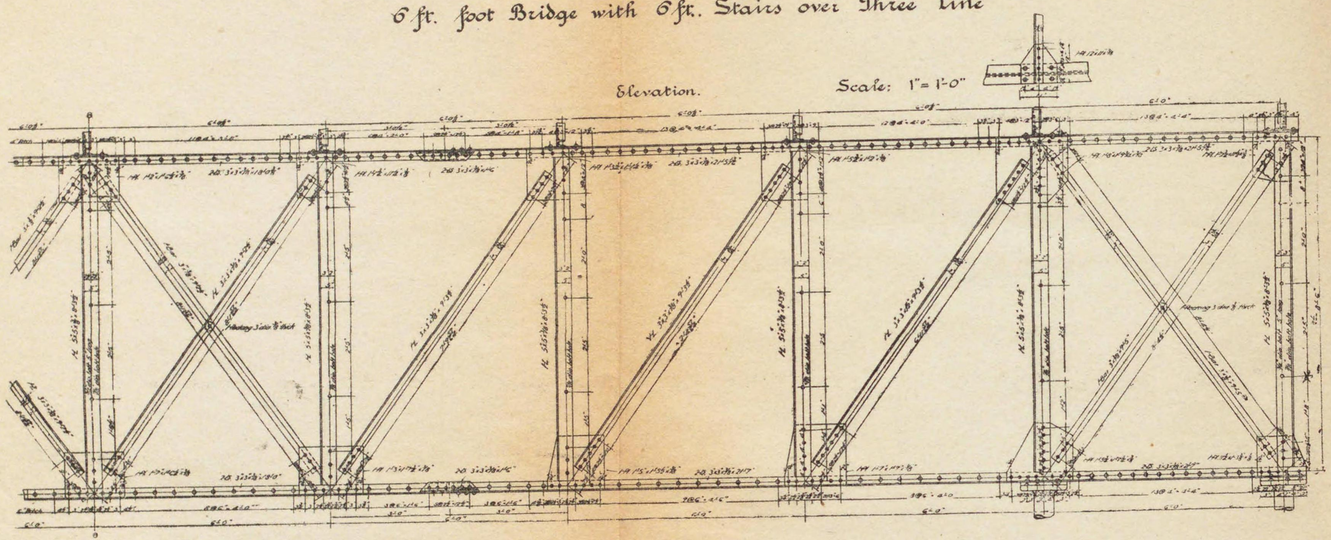


圖第三四號（一三）

圖第三四號（一四）　跨線橋定規丁ノ一ノ二

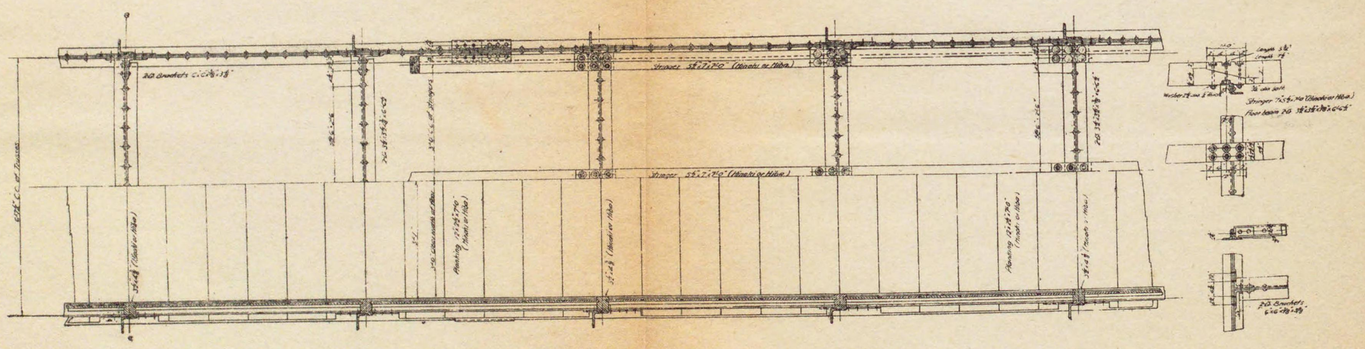
6 ft. foot Bridge with 6 ft. Stairs over Three Line

Elevation.　　Scale: 1"= 1'-0"

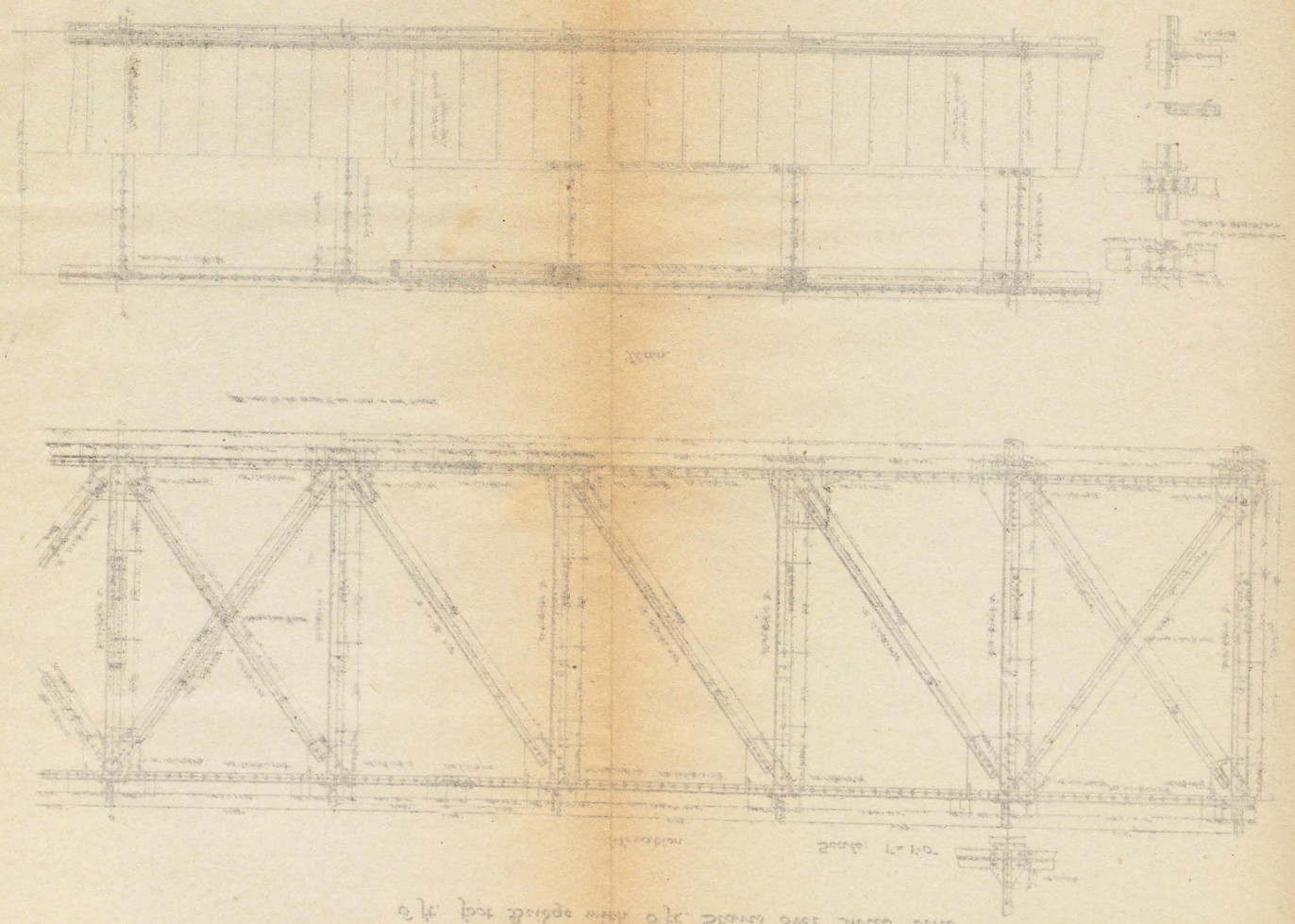


All rivets ¾" dia. except ⅞" dia. rivets in roof trusses.

Plan.



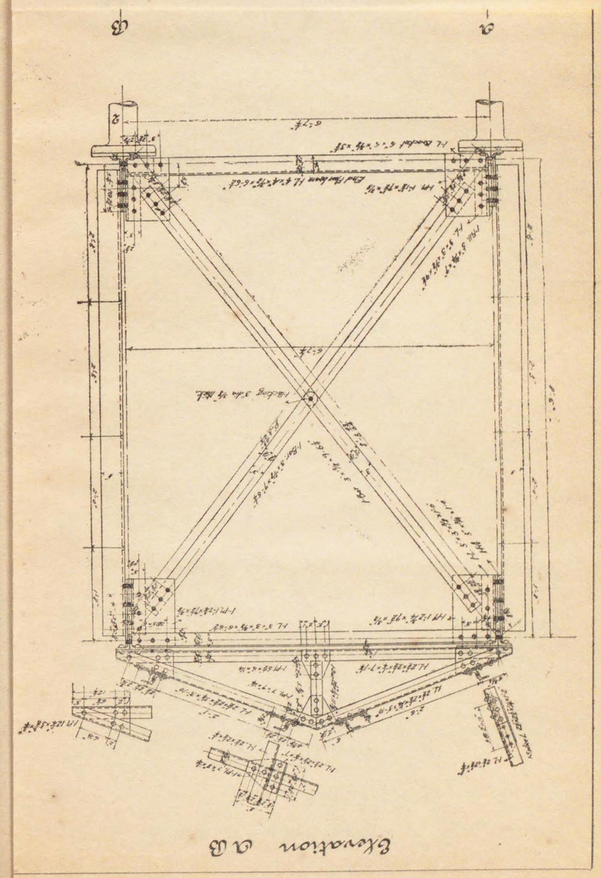
圖第三四號（一四）



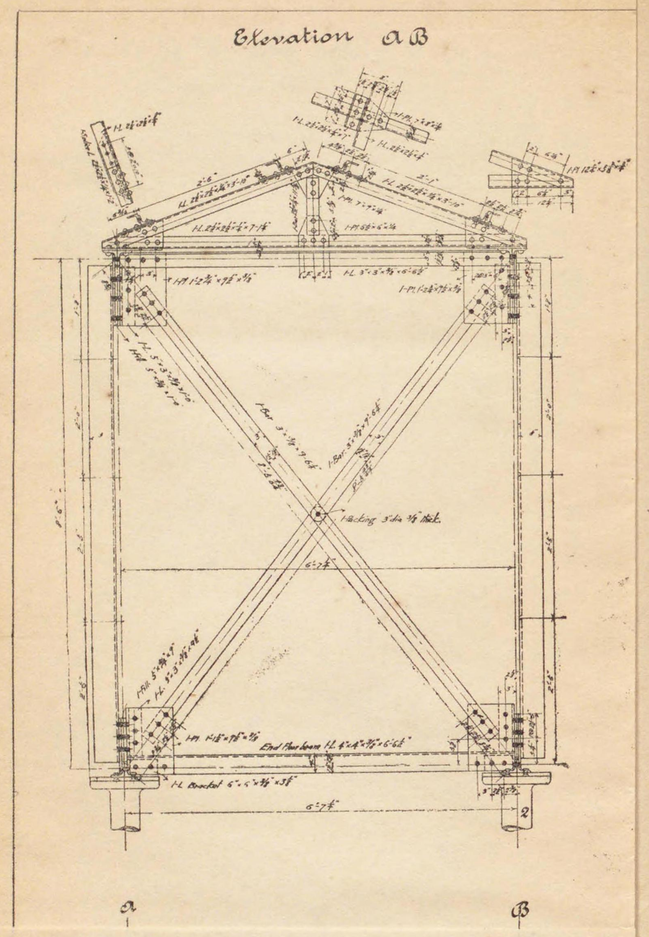
Scale: 1=10

Elevation

圖版三四號（一四）　鋼橋標準桁下ハ一ハニ



Elevation AB


Elevation AB
A
B