DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

The Takada Aluminium Mfg.Co.,Ltd. had been engaged in the metal plate processing works since its establishment in 1942 to August 15, 1945, and the plant has been closed after the termination of the war, but the experienced technical experts are remaining at the plant, and there are also experienced old employees still residing in the village without any job. So it is quite easy and appropriate to convert this plant into a new operation and the production of superior products is fully assured.

5. Articles produced at the designated establishment and their annual production quantity.

Articles	1942	1943	1944	1945
Aircraft Floating Boat	250	300	300	200
" Wing	40	48	48	32
" Flap	200	240	240	160
" Engine Cover	50	60	60	40
" Engine-Bed	200	240	240	160

6. Term of operation under permit.

Two years after date of permit or until the evacuation of the equipment.

7. Monthly production quantity during the period.

The expected monthly production quantity is as follows:-

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Unit - Pieces

Articles	1st Month	2nd Month	3rd Month	4th Month
Stainless Steel Wares and Tablewares:-				
300 mm.,Stainless Steel Tray	1,800	1,900	2,000	2,000
250 mm.,Stainless Steel Tray	1,800	1,900	2,000	2,000
300 mm.,Stainless Steel Wash Basin	1,300	1,400	1,500	1,500
250 mm.,Stainless Steel Frying Pan	1,800	1,900	2,000	2,000
200 mm.,Stainless Steel Mixing Bowl	1,300	1,400	1,500	1,500
Universal Steel Support for Mining	500	800	1,200	2,000
Manufacture of, and repairs to, the Paper and Pulp Machine parts	As per separate prospectus			

8. Name and address of the purchaser of product.

1. Yoshikawa Kogyo K.,K.,

   Tsubame-machi, Niigata-ken.

2. Mitsui Mining Co.,Ltd.,

   1 Nichome, Nihonbashi-Muromachi, Chuo-ku, Tokyo.

3. Toyama Mill, Kokoku Rayon Pulp Co.,Ltd.,

   16 Nakajima, Toyama City.

9. Extent of alteration in the shape and nature of equipment.

The manufacture of high grade paper being the final object of this Company, E.X. 100 inches Fourdrinier paper machines with complete subordinate set are under preparation but it will take about two years before their coming into operation in view of the existing shortage of supplies and financial difficulty. The present petition is for an authorized use of 57 idle machines designated for reparation.

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10. Estimated expenditure for use of the designated equipment.

If new machines are to be installed, enormous amount of expenditure is required but in case the permit is granted for the use of the designated equipment for reparation, the expenditure will be quite small, being only for the equipment of moulds, as noted below:-

Articles of Production	Required Tools	Required Expenditure
Stainless Steel Wares and Tablewares:-		
300 mm.,Stainless Steel Tray	5 sets Cutting Moulds Bending Moulds	¥50,000.-
250 mm.,Stainless Steel Tray	5 sets - Ditto-	50,000.-
300 mm.,Stainless Steel Wash-Basin	4 sets - Ditto-	55,000.-
250 mm.,Stainless Steel Frying Pan	6 sets - Ditto-	50,000.-
200 mm.,Stainless Steel Mixing Bowl	4 sets - Ditto-	50,000.-
Universal Steel Support for Mining	11 sets - Ditto-	240,000.-

11. Plan for continued production after evacuation of the designated equipment.

It is not an easy undertaking to complete various machines and to start operations under the existing economic condition, but in case a permission might be granted for an authorized use of the machines for reparation, the operations might be continued even after the evacuation of the equipment by saving necessary fund for purchase of new machines.

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DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

Attached Table No. 1

Particulars of Employees

	Operatives	Custody Members	Office Clerks	Total	Remarks
Present Employees		Male 15	Male 6 Female 1	22	
Additional Employees	Male 34 Female 5	-	Male 2	41	
Total	39	15	9	63	

Explanation concerning the relation between the used equipment and the personnel.

41 operatives for 57 machine tools.

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DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

Attached Table No. 2

Specification of Designated Machines for Reparation

Code No.	Name of Machines	Number	Application for Authorized use or Not to be used
42-5-8	Shearing Machine - Rotary Slitting	1	Application for authorised use
9	"	1	"
10	Shearing Machine - Square	1	"
11	Cut-off and Sawing-hack	1	"
12	Bending Machine - Plate and Sheet, Press	1	"
13	Mechanical - 1 Point Vertical	1	"
14	"	1	"
15	Bending Machine - Plate, Press	1	Not to be used
16	"	1	"
17	Shearing Machine - Square	1	Application for
18	Bending Machine - Plate, Shapes	1	authorized use
19	"	1	Not to be used
20	"	1	"
21	Mechanical Press - Friction, Spindle	1	Application for
22	Hydraulic Press - Vertical	1	authorized use
23	Polishing and Buffing - Belt	1	"
24	"	1	"
25	Bending Machine - Plate, Flanging	1	"
26	" Plate, Beading	1	"
27	" Plate, Shapes	1	Not to be used
28	Band Saw - Tilting Table	1	Application for
29	Shearing Machine - Square	1	authorized use
30	Testing & Measuring Equip. - Strength of Material	1	"
31	Manual Press - Floor	1	"
32	Bending Machine - Plate, Shapes	1	Not to be used
33	" Plate, Smoothing	1	"
34	" "	1	"
35	" "	1	"
36	" "	1	"
37	" "	1	"
38	" "	1	"
39	" Plate, Shapes	1	"
40	Grinder - Stand and Snagging	1	Application for
41	Polishing and Buffing - Bench, Double Head	1	authorized use
42	Grinder - Stand and Snagging	1	"
43	Lathe - Engine, Gap. C.S.D.	1	"
44	Drilling Machine - Vertical	1	"
45	Furnace - Heating, Elec. (Resistance) 150 K.V.A., 20 K.V.A.,	1	"

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Attached Table No. 2 (Continued)

Code No.	Name of Machines			Application for Authorized use or Not to be used
42-5-46	Furnace - Heating, Elec. (Resistance) 150 K.V.A., 20 K.V.A.,		1	Application for authorized use
47	Bending Machine - Plate, Smoothing		1	"
48	"		1	Not to be used
49	"		1	"
50	Compressor - Reciprocating, Cir. Single Acting		1	Application for authorized use
52	Transformer - 3 Phase, 200 K.V.A.		1	"
53	" 170 K.V.A.		1	Not to be used
54	Oil Circuit Breaker		1	"
55	Bending Machine - Plate, Shapes		1	"
56	" Plate, Smoothing		1	Application for authorized use
57	Shearing Machine - Arrigator, Manual		1	Not to be used
58	Bending Machine - Plate, Shapes		1	Application for authorized use
59	Lathe - Engine, Gap. C.S.D.		1	"
60	Oxy. - Acetylene Cutting Machine		1	"
61	Drilling Machine - Vertical		1	"
62	Lathe - Engine, Gap. I.M.D.		1	"
63	Lathe - Engine, I.M.D.		1	"
64	"		1	"
65	"		1	"
66	Planer - Double Head		1	"
67	Shaper - Horizontal		1	"
68	Manual Press - Floor		1	"
69	Milling Machine - Knee, Horizontal		1	"
70	Milling Machine - Knee, Vertical		1	"
71	Drilling Machine - Bench		1	"
72	Cut-off and Sawing-hack		1	"
73	Drilling Machine - Bench		1	"
74	Welding Machine - Electric, Arc. A.C.		1	"
75	Shearing Machine - Square, Manual		1	"
76	Sand Blast		1	"
77	Transformer - Single Phase, 350 K.V.A.		1	"
78	" 42-5-137 Switch Gear	Accessory	1	Permission is granted for authorized use
79	" 42-5-138 Switch Gear	Accessory	1	Application for authorized use
80	Transformer - Single Phase, 600 K.V.A.		1	Application for authorized use
81	"		1	"
82	" 15 K.V.A.		1	"
83	"		1	"
84	" 40 K.V.A.		1	"
85	"		1	"
86	"		1	"
87	Oil Circuit Breaker		1	Permission is granted for authorized use
88	Transformer - Current Transformer		1	"
89	"		1	"

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Attached Table No. 2 (Continued)

Code No.	Name of Machines		Application for authorized use or Not to be used
42-5-90	Generator - Motor Driven, 10 K.V.A. D.C.	1	Not to be used
91	Compressor - Reciprocating, Air, Single Acting	1	"
92	Frequency Changer - 25 K.V.A.	1	"
93	Transformer - Single Phase, 25 K.V.A.	1	"
94	Compressor - Reciprocating, Air, Single Acting	1	"

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Attached Table No. 3

Application for Additionally

Authorized Use

Equipment Applied for Additionally Authorized Use	Number	Remarks
Machines for which permission is granted for ~~authorized~~ temporary use	5	
Machines for which application is made for additionally authorized use	57	Particulars marked in Table No. 4
Machines not in authorized use	24	
Total	86	

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DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

興國人絹

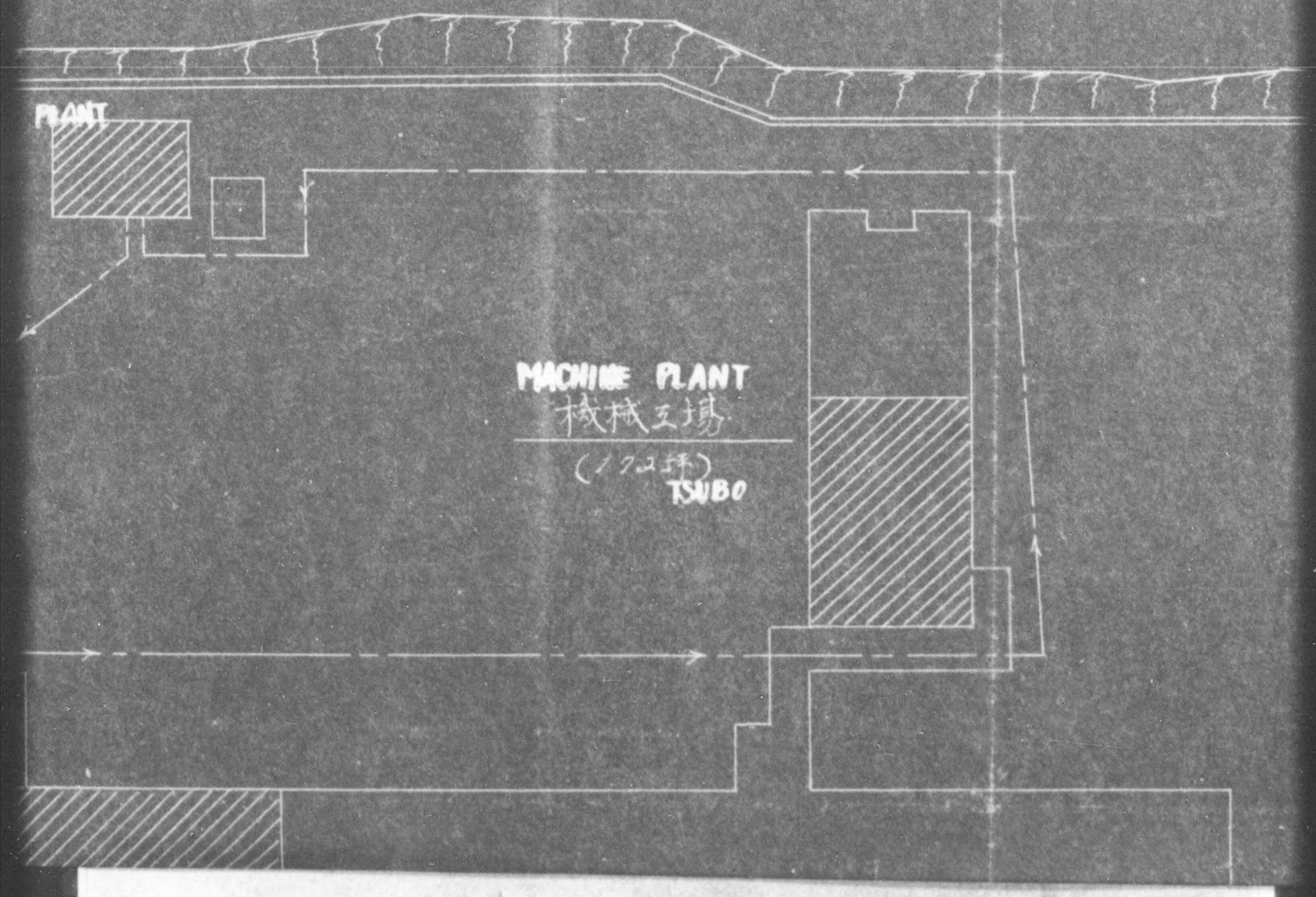
TRANSFORMER PLANT
変電所
(3ヶ所)
TSUBO

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

NIREHARA PLANT

KOKOKU RAYON PULP CO. LTD

興國人絹パルプ株式會社 楡原工場



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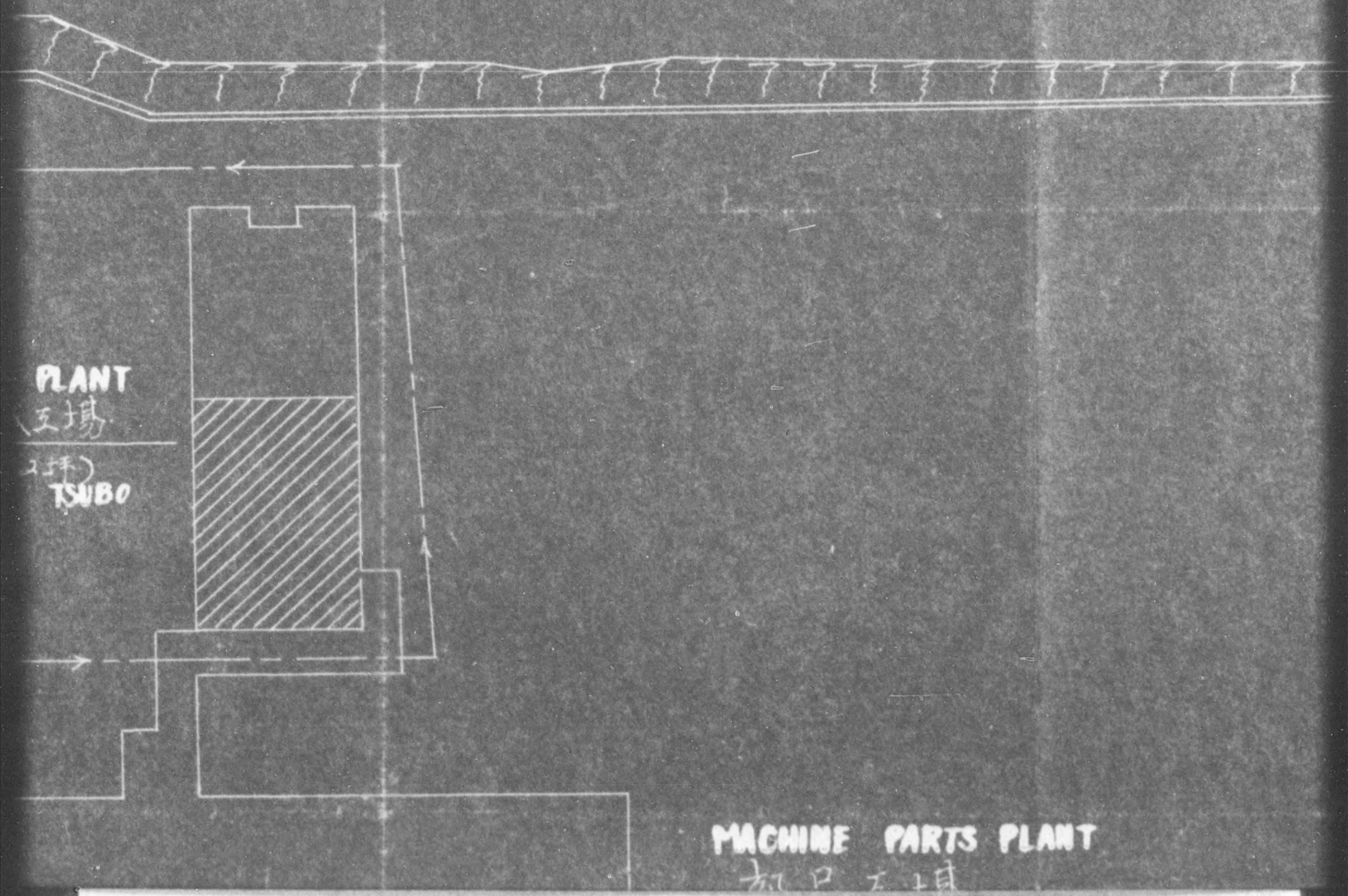
HARA PLANT

RAYON PULP CO. LTD.

プ株式會社 榆原工場



MACHINE PARTS PLANT

機具工場

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

CHINE PARTS PLANT
工具工場

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

株式会社 NIKKEIKAKU

NIKEHARA PLANT
榆原工場

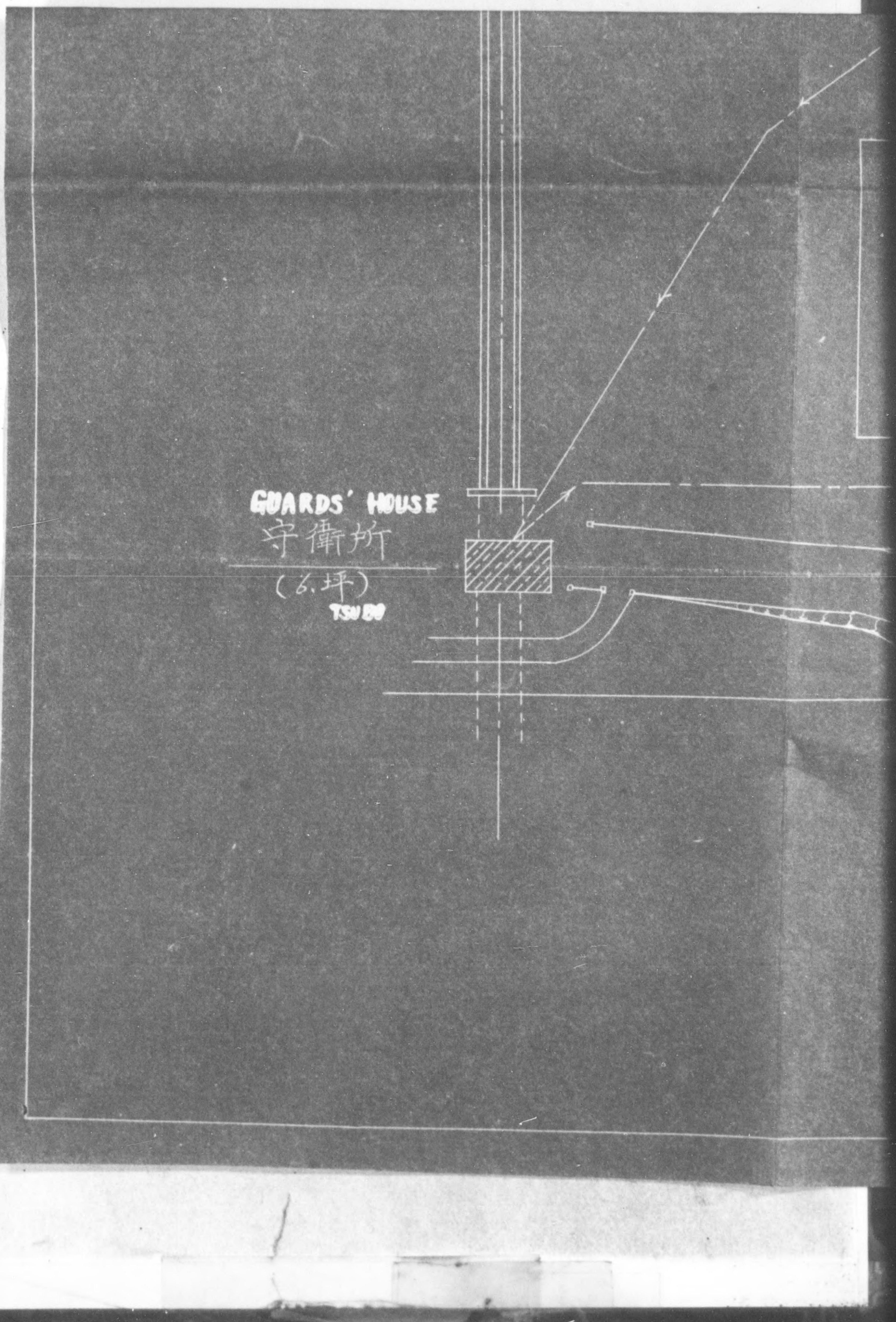
MAP SHOWING THE LOCATION OF MACHINES FOR REPARATION
賠償機械現在別圖

JUNE 15, 1949
昭和弐拾四年六月拾五日

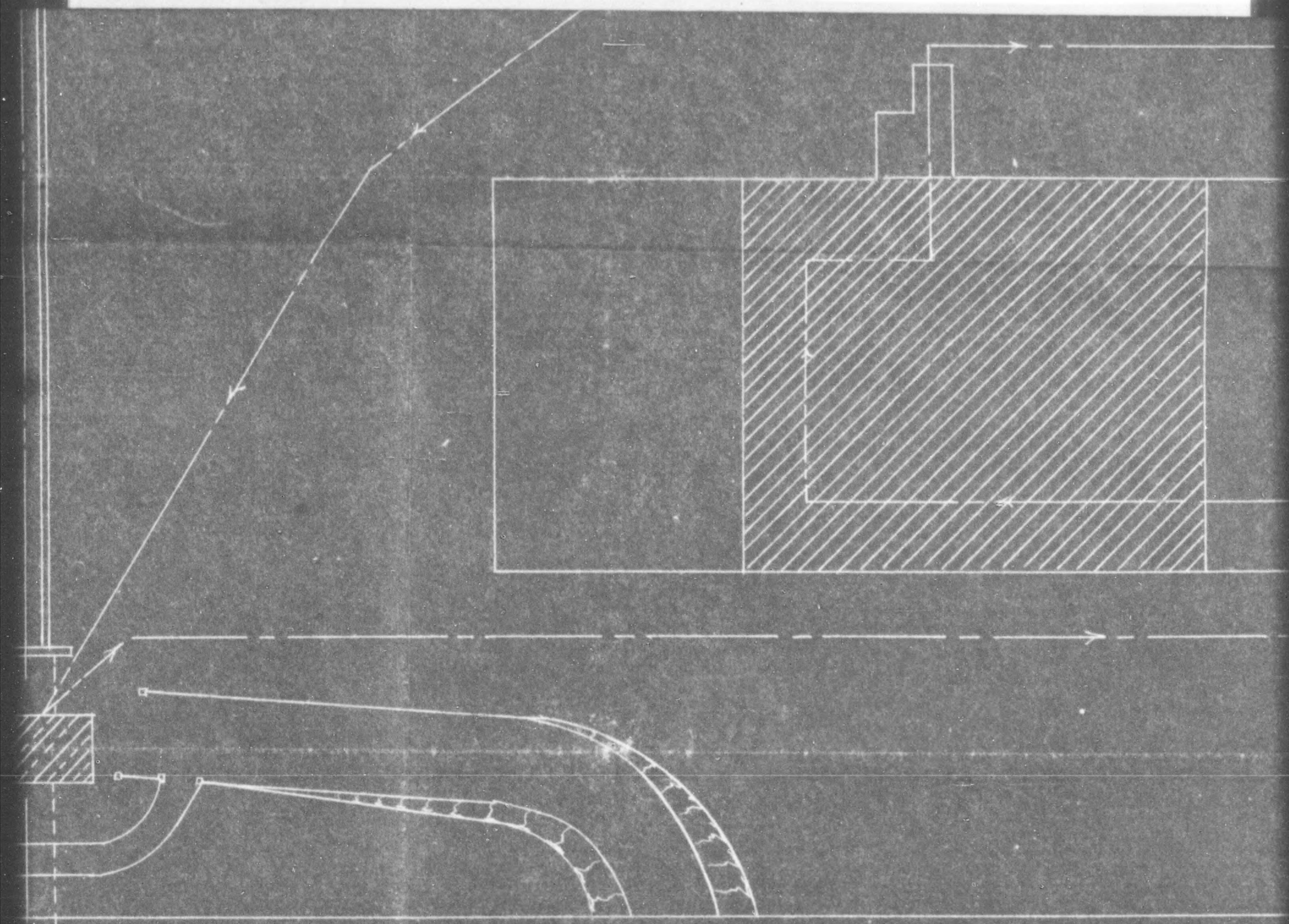
MACHINES FOR REPARATION
賠償機械現在別

GUARDS AND WATCHMEN

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013



DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013



DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

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MACHINE PARTS PLANT
部品工場
(1600坪)
TSUBO

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

MACHINE PARTS PLANT
部品工場
(1600坪)
TSUBO

WATCH
見

AIR COMPRESSOR
空気圧縮機室
(42坪)
TSUBO

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

MACHINES FOR REPARATION
日時賞械械現在所

GUARDS AND WATCHMEN
守衛所及見張所

PATROL LINE
警備員巡回線

WATCHMEN'S HOUSE
見張所
(3坪)
TSUBO

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

However there wasn't enough time for investigation, the report sent Jan, 31st was based on record having in main office in Osaka, but, later on discovered some mistake on report by investigating the factory so we are a gain sending correct one.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

Form A-5

1. Name of Firm

Romaji: Kabushikikaisha Takada Aluminium Seisakusho

Kanji: 株式会社高田アルミニューム製作所

2. Address: No.5,1cho,Minamiikushimacho,Sakai City,Osaka Pref.

3. Name of Plant: The Toyama Factory

4. Address: No.3200,Mirehara,Hosoirimura,Nehigun,ToyamaPref.

5. Raw materials used at capacity production:

Description	Quantity per Month	Value in Yen
Special steel	8,000 Kg	¥ 12,000
Aluminium and its alloy	16,000 Kg	¥128,000
Total	24,000 Kg	¥140,000

6. Products at ca pacity production with present workable equipment:

Description	Quantity per Month	Value in Yen
Float	50 Pcs.	¥ 450,000
Wing	4 "	¥ 60.000
Flap	20 "	Y- 80,000
Motor cover	5 "	¥ 10,000
Motor flame	20 "	¥ 40,000
Total		¥ 640,000

Remark; At present of the end of the war.

7. Equipment in Plant (Complete specifications including capacity, type, and year of manufacture are required for each unit.)

A. Production equipment:

Description	No.of Unit
Electric scissors	2
Cutter	3
Power saw	1
Sawing machine	2
Brake press	1
Power press	5
Friction press	1
Spindle	3
Hollowing machine	6
Plate bending machine	1
Former	12
Hand press	2
Grinder	3
Ba nd grinder	2
Excentric press	2

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Description	No. of Unit
Radial drilling machine	1
Drilling machine	2
Table drilling machine	2
Lathe	6
Milling ma chine	1
Chipper	1
Plano miller	2
Circular saw	2
Hand cutter	2
Electric furnace	2
Nitric salt bath	1
Reverberatory furnace	1
Band saw	×5
Automatic cutting machine(by gas)	1
Welding machine(by electricpower)	2
Sand blast machine	1
Hydro press	1
Material testing machine	1
T o t a l	~~81~~ 80

B. A uxiliary equipment.

Description	No. of Unit
Motor	28
Generator	2
Electric destribution board	27
Trans former	14
Current changing machine	2
Magnet improver	1
Inductive frequency converter	1
Boiler	1
A ir compresser	4
Gas producing machine	2
Oil regulator	2
T o t a l	83

Signature of Executive.

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Form A-6

Name of Firm: The Takada Aluminium Works Co.,Ltd.

Address: No.5,1cho, Minamiikushima cho, SakaiCity, Osaka Pref.

Name of Plant: The Toyama Factory.

Present Machine Tool Equipment	No.	Number of Machines made in Japan	abroad
2. Horizontal lathes with lead screw, up to 1000 mm center distance	6	6	0
10. Radial drilling machines	1	1	0
11. Vertical drilling machines	1	1	0
16. Planing machines	2	2	0
23. Tool grinding machines	5	5	0
27. Universal Milling machines with hor. spindle up to 80 mm(in front bearing)	1	1	0
31. Bearing and punching machines	5	5	0
32. Sheet forming and folding presses	1	1	0
34. Spindle presses	×5	×5	0
40. Hack saw	2	2	0
41. Other sawing machines	1	1	0
Machines not listed above	~~50~~	~~50~~	0

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

Form A-6-E

Name of Firm: The Takada Aluminium Works Co., Ltd.

A ddress: No.5, 1cho, Minamiikushimacho, SakaiCity.

Name of Plant: The Toyama Factory.

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1. Total power required at capacity production with present workable equipment: Kilowatt 250 K.W.H.(Total of war time)

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2. Employees at present:

	War time	Present
Male workers:	750	0
Female :	348	0
Technicians :	25	0
Clerical staff:	125	0
T o t a l	1248	0

3.

Present Installation	Number	Total aggregate capacity
Steam boilers	1	Heat. surf. sq. ft. 10
Electric generators	2	Kw. 50
Electric transformers	13	Kw. 870
Electric motors	28	Kw. 390
Compressors	4	Kw. 300
Cranes	0	Kw. 0
Smelting Furnaces	0	Kg/day 0
Steel Furnaces	0	Kg/day 0
Alloy Furnaces	0	Kg-day 0

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Name of Firm: The Takada Aluminium Works Co., Ltd.

Name of Plant: The Toyama Factory.

Address: No. 3200, Nirokura, Hosorumura, Nenigun Toyama Pref.

Production equipment

Mark	Name of Equipment	Type or Size	Maker	Year of Mfgt	Year of Setting	No.	Remarks
1	Electric scissors				1942	1	
2	" "				"	1	
3	Cutter	1 M.	Nissin Iron Works.		"	1	
4	Sawing machine		Yamato machine mfg		"	1	
5	Brake press		Aoki Roll mfg Co Ltd.		1943	1	
6	Power press				1943	1	
7	" "				"	1	
8	Spindle	—	Kitahara Press Mfg. Co.		1942	1	
9	"		"		"	1	
10	Cutter	2 M			1942	1	Require Repair
11	Hollowing machine		Riken Air machine Mfg		"	1	
12	" "		"		"	1	
	" "				"	1	Require Repair
14	Friction press	300 ℔	Mori Iron Works		1943	1	
15	Hydro press	100 ℔			1945	1	not finish
16	Band grinder		Iwata Iron Works		1943	1	Require Repair
17	" "		"		"	1	"
18	Spindle				"	1	
19	Former				"	1	
20	Plate bending machine				"	1	
21	Power saw				1942	1	
22	Cutter	1 M	Nissin Iron Works		"	1	
23	Material testing machine		Fuji Testing machine mfg		"	1	
24	Hand Press				"	1	
25	Former		Esaki Iron Works		"	1	
26	"				"	1	
27	"		Esaki Iron Works		"	1	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

						1	Require Repair
14	Friction press	300 ℔	Mori Iron Works		1943	1	
15	Hydro press	100 ℔			1945	1	not finish
16	Band grinder		Iwata Iron Works		1943	1	Require Repair
17	" "		"		"	1	"
18	Spindle				"	1	
19	Former				"	1	
20	Plate bending machine				"	1	
21	Power saw				1942	1	
22	Cutter	1 M	Nissin Iron Works		"	1	
23	Material testing machine		Fujii Testing machine mfg		"	1	
24	Hand Press				"	1	
25	Former		Esaki Iron Works		"	1	
26	"				"	1	
27	"		Esaki Iron Works		"	1	
28	"		"		"	1	
29	"		"		"	1	
30	"		"		"	1	
31	"		"		"	1	
32	Hollowing machine		Riken Air machine mfg		"	1	Require Repair
33	Grinder				"	1	
34	"				"	1	
35	"				"	1	
36	Radial drilling machine		Shindo Mfg Co.	1941	1944	1	Borrow from Kawasaki
37	Lathe	6			1942	1	Mi Aircraft Co
38	Drilling machine				"	1	
39	Electric furnace	150 KW	Okutani Mfg Co.		"	1	
40	Nitric salt bath	150 KW	"		"	1	
41	Electric furnace	20 KW			"	1	Require Repair
42	Reverberatory furnace				1943	1	
43	Former				"	1	
44	"				"	1	
45	"				"	1	Require Repair
46	Band Saw				"	1	
I ①	motor	½ H.P	Matsushita Electric Works		1942	1	Use for I-1
②	"	"	Hitachi Mfg Co		"	1	" I-2
③	"	2	Matsushita Electric Works		"	1	" I-3
④	"	1			"	1	" I-4
⑤	"	25	Mitsubishi Electric Works		1943	1	" I-5
⑥	"	2	Shibaura Electric Works		1942	1	" I-8
⑦	"	2	"		"	1	" I-9
⑧	"	10	Mitsubishi Electric Works		"	1	" I-10

Mark	Name of equipment	Type or Size	Maker	Year of mfgt	Year of Setting	No.	Remarks
I (9)	Motor	15 H.P	Hitachi Mfg. Co.		1943	1	Use for I-14
(10)	"	5	Mitsubishi Electric Works		1944	1	" I-36 Borrow
(11)	Generator	40 KW	Sekiwan Seiko	1943	1943	1	from Kawanishi K.K
(12)	Electric dist Board				"	12	
(13)	Transformer	170 KVA			"	2	
(14)	Electric dist Board				"	1	
(15)	Gas generator				1942	1	
(16)	"				1944	1	Borrow from Kawanishi
II-1	Hollowing machine				1943	1	Require Repair
2	Former				"	1	
III-1	Hand cutter				"	1	Borrow from Aichi Koku
2	Hollowing machine				"	1	Require Repair
IV-1	Lathe	6"			"	1	Require Special Repair
V-1	Automatic cutting machine				"	1	
2	Cutting machine		Hirakawa Iron Works		1942	1	
3	Lathe	6"	Kanno machine mfg.		"	1	
4	"	"	"		"	1	
5	"	"	Tezo machine mfg		"	1	
6	"	9"	Riken Jukok		"	1	
7	Milling machine	6"			"	1	
8	Chipper		Kaido machine mfg		"	1	
9	Hand press				"	1	Require Repair
10	Kano miller	Horizontal	Maruwa machine mfg		"	1	
"	"	Vertical	Mantai Iron Works		"	1	
12	Table drilling machine				"	1	
13	Sawing machine				"	1	
14	Table drilling machine				"	1	Require Repair
15	Electric Cutting machine				"	1	"
16	"				"	1	Borrow from Kawanishi
17	Hand cutter				"	1	
(1)	Motor	1 H.P	Hitachi Mfg Co		"	1	Use for V-2
(2)	"	1/2	"		"	1	" V-3
(3)	"	1/2	"		"	1	" V-4
(4)	"	1/2					

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2	Former			[illegible]	1	[illegible] Repair
III-1	Hand cutter			"	1	
2	Hollowing machine			"	1	Borrow from Aichi Koku
IV-1	Lathe	6"		"	1	Require Repair
V-1	Automatic cutting machine			"	1	Require Special Repair
2	Drilling machine		Hirakawa Iron Works	1942	1	
3	Lathe	6"	Kanno machine mfg.	"	1	
4	"	"	"	"	1	
5	"	"	Toyo machine mfg	"	1	
6	"	3"	Riken Jukok	"	1	
7	Milling machine	6"		"	1	
8	Chipper		Daido machine mfg	"	1	
9	Hand press			"	1	Require Repair
10	Plane miller	Horizontal	Nanwa machine mfg	"	1	
11	"	Vertical	Nankai Iron Works	"	1	
12	Table drilling machine			"	1	
13	Sawing machine			"	1	
14	Table drilling machine			"	1	Require Repair
15	Electric welding machine			"	1	"
16	"			"	1	Borrow from Kawanishi
17	Hand cutter			"	1	
(1)	Motor	1 HP	Hitachi Mfg Co	"	1	Use for V-2
(2)	"	5	"	"	1	" V-3
(3)	"	5	"	"	1	" V-4
(4)	"	5		"	1	" V-5
(5)	"	5	"	"	1	" V-6
(6)	"	3	Matsushita Electric Works	"	1	" V-7
(7)	"	3	Riken	"	1	" V-8
(8)	"	3	Hitachi Mfg. Co	"	1	" V-10
(9)	"	3	Matsushita Electric Works	"	1	" V-11
(10)	"	1/4	"	"	1	" V-12
(11)	"	1		"	1	" V-13
VI-1	Sand brast machine			"	1	
VII (1)	Transformer			"	10	
(2)	Electric dist. Board		Soira industry	"	9	
(3)	Oil regulator	3500 T	"	"	1	
(4)	Current changing machine		"	"	2	
(5)	Magnet improver	1/3 KW	Nitto Electric Works	"	1	
(6)	Generator	10 KW	"	"	1	
(7)	Motor	20 H.P	Yasukawa Electric Works	"	1	Use for-5 6
VIII (1)	Boiler			1945	1	not finish
XI-1	Circular saw			1943	1	
(1)	Motor	1 HP		"	1	Use for XI-1
XII-1	Circular saw			"	1	
(1)	Motor	5 HP		"	1	Use for XII-1
(1)	Air compressor	100 HP	Fukamoto Trading Co	"	1	Require Repair
(2)			[illegible]			

(3)	Oil regulator	3.7 KW	Sora Industry			1	
(4)	Current changing machine		"		"	1	
(5)	Magnet improver	1/3 KW	"		"	2	
(6)	Generator	10 KW	Nitto Electric Works		"	1	
(7)	Motor	20 H.P	"		"	1	
(8)	Boiler		Yasukawa Electric Works		"	1	Used for 5-6
XI-1	Circular saw				1945	1	not finish
(1)	Motor	1 H.P.			1943	1	
XII-1	Circular saw				"	1	Used for XI-1
(1)	Motor	5 H.P			"	1	
(1)	Air compressor	10 H.P			"	1	Used for XII-1
(2)	"	"	Bukamoto Trading Co		"	1	Require Repair
(3)	"	"	Teikoku Sokuyo Co		"	1	
(4)	"	"	Koji Iron Works		"	1	
(5)	Motor	"	Hitachi Mfg. Co		"	1	Use now from No. 6
(6)	"	"	"		"	1	Use now from No. 7
(7)	"	"	Shibaura Electric Works		"	1	Used for XV-2
(8)	"	"	Hitachi Mfg Co		"	1	Used for XV-3
(9)	"	"	Chuo Electric Works		"	1	Broken for stock room

M.&K	Name of Equipment	Type or Size	Maker	Year of Mfg.	Year of Delivery	Qty	Remarks
X-(2)	Electric dist. board				1943	5	
(2)	Transformer	25 K			"	1	Use for XV-1
(2)	Inductive frequency converter	-	Hitachi Mfg Co		"	1	
(2)	Oil regulator		Minamiguchi Electric Works		"	1	

1	Power Press					1	Moved to Sakai Factory
2	" "					1	& Requiring special repair
3	" "					1	" "
4	Excentric Press					1	Moved to Komatsu Factory
5	" "					1	" "
6	Wood planning machine					1	" "
7	Bandsawing machine					1	" "
8	" "					1	" "
9	Circular saw with movable table					1	" "

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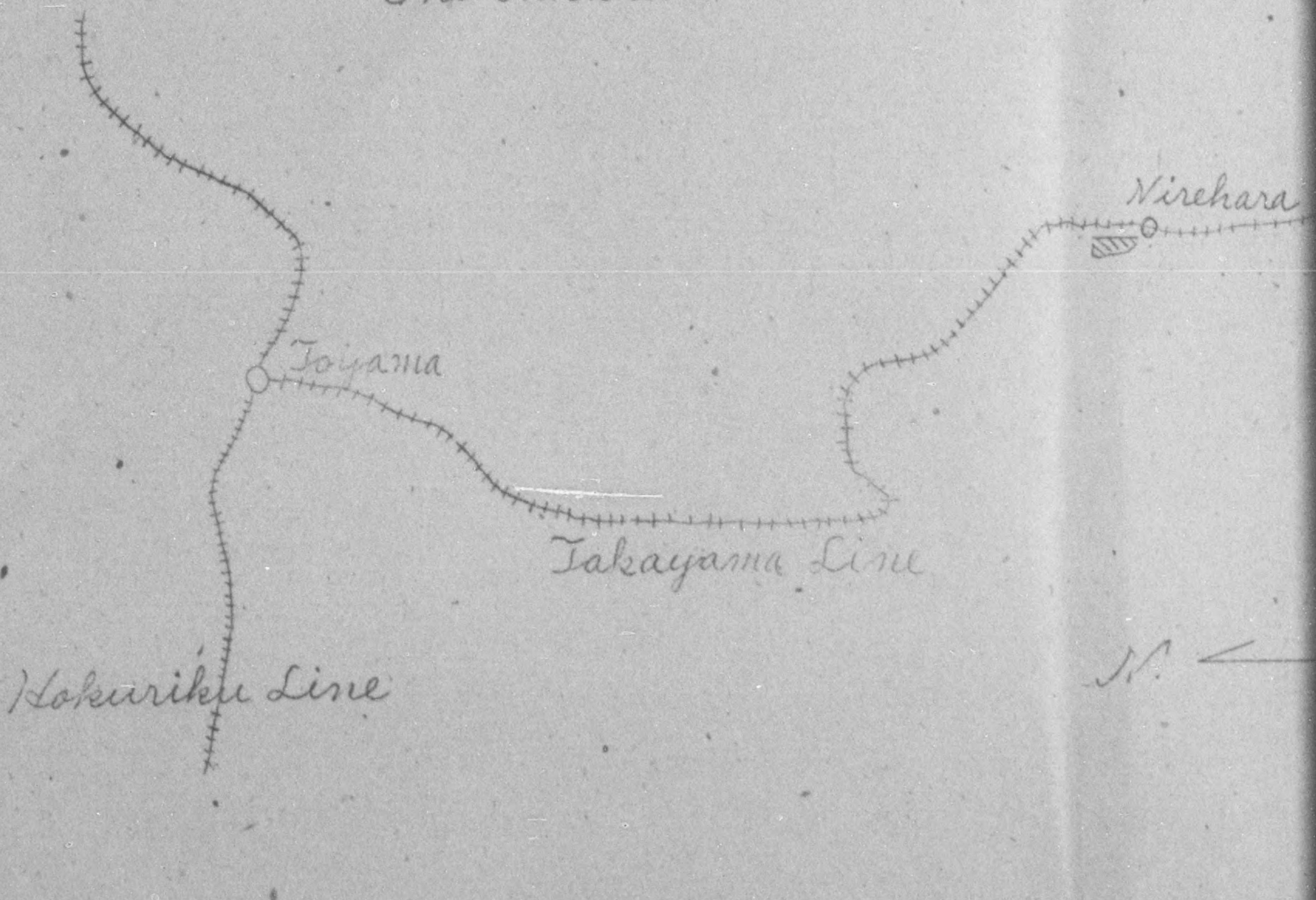
A Sketch of the neighbourhood.
The Takada Aluminium Works, Ltd.



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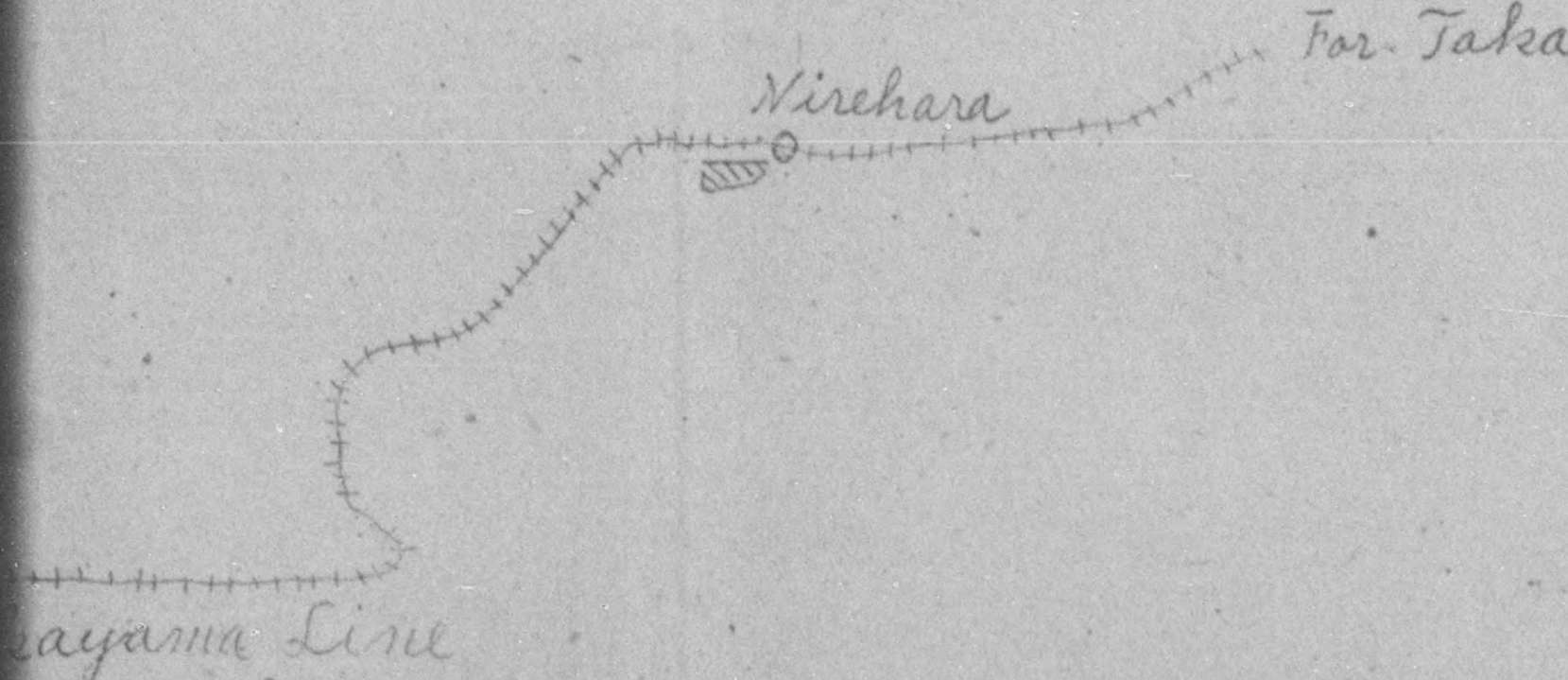
the neighbourhood.
da Aluminium Works, Ltd. Toyama Plant.



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1. Layout Figure

The Takaoka Aluminium Works. Ltd.

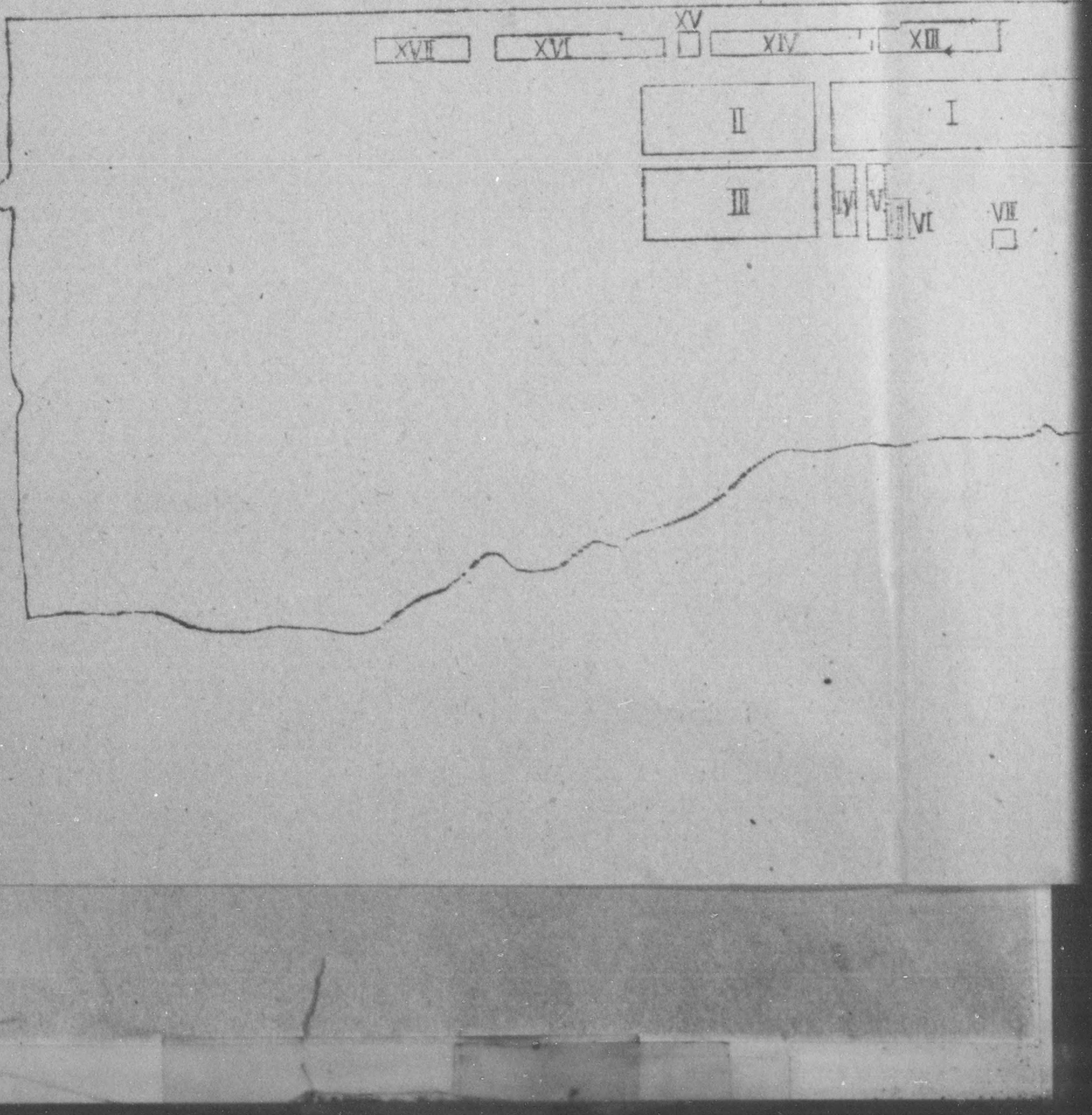

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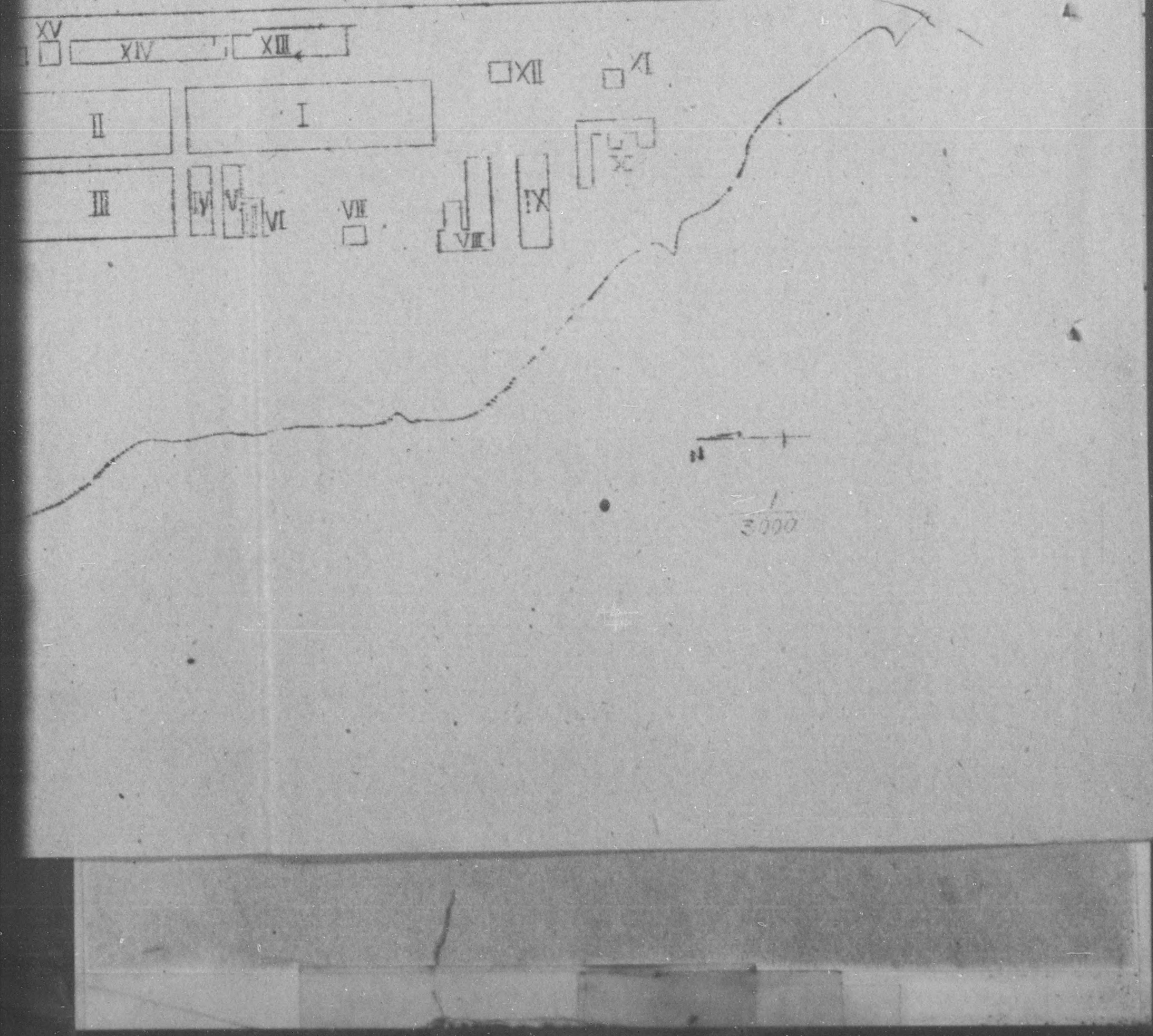
Figure

Aluminium Works. Ltd. Toyama Plant.



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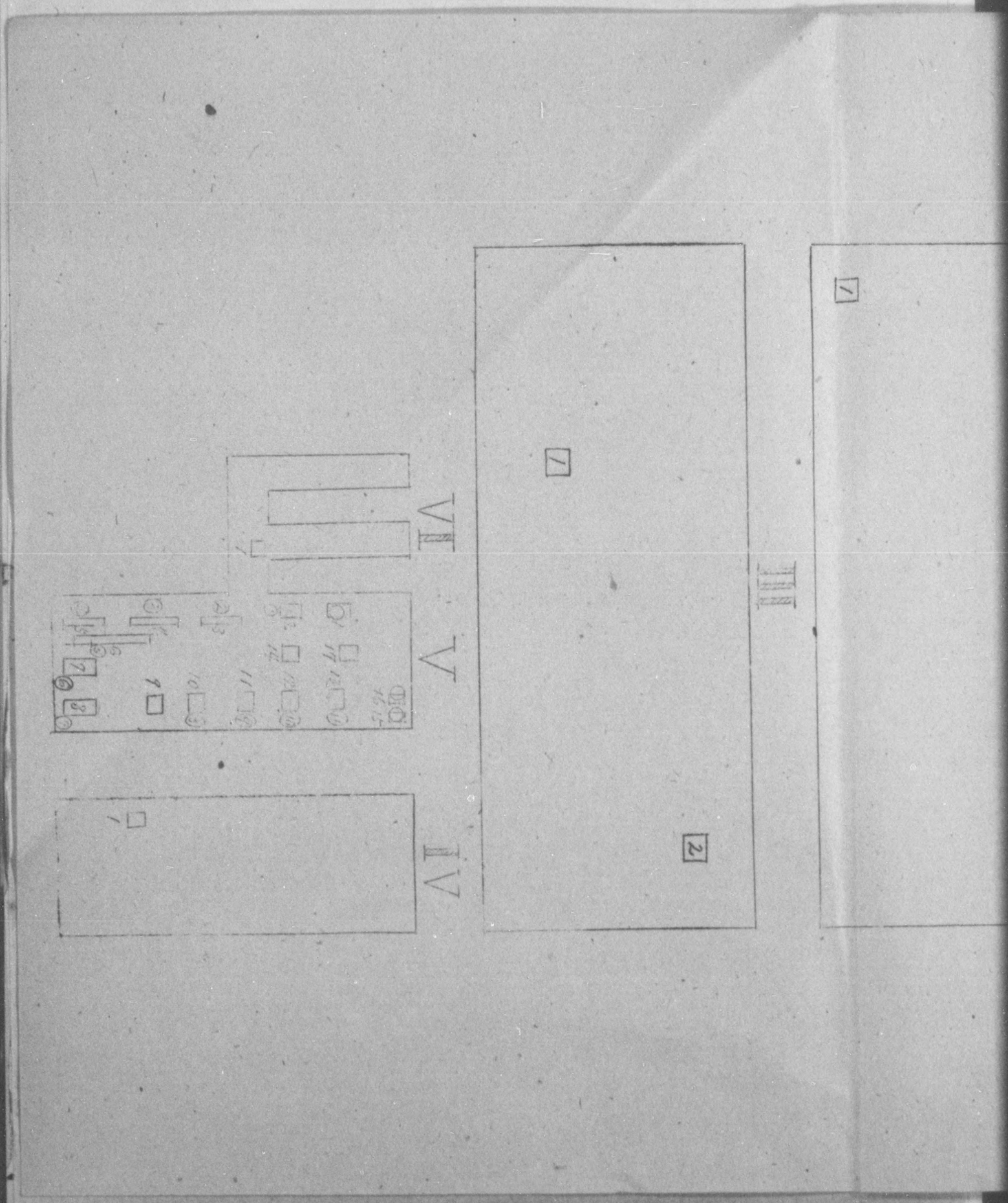

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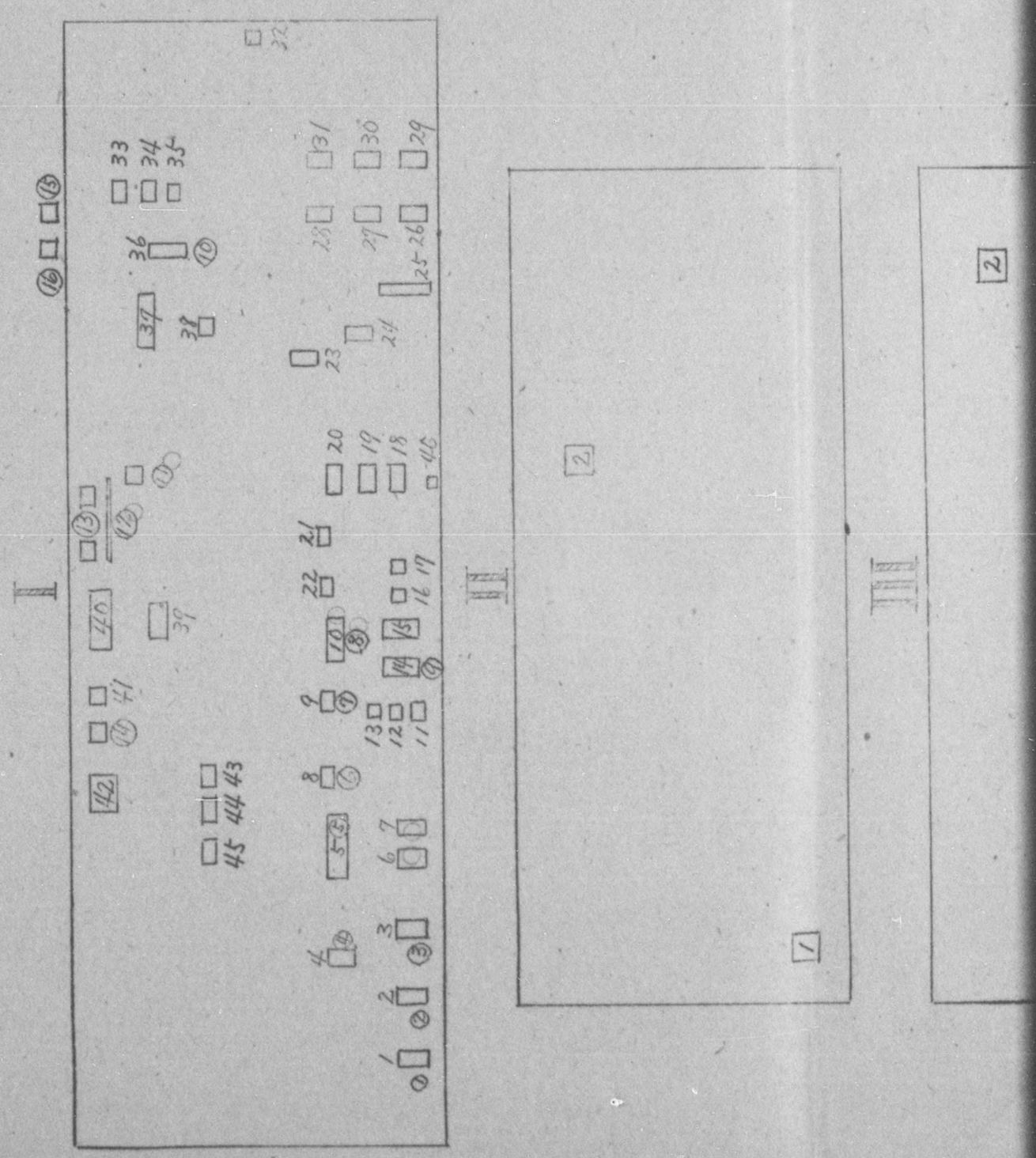

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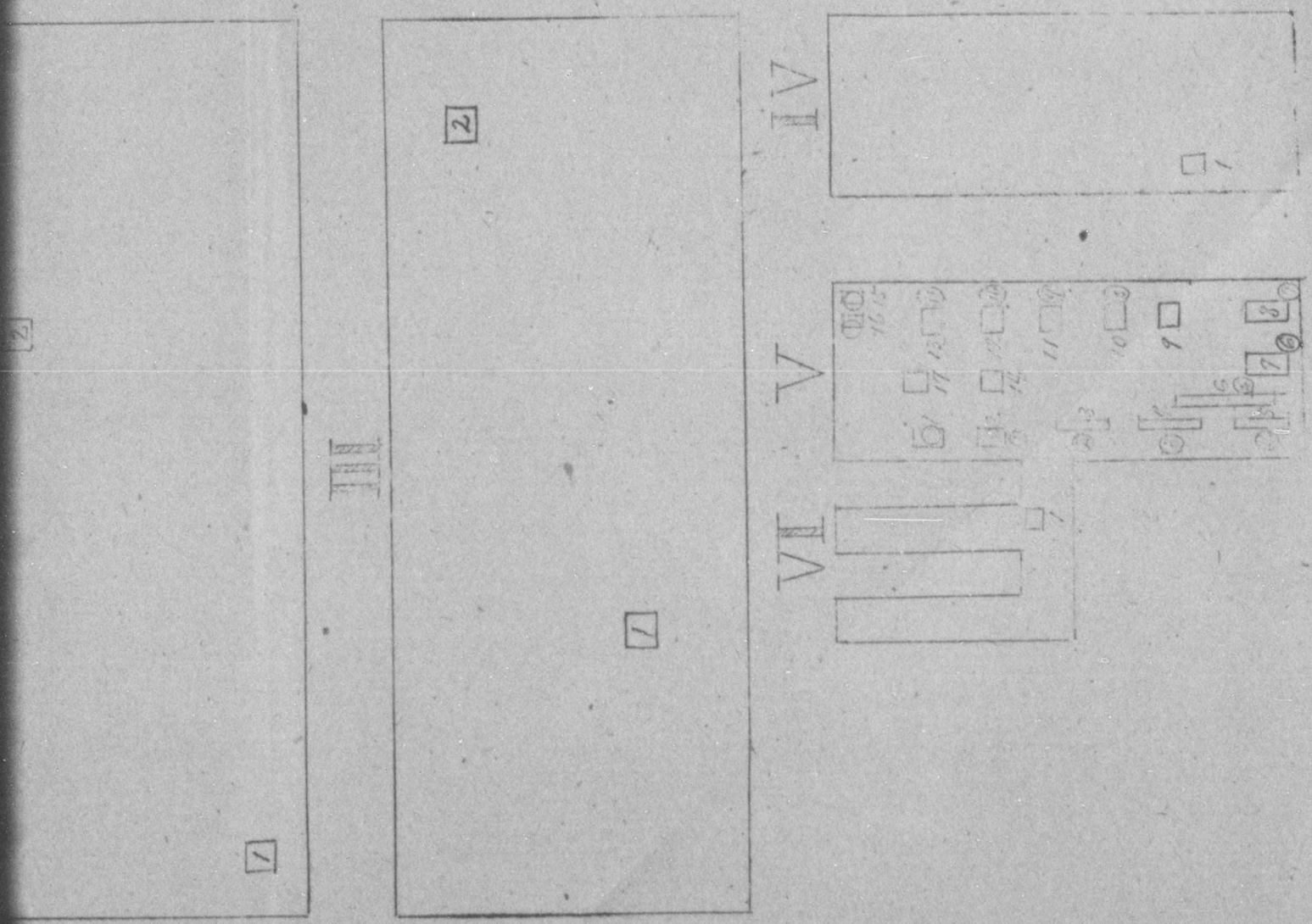
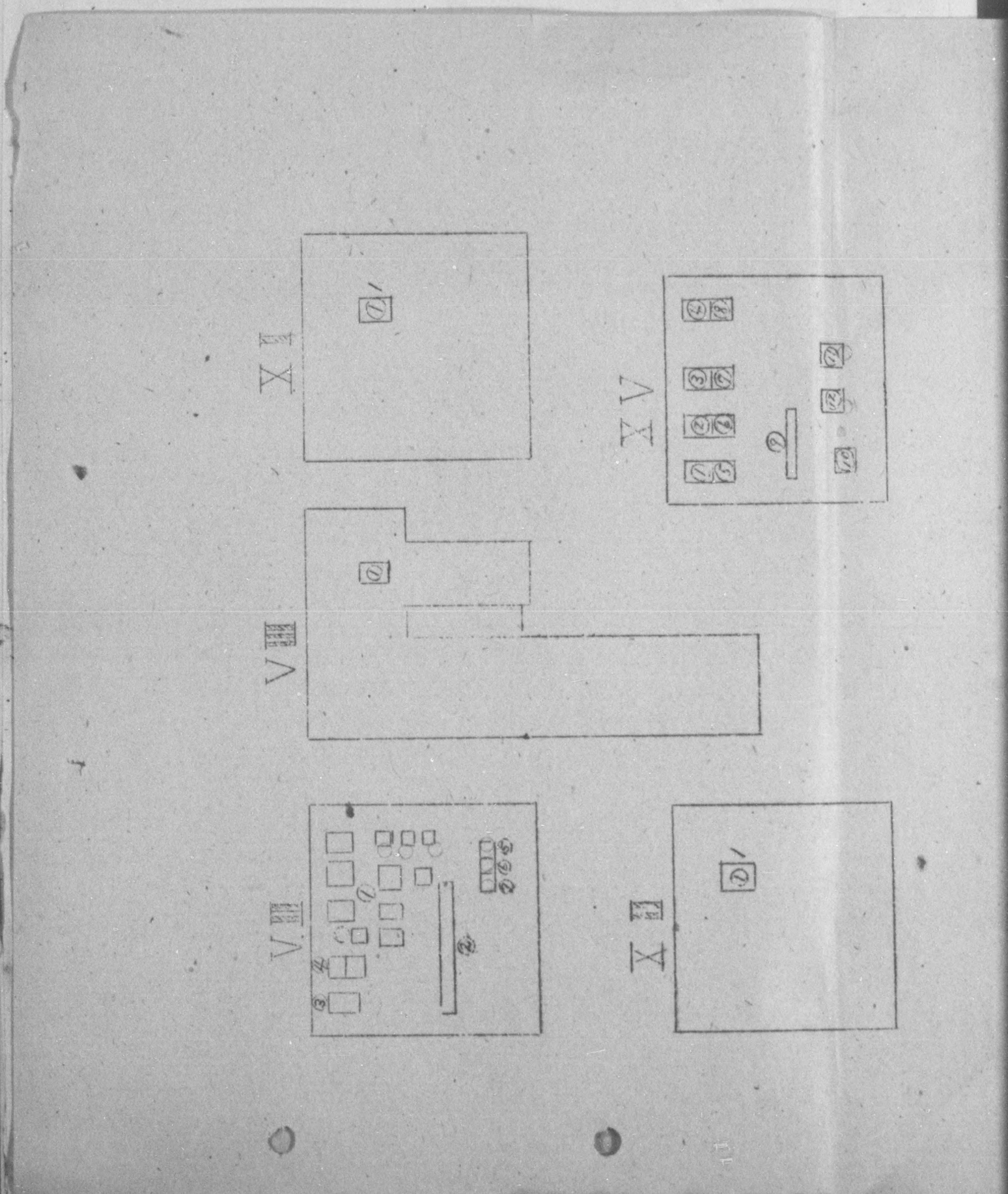
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