

GHQ/SCAP Records (RG 331, National Archives and Records Service)

Description of contents

(1) Box no. 3018

(2) Folder title/number: (6) (end)
 Eleventh Aeronautical Arsenal

(3) Date: Oct. 1950 - May 1951

(4) Subject:

Classification	Type of record
9212, 9230	z

(5) Item description and comment:

- 1) Hiroshima
- 11) Includes Contents List

(6) Reproduction: Yes No

(7) Film no.

Sheet no.

(Compiled by National Diet Library)

11-06
11th Air-Arsenal

DATE	SUBJECT	ISSUING HEADQUARTERS & INCORPORATION
3 Oct. 50	Removal and Storage of Machines and Tools of CHUKO Section, No.1 area of Ex-11th Naval Air Arsenal of Hiro; Petition for.	Toyo Pulp Co. Ltd.
9 Oct. 50	Application for Movement and Authorized Use of Designated Repair Machinery and Equipment	Shinko Metal Ind. Company Ltd.
10 Oct. 50	Application for Movement and Authorized Use of Designated Repair Machinery and Equipment	Daifuku Machinery Works Ltd.
10 Oct. 50	Application for Movement and Authorized Use of Designated Repair Machinery and Equipment	" "
10 Oct. 50	Application for Movement and Authorized Use of Designated Repair Machinery and Equipment	" "
10 Oct. 50	Application for Movement and Authorized Use of Designated Repair Machinery and Equipment	" "
19 Oct. 50	Report on Expected Completion Date of Sunken Boat Salvage - Nissan Salvage K.K.	Chugoku Finance Bureau.
23 Oct. 50	Report on Expected Completion Date of Sunken Boat Salvage - Nissan Salvage K.K.	Chugoku Liaison and Coordination Office
1 Nov. 50	Application for Conversion of Designated Repair Plant	Kawaminami Industry Co. Ltd.
1 Nov. 50	Application of Kawaminami Kogyo K.K., 21 August 1950	CCAR - Basic
2 Nov. 50	Removal and Storage of Machines by Toyo Pulp Co. (Non-Repair Plant), 3 Oct. 1950	CCAR - Memo
29 Nov. 50	Petition for Authorized Use of Repair Machinery	Kanto Special Steel Works, Ltd.
15 Jan. 51	Transmittal of Reconversion Permit.	SCAP/ESS
24 Jan. 51	Application for the Authorized Use of Repair Machinery.	Toyo Pulp Co. Ltd.

11-06
11th Air-Arsenal

DATE	SUBJECT	ISSUING HEADQUARTERS & INCORPORATION
26 Jan. 51	Petition for Authorized Use of Reparation Machinery.	Chugoku Finance Bureau
30 Jan. 51	Request for Authorized Use of Reparation Equipment, Kure Ammunition Sub-	Dept. J.L.C.
10 Feb. 51	Application for Movement and Authorized Use of Designated Reparation Machinery and Equipment	Yamacka Nainenki K.K. Mizushima Works, Central Japan Heavy-Industries Ltd.
3 Feb. 51	Application for Authorized Use of Reparation Machinery and Equipment	
16 Feb. 51	Application for Movement and Authorized Use of Designated Reparations Machinery and Equipment	O.M. Spinning Machine Mfg. Co. Ltd.
13 Feb. 51	Application for Authorized Use of Reparations Machinery and Equipment	Toyo Pulp Co., Ltd.
1 March 51	Application for Movement and Authorized Use of Designated Reparation Machinery and Equipment	Hitachi Seisakusho K.K.
19 March 51	Request for Authorized Use of Reparation Equipment, Kure Ammunition Sub-Depot, Hiro Area	SCAP- 9th Ind
22 Feb. 51	Application for Movement and Authorized Use of Designated Reparation Machinery and Equipment	Fuji Denki Seizo K.K.
22 Feb. 51	Application for Movement and Authorized Use of Designated Reparation Machinery and Equipment	Fuji Denki Seizo K.K.
22 Feb. 51	Application for Movement and Authorized Use of Designated Reparation Machinery and Equipment	Fuji Denki Seizo K.K.
22 Feb. 51	Application for Movement and Authorized Use of Designated Reparation Machinery and Equipment	Fuji Denki Seizo K.K.
25 Feb. 51	Application for Movement and Authorized Use of Designated Reparation Machinery and Equipment	Toyo Pulp Co., Ltd.
25 Feb. 51	Application for Authorized Use of Reparations Machinery and Equipment	Toyo Pulp Co., Ltd.
28 Feb. 51	Application for Movement and Authorized Use of Designated Reparation Machinery and Equipment	Hitachi Seisaku- sho K.K.
5 March 51	Application for Movement and Authorized Use of Designated Reparation Machinery and Equipment	Kobe Shipyard & Engine Works, Central Japan H/I

DATE	SUBJECT	ISSUING HEADQUARTERS & INCORPORATION
13 March 51	Application for Emergency Use of Repairs Equipment by Yowa Shoji K.K.	Chugoku Finance Bureau
17 March 51	Application for Movement of Idle Repair Machinery	Toyo Pulp Co., Ltd.
17 March 51	Application for Authorized Use of Repair Machinery and Equipment	Toyo Pulp Co., Ltd.
29 March 51	Petition for Use of Part of Building No. 3 in Chuko Area	Toyo Pulp Co., Ltd.
14 March 51	Application for Movement and Authorized Use of the Designated Repairs Machinery and Equipment	Yokohama Shipyard & Engine Works
6 March 51	Application for Movement and Authorized Use of Desugbated Repair Machinery and Equipment	Nagasaki Shipyard & Engine Works
10 April 51	Petition for Authorized Use of Repair Machineryes	Chugoku Finance Bureau
31 March 51	Application for Movement and Authorized Use of Designated Repair Machinery and Equipment	Hitachi Shipbuilding & Engineering Co., Ltd.
31 March 51	Application for Movement and Authorized Use of Designated Repair Machinery and Equipment	Hiroshima Shipyard & Engine Works
2 April 51	Application for Movement and Authorized Use of Repair Machineryes and Equipments	Ishiguro Hatsu-denki Seizosho Y.K.
4 April 51	Application for Movement and Authorized Use of Designated Repair Machinery and Equipment	Tamashima Diesel Works, Ltd. Tamashima Plant
24 April 51	Petition for Authorized Use of Repair Machineryes	Chugoku Finance Bureau
25 April 51	Petition for Authorized Use of Repair Machineryes	Chugoku Finance Bureau
31 March 51	Application for Movement and Authorized Use of Designated Repair Machinery and Equipment	Hitachi Shipbuilding & Engineering Co.
5 April 51	Application for Movement and Authorized Use of Designated Repair Machinery and Equipment	Daiwa Sangyo K.K.
9 April 51	Application for Movement and Authorized Use of Designated Repair Machinery and Equipment	Daifuku Machinery Works, Ltd.

DATE	SUBJECT	ISSUING HEADQUARTERS & INCORPORATION
9 April 51	Application for Movement and Authorized Use of Designated Reparation Machinery and Equipment	Daifuku Machinery Works, Ltd.
17 April 51	Application for Movement and Authorized Use of Designated Reparations Machinery and Equipment	Hachimannen Motor Co., Ltd.
17 April 51	Application for Movement and Authorized Use of Reparations Machinery and Equipment	Tanaka Kikai K.K.
23 April 51	Application for Movement and Authorized Use of Designated Reparations Machinery and Equipment	Kure Industrial Experimental Station
26 March 51	Application for Movement and Authorized Use of Designated Reparations Machinery and Equipment	Japan Steel Works Ltd., Hiroshima Works
10 April 51	Application for Conversion of Designated Reparation Plant	Tomo Shintetsu Kogyo K.K.
2 May 51	Application for Movement and Authorized Use of Designated Reparations Machinery and Equipment	Japan Steel Works Ltd., Hiroshima Works
24 April 51	Application for Movement and Authorized Use of Designated Reparations Machinery and Equipment	Mayor of Kure City
27 April 51	Application for Movement and Authorized Use of Designated Reparation Machinery and Equipment	Kure Industrial Experimental Station
30 April 51	Application for Authorized Use of Reparation Machinery and Equipment	Toyo Pulp Co., Ltd.
2 May 51	Application for Movement and Authorized Use of Designated Reparations Machinery and Equipment	Mihara Locomotive & Air Brake Works, Central Japan
2 May 51	Application for Movement and Authorized Use of Designated Reparation Machinery and Equipment	Hitachi Seisakusho K.K.

APPLICATION FOR MOVEMENT AND AUTHORIZED
USE OF DESIGNATED REPARATION MACHINERY AND EQUIPMENT

Date: 2 May, 1951

TO : Ministry of Finance.

FROM: President of Hitachi Seisakusho K.K.
Address: No.12, 2-chome, Marunouchi, Chiyoda-ku, Tokyo.

1) Name and Location of the plant which intends to use designated reparation machinery and equipment.

Name : Kameido Plant, Hitachi Seisakusho K.K.
(Non-Reparation Plant)

Location: No.180, 8-chome, Kameido-machi, Koto-ku, Tokyo.

2) Name (Code No. Category) and Location of the plant where designated reparation machinery and equipment to be used actually exist.

a) Name : 11th Aero Arsenal (Kawanishi Co., Ltd.)

Code No.: 11-06 (8)

Category: Naval Arsenal

Location: No.11, 5-chome, Hiro-machi, Kure-city, Hiroshima Pref.

b) Name : 11th Aero Arsenal (Hitachi Co., Ltd.)

Code No.: 11-06 (10)

Category: Naval Arsenal

Location: Hiro-machi, Kure-city, Hiroshima Pref.

3) List of the designated reparation machinery and equipment to be moved and used.

a) 11th Aero Arsenal (Kawanishi Co., Ltd.)

Code No. 11-06 (8)

<u>Inventry No.</u>	<u>Name</u>	<u>Remarks</u>
924	Milling Machine	Idle
545	Generator-D.C.-Motor	"

11-6 II

- b) 11th Aero Arsenal
Code No. 11-06 (10)

<u>Inventory No.</u>	<u>Name</u>	<u>Remarks</u>
239	Milling Machine	Idle
<u>Total</u>	<u>3 sets</u>	

(The details are shown on the attached list.)

- 4) Necessity for movement and use of machinery and equipment.

- a) The purpose of the use:

Milling Machines are to be used for manufacturing various kinds of jigs and tools and parts of motors; generator (D.C.) is to be used for electrolysis grinding of the cases of Switch Box, Controller and Registers etc.

- b) Reason:

The Kameido Plant is devoting itself to manufacturing of various kinds of Air Compressors, Blowers, Fans, Standardized Motors, Pole Transformers, Controlling Apparatus and etc., which are contributing to the development of Japanese industry. Especially, with the big demand of the electric power, coal mine, textile and foreign country, the machining work has been much more increased.

Therefore, we are compelled to promote the working efficiency in manufacturing the superior products as promptly as possible, by the rationalization and the reinforcement of productive capacity.

However, there are much obstructions still exist in the machining work though we have reinforced the functions with the reparation designated machinery under the permission, ESS, GHO, 22 Sept 1950, RAR No.962.

As one of the obstructions is as follows:

Because of the greater part of machine tools operating in Kameido Plant were made before 1940, and are mostly old type, they have been already worn-out and have shown diminution of efficiency and precision.

Hence, we desire to replace worn-out machinery with the said milling machines in order to improve the manufacturing

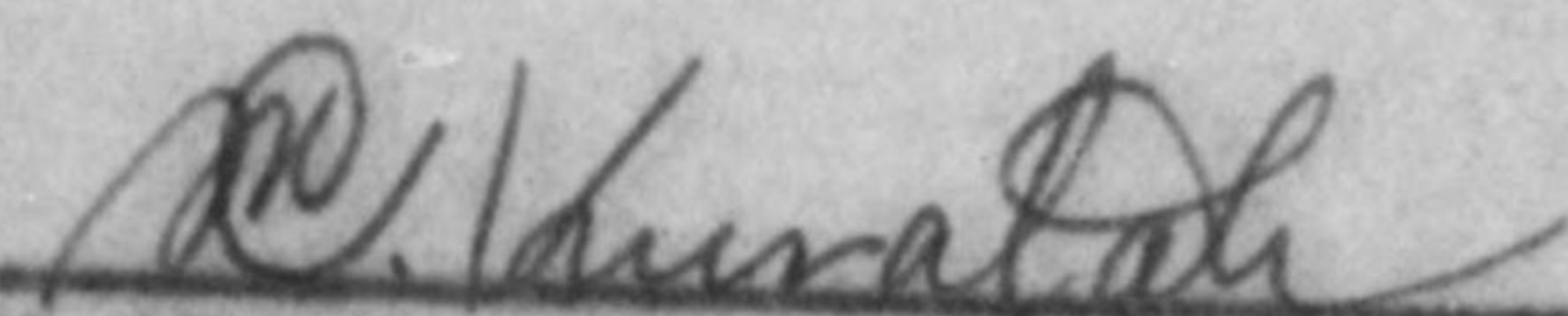
technique and the quality of products.

In coating the cases of switch boxes, controllers, registers and so on, we have been using the inefficient three treating method, that is, buffing, ground coating and final coating. And at present, as we don't have any D.C. generator, we are obliged to use direct current generated from remodeled welder for the electrolysis grinding method, which is the most efficient method, but its power is only 8 KW and not fit for practical use. If we can get the D.C. generator, we shall be able to promote the working efficiency as well as the quality of products by using the electrolysis grinding method.

In view of the fore going reasons, we hereby apply for authorized use of 3 sets of reparation machineries now lying idle in the 11th Aero Arsenal (Code No. 11-06 (8) and 11-06 (10)). And we intend to contribute greatly to the development of Japanese industry.

It is sincerely hoped that your most favorable consideration be given to this application in earlier date.

Signed


Chikara Kurata,
President of Hitachi
Seisakusho K.K.

List of Facilities for Application

Code No. : 11-06 (8)

Name of Plant: 11th Aero Arsenal (Hitachi Seisakusho K.K.)

Address : No. 14, 20, Hiro-machi, Kure-city, Hiroshima Pref.

1. Machinery:

<u>Inv. No.</u>	<u>Name of Machinery</u>	<u>Name of mfg. Co.</u>	<u>Brief Specification</u>	<u>Q'ty</u>	<u>Sheet No.</u>	<u>Section of Evaluation</u>
924	Milling Machine	Osaka Kikai, Japan	Vertical, Knee No.2 Table Travel L x Cross x V 650x330x300m/m Table Size 1500x300m/m	1	P.140	Integrated Facility.
545	Generator	Mitsubishi Denki, Japan	D.C.-Motor compound Winding, 42KW, 60V, 700A 1160r.p.m. 8 Poles	1	P.197	"
<u>Total</u>				<u>2 sets</u>		

Applicant: Hitachi Seisakusho K.K.
(Kameido Plant)

List of Facilities for Application

Code No. : 11-06 (10)

Name of Plant: 11th Aero Arsenal

Address : Hiro-machi, Kure-city, Hiroshima Pref.

1. Machinery:

<u>Inv.No.</u>	<u>Name of Machinery</u>	<u>Name of mfg.Co.</u>	<u>Brief Specification</u>	<u>Q'ty</u>	<u>Sheet No.</u>	<u>Section of Evaluation</u>
239	Milling Machine	Cincinnati, U.S.A.	Knee-Type, Vertical Standard, Dial Table Travel Longl x Cross x Vert. 895x450x400m/m Working Surface Table Lx W 1600 x 385	1	P.468	Integrated Facility

Total1 set

Applicant: Hitachi Seisakusho K.K.

(Kameido Plant)

APPLICATION FOR MOVEMENT AND AUTHORIZED USE OF
DESIGNATED REPAIRS MACHINERY AND EQUIPMENT

Date: 2. May 1951

To : Minister of Finance Mr. Hayato Ikeda

From: Mihara Locomotive & Air Brake Works, Central Japan Heavy-
Industries, Ltd. No. 5007, Itozaki-cho, Mihara City,
Hiroshima Prefecture.

1) Name (Code No.) and Location for the Plant which intends to use designated repair machinery and equipment:

Mihara Locomotive & Air Brake Works, Central Japan Heavy-
Industries, Ltd. No. 5007, Itozaki-cho, Mihara City,
Hiroshima Prefecture. (Non-Designated)

2) Name (Code No.) and Location of the Plant where designated repairs machinery and equipment to be used actually exist:

11th Aero Arsenal, (No. 11-6)

3) List designated repairs machinery and equipment to be moved and used:

Code No. 11-6

Name of Plant: 11th Aero Arsenal

Address of Plant: Hiro-Machi 1, Kure City

1. Machinery

Inventory No.	Name of Machinery	Brief Specification	Quantity	Remarks
11-6(8)-907	Gear Tooth Grinder- Generat-Spur	Manufactured by Maagzuririch Switzerland Max. Dia.=280x60x7mm	1 set	To be moved to our factory at Itozakicho Mihara after approval.

4) Necessity for Movement and Use of Machinery and Equipment:

Details are furnished as on the separate sheets attached.

11-6 II

-2-

NECESSITY FOR MOVEMENT AND USE OF MACHINE AND EQUIPMENT

A: Purpose of Use

The equipment is to be used for manufacturing mechanical parts for locomotives and freight cars needed for export, special demand and domestic use, and also parts for machinery of vessels and chemical apparatus.

B: Reason

1. Japan is just on her way of economical re-construction post war, where, owing to the greater demand of various materials for rehabilitation of industries in fields, need in expansion of transportation facility has increasingly required higher production rate of locomotives with better quality. Our excellent skill and technical know-how in manufacturing locomotives have been well recognized by wider circles, which is shown in continuous shipping of these manufactured items for export to Siam, Korea, Philippine and other Pacific areas.

Particularly, our superiority in manufacturing skill is highly valued of late, which results in our receipt of numerous orders from various parties. We are exerting ourselves for increasing production with our efficient skill, years' experience and completed facilities, in order to meet demand for many kinds of parts for locomotives, freight cars and shipping machinery for both inland and oversea use and special procurement service, thus wishing for some contribution toward the economical re-orientation of Japan.

2. The orders received by us, the Mihara Locomotive & Air Brake Works, recently are:

- "Mikai" Locomotives for F.S.S.
- "D-51" Steam locomotives for Formosa.
- "EF-15" Electric locomotive for I.G.R.
- "Waki" Type freight cars.
- Tank cars for Benzol and Gasoline
- " " Liquid Ammonia
- " " Liquid Hydrochloric acid
- " " Diesel locomotive
- Air Brake of Rolling stock
- Steam condenser for vessels
- Chemical machinery, etc.

All of staffs and factory hands are making strenuous efforts in one driving power in order to digest orders and to keep the appointed date for supply, operating all the equipments and facilities available.

For the excellent quality of the manufactured goods, rationalization of operation is necessary as well as modernization of facilities with improved machinery and equipments so that cost of production may be reduced with higher efficiency of the goods produced. This is the purpose for which we are now filing an application for authorization of the provisional use of this machine.

-3-

3. We have now no facility of Gear Tooth Grinder Generate Spur. Even after tooth gear is burned down, the important process of grinding will not be available without use of such machine. The tooth gear turned out with absence of that process, owing to the lack of minuteness is one of great factors to result in producing noisy sounds when the finished goods are actually put in use. Therefore, it is of absolute necessity to obtain this machine particularly for production of Diesel Locomotive parts, connecting tooth gear, and also rehabilitating other gears belonging to the various machinery at our factory. However, sorry to say.

The under-mentioned reasons objects us to obtain one:

Maker of Gear Tooth Grinder is very few in Japan, correspondingly the machine is far from obtainable.

Demand of Gear Tooth Grinder recently increasing for its proven efficiency, even if one is found available by order, exorbitant amount of money must be paid for, and also long time wasted pending fulfilment of the order.

To our great joy, meanwhile, the Gear Tooth Grinder whose size comes just suitable to our intended use has been found at the former Naval Arsenal in Kure. Although damaged at several places, it is well repairable. After reconditioning done upon removal to this factory, the Gear Tooth Grinder is intended to be used.

4. Provided the said Gear Tooth Grinder is authorized to be used by us, appreciative cut in production hours taken is expected, based on the actual data, as shown listed below:

- a. Life of tooth gears of Diesel Locomotive and other kinds of locomotive is lengthened three times one of those hitherto.
- b. Possibility of turning out inferior goods are utterly gone.
- c. Production hour is shortened by about 2 hours per set of tooth gear of our machinery for repair.

5. As actual data are furnished and necessity of removal and use of the said Gear Tooth Grinder under our application reasoned above, your authorization of use of the machine, it is obvious, would be a main factor to contribute to improvement of our production, enhancement of export business, and further stimulation of better economical situation of Japan as well as being an effective incentive to other minor industrial output of various kinds. We would appreciate your kind approval.

-4-

C: GENERAL OUTLINE OF OUR FUTURE BUSINESS PROJECT AND PAST

Estimated production (during January 1st, 1951 - May 31st, 1951)

<u>Particulars & items</u>	<u>Quantity</u>	<u>Amount estimated</u>
Rolling stock Heavy steam locomotives for export	12 car sets	¥264,000,000 -
" Light steam locomotives for inland	3 "	12,000,000 -
" Electric locomotives for inland	3 "	30,000,000 -
" Freight cars for F.S.S.	30 "	21,000,000 -
Air Brakes of rolling stock (in freight car set)	5000 "	100,000,000 -
Machinery parts for Steam condensor, Water gate, Chemical machinery, etc.)	100,000,000 -
	Total sum:	<u>¥527,000,000 -</u>

Note: However, without use of the said Gear Tooth Grinder Generat-Spur fulfilment of this aimed production schedule is difficult to attain.

Also, it is expected that our production rate, after use of the Gear Tooth Grinder is authorized, is raised approximately by 0.2%.

Mihara Locomotive & Air Brake Works,
Central Japan Heavy-Industries, Ltd.

S. Taga
S. Taga
General Manager

APPLICATION FOR AUTHORIZED USE OF
REPARATION MACHINERY AND EQUIPMENT

30 April 1951

Ser. No.:TF(K)26-279

TO : The Hon. Hayato Ikeda, Minister of Finance.

FROM: Tadasugu Adachi, Director & President,
Toyo Pulp Co., Ltd.,
1 Higashi Matsushita-cho, Kanda, Chiyoda-ku, Tokyo.

1) Name of Plant, Code No., Designation.

Name : Chuko Area, former 11th Naval Air Arsenal.

Code No.: 11-6(8)

Note: The said Plant was already approved for the conversion to the Kure Plant of our Company by Memorandum No. 367.6(18 Jan. 51) ESB/IND dated 15 January 1951.

2) Location of Plant:

15,500 Tsukuae, Hiro-machi, Kure-shi, Hiroshima-ken.

3) Production: Kraft Pulp.

4) Machinery & Equipment to be used: As per attached.

5) Necessity for Use: As mentioned in the Note, Clause 1, the Kure Plant of our Company was instructed the approval for conversion of the reparation plants of 5,420 tsubo (as shown in the attached map) with 49 sets of machinery set in 70,347 tsubo site. For the present,

1st Period	Kraft Pulp	Yearly Products	10,000 tons
2nd	"	"	20,000 "
3rd	"	"	20,000 "
"	Kraft Paper	"	18,000 "

As you are well aware, the Kraft Pulp manufacturing is to be completed its series of production course for the first time by making arrangements of many equipments to set chemical reaction developed from a plan for a base beside plant equipments in general. The articles written in the attached list, and applied herewith for the approval to be added, are quite useful for general use or special use both mentioned above. All of them are "adaptable in gauge and capacity, and very valuable to be able to function highly", as follows.

- 1) Oil cooler is necessary to make hot water by gas grown on the occasion of pulp cleaning.
- 2) Edge runners are used as reclaimers of used moulding sand, but we want to use them to make shernot bricks from used bricks for constructing or repairing machine foundations.
- 3) 2 tanks are to be used as causticizing tanks for reclaiming used medicine.
- 4) Pump-oil Centrifugal separator is to be used for reclaiming used oil.
- 5) Wall crane and grinder are to be set up in the repair-shop. The former is to be used for laying repaired parts on machines and for transportation of repaired parts, and the latter is to be used for sharpening of cutlery.
- 6) Gasoline-engine generator and motor generator: the former is for emergency electrical sources, and the latter for charging batteries in the transformation room.

Above-mentioned is the direct necessity for use of ¹⁵ sets of machinery applied herewith, otherwise-

- 11-6
II
- 1) Most of the said machinery are of the particular object which was excepted from the selections already applied or approved for the authorized use by other companies or enterprisers. We would like to put them in practical and most effective use,
 - 2) and also to cut down the consumption of huge amount of various metallic materials to be necessary to make anew by using such a large number of machinery written in the attached list.
 - 3) Now we are at the starvation point in pulp conditions as they say.

We would make a quick progress in construction work, and have earlier operation of the plant, and consequently make some contribution earlier to relieve the pulp conditions of our company.

Your favorable consideration and arrangement are requested for our application by all means.

FOR THE PRESIDENT:

Hajime Chida

HAJIME CHIDA
General Manager
Kure Plant, Toyo Pulp Co., Ltd.

POWER OF ATTORNEY

I Tadashi Adachi President of Toyo Pulp Co., Ltd.
constitute and appoint, the Kure plant manager
Hajime Chida of Toyo Pulp Co., Ltd. a true and
lawful attorney for me.

To apply for temporary usage of the reparations
facilities and installments of the former 11th
Japanese Navy Aircraft Ordnance at Hiro-machi Kure,
in the matter of constructing a ~~new~~ plant at the
preceding site.

And generally to do and perform all such acts, matters
and things as my said attorney shall deem necessary
and expedient for the completion of the authority as
fully as I might and could do were I personally present.

Signed

Tadashi Adachi

Title

President

Date

28 Apr 1951

LIST OF FACILITIES FOR
APPLICATION

Code No.: 11-6(8)
Name of Plant: Ex-11th Air Naval Arsenal
Address: Hiro-machi, Kure City, Hiroshima-ken.

Machinery as per attachment

Classification: Machinery
Description: Industrial Machinery

Name of Machinery	Inv. No.	Name of Maker	Brief Specification	Qty.	Condition of Machine	Remarks	Sheet No.
					Class Degree of repair		
Oil-Cooler-Vertical tubular	11-8(8) -176	Hiro Air Naval Arsenal	Cooling surface=243.5 cm ² L=1100 mm	1 1	2	Needs small repairs	173
"	11-8(8) -141	"	"	1 2	"	"	"
Sand-Mill Edg-Runner	11-8(9) - 1	Taiyo Chuki	Cap.=0.7 m ² pan DxH=2000 mm x290 mm I.M.D. A.C. 7.5 HP 220 V 1730 r.p.m.	1 1	"	"	209
"	11-8(9) - 4	"	I.M.D. A.C. 15 HP 220 V 1730 r.p.m.	1 1	"	"	"
Grinder Stand-snagging	11-8(39) - 4	Hitachi Seisaku-Sho	Grinding wheel DxW=300 mm x 50 mm	1 1	1	Moter missing & needs small repair	102
Pump-Oil-Centrifugal Separator	11-6(8) -1948	"	Cap.=34ll/min. H=190 mm	1 1	1	Needs small repair	222
Crane-Wall Whirey-E lectoric	11-6(8) -2003	"	Cap.=2 tons Boom=7.5 m Lift=6.1 m I.M.D. A.C. 2.5 HP 220 V 60 a 1500 r.p.m.	1 2	"	"	260
Centrifugal Pump	11-6(8) -2928	Unknown	Suction dia=75 mm	1 1	"	"	Not yet estimated
Water-Tank	11-6(8) -2929	Hiro Air Naval Arsenal	DxH=4000 mm x3200 mm V=51 m ³	1 3	"	"	"
Moter Gnerator	11-6(8) -2951	Meiden-Sha	D.C. 7.3 kw 1000 r.p.m. A.C. 10 HP 1200 r.p.m.	1 1	"	"	"
Water-Tank	11-6(8) -2959	Hiro Air Naval Arsenal	DxH=4000 mm x4500 mm V=56 m ³	1 3	"	"	"

Name of Machinery	Inv. No.	Name of Maker	Brief Specification	Qty	Condition of Machine	Remarks	Sheet No.
					Class Degree of repairs		
Generator -Engine -Gasoline	11-6(35) - 13	Tomono Tekko- Sho	A.C. 10 HP 220 V 20 a Gasoline engine drive cly. dia. 70 mm stroke=90 mm cylinder=4 500 r.p.m.	1	1	Needs small repairs	269
Surface-Plate	None, but Isem No. 249	Unknown	L=2500 mm W=2500 kg W=1200 mm T= 300 mm	1	2	None	177
Total				13			
Accumulator- Hydraulic	11-6(8)- 2128	"	Piston Press $98 \frac{kg}{cm^2}$ Ram Dia 420 mm Stroke 6500 mm	1	3	Needs Small repairs	235
"	11-6(8)- 2129	"	"	1	3	"	"
Total				15			

C O P Y

GENERAL HEADQUARTERS
SUPREME COMMANDER FOR THE ALLIED POWERS
Economic and Scientific Section
APO 500

387.6 (15 Jan. 51) ESS/ IND

15 January 1951.

MEMORANDUM FOR: Reparations Agency, Tokyo.

SUBJECT: Transmittal of Reconversion Permit

1. Reference is R.A.R. No. 1494 (MS), 7 November 1950, subject: Application for Conversion of a Part, Air Depot (Code No. 11-06(8)) Filed by Toyo Pulp K.K. (Non-Reparations Plant).
2. The attached Reconversion Permit for the Toyo Pulp K.K. is transmitted for your action.
3. A rental fee shall be established for the authorized use of the equipment listed in reference 1, above, based upon current valuation and comparable to rental charges assessed by private interests for the use of similar equipment.
4. This permit is issued subject to any and all directives affecting reparations plants which have been issued or may hereafter be issued by the Supreme Commander for the Allied Powers. Reports will be rendered as required by current directives and instructions.

FOR THE CHIEF, ECONOMIC AND SCIENTIFIC SECTION:

1 Incl
Reconversion Permit

MAURICH M. CLASS
Chief, Industry Division

C O P Y

GENERAL HEADQUARTERS
 SUPREME COMMANDER FOR THE ALLIED POWERS
 Economic and Scientific Section

15 January 1951

SUBJECT: Reconversion Permit for Reparations Plant, R.A.R.
 No. 1494 (MS)

TO: Toyo Pulp K.K.

1. In accordance with Memorandum from the Supreme Commander for the Allied powers to the Japanese Government, dated 22 November 1946 (SCAPIN-1355), the Toyo Pulp K.K. is permitted to produce at the 11th Naval Air Depot located at 15,500 Tsukumo, Hiro-machi, Kure City, Hiroshima Pref. (11-06(8)) the following additional items:-

<u>Item</u>	<u>Maximum Quantity</u>
Kraft Pulp (Nothing Follows)	Unlimited

2. The temporary use of the following additional reparations machinery is authorized:

See attached list of 49 items.

(Nothing Follows)

3. A program will be immediately initiated to substitute non-reparations machinery for reparations machinery in temporary use.

4. The acquisition of material, parts and sub-assemblies as well as the disposition of finished products and the establishment of sales prices will be in accordance with the regulations of the Japanese Government.

5. This permit is issued subject to any and all directives affecting reparations plants which have been issued or may hereafter be issued by the Supreme Commander for the Allied Powers. Reports will be rendered as required by current directives and instructions.

FOR THE CHIEF, ECONOMIC AND SCIENTIFIC SECTION:

MAURICE M. CLASS
 Chief, Industry Division

APPLICATION FOR MOVEMENT AND AUTHORIZED USE OF
DESIGNATED REPAIR MACHINERY AND EQUIPMENT

27 April 1951

TO : Minister of Finance
 FROM: Kazuharu Kusaka
 Kure Industrial Experimental Station Chief
 Address: Koen-dori, 6-chome, Kure City,
 Hiroshima Prefecture.

- 1) Name (Code No.) and location for the plant which intends to use designated repair machinery and equipment.
 Kure Industrial Experimental Station
 Koen-dori, 6-chome, Kure City,
 Hiroshima Prefecture.
- 2) Name (Code No.) and location of the plant where designated repair machinery and equipment to be used actually exist.
 11th Naval Air Arsenal (Code No. 11-6)
 Hiro-machi, Kure City.

- 3) List designated repair machinery and equipment to be moved and used.

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
11-6(8)-1984	Testing M/C-Strength, Fatigue	Load 120 kg worksize	1	Small parts, HP motor missing
11-6(12)-125	Measuring M/C Universal	cap. L.X.D.= 1000x100 mm accuracy 0.001 mm	1	Microscopes, Light equipment, Small parts missing

- 4) Necessity for movement and use of machinery and equipment.
 Kure Industrial Experimental Station has been started lately and we have no many equipment in there, therefore, we hope to permit the authorized use of designated repair machinery for our studies and tests by your sincerely kindness.

K. Kusaka
 KAZUHARU KUSAKA
 Chief of Kure
 Industrial Ex-
 perimental Station

Attached documents:

Approval of the applicant, concerning responsibility of custody for designated repair machinery and equipment.

11-6
 II

APPROVAL OF THE APPLICANT

I will take all responsibility of custody of designated re-
paration machinery and equipment listed in this application, during
the rented times.

K. Kusaka

KAZUHARU KUSAKA,
Chief of
Kure Industrial
Experimental Station.

APPLICATION FOR MOVEMENT AND AUTHORIZED USE OF
DESIGNATED REPAIRATIONS MACHINERY AND EQUIPMENT

TO: The Hon. Hayato Ikeda, Minister of Finance

FROM: Bunsuke Inoue, Acting Mayor of Kure City,
Kure City Hall,
5 Iwakata-dori 5-chome, Kure-shi, Hiroshima-ken.

24 April 1951

1. Name (Code No.) and Location for the Plant which intends to use designated reparations machinery and equipment.
Kure Municipal Transportation Bureau Workshop
Ogura-Shingai, Aga-machi, Kure-shi, Hiroshima-ken.
2. Name (Code No.) and Location of the Plant where designated reparations machinery and equipment to be used actually exist.
Ex-11th Naval Air Arsenal 11-6 11-8
Suehiro, Hiro-machi, Kure-shi, Hiroshima-ken.
3. List of designated reparations machinery and equipment to be moved and used.
As per attached list.
4. Necessity for movement and use of machinery and equipment.
As Kure City was heavily devastated by bombings in wartime, considerable damage was also done to street-cars and buses. Though every effort was done to their recovery, they are still not working in full owing to lack of machines necessary for repairing. Therefore, we would like to have those machines set up in our workshop for quicker repairing and increasing efficiency for citizens' convenience in transportation.

Bunsuke Inoue.
BUNSUKE INOUE,
Acting Mayor.

11-6
II

LIST OF FACILITIES FOR APPLICATION

Code No.: 11-6 11-8
 Name of Plant: Ex-11th Naval Air Arsenal.
 Address of Plant: Suehiro, Hiro-machi, Kure-shi, Hiroshima-ken.

1. Machinery

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
11-8(8) -250	Lathe	Type Gap. S.C.B. 440 m/m S.O.C. 280 m/m S.O.C. 740 " Center/Center Dist 1,700 " Bed length 3,000 " I,M,D, A,C, 5 H.P. Weight 1,200 kg	1	
11-8(8) -919	Slater	Type Vert. Ram Stroke 318 m/m Table size dia. 610 " Table Travel V x C = 470x610 Col/Tool Dist 590 A.C. 5 H.P. Weight 3,000 kg	1	
11-6(10) -17	Drilling M/C	Type Vertl. Spindle/Column 190 m/m " /Table 850 " Tab. size LxW=700x500 A.C. 1 H.P. Weight 400 kg	1	
11-6(10) -223	Grinders	Type External-Cyl.-Plain Swing 400 m/m Center/Center 950 m/m Tab. size 1,950x240 Wheel size 850x80 A.C. 10 H.P. 7.5 H.P. 1.5 H.P. Weight 10,000 kg	1	
11-6(12) -52	Milling M/C	Type Knee- Hori.-Universal. Tab. Travel L X C X W = 780 x 400 x 380 Working Sur. Tab. L x W = 1,340 x 350 Spindle Taper Hole B & S #9 A.C. 10 H.P. Weight 3,000 kg	1	
Total			5	

R Copy K. K. NIHON SEIKOSHO, HIROSHIMA SEISAKUSHO

(THE JAPAN STEEL WORKS, LTD., HIROSHIMA WORKS)

2.186 IRIKAWA, FUNAKOSHI-MACHI, AKI-GUN,
HIROSHIMA-KEN.

PHONE:
HIROSHIMA (2) 2391 & 2392
KAITACHI 6 & 49

Ref. No.

Application for Movement and Authorized Use
of Designated Reparation
Machinery and Equipment

Date: 2 May 1951

TO : Ministry of International Trade and Industry

FROM : K.K. Nihon Seikoso, Hiroshima Seisakusho
(The Japan Steel Works, Ltd., Hiroshima Works)

ADDRESS: 2186 Irikawa, Funakoshi-machi, Aki-gun, Hiroshima-ken

1. Name, Code No. and Location of the Plant which intends to use designated reparation machinery and equipment.

Name: K.K. Nihon Seikoso, Hiroshima Seisakusho
(The Japan Steel Works, Ltd., Hiroshima Works)

Code No.: 11-14

Location: 2186 Irikawa, Funakoshi-machi, Aki-gun, Hiroshima-ken

2. Name, Code No., Category and Location of the Plant where designated reparation machinery and equipment to be used actually exist.

Name: Former Dai-Juunichi Kohkusho (Former 11th Aircraft Arsenal)

Code No.: 11-06(12)

Category: Arsenal

Location: Hiro-machi, Kure-shi, Hiroshima-ken

3. List of designated reparation machinery and equipment to be moved and used.
As per the attached sheet No. 1.

4. Necessity for movement and use of machinery and equipment.

As per the attached sheet No. 2.

THE JAPAN STEEL WORKS, LTD.,
HIROSHIMA WORKS

11-06

II

J. Minakawa
MINAKAWA, Takamitsu, General Manager

ATTACHED SHEET NO. 1

LIST OF THE DESIRED REPARATION DESIGNATED MACHINERY AND EQUIPMENT

Applicant: MINAKAWA Takasitsu

Name of Items	Name of Mfg. Co.	Type and Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
Measuring No.	Societe Swiss	Universal Capacity LxD=1000x100mm Accuracy 0.001mm	11-06(12)-125	Idle	1	Work sheet page 152
"	Tsugami	Angle Max. work size 50 x 150mm	11-06(12)-130	"	1	Work sheet page 153
"	Kuroda	Screw Max. measuring dia. 70mm	11-06(12)-21	"	1	"
"	Nakashima	Gear Max. measuring dia. 175mm	11-06(12)-128	"	1	Work sheet page 152
"	11th Navy Air Arsenal	Gear-Involute Curve Max. measuring dia. 400mm	11-06(12)-132	"	1	Work sheet page 153
"	Shikishima	Bevel gear Max. measuring dia. 200mm	11-06(12)-133	"	1	"
TOTAL					6	

ATTACHED SHEET NO. 2

4. Necessity for Movement and Use of Machinery and Equipment.

Until the termination of war, we had various measuring machines, but they were completely destroyed by fire directly after the war ended. Since we have no accurate measuring machine at present, we feel very inconvenient, and cannot perform any accurate measuring, moreover, when required it is relied upon our neighbor plants.

Recently, large orders for large internal combustion engine, large compressor, rolling mill for steel plate, etc. has been received, and the inspection of these items are relied upon our neighbor plants, but since the quantity is so large it cannot be relied upon completely, resulting of being a bottleneck to our production. What inconveniences we have at present are covered up by various means, but decreasing our production efficiency a great deal.

In order to solve the bottleneck as soon as possible, we have taken every measures, and endeavored to procure the required items through private plant but with no result. Fortunately, the said machines were located in a former arsenal which is in our vicinity, also not in operation and could be easily transported. We feel that it will greatly ease our production by utilizing the applied machines.

LETTER OF ASSENTDate: 2 May 1957

TO : The Ministry of International Trade and Industry

FROM: K.K. Nihon Seikusho, Hiroshima Seisakusho
(The Japan Steel Works, Ltd., Hiroshima Works)

Sirs:

I, the undersigned, hereby assent for the custodian of Former 11th Navy Aircraft Arsenal (Code No. 11-06(12)) to take the fixed responsibility for maintenance of the reparation designated machinery and equipment, list of which is attached to the application herein, belong to the above former Arsenal, after the same were moved into HIROSHIMA Plant, The Japan Steel Works, Ltd.

(Signed)

J. MirakawaMIRAKAWA Takamitsu, General Manager,
The Japan Steel Works, Ltd., Hiroshima Works

Copy

in

APPLICATION FOR CONVERSION OF
DESIGNATED REPARATION PLANT

10th, April 1951

TO : Minister of International Trade and Industry
FROM : President of Tomo Shintetsu Kogyo K.K.
Tomo-machi, Numakuma-gun, Hiroshima Prefecture

- 1) Name of Plant (Code No.)
11th Naval Aeronautical Arsenal Code No. : 11-06 , 08
- 2) Location of Plant:
Hiro-machi, Kure City, Hiroshima Prefecture
- 3) Category:
Naval Aeronautical Arsenal
- 4) Production :
Present: No. products as of present
Planned: As shown in the following List

(1) 1st period plan

Name of Article	Items	Monthly Products
A) Household sewing-machine	Type-H.A.	500 Sets
B) Land & marine Machinery	Pumps, blowers Turbo-generators and other equipments	20 "
C) Forging	For mfg. machinery	30 tons
D) Steel casting	Machinery for marine & land uses	130 "
E) Steel ingot for mfg. file	For Nigata makers	100 "

11-06

II

(11) 2nd period plan

Name of Article	Items	Monthly Products 1,000 sets
A) Household sewing-machine	Type-H.A.	1,000 sets
B) Land & Marine machinery	Middle sized Diesel engine	2 "
	Middle sized Steam turbines	1 "
	Pumps, blowers and other equipments	40 "
C) Forging	For mfg. machinery	60 tons
D) Steel casting	Machinery for marine & land uses	130 "
E) Steel ingot for mfg. file	For Nigata makers	100 "
5) Additional reparation items needed for the above production:		
As per attached list :	Machinery	365
6) Necessity for conversion:		

It is the self-supporting economy and rehabilitation of peace industry that Japan must make her way in future. Our company intend to produce such enterprice as production of household sewing machine, land & marine machineries, forging, steel casting, steel ingot for mfg. file, with which we would contribute to Japanese industry.

Household sewing machines are quite universal as daily necessities in every places of the world as well as in Japan, the demand for which increases year by year.

The majority of the sewing-machines which are produced in Japan are exported mainly to U.S.A. where its superior quality and cheap price have been favourably noticed.

It is a star player to gain foreign currency. Judging from the increasing demand of the Asian countries, needless say of our own, the manufacturing of sewing-machines is one of the most promising industry.

Land and marine machinery means here manufacturing of diesel engine, steam turbines and pumps. It goes without saying that increase of ships is now the most urgent problem for the reconstruction of the Japanese Mercantile marine and that the increase must be completed with the least delay.

The government authorities have, therefore, designed the 6th and the 7th Ship Building Plans in rapid succession.

Consequently, it brings on us the great demand of marine Machinery.

We cannot meet the demand with the present producing amount. Therefore, we have designed here the plan to meet the demand.

Fortunately, many a people are in Kure City who have well-seasoned experiences in manufacturing such machineries, and that environments is very good for opening the plant. We confirm that these business have promising future. Having regard to Japan's output, as the principal file makers in Hiroshima Prefecture, Nigata Yasuri holds 70 % of it, and of late with the increase of export quantity this work has been considered hopeful from the view of its enterprise.

On the other hand, however, we are somewhat pressed over raw material makers. This casts a gloomy shadow over the development of our manufacturing. To make the matters worse, there are some factories with the new production method.

It is an urgent problem to secure raw materials for the purpose to be the best free trader both in Japan and in Asia District from the international views concerned. We are endeavouring to devote ourselves for the development of this enterprise by beginning the work in real earnest and by settling the fundamental problems.

Gist of our designation

Location of the plant: Hiro-machi, Kure City
(at the site of the former Hiroshima)
(Railway Bureau Hiro Branch Workshop)
Code No. : 11-06(9)

	1st period	2nd period
Articles to be produced	See Clause 4	See Clause 4
Monthly products	¥ 33,100,000	¥ 65,650,000
No. of Workmen to be employed	440	1,005
Fund	¥ 78,000,000	¥ 128,000,000

Kure City has the best environments for opening the above-mentioned plants. Moreover, many superior technical experts are under unemployment as a result of disclosure of the Hiroshima Railway Bureau Hiro Branch Workshop, and the mass-adjustment of the Harima Ship Building Co. Kure Docks, and Kawaminami Industrial Co. Hiro Plant.

To relieve such unemployed is most urgent problem. Under these circumstances mentioned above, we leave determined to establish new plant in Kure City.

But it is very difficult, from the financial standpoint, to furnish new machinery and equipments, unless to use those equipments which are left unused.

We, therefore, have designed here to open new plant with the designated reparation machinery and equipment.

Your favourable consideration and arrangement are requested for our application by all means.

R. Kobayashi

Signed by President

Attached List:

List of reparation machinery and equipment to be used.

Attached document:

Letter of Assent.

Recommendation from Mayor of Kure City.

LIST OF THE DESIRED REPARATION DESIGNATED MACHINERY AND EQUIPMENT

Applicant Tomo Shintetsu Kogyo K.K.

Name of Items	Name of Mfg.Co.	Type & Dimension	Inventory No.	Operation No. or Idle	No. of Items	Remarks
1. Machine Tool						
Milling Machine -Knee type-Vertical	Unknown	Table travel 500 x 280x190mm	11-6(8)-85	Idle	1	
Milling Machine -Horizontal	Cincinnati (U.S.A.)	" 800 x 300 x 250 mm	"	182	"	1
Milling Machine -Horizontal-Knee type	Brown & Sharp	" 700 x 250 x 250 mm	"	186	"	1
Boring Machine Jig Hydraulic	Societe	Spindle travel 1,030 x 200 mm Table travel 1,400 mm	"	439	"	1
Boring Machine -Table type	Wakayama Iron Works	Dia. of Bar 90 mm Dep. of Hole 900 mm	"	444	"	1
Lathe-Engine -Standard	Washino	Swing 320mm Center Distance 500 mm	"	554	"	1
Drilling Machine -Multiple(2 spindle)	Inai	Spindle Dia. 22 mm Spindle Distance 255 mm	"	604	"	1
Milling Machine -Horizontal-Knee type	Toyo Kogyo	Table travel 500 x 250 x 380 mm	"	613	"	1
Milling Machine Universal-Knee type	Ishibashi Kikai	Table travel 600 x 300 x 350 mm	"	623	"	1
Gear Grinder- Stright Bevel	Okamoto Kosaku	Cap. Dia x W. x M.P. 200 x 100 mm 6	"	632	"	1
Gear Planer	Reinecker	Max. Dia. Work 360 mm	"	635	"	1
Milling Machine -Vertical-Knee type	Cincinnati	Table travel 600 x 270 x 300 mm	"	642	"	1

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
Gear Shaper-Fellow	Toyo Kikai	Cap. Dia. x W. x M.P. 280 x 60 x 7 mm	11-6(8)-645		Idle 1	1
Gear Shaper-Spur Gear Shaper	Aoki Kikai	No. of Spindles Max. Ex. Dia. of Work 380 mm	1	" 649	"	1
Shaper-Horizontal	Chiba	Stroke	674 mm	" 654	"	1
Milling Machine -Horizontal-Knee type	Toyo Kogyo	Table travel 550 x 250 x 300 mm		" 669	"	1
Gear Shaper -Fellow	Toyo Kikai	Cap. Dia. x W. x M.P. 150 x 50 x 6 mm		" 675	"	1
"	"	"	"	" 676	"	1
Milling Machine -Universal	Toyo Kogyo	Table travel 480 x 240 x 170 mm		" 740	"	1
Grinding Machine -Center	Unknown	Table travel 1,600 mm Table Dia. 220 mm		" 746	"	1
Milling Machine -Vertical-Knee type	Osaka Kikai	Table travel 650 x 300 x 330 mm		" 868	"	1
Grinding Machine Gear Tooth	Pratt & Whitney	Cap. Max. Dia. X W. 250 x 150 mm M.P. 10		" 870	"	1
Drilling Machine -Vertical-Multiple	Mitsubishi Kikai	Cap. Dia. x Depth 20 x 300 mm		" 877	"	1
Milling Machine -Vertical-Knee type	Osaka Kikai	Table travel 420 x 320 mm		" 881	"	1
"	Hitachi Seiki	Table travel 630 x 280 x 340 mm		" 882	"	1
"	Osaka Kikai	" 650 x 330 x 300 mm		" 884	"	1
"	Osaka Kikai	"		"	"	1

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
Gear Cutting & Finishing Machine	Pfuter Co., Ltd.	Table travel 300 x 200 mm		11-6(8)- 910	Idle	1
Milling Machine -Vertical-Knee type	Cincinnati	Table travel 700 x 210 x 270 mm		" 911	"	1
Milling Machine Horizontal-Knee type	Hitachi Seiki	Table travel 800 x 350 mm		" 916	"	1
Milling Machine -Horizontal type	Toyo Seiki	Table travel 760 x 350 mm		" 920	"	1
Milling Machine -Vertical-Knee type	Hitachi Seiki	Table travel 630 x 280 x 340 mm		" 921	"	1
"	Cincinnati	Table travel 650 x 330 x 300 mm		" 924	"	1
"	Osaka Kikai	Table travel 550 x 220 x 240 mm		" 925	"	1
Gear Shaper	Toyo Kikai	Max. Dia. x W. 700 x 150 mm M.P. 7		" 928	"	1
Milling Machine Vertical-Knee type	Mitsubishi Kosaku	Table travel 700 x 410 x 360 mm		" 929	"	1
"	Hitachi Seiki	Table travel 650 x 360 x 400 mm		" 932	"	1
"	Cincinnati	Table travel 800 x 380 x 360 mm		" 977	"	1
"	Hitachi Seiki	Table travel 650 x 360 x 400 mm		" 983	"	1
Gear Cutting Machine-Straight Bevel Gear	Karatsu Iron Works	Length of Stroke Travel of Bed 300 mm 430 mm		" 993	"	1
Boring Machine -Table type	"	Bar Dia. 150 mm Table travel 1,000mm		" 1212	"	1

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
Hobbing Machine -Vertical Gear	Hiro Naval Arsenal	Max. Pitch Dia. 2,500 mm		11-6(8) 1277	Idle	1
Boring Machine- Vertical Turning Mill	Ikegai Tekko	Swing 3,000 mm		" 1315	"	1
Lathe-Surface	Hiro Naval Arsenal	Swing Dia. 1,100 mm		" 1318	"	1
Boring Machine- Vertical Turning Mill	Ebara	Swing 2,600 mm Spindle travel 1,700 mm		" 1336	"	1
Lathe-Engine	Karatsu Iron Works	Swing 1,350 mm Center Distance 7,300mm		" 1406	"	1
"	"	Swing 530 mm Center Distance 7,300mm		" 1407	"	1
"	Shibaura	" 1,500 mm 6,000 mm		" 1411	"	1
Boring Machine -Vertical Turning Mill	Karatsu Iron Works	Swing 860 mm Height 500 mm		" 1431	"	1
Planer-Double Housing Double Head	Fuzimura	Cap. L. x W. x H. 6,150 x 1,800 x 1,800 mm		" 1443	"	1
Planer-Double Housing Double Head	Karatu Iton Works	Work Cap. 6,050 x 1,600 x 1,900 mm		" 1450	"	1
Slotter-Vertical	Nippon Juko -870	Max. Stroke 500 mm		" 1476	"	1
Gear Tooth Grinder-External Spur & Helical	Hitachi Seiki	Max. Pitch Dia. 250 mm		" 2240	"	1
Grinding Machine -Horizontal- Machine	Thompson (U.S.A.)	Table travel 1,300mm Grinding wheel Size 300 x 20 mm		" 2260	"	1
Milling Machine -Vertical-Knee type	Osaka Kosa -kusho	Table travel 600 x 300 x 300 mm		" 2292	"	1
Gear Shaper- Herring Bone-Bevel	Reinecker	Pitch Dia. 150-220 mm D.P. 8.6 M.P. 3		" 2331	"	1
Boring Machine Horizontal	Nomura	Bar Dia. 102 mm Table Size 2,530 x 1,600 mm		11-6(9)-8	"	1
Lathe-Engine -Gap	Ikegai Iron Works	Swing 800 mm Center Distance 4,500 mm		" 10	"	1

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
Lathe-Engine -Standard	Niigata Iron Works	Swing Center Distance 960mm 4,200 mm	11-6(9)	-21	Idle	1
"	"	"	"	22	"	1
"	"	"	"	24	"	1
Milling Machine -Vertical	Ikegai Iron Works	Table travel 1,260x750 mm	"	30	"	1
Milling Machine -Horizontal-Knee type-Universal	Tokyo Gasuden	" 710 x 240 x 490 mm	"	32	"	1
Milling Machine -Vertical	Showa Koki	" 843 x 407 x 315 mm	"	38	"	1
Drilling Machine -Radial Plain	Wakayama Iron Works	Swing Base Plate Size 2,660 mm 2,380 x 900 mm	"	50	"	1
"	Cincinnati	" 3,310 mm 3,500 x 2,000 mm	"	51	"	1
Milling Machine -Universal-Knee -Horizontal	Unknown	Table travel 257 x 565 x 710 mm	"	52	"	1
Lathe-Engine -Standard	Toyo Kikai	Swing Center Distance 970 mm 2,950 mm	"	53	"	1
Slotter-Vertical	Ehon Mach	Stroke 600 mm	"	59	"	1
Boring Machine -Horizontal	Nomura	Bar Dia. Table travel 76 mm 1,730 x 1,220 mm	"	64	"	1
"	"	"	"	65	"	1
Drilling Machine -Upright Sensitive Power Feed	Toyo Kosaku Kikai	Max. Drill Dia. Dep. 50mm 290 mm	"	88	"	1
"	"	"	"	89	"	1
Milling Machine -Knee type Horizontal-Plain	Osaka Kiko	Table travel 905 x 310 x 470 mm	"	92	"	1

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
Drilling Machine -Upright Sensitive	Toyo Kosaku Kikai	Max. Drill Dia " Dep.	50mm 299 mm	11-6(9) -131	Idle	1
"	Tokyo Kosakuki	" " 50 mm 290 mm	"	133	"	1
Shaper-Horizon -tal	Chiba Iron Works	Max. Stroke Length 610 mm	"	139	"	1
Drilling Machine -Upright Sensitive Power Feed	Silver Megoo	Max. Drill Dia. " Dep.	25 mm 215 mm	"	148	" 1
Milling Machine -Bed type Horizontal	Sandstrand	Table Size 770x200mm Table Longi. Feed 470 mm	"	152	"	1
Drilling Machine Bench type	Towa Kikai	Table Dia. 260 mm	"	166	"	1
Lathe-Engine -Standard	Riken	Swing 375 mm Center Distance 1,250 mm	"	167	"	1
Drilling Machine Bench type	Towa Kikai	Max. Drill Dia. 10mm " Depth 75 mm	"	168	"	1
Milling Machine -Unit	Hitachi Seiki	Spindle/Over Arm Dist. Spindle travel 80 mm	165 mm "	172	"	1
"	"	"	"	173	"	1
Lathe-Engine -Gap	Unknown	Swing 360 mm Center Distance 1,350 mm	"	200	"	1
Drilling Machine -Bench type	Towa Kikai	Base Plate Size 280 x 240 mm	"	203	"	1
Milling Machine -Knee type -Horizontal Plain	Pratt & Whitney	Table travel 180 x 130 x 250 mm	"	218	"	1
Lathe-Engine -Standard	Niigata Iron Works	Swing 380 mm Center Distance 700 mm	"	237	"	1
"	Okuma Iron Works	" 430 mm " 1,450 mm	"	241	"	1
Gear Cutting & Finsihing-Gear Tooth-Machine	David Brown & Sons	Max. Dia. of Work 150 mm	"	244	"	1

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventoty No.	Operation or Idle	No. of Items	Remarks
Grinding Machine Tool Grinder	Rokuroku Shoten	Dia. of Wheel 400 mm	11-6(9)	-252 Idle	1	
Grinding Machine -Disc Face & Stand Single Head	" Wheel Spindle	Wheel Dia. x Thick 510x65 mm Dia. 46 mm	"	255	"	1
Gear Shaper	Fellow	Max. Ext. Dia. of Work 175 mm Max. Int. Dia. of Work 200 mm	"	259	"	1
Gear Hobber	Karatsu Iron Works	No. of Spindle Max. Dia. of Work 450 mm	1	"	268	" 1
Worm Gear Hobber -Single Spindle	David Brown & Sons	Max. Dia. of Work 450 mm	"	286	"	1
Drilling Machine -Bench type	Toa Seiki	Base Plate Size 280 x 240 mm	"	312	"	1
Drilling Machine -Upright Power Feed Sensitive	Yoshida Iron Works	Max. Drill Dia. 50 mm " Dep. 225 mm	"	320	"	1
Planer-Double Housing	Suzuki Seisaku	Max. Height of Work 850 mm Max. Width of Work 700mm	"	325	"	1
Lathe-Engine -Standard	Nippatsu Seiki	Swing 500 mm Center Distance 1,200 mm	"	352	"	1
"	Matsushita	"	"	353	"	1
"	"	" 400 mm " 800 mm	"	355	"	1
"	Uroko Seisakusho	" 540 mm " 800 mm	"	362	"	1
"	"	"	"	363	"	1
"	"	" 540 mm " 1,000 mm	"	365	"	1
"	Kawanishi	" 600 mm " 1,250 mm	"	377	"	1
Drilling Machine -Upright Sensitive -Power Feed	Toyo Kikai	Max. Drill Dia. 50 mm Max. Depth 290 mm	"	383	"	1

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
Milling Machine -Knee type -Universal	Kinoshita Iron Works	Table travel 885 x 240 x 430 mm	11-6(9)	-386	Idle	1
Lathe-Engine -Standard	Niigata Iron Works	Swing 830 mm Center Distance 4,030 mm	"	427	"	1
Lathe-Engine -Relieving	Akimoku Seisakusho	Swing 570 mm Center Distance 800 mm	"	439	"	1
Thread Miller	Pratt & Whitney	Swing 500 mm Max. Work Dia. 250mm	"	447	"	1
Threading Machine -Tool Tapping & Bolt Nut	Karatsu	Max. Size of Work 31.7mm	"	450	"	1
"	"	"	"	451	"	1
Grinding Machine -Tool Grinder	Rokuroku Shoten	Dia. of Wheel 450mm	"	453	"	1
Lathe-Engine -Relieving	Akimoku Seisakusho	Swing 570 mm Center Distance 800 mm	"	460	"	1
Boring Machine -Horizontal-Table type	Osaka Kiko	Dia. of Boring Bar 76 mm Depth of Hole 1,140 mm	"	475	"	1
Lathe-Engine -Standard	Nippatsu Seiki	Swing 520 mm Center Distance 1,150 mm	"	477	"	1
Lathe-Engine -Standard	Osaka Kosakusho	Swing 590 mm Center Distance 1,200 mm	"	478	"	1
"	"	"	"	479	"	1
"	"	"	"	480	"	1
"	"	"	"	482	"	1
"	"	"	"	483	"	1
"	Toyo Kikai	" 520 mm " 800 mm	"	484	"	1

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventory No.	Operation or Idle	Ho. of Items	Remarks
Lathe-Engine	Toyo Kikai	Swing Center Distance 800 mm	520 mm	11-6(9) -485	Idle	1
"	Kawanishi	"	640 mm 1,250 mm	"	487	" 1
"	"	"	650 mm 1,200 mm	"	488	" 1
Slotter-Vertical type	Nippon Jukogyo Co.	Length of Stroke 300 mm Max. Width 700 mm		"	489	" 1
Drilling Machine -Radial Plain	Wakayama Iron Works	Max. Drilling Dia. " Dep. 50 x 325 mm		"	491	" 1
Lathe-Engine -Standard	Nippatsu Seiki	Swing Center Distance 1,150 mm	520 mm	"	496	" 1
"	"	"	590 mm 1,200 mm	"	497	" 1
Lathe-Engine -Standard	Nippatsu Seiki	"		"	498	" 1
"	"	"		"	499	" 1
"	"	"		"	501	" 1
"	Osaka Kosakusho	"	510 mm 1,100 mm	"	502	" 1
"	Nippatsu Seiki	"	590 mm 1,200 mm	"	504	" 1
"	Toyo Kikai	"	520 mm 800 mm	"	505	" 1
"	"	"		"	507	" 1
"	"	"		"	508	" 1
"	"	"		"	509	" 1
Planer-Double -Housing-Double Head	Hayashika Kikai	Table Size 4,000 x 760 mm		"	524	" 1
Lathe-Engine -Standard	Niigata Iton Works	Swing Center Distance 4,200 mm	960 mm	"	525	" 1
"	Takizawa	"	640 mm 2,000 mm	"	526	" 1

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
Lathe-Engine -Standard	Takizawa	Cent. Dist. 2000mm Swing 640mm	11-6(9)	-527 Idle	1	
Lathe-Engine Standard	Toyo Kikai	Swing 520 mm Center Dist. 800 mm	"	528	" 1	
Grinding Machine -Tool-Disc-type -Double Head	Nippon Dendoki	Wheel Dia. x Width 300 x 35 mm	"	530	" 1	
Lathe-Engine -Standard	Toyo Kikai	Swing 520 mm Center Distance 800 mm	"	531	" 1	
"	"	"	"	532	" 1	
Grinding Machine -Tool-Disc type Single Head	Rokur oku Shoten	Wheel Dia. x Width 510 x 48 mm	"	533	" 1	
Lathe-Engine -Standard	Kawanishi	Swing 650 mm Center Distance 1,200 mm	"	534	" 1	
"	Kawanishi	" 650 mm " 1,200 mm	"	536	" 1	
"	Toyo Kikai	" 500 mm " 800 mm	"	537	" 1	
"	Kawanishi	" 650 mm " 1,200 mm	"	538	" 1	
"	Toyo Kikai	" 520 mm " 800 mm	"	539	" 1	
"	Kawanishi	" 650 mm " 1,200 mm	"	540	" 1	
"	Osaka	" 520 mm " 850 mm	"	541	" 1	
"	Washino Seiki	" 320 mm " 500 mm	"	542	" 1	
"	Toyo Kikai	" 500 mm " 800 mm	"	543	" 1	
"	Washino Seiki	" 320 mm " 500 mm	"	544	" 1	
Grinding Machine -Internal Cylindrical Plane type	Heald	Swing 460 mm	"	546	" 1	

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
Grinding Machine -Universal-External Cylindrical	Yumoto Iron Works	Swing Distance	380 mm Bet Cent. 1500mm	11-6(9) -547	Idle	1
Lathe-Engine -Standard	Osaka Kosakusho	Swing Center Distance	520 mm 1,000mm	" 555	"	1
"	"	"	"	" 556	"	1
"	Nippatsu Seiki	Swing Center Distance	590 mm 1,200 mm	" 557	"	1
"	"	"	"	" 559	"	1
"	"	"	"	" 561	"	1
"	"	"	"	" 562	"	1
"	"	"	"	" 563	"	1
"	"	"	"	" 564	"	1
"	"	"	"	" 565	"	1
"	"	"	"	" 566	"	1
Boring Machine -Horizontal	Nomura	Max. Cutting Table travel	Dia. 680 mm 1,730 x 1,200 mm	" 577	"	1
Slotter-Vertical type	Nagaoka Tekko	Stroke	500 mm	" 579	"	1
"	Nippon Jukogyo	Length of Stroke Max. Width	300mm 700 mm	" 580	"	1
"	Hirayuwa	Max. Stroke	228 mm	" 581	"	1
Milling Machine -Knee type Horizontal Plane	Osaka Kiko	Table travel	860 x 300 x 510 mm	" 583	"	1
"	Dainippon Heiki Co.	Table travel	900 x 314 x 400 mm	" 584	"	1
Milling Machine -Universal Head	Kinoshita Iron Works	Table travel	750 x 250 x 450 mm	" 585	"	1
"	"	"	"	" 586	"	1

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
Lathe-Engine -Standard	Washino Seiki	Swing Center Distance 500 mm	300 mm	11-6(9) -590	Idle	1
"	"	"	"	"	591	" 1
"	"	"	"	"	593	" 1
Lathe-Turret -Saddle	Toyo Kikai	Max. Chuck Cap. Max. Dist. Spindle /Turret	300 mm 1,080 mm	"	608	" 1
Milling Machine -Knee type-Vertical -Ram	Syowa Koki	Table travel	847 x 407 x 330 mm	"	609	" 1
Grinding Machine External-Cylindrical	Dai Nippon Heiki	Swing Dia. Max. Grinding Length	380 mm 1,250 mm	"	613	" 1
Grinding Machine -Surface	Hamada Seiki	Size of Table Max. Grinding Length	300 x 850 mm 900 mm	"	614	" 1
Milling Machine -Knee type Vertical-Ram	Unknown	Table travel	935 x 240 x 370 mm	"	618	" 1
Milling Machine -Knee type Horizontal-Plane	Ensyu	Table travel	615 x 250 x 390 mm	"	620	" 1
Lathe-Engine -Standard	Unknown	Swing Center Distance	625 mm 1,050 mm	"	626	" 1
"	Nishimura Kikai	Swing Center Distance	400 mm 1,100 mm	"	627	" 1
"	"	Swing Center Distance	400 mm 1,300 mm	"	628	" 1
"	Uroko Seisakusho	Swing Center Distance	500 mm 1,200 mm	"	629	" 1

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
Lathe-Engine -Standard	Osaka Kosakusho	Swing Center Distance 500 mm 1,200 mm	11-6(9)	-630 Idle	1	
"	"	"	"	631	"	1
"	"	Swing Center Distance 500 mm 1,200 mm	"	632	"	1
"	Uroko Seisakusho	Swing Center Distance 540 mm 1,000 mm	"	633	"	1
Shaper-Horizontal	Could & Eber Hard	Max. Stroke Length 510 mm	"	634	"	1
"	Asano Jukogyo	" 400 mm	"	636	"	1
Milling Machine -Bench-Knee type -Vertical	Doryoku Kenkyusha	Table travel 360 x 200 x 200 mm	"	641	"	1
Milling Machine -Bench Knee Horizon. -Universal	"	Table travel 390 x 117 x 305 mm	"	642	"	1
Lathe-Turret -Ram	Teikoku Seimitsu	Max. Chuck Cap. 19 mm Max. Dist. Spindle /Turret 300 mm	"	643	"	1
"	"	"	"	644	"	1
Drilling Machine -Radial Plain	Dai Nippon Koki	Max. Drilling Dia. " Depth 50 x 325 mm	"	645	"	1
"	Wakayama Iron Works	"	"	646	"	1
Drilling Machine -Upright sensitive -Power Feed	Toyo Kosakuki	Drilling Cap. 75 mm Max. Cutting Height of Work 970 mm	"	647	"	1
"	"	"	"	648	"	1
"	"	"	"	649	"	1
Grinding Machine- Universal Tool & Cutter	Washino Seiki	Swing Dia. 220 mm Dist. Bet Cent. 620 mm Table Longi. travel 600 mm	"	652	"	1

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
Grinding Machine -External Cylindrical	Nippon Seiki	Swing Dia. Max. Grinding Length 950 mm	210 mm	11-6(9) -653	Idle 1	1
Lathe-Engine -Standard	Washino Seiki	Swing Center Distance 500 mm	300 mm	" 655	" 1	1
Gear Hobber	Kashifuji Seisakusho	Max. Work Dia. Max. Cutting Pitch M. 8	800 mm	" 658	" 1	1
"	"	"	"	" 659	" 1	1
Gear Tooth Grinder -Straight Bevel Grinder	Okamoto Kosakusho	Max. External Dia. Work	300 mm	" 660	" 1	1
Gear Tooth Grinder Spur & Helical Gear Grinder	Maag Switzer Land	Max. External	200 mm	" 661	" 1	1
Gear Shaper	"	Max. Work Dia. Max. Cutting Pitch M. 10	450 mm	" 662	" 1	1
Gear Cutter Straight	Gresson U.S.A.	" M.	300 mm 8	" 663	" 1	1
Gear Shaper	Fellow U.S.A.	" M.	200 mm 5	" 664	" 1	1
Grinding Machine -Special Tool & Cutter	Parrson England	Wheel Dia. Wheel Thickness	200 mm 25 mm	" 665	" 1	1
Grinding Machine -Special Tool Cutter	Unknown	Wheel Dia.	300 mm	" 666	" 1	1
Lathe-Turret-Ram	Hitachi Seiki	Max. Chuck Cap. Max. Dist. Spindle /turret	310 mm 540 mm	" 667	" 1	1
"	"	"	300 mm 540 mm	" 668	" 1	1
Lathe-Turret-Saddle	Toyo Kikai	"	380 mm 1,080 mm	" 674	" 1	1
"	"	"	"	" 675	" 1	1

Name of Items	Name of Mfg. Co.	Type & Dimensio	Inventory No.	Operation or Idle	No. of Items	Remarks
Drilling Machine -Bench type	Towa Kikai	Drilling Cap. " Dep.	9 mm 75 mm	11-6(9)	-682	Idle 1
Grinding Machine Disc-Face & Stand Single Head	Washing Seiki	Wheel Dia. x Thick. 510 x 65 mm Wheel Spindle Dia.	46 mm	"	683	" 1
Drilling Machine -Bench-Vertical type	Towa Kikai	Max. Drill Dia. " Dep.	10 mm 75 mm	"	684	" 1
Grinding Machine -Tool Grinder	Sanko Seisakusho	Dia. of Wheel	600 mm	"	755	" 1
Milling Machine -Knee type Horizontal Plain	Unknown	Table travel 180 x 30 x 250 mm		"	887	" 1
Grinding Machine -Internal Cylindrical	Toyo Kogyo	Swing Table Size 1,800 x 500 mm Swing	700 mm 500 mm	11-6(10)	-11	" 1
"	"	"	"	"	13	" 1
Gear Cutting Machine-Milling	Karatsu Iron Works	Pitch Dia. x Face 550 x 200 mm		"	200	" 1
Grinder-External Cylindrical Plain	Landis	Swing Center Distance	400 mm 900 mm	"	209	" 1
Grinder-Internal Cylindrical Hydraulic	Heald	Swing Stroke	720 mm 380 mm	"	217	" 1
Grinding Machine- External Cylindrical Plain	Dai Nippon Heiki	Swing Table Size 4,000 x 320 mm	800 mm	"	221	" 1
Broaching Machine	Fujikoshi	Broaching Tool travel 1,650 mm Max. Pulling Press 15 M.P.		"	269	" 1
Lathe-Engine	Toyo Kikai	Swing Center Distance	530 mm 850 mm	"	332	" 1
Grinder-Internal -Sizematic Hydraulic	Toyo Kogyo	Swing Max. Stroke	380 mm 75 mm	11-6(11)	-12	" 1
Grinding Machine -Horizontal	Riken	Table travel 500 x 155 mm		"	49	" 1
Milling Machine Vertical-Knee type	Fritz Werner	" 700 x 270 x 370 mm		"	55	" 1

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
Grinding Machine -Centerless	Nitto Kenma	Grinding Wheel Size D.T. 480x200 mm Roller Wheel Size D.xT. 300x200 mm	11-6(11)	-56	Idle 1	
Grinding Machine -Internal-Hydraulic	Heald	Swing 395 mm Max. Hole Dia. 130 mm	"	72	" 1	
Lapping-Flat	S.S.K.	Wheel Dia. 630 mm Flat Work Cap. 80 x 165 mm	"	76	" 1	
Grinding Machine -Internal-Sizematic	Toyo Kogyo	Swing 395 mm Max. Stroke 220 mm	"	113	" 1	
Grinding Machine- Internal-Sizematic	"	"	"	115	" 1	
Grinding Machine -Centerless	Nippon Kenmaki	Grinding Wheel Size Roller Wheel Size 400 x 150 mm 230 x 150 mm	"	130	" 1	
Lapping Machine Centerless Hydraulic Presser	Shoun	" 400 x 150 mm " 250 x 150 mm	"	153	" 1	
Gear Tooth Grinder -Generating Spur	Okamoto Kosakusho	Max. Works Range. 65 mm Table travel Longi. 180 mm	11-6(12)	-42	" 1	
Slotter-Vertical	Hirao Iron Works	Max. Work L.x W.xH. 1,000 x 1,000 x 300 mm Stroke 205 mm	11-6(13)	-83	" 1	
Milling Machine- Universal Head & Ram	Hulle	Table travel 750 x 220 x 320 mm Work Table L. x W. 1,150 x 300 mm	"	85	" 1	
Lathe-Engine -Standard	Shimamoto	Swing 340 mm	11-6(22)	-4	" 1	
"	"	"	"	5	" 1	
Shaper-Horizontal	Nakagawa Iron Work	Max. Stroke Length 610 mm	11-8(9)	-19	" 1	
"	"	"	"	24	" 1	
Grinding Machine- Tool Grinder	Unknown	Dia. of Grinding Wheel 400 mm	"	44	" 1	
Machine Tool		<u>Total</u> (20)	-----		<u>251</u>	

2. Industrial Machine

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventory No.	Operation No. or Idle	No. of Items	Remarks
Bending Machine- Roller Bender	Kitahare Shoten	Working Size 3,000 x 10 mm Dia. of Roller 220 x 250 mm		11-6(8)-36	Idle	1
Mechanical Press -Drawing Press	Tokyo Roller-	Max. Drawing Cap. Sizw of Drawing Hole 200 x 150 mm		2 mm "	132	" 1
Forging Machine -Steam Hammer	Toyo Seisakusho	Folling Weight Max. Dia. of Work Stock 100 mm		250kg "	1537	" 1
Compressor-Vertical	Originse	Cap. 0.41 m ³ /min Press. 7 kg/cm ²		"	2346	" 1
Surface Plate -Solid	Unknown	Size L. x W. x H. 1,510 x 1,010 x 155 mm		"	2563	" 1
Surface Plate-Web	"	Size L. x W. x H. 2,410 x 2,410 x 250 mm		"	2564	" 1
Surface Plate -Solid	"	" 2,000 x 600 x 130 mm		"	2801	" 1
Shearing Machine -Combination	Unknown	Max. Working Thick. 22 mm		11-8(9) -117		" 1
Water Braker	Tokyo Koki	Cap. 100 H.P.		"	189	" 1
Shearing & Punch -ing Machine -Vibro Shear	Osaka Press	Thickness of Work Stock 3 mm Width of Work Stock 1,000 mm		"	251	" 1
Jib Crane-Electric Power	Toa Seisakusho	Hoisting Cap. 2,800 kg		"	303	" 1
Wall Crane Hoist	Uryu	Lifting Cap. 3,000 kg " Ht. 4,500 mm		"	304	" 1
Blue Print Liquid Imputer	Sendagi	Max. Size of Paper Printing Cap. 800 mm 250 m/hr.		"	409	" 1
Electric Blue Printing Machine	"	Max. Printing Cap. 309 m/hr.		"	410	" 1

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventory No.	Operation or idle	No. of items	Remarks
Coal Sender	Yonehara Seisakusho	Cap.	150 kg/hr.	11-6(9)	-419	Idle 1
"	"	"	"	"	420	" 1
Sawing Machine -Hack Saw	Hodogaya	Max. Works Dimension	600 mm	"	545	" 1
"	Lion	Max. Saw Length	440 mm	"	679	" 1
		Stroke of Saw	200 mm			
Shearing & Punching Machine	J. Archdale Co.	Max. Shearing Thick	19 mm	"	685	" 1
		Punching Dia.	130 mm			
Forging Machine -Steam Hammer	Katsuyama Tanzo	Falling Weight	500 kg	"	728	" 1
		Max. Work L. x W.	200 x 200 mm			
"	"	"	"	"	729	" 1
Forging Machine -Air Hammer	Nippon Kikai	Falling Weight	500 kg	"	730	" 1
		Max. Work L. x W.	170 x 170 mm			
"	"	"	"	"	731	" 1
Forging Machine -Steam Hammer	Muta Chukosho	"	1,000 kg	"	732	" 1
		"	280 x 280 mm			
Forging Machine -Steam Hammer Single Frame	"	"	250 kg	"	733	" 1
"	"	"	"	"	734	" 1
Mechanical Press -Straight Side	Osaka Press	Press. tone	50 tone	"	735	" 1
Furnace-Metal-Heating	Hiro Naval Arsenal	Heating Chamber Size	900 x 500 x 950 mm	"	737	" 1
"	"	"	"	"	738	" 1
"	"	"	"	"	739	" 1
"	"	"	"	"	740	" 1
Furnace-Heat Treating	"	Size of Furnace	(in side) 500x800x1,000mm	"	741	" 1
"	"	"	"	"	742	" 1

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
Furnace-Metal -Heating Power -Coal	Hiro Naval Arsenal	Size of Furnace (in side) 1,000 x 650 x 1,300 mm	11-6(9)	-743	Idle	1
Furnace-Heat Treating	"	" 700 x 1,000 x 1,500 mm	"	744	"	1
Boiler-Water Tube	Naval Arsenal	Work Press. 300 H.P. 8 kg/cm ² 1 Steam Drum 2 Water Drums	"	756	"	1
"	"	"	"	757	"	1
Pump-Weir -Reciprocating	Kawasaki Zosen	Stroke 250mm Water Press 7.5 kg/cm ²	"	760	"	1
"	Naval Arsenal	" 360 mm " 7.5 kg/cm ²	"	761	"	1
Hoist-Electric Power	Toa Seisakusho	Lifting Cap. 2.8 tons " Ht. 7,000 mm	"	768	"	1
Blast Furnace -Cupola	Taiyo Chuki	Cap. 1 tons	"	769	"	1
Coal-Sender -Screw	Kihara Seisakusho	Conveyer Cap. 75kg/hr. Hopper Cap. 250 kg/hr.	"	773	"	1
Crane-Jib Crane	Uryu	Hoisting Cap. 3 tons Length of Beam 6,500mm	"	774	"	1
Furnace-Melting Electric-Arc	Ushio Seisakisho	Cap. 3 tons 1,200 K.V.A.	"	775	"	1
Wall Crane	Uryu	Hoisting Cap. 3 tons Length of Beam 4,500 mm	"	777	"	1
Electric Furnace	Mitsubishi	Melting Cap. 500 kg Electric Power 500 K.V.A.	"	778	"	1
Hoist-Trolley type Electric Hoist	Toa Seisakusho	Hoisting Cap. 3 tons	"	779	"	1
Crane-Over Head Trolley	Sumitomo	Hoisting Cap. 20 tons-5tons	"	798	"	1
Sand Mill -Edge Runner	Taiyo Chuki	Size of Roller Size of Pan Dia. x Dep. 830 x 300 mm 2,400 x 540 mm	"	801	"	1
"	"	"	"	802	"	1
Crane-Jib Crane Pneumatic Power	Uryu	Hoisting Cap. 3tons Length of Beam 6,500 mm	"	807	"	1

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
Crane-Over Head Trolley Bridge Electric Powered	Sumitomo L	Lifting Cap. 5 tons Lifting Ht. 8,000 mm	11-6(9)	Idle	-808	1
Drying Oven -Coal	Naval Arsenal	Chamber Size L.xW.xH. 3,000x2,150x2,600 mm	"	"	810	1
Electric Hoist -Trolley type	Tea Seisakusho	Hoisting Cap. 2 tons	"	"	849	1
Battery Tractor Height Plat Form type	Nippon Yuso	Load Cap. 1,000 kg	"	"	870	1
"	Nakashima Seisaksusho	Load Cap. 2,000 kg	"	"	871	1
Surface Plate	Unknown	Size L. x W. x H. 3,000 x 2,000 x 326 mm	"	"	873	1
"	"	"	"	"	874	1
"	"	Size L. x W. x H. 1,370 x 1,080 x 120 mm	"	"	880	1
"	"	" 2,450 x 1,230 x 300 mm	"	"	883	1
"	"	"	"	"	884	1
Surface Plate -Beehive	"	" 2,130 x 2,050 x 300 mm	"	"	1012	1
Gas Generator	"	Tank Volume 0.23 m ³	"	"	1013	1
Furnace-Melting -Crucible	Naval Arsenal	No. of Furnace 2 Cap. (A) 100x1 kg (B) 100x1 kg	"	"	1017	1
Surface Plate	Unknown	Size L. x W. x H. 4,010 x 3,010 x 300 mm	"	"	1024	1
Manual Press -Floor	Naval Arsenal	Table Size 1,000 x 400 mm	"	"	1026	1
Surface Plate	Unknown	Size of Plate L. x W. x H. 2,010 x 1,320 x 93 mm	"	"	1029	1
Wall Crane-with of Hand Trolley	"	Cap. 1,000 kg Lifting Ht. 3,600 mm	"	"	1033	1
Blower-Tubo Electric Power	"	Delivery Volume Delivery Press. 28.3 m ³ /min 0.06 kg/cm ²	"	"	1035	1

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
Surface Plate	Naval Arsenal	Size L. x W. x H. 1,610 x 1,180 x 260 mm		11-6(9)	Idle 1 -1040	1
"	"	" 3,000 x 1,495 x 260 mm		"	1044	" 1
"	"	" 2,435 x 1,220 x 215 mm		"	1046	" 1
Mechanical Press -Inclinable	Unknown	Press. Dist. Bed Columns 143 mm		20 M.T. 11-6(11)	-101	" 1
Compressor- Horizontal-Air	Hokuetsu Kogyo	Press. Stroke 119.5 lbs/inch ² 254 mm		"	146	" 1
Boiler-Water Tube	Yokosuka Naval Arsenal	Work Press. 10,000 H.P.		"	319	" 1
Sawing Machine -Off-Hack Saw	Hodogaya	Saw Stroke Max. Cutting Cap. 255 mm 355 mm		11-8(9)	-16	" 1
"	"	Length of Blade Max. Cut. Cap. 546 mm 300 mm		"	39	" 1
Cleaning Equipment Tumbling Barrel	Taiyo Chuki	Drum Dia. x L. 730 x 1,080 mm		"	45	" 1
Air Compressor -Reciprocating	Hitachi	Capl Pressure 10 H.P. 9.5kg/cm ²		"	49	" 1
Press-Pig Iron Breaker	Taiyo Chuki	Max. Break Cap. 110 x 110 mm		"	50	" 1
Furnace-Melting -Cupola	"	Cap. 3 tons		"	76	" 1
"	"	Cap. 5 tons		"	84	" 1
Water Feed Tank	Unknown	Cap. 12 m ³ Dia. 1980 mm Ht. 4,000 mm		11-6(9)	418	" 1
Blower(Turbo Blower)	Hamada Sofuki	Delivery Volume 25m ³ /min		"	799	" 1
Industrial Machine		<u>Total</u>				<u>84</u>

3. Electric Equipment

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
Rectifier Marcuty	Yuwasa	Out Put D.C. 100-106 V. 10 A.		11-6(9)	Idle 116	1
Switch Gear -Indoor	Inoue Denki	Panel Size 3,800 x 50 x 2,300 mm		"	306	" 1
Motor -Induction	Yasukawa Denki	Cap. 10 H.P. 220 V. 29.2 A. 1,400 r.p.m.		"	399	" 1
Welding Machine -A.C.-Movable Core type	Shibaura Denki	Cap. 36 K.V.A. 400 A. 200 V.		"	680	" 1
"	Hitachi	Cap. 36 K.V.A. 220±20 V. 230 A.		"	747	" 1
"	Shibaura Denki	Cap. 36 K.V.A.		"	748	" 1
Motor Generator	Nitto Denki	7.5 K.W. D.C. 220 V. 34 A 1,750 r.p.m.		"	776	" 1
Transformer-Out door	Hitachi	Cap. 50 K.V.A.		"	794	" 1
"	"	"		"	795	" 1
Transformer -Single Phase	Osaka Henatsuki	Cap. "		"	797	" 1
"	"	"		"	809	" 1
"	"	"		"	811	" 1
Transformer-Out door	Hitachi	"		"	831	" 1
"	"	"		"	832	" 1
"	"	"		"	833	" 1
"	Osaka Henatsuki	Cap. 150 K.V.A.		"	834	" 1
"	"	"		"	835	" 1
"	Hitachi	Cap. 50 K.V.A.		"	837	" 1
"	"	"		"	838	" 1
"	"	"		"	839	" 1
"	"	"		"	840	" 1

Name of Items	Name of Mfg. Co.	Type & Dimension	Inventory No.	Operation No. or Idle	No. of Items	Remarks
Transformer	Adachi	Cap.	15 K.V.A.	11-6(9)-856	Idle 1	1
"	"	"	"	"	857	" 1
"	"	"	"	"	858	" 1
Transformer-Out door	Osaka Henatsuki	Cap.	10 K.V.A.	"	859	" 1
"	Shibaura	"	"	"	860	" 1
Switch Gear	Unknown	Panel Size 1,600 x 2,300 x 40 mm	"	"	1011	" 1
Switch Gear-Indoor	"	" 1,400 x 50 x 2,400 mm	"	"	1015	" 1
"	"	" 800 x 1,500 x 5 mm	"	"	1022	" 1
"	Inoue Denki	" 1,600 x 2,190 x 40 mm	"	"	1025	" 1

Electric Equipment Total -----

30

Grand Total -----

365

LETTER OF ASSENT

TO : The Ministry of Finance
FROM : Presidento of Tomo Shintetsu Kogyo K.K.

Sire:

I, the undersigned, hereby assent for the custodian of 11th Naval Aeronautical Arsenal to take burden of the responsibility pertaining to maintenance of the reparation designated machinery and equipment, list of which is attached to the application herein, belong to the above arsenal, when the same are used in Tomo Shintetsu Kogyo K.K. Kure Plant.

Signed

R. Kobayashi

Presidento of Tomo Shintetsu Kogyo K.K.

(Person who desires to use the reparation)
(designated machinery and equipment)

KURE CITY HALL

KURE

TO : The Hon. Shigemitsu Yokoo,
Minister of International Trade & Industry.

FROM : Tedate Suzuki, Mayor of Kure City.

Ser.No.: Kure-Kei-Sho No.367.

27 March 1951

Re: RECOMMENDATION FOR APPLICATION SUBMITTED BY
TOMO SHINTETSU KOGYO K.K.

As regards Tomo Shintetsu Kogyo K.K.'s Application for Authorized Use of Designated Reparation Machinery and Equipment kept in former Hiro Railway Workshop area in ex-11th Naval Air Arsenal, we wholeheartedly back up intention of the above-mentioned company, and recommend their application to you on account of reasons as follows:

a- Their business program is considered very active and capable enough to put Kure's excellent facilities and technics in actual use with their long years' experience.

b- They are sure to make a great contribution to a quick rehabilitation of the local industries, especially of mechanical industry, and to Kure's unemployment relief program for skilled laborers. It is greatly expected not only to tide over our difficulties which we are confronting with at present, but to render valuable services to Japanese industries.

c- They will also produce materials in steel manufacturing for Niigata's file industry which is one of Kure's main products.

As we appreciate the company's sincere desire to meet demands of the industry, we ask your favor to give them approval and priority if there is a competitor for the same subject matter.

T. Suzuki

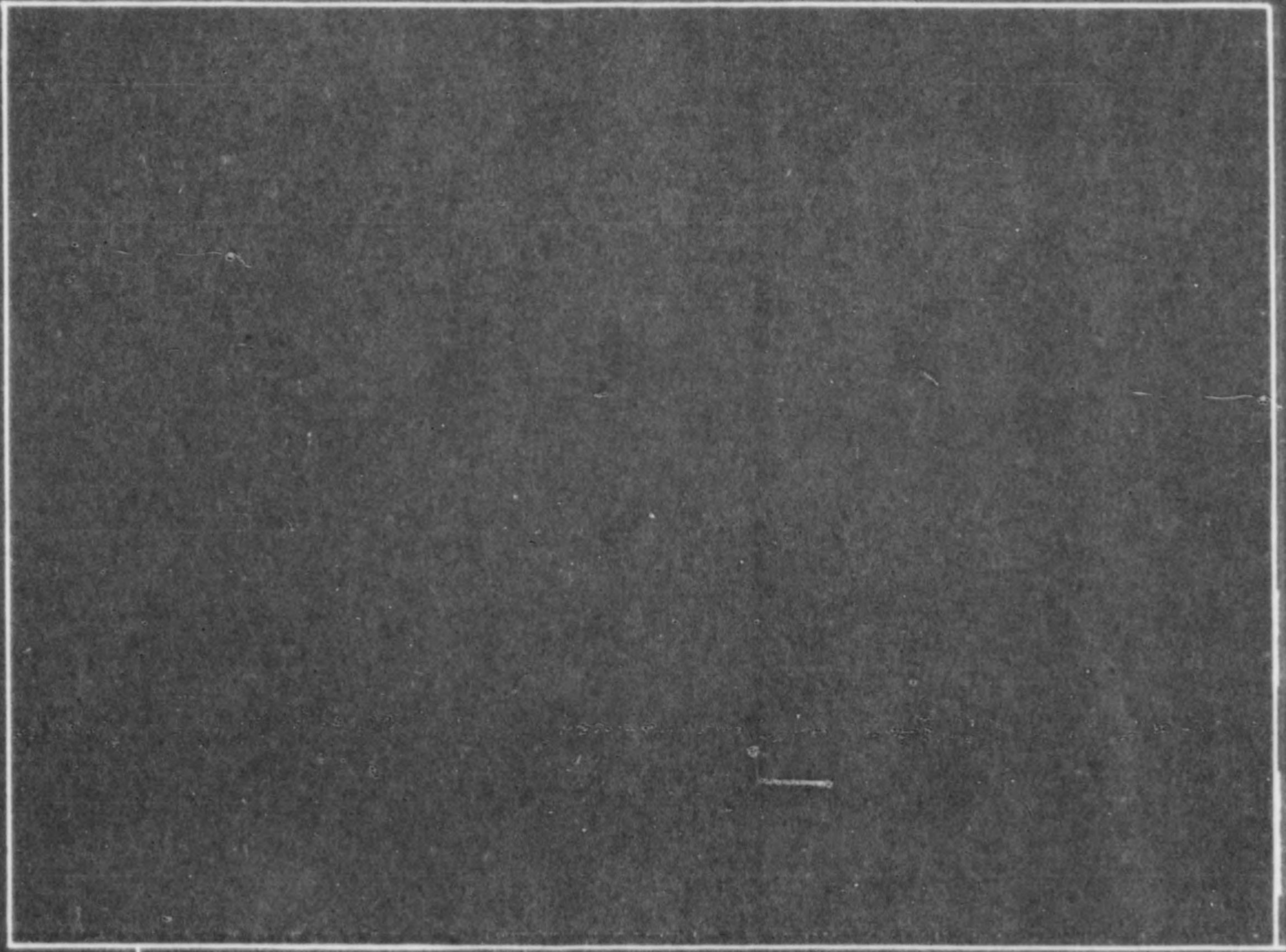
Mayor of Kure City.

No	NAME	ACREAGE (SQUARE METER)	REMARKS
1	Machine Conservating Cave	(2176)	
2	Guard Room	251.2 (84 Tubo)	
4	Turbine Blade Shop	3200 (968Tubo)	Sewing Machine Shop
5	Garage	144	
6	Oil House	94	
7	Launbry Room	33.5	
8	No.117 Shop	1512 (457 Tubo)	Forging Shop
9	No. 117 Shop Boiler Room	330 (99 Tubo)	
10	Sheet Sheaking Shed	14.77	
12	Dinning Room	529	
14	Blue Printing House	32	
15	Hospital	351 (106 Tubo)	
16	Guard Room	91.3	
17	Laboratory	51.1	
18	No.115 Shop	3078 (931 Tubo)	Foundry and Cast Steel Pipe Steel Shop
20	No. 3 Utensils Shop	3100 (937 Tubo)	WC Auxiliary Machinery Shop
21	Air Compressor House	25.2	
30	Ware House	(637 Tubo)	WC Auxiliary Machinery Shop
34	Wood Shed	25	
35	Turbine Blade Shop Latrine	35 (10 Tubo)	
36	Ware House	35	
37	Turbine Blade Shop Latrine	35 (10 Tubo)	
38	No. 117 Shop Latrine	(")	
39	Misc WARE House	19.4	
40	Ware House	31.3	
41	No. 115 Shop Latrine	10 (3 Tubo)	
42	No. 3 Utensil Latrine	35 (10 Tubo)	
43		(")	

SER)	REMARKS
o)	
o)	Sewing Machine Shop
bo)	Forging Shop
oo)	
77	
o)	
bo)	Foundry and Cast Steel File Steel Shop
bo)	NCI Auxiliary Machinery Shop
bo)	NCI Auxiliary Machinery Shop
bo)	
bo)	
bo)	
bo)	

← FOR KURE →

TOM

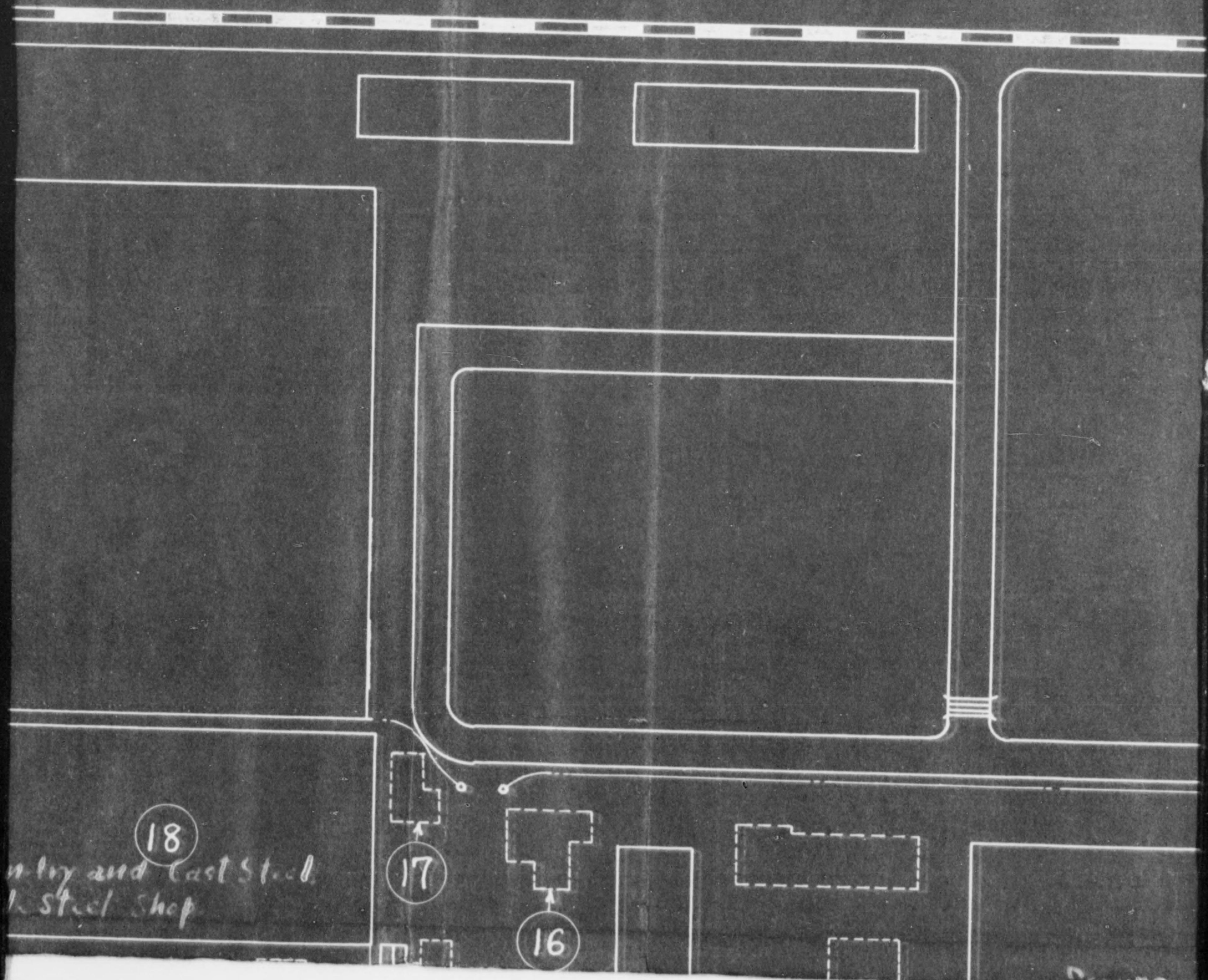


41 →

18
 Foundry and Cast Steel
 File Steel Shop

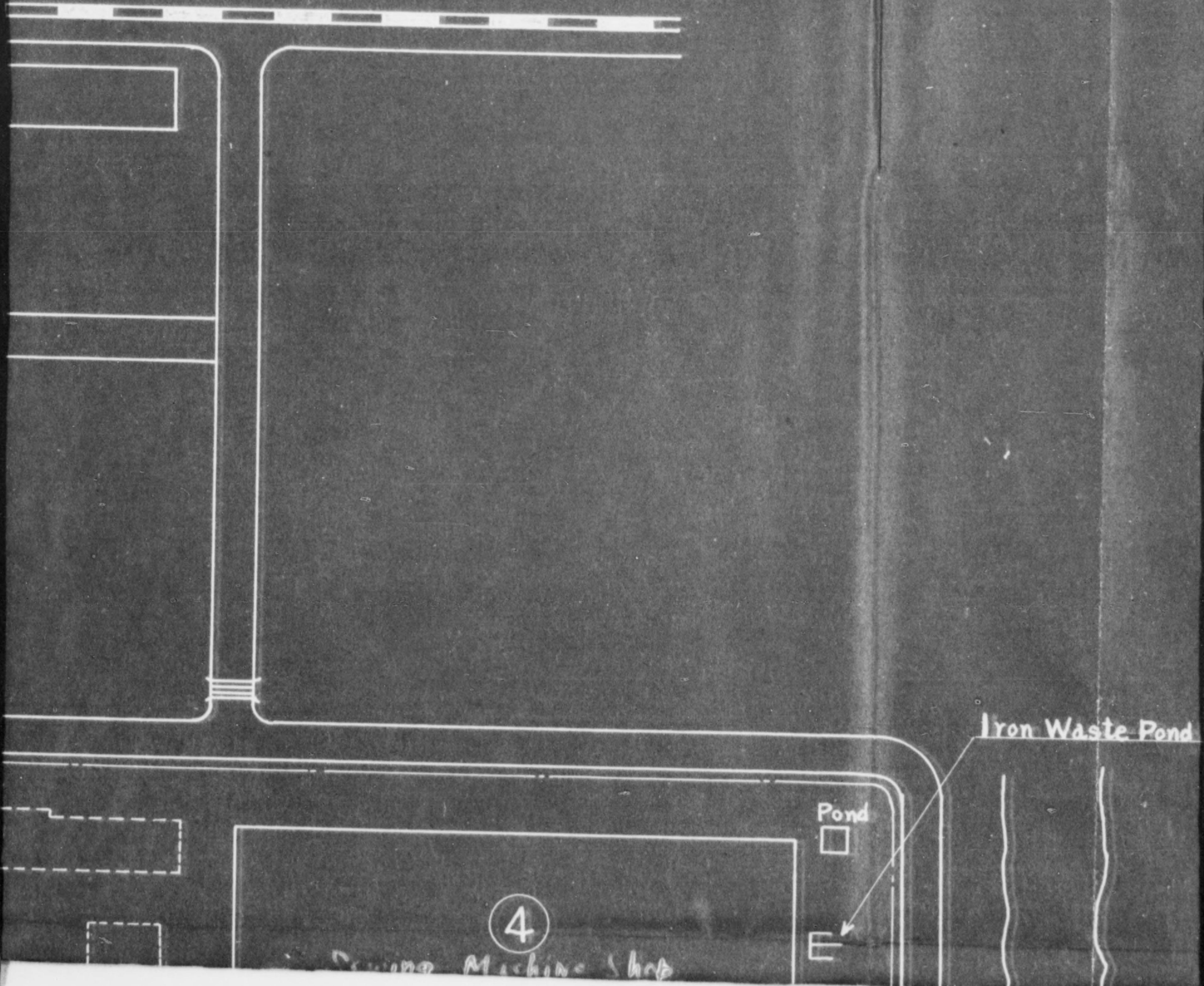
17

TOMO SHINTETSU KOGYO K.K. KURE PLANT. L

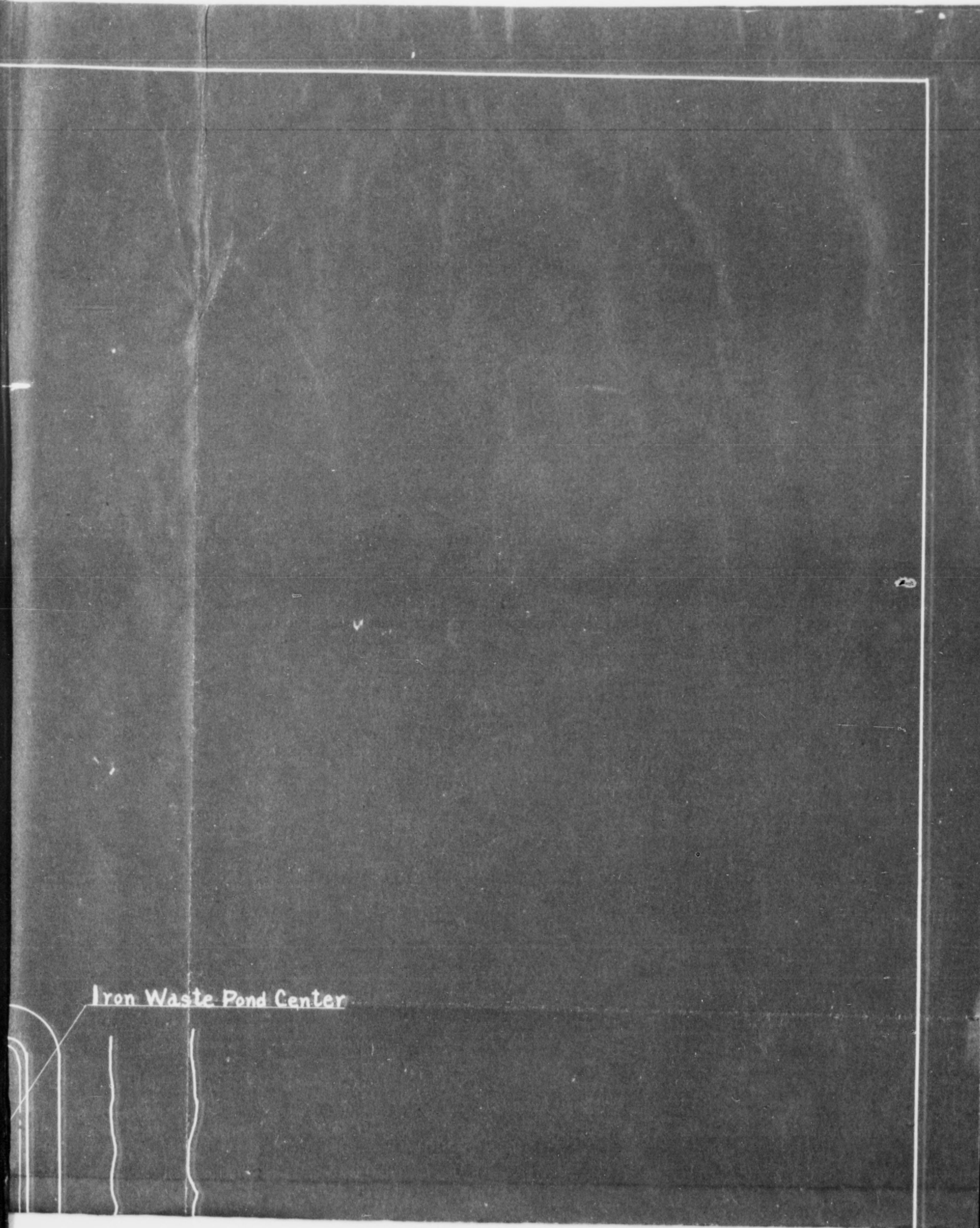


OGYO K. K. KURE PLANT. LAY OUT

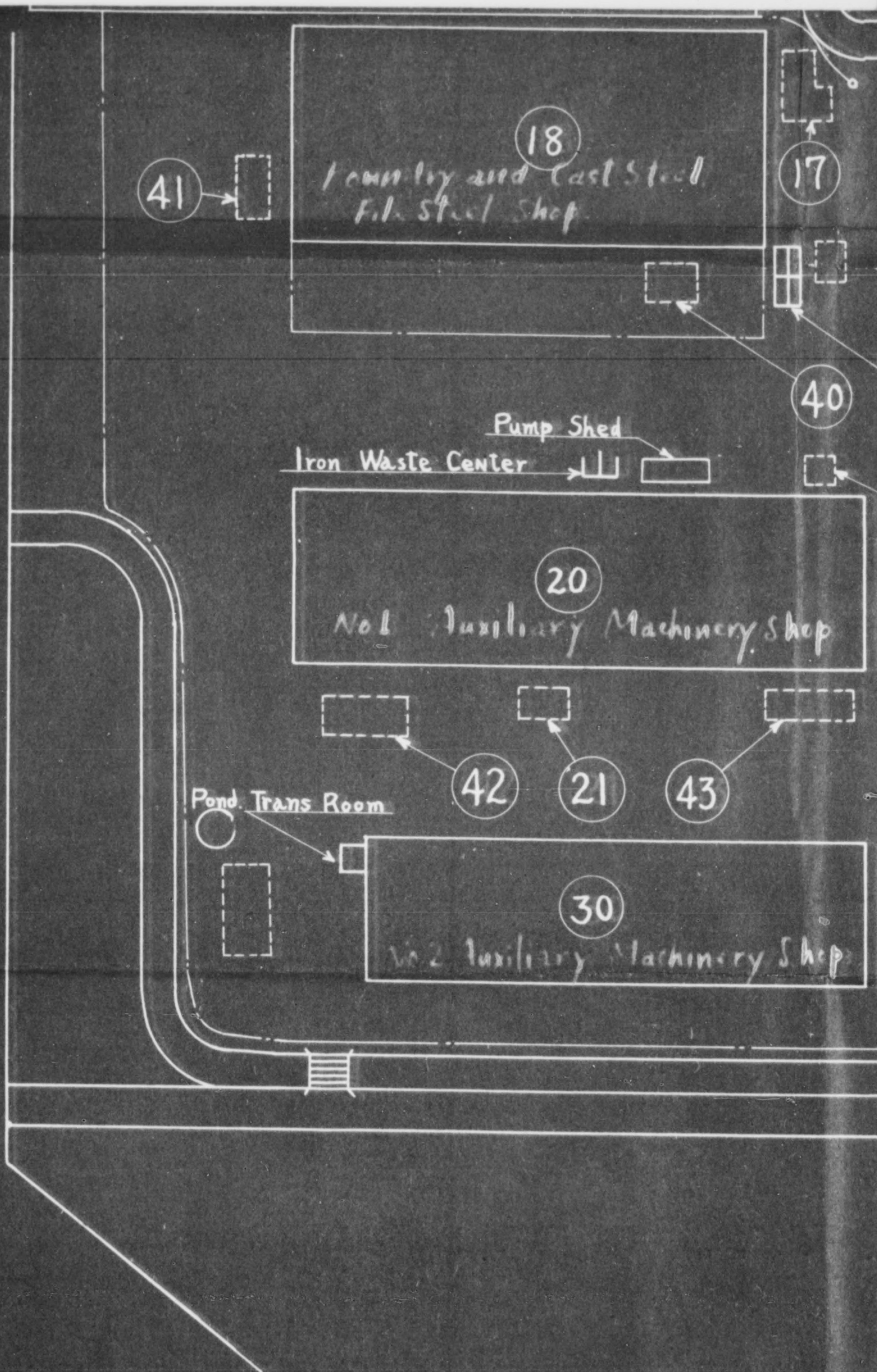
FOR NIGATA →

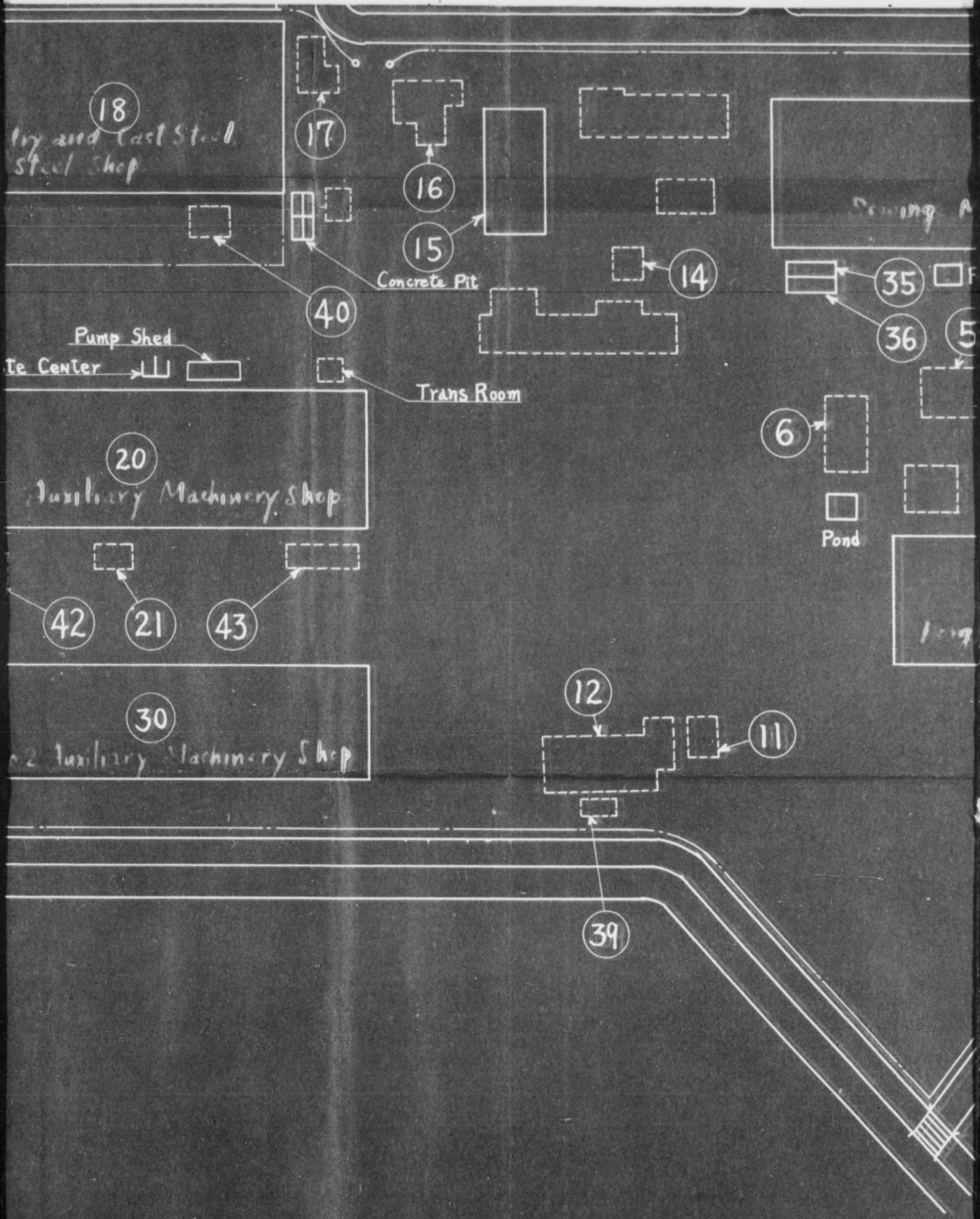


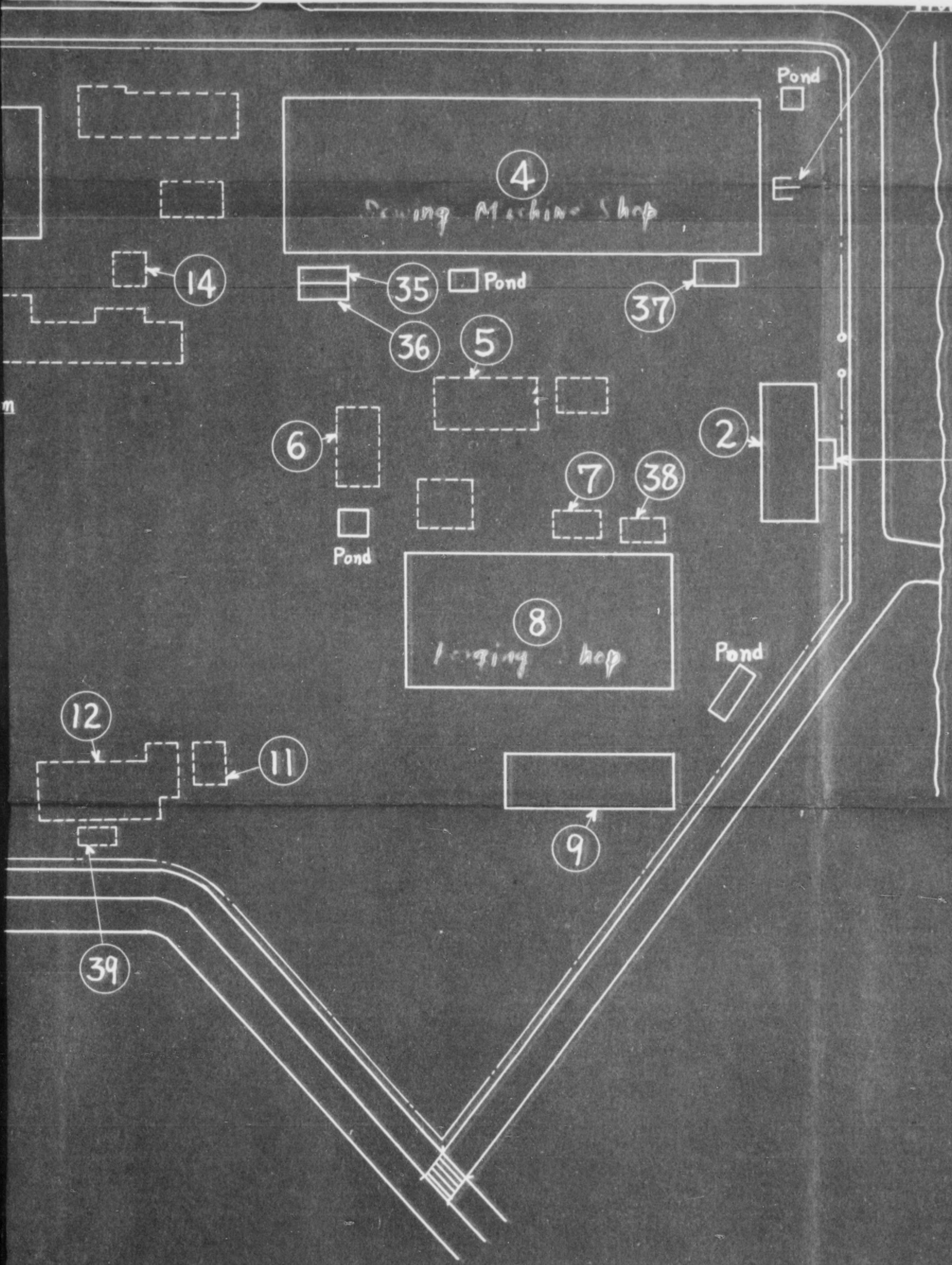
Iron Waste Pond Center

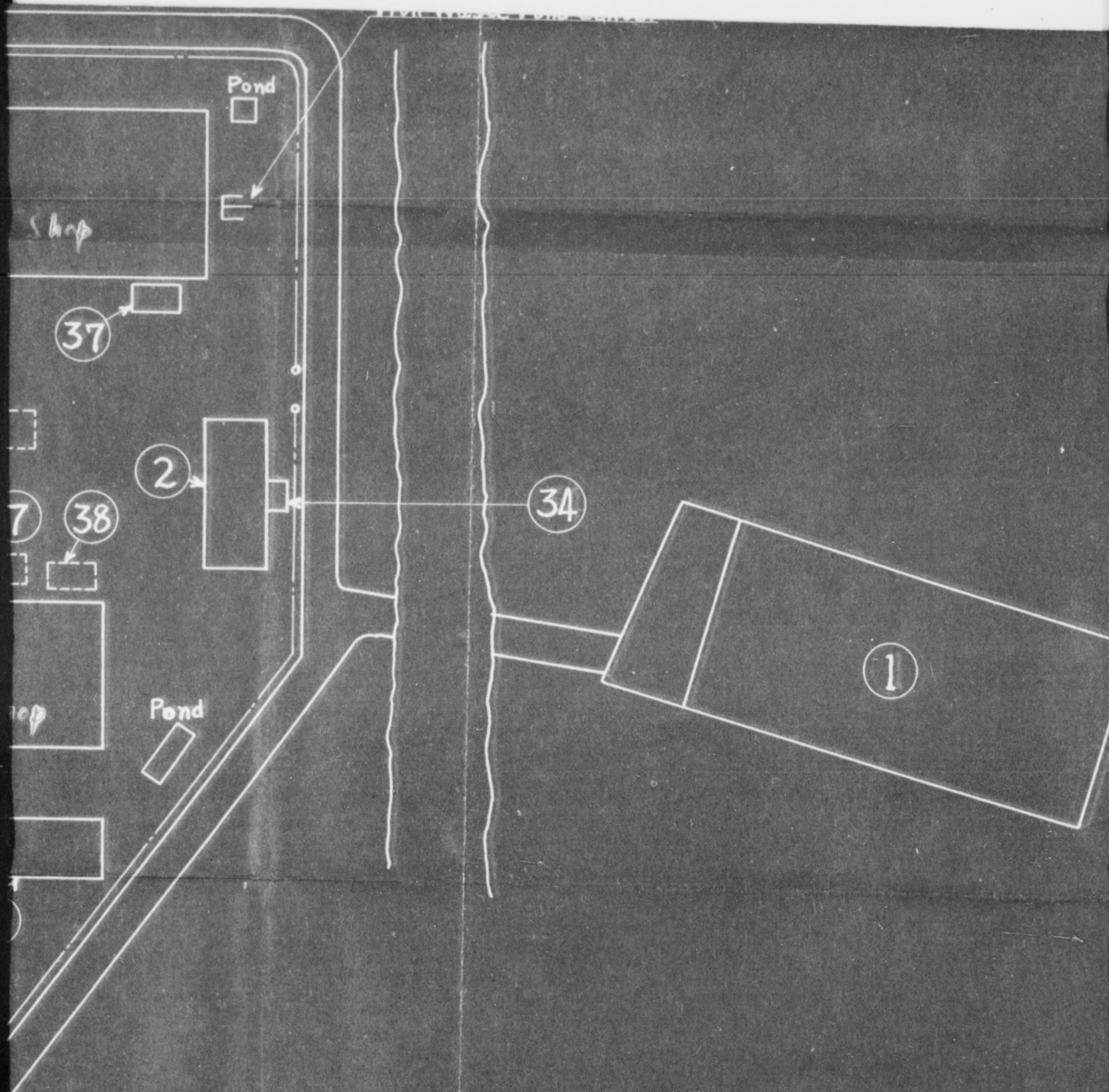


38	No. 115 Shop Latrine	()	
39	Misc WARE House	19.4	
40	Ware House	31.3	
41	No. 115 Shop Latrine	10 (3 Tubo)	
42	NO. 3 Utensil Latrine	35 (10 Tubo)	
43	"	()	

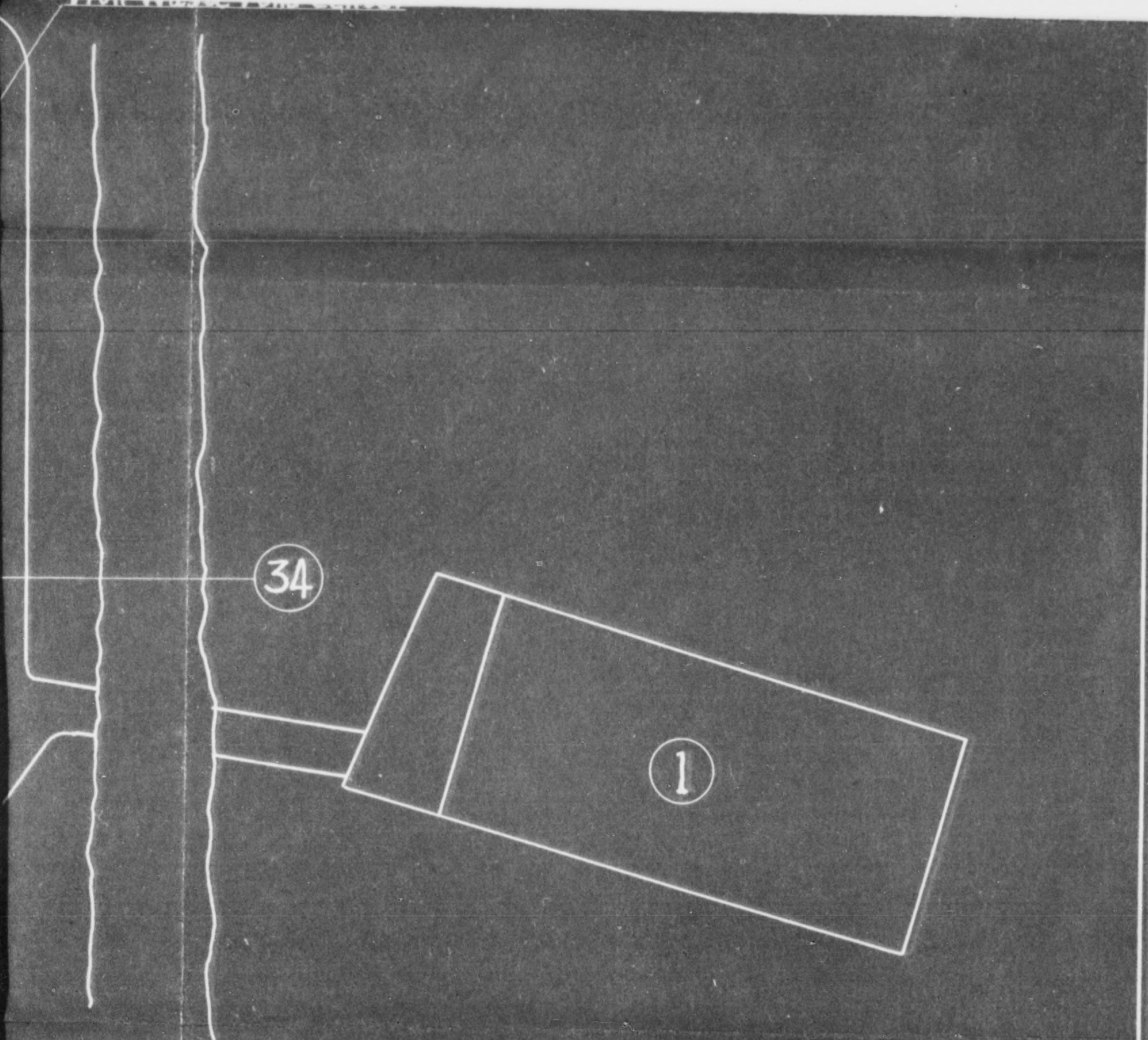




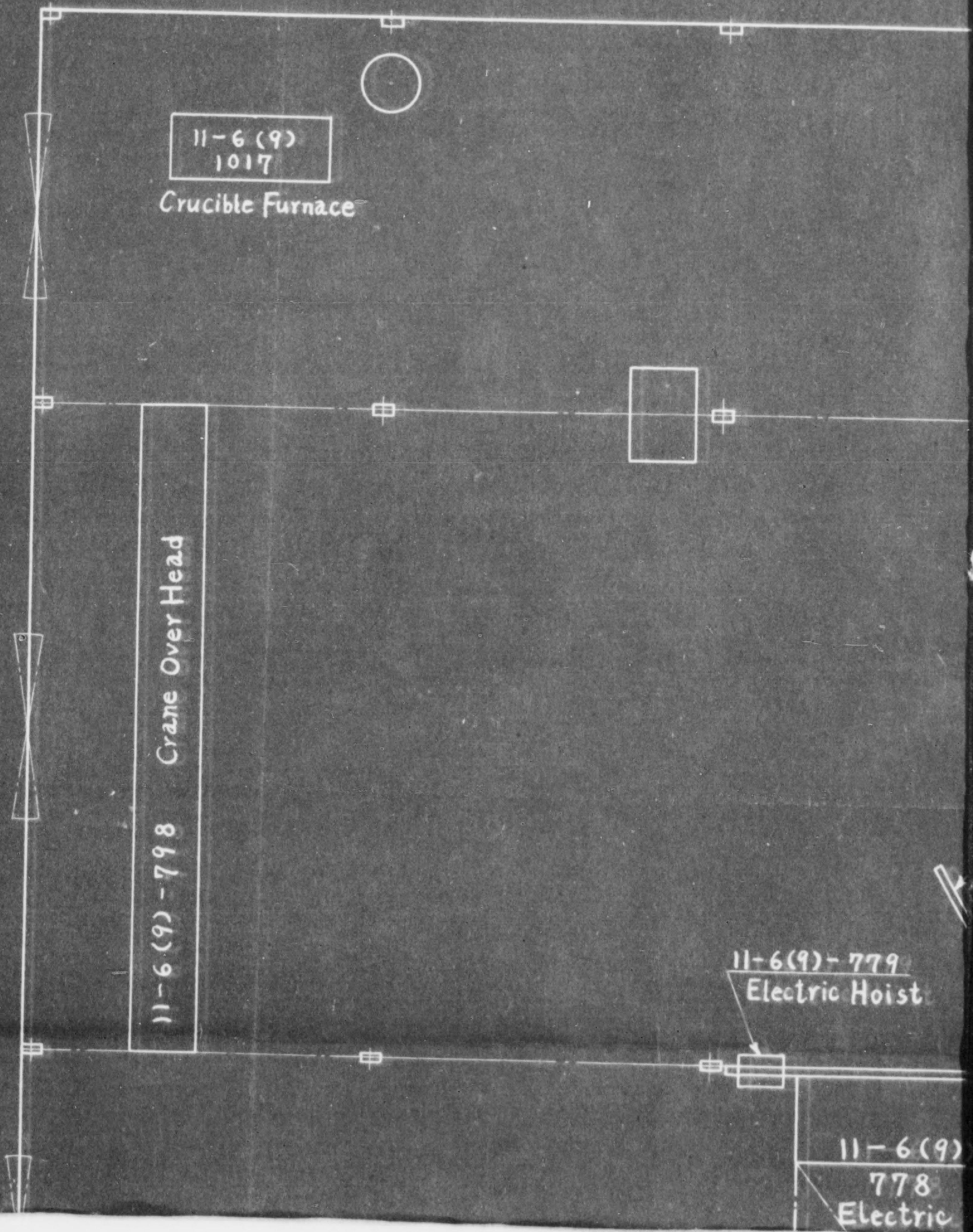




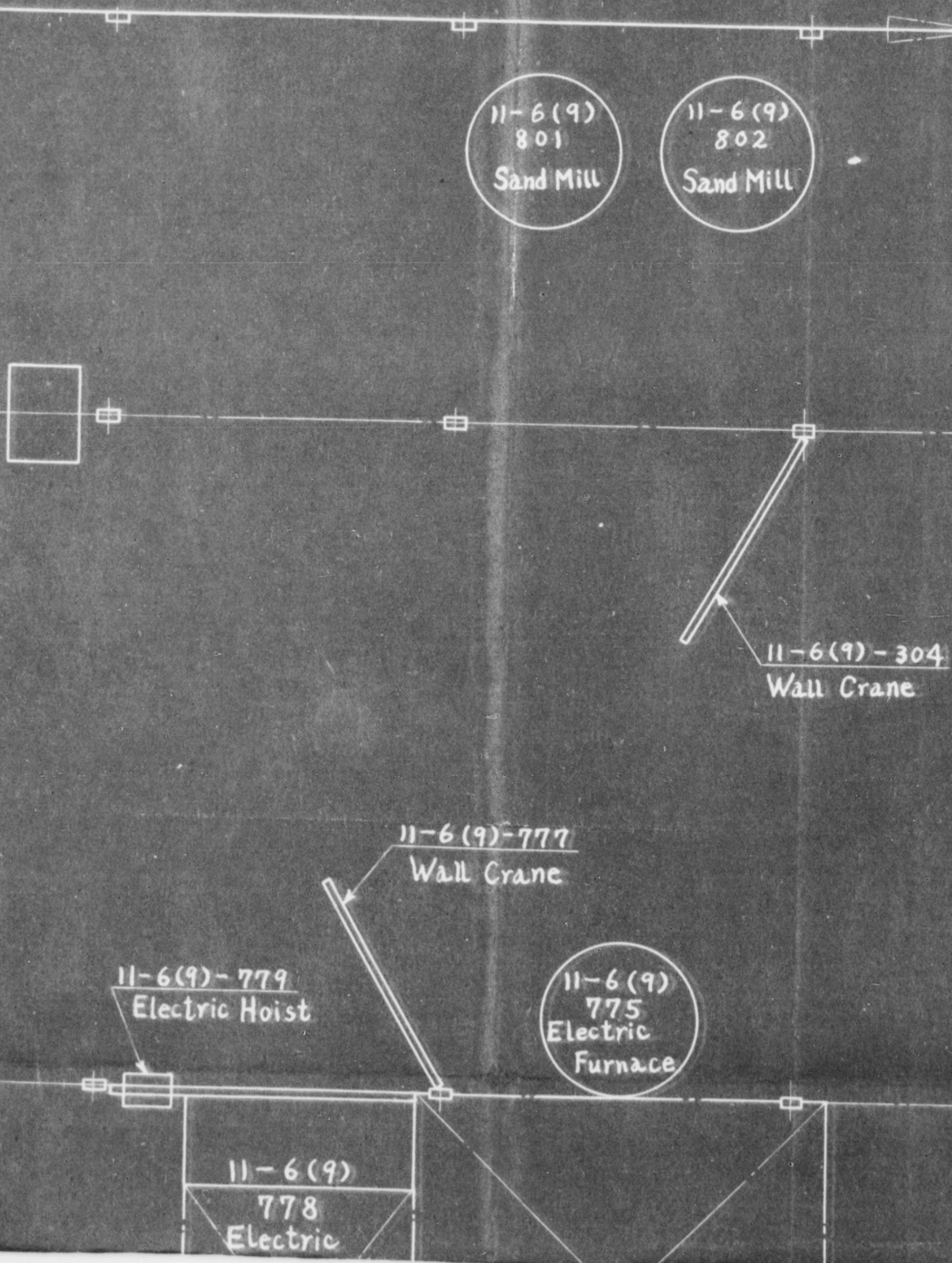
TOMO SHINTETSU KOGYO K.K. KURE PLANT LAY OUT	Scale	1/1000	Date
	Drawing		
	Tracing		J.M.
	check		M.S.
	Sign		M.
Tomo Shintetsu Kogyo K.K. KURE PLANT		Drawing No.	TK



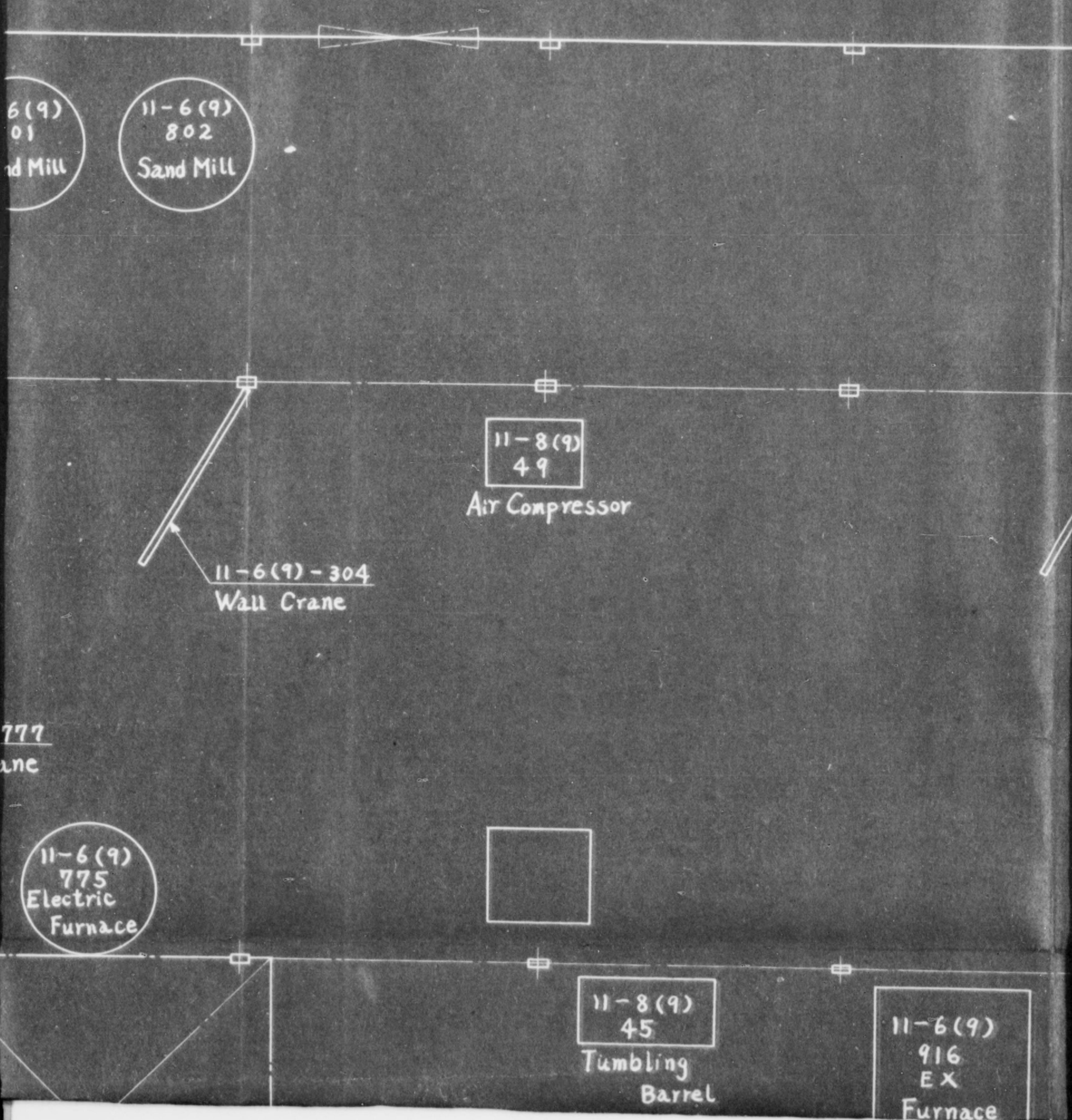
TOMO SHINTETSU KOGYO K.K. KURE PLANT LAY OUT	Scale	$\frac{1}{1000}$	Date	29 March 51
	Drawing			
	Tracing	J. Matsuo, H. Saito		
	Check	M. Shibata		
	Sign	M. Ikeda		
Tomo Shintetsu Kogyo K.K. KURE PLANT	Drawing No.	TK.	1	



FOUNDRY AND CAST STEEL, F.
(Building No. 18)



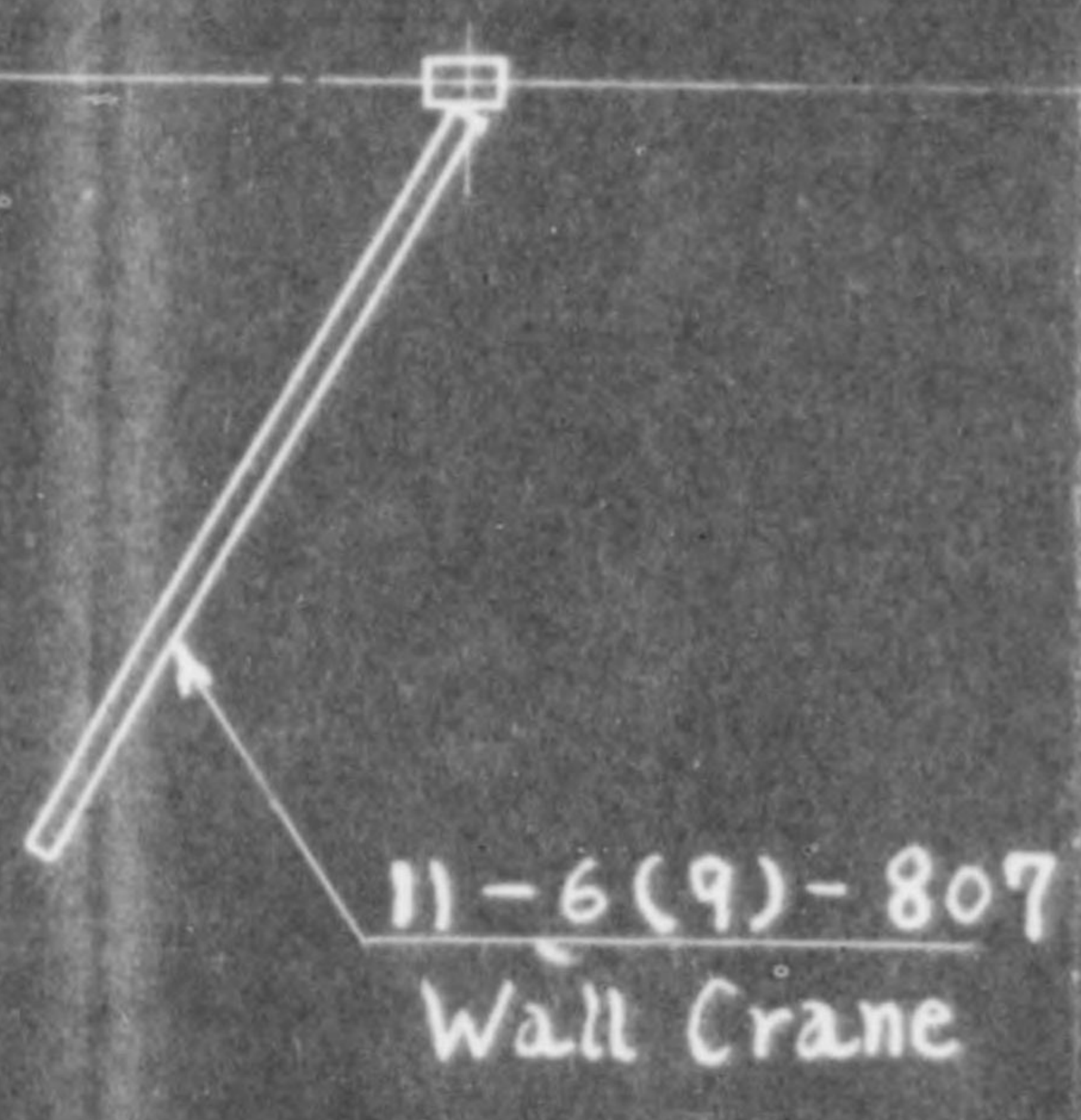
DRY AND CAST STEEL, FILE STEEL SHOP
(Building No. 18)



777
ane

STEEL SHOP

(9)
Compressor

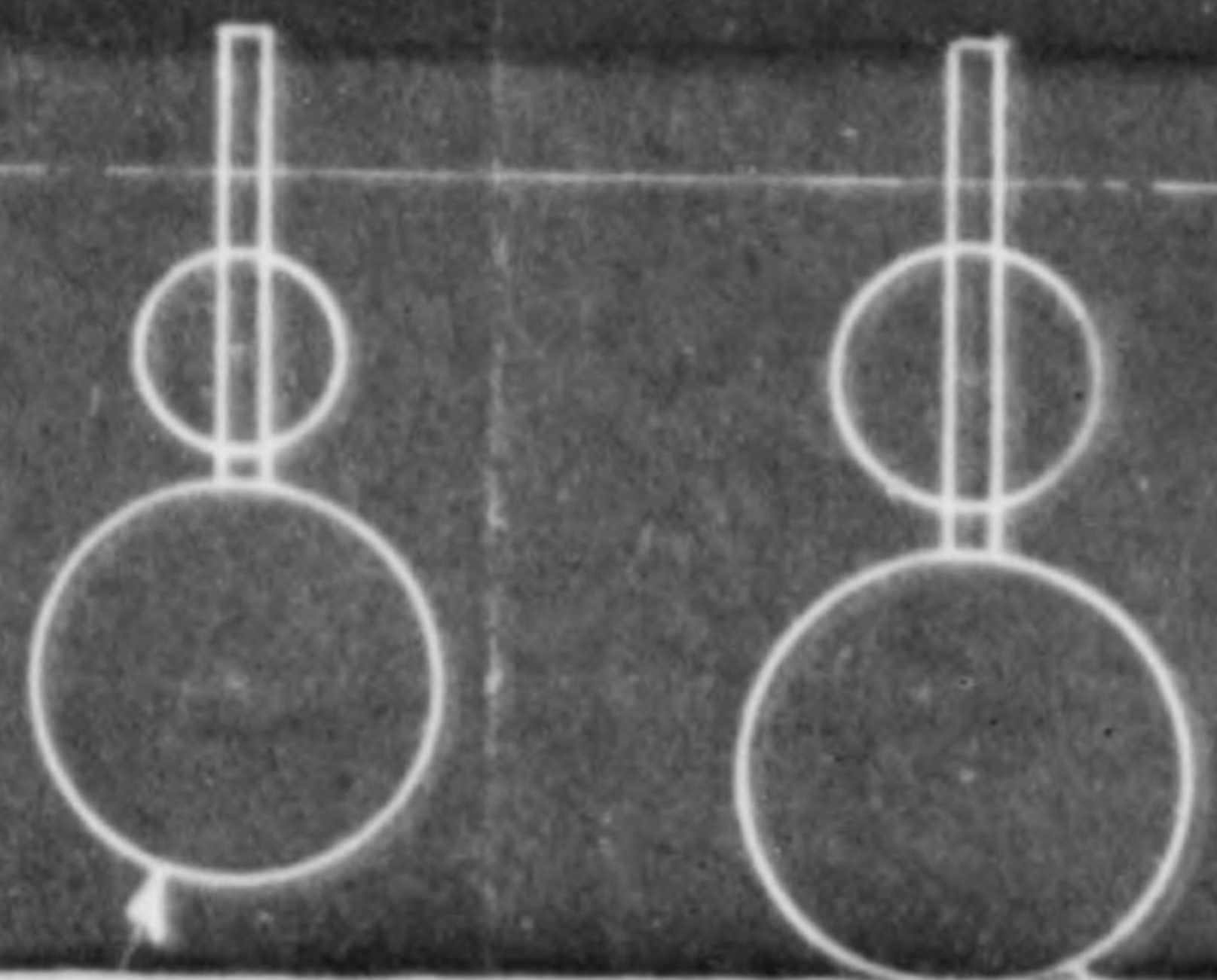


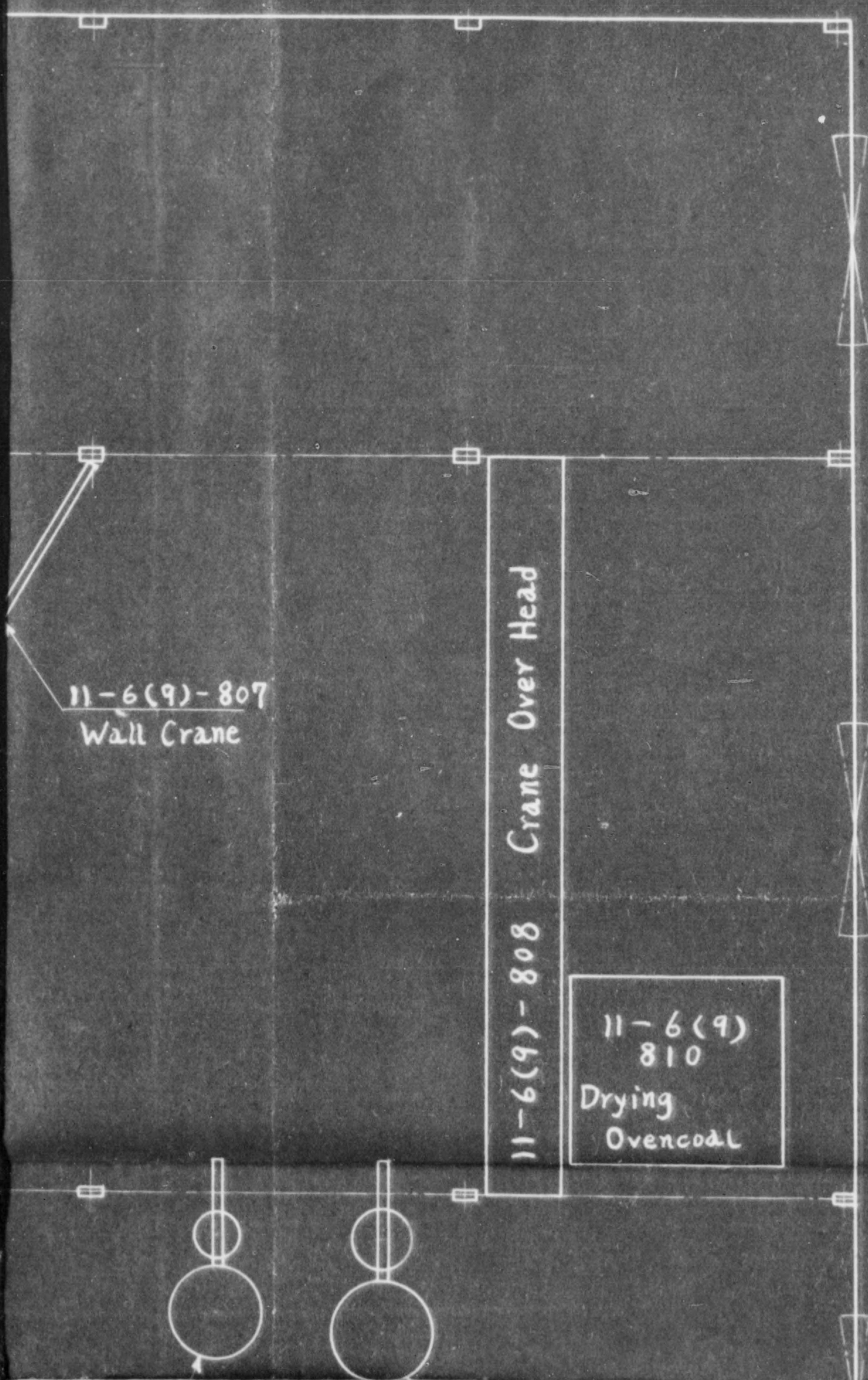
11-6(9)-808 Crane Over Head

11-6(9)-810
Drying Oven

11-8(9)
45
Tumbling
Barrel

11-6(9)
916
EX
Furnace

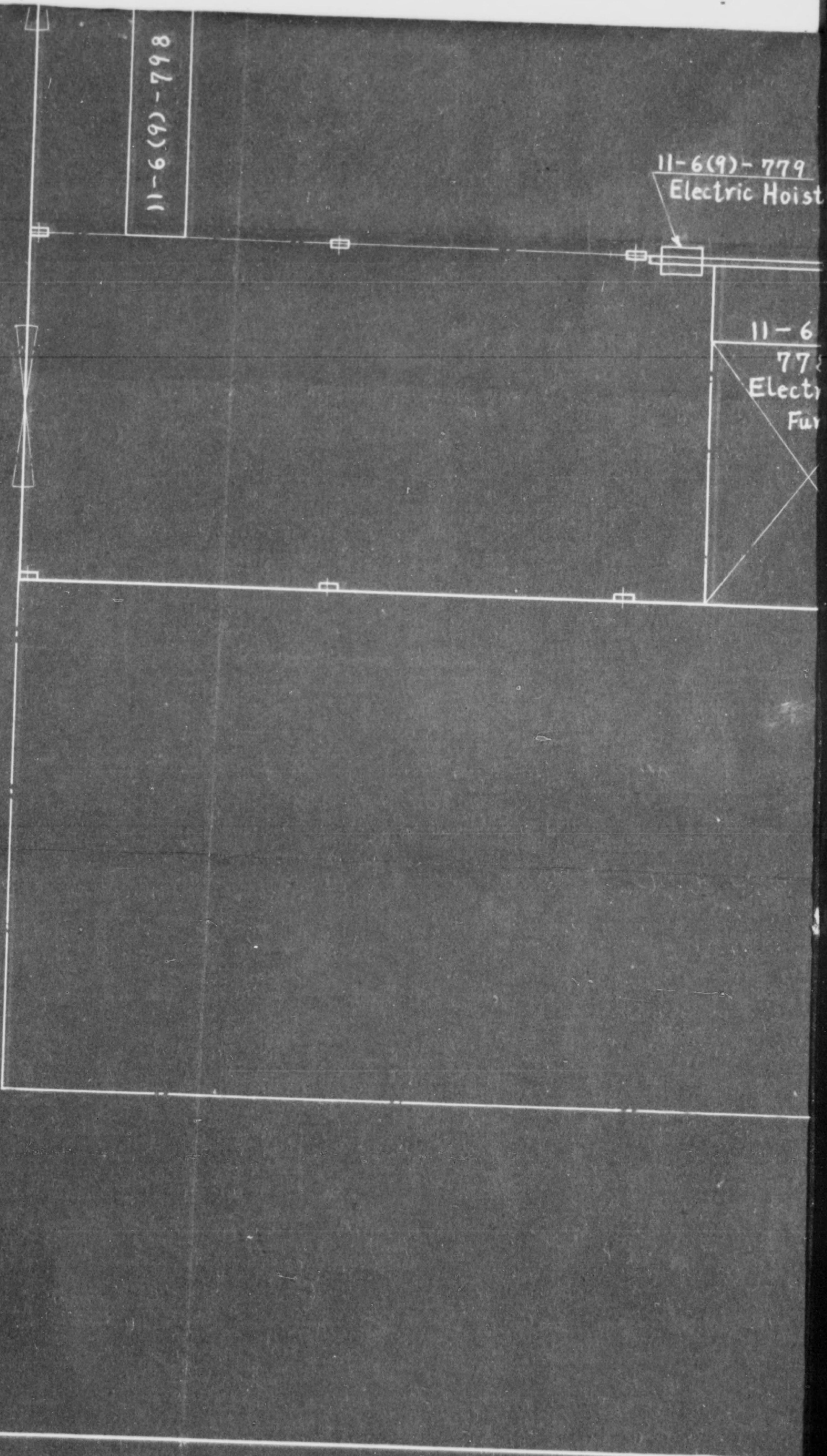


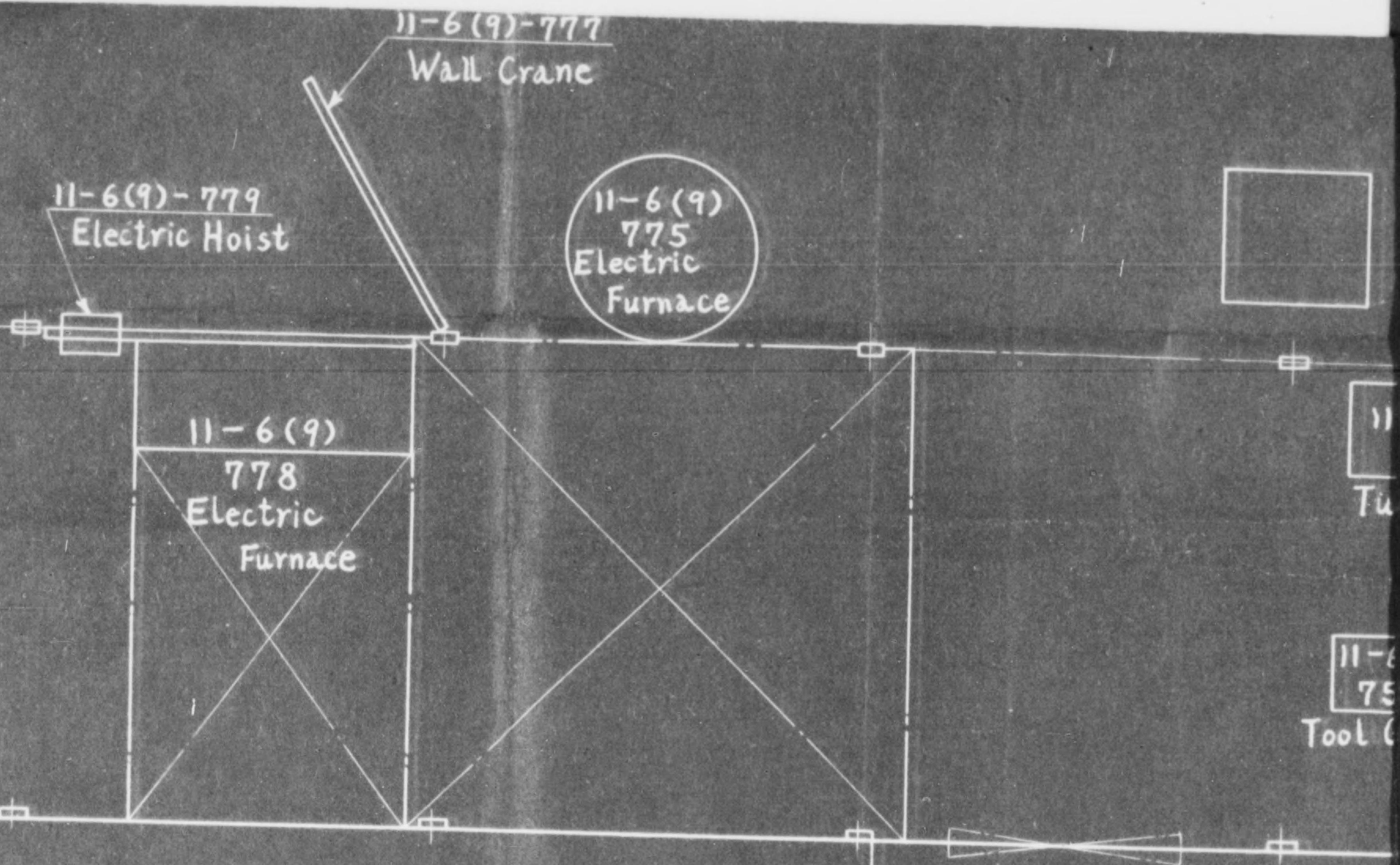


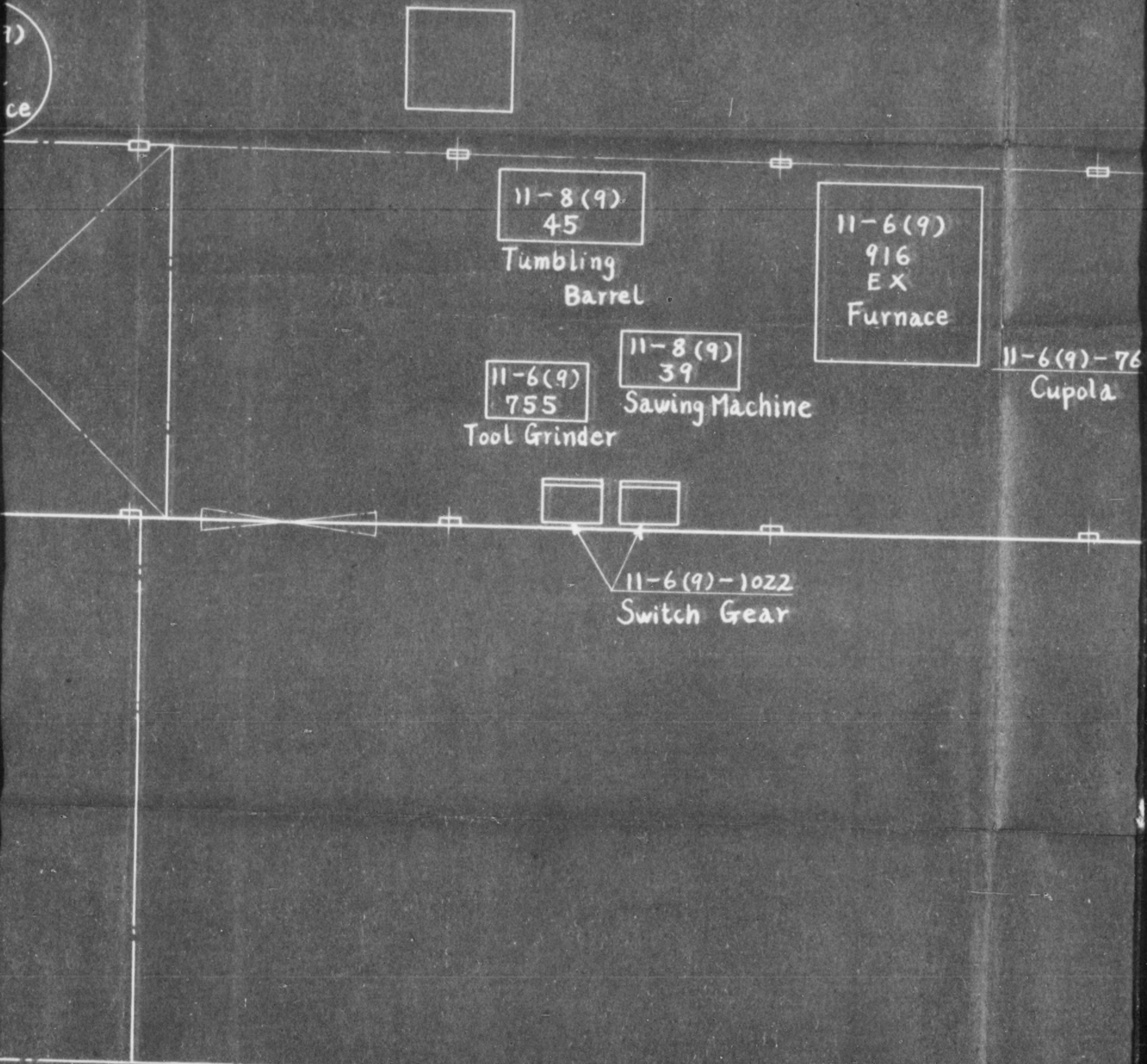
11-6(9)-798

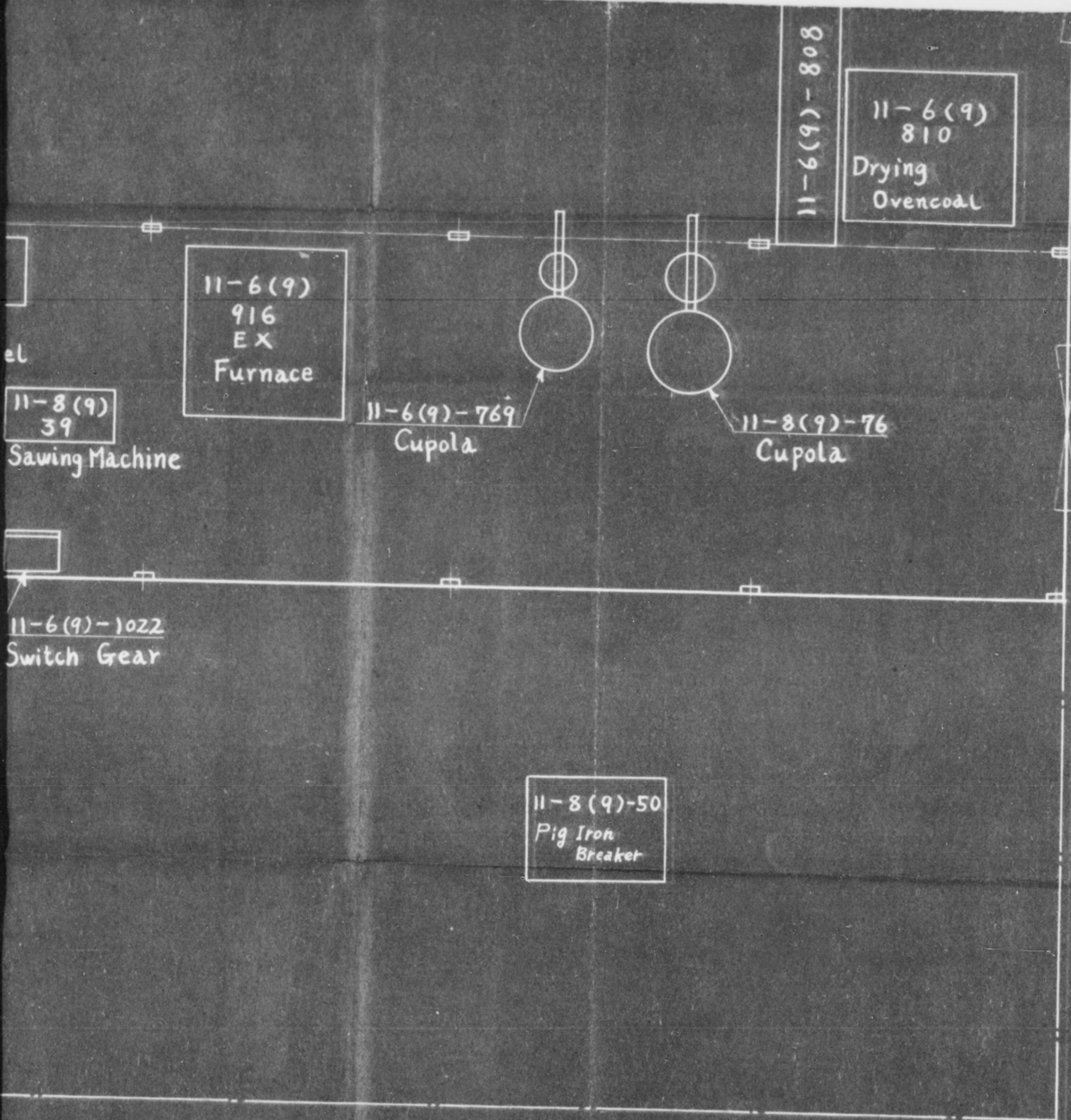
11-6(9)-779
Electric Hoist

11-6
77
Elect
Fur

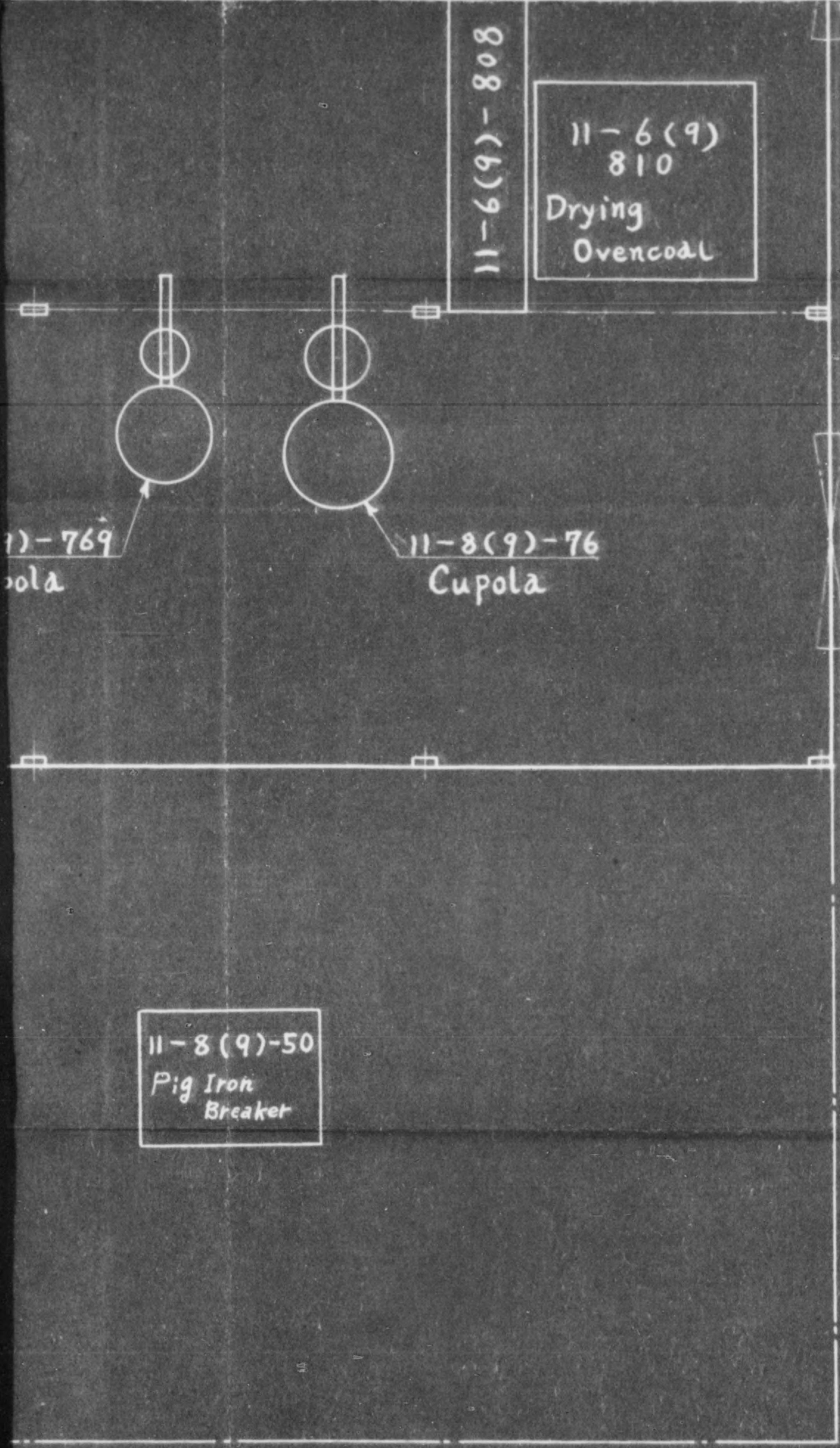




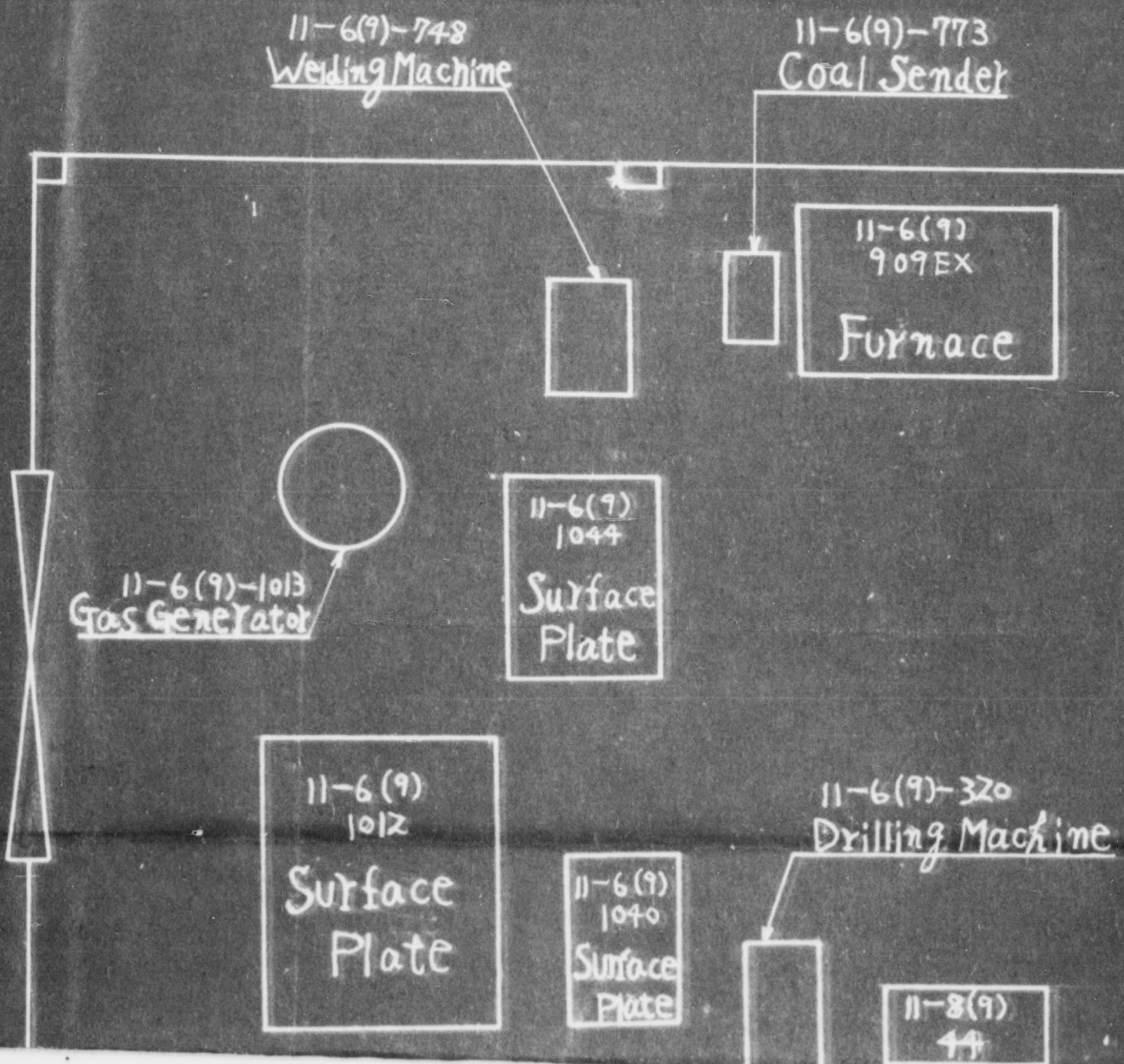




FOUNDRY AND CAST STEEL FILE STEEL SHOP		S D T C S
Tomo Shintetsu Kogyo K.K. / KURE PLANT		Dra N



FOUNDRY AND CAST STEEL FILE STEEL SHOP	Scale	1/150	Date	29 March 51
	Drawing			
	Tracing		M. Shiba	
	Check		M. Shibata	
	Sign		M. Ikeda	
Tomo Shintetsu Kogyo K.K. / KURE PLANT		Drawing NO.	TK.	2



11-6(9)-773
Postal Sender

FORGING SHOP
(Building No. 8)

11-6(9)
909EX
Furnace

11-6(9)
732

Steam Hammer

11-6(9)
738
Furnace

11-6(9)
731

Air Hammer

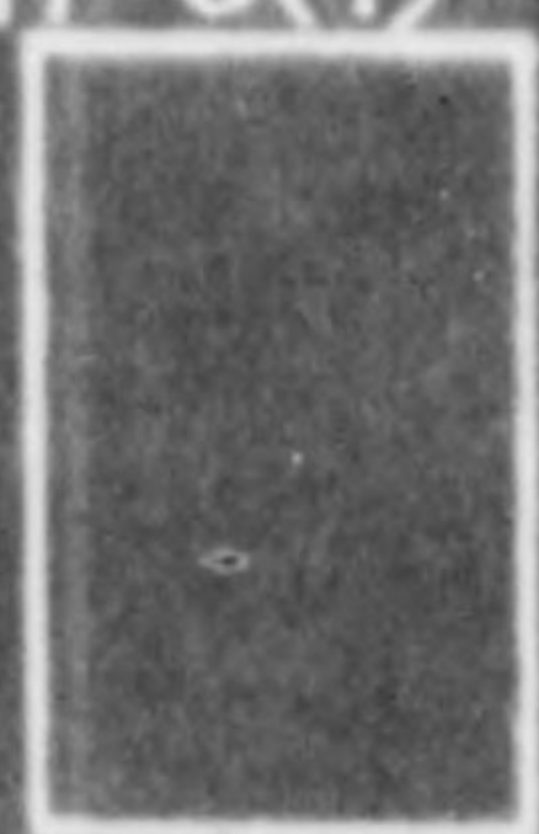
11-6(9)
737
Furnace

11-6(9)
739

Air

11-6(9)-320
Drilling Machine

EX
11-6(9)-1072



11-8(9)
44

EX
11-6(9)-1073



FORGING SHOP

Building VC. 8)

11-6(9)
731

Air Hammer

11-6(9)
737
Furnace

11-6(9)
730

Air Hammer

11-6(9)
729

Steam Hammer

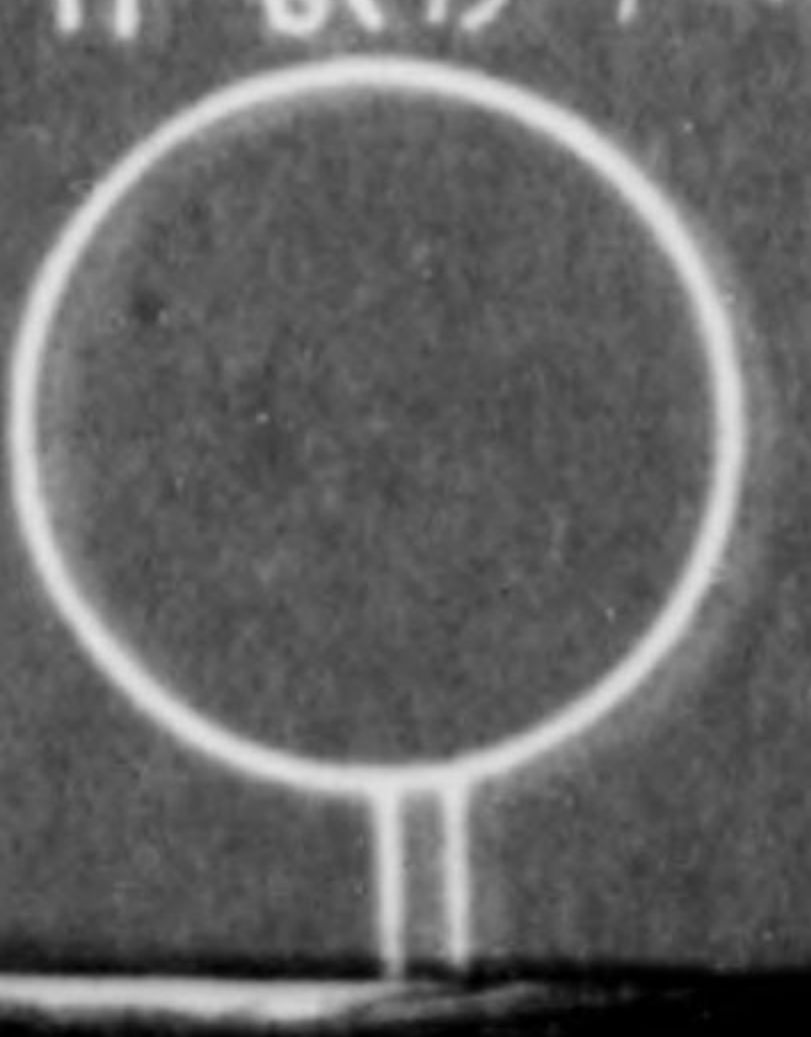
11-6(9)
728

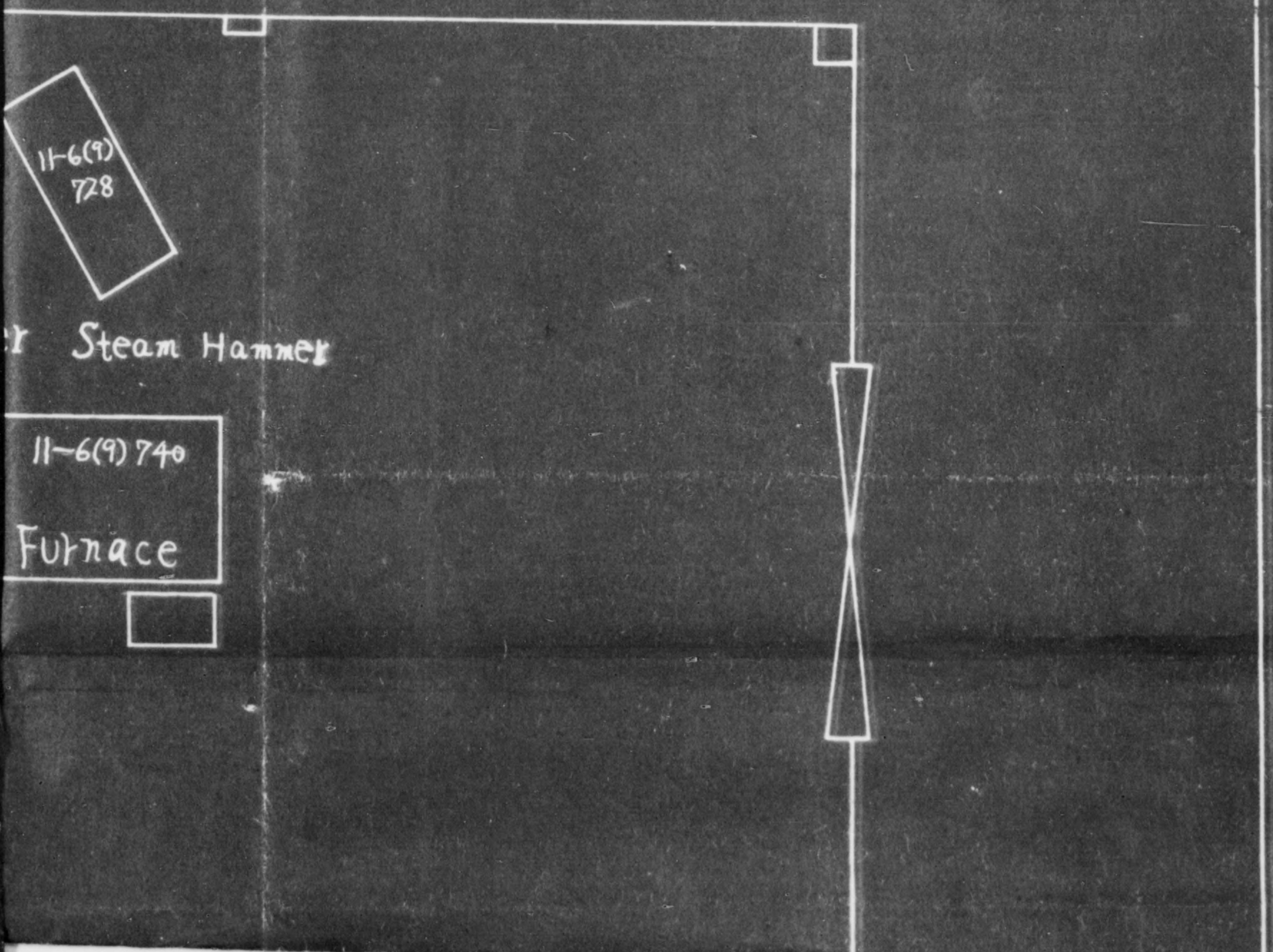
Steam Hammer

11-6(9) 739
Furnace

11-6(9) 740
Furnace

EX
11-6(9)-1073



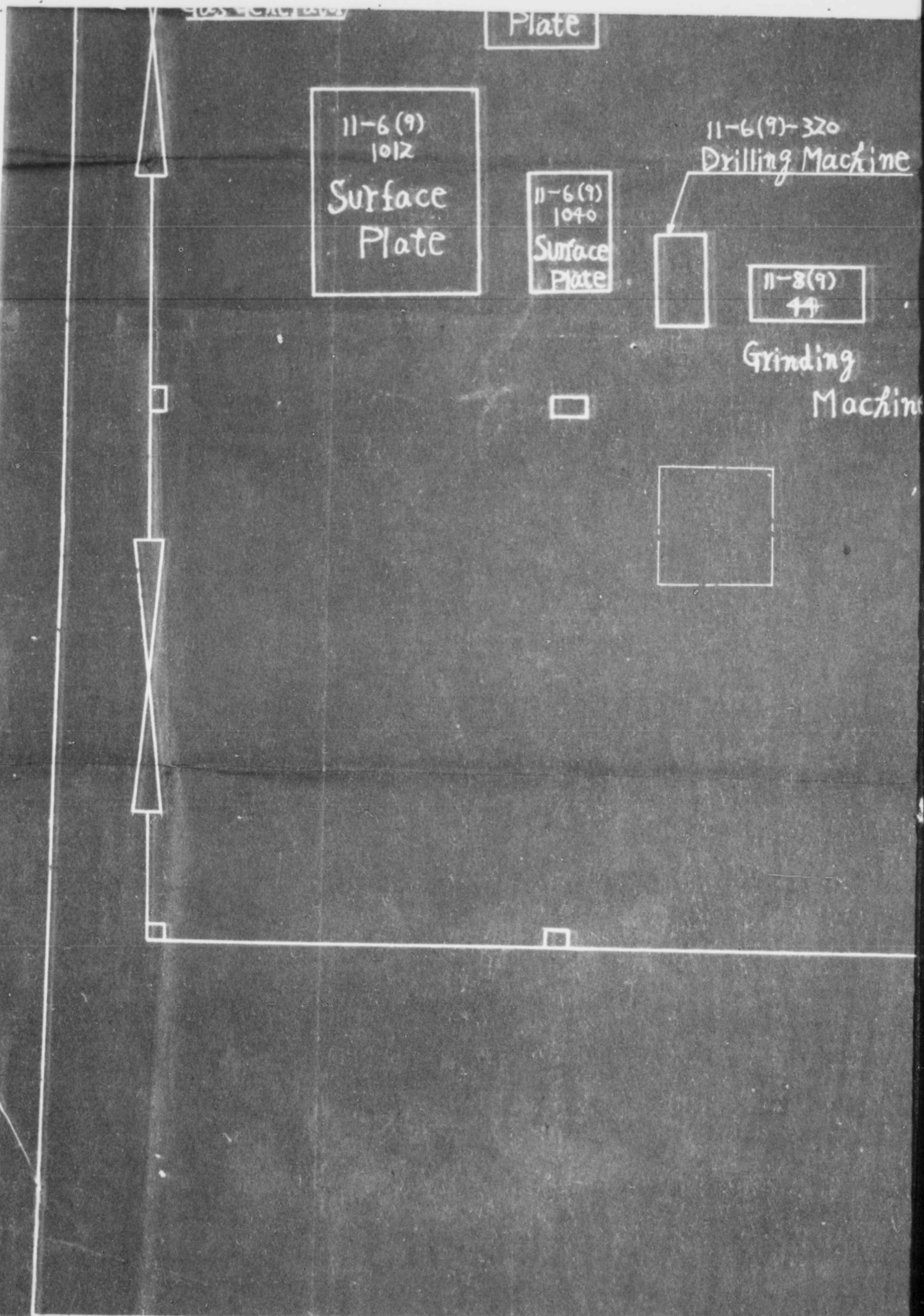


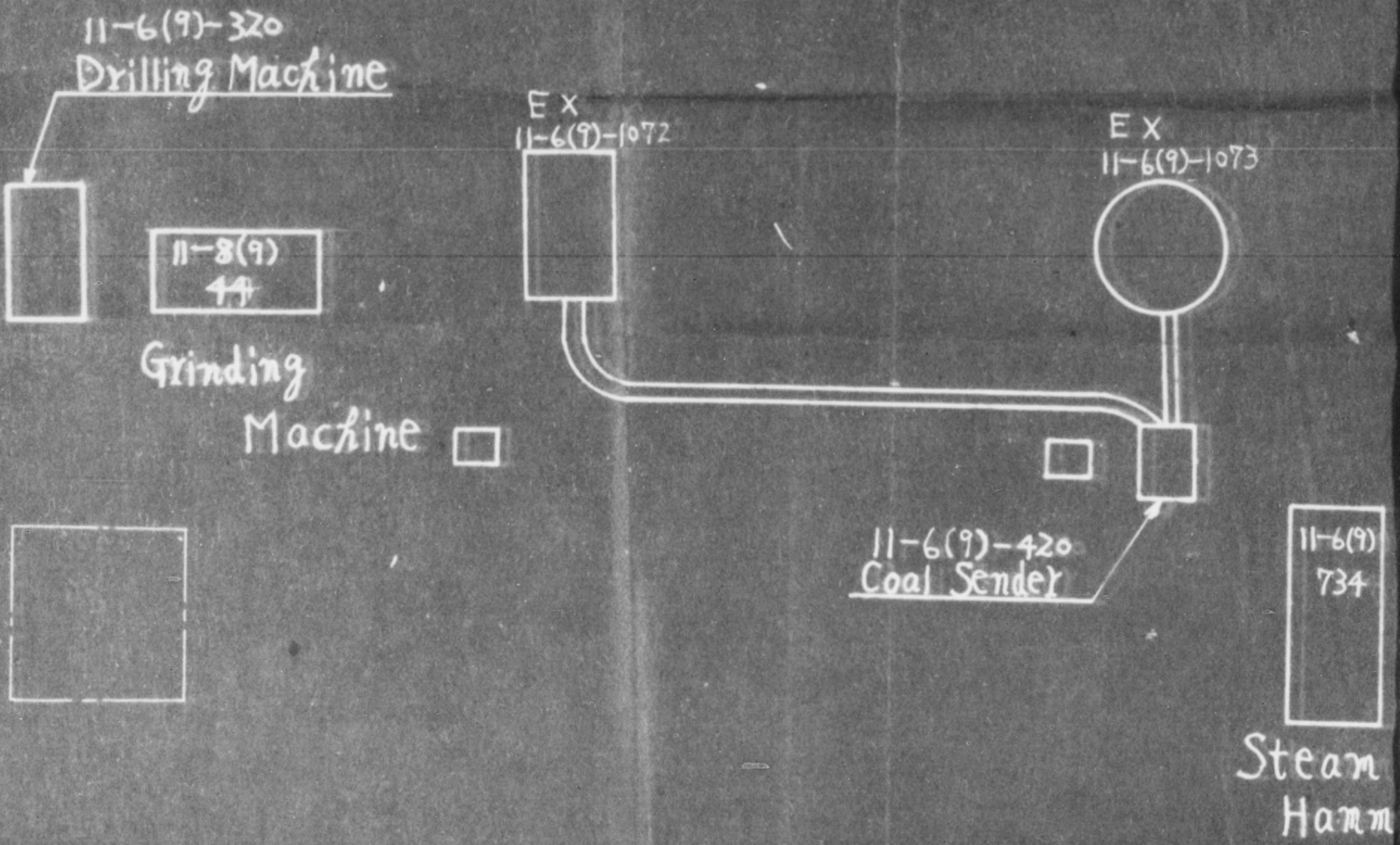
11-6(9)
728

Steam Hammer

11-6(9) 740

Furnace





Furnace

Furnace

EX
11-6(9)-1073

11-6(9)-420
Coal Sender

11-6(9)
734

11-6(9)
733

11-6(9)742

11-6(9)741

Steam
Hammer

Steam
Hammer

Furnace

Furnace

11-6(9)744

Furnace

11-6(9)745

Furnace

Furnace

Furnace



11-6(9)
733

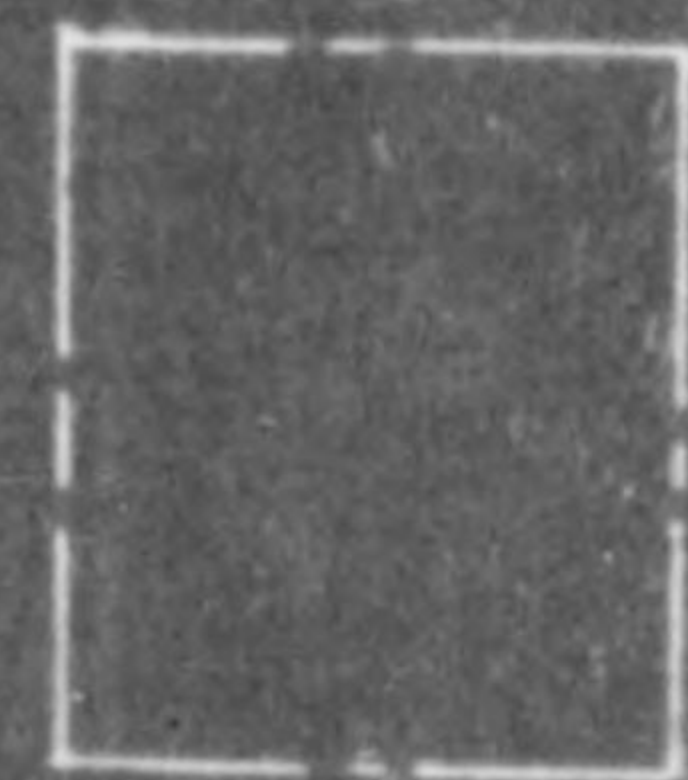
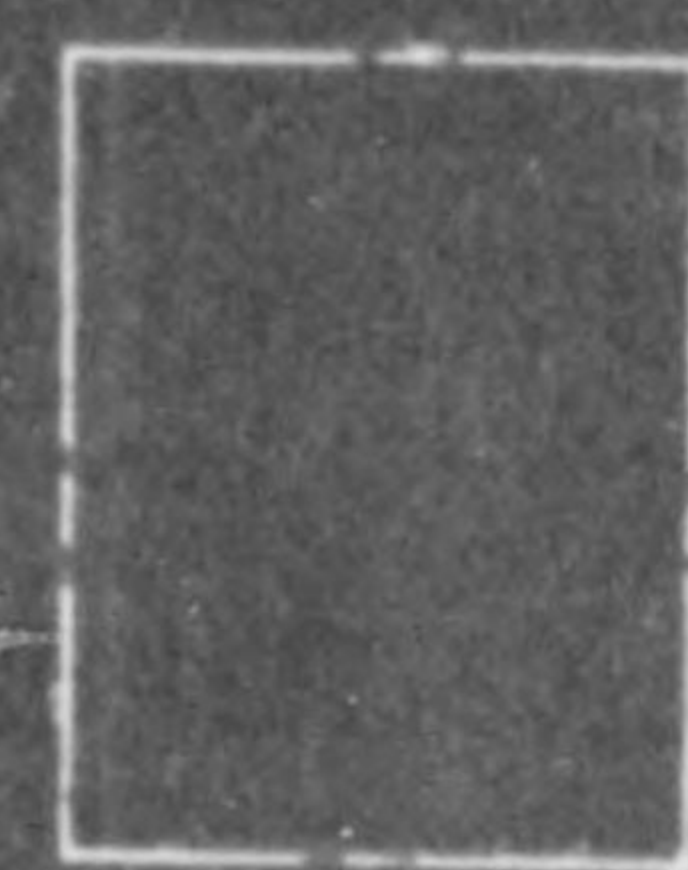
Steam
Hammer

11-6(9)742

Furnace

11-6(9)741

Furnace



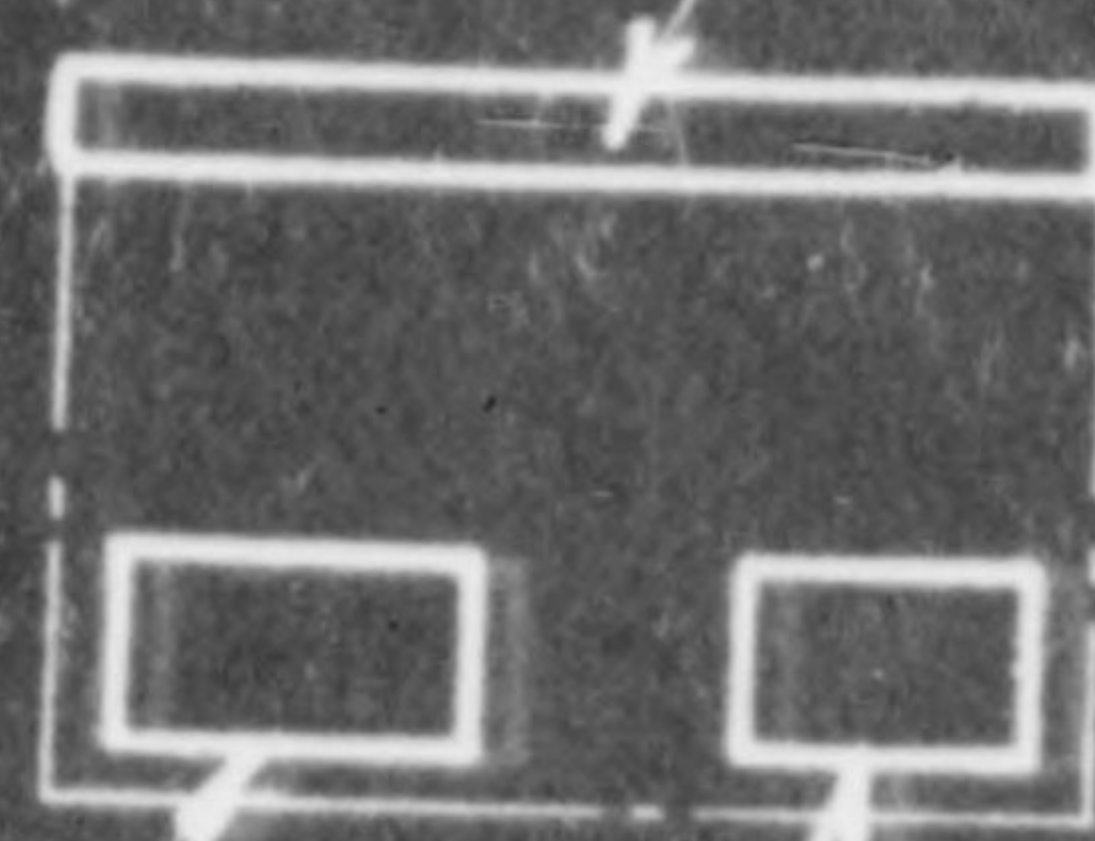
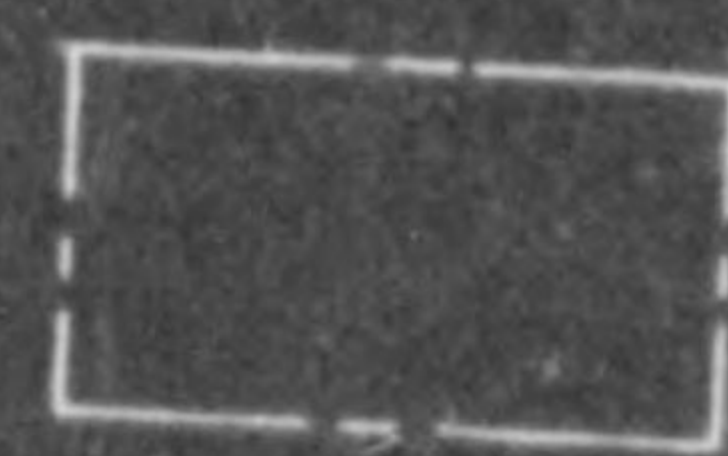
11-6(9)744

Furnace

11-6(9)743

Furnace

11-6(9)-1015
Switch Gear



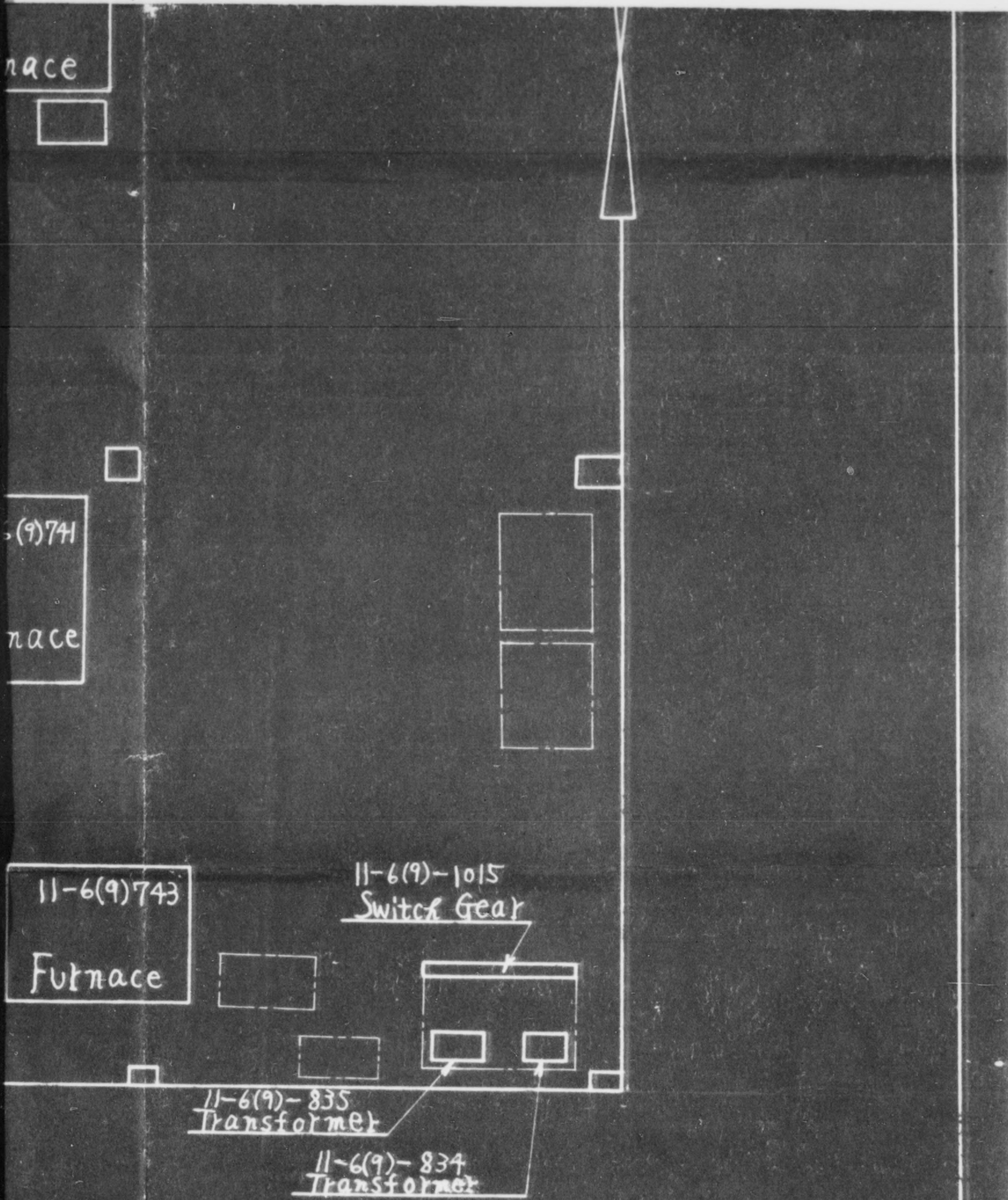
11-6(9)-835
Transformer

11-6(9)-834
Transformer

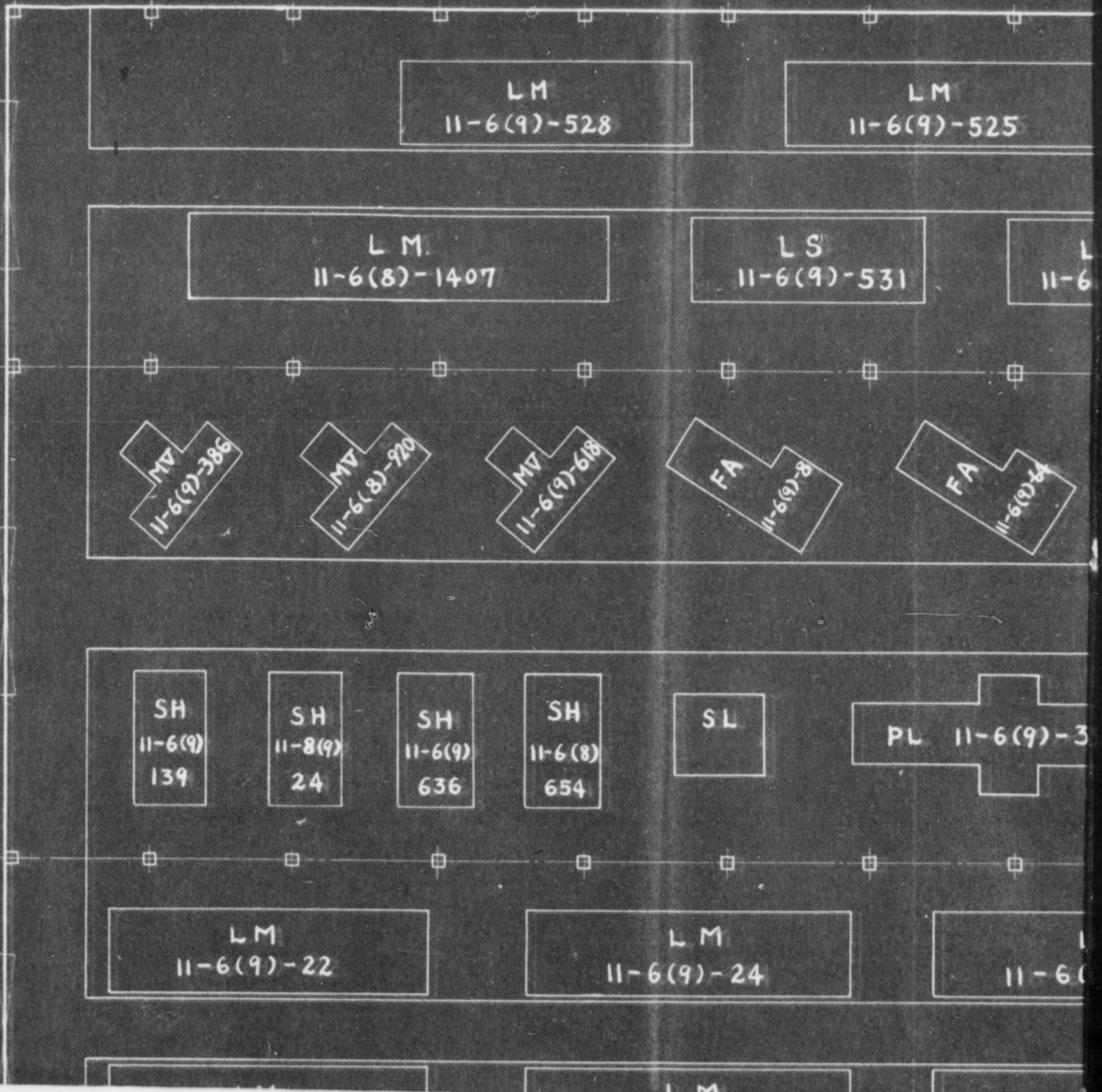
FORGING SHOP

Tomo Shintetsu Kogyo K.K.
KURE PLANT

S
D
T
C
S
Dr
M



FORGING SHOP	Scale	1/100	Date	30 March 51
	Drawing			
	Tracing		大川	
	Check		M. Shibata	
	Sign		M. Ikeda	
Tomo Shintetsu Kogyo K.K. KURE PLANT		Drawing NO.	TK.	3



LM
11-6(9)-528

LM
11-6(9)-525

LM
11-6(8)-1407

LS
11-6(9)-531

L
11-6

MA
11-6(6)-386

MA
11-6(8)-920

MA
11-6(9)-618

FA
11-6(9)-8

FA
11-6(9)-11

SH
11-6(9)
139

SH
11-8(9)
24

SH
11-6(9)
636

SH
11-6(8)
654

SL

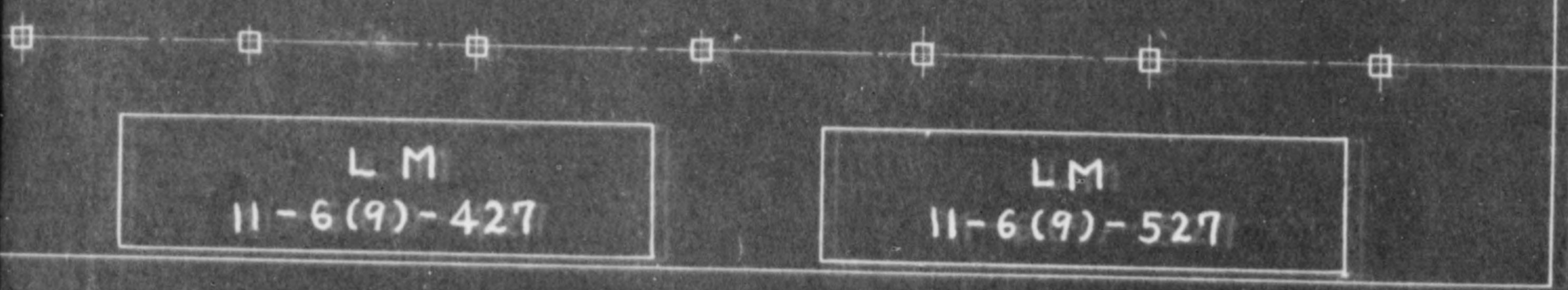
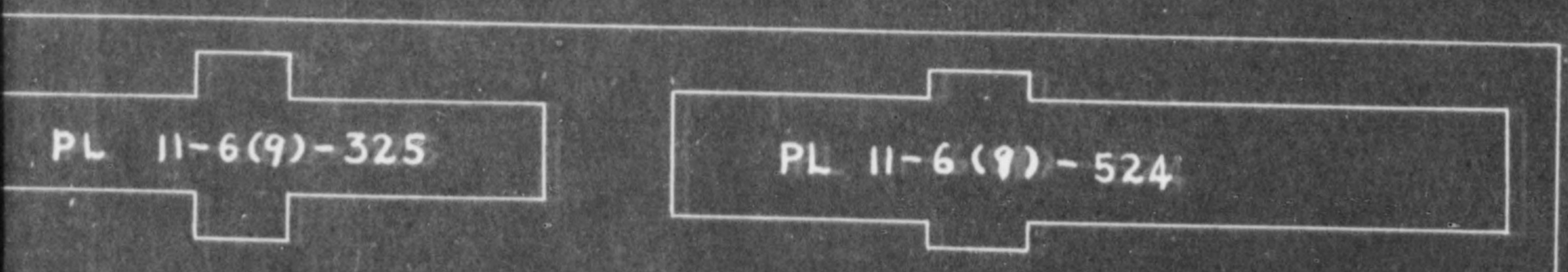
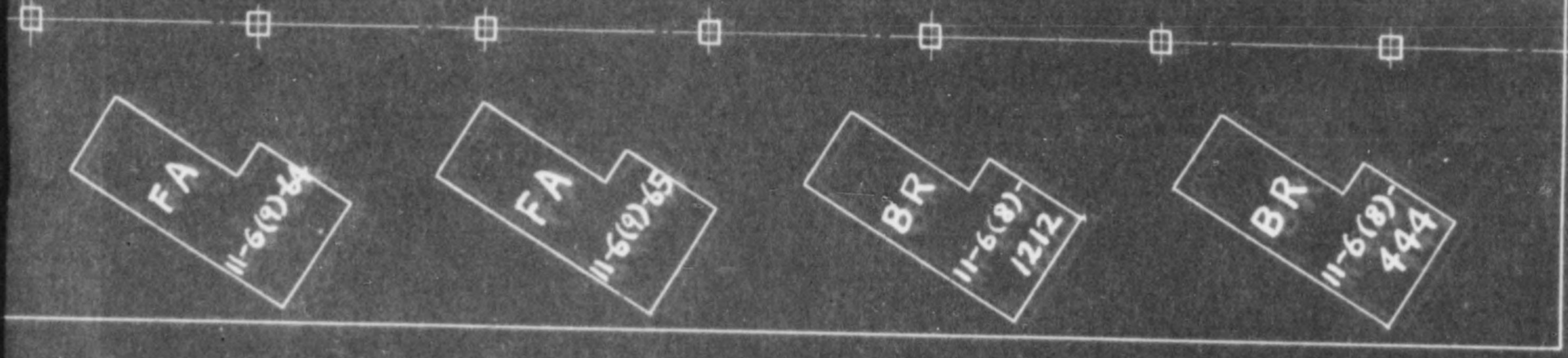
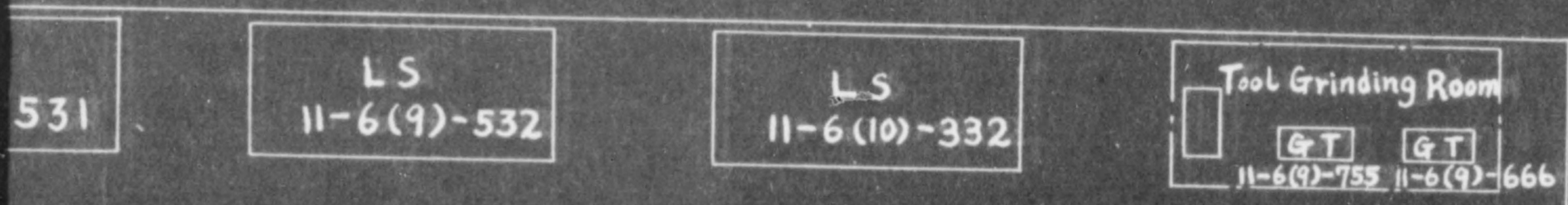
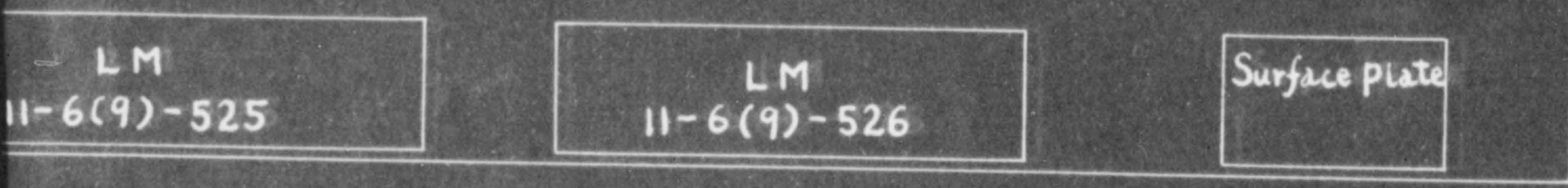
PL 11-6(9)-3

LM
11-6(9)-22

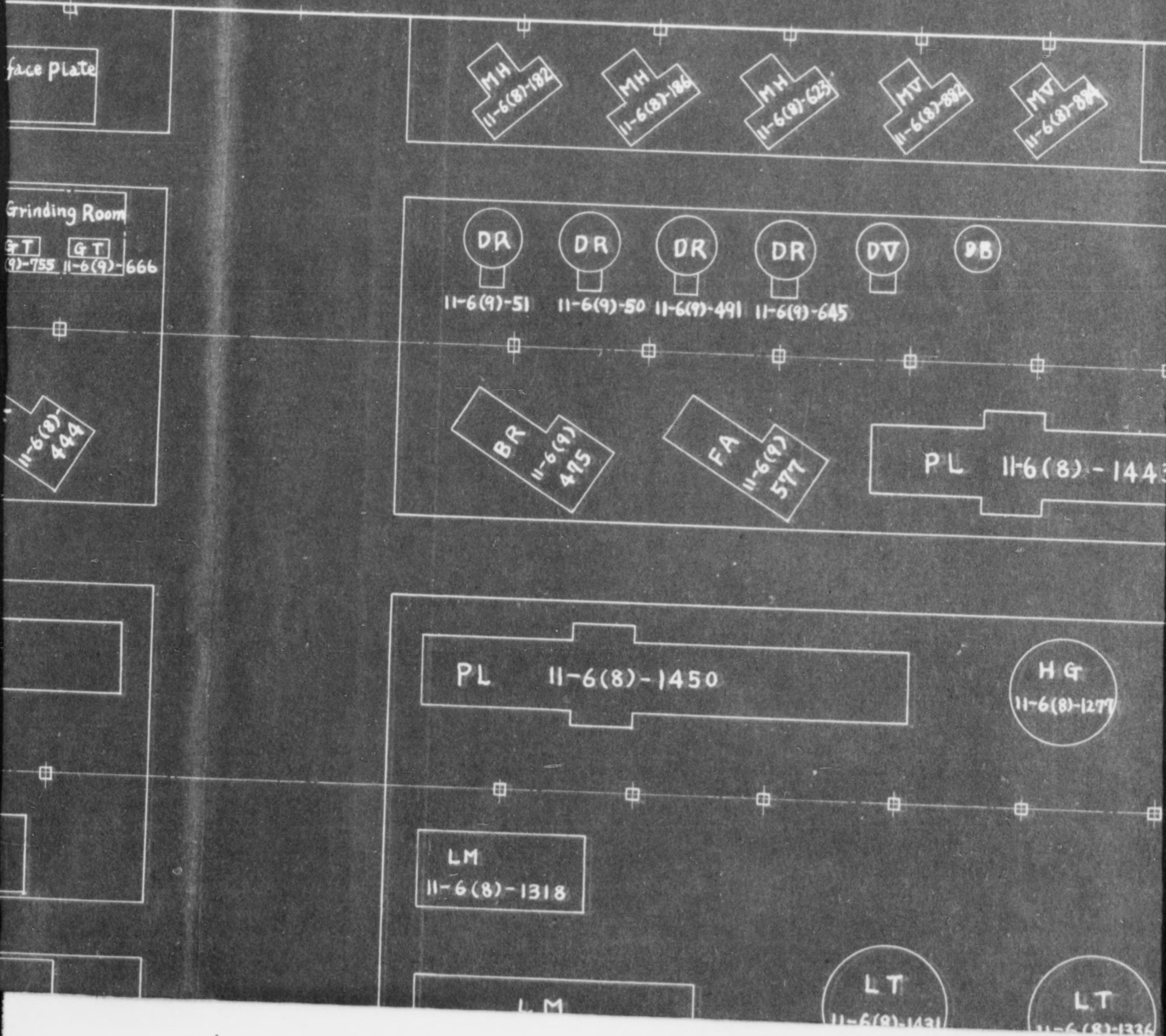
LM
11-6(9)-24

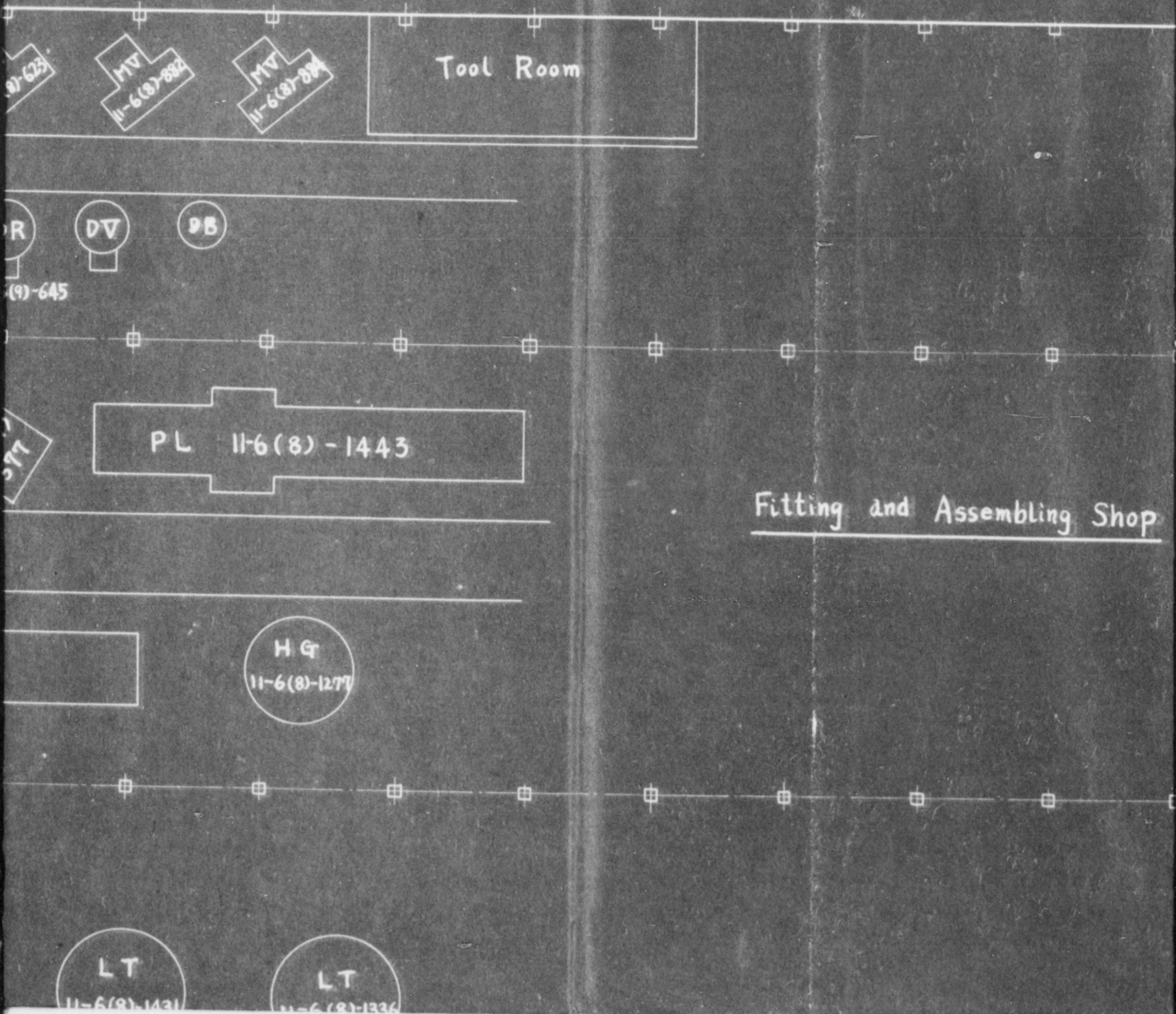
L
11-6

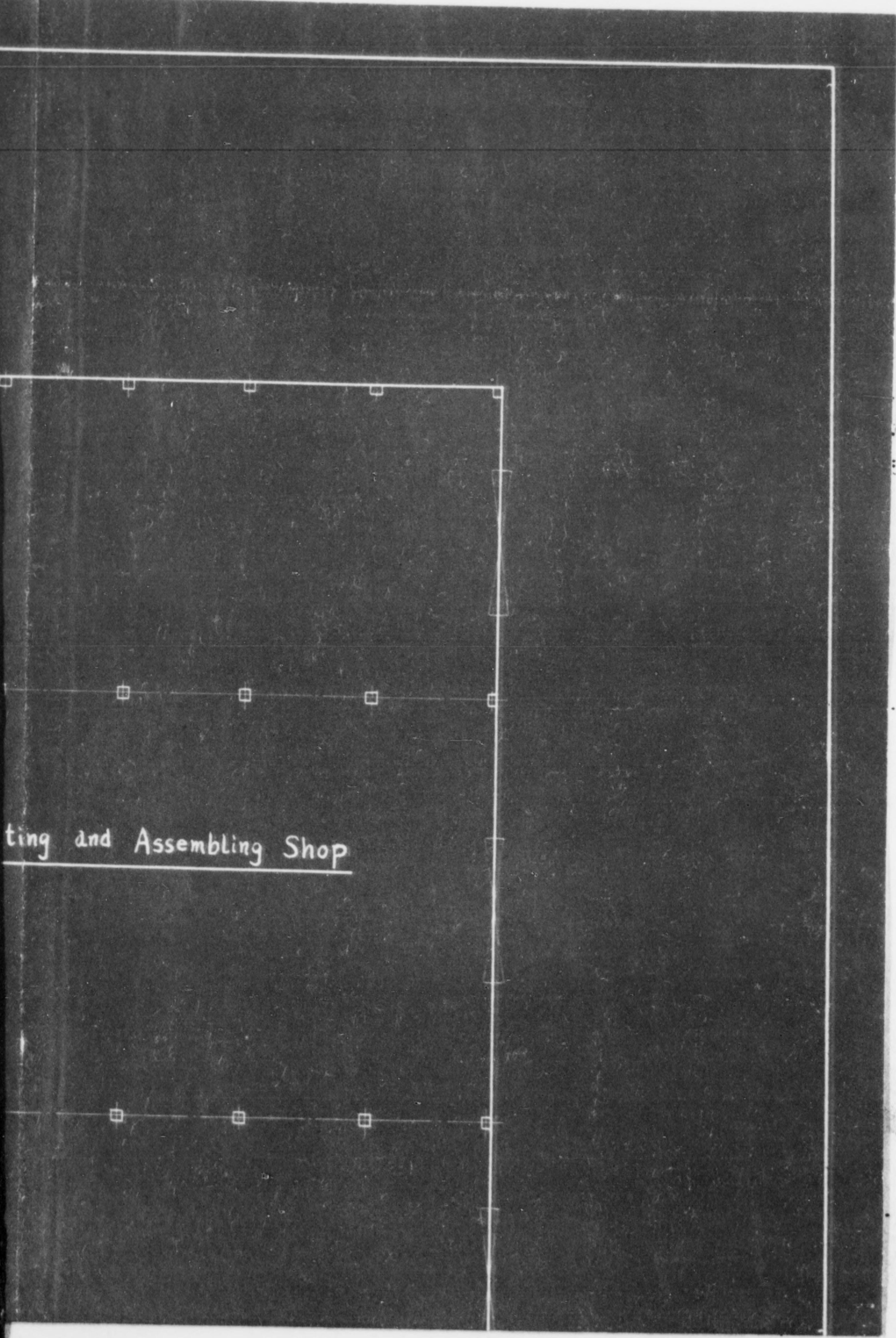
NO. 1 AUXILIARY MACHINERY (Building No. 20)



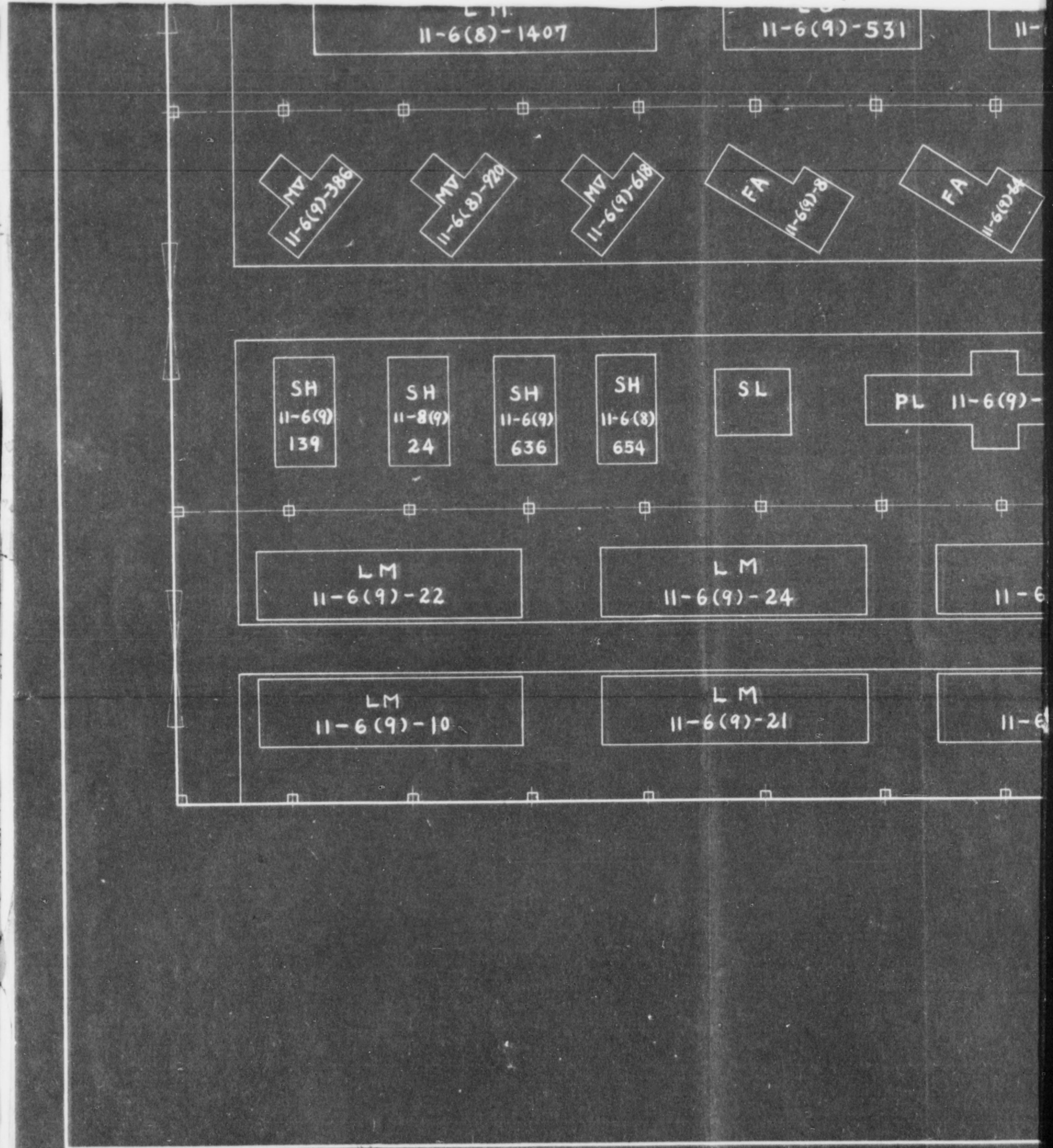
AUXILIARY MACHINERY SHOP (Building No. 20)







ting and Assembling Shop



5(9)-531

11-6(9)-532

11-6(10)-332

GT GT
11-6(9)-755 11-6(9)-666

FA 11-6(9)-444

FA 11-6(9)-69

BR 11-6(9)-1212

BR 11-6(9)-444

PL 11-6(9)-325

PL 11-6(9)-524

LM
11-6(9)-427

LM
11-6(9)-527

LM
11-6(8)-1406

LM
11-6(8)-1411

GT GT
(9)-755 11-6(9)-666

11-6(9)-51 11-6(9)-50 11-6(9)-491 11-6(9)-645

11-6(8)-444

BR 11-6(9)-475

FA 11-6(9)-577

PL 11-6(8)-144

PL 11-6(8)-1450

HG
11-6(8)-1277

LM
11-6(8)-1318

LM
11-6(9)-

LT
11-6(8)-1431

LT
11-6(8)-1336

-6(9)-645

PL 11-6(8)-1443

Fitting and Assembling Shop

H G
11-6(8)-1277

LT
11-6(8)-1431

LT
11-6(8)-1336

NO. 1
AUXILIARY MACHINE

Tomo Shintetsu K
KURE PLAN

Fitting and Assembling Shop

NO. 1 AUXILIARY MACHINERY SHOP	Scale	1/150	Date	29 March 51
	Drawing			
	Tracing		H. Shita	
	check		M. Shibata	
	Sign		M. Shida	
Tomo Shintetsu Kogyo K.K. KURE PLANT	Drawing NO.	TK.	4	

SW

11-8(9)-16

LS
11-6(9)-626

LS
11-6(9)-545

LS
11-6(9)-563

LS
11-6(9)-561

LS
11-6(9)-537

LS
11-6(9)-555

LS
11-6(9)-53

LS
11-6(9)-546

LS
11-6(9)-546

LS
11-6(9)-562

LS
11-6(9)-557

LS
11-6(9)-543

LS
11-6(9)-537

LS
11-6(9)-53

LS
11-6(9)-541

LS
11-6(9)-540

LS
11-6(9)-538

LS
11-6(9)-536

LS
11-6(9)-534

LS
11-6(9)-509

LS
11-6(9)-508

LS
11-6(9)-507

LS
11-6(9)-499

SL

NO. 2 AUXILIARY
(Building)

