DECLASSIFIED E.O. 12065 SECTION 3-402/NNSC NO.

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

Description of contents

(1) Box no. 2921

(2) Folder title/number: (4)
Toa Iron Works Co. - Wakae Factory

(3) Date: Aug. 1946 - Nov. 1946

(4) Subject:

Classification	Type of record
9230, 9621	Z

(5) Item description and comment:
i) Osaka-fu
ii) Includes Contents List

(6) Reproduction: (Yes) No

(7) Film no. Sheet no.

(Compiled by *National Diet Library*)

DECLASSIFIED E.O. 12065 SECTION 3 402, NARS No.

Serial No. of Report

Application for Operation of

and

Report on Industrial Facilities

TO: Osaka Military Government Office

THRU: Keizaibu Komuka Osaka Pr.

Name and Address of Reporting Unit

Toa Iron Works Co. Ltd. Wakae Factory.

No.1023 Wakaekita Wakaemura

Nakagawachigun Osaka Pr.

Sept. 16. 1946

Date

1. Name of Facility Toa Iron Works Wakae Factry

2. Location No.1023 Wakaekita Wakaemura
Nakagawachigun Osaka Pr.

3. Name of President or Manager
Kunroku Andō

4. History

a. Date of construction start May 41 nov. 30 1942

b. Date of operation Wakae Factory Dec. 10. 1942

c. 1935-1941 Production (Annual Value in Yen: Quanties of Principal Products by units or weights.)

Nothing

d. Present capitalization in Yen ¥ 1,750,000.00

e. Changes made in capital structure since 1935

1935 Capitalized ¥ 500,000.00

1939 " ¥ 1,000,000.00

1941 " ¥ 1,750,000.00

f. Name and address of Parent company

DECLASSIFIED E.O. 12065 SECTION 3 (E), NARS DATE

Yokokawa Bridge Works Co. Ltd.

No.7 2 choume Nisisibaura Sibaku Tokyo City

g. Number of shares outstanding

35.000 shares

h. Number of stockholders (Give names of those owuing 10% or more of total) Number of stockholders 19

Yokokawa Bridge Works Co. Ltd.	22%
Toyo Cotton Co. Ltd.	17%
Kasahara Guni Co. Ltd.	14%
Yokokawa Denki Co. Ltd.	14%
Toa Koku Denki Co. Ltd.	13%
Taisuke Yokokawa	6%
Ryozensha & Co. Ltd.	4%
Shozo Yokokawa	3%
Tokisuke Yokokawa	2.5%
Kunroku Ando	1.5%

i. Funds received from Gove rnment (Bounties, subsidies,etc.)

Nothing

j. On Reverse side outline sketch of plant layout with approximate dimentions.

As Per enclosure

5. Description

a. Principal Products

1. Wartime

A. Lathe Finish of shell for sparking-plug for Aircraft (1944-45)

B. Cast Iron for machine tools (1943-45)

c. Econcmizer for Boiler (1943-45)

D. Alminium Casting for Aircraft (1944-45)

DECLASSIFIED E.O. 12065 SECTION 3 402, NARS Date

2. At Present

Wakae Factory

Cast Iron Radiator

3. Planned For 1946-1947

Cast Iron Radiator 30.000 sq'ft(per.month)

b. Capacity

1. Wertime

Rathe finish of cell for sparking plng

25.000 p's/month

Cast iron for machine tools

30.000 kg/month

Economizer for Boiler 5 sets / "

Aluminim Casting 7.500 kg/ "

2. At Present

Cast iron radiator 20.000 sq'ft/month

3. 1946-47 (With Unrestricted accese to materials)

Cast Iron Radiator 45.000 sq'ft/month

c. Nunber of Employees

1. Wartime 361

2. At Present 196

3. 1946-47 (At maximum capacity)

Wakae Factory 250

6. Machinery & Equipment in Plant

Description	Quantity	Condition
Cupola Furnace 2ton's/hour	1 set	
" 3 " / "	1 "	
" 0.5 " / "	1 "	
Aluminium alloy furnace 0.5ton's/hour	1 set	

DECLASSIFIED E.O. 12065 SECTION 3 402, NARS Ltr.

Machine tools		
Turret Lathe	36m/m X 1000m/m	39 sets
Bench Lathe	90 " X 980	3 "
Lathe	8½" X 8'-0"	1 "
"	5" X 4'-0"	1 "
Turret Lathe		1 "
Plane Milling Machine	No.0	5 "
"	No.00	1 "
Cutter Grinder		1 "
Drilling Machine	720m/m	1 "
"	14"	1 "
"		1 "
Radial Drill	3'-0"	1 "
"	4'-6"	1 "
Lathe	7⅜" X 6'-0"	1 "
"	8⅝" X 8'-0"	8 "
"	13½" X 12'-0"	1 "
"	16½ X 16'-0"	1 "
Planing Machine	3'-6" X 13'-4"	1 "
"	30" X 8'-0"	2 "
Boring Machine	No.3	1 "
Shaping Machine	16"	1 "
"	20"	2 "
Virtical Milling Machine	No.2	1 "
Slotting Machine		2 "

7. Present stocks of Raw Materials, Supplies and unfinished Goods

DECLASSIFIED E.O. 12065 SECTION 3 402, NARS Ltr.

Description	Quantity	Condition
Pig Iron	25.000 kg	
Scrap Iron and Steed	23.000 "	
Steel	39.000 "	
Copper	2.200 "	
Zinc	330 "	
Tin	350 "	
Aluminium Block	2.200 "	
" Scrap	1.500 "	
Turret Lathe (unfinished Wooden Bed)	40 sets	

8. Present Stock of Finished Goods

Description	Quantity	Condition
Turret Lathe (Wooden Bed)	7 sets	

9. Present stock of Fuel

Description	Quantity
Coke	10.000 kg

10. Machinery & Equipment needed for maximum Production 1946-47

Description		Quantity	
Cupola Furnace		2ton's/hour	1 set
"		3 " / "	1 "
Cupola Furnace		0.5ton's/hour	1 "
Drilling Machine		720m/m	1 "
"			1 "
"		14"	1 "
Radial Drill		3'-0"	1 "
"		4'-6"	1 "
Lathe		7¾" X 6'-0"	1 "
"		8⅝" X 8'-0"	1 "
"		13½" X 12'-0"	1 "

DECLASSIFIED E.O. 12065 SECTION 3 402, MNDS No. _____

Lathe	16½" X 16'-0"	1 set
Planing Machine	3'-6" X 13'-0"	1 "
"	30" X 8'-0"	2 "
Boring Machine	No.3	1 "
Shaping Machine	16"	1 "
"	20"	2 "
Virtical Milling Machine	No.2	1 "
Slotting Machine	10"	2 "
Radiator Finishing Machine		1 "
Wall Radiator Finishing Machine		1 "
Wall Radiator Tapping Machine		1 "
Nipple Threading Machine		1 "

11. Raw Materials & supplies needed (monthly)

a. For Present Capacity (5b 2above)

Description	Quantity
Pig Iron	120.000 kg
Steel	3.000 "

b. For Maximum (5b3 above)

Pig Iron	270.000 kg
Steel	4.500 "

12. Fuel needed (monthly) (Do not include Present stock)

Description	Quantity
Coke	48.000 kg
Coal	12.000 "

13. Additional Personnel needed (Not locally available)

Special Skills	Number
Founder	20

14. Prices (Give current selling prices in Yen or principal

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSC NO.

Products)

Description	Unit	Price
Radiator	squar foot	¥ 75.00

15. Remarks (Include here any factors hampering production not already mentioned and any recommendations you consider Necessary)

Shortage of pig Iron and Coke

16. Cartification by applicant

I certify that the information contained is true to the best of my knowledge and belief

Signed K. Ando

Title Managing Director

17. Action by Occupation Forces

The factory described in this application has been inspected and the follwing action:

a. Orderd to remain closed Yes___ No___

b. Orderd to cease operations immediately Yes___ No___

c. Authorized to produce at the following rate:

Items to be manufactured	Monthly Quantity

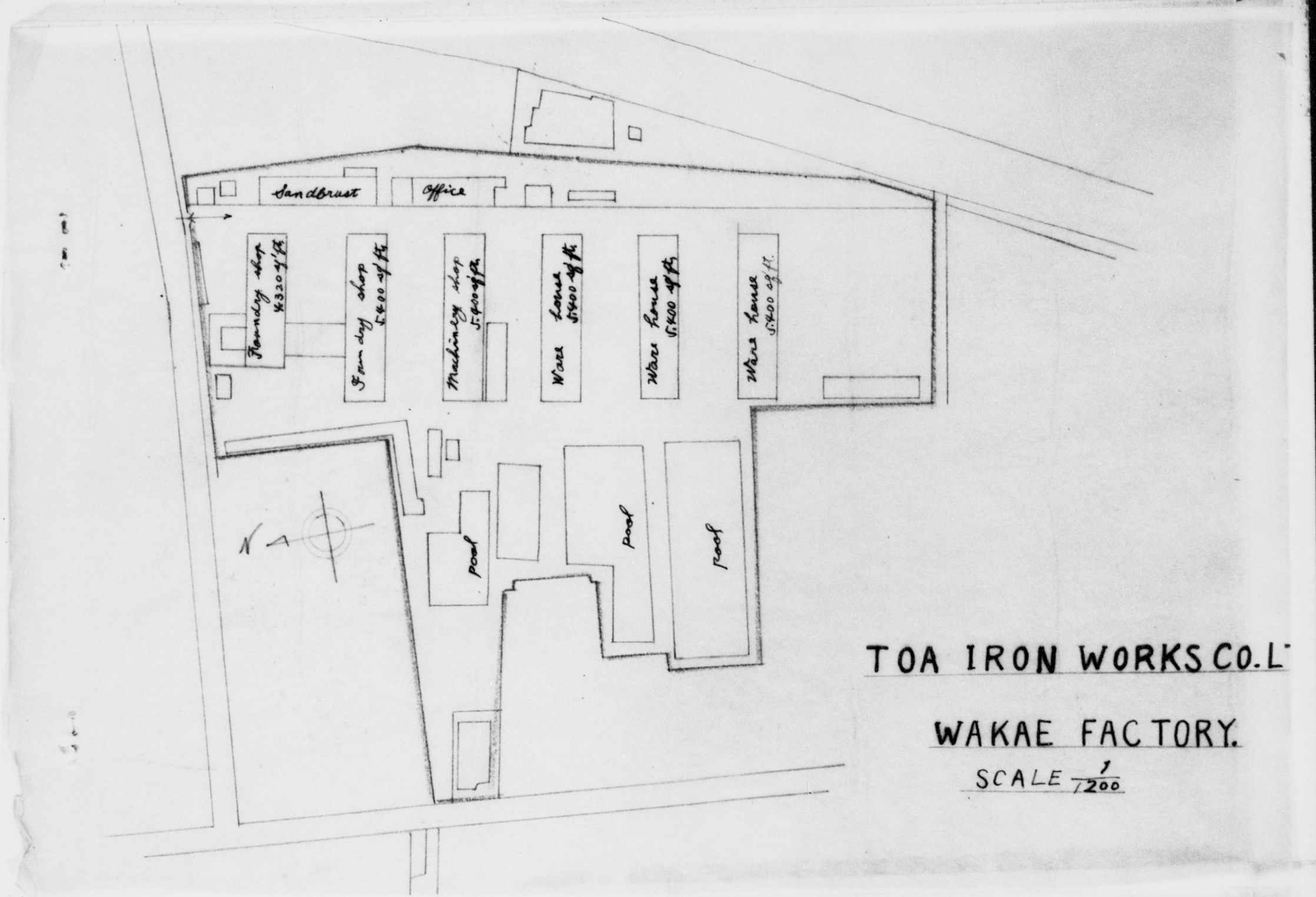
Signature of Authorizing Officer

Designation of Authorizing Unit

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO. _____

INSTRUCTION

1. The purpose of this form is to persent a complete picture of the factory concerned.
2. If exact information is not space for on the face of the form.
3. Use the reverse side of any sheet for data there is not space for on the face of the form.
4. Where capacities or quantities are given state clearly unit of measure being used.



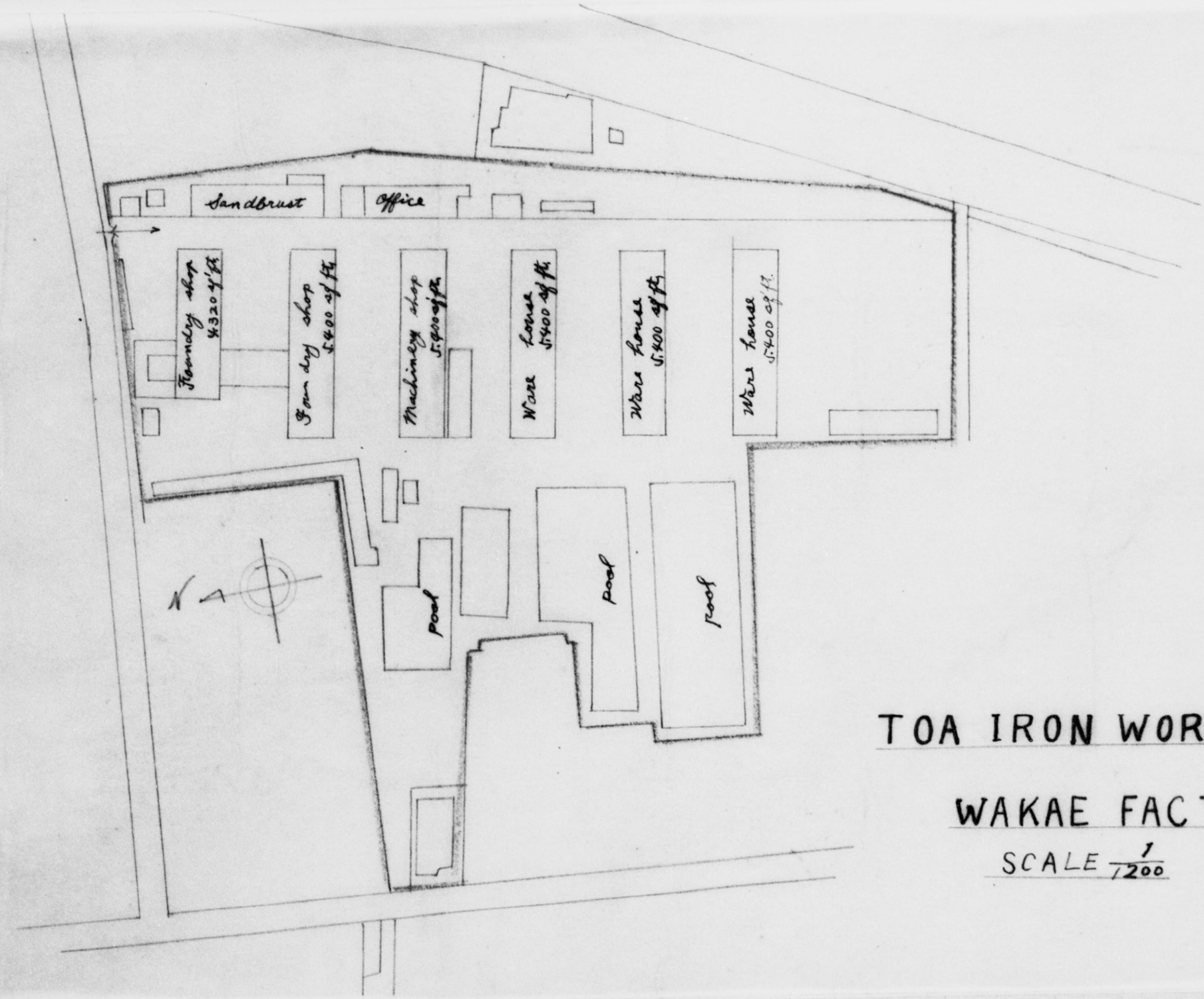
TOA IRON WORKS CO. LTD

WAKAE FACTORY.

SCALE 1/200

DECLASSIFIED E.O. 12065 SECTION 3-402/NRS NO.

DECLASSIFIED E.O. 12065 SECTION 3 402/NNB3



TOA IRON WORKS CO. L

WAKAE FACTORY.

SCALE 1/1200

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS No. [illegible]

HEADQUARTERS
OSAKA MILITARY GOVERNMENT TEAM
APO 660

File 109 - 27½

2 Nov 46
(Date)

SUBJECT: PERMIT FOR OPERATION

TO: Toa Iron Works - Wakae Plant
(Name & Address of Firm)

No. 1023 Wakawkita Wakaemura, Nakagawaghi-gun, Osaka

1. a. In accordance with paragraph 3, b, Directive number three (3) from the Supreme Commander to the Imperial Japanese Government, dated 22 Sept 45, the Toa Iron Works
(Name of Firm)
is permitted to immediately start production of Cast Iron Radiator
(Name of Items)

b. Maximum production currently authorized is 45,000 sq' ft

2. 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 accord with the regulations of the Imperial Japanese Government.

3. Until otherwise directed by this headquarters, a monthly report in English of each item, by name, type and quantity produced by each factory, sub-contractor subsidiary within this factory's control will be delivered to this office by the fifteenth (15th) day of the following month.

4. It is understood that this permit for reconversion is issued subject to any and all directives affecting reconversion, ultimate disposition or otherwise, which have been issued or may hereafter be issued by the Supreme Commander for the Allied Powers or by this Headquarters.

BY ORDER OF COLONEL TRUXES:

Herbert H. Harmon
HERBERT H. HARMON
Major, TC
Resources & Ind. Officer

Info Copy to:
SCAP (Attn: ESS) (1)
SCAP (Attn: G-2) (1)
CG Eighth Army (Attn: Mil Govt) (1)
CG I Corps (Attn: Mil Govt) (1)
Osaka Liaison Office (1)
Governor of Prefecture concerned (1)

Incl #2

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

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Incoming Correspondences

No.	Date	Subject	Remarks
	5 Oct. 46	Application for Excluding Wakae Factory from the appointment of reparation	
636	14 Oct 46	Application for Operation of and Report on Industrial Facilities	
	29 Oct 46	Total productive amount of Wakae Factory	
	4 Nov 46	Application for Operation of and Report on Industrial Facilities	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

OSAKA PREFECTURAL GOVERNMENT

FILE: 636 DATE: 25 Sep 46

TO: OSAKA MILITARY GOVERNMENT TEAM

SUBJECT: CERTIFICATION

NAME: Toa Iron Works Wakae - plant

LOCATION: No 1023 Wakaekita Wakaemura Nakagawachi - Gun.

Production Ma. Capacity(monthly)

a) Cast Iron radiator ------ 45,000 sq'ft
(Use for occupation forces)

Already I had hand application (File 545 of Osaka Pref. Govt)

(Nothing follows)

As the result of inspection about this plant, we hereby recognize that the producing items and it's monthly capacity abovementioned are necessary for present economic condition of this country.

Signed: M. Itoh

M. Itoh,
Industrial Section,
Financial Department,
Osaka Prefectural Govt.

O.K.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

Serial No. of Report

Application for Operation of

and

Report on Industrial Facilities

TO: Osaka Military Government Office

THRU: Keizaibu Komuka Osaka Pr.

Name and Address of Reporting Unit

Toa Iron Works Co. Ltd. Wakae Factory.

No.1023 Wakaekita Wakaemura

Nakagawachigun Osaka Pr.

Sept. 16. 1946

Date

1. Name of Facility Toa Iron Works Wakae Factry
2. Location No.1023 Wakaekita Wakaemura
   Nakagawachigun Osaka Pr.
3. Name of President or Manager
   Kunroku Andō
4. History
   a. Date of construction nov. 30 1942
   b. Date of operation Wakae Factory Dec. 10. 1942
   c. 1935-1941 Production (Annual Value in Yen: Quanties of Principal Products by units or weights.)
      Nothing
   d. Present capitalization in Yen ¥ 1,750,000.00
   e. Changes made in capital structure since 1935
      1935 Capitalized ¥ 500,000.00
      1939 " ¥ 1,000,000.00
      1941 " ¥ 1,750,000.00
   f. Name and address of Parent company

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

Yokokawa Bridge Works Co. Ltd.

No.7 2 choume Nisisibaura Sibaku Tokyo City

g. Number of shares outstanding

35.000 shares

h. Number of stockholders (Give names of those owning 10% or more of total) Number of stockholders 19

Yokokawa Bridge Works Co. Ltd.	22%
Toyo Cotton Co. Ltd.	17%
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Shozo Yokokawa	3%
Tokisuke Yokokawa	2.5%
Kunroku Ando	1.5%

i. Funds received from Gove rnment (Bounties, subsidies,etc.)

Nothing

j. On Reverse side outline sketch of plant layout with approximate dimentions.

As Per enclosure

5. Description

a. Principal Products

1. Wartime

A. Lathe Finish of shell for sparking-plug	(1944-45)
B. Cast Iron for machine tools	(1943-45)
c. Econcmizer for Boiler	(1943-45)
D. Alminium Casting	(1944-45)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO. [illegible]

2. At Present

Wakae Factory

Cast Iron Radiator

3. Planned For 1946-1947

Cast Iron Radiator 30.000 sq'ft(per.month)

b. Capacity

1. Wartime

Rathe finish of cell for sparking plng

25.000 p's/month

Cast iron for machine tools

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2. At Present

Cast iron radiator 20.000 sq'ft/month

3. 1946-47 (With Unrestricted accese to materials)

Cast Iron Radiator 45.000 sq'ft/month

c. Nunber of Employees

1. Wartime 361

2. At Present 196

3. 1946-47 (At maximum capacity)

Wakae Factory 250

6. Machinery & Equipment in Plant

Description		Quantity	Condition
Cupola Furnace	2ton's/hour	1 set	
"	3 " / "	1 "	
"	0.5 " / "	1 "	
Aluminium alloy furnace	0.5ton's/hour	1 set	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

Machine tools			
Turret Lathe		36m/m X 1000m/m	39 sets
Bench Lathe		90 " X 980	3 "
Lathe		8¾" X 8'-0"	1 "
"		5" X 4'-0"	1 "
Turret Lathe			1 "
Plane Milling Machine		No.0	5 "
"		No.00	1 "
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Drilling Machine		720m/m	1 "
"		14"	1 "
"			1 "
Radial Drill		3'-0"	1 "
"		4'-6"	1 "
Lathe		7¾" X 6'-0"	1 "
"		8½" X 8'-0"	8 "
"		13½" X 12'-0"	1 "
"		16½ X 16'-0"	1 "
Planing Machine		3'-6" X 13'-4"	1 "
"		30" X 8'-0"	2 "
Boring Machine		No.3	1 "
Shaping Machine		16"	1 "
"		20"	2 "
Virtical Milling Machine		No.2	1 "
Slotting Machine			2 "

7. Present stocks of Raw Materials, Supplies and unfinished Goods

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

Description	Quantity	Condition
Pig Iron	25.000 kg	
Scrap Iron and Steed	23.000 "	
Steel	39.000 "	
Copper	2.200 "	
Zinc	330 "	
Tin	550 "	
Aluminium Block	2.200 "	
" Scrap	1.500 "	
Turret Lathe (unfinished Wooden Bed)	40 sets	

8. Present Stock of Finished Goods

Description	Quantity	Condition
Turret Lathe (Wooden Bed)	7 sets	

9. Present stock of Fuel

Description	Quantity
Coke	10.000 kg

10. Machinery & Equipment needed for maximum Production 1946-47

Description	Quantity	
Cupola Furnace	2ton's/hour	1 set
"	3 " / "	1 "
Cupola Furnace	0.5ton's/hour	1 "
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Radial Drill	3'-0"	1 "
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Lathe	7¾" x 6'-0"	1 "
"	8½" x 8'-0"	1 "
"	13½" x 12'-0"	1 "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

Lathe	16½" X 16'-0"	1 set
Planing Machine	3'-6" X 13'-0"	1 "
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Boring Machine	No.3	1 "
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Slotting Machine	10"	2 "
Radiator Finishing Machine		1 "
Wall Radiator Finishing Machine		1 "
Wall Radiator Tapping Machine		1 "
Nipple Threading Machine		1 "

11. Raw Materials & supplies needed (monthly)

a. For Present Capacity (5b 2above)

Description	Quantity
Pig Iron	120.000 kg
Steel	3.000 "

b. For Maximum (5b3 above)

Pig Iron	270.000 kg
Steel	4.500 "

12. Fuel needed (monthly) (Do not include Present stock)

Description	Quantity
Coke	48.000 kg
Coal	12.000 "

13. Additional Personnel needed (Not locally available)

Special Skills	Number
Founder	20

14. Prices (Give current selling prices in Yen or principal

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

Products)

Description	Unit	Price
Radiator	squar foot	¥ 75.00

15. Remarks (Include here any factors hampering production not already mentioned and any recommendations you consider Necessary)

Shortage of pig Iron and Coke

16. Cartification by applicant

I certify that the information contained is true to tne best of my knowledge and belief

Signed K. Ando

Title Managing Director

17. Action by Occupation Forces

The factory described in tnis application has been inspected and the follwing action:

a. Orderd to remain closed Yes___ No___

b. Orderd to cease operations immediately Yes___ No___

c. Authorized to produce at the following rate:

Items to be manufactured	Monthly Quantity

Signature of Authorizing Officer

Designation of Authorizing Unit

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

INSTRUCTION

1. The purpose of this form is to persent a complete picture of the factory concerned.
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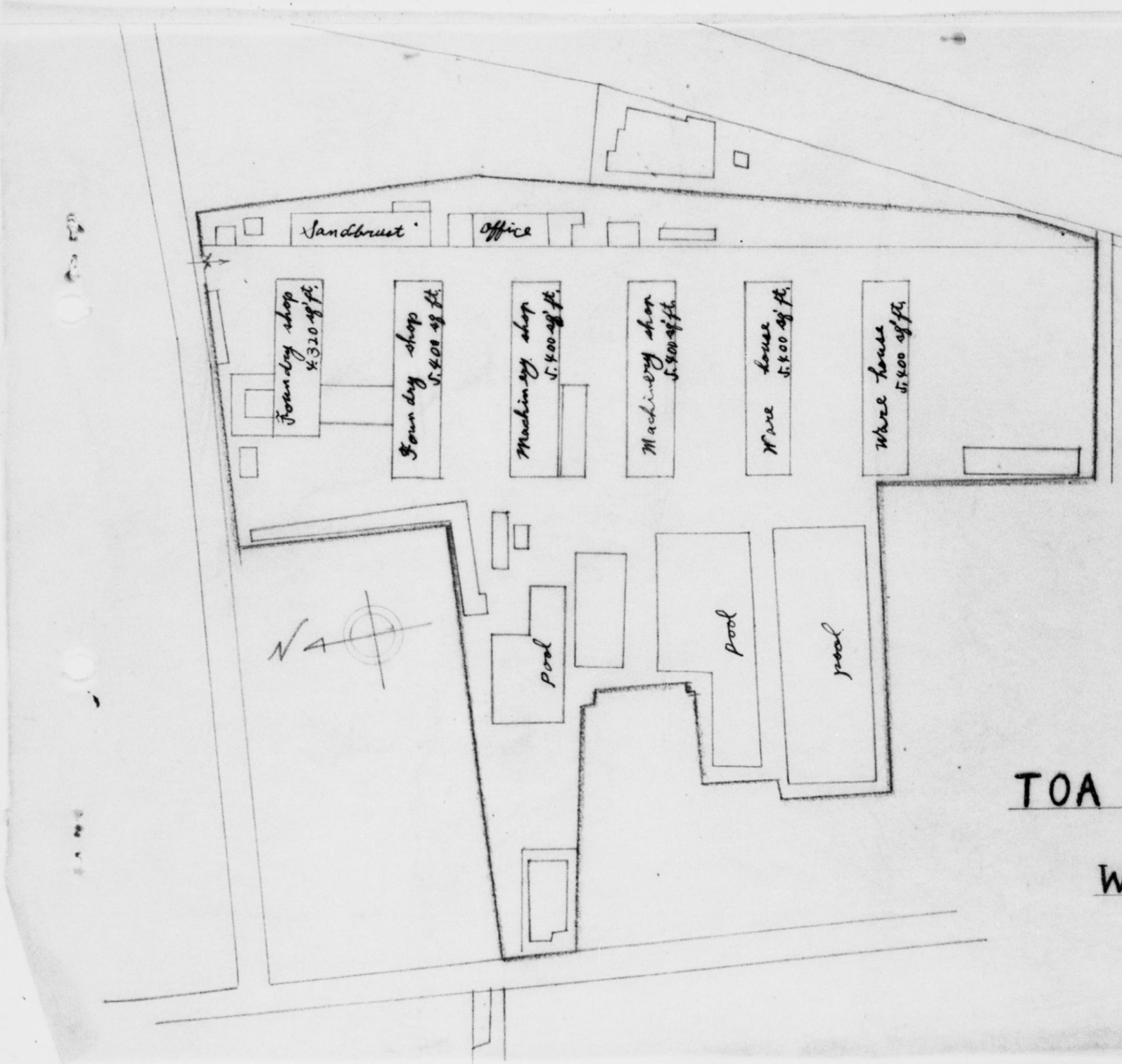
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO.

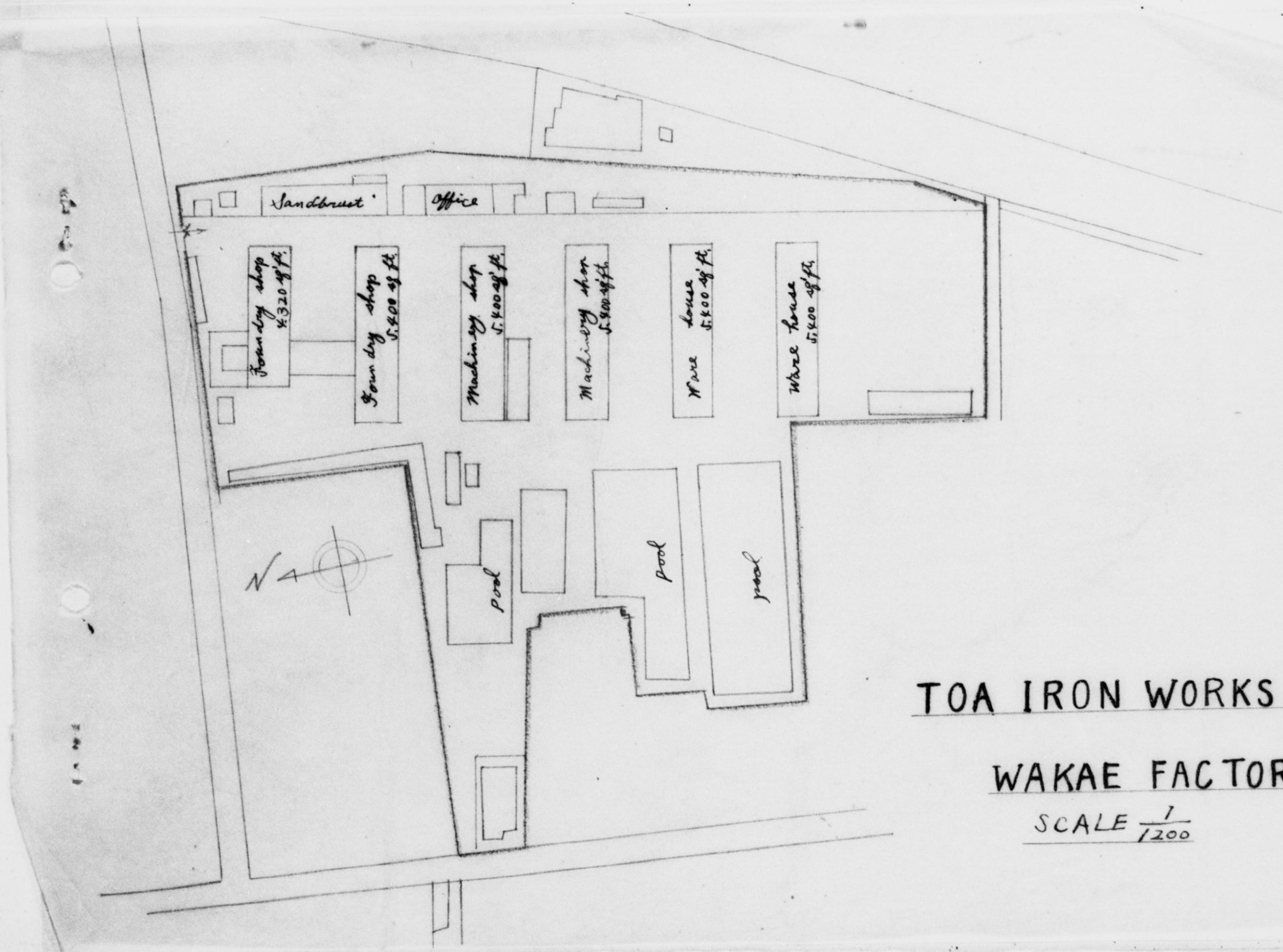


TOA IRON WORKS CO. LTD

WAKAE FACTORY.

SCALE 1/1200

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



TOA IRON WORKS CO. LTD

WAKAE FACTORY.

SCALE 1/1200

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

Total productive Amount of Wakae Factory (1943-1945)

Toa Iron Works Ltd.

Unit ¥

year	Economizer for Boiler	Cast iron for Machines	Aluminium Casting	parts finished of sparking plug	Steam kettle and Roll.	Coining press	hydraulic press	Total yen
1942	0.	0						0.
1943	677.460.	129.800.						807.260.
1944	401.617.	187.164.	182.664.	97.530.	70.635.			939.610.
1945	158.695.	2.430.	355.814.	350.300		116.281.	176.700	1.160.220
Total yen	1.237.772.	319.394.	538.478.	447.830.	70.635.	116.281.	176.700	2.907.090
per cent	42.6 %	11.0 %	18.5 %	15.4 %	2.4%	4.0%	6.1 %	100 %

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

賠償工場御認定免除願

本社　大阪市此花區西九條濱通一〇番地

假本社　大阪府中河內郡若江村字若江北一〇二三

株式會社　東亞鐵工所

專務取締役　安藤薫六

大阪軍政部御中

若江工場賠償工場御認定免除願ノ件

右工場ハ戰時中戰爭ヲ目的トシテ建設セルモノニ無之且ツ專ラ終戰以來貴軍ノ要請ニ依ル煖房用放熱器ノ生產ノ爲全面的ニ工場及其施設ヲ使用シツツアルヲ以テ賠償工場トシテ御認定ノ件御免除相成度此段理由ヲ具シ申請候也

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

理　由

㈠若江工場建設ノ沿革

當若江工場ハ戰爭中戰爭ヲ目的トシテ建設セシモノニ非ズシテ本社工場タル此花工場ノ鑄物部門ヲ移行セルモノナリ

此花工場ハ別紙附近見取圖ニ示ス通リ約二五〇米ニシテ安治川本流ニ通ズル木場川、逆川ノ兩河川ニ狹マレタル小三角地帶ニ所在ス　昭和九年九月二十一日（二一、SHP、一九三四）關西地方ニ襲來セル稀有ノ風水害ニ依リ多大ノ損害ヲ蒙リ鑄物工場ノ如キハ浸水ノ爲鑄物砂ノ濕沾汚損ニ依リ約一ケ月ニ亘リ作業不可能ニ陷リタリ

當局ノ調査發表ニ依レバ大阪市西部地區ハ爾後連年壹年間ニ約四吋（一〇〇粍）ノ土地沈下ヲ續ケ居レリ、爲ニ全地區ニ所在スル當此花工場ハ幾年數度ノ出水ニ依リ甚大ナル被害ヲ蒙リ作業繼續困難ナル情勢ニ立到レリ就中銑鑄物作業ノ如キハ急速ナル轉出ノ必要ニ迫レタルヲ以テ工場敷地ヲ物色中ノ處偶々當局ノ調査發表ニ依レバ大阪市近郊ニ於テ大和川以北寢屋川以南ノ地區ハ沈下ノ證跡ナシトノ理由ニ依リ立地建設セシモノニシテ戰爭目的ヲ以テ建設セシモノニ非ザルナリ

㈡當工場建設當時ノ生産狀況

別紙寫ノ通リ昭和十五年十一月（NOV一九四〇）大阪府知事中井清殿宛建築許可申請書

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

提出當時ノ生産狀況ハ左ノ如キモノニシテ戰爭目的トシテ工場建設シ兵器等一切生産セシモノニ非ザル事次表ノ如シ

昭和十五年度（一九四〇）生産實績表左之如シ

工作機械	一、二三〇、六三二・〇〇	六九%	
節炭機	三二六、〇八五・〇〇	一九%	
輸送機	二一一、三二三・〇〇	一二%	
計	一、七六七、九四〇・〇〇		

昭和十六年度（一九四一）自一月至九月 實績

工作機械	六一四、四九六・〇〇	五五%	
節炭機	三〇八、〇一〇・〇〇	二八%	
輸送機	一八四、一五三・〇〇	一七%	

前記ノ生産品種ノ内工作機械並輸送機ハ機械加工ヲ除キ鋳物部ヲ生産セシモノナリ

節炭機ハ英國グリーン・アンド・サン會社ニ於テ多年東洋ニ於テ販路ヲ確保セシモ日支事變以來輸入困難ニナリタルヲ以テ特ニ同社ノ依囑ニ依リ一裝置トシテ生産ヲナシタルモノナリ

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

(三)爾後ノ生産品

爾後引續キ前記生産ノ續ケ來レルモ輸送機ハ戰爭中ハ受註ナク生産途絶セリ

昭和十九年下期（SEP 一九四五）ニ至リ航空機用點火栓部品加工ト生産セシニ止マレリ其ノ總受註生産額左之如シ

四八二、一〇三圓七〇

(四)現在ノ生産狀況

終戰後第一軍ノ要請ニ依リ昭和二十年（一九四五）度ニ於テハ戰時中當局ノ金屬回收ニ依ル煖房用放熱器ノ再生ヲ命ゼラレ選別、解体、試驗、組立ヲ爲シ其量約一〇、〇〇〇平方呎ニ上リ昨冬ノ煖房ニ寄與セルト共ニ一方貴軍使用ノ內外棉ビル ノ煖房復舊模様替工事ヲ擔當施行セリ

他方當社ノ主生産品タル煖房用放熱器ハ昭和十三年製造禁止以來休止ヲ續ケ來レルモ之ガ再建ニ努力シ大阪府當時者ノ熱心ナル援助ト激勵ニ依リ貴軍ノPD ニ基ク煖房用放熱器ノ再建生産ヲ行ヒ順調ナル生産ヲ續ケ居レリ其他金屬回收ニ依ル放熱器ノ選別、解体、檢査組立等約二五、〇〇〇平方呎ヲ完遂セリ

加之第八軍ノ要請タルLD 一九號ニ依ル要求量タル約一、二〇〇、〇〇〇平方呎ニ對シ第一軍ノ一部擔當モシガ爲增產計畫樹立中ニシ

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

千昭和二十年度ニ於ケル生産擴充計畫實施中央

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

寫

昭和十五年十一月　日

住所　大阪市此花區西九條濱通拾番地
株式會社　東亞鐵工所
建築主　專務取轉役　安藤薰六
電話　番

大阪府知事　半井清殿

建築許可申請書

許可申請事項

建物ノ位置	大阪府中河內郡若江村大字若江北一、〇二三ノ一 南八〇六ノ一番地　外十二筆
建物ノ用途	鑄物工場
新築（又ハ用途變更）スル事由	在來工場浸水ニ依ル作業不可能ナル爲一部工場移行ノ分
建物表	木造建物建築統制規則第一條第一項ニ依リ許可申請

專用建物、住宅兼用建物、長屋　以下略

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

總棟數	六棟	總床面積	五五四、三三 平方米坪
各棟別	床面積		平方米坪

用途	階數	一階	二階	三階	計
鑄物工場	一	二八二、二四			二八二、二四
仕上場	一	一〇〇、〇〇			一〇〇、〇〇
倉庫	一	一〇〇、〇〇			一〇〇、〇〇
取場	一	一八、四二			一八、四二
サンドラスト場	一	四八、六七			四八、六七
便所	一	五、〇〇			五、〇〇

他ノ法令ノ適用ノ有無

臨時資金調整法、鐵鋼工作物築造許可規則、鋼製品製造制限ニ關スル件

米松販賣取締規則

備考

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

FILE 636

Serial No. of Report

Application for Operation of

and

Report on Industrial Facilities

TO: Osaka Military Government Office

THRU: Keizaibu Kōmuka Osaka Pr.

Name and Address of Reporting Unit

Toa Iron Works Co. Ltd. Wakae Factory.

No.1023 Wakaekita Wakaemura

Nakagawachigun Osaka Pr.

Sap. 16. 1946

Date

1. Name of Facility Toa Iron Works Wakae Factry
2. Location No.1023 Wakaekita Wakaemura
   Nakagawachigun Osaka Pr.
3. Name of President or Manager
   Kunroku Andō
4. History
   a. Date of construction nov. 30 1942
   b. Date of operation Wakae Factory Dec. 10. 1942
   c. 1935-1941 Production (Annual Value in Yen: Quanties of Principal Products by units or weights.)
      Nothing
   d. Present capitalization in Yen ¥ 1,750.000.00
   e. Changes made in capital structure since 1935

1935	Capitalized	¥ 500,000.00
1939	"	¥ 1,000,000.00
1941	"	¥ 1,750,000.00

   f. Name and address of Parent company

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

Yokokawa Bridge Works Co. Ltd.

No.7 2 choume Nisisibaura Sibaku Tokyo City

g. Number of shares outstanding

35.000 shares

h. Number of stockholders (Give names of those owuing 10% or more of total) Number of stockholders 19

Yokokawa Bridge Works Co. Ltd.	22%
Toyo Cotton Co. Ltd.	17%
Kasahara Gumi Co. Ltd.	14%
Yokokawa Denki Co. Ltd.	14%
Toa Koku Denki Co. Ltd.	13%
Taisuke Yokokawa	6%
Ryozensha & Co. Ltd.	4%
Shozo Yokokawa	3%
Tokisuke Yokokawa	2.5%
Kunroku Ando	1.5%

i. Funds received from Gove rnment (Bounties, subsidies, etc.)

Nothing

j. On reverse side outline sketch of plant layout with approximate dimentions.

As Per enclosure

5. Description

a. Principal Products

1. Wartime

A. Lathe Finish of shell for sparking-plug	(1944-45)
B. Cast Iron for machine tools	(1943-45)
C. Economizer for Boiler	(1943-45)
D. Alminium Casting	(1944-45)

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

2. At Present

Wakae Factory

Cast Iron Radiator

3. Planned for 1946-1947

Cast Iron Radiator 30.000 sq'ft(per.month)

b. Capacity

1. Wartime

Rathe finish of cell for sparking plng

25.000 p's/month

Cast iron for machine tools

30.000 kg/month

Economizer for Boiler 5 sets / "

Aluminim Casting 7.500 kg/ "

2. At Present

Cast iron radiator 20.000 sq'ft/month

3. 1946-47 (With Unrestricted accese to materials)

Cast Iron Radiator 45.000 sq'ft/month

c. Nunber of Employees

1. Wartime 361

2. At Present 196

3. 1946-47 (At maximum capacity)

Wakae Factory 250

6. Machinery & Equipment in Plant

Desoription	Quantity	Condition
Cupola Furnace	2ton's/hour	1 set
"	3 " / "	1 "
"	0.5 " / "	1 "
Aluminium elloy furnace	0.5ton's/hour	1 set

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Machine tools		
Turret Lathe	36m/m X 1000m/m	39 sets
Bench" Lathe	90 " X 980	3 "
Lathe	8⅛" X 8'-0"	1 "
"	5" X 4'-0"	1 "
Turret Lathe		1 "
Plane Milling Machine	No.0	5 "
"	No.00	1 "
Cutter Grinder		1 "
Drilling Machine	720m/m	1 "
"	14"	1 "
"		1 "
Radial Drill	3'-0"	1 "
"	4'-6"	1 "
Lathe	7⅜" X 6'-0"	1 "
"	8⅛" X 8'-0"	8 "
"	13½" X 12'-0"	1 "
"	16½" X 16'-0"	1 "
Planing Machine	3'-6" X 13'-4"	1 "
"	30" X 8'-0"	2 "
Boring Machine	No.3	1 "
Shaping Machine	16"	1 "
"	20"	2 "
Virtical Milling Machine	No.2	1 "
Slotting Machine		2 "

7. Present stocks of Raw Materials, Supplies and unfinished Goods

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

Description	Quantity	Condition
Pig Iron	25.000 kg	
Scrap Iron and Steed	23.000 "	
Steel	39.000 "	
Copper	2.200 "	
zinc	330 "	
Tin	550 "	
Aluminium Block	2.200 "	
" Scrap	1.500 "	
Turret Lathe (unfinished Wooden Bed)	40 sets	

8. Present Stock of Finished Goods

Description	Quantity	Condition
Turret Lathe (Wooden bed)	7 sets	

9. Present stock of Fuel

Description	Quantity
Coke	10.000 kg

10. Machinery & Equipment needed for maximum Production 1946-47

Description		Quantity
Cupola Furnace	2ton's/hour	1 set
"	3 " / "	1 "
Cupola Furnace	0.5ton's/hour	1 "
Drilling Machine	720m/m	1 "
"		1 "
"	14"	1 "
Radial Drill	3'-0"	1 "
"	4'-6"	1 "
Lathe	7¾" x 6'-0"	1 "
"	8⅝" x 8'-0"	1 "
"	13½" x 12'-0"	1 "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

Lathe	16½" X 16'-0"	1 set
Planing Machine	3'-6" X 13'-0"	1 "
"	30" X 8'-0"	2 "
Boring Machine	No.3	1 "
Shaping Machine	16"	1 "
"	20"	2 "
Virtical Milling Machine	No.2	1 "
Slotting Machine	10"	2 "
Radiator Finishing Machine		1 "
Wall Radiator Finishing Machine		1 "
Wall Radiator Tapping Machine		1 "
Nipple Threading Machine		1 "

11. Raw Materials & supplies needed (monthly)

a. For Present Capacity (5b 2above)

Description	Quantity
Pig Iron	120.000 kg
Steel	3.000 "

b. For Maximum (5b3 above)

Pig Iron	270.000 kg
Steel	4.500 "

12. Fuel needed (monthly) (Do not include Present stock)

Description	Quantity
Coke	48.000 kg
Coal	12.000 "

13. Additional Personnel needed (Not locally available)

Special Skills	Number
Founder	20

14. Prices (Give current selling prices in Yen or principal

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

Products)

Description	Unit	Price
Radiator	squar foot	¥ 75.00

15. Remarks (Include here any factors hampering production not already mentioned and any recommendations you consider Necessary)

Shortage of pig Iron and Coke

16. Certification by applicant

I certify that the information contained is true to the best of my knowledge and belief

Signed K. Ando

Title Managing Director

17. Action by Occupation Forces

The factory described in this application has been inspected and the follwing action:

a. Orderd to remain closed Yes___ No___

b. Orderd to cease operetions immediately Yes___ No___

c. Authorized to produce at the folliwing rate:

Items to be manufactured	Monthly Quantity

Signature of Authorizing Officer

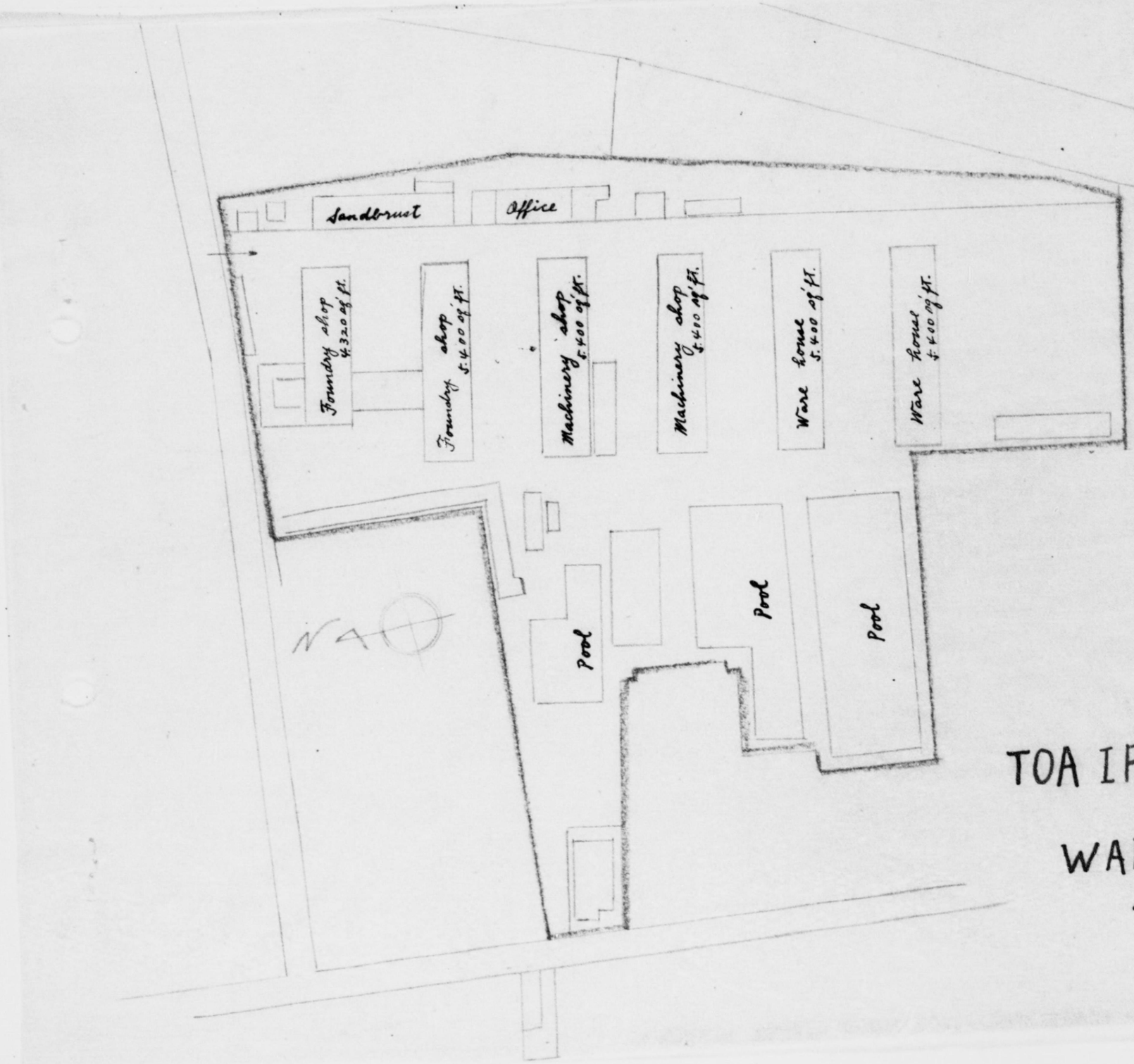
Designation of Authorizing Unit

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

INSTRUCTION

1. The purpose of this form is to persent a complete picture of the factory concerned.
2. If exact information is not spece for on the face of the form.
3. Use the reverse side of any sheet for data there is not space for on the face of the form.
4. Where capacities or quentities are given state clearly unit of measure baing used.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNB NO.

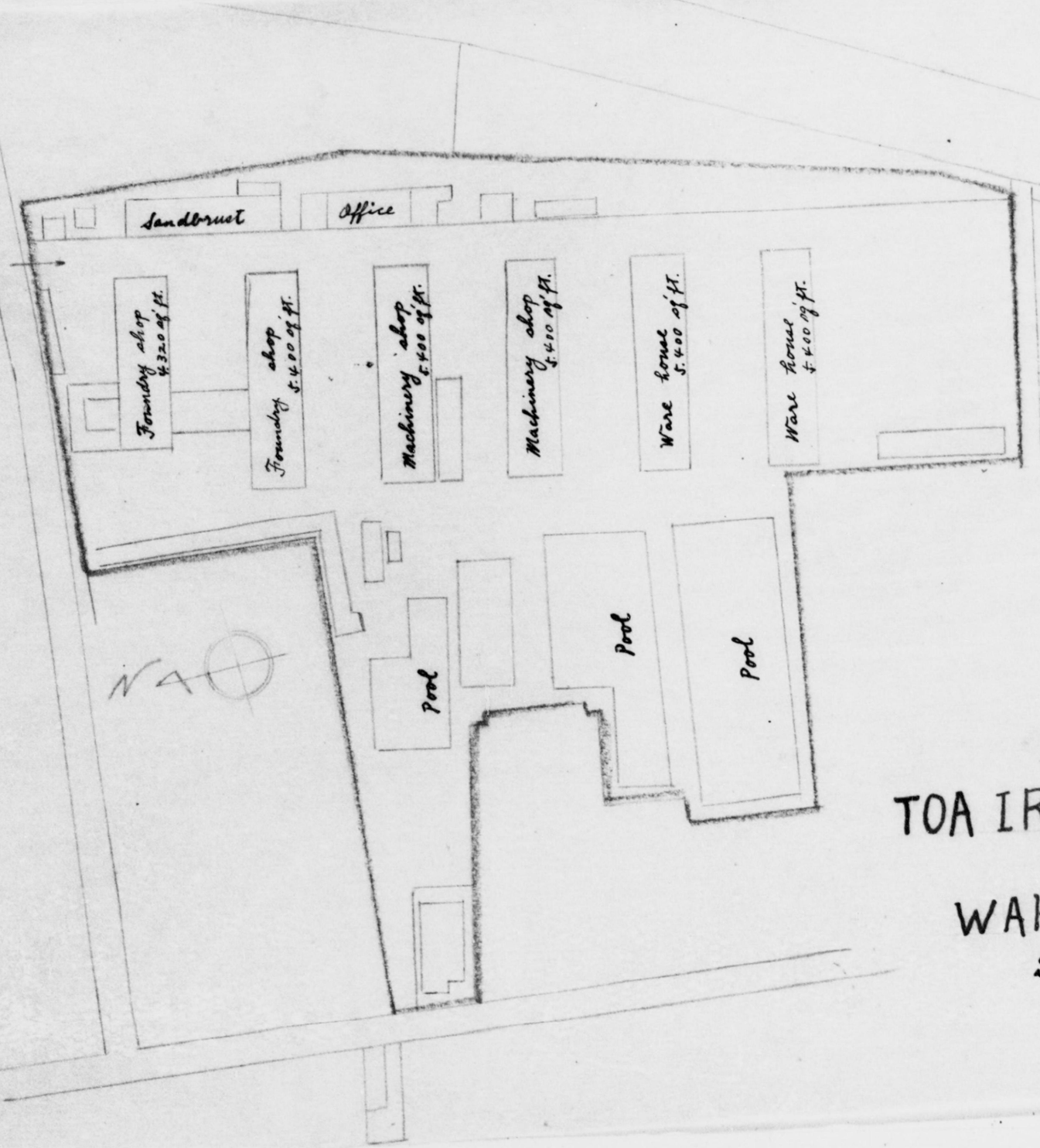


TOA IRON WORKS CO. LTD.,

WAKAE FACTORY.

SCALE $\frac{1}{1200}$

DECLASSIFIED E.O. 12065 SECTION 3 402/NND



TOA IRON WORKS CO. LTD.,

WAKAE FACTORY.

SCALE 1/1200

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS No.

FILE

Application for Excluding Wakae Factory
from the Appointment of Reparation.

Oct. 2. 1946

To:— Osaka Military Government Teams

Thru:— Kōmuka, Keizaibu, Osaka Pref.

Name:— Toa Iron Works LTD. Wakae Factory

Location:— 1023, Wakaekita, Wakaemura,
Nakakawachigun, Osaka Pref.

Name of manager:— Kunroku Andō.

Above factory was not built for the use of munition factory during the war, and now are engaging to manufacture the radiator for heating apparatus under the request of U. S. Army. We shall be so grateful if you could exclude this factory.

1. The History of Wakae Factory

This factory was not reasonably built for the sake of manufacturing weapons, but department of casting in Konohana Factory which was formerly a main factory, were moved to the above spot.

As the map in the appendix sheet of paper, shows, Konohana Factory is located 250 meters way back from the main stream of Azikawa, and this factory was situated on the three-cornered region surrounded by Kibagawa and Sakasagawa.

On Sep. 21. 1934, our factory had unusual disaster of flood and invited great amount of loss, and especially the factory did not able work for a month.

According to investigation for the western district of Osaka had been going down about 4 inches every year.

This was main reason why this Konohana Factory had the frequently flood and had to move up to the present spot.

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSC NO.

Under such circumstances, it was already impossible to continue the work, and the place any more, and above all, the casting work was had urgent necessity to move up the factory to some other spot.

This is a only reason why we moved up the factory to the present spot which was not going down, and was not under any intention to co-operate with war aim.

2. Products of the factory when it was built.

Our products when Wakae Factory was built, was as follows, and the application for built of Wakae Factory was presented in Nov. 1940. to Kiyoshi Nakarai, Governer of Osaka Pref, as the accompanying sheet shows.

This clearly indicates that we were not engaging to manufacture of any kind of weapons.

Principal Products of 1940

Machine tools	¥ 1,230.632
Economizer for boiler	326.085
Conveying machines	211.323
Total	1,767.940

Principal Products of 1941 (from Janu. Till Sept.)

Machine tools	¥ 614.496
Economizer for boiler	308.010
Conveying machine	184.253
Total	1,106.759

We manufactured only a part of casting about machine tools and conveying machines, and mainly the casting of economizer for boiler. Economizer for boiler were manufactured by " Green and Son " Company in England, but it was difficult to import since the China Accidents was happen, then we manufactured by request of that company.

3. Thereafter Products.

We manufactured mainly casting of economizer and machines, except conveying machine.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNBS NO.

As the accompanying sheet shows, the lathe cutting of spark plug's shell, was very little, compared to other products.

4. Products at Present.

After war, we produced over 45,000 sq. feet of repaired radiators for heating apparatus, which was stocked in metal collection yards, and that radiators were used for U. S. Army.

Production of heating radiator, which was formerly main production of our Company, is reconstructed after war, and at present is satisfying the Procurement demand of U. S. Army, that is 100,000 sq. feet of radiator, as the accompanying sheet shows.

In future, Wakee Factory will be used for peaceful products, that is heating radiator, economizer for boiler, Coining press, and several machines.

The end.

Appended papers No 1

Total productive Amount of Wakai Factory (1943 — 1945) Toa Iron Works Ltd

unit ¥

year	Economigen for Boiler	Cast iron for Machine	Aluminium Casting	parts finished of sparking plug	Steam kettle and Roll	coining press	hydraulic press	Total yen
1942	0	0						0
1943	677.460	129.800						807.260
1944	401.617	187.164	182.664	97.530	70.635			939.610
1945	158.695	2.430	355.814	350.300		116.281	176.700	1160.220
Total yen	1.237.772	319.394	538.478	447.830	70.635	116.281	176.700	2.907.090
per cent	42.6%	11.0%	18.5%	15.4%	2.4%	4.0%	6.1%	100%

DECLASSIFIED E.O. 12065 SECTION 3 402, NND

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSC NO.

Application for Permission of Building.

Nov. 1940.

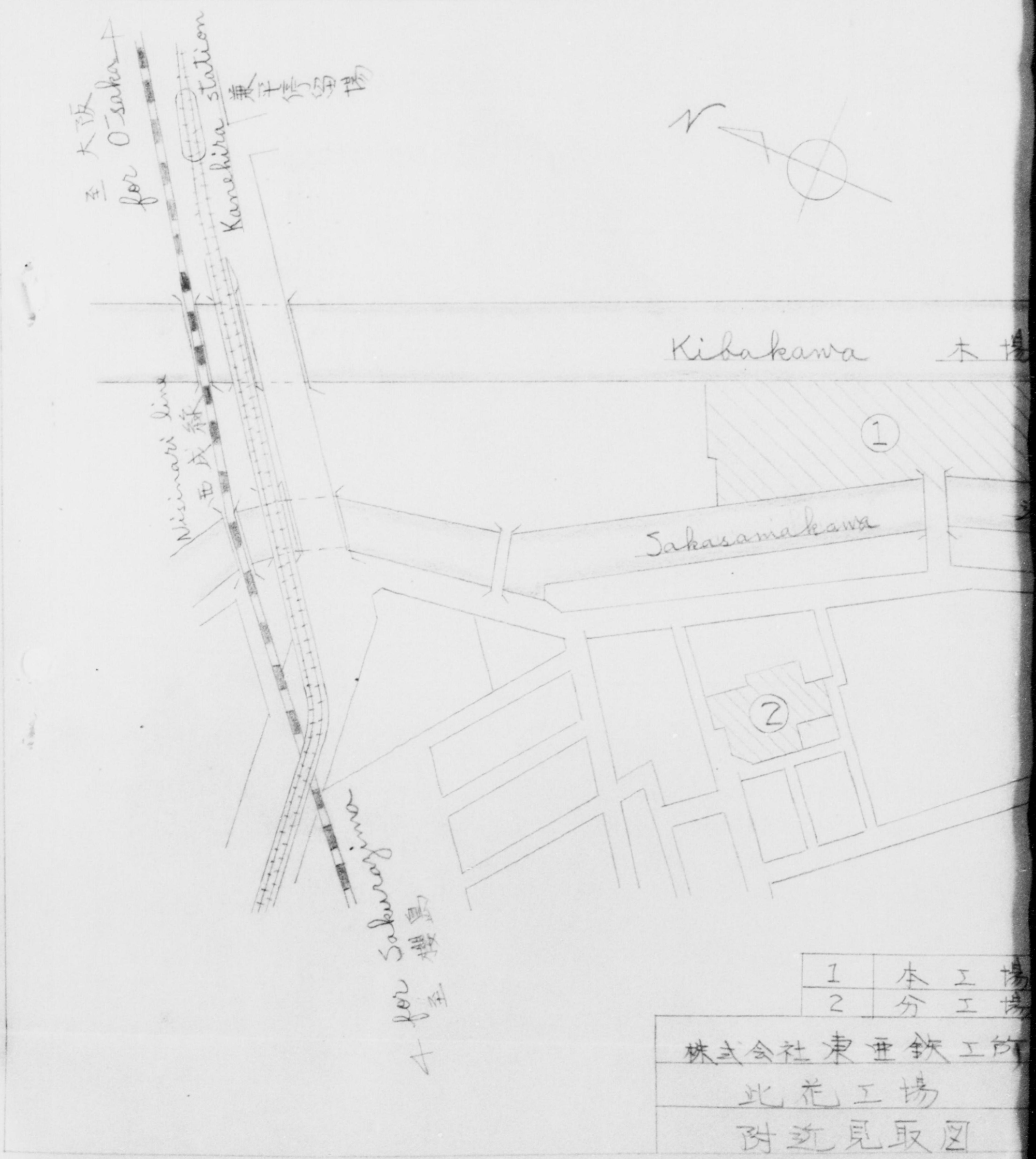
To:— Kiyoshi, Nakarai, Governer of Osaka Pref.

Name and Address:— Toa, Iron, Works LTD.
No.10 Hamadori Nishikujo Konohana Osaka.

Name of Manager:— Kunroku Andō

Application for permission	Owing to the Rule of Building item No.1
Location of Building	No.1023, Wakaekita, Wakaemura, Nakagawachigun, Osaka.
Use of Building	Foundry shop.
Reason of Establishment	Removal of one part of Konohana Factory, because operation of the factorry can not continue by submersion.
Details of Building	Abbreviated.

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.



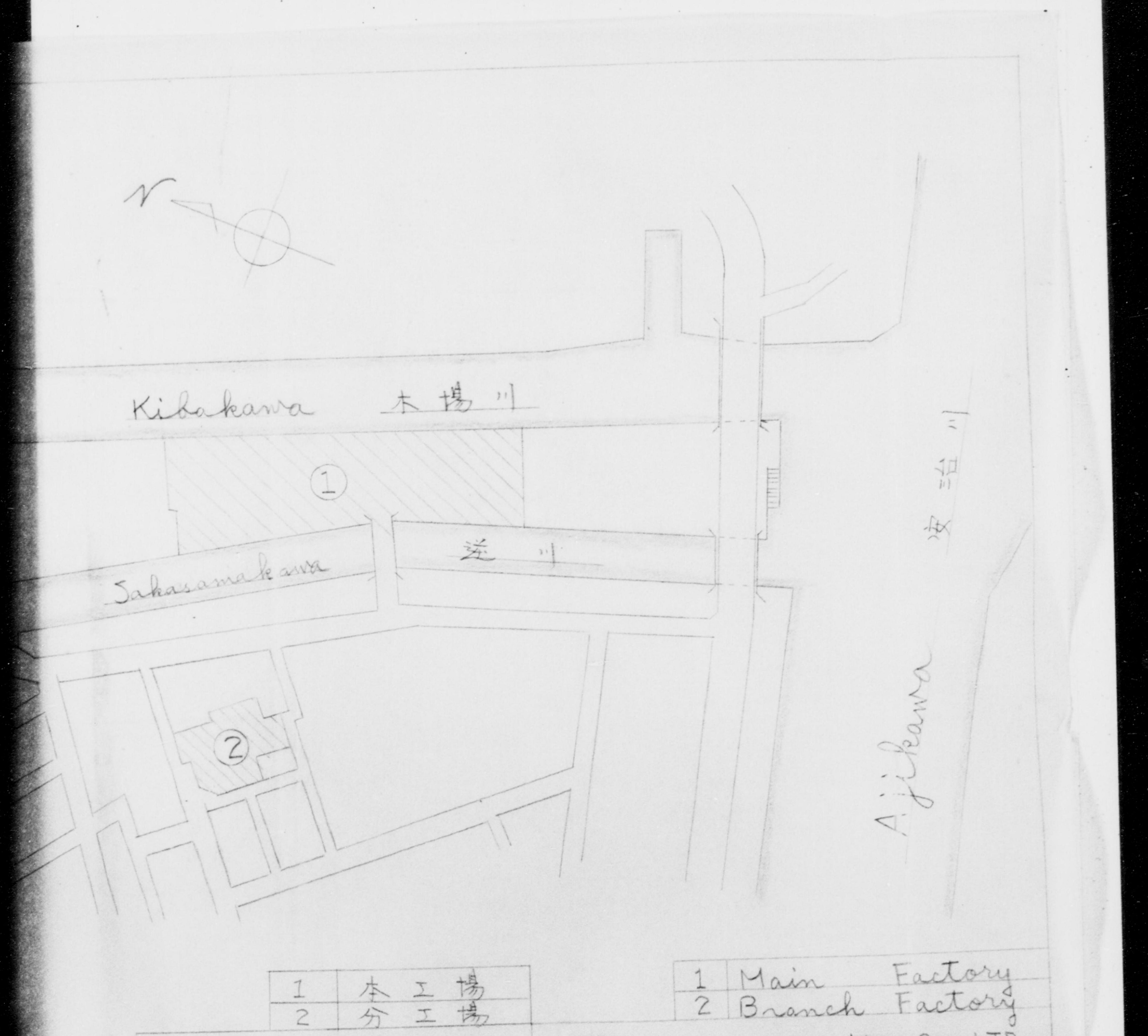
1	本工場
2	分工場

株式会社東亜鉄工所

此花工場

附近見取図

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDC NO:

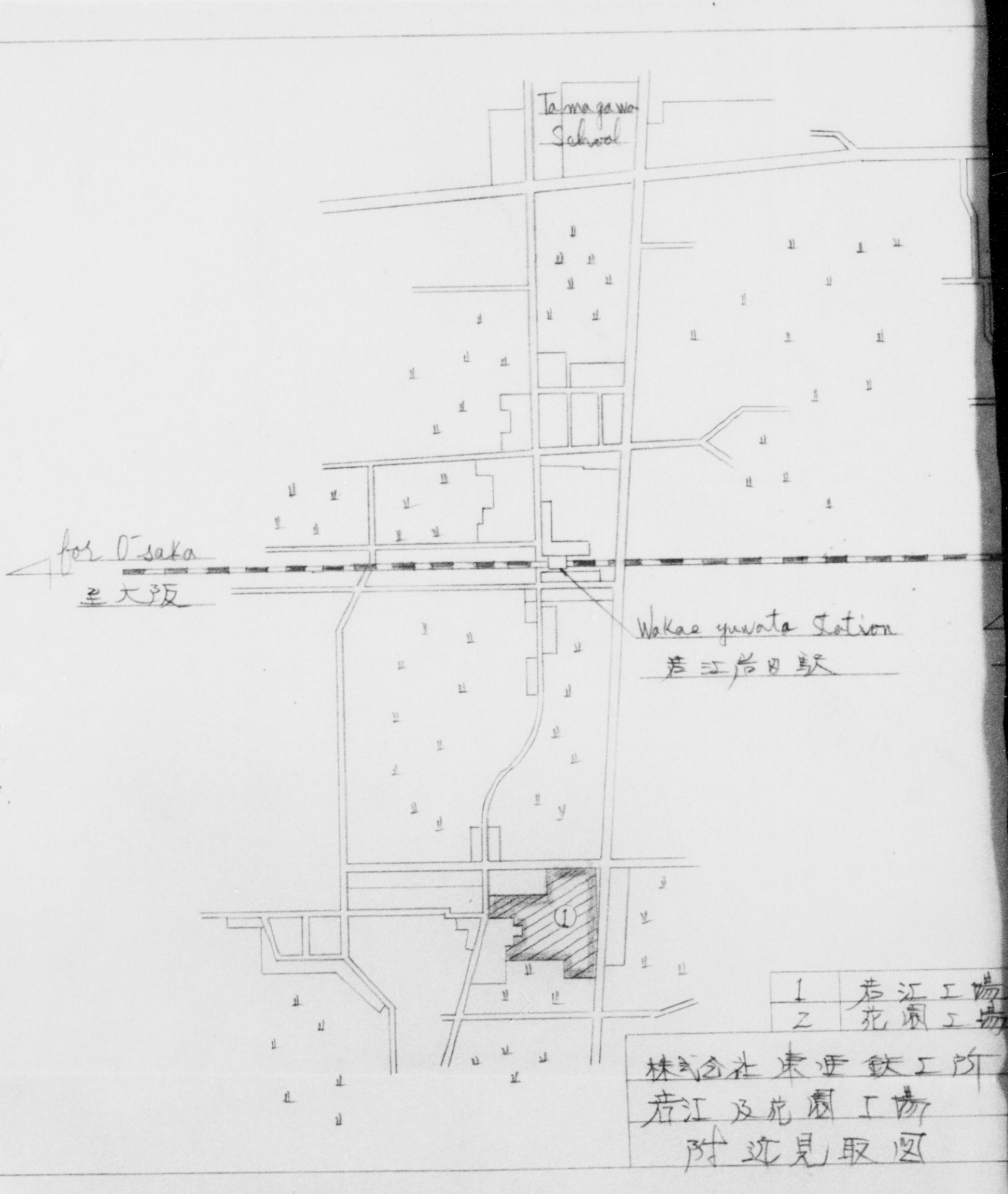


1	本工場
2	分工場

1	Main Factory
2	Branch Factory

株式会社東亜鉄工所	Toa iron works Co. LTD
此花工場	Konohana Factory
附近見取図	Adjacent view

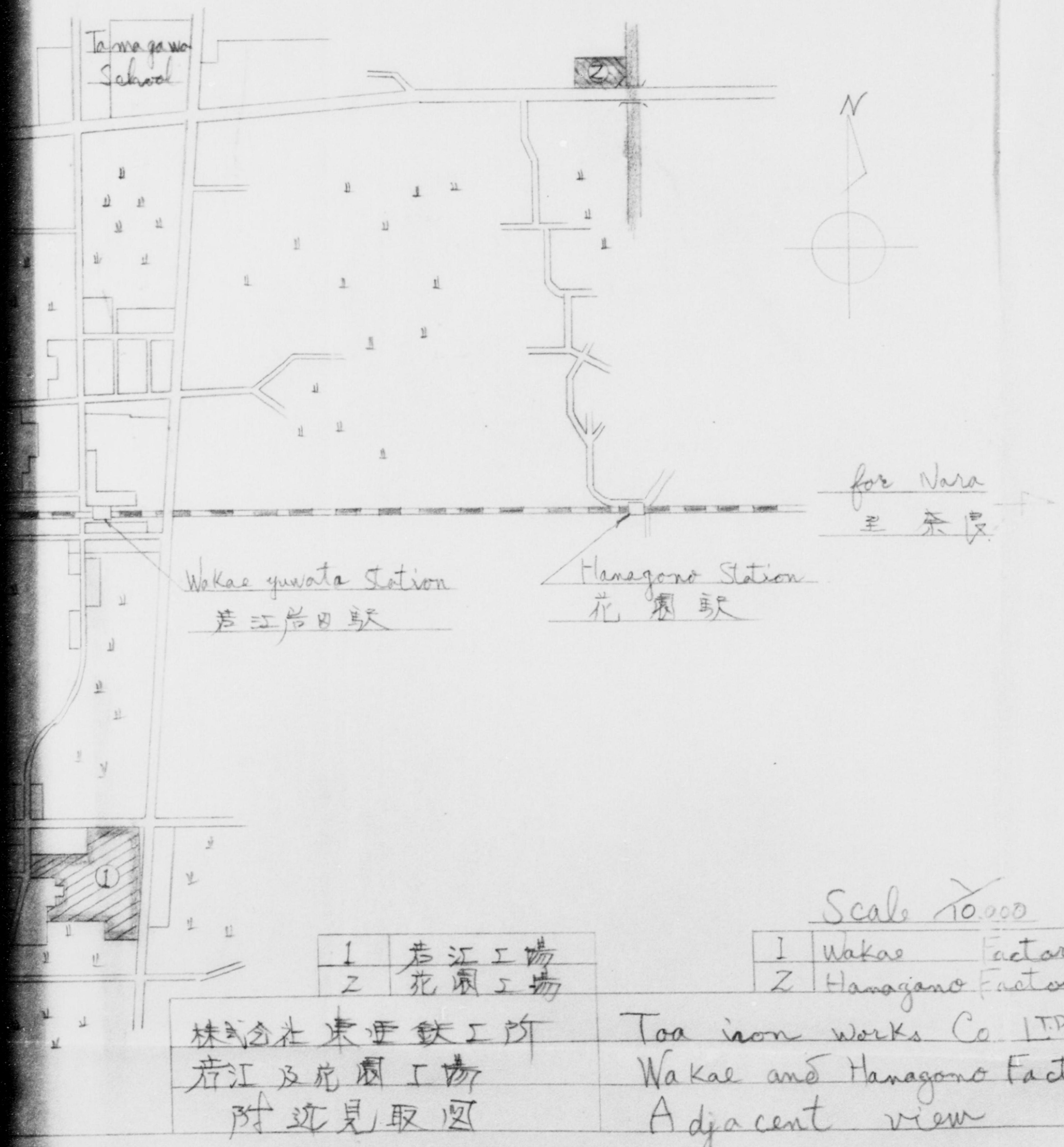
DECLASSIFIED E.O. 12065 SECTION 3-402/NNBS NO.



1	若江工場
2	花園工場

株式会社東亜鉄工所
若江及花園工場
附近見取図

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.



1	若江工場
2	花園工場

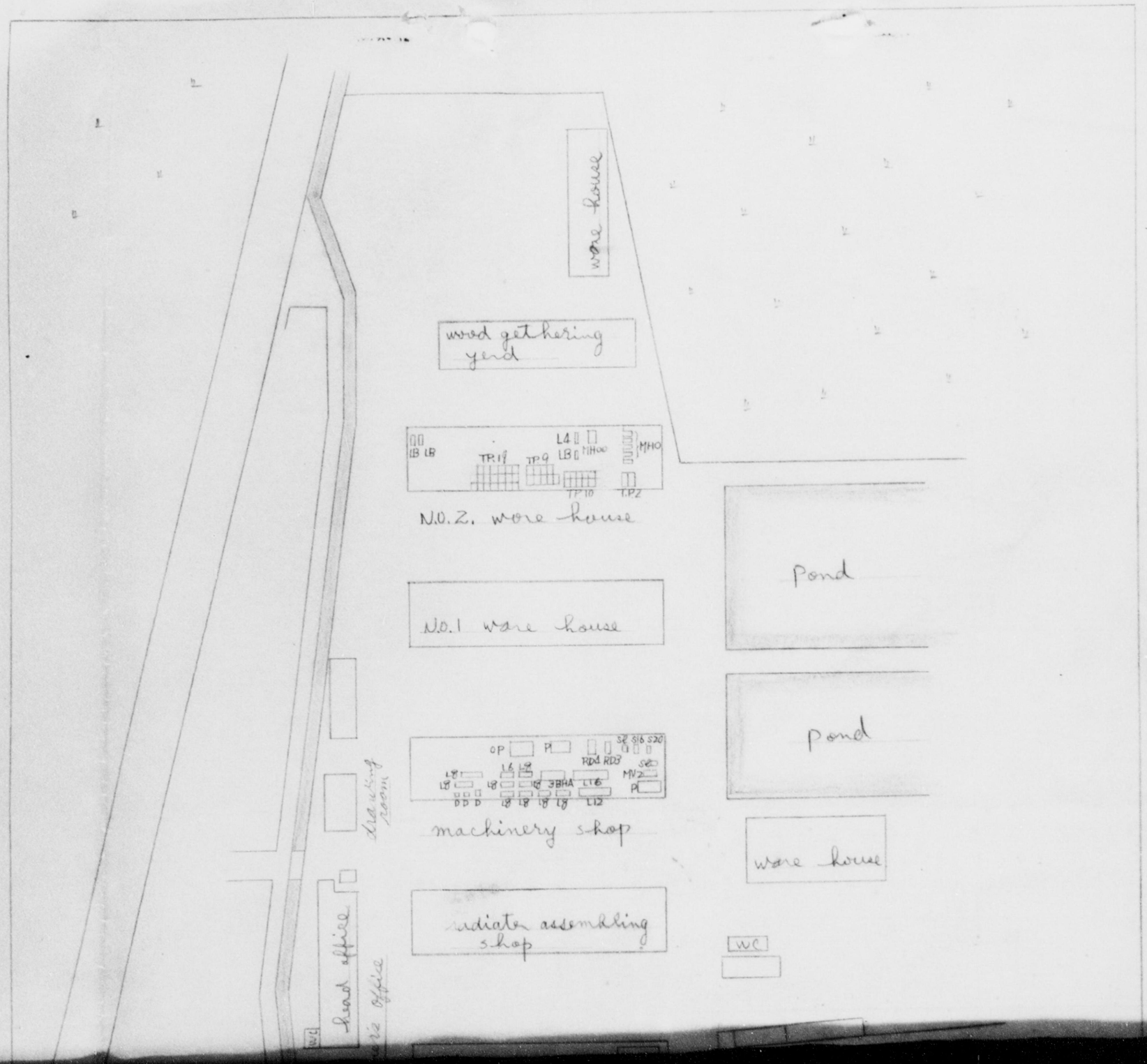
Scale 1/10,000

1	Wakae	Factory
2	Hanagano	Factory

株式会社東亜鉄工所
若江及花園工場
附近見取図

Toa iron works Co LTD
Wakae and Hanagono Factory
Adjacent view

DECLASSIFIED E.O. 12065 SECTION 3 402/NND



DECLASSIFIED E.O. 12065 SECTION 3 [illegible]

Toa iron works Co. LTD
Wakae Factory
Equipment machin arrangemap

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.

Procurement Officer

XXXXXXXXXXXX

I Corps

I Corps Engineer Supply

Cast Iron radiators, 5 col, ea. 50000 sq. ft.

" do " 2 col, ea. 50000 sq. ft.

Assembled in standard size groups,

tested to 60 lbs. cold water pressure

Delivery schedule: as manufactured

Shipped according to instruction from

ENGINEER, I CORPS: complete prior to 1 Nov. 1946.

Contractor: Toa Tekkosho K. K.

Ando Wakae Mura, Nakakawachi-Gun,

Osaka

Basis : Heating quarters for officers and

Allied Troops.

8 April 1946

E. E. DITTBRENNER

Major C. E.

Asst. Engineer

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO. [illegible]

Serial No. of Report

Application For Operation of

and

Report on Industrial Facilities

TO:_____

THRU:_____

Name and Address of Reporting Unit

Toa Iron Works Co. Ltd.

No. 1023 Wakaekita Wakaemura

Nakagawachigun Osaka Pr.

Date

1 Name of Facility
- A. Toa Iron Works Wakae Factory
- B. Toa Iron Works Hanazono Factory
- C. Toa Iron Works Konohana Factory

2 Location
- A. No. 1023 Wakaekita Wakaemura Nakagawachigun Osaka Pr.
- B. No. 36 Hisie Tamagawacho Nakagawachi-gun Osaka Pr.
- C. No. 10 Hamadori Nisikujo Konohanaku Osaka Pr.

3 Name of President or Manager
Kunroku Andō

4 History
- a. Date of construction August 1. 1916
- b. Date of operation
  - A. Wakae Factory Dec. 10. 1942
  - B. Hanazono Factory Apr. 1. 1945
  - C. Konohana Factory Aug. 1. 1916
- c. 1935-1941 Production (Aunual value in Yen: quantities of Principal products by units or weights.)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS No:

Cast iron radiator (Konohana Factory)

1936.	313.230	sq.ft.	¥ 234.163.00
1937.	332.876	"	¥ 365.649.00
1938.	413.058	"	¥ 336.411.00
1939.	246.208	"	¥ 249.218.00
1940-1946	Prohibition of making		

Machine tools (Konohana Factory)

1936	8 sets	¥ 39.246.00
1937	5 "	¥ 34.500.00
1938	16 "	¥ 101.060.00
1939	38 "	¥ 304.049.00
1940	125 "	¥ 1.026.545.00
1941	77 "	¥ 807.410.00

Conveying Machines (Konohana Factory)

1936	22 sets	¥ 268.349.00
1937	32 "	¥ 299.386.00
1938	35 "	¥ 467.950.00
1939	15 "	¥ 510.632.00
1940	2 "	¥ 113.933.00
1941	5 "	¥72.588.00

Coining press and other machines (Konohana Factory)

1936	11 sets	¥ 192.685.00
1937	11 "	¥ 52.813.00
1938	15 "	¥ 110.538.00
1939	15 "	¥ 99.148.00
1940	16 "	¥ 137.777.00
1941	99 "	¥ 729.711.00

An ignition device of bomb (Konohana Factory)

1938	1960 sets	¥ 43.000.00
1939	6150 "	¥ 135.000.00
1940	11900 "	¥ 261.000.00
1941	2320 "	¥ 51.000.00

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d. Present capitalization in Yen 1.750.000.00

e. Changes made in capital structure since 1935

1935	Capitalized	¥ 500.000.00
1939	"	¥ 1.000.000.00
1941	"	¥ 1.750.000.00

f. Name and address of parent company

Yokokawa Bridge Works Co. Ltd.

No.7 2 choume Nisisibaura Sibaku Tokyo City

g. Number of shares outstanding

35.000 shares

h. Number of stockholders (Give names of those owuing 10% or more of total)

Yokokawa Bridge Works Co. Ltd.,	22%
Toyo Cotton Co. Ltd.,	17%
Kasahara Gumi Co. Ltd.,	14%
Yokokawa Denki Co. Ltd.,	14%
Toa Koku Denki Co. Ltd.,	13%

i. Funds received from Government (Bounties, subsidies, etc)

Nothing

j. On reverse side outline sketch of plant layout with approximate dimentions

As per enclosure

5. Description

a. Principal Products

1. Wartime

Wakae Factory

A. Lathe finish of shell for sparking-plug (1944-45)

B. Cast iron for machine tools (1943-45)

C. Economizer for Boiler (1943-45)

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Hanazono Factory

An ignition device of bomb (1945)

Konohana Factory

Machine tools (1935-44)

Conveying machines (1935-43)

Coining press and other machines (1935-43)

An ignition device of bomb (1938-44)

2. At Present

Wakae Factory

Cast iron radiator

Hanazona Factory

Brass water taps

Konohana Factory (Suspend operation)

3. 1946-47 (At maximum capacity)

Wakae Factory

Cast iron radiator 8.000 sq.ft (per month)

Hanazono Factory

1. Brass water taps 2.000 pieces (per month)

2. Weaving machine for silk and rayon

b. Capacity

1. Wartime

Wakae Factory

Rathe finish of cell for sparking plug

25.000 p's /month

Cast iron for machine tools

30.000 kg /month

Economizer for Boiler 5 sets /month

Hanazono Factory

An ignition device of bomb 2.500 sets /month

Konohana Factory

Turret Lathe 35 sets /month

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2. At Present

Wakae Factory

Cast iron radiator 8.000 sq'ft /month

Hanazono Factory

Brass water tops 2.000 p's /month

3. 1946-47 (With unrestricted access to materials)

Wakae Factory

Cast iron radiator 18.000 sq'ft /month

Hanazono Factory

Water taps 2.500 p's /month

Weaving machine 10 sets /month

Konohana Factory

Suspend Operations

c. Number of Employees

1 Wartime

Wakae Factory 361

Hanazono " 132

Konohana " 467

2 At Present

Wakae Factory 196

Hanazono " 35

Konohana " 4

3 1946-47 (At maximum Capacity)

Wakae Factory 300

Hanazono " 150

Konohana " 4

6. Machinery & Equipment in plant

Wakae Factory

Description		Quantity	Condition
Cupola furnace	2 ton's /hour	1 set	
" "	3 " / "	1 "	
" "	0.5 " / "	1 "	

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Aluminium alloy furnace	0.5 ton's /hour	1 set
Machine tools		
Turret Lathe	36m/m X 1000m/m	39 sets
Bench Lathe	90 " X 980 "	3 "
Lathe	8½ " X 8'-0"	1 "
"	5 " X 4'-0"	1 "
Turret Lathe		1 "
Plane milling machine	No. 0	5 "
" " "	No. 00	1 "
Cutter Grinder		1 "
Drilling Machine	720m/m	1 "
" "		1 "
" "	14 "	1 "
Radiel Drill	3'-0"	1 "
"	4'-6"	1 "
Lathe	7¾" X 6'-0"	1 "
"	8⅜" X 8'-0"	8 "
"	13½" X 12'-0"	1 "
"	X 16'-0"	1 "
Planing Machine	3'-6" X 13'-4"	1 "
"	30" X 8'-0"	2 "
Boring Machine	No.3	1 "
Saping Machine	16"	1 "
"	20"	2 "
Virtical Milling machine	No.2	1 "
Slotting Machine		2 "
	Total	78 sets

Removed from Konohana Factory (For machine tool production)

Lathe	X 8'-0"	2 sets
"	X 12'-0"	3 "
Plane Milling Machine	No.0	2 "
Horizontal Milling Machine	No.2	2 "
Drilling Machine	720m/m	2 "
Radial Drill	3'-0"	3 "

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Radial Drill	4'-6"	1 sets
Shaping Machine	18"	1 "
"	24"	2 "
Slotting Machine	6"	1 "
"	8"	1 "
"	12"	1 "
Planing Machine	2'-0" x 6'-0"	1 "
"	2'-6" x 8'-0"	1 "
Boring Machine	No.1	4 "
Grinding Machine	24"	1 "
		28 sets

Hanazono Factory

Description	Quantity		Condition
Lathe	7¾" x 6'-0"	18 sets	
"	6¼" x 5'-0"	2 "	
"	6" x 3'-0"	26 "	
"	90 x 980m/m	12 "	
Turret Lathe	36 x 1000 "	19 "	
Plane Milling Machine	No.00	1 "	
Vertical Milling Machine	No.0	1 "	
Universal Milling Machine	No.1½	1 "	
Upright Drill	720m/m	3 "	
Shaper	8"	1 "	
Cutter Grinder		2 "	
Cutting Machine		2 "	
	Total	88 sets	

Removed from Konohana Factory (For machine tool production)

Lathe	7⅜" x 6'-0"	3 sets
"	8⅜" x 8'-0"	5 "
"	13½" x 12'-0"	1 "
Turret Lathe	36 x 1000m/m	2 "
Bench Lathe	90 x 980 "	3 "
Vertical Milling Machine	No.1	2 "
" " "	No.2	2 "

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Horizonotal Milling Machine	No.2	2 sets
Slindrical Grinder	No.1	2 "
" "	No.2	1 "
Internal Grinder		1 "
Surface Grinder	16"	1 "
Tool Grinder		2 "
Shaper	6"	1 "
"	20"	1 "
"	24"	2 "
Hobbing Machine	16"	1 "
Rapping Machine		1 "
Gear surface Grirder		1 "
		34 sets

Konohana Factory

Discription	Quantity		Condition
Lathe	6" X 3'-0"	4 sets	
"	8½" X 8'-0"	3 "	
"	10" X 10'-0"	2 "	
"	14½" X 16'-0"	1 "	
Vertical Milling Machine	No.2	1 "	
Horizontal Milling Machine	No.2	1 "	
Borting Machine	No.1	1 "	
"	No.3	1 "	
Radial Drill	4'-6"	1 "	
Unright Drill	720m/m	6 "	
Slotting Machine	18"	1 "	
Planer	3'-6" X 13'-4"	1 "	
	Total	24 sets	

7. Present stocks of Raw Materials, Supplies and unfinished Goods

Wakae Factory

Description	Quantity	Condition
Pig iron	25.000 kg	

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Scrap iron and sted	23.000 kg
Steel	39.000 "
Copper	2.200 "
Zinc	330 "
Tin	550 "
Aluminium block	2.000 "
" Scrap	1.500 "
Turret Lathe	

Hanazono Factory

Steel bar etc	36.468 kg
Bronze	3.439 kg
Copper	89 "
Zinc	105 "
Tin	82 "

Konohana Factory

Steel Bar	144.140 kg
Scrap iron	25.000 kg

8. Present stock of Finished Goods

Wakae Factory

Description	Quantity	Condition
Turret Lathe (Wooden bed)	5 sets	

Hanazono Factory

An ignilion device of bomb	428 sets	

9. Present stock of Fuel

Wakae Factory

Description	Quantity
Cork	5.000 kg
Hanazono Factory	nothing
Konohana Factory	"

10. Machinery & Equipment needed for maximum production 1946-47

Wakae Factory

Description	Quantity	
Cupola Furnace	2 tons /hour	1 set
" "	3 " /"	1 "

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Cupola Furnece	0.5 tons /hour	1 set
Drilling Machine	720m/m	1 "
" -		1 "
"	14"	1 "
Radial Drill	3'-0"	1 "
"	4'-6"	1 "
Lathe	7⅛" x 6'-0"	1 "
"	8⅜" x 8'-0"	8 sets
"	13½" x 12'-0"	1 set
"	x 16'-0"	1 "
Plaming Machine	3'-6" x 13'-0"	1 "
"	30" x 8'-0"	2 sets
Boring Machine	No.3	1 set
Saping Machine	16"	1 "
"	20"	2 sets
Virtical Milling Machine	No.2	1 set
Slotting Machine		2 sets
		Total 29 sets

Hanazono Factory

Description		Quantity
Lathe	7⅛" x 6'-0"	18 sets
"	6⅛" x 5'-0"	2 "
"	6" x 3'-0"	26 "
"	90 x 980m/m	12 "
Turret Lathe	36 x 1000 "	19 "
Plane Milling Machine	No.00	1 "
Vertical Milling Machine	No.0	1 "
Universal Milling Machine	No,1½	1 "
Upright Drill	720m/m	3 "
Shaper	8"	1 "
Cutter Grinder		2 "
Cutting Machine		2 "
		Total 88 sets

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11. ROw materials & supplies needed (monthly)

a. For Present Capacity (5b 2above)

Description	Quantity
Pig Iron	52.000kg
Bronze Metal	800 "
Steel	2.000 "

b. For Maximum (563 above)

Pig Iron	127.000kg
Steel	5.500 "
Bronze Metal	1.000 "
Wood	100 cub.ft

12. Fuel needed (monthly) (Do not include present stock)

Description	Quantity
Coke	32.000kg
Coal	10.400 "

13. Additional Personnel needed (Not locally available)

Special Skills	Number
Faunder	50

14. Prices (Give current selling prices in Yen or principal products)

Description	Unit	Price
Radiator	squar foot	¥ 75.00
Water tap	piece	¥ 40.00
Weaving Machine	set	¥ 13,500.00

15. Remasks (Include here any factors hampering production not already mentioned and any recommendations you consider necessary)

Shortage of Pig Iron and Coke

16. Certification by applicant

I certify that the information contained is true to the best of my knowledge and belief

Sigued K. Ando

Title Managing Director

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 71 8 2 1 6

17. Action by Occupation Forces

The factory described in this application has been inspected and the follwing action:

a. Orderd to remain closed Yes___ No____

b. Orderd to cease operations immediately Yes___ No____

c. Authorized to produce at the following rate:

Items to be manufactured	Monthly Quantity

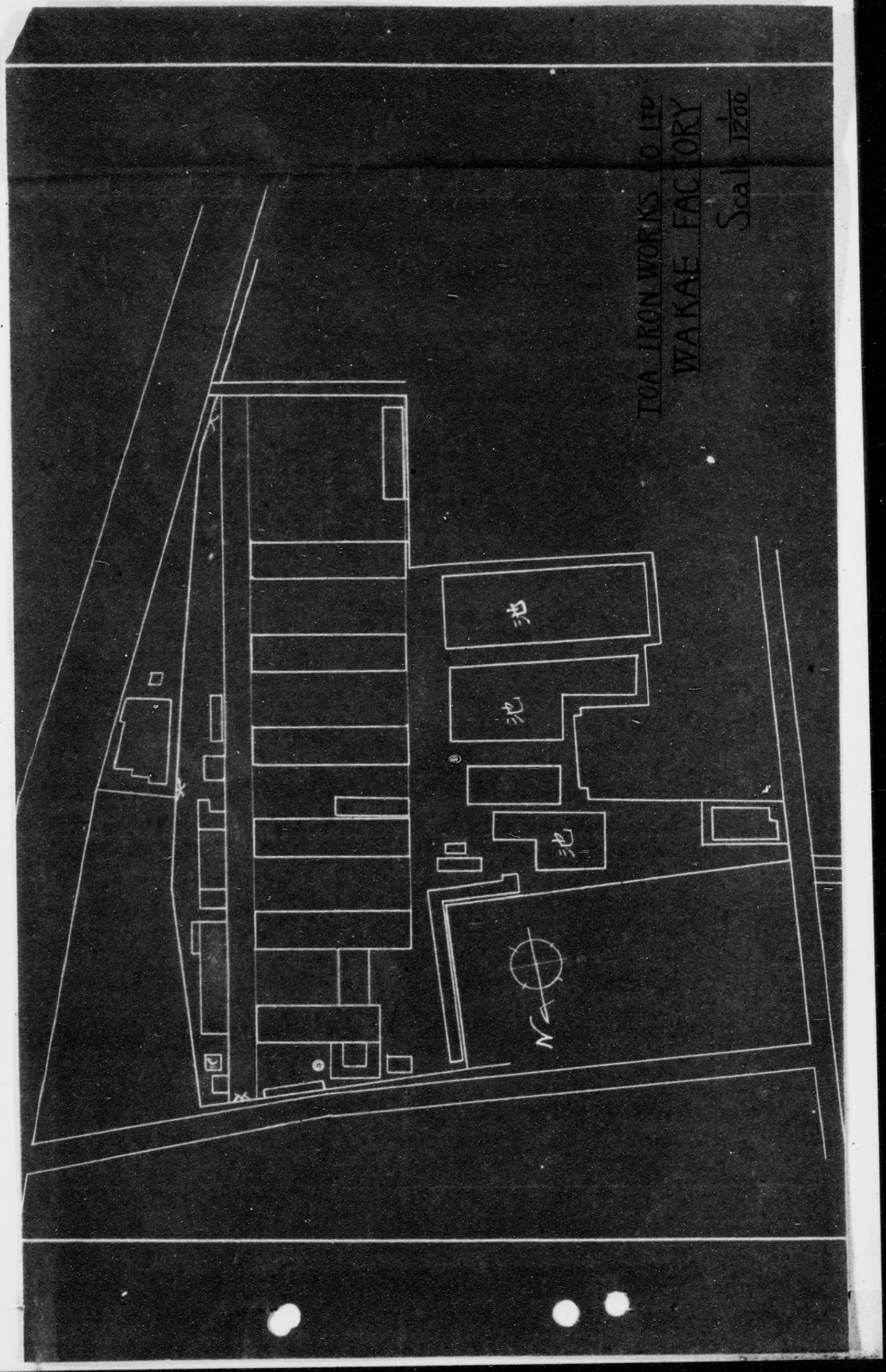
Signature of Authorizing Officer

Designation of Authorizing Unit

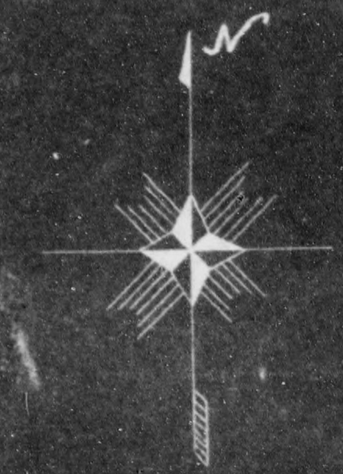
INSTRUCTION

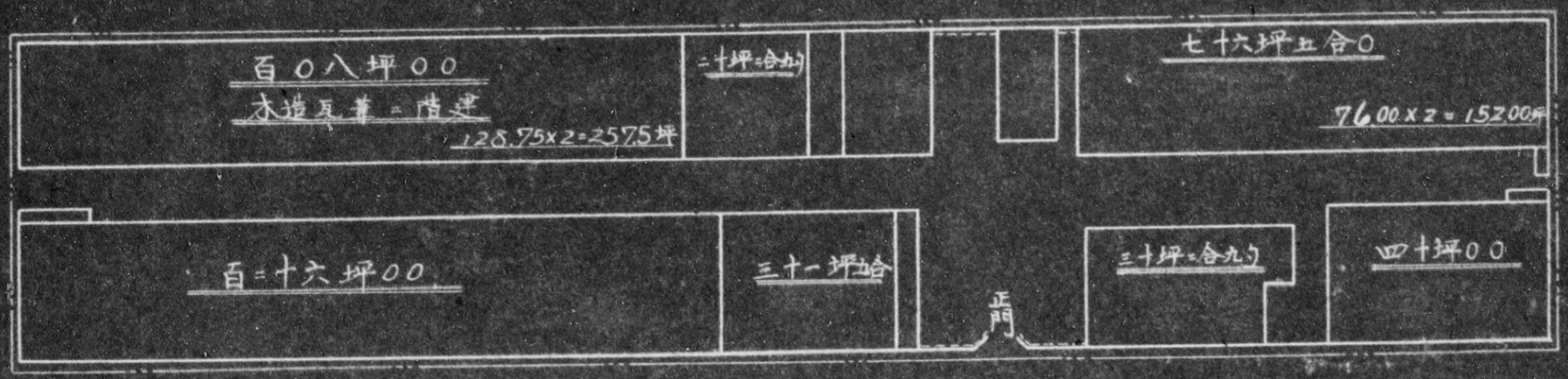
1. The purpose of this form is to persent a complete picture of the factory concerned.
2. If exact information is not space for on the face of the form.
3. Use the reverse side of any sheet for data there is not space for on the face of the form.
4. Where capacities or quantities are given state clearly unit of measure being used.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]



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





大阪府都市計画道路 幅員三十六尺

TOA IRON WORKS CO-LTD
HANAZONO FACTORY.
Scale 1/400

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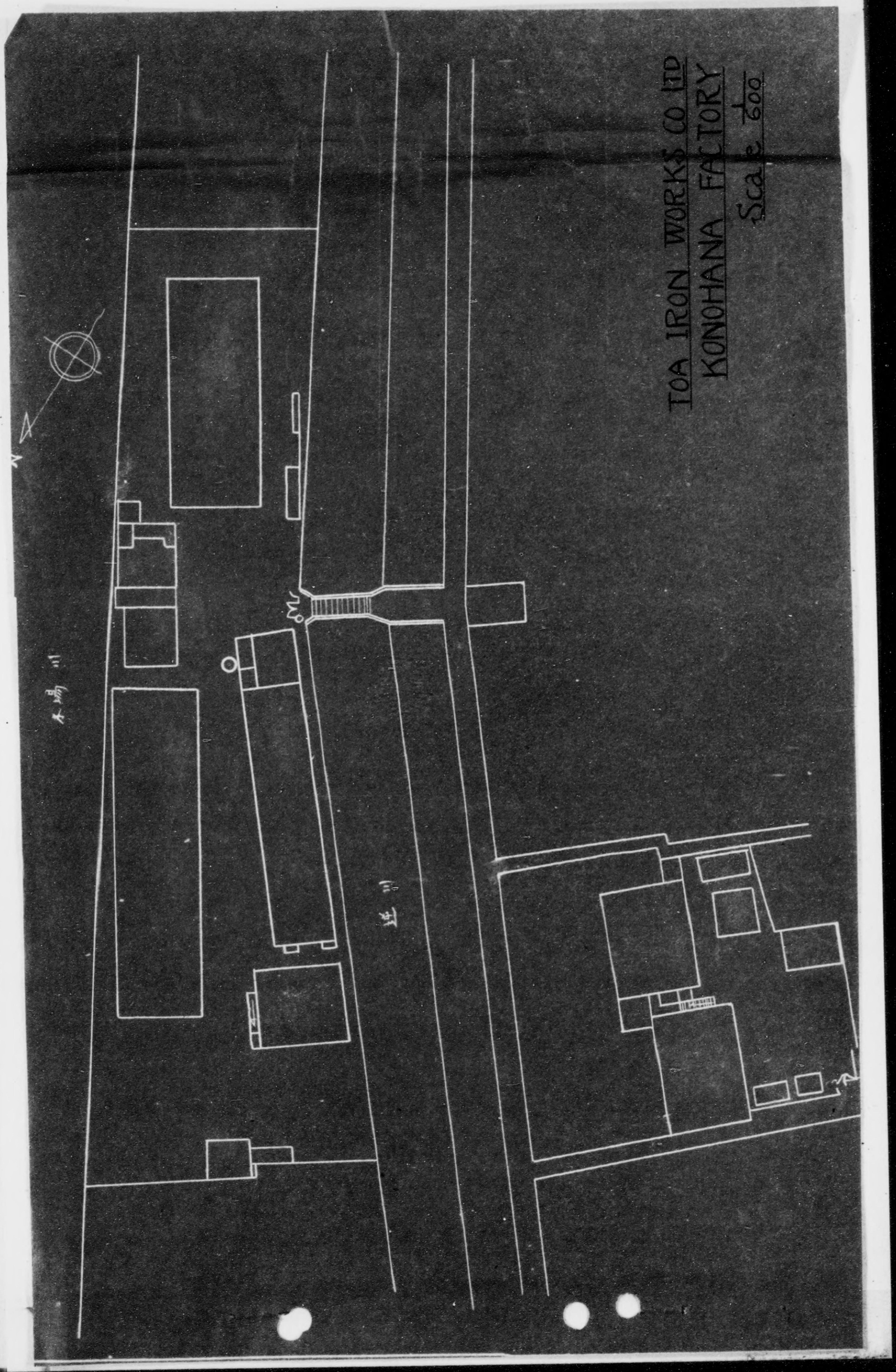

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HEADQUARTERS
OSAKA MILITARY GOVERNMENT TEAM
APO 660

HHH/mh

20 Aug 46

SUBJECT: Application for Reconversion

THROUGH: Osaka Liaison Office

TO : Toa Iron Works Co, Ltd
1023 Wakaekita, Wakaemura
Nakagawachi-gun, Osaka Prefecture

1. Reference is made to your application for operation and report on industrial facilities dated 13 Aug 46.

2. You will have a representative of your company call at this office at an early date to discuss this application.

BY ORDER OF LT COLONEL TWAY:

HARRY M. WEINREBE
Captain, CWS
Adjutant