DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175015

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

Description of contents

(1) Box no. 3049

(2) Folder title/number: (17)
Nissin Chemical Caustic Soda Plant

(3) Date: Jan. 1949 - Nov. 1950

(4) Subject:

| Classification | Type of record |
|---|---|
| 9230, 9621 | z |

(5) Item description and comment:
Ehime

(6) Reproduction: (Yes) No

(7) Film no. Sheet no.

(Compiled by *National Diet Library*)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

file
Hem

7 November 1950

SUBJECT : Report on Movement of Authorized Use of Caustic Soda Reparations Equipment.

THRU : Local Liaison Office, Ehime Prefecture.

TO : Chief of Shikoku Civil Affairs Region, APO 1050, Takamatsu, Kagawa Prefecture.

FROM : Niihama Works, Nissin Chemical Co., Ltd.
31 Otsu, Niihama, Ehime Prefecture.

1. The reparations equipment of Caustic Soda Plant (Code No.05-03) were aproved for movement and authorized use in conformity with memorandum of SCAP/ESS; dated; 15 June 1950.

2. A part of the equipment (listed below) of Caustic Soda Plant will be transfered to Kikumoto Works (812 Ko, Kikumoto, Aza-Shinsuga, Niihama) of the same company according to the following schedule:

Commencement of Movement 10 November 1950
Completion of Movement 30 November 1950

| Inventory No. | Name of Items | No.of Items |
|---|---|---|
| IA1- 1-20 | Electrolysis Cell | 20 |
| IA3-23 | Electrolysis Solution Cell | 1 |
| IIIB1- 4 | Hydrogen Gas Blower | 1 |
| IIIB2- 7- 8 | Centrifugal Pump | 2 |
| | Total ..... | 24 |

3. All the necessary precaution will be exercised to prevent damage to the equipment while it is being moved and efficient care will be taken for its maintenance.

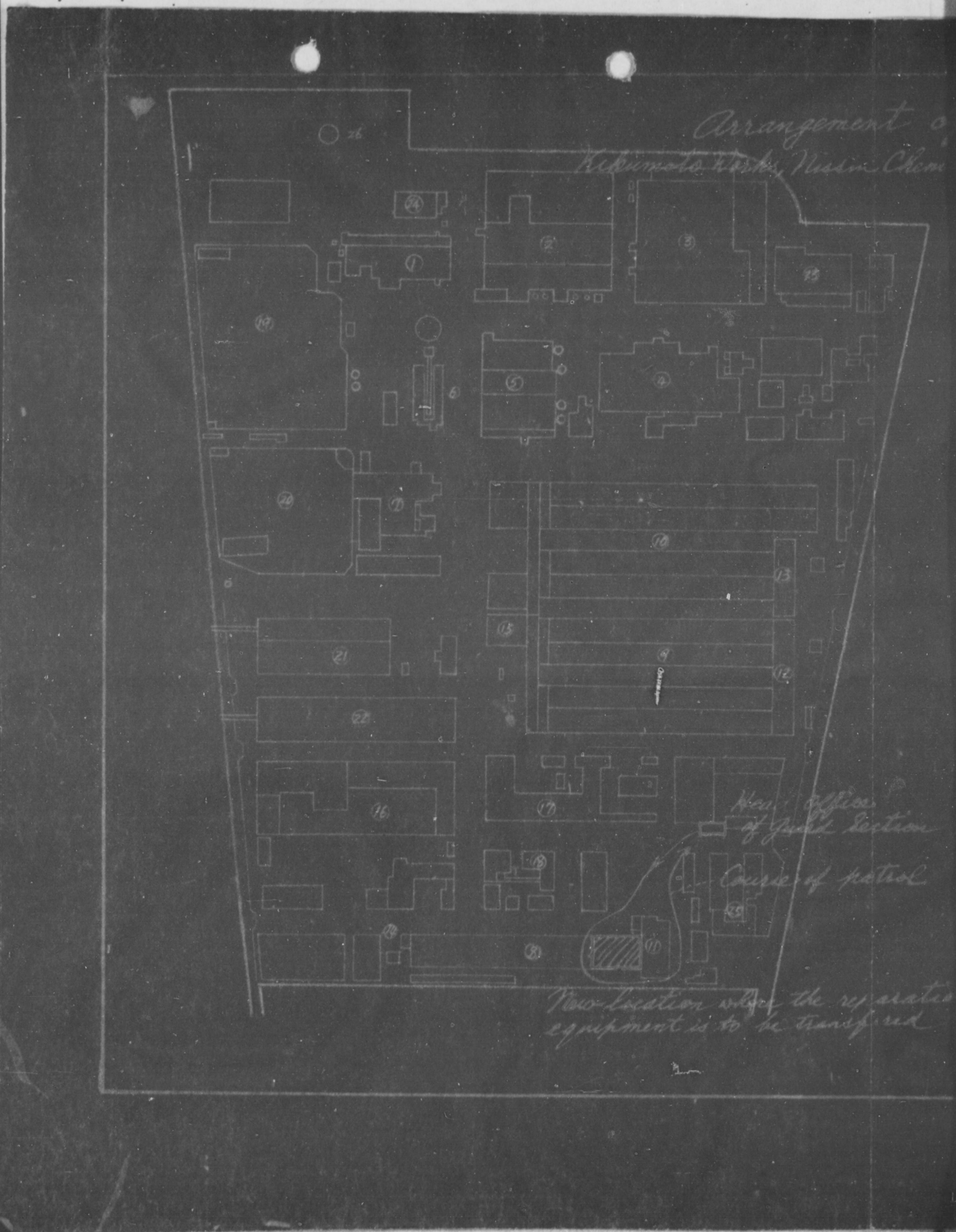
4. The new location in the Kikumoto Works where the equipments are to be transfered is shown in attached blue print.

Yoshishige Harada

Director of Niihama Works,
Nissin Chemical Co., Ltd.

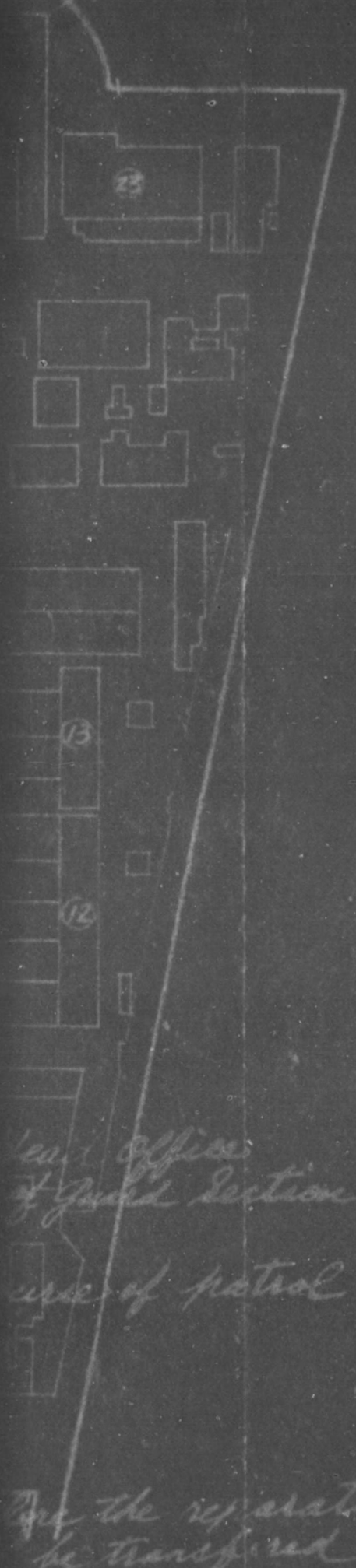
1. Inclosure : (Blue print)
Arrangement of Kikumoto Works.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175015



DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 115013

rangement of
by Nissin Chemical Co, Ltd




| No. | Name of plant. |
|---|---|
| 1 | Bauxite-roasting plant |
| 2 | Red mud plant |
| 3 | White mud plant |
| 4 | Alumina calcinating plant |
| 5 | Evaporating plant |
| 6 | Gas plant |
| 7 | Boiler plant |
| 8 | 1st reduction plant |
| 9 | 2st reduction plant |
| 10 | 3rd reduction plant |
| 11 | 1st Substation |
| 12 | 2nd Substation |
| 13 | 3rd Substation |
| 14 | Casting plant |
| 15 | Casting plant |
| 16 | Electrode plant |
| 17 | Repair shop |
| 18 | Laboratory |
| 19 | bauxite Stock-yard |
| 20 | Coal Stock-yard |
| 21 | Storage |
| 22 | Storage |
| 23 | Spray Pond |
| 24 | Spray Pond |
| 25 | office |
| 26 | Lime Kiln |

lew: Offices
of Yanked Section

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for the reparation
be transferred

K 1 ~ 26

Kikumoto Branch Factory

Nihama Works

Nissin Chemical Co Ltd

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175813

HEADQUARTERS
SHIKOKU CIVIL AFFAIRS REGION
APO 1050

GAL/JRA/tk

AG 336.6

27 June 1950

SUBJECT: Approval for Movement and Authorized Use of Items Listed for Reparations

THRU: Local Liaison Office

TO: Governor, Ehime Prefecture

1. Reference is made to the application dated 1 May 1950 by Director, Reparations Division, Reparations Agency, addressed to Supreme Commander for the Allied Powers, subject: "Application for Movement and Authorized Use of Reparations Equipment of Niihama Works (Code No. 05-03), Nisshin Chemical Co., Ltd. filed by Kikumoto Plant (non-reparations plant) of the same company".

2. The application requesting permission for the transfer and authorized use of ninety-two (92) items of reparations equipment has been approved as indicated below:

Nisshin Chemical Company, Ltd. Interplant Transfer

| Present Location | Items | To Be Transferred To |
|---|---|---|
| Nisshin Chemical Co., 31 Otsu, Niihama City | 92 | Nisshin Chemical Co., Kikumoto Plant, 812, Kikumoto, Aza Shinsuga, Niihama City |

3. 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.

FOR THE CHIEF, SHIKOKU CIVIL AFFAIRS REGION:

W. D. JOHNSTON
Lt Col Inf
Adjutant

1 Incl:
Description of Equipment

cc Shikoku Liaison & Coordination Office

Economic File

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

1. Mr. Allen
2. Mr. Ostaszewski

Note and prepare letter

OHIKOKU

INFORMATION:

O.D. "

JUN 22 1950

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

WT/ABO/MWH/RAS/bd

387.6(15 Jun 50)ESS/IND

15 June 1950

MEMORANDUM FOR: Reparations Agency, Tokyo

SUBJECT: Application for Movement and Authorized Use of Items Listed for Reparations

1. Reference is attached R.A.R. No. 417 (MS), 1 May 1950, subject: Application for Movement and Authorized Use of Reparations Equipment of Niihama Works (Code No. 05-03), Nissin Chemical Co., Ltd. Filed by Kikumoto Plant (Non-reparations plant) of the Same Company.

2. The application requesting permission for the transfer and authorized use of the ninety-two (92) items of reparations machinery listed in reference 1, above, is approved as indicated below:

Nissin Chemical Co., Ltd. Interplant Transfer

| Present Location | No. of Items | To Be Transferred To |
|---|---|---|
| Niihama Works (05-03) | 92 | Kikumoto Plant<br>812 Ko Kikumoto<br>Aza, Shinsuga<br>Niihama Shi<br>Ehime Pref. |

3. 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

1 Incl
as indicated

Cys furnished:
CA Sec (dup)
CPC

MEMO FOR RECORD:
The above ltr is self-explanatory.
M. M. C.

Mr. R. A. Steele
26-6552

CA SEC

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

TO : GENERAL HEADQUARTERS, SUPREME COMMANDER FOR THE ALLIED POWERS.

FROM : Reparations Agency, Tokyo.

SUBJECT: Application for Movement and Authorized Use of Reparations Equipment of Nihama Works (Code No. 05-03), Nissin Chemical Co., Ltd. Filed by Kikumoto Plant (Non-reparations plant) of the Same Company.

R.A.R. No. 417 (NS) 1 May 1950.

1. The Reparations Agency hereby submits to your Headquarters an application for movement and authorized use of 92 sets of reparations equipment now lying idle in the Nihama Works (Code No. 05-03) of the Nissin Chemical Co., Ltd. filed by the Kikumoto Plant (Non-reparations plant) of the same company, together with an application of the Ministry of International Trade and Industry, as enclosed herewith.

2. It is desired that the said 92 sets of reparations equipment be moved and put into operation for production of hydrochloride acid gas (90 tons monthly) and caustic soda (120 tons monthly) in the Kikumoto plant of the same company. The former products are essentially needed for vinyl chloride of which production in crease (100 tons per month) is planned by this plant to meet the ever increasing demand for them.

3. This application has been investigated and has been coordinated with other interested government agencies.

4. It is requested that your most favorable consideration be given to this application at the earliest practicable date.

(Y. Katsuma)
Director, Reparations Division,
Reparations Agency.

Incls:

~~a) Application of the Ministry of International Trade & Industry.~~

b) Application of the subject plant.

Incl 1

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

Details of designated
equipments to be used for this product

1. Name of designated equipment Caustic soda plant

2. ~~No. of machines~~ ~~156 unit~~

3. No. of machines to be used for the production 92 unit

| Inventory No. | Machines and Apparatus | No. of unit |
|---|---|---|
| | Electrolysis plant | |
| I A 1-1-20 | Electrolysis cell | 20 |
| I A 3-20 | Hydrogen gas holder | 1 |
| I A 3-21-22 | Overhead crane | 2 |
| II A 2-14-15 | Motor for above | 2 |
| I A 3-23 | Electrolysis solution cell | 1 |
| III B 1-4 | Hydrogen gas blower | 1 |
| II A 2-8 | Motor for above | 1 |
| III B 2-7-8 | Centrifugal pump | 2 |
| II A 2-10-11 | Motor for above | 2 |
| | Total | 32 |

(Hydrochloric acid plant)

| | | |
|---|---|---|
| I A 3 - 32 | Leading pipe | 1 |
| I A 3 - 33 | Burner | 1 |
| I A 3 - 34 | Combustion pipe | 1 |
| I A 3 - 35 | Water cooling tower | 1 |
| I A 3 - 36 | Absorption pipe | 1 |
| I A 3 - 37 | Finished product tank | 1 |
| I A 3 - 38 | Out-door tank | 1 |
| I A 3 - 39 | Waste gas absorption tower | 1 |
| I A 3 - 40 | Chlorine gas drying tower | 1 |
| I A 3-41-42 | Sulphuric acid vessel | 2 |
| I A 3-49 | Waste gas absorption tower | 1 |
| III B 1 - 5 | Hydrochloric acid gas blower | 1 |
| II A 2 - 20 | Motor for above | 1 |
| III B 1-6-7 | Nash pump | 2 |
| II A 2-24-25 | Motor for above | 2 |
| III B 1-8-9 | Sulphuric acid tank | 2 |
| III B 1-10-13 | Separator | 4 |
| III B 2-15-17 | Centrifugal pump | 3 |
| II A 2-21-23 | Motor for above | 3 |
| III B 2 - 18 | Centrifugal pump | 1 |
| II A 2 - 30 | Motor for above | 1 |
| | Total | 32 |

Incl 1 ~

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

(Common salt purification plant)

| | | |
|---|---|---|
| I A 3 -1 | Roof-tank for saturated brine | 1 |
| I A 3-17 | Filter press | 1 |
| I A 3-18-19 | Brine recovering tank | 2 |
| I A 3-58 | Spare Tank | 1 |
| III B 1-1 | Air compressor | 1 |
| III B 1-2 | Air receiver | 1 |
| II A 2-7 | Motor for above | 1 |
| III B 2-1 | Centrifugal pump | 1 |
| II A 2-1 | Motor for above | 1 |
| III B 2-2 | Centifugal pump | 1 |
| II A 2-2 | Motor for above | 1 |
| III B 2-3-4 | Centrifugal pump | 2 |
| II A 2-3-4 | Motor for above | 2 |
| III B 2-5 | Centrifugal pump | 1 |
| II A 2-5 | Motor for above | 1 |
| III B 2-6 | Centrifugal pump | 1 |
| II A 2-6 | Motor for above | 1 |
| | Total | 20 |

(Rectifying chamber)

| | | |
|---|---|---|
| II A 6-1 | D C generater | 1 |
| II A 6-3 | D C Generater | 1 |
| II A 6-2 | D C generater | 1 |
| II A 6~~0~~4 | Air circuit insulater | 1 |
| II B 1-1-2 | Transformer | 2 |
| II B 1-1-2 | Switch board | 2 |
| | Total | 8 |
| | Grand Total | 92 |

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

Incl to Ltr SCAR, 27 June 50, subj: Approval for Movement and Authorized Use of Items Listed for Reparations

Details of designated equipments to be used for this product

1. Name of designated equipment — Caustic soda plant

2. No. of machines to be used for the production — 92 unit

| Inventory No. | Machines and Apparatus | No. of unit |
|---|---|---|
| | (Electrolysis plant) | |
| I A 1-1-20 | Electrolysis cell | 20 |
| I A 3-20 | Hydrogen gas holder | 1 |
| I A 3-21-22 | Overhead crane | 2 |
| II A 2-14-15 | Motor for above | 2 |
| I A 3-23 | Electrolysis solution cell | 1 |
| III B 1-4 | Hydrogen gas blower | 1 |
| II A 2-8 | Motor for above | 1 |
| III B 2-7-8 | Centrifugal pump | 2 |
| II A 2-10-11 | Motor for above | 2 |
| | Total | 32 |
| | (Hydrochloric acid plant) | |
| I A 3-32 | Leading pipe | 1 |
| I A 3-33 | Burner | 1 |
| I A 3-34 | Combustion pipe | 1 |
| I A 3-35 | Water cooling tower | 1 |
| I A 3-36 | Absorption pipe | 1 |
| I A 3-37 | Finished product tank | 1 |
| I A 3-38 | Out-door tank | 1 |
| I A 3-39 | Waste gas absorption tower | 1 |
| I A 3-40 | Chlorine gas drying tower | 1 |
| I A 3-41-42 | Sulphuric acid vessel | 2 |
| I A 3-49 | Waste gas absorption tower | 1 |
| III B 1-5 | Hydrochloric acid gas blower | 1 |
| II A 2-20 | Motor for above | 1 |
| III B 1-6-7 | Wash pump | 2 |
| II A 2-24-25 | Motor for above | 2 |
| III B 1-8-9 | Sulphuric acid tank | 2 |
| III B 1-10-13 | Separator | 4 |
| III B 2-15-17 | Centrifugal pump | 3 |
| II A 2-21-23 | Motor for above | 3 |
| III B 2-18 | Centrifugal pump | 1 |
| II A 2-30 | Motor for above | 1 |
| | Total | 32 |

Incl

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175813

| Inventory No. | Machines and Apparatus | No. of unit |
|---|---|---|
| | (Common salt purification plant) | |
| I A 3-1 | Roof-tank for saturated brine | 1 |
| I A 3-17 | Filter press | 1 |
| I A 3-18-19 | Brine recovering tank | 2 |
| I A 3-58 | Spare Tank | 1 |
| III B 1-1 | Air compressor | 1 |
| III B 1-2 | Air receiver | 1 |
| II A 2-7 | Motor for above | 1 |
| III B 2-1 | Centrifugal pump | 1 |
| II A 2-1 | Motor for above | 1 |
| III B 2-2 | Centifugal pump | 1 |
| II A 2-2 | Motor for above | 1 |
| III B 2-3-4 | Centrifugal pump | 2 |
| II A 2-3-4 | Motor for above | 2 |
| III B 2-5 | Centrifugal pump | 1 |
| II A 2-5 | Motor for above | 1 |
| III B 2-6 | Centrifugal pump | 1 |
| II A 2-6 | Motor for above | 1 |
| | Total | 20 |
| | (Rectifying chamber) | |
| II A 6-1 | D C generator | 1 |
| II A 6-3 | D C generator | 1 |
| II A 6-2 | D C generator | 1 |
| II A 6-4 | Air circuit insulator | 1 |
| II B 1-1-3 | Transformer | 2 |
| II B 1-1-3 | Switch board | 2 |
| | Total | 8 |
| | Grand Total | 92 |

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175613

D D

Application for Conversion of Designated Reparation Plant, and Movement and Authorized use of Designated Reparation Machinery and Equipment.

TO: Ikeda Hayato
Minister of International
Trade and Industry

Feb. 25, 1950

Nissin Chemical Co., Ltd.
Kitahama, Osaka.

Dear Sir,

We take the pleasure in submitting to you herewith our application under the above subject.

Hoping that we may have the pleasure of getting your approval for the matter in due course of time,

Yours respectfully,

M. Doi

M. Doi (President)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175813

Date, Feb. 25, 1950.

TO: Ikeda Hayato
Minister of International
Trade and Industry

FROM: Nissin Chemical Co., Ltd.
(Nisshin Kagaku Kogyo K.K.)

SUBJECT: Application for Approval for Plant Conversion.

APPLICANT:

1. Trade Name: Nissin Chemical Co., Ltd.
(Nisshin Kagaku Kogyo K.K.)

2. Address: 22 5-chome, Kitahama, Higashi-ku, Osaka.

3. Name of Representative: Masaharu Doi (President)

A. Name of designated equipments and code No.:

Caustic soda plant in the Niihama Works of Nissin (Former Sumitomo) Chemical Co., Ltd.

Code No. 05 - 3

B. Location of designated equipments:

31 Otsu Niihama-shi, Ehime Pref.

C. Classification of designated equipments for reparation:

Soda Plant.

D. Name and quantity of products projected:

| | Caustic Soda | Hydrochloric acid gas |
|---|---|---|
| 1. At present | - | - |
| 2. Project | 120 T/month | 90 T/month |

Remarks: The finished product is vinyl chloride, and its monthly output is 100 T.

E. Machines and equipments designated for reparation which are additionally required for the projected production described in the preceding paragraph:

Among from the equipments designated for reparation:

Edible salt purification plant.
Electrolysis plant.
Hydrochloric acid synthesis plant.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

92 sets of movable machines and apparta from among those in the current rectifier chamber.
(As per attached list)

F. Reasons necessitating the plant conversion:

Our company has started the study on the manufacture of vinyl chloride since 1943 and now a pilot plant with the monthly capacity of 3 tons is in operation.. Thus with the research results so far obtained we have come to possess technical confidence to put the pilot plant on the industrial scale. While, we have the very favorable advantages to carry out the project as mentioned in the "Statement" below. Thus we are intending to set about the construction work of vinyl chloride plant with monthly capacity of 100 tons, in the plant building kept idle in the Kikumoto works of our company.

However, in the light of the fact that hydrochloric acid gas is an indispensable factor for the production of vinyl chloride it is of great necessity for us to secure self-produced chlorine. In such case the total caustic soda by-produced can effectively be used for self-supply, it is most desirable for us to transfer the caustic soda plant now designated for reparation to the Kikumoto Works where the production of vinyl chloride is planned, and at the same time, change the conventional diaphragm process to the mercury process which will make up the present poor capacity of the former, and your approval is earnestly solicited therefor.

Statement

I. Advantages for the vinyl chloride production.

(1) In the Kikumoto Works of our company where the construction of vinyl chloride plant is planned, a carbide plant with the monthly capacity of 600 tons is in operation at present. Those equipments can be used as they are for the production. Besides, we have a great merit in that we can use breeze coke by-produced in our Niihama Works for the manufacture of carbide.

(2) Freightage and its related expenses will be much saved as the Niihama district is in the proximity to lime mines across the Inland sea.

(3) The Kikumoto Works has the annual capacity of 25,000 tons of aluminum, out of which the equipment only for 10,000 tons is in operation. Therefore, the construction expenses will considerably be economized by converting those idle plants and equipments to that for vinyl chloride production. Particularly, electric, steam and water supplying equipments can be used as they are.

(4) It is possible to shift engineers and workers to vinyl chloride production under the present operation condition of the Kikumoto Works. And additional employment is not necessary.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175613

(5) Inasmuch as those necessary raw materials such as methanol, sulphuric acid, anhydrous ammonia are manufactured in and can be supplied from the Niihama Works, the manufacturing cost will be reduced with the least freightage and other charges.

(6) Caustic soda, by-produced in the common salt electrolysis plant can be used in the alumina plant in the Kikumoto Works.

(7) As the Niihama Works and the Kikumoto Works are respectively located at west and east side of the Niihama harbour, it is easy to exchange the technique and materials etc. which enable us to display all-round power.

II. Technique and Experience.

(1) The research work on vinyl chloride has been carried out since 1943 and a pilot plant with the monthly capacity of 3 tons is now in operation. The considerably high-polymerised products are manufactured.

(2) The manufacturing process of vinyl chloride is very similar to that of the synthetic rubber produced by us in the past, and there are many engineers well experienced in this field.

(3) As to the manufacturing equipments in connection with the above, we have many designers and mechanical engineers who are competent enough to construct them by themselves.

(4) As to the electrolysis of common salt we have its operational experience in our Niihama Works and besides the merdury process in question is operated in the Okayama Plant of our company. Thus we have every confidence on the technique in these fields.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

## Details of designated equipments to be used for this product

1. Name of designated equipment — Caustic soda plant
2. No. of machines — 156 unit
3. No. of machines now used — 14 unit
4. No. of machines to be used for the production — 92 unit

| Inventory No. | Machines and Apparatus | No. of unit |
|---|---|---|
| | Electrolysis plant | |
| I A 1-1-20 | Electrolysis Cell | 20 |
| II A 3- 20 | Hydrogen gas holder | 1 |
| II A 3-21-22 | Overhead crane | 2 |
| II A 2-14-15 | Motor for above | 2 |
| I A 3-23 | Electrolysis solution cell | 1 |
| III B 1-4 | Hydrogen gas blower | 1 |
| II A 2-8 | Motor for above | 1 |
| III B 2-7-8 | Centrifugal pump | 2 |
| II A 2-10-11 | Motor for above | 2 |
| | TOTAL | 32 |

(Hydrochloric acid plant)

| | | |
|---|---|---|
| I A 3-32 | Leading pipe | 1 |
| I A 3 - 33 | Burner | 1 |
| I A 3 - 34 | Combustion pipe | 1 |
| I A 3 - 35 | Water cooling tower | 1 |
| I A 3 - 36 | Absorption pipe | 1 |
| I A 3 - 37 | Finished product tank | 1 |
| I A 3 - 38 | Out-door tank | 1 |
| I A 3 - 39 | Waste gas absorption tower | 1 |
| I A 3 - 40 | Chlorine gas drying tower | 1 |
| II A 3-41-42 | Sulphuric acid vessel | 2 |
| I A 3 - 49 | Waste gas absorption tower | 1 |
| III B 1 - 5 | Hydrochloric acid gas blower | 1 |
| II A 2 - 20 | Motor for above | 1 |
| III B 1-6-7 | Nash pump | 2 |
| II A 2-24-25 | Motor for above | 2 |
| III B 1-8-9 | Sulphuric acid tank | 2 |
| III B 1-10-13 | Separator | 4 |
| III B 2-15-17 | Centrifugal pump | 3 |
| II A 2-21-23 | Motor for above | 3 |
| III B 2-18 | Centrifugal pump | 1 |
| II A 2 - 30 | Motor for above | 1 |
| | TOTAL | 32 |

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175613

(Common salt purification plant)

| | | |
|---|---|---|
| I A 3-1 | Roof-tank for saturated brine | 1 |
| I A 3-17 | Filter press | 1 |
| I A3-18-19 | Brine recovering tank | 2 |
| I A3-58 | Spare tank | 1 |
| III B1-1 | Air compressor | 1 |
| III B1-2 | Air receiver | 1 |
| II A2-7 | Motor for above | 1 |
| III B2-1 | Centrifugal pump | 1 |
| II A2-1 | Motor for above | 1 |
| III B2-2 | Centrifugal pump | 1 |
| II A2-2 | Motor for above | 1 |
| III B2-3-4 | Centrifugal pump | 2 |
| II A2-3-4 | Motor for above | 2 |
| III B2-5 | Centrifugal pump | 1 |
| II A2-5 | Motor for above | 1 |
| III B2-6 | Centrifugal pump | 1 |
| II A2-6 | Motor for above | 1 |
| | TOTAL | 20 |

(Rectifying chamber)

| | | |
|---|---|---|
| II A6-1 | D C generater | 1 |
| II A6-2 | Motor for generater | 1 |
| II A6-3 | D C generater | 1 |
| II A6-4 | Air circuit insulater | 1 |
| II B1-1-2 | Transformer | 2 |
| II B2-1-2 | Switch board | 2 |
| | TOTAL | 8 |
| | Grand Total | 92 |

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175613

HEADQUARTERS
SHIKOKU CIVIL AFFAIRS REGION
APO 1050

CAL/JRA/et

Takamatsu, Shikoku
21 February 1950

AG 004

SUBJECT: Authorization for Movement of Reparations Machinery

THRU: Local Liaison Office,
Ehime Prefecture

TO: Niihama Works, Nissin Chemical Co. Ltd.
31, Otsu, Niihama, Ehime Prefecture

1. Reference is made to your application dated 10 February 1950, requesting approval to move reparations machinery from the ice plant to the urea plant.

2. Approval is granted as follows:

| Plant designation & code number | Inventory No. | No. and description | Old Location | New Location |
|---|---|---|---|---|
| Plant 05-8 synthetic rubber plant | IIA1-11 to 12<br>IIA1-13 to 14 | 2 Brine Pumps<br>2 Induction Motors | Ice Plant | Urea Plant |

3. Responsibility for movement of these machines and continued custody, control and maintenance rests with your company.

FOR THE CHIEF, SHIKOKU CIVIL AFFAIRS REGION:

EHS

ERNEST H. T. SCHLINGER
Lt Colonel, CAC
Adjutant

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175613

10 February 1950

TO : Chief of Shikoku Civil Affairs Region

SUBJECT : Application Requesting Permission for Removal of "Authorized Use" Equipments of Synthetic Rubber Reparation Plant

THRU : Ehime Prefectural Liaison Office
Matsuyama, Ehime-ken

FROM : Niihama Works, Nissin Chemical Co., Ltd
31 Otsu, Niihama, Whime-ken

ATTENTION: Economic Section

1. The subject equipments of Synthetic Rubber Reparation Plant (Code No. 05-8) are as follows:

| Inventory No. | Unit | Name of Equip. | Specification |
|---|---|---|---|
| IIA1-11 to 12 | 2 | Brine Pump | ϕ 130 mm<br>Head 30 m<br>Vol. 1.5 Cu ft/min |
| IIA1-13 to 14 | 2 | Induction Motor | 20 HP<br>220 Volt<br>4 Phase<br>1,750 rpm |

The above four items of equipment are being utilized for manufacturing ice and kept under custody and control in our Ice Plant in conformity with the authorization granted by Ehime Military Government Team, APO 317, AS 004, dated 24 March 1947.

2. However, we desire to use the above equipments in order to raise the quality & quant ity of Urea production. We have been searching for a proper size pump from various sources of our Works but couldn't find no suitable one except the above items for brining and circulating the mother liquor with the capacity of twenty horse power.

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3. The responsibility for movement of these equipments from the Ice Plant to the Urea Plant and continued custody, control and maintenance will be carried by our company.

4. The removal and utilization of equipments for the above stated purpose will in no way jeopardize the equipment of reparation according to the technical stand point of view.

5. We shall be obliged if you could grant us at you earliest conventience your permission.

Respoectfully yours,

Yoshishige Harada
Director of Niihama Works,
Nissin Chemical Co., Ltd.

Incl. : Blue print illustrating the location of the Ice & Urea Plants

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

General Arrangement of Nis
Niihama Work.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 115013

Nissin Chemical Co. Ltd,

Works. The red line indicating the location of Urea & Ion. Plants

Urea Plant

Sulphuric Acid Plant

Caustic Soda Plant

Synthetic Rubber Plant

Synthetic Rubber Pilot Plant

Appendix No. K-2

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

Request for none Equipment from Warehouse
To DC converter house

List of Dead Storaged Machineries to be Removed

Formal request will be Submitted, in the meantime verbal approval has been granted by Mr. Jan 11.50

Caustic Soda Plant (Code No.05 - 3)

| Inventory No. | Name of Equipment | Unit |
|---|---|---|
| IIA2 - 1 to 2 | Motor for Centrifugal Pump | 2 |
| IIA2 - 3 to 4 | Motor for Centrifugal Pump | 2 |
| IIA2 - 5 to 6 | Motor for Centrifugal Pump | 2 |
| IIA2 - 8 | Motor for Hydrogen Gas Pump | 1 |
| IIA2 - 10 to 11 | Motor for Centrifugal Pump | 2 |
| IIA2 - 12 to 13 | Motor for Stock Solution | 2 |
| IIA2 - 16 to 18 | Motor for Centrifugal Pump | 3 |
| IIA2 - 20 | Motor for $Cl_2$ Fan | 1 |
| IIA2 - 21 to 23 | Motor for $Cl_2$ Gas Drying Tower | 3 |
| IIA2 - 26 | Motor for Compressor | 1 |
| IIA2 - 30 | Motor for Waste-Gas Absorbing Tower | 1 |
| | Total | 20 |

Synthetic Rubber Plant (Code No.05 - 8)

| Inventory No. | Name of Equipment | Unit |
|---|---|---|
| IH1 - 6 to 9 | 5HP Motor | 4 |
| IH1 - 35 | 5HP Motor | 1 |
| IH1 - 37 | 3HP Motor | 1 |
| IH1 - 43 to 46 | 2HP Motor | 4 |
| IH1 - 50 | ½HP Motor | 1 |
| IH3 - 22 | 2HP Motor | 1 |
| II1 - 9 to 12 | 5HP Motor | 4 |

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| Inventory No. | Name of Equipment | Unit |
|---|---|---|
| II1 - 15 | 5HP Motor | 1 |
| II1 - 29 to 30 | 2HP Motor | 2 |
| II1 - 32 | 2HP Motor | 1 |
| II1 - 34 | 2HP Motor | 1 |
| II1 - 40 | ½HP Motor | 1 |
| II2 - 16 | 2HP Motor | 1 |
| II4 - 6 | 7.5HP Motor | 1 |
| IJ1 - 3 to 4 | 15HP Motor | 2 |
| IJ1 - 8 | 2HP Motor | 1 |
| IJ1 - 12 | 7.5HP Motor | 1 |
| IJ1 - 18 | ½HP Motor | 1 |
| IJ4 - 10 | 2HP Motor | 1 |
| IJ4 - 13 to 14 | 1HP Motor | 2 |
| IJ4 - 38 to 40 | 2HP Motor | 3 |
| IK1 - 7 to 9 | 5HP Motor | 3 |
| IK1 - 54 | 2HP Motor | 1 |
| IK1 - 64 to 66 | 3HP Motor | 3 |
| | Total | 42 |
| | Grand Total | 62 |

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175613

14 February 1950

SUBJECT : Application Concerning Permit for Reconversion of Reparation Plant.

TO : Heitaro Inagaki Esq.
Minister of Trade & Industry

FROM : Nihama Works, Nissin Chemical Co., Ltd.
31 Otsu, Niihama, Ehime-ken

1. Name of the designated plant

Caustic Soda Plant (Code No. 05-3).
Niihama Works, Nissin (former Sumitomo) Chemical Co., Ltd.

2. Location of the plant

31 Otsu, Niihama, Ehime-ken:

3. Name of products planned

Hydrochloric Acid Gas .... is the product planned in this plant, however, it will be utilized as a raw material for vinyl chloride production.

Caustic Soda ..... is produced during the electrolysis process.

4. Experience of the production planned

The operation for the manufacture of caustic soda and hydrochloric acid has been carried out during the period from June 1943 to July 1946.

5. 1939 - 1945 production

| Product / Year | Caustic Soda (40%) | Hydrochloric Acid (35%) |
|---|---|---|
| 1943 | 176,008 Kg | 196,130 Kg |
| 1944 | 583,706 | 357,510 |
| 1945 | 179,176 | 156,240 |
| 1946 | 41,740 | 63,909 |

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

6. Period of desired permission

From the date of permission until the date of removal for reparation

7. Scale of production planned by months for the period on this application

| | | |
|---|---|---|
| Chlorine (Generative Capacity) | : | 120 Ton/Month |
| Hydrochloric Acid Gas (Generative Capacity by treating total generated chlorine) | : | 102 Ton/Month (100% concentration) |
| Caustic Soda | : | 108 Ton/Month (100% concentration) |
| Vinyl Chloride as final product (By utilizing 102 Ton/Month of Hydrochloric Acid Gas as raw material) | : | 100 Ton/Month |

8. Name or Location to which products are to be delivered

Hydrochloric Acid Gas:
Will be used as a raw material for producing vinyl chloride in Kikumoto Works, Nissin Chemical Co., Ltd.

Caustic Soda:
Will be all for domestic consumption such as for alumina manufacturing in Kikumoto Works and for hydro-electrolysis, purification of gas in oxygen plant and tar refining in Niihama Works.

9. Scale of proposed changes in physical facilities

The designated Caustic Soda Plant in question consists of those installations such as Salt Refining, Electrolysis, Caustic Soda Concentration, Liquid Chlorine, Hydrochloric Acid, Power Conversion. But the facilities of Caustic Soda Concentration and Liquid Chlorine out of those will not be used for the manufacture of Vinyl Chloride.
All the removable equipments which we desire to use (listed in the attached sheet) will be removed and erected in a vacant building of our Kikumoto Works (Kikumoto-cho, Shinsuga, Niihama, Ehime-ken) where now producing aluminum carbide, locating 4 KM by land and 2 KM by sea of the Niihama Works.
No substantial changes will be made to the equipments except the electrolytic cell will be converted to mercury method from the present diaphragm method.
Due to the conversion of the method, some equipments will be newly installed in order to increase the capacity of Hydrochloric Acid facilities.

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10. Intended expense for reconversion

| | | |
|---|---|---|
| Removal | : | 700,000 |
| Repair & Remodelling | : | ¥ 10,120,500 |
| Installation, Piping, Wiring & Foundation | : | ¥ 715,000 |
| Total | : | ¥ 11,535,000 |

11. Plan to continue the production after reparations removal:

It is intended to continue this production by newly installing the necessary equipments after reparations removal.
Such being the situation, we solicit you to give immediate permission to this applied conversion.

Y. Harada
Yoshishige Harada

Custodian of Nihama Works,
Nissin Chemical Co., Ltd.

Incl : 1. Name of Equipments Desired to Utilize
2. Number of Employees
3. Blue Print ... Arrangement of Caustic Soda Plant
4. Blue Print ... Illustration of Present & New Location for Caustic Soda Plant

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## Number of Employees

### Caustic Soda Plant (Code No. 05-3)

| | Laborer | Engineer | Clerk | Total |
|---|---|---|---|---|
| Present No. of Personnel | 0 | 0 | 0 | 0 |
| No. of Personnel to be Increased or Decreased for this manufacturing | Shift of Working Place 50 | 7 | 3 | 60 |
| Total | 50 | 7 | 3 | 60 |

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## Name of Equipments Desire to Utilize

Name of Plant : Caustic Soda Plant (Code No. 05-3)
Total Number of Equipments: 156
Number of Utilizing Equipments : 14
Required Number for this Plan : 92

(Electrolytic Soda Plant)

| Inventory No. | Name of Equipment | Unit |
|---|---|---|
| IA1- 1 to 20 | Electrolytic Cells | 20 |
| IA3-20 | Hydrogen Gas Holder | 1 |
| IA3-21 to 22 | Crane | 2 |
| IIA2-14 to 15 | Motor | 2 |
| IA3-23 | Electrolyte Tank | 1 |
| IIB1- 4 | Hydrogen Gas Blower | 1 |
| IIA2- 8 | Motor | 1 |
| IIB2- 7 to 8 | Centrifugal Pump | 2 |
| IIA2-10 to 11 | Motor | 2 |
| | T o t a l | 32 |

(Hydrochloric Acid Plant)

| Inventory No. | Name of Equipment | Unit |
|---|---|---|
| IA3-32 | Ducting Pips | 1 |
| IA3-33 | Burner | 1 |
| IA3-34 | Combustion Tube | 1 |
| IA3-35 | Water-Cooling Tower | 1 |
| IA3-36 | Absorbing Tower | 1 |
| IA3-37 | Product Reservoir | 1 |
| IA3-38 | Head Tank | 1 |
| IA3-39 | Waste-Gas Absorbing Tower | 1 |
| IA3-40 | $Cl_2$-Gas Drying Tower | 1 |

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| | | |
|---|---|---|
| IA3-41 to 42 | Sulphuric Acid Pot | 2 |
| IA3-49 | Waste-Gas Absorbing Tower | 1 |
| IIB1- 5 | Fan for $Cl_2$ Gas | 1 |
| IIA2-20 | Motor | 1 |
| IIB1- 6 to 7 | Nash Pump | 2 |
| IIA2-24 to 25 | Motor | 2 |
| IIB1- 8 to 9 | Sulphuric Acid Tank | 2 |
| IIB1-10 to 13 | Separator | 4 |
| IIB2-15 to 17 | Centrifugal Pump | 3 |
| IIA2-21 to 23 | Motor | 3 |
| IIB2-18 | Centrifugal Pump | 1 |
| IIA2-30 | Motor | 1 |
| | T o t a l | 32 |

(Salt Refining Plant)

| Inventory No. | Name of Equipment | Unit |
|---|---|---|
| IA3- 1 | Head Tank of Saturated Sol. | 1 |
| IA3-17 | Filter Press | 1 |
| IA3-18 to 19 | Recovered Salt Sol. Tank | 2 |
| IA3-58 | Spare Tank | 1 |
| IIB1- 1 | Air Compressor | 1 |
| IIB1- 2 | Air Receiver | 1 |
| IIA2- 7 | Motor | 1 |
| IIB2- 1 | Centrifugal Pump | 1 |
| IIA2- 1 | Motor | 1 |
| IIB2- 2 | Centrifugal Pump | 1 |
| IIA2- 2 | Motor | 1 |

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| | | |
|---|---|---|
| IIIB2- 3 to 4 | Centrifugal Pump | 2 |
| IIA2- 3 to 4 | Motor | 2 |
| IIIB2- 5 | Centrifugal Pump | 1 |
| IIA2- 5 | Motor | 1 |
| IIIB2- 6 | Centrifugal Pump | 1 |
| IIA2- 6 | Motor | 1 |
| | T o t a l | 20 |

(Power Equipment)

| Inventory No. | Name of Equipment | Unit |
|---|---|---|
| IIA6- 1 | D.C. Generator | 1 |
| IIA6- 2 | Motor for Generator | 1 |
| IIA6- 3 | D.C. Generator | 1 |
| IIA6- 4 | Air Circuit Breaker | 1 |
| IIB1- 1 to 2 | Transformer | 2 |
| IIB2- 1 to 2 | Switch Boards | 2 |
| | T o t a l | 8 |
| | Grand Total | 92 |

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Illustration of Present & New Locati

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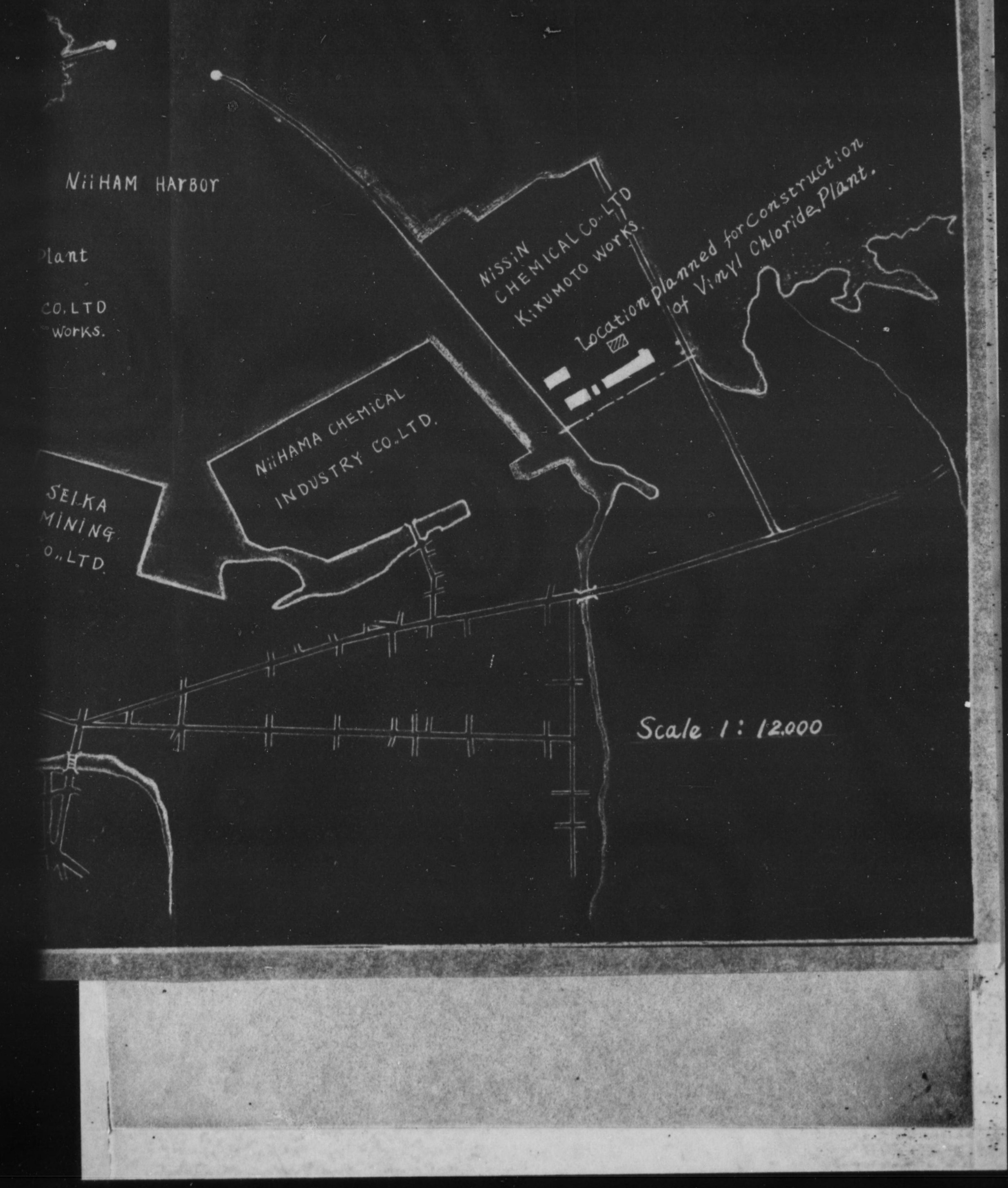
Present & New Location for Caustic Soda Plant.



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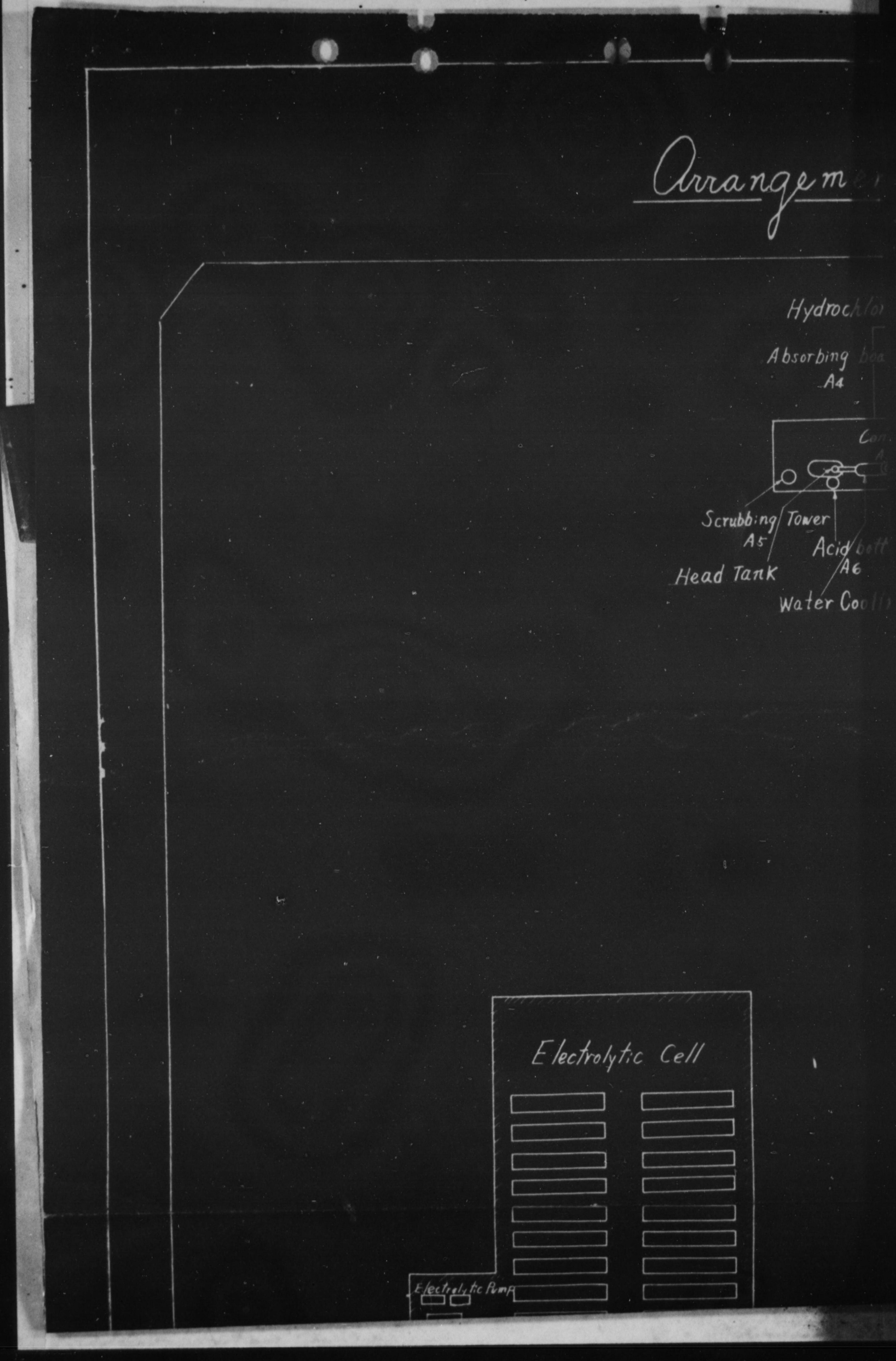

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# Arrangement of Caustic Soda Plant.

Code No. 05-3

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# Caustic Soda Plant.

Code no. 05-3

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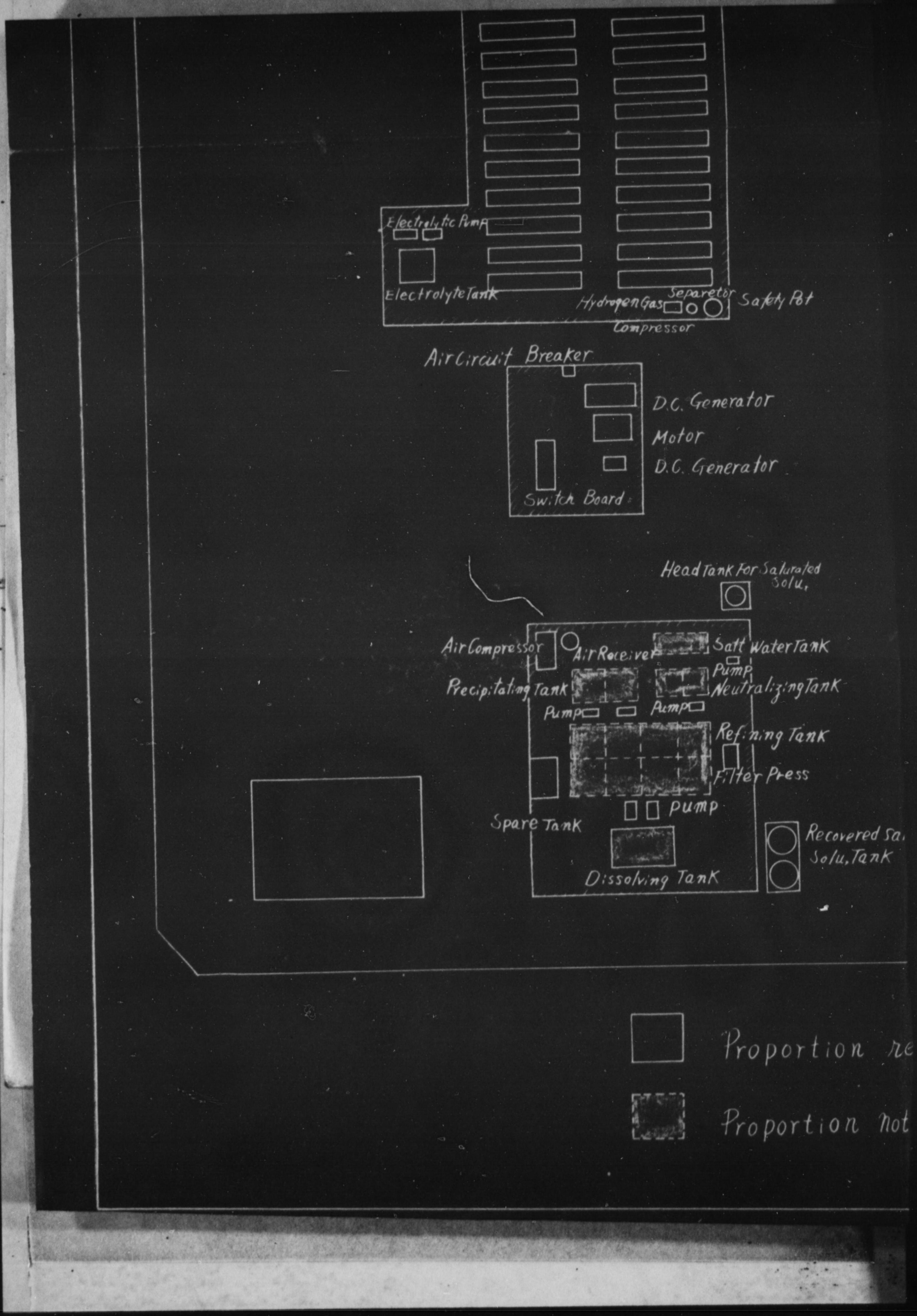

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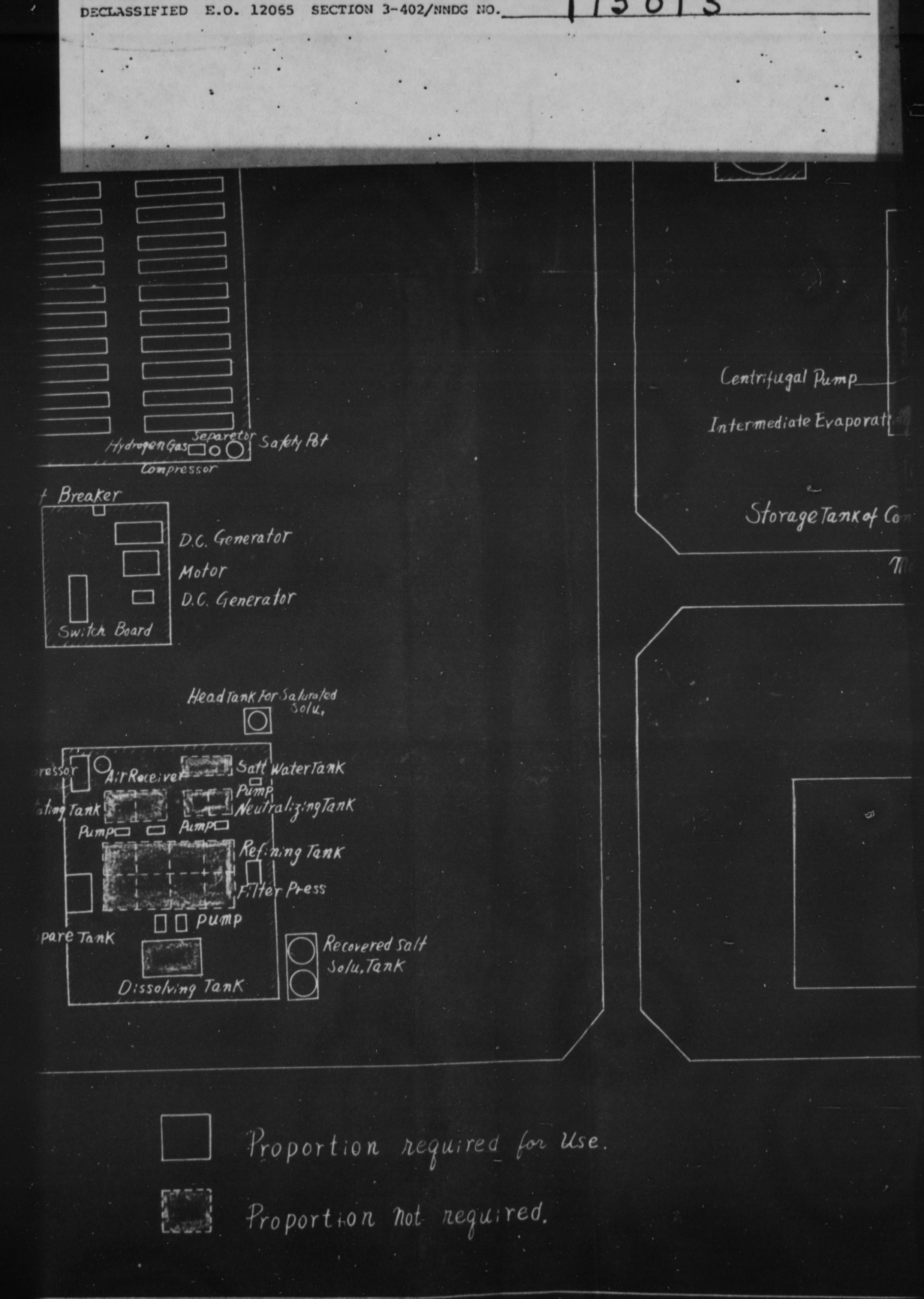

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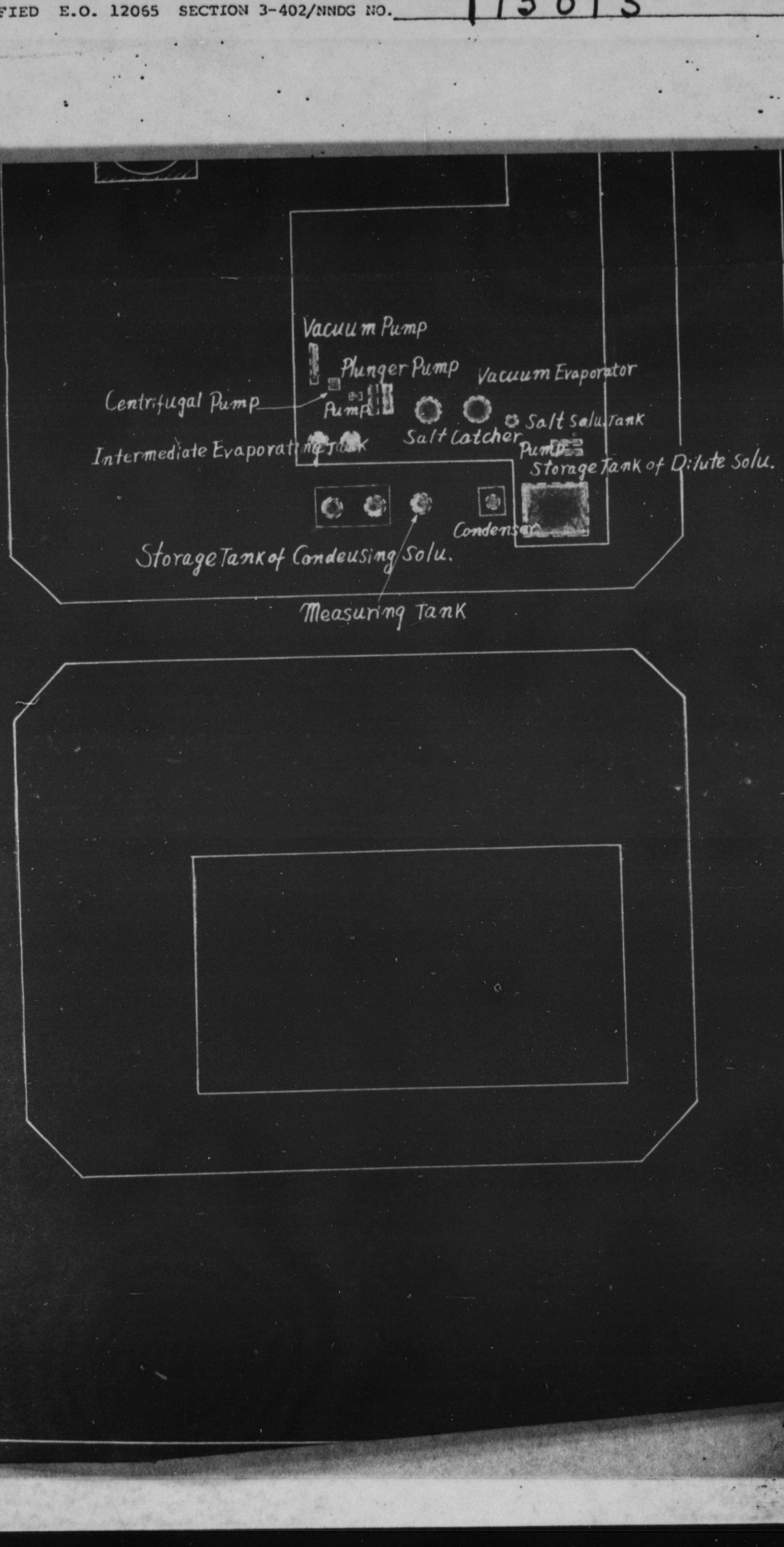


for Use.

red.

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HEADQUARTERS
SHIKOKU CIVIL AFFAIRS REGION
APO 1050

JRA/CAI/st

AG 004

Takamatsu, Shikoku
29 December 1949

SUBJECT: Release from Reparations Custody of Liquid Chlorine Building, Caustic Soda Plant

THRU: Local Liaison Office,
Ehime Ken

TO: Nissin Chemical Co., Ltd.,
31 Otsu, Niihama

1. Reference is made to application of your company dated 21 December 1949, requesting authorization to use the liquid chlorine building for production of plasticiser in connection with exprimentation on vinyl chloride.

2. Approval is granted for use of the building for the purpose requested subject to the following conditions:

a. Movement of reparations equipment now located in the liquid chlorine building to the hydrochloric acid building will in no way jeopardize custody and control as outlined in SCAPIN 1129, 13 August 1946.

b. Necessary precautions are taken to insure equipment is not damaged in the process of moving.

c. Expense involved in movement is borne by your company.

3. Report will be made to this headquarters upon completion of removal.

Incl: Appl, Nissin Chemical Co,
dtd 21 Dec. 1949

L. E. TOOLE
Colonel, Inf.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

OCO OCO

21 Dec. 1949

TO : Commanding Officer, Shikoku Civil Affairs Region
APO 1050 U.S. Army Takamatsu, Kagawa-ken

SUBJECT : Requesting Exemption of Liquid Chlorine Building of Caustic Soda Plant from Reparation Designation

FROM : Niihama Works, Nissin Chemical Co., Ltd.
31 Otsu, Niihama, Ehime-ken

Attention to: Chief of Economic Section

1. Since the designation of Caustic Soda Plant in conformity with SCAPIN 1129, dated 13 Aug. 1946, the plant has been kept in dead storage under custody and perfect maintenance.

2. The Caustic Soda Plant consist of Salt Refining; Electrolytic Cell; Caustic Soda Concentration; Liquid Chlorine; Hydro-Chloric Acid and DC Converter buildings.

3. However, we are requesting for your approval to utilize the building of Liquid Chlorine only, for the purpose of producing "Plasticiser" on an experimental basis. As the plasticiser is an essential element for Vinyl Chloride production, we intend to exert our utmost effort to make success in its experimentation so that will enable us to materialize the plan of 100 ton/month Vinyl Chloride manufacturing in the future.

4. The structure and construction material of the Liquid Chlorine building are as follows:

I. Main building ..... 265.72 sq.m.
Bldg. area.....
Height of eaves .... 6.15 m
Length .....18.2 m
Width .....14.6 m

..... 39.6 sq.m.
Stage area .....
Height .....3.5 m
Length ..... .....7.2 m
Width ..... 5.5 m

Construction Material
Floor ..... Concrete
Wall ..... Wave-like slate
Roof ..... "
Stage ..... Concrete deck with wooden floor.

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II. Attached building

| | | |
|---|---|---|
| Bldg. area ..... | | 40.25 sq.m. |
| Height of eaves .... | 2.35m | |
| Length ..... | (Max. 7.5 m | |
| | (Min. 5.6 m | |
| Width ..... | (Max. 6.0 m | |
| | (Min. 3.5 m | |

Construction Material
Wall..... Wood
Roof..... Wave-like slate
Total of Floor Area ..... 345.57 sq.m.

5. We are also requesting for your approval to transfer the equipments of this building (listed in attached "incl. 1") to the Hydro-Chloric Acid building locating 5 meters west of the subject building (refer to attached "incl. 2").

6. This will in on way jeopardize the custody and maintenance to transfer the equipments of reparation to another building from technical standpoint, and it would be a matter of deepest gratitude on our side if we be favored by your immediate answer.

Yours respectfully,

Y. Harada
Yoshishige Harada

Director of Niihama Works,
Nissin Chemical Co., Ltd.

3 - Incls: 1. List of Reparation Equipments
2. Arrangement of Caustic Soda Plant
3. Structure of Liquid Chlorine Bldg.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175615

OCD OCD

## List of Reparation Equipments

| Inventory No. | Name of Equipment | Unit |
|---|---|---|
| IA3-39 | Waste-Gas Absorbing Tower | 1 |
| IA3-40 | $Cl_2$-Gas Drying Tower | 1 |
| IA3-41 to 42 | Sulphuric Acid Pot | 2 |
| IA3-43 | Drain Separator | 1 |
| IA3-44 | Pre-Cooler | 1 |
| IA3-45 to 46 | $Cl_2$-Condenser | 2 |
| IA3-47 to 48 | Product Tank | 2 |
| IA3-49 | Waste-Gas Absorbing Tower | 1 |
| IIA2-21 to 23 | Switch for $Cl_2$ Gas Drying Tower | 3 |
| IIA2-24 to 25 | Switch for Nash Pump | 2 |
| IIA2-26 | Switch for Compressor | 1 |
| IIA2-30 | Switch for Waste-Gas Absorbing Tower | 1 |
| IIIB1- 6 to 7 | Nash Pump | 2 |
| IIIB1- 8 to 9 | Sulphuric Acid Tank | 2 |
| IIIB1-10 to 13 | Separator | 4 |
| IIIB1-14 | Air Compressor | 1 |
| IIIB1-15 | Air Cooler | 1 |
| IIIB1-16 | Air Dryer | 1 |
| IIIB2-15 to 16 | Pump | 2 |
| IIIB2-17 to 18 | Pump | 2 |
| | T o t a l | 33 |

Remark: Thirty Three (33) items of equipments are requested to be transfered from Liquid Chlorine bldg. to Hydro-Chloric Acid bldg.

incl. 1

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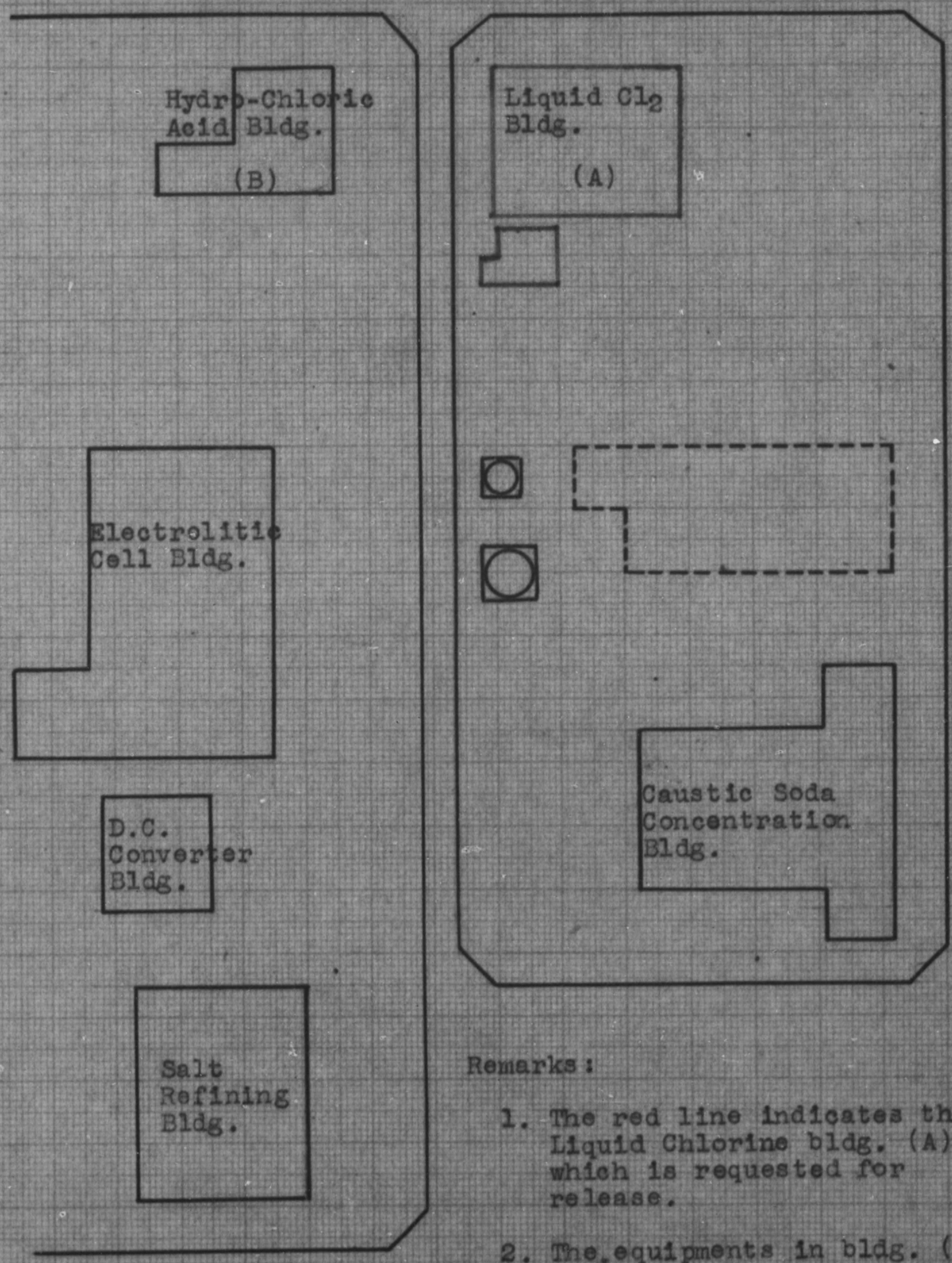
# Arrangement of Caustic Soda Plant




Remarks:

1. The red line indicates the Liquid Chlorine bldg. (A) which is requested for release.

2. The equipments in bldg. (A) are desired to be transfered to bldg. (B).

incl. 2

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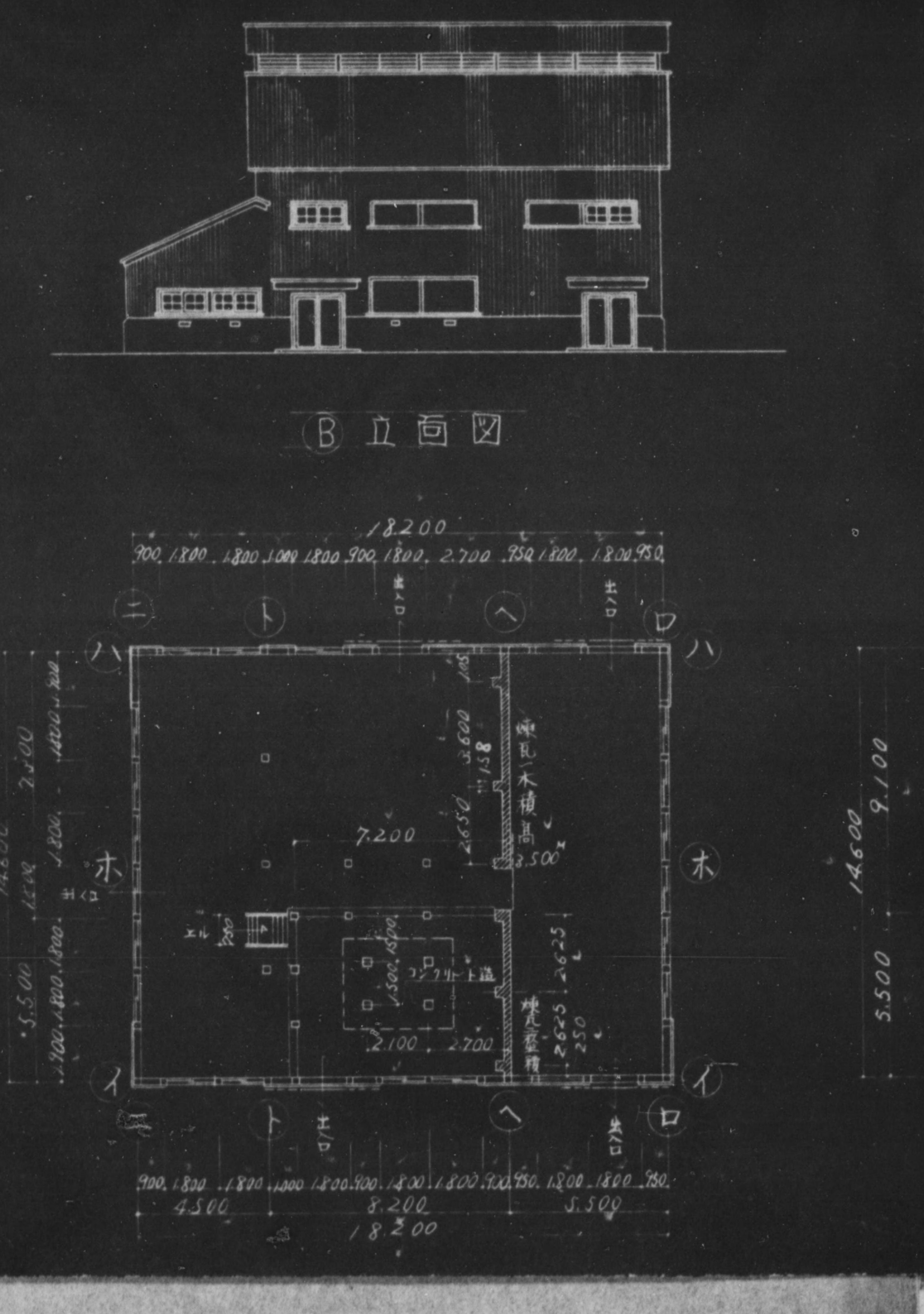
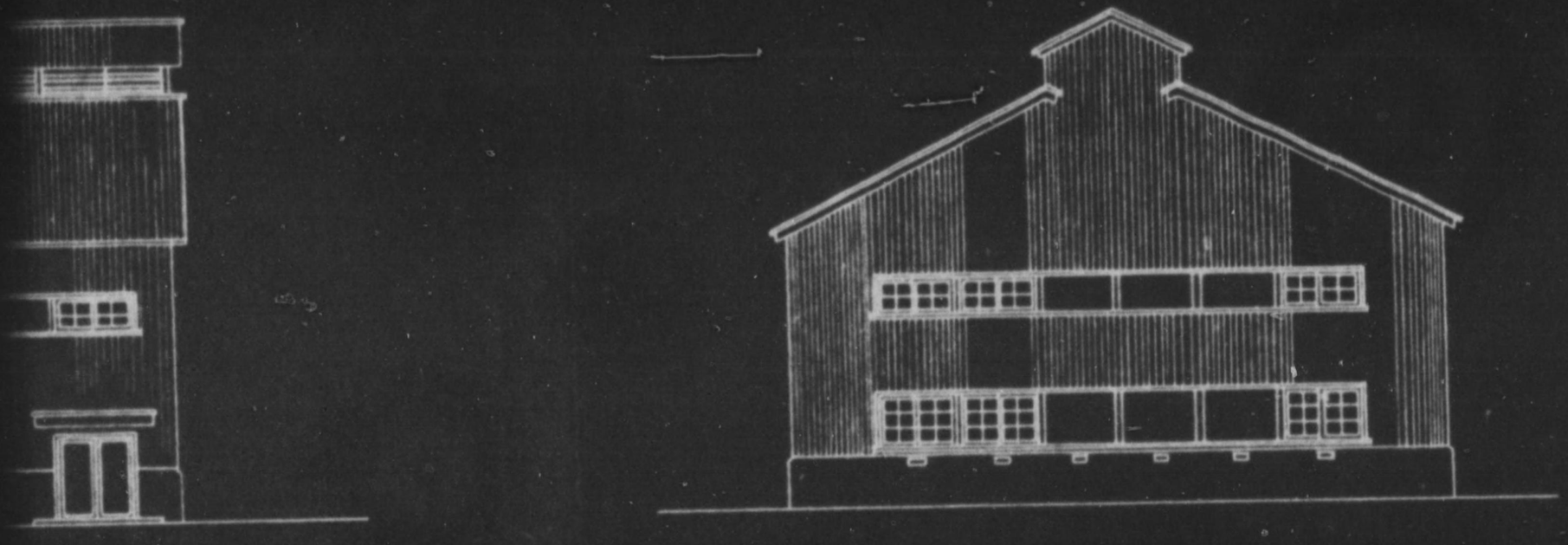
Incl. 3

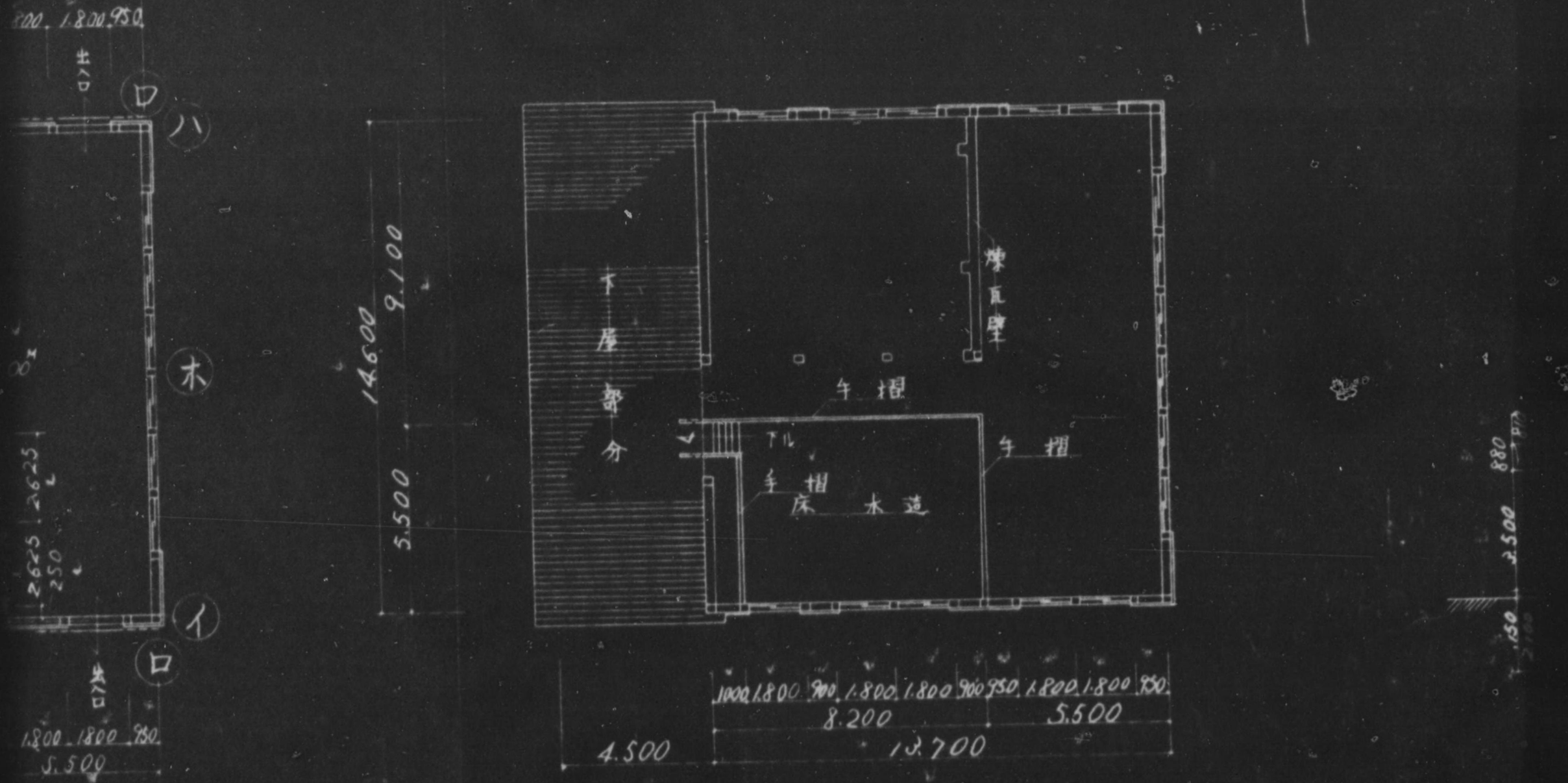


DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175813

# Structure of Liquid Chlori



A 立面図



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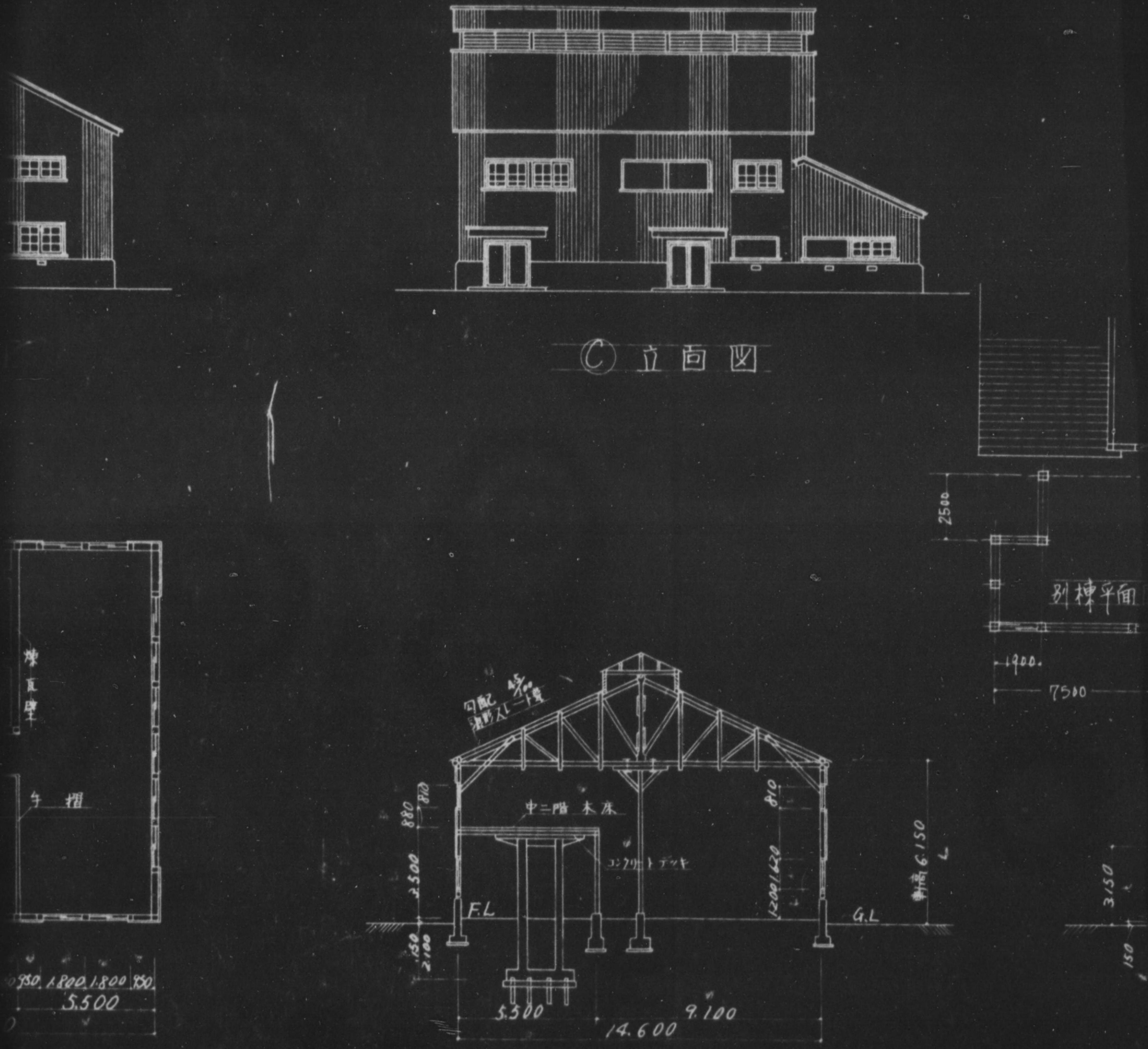
# of Liquid Chlorine Bldg.




Ⓒ 立面図

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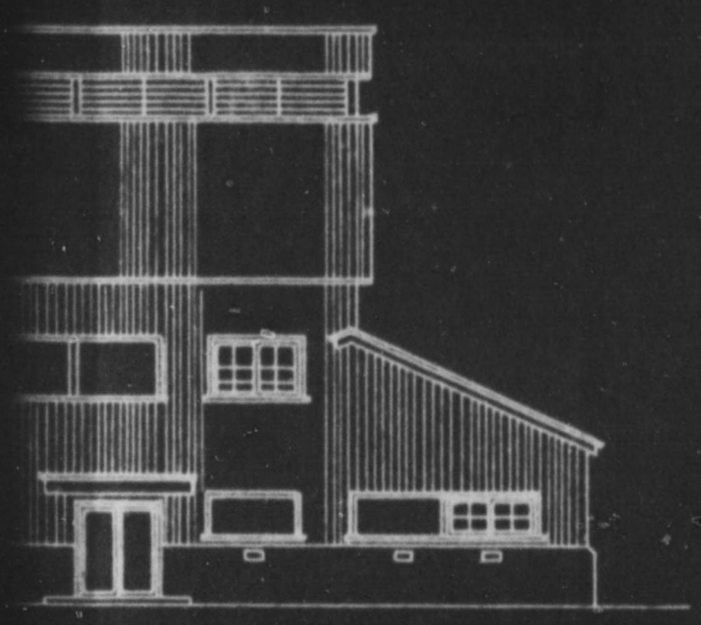
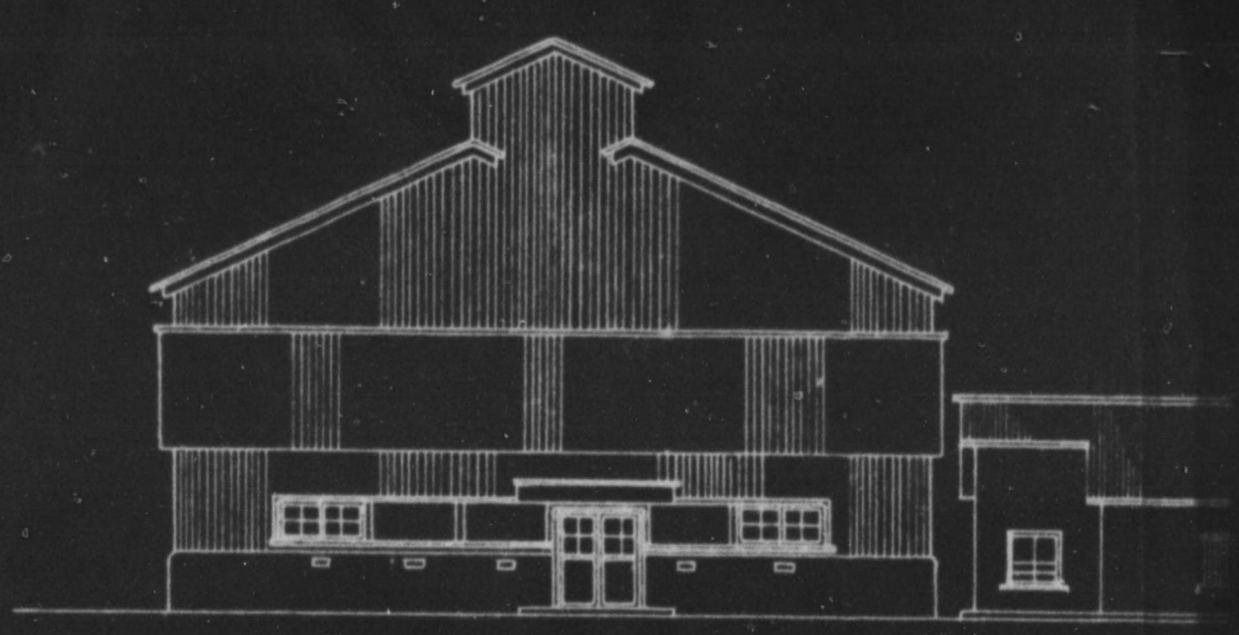


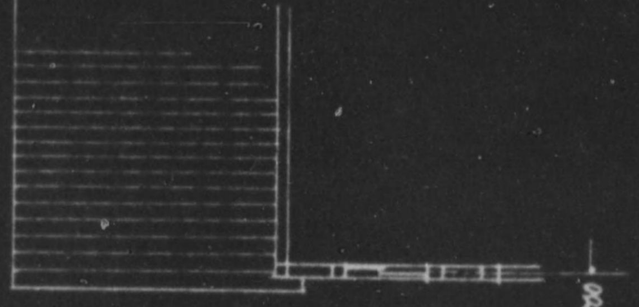
立面図



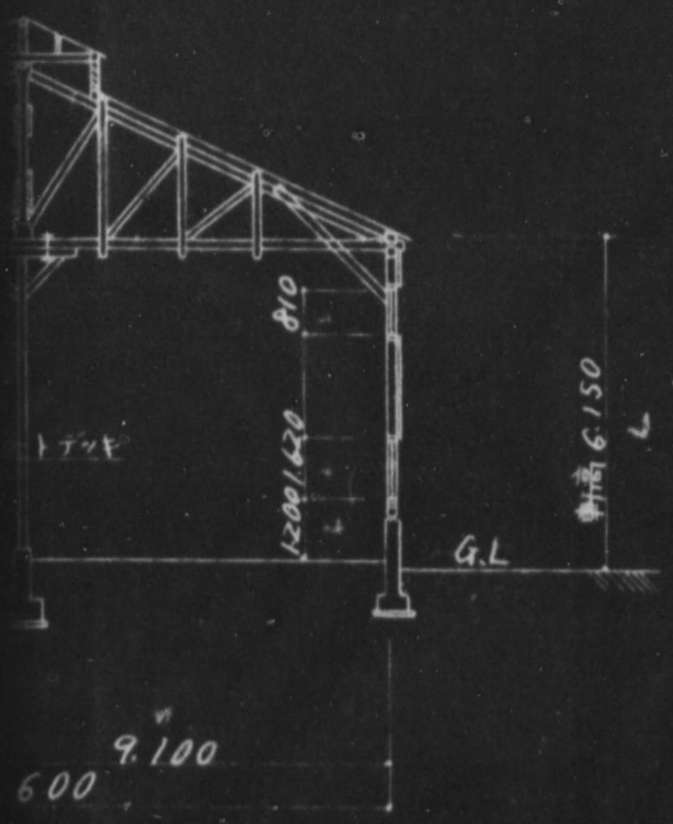
Ⓓ立面図

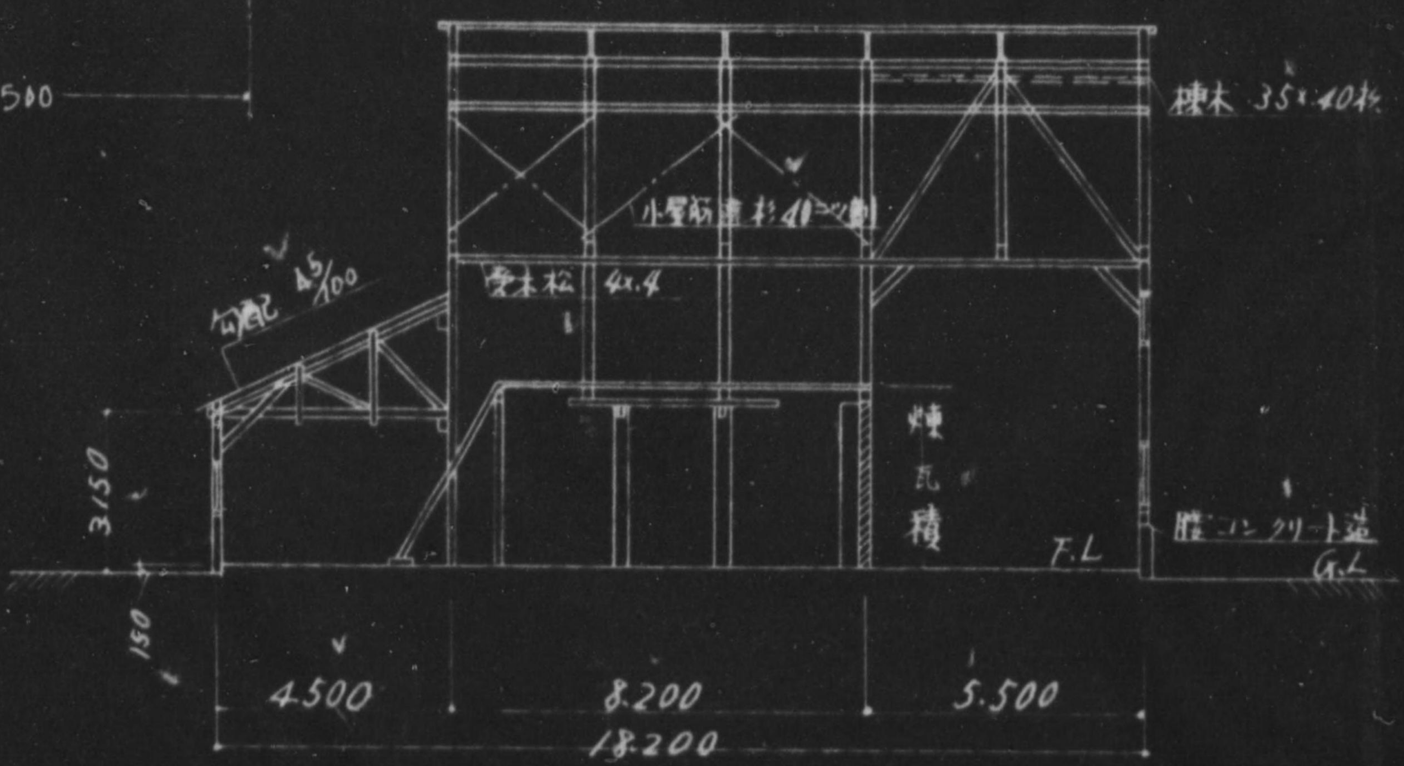
別棟

別棟側面図



別棟平面図



DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

エチクロ
起業
夜体塩素工場
新築工事

一般図
面積 仕上 軸組表

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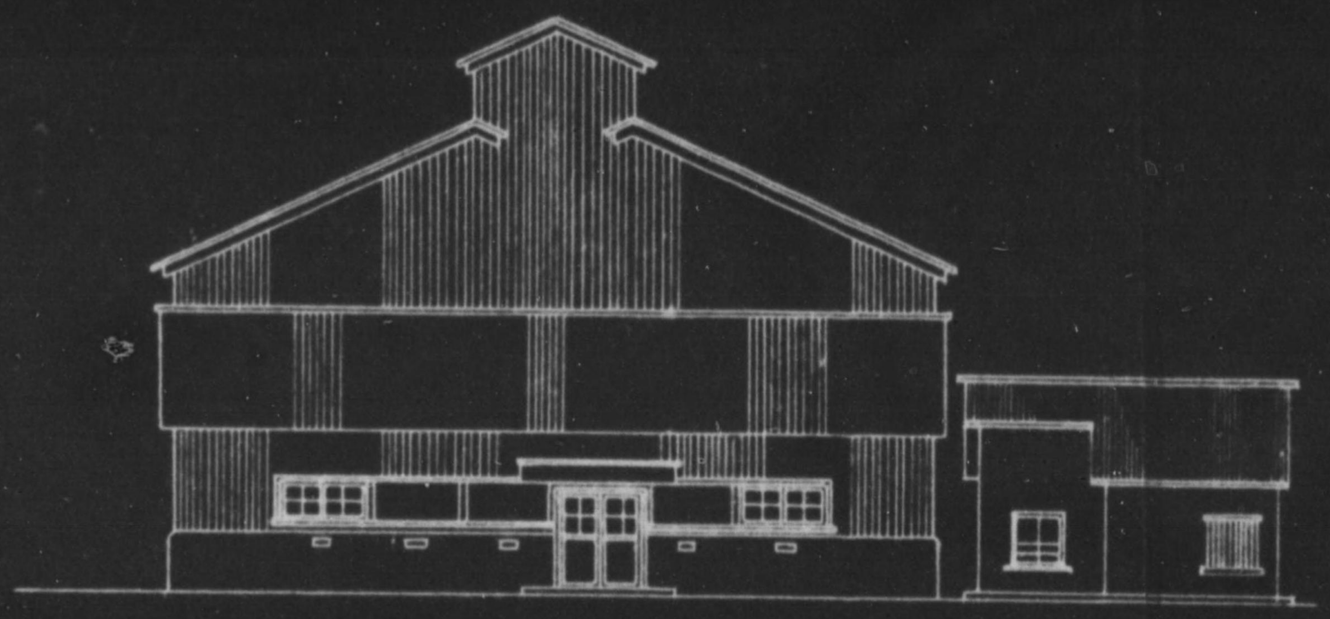
CHE-17-21



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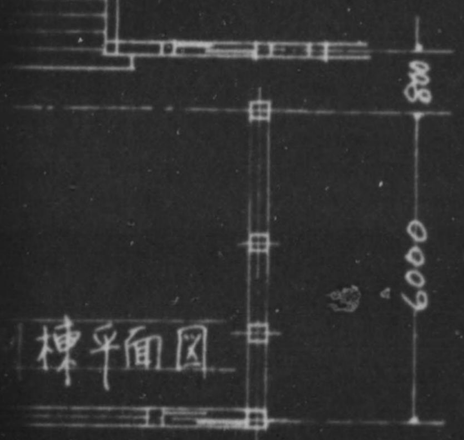

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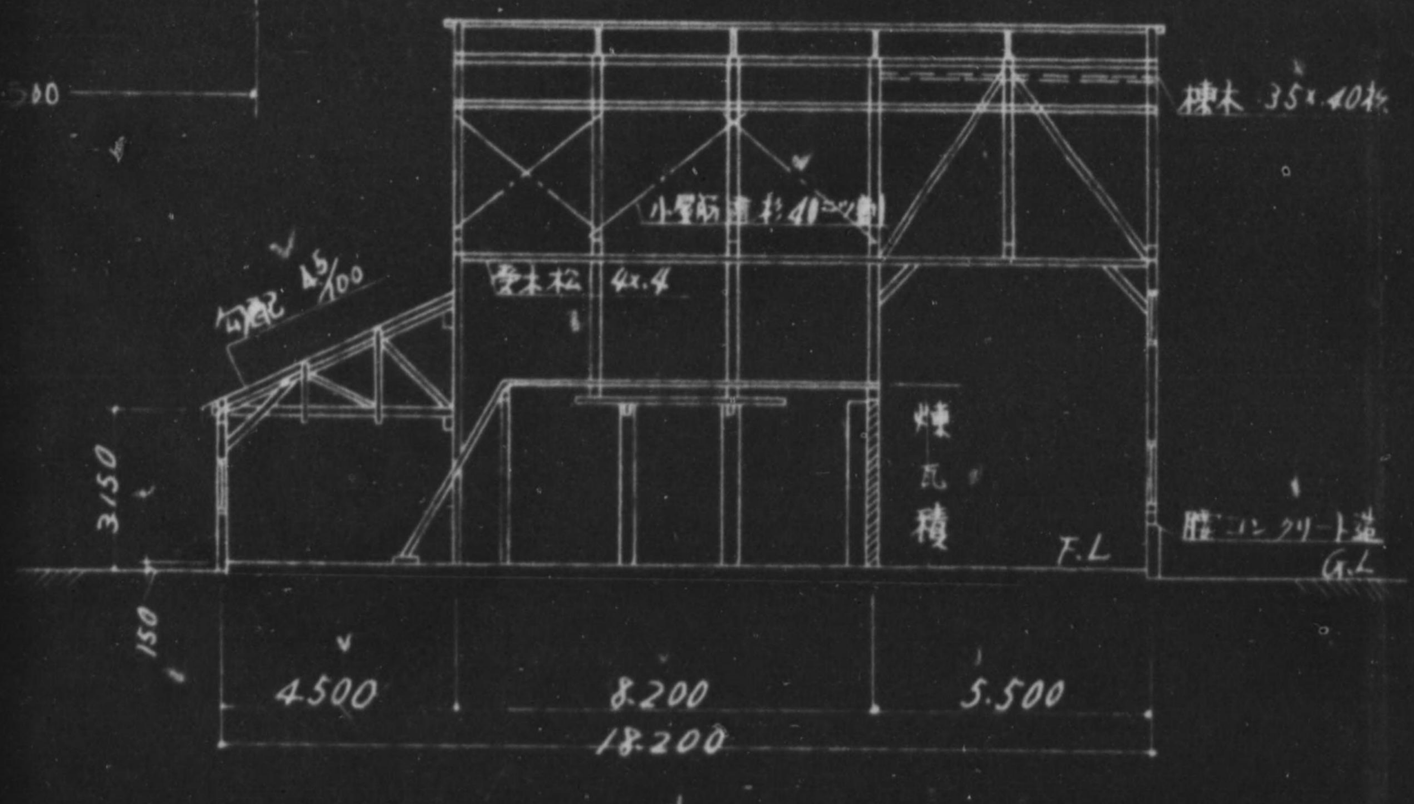

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 13013

Policy

EHIME MILITARY GOVERNMENT TEAM
APO 1050, U. S. ARMY

DEM/REK/ms

24 June 1949

SUBJECT: List of "Temporary Use" Reparation Machinery

TO : Commanding General, Eighth Army
APO 343, U. S. Army

THROUGH: Commanding Officer, Shikoku Military Government Region
APO 1050, U. S. Army

1. Reference, telephone conversation between Mr. Dresser of I Corps, and Sgt. 1/c1 Sivak of Shikoku Military Government Region Headquarters (Time : 10:30, Date: 20 June 1949). The following report listing reparation machines in temporary use is submitted:

2. a. Ozuda Seisakusho, Tachibana Kojo (Code No. 05-7):

(1) 05-7-204
(2) 05-7-205

b. Caustic Soda Plant (Code No. 05-3):

(1) 05-3-IA3-50
(2) 05-3-IA3-51
(3) 05-3-IA3-52
(4) 05-3-IA3-53
(5) 05-3-IA3-54
(6) 05-3-IA3-55
(7) 05-3-IA3-56
(8) 05-3-IA3-57
(9) 05-3-IIA2-27
(10) 05-3-IIA2-28
(11) 05-3-IIA2-29
(12) 05-3-IIIA1-17
(13) 05-3-IIIA1-18
(14) 05-3-IIIA2-19

c. Synthetic Rubber Plant (Code No. 05-8):

(1) 05-8-IIA1-3
(2) 05-8-IIA1-8
(3) 05-8-IIA1-11
(4) 05-8-IIA1-12
(5) 05-8-IIA1-13
(6) 05-8-IIA1-14

In file

FOR THE COMMANDING OFFICER:

REGINALD B. KEATING
Major, Infantry
Adjutant

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 115015

(O) (O) General

EUCOM MILITARY GOVERNMENT TEAM
APO 1050, U. S. ARMY

DMH/REK/ms

17 June 1949

SUBJECT: Report on Reparations

TO : Commanding General, I Corps
APO 301, U. S. Army

THROUGH: Commanding Officer, Shikoku Military Government Region
APO 1050, U. S. Army

1. In compliance with 1st Ind. to basic letter, Hqs. Eighth Army, dated 3 May 1949, subject: "Transmittal of Field Trip Reports", the following report is hereby submitted.

2. Reference, Field Liaison Officer's Inspection Report (Incl. 1 to basic letter referred to in para. 1 above).

a. Para. 3a (4): Further investigation showed that the three transformers at Osaka Seisakusho were installed in last part of 1938. were latter

b. Para. 3b (3): The reparations sign at the entrance of the Nippon Kassoden #05-04 (pow) has been repainted.

c. Para. 3c (1): The reparation equipment in this plant is not thought to be in any jeopardy and it does not seem necessary to put buildings back under custody.

d. Para. 3c (5): Authorization was given for reparations equipment in dead storage, and those in authorized use, to be maintained outside of reparations buildings in this plant.

e. Para. 3c (6): Items (#XH3-4 through 6) of synthetic rubber plant, was removed from reparations list as they were erroneously marked.

f. Para. 3a (6), 3b (1), 3c (3): A study of the personnel employed in reparations plants resulted in a reduction of above 43% of employees.

FOR THE COMMANDING OFFICER:

REINHALD B. KRATKE
Major, Infantry
Adjutant

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

EHIME MILITARY GOVERNMENT TEAM
APO 1050, U. S. ARMY

DWM/RBK/ms

5 January 1949

SUBJECT: Report on Reparations

TO : Commanding General, I Corps
APO 301, U. S. Army

THROUGH: Commanding Officer, Shikoku Military Government Region
APO 1050, U. S. Army

1. In compliance with para. 3, Shikoku Military Government Region Daily Bulletin, dated 24 December 1948, the following information is submitted.

2. The installations listed below are designated for reparations, of which only one (1) is a non-integrated plant.

a. Non-integrated.

(1) Okada Tekkosho, Tachibana, Matsuyama-shi (Mun.) 05-07:

Class #1 - 58 No. of machines in authorized use - 97
Class #2 - 95
Class #3 - 4
Total:- 157

There are 82 items of equipment marked for evaluation purposes by Japanese Evaluation Committee in addition to those listed above.

b. Integrated.

(1) Nisshin Kagaku, Ni'hama-shi (Caustic Soda) 05-03:

No. of items marked for reparations - 156

(2) Nippon Hassoden K.K., Saijo Kojo, Kitagawa, Saijo-shi (Power) 05-04:

No. of items marked for reparations - 78

ECONOMIC SECTION
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(3) Nisshin Kagaku, Niihama-shi (Sulphuric Acid) 05-02:

No. of items marked for reparations - 154

(4) Nisshin Kagaku, Niihama-shi (Rubber) 05-08:

No. of items marked for reparations - 485

(5) Omishima (Oil Storage) 05-12:

No. of items listed for reparations - 181

Also 18,660 meters of 3", 6", 8", 9", 10" and 12" Pipe.

Grand Total (items) of Ehime Prefecture - 1,233
Total Length of Pipe - 18,660 m.

FOR THE COMMANDING OFFICER:

REGINALD B. KEATING
Major, Infantry
Adjutant

ECONOMIC SECTION
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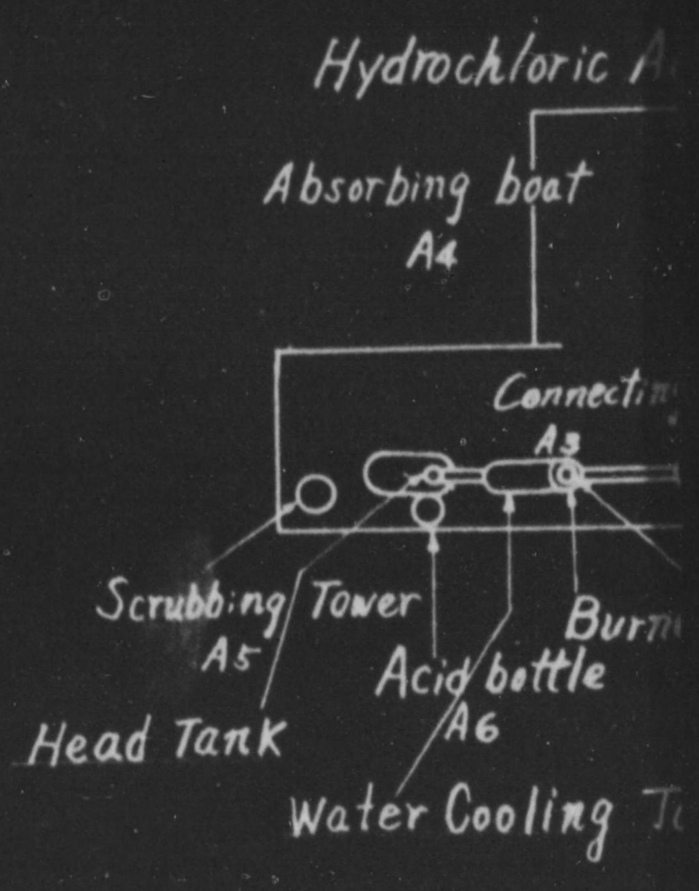
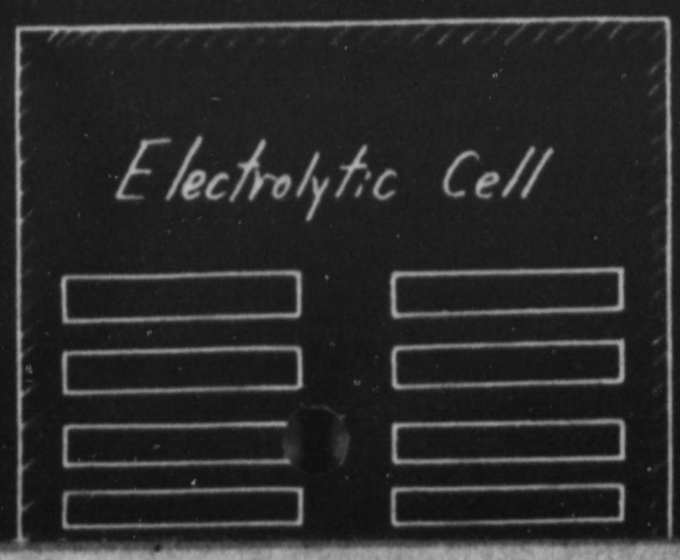
# Arrangement



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# Caustic Soda Plant.

Code no, 05-3

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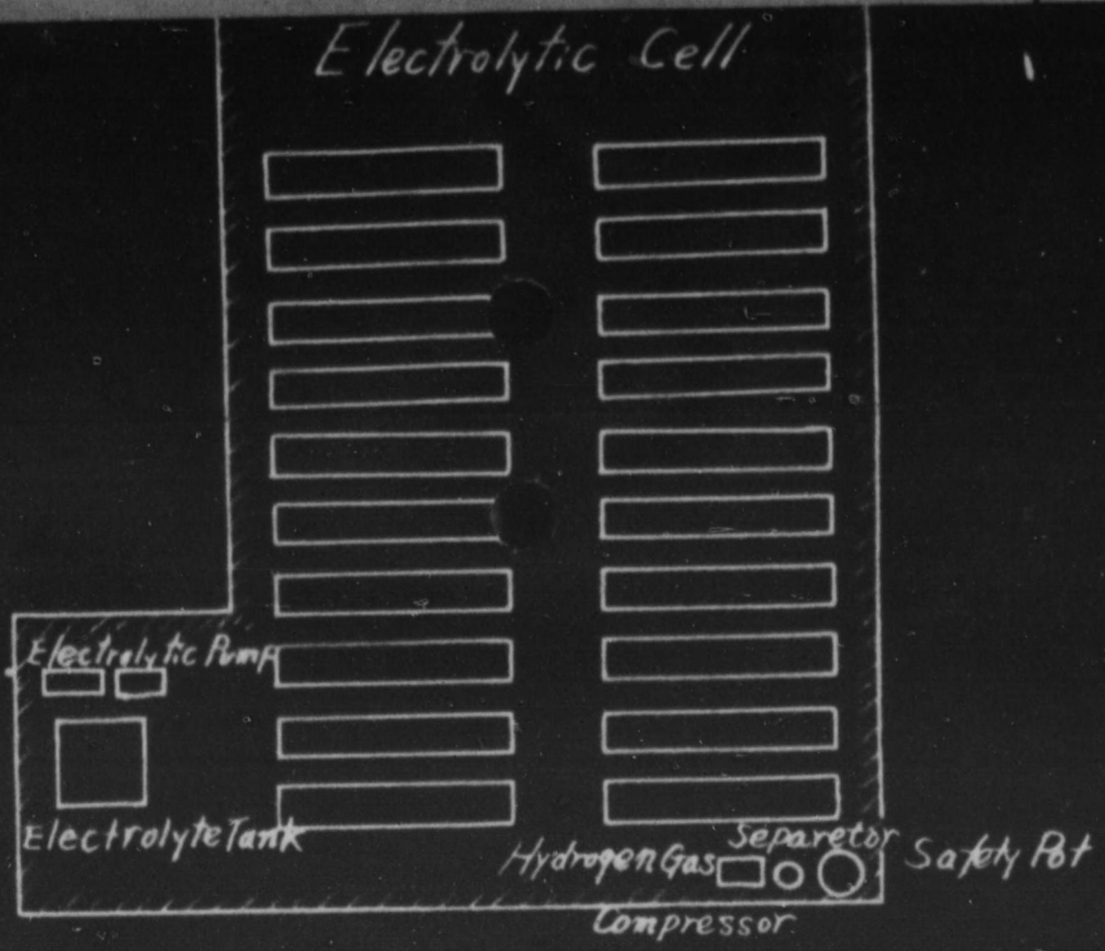


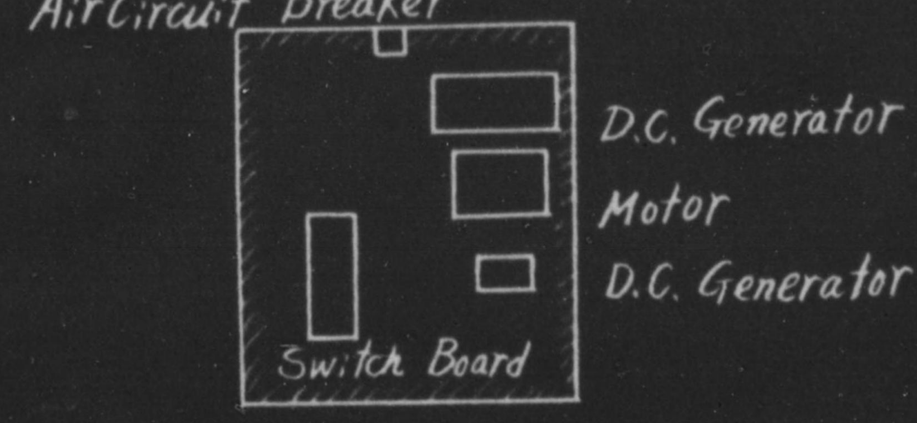


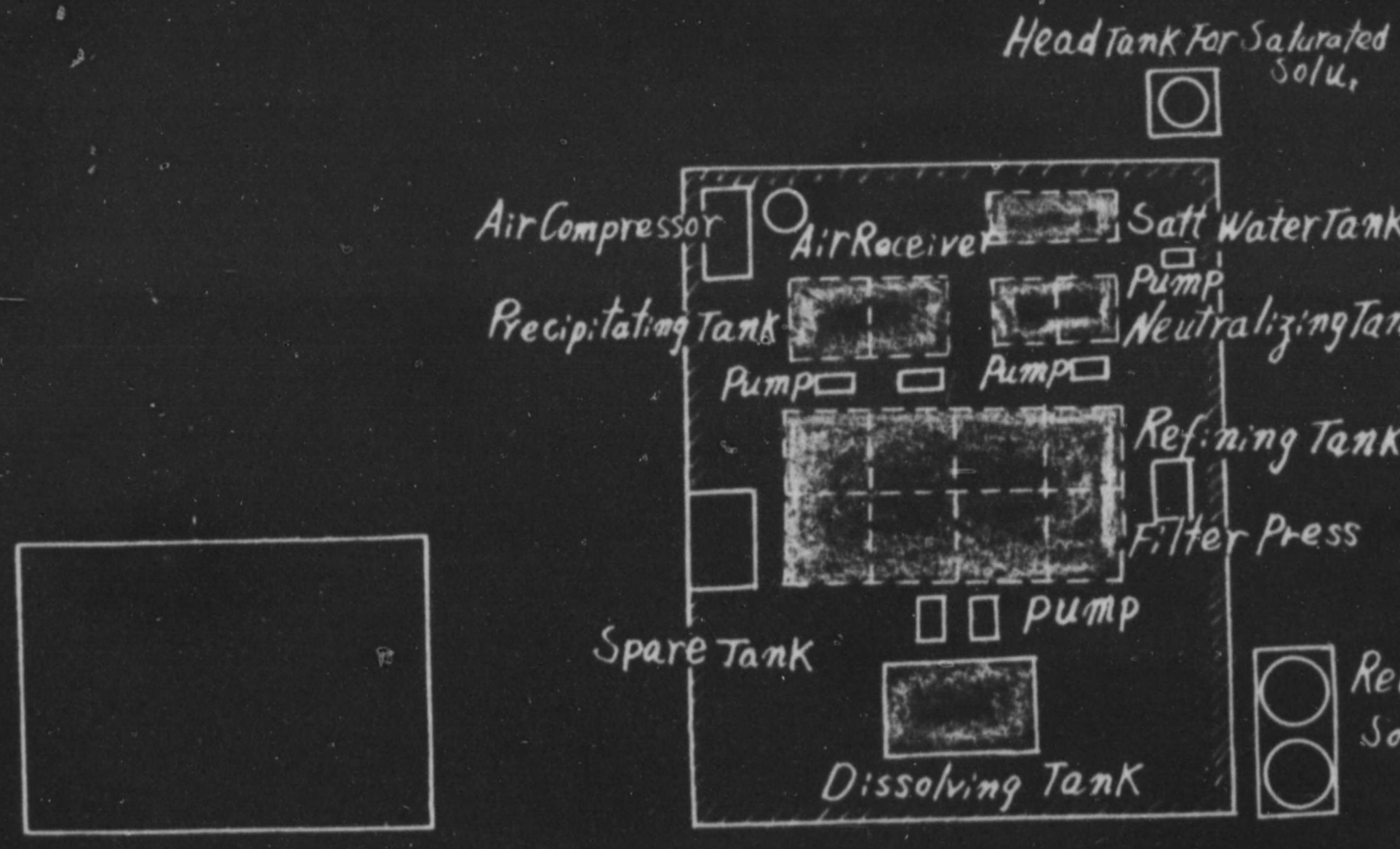


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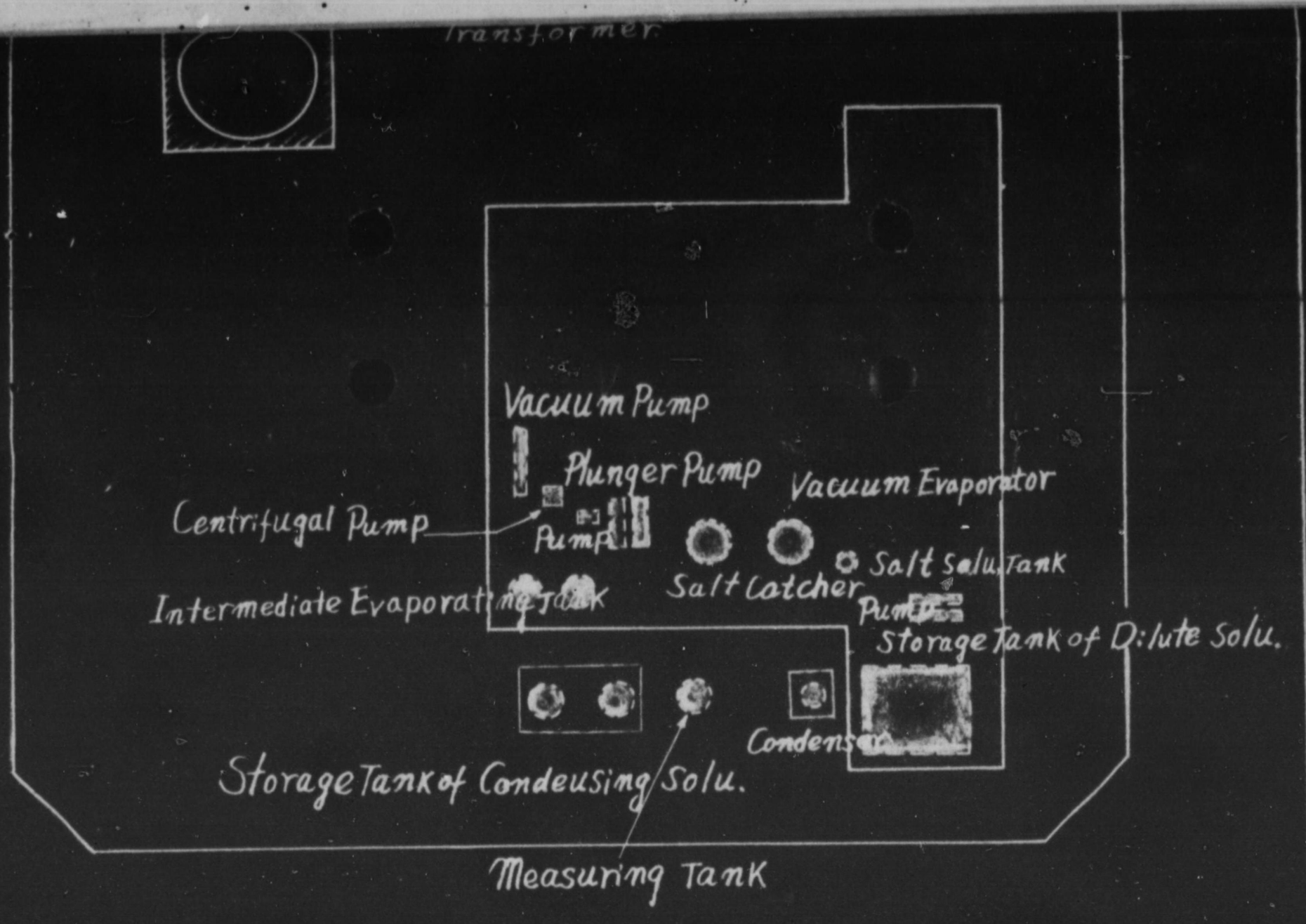


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