DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

No.1 Berth, formerly called as Keisen-bori, is used for wharfing spot of ships from abroad, but the area is not fully equipped and not very convenient geographically. Costs of loading and unloading there are rather expensive. These defects are no doubt casting shadows on the operation of this port. Better and more effective wharf and loading facilities are strongly desired by all sources concerned. Here, we would like to call your attention to the utilizing value and cheap conversion expenses of No.4 Dock in the former Arsenal area. Expecting its limitless contribution to the port's development, we have made a plan (attached herewith) based upon a far-sighted policy of the city to render great services to the Japanese economy. Your affectionate arrangement for the prompt materialization of this projects to be financed with the Counter-part Fund and /or the Revised Budget for 1950-51 shall be much appreciated.

Signed by

T. Suzuki, Mayor
of Kure City.

S. Noda, Chairman
of Kure City Assembly.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Detailed Plan for Reconversion & Improvement of No.4 Dock, Kure Port (Former Kure Naval Arsenal)

Description of Work	Amount of Work		Unit Price (Yen)	Total Sum (in ¥1,000)	Notes
Building of Pier along the Steps.	700	m	35,000	24,500	The depth of water 9.7m. Ferro-concrete built.
Refitting of Apron	7,000	sq.m	400	2,800	
Removal of Obstacles & Junks	18,000	sq.m.	150	2,700	Sweeping & Dredging in the Dock. the depth of water.... 9.7 m.
			sub-total	30,000	
Deck and Storehouse	19,400	sq.m.	13,000	252,000	Two-storey, ferro-concrete built
Laying of Port Railway Sidings	700	m.	3,000	2,100	
Removal of Mis. Buildings	1,800	sq.m.	1,000	1,800	
Re-arrangement of Loading and Unloading Machineries				3,900	
			sub-total	260,000	
			Total of Estimated Cost.....	¥ 290,000,000	

Remarks: Reason for planning (A)
Synopsis of the project (B)
Effect of the project executed (C)
The A,B,C, shall be stated in the attached project, entitled "the Specification of the Reconversion and Improvement for No.4 Dock, Kure Port".

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Specification of the Project

A) Reason for Planning:

1. In compliance with GHQ Memorandum to Japanese Government, dated 23 June 1950, Kure Docks of Harima Shipbuilding Works, Ltd was requested to cease its activities for ship construction and repairing by the end of this year 1950.

2. No.4 Dock which is the largest one in the said Shipyard site, was removed its pump machines and accessories which were designated as reparations, and heavily damaged sluice gates are being sunk at the bottom of the sea. Therefore, it is estimated to need much money to restore it for the dry-dock.

3. Kure Port decolored from the former Naval bastion has been designated the international trade port in this locality and carrying out the business of exporting reparation goods and importing the goods aiding Japanese economy such as food stuffs, salt and comercial fertilizers etc., but the operation of loading and unloading is restrained to some extent because of no authorized warehouses to work except one deck-house (2,700 tsubo in floor space) on the mooring berth (causal type 9.7 m in depth, 150 m in extension) which is specially authorized for temporary use.

At present, the half amount of freights are unloaded to lighters which transport directly to the designated consuming area, and the rest brought in the said deck-house for handling through "Ex Dock" and distributed by railway or truck, or shipped by powered lighters from the deck-house, and such complicated system results in not only causing the high cost of the dock-work but rapid decrease in numbers of ships calling this port accordingly.

The use of the said mooring berth is also limited due to the frequent entry of the Occupation Forces naval-crafts and vessels.

4. In view of the foreging reason, it is designed to increase the capacity of loading and unloading and cut down the cost of the above work by building the deck-houses and warehouses through the reconversion of No.4 Dock for the quay or landing stage.

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B) Synopsis of the Project:

1. Installation of Pier along the steps.

As No.4 Dock is constructed in the type of steps, it is necessary to instal a landing stages of ferro-concrete to make ships lie alongside it.

the Depth of Water..... 9.7 m

Length in extension.... 700 m — 10,000 ton 2 berths; 6,000 ton 2 berths

2. Refitting of Apron;

Apron (7,000 sq.m.) which is installed with various type of loading and unloading machineries is requested to be repaired and refitted as it is heavily damaged.

3. Removal of Obstacles and Extra-Junks;

To sweep out dredge many scraps deposited in the Dock which is buried with a great amount of sand.

To remove the sluice-gates sunk at the front sea of the Dock.

4. Building-up of Deck and Store houses;

To build 3 wings of two storeyed storehouses of ferro-concrete (the first floor-Deck, and the second floor-storehouse) on the both sides of the Dock.

Scale 140 m x 27 m 2
120 m x 17.5 m. 1
— 19,400 sq.m.

5. Laying of Railway Sidings,

to remove the miscellaneous buildings (mostly concrete built) in the surrounding of the Dock and clean the site equal to 1,800 sq.m.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

C) Effect of the Project:

1. Capacity of the Deck and Store houses;
   2 (140m x 27m x 0.72) + (120m x 17.5m x 0.7)=6,762 sqm

   Provided capacity.... 1.5 ton per square meter
   6,762 sq.m. @ 1.5t/m2+ 10,000 ton

   Provided 5 times operated per month
   Annual freights handling capacity
   10,000 ton x 5 x 12 x = 600,000 ton

2. Freight Handling Capacity of the Berth;

   Provided capacity ..... 1,500 ton per meter
   700 m @ 1,500 t/m = 1,050,000 ton

3. Economic Effect:

Provided total freights handling capacity in the refitted No.4 Dock section is 600,000 ton per year, the cost per ton in the quay of the Mooning Berth which is being operated is figured ¥ 210 in the following formula, because the first 300,000 ton are handled retransported by "Ex-Lighter" off shove and the remaining 300,000 ton are to be placed in storage of Deck house in the quay of the said Berth.

A ... Ex Lighter	300,000 t @	100Yen/t =	¥30,000,000
B ... Shipping (within the harbour)	"	70 yen/t=	¥21,000,000
C ... Unloading	"	100 yen/t=	¥30,000,000
D ;;. Storage	"	150yen/t=	¥ 45,000,000
	Total		¥ 126 million.

But the cost per ton in the refitted No.4 Dock pier is ¥ 100 yen, (correesponding the above "C") that is ¥ 110 cheaper in balance, which is estimated to economy ¥66 million per year.

Remarks:

The revalent figures above are computed in bulk unloading, and in case of crate unloading, the cost will increase ¥ 20 per ton. In one side unloading, the forementioned cost ¥ 100 will be multiplied to ¥ 200 per ton.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ATTACHED TABLE NO. 1. ACTIVATION PLANTS FOR CONVERSION OF FORMER N.V.

MIYAHARA STREET

NO.	ITEM OF BUSINESS	FORMERLY USED	AREA		NUMBER OF WORKMEN PER E			
			LAND	STRUCTURE	1950	1951	1952	1953
1.	INDUSTRIAL MACHINERY	SHIPBUILDING DEPT.						
*	STEEL STRUCTURAL WORKS FOR LAND USE		155,000	35,000	4,570	2,650	2,150	2,650
	SHIP REPAIR	ENGINE DEPT.						
2.	BONDED WARE HOUSE	SHIPBUILDING DEPT.	25,000	9,500			15	
3	ELECTRIC POWER PLANT	ELECTRIC DEPT.	2,821	1,146			50	
4	NEEDLE & FOR SEWING-MACH	SCHOOL OF AN ASSISTANT ENGINEER	2,400	1,000			50,	
5	STOREHOUSE	TOPEDO DEPT.	5,000	2,215	5	10	10	
6	MANUFACTURE OF MACHINERY & METALLIC WORKS	TOPEDO DEPT.	5,000	2,000		100,	150	
7	STOREHOUSE	GUN PRODUCTION DEPT.	5,000	2,000		5,	10,	
8 *	MANUFACTURE OF STEEL. CAST & FORGE, ETC..	STEEL DEPT.	22,728	12,277	766	785	850,	100
9	MANUFACTURE OF ROLLING. PIPING. CHEMICAL AND MINING MACHINE		69,000	22,556			100,	15
	MANUFACTURE OF FLAT BAR. INGOT.							
10 *	SEAT BAR & ANGLS.	STEEL DEPT.	111,300	20,975		300	1000,	200
	TOTAL.		419,249	111,180	5,281	3850	4845	621

SAKAIGAWA DISTRICT

NO.	ITEM OF BUSINESS	FORMELY USED	AREA		NUMBER OF WORKMEN PER E			
			LAND	STRUCTURE	1950	1951	1952	1953
11	LANDING & STOREHOUSE	ORDNANCE DEPT. HARBOUR DEPT.	19,391	3,606			10	
12	GOVERNMENT OFFICE	SUBMARINE BASE	1,200	150				
13	GOVERNMENT OFFICE	DO.	8,300	1,000				
14.	MEDICAL COLLEDGE	MARIN CORPS	37,243	2,504				
15.	PLAY GROUND	TRAINING PLACE	17,251	39				
16.	OFFICIAL HOUSES	WASHO OFFICIAL & MIYAHARA RESIDENCE	15,245	1,065				
17	GOVERNMENT OFFICE	ASSEMBLY HALL FOR CORP.	10,114	1,671				
18	HOSPITAL FOR MEDICAL COLLEDGE	NAVY HOSPITAL	33,517	9,871				
19	BASE OF WHALING WORK	MUNITIONS SHOP.	54,000	9,600			300	50
20	GOVERNMENT OFFICE	HARBOUR DEPT.	6,991	1,737				
	TOTAL.		203,252	31,243			310	51

KAWARAISHU DISTRICT

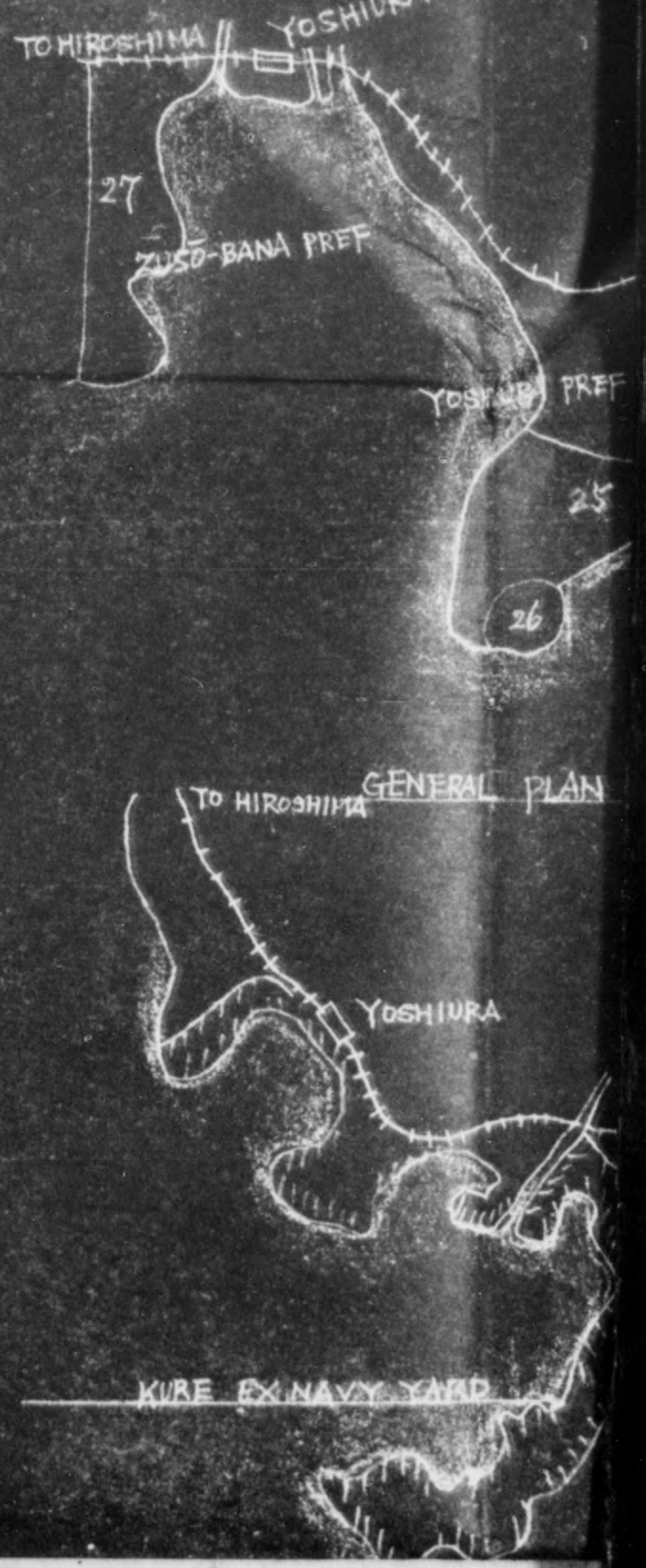
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO. 775013

ON OF FORMER NAVAL EQUIPMENT

NUMBER OF WORKMEN PER EACH YEAR					ADMINISTRATOR	REMARKS
50	1951.	1952.	1953.	1954 1955.		
					KURE DOCK OF	UNDER CONVERSION
0	2,650	2,650	2650	2.650, 2650	THE HARIMA SHIP BUILDING WORKS LTD.,	PLAN
		15	15.	15, 15	KURE CITY	UNRELEASED
		50	130.	130. 130	NIPPON HASSODEN K/K & CHUGOKU HAIDEN	DO.
		50,	100,	150, 200	UNDECIDED	DO.
	10	10	10	10 10	KURE CITY	COMPLETED IN AUG 1950
	100,	150	200	300, 500	"	UNDER PLAN
	5,	10,	10.	10, 10,	KURE CITY	DO.
6	785	850,	1000,	1500, 2000,	AMAGASAKI SEITETSU K/K	UNDER CONVERSION
		100,	150.	1000, 2000,	UNDECIDED	PLAN
	300	1000,	2000	3500 4550,	NICHIA STEEL WORKS LTD	UNDER PLAN
1	3350	4855	6215	9265 12065		

NUMBER OF WORKMEN PER EACH YEAR					ADMINISTRATOR	REMARKS
50	1951	1952	1953	1954 1955		
		10	10	10 10	KURE CITY	UNRELEASED
					KOBE CUSTOM-HOUSE KURE BRANCH	COMPLETED AT AUG 1950
					MARITIME SAFTY H.Q.	DO
					HIROSHIMA MEDICAL COLL	UNRELEASED
					KURE CITY	DO.
					GOVERNMENTAL OFFICE	DO.
					KURE CITY	DO.
					HIROSHIMA MEDICAL COLLEDGE	DO
		300	500	1000 1000	UNDECIDED	DO
					SUPERINTENDENT BUREAU OF HABOUR	DO.
		310	510	1010 1010		

DETAIL OF KU



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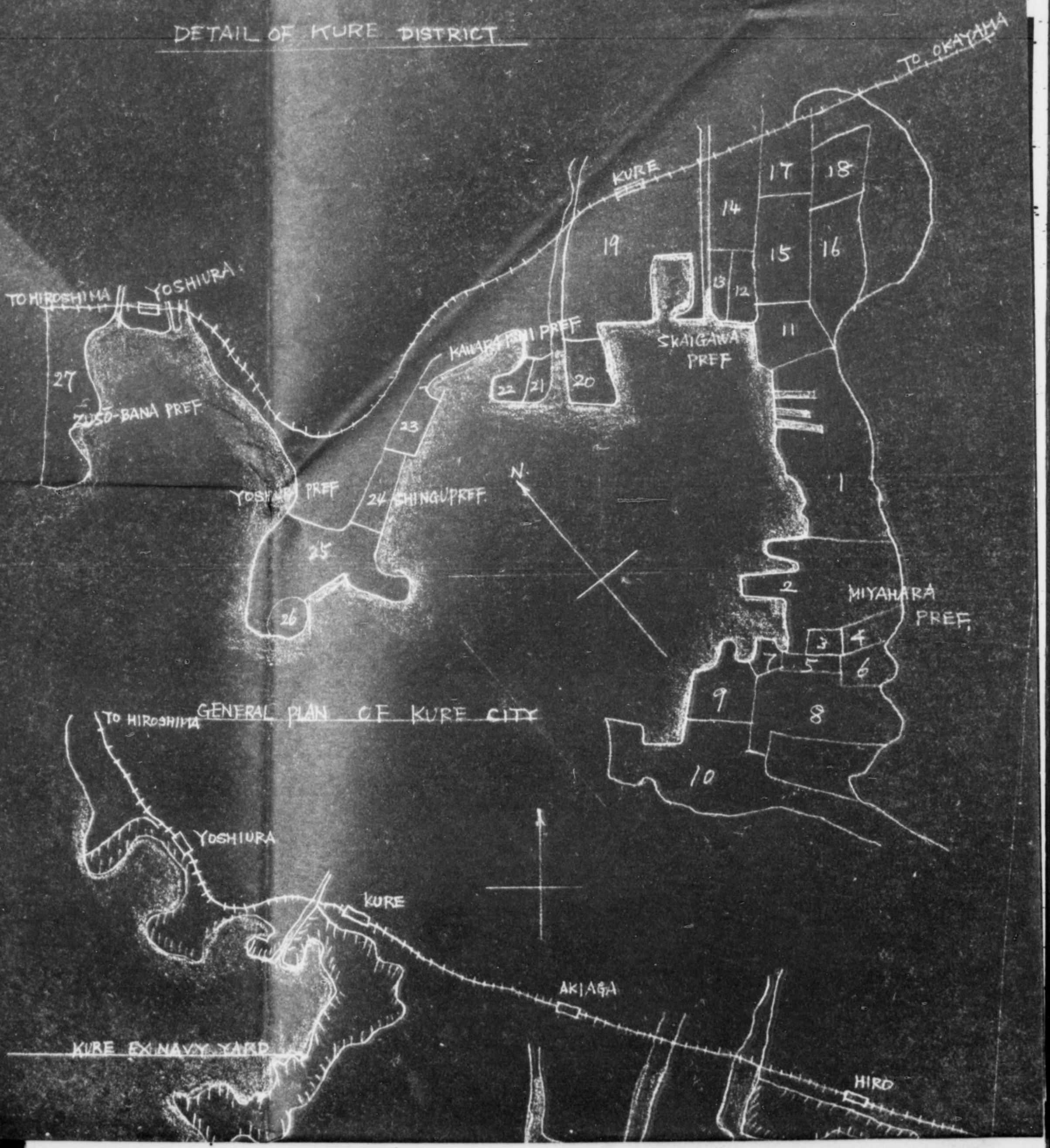
DETAIL OF KURE DISTRICT



DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

NO.	ITEM OF BUSINESS	FORMELY USED	AREA LAND	AREA STRUCTURE	1950	1951	1952	
11	LANDING & STOREHOUSE	ORDNANCE DEPT. HARBOUR DEPT.	19,391	3,606			10	
12	GOVERNMENT OFFICE	SUBMARINE BASE	1,200	150				
13	GOVERNMENT OFFICE	DO,	8,300	1,000				
14.	MEDICAL COLLEDGE	MARIN CORPS	37,243	2,304				
15,	PLAY GROUND	TRAINING PLACE	17,251	39				
16.	OFFICIAL HOUSES	WASHO OFFICIAL & MIYAHARA RESIDENCE	15,245	1,065				
17	GOVERMENT OFFICE	ASSEMBLY HALL FOR CORP.	10,114	1,171				
18	HOSPITAL FOR MEDICAL COLLEDGE	NAVY HOSPITAL	33,517	9,871				
19	BASE OF WHALING WORK	MUNITIONS SHOP.	54,000	9,600			300	
20	GOVERNHENT OFFICE	HARBOUR DEPT.	6,991	1,737				
	TOTAL.		203,252	31,243			310	

KAWARAISHI DISTRICT

NO.	ITEM OF BUSINESS	FORMELY USED	AREA LAND	AREA STRUCTURE	NUMBER OF WORKMEN 1950	1951	1952	
21	MANUFACTURE OF FOOD TREATMENT & CONDIMENTS	ORDNANCE DEPT	16,120	1,443.			50	
22	MARCKET.	ORDNANCE DEPT	7,000	2,000		30	30	
	TOTAL.		18,120	3,443		30	80.	

SHINGU & YOSHIURA DISTRICT

NO.	ITEM OF BUSINESS	FORMELY USED	AREA LAND	AREA STRUCTURE	NUMBER OF WORKMEN 1950	1951	1952	
23.	COAL YARD	II NAVAL AIR ARSE - NAL.	5000				30	
24	(WATER & OIL) SUPPLY BASE		4000				10	
25	GOVERNMENT OFFICE	SUBMARIN'S SCHOOL	67,770	4650				
26.*	MANUFACTURE OF MARINE REFREGERATER & PACKING PLANE FOR FISHES.		3,120	2,131		150	200	
	TOTAL		80,590	6,781		150	240	

ZUSŌ - BANA DISTRICT

NO.	ITEM OF BUSINESS	FORMELY USED	AREA LAND	AREA STRUCTURE	NUMBER OF WORKMEN 1950	1951	1952	
27	OIL PLANT	FUEL STORE	20,790	1875			10	
	TOTAL		20,790	1875			10	

HIRO DISTRICT

NO	ITEM OF BUSINESS	FORMELY USED	AREA LAND	AREA STRUCTURE	NUMBER OF WORKMEN 1950	1951	1952	
28.*	MANUFACTURE OF CAST OR FORGE IRON, PARTS OF CAR & SEWING MACHINE	II. NAVAL AIR ARS - NAL	79,850	11,560	450	550	650	
29	MANUFACTURE OF GRASS BOTTLE (FOR WINE, MEDICINE)		25,000	1,500			100	
30.*	MANUFACTURE OF PULP & SAILING	DO.	70,547	5,250		350	600	
31	PHYSICAL & CHEMICAL RESEARCH INSTITUTE	DO.	15,000	2,000			50	
32	MANUFACTURE OF SODA ASH.	DO.	15,000	2,000			50	
33.*	SUPPLY OF FUEL & LUBRICATING OIL. MANUFACT. OF KEROSENE CAN & CREANING STRUCTURE AND	DO.	8,500	1,322	30	60	60	

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1951	1952	1953	1954	1955		
	10	10	10	10	KURE CITY	UNRELEASED
					KOBE CUSTOM-HOUSE KURE BRANCH	COMPLETED AT AUG 1950
					MARITIME SAFTY H.Q.	DO
					HIROSHIMA MEDICAL COLL	UNRELEASED
					KURE CITY	DO
					GOVERNMENTAL OFFICE	DO
					KURE CITY	DO
					HIROSHIMA MEDICAL COLLEDGE	DO
	300	500	1000	1000	UNDECIDED	DO
					SUPERINTENDENT BUREAU OF HABOUR	DO
	310	510	1010	1010		

NUMBER OF WORKMEN PER EACH YEAR					ADMINISTRATOR	REMARKS
	1951	1952	1953	1954	1955	
		50	100	150	200	UNDECIDED	UNRELEASED
	30	30	30	30	30	KURE CITY	UNDER PLAN
	30	80	130	180	230		

NUMBER OF WORKMEN PER EACH YEAR					ADMINISTRATOR	REMARKS
	1951	1952	1953	1954	1955	
		30	30	30	30	UNDECIDED	UNRELEASED
		10	10	10	10	UNDECIDED	DO
							DO
	150	200	250	300	450	KOTOBUKI KOGYO K/K	COMPLETED AT SEPT 1950
	150	240	290	340	490		

NUMBER OF WORKMEN PER EACH YEAR					ADMINISTRATOR	REMARKS
	1951	1952	1953	1954	1955	
		10	10	10	10	UNDECIDED	UNRELEASED
		10	10	10	10		

NUMBER OF WORKMEN PER EACH YEAR					ADMINISTRATOR	REMARKS
	1951	1952	1953	1954	1955	
2	550	650	750	850	1000	KAWANAMI INDUSTRY HIRO FACTORY	UNDER PLAN
		100	300	600	1000	UNDECIDED	UNRELEASED
	350	600	1000	1500	3000	TOYO PULP CO.	UNDER PLAN
		50	150	300	700	HIROSHIMA UNIVERSITY	
		50	150	300	700	UNDECIDED	
	60	60	60	60	60	MARUZEN OIL	UNDER PLAN

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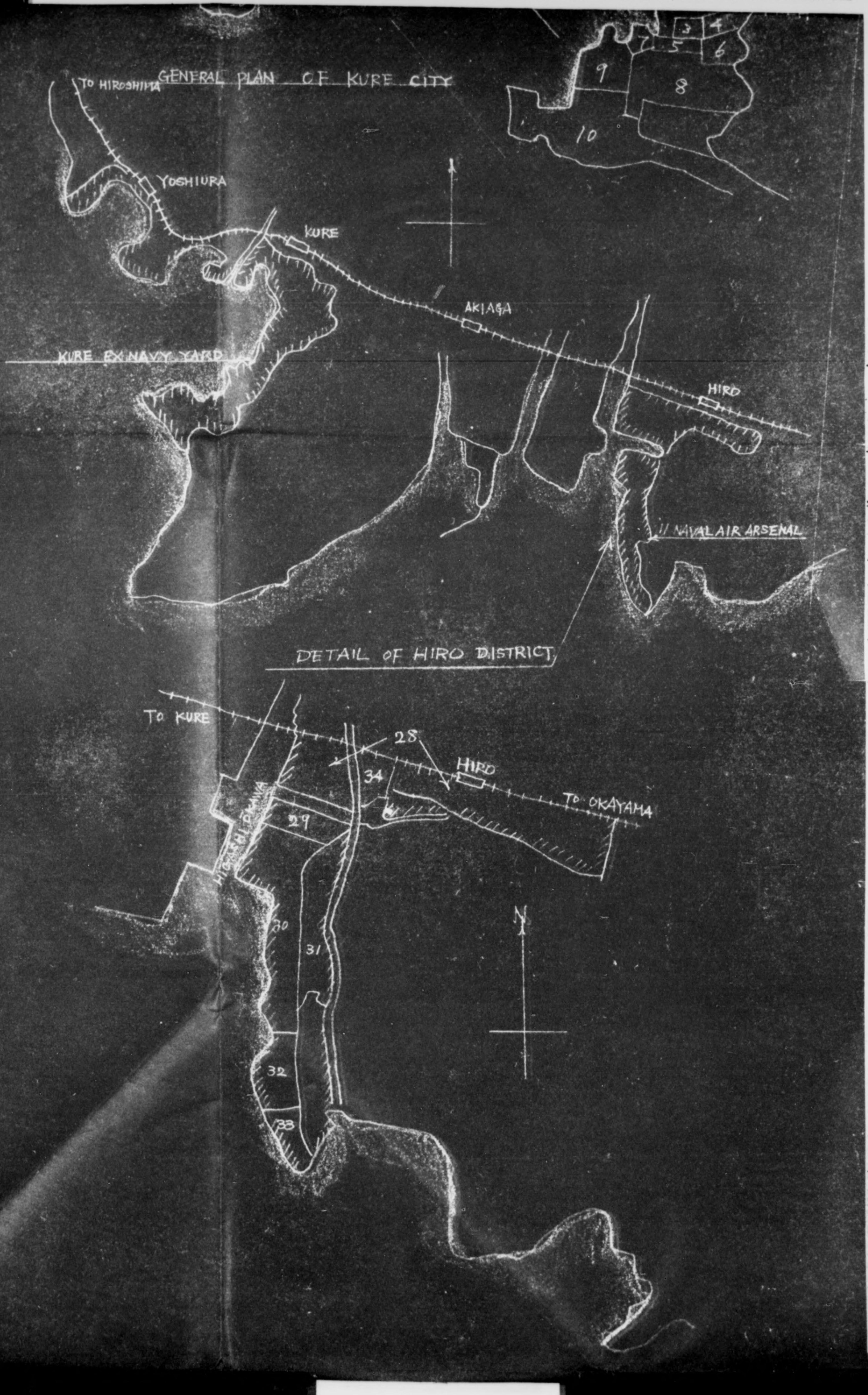

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	TOTAL		20,790	1875			10	

HIRO DISTRICT

NO	ITEM OF BUSINESS	FORMELY USED	AREA		NUMBER OF WORKMEN			
			LAND	STRUCTURE	1950	1951	1952	19
28*	MANUFACTURE OF CAST OR FORGE IRON, PARTS OF CAR & SEWING MACHINE	II. NAVAL AIR ARS-	79,850	11,560	450	550	650	75
29	MANUFACTURE OF GRASS BOTTLE (FOR WINE, MEDICINE)	NAL	25,000	1,500			100	30
30*	MANUFACTURE OF PULP & SAILING	Do.	70,547	5,250		350	600	10
31	PHYSICAL & CHEMICAL RESEARCH INSTITUTE	Do.	15,000	2,000			50	15
32	MANUFACTURE OF SODA ASH.	Do.	15,000	2,000			50	15
33*	SUPPLY OF FUEL & LUBRICATING OIL. MANUFACT. OF KEROSENE CAN & CREANING	Do.	8,500	1,322	30	60	60	6
34	STRUCTURE AND REPAIR OF MOTOR-CAR	Do.	4,000	1,200			50	1
	TOTAL		217,897	24,582	450	930	1520	

GRAND TOTAL DETAIL.		958,898	179,104	5,731	4,960	7,045	
*MARK SHOWS TO BE SURELY ENTERPRISED AFTER PERMISSION		451,745	88,515	5,726	4,815	6,010	7,
UNDER PLAN (INCLUDING UNRELEASED AREA)		507,153	90,589	5	145	1,035	1,
CHANGE OF NUMBER OF EMPLOYERS COMPARATIVE TO PRESENT BY *MARK PLAN					-911	+284	+1

ATTACHED TABLE NO.2

CHANGE IN NUMBER OF UNEMPLOYEES BY THE C

TOTAL NUMBER OF UNEMPLOYEES OF KURE CITY, IS 16,706 IN FEB OF 68.791 WORKERS, ENGAGABLE IN SOME OCCUPATION, AND IT WILL BY THE DISMISSAL OF 19.00 WORKERS IN KURE DOCK. HOW MANY WORKERS PLAN USING THE FORMER KURE NAVAL BASE, IS AS PER ATTACHED

			1950	1951	1952	1
NUMBER OF EMPLOYEES INCREASING BY THE CONVERSION PLAN						
NUMBER OF EMPLOYEES INCREASING BY THE ATTENDANT INDUETRY UNDER THE PLAN					284	1
					95	3
TOTAL OF EMPLOYEES					379	4
RATE OF POSSIBLE EMPLOYMENT FOR 17,975 UNEMPLOYEES BY THE THE PLAN					2%	
NUMBER OF UNEMPLOYEES TO BE REMAINED AFTER CONVERSION						
			17,975	17,975	17,596	15

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

	10	10	10	10	

NUMBER OF WORKMEN PER EACH YEAR						ADMINISTRATOR	REMARKS
50	1951	1952	1953	1954	1955		
						KAWANAMI INDUSTRY	
50	550	650	750	850	1000	HIRO FACTORY	UNDER PLAN
		100	300	600	1000	UNDECIDED	UNRELEASED
						TOYO PULP CO.	
	350	600	1000	1500	3000		UNDER PLAN
						HIROSHIMA	
		50	150	300	700	UNIVERSITY	
		50	150	300	700	UNDECIDED	
						MARUZEN OIL	
0	60	60	60	60	60		UNDER PLAN
		50	100	150	300	UNDECIDED	UNRELEASED
0	930	1520	2380	3490	6090		

31	4,960	7,045	9,585	14,295	19,895
26	4,815	6,010	7,710	10,360	13,710
5	145	1,035	1,875	3,935	6,135
	-911	+284	+1,984	+4,634	+7,984

OYEES BY THE CONVERSION PLAN

16,706 IN FEB. 1950 PRESENT. THIS RISE TO 23%

, AND IT WILL BE INCREASED TO 17,975 IN NUMBER

MANY WORKERS CAN GET JOBS BY THE CONVERSION PER ATTACHED TABLE

TO	1951	1952	1953	1954	1955
		284	1,984	4,634	7,984
		95	595	1,390	2,395
		379	2,579	6,024	10,379
		2%	14%	33%	57%
15	17,775	17,596	15,796	11,751	7,396

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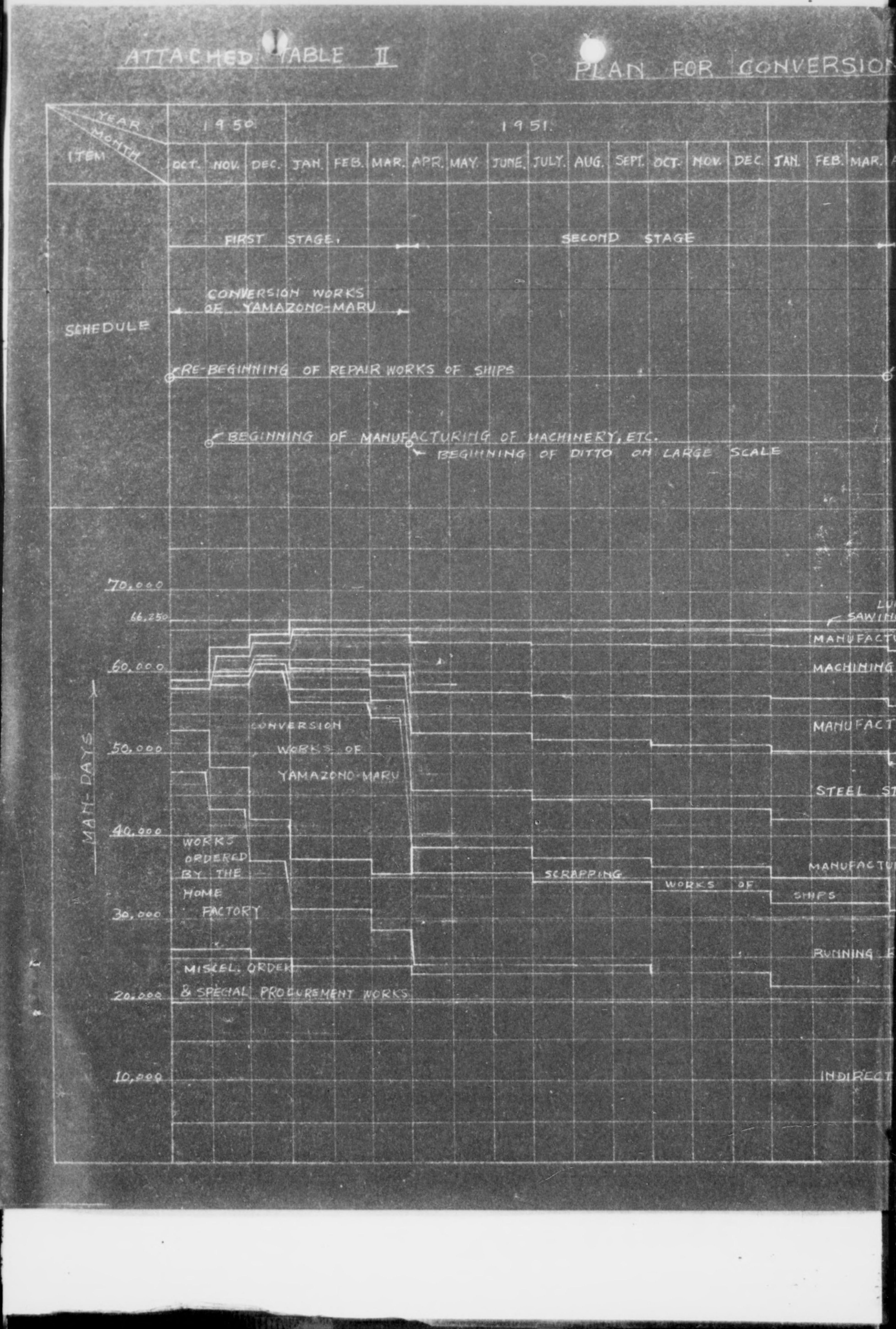
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ATTACHED TABLE II

PLAN FOR CONVERSION



DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

FOR CONVERSION OF WORKS

SEPT. 1950. HARIMA SHIPBUILDING WOR

1952															1953								
OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY.	JUNE.	JULY.	AUG.	SEP

STAGE — THIRD STAGE — FOURTH STA

GRADUAL DECREASING OF REPAIRING WORSKS OF SHIPS

SET TO THE PLANNED A

LARGE SCALE

LUMBER SAWING WORKS

MANUFACTURE OF ELECTRIC MACHINERY & INSTRUMENTS

MACHINING PARTS OF INDUSTRIAL MACHINERY & INSTALLATION

MANUFACTURE OF DIESEL ENGINE

STEEL STRUCTURAL WORKS FOR LAND USE

MANUFACTURE OF CHEMICAL & MINING INDUSTRIAL MACHINERY & INSTALLATION

WORKS OF SHIPS

RUNNING REPAIR WORKS OF SHIPS

INDIRECT LABOUR

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

WORKS

SEPT. 1950. HARIMA SHIPBUILDING WORKS LTD, KURE DOCK

1952 | 1953

JUNE | JULY | AUG. | SEPT. | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY. | JUNE | JULY | AUG. | SEPT. | OCT. | NOV. | DEC.

THIRD STAGE — FOURTH STAGE

L DECREASING OF REPAIRING WORSKS OF SHIPS

SET TO THE PLANNED AMOUNT

LECTRIC MACHINERY & INSTRUMENTS

OF INDUSTRIAL
HINERY & INSTALLATION

DIESEL ENGINE

L WORKS
FOR LAND USE

CHEMICAL &
NING INDUSTRIAL MACHINERY & INSTALLATION

RKS OF SHIPS

OUR

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ATTACHED TABLE III

ITEMS \ YEAR / MONTH	1950 OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.
CONVERSION WORKS OF YAMAZOMO-MARU	5,000	10,000	18,000	19,000	19,000	19,000	
RUNNING REPAIR WORKS OF SHIPS	5,000	5,000	5,000	6,000	6,000	7,000	10,000
WORKS ORDERED BY THE HOME FACTORY	21,700	17,200	11,700	7,500	7,500	4,600	2,000
MISCEL. ORDER & SPECIAL PROCUREMENT WORKS	6,500	6,500	5,500	4,500	4,500	4,500	3,500
MANUFACTURE OF CHEMICAL & MINING INDUSTRIAL MACHINERY & INSTALLATION		1,000	1,000	1,500	1,500	2,000	7,100
MACHINING OF PARTS OF INDUSTRIAL MACHINERY & INSTALLATION		2,000	2,000	3,000	3,000	3,500	6,000
MANUFACTURE OF DIESEL ENGINES				1,000	1,000	1,400	5,100
STEEL STRUCTURAL WORKS FOR LAND USE		500	500	2500	2500	3,000	7,000
MANUFACTURE OF ELECTRIC MACHINERY & INSTRUMENT				500	500	500	1,800
LUMBER SAWING WORKS	1,000	1,000	1,000	1,000	1,000	1,000	1,000
SCRAPPING OF SHIPS							3,000
IDLE	7,300	3,300	1,800				
INDIRECT LABOUR	19,750	19,750	19,750	19,750	19,750	19,750	19,75
TOTAL	66,250	66,250	66,250	66,250	66,250	66,250	66,25

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

DISTRIBUTION TABLE OF MAN-DAYS

	1951										1952				
	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY
	19,000														
	7,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	9,000	9,000
	4,600	2,000	2,000	2,000	1,000	1,000	1,000								
	4,500	3,500	3,500	3,500	3,500	3,500	3,500	3,200	3,200	3,200	2,000	2,000	2,000	2,000	2,000
	2,000	7,100	7,100	7,100	7,100	7,100	7,100	7,100	7,100	7,100	7,100	7,100	7,100	7,700	7,700
	3,500	6,000	6,000	6,000	6,100	6,100	6,100	6,300	6,300	6,300	6,400	6,400	6,400	6,700	6,700
	1,400	5,100	5,100	5,100	5,500	5,500	5,500	6,000	6,000	6,000	6,600	6,600	6,600	7,500	7,500
	3,000	7,000	7,000	7,000	7,400	7,400	7,400	7,800	7,800	7,800	8,200	8,200	8,200	10,000	10,000
	500	1,800	1,800	1,800	1,900	1,900	1,900	2,100	21,000	21,000	2,200	2,200	2,200	2,600	2,600
	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000		
	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750
	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

SEPT. 1950 HARIMA SHIPBUIL

1952									1953						
APR.	MAY.	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JU
9,000	9,000	9,000	7,500	7,500	7,500	5,800	5,800	5,800	4,500	4,500	4,500	3,500	3,500	3,500	3,
2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,
7,700	7,700	7,700	9,100	9,100	9,100	9,700	9,700	9,700	9,900	9,900	9,900	10,000	10,000	10,000	10
6,700	6,700	6,700	6,700	6,700	6,700	6,800	6,800	6,800	7,000	7,000	7,000	7,000	7,000	7,000	7,
7,500	7,500	7,500	7,500	7,500	7,500	8,100	8,100	8,100	8,500	8,500	8,500	9,000	9,000	9,000	9,
10,000	10,000	10,000	10,100	10,100	10,100	10,400	10,400	10,400	10,700	10,700	10,700	11,000	11,000	11,000	11,
2,600	2,600	2,600	2,600	2,600	2,600	2,700	2,700	2,700	2,900	2,900	2,900	3,000	3,000	3,000	3,
1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,
19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,
66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

SEPT 1950 HARIMA SHIPBUILDING WORKS, LTD KURE DOCK

	1953											1954		
H.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB	MAR.
0	4,500	4,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3500	3,500	3,500
0	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
0	9,900	9,900	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
0	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000
0	8,500	8,500	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000
0	10,700	10,700	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000
0	2,900	2,900	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
0	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
50	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750	19,750
50	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250	66,250

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ATTACHED TABLE IV

ITEMS \ YEAR MONTH	1950 OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR
CONVERSION WORKS OF YAMAZONO-MARU	700	400	720	760	760	760	
RUNNING REPAIR WORKS OF SHIPS	200	200	200	240	240	280	4
WORKS ORDERED BY THE HOME FACTORY	870	690	470	300	300	180	8
MISCEL. ORDER & SPECIAL PRODUCEMENT WORKS	260	260	220	180	180	180	1
MANUFACTURE OF CHEMICAL & MIHING INDUSTRIAL MACHINERY & INSTALLATION		40	40	60	60	80	2
MACHINING PARTS OF INDUSTRIAL MACHINERY & INSTALLATION		80	80	120	120	140	2
MANUFACTURE OF DIESEL ENGINES				40	40	60	2
STEEL STRUCTURAL WORKS FOR LAND USE		20	20	100	100	120	2
MANUFACTURE OF ELECTRIC MACHINERY & INSTRUMENT				20	20	20	7
SAWING WORKS	40	40	40	40	40	40	4
SCRAPPING OF SHIPS							1
IDLE	290	130	70				
INDIRECT LABOUR	790	790	790	790	790	790	7
TOTAL	2,650	2,650	2,650	2,650	2,650	2,650	2

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

DISTRIBUTION TABLE OF NO. OF MEN

					1951										
N.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.
0	760	760													
0	240	280	400	400	400	400	400	400	400	400	400	400	400	400	360
0	300	180	80	80	80	40	40	40							
0	180	180	140	140	140	140	140	140	130	130	130	80	80	80	80
0	60	80	280	280	280	280	280	280	280	280	280	280	280	280	310
0	120	140	240	240	240	240	240	240	250	250	250	260	260	260	270
	40	60	210	210	210	220	220	220	240	240	240	260	260	260	300
	100	170	280	280	280	300	300	300	310	310	310	330	330	330	400
	20	20	70	70	70	80	80	80	90	90	90	90	90	90	100
	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
			120	120	120	120	120	120	120	120	120	120	120	120	
0	790	790	790	790	790	790	790	790	790	790	790	790	790	790	790
						790	790								
0	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO. 775013

MEN — SEPT. 1950 HARIMA SHIPBUILDI

1952															
MAR.	APR.	MAY	JUNE	JULY	AUG	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JU
400	360	360	360	300	300	300	230	230	230	180	180	180	140	140	14
80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	
280	310	310	310	360	360	360	390	390	390	400	400	400	400	400	4
260	270	270	270	270	270	270	270	270	270	280	280	280	280	280	2
260	300	300	300	300	300	300	320	320	320	340	340	340	360	360	3
330	400	400	400	410	410	410	420	420	420	430	430	430	440	440	44
90	100	100	100	100	100	100	110	110	110	110	110	110	120	120	12
40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	4
120															
790	790	790	790	790	790	790	790	790	790	790	790	790	790	790	7
2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,6

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

1950 HARIMA SHIPBUILDING WORKS, LTD. KURE DOCK

1953											1954		
FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.
180	180	140	140	140	140	140	140	140	140	140	140	140	140
80	80	80	80	80	80	80	80	80	80	80	80	80	80
400	400	400	400	400	400	400	400	400	400	400	400	400	400
280	280	280	280	280	280	280	280	280	280	280	280	280	280
340	340	360	360	360	360	360	360	360	360	360	360	360	360
430	430	440	440	440	440	440	440	440	440	440	440	440	440
110	110	120	120	120	120	120	120	120	120	120	120	120	120
40	40	40	40	40	40	40	40	40	40	40	40	40	40
790	790	790	790	790	790	790	790	790	790	790	790	790	790
2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ATTACHED TABLE V.

NUMBER OF MEN ACCORDING TO
(APRIL 1953)

CLASSIFICATION / WORKS	MANUFACTURE OF CHEMICAL AND MINING INDUSTRIAL MACHINERY AND INSTALLATION	MACHINING OF PARTS OF INDUSTRIAL MACHINERY AND INSTALLATION	MANUFACTURE OF DIESEL ENGINES	STEEL STRUCTURAL WORKS FOR LAND USE	MANUFACTURE OF ELECTRIC MACHINERY AND INSTRUMENT	LUMBER SAWING WORKS
MECHANICIAN	108	128	150		15	
FOUNDER	45	20	17		3	
BLACK SMITH	33	10	11	25	2	
BOILER MAKER	60	28	8	210		
PLUMBER	32	27	12			
FITTER	105	67	162			
PLATER	4			75		
ELECTRIC WELDER	6			86		
GAS CUTTER	4			75		
ELECTRICIAN	3				100	
SAW MILLER						40
CARPENTER						
PAINTER				5		
DIVER						
DRIVER (ENGINE AND CRANE)						
TRANSPORTER				64		
DRAFTMAN						
CLERK						
WRITER						
ENGINEER						
TOTAL	400	280	360	440	120	40

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDC NO. 775013

UMBER OF MEN ACCORDING TO CRAFTS

(APRIL 1953)

SEPT. 1950. HARIMA SHIPBUILDING WORKS, KURE DOCK

CTURE	STEEL STRUCTURAL WORKS FOR LAND USE	MANUFACTURE OF ELECTRIC MACHINERY AND INSTRUMENT	LUMBER SAWING WORKS	MISCEL. ORDERS	RUNNING REPAIR WORKS OF SHIPS	INDIRECT LABOUR		TOTAL
SEL IES								
		15		16	10			427
		3		4	2			91
	25	2		4	3			88
	210			17	26	10	10	359
				6	10	13		100
				17	36	43		425
	75			3	2			34
	86			4	4	3	3	103
	75			2	3	10	14	44
		100		3	7	10	10	123
			40			19	14	59
				3	13			16
	5			3	13	18	14	39
						4	14	4
						30	30	30
	64			3	11			78
							50	
						50	50	50
						50	50	50
						50	50	50
						370	370	370
						160	160	160
	440	120	40	80	140	790	790	2650

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Ltr, Headquarters, Chugoku CAR, CCAR 386.3 (D-St), Subj: "Use of Reparation Facility (11-05), dated 7 July 1950

387.6 (7 July 50)CAS-EM 1st Ind 27 OCT 1950

K-249

Civil Affairs Section, GHQ, SCAP, APO 500

TO: Chief, Chugoku Civil Affairs Region, APO 182

1. Application referred to in paragraph 4, basic letter, has not been received by this headquarters from the Japanese Government.

2. Due consideration will be given to Civil Affairs recommendation when application is received.

FOR THE CHIEF, CIVIL AFFAIRS SECTION:

J.M. O'BRIEN
CWO USA
Adm C A Off

1 Incl
n/c

MANUFACTURING AND INDUSTRY FILE 11-5
See ZL

444

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDC 77 5013

AREA UNDER THE CHARGE OF AMAGASAKI IRON & STEEL MFG. CO. LTD.

N

Scale 1/5000

SEA

TRAVELLING WHARF CRANE (3T)

1ST SUB STATION

MACHINE SHOP

TOWER CRANE (40T)

TOWER CRANE (150T)

OXYGEN PRODUCING PLANT

MACHINE SHOP

TRANSPORT GARAGE

PRIME MOVER

FORGING SHOP

PIER

SHIPPING OFFICE

RE-ROLLED FORGING SHOP

SHOP MANAGEMENT OFFICE & WOOD WORKING SHOP

SEA

YARD

CAST STEEL FOUNDRY SHOP

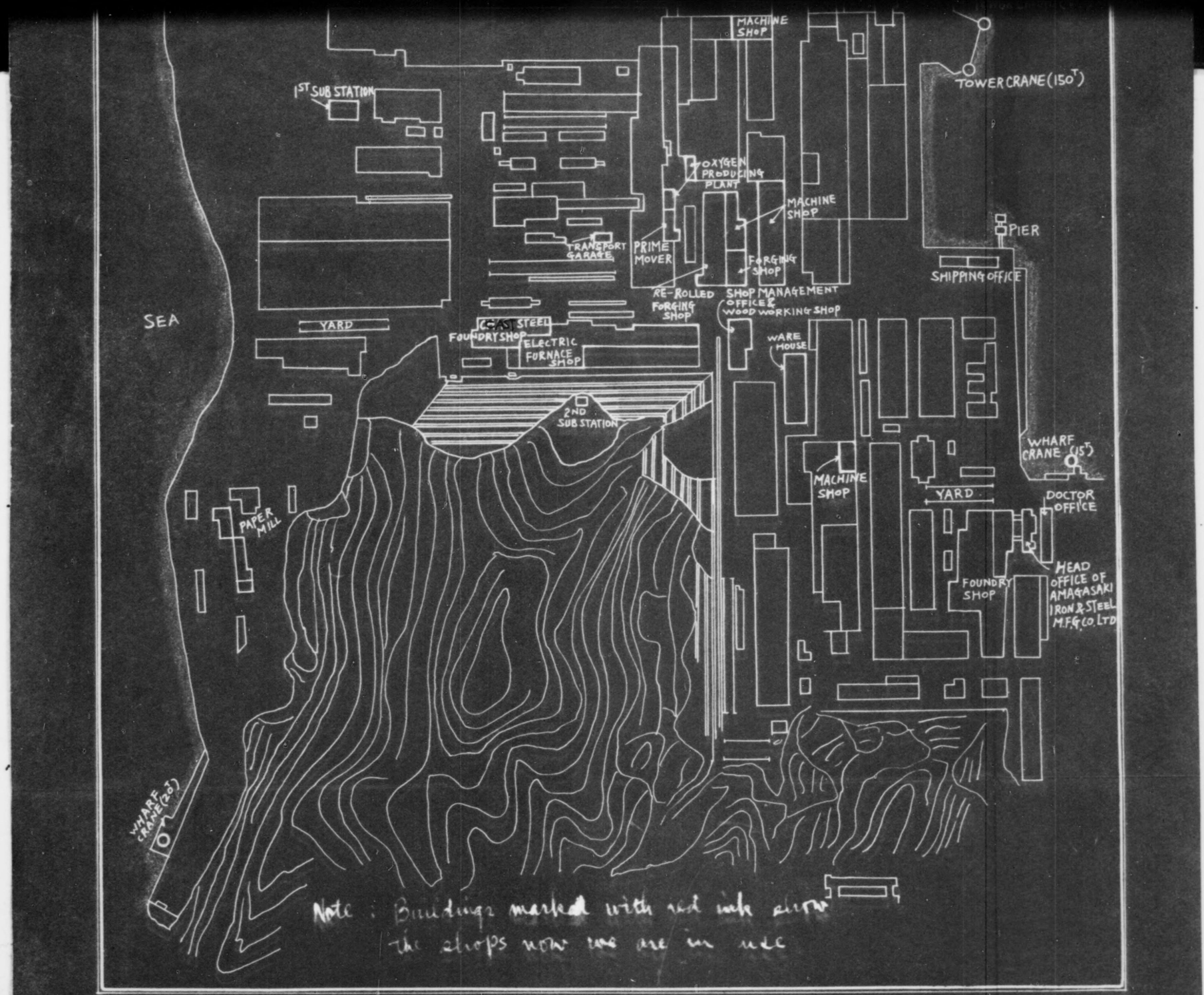
ELECTRIC FURNACE SHOP

WARE HOUSE

2ND SUB STATION

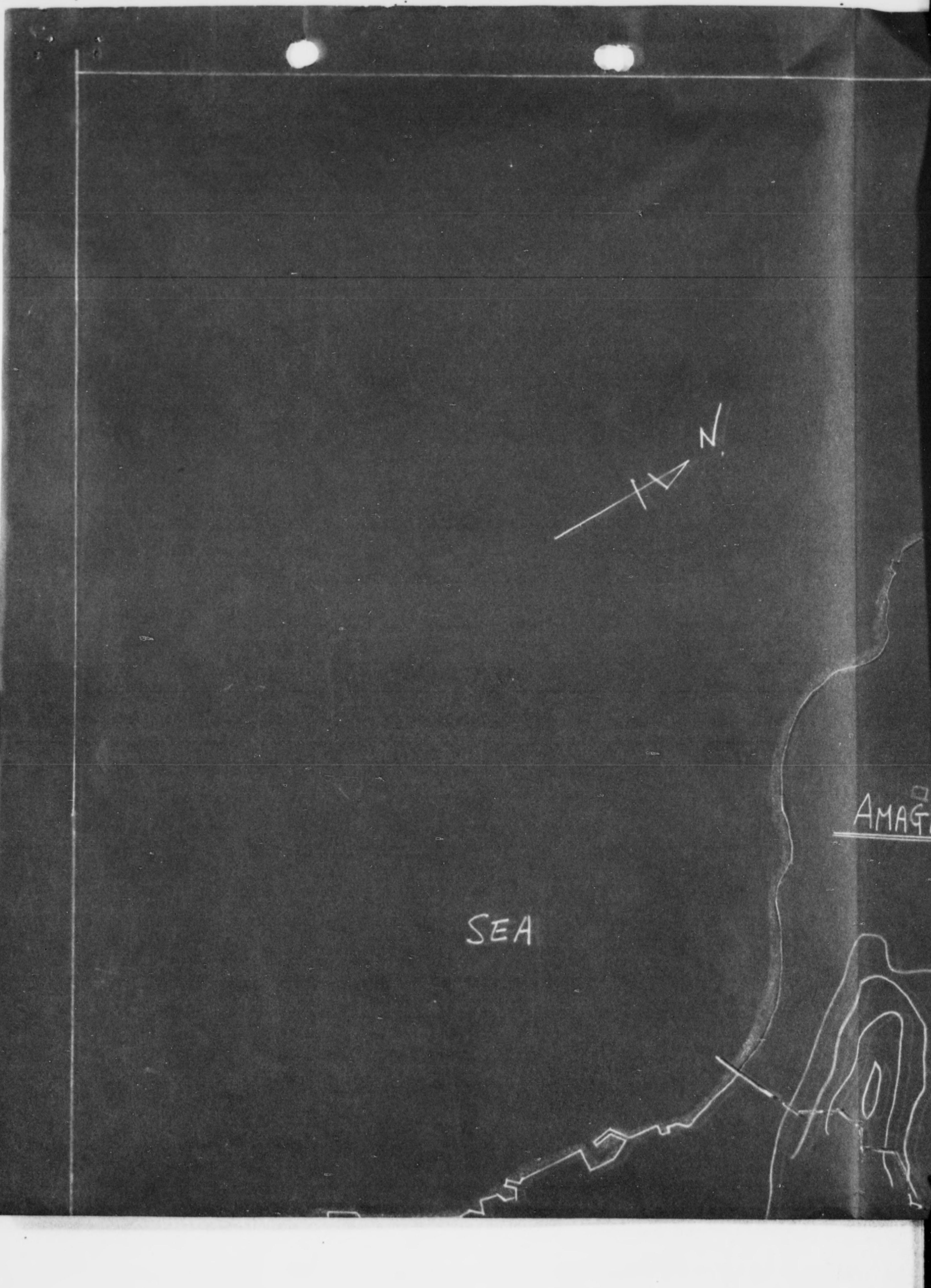
MACHINE SHOP

WHARF CRANE (5T)



DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO. 77 5013

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013



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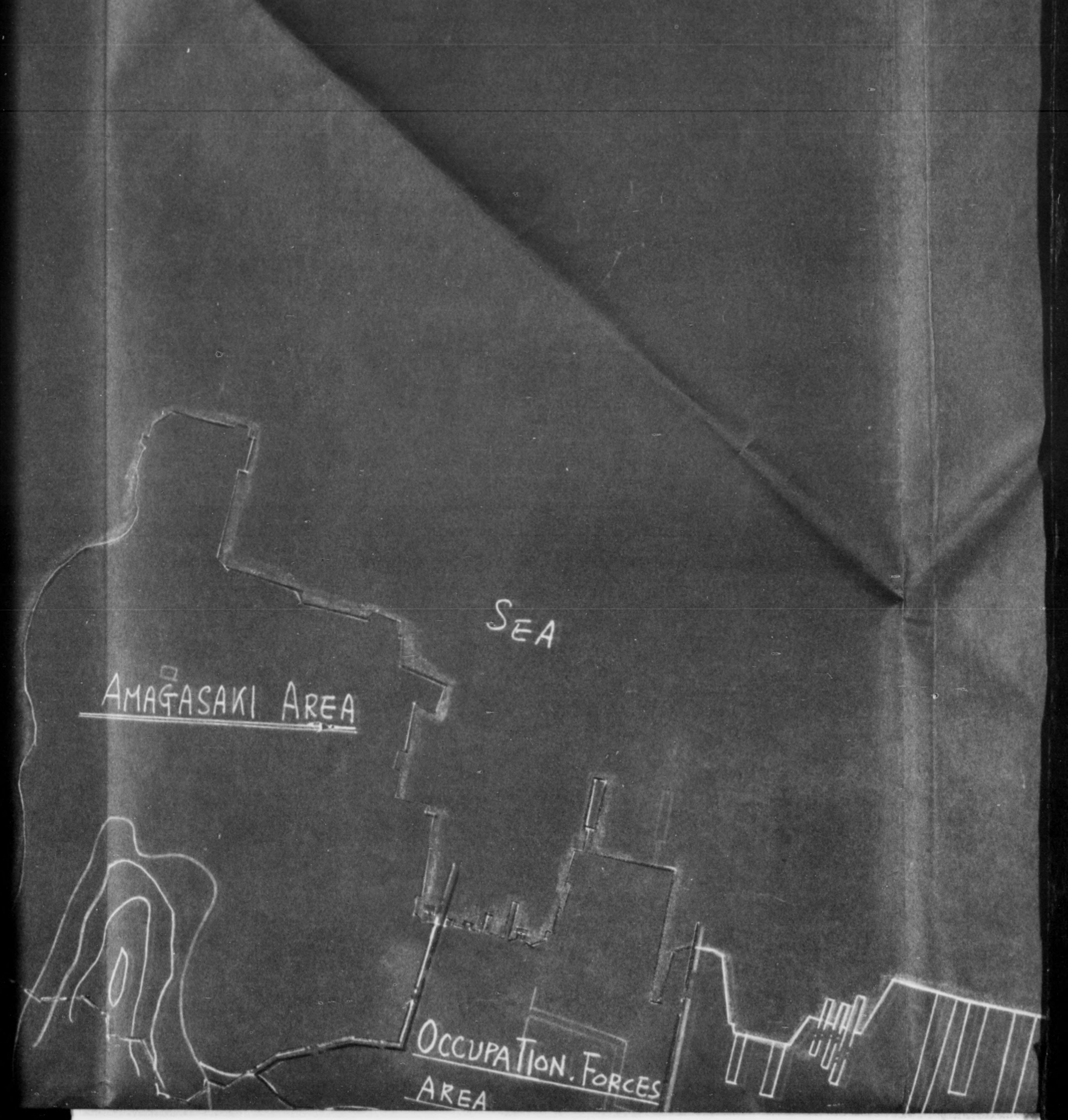

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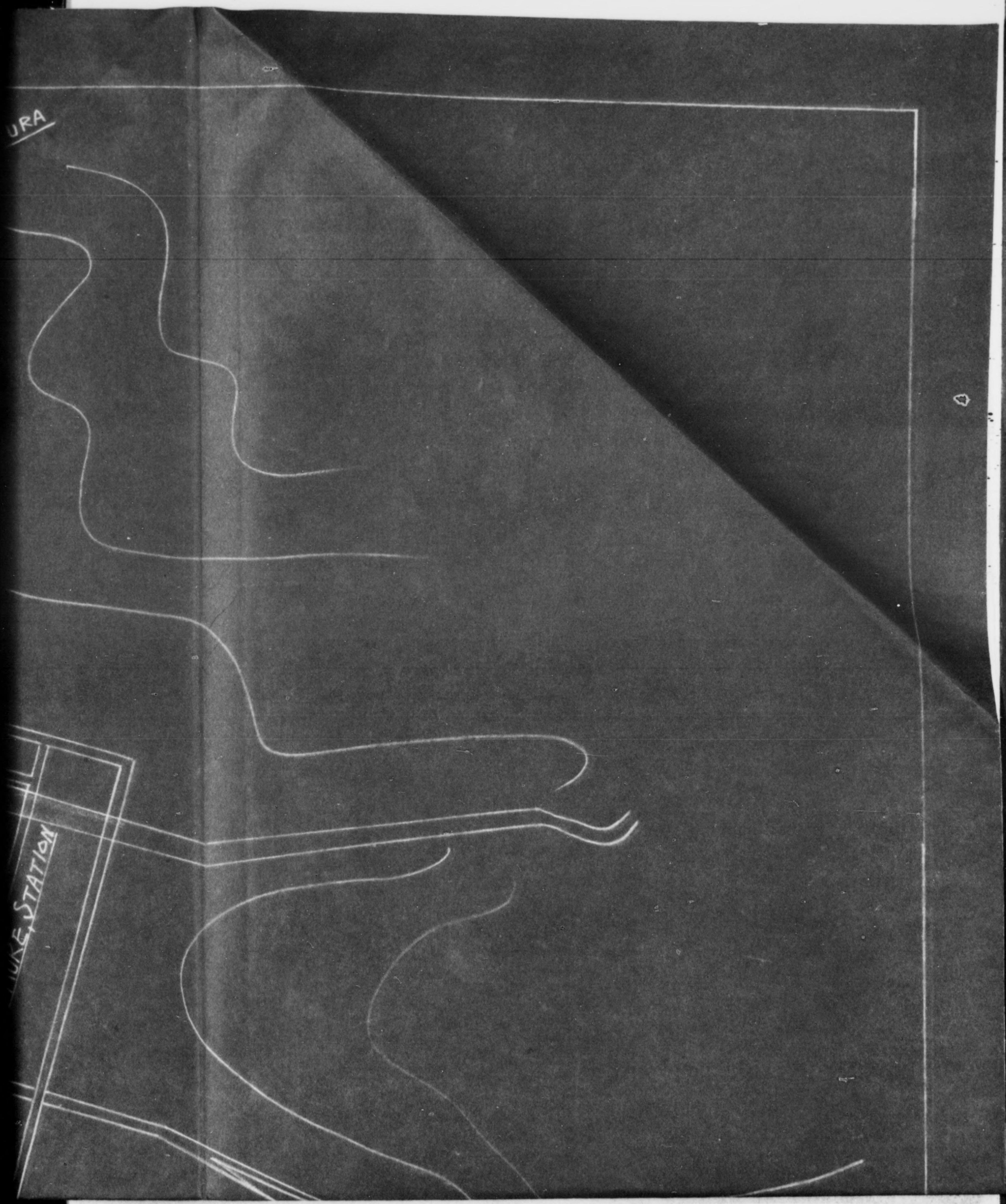

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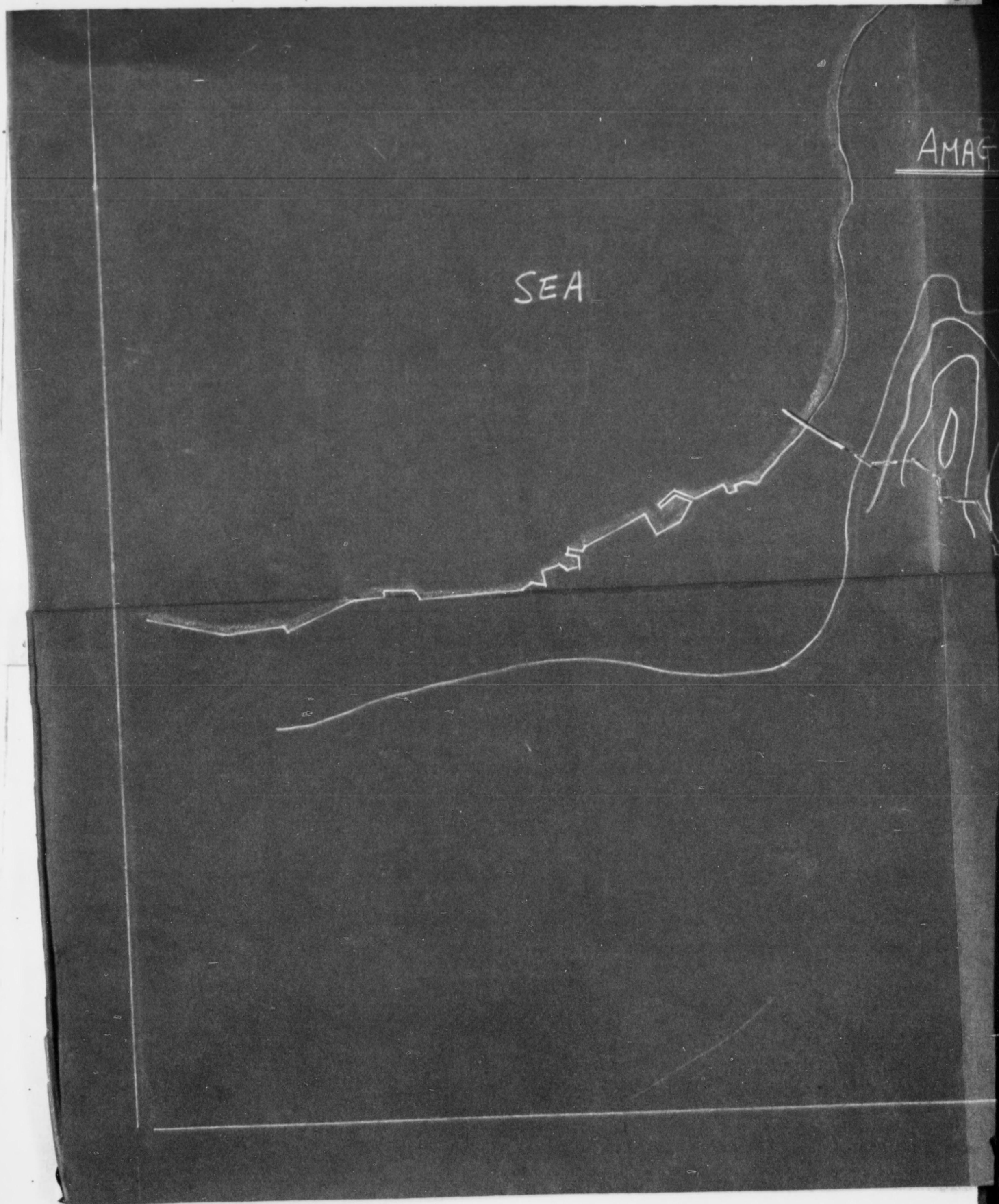

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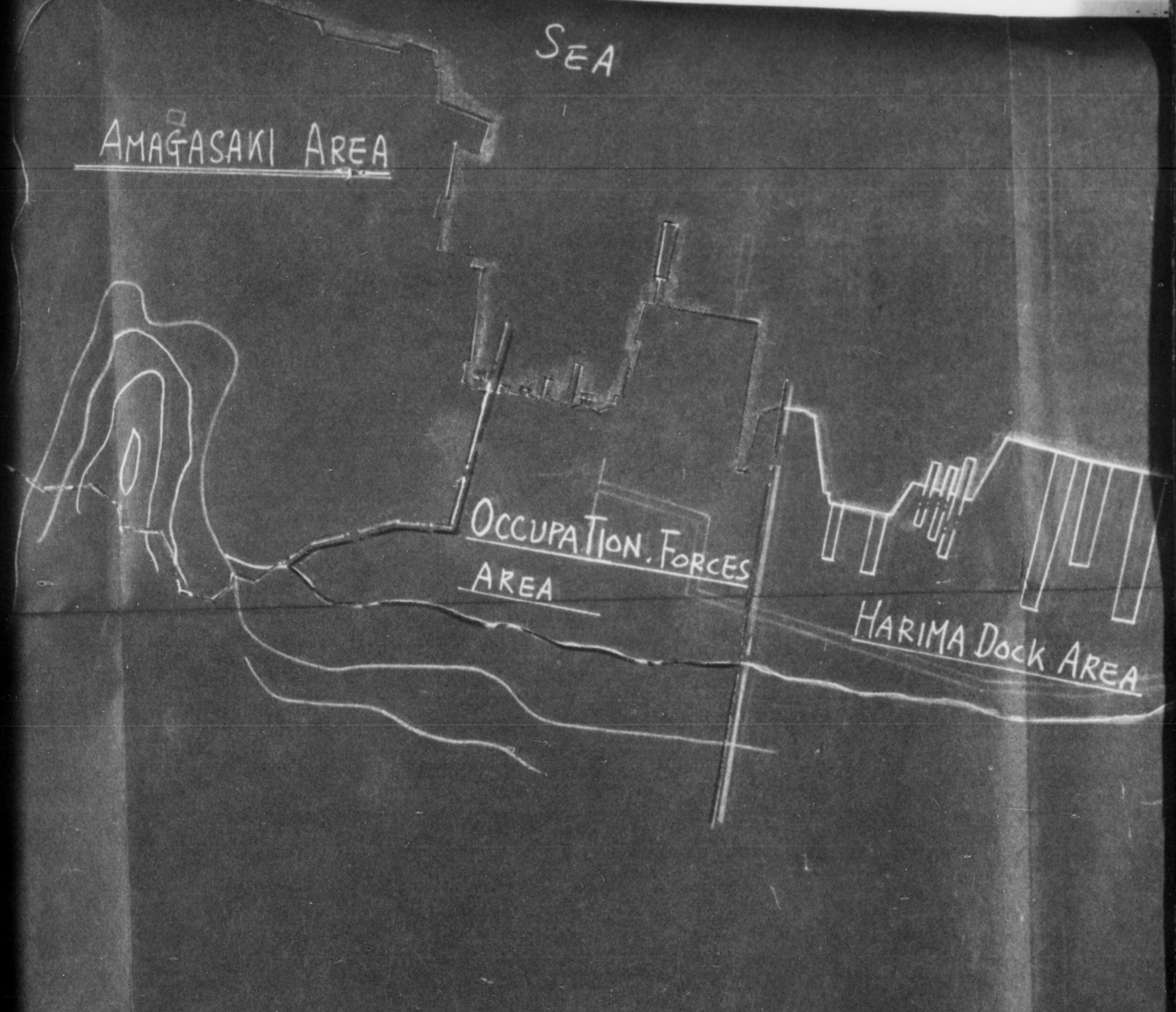

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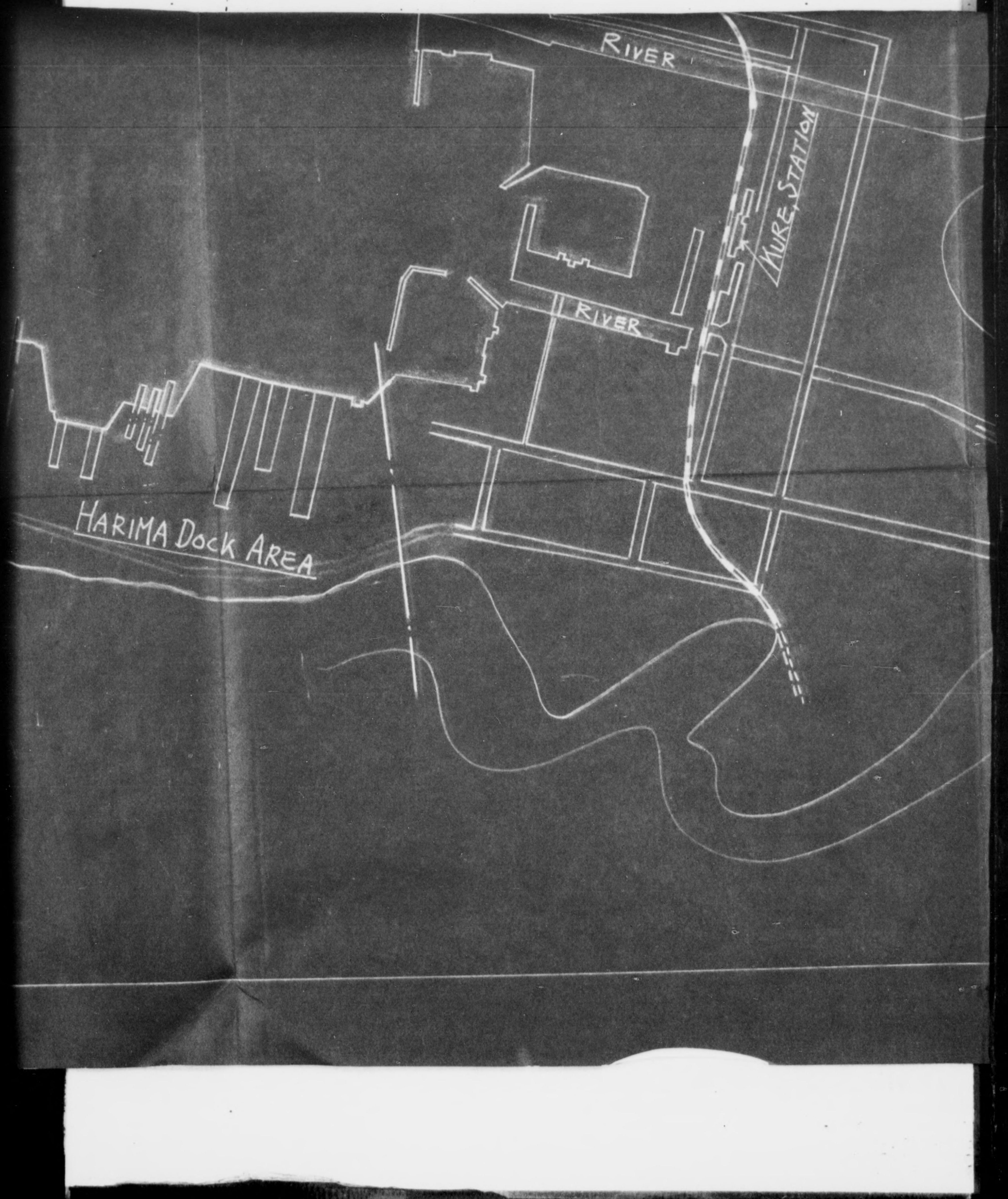

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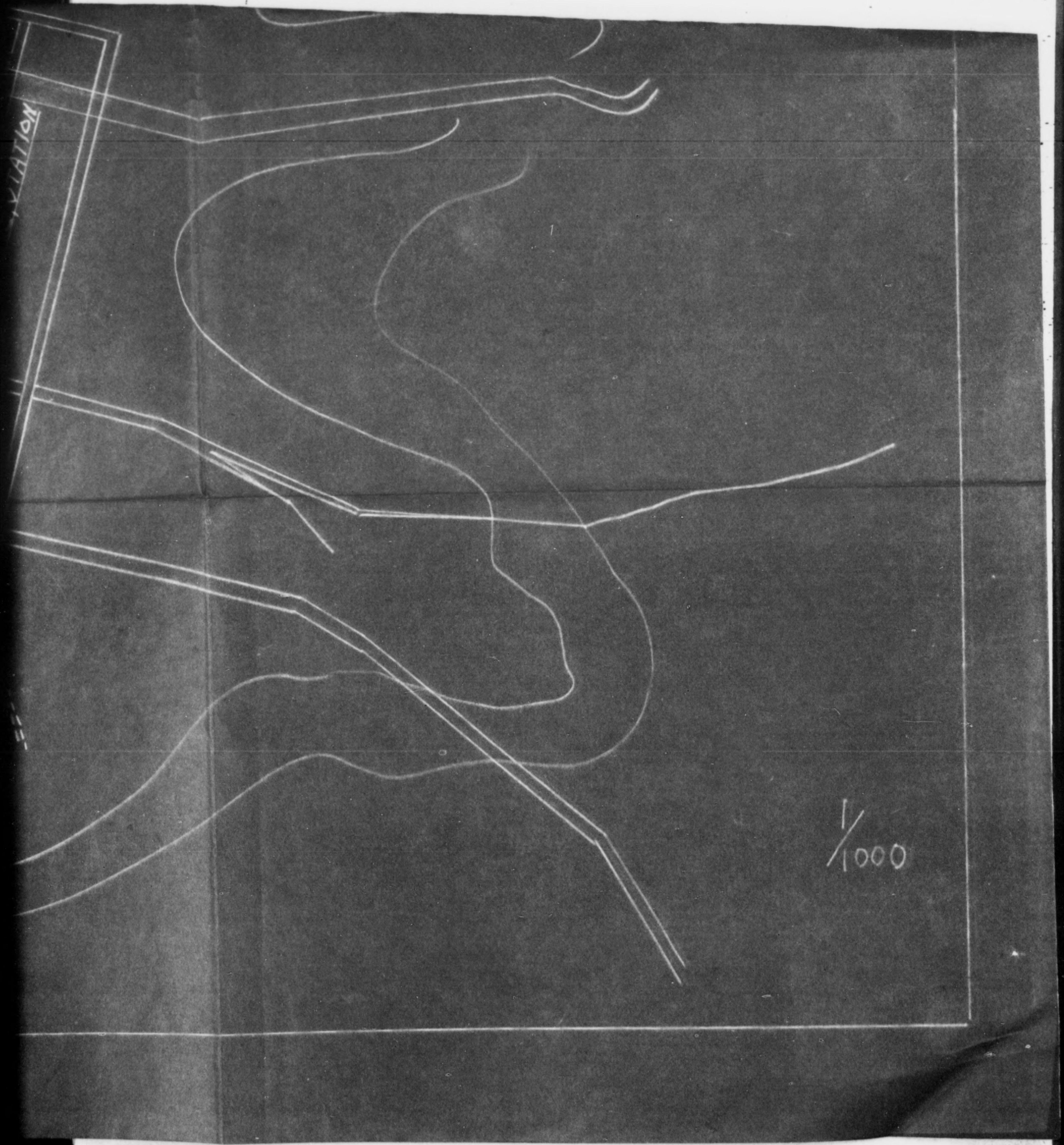

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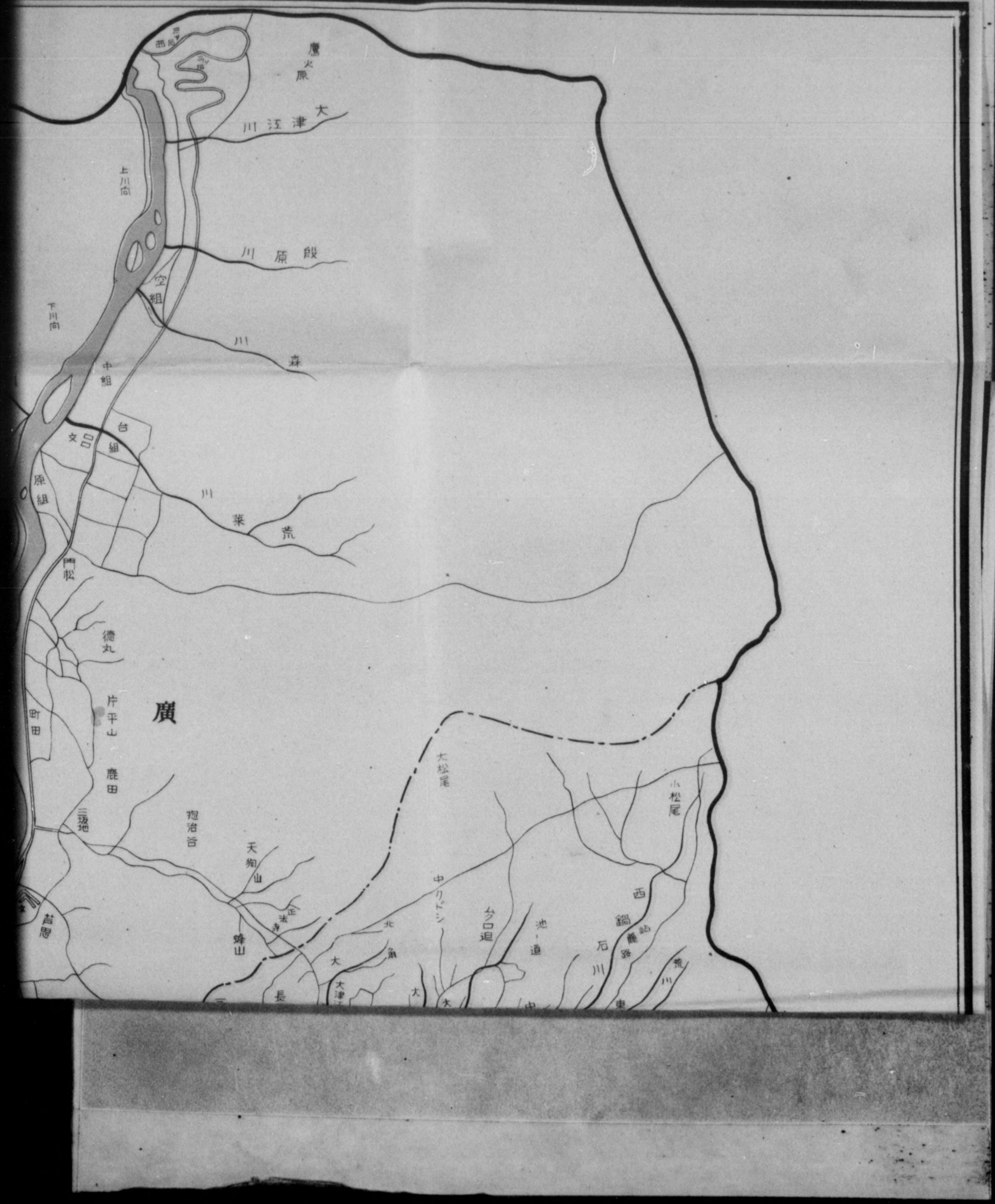

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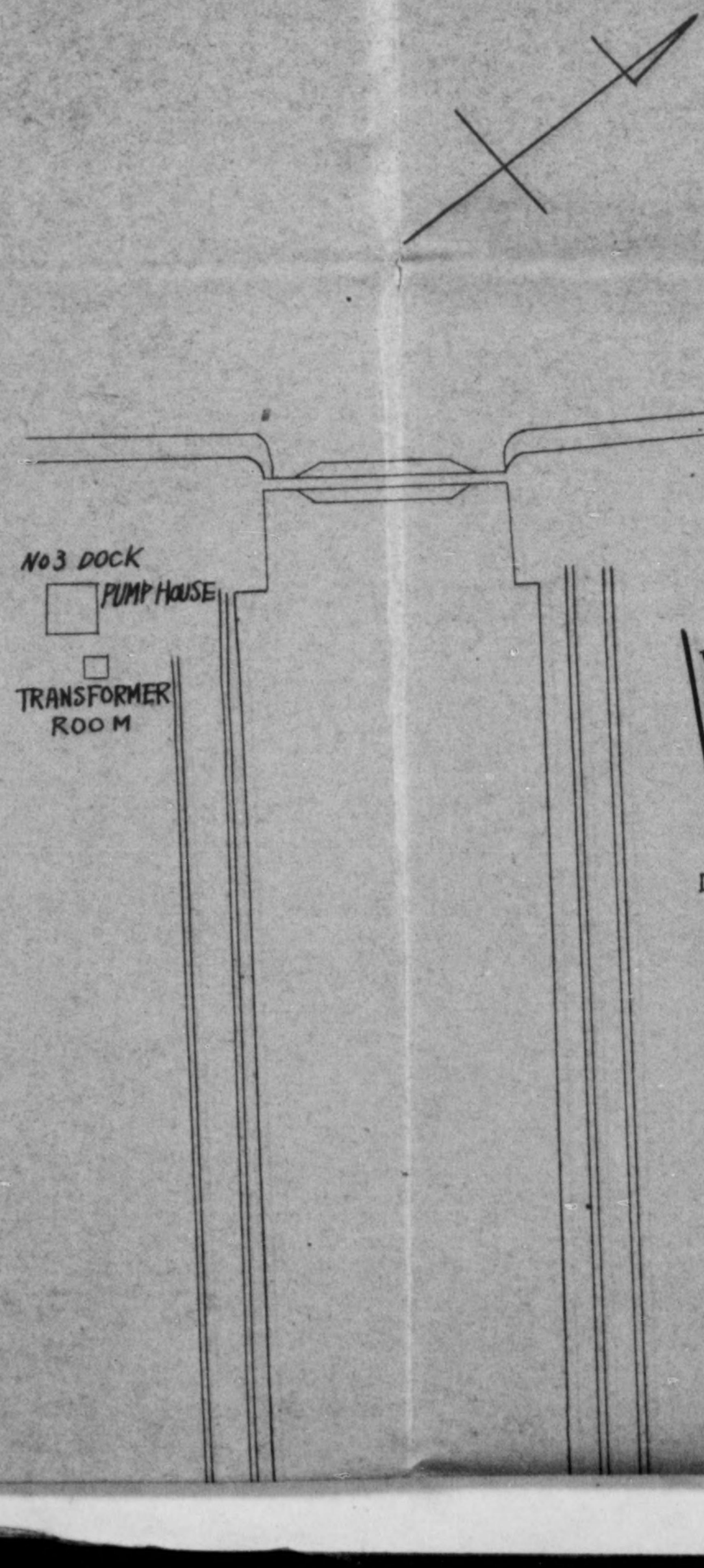
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

LAYOUT OF HARIMA SBW LTD

SCALE 1/1,000

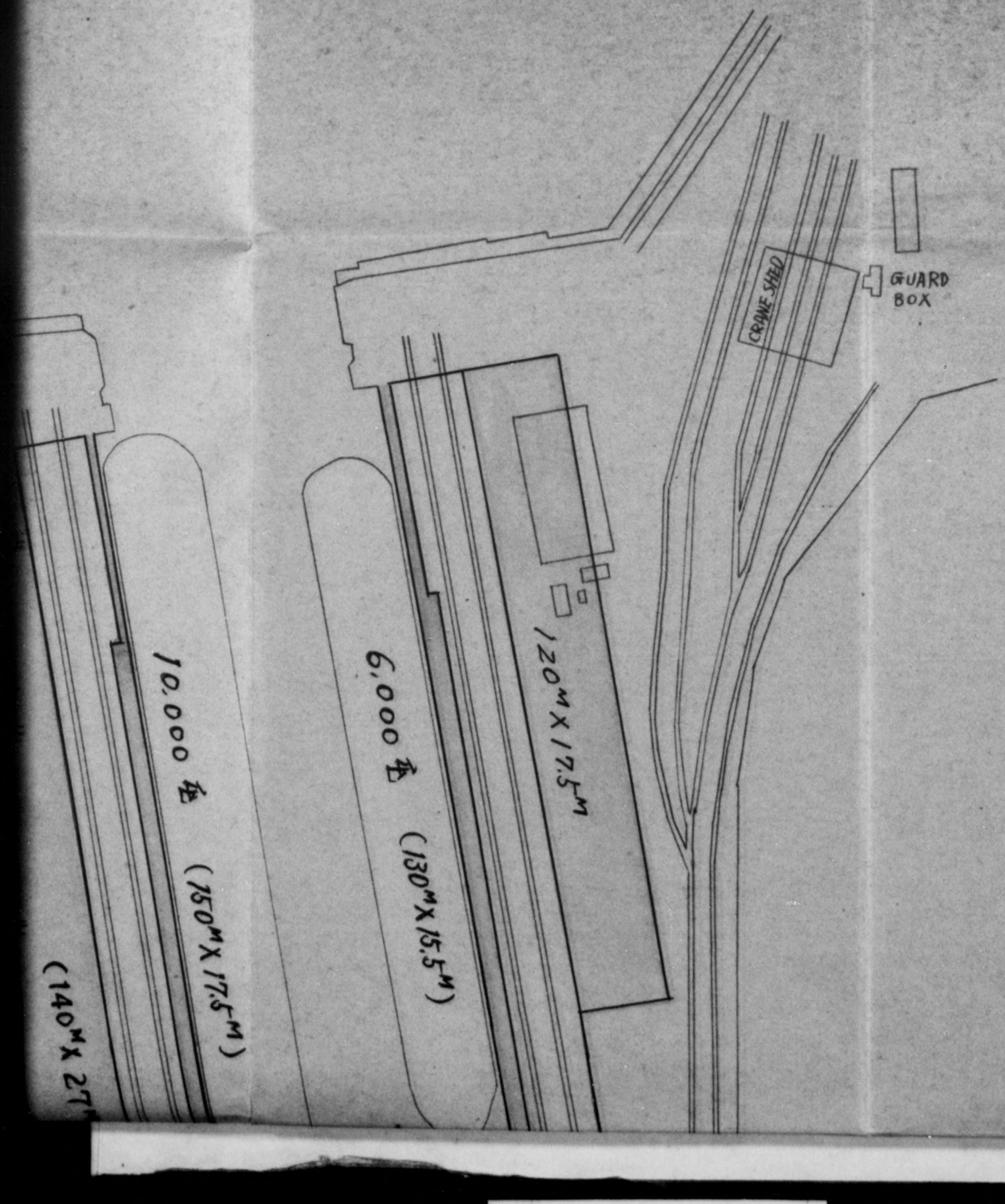


DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

OF PLANT

N LTD KURE DOCK

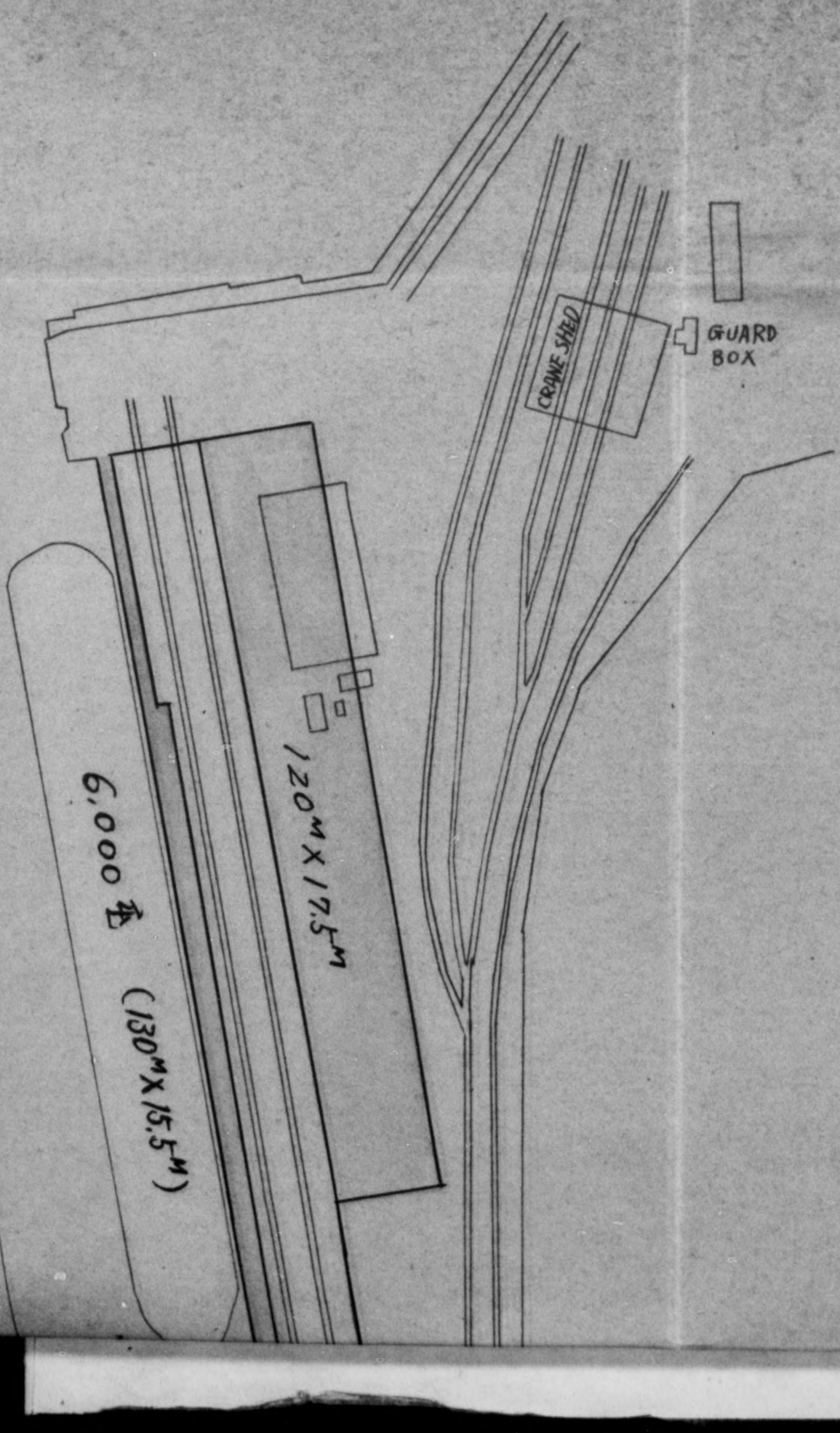
LE 1/1,000



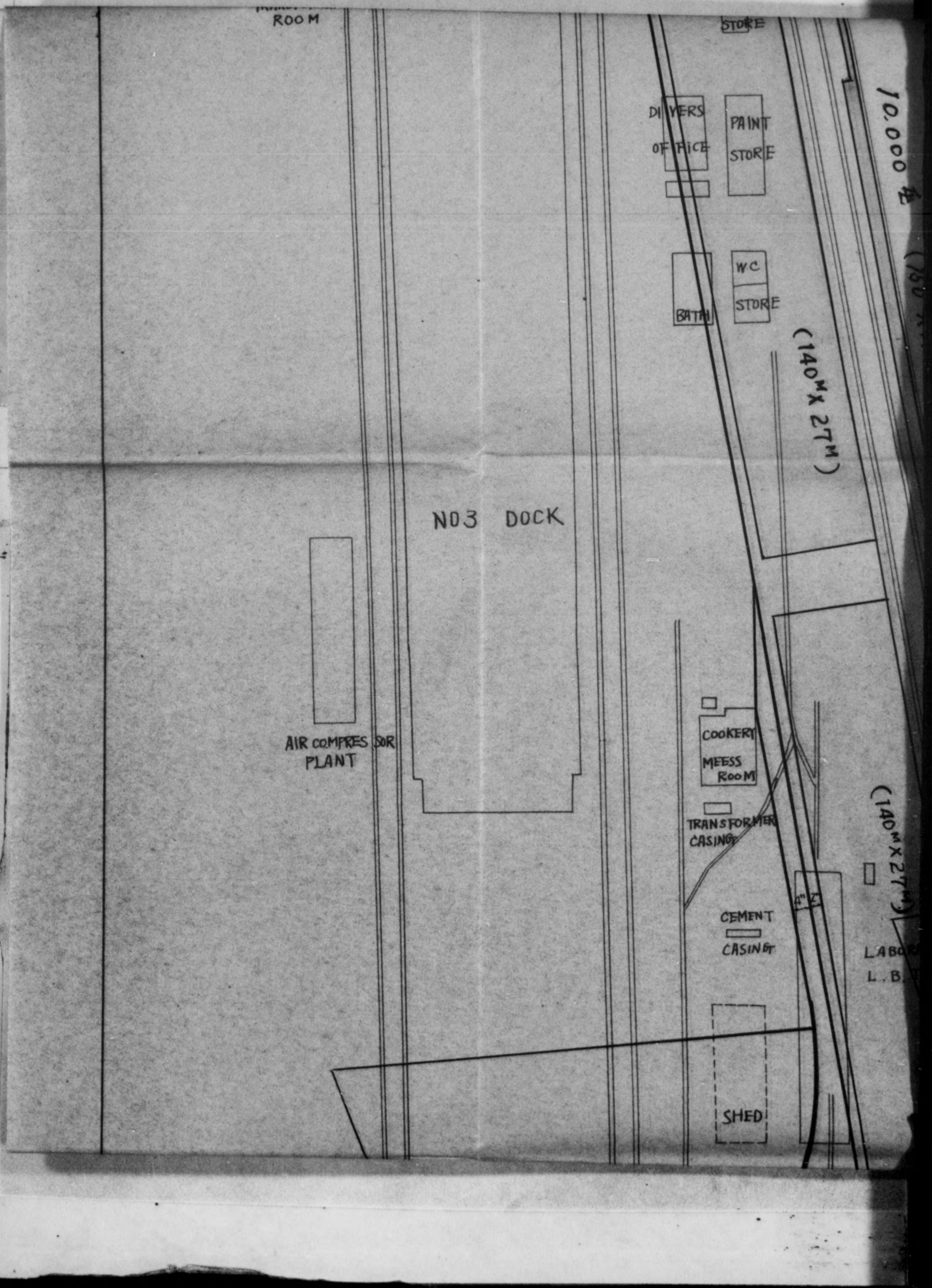
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

PLANT

KURE Dock



DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013



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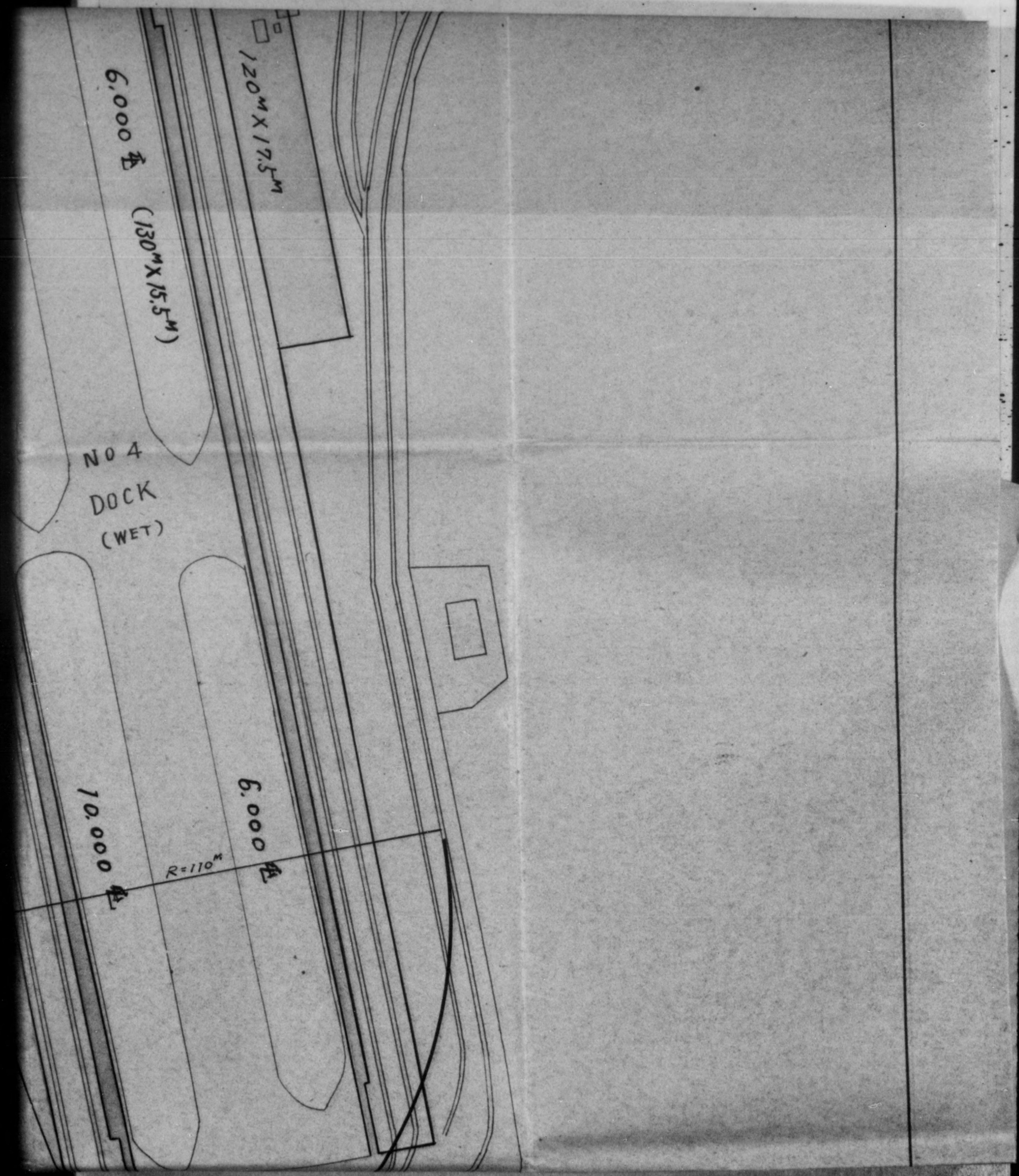

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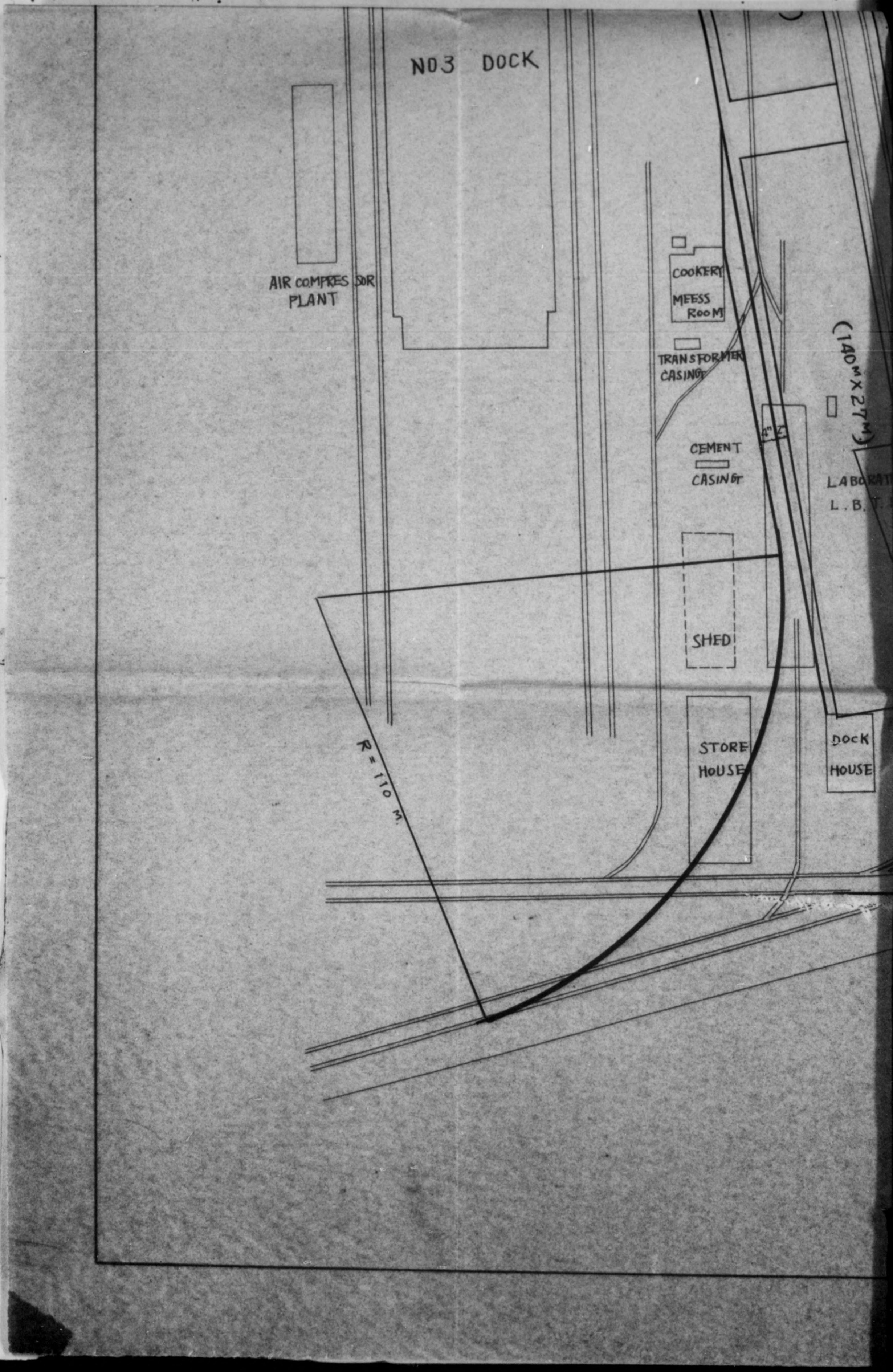

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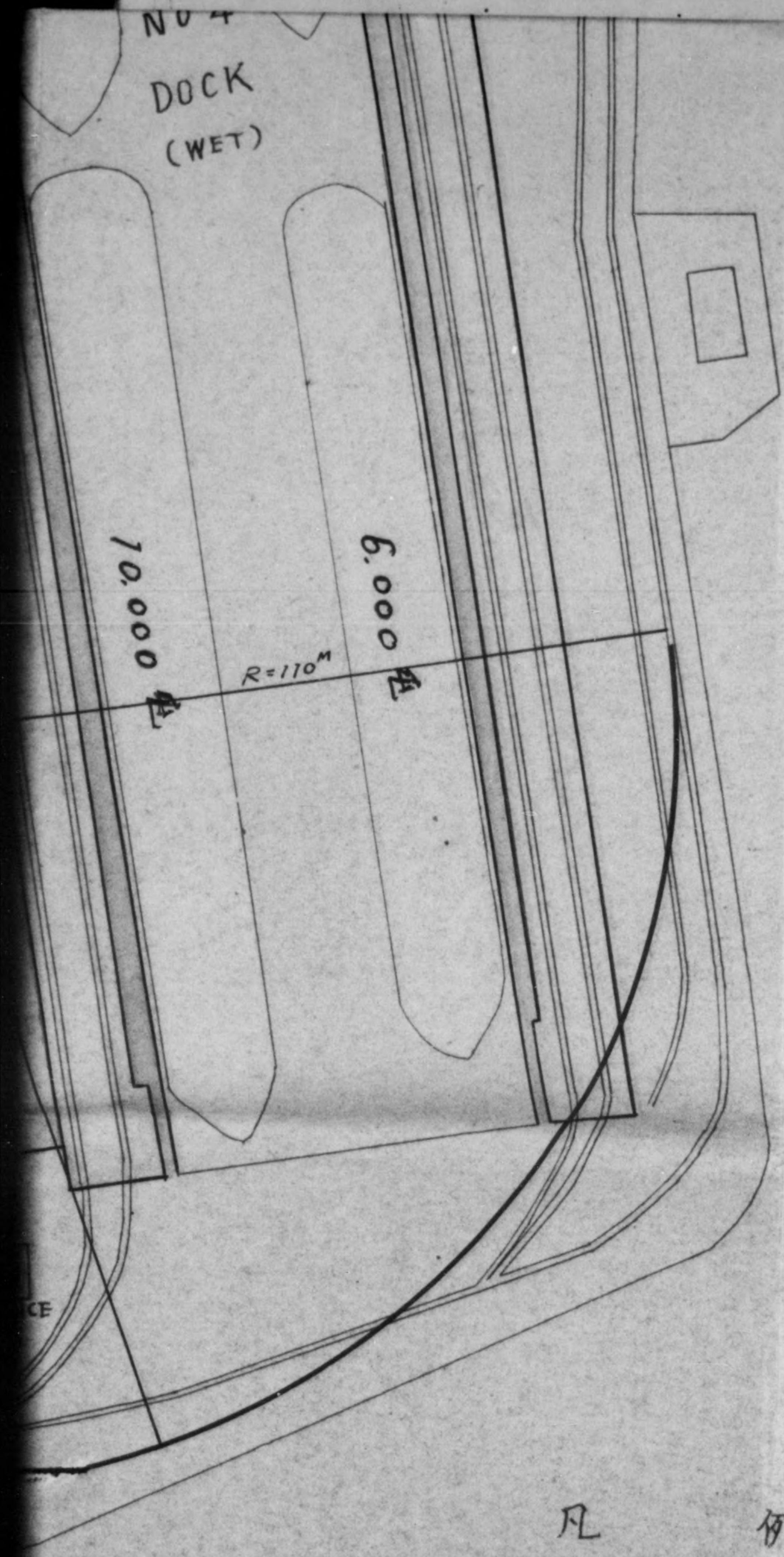
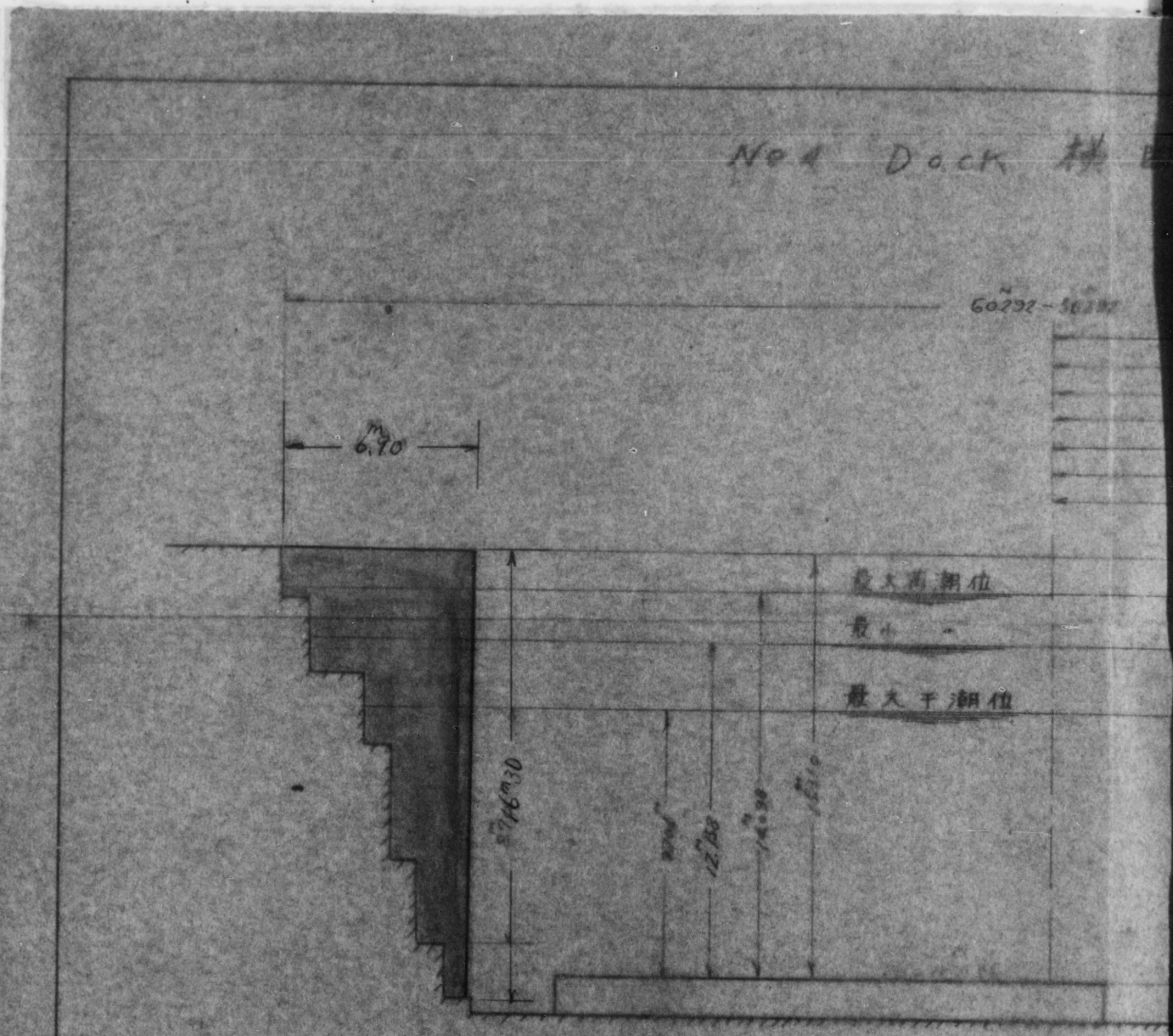


凡　　例

	上屋及倉庫	Shed & Ware house
	前庭舗装	Apron
	岸壁施設(横桟橋式)	Quay
———	臨港線新設	Rail Way

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013



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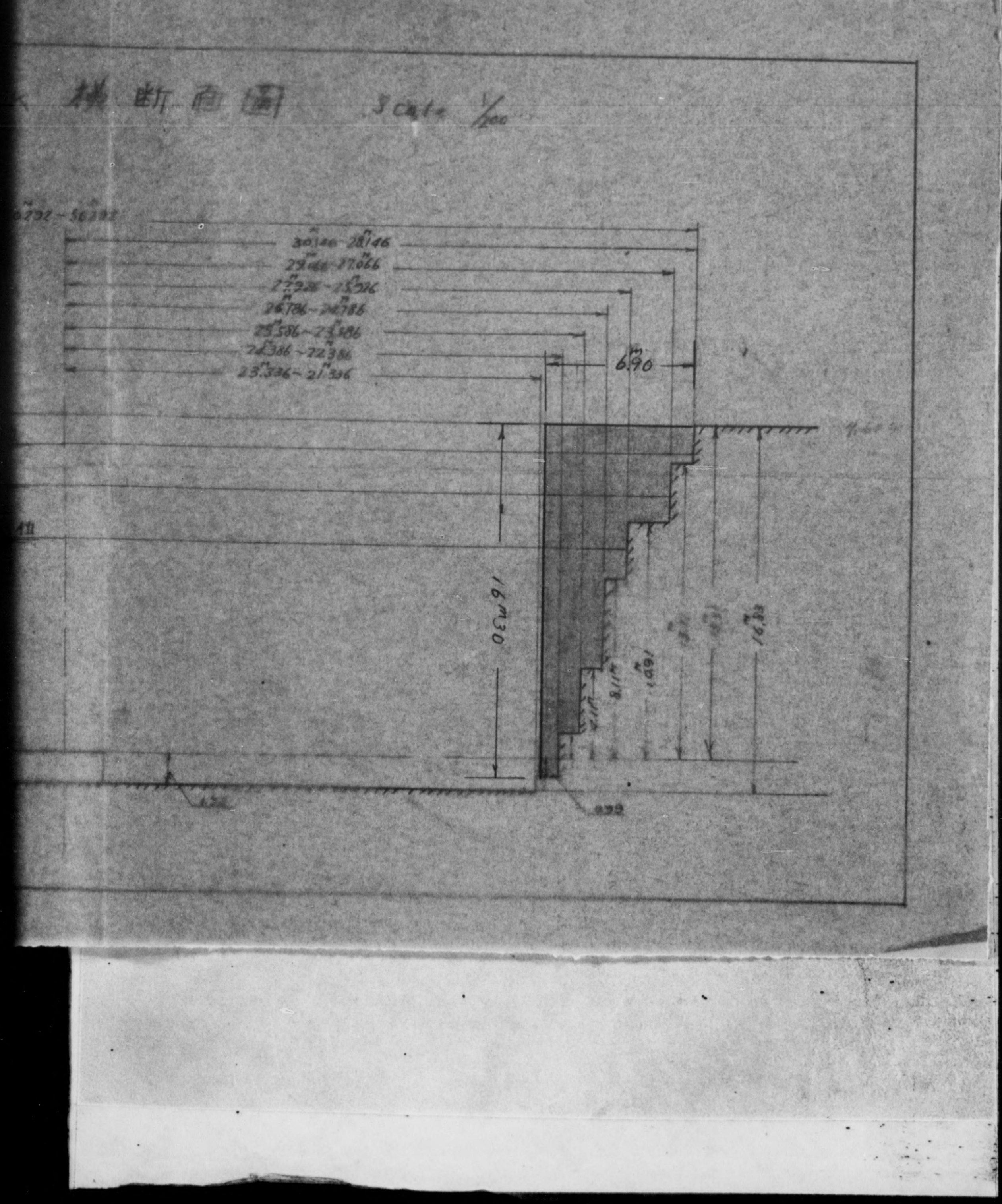
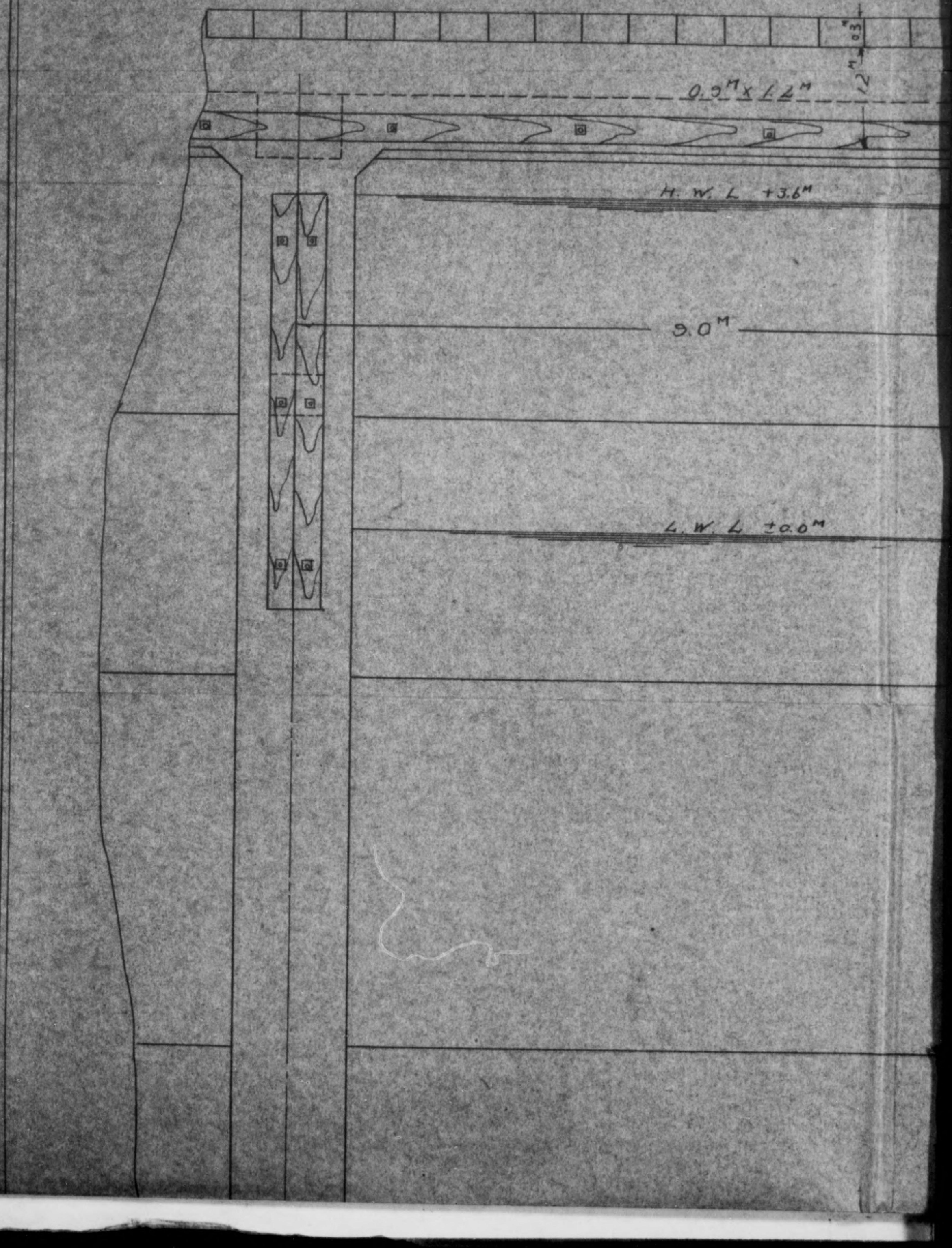


DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

NO 4

Plan

正　面　図



DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

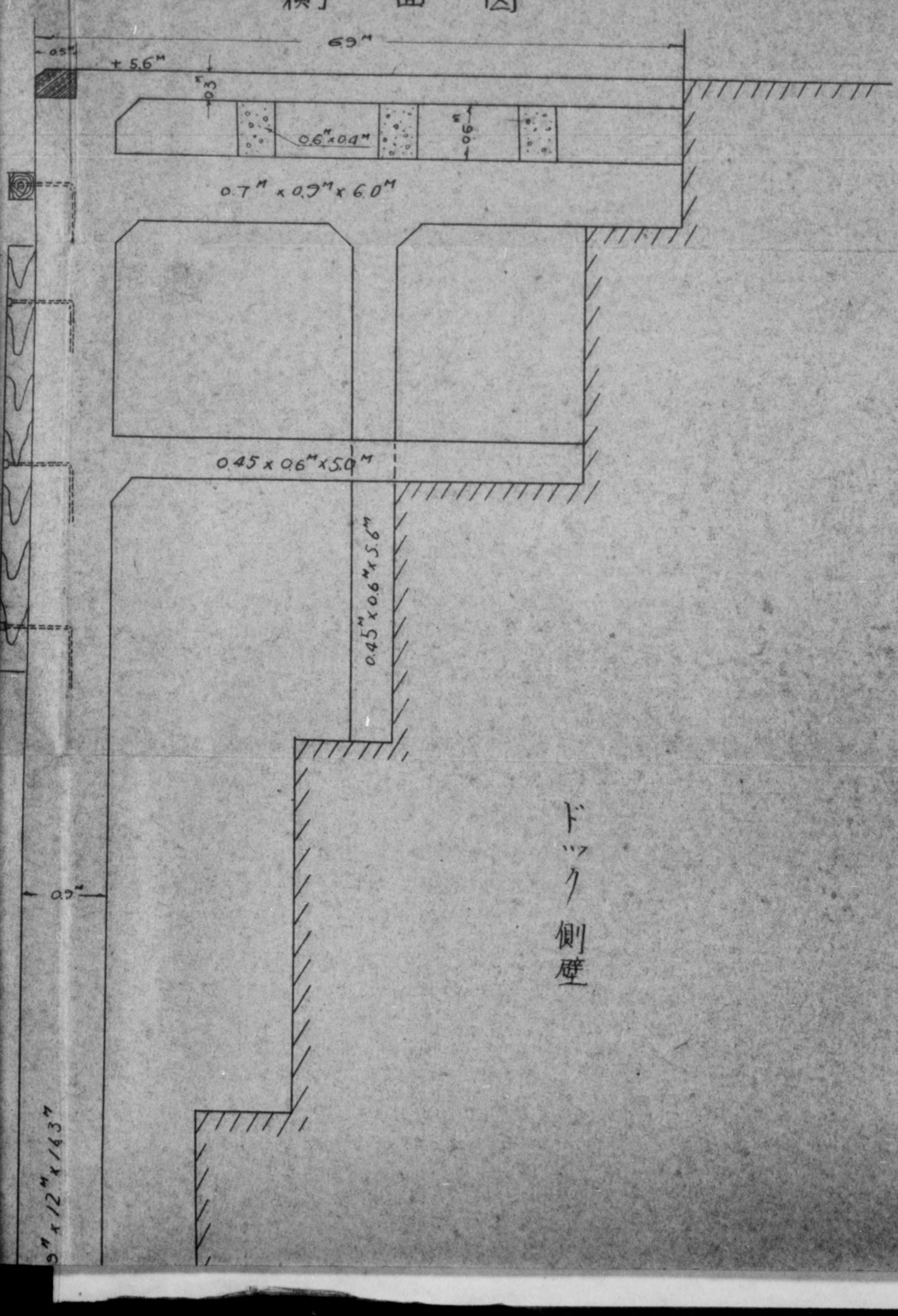
No.4 Dock 利用 Quay 岸壁 構造図

断面図

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

縮尺 $\frac{1}{50}$ Section.

側面図



下水 側壁

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

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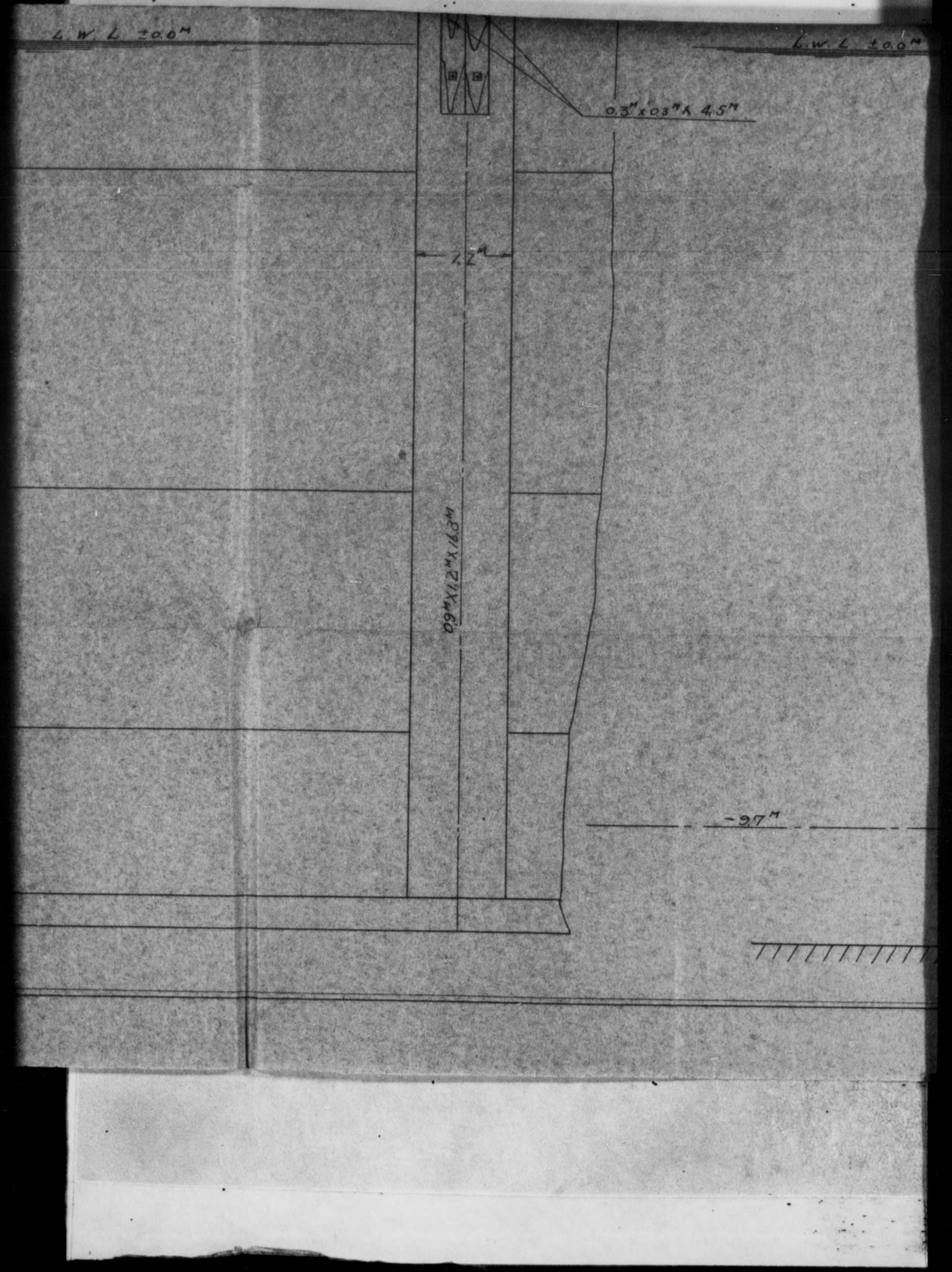

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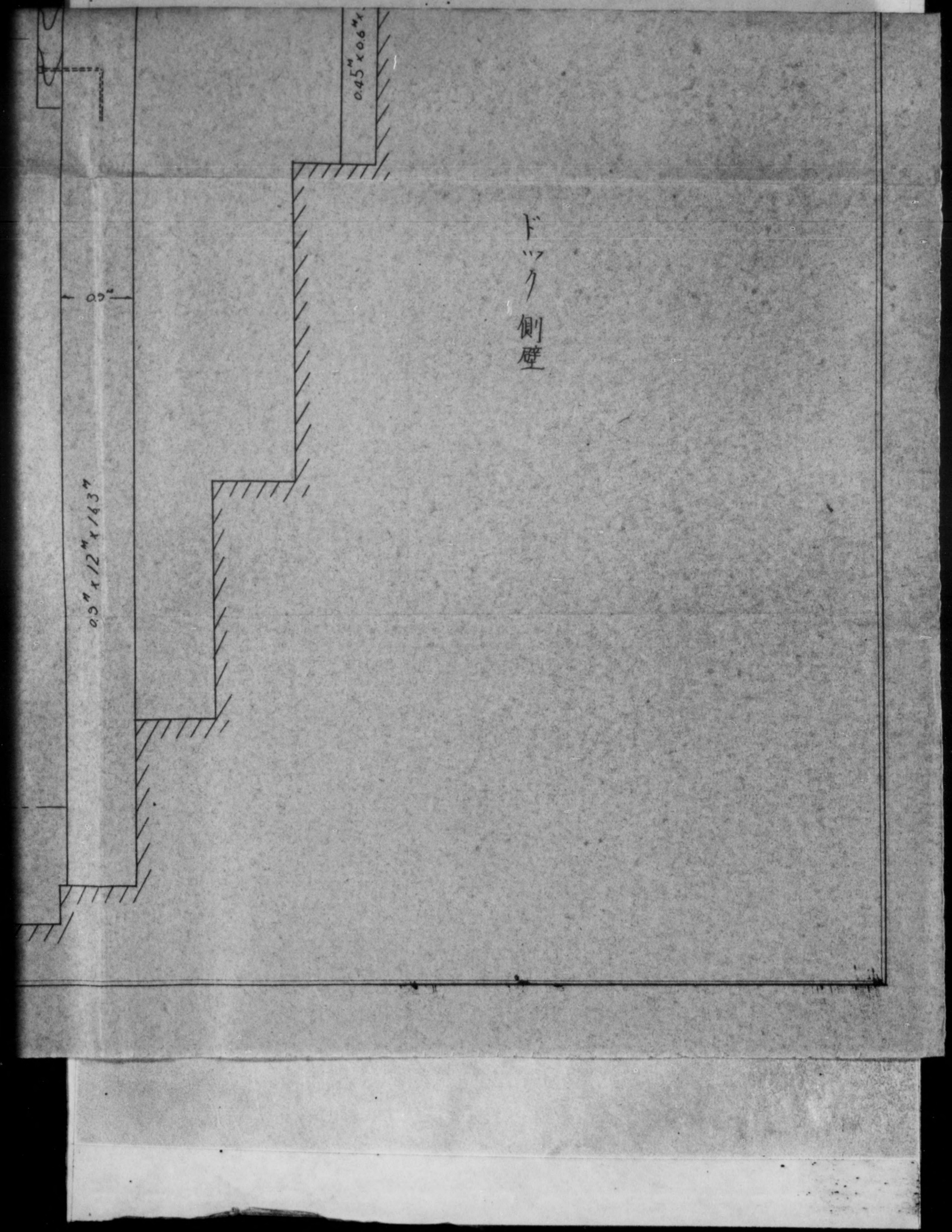

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

PLAN OF

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

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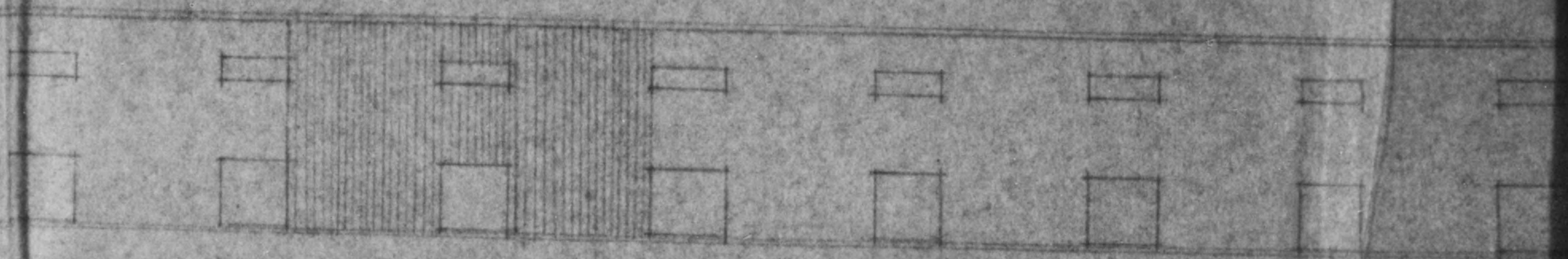
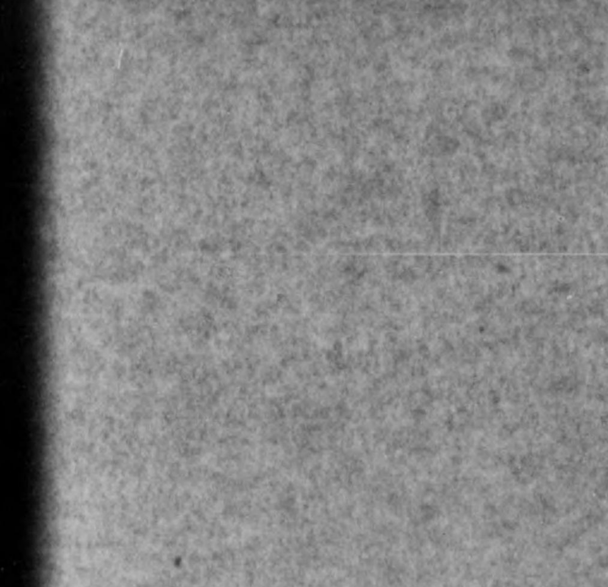


正面姿図

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

WAREHOUSE

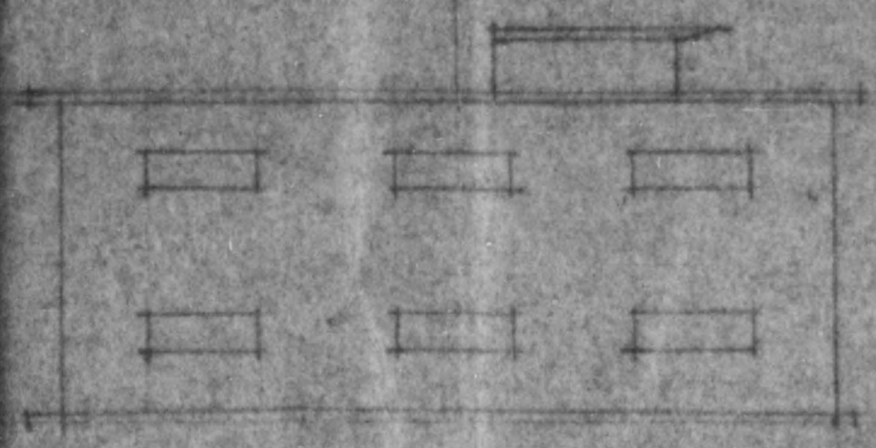
側 断 図



共市倉庫建設

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

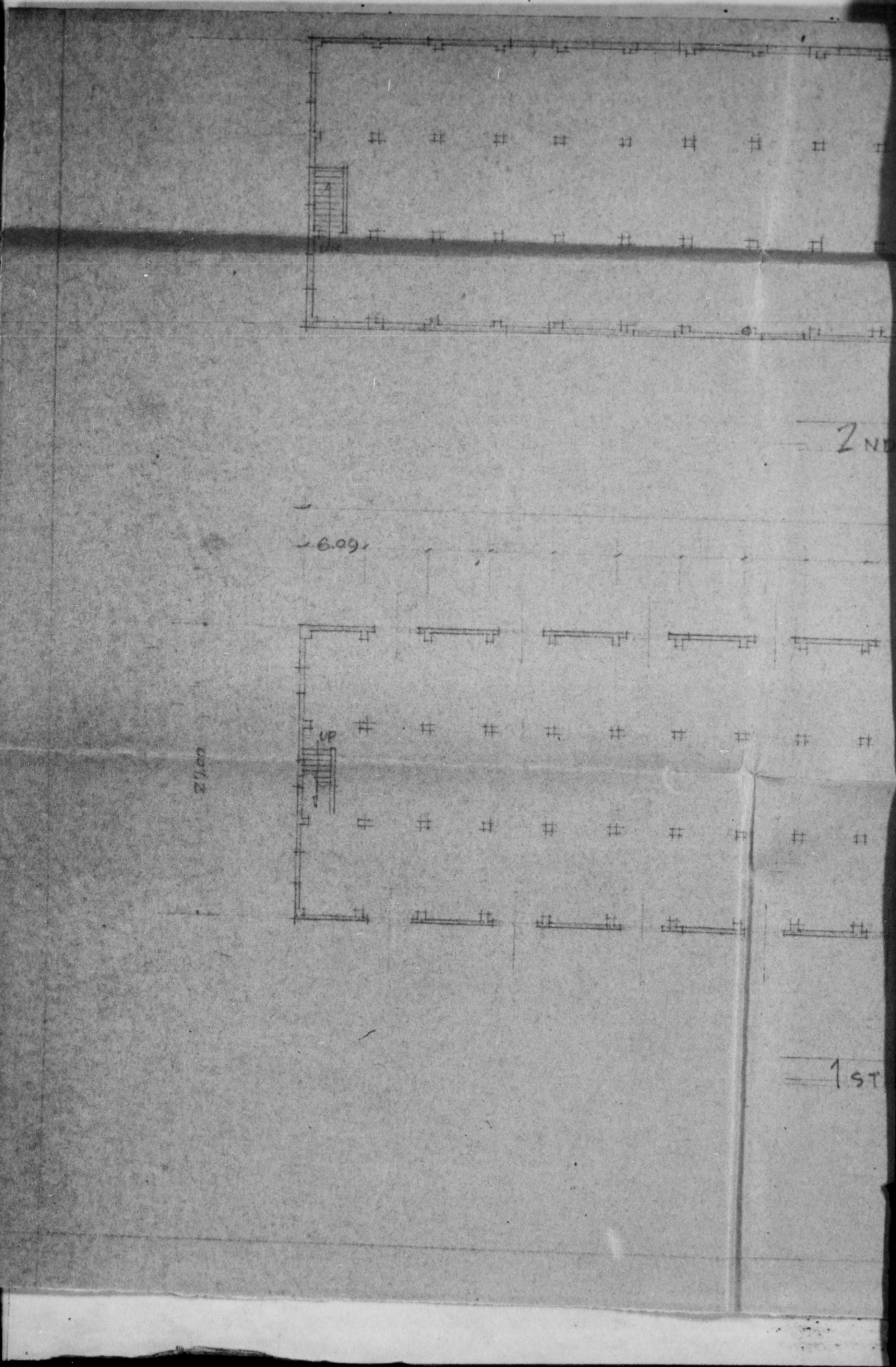
OUSE



側面図

県市倉庫建設計画図 S400:1

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013



DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

2ND 平面図

140.00M

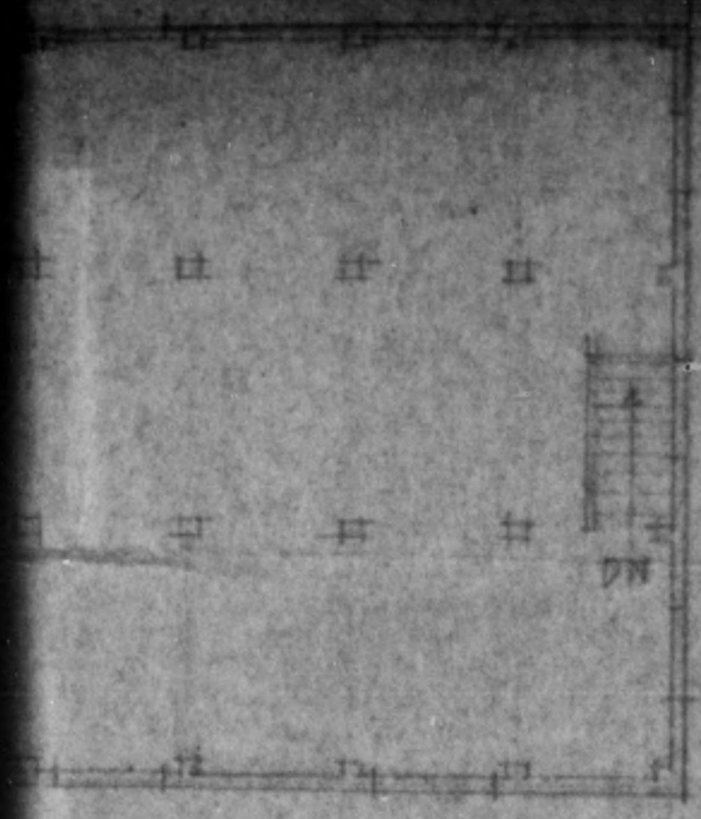
1ST 平面図

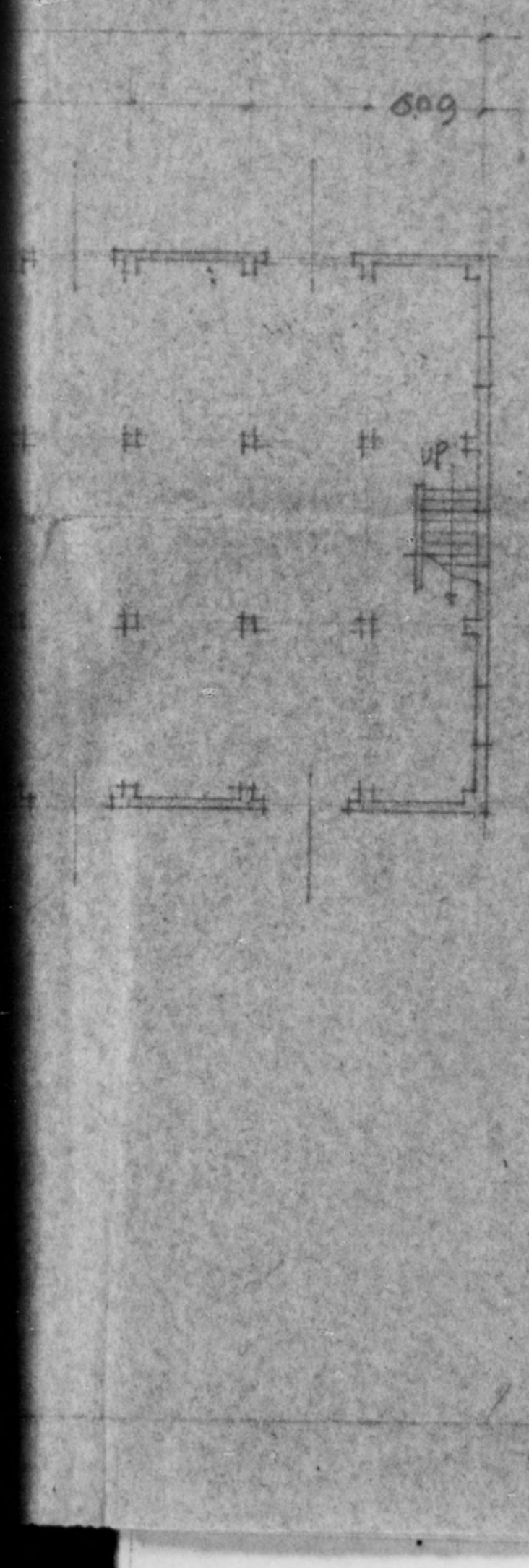
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

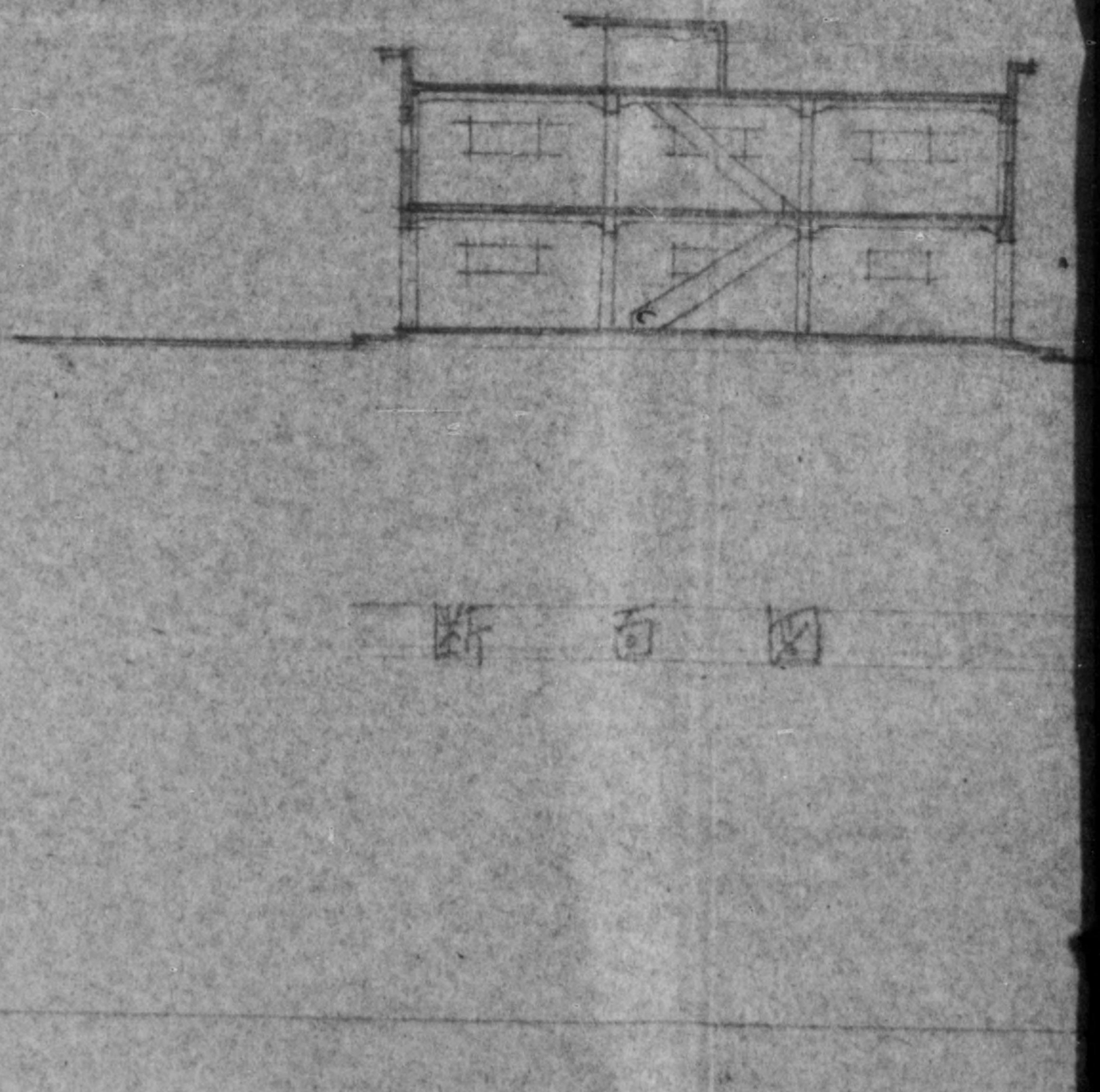
呉市倉庫建

建物面積

構造





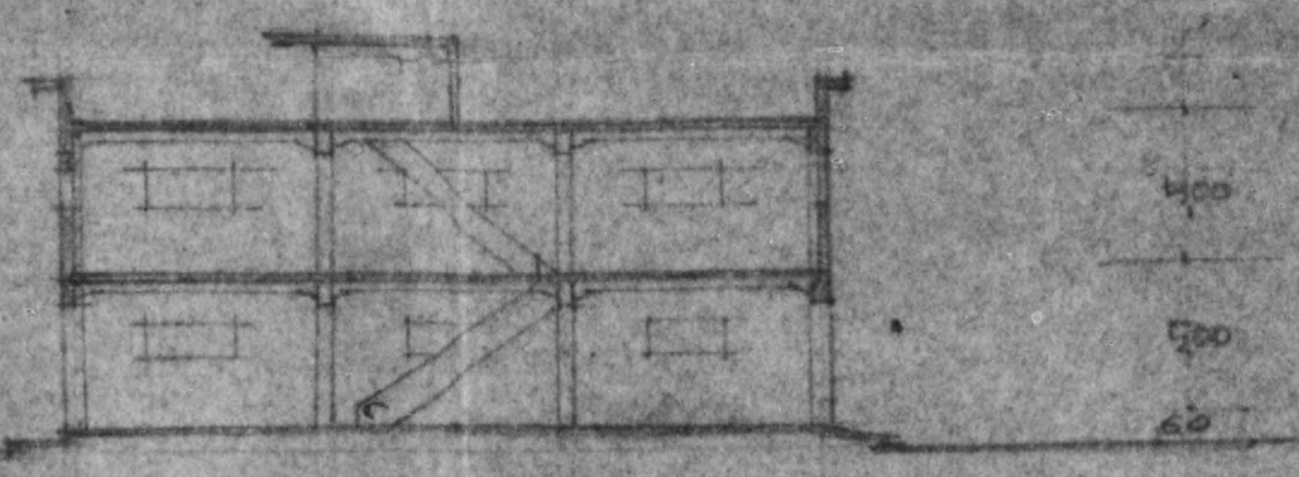


断面図

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

呉市倉庫建設計画図 S400:1

建物面積　階下 3.780M²　階上 仝 延 7.560M²
梁 7 27M　桁行 140M
構　造　鋼筋ヲンタル上



断面図

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Copy

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

9th Oct., 1950.

To: Ministry of International Trade & Industry.

From: Shinko Metal Industry Co., Ltd.
3449, Toyoura-mura, Shimonoseki-shi, Yamaguchi Pref.

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

Name: Chofu Plant,
Shinko Metal Industry Co., Ltd.

Code No.: Non designation.

Location of Plant:

3449, Toyoura-mura, Shimonoseki-shi,
Yamaguchi Pref.

MANUFACTURING AND INDUSTRY FILE 11-3

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

Former Name: Kure Naval Arsenal. Code No. 11-5
Miyahara-dori, Kure-shi, Hiroshima Pref.

Former No.: 11 Naval Aviation Arsenal Code No. 11-6
Hiro-machi, Kure-shi, Hiroshima Pref.

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

Name	Number
Secondary Metal Working Machines	9

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

Up to now, our company, as a maker of the raw materials of non-ferrous metals, has been producing the first goods of which are sheet, pipe, bar, profile and wire of aluminium, copper and its alloys as attached list, but in accordance with the development of chemical industry field, now we

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

wish to use the shearing machines to cut the raw materials in first process, the bending machines to form the body of tanks and cans, the mechanical press to punch or to form the sheet for manufacturing the secondary goods to suit with increasing of the demands of tanks, body of bars, coach and coal hopper, super constructures of vessels, building materials, parts of srtificial fibre machines, etc. From the view point of production costs, the increasing of raw material's efficiency and decreasing of go out of raw materials of the secondary goods will be shown about 10% lower and be encouraged about 10% lower cost of transport to the subcontract plant.

R. Takahashi

R. Takahashi
President
Shinko Metal Industry Co.,Ltd.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 50 13

List of the Desired Reparation Designated Machinery & Equipment

Shinko Metal Industry Co.,Ltd.

Name of Items	Name of Manufacturing Co.	Type & Dimension	Inventry No.	Operating or Idle	Number of Items	Remarks
Bending Machine		Max. size of work, W1240mm Th.80mm Roller 150mm, L 1380mm	11-5(6)1958	Idle	1	341
Bending Machine		Max. Size of work, L 1800xW 1200x T 3mm	11-6(11)108	Idle	1	83 Mei
Bending Machine			11-5(6) 334	Idle	1	1344
Bending Machine		L 1500xW 1000xT 1.5mm	11-6(11) 79	Idle	1	83 Mei
Shearing Machine	Ishihara Kyodai	Shear Cap. L 1250xT 3mm	11-6(8)1522	Idle	1	250
Shearing Machine			11-6(11)229	Idle	1	86 Mei
Shearing Machine		Shear Cap. L600xT 2mm	11-6(11) 81	Idle	1	88 Mei
Mechanical Press			11-6(11)100	Idle	1	84 Mei
Mechanical Press			11-6(11)142	Idle	1	85 Mei
				Total	9	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

List of Production (As of Aug. 1950)

Name of Plant	Kinds	Quantity(T)	Amount(Y10,000)
Moji Plant	Copper Sheet (Large size)	102.9	20,459,000
	Brass Sheet (")	11.2	1,935,000
	Naval Sheet	2.8	660,100
	Copper (Small size)	34.1	6,723,600
	Brass Sheet (Small size)	19.0	2,871,600
	Copper Pipe	116.5	24,885,800
	Brass Pipe	8.6	1,748,300
	Admiralty Metal Condenser Tube	21.9	4,998,800
	Almi Brass Condenser Tube	3.2	781,900
	Copper Bar	0.1	18,000
	Brass Bar	29.2	3,793,900
	Copper Belt	3.0	651,000
	Rail	36.9	3,541,400
	Others	1.0	327,000
	Total	359.4	73,398,400
Chofu Plant	Brass Wire	1.1	165,200
	Brass Sheet (Small size)	38.2	6,636,700
	Brass Pipe	27.1	5,368,000
	Brass Bar	1.0	172,400
	Brass Wire	72.7	10,279,100
	Aluminium Sheet	42.4)	
	Garvanized Aluminium Sheet	48.6)	24,220,400
	Original Sheet	106.4)	
	Aluminium Small Sheet, Wire	16.4	3,190,400
	Duralmin Sheet	100.2)	
	Original Sheet	10.1)	15,205,500
	Aluminium Profile	4.4	954,200
	Duralmin Profile	0.2	32,400
	Aluminium Pipe	2.0	561,000
	Duralmin Pipe	0.3	44,700
	Aluminium Bar	0.8	165,500
	Aluminium Wire	1.0	192,300
	Duralmin Wire	0.1	13,200
	Duralmin Rail	6.9	791,500
	Total	421.3 (48.6)	68,492,500
	Grand Total	821.7 (48.6)	141,890,900

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Facilities of Production

A. Plant:

Name	Land Area	Buildings	
Chofu Plant	65,411.61 Tsubo	Total area 25,095.68 Tsubo	
		Reinforced Concrete Building	4
		Iron Frame Building	12
		Brick Building	12
		Wooden Building	35
Moji Plant	19,887.38 Tsubo	Total area 14,580.17 Tsubo	
		Reinforced Concrete Building	4
		Iron Frame Building	15
		Brick Building	5
		Wooden Building	64

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

B. Machinery:

Name of Plant	Name of Machinery	Number	Remarks
Chofu Plant	Reflexible Furnace	22	
	Electric Furnace	72	
	Rolling Machine	35	
	Shearing Machine	22	
	Straightner	24	
	Extrusion Machine	8	
	Drawing Bench	17	
	Machine Tools	119	
	Wire Drawing Machine	4	
	Carpentry Machine	16	
	Crane	43	
Moji Plant	Reflexible Furnace	37	
	Electric Furnace	61	
	Gass Furnace	33	
	Rolling Machine	14	
	Shearing Machine	11	
	Extrusion Machine	6	
	Drawing Bench	40	
	Machine Tools	165	
	Carpentry Machine	14	
	Crane	20	
	Total	788	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Letter of Assent

9th Oct., 1950.

To: Ministry of Finance.

From: Shinko Metal Industry Co., Ltd.

Sirs,

I, the undersigned, hereby assent for the custodian of Kure Naval Arsenal (11-5) and 11th Naval Aviation Arsenal (11-6) to take burden of the responsibility pertaining to maintenance of the reparation designated machinery and equipment, list of which is attached to the application herein, belonging to the above Arsenal, after the same were moved into Chofu Plant, Shinko Metal Industry Co., Ltd.

R. Takehashi

R. Takehashi
President
Shinko Metal Industry Co., Ltd.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

YOKOHAMA SHIPYARD & ENGINE WORKS
EAST JAPAN HEAVY INDUSTRIES, LTD.

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

Date: Oct. , 1950

To : Minister of Finance

From : Yasuke Kotake, General Manager
Yokohama Shipyard & Engine Works,
East Japan Heavy-Industries, Ltd.

Address: 3-chome, Midori-cho, Nishi-ku,
Yokohama.

MANUFACTURING AND INDUSTRY
FILE 11-5
Sec 2

(1) Name (Code No.) and location for the plant which intends to use designated reparation machinery and equipment:

Yokohama Shipyard & Engine Works, (19 - 68)
East Japan Heavy-Industries, Ltd.
3-chome Midori-cho, Nishi-ku
Yokohama.

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

Former Kure Navel Arsenal (11 - 5 (6))
Miyaharadori, Kure City
Hiroshima Prefecture.

(3) List of designated reparation machinery and equipment to be moved and used:

Herewith attached.

Submitted to F. Ministry
21 Nov. 1950

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

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

(A) Our yard is, at present engaged in the construction of large type export vessels (two 8,500 D.W.T. freighters respectively for Panama and France, and one 2,000 D.W.T. oil tanker for the Brazilian Government), three domestic use (two 18,000 ton oil tanker and one 9,400 tons cargo boat) repairs to foreign and domestic ships, production of marrine and land diesel engines, generating house work, manufacturing of tobacco making machines and paper making machines, and iron structure works.

We wish to contribute to the reconstruction of Japanese economy and development of export industry through the aforementioned activity of our yard.

(B) Our Yard started operation in 1891. Half of our present machines are worn out. We are planming to inprove machine tools, testing machines and other equipment in order to raise products accuracy and work efficiency, prevent miscarriage, rationalized shop management, reduce production cost.

Especially, in order to raise product quality, it is necessary to use superior machine.

(C) To accomplish this purpose we applied to borrow plano miller in the Kure Naval Arsenal.

Large amount of cost and long period (13,500,000 yen and about one year) is supposed to be needed for repairing and preparation.

However we noticed that two electric motors attached to this plano miller, detailed in attached sheet, have been registered.

We earnestly desire to borrow the said two motors for our work in hand and to save cost and time to buy new ones.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

(D) The purpose of using these machines are as per shown in attached sheet.

Such been the case we beg you to acknowledge our situation and ask for your kind consideration upon our request, we remain

Yours truly,

For

General Manager
Yokohama Shipyard & Engine Works,
East Japan Heavy Industries, Ltd.

Attached:

Approval of the applicant concerning responsibilities of custody for designated reparation machinery and equipment.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

List of Facilities for Application

Code No. : 11 - 5 (6)

Name of plant : Former Kure Naval Arsenal

Address of plant : Miyaharadori, Kure City
Hiroshima Prefecture.

Inv. No	Name	Specification	Qty.
11 - 5 (6)-3,406	Electric motor	D. C 60 HP	1
11 - 5 (6)-3,407	"	20 HP	1
		Total :	2

Remark:

The electric motors are to be used for driving large type plane miller in former Kure Naval Arsenal, which is under application for borrowing.
The plano miller's main productions are bed plates for diesel engine, engine column Cylinder and other large type parts.

Approved
Oct 1951

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

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

TO: Minister of Finance

From: Tatsuo Morito,

The president, Hiroshima University,

Higashi-Senda-Machi, Hiroshima-shi, Japan.

Date: Sept.28, 1950.

(1)Name (Code No) and Location for the plant which intends to use designated reparation machinery and equipment.

Department of Physics, Faculty of Science, Hiroshima University.

Higashi-Senda-Machi, Hiroshima-Shi, Japan.

(2)Name (Code No) and Location of the plant where designated repa ration Machinery and equipment to be used actually exist.

Formerly Naval Arsenal of Kure II-5(6)-

1-Chôme, Kegoya-Cho, Kure-Shi.

(3)List Designated reparation machinery and equipment to be moved and used.

See on the annexed paper.

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

The above machines are necessary to investigate ultra-violet spectra and to determine wavelengths and intensities of spectral lines from spectrograms in the research on spectral analysis and that on spectroscopy. Before the war's havoe, several kinds of spectographs for ultra-violet region, microphotometer and others were equipped with, and investigations on the spectral properties of metallic vapors were chiefly carried on, in the laboratory of optics and spectroscopy in the department of physics of this university; the results being reported in the Scientific Report of this university, the "Butsurigaku-Kôenshû (Eng.: Symposium of Physics) edâtted by the Monbushô -

MANUFACTURING AND INDUSTRY FILE II-5 Sec II

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Gakujutsukyoku" (Section on Science of the Department of Education) and the "Gakujutsu-kenkyū-kaigi" (Council on the Scientific Research), and others. But, on the war's havoc almost all of the research equipments were burnt down, and they were obliged to renew the investigation with extremely poor equipments composed of shunted ones and after-war-supplies, spectroscopie investigations on metallic vapors being steadily advanced on the visible region only.

But because of no possession of ultra-violet spectrograph, much defect and imperfection are impressed on the performance of research.

On the other, education of students contains a grave defect because practice on the spectral analysis-chiefly in the ultra-violet region- and on the ultra-violet photography cannot be exercised.

And when the present affairs of the university finance are reflected upon, there remains no expectation for the machines similar to the above to be purchased in the near future.

Considering the above state of affairs, please give us permission of the temporary use of the above machines in order to fill up, though temporarily, defect and imperfection on research and education.

Signed by the President.

Tateno Morito

~~Attached documents:~~

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

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

LIST OF FACILITIES FOR APPLICATION

Code. No. 11-5 (6)-

Name of plant: Formerly Naval Arsenal of Kure

Addressof plant; 1-Chôme, Kegcya-cho, Kure-Shi.

1. Machinery

Inv.No.	Name Type- Specifications Accessories & Spare parts	Weight (Kg)	Packing Size Length Width (cm)	Maker and Country	Quantity
11-5(6)-4656	Spectrograph-Qualt 24-Arc Type Condensing Lens : 2	60	L.135 W. 45	CARL ZEISS	1
11-5(6)-4657	Photmeter for Automatic recording length of bench 100cm	25	L. 100 W. 30	CARL ZEISS	1
11-5(6)-4658	Feussners generator-Aretype construction	90	L. 57 W. 67	CARL ZEISS	1
11-5(6)-4659	Projector for Spectrograph-horiz. Magnification 20	20	L. 40 W. 52	CARL ZEISS	1
11-5(6)-4530	Galvanometer-Moving coil and mirror Type	2	L. 11 W. 11	GEBR RUHSTRAT	1
Total					5

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

YOKOHAMA SHIPYARD & ENGINE WORKS
EAST JAPAN HEAVY INDUSTRIES, LTD.

APPLICATION FOR TEMPORARY MOVEMENT
AND AUTHORISED USE OF DESIGNATED
REPARATION MACHINERY AND EQUIPMENT

Date: Sept. 18, 1950

To: Minister of Finance

From: Yasuke Kotake, General Manager
Yokohama Shipyard & Engine Works,
East Japan Heavy Industries, Ltd.

Address: 3-Chome, Midoricho, Nishi-ku,
Yokohama

MANUFACTURING AND INDUSTRY
FILE 11-5(6)
Sec II

1) Name (Code No.) and location for the plant which intends to use designated reparation machinery and equipment:

Yokohama Shipyard & Engine Works (19-68)
East Japan Heavy Industries, Ltd.
3-Chome, Midoricho, Nishi-ku,
Yokohama

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

Former Kure Naval Arsenal (11-5(6))
Miyaharadori, Kure City, Hiroshima Pref.

3) List of designated reparation machinery and equipment to be moved and used: Herewith attached.

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

a) Our Yard is, at present, engaged in the construction of large type export vessels (two 8,500 D.W.T. freighters respectively for Panama and France, and one 2,000 D.W.T. oil tanker for the Brazilian Government), three domestic use boats (two 18,000 tons oil tanker and one 9,400 tons cargo boat),

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

repairs to foreign and domestic ships, production of marine and land diesel engines generating house work, manufacturing of tobacco making machines and paper making machines, and iron structure works. We wish to contribute to the reconstruction of Japanese economy and development of export industry thru the aforementioned activities of our yard.

b) Our Yard started operation in 1891. Half of our present machines are worn out. We are planning to improve machine tools, testing machines and other equipments in order to raise products accuracy and work efficiency, prevent miscarriage, rationalize shop management, reduce production cost. Especially, in order to raise product quality, it is necessary to use superior machines, and gain confidence from foreign countries.

c) However, medium type lathes to make diesel engine pistons, piston covers, cylinder liners, connecting rods, crankpin brass, main shaft bearing, can not be obtained from private plants. If we want to order for desired machines, we have to wait for a considerably long period before they are delivered to us, and it will not be in time for our urgent work now on hand.

d) Therefore, we earnestly desire to rent machines under this application.

Such being the case, we beg of you to acknowledge our situation, and ask for your kind consideration on our request, we remain,

Yours truly,

for

General Manager
Yokohama Shipyard & Engine Works,
East Japan Heavy Industries, Ltd.

Attached: Approval of the applicant concerning responsibilities of custody for designated reparation machinery and equipment.

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Approval of the Applicant

I will take all the responsibilities of custody and safe maintenance of designated reparation machinery and equipment listed in attached sheet, during our using time.

for

General Manager
Yokohama Shipyard & Engine Works
East Japan Heavy Industries, Ltd.

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List of Facilities for Application

Code No. 11-5(6)

Name of Plant: Former Kure Naval Arsenal

Address of Plant: Miyahara-dori, Kure City, Hiroshima Pref.

Inv. No.	Name	Specification	Q'ty
11-5(6)-1,087	lathe	swing 1,250 center distance 1,750 bed length 5,000	1
11-5(6)-1,088	"	swing 1,250 center distance 1,750 bed length 5,000	1
11-5(6)-1,091	"	swing 1,380 center distance 3,000 bed length 6,000	1
11-5(6)-1,406	"	swing 2,720 center distance 2,100 bed length 4,150	1
Total			4

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KANTO MARITIME BUREAU
MINISTRY OF TRANSPORTATION

KANKAN No. 827 Yokohama, 6 September 1950

TO : Minister of Finance

FROM : Director, Kanto Maritime Bureau,
Ministry of Transportation

SUBJECT : Authorization for temporary movement and use of designated reparation machinery and equipment

An application as per attached for the temporary movement and authorized use of designated reparation machinery and equipment kept in former Kure Naval Arsenal under the custody of the Ministry of Finance, has been filed by the Yokohama Shipyard and Engine Works, East Japan Heavy-Inderstries, Ltd.

The said shipyard, at present, busily engaged in the construction of large-sized export vessels as well as large-sized domestic vessels under the fifth construction program, repairs to foreign and domestic vessels and verious other marine and land engineering works.

The shipyard is now planning the improvement of product accuracy and work efficiency, the reduction of cost of production and the ration-lization of industry. However, due to the shortage of materials and difficulty of replacing old and worn-out machineries, efficiency of the work is getting lower month by month.

The machinery of this kind are not obtainable from any other private plants and even if an order for new ones be given it takes up too much of time to get same for use to say nothing of high cost thereof.

We, therefore, hereby recommend your authorization for the application in view of the above mentioned situation of the Yokohama Shipyard.

Masayasu Katsuno

MASAYASU KATSUNO,
DIRECTOR,
KANTO MARITIME BUREAU

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

23 Aug. 1950

To : Ministry of International Trade and Industry.

From : Seiichi Tani, Director and President, the Toyo Pulp Co., Kanda Higashimatsushita-cho 1, Chiyoda-ku, Tokyo-to.

1) Name (Code No.) and Location for the plant which intends to use designated reparation machinery and equipment.

Name : Kure Factory of the Toyo Pulp Co. (non-reparation plant)

Code No. None

Location: Tsukumo 15,500, Hiro-machi, Kure-shi, Hiroshima Prefecture.

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

Name : Kure ex-Naval Arsenal

Code No. 11-5

In addition, several items bearing code Nos. 21-2, 39-53, 30-3, 37-23 and 45-5 exist in the area, where they had been brought in before the release of the 11-5 area.

Location: Amatetsu area of Kure ex-Naval Arsenal Miyahara-dori, Kure-shi, Hiroshima Prefecture.

MANUFACTURING AND INDUSTRY FILE 11-5 Sec. II

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

As per attachment.

About 137 items of apparatus and industrial machinery mainly consisting of tanks, pipes and others, about 13 items of machine tools of various kinds and about 32 items of electric machinery mainly composed of transformers, motors and others, all existing in the Hiro area and intended to be utilized as production equipment of the Kure Factory of the Toyo Pulp Co., are separately under application for use in an application of conversion of designated reparation plant, their contents being different only in number but similar in type, description, capacity and others to those listed in the attachment.

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

A. Motive and reason for initiating the enterprise.

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(1) Motive and reason arising from the domestic circumstances.

The Japanese pulp production suffered a drastic decrease as a result of forfeiture of Saghalien. Particularly in case of Kraft pulp, the situation is even worse - the output in 1949 registered only 29,391 tons as against 79,045 tons in 1940 or 37% of the latter.
Despite much import, the demand (the 1949 scheduled requirement of the Economic Stabilization Board was placed at 69,900 tons which is expected to have amounted to a considerable volume if other unregistered requirements for private uses are added) is tremendously outbalancing the actual supply. It is the aim of our enterprise to share a part in mitigating the current dire shortage of kraft pulp of which various packing papers are made.

(2) Motive and reason from a requirement in handling export merchandise.

As is widely admitted, exporting indigeous products abroad is of paramount importance from the standpoint of the current Japanese economic policy. Apart from their quality and prices, export products are packed in most cases in wooden crates which makes them appear sensibly awkward and what is worse, liable to subject to rough handling because of ostensible robust appearance, causing a considerable number of breakage of contents in transit. Many cases of unexpected failure in export transactions ocurring from such breakage have of late come to our notice. Maintenance of decent appearance and protection from breadage of export commodities through usage of thick paper board packing material, except those absolutely requiring wooden crates, are ourmajor motive and reason for the present proposed enterprise of mass-production of such material.

B. Immediate reason for use of the equipment and apparatus upon removal.

(1) The applied equipment and apparatus are adequately grouped and a long time of designing and manufacturing will not be needed.
Of those listed on the attachment, tanks and electric apparatus could be utilized in pulp manufacturing process and as accessory equipment, motors of various horsepowers, factory conveying locomotives or chain blocks and others beside 8 boilers and 4 turbines for electric generating purpose are existing in a relatively compact form ready for immediate use without alteration, which would otherwise take so long a time to newly design and manufacture individually that it would become impossible for us to promptly meet the thirsty demand for domestic and exporting packing paper material - kraft pulp. This factor-adequate grouping of a number of equipment and non-necessity of long time of newly designing and manufacturing constitute also our potent reason.

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(2) Reason for utilization of special apparatus left unpicked.

The apparatus listed on the attachment are of a special purpose left untaken, many others having already been removed by other concerns or enterpreneurs under authorization of use.
Most of those left here are in such a state as to be utilized for pulp manufacturing, chemical industry. It is our belief that by utilization of these apparatus we could contribute to improvement of the Japanese impoverished economy.

(3) Reason viewed from the standpoint of the manufacturing expense needed and the national economy.

Several hundreds sets of apparatus gathered appropriately could fan more economically be used upon removal than nowly manufacturing and installing such a plant which manifestly incurs a tremendous expense.
Undisputably our applied plan is considered much more beneficial from the standpoint of the national economy.

The Toyo Pulp Co., Ltd.

Seiichi Tani

President.

Attached documents:

Approval of the applicant-concerning responsibility of custody for Designated Reparation Machinery and Equipment.

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APPROVAL OF THE APPLICANT, CONCERNING RESPONSIBILITY OF CUSTODY FOR DESIGNATED REPARATION MACHINERY AND EQUIPMENT

Date: 31 July 1950

To : Minister of Finance.

From : Seiichi Tani, Director and President, the Toyo Pulp Co.,

Address: Kanda Higashimatsushita-cho 1, Chiyoda-ku, Tokyo-to.

Sir.

In connection with our application for movement and authorized use of the reparation machinery and equipment belonging to the Kure ex-Naval Arsenal (Code No. 11-5) as per attachment (of the application), we beg hereby the authorities concerned, concerning responsibility of custody for the designated reparation machinery and equipment involved, after they are transferred from the present location to the Kure Factory of the Toyo Pulp Co, Ltd. (Tsukumo 15,500 Hiro-machi, Kure-shi, Hiroshima Prefecture) upon your approval of the said application.

1. Location of designated reparation machinery and equipment.

Kure ex-Naval Arsenal 11-5

2. List of designated reparation machinery and equipment to be moved and used.

As per attachment of the application.

Yours respectfully.

Seiichi Tani
Director and President
Toyo Pulp Co., Ltd.

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TRANSLATION

Kure Kei No. 836

Date: 17 August 1950

TO : Honorable Hayato Ikeda, Minister of Finance

FROM : Tedate Suzuki, Mayor of Kure City

SUBJECT : Recommendation to Toyo Pulp K.K.

It is earnestly desired to immediately restore the production of the chemical industry as one of the actions to promote the independence of the Japanese industry. Above all, the Toyo Pulp K.K. having the staffs of highest standard in the management and the technical sides was looking for a suitable place for establishing a pulp plant under the present circumstances of a big pulp shortage in the paper industry. The company has definitely selected the proper area of the former 11th. Naval Aero Arsenal which is most suitable for the pulp plant operation from the viewpoint of the surrounding conditions and existing equipment.

It is one of the urgent tasks of Kure City to rehabilitate the local industry by inviting manufacturing plants, to give works to many unemployees in the city and thus to stabilize the life of the inhabitants. In this regard the Kure City will completely cooperate with the Toyo Pulp K.K. and assist them in establishing a new plant in this city. It is accordingly requested that you will favor us with special consideration to the plan of the company.

In order to realize in the future a full utilization of the applied area and a smooth conversion plan, the company is recommended hereby under the following conditions.

CONDITIONS

1. Within six (6) months hereafter the operation permit will be obtained and start the works.

2. No objection will be raised under circumstances to abandoning about 5,000 tsubo of the most southern portion of the applied area.

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Ser No. 3964 zatsu 25

July 26 '50

To : Head of Kanzai Bureau Ministry of Finance

Subject : Establishment of Toyo Pulp Inc. at Former Hiro Japanese Naval Aeronautical Plant.

In regard to demand and supply of craft pulp in Japan its product in 1949 was 35,000 tons while its consumption will be around 70,000 ton in 1950. At the time of great increasement of its product is expected this bureau have determined to support for the plan to let Toyo Pulp Inc. manufacture craft pulp by shifting equipments and machinery of the former Hiro Japanese Naval Aeronautical Plant by following good financial conditions as much as posible, so we wish your special considerations for the permission to shift the equipment and machinery as on the attached sheets of the afore menticned plants.

1. Timber resources of this district is considered to be abound ant and the cheapest in Japan.
2. Present buildings can be used as is.
3. It has the advantage of land and marine transpertation by using private railroad track and quay wall.
4. Glauber's solt, the most important chemicals, can be obtained cheaply from nearby rayon companies.
5. There are five cement company in this district which are great consumers of its products and there is no such craft pulp plant in Chugoku, Shikoku & Kyushu Area.
6. This plant is blessed with good and abundant water.

Head of Tsusho Zakka Bareau
Ministry of ~~Transpotation~~ Commerce
and Indury. INTERNATIONAL TRADE

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Items	Hiro Dist	Amatetsu Dist.	Total	Remark.
Electric Motors	15	76	91	0.5 50
Transformers	9	28	37	20 KVA 300KVA
Tanks	26	29	55	
Oil	11		11	
Pumps	2	20	22	
Lather etc.	29		29	
Boilers		20	10	
Generators		4	4	
Locomotives		1	1	30 KPH
Rolling stocks		26	26	
Crorres	13		13	
Chain blocks		22	22	

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LIST OF DESIGNATED REPARATION MACHINERY AND

EQUIPMENT INTENDS TO USE

THE TOYO PULP CO.,

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ELECTRIC MACHINERY

Name	Name of Manufacturer	Type dimension capacity	Inventory No.	Operating or suspended	Qty	Remarks
Motor	Yasukawa Denki	Cage type 20 HP	11-5(6)5109	Suspond	1	775
"	"	"	11-5(6)5113	"	1	775
"	Hidachi Seisaku-sho	25 HP	11-5(6) 3	"	1	725
"	Yasukawa Denki	"	11-5(6)5105	"	1	774
"	"	"	11-5(6)5117	"	1	781
"	Shibaura Seisaku-sho	Cage type 25 HP	11-5(6)2174	"	1	747
"	Matsushita Denki	Cage type 30 HP	11-5(6)3335	"	1	765
"	Fuji Denki	"	11-5(6)5119	"	1	776
"	"	"	11-5(6)5107	"	1	775
"	"	"	11-5(6)5106	"	1	775
"	Shibaura Seisakusho	"	11-5(6)5126	"	1	777
"	Yasukawa Denki	Cage type 35HP	11-5(6)5169	"	1	782
"	"	"	11-5(6)5170	"	1	782
"	"	"	11-5(6)5171	"	1	782
"	"	"	11-5(6)5173	"	1	782
"	"	"	11-5(6) 677	"	1	733
"	Okumura	Winding type 50 HP	11-5(6)2543	"	1	757
"	Meidensha	80 HP	11-5(6)1372	"	1	739
"	"	7.5 HP	11-5(6)2538	"	1	756
"	Mitsubishi Denki	10 HP	11-5(6)3504	"	1	770
"	Toyo Denki	"	11-5(6)3100	"	1	762
"	Yasukawa Denki	15 HP	11-5(6)5228	"	1	914
"	Meidensha	Cage type 20 HP	11-5(6)2288	"	1	751
"	"	"	11-5(6)2289	"	1	751
"	"	"	11-5(6)5183	"	1	784
"	Hidachi Seidaku-sho	20 HP	11-5(6) 985	"	1	733
"	Yasukawa Denki	Cage type 20 HP	11-5(6) 995	"	1	734
"	"	"	11-5(6)5130	"	1	778
"	"	"	11-5(6)5134	"	1	778
"	"	"	11-5(6)5135	"	1	778
"	Sudo Denki	20 HP	11-5(6)2576	"	1	757
"	Yasukawa Denki	Cage type 20 HP	11-5(6)5144	"	1	779
Trans-former	Okumura Denki	Auto-cooling type 30 KVA	11-5(6)3660	"	1	1,519
"	"	"	11-5(6)3661	"	1	1,519
"	"	"	11-5(6)3662	"	1	1,559
"	Hidachi Seisakusho	50 KVA	11-5(6) 644	"	1	793
"	"	Out door 50 KVA	11-5(6) 645	"	1	793
"	"	"	11-5(6) 646	"	1	794

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Name	Name of Manufacturer	Type dimension capacity	Inventory No.	Operating or suspended	Qty	Remarks
Trans-former	Osaka Honatsu-ki	Out door type 50 KVA	11-5(6)1974	Suspended	1	798
"	"	"	11-5(6)1975	"	1	798
"	"	"	11-5(6)1976	"	1	793
"	Hidachi Seisakusho	"	11-5(6)1265	"	1	1528 A.U. is re-scinded al-ready
"	"	"	11-5(6)1266	"	1	1528 "
"	"	"	11-5(6)1267	"	1	1529 "
Motor	Mitsubishi Denki	40 HP	11-5(6)3329	"	1	764
Trans-former	Takayama Seisakusho	Auto-cooling type 30 KVA	11-5(6)3698	"	1	1071
"	"	"	11-5(6)3699	"	1	1072
"	Okumura Denki	Auto-cooling type 20 KVA	11-5(6)3650	"	1	1477
"	"	"	11-5(6)3651	"	1	1477
"	"	"	11-5(6)3652	"	1	1477
"	"	"	11-5(6)3656	"	1	1479
"	"	Auto-cooling type 50 KVA	11-5(7) 32	"	1	43
"	"	"	11-5(7) 33	"	1	45
"	"	"	11-5(7) 34	"	1	45
"	Hidachi Seisakusho	Auto-cooling type 150 KVA	11-5(5)1461	"	1	129 Consolidated machine in Amagasaki Area
"	"	"	11-5(5)1460	"	1	129 "
"	"	"	11-5(5)1459	"	1	129 "
Motor	Yasukawa Denki	20 HP	21-2- 152	"	1	10
"	"	"	21-2- 164	"	1	11
"	"	"	21-2- 155	"	1	10
"	"	"	21-2- 156	"	1	10
"	"	"	21-2- 167	"	1	12
"	"	"	21-2- 139	"	1	9
"	"	"	21-2- 142	"	1	9
"	"	"	21-2- 138	"	1	9
"	Shibaura Denki	5 HP	39-53-126	"	1	15
"	Hidachi Seisaku-sho	"	39-53-551	"	1	15
"	"	"	39- 3-4176	"	1	14
"	Matsushita Denki	"	30- 3-4255	"	1	14
"	Unknown	7.5 HP	30- 3-4233	"	1	14
"	Shibaura Denki	"	37-23(0)-269	"	1	15
"	Kube Seiko	5 HP	11-5(7)1529	"	1	3 Consolidated machine in Amagasaki Area
"	Yasukawa Denki	7.5 HP	11-5(7)1537	"	1	4 "
"	"	5 HP	11-5(7)1532	"	1	3 "

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Name	Name of Manufacturer	Type dimension capacity	Inventory No.	Operating or suspended	Qty	Remarks
Motor	Hidachi Seisakusho	Open type 5 HP	11-5(5)1302	Suspend	1	167 Consolidated machine in Amagasaki Area
"	"	5 HP	11-5(5)1412	"	1	59
"	Unknown	Drop-proof type 7.5 HP	11-5(5)3299	"	1	163
"	"	10 HP	30-4-1892	"	1	3
"	Kawakita	7.5 HP	30-3- 323	"	1	12
"	Hidachi Seisakusho	10 HP	45-5- 452	"	1	16
"	"	"	45-5- 25(199)	"	1	15
"	"	"	45-5- [illegible]	"	1	16
"	"	"	45-5- 42(104)	"	1	15
"	Chuo Denki	"	21-2- 124	"	1	8
"	"	"	21-2- 125	"	1	8
"	"	"	21-2- 128	"	1	8
"	Hidachi Seisakusho	15 HP	21-2- 148	"	1	15
"	Shibaura Seisakusho	50 HP	11-5-(5)1470	"	1	61
Trans-former	Oumura Denki	70 KVA	11-5(7) 16	"	1	42
"	"	"	11-5(7) 17	"	1	42
"	"	"	11-5(7) 18	"	1	42
"	"	"	11-5(7) 19	"	1	42
Motor	Unknown	10 HP	Scrap 248	"	1	
"	"	15 HP	253	"	1	
"	"	"	254	"	1	
"	"	"	255	"	1	
				Total	~~8~~ 96	
INDUSTRIAL MACHINERY						
Gap Bed	Unknown	Standard type 1.061x3T	11-5(6)3843	"	1	1180
"	"	"	11-5(6)3845	"	1	1180
"	Kure Naval Arsenal	"	11-5(6)5044	"	1	1064
"	"	"	11-5(6)5045	"	1	1065
"	"	"	11-5(6)5046	"	1	1065
"	"	"	11-5(6)5047	"	1	1065
"	Unknown	"	11-5(6)3841	"	1	1179
"	"	"	11-5(6)3842	"	1	1179
"	"	"	11-5(6)3853	"	1	1060
"	Kure Naval Arsenal	"	11-5(6)3856	"	1	1060
"	"	"	11-5(6)3840	"	1	1179
"	"	Standard type 1.067x2T	11-5(6)3839	"	1	1090
"	"	Standard type 1.067x3T	11-5(6)3835	"	1	1178
"	Unknown	Standard type 1.023x3T	11-5(6)3821	"	1	1176
"	"	Standard type 1.067x3T	11-5(6)3849	"	1	1181
"	Kure Naval Arsenal	"	11-5(6)3852	"	1	1060

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Name	Name of Manufacturer	Type dimension capacity	Inventory No.	Operation or suspended	Qty	Remarks
Car Box	Unknown	Standard type 1.067x3T	11-5(6)3850	Suspended	1	1181
"	"	"	11-5(6)3851	"	1	1181
"	"	"	11-5(6)3848	"	1	1181
"	Kure Naval Arsenal	"	11-5(6)5053	"	1	1065
"	Unknown	"	11-5(6)5058	"	1	1184
"	"	"	11-5(6)5057	"	1	1184
Truck of Coal	"	Standard type 1.680x3T	11-5(6)5246	"	1	1151
"	"	" 1.067x3T	11-5(6)3858	"	1	1182
Compressor	Hidachi Seisakusho	dia 130x90x44 Stroke 150m m	11-5(6)1738	"	1	128
Shafting	Kure Naval Arsenal	dia 90xlength 6,000m/m pulley 8 bearing 9	11-5(6)3737	"	1	320
"	"	dia 75xlength 2,500m/m pulley 7 bearing 4	11-5(6)3738	"	1	320
"	"	dia 90xlength 6,000m/m pulley 3 bearing 5	11-5(6)3739	"	1	320
Chimney	Kure Naval Arsenal	548x18,750x6m/m	11-5(6)2155	"	1	41
Electric welding machine	Osaka Denki	Capacity 15 KW	11-5(6) 635	"	1	326
"	"	"	11-5(6) 636	"	1	326
"	Hidachi Seisakusho	"	11-5(6) 637	"	1	326
Hydraulic pross	Komatsu Seisakusho	Stroke 750m/m P 500ton Spindle table 1,100m/m	11-5(6)1829	"	1	69
Edge runner	Washino	2,300x250 Capacity 200Kg	11-5(6)2464	"	1	806
"	"	"	11-5(6)2435	"	1	806
Gas producer		Internal dia 3,050m/m H 2,200m/m air 2700 Cub.m/h,	11-5(6)1846	"	1	91
"	Yamato Seikosho	"	11-5(6)1845	"	1	90
"	"	"	11-5(6)1844	"	1	89
Bucket elevator	Kure Naval Arsenal	25ton/h Bucket 288 Chain 210m	11-5(6)1864	"	1	94
Accoummulator	"	60Kg/Cm^2 Cap 6m^3 dia 1,250m/m H.5,200m/m	11-5(6)4712	"	1	696
"	Foreign-made	dia 346m/m Stroke 6,020m/m 155Kg/Cm^2	11-5(6)4973	"	1	75
"	Kure Naval Arsenal	dia 1,800m/m H. 3,200m/m 80Kg/Cm^2	11-5(6)4649	"	1	337
Takuma's boilor	Kishaseizo Co.,	290 HP tube L 6,200m/m temp 215° C	11-5(6) 66	"	1	56
"	"	"	11-5(6)1793	"	1	94
Water tank	Kure Naval Arsenal	dia 2,080m/m H. 7,650m/m 26m^3 6.13m/m	11-5(6)5063	"	1	292