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

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

Description of contents

(1) Box no. 3121

(2) Folder title/number: (9)
History of Mitsubishi Precision Machine Works

(3) Date: Dec. 1946

(4) Subject:

Classification	Type of record
9230, 9621	c, r

(5) Item description and comment:
Nagasaki

(6) Reproduction: (Yes) No

(7) Film no. Sheet no.

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

DETAILS OF MACHINES DISPERSED TO DOZAKI PLANT

Nagasaki Precision Machine Works
Mitsubishi Heavy-Industries Co., Ltd.
200 Ohashi-machi, Nagasaki City

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

DETAILS OF MACHINES DISPERSED TO DOZAKI PLANT

Code Number	Name of Machine	Class	Remark
27 - 9 - 1456	LATHE - Engine Type - Standard, 4 ft.	2	
1465	LATHE - Engine Type - Gap, 5 ft.	3	
1459	LATHE - Engine Type - Standard, 6 ft.	3	
1463	LATHE - Engine Type - Gap, 6 ft.	2	
1464	LATHE - Engine Type - Standard, 8 ft.	2	
1460	LATHE - Engine Type - Gap, 8 ft.	2	
1462	" " " " "	3	
1466	LATHE - Engine Type - Gap, 10 ft.	3	
1461	LATHE - Engine Type - Standard, 12 ft.	2	
1475	BORING MACHINE - Horizontal Boring - Table.	2	
1473	SHAPER - Horizontal, Stroke 24"	2	
1474	SLOTTER - Vertical, Stroke 8"	2	
1468	MILLING MACHINE - Knee Type, Horizontal Universal.	2	
1471	" " " "	2	
1478	" " " "	2	
1477	GEAR CUTTING MACHINE - Gear Hobber - Single Spindle.	2	
1458	GRINDING MACHINE - Special Tool - Single point tool.	2	
1469	" " " "	3	
1472	GRINDING MACHINE - Universal Tool and Cutter.	2	
1467	DRILLING MACHINE - Bench Type.	3	
1457	DRILLING MACHINE - Sensitive and power Fed, Upright.	3	
1470	DRILLING MACHINE - Radial - Plain.	2	
1481	CUTTING - OFF AND SAWING MACHINE - Hack.	2	
1487	CRANE, OVERHEAD TROLLEY - Travel & Hoist, Electric Power.	1	
1488	" " " "	1	
1507	CRANE - Jib - Electric power.	3	

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Cont'd.

Code Number	Name of Machine	Class	Remark
27 - 9 - 1450	CRANE, OVERHEAD TROLLEY - Travel & Hoist, Electric Power.	1	
1512	" " " "	1	
1508	" " " "	1	
1480	" " " "	1	
1483	" " " "	1	
1513	" " " "	1	
1479	POWER BOILER - Fire Tube - Horizontal return tubular.	3	
1501	TRANSFORMER - Indoor Type, Self cooled.	1	
1502	" " "	1	
1451	" " "	1	
1453	" " "	1	
1454	" " "	1	
1455	" " "	1	
1484	" " "	1	
1485	" " "	1	
1486	" " "	1	
1498	" " "	1	
1499	" " "	1	
1506	" " "	1	
1489	MOTOR - Alternating - Induction.	1	
1490	" " "	1	
1491	" " "	1	
1492	" " "	1	
1493	" " "	1	
1494	" " "	3	
1495	" " "	1	
1496	" " "	1	
1497	" " "	3	
1506	" " "	1	
1509	" " "	3	
1510	" " "	3	
1511	" " "	3	

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Cont'd

Code Number	Name of Machine	Class	Remark
27 - 9 - ✓1452	COMPRESSOR - Reciprocating - Single acting.	1	
✓1503	" " "	3	
✓1504	" " "	3	
✓1505	" " "	3	
✓1482	HEAT TREATING FURNACE - Pot.	2	
✓439	LATHE - Engine Type, Gap,15 ft.	3	
✓1297	BORING MACHINE - Horizontal Boring - Table.	3	
✓1269	GRINDING MACHINE - Special Tool - Single point Tool.	2	

TOTAL... 66

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DETAILS OF MACHINES DISPERSED TO NAGASAKI SHIPYARD

Nagasaki Precision Machine Works
Mitsubishi Heavy-Industries Co., Ltd.
200 Ohashi-machi, Nagasaki City

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

DETAILS OF MACHINES DISPERSED TO NAGASAKI SHIPYARD

Code Number	Name of Machine	Class	Remark
27 - 9 - 1521	LATHE - Bench Type - Standard	3	
1522	" " "	3	
1574	" " "	3	
1514	LATHE - Engine Type - Standard, 4 ft.	3	
1515	" " " "	3	
1516	" " " "	3	
1542	" " " "	3	
1543	" " " "	3	
1544	" " " "	3	
1545	" " " "	3	
1546	" " " "	3	
1552	" " " "	3	
1553	" " " "	3	
1554	" " " "	3	
1555	" " " "	3	
1556	" " " "	3	
1558	LATHE - Engine Type - Standard, 6 ft.	2	
1559	" " " "	2	
1560	" " " "	2	
1561	LATHE - Engine Type - Gap, 8 ft.	2	
1549	LATHE - Engine Type - Gap, 10 ft.	2	
1550	" " "	3	
1517	LATHE - Engine Type - Gap, 12 ft.	3	
1518	LATHE - Engine Type - Standard, 12 ft.	3	
1530	LATHE - Engine Type - Gap, 12 ft.	3	
1523	LATHE - Engine Type - Standard, 13 ft.	3	
1524	" " " "	3	
1525	" " " "	3	
1529	" " " "	3	
1535	" " " "	3	
1547	" " " "	3	
1548	" " " "	3	
1532	LATHE - Engine Type - Gap, 14 ft.	3	

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Cont'd.

Code Number	Name of Machine	Class	Remark
27 - 9 - 1533 ✓	LATHE - Engine Type - Gap, 14 ft.	3	
1534 ✓	" " " "	3	
1531 ✓	LATHE - Engine Type - Gap, 15 ft.	3	
1536 ✓	" " "	2	
1526 ✓	LATHE - Engine Type - Standard, 16 ft.	3	
1527 ✓	" " "	3	
1528 ✓	" " "	3	
1557 ✓	LATHE - Turret, Ram Type - Standard, Size No. 4	3	
1537 ✓	LATHE - Ram Type - Standard, Size No. 8	3	
1538 ✓	" " "	3	
1539 ✓	" " "	3	
1540 ✓	" " "	3	
1541 ✓	" " "	3	
1565 ✓	MILLING MACHINE - Bench Type .	3	
1562 ✓	MILLING MACHINE - Knee Type, Horizontal - Universal.	3	
1563 ✓	" " "	3	
1564 ✓	" " "	3	
1566 ✓	MILLING MACHINE - Knee Type, Vertical - Standard, #2	3	
1551 ✓	BORING MACHINE - Horizontal Boring, Drilling, Milling - Table.	3	
1572 ✓	SLOTTER - Vertical, Stroke. 8"	2	
1573 ✓	SHAPER - Horizontal, Stroke 20"	2	
1569 ✓	DRILLING MACHINE - Sensitive fed, Upright.	2	
1570 ✓	" " "	3	
1571 ✓	DRILLING MACHINE - Radial - Plain.	3	
1567 ✓	GRINDING MACHINE - Internal Cylindrical - Chucking.	3	
1519 ✓	TESTING & MEASURING MACHINE - Strength of Material - Torsion.	3	
1520 ✓	TESTING & MEASURING MACHINE - Strength of Material - Impact.	2	
1568 ✓	GRINDING MACHINE - Surface - Reciprocating Table.	3	

TOTAL..... 61

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LIST OF MACHINES

CODE NO. ..... 22 - 9

NAME OF PLANT ..... Mitsubishi Jukogyo K.K.
Nagasaki Precise Machine Works

ADDRESS ..... Nagasaki-Ken Nagasaki-Shi
No. 200 Ohashi-machi

Note: The Machines in ( ) Indicate the Machines
Loaned from Kawatana Arsenal

Number of Machines Inventoried

Name of Plant	Machine Tools inv.			Electrical Equipment inv.			Portable Hand Tools inv.			Others Equipment inv.			Total
	Class I	Class II	Class III	Class I	Class II	Class III	Class I	Class II	Class III	Class I	Class II	Class III	
Ohashi	4	396	(1) 536	107		48		7	5	6	(3) 44	80	(4) 1,253
Morimachi		37	129	20		9				7	4	12	218
Total	4	433	(1) 665	127		57		7	5	13	(3) 48	92	(4) 1,451

Machines in Use

Name of Plant	Machine Tools inv.			Electrical Equipment inv.			Portable Hand Tools inv.			Others Equipment inv.			Total
	Class I	Class II	Class III	Class I	Class II	Class III	Class I	Class II	Class III	Class I	Class II	Class III	
Ohashi	4	285	202	39		1		5	2	4	(2) 33	46	(2) 621
Morimachi		12	11	6		1				7	3	5	45
Total	4	297	213	45		2		5	2	11	(2) 36	51	(2) 666

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		Kind of Machines	1st Class			2nd Class			3rd Class		
			Use	Not Use	Total	Use	Not Use	Total	Use	Not Use	Total
A. Machine Tools:	a	Boring Machines				7	1	8	2	5	7
	b	Broaching Machines				1		7	2		2
	c	Drilling Machines	1		1	28	16	44	34	29	63
	d	Gear Hobbers				4		4	6		6
	e	Gear Shapers				2	1	3	2	5	7
	f	Grinders				36	5	41	33	17	50
	g	Honing Machines				2		2			
	h	Lathes				159	98	257	81	307 (1)	388 (1)
	i	Milling Machines				33	7	40	43	49	92
	j	Shapers	1		1	9	3	12	5	21	26
	k	Slotters	2		2	5	4	9	2	11	13
	l	Planer							1		1
	m	Sawing & Cutoff				11	1	12	2	8	10
		Total	4		4	297	136	433	213	452	665
B. Electric Machinery & Apparatus:	a	Generators	2	3	5					1	1
	b	Motors		27	27					42	42
	c	Switch Gears	7		7						
	d	Transformers	36	52	88				2	12	14
		Total	45	82	127				2	55	57
C. Portable Hand Tools:	a	Portable Drills				5		5			
	b	Portable Grinders					2	2	2	3	5
		Total				5	2	7	2	3	5
	a	Bending Machine				1		1	1	1	2
	b	Boilers								8	8
	c	Compressors	7		7				3	6	9

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3rd Class			Total			Number of Building Number of Ohaabi Plant													
Use	Not Use	Total	Use	Not Use	Total	1	5	7	13	14	15	17	20	24	25	29	30	31	33
2	5	7	9	6	15											5		3	5
2		2	3		3											1			
34	29	63	63	45	108	11	3		1	3	4		2	34		2	11	4	10
6		6	10		10	3								3				1	
2	5	7	4	6	10	2								1				1	4
33	17	50	69	22	91	12			1	1	5		7	21	2	10	6	18	5
	(1)	(1)	2	(1)	2 (1)											1			1 (1)
81	307	388	240	405	645	28	1		1	4	1		9	95	1	40	23	38	284
43	49	92	76	56	132	7				1	2		2	35		6	6	10	48
5	21	26	15	24	39	1					1		3	4		1	3	8	12
2	11	13	9	15	24	2				1			1	1		1		3	9
1		1	1		1													1	
2	8	10	13	9 (1)	22 (1)			8			9		1					2	(1)
213	452	665	514	588	1102	66	4	8	3	10	22		25	194	3	67	49	89	278
	1	1	2	4	6	1									1		3		
	42	42		69	69	2	10										53	1	
			7		7		7												
2	12	14	38	64	102	7	7						8	10		3	38	5	
2	55	57	47	137	184	10	24						8	10	1	3	94	6	
			5		5	5													
2	3	5	2	5	7						2		2				3		
2	3	5	7	5	12	5					2		2				3		
1	1	2	2	1	3								1	1					1
	8	8		8	8					4									
3	6	9	10	6	16	1			3			1		1					

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N u m b e r o f M a c h i n e

ng Number of Ohashi Plant													Building No. of Horimachi Plant						Total
24	25	29	30	31	33	34	40	41	42	43	44	45	51	52	54	55	56		
		5		3	5														
		1								1					2				15
34		2	11	4	10	1	4	2	1	1	2	1			1				0
3				1											14				108
1				1	4										3				10
21	2	10	6	18	5										2				10
		1			1 (1)										3				91
95	1	40	23	38	284		1		3		2	1			113				8 (1)
35		6	6	10	48				1						14				132
4		1	3	8	12										6				39
1		1		3	9										6				24
				1															1
				2	(4)										2				8
94	3	67	49	89	278	1	2	2	5	2	4	2			166				1,102
	1		3												1				6
			53	1											3				69
10		3	38	5									17		7				102
10	1	3	94	6									17		11				184
																			5
			3																7
		3																	
1				1															12
																			3
															8	2			8
																			36

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c. Portable Hand Tools:	a	Portable Drills				5		5					
	b	Portable Grinders					2	2	2	3	5		
		Total				5	2	7	2	3	5		
d. Others	a	Bending Machine				1		1	1	1	2		
	b	Boilers								8	8		
	c	Compressors	7		7				3	6	9	1	
	d	Cranes	2		2				7	7	14		
	e	Forging Machines				11 (2)	1 (1)	11 (3)	6	1	7	1	
	f	Furnaces				6	8	14	11	8	19	1	
	g	Hydraulic Presses				2		2	1		1		
	h	Manual Presses				3	3	6					
	i	Mechanical Presses				8		8	3	1	4	1	
	j	Shearing Machines				3		3					
	k	Testing & Measurings	1		1	2	1	3	10		10	1	
	l	Pumps								6	6		
	m	Welding Machines	1	2	3	(2)	(1)	(3)	9	3	12	1 (2)	
		Total	11	2	13	36	12	48	51	41	92	9	
Grand Total			60	84	144	(2) 338	(1) 150	(3) 488	268	(1) 551	(1) 819	68	

Bldg. No. (1)

Office, Machine Shop, Main

Bldg. No. (15)

Foundry

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	5				5		5	5											
2	2	2	3	5	2	5	7						2		2				3
2	7	2	3	5	7	5	12	5					2		2				3
	1	1	1	2	2	1	3								1	1			
			8	8		8	8					4							
		3	6	9	10	6	16	1			3			1		1			
		7	7	14	9	7	16			2			3		1	3		1	2
(1)	(3)				(2)	(1)	(2)								(3)				
	11	6	1	7	17	1	18								17				
8	14	11	8	19	17	6	33						10		20				
	2	1		1	3		3								1	2			
3	6				3	3	6									6			
	8	3	1	4	11	1	12								3	9			
	3				3		3								1	2			
1	3	10		10	13	1	14								3				
			6	6		6	6												
		9	3	12	10	5	15					2	2			7			
(2)	(2)				(2)	(1)	(3)								(3)				
12	48	51	41	92	98	55	153	1		2	3	6	15	1	47	31		7	2
(3)	(3)		(1)	(1)	(2)	(2)	(4)								(3)				
150	488	268	551	819	686	785	1451	82	28	10	6	16	39	1	82	235	4	71	148

No. (15)

undry

Bldg. No. (20)

Forging Shop

Bldg. No. (24)

Machine Shop

Cu

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			3																7
			3																12
1					1														3
														2	2				8
1													6	4					26
3		1	2											4					24
														7					28
				3															33
2																			3
6																			6
9																			18
2																			2
				5	1										4	1			14
				1	5														6
7				2				2											15
51		1	2	11	7			2							10	10	21	2	153
35	4	71	148	106	(1) 389	1	2	4	5	2	4	2	17		10	157	2	2	(4) 1451

Bldg. No. (53)

Custody House/Machine Shop

Bldg. No. (54)

Custody House/Machine Shop

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Bldg. No. (1)

Office, Machine Shop, Main Supply

1237 Tsubo

Bldg. No. (15)

Foundry

1190 Tsubo

Bldg.

Forgin

1043

Bldg. No. (7)

Store House

550 Tsubo

Bldg. No. (14)

Boiler Room

Machine Shop

220 Tsubo

Bldg. No. (29)

Machine Shop

180 Tsubo

Bldg. No.

Machine Shop

Custody Hou

350 Tsubo

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Bldg. No. (29)

Forging Shop

1043 Tsubo

Bldg. No. (24)

Machine Shop

1397 Tsubo

Bldg. No. (3)

Custody House/Machi

1150 Tsubo

Bldg. No. (30)

Machine Shop &
Custody House

350 Tsubo

Bldg. No. (31)

Machine Shop

370 Tsubo

Bldg. No. (5?)

Oxygen Plant

185 Tsubo

Bldg. No. (5)

Main Substation

90 Tsubo

Bldg. No. (1)

Compressor Room

85 Tsubo

Bld

40 Tsubo

26 Tsubo

34 Tsubo

Tsu

(17)

(40)

(43)

(4

Sand Blast Room

Machine Shop (Sato)

Machine Shop (Fukai)

Machine Shop

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Bldg. No. (35)

Custody House&Machine Shop

1150 Tsubo

Bldg. No. (54)

Custody House&Machine Shop

1055 Tsubo

Bldg. No. (5) Main Subetation 90 Tsubo

Bldg. No. (1) Compressor Room 85 Tsubo

Bldg. No. (52) Disused Store & Office 116 Tsubo

Bldg. No. (54) Oil Separating Room 62 Tsubo

Bldg. No. (51) Substation 58 Tsubo

Bldg. No. (55) No. 1 Boiler Room 55 Tsubo

40 Tsubo (17) — ...nt Room

26 Tsubo (40) — ...achine Shop (Sato)

34 Tsubo (41) — Machine Shop (Fukai)

21 Tsubo (42) — Machine Shop (Yogasa)

12 Tsubo (43)

39 Tsubo (44) — Machine Shop (Tanaka)

15 Tsubo (45) — Machine Shop (Kutagawa)

22 Tsubo (56) — No. 2 Boiler Room — Machine Shop (Matsuura)

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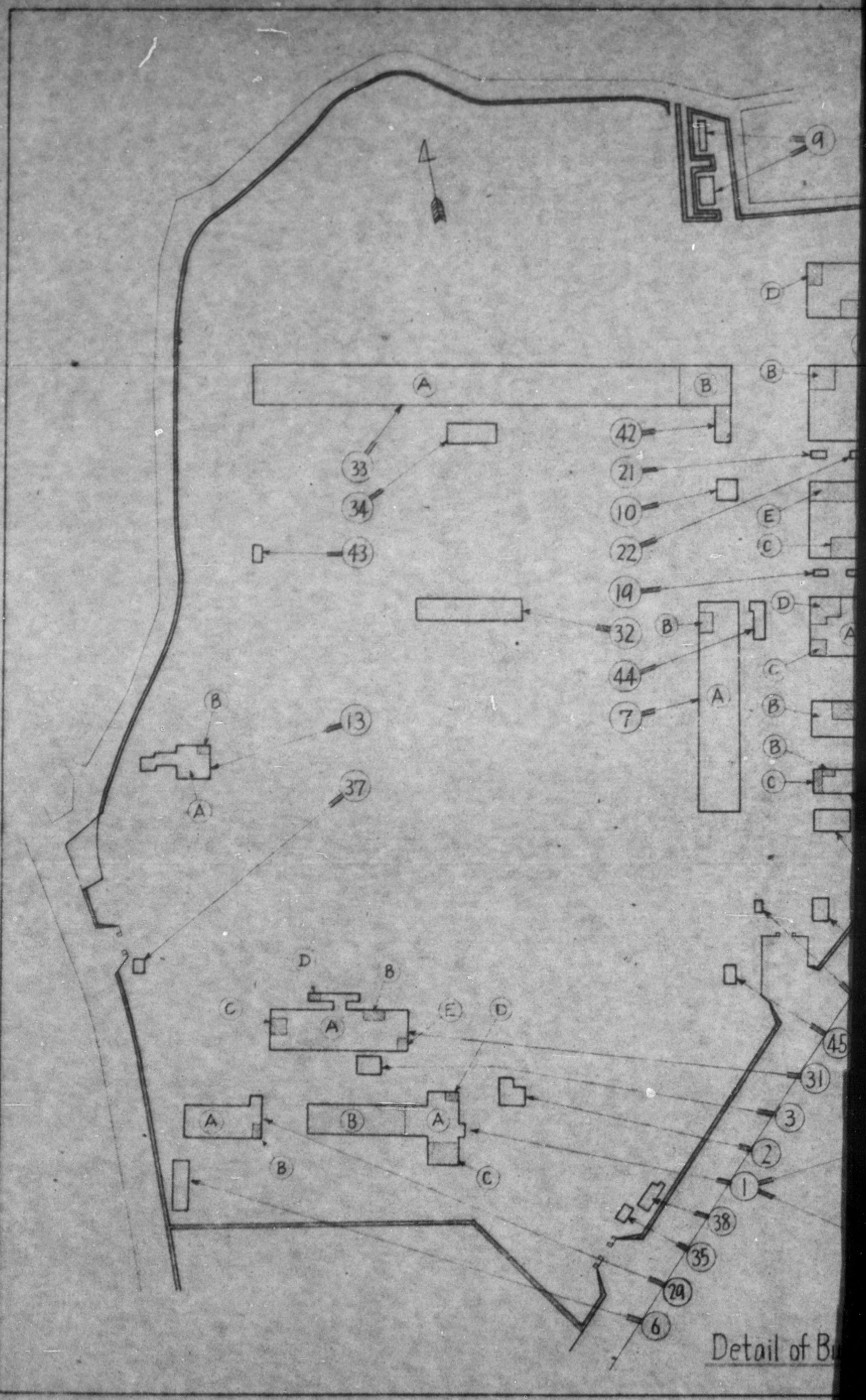

Detail of Bu

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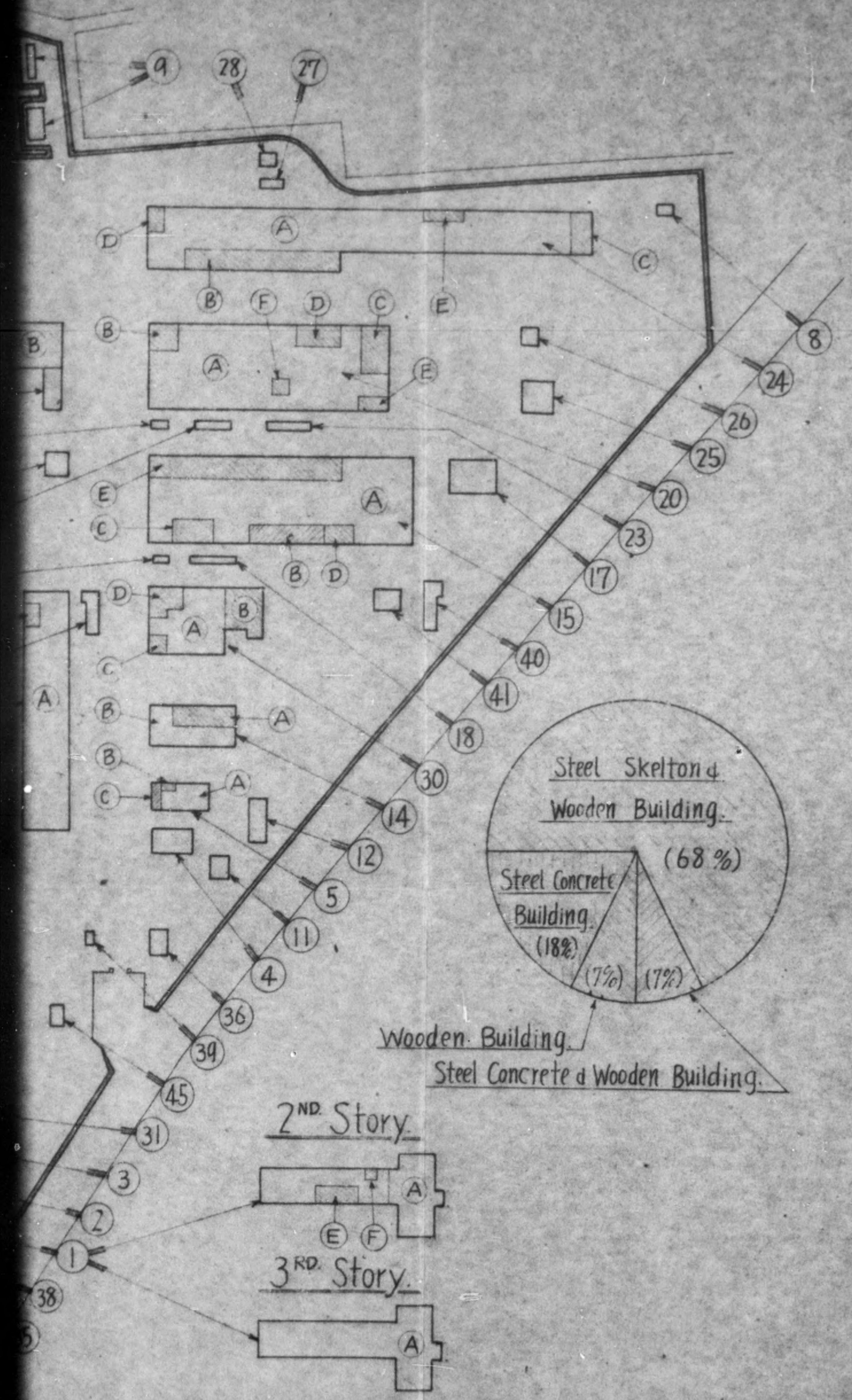

Detail of Buiding No. ① 2ND & 3RD Story.

Bldg No	Contents Mark	Contents Name
1	A	Office.
	B	Machine Shop.
	C	Machine Shop.
	D	Substation.
	E	Main Supply.
	F	Measuring.
2		Construction & Repai
3		Cookery.
4		Selling House.
5	A	Main Substatio
	B	Machine Shop.
	C	Medical Treatment
6		Store House.
7	A	Store House.
	B	Machine Shop.
8		Carbide Store.
9		Oil Store.
10		Cement Store.
11		Transportation C
12		Truck Shed.
13	A	Compressor Roo
	B	Machine Shop.
14	A	Boiler Room.
	B	Machine Shop.
15	A	Foundry.
	B	Machine Shop.
	C	Pattern Shop.
	D	Welding.
	E	Heat Treatment
17		Sand Blast Room
18		Store.
19		Toilet.
20	A	Forging Shop.
	B	Machine Shop.
	C	Machine Shop.
	D	Heat Treatment
	E	Testing.
	F	Supply.
21		Bathing Room.
22		Toilet.
23		Dressing Room.
24	A	Machine Shop.
	B	Secondary Metal Wor
	C	Painting Room.
	D	Substation & Weldin
	E	Supply.
25		Plating Shop.

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Contents Mark	Contents Name	Classification of Facility	Kind of Building	Area of Building (m²)	Bldg No	Mark
A	Office.	Office, Machine Shop & Main Supply.	Steel Concrete Building	4,089.3	26	
B	Machine Shop.				27	
C	Machine Shop.				28	
D	Substation.				29	A
E	Main Supply.					B
F	Measuring.					A
	Construction & Repairing Shop.		Wooden Building	99.2	30.	B
	Cookery.		Ditto.	79.4		C
	Selling House.		Ditto.	122.3		D
A	Main Substation.	Main Substation & Medical Treatment office.			31	A
B	Machine Shop.		Steel Concrete Building.	297.5		B
C	Medical Treatment Office.					C
	Store House.		Steel Concrete & Wooden Building.	165.3		D
A	Store House.		Steel Skelton & Wooden Building.	1.818.2		E
B	Machine Shop.				32	
	Carbide Store.		Steel Concrete Building.	39.7	33	A
	Oil Store.		Ditto.	228.8		B
	Cement Store.		Wooden Building	82.7	34	
	Transportation Office.		Ditto.	66.1	35	
	Truck Shed.		Ditto.	156.2	36	
A	Compressor Room.	Compressor Room.	Ditto	280.0	37	
B	Machine Shop.				38	
A	Boiler Room.	Boiler Room.	Steel Skelton & Wooden Building.	727.0	39	
B	Machine Shop.				40	
A	Foundry.	Foundry.	Ditto	3,933.9	41	
B	Machine Shop.				42	
C	Pattern Shop.				43	
D	Welding.				44	
E	Heat Treatment.				45	
	Sand Blast Room.		Wooden Building	132.2		
	Store.		Ditto	66.1		
	Toilet.		Ditto.	33.1		
A	Forging Shop.	Forging Shop.	Steel Skelton & Wooden Building.	3,613.2		
B	Machine Shop.					
C	Machine Shop.					
D	Heat Treatment.					
E	Testing.					
F	Supply.					
	Bathing Room.		Wooden Building.	33.1		
	Toilet.		Ditto.	36.4		
	Dressing Room.		Ditto.	66.1		
A	Machine Shop.	Machine Shop.	Steel Skelton & Wooden Building	4,616.6		
B	Secondary Metal Working Shop.					
C	Painting Room.					
D	Substation & Welding.					
E	Supply.					
	Plating Shop.		Wooden Building	132.2		

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

Bldg No	Contents Mark.	Contents Name	Classification of Facility	Kind of Building	Area of Building (m²)
26		Toilet		Wooden Building	25.0
27		Toilet		Ditto	46.8
28		Store		Ditto	30.7
29	A	Machine Shop	Machine Shop	Steel Concrete & Wooden Building	515.0
	B	Substation.			
30	A	Machine Shop	Machine Shop & Custody House	Steel Skelton & Wooden Building.	1.157.0
	B	Product Room & Material Room			
	C	Supply			
	D	Custody House (Miscellaneous)			
31	A	Machine Shop	Machine Shop	Steel Concrete & Wooden Building	1.223.2
	B	Cutting Tool Heat Treatment & Welding			
	C	Measuring			
	D	Testing			
	E	Substation.			
32		Disused Stored Office.		Steel Concrete Building	383.5
33	A	Custody House (Miscellaneous)	Costody House & Machine Shop	Steel Skelton & Wooden Building.	3.801.7
	B	Machine Shop			
34		Oil Separating Room & Dressing Room		Steel Concrete Building	205.0
35		№1 Guard House		Wooden Building	28.8
36		№2 Guard House		Ditto	14.9
37		№3 Guard House		Ditto	20.5
38		Fire Brigade Store		Ditto	82.7
39		Time Recordor Room		Ditto	3.3
40		Machine Shop		Ditto	86.0
41		Machine Shop		Ditto	112.4
42		Machine Shop		Ditto	67.8
43		Machine Shop		Steel Skelton & Wooden Building	41.3
44		Machine Shop		Wooden Building	105.8
45		Machine Shop		Ditto	59.5

PLANT LAY OUT.

CODE NO ..... : 27 – 9

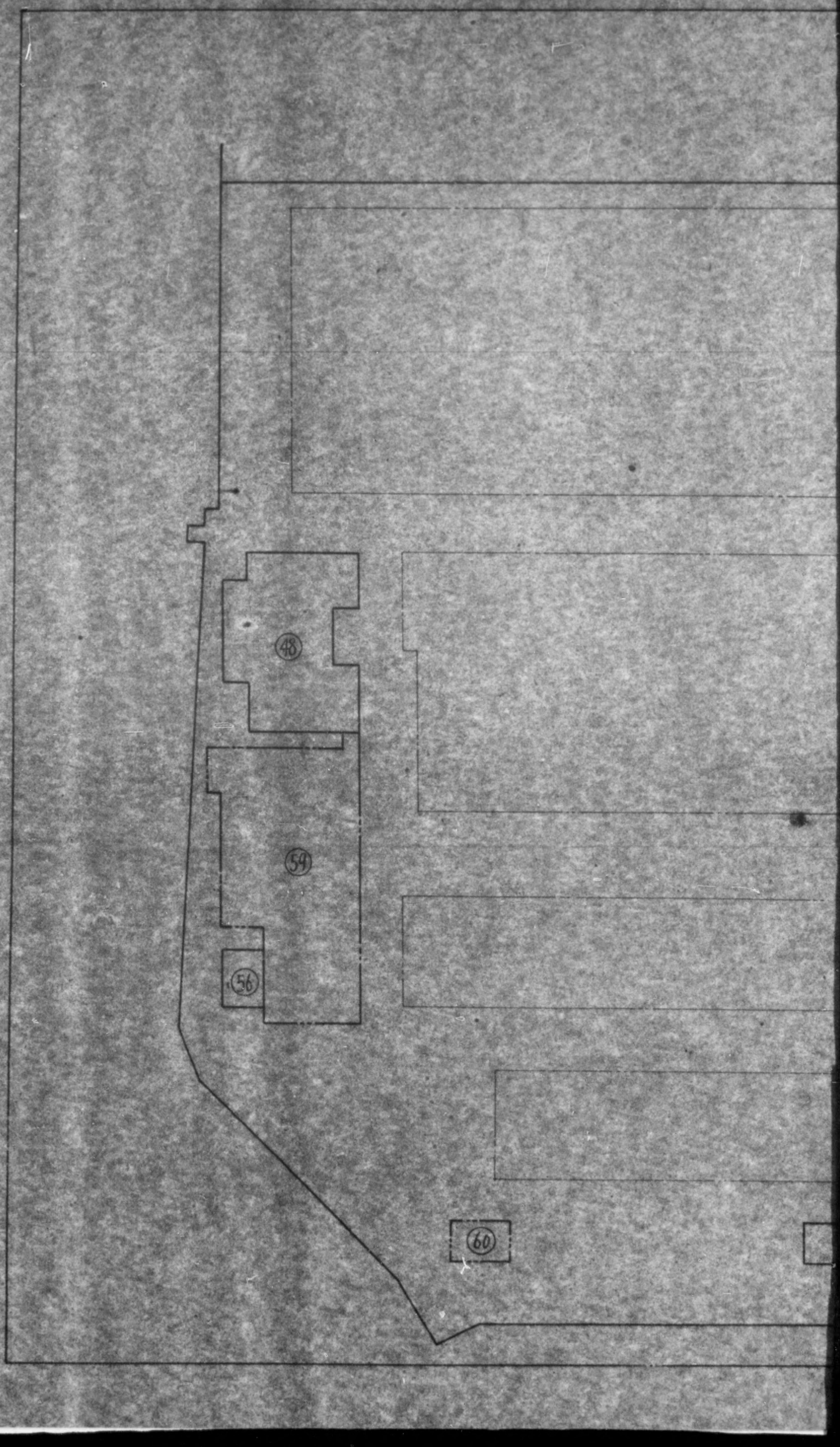
NAME OF PLANT : Mitsubishi Jukogyo K.K. Nagasaki Precise Machine Works.

NAME OF BRANCH : (Ohashi Plant.)

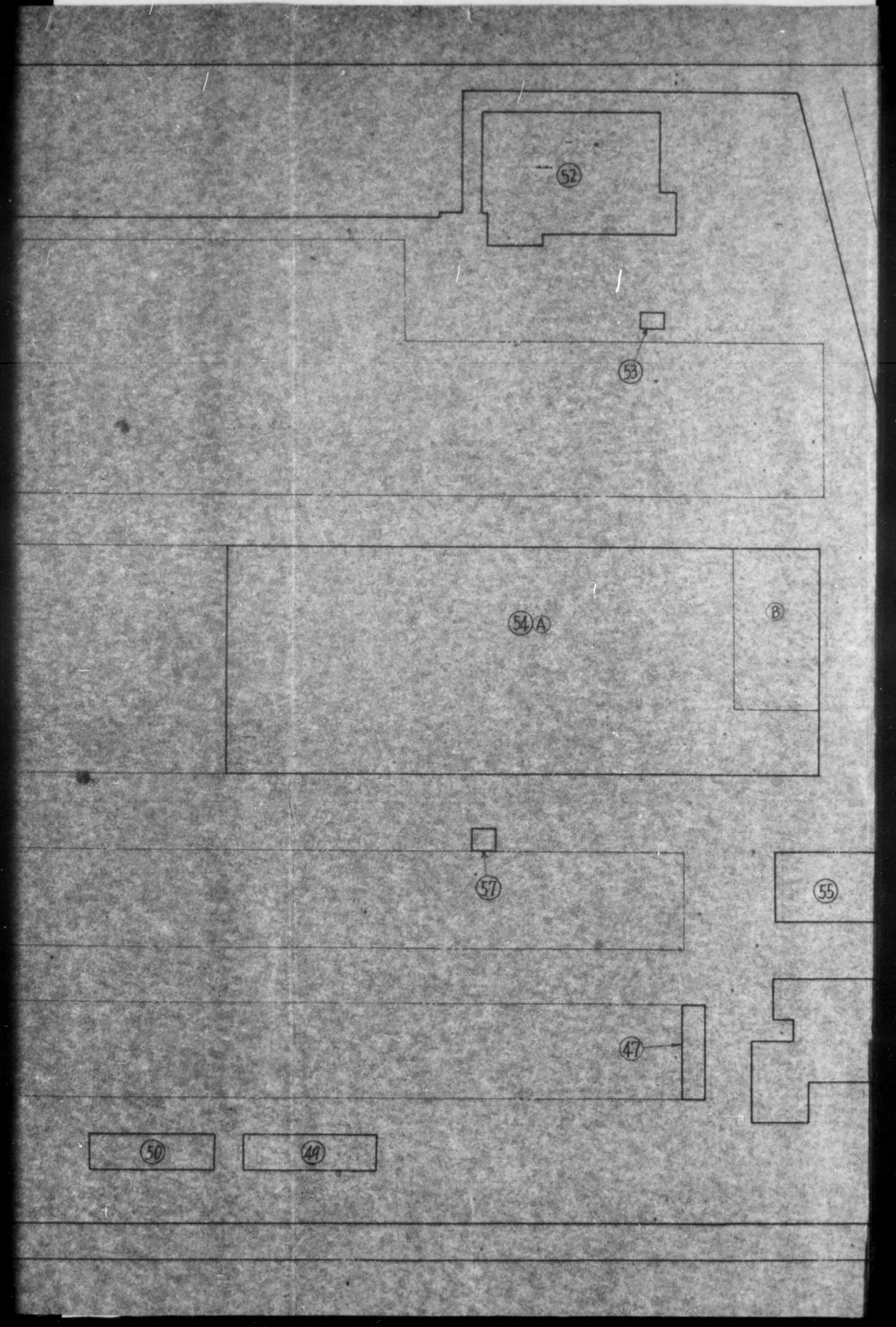
ADDRESS ..... : Nagasaki-ken Nagasaki-shi #200 Ohashi-machi

SCALE ..... : 1/2,000.

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



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



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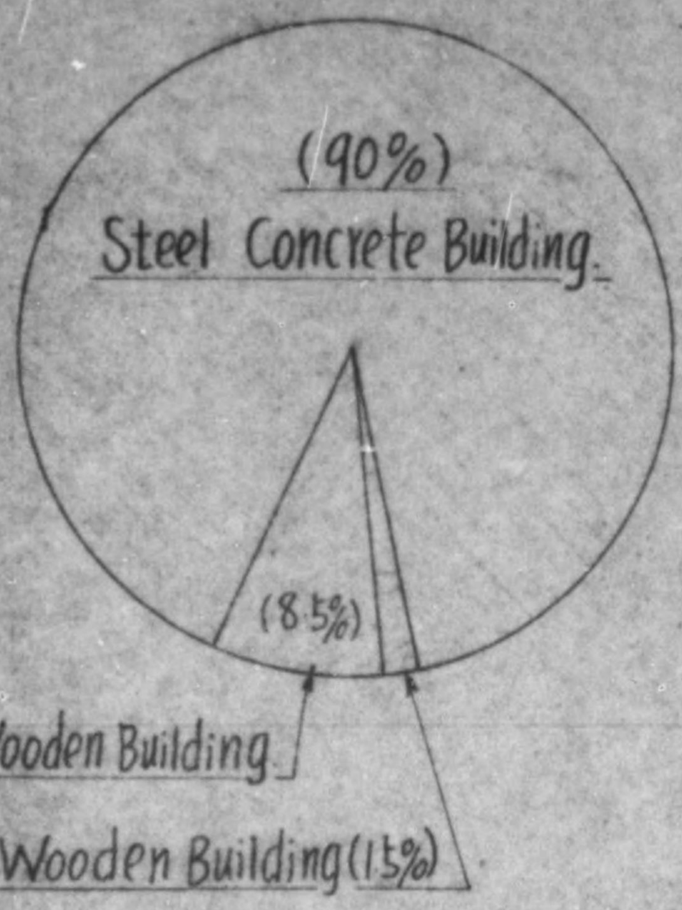
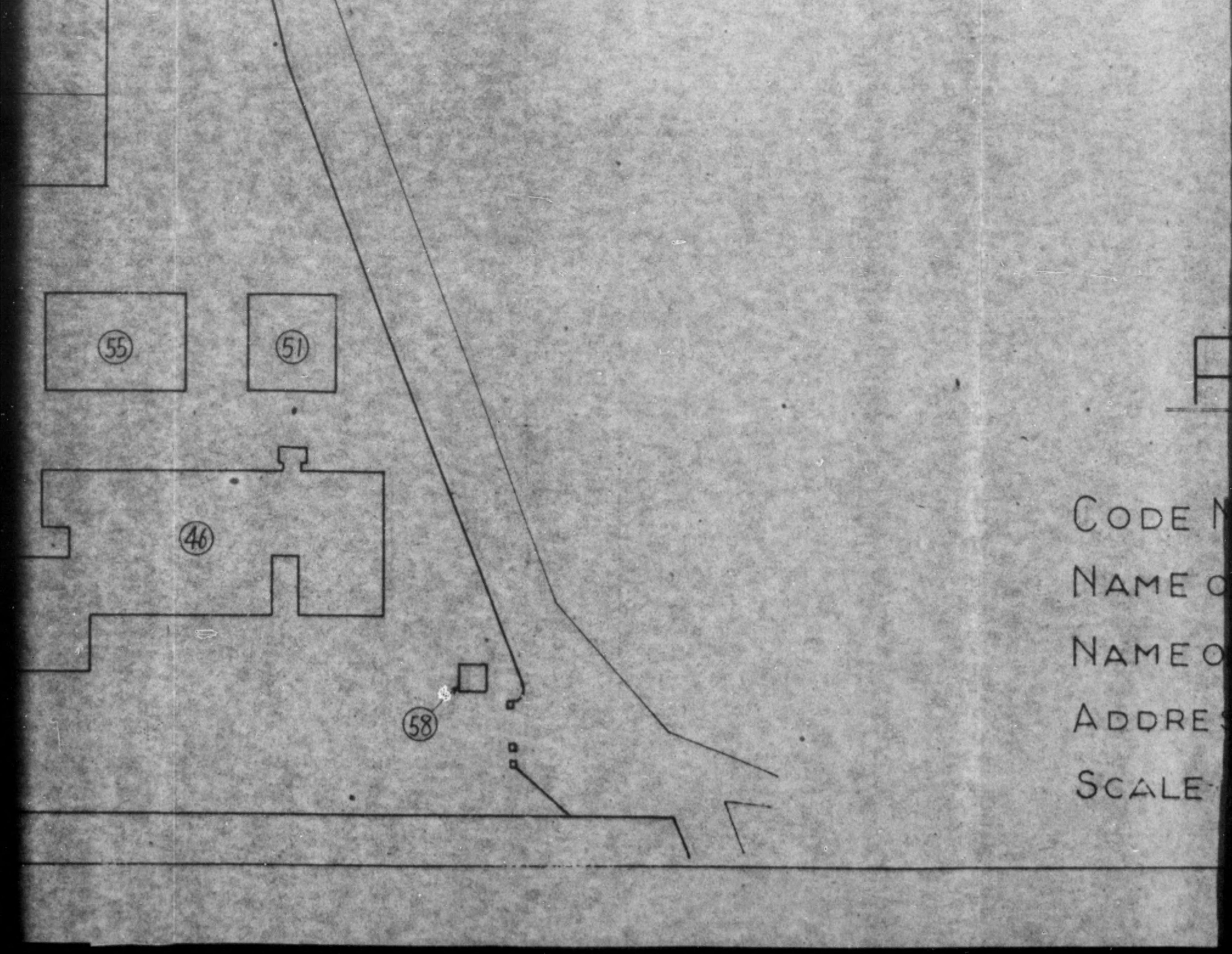


Bldg. No	Mark	Conte Na
46		Office.
47		Disused
48		Store Ho
49		Store.
50		Store.
51		Substa
52		Oxygen
53		Toilet
54	A	Custody
	B	Machin
55		Boiler R
56		Boiler R
57		Forging
58		Guard
59		Unzen Fi
60		Quarter o



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

Bldg. No	Contents. Mark	Contents. Name	Classification of Facility.	Kind of Building.	Area of Bldg (m²)
46		Office.		Steel Concret Building.	1.065.1
47		Disused Store & Office.		Wooden Building.	55.5
48		Store House.		Steel Concret Building	1.865.5.
49		Store.		Steel Concrete & Wooden Building	128.9
50		Store.		Steel Concret Building.	115.7
51		Substation.		Ditto.	189.6
52		Oxygen Plant.		Ditto.	613.2
53		Toilet.		Wooden Building.	66.1
54	A	Custody House.	Custody House (Miscellaneous) & Machine Shop.	Steel Concrete Building.	3.471.1
	B	Machine Shop.			
55		Boiler Room.		Ditto.	181.8
56		Boiler Room.		Ditto	72.1
57		Forging Shop.		Steel Concrete & Wooden Building.	16.5
58		Guard House.		Wooden Building.	3.6
59		Unzen Fire Brick Manufacturing Shop.		Steel Concrete & Wooden Building.	596.4
60		Quarter of Unzen Fire	Brick Manufacturing Shop.	Wooden Building.	69.8

PLANT LAY OUT.

CODE NO ----------: 27 – 9

NAME OF PLANT --: Mitsubishi Jukogyo K.K. Nagasaki Precise Machine Works.

NAME OF BRANCH: (Morimachi Plant)

ADDRESS ----------: Nagasaki-ken, Nagasaki-shi, #40 Mori-machi.

SCALE ----------: 1 m.m. = 1 ft.

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

27-9

TABLE OF MACHI

Class	No. of Inventoried Machine at first		No. of Released Machine				
			Omuta Plant		Nagasaki Shipyard		
	Total (M)	U 1	Total (A)	U 2	Total (B)	U 3	(A) + (B)
1st Class	173	77	29	17			29
2nd "	518	359	18	16	10	1	28
3rd "	898	282	19	9	51	3	70
Total	1,589	718	66	42	61	4	127
Scrap	879						
Grand Total	2,468	718	66	42	61	4	127

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

3826

...LE OF MACHINE TOOLS AND EQUIPMENTS

As of 4th June I948.

NaGasaki Precision Machine

...e		S. P Machine			Balanced Present Total No. of Machine M - (A+B+N)	No. of Ma... hopeless ... in near f... among U M... U 4
Total (A) + (B)	Total U 2 + U 3	Total No.	Completely Destroyed No.(N)	Partially Destroyed No.		
29	I7				I44	
28	I7	6	2	4	466	2
70	I2	3I	9	22	819	2
I27	46	37	II	26	I,45I	4
		32	32		847	
I27	46	69	43	26	2,298	4

Note:-

Two Machines of Kokutena Arsenal below stated are included among machine authorized use (U)

Inventory No. (27 - I - I8I4 Spring Hammer
(27 - I - I8I5 Spring Hammer

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

~~3,192~~

...D EQUIPMENTS

As of 4th June 1948.

Nagasaki Precision Machine Works

	S. P Machine			Balanced Present Total No. of Machine M - (A+B+M)	No. of Machine hopeless to use in near future among U Machine U 4	Present balanced No. of authorized use UI-(U2+U3+U4)
	Total No.	Completely Destroyed No.(N)	Partially Destroyed No.			
				I44		60
	6	2	4	488	2	340
	31	9	22	819	2	268
	37	II	26	I,45I	4	668
	32	32		847		
	69	43	26	2,298	4	668

Note:-

Two Machines of Kawatana Arsenal below stated are included among machine authorized use (U)

Inventory No. (27 - I - I8I4 Spring Hammer
(27 - I - I8I5 Spring Hammer

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

MACHINE LIST OF AUTHORIZED USE

4th June 1948

Nagasaki Precision Machine Works
Mitsubishi Heavy-Industries Co., Ltd
200 Obashimachi, Nagasaki City.

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

DETAIL (Classification of the Production Equipment).

Machine Tool

Name of Machine	Class	Code Number: 27-9-	No. of Machine.
LATHE - Bench Type - Standard	2	547, 548, 549, 553, 554, 555, 559, 560, 562, 563, 596.	II
	3	I57, I58, I59, I60, 243, 246, 538, 539, 540, 561, 598.	II
LATHE - Engine Type - Standard. 4ft.	2	272, 277, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 570, 571, 572, 395, 396, 398, 403, 692, 693.	25
	3	242, 273, 274, 275, 276, 278, 279, 397, 404.	9
LATHE - Engine Type - Gap. 5 ft.	3	1020.	I
LATHE - Engine Type - Standard 6 ft.	2	231, 232, 236, 237, 244, 247, 269, 270, 271, 296, 300, 301, 302, 319, 698, 700, 701, 856, 1056, 1057, 1157, 1158, 1316, 342, 347, 348, 393, 402, 408.	29
	3	699, 702, 703, 704, 705, 706, 842, 1174, 1175, 1221, 1223, 344, 400,	13
LATHE - Engine Type - Gap. 6 ft.	2	505, 516, 1030, 1031, 1101, 1102, 1159, 1309, 1317, 1318, 343, 345, 346.	13
	3	53, 141, 619, 620, 622, 761, 1027, 1028, 1029, 401, 621	11
LATHE - Engine Type - Standard. 7 ft.	2	297, 1160, 1243.	3
LATHE - Engine Type - Standard, 8 ft.	2	32, 42, 91, 98, 99, 260, 298, 299, 311, 312, 313, 314, 315, 316, 445, 863, 1024,	17
	3	447, 460, 1201, 1204.	4

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

Machine Tool (cont'd)

Name of Machine	Class	Code Number: 27-9-	No. of Machine
LATHE - Engine Type - Gap 6 ft.	2	102, 238, 261, 294, 295, 504, 506, 511, 513, 515, 714, 840, 1017, 1018, 1019, 1022, 1094, 361, 362, 363.	20
	3	143, 322, 444, 457, 458, 759, 760, 1023, 1150, 411.	10
LATHE - Engine Type - Gap. 10 ft.	2	323, 364.	2
	3	409, 410.	2
LATHE - Engine Type - Standard. 12 ft.	2	1025, 1058.	2
LATHE - Engine Type - Gap. 12 ft.	2	29, 248, 510, 1016, 1075.	5
	3	412.	1
LATHE - Engine Type - Gap 20 ft.	2	167, 191.	2
LATHE - Turret, Ram Type - Standard, Size No. 2	2	338, 564, 565, 566, 567, 569, 576, 577, 654, 655.	10
	3	574, 575, 647, 651, 653.	5
LATHE - Turret, Ram Type - Standard, Size No. 4	2	267, 337, 695, 1244, 1339. 1360, 1361.	7
	3	268, 646, 696, 1038, 1359, 694 1401.	7
LATHE - Turret, Saddle Type - Flat Turret, Size No. 8	2	92, 317, 318,	3
LATHE - Automatic Chucking- Single Spindle.	2	582, 584.	2
	3	579, 580, 581, 583.	4
LATHE - (Tool Room) - Precision Screwing.	2	353, 354, 355, 356, 357, 358, 359, 360.	8
	3	407.	1
LATHE - (Tool Room)-Relieving	3	394, 399.	2
Boring Machine - Horizontal Boring, Drilling and Milling - table	2	307, 308, 310, 428.	4
	3	165	1
BORING MACHINE - Precision - Single & Horizontal.	2	329.	1
	3	8.	1
Boring machine - Jig.	2	351, 352.	2
PLANER - Double Housing.	3	413.	1
SHAPER - Horizontal, Stroke 20"	2	1445, 431-	2
	3	1320, 1371, 432, 433.	4

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

Machine Tool (cont'd)

Name of Machine	Class	Code Number: 27-9-	No. of Machine
SHAPER - Horizontal, Stroke 24"	I	862.	I
	2	259, 523, I088, 429, 430	5
	3	I30.	I
SHAPER - Horizontal, Stroke 28"	2	520, 765.	2
SLOTTER - Vertical, Stroke 6"	I	240.	I
	3	427.	I
SLOTTER - Vertical, Stroke 8"	I	262.	I
	2	305, I08I, II3I, II9I, 426.	5
SLOTTER - Vertical, Stroke I6"	3	434	I
MILLING MACHINE - Knee Type, Horizontal - Plain.	2	339, 340, 34I, I3II, 373, 374, 333.	7
	3	585, 586, 587, 66I, IIIB, II29, II69, I349, 588.	9
MILLING MACHINE - Knee Type, Horizontal - Universal.	2	330, 33I, 332, I6, 38, 249, 253, 550, 624, 658, 659, 7I2, I047, I084, I278, 4I9, 420, 42I.	I8
	3	336, 592, 594, 252, 660, II23, 7I, 87, 254, 378, 442, 5I9, 623, 657, 662, 663, 664, 665, 686, I067, I068, I076, I083, II28, I30I, 4I7.	26
MILLING MACHINE - Knee Type, Vertical - Standard #2	2	78, 84, 250, 7I3, I085, I332, IIII4,	7
	3	I0, 25I, 855, II56, II94, II95.	6
MILLING MACHINE - Knee Type, Vertical - Standard #6	3	306.	I
MILLING MACHINE - Thread - External	2	I364.	I
	3	I29I.	I
BROACHING MACHINE - Internal - Horizontal	3	I42, I277.	2
BROACHING MACHINE - Internal - Vertical	2	I276.	I
GEAR CUTTING MACHINE - Gear Hobber - Single Spindle	2	334, 55I, 552,	3
	3	6I7, 6I8, I587, I588, I22, 422.	6
GEAR CUTTING MACHINE - Gear Shaper - Spur, External and Internal	2	I052.	I
GEAR CUTTING MACHINE - Straight Bevel Gear, Generator.	2	335, I252.	2

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

Machine Tool (cont'd)

Name of Machine	Class		No. of Machine.
GEAR CUTTING MACHINE - Gear Generator - Formed disc cutter	3	30.	I
GEAR CUTTING - Gear Planer	3	850.	I
PORTABLE GRINDER - Electric	3	826, I006,	2
GRINDING MACHINE - Bench Type	3	32I, I3I5, I408.	3
GRINDING MACHINE - External	2	320, II20, I346, 365, 372.	5
Cylindrical - Plain	3	5, I089, II79.	3
GRINDING MACHINE - External	2	I345, I476.	2
Cylindrical - Universal	3	843, I296, 369.	3
GRINDING MACHINE - Internal	2	367.	I
Cylindrical - Plain.	3	I586.	I
GRINDING MACHINE -Internal Cylindrical - chucking	3	II72.	I
GRINDING MACHINE -Internal Cylindrical - H.E.C.	2	I347	I
GRINDING MACHINE - External	2	II65, II66.	2
Cylindrical, Centerless	3	I242	I
GRINDING MACHINE - Surface -	2	368, 5I2.	2
Reciprocating Table	3	I28I, I045, I046.	3
GRINDING MACHINE - Thread -	2	350	I
External	3	349.	I
GRINDING MACHINE *- Profile Grinder	3	385, 386.	2
GRINDING MACHINE - Special	2	529, 530, 532, 709, 758, 77I, 830, 83I, I005, I009, I0I0, 379, 380, 384.	I4
Tool - Single Point Tool	3	6I, 255, 324, 325, 546, 770, 772, 773, 833, 834, 835, 858, I004,, 382.	I4
GRINDING MACHINE - Special Tool Broach.	2	366, 37I.	2
GRINDING MACHINE - Universal	2	256, 526, 527, 370, 375, 38I.	6
Tool and Cutter	3	327.	I

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

Machine Tool (cont'd)

Name of Machine	Class		No. of Machine
HORING MACHINE - Cylindrical Internal	2	I2I9, I220.	2
PORTABLE DRILL - Electric	2	IOII, IOI2, IOI3, IOI4, IOI5.	5
DRILLTING MACHINE	2	I387, I400, 383.	3
Bench Type	3	IOO2, I229.	2
	I	86I.	I
DRILLING MACHINE - Sensitive and Power fed, Upright.	2	472, 503, 832, IOO3, IOO8, 425, 5I8, 522, II00, 424, 682.	II
" "	3	239, 47I, 535, 536, 537, 543, 544, 545, 590, 59I, 666, 677, 679, 680, 857, 860, 9I4, 54.	I8
DRILLING MACHINE - Sensitive Fed, Upright, 2 - Spindles	2	IO5I, IO78.	2
DRILLING MACHINE - Sensitive Fed, Upright, 3 - Spindles	2	233, 234, 235, 265, 556, 557, 558, 67I, 673.	9
	3	264, 266, 5I7, 54I, 542, 668, 670, 672, I583, I584.	I0
DRILLING MACHINE - Radial - Plain	2	I9, I090, 423.	3
	3	IO7, 24I, 304, IO80.	4
CUTTING - OFF & SAWING MACHINE - Hack.	2	209, 465, 466, 743, 835, 837, 745, 744,	8
	3	464.	I
CUTTING - OFF & SAWING MACHINE - Abrasive	2	824, 829, II64.	3
	3	828.	I
		TOTAL	52I

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

Industrial Machine

Name of Machine	Class	Code Number: 27-9-	No. of Machine
Manual Press	2	501, 533, 708.	3
MECHANICAL PRESS - I - Point Vertical, Back.	2	722.	I
MECHANICAL PRESS - Friction Spindle.	2	716, 720, 741.	3
	3	710,	I
MECHANICAL PRESS - I - Point Vertical, Eccentric.	2	723,	I
	3	724,	I
MECHANICAL PRESS - I - Point Vertical, Trimming.	2	725, 726, 727.	3
	3	796,	I
HYDRAULIC PRESS - -Vertical - Drawing.	2	525.	I
	3	711.	I
HyDRAULIC PRESS - Vertical - Forging	2	798.	I
BENDING MACHINE - Plate	2	707.	I
SHEARING & PUNCHING MACHINE - Alligator Shear	2	728, 786.	2
SHEARING MACHINE - Rotary Disc Shear.	2	502.	I
WIRE FORMING MACHINE - Wire Straightening	3	763.	I
FORGING MACHINE - Hammer - air	2	740, 738, 780, 781, 783, 791, 784, 793.	8
	3	739, 782, 734, 792.	4
FORGING MACHINE - Hammer - Board Drop	2	787, 790, 4.	3
	3	732.	I
FORGING MACHINE - Hammer - Spring	2	27-I-1814 27-I-1815	2
FORGING MACHINE - Upsetter	3	1167	I.
WELDING MACHINE - Electric - Arc (A.C.)	I	495	I
	3	499, 498, 730, 731, 500, 821.	6

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

Industrial Machine (cont'd)

Name of Machine	Class	Code Number: 27-9-	No. of Machine
WELDING MACHINE - Electric - Resistance (Flash)	3	376	I
WELDING MACHINE - Electric - Resistance (Spot)	3	486	I
WELDING MACHINE - Electric - Resistance	3	377	I

TOTAL 51

Installation

6

Name of Machine	Class	Code Number: 27-9-	No. of Machine
HEAT TREATING FURNACE - Coal	2	746, 750	2
HEAT TREATING FURNACE - Coal and Gas	2	736, 785, 795	3
HEAT TREATING FURNACE - Electric	2	753	I
	3	749, 751, 756, 752, 754, 755,	6
HEAT TREATING FURNACE - Crucible	3	808, 813	2
HEAT TREATING FURNACE - Cokes Tilting Crucible	3	812	I
HEAT TREATING FURNACE - High Frequency	3	815	I
HEAT TREATING FURNACE - Electric Heroult	3	817	I
MARKING MACHINE - Linear Dividing	3	388	I
MARKING MACHINE - Circular Dividing	3	389	I
TESTING & MEASURING MACHINE - Pressure Testing	I	643	I
" "	2	642, 644	2
TESTING & MEASURING MACHINE - Inspection - Gear	3	392	I

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

Installation (cont'd)

Name of Machine	Class	Code Number: 27-9-	No. of Machine
TESTING & MEASURING MACHINE - Inspection - Comparator	3	390, 391	2
TESTING & MEASURING MACHINE - Strength of Material - Tension	3	72	I
TESTING & MEASURING MACHINE - Spring Testing - Combination	3	757	I
TESTING & MEASURING MACHINE - Hardness Testing - Brinell	3	775, 777	2
TESTING & MEASURING MACHINE - Hardness Testing - Vickers	3	998	I
CRANE - Jib - Hand Power	I	807	I
	3	715, 443	2
CRANE - Overhead Trolley - Travel & Hoist, Electric Power	I	814	I
	3	120, 195, 476, 816, 196	5
POWER BOILER - Fire Tube Horizontal return tubular	3	- - -	- - -
COMPRESSOR - Reciprocating - Single-acting (Air)	I	202, 204, 206	3
	3	636, 435, 436	3
COMPRESSOR - Reciprocating - Single-acting (Oxygen)	I	203, 205, 207	3
COMPRESSOR - Rotary - Lobe (Air)	I	818	I

TOTAL 49

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

Electrical Equipment

Name of Machine	Class	Code Number: 27-9-	No. of Machine
MOTOR GENERATOR -	I	263	I
MOTOR GENERATOR - Converter-Compound	I	640	I
TRANSFORMER - Indoor Type, Self cooled	I	906, 907, 2I4, 2I5, 986, 987, 489, 805, 9II, 9I2, 999, I000, I00I, I298, 487, 488, 225, 226, 4I4, 4I5, 4I6, 49I, 492, 493, 803, 988, 989, 990, 228, 229, 799, 800, 80I, I303, I304, I306.	36
	3	804, 888.	2
SWITCH GEAR - Indoor Type.	I	899, 900, 90I, 902, 903, 904, 905.	7
		TOTAL	47
		GRAND TOTAL	668

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

27-9

LIST OF AUTHORIZED USE MACHINE

4th June 1948

Nagasaki Precision Machine Works
Mitsubishi Heavy Industries Co., Ltd
200 Obashi-machi, Nagasaki City

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

DETAIL (Classification of the Production Equipment)

Machine Tool

Name of Machine	Class	Code Number: 27-9	No. of machine
LATHE - Bench Type - Standard	2	547, 548, 549, 553, 554, 555, 559, 560, 562, 563, 596	11 8
	3	157, 158, 159, 160, 243, 246, 538, 539, 540, 561, 598	11 6
LATHE - Engibe Type - Standard. 4ft.	2	272, 277, 280, 281, 282, 283, 284, 285, 287, 286, 288, 289, 290, 291, 292, 293, 570, 571, 572, 395, 396, 398, 403, 692, 693	25
	3	242, 273, 274, 275, 276, 278, 279, 397, 404	9
LATHE - Engine Type - Gap. 5ft.	3	1020	1
LATHE - Engine Type - 6ft. Standard	2	231, 232, 236, 237, 244, 247, 269, 270, 271, 296, 300, 301, 302, 319, 698, 700, 701, 856, 1056, 1057, 1157, 1158, 1316, 342, 347, 348, 393, 402, 408	29 27
	3	699, 702, 703, 704, 705, 706. 842, 1174, 1175, 1221, 1223, 344, 400	13 11
LATHE - Engine Type - Gap. 6 ft.	2	505, 516, 1030, 1031, 1101, 1102, 1159, 1309, 1317, 1318, 343, 345, 346	13 12
	3	53, 141, 619, 620, 622, 761, 1027, 1028, 1029, 401, 621	11

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LATHE - Engine Type - Standard 7ft.	2	297, 1160, 1243	3
LATHE - Engine Type - Standard 8ft.	2	32, 42, 91, 98, 99, 260, 298, 299, 311, 312, 313, 314, 315, 316, 445, 863, 1024	17
	3	447, 460, 1201, 1204	4
LATHE - Engine Type - Gap 8ft.	2	102, 238, 261, 294, 295, 504, 506, 511, 513, 515, 714, 840, 1017, 1018, 1019, 1022, 1094, 361, 362, 363	20
	3	143, 322, 444, 457, 458, 759, 760, 1023, 1150, 411	10
LATHE - Engine Type- Gap. 10ft.	2	323, 364,	2
	3	409, 410	2
LATHE - Engine Type - Standard 12ft.	2	1025, 1058	2
	2	29[illegible] 248, 510, 1016, 1075	5 4
	3	412	1
LATHE - Engine Type- Gap 20 ft.	2	167, 191	2
LATHE - Turret, Ram Type - Standard, Size No. 2	2	338, 564, 565, 567, 569, 576, 577, 654, 566 655	10
	3	574, 575, 647, 651, 653	5 4

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LATHE - Turret, Ram Type - Standard, Size No. 4	2	267, 337, 695, 1244, 1339, 1360, 1361	7 6
	3	268, 646, 696, 1038 1359, 694, 1401	7 6
LATHE - Turret, Saddle Type-Flat Turret, Size No. 8	2	92, 317, 318	3 0
LATHE - Automatic Chucking-Single Spindle	2	582, 584	2
	3	579, 580, 581, 583	4
LATHE - (Tool Room) - Precision Screwing	2	353, 354, 355, 356, 357, 358, 359, 360	8 5
	3	407	1 0
LATHE - (Tool Room) Relieving	3	394, 399	2
BORING Machine - Horizontal Boring, Drilling and Milling - table	2	307, 308, 310, 428	4
	3	165	1 0
BORING MACHINE - Precision Sincle & Horizontal	2	329	1
	3	8	1 0
BORING MACHINE - Jig	2	351, 352	2
PLANER - Double Housing	3	413	1
SHAPER - Horizontal, Stroke 20	2	1445, 431	2
	3	1320, 1371, 432, 433	4
SHAPER - Horizontal, Stroke 24"	1	862	1
	2	259, 523, 1082, 429, 430	5
	3	130	1

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SHAPER - Horizontal, Stroke 28"	2	520, 765	2
SLOTTER - Vertical, Stroke 6"	1	240	1
	3	427	1
SLOTTER - Vertical, Stroke 8"	1	262	1
	2	305, 1081, 1131, 1191, 426	5 3
SLOTTER - Vertical, Stroke 16"	3	434	1
MILLING MACHINE - Knee Type, Horizontal - Plain	2	339, 340, 341, 1311, 373, 374, 339	7
	3	585, 586, 587, 661, 1118, 1129, 1169, 1349, 588	9 6
MILLING MACHINE - Knee Type Horizontal - Universal	2	330, 331, 332, 16, 38, 249, 253, 550, 624, 658, 659, 712, 1047, 1084, 1278, 419, 420, 421	18 16
	3	336, 592, 252, 660, 594, 378, 1123, 91, 87, 254, 519, 623, 657, 662, 663, 664, 686, 1067, 1068, 1076, 1083, 1128, 1301, 417, 442, 665	26 17
MILLING MACHINE - Knee Type Vertical - Standard #2	2	78, 84, 250, 713, 1085, 1332, 1114	7 5
	3	10, 251, 855, 1156, 1194, 1195	6 4
MILLING MACHINE - Knee Type Vertical - Standard #6	3	306	1

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MILLING MACHINE - Knee Type, Vertical - Standard #6	3	306	1
MILLING MACHINE - Thread - External	2	1364	1 0
	3	1291	1
BROACHING MACHINE - Horizontal Internal	3	142, 1277	2
BROACHING MACHINE - Internal - Vertical	2	1276	1 0
GEAR CUTTING MACHINE - Gear Hobber - Single Spindle	2	334, 551, 552	3
	3	617, 618, 1587, 1588, 122, 422	6 3
GEAR CUTTING MACHINE - Gear Shaper-Spur, External and Internal	2	1052	1
GEAR CUTTING MACHINE - Straight Bevel, Gear, Generator	2	335, 1252	2 1
GEAR CUTTING MACHINE - Gear Generator - Formed Disc Cutter	3	30	1
GEAR CUTTING * Gear Planer	3	850	1
PORTABLE GRINDER- Electric	3	826, 1006	2
GRINDING MACHINE - Bench Type	3	321, 1315, 1408	3
GRINDING MACHINE - External Cylindrical - Plain	2	320, 1120, 1346, 365, 372	5

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GRINDING MACHINE - External Cylindrical- Plain	3	5, 1089, 1179	3 2
GRINDING MACHINE - External Cylindrical- Universal	2	1345, 1476	2
	3	843, 1296, 369	3
GRINDING MACHINE - Internal Cylindrical- Plain	2	367	1
	3	1586	1
GRINDING MACHINE - Internal Cylindrical- Chucking	3	1172	1
GRINDING MACHINE - Internal Cylindrical- H.E.C.	2	1347	1
GRINDING MACHINE - External Cylindrical Centerless	2	1165, 1166	2
	3	1242	1
GRINDING MACHINE - Surface - Reciprocating Table	2	368, 512	2
	3	1281, 1045, 1046	3
GRINDING MACHINE - Thread - External	2	350	1
	3	349	1 0
GRINDING MACHINE - Profile Grinder	3	385, 386	2
GRINDING MACHINE - Special Tool- Single Point Tool	2	529, 530, 532, 709, 758, 771, 830, 831, 1005, 1009, 1010, 379, 380, 384	14
	3	61, 255, 324, 325, 546	6 5

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	3	770, 772, 773, 833, 834, 835, 858, 1004, 382	14 9
GRINDING MACHINE - Special Tool Broach	2	366, 371	2
GRINDING MACHINE - Universal Tool and Cutter	2	256, 526, 527, 370, 375, 381	6
	3	327	1
HONING MACHINE - Cylindrical	2	1219, 1220	2 1
PORTABLE DRILL-Electric	2	1011, 1012, 1013, 1014, 1015	5
DRILLING MACHINE Bench Type	2	1387, 1400 383	3
	3	1002, 1229	2
DRILLING MACHINE - Sensitive and Power fed, Upright	1	861	1
	2	472, 503, 822, 1003, 1008, 425, 518, 522, 1160, 424, 682	11 9
" "	3	239, 471, 535, 536, 539, 543, 544, 545, 590, 591, 666, 672, 679, 680, 857, 860, 914, 54	18 7
DRILLING MACHINE - Sensitive Fed. Upright, 2-Spindles	2	1051, 1078	2
DRILLING MACHINE - Sensitive Fed. Upright, 3-Spindles	2	233, 234, 235, 265, 556, 673, 557, 558, 671	9
	3	262, 266, 517, 541, 542, 668, 670, 1583, 1584, 672	10
DRILLING MACHINE - Radial-Plain	2	19, 1090, 423	3
	3	107, 241, 304, 1080	4

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CUTTING - OFF & SAWING MACHINE - Hack	2	209, 465, 466, 743, 836, 837, 745, 744	8
	3	464	1
CUTTING - OFF & SAWING MACHINE Abrasive	2	824, 829, 1164	3
	3	828	1 0

TOTAL 521

Industrial Machine

Name of Machine	Class	Code Number: 27-9	No. of machine
Mannual Press	2	501, 533, 708	3
MECHANICAL PRESS - 1 - Point Vertical, Rack	2	722	1 0
MECHANICAL PRESS- Friction Spindle	2	716, 720, 741	3
	3	710	1
MECHANICAL PRESS - 1 Point Vertical, Eccentric	2	723	1 0
	3	724	1
MECHANICAL PRESS - 1 Point Vertical, Trimming	2	725, 726, 727	3
	3	796	1

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HYDRAULIC PRESS - Vertical - Drawing	2	525	1
	3	711	1
HYDRAULIC PRESS - Vertical - Forging	2	798	1
BENDING MACHINE - Plate	2	707	1
SHEARING & PUNCHING MACHINE - Alligator Shear	2	728, 786	2
SHEARING MACHINE - Rotary Dise Shear	2	502	~~1~~ 0
WIRE FORMING MACHINE - Wire Straightening	3	763	1
FORGING MACHINE - Hammer - air	2	740, 738, 780, 781, 791, 784, 793	4 7
	3	739, 782, 734, 792	4
FORGING MACHINE - Hammer - Board Drop	2	787, 790, 4	~~3~~ 2
	3	732	1
FORING MACHINE - Hammer - Spring	2	27-1-1814 27-1-1815	2
FORGING MACHINE - Up-setter	3	1167	1
WELDING MACHINE - Electric - Arc (A.G.)	1	495	1
	3	499, 498, 730, 731, 500, 821	~~6~~ 5

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WELDING MACHINE - Electric - Resistance (Flash)	3	376	1
WELDING MACHINE - Electric - Resistance (Spot)	3	486	1 0
WELDING MACHINE - Electric Resistance	3	377	1

TOTAL ---------- 51

Installations

Name of Machine	Class	Code Number: 27-9	No. of machine
HEAT TREATING FURNACE - Coal	2	746, 750	2
HEAT TREATING FURNACE - Coal and Gas	2	736, 985, 795	3
HEAT TREATING FURNACE - Electric	2	753	1
	3	749, 751, 756, 752, 754, 755	6 5
HEAT TREATING FURNACE - Crucible	3	808, 813	2 1
HEAT TREATING FURNACE - Cokes Tilting Crucible	3	812	1 0
HEAT TREATING FURNACE - High Frenquency	3	815	1
HEAT TREATMENT FURNACE - Electric Heroult	3	817	1 0
MARKING MACHINE - Linear Dividing	3	388	1

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MARKING MACHINE - Circular Dividing	3	389	1
TESTING & MEASURING MACHINE - Pressure Testing	1	643	1
" " "	2	642, 644	2
TESTING & MEASURING MACHINE - Inspection - Gear	3	392	1
TESTING & MEASURING MACHINE - Inspection - Comparator	3	390, 391	2
TESTING & MEASURING MACHINE - Strength of Material - Wenkion	3	✓ 72	1
TESTING & MEASURING MACHINE - Testing - Combination	3	757	1
TESTING & MEASURING MACHINE - Hardness Testing - Brinell	3	775, 777	2
TESTING & MEASURING MACHINE - Hardness Testing - Vickers	3	998	1
CRANE - Jib - Hand Power	1	807	1
	3	715, 443	2
CRANE - Overhead Trolley - Travel & Hoist, Electric Power	1	814	1
	3	120, 195, 476, 816, 196	64
POWER BOILER - Wire Tube Horizontal Return Tubular	3	———	——

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COMPRESSOR - Reciprocating - Single - Acting (Air)	1	202, 204, 206	3
	3	636, 435, 436	3
COMPRESSOR - Reciprocating - Single - Acting (Oxygen)	1	203, 205, 207	3
CINORESSOR - Rotary - Lobe (Air)	1	818	1

TOTAL ---------- 49

Electrical Equipment

Name of Machine	Class	Code Number: 27-9	No. of Machine
MOTOR GENERATOR	1	263	1
MOTOR GENERATOR - Converter - Compound	1	640	1
TRANSFORMER & Indoor Type, Self Cooled	1	906, 907, 214, 215, 986, 987, 489, 805 911, 912, 999, 1000 1001, 1298, 487, 488, 225, 226, 414, 415, 416, 491, 492, 493, 803, 988, 989, 990, 228, 229, 799, 800, 801, 1313, 1304 1306	36
	3	804, 888	21
SWITCH GEAR - Indoor Type	1	889, 900, 901, 902 903, 904, 905	7

TOTAL ---------- 47

GRAND TOTAL ---------- ~~688~~ 588

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DETAILS OF MACHINES BEING USED

Nagasaki Precision Machine Works
Mitsubishi Heavy-Industries Co., Ltd.
20^{0} Ohashi-machi, Nagasaki City.

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

DETAIL (Classification of the Production Equipment)

Machine Tool

Name of Machine	Class	Code Number: 27-9 -	No. of Mach.
LATHE - Bench Type - Standard	2	547, 548, 549, 553, 554, 559, 560, 562, 563, 596. 555.	11
	3	157, 158, 159, 160, 243, 246, 538, 529, 540, 561, 598.	11
LATHE - Engine Type - Standard.	2	272, 277, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 570, 571, 572, 395, 396, 398, 403, 692, 683, 1456.	26
	3	242, 273, 274, 275, 276, 278, 279, 397, 404.	9
LATHE - Engine Type - Gap, 5 ft.	3	1020, 1465.	2
LATHE - Engine Type - Standard 6 ft.	2	231, 232, 236, 237, 244, 247, 269, 270, 271, 296, 300, 301, 302, 319, 698, 700, 701, 856, 1056, 1057, 1157, 1158, 1316, 342, 347, 348, 393, 402, 408.	29
	3	699, 702, 703, 704, 705, 706, 842, 1174, 1175, 1221, 1223, 344, 400, 1459.	14
LATHE - Engine Type - Gap, 6 ft.	2	505, 516, 1030, 1031, 1101, 1102, 1159, 1309, 1317, 1318, 343, 345, 346, 1463.	14
	3	53, 141, 619, 620, 621, 622, 761, 1027, 1028, 1029, 401.	11
LATHE - Engine Type - Standard, 7 ft.	2	297, 1160, 1243.	3
LATHE - Engine Type - Standard, 8 ft.	2	32, 42, 91, 98, 99, 260, 298, 299, 311, 312, 313, 314, 315, 316, 445, 863, 1024, 1464.	18
	3	447, 460, 1201, 1204.	4
LATHE - Engine Type - Gap, 8 ft.	2	102, 238, 261, 294, 295, 504, 506, 511, 513, 515, 714, 840, 1017, 1018, 1019, 1022, 1094, 361, 362, 363, 1460.	21
	3	143, 322, 444, 457, 458, 759, 760, 1023, 1150, ~~447~~, 1462, 411	11
LATHE - Engine Type - Gap, 10 ft.	2	323, 364.	2
	3	409, 410, 1466.	3
LATHE - Engine Type - Standard, 12 ft.	2	1025, 1058, 1461	3
LATHE - Engine Type - Gap, 12 ft. 14 ft.	2	29, 248, 510, 1016, 1075.	5
	3	~~410~~ 1203.	1
LATHE - Engine Type - Gap, 15 ft.	2	155, 1337.	2

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Machine Tool (cont'd)

Name of Machine	Class	Code Number: 27-9-	Number of Machine
LATHE - Engine Type - Gap, 20 ft.	2	167, 191.	2
LATHE - Turret, Ram Type - Standard, Size No. 2.	2	338, 564, 565, 566, 567, 569, 576, 577, 654, 655.	10
	3	574, 575, 647, 651, 653.	5
LATHE - Turrt, Ram Type - Standard, Size No. 4	2	267, 337, 695, 1244, 1339, 1360, 1361.	7
	3	268, 646, 696, 1038, 1359, 694, 1401	7
LATHE - Turret, Saddle Type - Flat Turret, Size No. 8	2	92, 317, 318.	3
LATHE - Automatic Chucking - Single Spindle.	2	582, 584.	2
	3	579, 580, 581, 583	4
LATHE - (Tool Room) - Precision Screwing.	2	353, 354, 355, 356, 357, 358, 359, 360.	8
	3	407	1
LATHE - (Tool Room) - Relieving.	3	394, 399.	2
BORING MACHINE - Horizontal Boring, Drilling and Milling.	2	307, 308, 310, 428, 1475.	5
- Table.	3	165, 1297, 1551.	3
BORING MACHINE - Precision - Single and Horizontal.	2	329	1
	3	8	1
BORING MACHINE - Jig.	2	351, 352.	2
PLANER - Double Housing.	3	413	1
SHAPER - Horizontal, Stroke 20"	2	1445, 431.	2
	3	1320, 1371, 432, 433	4
SHAPER - Horizontal, Stroke 24"	1	862	1
	2	259, 523, 1088, 429, 1473, 430	6
	3	130	1
SHAPER - Horizontal, Stroke 28"	2	520, 765.	2
SLOTTER - Vertical, Stroke 6"	1	240	1
	3	427	1
SLOTTER - Vertical, Stroke 8"	1	262	1
	2	305, 1081, 1131, 1191, 426, 1474.	6

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Machine Tool

Name of Machine	Class	Code Number: 27-9-	No. of Mach.
SLOTTER - Vertical, Stroke 16"	3	434	1
MILLING MACHINE - Knee Type, Horizontal - Plain.	2	339, 340, 341, 1311, 373, 374, 333.	7
	3	585, 586, 587, 661, 1118, 1129, 1169, 1349, 588.	9
MILLING MACHINE - Knee Type, Horizontal - Universal	2	330, 331, 332, 16, 38, 249, 253, 550, 624, 658, 659, 712, 1047, 1084, 1278, 419, 420, 421, 1468, 1471, 1478.	21
	3	336, 592, 594, 252, 660, 1123, 71, 87, 254, 378, 442, 519, 623, 657, 662, 663, 664, 665, 686, 1067, 1068, 1076, 1083, 1128, 1301, 417.	26
MILLING MACHINE - Knee Type, Vertical - Standard # 2	2	78, 84, 250, 713, 1085, 1332, 1114,	7
	3	10, 251, 855, 1156, 1194, 1195.	6
MILLING MACHINE - Knee Type, Vertical - Standard, #6,	3	306	1
MILLING MACHINE - Thread - External.	2	1364	1
	3	1291	1
BROACHING MACHINE - Internal - Horizontal.	3	142, 1277	2
BROACHING MACHINE - Internal - Vertical.	2	1276	1
GEAR CUTTING MACHINE - Gear Hobber - Single Spindle.	2	334, 551, 552, 1477	4
	3	617, 618, 1587, 1588, 122, 422	6
GEAR CUTTING MACHINE - Gear Shaper - Spur, External and Internal.	2	1052	1
GEAR CUTTING MACHINE - Straight Bevel Gear, Generator.	2	335, 1252	2
GEAR CUTTING MACHINE - Gear Generator - Formed disc cutter.	3	30	1
GEAR CUTTING - Gear Planer	3	850	1
PORTABLE GRINDER - Electric	3	826, 1006	2
GRINDING MACHINE - Bench Type.	3	321, 1315, 1408	3
GRINDING MACHINE - External Cylindrical - Plain.	2	320, 1120, 1346, 365, 372.	5
	3	5, 1089, 1179	3

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Machine Tool (cont'd)

Name of Machine	Class	Code Number: 27-9-	No. of Mach.
GRINDING MACHINE - External Cylindrical - Universal	2	1345, 1476.	2
	3	843, 1296, 369	3
GRINDING MACHINE - Internal Cylindrical - Plain.	2	367.	1
	3	1586	1
GRINDING MACHINE - Internal Cylindrical - Chucking.	3	1172	1
GRINDING MACHINE - Internal Cylindrical - N.E.C.	2	1347	1
GRINDING MACHINE - External Cylindrical, Centerless.	2	1165, 1166	2
	3	1242	1
GRINDING MACHINE - Surface - Reciprocating Table.	2	368, 512.	2
	3	1281, 1568, 1045, 1046.	4
GRINDING MACHINE - Thread - External.	2	350	1
	3	349	1
GRINDING MACHINE - Profile Grinder.	3	385, 386.	2
GRINDING MACHINE - Special Tool - Single Point Tool.	2	529, 530, 532, 709, 758, 771, 830, 831, 1005, 1009, 1010, 379, 380, 384, 1458.	15.
	3	61, 255, 324, 325, 546, 770, 772, 773, 833, 834, 835, 858, 1004, 382, 1469.	15
GRINDING MACHINE - Special Tool-Broach.	2	366, 371.	2
GRINDING MACHINE - Universal Tool and Cutter.	2	256, 526, 527, 370, 375, 381, 1472.	7
	3	327	1
HONING MACHINE - Cylindrical Internal.	2	1219, 1220	2
PORTABLE DRILL - Electric	2	1011, 1012, 1013, 1014, 1015.	5
DRILLING MACHINE - Bench Type.	2	1387, 1400, 383	3
	3	1002, 1229, 1467.	3

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Machine Tool (cont'd)

Name of Machine	Class	Code Number: 27-9-	No. of Mach.
DRILLING MACHINE - Sensitive and Power Fed, Upright.	1	861	1
	2	472, 503, 832, 1003, 1008, 425, 518, 522, 1100, 424, 682.	11
	3	239, 471, 535, 536, 537, 543, 544, 545, 590, 591, 666, 677, 679, 680, 857, 860, 914, 1457, 54.	19
DRILLING MACHINE - Sensitive, Fed Upright, 2 - Sindles.	2	1051, 1078.	2
DRILLING MACHINE - Sensitive Fed, Upright, 3 - Spindles.	2	233, 234, 235, 265, 556, 557, 558, 671, 673.	9
	3	264, 266, 517, 541, 542, 668, 670, 672, 1583, 1584.	10
DRILLING MACHINE - Radial - Plain.	2	19, 1090, 423, 1470.	4
	3	107, 241, 304, 1080.	4
CUTTING -OFF & SAWING MACHINE - Hack.	2	209, 465, 466, 743, 836, 837, 745, 744, 1481.	9
	3	464.	1
CUTTING - OFF & SAWING MACHINE- Abrasive.	2	824, 829, 1164.	3
	3	828.	1

TOTAL 549

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Industrial Machine

Name of Machine	Class	Code Number: 27-9-	No. of Machine
MANUAL PRESS	2	501, 533, 708.	3
MECHANICAL PRESS - 1 - point Vertical, Rack.	2	722	1
MECHANICAL PRESS - Friction Spindle.	2	716, 720, 741	3
	3	710	1
MECHANICAL PRESS - 1 - point Vertical, Eccentric.	2	723.	1
	3	724	1
MECHANICAL PRESS - 1 - point Vertical, Trimming.	2	725, 726, 727	3
	3	796	1
HYDRAULIC PRESS - Vertical - Drawing.	2	525	1
	3	711	1
HYDRAULIC PRESS - Vertical - Forging	2	798	1
BENDING MACHINE - Plate.	2	707	1
SHEARING & PUNCHING MACHINE - Alligator Shear.	2	728, 786.	2
SHEARING MACHINE - Rotary Disc Shear.	2	582	1
WIRE FORMING MACHINE - Wire Straightening.	3	763.	1
FORGING MACHINE - Hammer - Air	2	740, 738, 780, 781, 783, 791, 784, 793,	8
	3	739, 782, 734, 792.	4
FORGING MACHINE - Hammer - Board Drop.	2	787, 790, 4	3
	3	732	1
FORGING MACHINE - Hammer Spring.	2	27-1-1814EX, 27-1-1815EX.	2
FORGING MACHINE - Upsetter.	3	1167	1
WELDING MACHINE - Electric - Arc (A.C.)	1	495	1
	3	499, 498, 730, 731, 500, 821	6

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

Industrial Machine (cont'd)

Name of Machine	Class	Code Number: 27-9-	No. of Machine
WELDING MACHINE - Electric - Resistance (Flash)	3	376	1
WELDING MACHINE - Electric - Resistance (Spot)	3	486	1
WELDING MACHINE - Electric - Resistance.	3	377	1

TOTAL..... 51

Installation

NAME OF MACHINE	Class	Code Number: 27-9-	No. of Machine
HEAT TREATING FURNACE - Coal	2	746, 750	2
HEAT TREATING FURNACE - Coal and Gas	2	736, 785, 795.	3
HEAT TREATING FURNACE - Electric	2	753	1
	3	749,751,756,752,754,755.	6
HEAT TREATING FURNACE - Crucible.	3	808, 813	2
HEAT TREATING FURNACE - Cokes Tilting Crucible.	3	812	1
HEAT TREATING FURNACE - High Frequency.	3	815	1
HEAT TREATING FURNACE - Electric, Héroult	3	817	1
MARKING MACHINE - Linear Dividing.	3	388	1
MARKING MACHINE - Circular Dividing.	3	389.	1
TESTING & MEASURING MACHINE - Pressure Testing.	1	643	1
" "	2	642, 644.	2
TESTING & MEASURING MACHINE - Inspection - Gear.	3	392	1

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Installation (cont'd)

Name of Machine	Class	Code Number: 27-9-	No. of Machine
TESTING & MEASURING MACHINE - Inspection - Comparator.	3	390, 391	2
TESTING & MEASURING MACHINE - Strength of Material - Tension.	3	72	1
TESTING & MEASURING MACHINE - Strength of Material - Torsion.	3	1519	1
TESTING & MEASURING MACHINE - Strengthof Material - Impact.	2	1520	1
TESTING & MEASURING MACHINE - Spring Testing - Combination	3	757	1
TESTING & MEASURING MACHINE - Hardness Testing - Brinell.	3	775, 777.	2
TESTING & MEASURING MACHINE - Hardness Testing - Vickers.	3	998	1
CRANE - Jib - Hand Power.	1	807	1
	3	715, 443	2
CRANE - Jib - Electric Power	3	1507.	1
CRANE - Overhead Trolley - Travel & Hoist, Electric Power.	1	814, 1450, 1512, 1508, 1480, 1483, 1513.	7
	3	120, 195, 476, 816, 196.	5
POWER BOILER - Water Tube - Scotch.	3	2, 3.	2
POWER BOILER - Fire Tube Horizontal return Tubular.	3	1479	1
COMPRESSOR - Reciprocating - Single-acting (Air).	1	202, 204, 206.	3
	3	636, 435, 456.	3
COMPRESSOR - Reciprocating - Single-acting (Oxygen).	,	203, 205, 207.	3
COMPRESSOR - Rotary - Lobe (Air)	1	818	1
		TOTAL.....	61

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Electrical Equipment

Name of Machine	Class	Code Number: 27-9-	No. of Machine
MOTOR GENERATOR	1	263	1
MOTOR GENERATOR - Converter-Compound.	1	640	1
TRANSFORMER - Indoor Type, Self cooled.	1	1502, 906, 907, 214, 215, 1501, 986, 987, 1451, 489, 805, 911, 912, 999, 1000, 1001, 1453, 1454, 1455, 1484, 1485, 1298, 487, 488, 225, 226, 414, 415, 416, 491, 492, 493, 803, 988, 989, 990, 228, 229, 1498, 1499, 799, 800, 801, 1303, 1304, 1306.	46
	3	804, 888.	2
SWITCH GEAR - Indoor Type.	1	899, 900, 901, 902, 903, 904, 905.	7

TOTAL.....57

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REPORT

of

The Nagasaki Precision Machine Works
Mitsubishi Heavy-Industries Co., Limited

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

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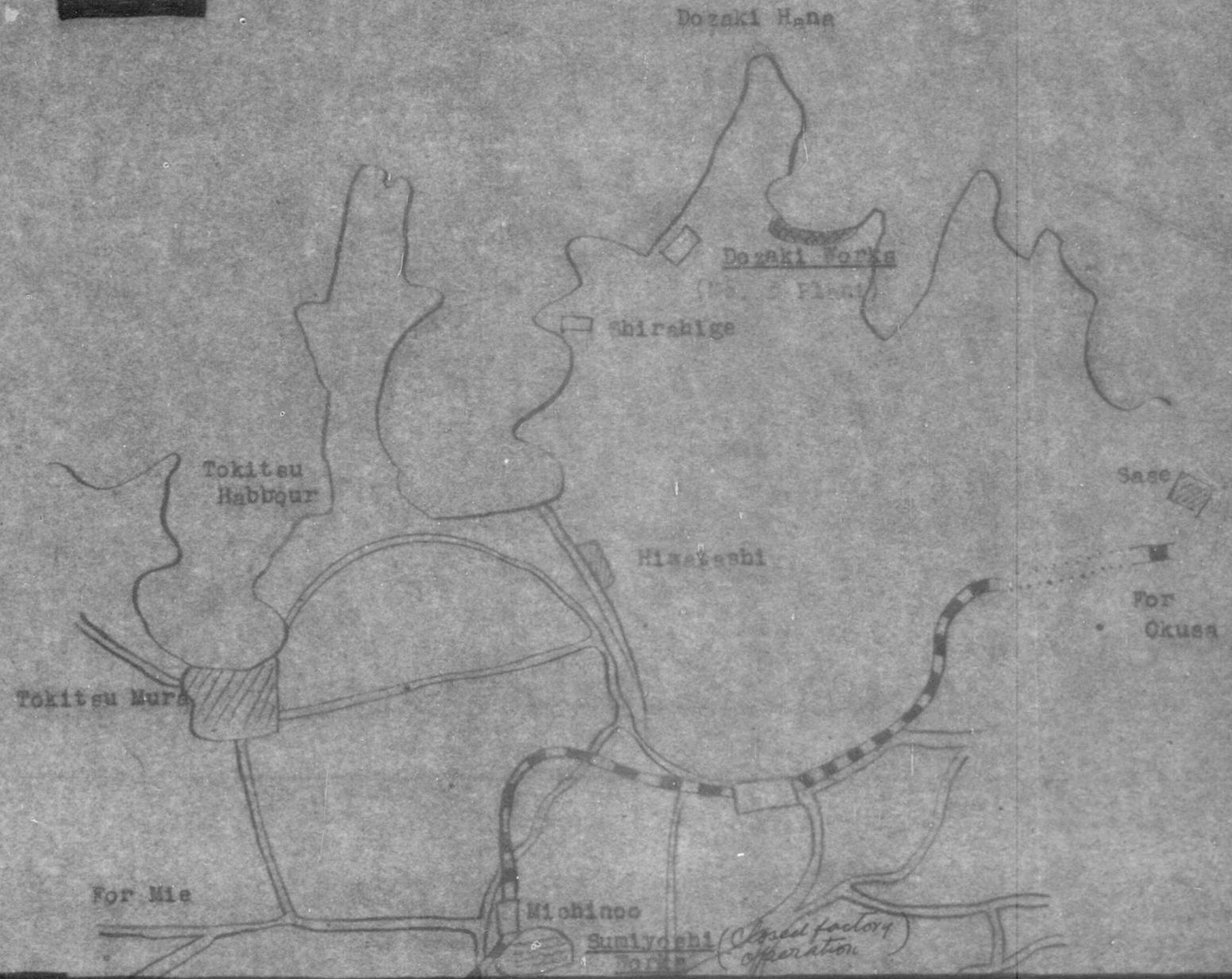
工場配置図

LOCATION OF THE WORKS

[redacted]



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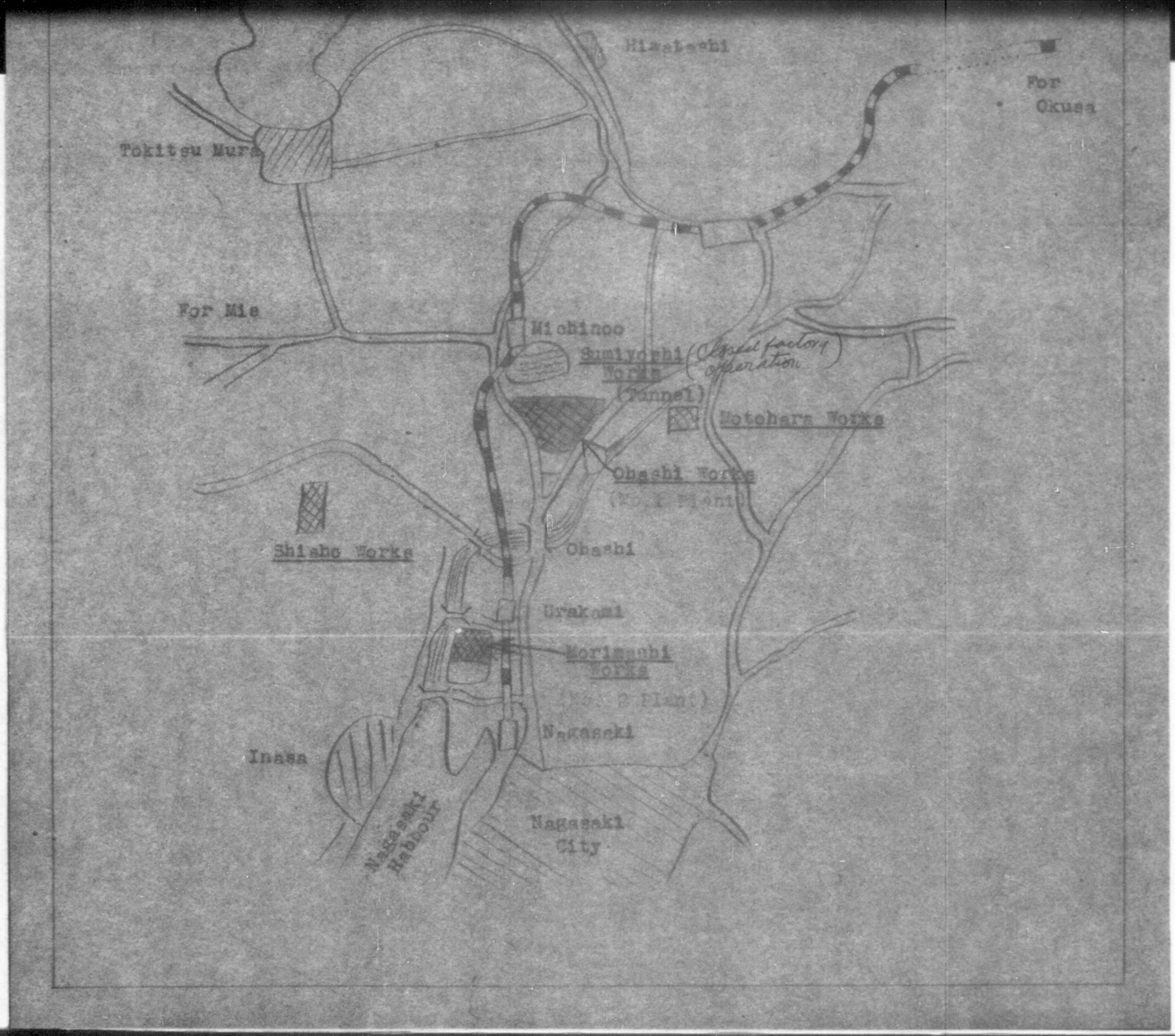

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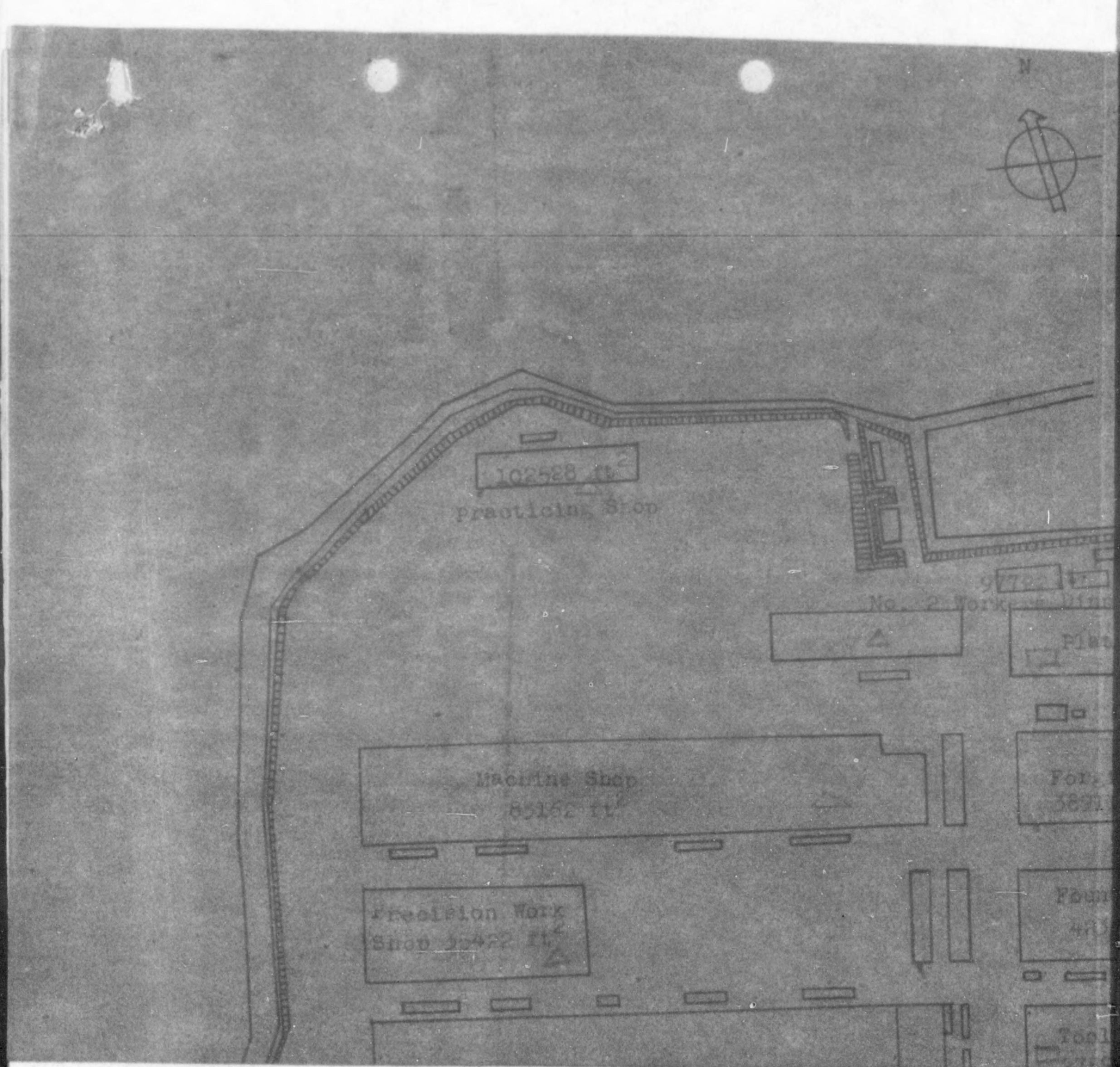

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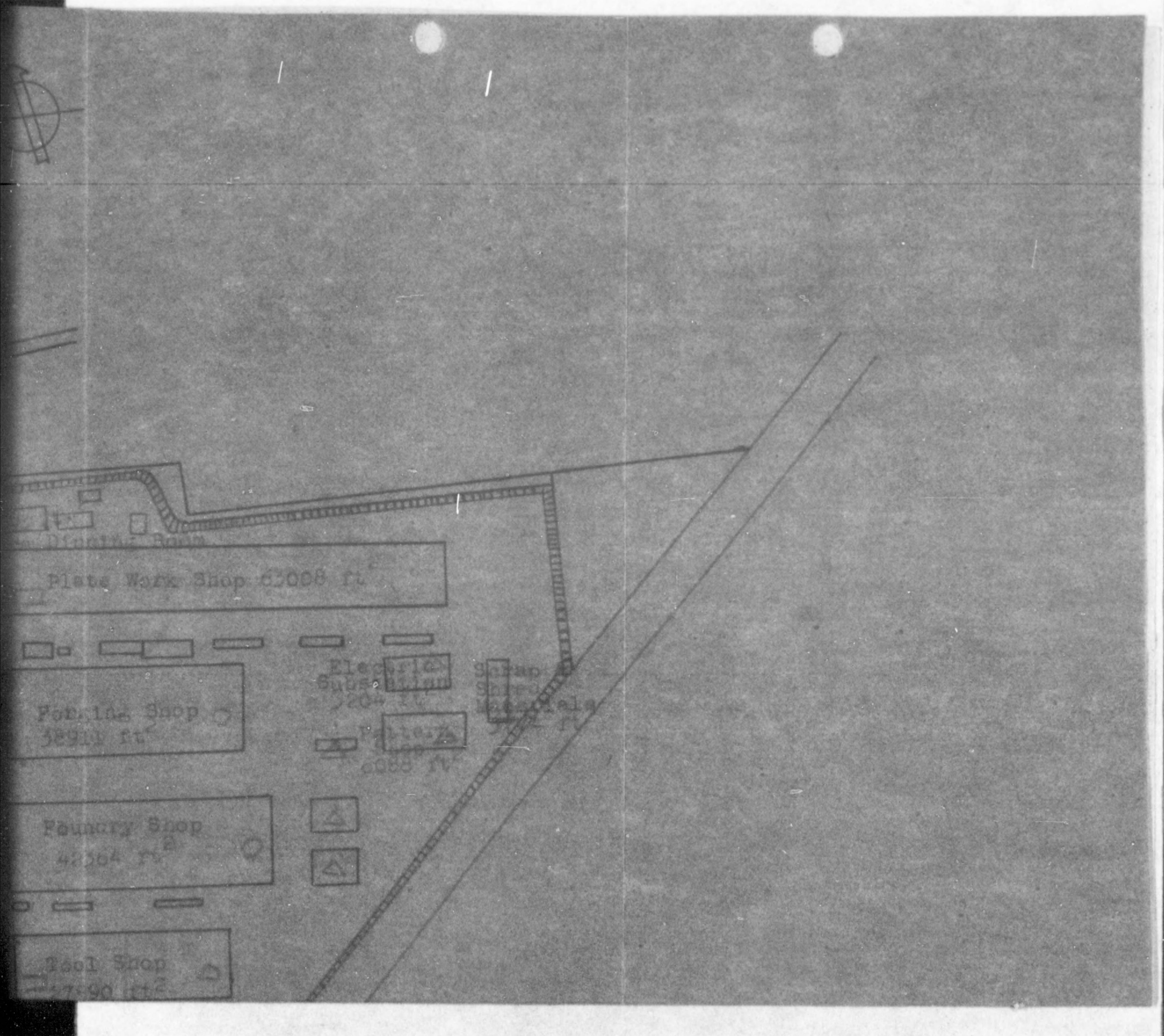

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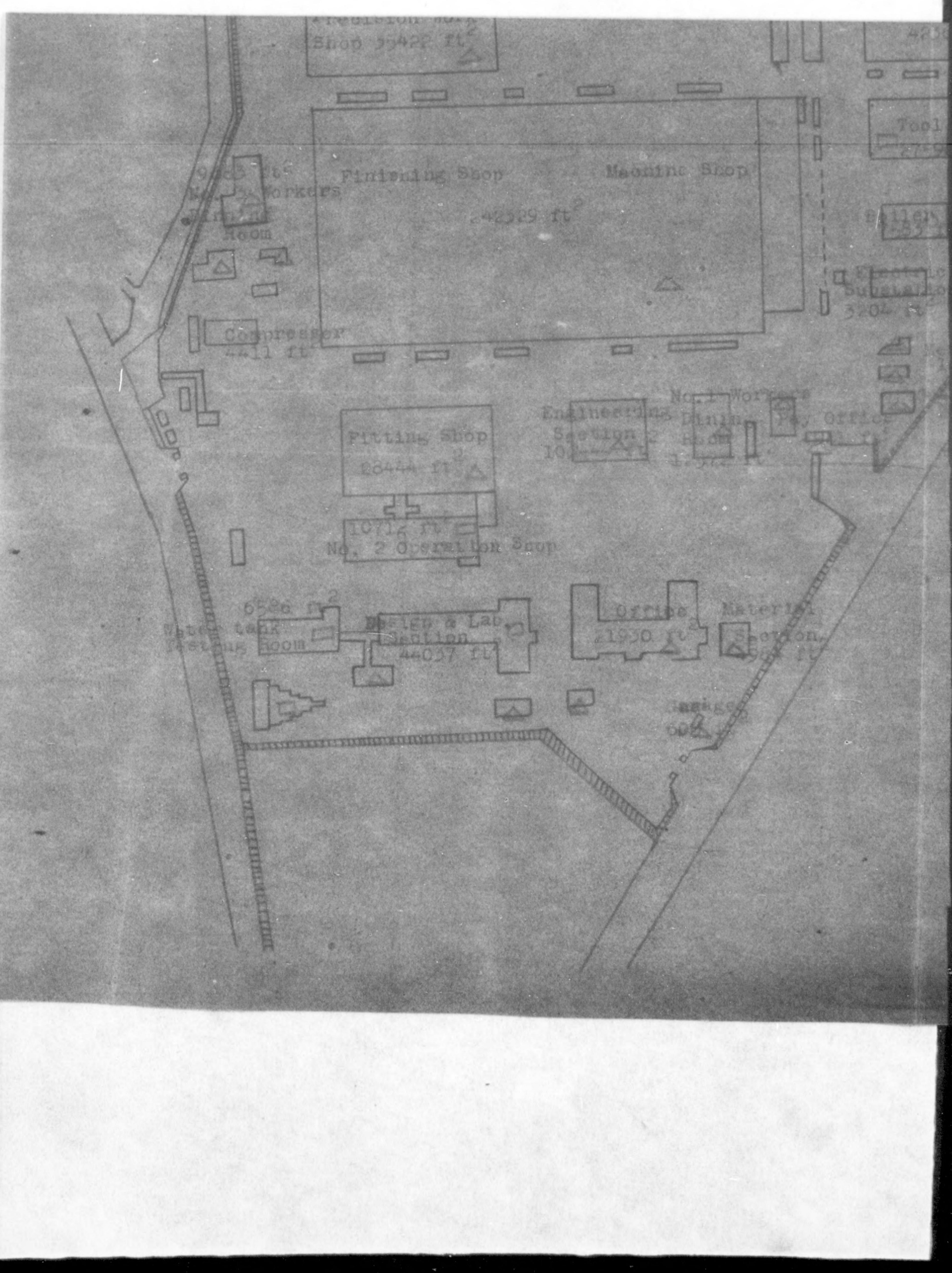

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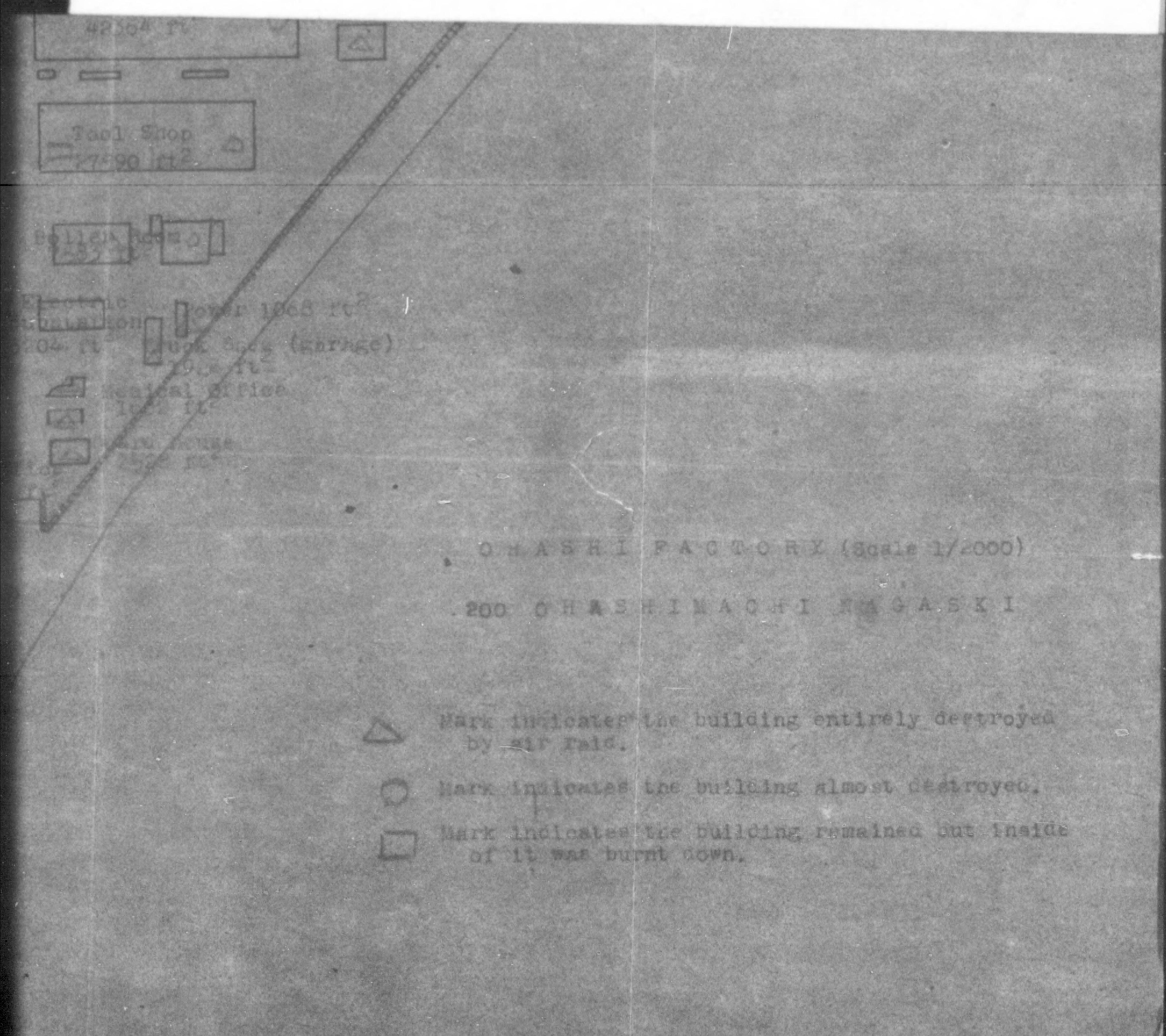

△ Mark indicates the building entirely destroyed by air raid.

○ Mark indicates the building almost destroyed.

□ Mark indicates the building remained but inside of it was burnt down.

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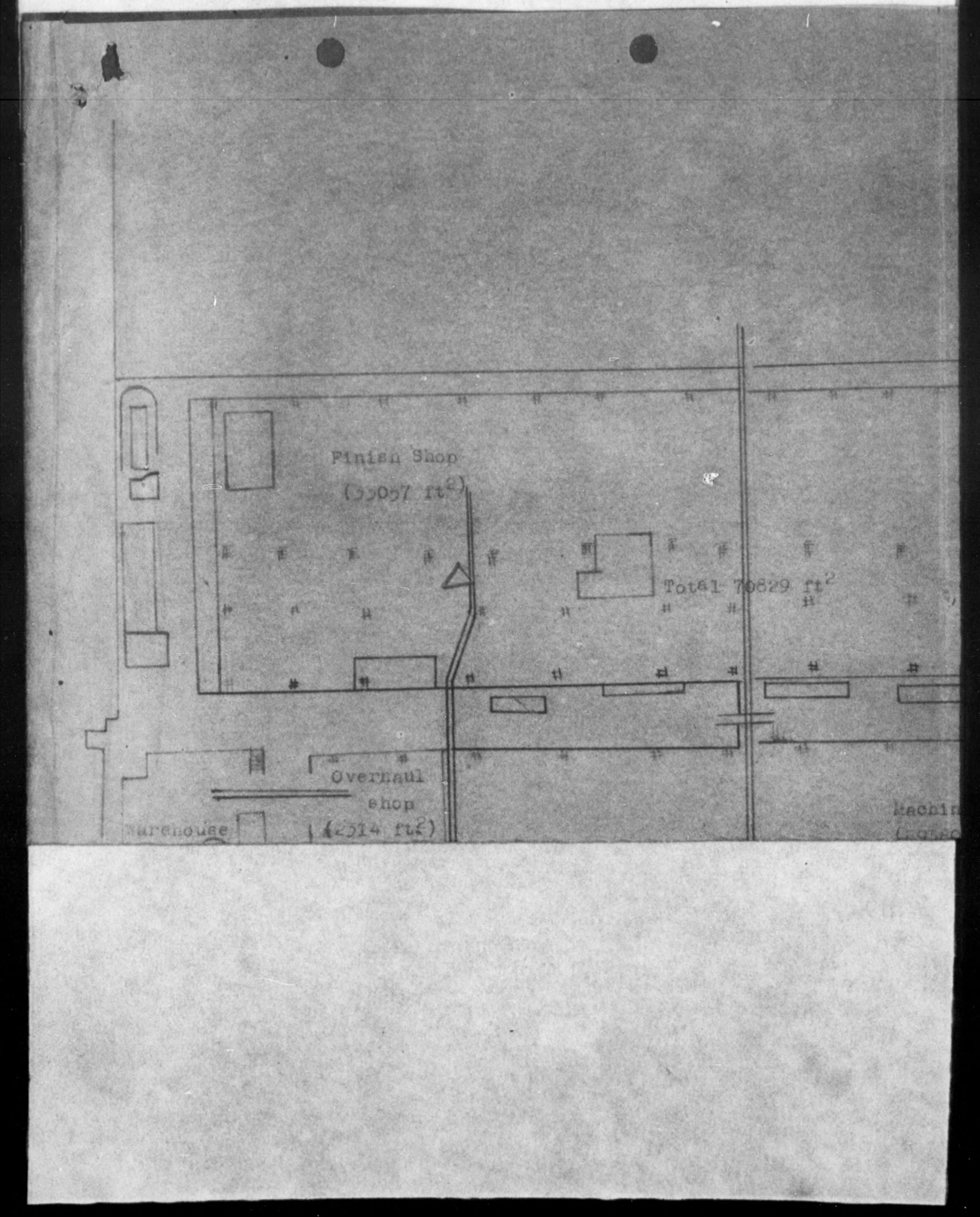

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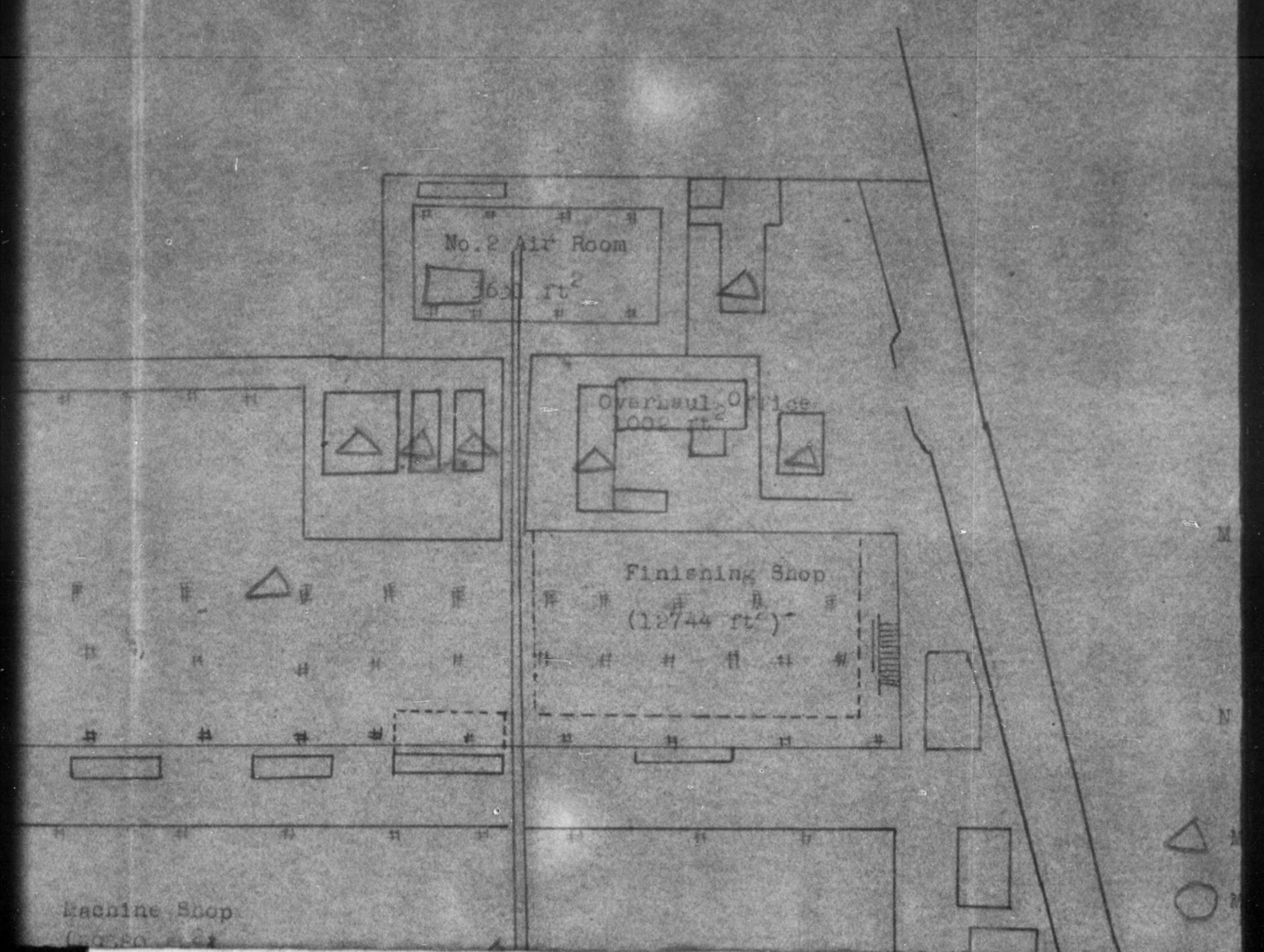

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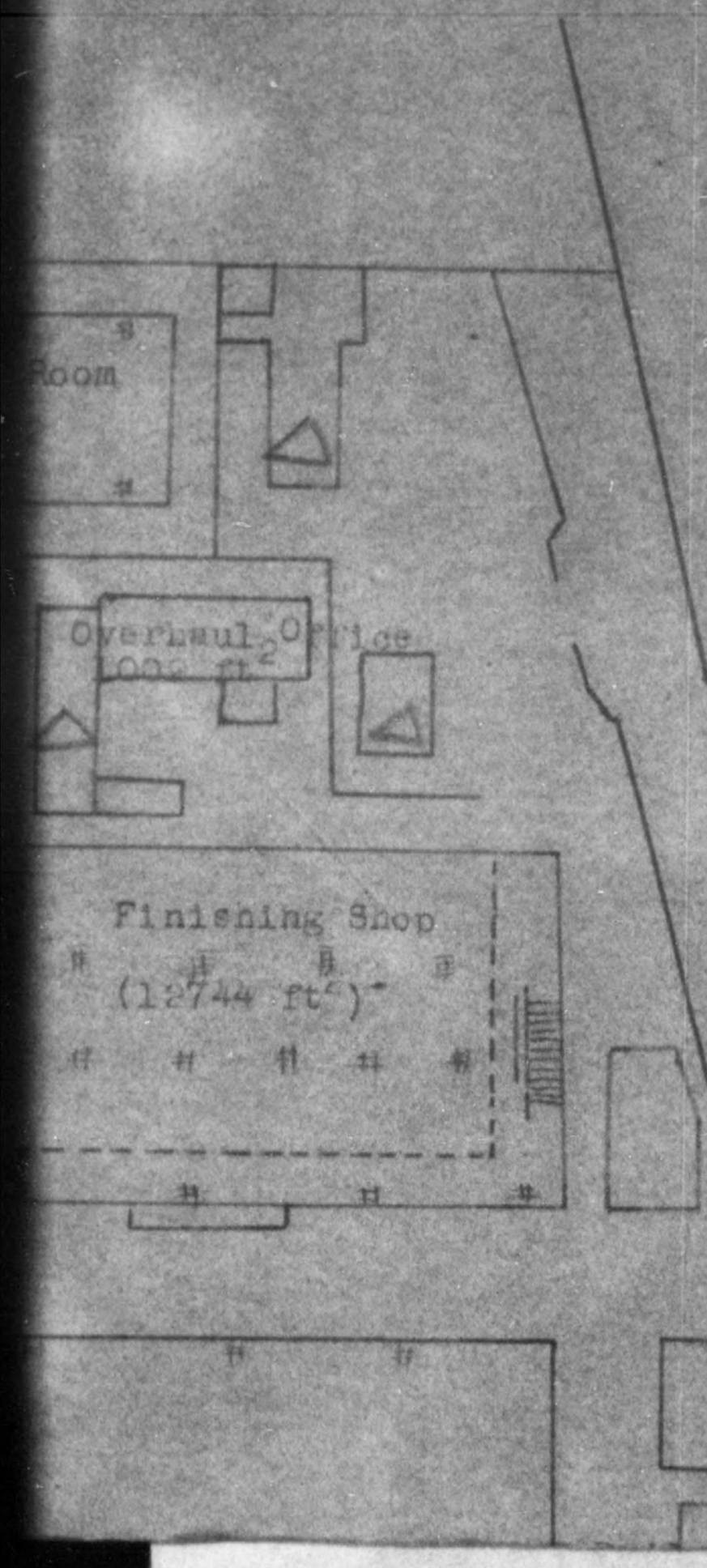

Location Map and Area

M O R I M A C H I F A C T O R Y
(Scale 1 m/m - 2 ft)

N O. 40 MORIMACHI, NAGASAKI

△ Mark indicates the building entirely destroyed by air raid.

○ Mark indicates the building remained but inside of it was burnt down.

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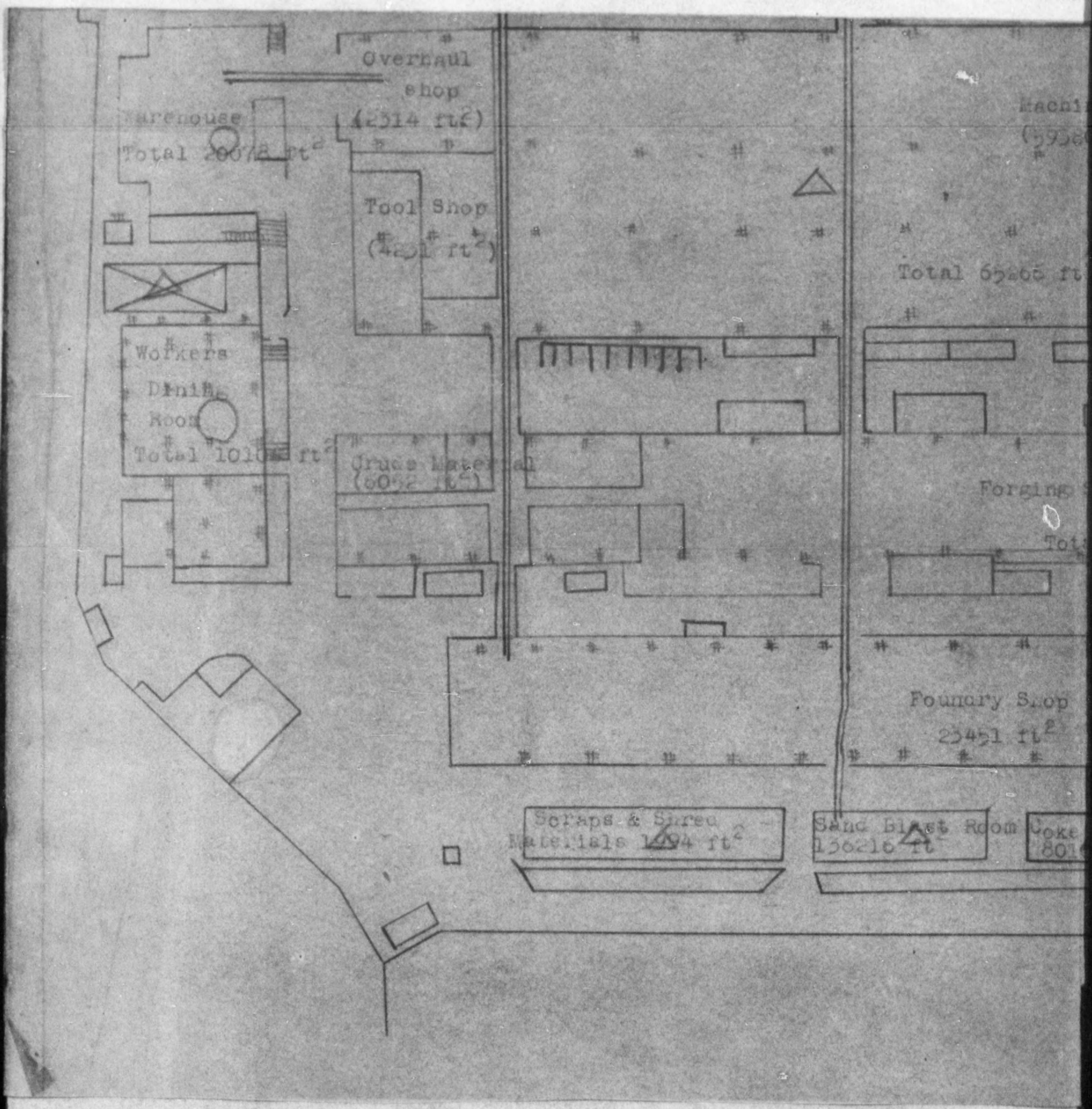

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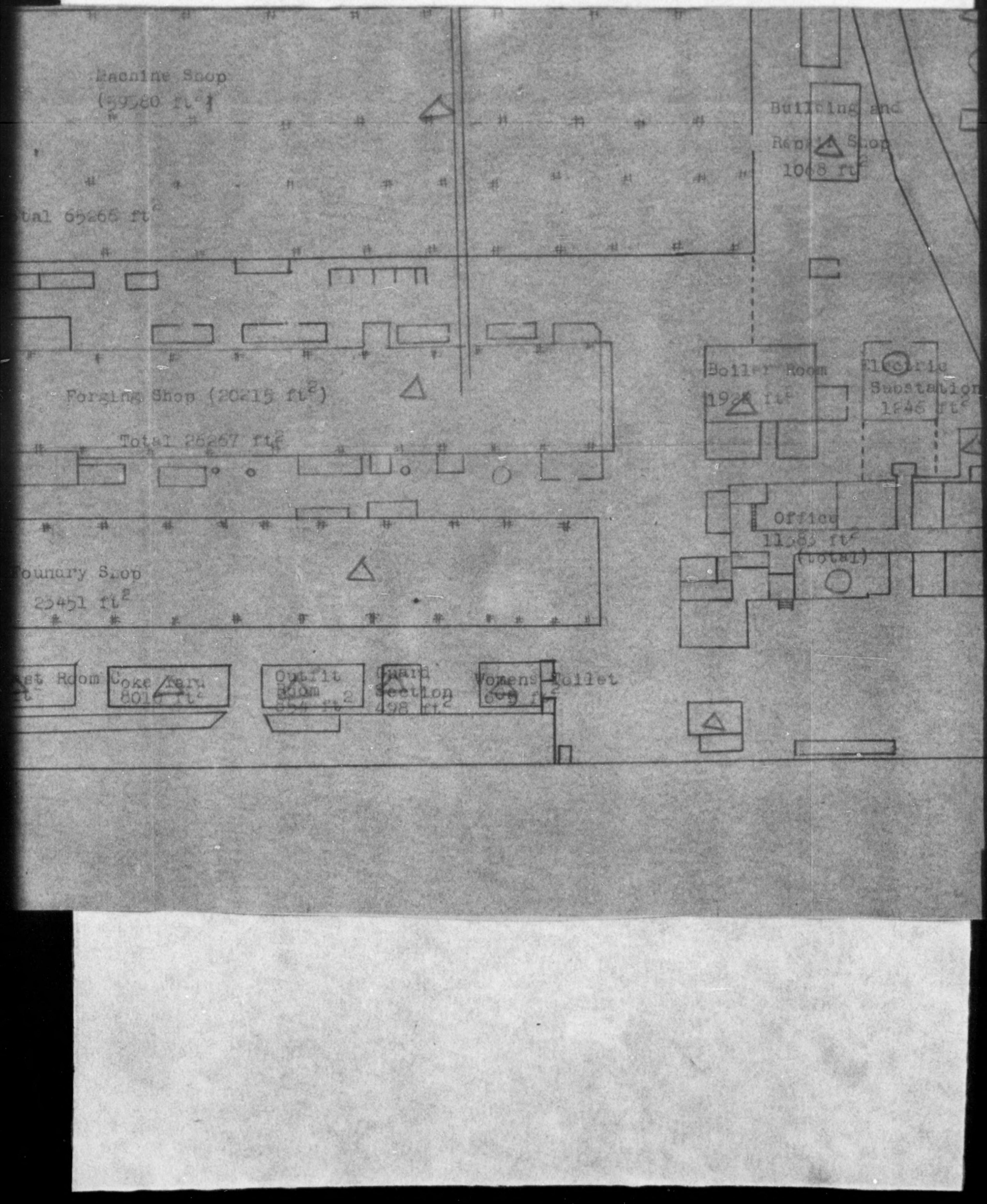

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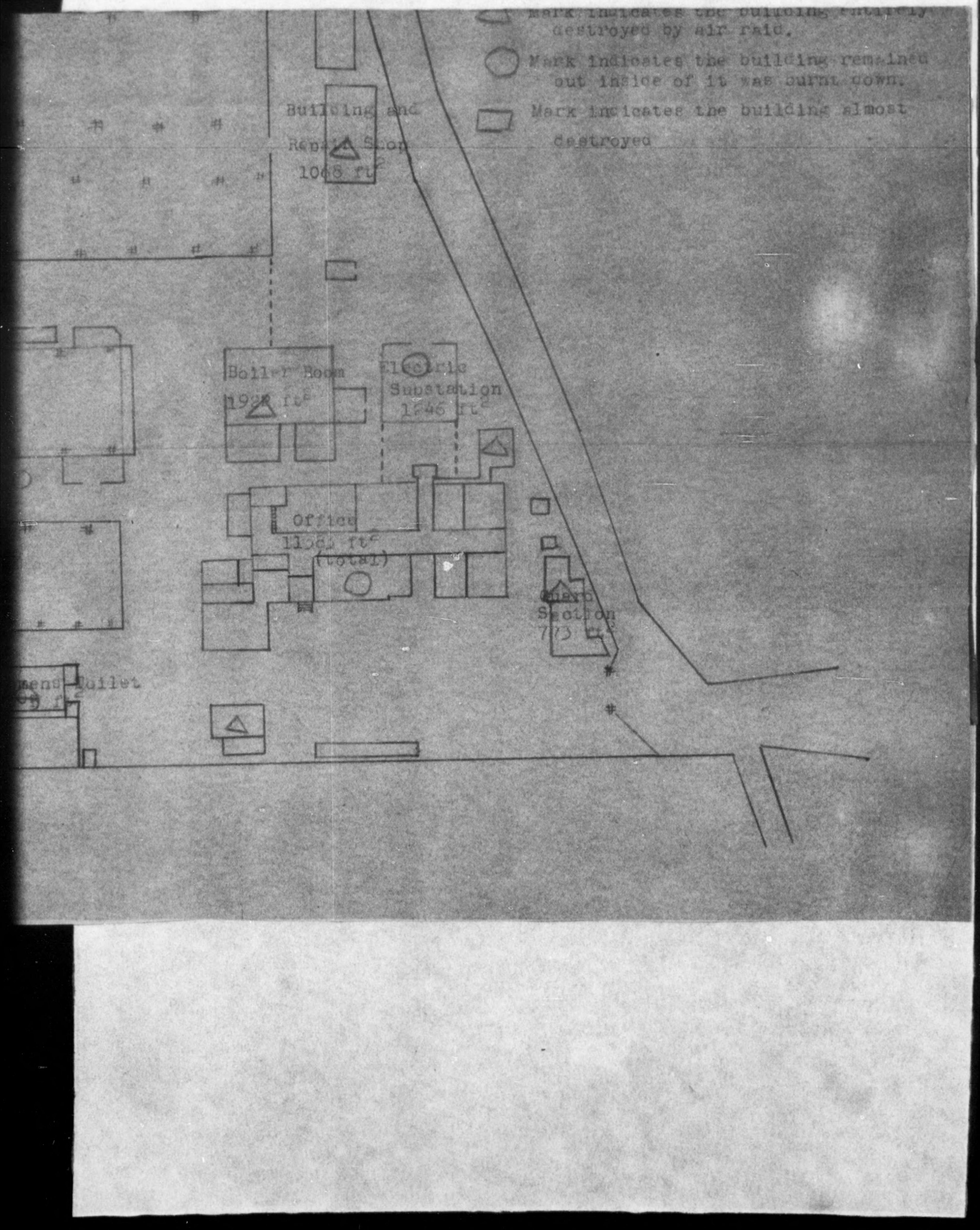

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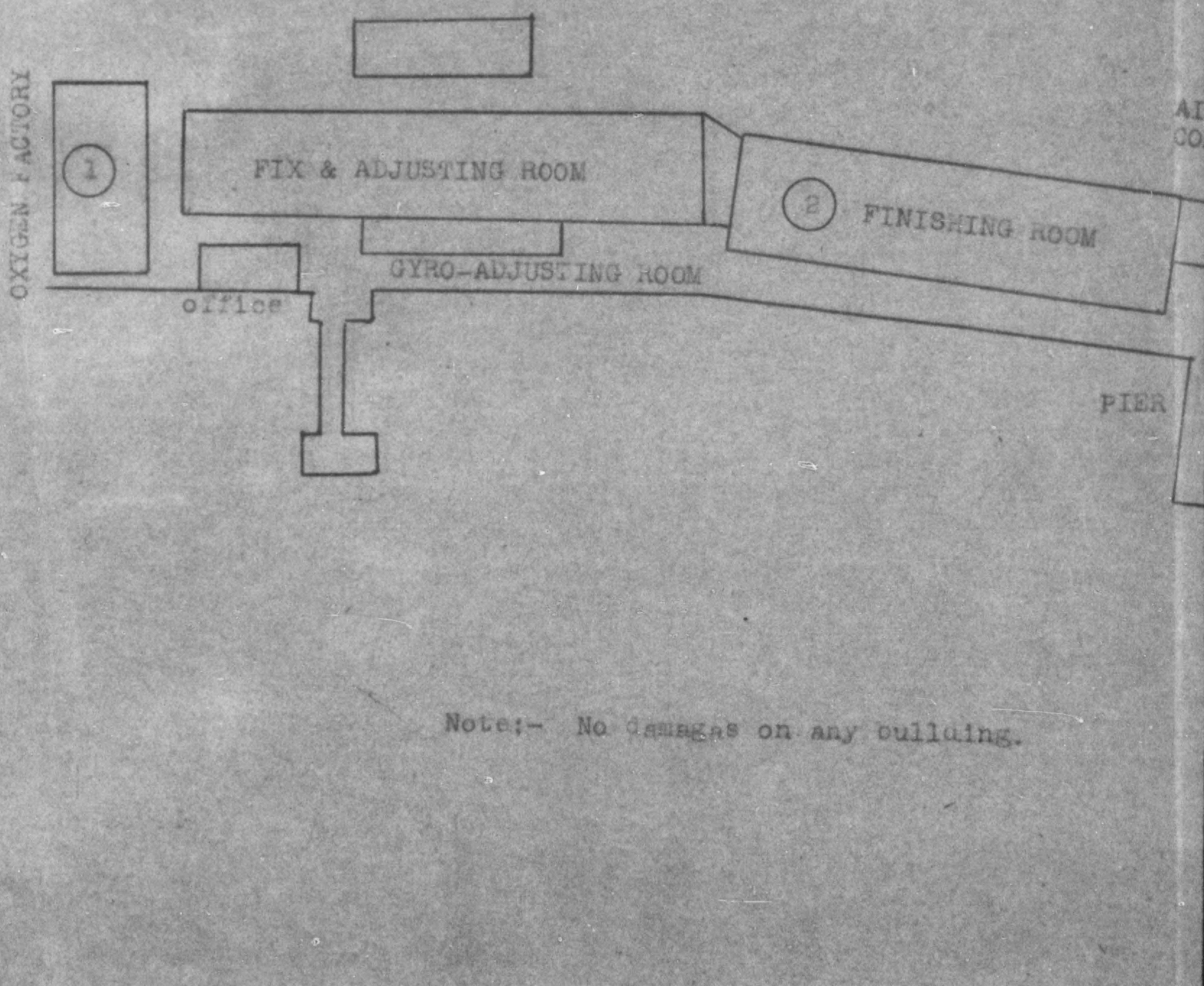
NAGASAKI WORKS

MITSUBISHI, NAGASAKI PRECISION MACHINE WORKS



Note:- No damages on any building.

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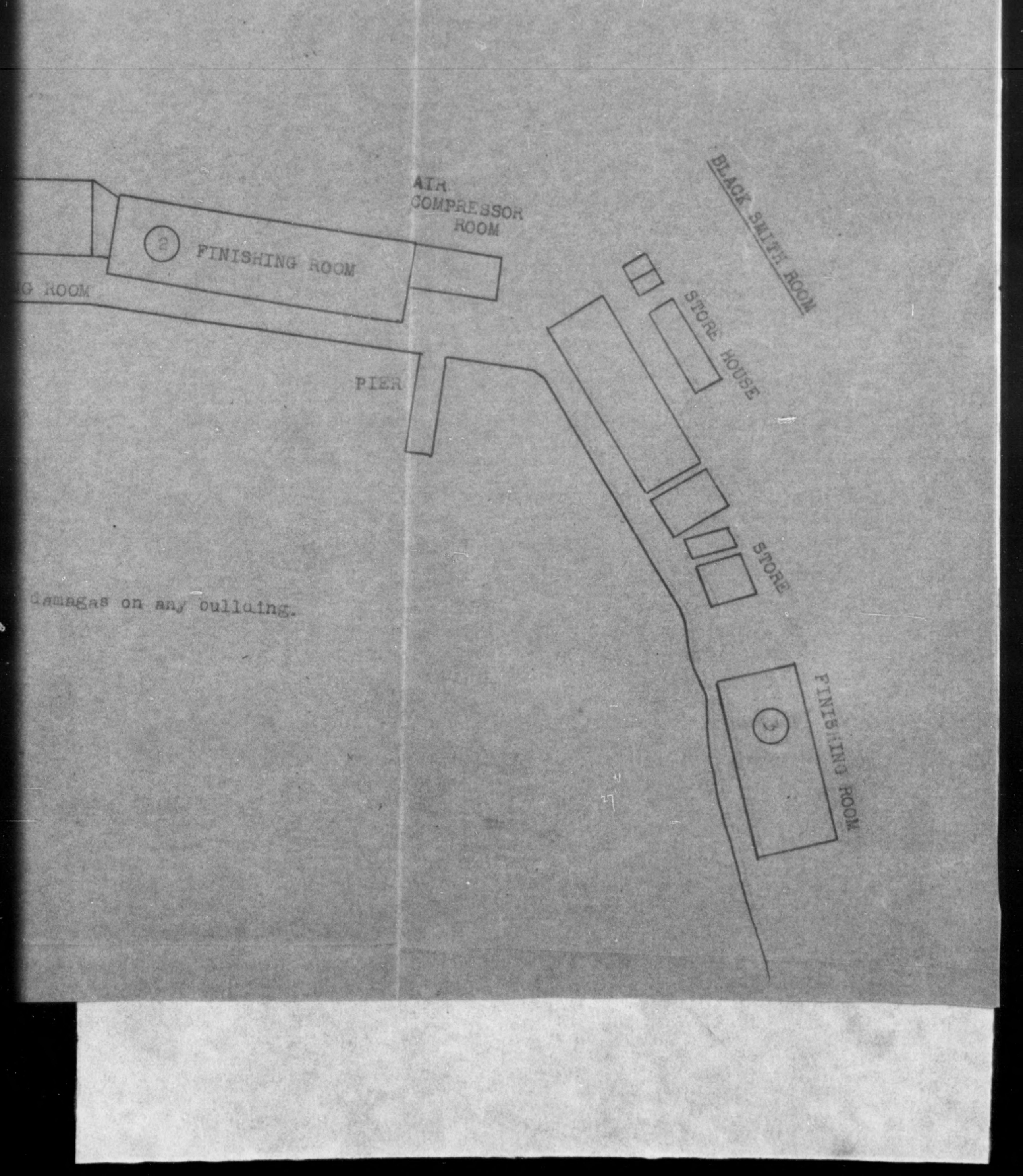
OZAKI WORKS

. NAGASAKI PRECISION MACHINE WORKS



damages on any building.

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

1. It is an historical fact that the Nagasaki Arms Works, once engaged in the production of torpedoes, had its factory completely wiped out when the atomic bomb suddenly was dropped on Nagasaki, and that thousands, of the factory personnel (including the manager and chiefs) died in that catastrophic event, putting to an end the sole purpose for which the works was founded many years ago. In view of the catastrophic event, the Head Office of the Company decided to close the plant completely, and orders to that effect reached the Works. However, this information was not acceptable to the remaining employees and workers, and even such an unheard of calamity could not stifle the urge they felt to cause the rebirth of the various works for entirely new activities.

The burning desire of the surviving band of employees and workers of the plant to rectify and contribute all they can towards the rehabilitation and development of industries in the new peaceful Japan, through the appli ation of their proven technical ability, was the sole motive inspiring them all, to which the present activities are attributable. From the beginning, the Nagasaki Precision Machine Works was characteristically different in form and subetance from other plants, and the desire of the employees and workers was and is to separate entirely and sever all associations with the Zaibatsu, and to form and entirely new concern, based on truly democratic principles. After overcoming what seemed in superable obstacles, the plant has now reached the stage of waiting for permission from the Japanese Government, after completing all the necessary formalities to become an entirely independent concern.

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2. Characteristic features of the Works.

a) By virtue of the past experience it is believed that our technical skill is unsurpassed by any other works in Japan in the ability to produce precision engineering equipment and castings, small engines as well as in the manufacture of high pressure pneumatic tools.

b) It is a well known fact that the labor union at the Works is one of the most democratic unions in existence, without any trace of strikes or labor troubles up-to-date; in addition, its efforts to co-operate with the management for the betterment of the country as a whole certainly deserve commendation as a model labor union.

3. Our aspirations.

The application of our special technique by constructive participation in the vital departments of urgently needed industry such as mining, engineering, transportation, agriculture and fishing for internal use as well as for export low-price goods of high quality to various countries in the East Asia Sphere, is inspired with the aim of contributing to the development of industry.

4. Actual production and future plans.

The stark fact that our factory at the commencement of operations was in complete chaos and destitution needs no emphasis here. Due to the necessity of having to reconstruct completely our entire production facilities to meet the new situation, we regret to say that the figures of actual production to date are not satisfactory and permit of no hope to boost, let alone plan, our future enterprise properly. Yet, with our firm conviction, and the fact that we commenced operations from virtually nothing, we feel confident that by next year, our plans as shown in the attached table, can fully be carried out, for the following reasons:

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Our Central and Prefectural Governments, as well as private concerns, recognising our capabilities and technical ability, have urgently requested us to carry out our plans immediately. Maintaining the closest relations with these organizations, and under their able guidance and leadership we are convinced that we are in a position to satisfy them, because-

a. Though agriculture and fishing are the main industries conducted in Kyushu Island, no maker can be found within that area to produce the necessary small type engines for agricultural and fishery activities.

b. Very few factories in Japan now can satisfy the requisite precision requirements for Diesel Engine Fuel Injection and Supplying System.

c. To date, the entire Kyushu coal owners are using electric driven tools, which it has been found is one of the causes of mine disasters, so that, in order to reduce the hazard and boost production, it was recently decided that they install all pneumatic tools. We are in the most satisfactory position, moreover, we were urgently requested to meet their demands, because there is a great scarcity of such manufacturers throughout Japan and, none but ourselves exist in the Kyushu district. Hence in this line of activity, our position is assured.

Remarks:

Having regard to the work mentioned in the foregoing pages, our activities serve simultaneously to relieve the tragic effects of the atomic bombing on our surviving employees, workers and their families, and to meet urgent demands throughout the country. If our activities are permitted to be enlarged, it is our intention to employ the maximum number of people to ease the critical unemployement problem in Nagasaki district.

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ACTUAL PRODUCT

	1st Business term Jan/46 - Sept/47	2nd Business term Oct/47 - Mar/48
For Mining	Coal Pick - - - - - - (¥150,000 / month)	Coal Pick Jack Hammer Air Auger Parts of 280 type Drifter - - - (¥1,000,000 / month)
For Transportation	Fuel distributing pump Turbo-generator of locomotive head light Main parts of air brake A action valve Electric compressor etc. Parts of passenger & freight cars Auxiliary water pump Valves for Diesel engines etc. L.C.V.P. injector tip, etc. Transportation (¥1,500,000 / month)	" " " " " " " " (¥2,000,000 / month)
For Industries	Several kinds of weighing machines - Pressure gauges - - Oxygen (¥5,000,000 / month)	" - " - - " (¥5,500,000 / month)
For Agriculture	Agricultural implements - - (¥500,000 / month)	- # 3 HP internal combustion engine. - (¥60,000 / month)
For Fishery	-	# 8 HP. Diesel engine (¥200,000 / month)
For Provisions, etc.	Provisions (processed foods) (¥150,000 / month)	" (¥300,000 / month)

NOTE: # Now under application

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

ACTUAL PRODUCTION AND FUTURE PLAN

Nagasaki Precision Mach

...ness term - Mar/48	3rd Business term Apr/48 - Sept/48	Location of buyers	Supervi...
...er ...CO type	Coal Pick Jack Hammer Air Auger	Kyushu & All over Country	Ministry o... Industry ...
...000 / month)	# Air Turbo Volute pump # Air Hoist # Air Turbo-propeller fan (¥3,000,000 / month)		Associatio... Mining com... Kyushu Ar...
...000 / month)	(¥3,000,000 / month)	Kyushu & All over country Nagasaki District	Mainistry ... ation. Moji Gove... Bureau. General M...
...000 / month)	Precise weighing machines # Flow meter # Parts of textile mach. (¥5,500,000 / month)	Kyushu All over country Export. Nagasaki District	Ministry ... Insust...
...ernal ...ion engine. ...000 / month)	# 5 HP. Internal combustion engine. (¥1,000,000 / month)	Kyushu all over country, Export.	Ministry ... & Forest
...esel engine ...000 / month)	(¥800,000 / month)	Kyushu All over country, Export	-
...000 / month)	(¥300,000 / month)	Kyushu	Prefectu... of Nag...

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FUTURE PLAN

Nagasaki Precision Machine Works.

...siness term ...2 - Oct/48	Location of buyers	Supervising Government Office
...k ...ser ...r	Kyushu & All over Country	Ministry of Commerce & Industry Board of mining
...o Volute ...% ...propeller ...000 / month)		Association of Coal Mining companies in Kyushu Area.
... ...000 / month)	Kyushu & All over country Nagasaki District	Mainistry of Transport-ation. Moji Government Railway Bureau. General Maritime Bureau
... ...weighing ...ns ... ...er ...textile mach. ... ...,000 / month)	Kyushu All over country Export. Nagasaki District	Ministry of Commerce & Inesustry
... ...ternal ...tion engine. ...,000 / month)	Kyushu all over country, Export.	Ministry of Agrieulture & Forestry.
... ...00 / month)	Kyushu All over country, Export	- do -
... ...00 / month)	Kyushu	Prefectural Government of Nagasaki

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

1. Location.

No. 1 Plant, Chashi Factory:	20 Chashi-machi, Nagasaki City, Nagasaki-ken.
No. 2 Plant, Morisachi Factory:	40 Morisachi, Nagasaki City, Nagasaki-ken.
No. 3 Plant, Dozaki Factory:	2963 Hasegawa, Okago, Nagyo-mura, Minamisonogi-gun, Nagasaki-ken.
No. 4 Plant, Sumiyoshi Factory: (Closed factory operation)	Toholugo, Nagasaki City, Nagasaki-ken.

1. Responsible persons.

General Manager, Yoshiro Fukuda.

Vice-manager, Kiyoshi Nawai.

1. Number of Employees.

Just before the termination of the war, figures of employees were as follows;

Staff.....	1963
Workers.....	9786
School boys and girls...	4080
Total	15229

The Works was utterly destroyed by the atomic bomb of August 9th, 1945 and caused about 8,000 employees including the manager to either lose their lives or being injured, and some 650 survivers (including 500 workers and 150 staff) made up their mind to reestablish a manufactory out of the debris and since then, employees were gradually increased and at present, number of employees are as follows:

1. Number of Staff (at present 31st October 1947)

	Male	Female	Total
Clerical Works	97	12	109
Technical Works.	84	0	84
Total	181	12	193

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1. Number of Workers (at present 31st October 1947).

	Male	Female	Total
Skilled Workers	696	3	899
Unskilled Workers	307	243	550
Total	1,203	246	1,449

1. Number of Machines.

Total number of machines are 2,468; machines inventoried are as follows:-

1st Class	173
2nd "	518
3rd "	898
Total	1,589

Classifications of Inventoried Machines regarding 1st, 2nd and 3rd Class are as the attached table:

Classification of Inventoried Machines regarding 1st, 2nd & 3rd Class Machines.

MACHINE TOOL

Nagasaki Precision Machine Works.

Discription			1st Cl.	2nd Cl.	3rd Cl.	Total	Grand Total	Total of 1st & 2nd Class	Remark
LATHE	General purpose	Bench Type		26	41	67	523	198	
		Engine - Small type		79	141	220			
		" Med "		90	133	223			
		" Large "		3	10	13			
LATHE	Special purpose	Turret		56	92	148	169	67	
		Automatic or Multi-tools		2	7	9			
		Relieving or Precision threading		9	3	12			
BORING MACHINE		All Type		12	19	31	31	12	
PLANING MACHINE				0	1	1	1	0	
SHAPING MACHINE			1	15	31	47	73	29	
SLOTTING MACHINE			2	11	13	26			
MILLING MACHINE		Plain		9	15	24	140	43	
		Vertical		9	20	29			
		Universal		23	54	77			
		Others		2	8	10			Thread Miller, Profile Miller.
BROACHING MACHINE				1	2	3	3	1	
				8	13	21	21	8	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77501/3

	Universal		23	54	77			
	Others		2	8	10			Thread Miller, Profile Miller.
BROACHING MACHINE			1	2	3	3	1	
GEAR CUTTING MACHINE	All type		8	13	21	21	8	
GRINDING MACHINE	Portable		2	5	7			
	Common use		14	25	39	106	48	Cylinder Plane,
	Honing		2	0	2			Bite, Cutter, Broach.
	Tool		30	28	58			
DRILLING MACHINE	Portable		5	0	5			
	Other common	1	47	67	115	120	53	
CUTTING - OFF MACHINE	Hack saw		10	7	17	23	13	
	Abrassive		3	3	6			
TOTAL		4	468	738	1210	1210	472	

INDUSTRIAL MACHINE

Description		1st Cl.	2nd Cl.	3rd Cl.	Total	Grand Total	Total of 1st & 2nd Class	Remark
PRESS	Manual		6	0	6			
	Mechanical		8	4	12	21	16	
	Hydraulic		2	1	3			
PLATE & WIRE WORKING MACHINE	Bending Machine		1	1	2	8	1	
	Shearing "		3	0	3	3	3	
	Wire Straightening Machine		0	1	1	1	0	
HAMMER	Air		8	5	13			
	Drop		3	1	4	18	11	
	Upsetter		0	1	1			
WELDER	Electric (arc)	3	0	9	12	15	3	
	" (resister)		0	3	3			

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

19th December 1946.

FROM: Nagasaki Precision Machine Works,
Mitsubishi Heavy-Industries Co., Ltd.
No.200 Ohashimachi Nagasaki City.

TO: Commanding Officer,
Nagasaki Military Government Team.

SUBJECT: Application for Exemption of Designation for Reparations Removal.

Dear Sir,

We feel very unfortunate to learn that our Works had been placed to the Custody Concern by the directive of Supreme Commander of Allied Powers dated on 15th Nov. 1946.

In connection with the above, we wish to submit to you our application for exemption of Designation for Reparations Removal and we beg to appeal to you a few points explaining to you our application and earnestly wish your hearty support and respectful consideration.

1. On 9th August 1945, just before the termination of the War, our factory suffered immense damage by the Atomic Bomb, as the pictures enclosed, illustrate causing about 8,000 employees including the Manager to either lose their lives or being injured.

2. Our factory was under the Mitsubishi Heavy-Industries Co., Ltd. before the bomb but since the extent of the damage was so great our Head Office, feeling that the recovery of the factory would be imposble, our factory had been ordered to be closed.

3. In spite of the decision of the Head Office of the company to close the factory, about 600 of us surviving employees who were determined to establish a new factory independent of the original Mitsubishi, organized a new factory under the name Nagasaki Precision Machine Works at the ruined place by our own effort. We were granted the authorized permission of conversion to peacetime industries by the authorities of the Allied Forces and the progress of production to present date is as shown in the attached table.

4. Main products in October of 1946 are as follows.
A. Meters, Weighing-machine. (The business is transacted with Controling Accociations)

B. Turbo-generator for Locomotive Head-light, Air Brake and other Car Parts. (To supply the needs of the Railway-transportation Ministry)

INCL 1

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C. Coal-mine Machineries, Oxygen, Milling, Marine-transportation etc.
The monthly production capacity is illustrated in the attached paper.

5. We have strived hard and made our best efforts. The public opinions of Nagasaki district are aspiring to the continuance of our factory as we are in a close connection with the rehabilitation of this district.

As a consequence, we humbly beg your special consideration to this appeal in view of the circumstances related above, and for your sympathetic approval of exemption of the Installations from Reparations Removal, so that the factory may afford employment for so many earnest workers, giving hope to the inhabitants of the Nagasaki region for the future, and contribute whatever is possible to a revival and rehabilitation of this area.

Respectfully submitted by:-

Y. Fukuda

Y. FUKUDA
General Manager
Nagasaki Precision Machine Works.

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APPLICATION FOR EXCEMPTION OF DESIGNATION FOR REPARATIONS REMOVAL

Nagasaki Precision Machine Works,

Mitsubishi Heavy-Industries Co., Ltd.

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Application for Exemption of Designation for Reparations Removal.

(A) Name of the Company:

Mitsubishi Heavy-Industries Co., Ltd.

(B) Name of the Works:

Nagasaki Precision Machine Works
(former: Nagasaki Arms Works)

(C) Location of the Company and Works.

Location of the Company: No.4 2 chome, Marunouchi, Kojimachi-ku Tokyo.

Location of the Works:

Ohashi Works (No.1 Plant) No.200 Ohashimachi, Nagasaki City.

Morimachi Works (No.2 Plant) No.40 Morimachi, Nagasaki City.

Dozaki Works (No.3 Plant) No.2963 Kasegawa, Okago, Nagayomura, Nishisonogigun, Nagasaki Prefecture.

Removed Works:
- Sumiyoshi Works (No.4 Plant) No.150 Sumiyoshi, Tohokugo, Nagasaki City.
- Motohara Works (No.5 Plant) No.100 2 chome, Motoharamachi, Nagasaki City.
- Shisho Works (No.6 Plant) Aburagidani-machi, Nagasaki City.

(D) Date of Foundation of the Co.pany and Commencement of the Works.

(a) Date of the foundation of the Company: July, 1884.

(b) Date of Commencement of the operation of the Works:

Morimachi Works:	(Ruined by Atomic Bomb on 9th Aug. 1945)	March,1917.
Dozaki Works:		March,1917.
Ohashi Works:	(")	May, 1942.
Removed Works: Sumiyoshi Works:		Feb. 1945.
Motohara Works:	(Ruined by Atomic Bomb on 9th Aug. 1945)	June, 1945.
Shisho Works:	(Ruined by Atomic Bomb on 9th Aug. 1945)	June, 1945.

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(E) History of the Works

March, 1917 Operated as a branch Works of Shipbuilding Section of the Mitsubishi Limited Partnership (the predecessor of the Nagasaki Shipyard and Engine Works of Mitsubishi Heavy-Industries Co., Ltd.) at No.40 Morimachi Nagasaki City, and since then, the Works engaged in manufacturing various kinds of torpedoes, and in the year 1917 parts of the Works removed to No.200 Obashimachi Nagasaki City and at Dozaki Works exermined their discharge best.

In August 1945, just before the termination of the War, nearly all of the factory buildings were destroyed and over 8,000 employees, including the factory manager, either lost their lives or were injured, and being thought that the Works would be impossible to recover again and hereby, the Nagasaki Arms Works of the Mitsubishi Heavy-Industries Co., Ltd. has been closed.

However the remainder of 650 employees, confronting with the hard situation of which needed speedy rehabilitation of devastated Nagasaki City and to relieve those unhappy citizens and in view of urgent importance of reconstruction of peacetime industries, resisting against the strong will of company, desiring of establishment of a new democratic factory system in one united body, the employees have made their best efforts to repair the factory shops through day and night and upon receiving the authorized permission of conversion to peacetime industries from the authorities of Occupational Forces dated on 23rd Jan. 1946, we began to manufacture Household Utensils as a temporary products with all our energies and we met with great appreciation of all citizens, and we renamed the Works as the Nagasaki Precision Machine Works in April this year.

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Following this, in July of this year being granted the Official Permission of manufacture of Weighing Machines from the Ministry of Commerce and Industry of Japanese Government, as a only existing manufacturing factory in the west part of Japan, the factory is producing 10 Kg. Automatic Counter Scale 2,000 per month, 33% of the total products of Japan at present and those Scales are expected to be exporting goods in a great anticipation from the Government, and by appointment of the Ministry of Transportation the factory has received many orders of Turbo-generator of Locomotive Head-light, Air Brake and Parts of Railway Cars etc., and besides these, the factory commenced the works of repairing of Coal-mine Rock Drill, Oxygen for Industrial use, and Agricultural Implements, Milling, and Marine Transportation by owned small ships, and increasing the production as well as picking up by and by those former employees who were to be relieved and the numbers of employees being increased to 1,500 at the end of October, the total amount of production being gradually increased and it has reached to Yen 3,000,000. as per monthly productive capacity.

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(F) Name and Number of Products from 1934 (Showa 9) to 1936 (Showa 11) in each year is as follows :-

Year	Name of Products	Number
1934 (Showa 9)	Torpedoes for Aerial, Submarine and Vessels	750
1935 (Showa 10)	" "	800
1936 (Showa 11)	" "	850

(G) Name and Number of Products from 1937 (Showa 12) to 1945 (Showa 20) in each year is as follows :-

Year	Name of Products	Number
1937 (Showa 12)	Torpedo for Aerial, Submarine and Vessels	790
1938 (Showa 13)	" "	840
1939 (Showa 14)	" "	900
1940 (Showa 15)	" "	910
1941 (Showa 16)	" "	1,200
1942 (Showa 17)	" "	1,800
1943 (Showa 18)	" "	1,976
1944 (Showa 19)	" "	3,010
1945 (Showa 20)	" "	1,441

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(H) Items and Number of Products after the termination of the War.

(a) Number of Monthly Production of each Item since the Permission granted for Civilian Production is as shown in attached table No. (1).

(b) Aim of the future Production.

This factory have to take in about 2,200 persons of those employees who scattered on account of the close of the factory, and must secure and support the living of about 10,000 persons including their families. At present it has just reached to take in the 1,450 of them, and moreover it is necessary to take in about 750 persons. Therefore the aim of the production hereafter is as follows:-n

(The Items of following articles are permitted by the authorities of Allied Powers)

Description	Items	Monthly Production	Production Amount Per Month
Weighing-Machine	10 Kg. Automatic Counter Scale	3,000	
	5 Kg. Automatic Counter Scale	3,000	
	100 Kg. Ordinary Platform Scale	100	¥5,580,000.00
	100 Kg. Automatic Counter Scale	100	
	Salt Scale	4,000	
	Hand Sling Scale	2,000	
	Pole Sling Scale	10,000	
Meters	Ordinary Pressure Gauge	4,000	¥ 880,000.00
	Special Ring type Current Meter	10	

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Description	Items	Monthly Production	Production Amount Per Month
	Turbo-generator for Locomotive Head-light	10	
	Electric Air Compressor DH (16)	20	
	" DH (25)	10	
	" AK (3)	10	
Parts of Railway Car.	A Action Valve	50	¥1,965,000.00
	Rotation Valve Seat	50	
	Brake Cylinder	90	
	Air Piston	90	
	Piston Ring for Air Brake	4,500	
	Others	1,050	
Machineries of Ship	Auxiliary Water Pump	20	¥ 100,000.00
	Others	-	
Coal-mine machineries	Coal Pick	100	¥ 121,000.00
	Others	-	
Kitchen Utensils etc.			¥ 60,000.00
Oxygen		7,300 bottles	¥ 281,000.00

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Description	Items	Monthly Production	Produtcn Amot Per Mth
Industrial Business	Passanger Transportation	-	
	Cargo "	-	
	Processed Food	-	¥516,0000
	Iron Works	-	
	Timber Works	-	

Remarks. Refer the attached illustrated graphs No.1, No.2, No.3, No.4.

Article	End of October 1946 (At Present)	Future (After July 1947)
Employee	Staff 142 Worker 1,295 Total 1,437	Staff 200 Worker 1,970 Total 2,170
Machine Tool	381	698
Industrial Machineries	30	38
Installation	37	55
Electric Machine (Not included the Independent Motors)	54	110
Vessels (Small Steamers, Motor-boat, Auxiliary Sailing Ship, Sailing Lighter)	9	15
Oxygen Producing Machines	Air Compressor 3 Oxygen Compressor 3 Accessory Pump 7	Air Compressor 3 Oxygen Compressor 3 Accessory Pump 7
Buildings	238,000. sq. ft.	280,000. sq. ft.

(I) Summary of Machine Installation.

(a) Number of Machine Installation and Area of Buildings before the Termination of the War.
But it is unable to classify them to each building for each Item of production.

Description	Figures before being destroyed by the Atomic Bomb	Figures after being destroyed by the Atomic Bomb		
		Classification	Number	
Machine Tool	1,943	A	109	A Class .... Complete
		B	648	
		C	732	
		D	454	
Industrial Machine	64	A	14	B Class .... Incomplete
		B	23	
		C	21	
		D	6	
Installation	129	A	17	C Class .... Incomplete
		B	22	
		C	72	
		D	18	
Electric Machine (Not included the ~~Motors~~ Independent)	156	A	114	D Class ...., Burnt Destroyed
		B	25	
		C	13	
		D	4	
Oxygen Producing Machines	Air Compressor 3 Oxygen Compressor 3 Accessory Pump 7	A	13	
		B	-	
		C	-	
		D	-	
Vessels	(Small Steamer, (Motor-boat, Auxiliary) 15 (Sailing Ship, Sailing) (Lighter.	A	9	
		B	3	
		C	3	
		D	-	
Buildings	1,210,000 sq. ft.	50,196 sq. ft. (Dozaki Works only)		

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