SHOWA FERTILIZER CO., LTD.

90.17 - 137

KAWASAKI

FACTORY MANUFACTURED AMMONIUM SULFATE (FERTILIZER), AMMONIUM NITRATE, O_2, HNO_3, ~~H_2SO_4~~

A. F/A

1. Reported use $(NH_4)_2SO_4$
   actual "

2. Bombasin - as reported. correct

BLDG. NO.		FUNCTION		%	REMARKS
JTG.	OTHER	R	A	CORRECT	
1 a		NH_3 synthesis	NH_3 synthesis	100%	ground information
b		COMPRESSORS & synthesis	compressors & air liquifaction	100% (S)	" "
c		air liquifaction & N_2 separation	N_2 sep. compressor	100% (S)	" "
2.		N_2 GAS HOLDER	N_2 GAS HOLDER	100%	— —
3.		H_2 " "	H_2 " "	100%	— —
4		NH_3 BOTTLING (~~GAS~~ & LIQUID	RECOVERY PLANT FOR USED LUB. OIL.	0 %	— —
5.		BOILER HOUSE	WAREHOUSE	0 %	— —
6		OFFICES	OFFICES	100%	— —
7.		STORAGE	WAREHOUSE	100%	— —
8.		DISTILLED H_2O MANUFACTURE	DISTILLED H_2O MANUFACTURE	100%	— —
9. a.		$(NH_4)_2SO_4$ STORAGE	$(NH_4)_2SO_4$ STORAGE	100%	— —
b.		$(NH_4)_2SO_4$ DRYING	$(NH_4)_2SO_4$ DRYING	100%	
c		$(NH_4)_2SO_4$ MANUFACTURE	$(NH_4)_2SO_4$ MANUFACTURE	100%	
d.		FAN ROOM	BLOWER ROOM	100%	
10. a		PUMP ~~HOUSE~~ ROOM	ACID PUMP ~~HOUSE~~ ROOM	100%	— —
b		TOWERS (ACID)	TOWERS (ACID)	100%	
c		"	"	100%	
d		"	"	100%	
e		pyrites storage	pyrites storage	100%	
f		U/I			

BLDG. NO. J.T.O.	other	FUNCTION reported	actual.	% correct	REMARKS.
g					ground information
h.					
j		pyrites roasting	pyrites roasting	100%	
k.		~~GLOVER TOWER~~	GLOVER TOWER	~~0%~~ u/,	
l.		u/,	" "	~~0%~~ u/,	
m.		u/,	" "	~~0%~~ u/,	
n.		u/,	PUMP ROOM	~~0%~~ u/,	
o.		u/,	" "	~~0%~~ u/,	
p.		u/,	TOWER (GAY/LUSSACS).	u/,	
q.		lead chambers	lead chambers	100%	
r.		" "	" "	100%	
s.		" "	" "	100%	
t		leadworkshop.	OFFICE	0%	
11	#	H_2SO_4 tank	H_2SO_4 tank	100%	
12.		O_2 HOLDER	O_2 HOLDER	100%	
13		Electrolysis Building	Electrolysis building	100%	
14.		D.C. rectifyers	D.C. rectifyers	100%	
15		TRANSFORMER YARD	TRANSFORMER YARD	100%	
16.		H_2SO_4 tanks	H_2SO_4 tanks	100%	
17		" "	" "	100%	
18		" "	" "	100%	
19.		" "	" "	100%	

BUILDING NO.		Function		%	Remarks.
JTG.	other	reported	actual	correct	
20.		pile earth, or pyrites.	?	—	
21.		u/1			P.1; evaluated grnd info, etc.
22.		u/1			
23.		u/1			
24.		u/1			
25 a.		contact H_2SO_4 u/1		IDENTIFICATION 100%	
b.		~~Nitric~~ u/1	pyrites storage		
c.		Acid u/1	" "		
d.		Plant u/1			
e.		u/1	pyrites roasting		
26		u/1	BOILER HOUSE	u/1	
27		u/1	CATALYSER BLD. ~~Ammonia~~ Synthesis (#2)	u/1	
28		~~Am~~ NH_3 synthesis	AMMONIA synthesis	100%	
29		u/1	WATER RESERVOIR PUMP HOUSE ~~Warehouse~~	u/1	
30		u/1	METHANOL TANK	u/1	
31		u/1	STOREHOUSE	u/1	
32		u/1	SODA RECOVERY	u/1	
33		u/1	CO_2 WASH-WATER RECOVERY	u/1	
34		u/1	CO_2 SCRUBBING TOWER	u/1	
35		u/1	CATALYZER MANUFACTURE	u/1	

BUILDING No.		FUNCTION		% CORRECT.	REMARKS.
JIG.	OTHER	REPORTED	ACTUAL		
36.		GAS HOLDER	NITROGEN GAS HOLDER.		
37.		GAS CONVERSION & CO_2 ABSORBTION.	GAS CONVERTER	100%	
38.		U/I	H_2S ABSORBTION (S REMOVAL)	U/I	
39.		U/I	BLOWER ROOM.	U/I	
40.		BOILER HOUSE	BOILER HOUSE	100%	
41.		PROB. WATER-GAS PLANT.	(?) gas ? not plant.	0%	Bldg empty of equip at time of visit - hut
42.		U/I	GAS GENERATOR	U/I	
43		U/I	O_2 COMPRESSOR & BOTTLING	U/I	
44		GAS-HOLDER (WATER-GAS)	GAS HOLDER WATER-GAS	100%	
45		"	O_2	0%	
46		"	O_2	0%	
47		(prob.) coke yard	COKE YARD	100%	
48		U/I	WATER-GAS GENERATOR	U/I	
49.		STEAM ~~PLANT~~ & WATER-GAS PLANT.	"	~~50%~~ 100%	
50		SULFUR REMOVAL TOWERS	SULFUR REMOVAL TANKS	100%	
51		GAS CONVERSION & CO_2 ABSORBTION	GAS CONVERTER	100%	
52		H GAS HOLDERS	CONVERTER GAS	0%	
53		" " "	WATER GAS	0%	
54		" " "	OXYGEN	0%	

NUMBER J.T.G.	OTHER	FUNCTION REPORTED	FUNCTION ACTUAL	% CORRECT	REMARKS
55		U/1	STOREHOUSE	U/1	
56		U/1	REPAIR SHOP	U/1	
57		U/1	STOREHOUSE	U/1	
58		U/1	STOREHOUSE	U/1	
59		U/1	STOREHOUSE	U/1	
60		U/1	LOCOMOTIVE SHOP	U/1	
61		U/1	~~COO~~ WATER RESERVOIR & PUMP HOUSE	U/1	
62		U/1	LABORATORY	U/1	
63		U/1	HNO_3 CONCENTRATION	U/1	
64		U/1	HNO_3 ABSORBING TOWER	U/1	
65		U/1	NH_3 OXYDATION PLANT	U/1	
66		U/1	HNO_3 STORAGE & BOTTLING	U/1	
67		U/1	OFFICE (HNO_3 DEPT.)	U/1	
68		U/1	AMMONIA OXYDATION	U/1	
69		U/1	"	U/1	
70		U/1	" AND HNO_3 CONCENTRATION	U/1	
71		U/1	HNO_3 ABSORBING & CONCENTRATING TOWERS	U/1	
72		U/1	PUMP HOUSE	U/1	
73		U/1	WATER PURIFYING PLANT STOREHOUSE & REPAIR SHED	U/1	
74		U/1	NH_4NO_3 MANUFACTURE	U/1	
75		U/1	WATER PUMP ROOM.	U/1	

NO. BUILDING J.T.G.	OTHER	FUNCTION REPORTED	FUNCTION ACTUAL	% CORRECT	REMARKS.
76		U/I	STOREHOUSE	U/I	
77		U/I	TRANSFORMER YARD	U/I	
78		U/I	(NH₄ GAIN) BLOWER ROOM $(NH_4)_2SO_4$ liquor tank	U/I	(2 BUILDINGS) ~~Buildings [illegible]~~ should ~~not have been separated~~
79 a.		~~U/I~~ CONNECTED WITH	CENTRIFUGAL SEPARATORS	~~U/I~~ ?	
b.		~~U/I~~ $(NH_4)_2SO_4$	SATURATION ROOM	~~U/I~~ ?	
c.		~~U/I~~ MANUFACTURE	$(NH_4)_2SO_4$ DRYER ROOM	~~U/I~~ ?	
d.		U/I	CONVEYOR	U/I	
e		LOADING CONVEYOR	LOADING CONVEYORS	100%	
f		$(NH_4)_2SO_4$ STORAGE	$(NH_4)_2SO_4$ STORAGE	100%	
g.		LOADING CONVEYOR	LOADING CONVEYORS	100%	
h.		U/I	SHED	U/I	

113 BUILDING AND IMPORTANT SUB-UNITS

113 / -34 / 9

113 / 31 / 25)72 / 70 / 40

CORRECT: 41/113 ~~36%~~ 40%

INCORRECT ~~8%~~ 8%

U/I 41%

SIMILAR CATEGORY 11%

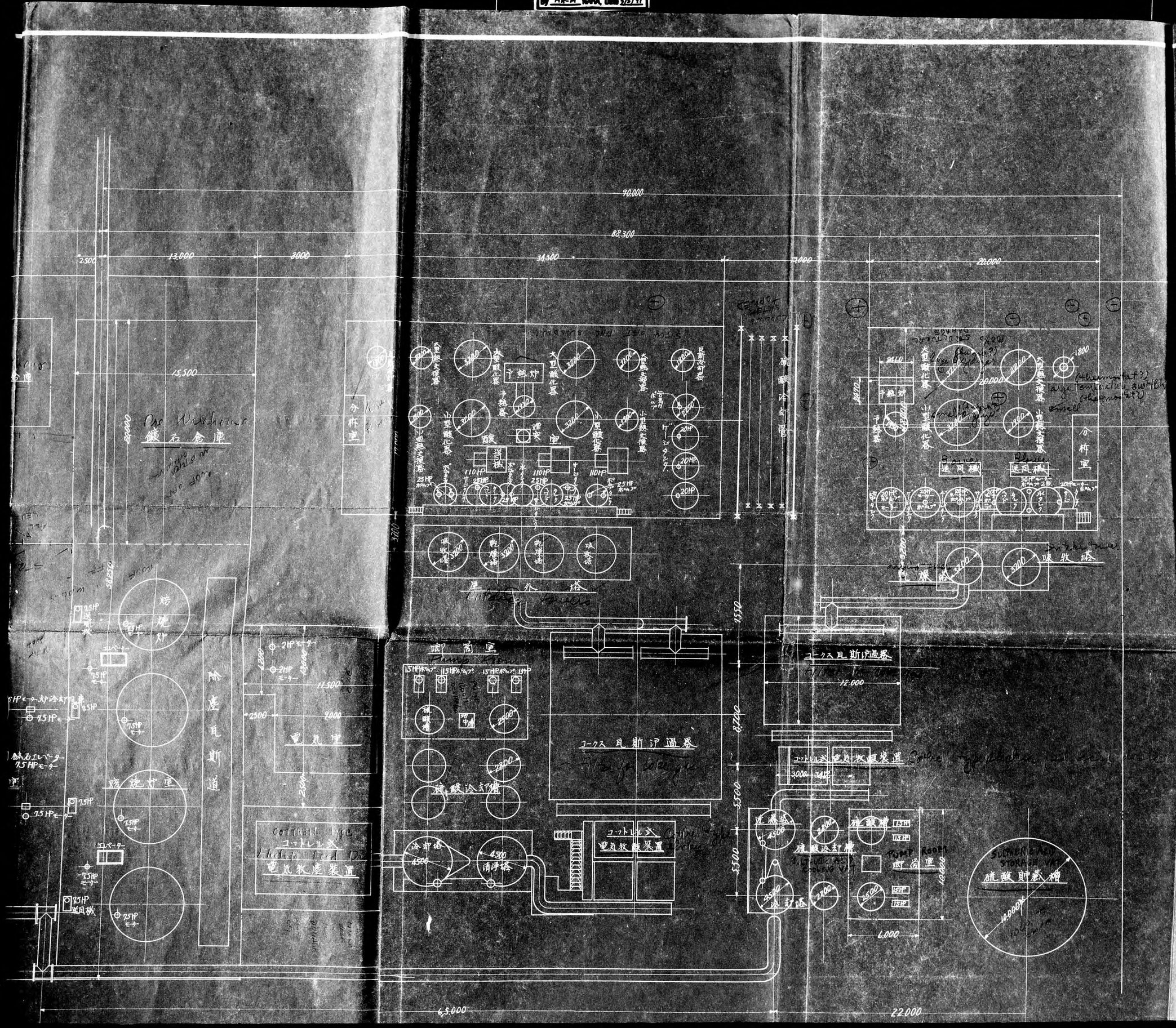
a) 31% of individual bldgs identified by earlier ground information

b) Balance identified by P.I. work and by other evaluated information

c) Difficulties in identification with chemical plants - inherent in ~~[illegible]~~ all plants of this type, tanks, towers, etc

90,000
88,300
34,300
20,000
13,000
15,500
Office
現場事務所
Ore Warehouse
鑛石倉庫
焙焼炉
焙焼炉室
除塵瓦斯道
除塵室
電気室
コットレル式
電気救塵装置
唧筒室
Pump Room
コークス瓦斯濾過器
Filter for coke gas
硫酸冷却槽
分析室
予熱炉
送風機
Blower
PUMP ROOM
SULPHURIC ACID STORAGE VAT
硫酸貯蔵槽

By HR-M NARA Date 3/8/91

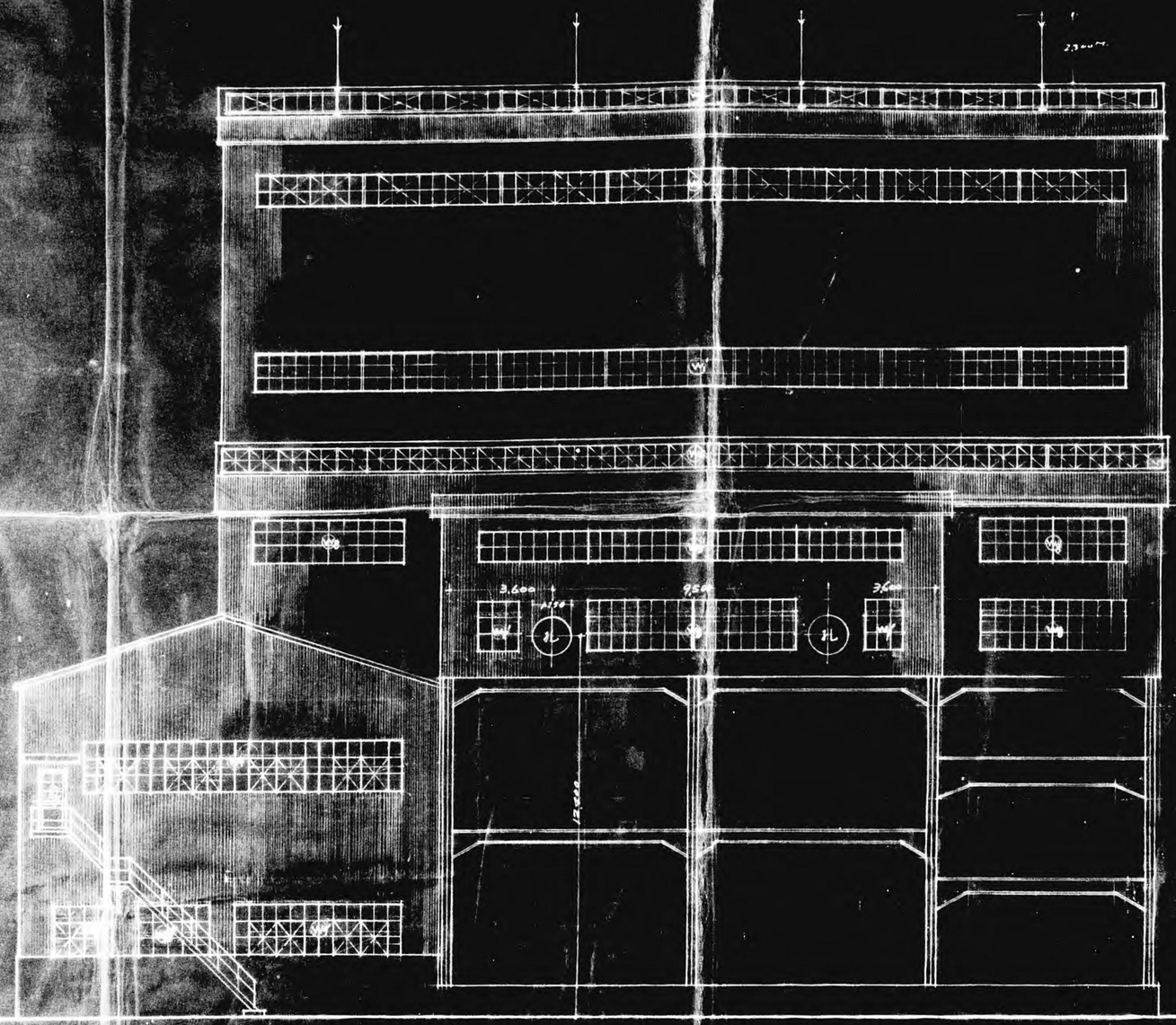


工場名 Plant name	第二硫酸工場 #2 Sulphuric Acid Plant
名称 Name	第二硫酸工場配置圖 Layout #2 Sulphuric Acid Plant
縮尺	
図番号	
昭和13年7月17日	
調査	校
設計	
製図	校
製図個数	分図示
品名	材質 個数 摘要

現場事務所
現場倉庫
鉱石倉庫
15,500
焙焼炉
除塵室
焙焼炉室
除塵瓦斯道
電気室
11,500
COTTRELL type
コットレル式
電気救塵装置
分析室
予熱炉
吸収塔
ポンプ室
Pump Room
硫酸冷却槽
コークス瓦斯濾過器
Filter for coke gas
12,000
冷却塔
清浄塔
SULPHURIC ACID COOLING VAT
PUMP ROOM
SULPHURIC ACID STORAGE VAT
硫酸貯蔵槽
65,000
22,000

Ore Warehouse
鑛石倉庫
焙焼炉
焙焼炉室
除塵瓦斯道
電気室
COTTRELL TYPE
コットレル式
電気散塵装置
冷却塔
清浄塔
喞筒室
Pump Room
硫酸冷却槽
コークス瓦斯濾過器
Filter for coke gas
コットレル式
電気散塵装置
酸室
予熱炉
分析室
冷却塔
硫酸冷却槽
SULPHURIC ACID COOLING VAT
喞筒室
PUMP ROOM
SULPHURIC ACID STORAGE VAT
硫酸貯蔵槽
Cottrell type electric
65,000
22,000
15,500
11,500
12,000
6,000
昭和15年4月17日
調査
設計
製圖
枚數
記個數
分ノ示
記号
名称
材質
個数
摘要
昭和肥料株式會社
SHOWA Fertilizer Co.
川崎工場
Kawasaki Plant

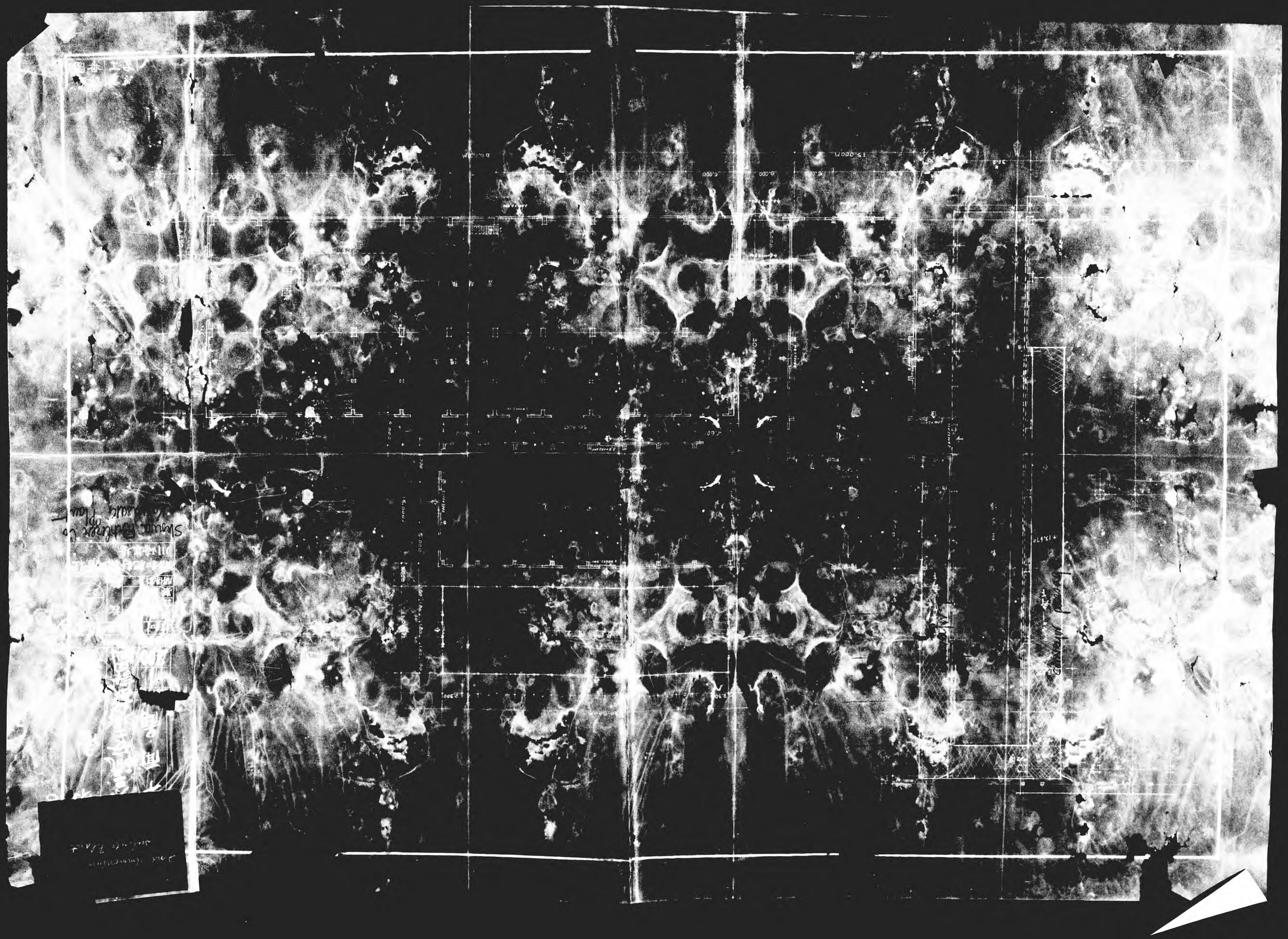
Water-gas Plant
Gas Producer

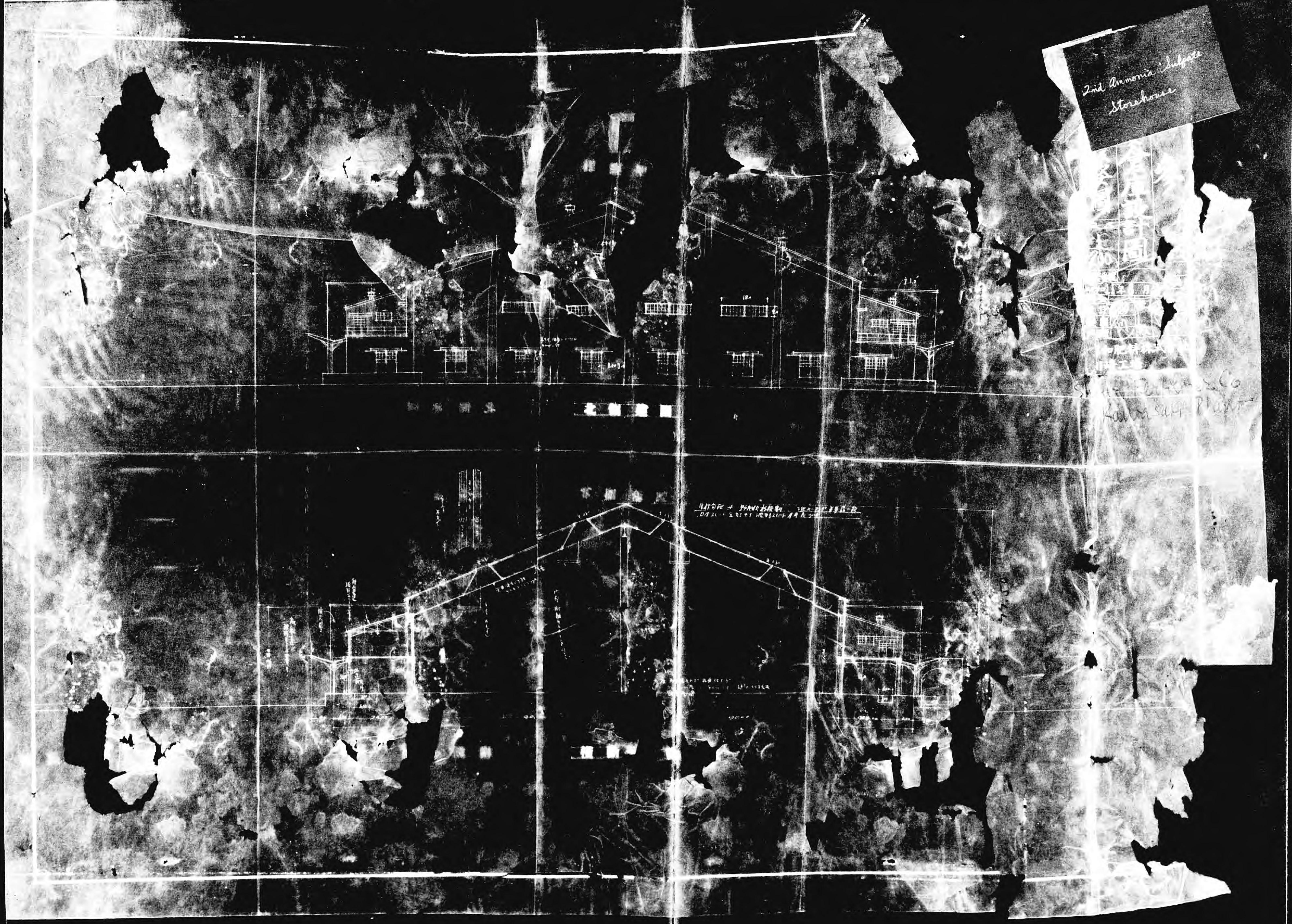


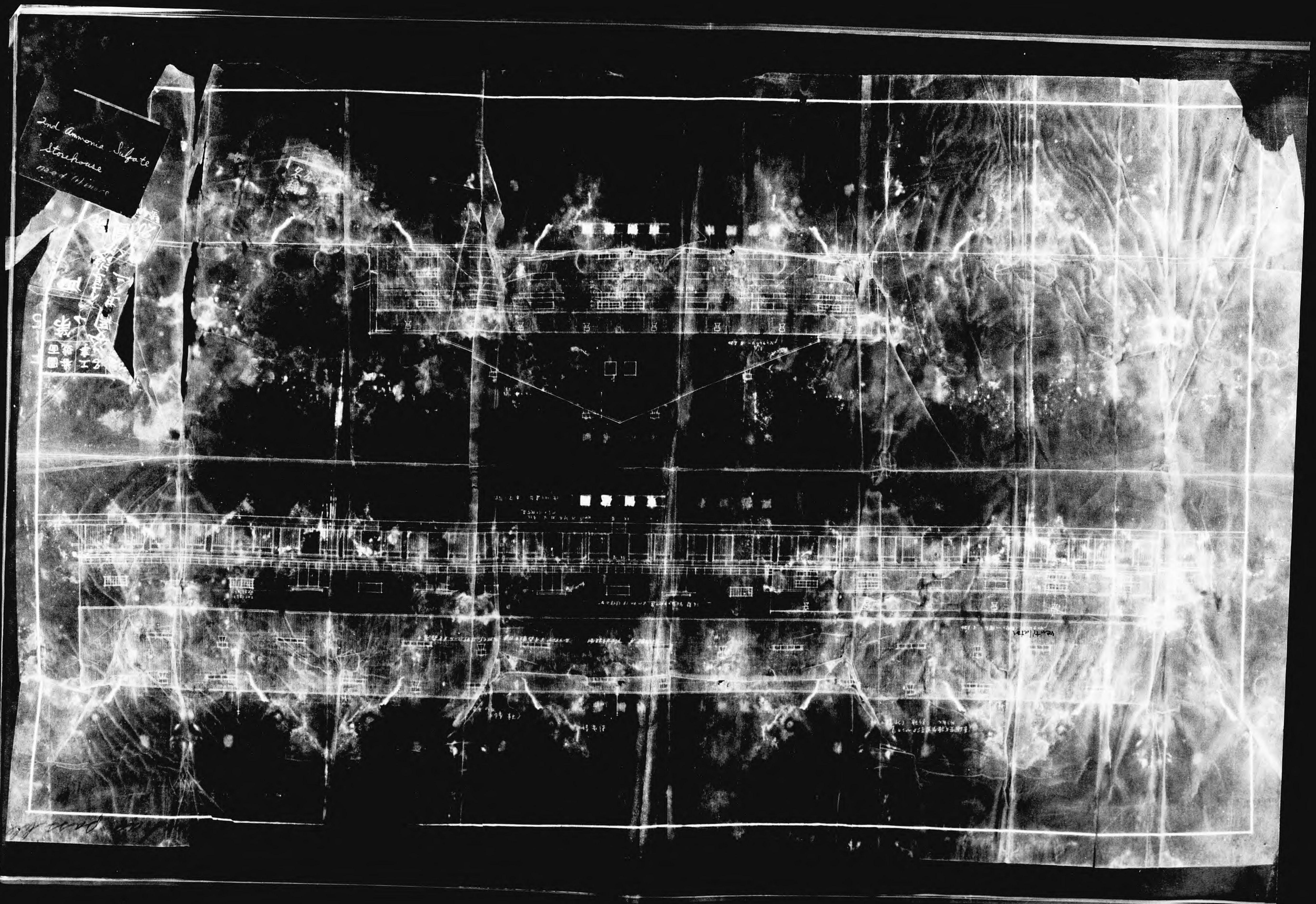
SHOWA FERTILIZER Co
KAWASAKI PLANT

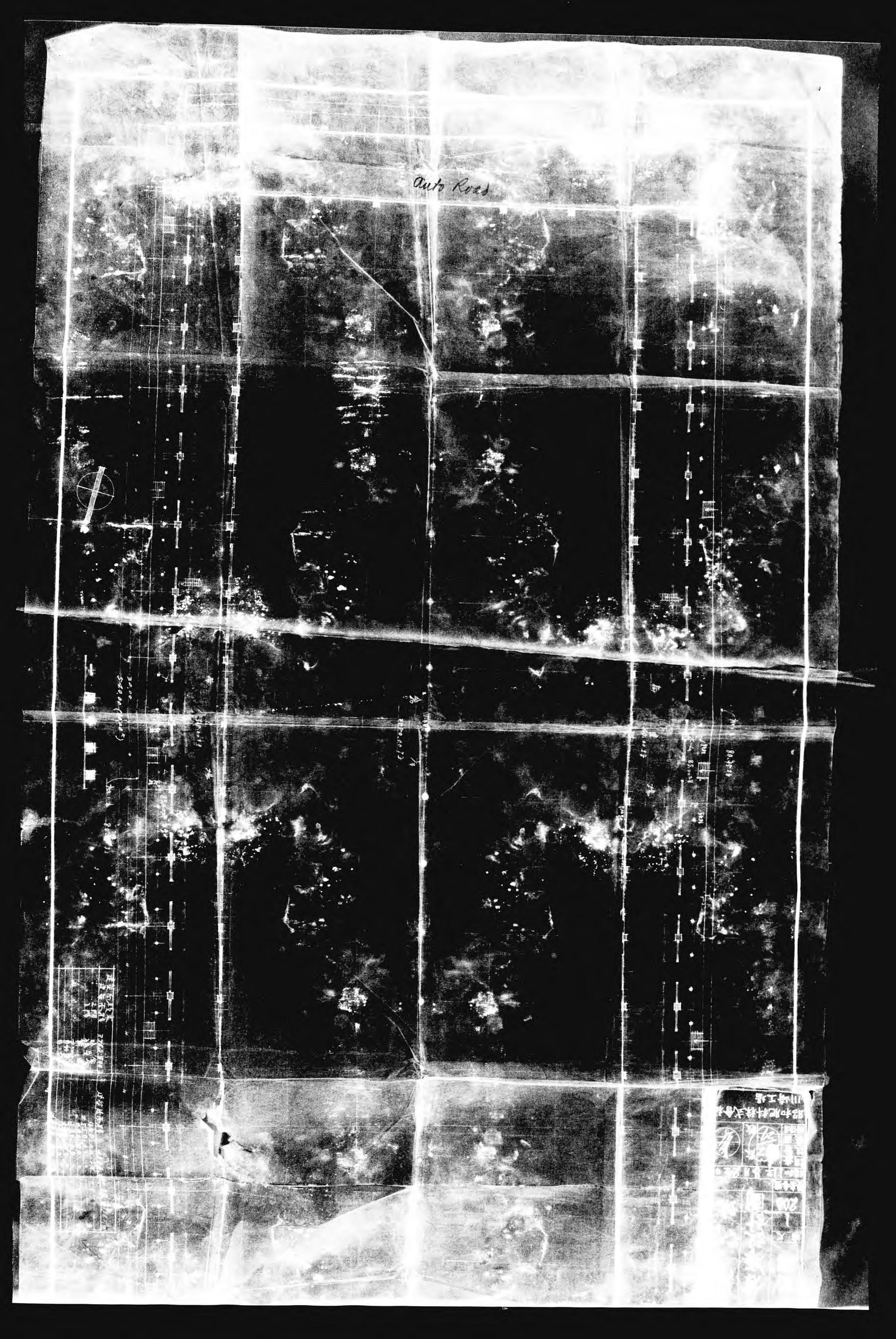
WATER GAS PRODUCER

北

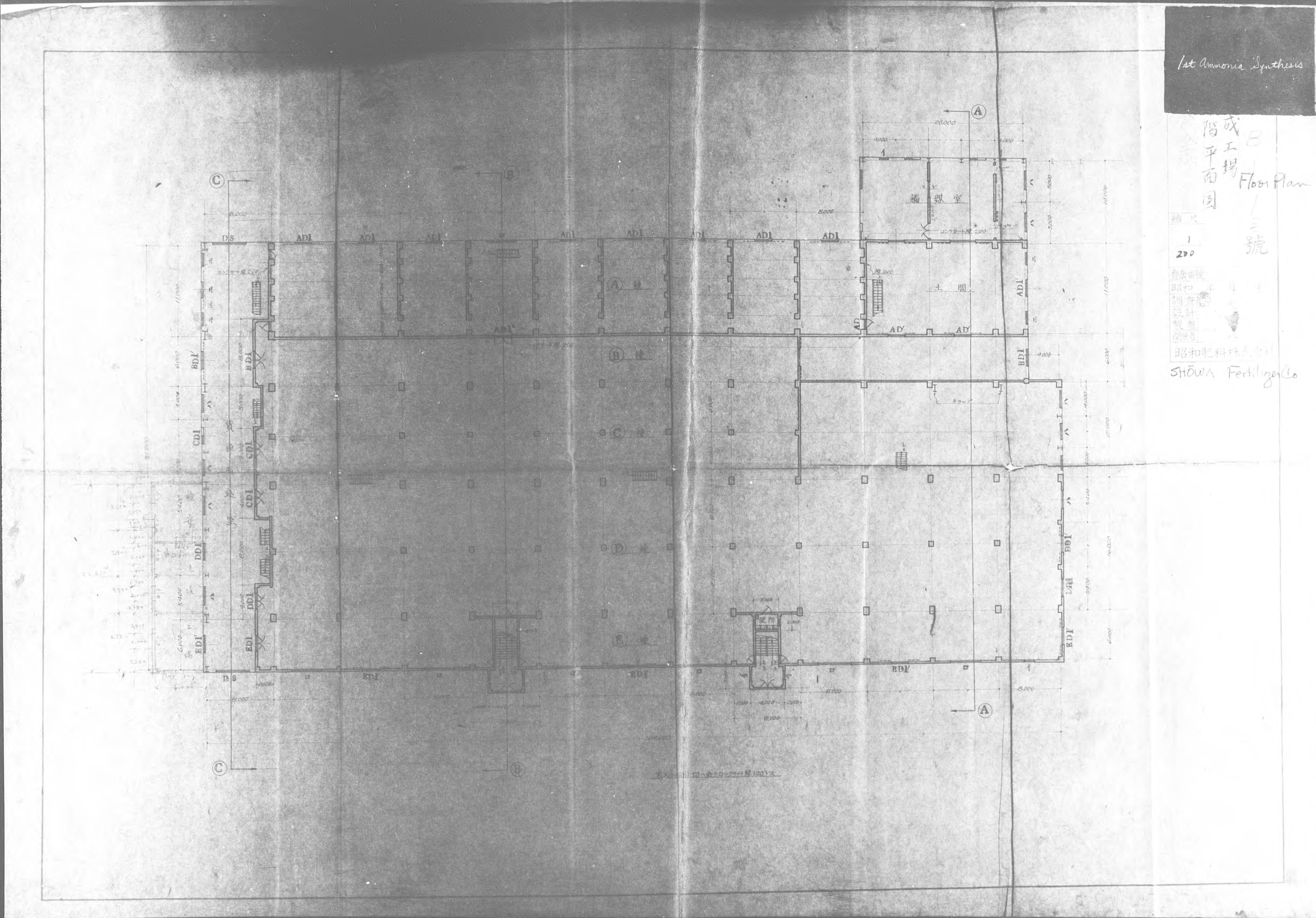



2nd Ammonia Sulfate
Storehouse


2nd Ammonia Sulfate
Storehouse


Auto Road

PLEASE HANDLE CAREFULLY
2nd Ammonium Sulfate Plant
Layout, ammonium sulphate plant
28 NOV 36
昭和肥料株式會社
川崎工場
SHŌWA
Co., KAWA
Plant
北側建図
南側建図
西側建図

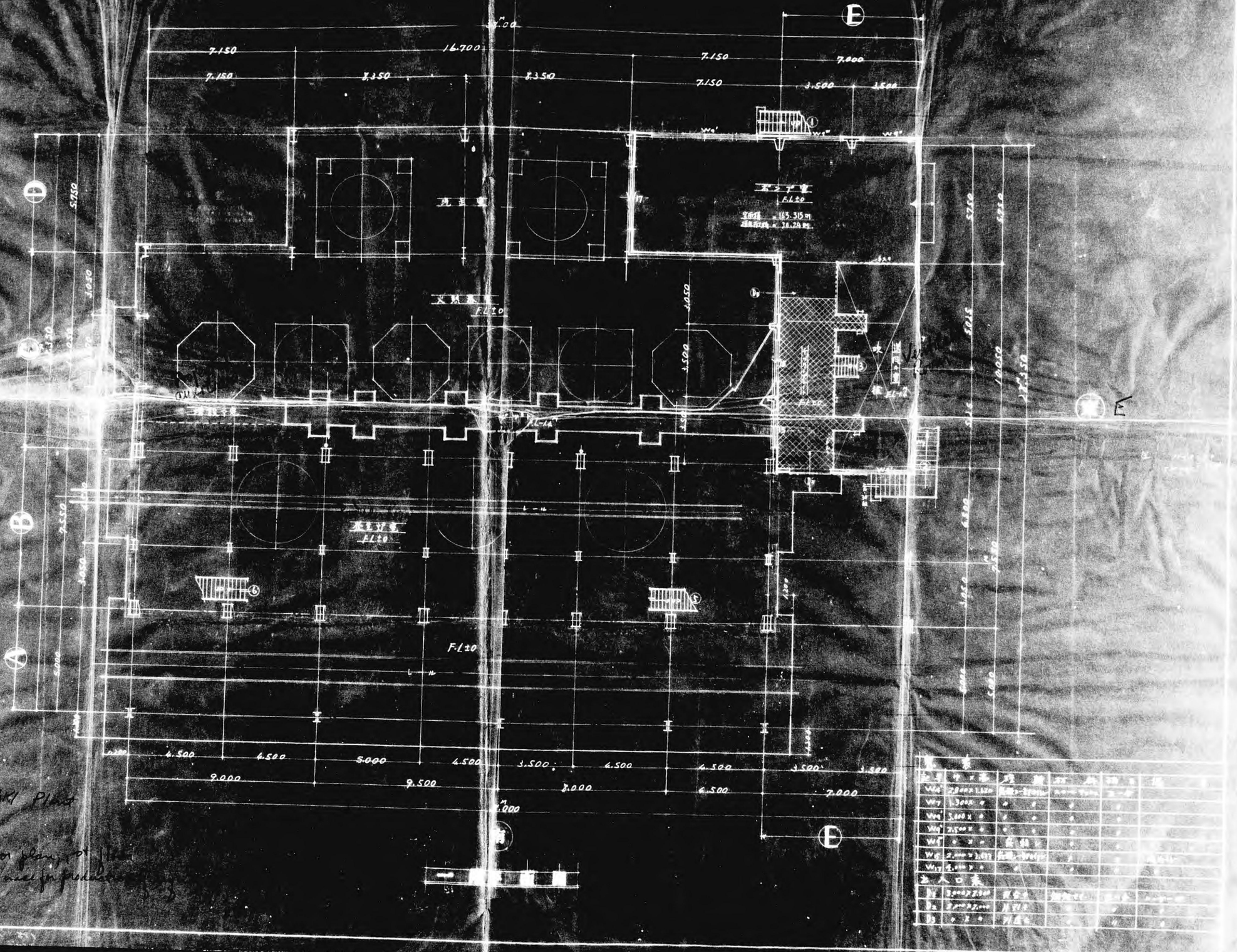


1st Ammonia Synthesis
成工場
階平面図
Floor Plan
縮尺
1/200
昭和肥料株式会社
SHŌWA Fertilizer Co.
觸媒室
土間
コンクリート厚 200
A 棟
B 棟
C 棟
D 棟
E 棟
便所
DS
AD1
BD1
CD1
DD1
EDI
20,000
8,000

2nd Ammonia Sulfate
Storehouse
Ammonia Sulphate
Warehouse
縮尺
1/200
昭和肥料株式會社
川崎工場

Water-gas Plant

Gas Producer



SHOWA Fertilizer, KAWASAKI Plant

Floor plan of the Furnace for producer

Revised: 27 May 36

[redacted]

B 1/2 ②

成工場
面図

共ノ二

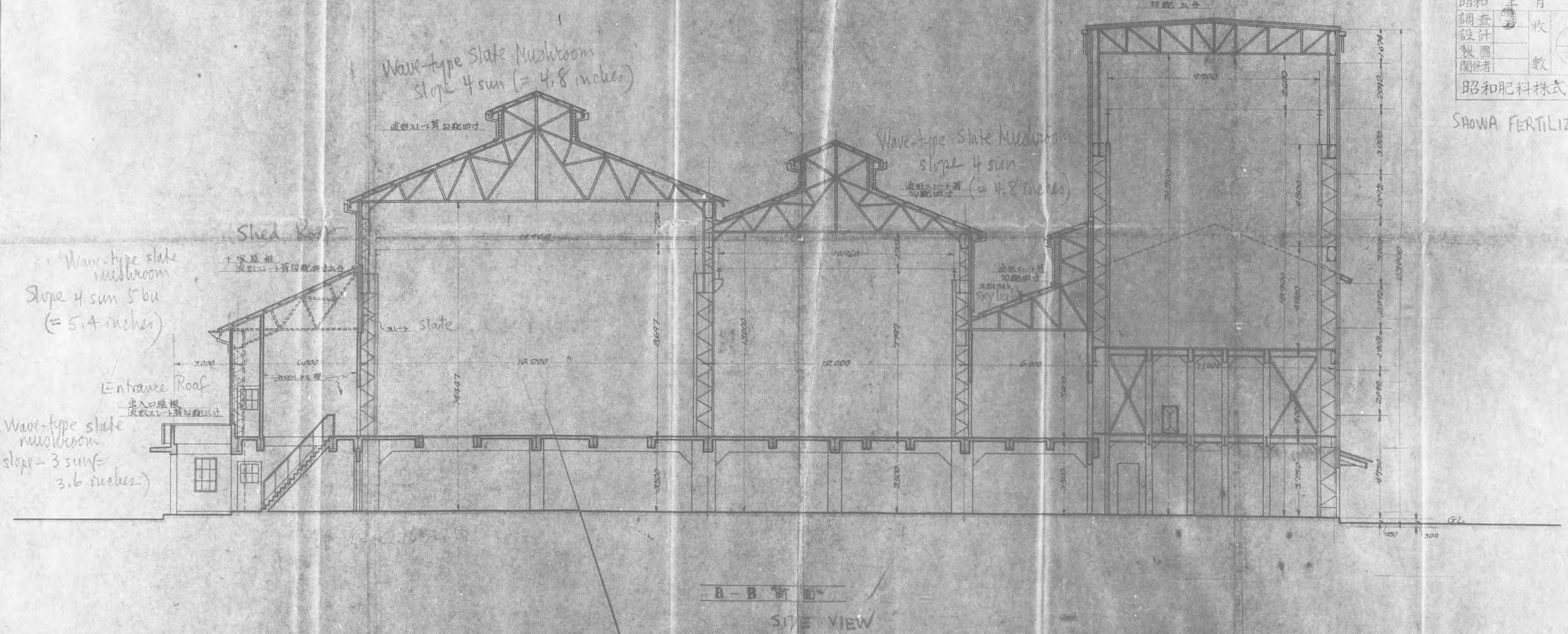
縮尺 1/100

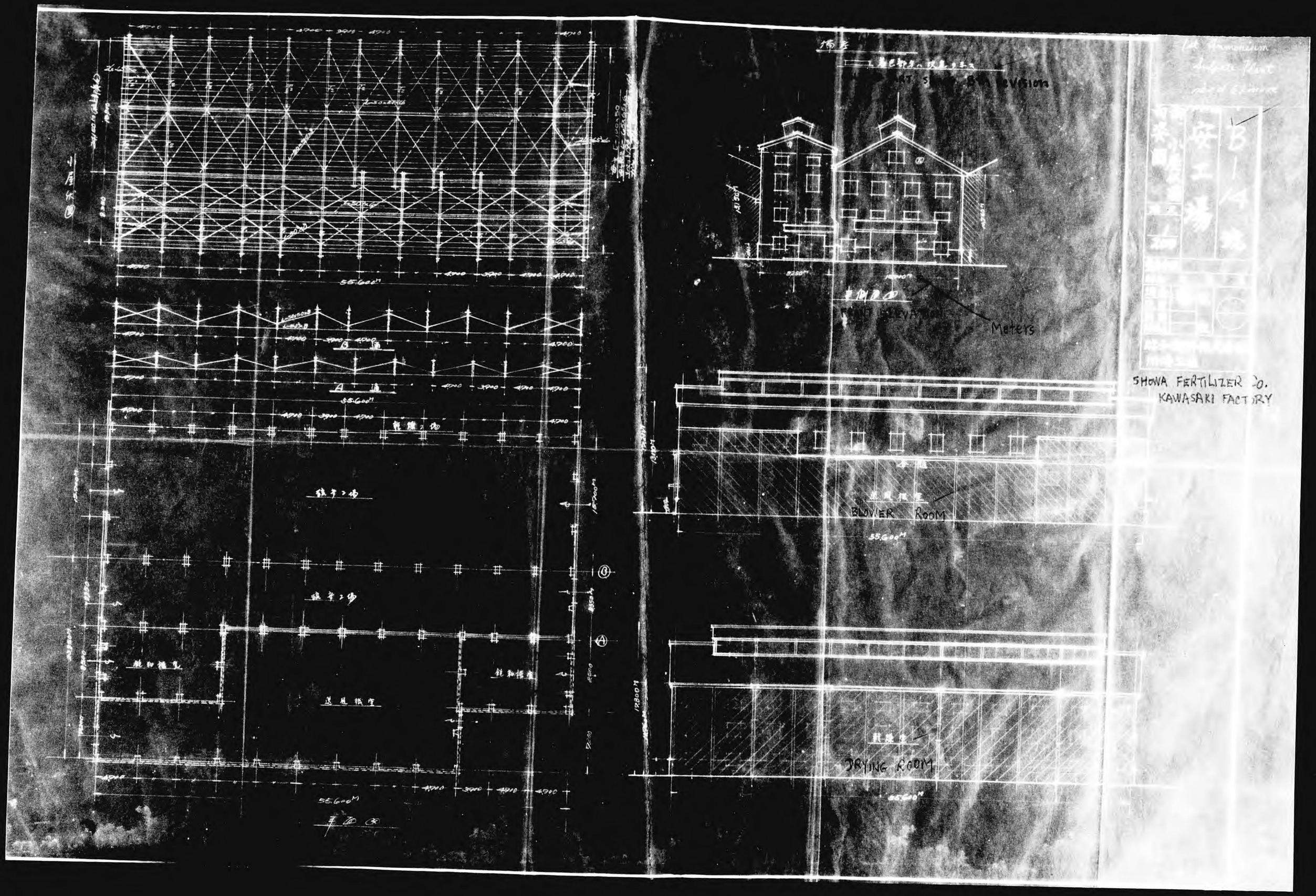
疊套番號

昭和	年	月	日
調査		枚	
設計			
製図		数	
関係者			

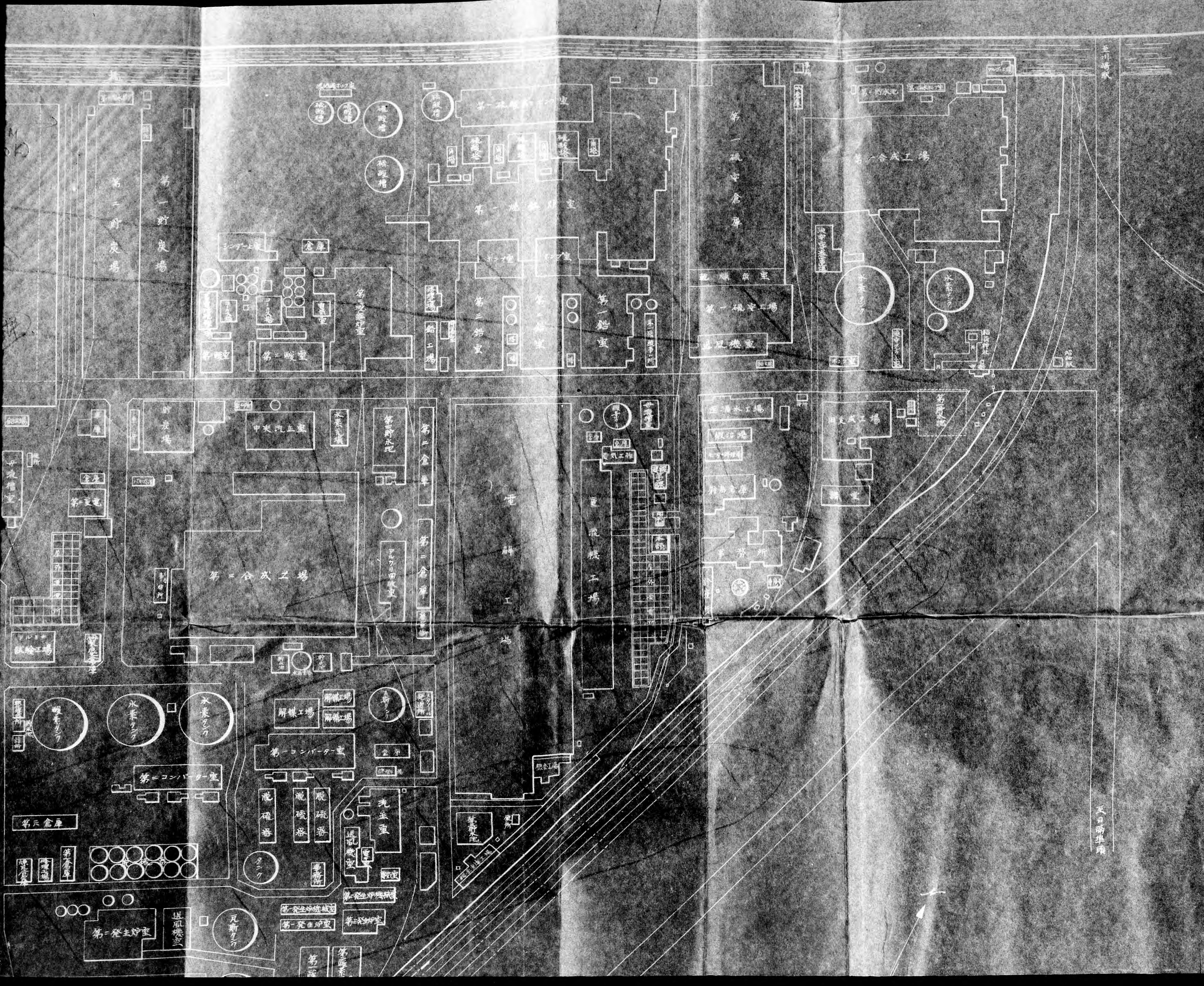
昭和肥料株式會社

SHOWA FERTILIZER Co.




Meters
SHOWA FERTILIZER CO.
KAWASAKI FACTORY
BLOWER ROOM
DRYING ROOM

By HR-M NARA, Date 3/5/91



圖面番號	名稱	工場
第　號	工場配置圖	

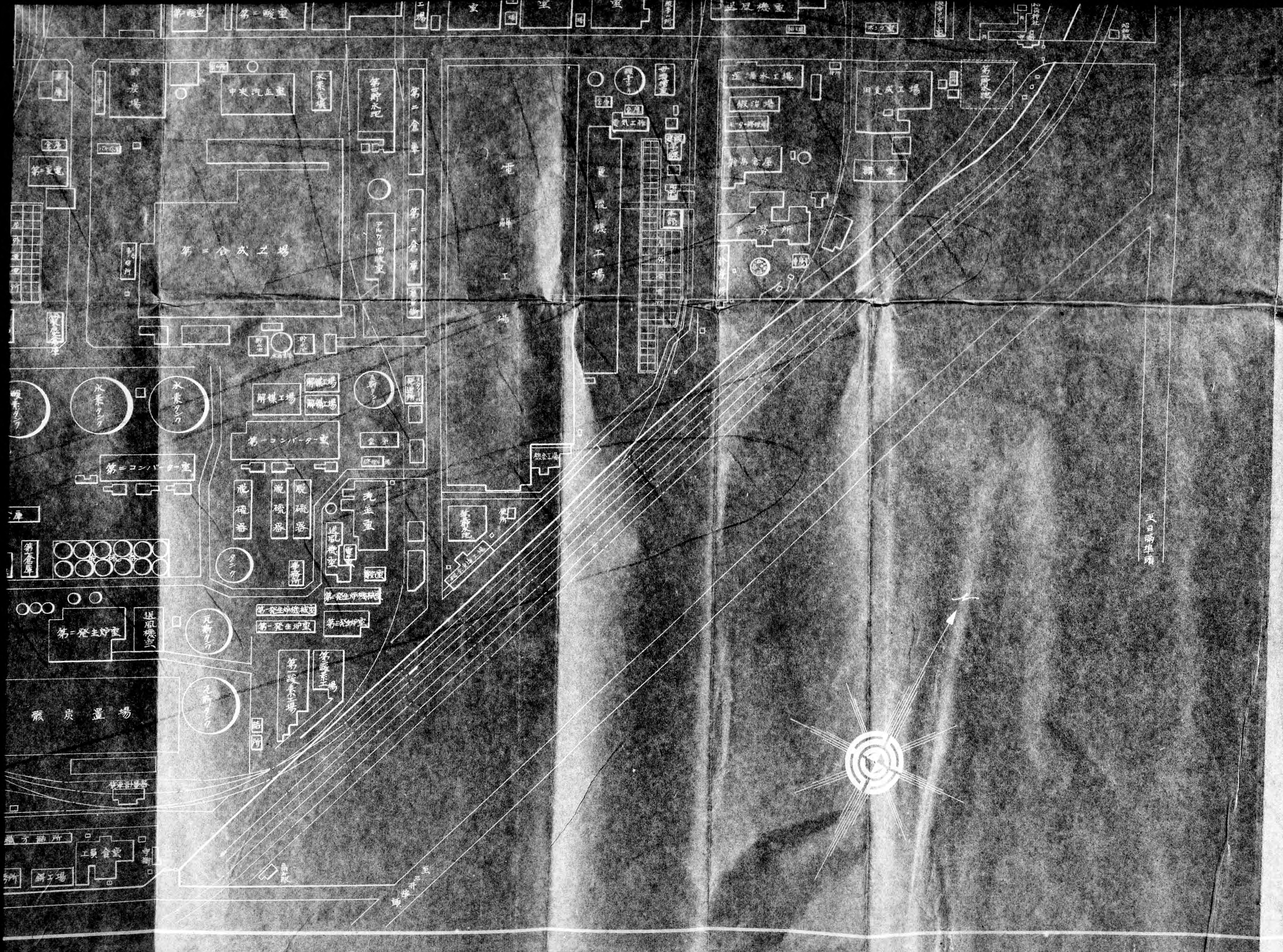
縮尺 1/1200

昭和電工川崎工場

昭和20年4月12日

記号	名稱	材質	個數	摘要

第二合成工場
中央汽罐室
試験工場
水素タンク
水素タンク
第二コンバーター室
第一コンバーター室
解媒工場
第三倉庫
第二発生炉室
瓦斯タンク
瓦斯タンク
骸炭置場
試験室
試法室
吸収室
第一倉庫
第二倉庫



登録番号			
昭和電工川崎工場			
昭和 20 年 4 月 12 日			
調査		枚数	
設計			
製圖			
表記個數ハ		分ヲ示ス	

記号	名稱	材質	個數	摘要

2nd Ammonia Sulfate
Storehouse
昭和肥料株式會社
川崎工場

Water Electrolysis

-01

圖面番號	第 C-12 號
工事名稱	電解工場設計圖

平面圖

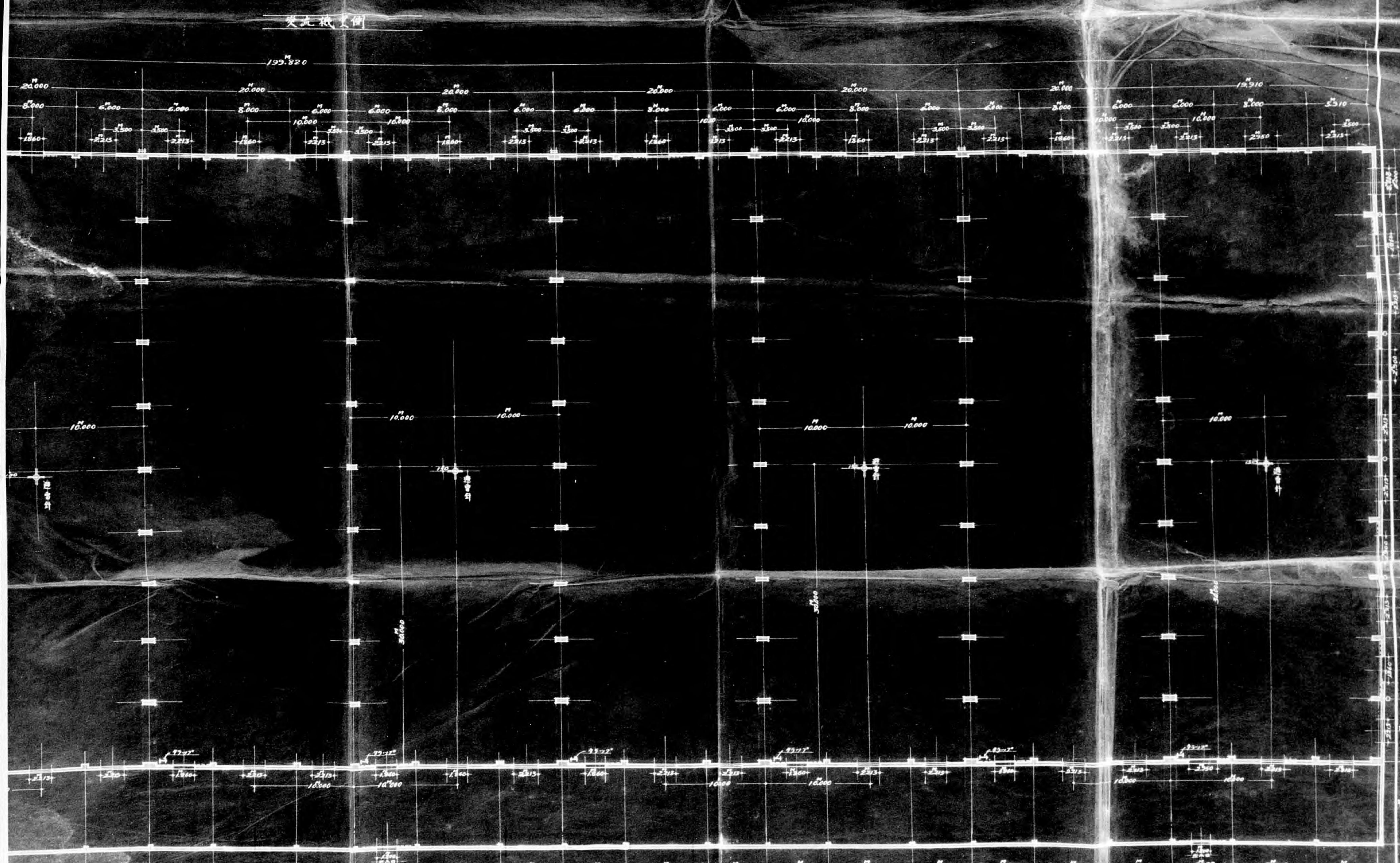
縮尺 1/200

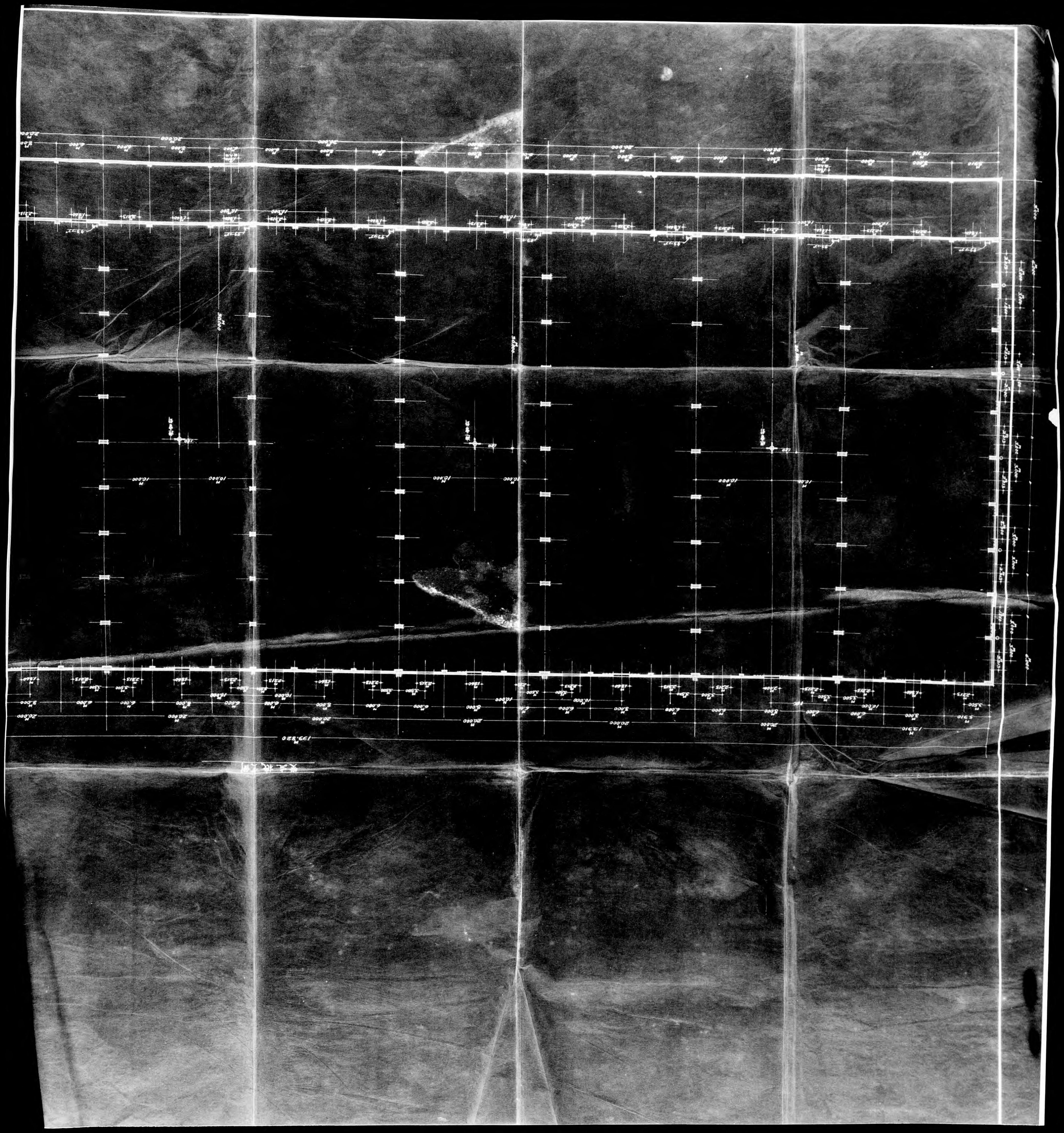
疊套番號

昭和五年六月廿八日

調査		枚數	一
設計			
製圖			

昭和肥料株式會社





Water Electrolysis

圖面番號 第C-12"號

解工場設計圖

姿圖

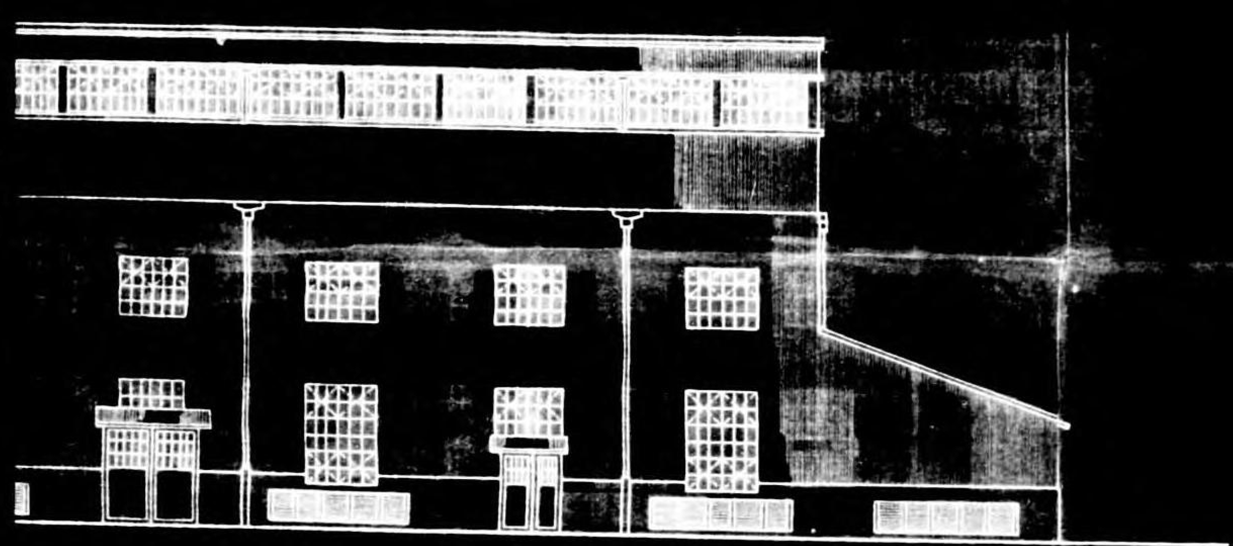
縮尺 1/200

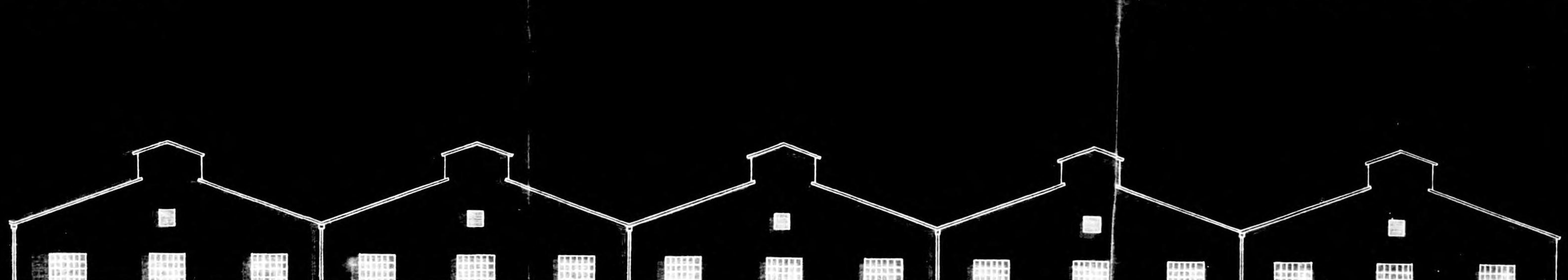
疊套番號

昭和五年六月十八日

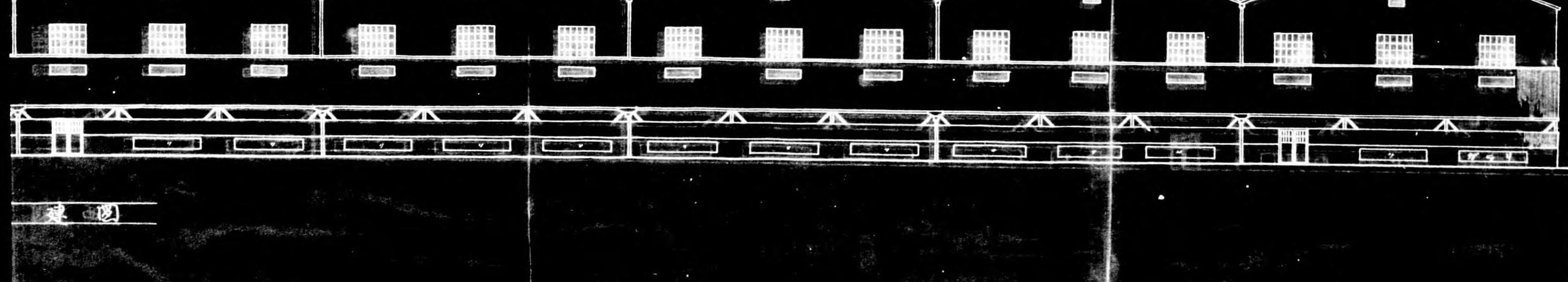
調査		枚数	㊀
設計			
製圖			

昭和肥料株式會社

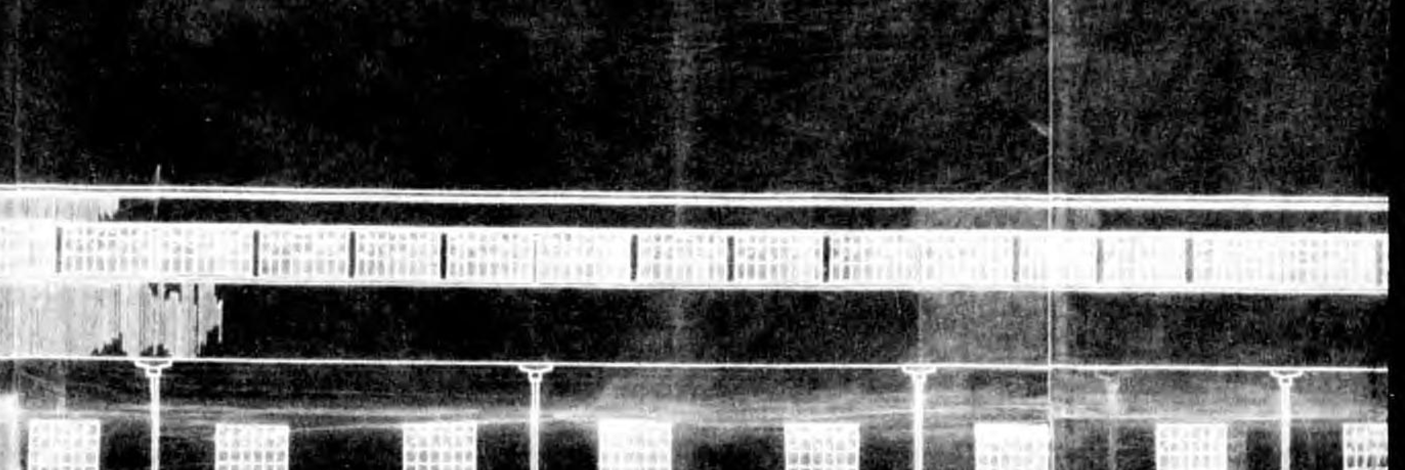




機室側) 建図

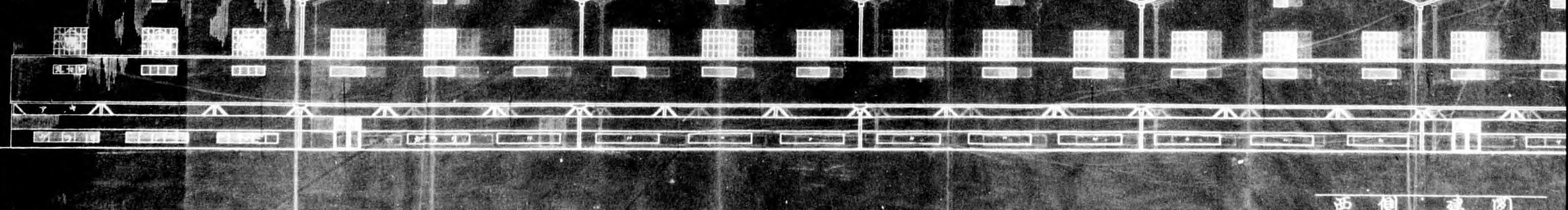


建 図

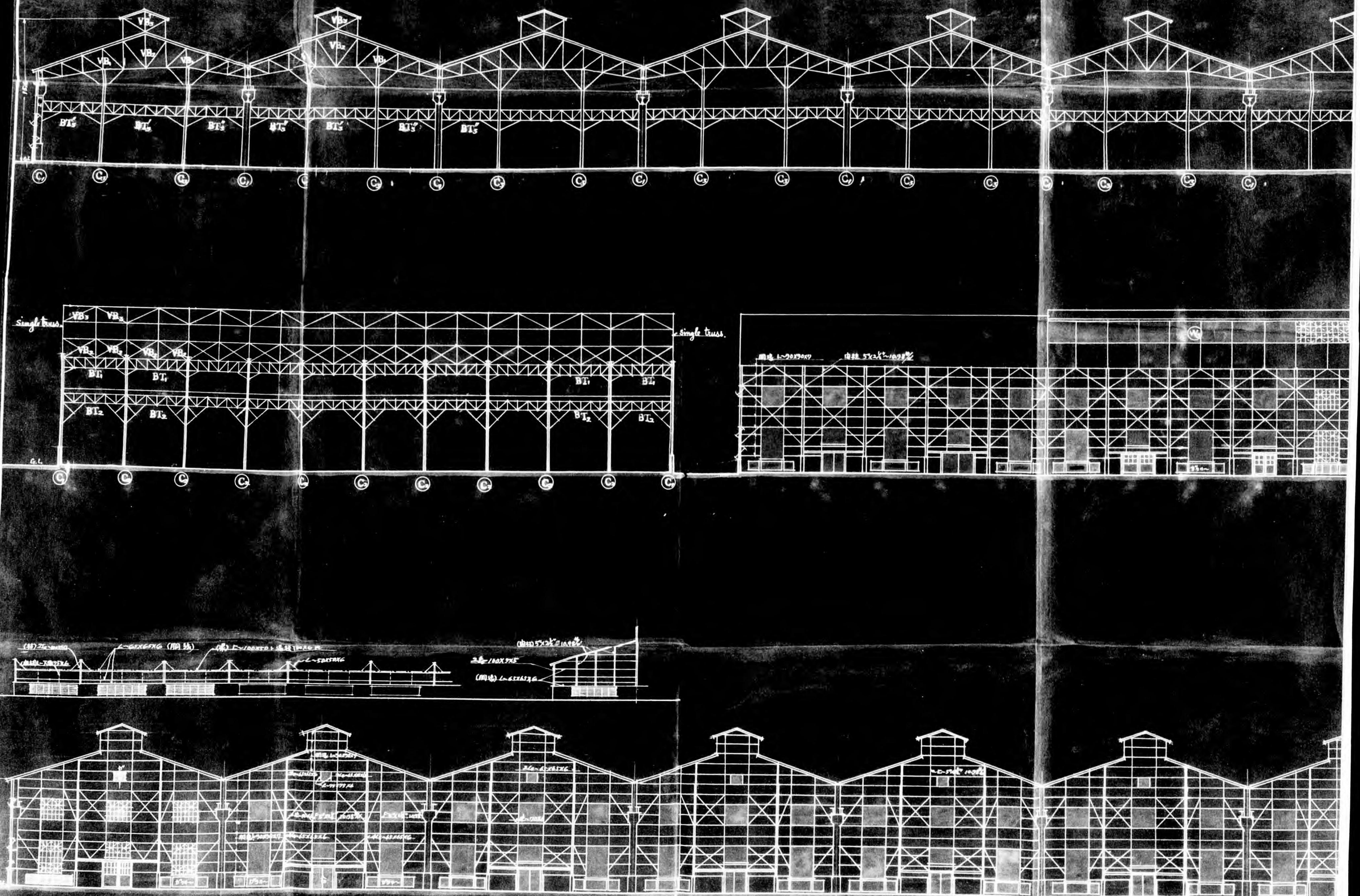


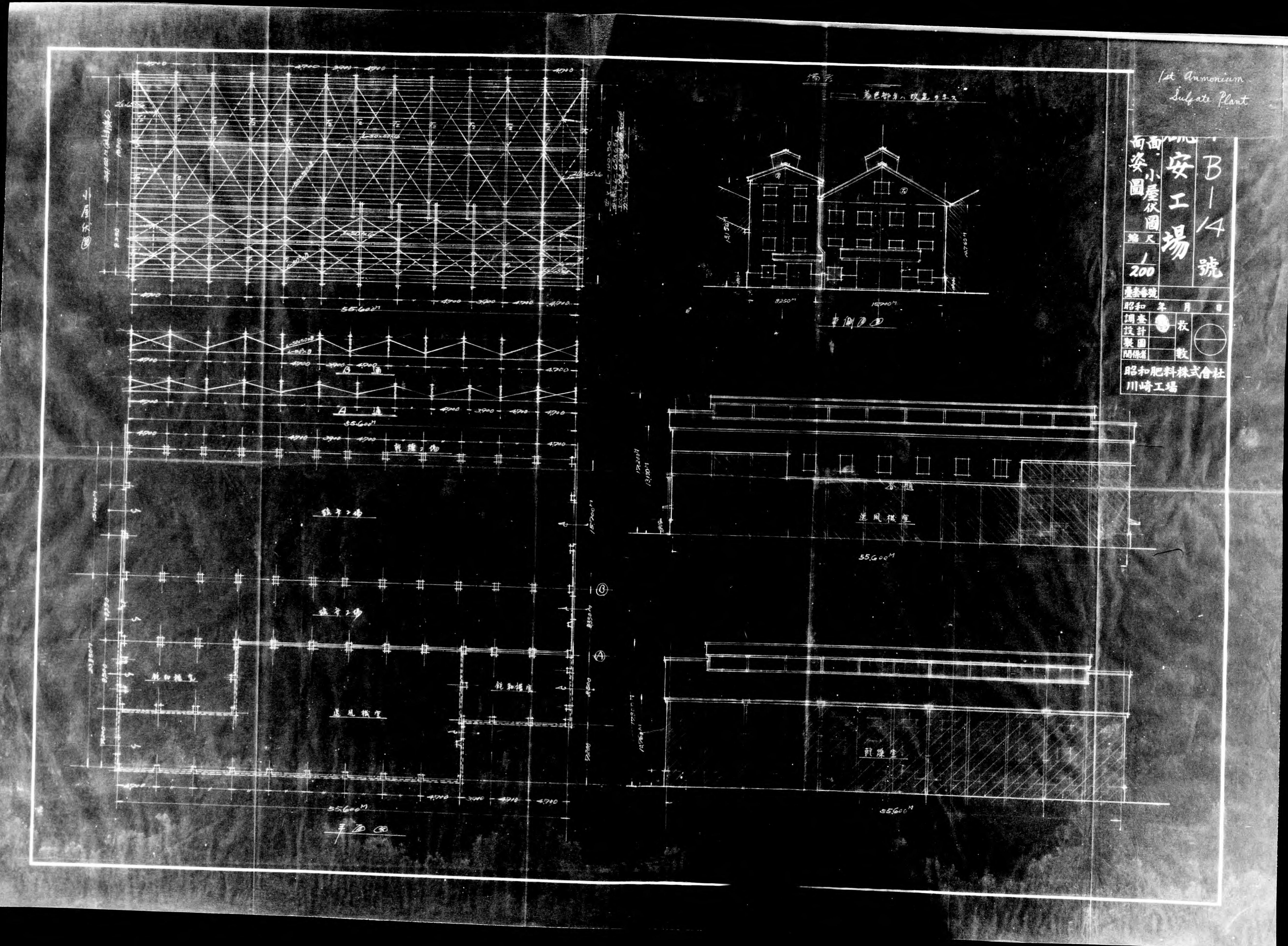
北側(鉛室側)建図

東側(送風機室側)建図



西側建図


Single truss.
Single truss.
G.L.



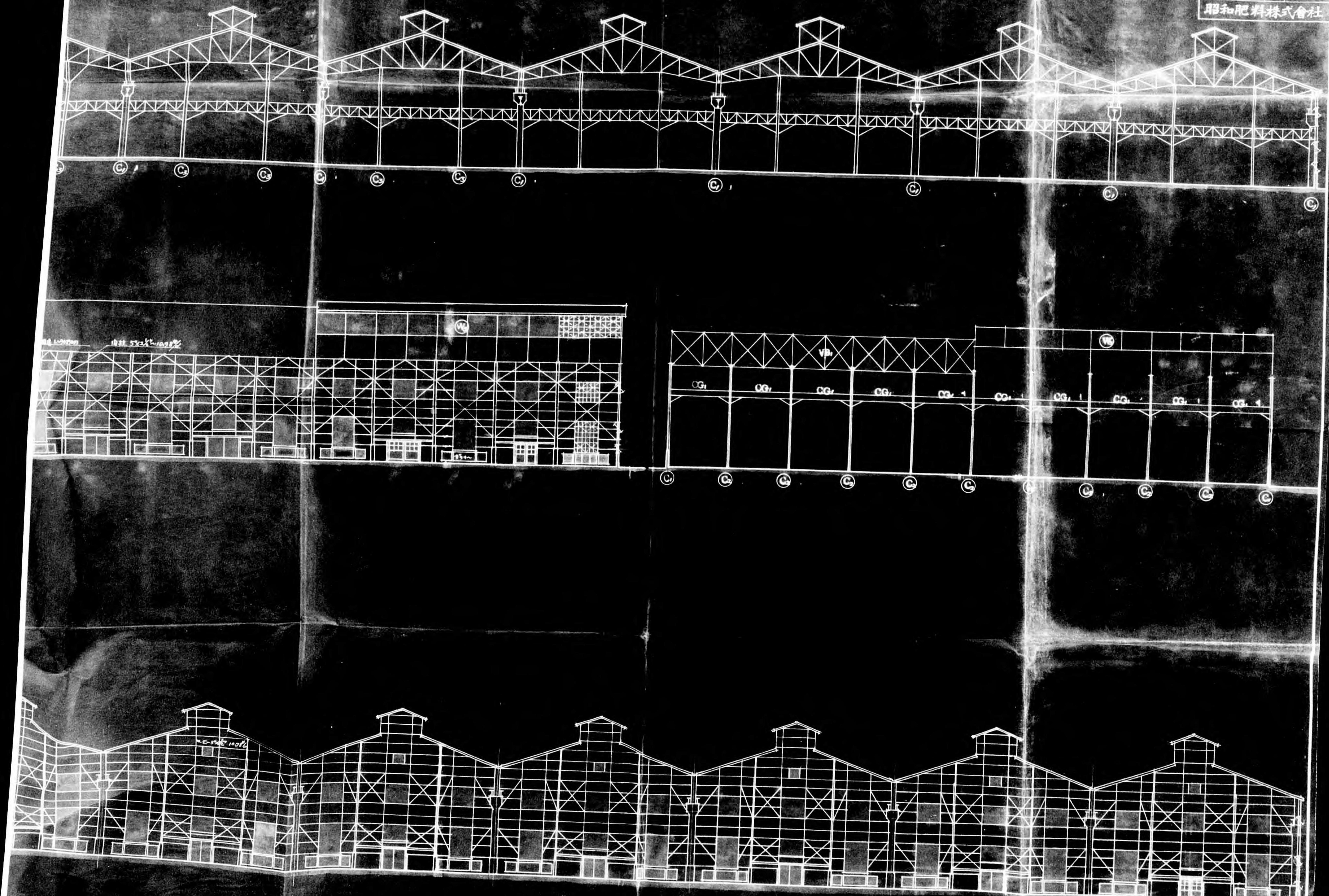
1st Ammonium Sulfate Plant
安工場
B 1/14 號
小屋伏圖
姿圖
縮尺 1/200
臺套番號
昭和 年 月 日
調査
設計
製圖
關係者
枚數
昭和肥料株式會社
川崎工場
小屋伏圖
側面圖
平面圖
55.600M
乾燥室
送風機室

Water Electrolysis

need (2) more

03

圖面番號	第C-2'號
工事	電解工場設計圖
軸組圖	
縮尺	1/200
疊套番號	
昭和五年六月廿八日	
調査	
設計	
製圖	
枚數	⊖
昭和肥料株式會社	



ARSENAL (NAVAL)

KURE NAVAL ARSENAL

657 A – 90.30

~~90.30~~ KURE 34°13'N 132°33'E

SOURCES OF DATA:

INTELL. JTG. REPORT, XXI B.C. D/A REPORTS.

OBSERVATIONS VISIT TO PLANT. BUILDING-BY-BUILDING INSPECTION FOR F/A, S/A, + D/A, INTERVIEWS WITH JAP NAVAL OFFICERS.

~~TARGET~~:

SUMMARY.

57% correct + (similar function

23% incorrect

10% unidentified

10% small minor bldg not data (completely destroyed, removal

[illegible] to P.W. [illegible] other sources good on function

5800 5N

TARGET DESCRIPTION:

TARGET WAS FOREMOST JAP NAVAL ARSENAL LOCATED AT KURE NAVAL BASE, ETC. ETC. ...

FUNCTIONAL ANALYSIS — USE OF PLANT

REPORTED: NAVAL ARSENAL

ACTUAL: NAVAL ARSENAL.

BOUNDARIES AS REPORTED — CORRECT

BUILDING NO. JTG	OTHER	FUNCTION REPORTED	FUNCTION ACTUAL	% CORRECT	REMARKS
55 a b		OFFICE-TYPE BLDG.	DESIGN & DRAFTING DEPT.	100%	
56		" " DRAFTING	STORAGE BLDG. CABLES, TRANSFORMERS, ETC.	0%	
57		" "(DRAFTING)	ELECTRICAL SHOP	0%	
58		" "	ELECTRICAL BLDG.	0%	
59		SHOP	ELEC. SHOP (MFG. & REPAIR)	100%	
60		POWER PLANT (TURBO-GEN.	STEAM-ELECTRIC POWER HOUSE	100%	
61		WAREHOUSE	TRAINING ARSENAL TECHNICIANS	0%	might have changed function since building constructed
62		"	"	0%	
63		"	RECREATION BLDG. & LECTURE HALL	0%	
64		SHOP (ELECT. APP. FINISHING)	S/L ASSEMBLY WORKS.	100%	
65		MACHINE SHOP.	ELECTRICAL SHOP. (ASS. GEN., MOTORS, (REPAIR)	100%	
66.		SHOP (ELEC APP. MACH.)	MACHINE SHOP	100%	
67.		SHOP (MACH SHOP WITH PRESS. & HOLDING)	ELEC. EQUIP. ASSEMBLY PARTS RADAR, RADIO, ETC.	sim.	
68.		SHOP	OFFICE - STORAGE	0%	
69 a b		SHOP (CARPENTER " (BLACKSMITH)	~~TOOL MAKING SHOP (TORPEDO WORKS)~~ SHOP	100%	
70 a b -		SHOPS " "	STORAGE	0%	
71 a b c d e		SHOP	TOOL MAKING SHOP (TORPEDO WORKS)	100%	
72		SHOP (TORP. MECHANISM)	TORPEDO WORKS (MAKING PARTS FOR TORP. MOTORS	100%	
73		SHOP (TORP MAT. SECT)	TESTING SHOP (TORPEDO MOTORS)	100%	

74	SHOP (TORP. MECH.)	MACHINE SHOP (TORP. WORKS)	100%
75	" " "	"	100%
76	" " "	(TORPEDO WORKS) PLATING + WINDING AIR-PRESS. TORP. PIPES	100%
77 a b c d e	CASTING PLANT.	CASTING + WELDING	100%
78	SHOPS	TORPEDO ASSEMBLY SHOP	100%
79	SHOPS	WAREHOUSE (LATER AN OFFICE)	0%
80	SHOPS	CASTINGS (ALL 3 FLOORS)	100%
81	SHOP	CRANEWAYS + STOREAGE AREA	0%
82	"	TRANSFORMER STATION	0%
83	SHOP	PAINT SHOP (PROJECTILES + BOMBS)	100%
84	SHOP	CRUSHER SHOP (CASTING SAND CRUSHING)	100%
85	"	AIR COMPRESSOR BLDG	0%
86	"	FORGING SHOP	100%
87 a b c d e f g h i k	" HEAT TREATMENT PROB FORGE	LIGHT AMMO MANUFACTURE - CASINGS ~~FORGE~~ CASTING SHOPS	100%

88	a b		BOILER HOUSE	STEAM POWER PLANT	100%
89	a b		FORGING OR CASTING	a FORGING SHOP b CASTING SHOP	100%
90	a b		SHOP MACH SHOP SECT.	SHOP MANUFACTURING PROJECTILES.	100%
91	a b c d e f		OFFICES (ORD. ~~SECT.~~ HDQ.)	OFFICES DESIGN HDQTS GUN SECT. DESIGN STORAGE OF DESIGNS	100%
92	a b		SHOP (SHELL FACTORY)	TOOL MAKING SHOP	50%
93			" "	MACHINE SHOP (SHELLS & BOMBS	100%
94	a b c d e f g h i		HEAVY INDUSTRY (REPORTED GUN-MOUNT FACT.)	MACHINING ~~MACHING~~ SHOPS a GUN MOUNT FACT. APPENTICE SHOP b AMMOSTORAGE c MACH. FITTING, ASSEMBLY FORGING SHOP GUN MOUNT ASSEMBLY	100%
95			SHOPS	WAREHOUSE	0%

96	a. b. c.		U/1	OFFICES	U/1	
97			SHOP (REPORTED FORGE)	MACHINE SHOP	0%	
98			SMALL BOILER HOUSE	OFFICE	0%	
99	a b c d e		FORGE	HEAVY FORGING.	100%	
100	a b c d		SHOP overhead crane)	STEEL PRODUCTION.	SIMILAR	
101			GASOMETER	GASOMETER	100%	
102			SHOPS (STORAGE BATT. PLANT)	MANUFACTURE STORAGE BATTERIES (~~ETC~~ FOR S/S)	100%	
103			DITTO	"	100%	
104			DITTO	"	100%	
105	a b.		MACHINE SHOP	HEAT TREATMENT SHOP	0%	
106.	~~a~~ a b c d e ~~e~~		HEAVY INDUSTRY MACHINE SHOP ↓	STEEL WORKING SHOP GUN TORRETS - MIDGET SB ASSEMBLY. a ~~steel~~ working shop (steel plate) (also storage: turrets and small ss. b metal working shop (steel plate) c " " " " " d " " " (" ") e gun turret manufacture	100%	

106	f	GUN TURRET FACTORY	gun turret manufacture	100%	(13) 10/13
	g		" " "	✓	
	h		" " "	100%	~~50%~~
	j		" " " [illegible]		[illegible] 6
	k				
	l		midget S/S assembly	0%	
	m		" " "	0%	
	n	OVERHEAD CRANE	overhead crane	100%	
107	a		a steel machining, arm plate, shells & eng. blocks	✓/	~~0%~~
	b		b " " "	✓/	
	c	SEC. ROLLING MILLS	c armor plate, shells, eng. block mach	0%	
	d		d bomb & shell production	0%	boundaries of bld. wrong (#110 [illegible])
	e	SEC. ROLLING MILLS	e machining (arm plate, engine & plate cutting	0%	
	f	OPEN HEARTH BLDG	f steel machining (arm. plate, shells & eng. blocks	0%	(sim.) 6/14 = 3/7
	g		g machining (arm plate, engines	✓/	50% 6/14 4/7 =
	h	SEC. ROLLING MILLS	h armor plate cutting " "	0%	
	j		j plate rolling, cutting bending	✓/	6 0%
	k		K engine & boiler room	✓/	
	l		l annealing furnaces	✓/	8 ✓/
	m	OPEN HEARTH BLDG	m annealing furnaces	50%	general function of bldg. suggested - even tho bays incorrectly identified. - knowledge of mill practice lacking in interp'tn -
	n		n steam engines, offices, tools storage	✓/	
	o		o rolling mills (armor pit)	✓/	
108		BLDG ASS. WITH 107	GAS PRODUCER BLDG (primary)	~~partially~~ S ✓/	
109		" " " "	GAS PRODUCER BLDG (secondary)	✓/ ~~partially~~	
110		MACHINE SHOP	BOMB & shell production	~~similar~~ 100%	Boundaries wrong (should include 107d.
	a				
	b				
	c				
	d		[illegible]		~~107d boundaries wr~~ S

111 a b	SHOP	GENERAL REPAIR SHOP (part of (b)) TORPEDO MACHINING	100%	
112	HEAT TREATING SHOP	BOILER HOUSE	0%	FURNACES - similar to annealing furnaces Type bldgs.
113	ASS. WITH 107	~~not present~~	U/1	
114	" " "	BOILER HOUSE	U/1	
115	HEAT TREATING SHOP	BOILER HOUSE	0%	s/remarks as 112.
116 a b c d e	SHOP OVERHEAD CRANE	a steel structure fabricating shop (cols beams, etc) b " " " " c non-ferrous metals shop model shop - Toolcrib & restaurant e overhead crane	sim. 100% sim. 100%	
117	SMALL SHOP	LABORATORY (~~METALLURGICAL~~ & TESTING) AND OFFICE	0%	
118	BLDGS ASS. WITH 120	GAS PRODUCER.	~~sim.~~ U/1	
119	" " " "	ELECT. STEEL FURNACES	~~0%~~ U/1	
120 a b c d e f	FORGE OR CASTING PLNT. OVERHEAD CRANE	a FORGING SHOP b OPEN HEARTHS & SCRAP YARD (STEEL PRODUCTION) c CHARGING FLOOR (STEEL PRODUCTION) d e Storage f ingot yard.	100% U/1 U/1 U/1 100%	

121		ASS. WITH 120	ANNEALING FURNACES	~~simplex~~ c/1
122	a b	" " "	GAS PRODUCER BLDG	c/1
123	a b	" " " OVERHEAD CRANE	MESS hall - SCRAP YARD	~~c/1~~ 0% ~~100%~~
124	a b c d e f g h j k l m	OPEN HEART & PROB. ELECT. FURN. BLDG. OVERHEAD CRANE	STEEL PRODUCTION OPEN HEARTHS	100%
125		SMALL SHOP	LABORATORY (METALLURGICAL LAB).	0%
126		COAL & ORE YARD	—	—
127		PLANT MAINTENANCE SHOP	—	—
128		" " "	—	—
129	a b	" " "	—	—
130		" " "	—	—

131		PLT. MACHINE SHOP	—	—
132		" " "	—	—
133		" " "	—	—
134 a		" " "	—	—
b				
c				
d				
e				
135		BOILER HOUSE	BOILER HOUSE & STORAGE	100%
136		ASS'D. WITH #140	GAS-PRODUCER BLDG	0%
137 a		OPEN HEARTH BLDG.	#3 STEEL MANUFACTURING PLANT.	100%
b				
c		OVERHEAD CRANE		
d				
e				
138		MACHINE SHOP	GUN BARREL MACHINING SHOPS.	~~100~~ ~~STANDARD~~
a			a OFFICES - TOOL CRIBS - RESTAURANT OIL STORAGE	100%
b			b GUN BARREL MACHINING	
c			c " " "	
d			d " " "	
e			e " " "	
f			f ~~Heavy~~ " "	
g			g heavy machining	
h			h storage yard (barrells)	
j			j	
k		GANTRY	k	

139		LARGE SHOP	BARREL LINER INSERTING. HEAT TREATING S	100%	
140		SHOP	REPAIR SHOP (FOR TECHNICAL INSTRUMENTS	100%	BUILDING BOUNDARIES INCORRECT. actually Two distinct bldgs. here. separate unrelated funds.
141		SMALL SHOP	GAS PRODUCER BLDG. ANNEALING FURNACES	0% 0%	
142		WARE HOUSE	STORAGE	100%	
143		" "	STORAGE	100%	
144 a b		BOILER HOUSE	POWER HOUSE (GENERATORS)	51% ~~0%~~ ~~50%~~	
145		PROB. MACH. SHOP	MACHINE SHOP - (SHELLS	100%	
146		WAREHOUSE	STORAGE	100%	
147		"	STORAGE	100%	
148		STORAGE SHEDS	"	100%	
149		" "	"	100%	
150 a b		FLOATING CRANE " "	FLOATING CRANE	100%	
151 a		STORAGE YARD HAMMER HEAD CRANE	STORAGE YARD	100%	
152		WAREHOUSE	WAREHOUSE	100%	
153		" "			
154		" "	PUMPHOUSE & AIR COMPRESSOR	0%	
155		" "	?		REMOVED BY TIME OF VISIT.

156		MACHINE SHOP	MACHINE SHOP (boring & shaping of torpedo castings.	100%
a				
b				
c				
157		~~NOT~~ U/I	TORPEDO ASSEMBLY / a repair shop	U/I
a			a machining	
b			b. testing	
c			c assembly	
d			d repair shop.	
e			e. shipping room.	
f			f. office	
g		FUEL OIL PIER		
158		STORAGE TYPE BLDG.	Torpedo testing office	0%
159		" " "	boiler room	0%
160		" " "	plating shop.	0%
a				
b				
c				
161		COAL YARD	coal yard	100%
a		OFFICES		
b		OVER HEAD CRANE →	→ overhead crane	
c		" "	" "	
d		HAMMER-HEAD CRANE	hammer-head crane	
e		" " "	" " "	
162		OFFICE & STORAGE TYPE	REPAIR & STORAGE SHEDS	~~STM~~ 100%
164		" " "	"	~~100%~~
165		" " "	"	~~100%~~
166		" "	"	~~STM~~ 100%

167	WAREHOUSE	GARAGE & MESS ~~REPAIR~~ HALL	0%
168	PROB. OFFICE	?	
169	STORAGE TYPE SHEDS	STORAGE + REPAIR	100%
170	" " "	—	100%
171	" " "	—	100%
172	" " "	—	100%
173	" " "	—	100%
174	U/I	WAREHOUSE	U/I
175	STORAGE YARD		
a	2 HAMMERHEAD CRANES	→ ??	100%
b	FUEL-OIL PIERS		
c	"		

175 BDGS.

correct	64	= 53	%
similar	5	4	%
u/i	12	10	%
incorrect	28	23	%
	109		

176
175
55
120
121

(121)

no data (12) 12

minor 10% bldge unchecked complex – destroyed/removed

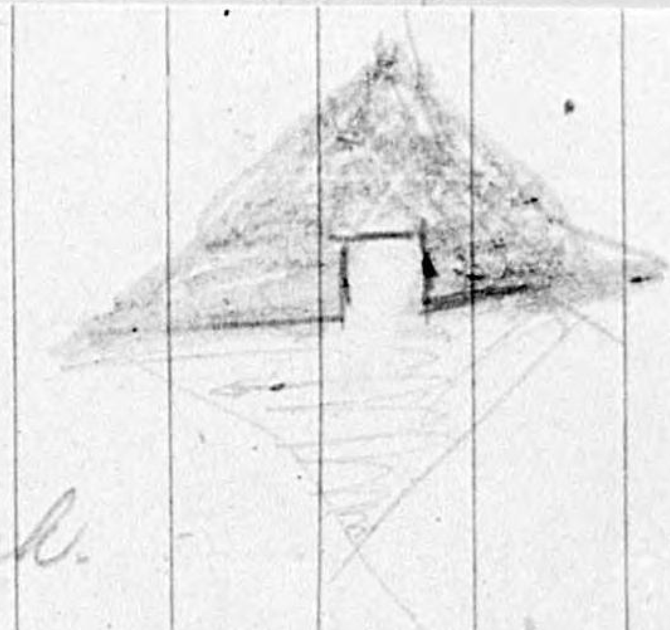
correct

function - if called correctly

similar

- function if called

BLDG NO		FLOORS NO. R	FLOORS NO. A	FLOORS %	FLOORS TYPE R	FLOORS TYPE A	FLOORS %	FLOORS COMBUST. R	FLOORS COMBUST. A	FLOORS %	WALLS TYPE R	WALLS TYPE A	WALLS COMBUST. R	WALLS COMBUST. A	WALLS %	ROOF TYPE R	ROOF TYPE A	ROOF COMBUST. R	ROOF COMBUST. A	ROOF %	CONST. TYPE R	CONST. TYPE A	CONST. %	H.E. VUL. HEIGHT R	H.E. VUL. HEIGHT A	H.E. VUL. HEIGHT %	REMA
J TO	OTHER																										
55																											
	a	2						C								LT.					E2			V3			
	b	3						C								LT.					E2			V3			
56		2						C								LT.					E2			V3			



1. Purpose – checking P.I. dope
∴ details on bldgs each-by-each.
<u>not</u> on how information is used.

2. Broad picture of P.I. identification
each [identification
incorrect "

3.

MEASUREMENTS ~~ARE~~ ACCURATE

OUTPUT OR ACTUAL
DAMAGE COMPLETELY KNOCKED OUT

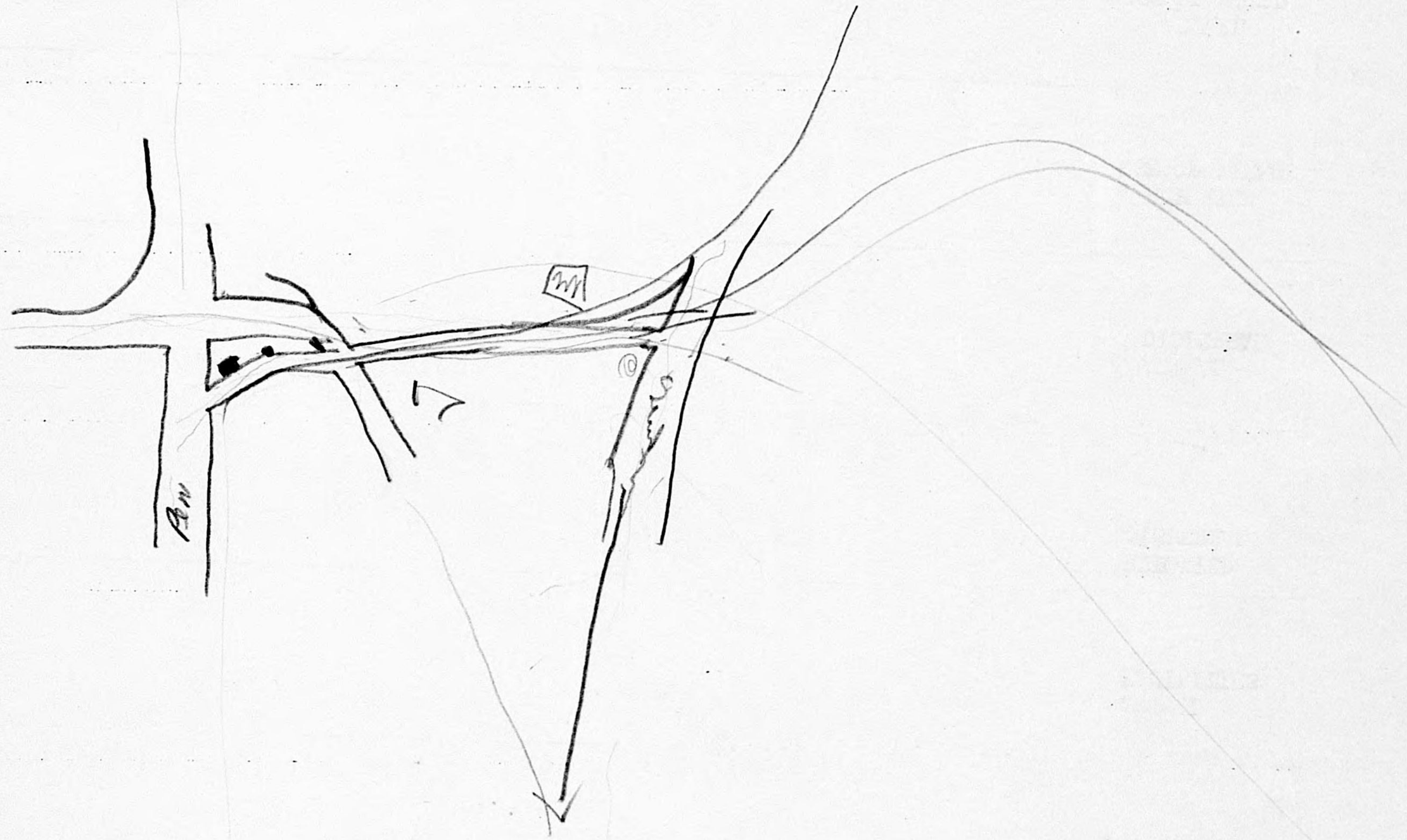
B

IN GENERAL;

Plant was

Overall accuracy ~~fair~~ of function & structure.
Certain sections of the reported data indicate
~~of~~ fairly reliable ground data – other

Major discrepancies in breakdown of sub-divisions
or buildings into a & b sections.


7
Ave

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

NAME OF PLANT		
TYPE OF INDUSTRY		
CITY	TARGET NO.	BLDG. NO.
LAT.	LONG AREA	
INTEL. SUBJECT NUMBER		DATE
PHOTOGRAPHY		ROLL - NEG NUMBER
INTERIOR	EXTERIOR	
STRUCT. DETAIL	NO. OF EXPOSURES	

TEAM

DAMAGE ASSESMENT

DESTROYED	
STRUCTURAL DAMAGE	
SUPERFICIAL DAMAGE	and (roof and walls blown off)
ROOF DISTURBANCE	
MINOR DAMAGE	

GENERAL NOTES - SECTIONS - PLANS - ETC -

BLDG. NUMBER

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

Compressors

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS

FLOOR	TYPE	THICKNESS
1st	Concrete	8"–12"
FLOOR	TYPE	THICKNESS
2.	Concrete	12"

WALLS	TYPE	THICKNESS
	C. Asbestos & Asbestos Panels	

ROOF MATERIAL	TYPE	THICKNESS
	C. Asbestos	

TRUSS	TYPE	SPAN
	Steel	

CRANES NO.	TYPE	LOAD CAPACITY
3-15T & 1-30T		

MACHINERY REMOVED TO	REASON

REPAIRS AND CLEARANCES

NEW CONSTRUCTION

NAME OF PLANT		
TYPE OF INDUSTRY		
CITY	TARGET NO. 137	BLDG. NO. 1a,b&c
LAT. LONG	AREA	
INTEL. SUBJECT NUMBER		DATE
PHOTOGRAPHY		ROLL - NEG NUMBER
INTERIOR	EXTERIOR	
STRUCT. DETAIL	NO. OF EXPOSURES	

TEAM

DAMAGE ASSESMENT

DESTROYED

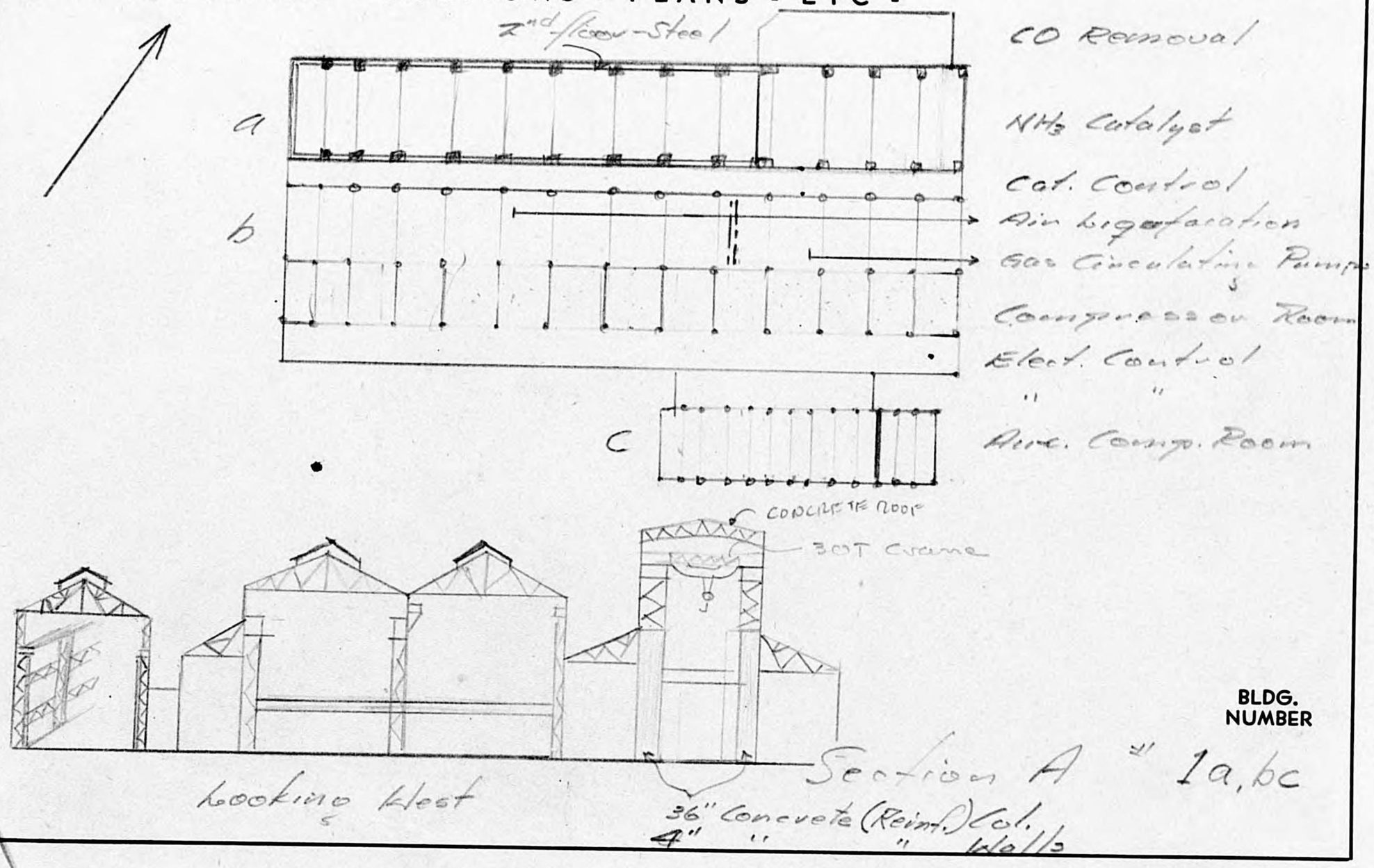
STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



BLDG. NUMBER 1a, bc

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

NH4 (SYNTHETIS

FUNCTION a - CATALYSER TUBE ROOM CONTROL ROOM BETWEEN. 3 HIGH-PRESSURE-GAS CIRCULATION PUMP ROOM. 11 UNIT. 120 H.P.	NAME OF PLANT: SHOWA FERTILIZER CO. TYPE OF INDUSTRY: CHEMICAL
	CITY: KAWASAKI — TARGET NO.: 137 — BLDG. NO.: 1.
	LAT. — LONG — AREA: 90.17
	INTEL. SUBJECT NUMBER: UX-66 — DATE

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE		REMARKS: STEEL FRAME
FLOOR	TYPE	THICKNESS	
1) CONCRETE (COOLARS.			
FLOOR	TYPE	THICKNESS	
CONCRETE & STEEL.			
WALLS	TYPE	THICKNESS	CONCRETE PANELS.
SHEET METAL - AF 30' HIGH			
ROOF MATERIAL	TYPE	THICKNESS	
TRUSS	TYPE	SPAN	
CRANES NO.	TYPE	LOAD CAPACITY	6 - 2 7.5 T.
MACHINERY REMOVED TO		REASON	
REPAIRS AND CLEARANCES			
NEW CONSTRUCTION			

PHOTOGRAPHY		ROLL - NEG NUMBER
INTERIOR	EXTERIOR	
STRUCT. DETAIL	NO. OF EXPOSURES	

TEAM
MALLON
SHEPHERD

DAMAGE ASSESMENT

DESTROYED

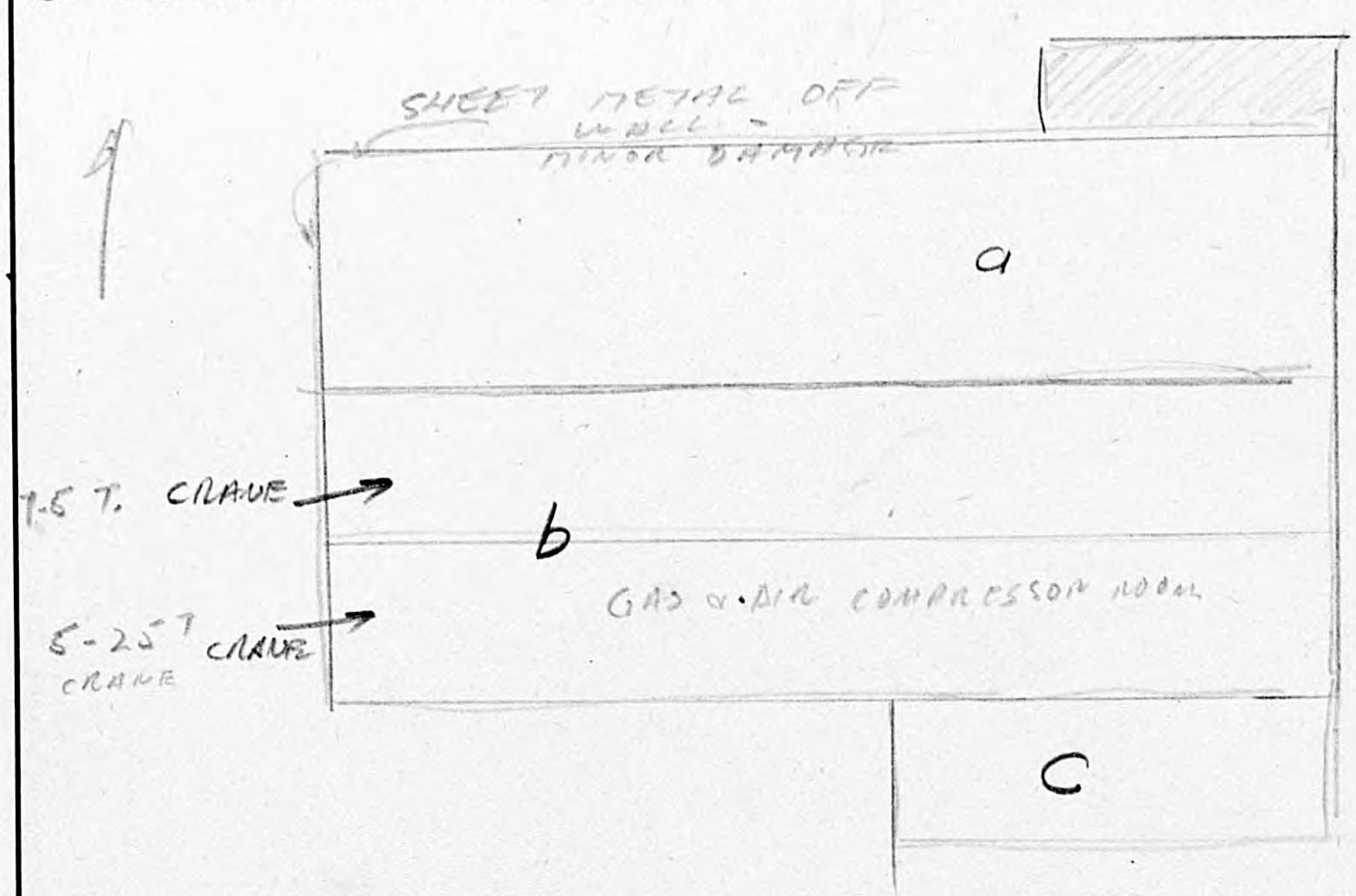
STRUCTURAL DAMAGE

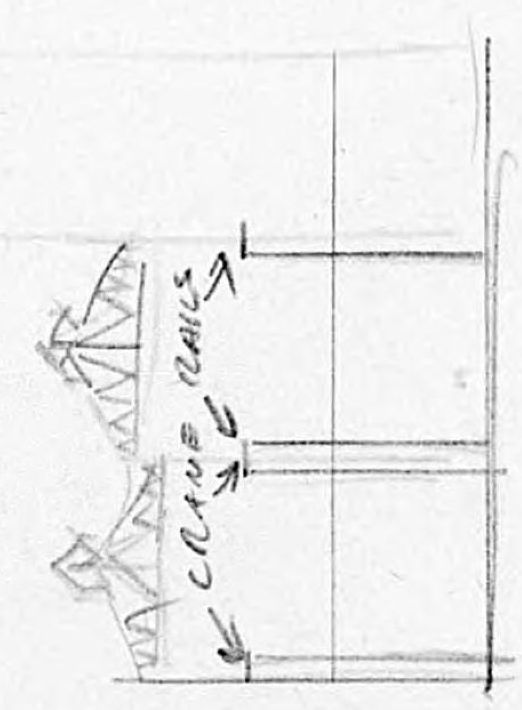
SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC - CU. LIQ CIRCULATING PLANS FOR CO REMOVAL PLANS





BLDG. NUMBER 1

ABOUT 30% OF ROOF REMOVED. OTHERWISE NO DAMAGE
SINCE REPLACED

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

Gasometer - Nytrogen 10,000 cu.meter

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
	1931	

FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY

MACHINERY REMOVED TO REASON

REPAIRS AND CLEARANCES

NEW CONSTRUCTION

NAME OF PLANT		
TYPE OF INDUSTRY		
CITY	TARGET NO. 137	BLDG. NO. 243
LAT. LONG	AREA	
INTEL. SUBJECT NUMBER		DATE

PHOTOGRAPHY — ROLL - NEG NUMBER

INTERIOR EXTERIOR

STRUCT. DETAIL NO. OF EXPOSURES

TEAM

DAMAGE ASSESMENT

DESTROYED

STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -

#2 Nitrogen 10.000 cu meters

#3 H. 20,000 " "

BLDG. NUMBER

243

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION
NITROGEN GAS HOLDER
(WET TYPE)

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE		REMARKS
FLOOR	TYPE	THICKNESS	
FLOOR	TYPE	THICKNESS	
WALLS	TYPE	THICKNESS	
ROOF MATERIAL	TYPE	THICKNESS	
TRUSS	TYPE	SPAN	
CRANES NO.	TYPE	LOAD CAPACITY	
MACHINERY REMOVED TO		REASON	
REPAIRS AND CLEARANCES			
NEW CONSTRUCTION			

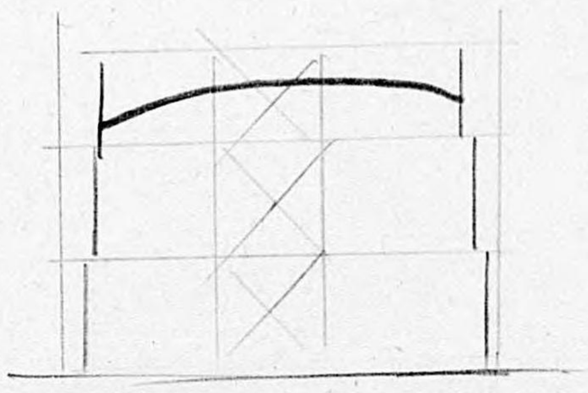
NAME OF PLANT: SHOWA NITROGEN FERTILIZER
TYPE OF INDUSTRY: CHEMICAL
CITY: KAWASAKI
TARGET NO.: 137
BLDG. NO.: 2
LAT. LONG AREA: 90.17
INTEL. SUBJECT NUMBER
DATE: 25 Nov.
PHOTOGRAPHY
ROLL - NEG NUMBER
INTERIOR EXTERIOR
STRUCT. DETAIL NO. OF EXPOSURES

TEAM
MALLON
CANFIELD

DAMAGE ASSESMENT

DESTROYED
STRUCTURAL DAMAGE
SUPERFICIAL DAMAGE
ROOF DISTURBANCE
MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



SHELL SEVERELY DAMAGED BY FRAGMENTS OF BOMBS.

STILL NOT OPERATIVE.

BLDG. NUMBER
2

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

HYDROGEN GAS HOLDER (WET-TYPE)

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

NAME OF PLANT: SHOWA NITROGEN FERTILIZER		
TYPE OF INDUSTRY: CHEMICAL		
CITY: KAWASAKI	TARGET NO.: 137	BLDG. NO.: 3
LAT.	LONG	AREA: 90.17
INTEL. SUBJECT NUMBER: UX-66		DATE: 25 NOV
PHOTOGRAPHY		ROLL - NEG NUMBER
INTERIOR	EXTERIOR	
STRUCT. DETAIL	NO. OF EXPOSURES	

TEAM
MALLON
SHEPHERD

DAMAGE ASSESMENT

DESTROYED

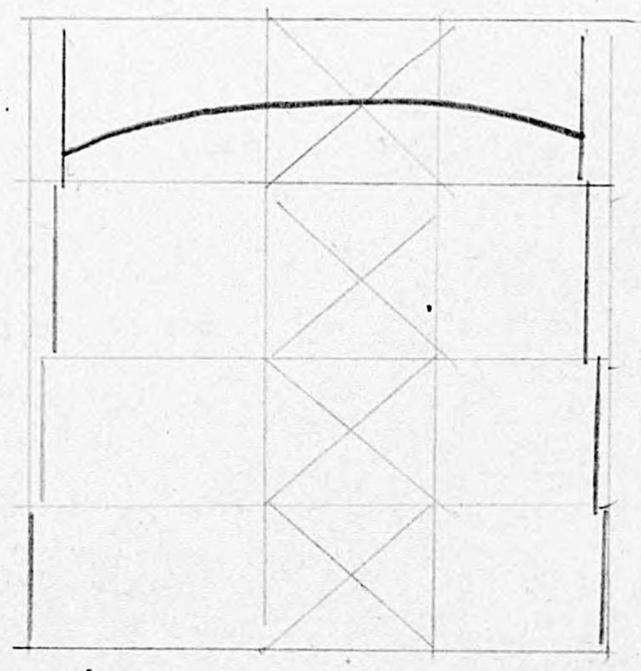
STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



SHELL WAS PUNCTURED BY BOMB FRAGMENTS.
NO FIRE.
IS NOW BEING REPAIRED.

BLDG. NUMBER
3

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS

FLOOR	TYPE	THICKNESS
1st	Concrete	

FLOOR	TYPE	THICKNESS
2nd	Wood	

WALLS	TYPE	THICKNESS
	C. Asbestos	

ROOF MATERIAL	TYPE	THICKNESS
	C. Asbestos	

TRUSS	TYPE	SPAN
Steel		

CRANES NO.	TYPE	LOAD CAPACITY
✓		

MACHINERY REMOVED TO REASON

REPAIRS AND CLEARANCES

NEW CONSTRUCTION

NAME OF PLANT

TYPE OF INDUSTRY

CITY	TARGET NO.	BLDG. NO.
	137	4

LAT.	LONG	AREA

INTEL. SUBJECT NUMBER	DATE

PHOTOGRAPHY — ROLL - NEG NUMBER

INTERIOR EXTERIOR

STRUCT. DETAIL NO. OF EXPOSURES

TEAM

DAMAGE ASSESMENT

DESTROYED

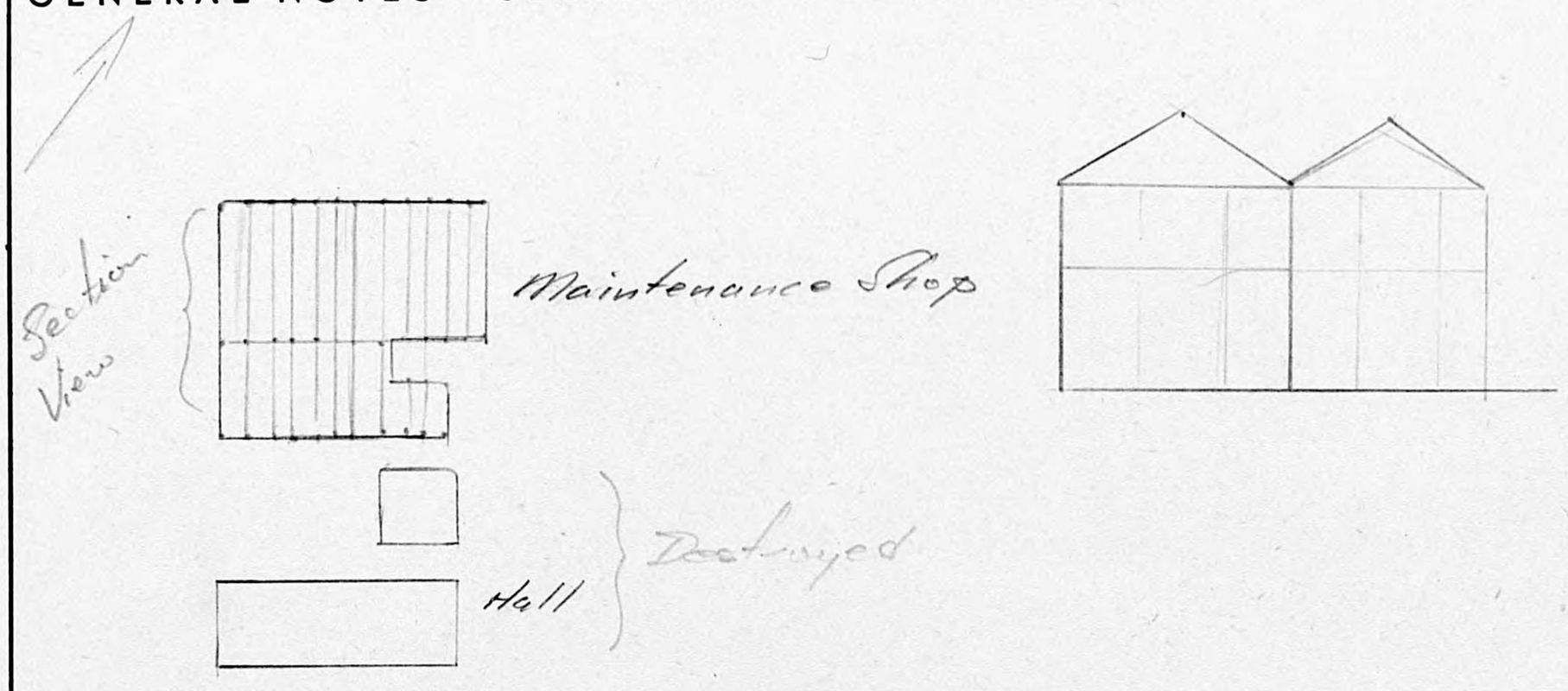
STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



BLDG. NUMBER

4

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

RECOVERY PLANT FOR CONSUMED LUBLICATING OIL. (FOR COMPRESSOR)

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
		STEEL FRAME

FLOOR	TYPE	THICKNESS
1) CONCRETE		

FLOOR	TYPE	THICKNESS
2) STEEL	PLATE	

WALLS	TYPE	THICKNESS
	ASBESTOS	SLATE

ROOF MATERIAL	TYPE	THICKNESS
	ASBESTOS	SLATE

TRUSS	TYPE	SPAN
STEEL		

CRANES NO.	TYPE	LOAD CAPACITY
NONE		

MACHINERY REMOVED TO — REASON

REPAIRS AND CLEARANCES

NEW CONSTRUCTION

NAME OF PLANT: SHOWA NITROGEN FERTILIZER CO.

TYPE OF INDUSTRY: CHEMICAL.

CITY	TARGET NO.	BLDG. NO.
KAWASAKI	137	4

LAT.	LONG	AREA
		90.2

INTEL. SUBJECT NUMBER	DATE
UX-66	25 Nov.

PHOTOGRAPHY	ROLL - NEG NUMBER
INTERIOR	EXTERIOR
STRUCT. DETAIL	NO. OF EXPOSURES

TEAM
MALLON
SHEPHERD.

DAMAGE ASSESMENT

DESTROYED

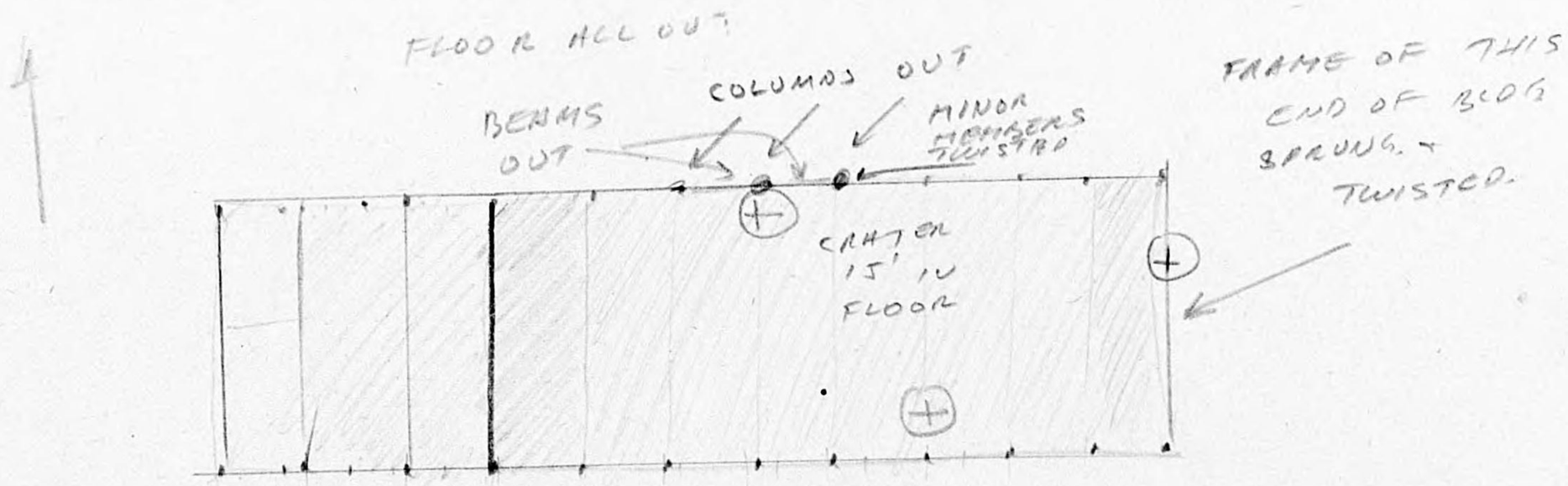
STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



BLDG. NUMBER 4

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION
5. WAREHOUSES
7.

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
		WOODEN BUILDINGS

FLOOR	TYPE	THICKNESS

FLOOR	TYPE	THICKNESS

WALLS	TYPE	THICKNESS
WOOD		

ROOF MATERIAL	TYPE	THICKNESS
WOOD		

TRUSS	TYPE	SPAN
WOOD		

CRANES NO.	TYPE	LOAD CAPACITY
NONE		

MACHINERY REMOVED TO	REASON

REPAIRS AND CLEARANCES

NEW CONSTRUCTION

NAME OF PLANT: SHOWA NITROGEN FERTILIZER

TYPE OF INDUSTRY: CHEMICAL

CITY	TARGET NO.	BLDG. NO.
KAWASAKI	137	5, 7

LAT.	LONG	AREA
		90.17

INTEL. SUBJECT NUMBER	DATE
UX-66	25 NOV.

PHOTOGRAPHY — ROLL - NEG NUMBER

INTERIOR — EXTERIOR

STRUCT. DETAIL — NO. OF EXPOSURES

TEAM
MALLON
SHEPHERD

DAMAGE ASSESMENT

DESTROYED

STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

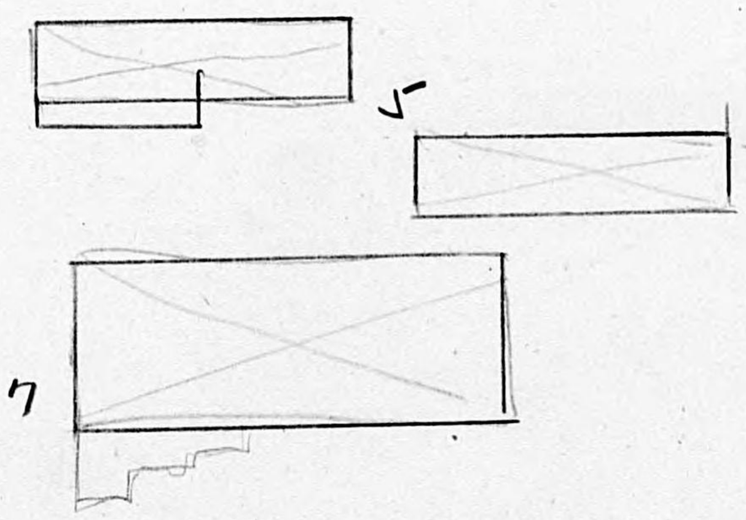
ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -

3 wooden bldg.

1ST AUG., 25 JULY



WAREHOUSES

BLDG. NUMBER
5,7

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE		REMARKS
FLOOR	TYPE	THICKNESS	
FLOOR	TYPE	THICKNESS	
WALLS	TYPE	THICKNESS	
ROOF MATERIAL	TYPE	THICKNESS	
TRUSS	TYPE	SPAN	
CRANES NO.	TYPE	LOAD CAPACITY	
MACHINERY REMOVED TO		REASON	
REPAIRS AND CLEARANCES			
NEW CONSTRUCTION			

NAME OF PLANT		
TYPE OF INDUSTRY		
CITY	TARGET NO. 137	BLDG. NO. 5
LAT. LONG	AREA	
INTEL. SUBJECT NUMBER		DATE
PHOTOGRAPHY		ROLL - NEG NUMBER
INTERIOR	EXTERIOR	
STRUCT. DETAIL	NO. OF EXPOSURES	

TEAM

DAMAGE ASSESMENT

DESTROYED

STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -

Destroyed

BLDG. NUMBER

5

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

Offices

STRUCTURAL ANALYSIS

YEAR BUILT — ORIGINAL USE — REMARKS

FLOOR — TYPE — THICKNESS
1st Wood

FLOOR — TYPE — THICKNESS
1st Wood

WALLS — TYPE — THICKNESS Outside – 6" Concrete
Interior – Wood & Plaster

ROOF MATERIAL — TYPE — THICKNESS
Concrete 6-8" & 3" Slabs = 11"

TRUSS — TYPE — SPAN
Reinf. Concrete

CRANES NO. — TYPE — LOAD CAPACITY
✓

MACHINERY REMOVED TO — REASON

REPAIRS AND CLEARANCES

NEW CONSTRUCTION

NAME OF PLANT

TYPE OF INDUSTRY

CITY	TARGET NO.	BLDG. NO.
	137	6
LAT. LONG AREA		
INTEL. SUBJECT NUMBER		DATE
PHOTOGRAPHY		ROLL - NEG NUMBER
INTERIOR	EXTERIOR	
STRUCT. DETAIL	NO. OF EXPOSURES	

TEAM

DAMAGE ASSESMENT

DESTROYED

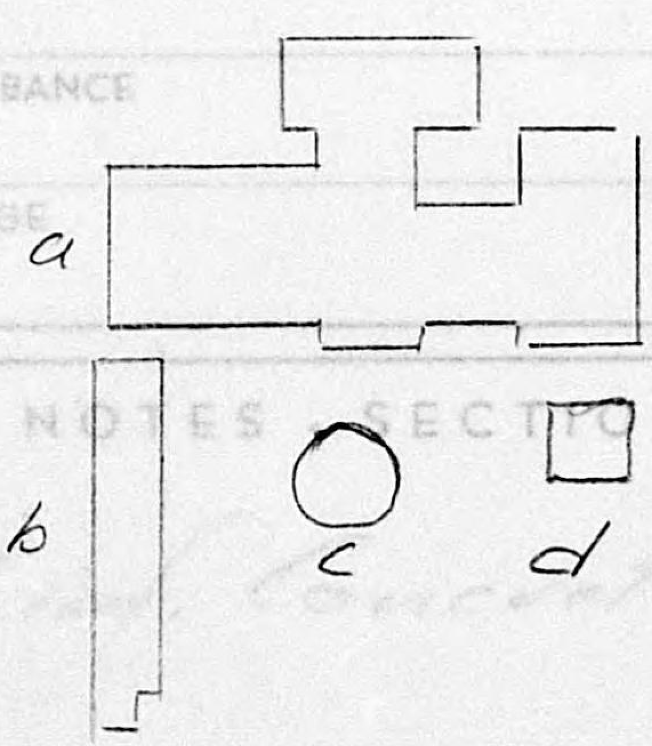
STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



Reinf. Concrete Bldg. – 8°

b, c, & d – Destroyed

#6

BLDG. NUMBER
6

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION
OFFICE BUILDING

NAME OF PLANT
SHOWA FERTILIZER CO.

TYPE OF INDUSTRY
CHEMICAL

CITY KAWASAKI
TARGET NO. 137
BLDG. NO. 6

LAT. **LONG** **AREA** 90.17

INTEL. SUBJECT NUMBER UX66
DATE 28 NOV.

PHOTOGRAPHY
ROLL - NEG NUMBER

INTERIOR **EXTERIOR**

STRUCT. DETAIL **NO. OF EXPOSURES**

TEAM

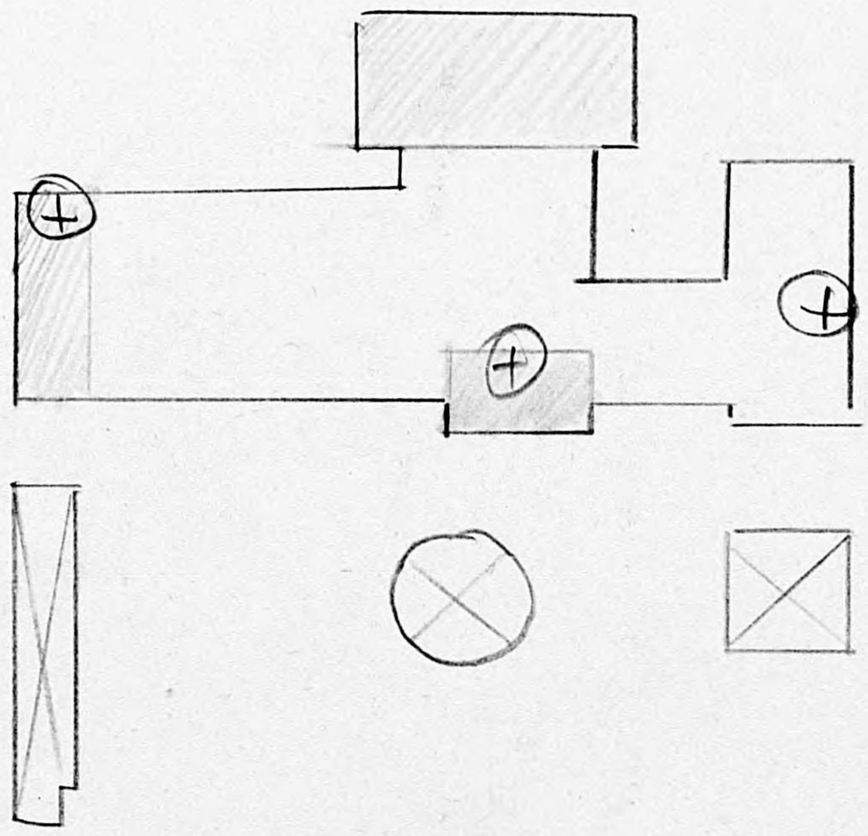
STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

DAMAGE ASSESMENT

DESTROYED
STRUCTURAL DAMAGE
SUPERFICIAL DAMAGE
ROOF DISTURBANCE
MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



BLDG. NUMBER 6

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

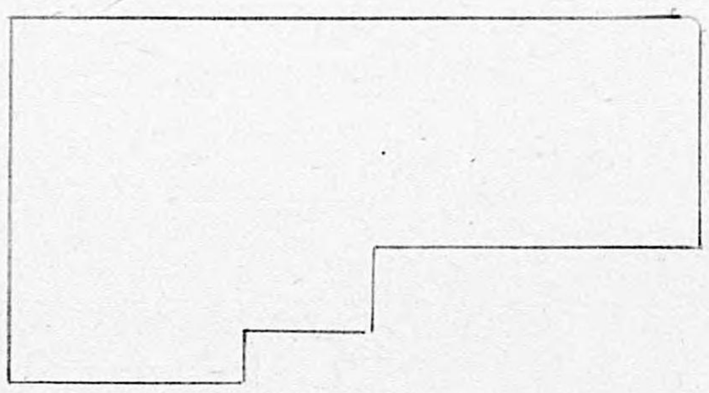
FUNCTION			
STRUCTURAL ANALYSIS	YEAR BUILT	ORIGINAL USE	REMARKS
	FLOOR	TYPE	THICKNESS
	FLOOR	TYPE	THICKNESS
	WALLS	TYPE	THICKNESS
	ROOF MATERIAL	TYPE	THICKNESS
	TRUSS	TYPE	SPAN
	CRANES NO.	TYPE	LOAD CAPACITY
	MACHINERY REMOVED TO		REASON
	REPAIRS AND CLEARANCES		
	NEW CONSTRUCTION		

NAME OF PLANT		
TYPE OF INDUSTRY		
CITY	TARGET NO.	BLDG. NO. 7
LAT.	LONG AREA	
INTEL. SUBJECT NUMBER		DATE
PHOTOGRAPHY		ROLL - NEG NUMBER
INTERIOR	EXTERIOR	
STRUCT. DETAIL	NO. OF EXPOSURES	

TEAM

DAMAGE ASSESMENT	
	DESTROYED
	STRUCTURAL DAMAGE
	SUPERFICIAL DAMAGE
	ROOF DISTURBANCE
	MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



Destroyed

BLDG. NUMBER 7

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR —	TYPE	THICKNESS
FLOOR 1	TYPE Concrete	THICKNESS 4"
WALLS	TYPE Stucco	THICKNESS
ROOF MATERIAL	TYPE C. Asbestos	THICKNESS
TRUSS	TYPE Steel	SPAN
CRANES NO. —	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

NAME OF PLANT		
TYPE OF INDUSTRY		
CITY	TARGET NO. 137	BLDG. NO. 8
LAT. LONG	AREA	
INTEL. SUBJECT NUMBER		DATE
PHOTOGRAPHY		ROLL - NEG NUMBER
INTERIOR	EXTERIOR	
STRUCT. DETAIL	NO. OF EXPOSURES	

TEAM

DAMAGE ASSESMENT

DESTROYED

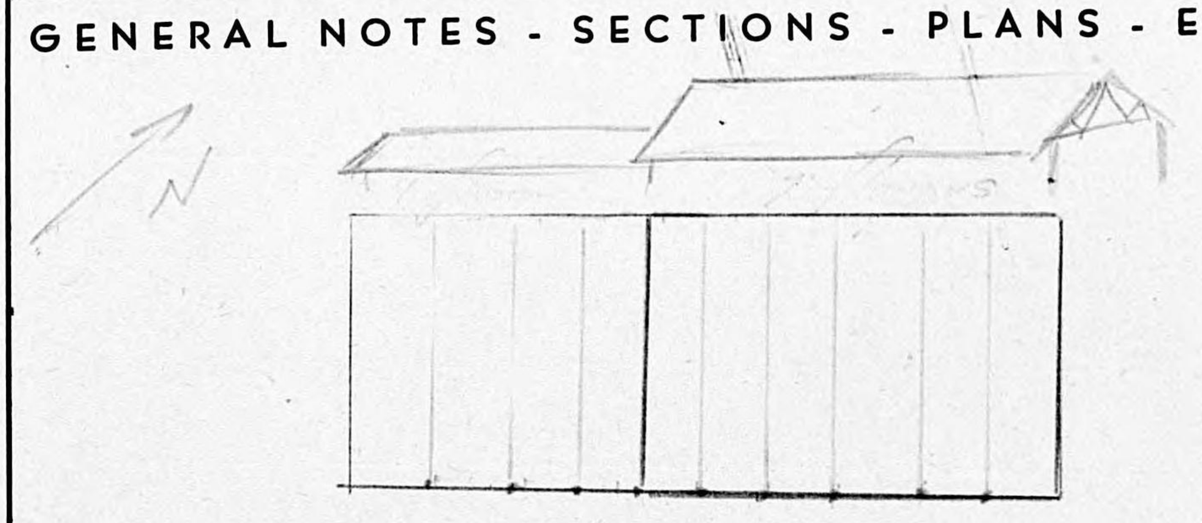
STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



BLDG. NUMBER

8

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION
WATER DISTILLATION BLDG.
AIR COMPRESSOR

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS

FLOOR	TYPE	THICKNESS
CONCRETE		
FLOOR	TYPE	THICKNESS

WALLS	TYPE	THICKNESS
CONCRETE	PANELS	

ROOF MATERIAL	TYPE	THICKNESS
	~~SHEET METAL~~	

TRUSS	TYPE	SPAN
STEEL		

CRANES NO.	TYPE	LOAD CAPACITY
NONE		

MACHINERY REMOVED TO — REASON

REPAIRS AND CLEARANCES

NEW CONSTRUCTION

NAME OF PLANT	SHOWA NITROGEN FERTILER
TYPE OF INDUSTRY	CHEMICAL
CITY	KAWASAKI
TARGET NO.	137
BLDG. NO.	8
LAT.	
LONG	
AREA	9
INTEL. SUBJECT NUMBER	
DATE	25 NOV.
PHOTOGRAPHY	
ROLL - NEG NUMBER	
INTERIOR	
EXTERIOR	
STRUCT. DETAIL	
NO. OF EXPOSURES	

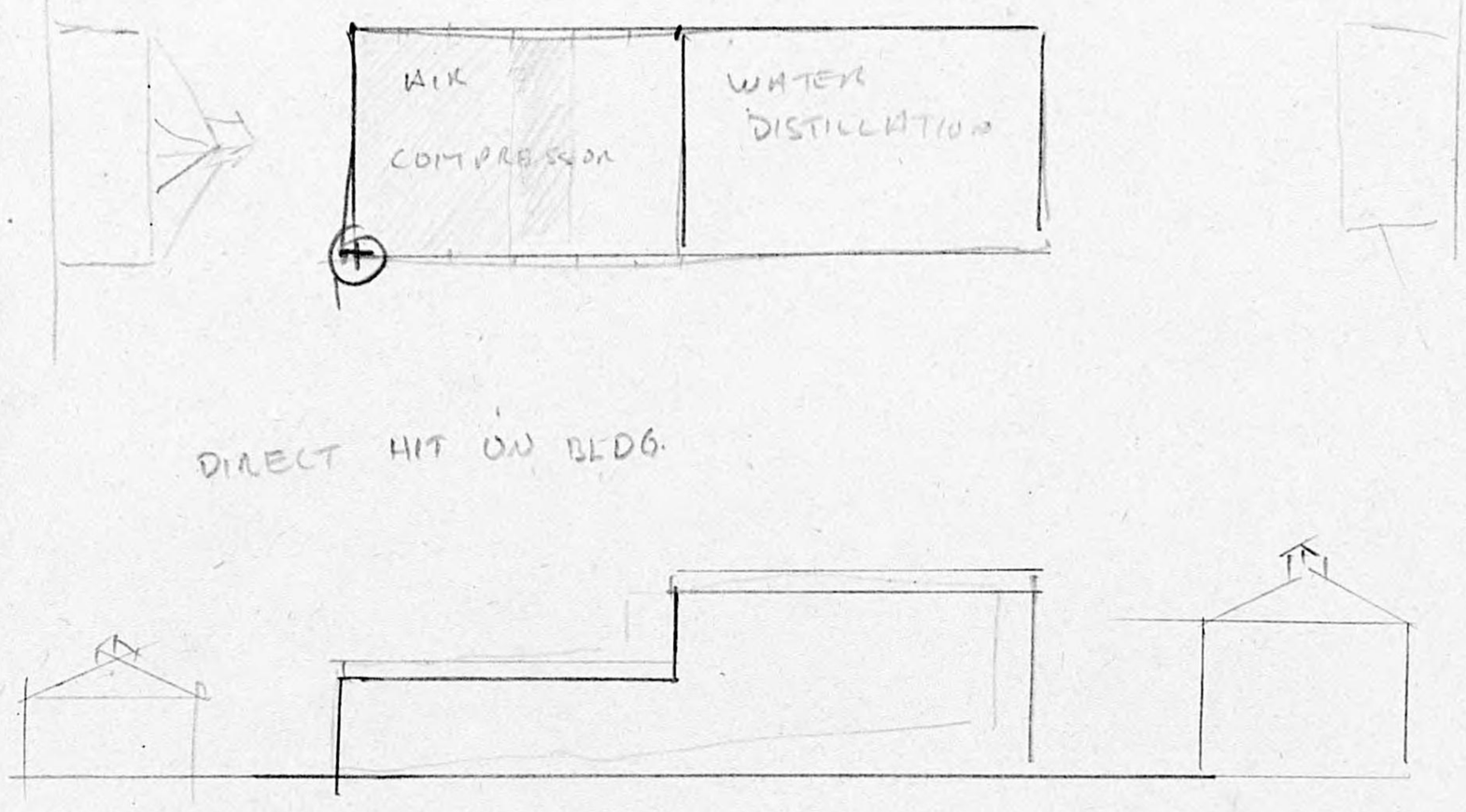
TEAM
MALLON
SHEPHERD

DAMAGE ASSESMENT

DESTROYED [X]
STRUCTURAL DAMAGE [ ]
SUPERFICIAL DAMAGE [ ]
ROOF DISTURBANCE
MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -

ALL ROOF REMOVED BY BLAST.
ASPHALT OVER WOOD.



DIRECT HIT ON BLDG.

BLDG. NUMBER
8

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION	NAME OF PLANT		
	TYPE OF INDUSTRY		
	CITY	TARGET NO. 137	BLDG. NO. 9a,b,c,&d
	LAT. LONG	AREA	
	INTEL. SUBJECT NUMBER		DATE
	PHOTOGRAPHY		ROLL - NEG NUMBER
	INTERIOR	EXTERIOR	
	STRUCT. DETAIL	NO. OF EXPOSURES	

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
12" Concrete		
FLOOR	TYPE	THICKNESS
—		
WALLS	TYPE	THICKNESS
b,c &d — 5' high, 12" Concrete, C. Asbestos		
ROOF MATERIAL	TYPE	THICKNESS
C. Asbestos		
TRUSS	TYPE	SPAN
Steel		
CRANES NO.	TYPE	LOAD CAPACITY
—		
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

TEAM

DAMAGE ASSESMENT

DESTROYED

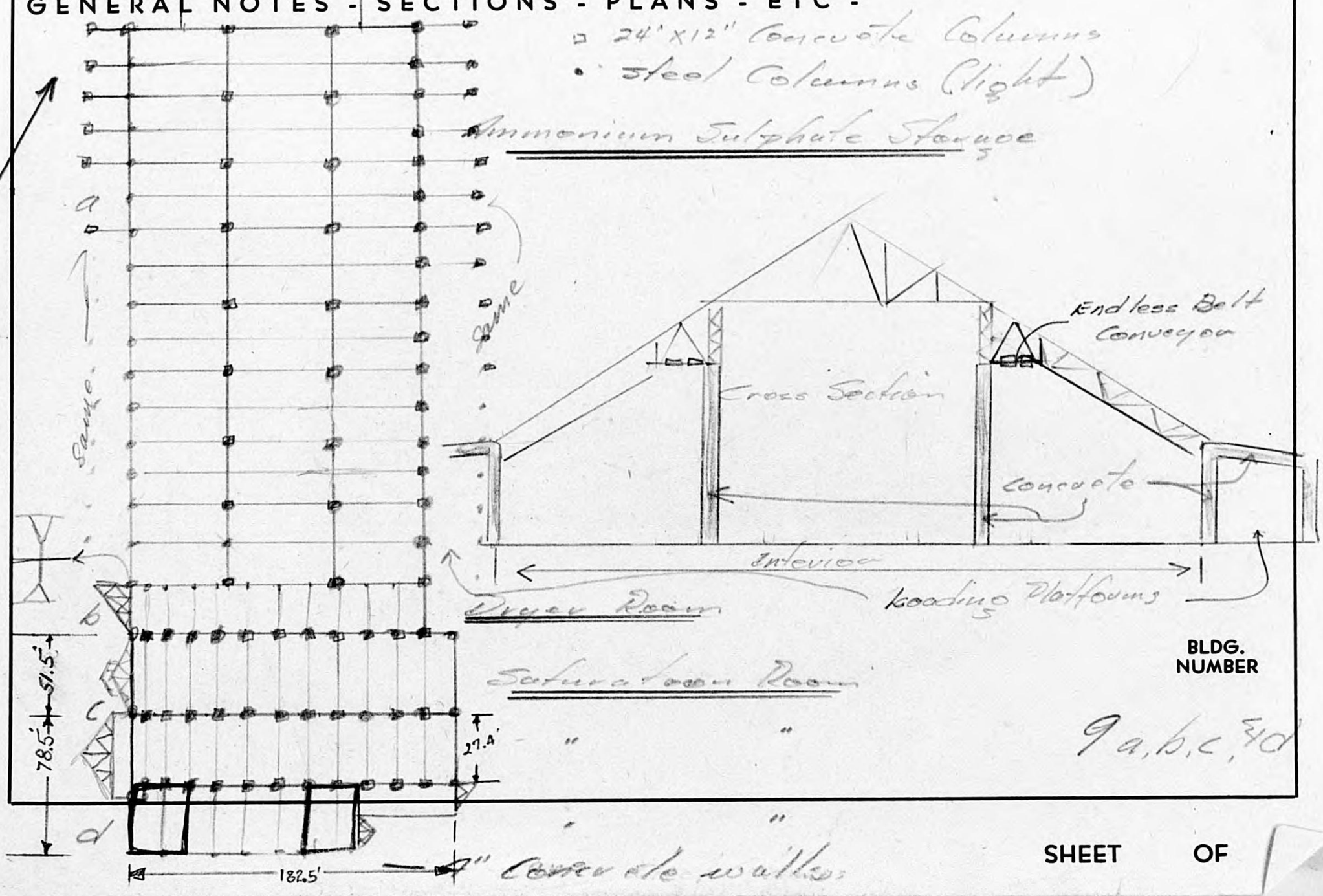
STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SHED - SECTIONS - PLANS - ETC -



BLDG. NUMBER 9a,b,c,&d

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION
AMMONIUM SULFATE STORAGE

NAME OF PLANT
SHOWA NITROGEN FERTILIZER CO.

TYPE OF INDUSTRY
CHEMICAL

CITY KAWASAKI **TARGET NO.** 137 **BLDG. NO.** 9

LAT. **LONG** **AREA** 90.17

INTEL. SUBJECT NUMBER UX-66 **DATE** 25 NOV.

PHOTOGRAPHY **ROLL - NEG. NUMBER**

INTERIOR **EXTERIOR**

STRUCT. DETAIL **NO. OF EXPOSURES**

TEAM
MALLON
SHEPHERD

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS

FLOOR	TYPE	THICKNESS
CONCRETE		

FLOOR	TYPE	THICKNESS

WALLS	TYPE	THICKNESS

ROOF MATERIAL	TYPE	THICKNESS
ASBESTOS	-SHEATHING	

TRUSS	TYPE	SPAN
STEEL		

CRANES NO.	TYPE	LOAD CAPACITY
NONE		

MACHINERY REMOVED TO	REASON

REPAIRS AND CLEARANCES

NEW CONSTRUCTION

DAMAGE ASSESMENT

DESTROYED

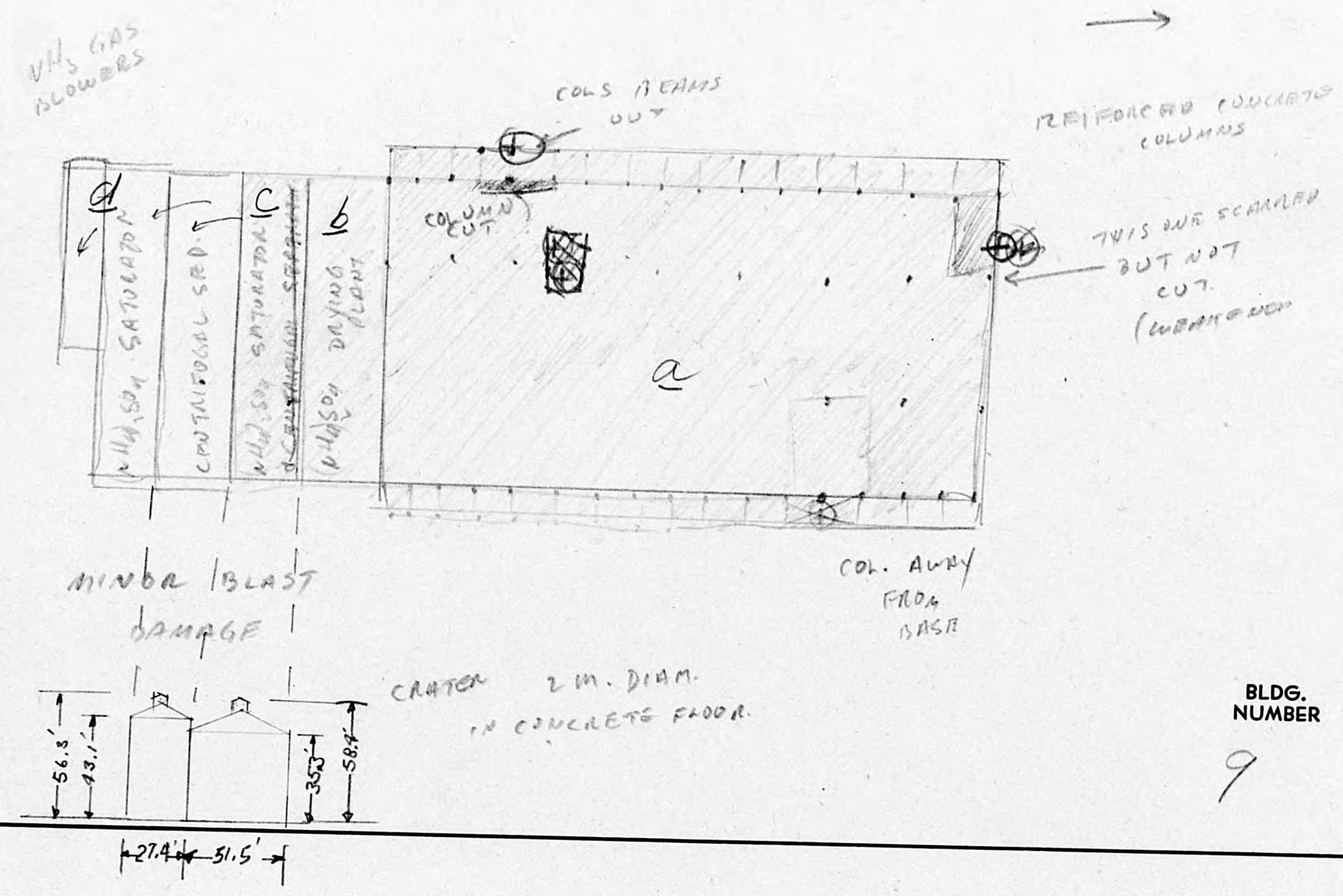
STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



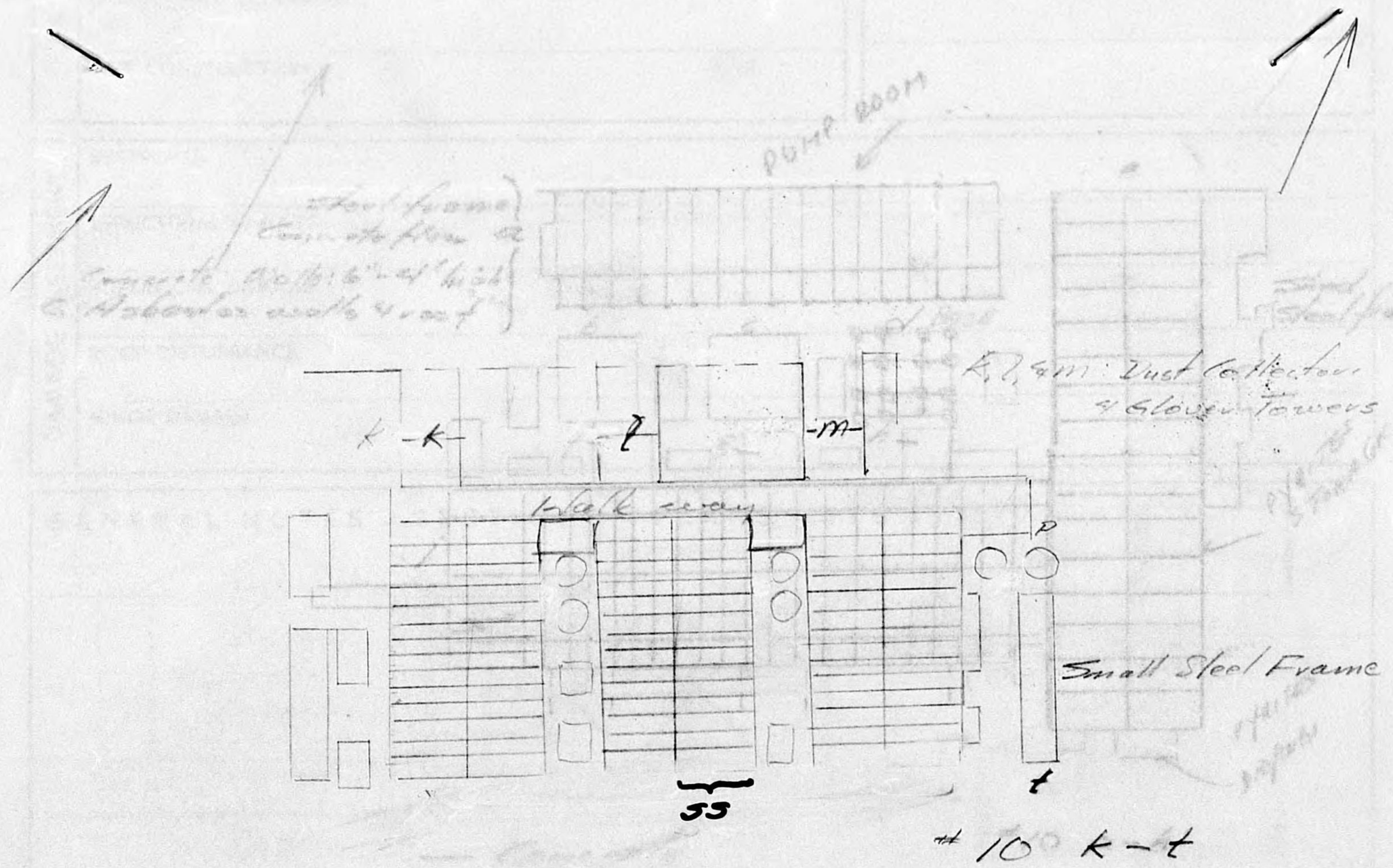
BLDG. NUMBER 9

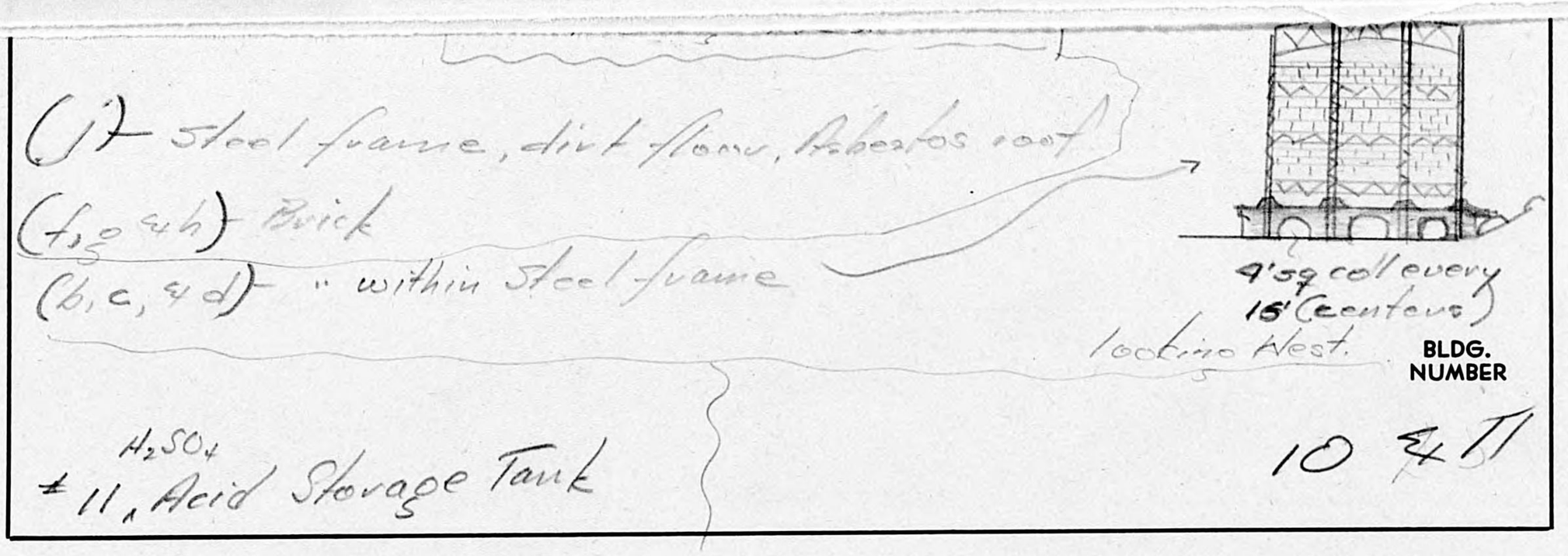
SHEET **OF**

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION			
STRUCTURAL ANALYSIS	YEAR BUILT	ORIGINAL USE	REMARKS
	FLOOR Concrete	TYPE	THICKNESS
	FLOOR	TYPE	THICKNESS
	WALLS C. Asbestos	TYPE	THICKNESS
	ROOF MATERIAL C. Asbestos	TYPE	THICKNESS
	TRUSS	TYPE	SPAN
	CRANES NO.	TYPE	LOAD CAPACITY
	MACHINERY REMOVED TO		REASON

NAME OF PLANT		
TYPE OF INDUSTRY		
CITY	TARGET NO.	BLDG. NO.
LAT. LONG	AREA	
INTEL. SUBJECT NUMBER		DATE
PHOTOGRAPHY		ROLL - NEG NUMBER
INTERIOR	EXTERIOR	
STRUCT. DETAIL	NO. OF EXPOSURES	
TEAM		





BLDG. NUMBER

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

PYRITES STORAGE & DRYING.

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

NAME OF PLANT	SHOWA FERTILIZER CO.
TYPE OF INDUSTRY	CHEMICAL
CITY	KAWASAKI
TARGET NO.	137
BLDG. NO.	10
LAT. LONG	
AREA	9017
INTEL. SUBJECT NUMBER	UX66
DATE	28 NOV.
PHOTOGRAPHY	
ROLL - NEG NUMBER	
INTERIOR	
EXTERIOR	
STRUCT. DETAIL	
NO. OF EXPOSURES	

TEAM

DAMAGE ASSESMENT

DESTROYED

STRUCTURAL DAMAGE

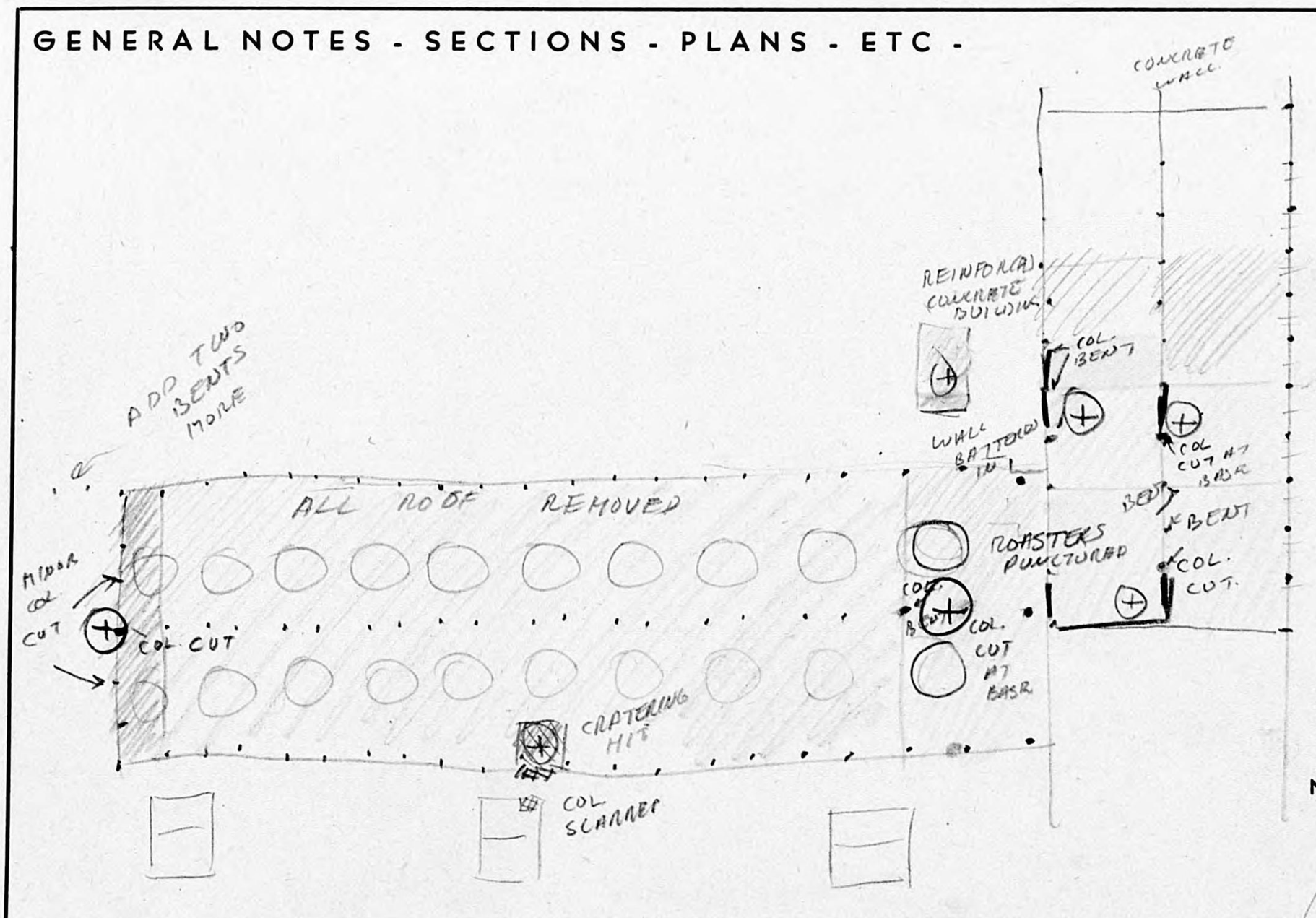
SUPERFICIAL DAMAGE

ROOF DISTURBANCE

~~MINOR DAMAGE~~

ROOF OFF

GENERAL NOTES - SECTIONS - PLANS - ETC -



BLDG. NUMBER

10

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION
SULFURIC ACID PLANT
LEAD CHAMBERS

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

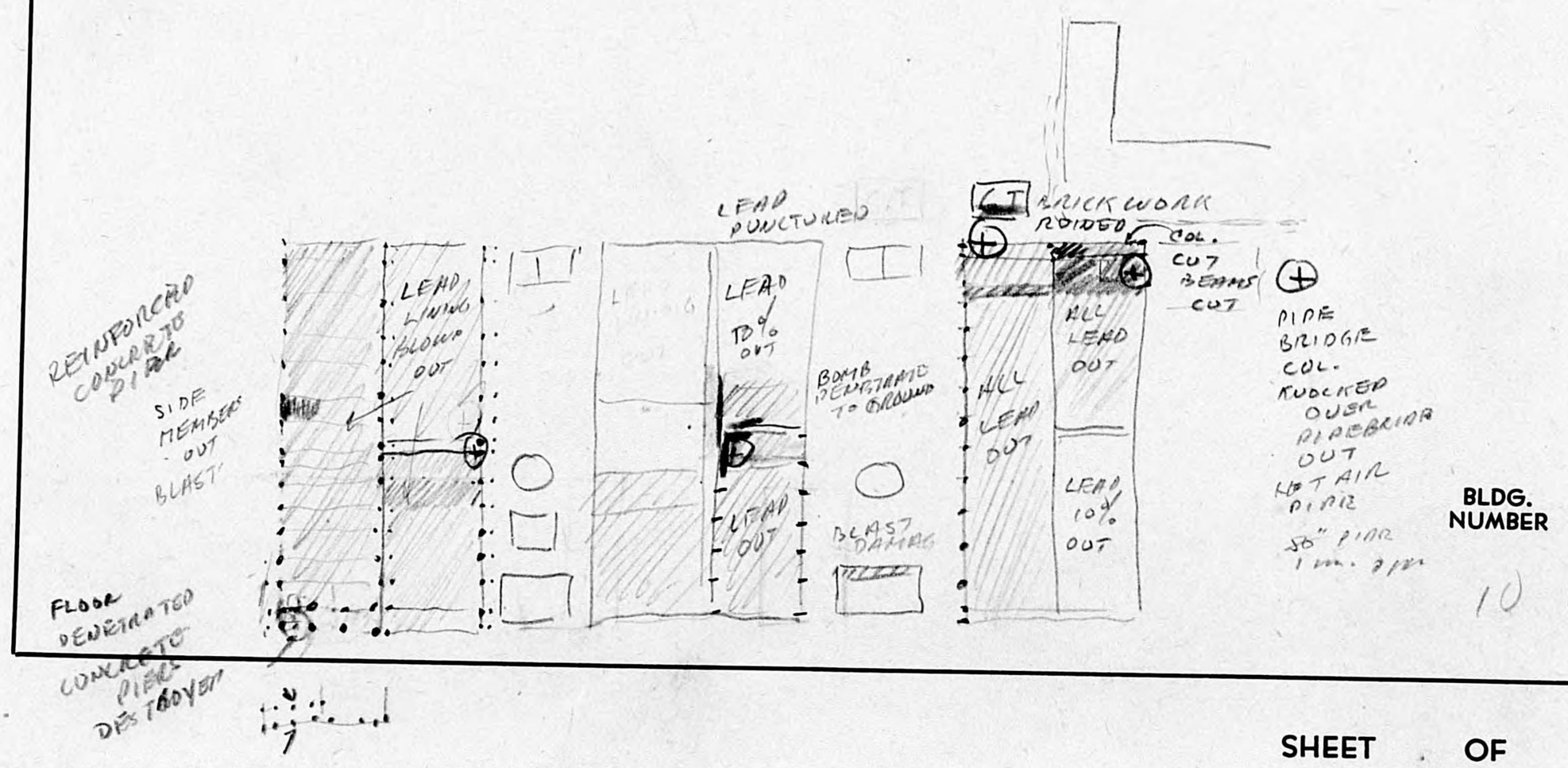
NAME OF PLANT	SHOWA FERTILIZER CO.
TYPE OF INDUSTRY	CHEMICAL
CITY	KAWASAKI
TARGET NO.	137
BLDG. NO.	10
LAT.	
LONG	
AREA	90.17
INTEL. SUBJECT NUMBER	UX66
DATE	28 Nov.
PHOTOGRAPHY	
INTERIOR	EXTERIOR
STRUCT. DETAIL	NO. OF EXPOSURES
ROLL - NEG NUMBER	

TEAM

DAMAGE ASSESMENT

DESTROYED	
STRUCTURAL DAMAGE	
SUPERFICIAL DAMAGE	
ROOF DISTURBANCE	
MINOR DAMAGE	

GENERAL NOTES - SECTIONS - PLANS - ETC -



BLDG. NUMBER
10

SHEET . OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

NAME OF PLANT		
TYPE OF INDUSTRY		
CITY	TARGET NO.	BLDG. NO.
LAT.	LONG AREA	
INTEL. SUBJECT NUMBER		DATE
PHOTOGRAPHY		ROLL - NEG NUMBER
INTERIOR	EXTERIOR	
STRUCT. DETAIL	NO. OF EXPOSURES	

TEAM

DAMAGE ASSESMENT

DESTROYED

STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -

BLDG. NUMBER

13

— Copies of Plant Plans

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION
13 - WATER ELECTROLYSIS
14 - CONVERTER ROOM

NAME OF PLANT
SHOWA NITROGEN FERTILIZER CO.

TYPE OF INDUSTRY
CHEMICAL

CITY	TARGET NO.	BLDG. NO.
KAWASAKI	137	13,14

LAT.	LONG	AREA
		90.17

INTEL. SUBJECT NUMBER	DATE
U X-66	25 NOV.

PHOTOGRAPHY — ROLL - NEG NUMBER

INTERIOR — EXTERIOR

STRUCT. DETAIL — NO. OF EXPOSURES

TEAM
MALLON
SHEPHERD

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS

FLOOR	TYPE	THICKNESS
	CONCRETE	

FLOOR	TYPE	THICKNESS
4	CONCRETE	7"

WALLS	TYPE	THICKNESS
—	SHEET METAL.	

ROOF MATERIAL	TYPE	THICKNESS
	ASBESTOS	SHEATHING.

TRUSS	TYPE	SPAN
	STEEL	

CRANES NO.	TYPE	LOAD CAPACITY
11	GANTRY	3T CRANE (1000 KG.)

MACHINERY REMOVED TO — REASON

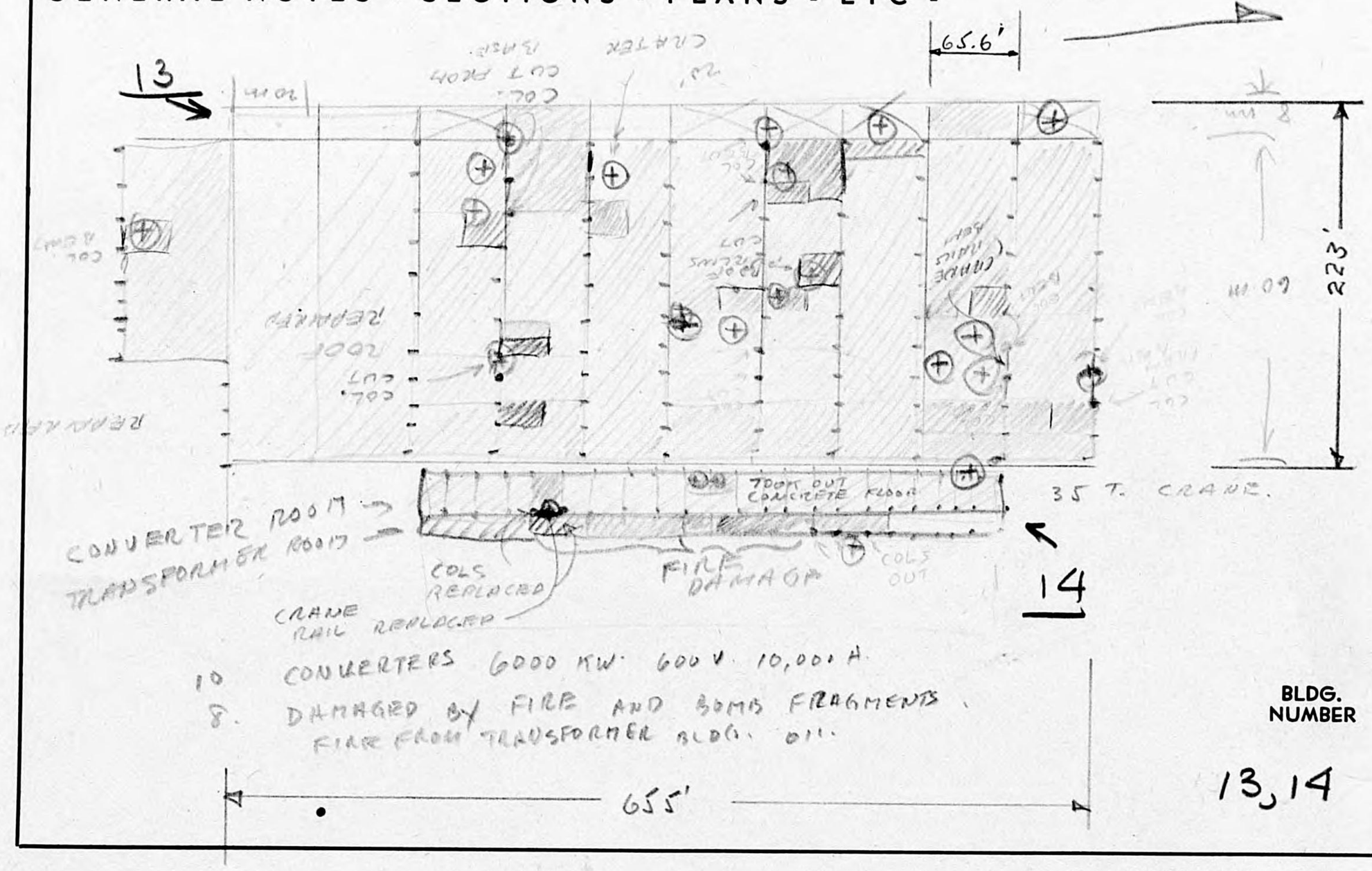
REPAIRS AND CLEARANCES

NEW CONSTRUCTION

DAMAGE ASSESMENT

DESTROYED	☒
STRUCTURAL DAMAGE	▨
SUPERFICIAL DAMAGE	▨
ROOF DISTURBANCE	
~~MINOR~~ DAMAGE	▨ (ROOF + WALLS REMOVED.

GENERAL NOTES - SECTIONS - PLANS - ETC -



10 CONVERTERS 6000 KW. 600 V. 10,000 A.
8. DAMAGED BY FIRE AND BOMB FRAGMENTS.
FIRE FROM TRANSFORMER BLDG. OIL.

BLDG. NUMBER
13,14

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

NAME OF PLANT		
TYPE OF INDUSTRY		
CITY	TARGET NO.	BLDG. NO.
LAT. LONG	AREA	
INTEL. SUBJECT NUMBER		DATE
PHOTOGRAPHY		ROLL - NEG NUMBER
INTERIOR	EXTERIOR	
STRUCT. DETAIL	NO. OF EXPOSURES	

TEAM

DAMAGE ASSESMENT

DESTROYED

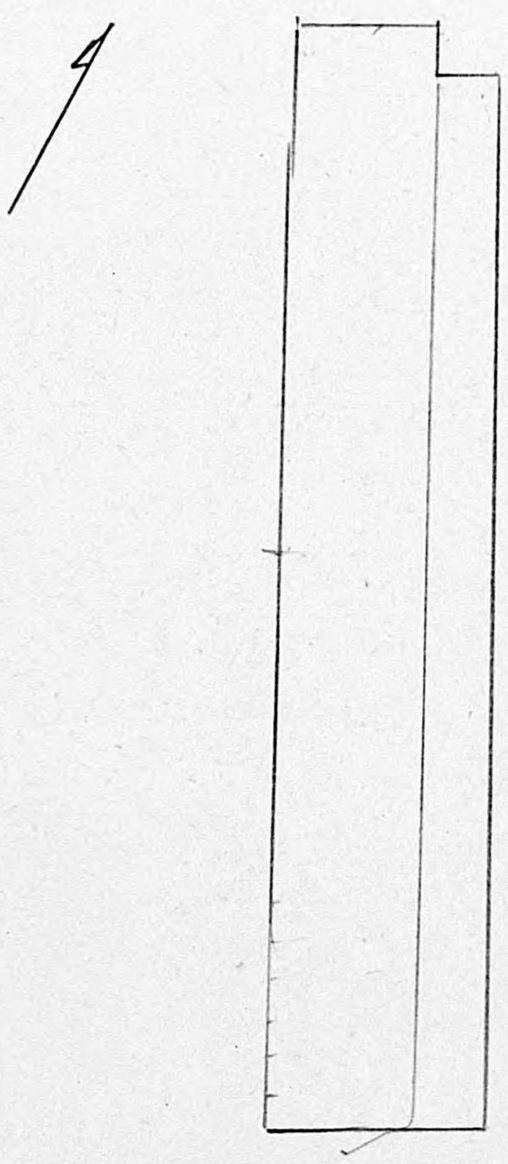
STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



BLDG. NUMBER

14

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

SULFURIC ACID TANKS

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

NAME OF PLANT: SHOWA FERTILIZER Co.		
TYPE OF INDUSTRY: CHEMICAL		
CITY: KAWASAKI	TARGET NO.: 137	BLDG. NO.: 16, 19
LAT.	LONG	AREA: 90.17
INTEL. SUBJECT NUMBER: UX66		DATE: 28 NOV.
PHOTOGRAPHY		ROLL - NEG NUMBER
INTERIOR	EXTERIOR	
STRUCT. DETAIL	NO. OF EXPOSURES	

TEAM

DAMAGE ASSESMENT

DESTROYED

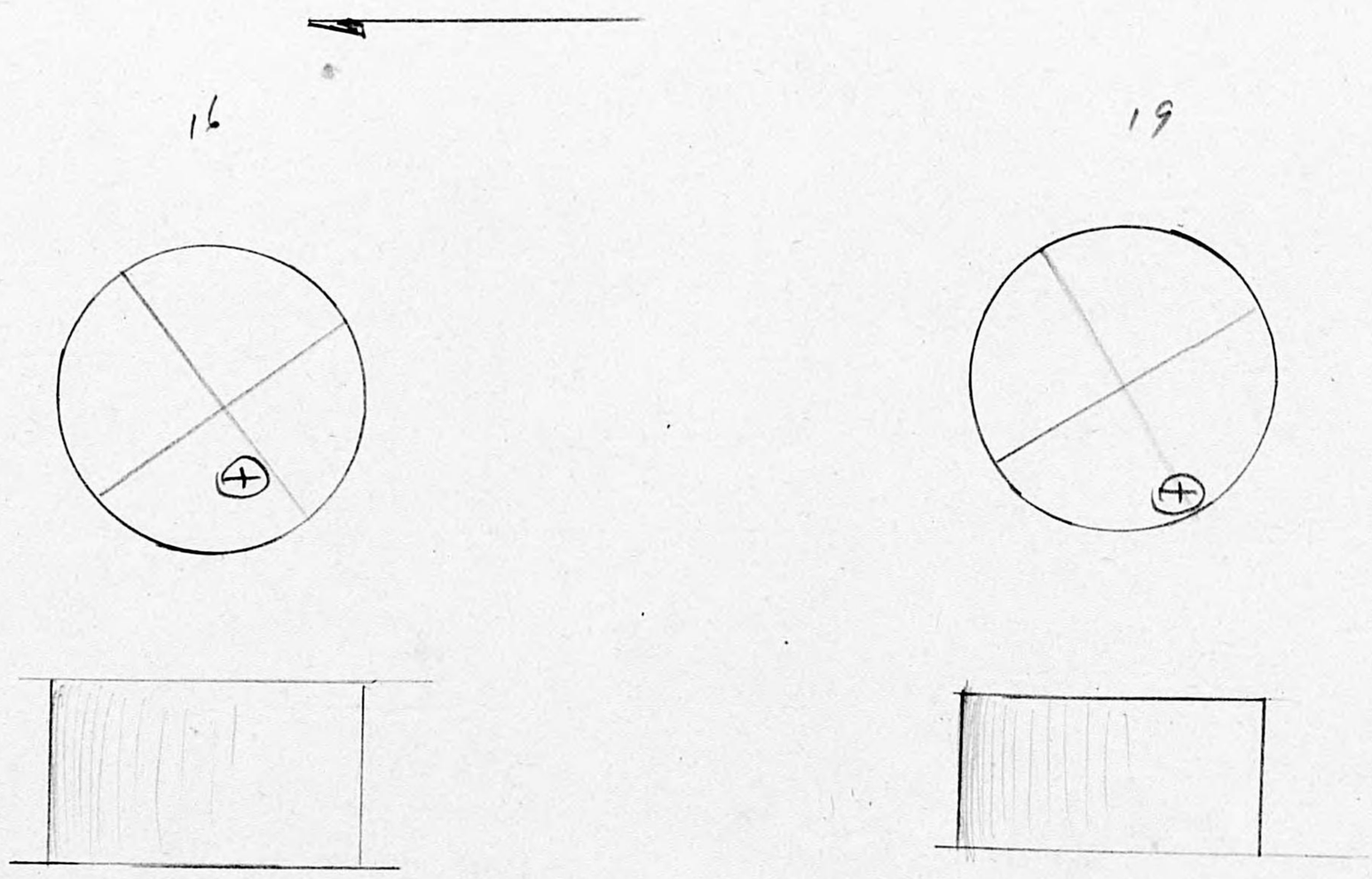
STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



BLDG. NUMBER

16, 19

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
1 - Earth		
FLOOR	TYPE	THICKNESS
—		
WALLS	TYPE	THICKNESS
C. Asbestos	(C) 8' Concrete Frame // 6" at Top & 18" at Bottom	
ROOF MATERIAL	TYPE	THICKNESS
C. Asbestos		
TRUSS	TYPE	SPAN
Steel		
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

NAME OF PLANT	
TYPE OF INDUSTRY	
CITY	TARGET NO. 137 / BLDG. NO. 25
LAT. LONG	AREA
INTEL. SUBJECT NUMBER	DATE
PHOTOGRAPHY	ROLL - NEG NUMBER
INTERIOR	EXTERIOR
STRUCT. DETAIL	NO. OF EXPOSURES

TEAM

DAMAGE ASSESMENT

DESTROYED

STRUCTURAL DAMAGE

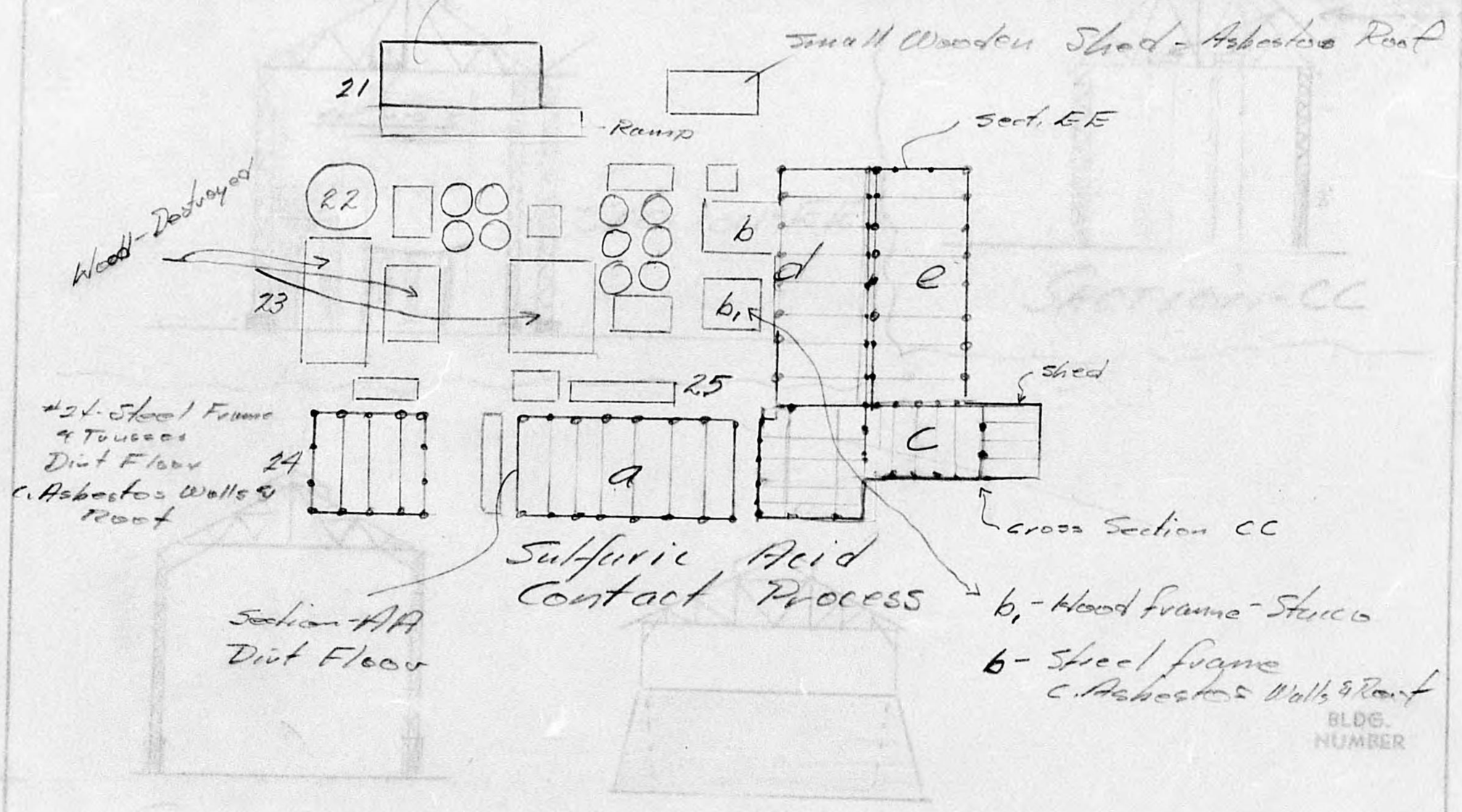
SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

#21 Wood Construction - Asbestos Roof
Concrete Walls 10' high, 12"-30" Wide
Silo

GENERAL NOTES - SECTIONS - PLANS - ETC.



SECTION-HH.

#21 THRU. #25

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

NAME OF PLANT	SHOWA FERTILIZER Co.
TYPE OF INDUSTRY	CHEMICAL
CITY	KAWASAKI
TARGET NO.	137
BLDG. NO.	24
LAT.	
LONG	
AREA	90.17
INTEL. SUBJECT NUMBER	U466
DATE	28 Nov
PHOTOGRAPHY	
ROLL - NEG NUMBER	
INTERIOR	
EXTERIOR	
STRUCT. DETAIL	
NO. OF EXPOSURES	

FUNCTION

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

TEAM

DAMAGE ASSESMENT

DESTROYED

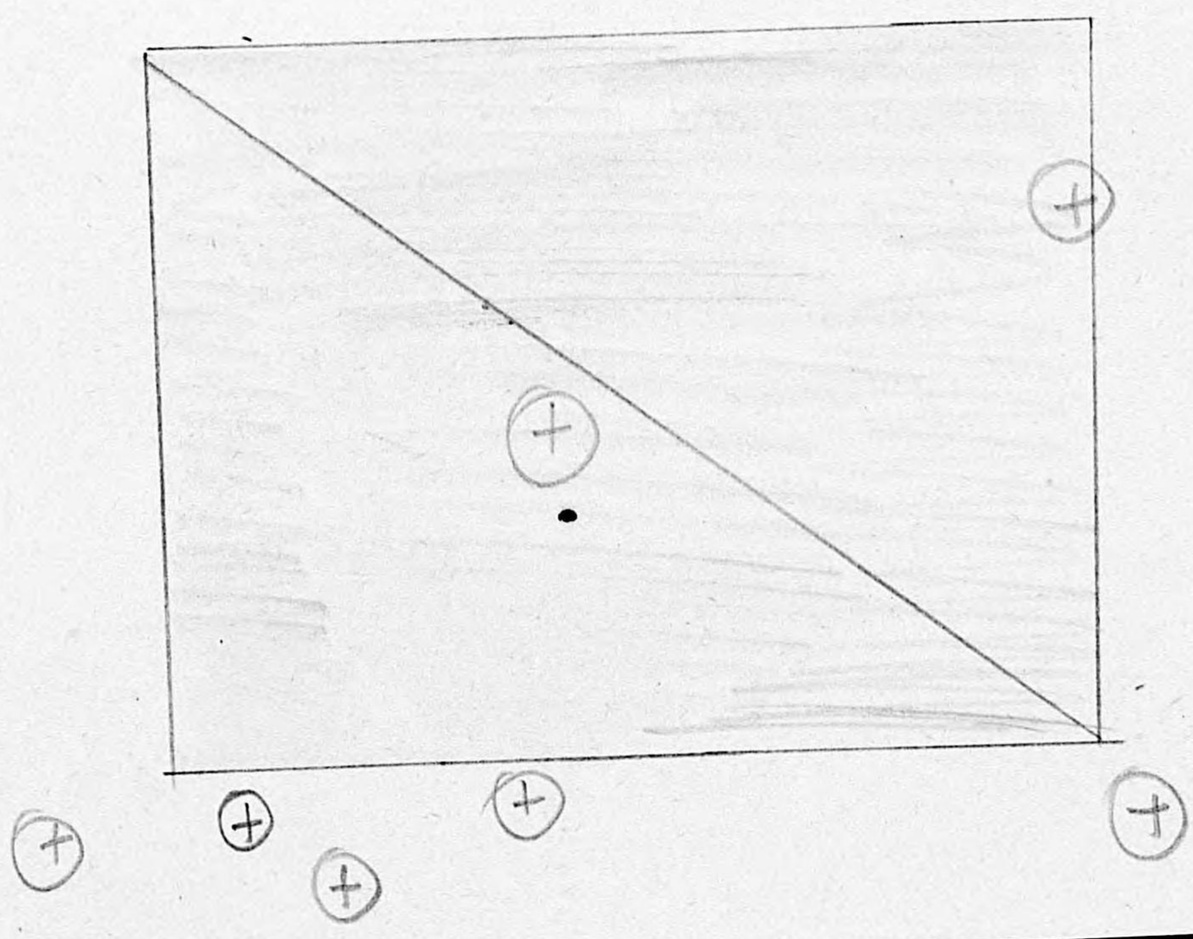
STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



BUILDING SUFFERED 100% STRUCTURAL DAMAGE.

BLDG. NUMBER 24

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

NAME OF PLANT: SHOWA FERTILIZER Co.	
TYPE OF INDUSTRY: CHEMICAL	
CITY: KAWASAKI	TARGET NO.: 137
BLDG. NO.: 25	
LAT.	LONG
AREA: 90.17	
INTEL. SUBJECT NUMBER: U X66	DATE: 28 Nov
PHOTOGRAPHY	ROLL - NEG NUMBER
INTERIOR	EXTERIOR
STRUCT. DETAIL	NO. OF EXPOSURES

TEAM

DAMAGE ASSESMENT

DESTROYED

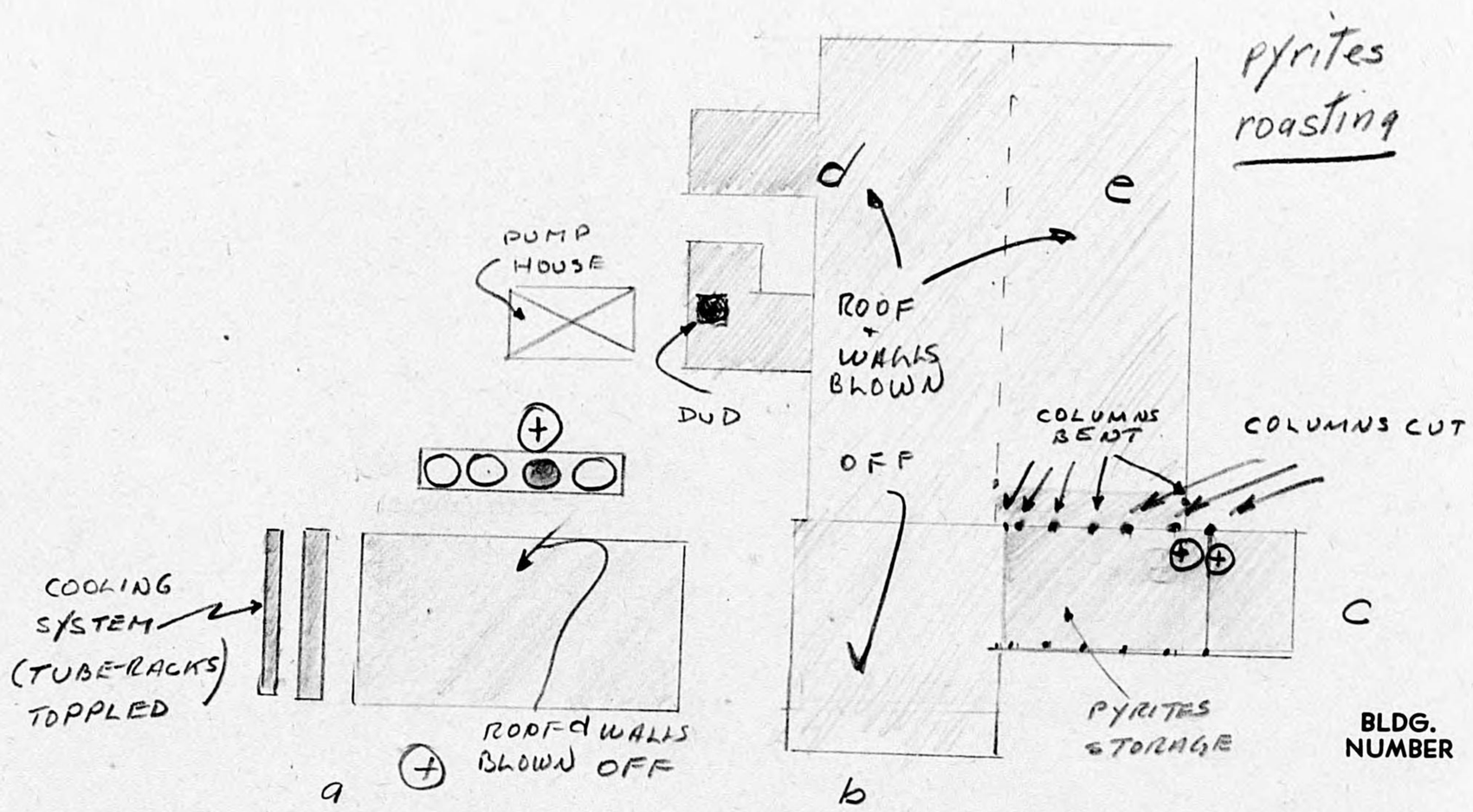
STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



BLDG. NUMBER 25

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION	NAME OF PLANT	
	TYPE OF INDUSTRY	
	CITY / TARGET NO.	BLDG. NO.
	LAT. / LONG / AREA	
	INTEL. SUBJECT NUMBER	DATE
	PHOTOGRAPHY	ROLL - NEG NUMBER
	INTERIOR / EXTERIOR	
	STRUCT. DETAIL / NO. OF EXPOSURES	

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR 1st	TYPE Dirt	THICKNESS
FLOOR 2nd	TYPE 4" Concrete (Heavily Reinf. under equip. — concrete & steel)	THICKNESS
WALLS C. Asbestos	TYPE	THICKNESS
ROOF MATERIAL C. Asbestos	TYPE	THICKNESS
TRUSS Steel	TYPE	SPAN 50'
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

TEAM

DAMAGE ASSESMENT

DESTROYED

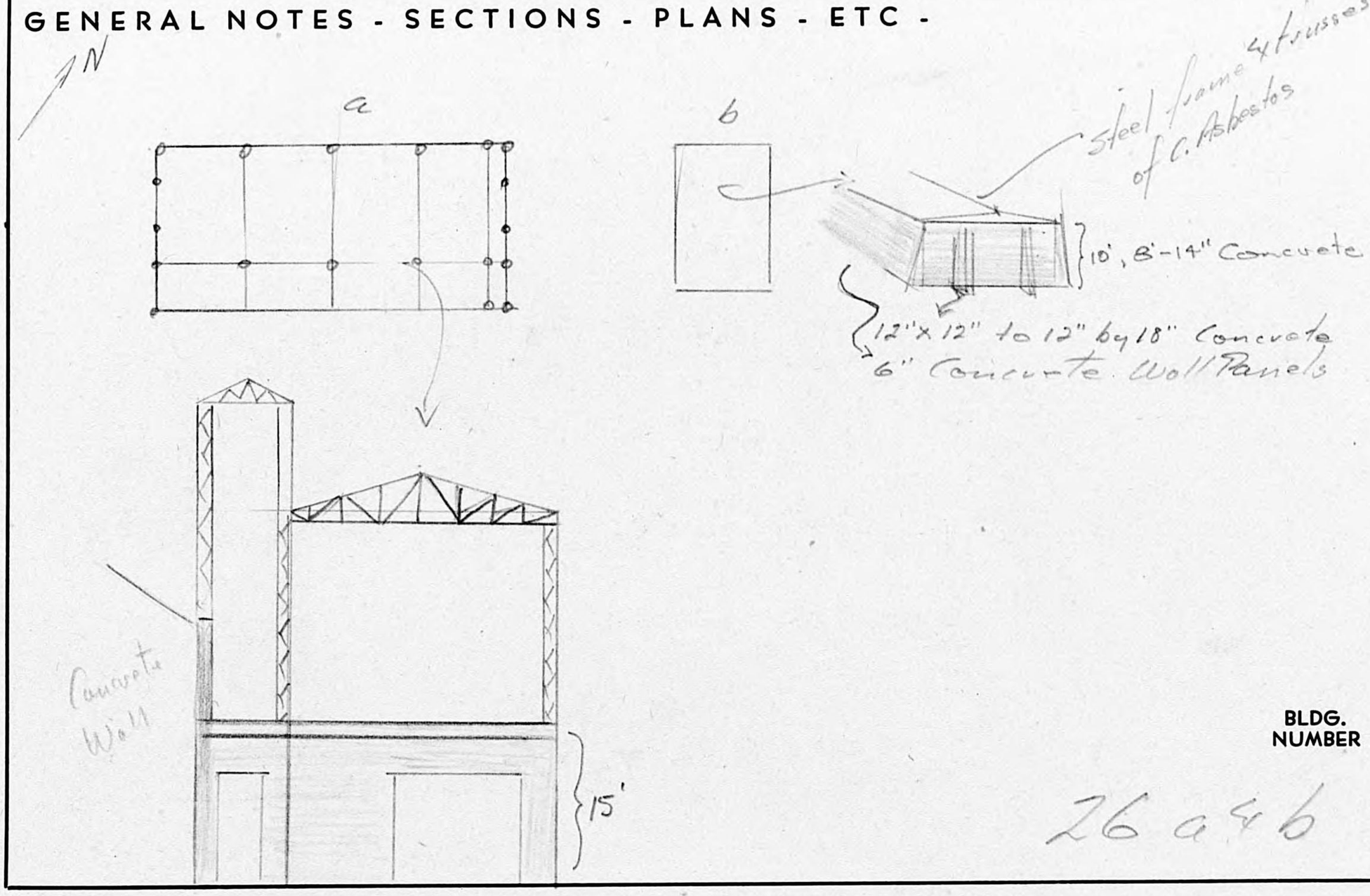
STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



BLDG. NUMBER

26 a & b

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

BOILER HOUSE

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

NAME OF PLANT

TYPE OF INDUSTRY

CITY		TARGET NO.	BLDG. NO.
LAT.	LONG	AREA	
INTEL. SUBJECT NUMBER			DATE
PHOTOGRAPHY			ROLL - NEG NUMBER
INTERIOR		EXTERIOR	
STRUCT. DETAIL		NO. OF EXPOSURES	

TEAM

DAMAGE ASSESMENT

DESTROYED ☒

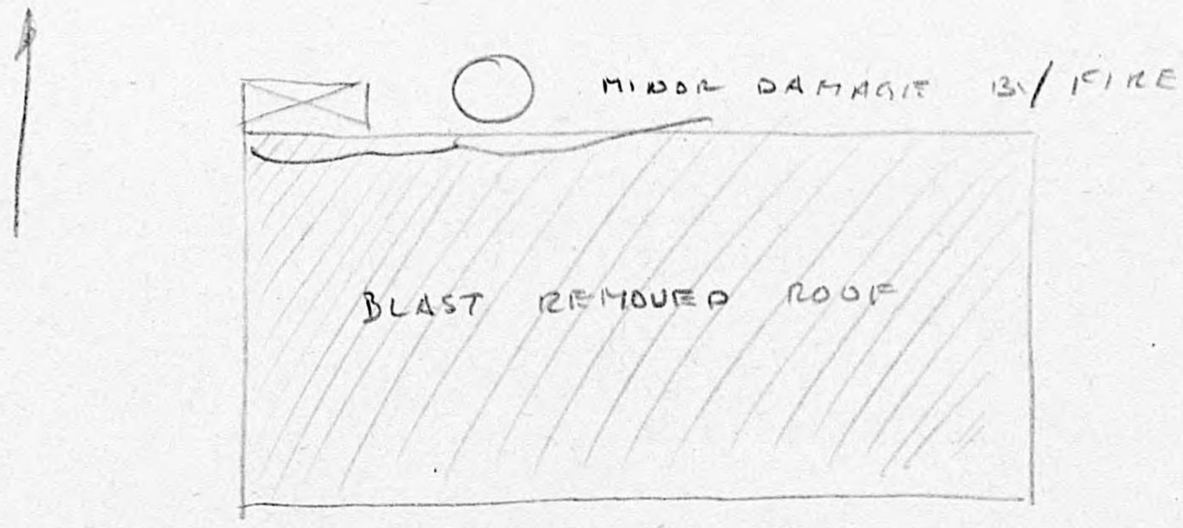
STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



BLDG. NUMBER

26.

SHEET OF

U. S. S. B. S.

DAMAGE ASSESMENT WORK SHEET

FUNCTION	NAME OF PLANT
	TYPE OF INDUSTRY
	CITY / TARGET NO. / BLDG. NO.
	LAT. / LONG / AREA
	INTEL. SUBJECT NUMBER / DATE
	PHOTOGRAPHY / ROLL - NEG NUMBER
	INTERIOR / EXTERIOR
	STRUCT. DETAIL / NO. OF EXPOSURES
	TEAM

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

DAMAGE ASSESMENT

DESTROYED

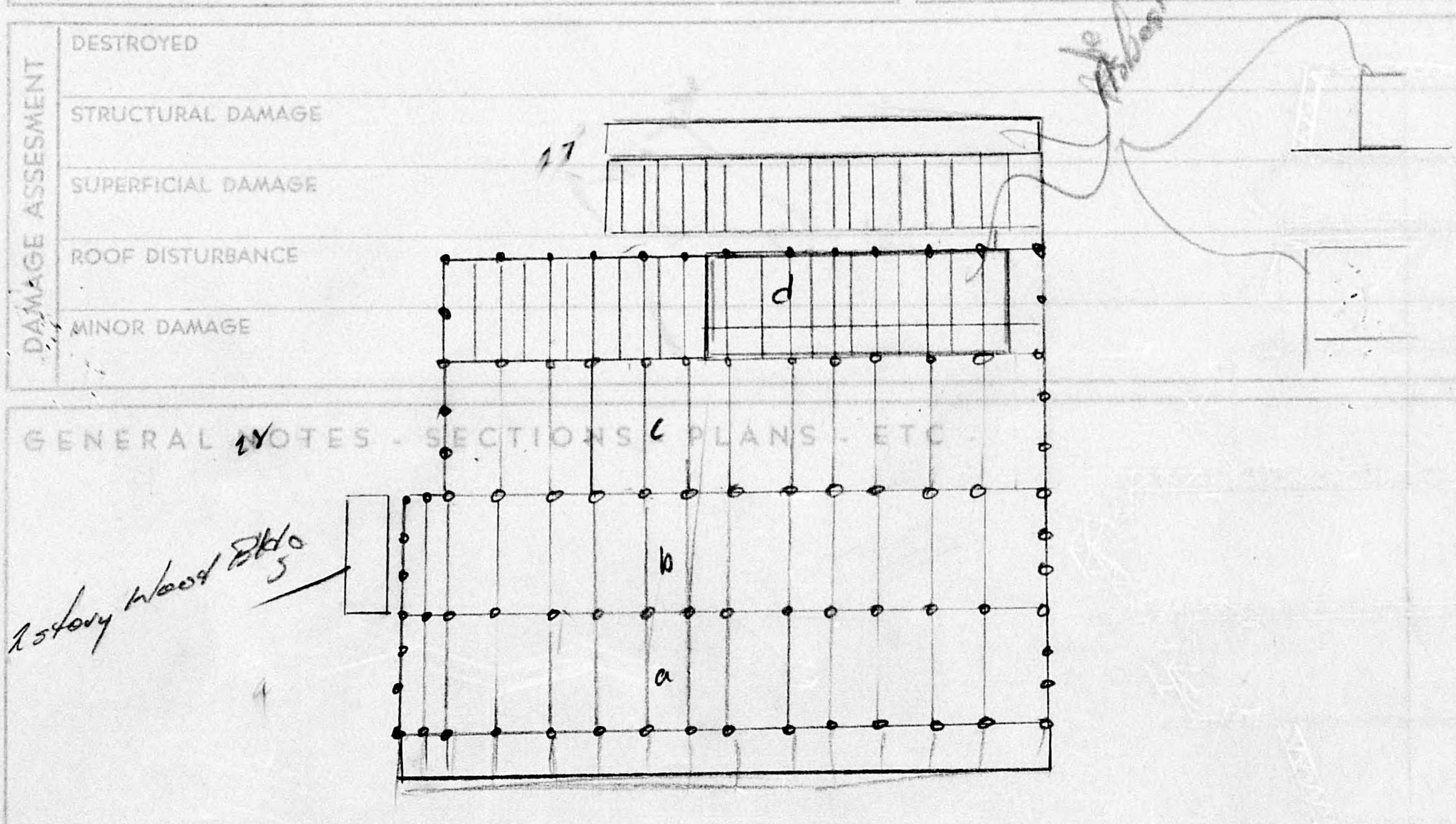
STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC.



27 & 28

BLDG. NUMBER

27 & 28

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR 1	TYPE Dirt	THICKNESS
FLOOR 2	TYPE Concrete	THICKNESS
WALLS C. Asbestos	TYPE	THICKNESS
ROOF MATERIAL C. Asbestos	TYPE	THICKNESS
TRUSS Steel	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

NAME OF PLANT		
TYPE OF INDUSTRY		
CITY	TARGET NO.	BLDG. NO.
LAT. LONG	AREA	
INTEL. SUBJECT NUMBER		DATE
PHOTOGRAPHY		ROLL - NEG NUMBER
INTERIOR	EXTERIOR	
STRUCT. DETAIL	NO. OF EXPOSURES	

TEAM

DAMAGE ASSESMENT

DESTROYED

STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

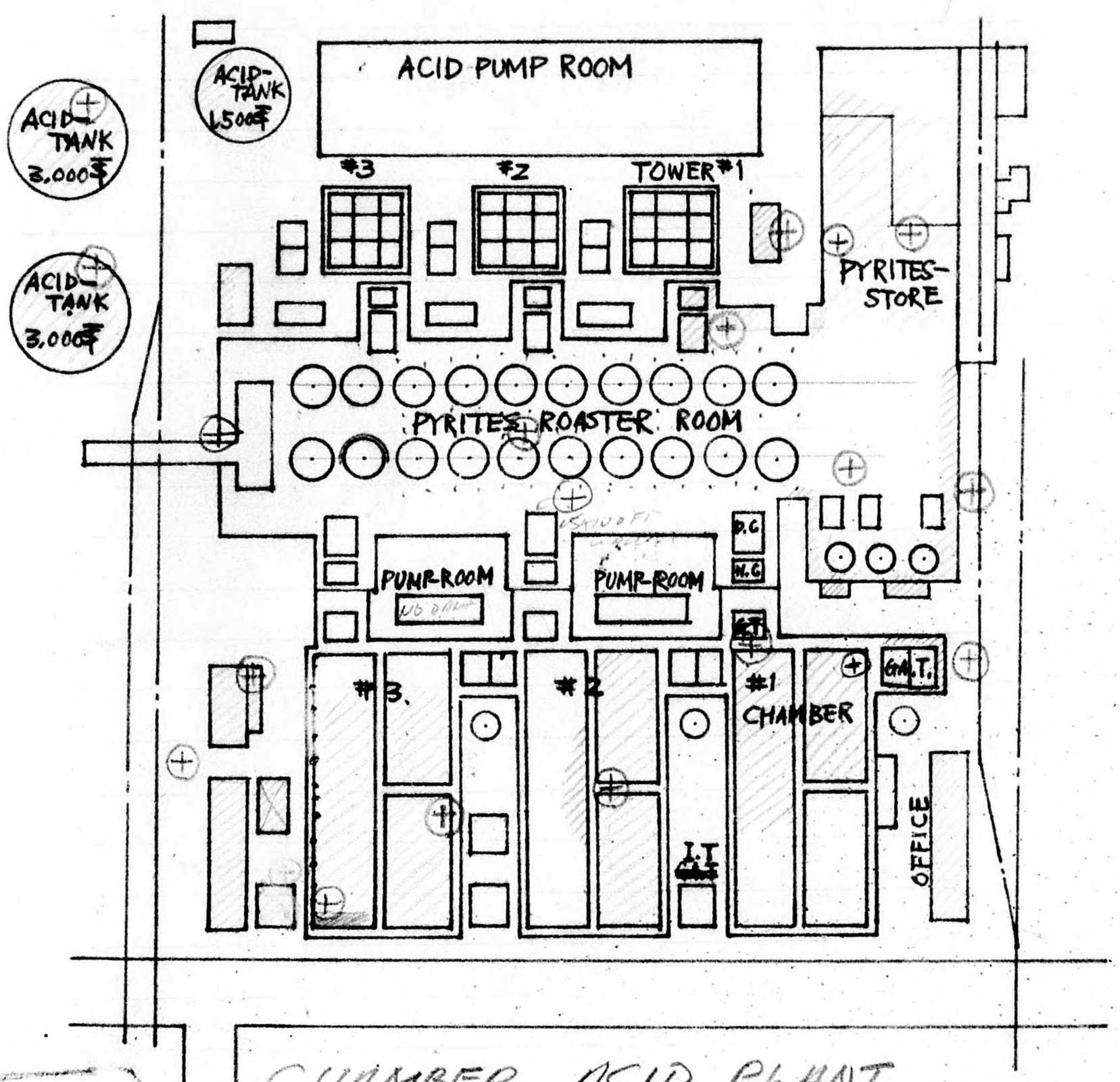
MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -

BLDG. NUMBER

27928

SHEET OF



CHAMBER ACID PLANT
BUILDING #10

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION
AMMONIA SYNTHESIS #2

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR CONCRETE	TYPE	THICKNESS 11" (MACHINE FLOOR)
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

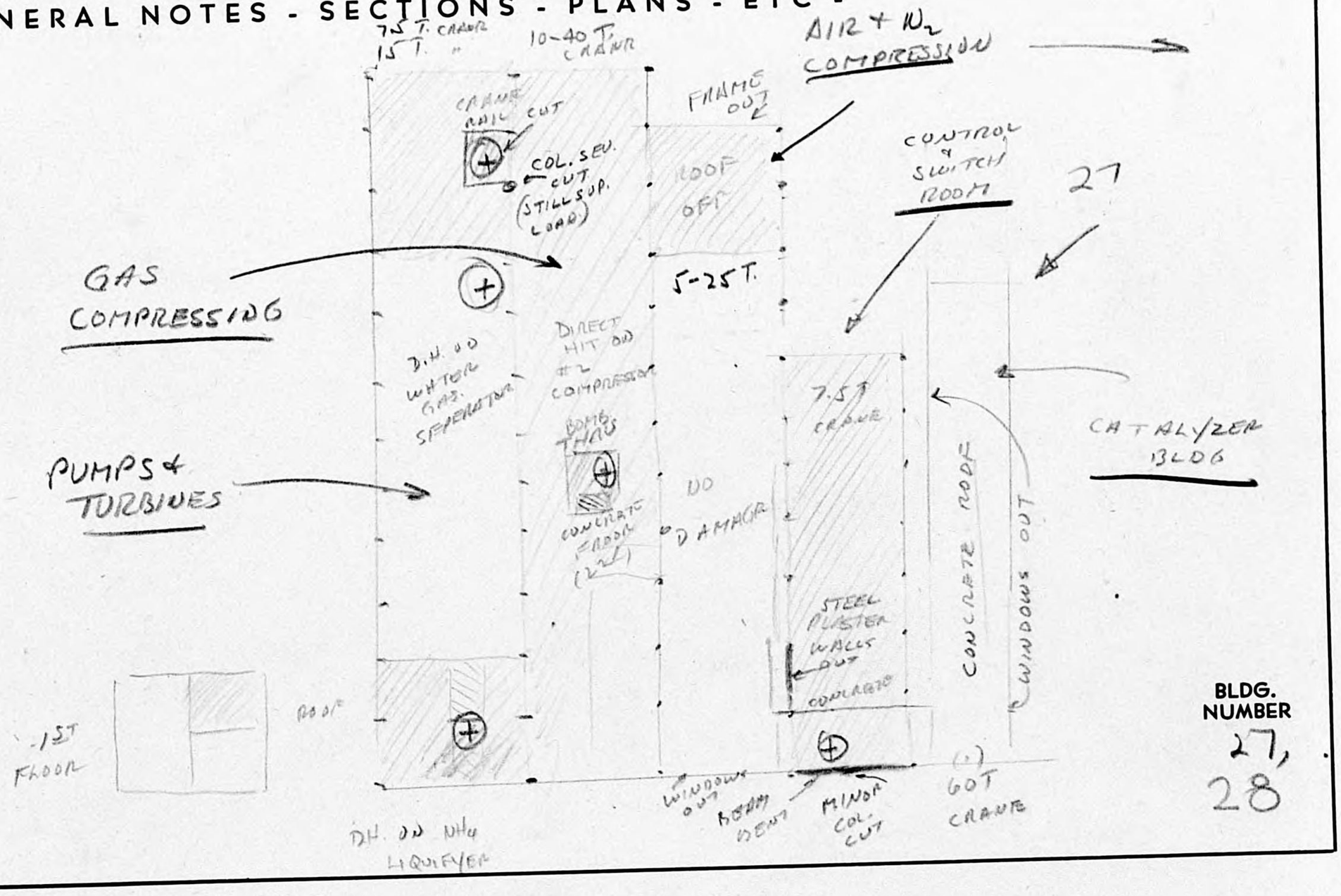
NAME OF PLANT	SHOWA FERTILIZER CO.
TYPE OF INDUSTRY	CHEMICAL
CITY	KAWASAKI
TARGET NO.	137
BLDG. NO.	27, 28
LAT.	
LONG	
AREA	90.17
INTEL. SUBJECT NUMBER	U466
DATE	28 NOV
PHOTOGRAPHY	
ROLL - NEG NUMBER	
INTERIOR	
EXTERIOR	
STRUCT. DETAIL	
NO. OF EXPOSURES	

TEAM

DAMAGE ASSESMENT

DESTROYED	
STRUCTURAL DAMAGE	
SUPERFICIAL DAMAGE	
ROOF DISTURBANCE	
MINOR DAMAGE	(ROOF OFF)

GENERAL NOTES - SECTIONS - PLANS - ETC -



BLDG. NUMBER 27, 28

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

NAME OF PLANT		
TYPE OF INDUSTRY		
CITY	TARGET NO.	BLDG. NO. 29
LAT.	LONG AREA	
INTEL. SUBJECT NUMBER		DATE
PHOTOGRAPHY		ROLL - NEG NUMBER
INTERIOR	EXTERIOR	
STRUCT. DETAIL	NO. OF EXPOSURES	

TEAM

DAMAGE ASSESMENT

DESTROYED

STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -

#29b – Wave house 12' Hight x 30' wide
Wood frame & Trusses
Floor - 8" Concrete
Walls - c. Asbestos
Roof - " "

pump house

#29a Concrete Water Reservoir (Open)
Small Steel Frame Pump House
Asbestos Roof & Walls

BLDG. NUMBER

29 a&b

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION			
STRUCTURAL ANALYSIS	YEAR BUILT	ORIGINAL USE	REMARKS
	FLOOR	TYPE	THICKNESS
	1- Earth		
	FLOOR	TYPE	THICKNESS
	—		
	WALLS	TYPE	THICKNESS
	C. Asbestos		
	ROOF MATERIAL	TYPE	THICKNESS
	C. Asbestos		
	TRUSS	TYPE	SPAN
	CRANES NO.	TYPE	LOAD CAPACITY
	MACHINERY REMOVED TO		REASON
	REPAIRS AND CLEARANCES		
	NEW CONSTRUCTION		

NAME OF PLANT		
TYPE OF INDUSTRY		
CITY	TARGET NO.	BLDG. NO. 32
LAT. LONG	AREA	
INTEL. SUBJECT NUMBER		DATE
PHOTOGRAPHY		ROLL - NEG NUMBER
INTERIOR	EXTERIOR	
STRUCT. DETAIL	NO. OF EXPOSURES	

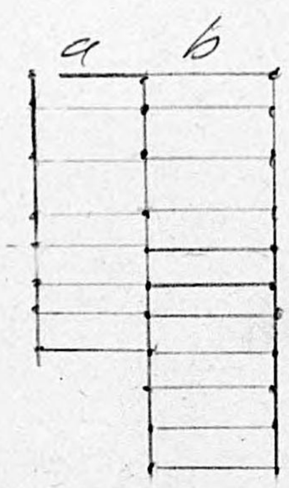
TEAM

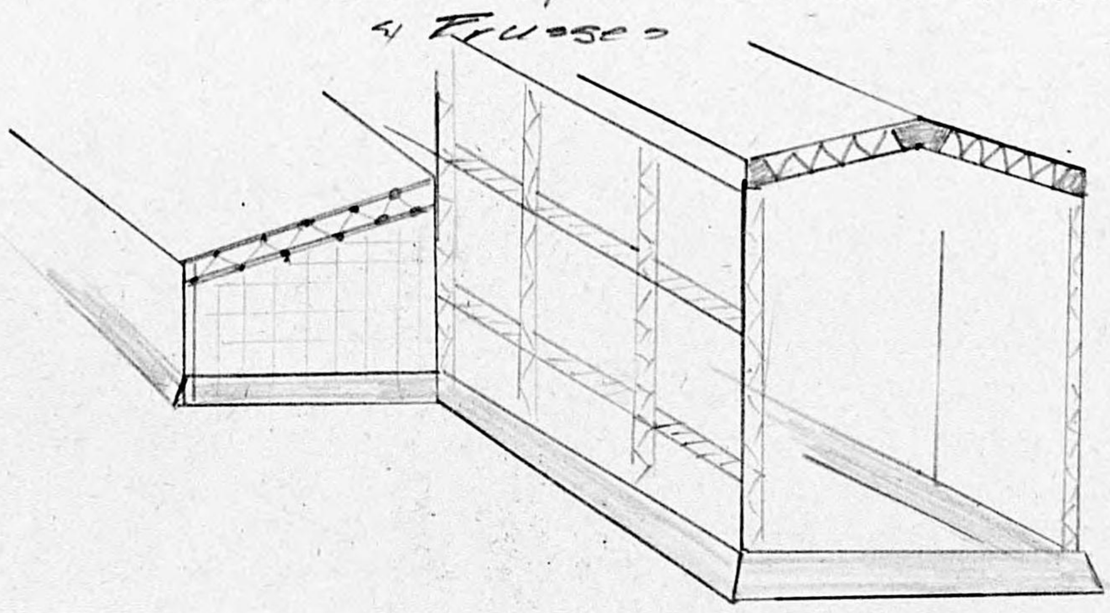
DAMAGE ASSESMENT	
	DESTROYED
	STRUCTURAL DAMAGE
	SUPERFICIAL DAMAGE
	ROOF DISTURBANCE
	MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -

#31 — Small, Wood Truss & frame bldg. - Asbestos Walls & Roof

#32 a - Shed of wood construction & Frames





BLDG. NUMBER

31, 32

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION
SODIUM HYDROXIDE STORAGE

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

NAME OF PLANT: SHOWA FERTILIZER CO.
TYPE OF INDUSTRY: CHEMICAL
CITY: KAWASAKI
TARGET NO.: 137
BLDG. NO.: 31
LAT. LONG AREA: 90.17
INTEL. SUBJECT NUMBER: UX66
DATE: 28 NOV.

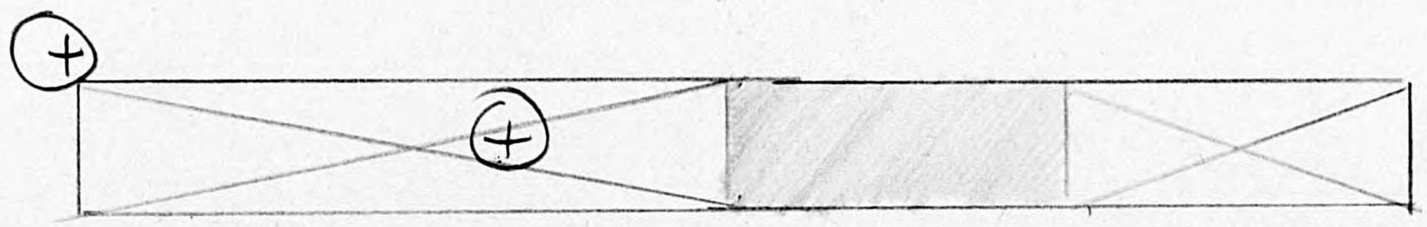
PHOTOGRAPHY
INTERIOR EXTERIOR
STRUCT. DETAIL NO. OF EXPOSURES
ROLL - NEG NUMBER

TEAM

DAMAGE ASSESMENT

DESTROYED
STRUCTURAL DAMAGE
SUPERFICIAL DAMAGE
ROOF DISTURBANCE
MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



BLDG. NUMBER
31

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION
REGENERATING PLANT FOR SODIUM HYDROXIDE SOLUTION

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

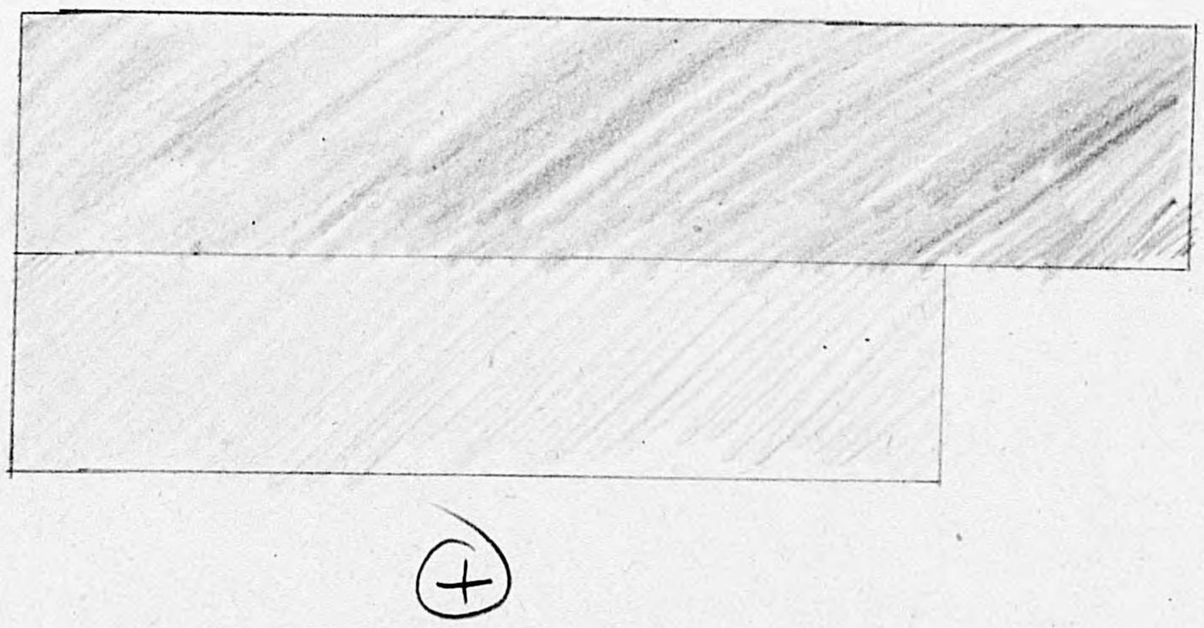
NAME OF PLANT: SHOWA FERTILIZER Co.		
TYPE OF INDUSTRY: CHEMICAL		
CITY: KAWASAKI	TARGET NO.: 137	BLDG. NO.: 32
LAT.	LONG	AREA: 90.17
INTEL. SUBJECT NUMBER: UX66		DATE: 28 NOV.
PHOTOGRAPHY		ROLL - NEG NUMBER
INTERIOR	EXTERIOR	
STRUCT. DETAIL	NO. OF EXPOSURES	

TEAM

DAMAGE ASSESMENT

DESTROYED	
STRUCTURAL DAMAGE	
SUPERFICIAL DAMAGE	
ROOF DISTURBANCE	
MINOR DAMAGE	

GENERAL NOTES - SECTIONS - PLANS - ETC -



BLDG. NUMBER
32.

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION
SEE BELOW.

NAME OF PLANT SHOWA FERTILIZER Co.
TYPE OF INDUSTRY CHEMICAL
CITY KAWASAKI **TARGET NO.** 137 **BLDG. NO.** 33 34
LAT. **LONG** **AREA** 90.17
INTEL. SUBJECT NUMBER UX66 **DATE** 27 Nov 1

PHOTOGRAPHY **ROLL - NEG NUMBER**
INTERIOR **EXTERIOR**
STRUCT. DETAIL **NO. OF EXPOSURES**

TEAM

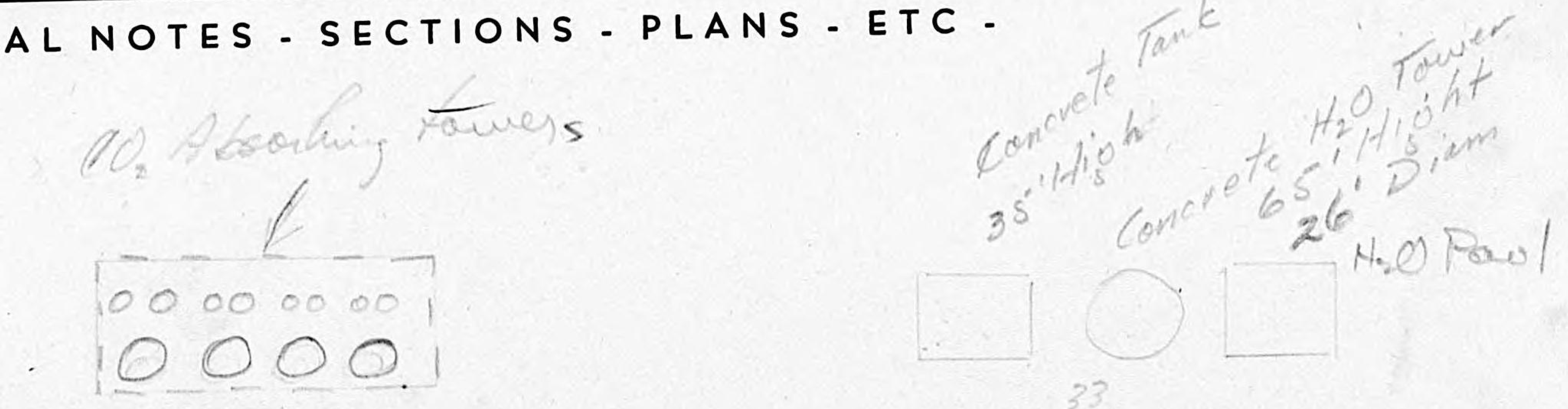
STRUCTURAL ANALYSIS

YEAR BUILT | ORIGINAL USE | REMARKS
FLOOR | TYPE | THICKNESS
FLOOR | TYPE | THICKNESS
WALLS | TYPE | THICKNESS
ROOF MATERIAL | TYPE | THICKNESS
TRUSS | TYPE | SPAN
CRANES NO. | TYPE | LOAD CAPACITY
MACHINERY REMOVED TO | REASON
REPAIRS AND CLEARANCES
NEW CONSTRUCTION

DAMAGE ASSESMENT

DESTROYED
STRUCTURAL DAMAGE
SUPERFICIAL DAMAGE
ROOF DISTURBANCE
MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



34

9 Same

ok c Same

BLDG. NUMBER 33 & 34

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION
CARBON DIOXIDE WASH-WATER RECOVERY

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

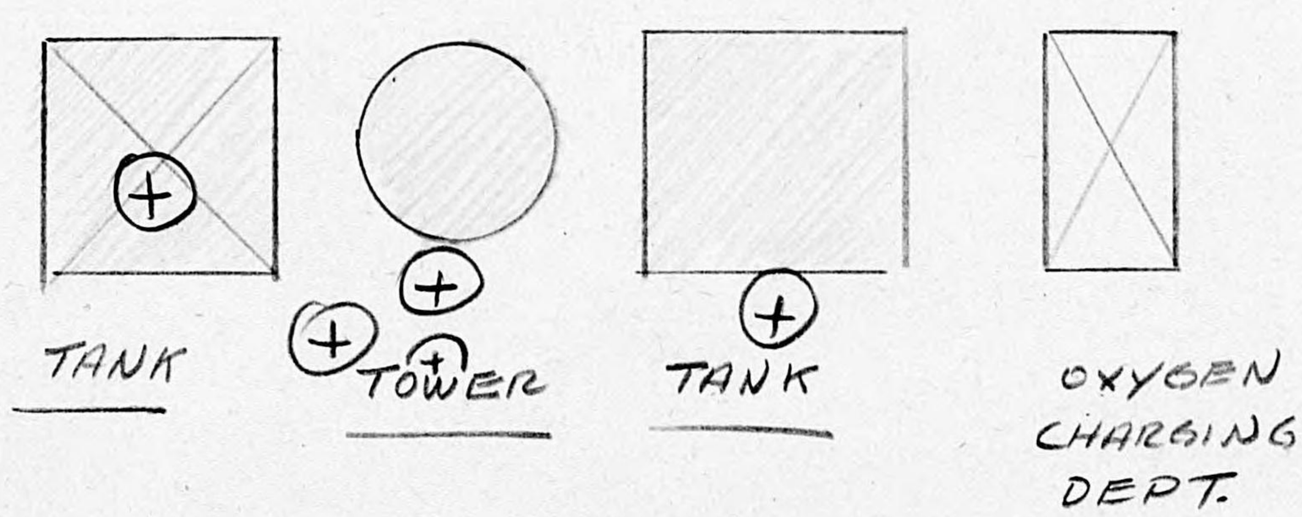
NAME OF PLANT	SHOWA FERTILIZER CO.
TYPE OF INDUSTRY	CHEMICAL
CITY	KAWASAKI
TARGET NO.	137
BLDG. NO.	33
LAT. LONG	
AREA	90.17
INTEL. SUBJECT NUMBER	UX66
DATE	28 NOV
PHOTOGRAPHY	
ROLL - NEG NUMBER	
INTERIOR	EXTERIOR
STRUCT. DETAIL	NO. OF EXPOSURES

TEAM

DAMAGE ASSESMENT

DESTROYED	☒
STRUCTURAL DAMAGE	☐
SUPERFICIAL DAMAGE	
ROOF DISTURBANCE	
MINOR DAMAGE	

GENERAL NOTES - SECTIONS - PLANS - ETC -



BLDG. NUMBER
33

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS

FLOOR	TYPE	THICKNESS
	Concrete	4"

FLOOR	TYPE	THICKNESS
—		

WALLS	TYPE	THICKNESS
	Stucco	

ROOF MATERIAL	TYPE	THICKNESS
	C. Asbestos	

TRUSS	TYPE	SPAN
	Mill Type Const (Wood)	

CRANES NO.	TYPE	LOAD CAPACITY

MACHINERY REMOVED TO — REASON

REPAIRS AND CLEARANCES

NEW CONSTRUCTION

NAME OF PLANT: SHOWA FERTILIZER Co.

TYPE OF INDUSTRY: CHEMICAL

CITY	TARGET NO.	BLDG. NO.
KAWASAKI	137	35

LAT.	LONG	AREA
		90.17

INTEL. SUBJECT NUMBER	DATE
UX66	28 Nov.

PHOTOGRAPHY

INTERIOR	EXTERIOR	ROLL - NEG NUMBER
STRUCT. DETAIL	NO. OF EXPOSURES	

TEAM

DAMAGE ASSESMENT

DESTROYED

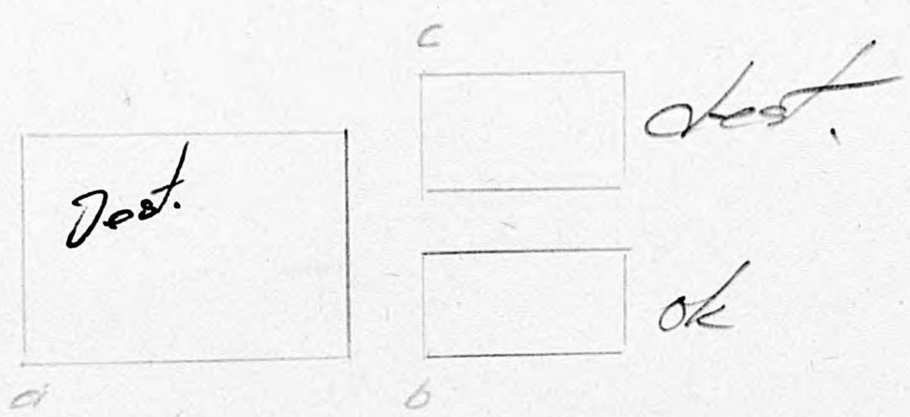
STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



BLDG. NUMBER

35
a,b&c

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION
CATALYZER MANUFACTURE

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

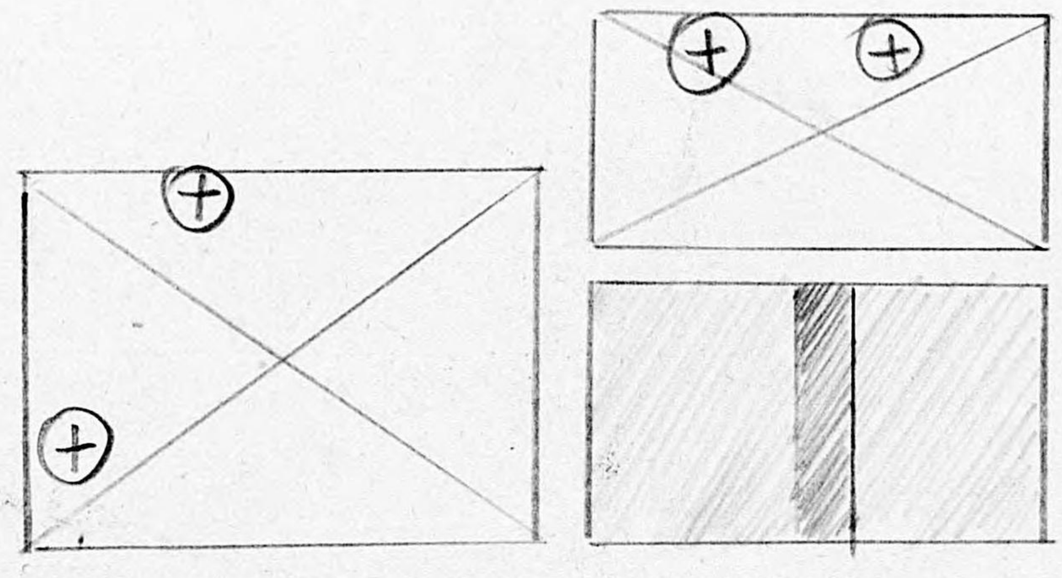
NAME OF PLANT: SHOWA FERTILIZER CO.		
TYPE OF INDUSTRY: CHEMICAL		
CITY: KAWASAKI	TARGET NO.: 137	BLDG. NO.: 35
LAT. / LONG	AREA: 90.107	
INTEL. SUBJECT NUMBER: UX66		DATE: 28 NOV
PHOTOGRAPHY		ROLL - NEG NUMBER
INTERIOR	EXTERIOR	
STRUCT. DETAIL	NO. OF EXPOSURES	

TEAM

DAMAGE ASSESMENT

DESTROYED	☒
STRUCTURAL DAMAGE	▨
SUPERFICIAL DAMAGE	▨
ROOF DISTURBANCE	
MINOR DAMAGE	▨

GENERAL NOTES - SECTIONS - PLANS - ETC -



WOODEN BUILDINGS.

BLDG. NUMBER 35

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION
NITROGEN TANK

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

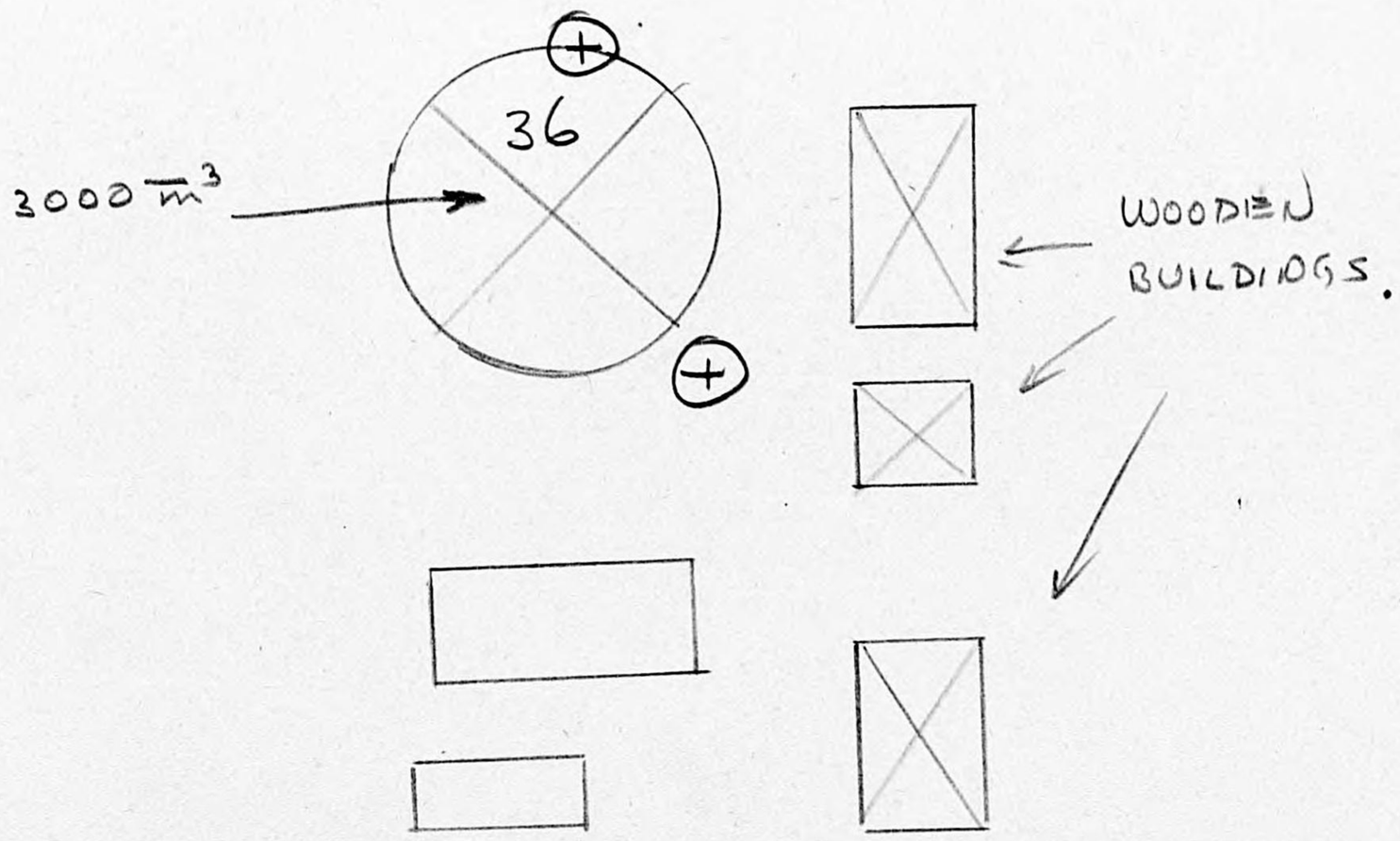
NAME OF PLANT: SHOWA FERTILIZER CO.
TYPE OF INDUSTRY: CHEMICAL
CITY: KAWASAKI
TARGET NO.: 137
BLDG. NO.: 36
LAT. | LONG | AREA: 90.17
INTEL. SUBJECT NUMBER: UX66
DATE: 28 Nov.
PHOTOGRAPHY
INTERIOR | EXTERIOR
STRUCT. DETAIL | NO. OF EXPOSURES
ROLL - NEG NUMBER

TEAM

DAMAGE ASSESMENT

DESTROYED ☒
STRUCTURAL DAMAGE
SUPERFICIAL DAMAGE
ROOF DISTURBANCE
MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



BLDG. NUMBER
36

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
'37		

FLOOR	TYPE	THICKNESS
1 –	Concrete	

FLOOR	TYPE	THICKNESS
—		

WALLS	TYPE	THICKNESS
C.	Asbestos	

ROOF MATERIAL	TYPE	THICKNESS
"	"	

TRUSS	TYPE	SPAN
	Steel	

CRANES NO.	TYPE	LOAD CAPACITY

MACHINERY REMOVED TO — REASON

REPAIRS AND CLEARANCES

NEW CONSTRUCTION

NAME OF PLANT: SHOWA FERTILIZER CO.

TYPE OF INDUSTRY: CHEMICAL

CITY: KAWASAKI — TARGET NO.: 137 — BLDG. NO.: 37

LAT. — LONG — AREA: 90.17

INTEL. SUBJECT NUMBER: UY66 — DATE: 28 Nov.

PHOTOGRAPHY — ROLL - NEG NUMBER

INTERIOR — EXTERIOR

STRUCT. DETAIL — NO. OF EXPOSURES

TEAM

DAMAGE ASSESMENT

DESTROYED

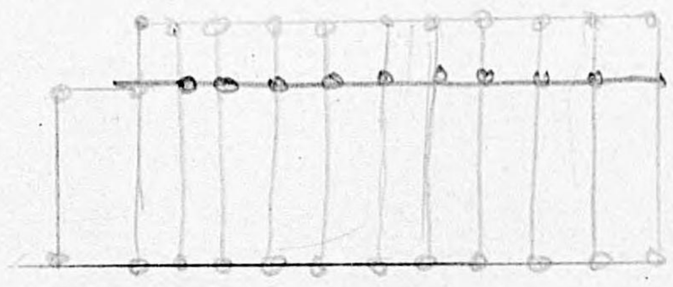
STRUCTURAL DAMAGE

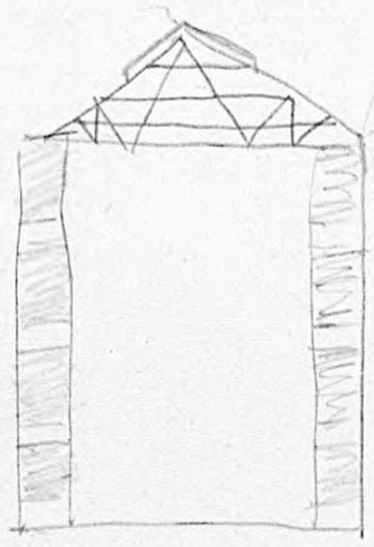
SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -





BLDG. NUMBER 37

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION
GAS-CONVERTOR

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

NAME OF PLANT: SHOWA FERTILIZER CO.
TYPE OF INDUSTRY: CHEMICAL
CITY: KAWASAKI
TARGET NO.: 137
BLDG. NO.: 37
LAT. LONG AREA: 90.17
INTEL. SUBJECT NUMBER: UX66
DATE: 28 NOV.

PHOTOGRAPHY
INTERIOR EXTERIOR
STRUCT. DETAIL NO. OF EXPOSURES
ROLL - NEG NUMBER

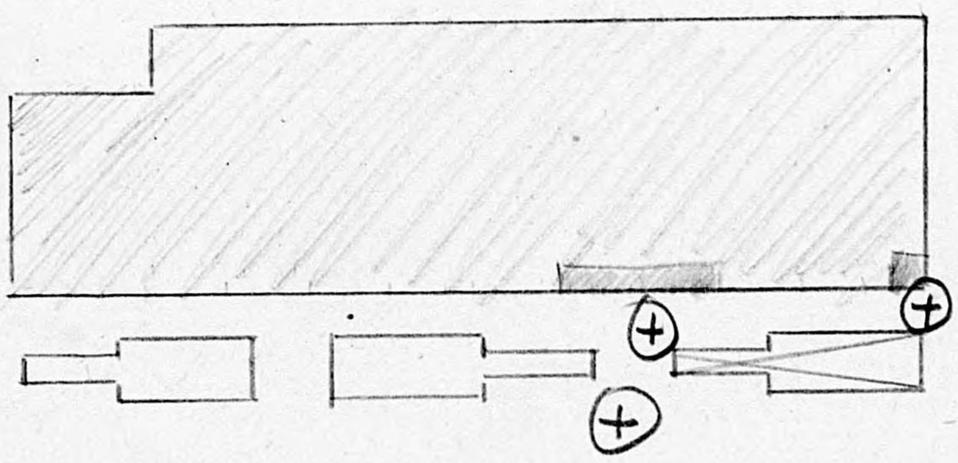
TEAM

DAMAGE ASSESMENT

DESTROYED
STRUCTURAL DAMAGE
SUPERFICIAL DAMAGE
ROOF DISTURBANCE
MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -

ROOF & WALLS REMOVED



BLDG. NUMBER
37

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

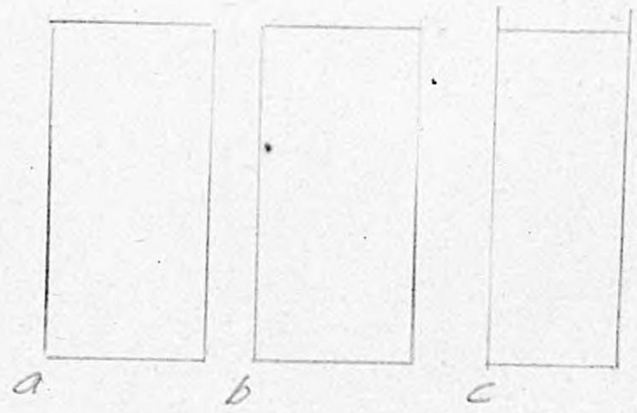
FUNCTION			
STRUCTURAL ANALYSIS	YEAR BUILT	ORIGINAL USE	REMARKS
	FLOOR	TYPE	THICKNESS
	FLOOR	TYPE	THICKNESS
	WALLS	TYPE	THICKNESS
	ROOF MATERIAL	TYPE	THICKNESS
	TRUSS	TYPE	SPAN
	CRANES NO.	TYPE	LOAD CAPACITY
	MACHINERY REMOVED TO		REASON
	REPAIRS AND CLEARANCES		
	NEW CONSTRUCTION		

NAME OF PLANT: SHOWA FERTILIZER CO.		
TYPE OF INDUSTRY: CHEMICAL		
CITY: KAWASAKI	TARGET NO.: 137	BLDG. NO.: 38
LAT. LONG	AREA: 90.17	
INTEL. SUBJECT NUMBER: UY66		DATE: 28 NOV.
PHOTOGRAPHY		ROLL - NEG NUMBER
INTERIOR	EXTERIOR	
STRUCT. DETAIL	NO. OF EXPOSURES	

TEAM

DAMAGE ASSESMENT	
	DESTROYED
	STRUCTURAL DAMAGE
	SUPERFICIAL DAMAGE
	ROOF DISTURBANCE
	MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



~~Steel~~ Horz. Tanks (Shallow Steel)

Cast Iron Box type

SHALLOW HORZ. TANKS

BLDG. NUMBER

38

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION
SULFUR REMOVAL TANKS
(H_2S ABSORBTION)

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

NAME OF PLANT	SHOWA FERTILIZER CO.
TYPE OF INDUSTRY	CHEMICAL
CITY	KAWASAKI
TARGET NO.	137
BLDG. NO.	38
LAT.	
LONG	
AREA	90,17
INTEL. SUBJECT NUMBER	UX66.
DATE	28 Nov.
PHOTOGRAPHY	
ROLL - NEG NUMBER	
INTERIOR	
EXTERIOR	
STRUCT. DETAIL	
NO. OF EXPOSURES	

TEAM

DAMAGE ASSESMENT

DESTROYED

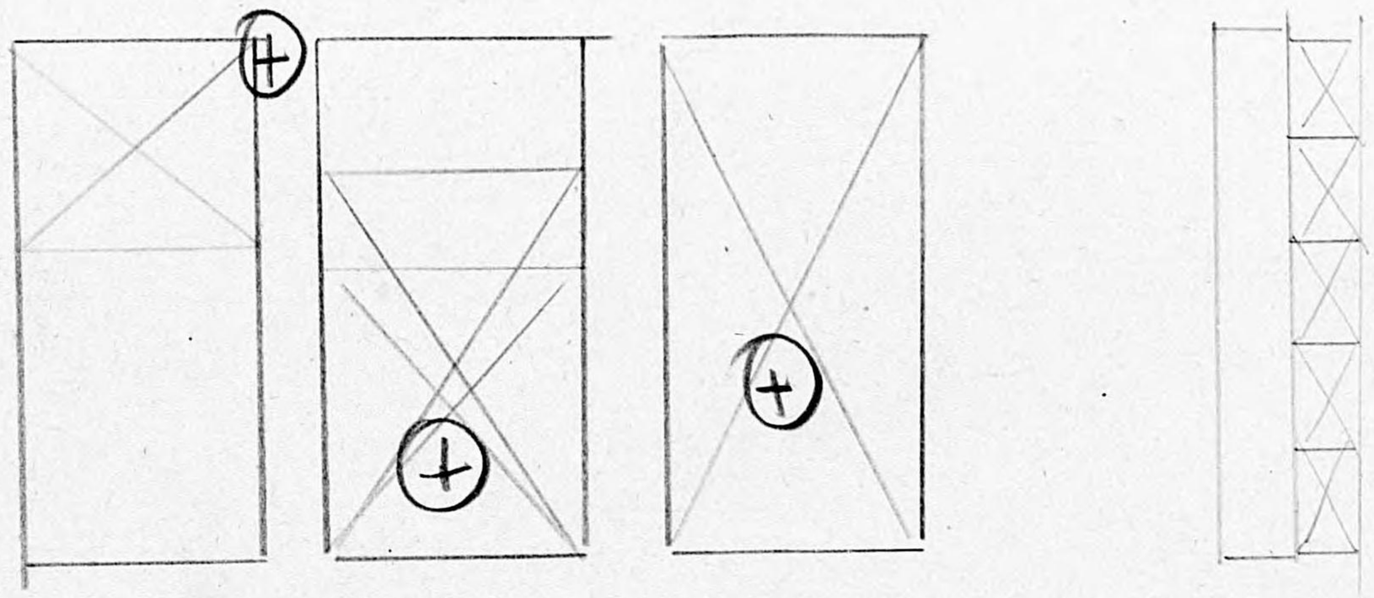
STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



BLDG. NUMBER
38

STEEL TANKS

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS

FLOOR	TYPE	THICKNESS
4" Concrete		

FLOOR	TYPE	THICKNESS

WALLS	TYPE	THICKNESS
C. Asbestos		

ROOF MATERIAL	TYPE	THICKNESS
C. Asbestos		

TRUSS	TYPE	SPAN
Wood - Mill Type		

CRANES NO.	TYPE	LOAD CAPACITY

MACHINERY REMOVED TO — REASON

REPAIRS AND CLEARANCES

NEW CONSTRUCTION

NAME OF PLANT: Showa Fertilizer Co.

TYPE OF INDUSTRY: Chemical

CITY	TARGET NO.	BLDG. NO.
Kawasaki	137	39

LAT.	LONG	AREA
		90.17

INTEL. SUBJECT NUMBER	DATE
UX66	25 Nov 1

PHOTOGRAPHY — ROLL - NEG NUMBER

INTERIOR — EXTERIOR

STRUCT. DETAIL — NO. OF EXPOSURES

TEAM

DAMAGE ASSESMENT

DESTROYED

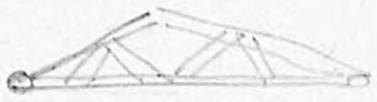
STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

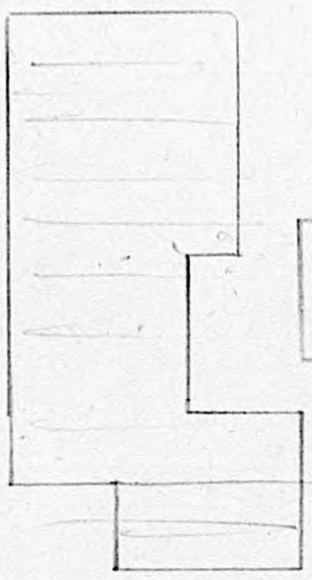
MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



Wood Structure - Destroyed

Mill Type Constr.



Wooden Bldg.

BLDG. NUMBER

39

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION

STRUCTURAL ANALYSIS

YEAR BUILT	ORIGINAL USE	REMARKS
FLOOR	TYPE	THICKNESS
FLOOR	TYPE	THICKNESS
WALLS	TYPE	THICKNESS
ROOF MATERIAL	TYPE	THICKNESS
TRUSS	TYPE	SPAN
CRANES NO.	TYPE	LOAD CAPACITY
MACHINERY REMOVED TO		REASON
REPAIRS AND CLEARANCES		
NEW CONSTRUCTION		

NAME OF PLANT: SHOWA FERTILIZER Co.

TYPE OF INDUSTRY: CHEMICAL

CITY: KAWASAKI

TARGET NO.: 137

BLDG. NO.: 39

LAT. LONG AREA: 90.17

INTEL. SUBJECT NUMBER: UX66

DATE: 28 Nov.

PHOTOGRAPHY

ROLL - NEG NUMBER

INTERIOR EXTERIOR

STRUCT. DETAIL NO. OF EXPOSURES

TEAM

DAMAGE ASSESMENT

DESTROYED ☒

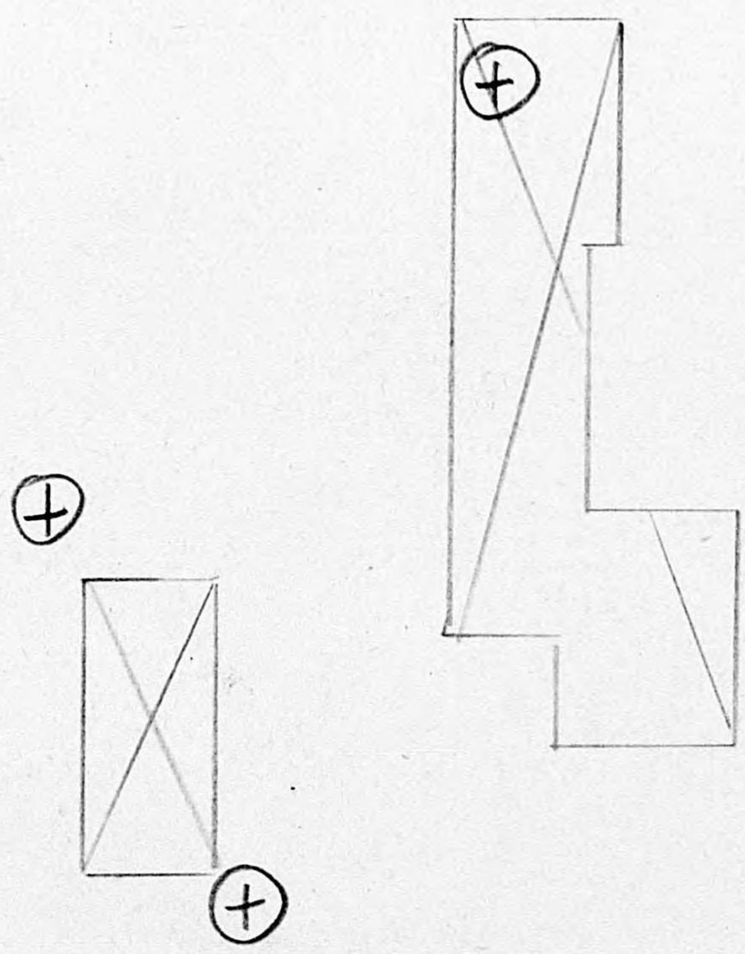
STRUCTURAL DAMAGE

SUPERFICIAL DAMAGE

ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -



BLDG. NUMBER

39

SHEET OF

U. S. S. B. S.
DAMAGE ASSESMENT WORK SHEET

FUNCTION
Boile- Room

NAME OF PLANT Showa Fertilizer Co.
TYPE OF INDUSTRY Chemical
CITY Kawasaki **TARGET NO.** 137 **BLDG. NO.** 40
LAT. **LONG** **AREA** 90.17
INTEL. SUBJECT NUMBER UX66 **DATE** 28 Nov.

PHOTOGRAPHY **ROLL - NEG NUMBER**
INTERIOR **EXTERIOR**
STRUCT. DETAIL **NO. OF EXPOSURES**

TEAM

STRUCTURAL ANALYSIS

YEAR BUILT **ORIGINAL USE** **REMARKS**

FLOOR **TYPE** **THICKNESS**
1- Concrete 4''

FLOOR **TYPE** **THICKNESS**
—

WALLS **TYPE** **THICKNESS**
C. Asbestos

ROOF MATERIAL **TYPE** **THICKNESS**
C. Asbestos

TRUSS **TYPE** **SPAN**
Light steel

CRANES NO. **TYPE** **LOAD CAPACITY**

MACHINERY REMOVED TO **REASON**

REPAIRS AND CLEARANCES

NEW CONSTRUCTION

DAMAGE ASSESMENT

DESTROYED

STRUCTURAL DAMAGE

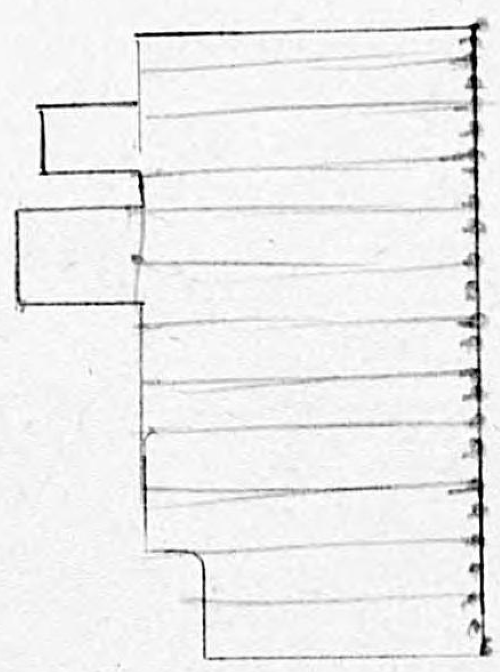
SUPERFICIAL DAMAGE

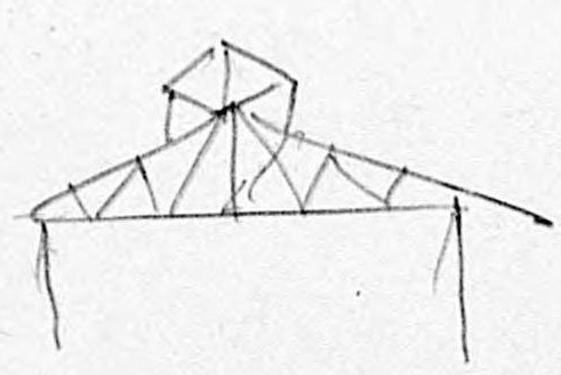
ROOF DISTURBANCE

MINOR DAMAGE

GENERAL NOTES - SECTIONS - PLANS - ETC -

Light Steel frame Bldg.





BLDG. NUMBER 40

SHEET **OF**