RESTRICTED CONFIDENTIAL SECRET UNCLASSIFIED
REGRADED
ORDER SEC ARMY
BY TAG PER
8 W 196

C. I. U.
XXI BOMBER COMMAND
APO 234, c/o POSTMASTER
SAN FRANCISCO, CALIFORNIA

(Combined PI Sections: 3rd Photo Recon Sqdn and 35th Photo Tech Unit)

13 June 1945

STRIKE ATTACK REPORT NO. 103

XXI Bom Com Mission No.: 193

Target No.: 90.20-198
Aichi A/C, Atsuta Plant
90.20-2010
Aichi A/C Engine Works
Nagoya Plant

Turc Heading over Target: 84°-99°

Time of Attack: 090018Z to 090023Z

Bombing Accuracy: Fair

No. of A/C over Target: 42

No. of Bursts on Target: 58

Bomb Load and Fusing:
18 A/C-3 x 4000 lb. GP Inst Nose
26 A/C-3 x 4000 lb. GP ND
1 x 2000 lb. GP Tail

Total number bombs dropped over target by the Wing: 121 x 4000 lb.
23 x 2000 lb.

Total number of visible bursts plotted: 126

Total number of calculated probable bursts plotted: 24

	Number	Percentage
Total No. bursts (visible & probable) within 1000' of MPI -	46	31
Total No. bursts (visible & probable) within 1-2000' of MPI -	62	41
Total No. bursts (visible & probalbe) within 2-3000' of MPI -	29	19
Total No. bursts (visible & probable) beyond 3000' of MPI -	13	9

Note: discrepancy in number of bombs due to 58th BW A/C - bomb load unknown.

The balance of bombs airborne but not accounted for above:

3 bombs (4000 lb) dropped on target of opportunity: Katsuura
3 bombs (4000 lb) dropped on target of opportunity: Hamamatsu
1 x 2000 lb GP dropped on target of opportunity: Hamamatsu
3 x 4000 lb and 1 x 2000 lb jettisoned at sea.

NARRATIVE

9th GP.: Of the 3 air squadrons attacking the target, 2 obtained excellent results; the third obtained good results. Bomb hits were concentrated in Target 198, the N half being very heavily hit. Target 2010 was not as heavily hit, but several direct hits are believed to have been scored on buildings in that area. Both manufacturing and assembly buildings appear to have sustained damage. Numerous smaller buildings were damaged.

One aircraft attacked target of opportunity, Katsuura (33/37N - 135/57E) with excellent results.

Strike Attack Report No. 103, Cont'd.

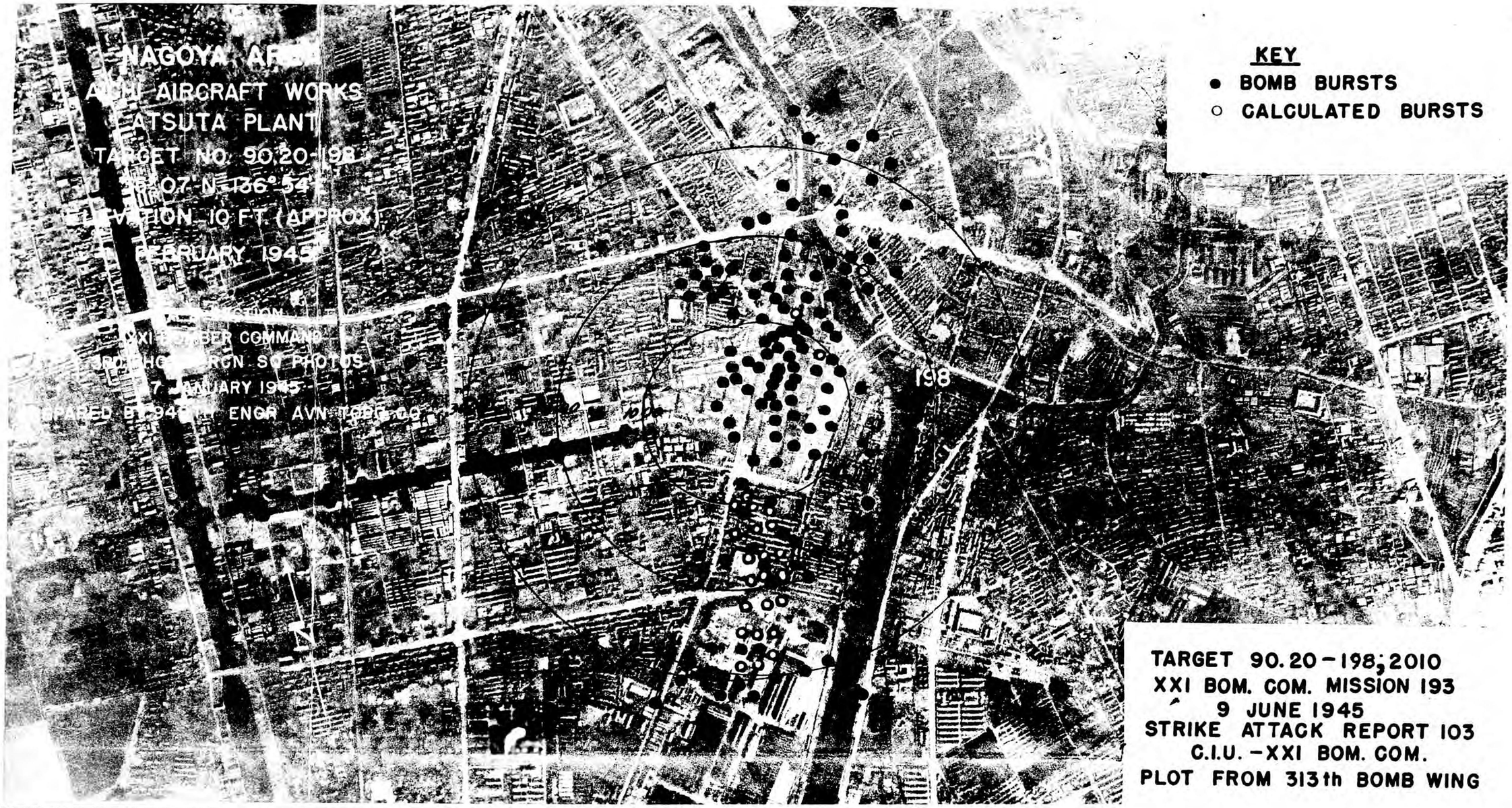
504th GP.: The first squadron bombed S of the assigned target straddling the canal dividing the target area and the Sumitomo Light Metals Industry. The N end of the bomb pattern fell in a built-up area, while the buildings in the N part of the Sumitomo Light Metals Industry were damaged. A rolling mill in this plant apparently sustained damage as a result of near misses. Another 400' x 400' building was demolished by two direct hits. The second squadron of this group also bombed in approximately the same area. Smoke obscures the impacts of many bombs and conceals damage which was probably caused in this vicinity.

Inclosure: One annotated lithomosaic.

Approved. R. L. V. C. Bass, Capt AC
for HAMILTON D. DARBY,
MAJOR, AC

Received from A-2, 313th BW, XXI BC -
Approved and distributed by CIU, XXI BC

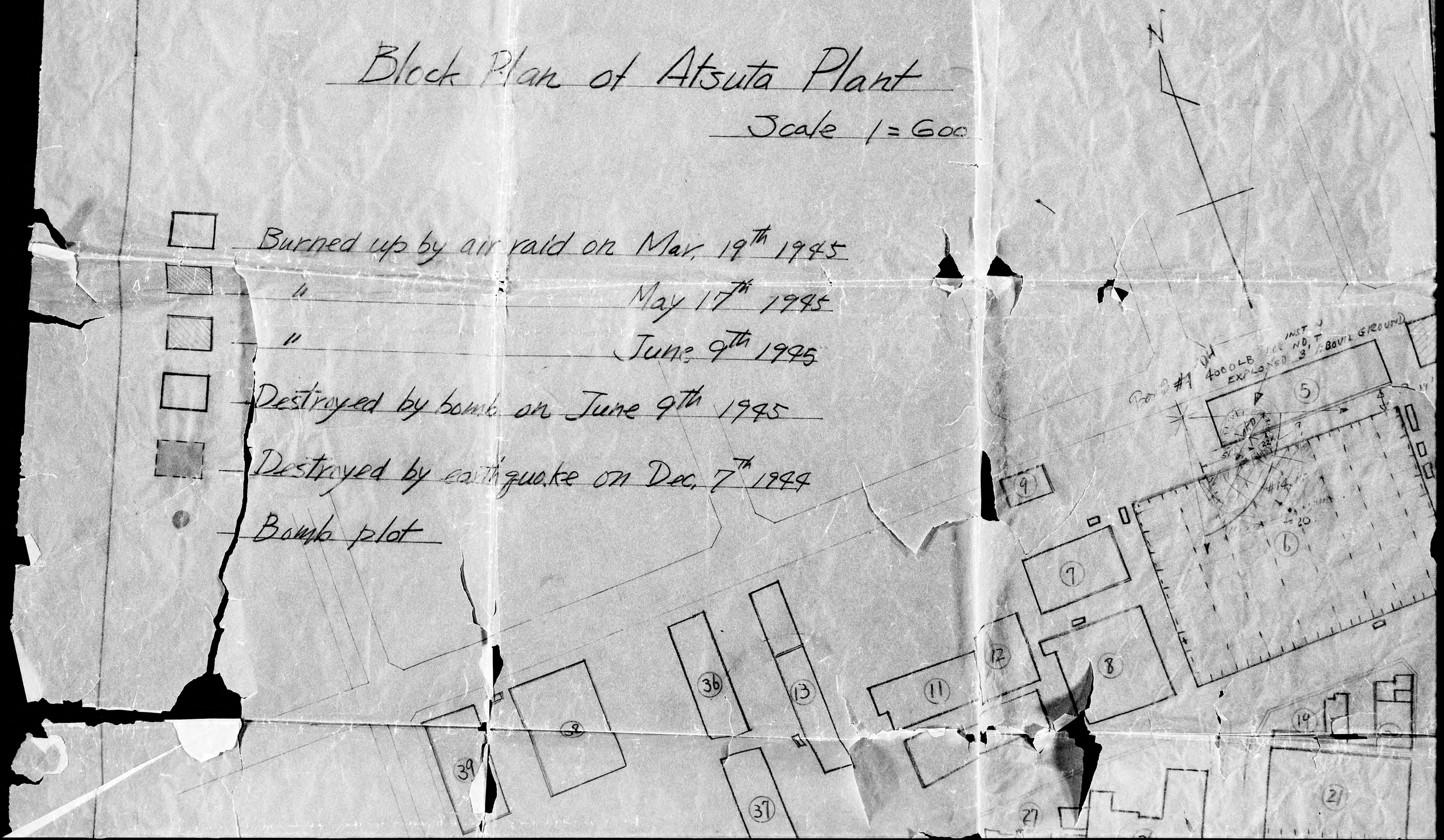
DISTRIBUTION: "C"


NAGOYA, AR
AICHI AIRCRAFT WORKS
ATSUTA PLANT
TARGET NO. 90.20-198
07 N 136° 54
ELEVATION 10 FT. (APPROX)
FEBRUARY 1945
XXI BOMBER COMMAND
RCN SQ PHOTOS
7 JANUARY 1945
ENGR AVN
198
KEY
● BOMB BURSTS
○ CALCULATED BURSTS
TARGET 90.20-198; 2010
XXI BOM. COM. MISSION 193
9 JUNE 1945
STRIKE ATTACK REPORT 103
C.I.U. -XXI BOM. COM.
PLOT FROM 313th BOMB WING

Block Plan of Atsuta Plant

Scale 1 = 600

- Burned up by air raid on Mar. 19th 1945
- " May 17th 1945
- " June 9th 1945
- Destroyed by bomb on June 9th 1945
- Destroyed by earthquake on Dec. 7th 1944
- Bomb plot



of Atsuta Plant

Scale 1=60

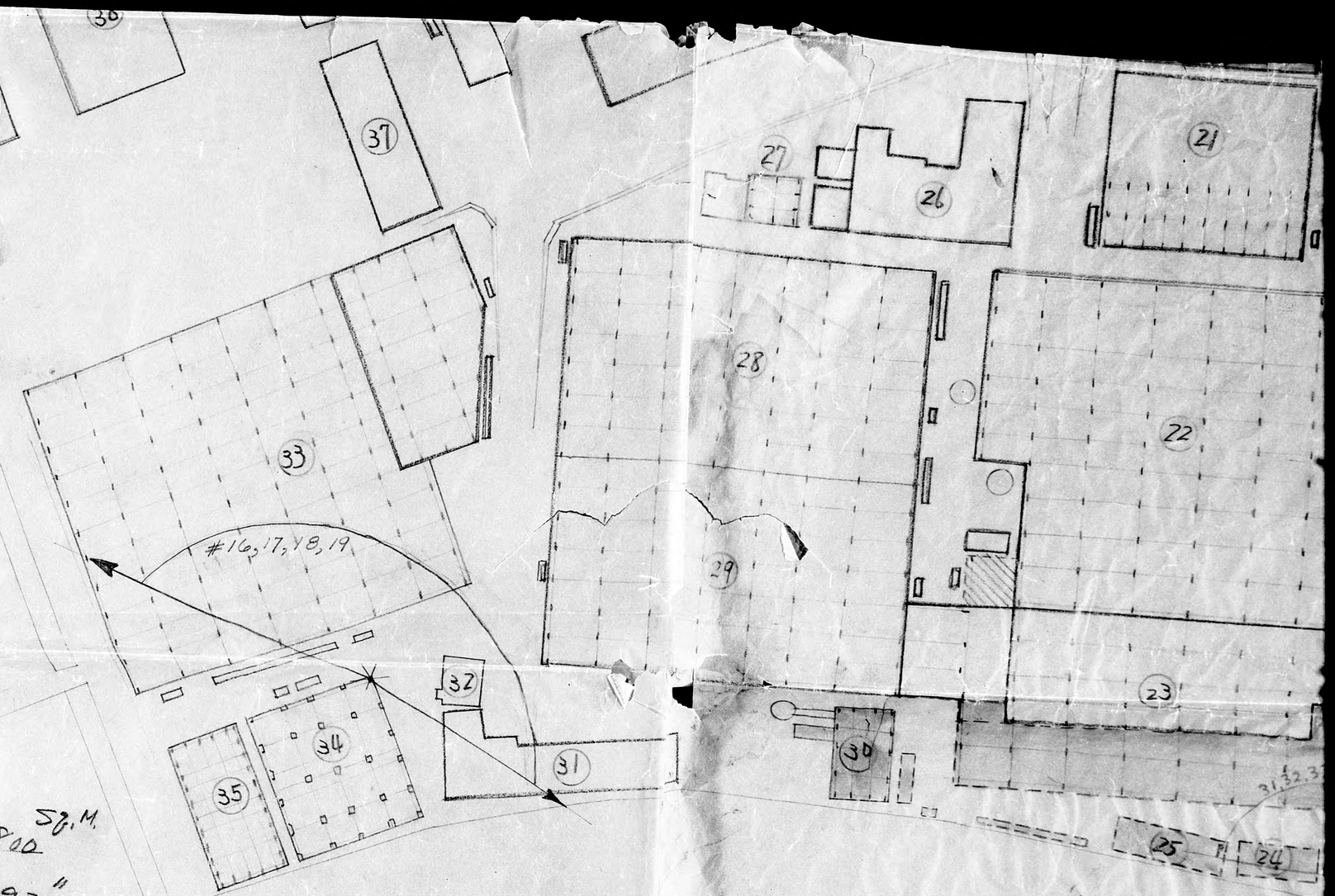
on Mar. 19th 1945

May 17th 1945

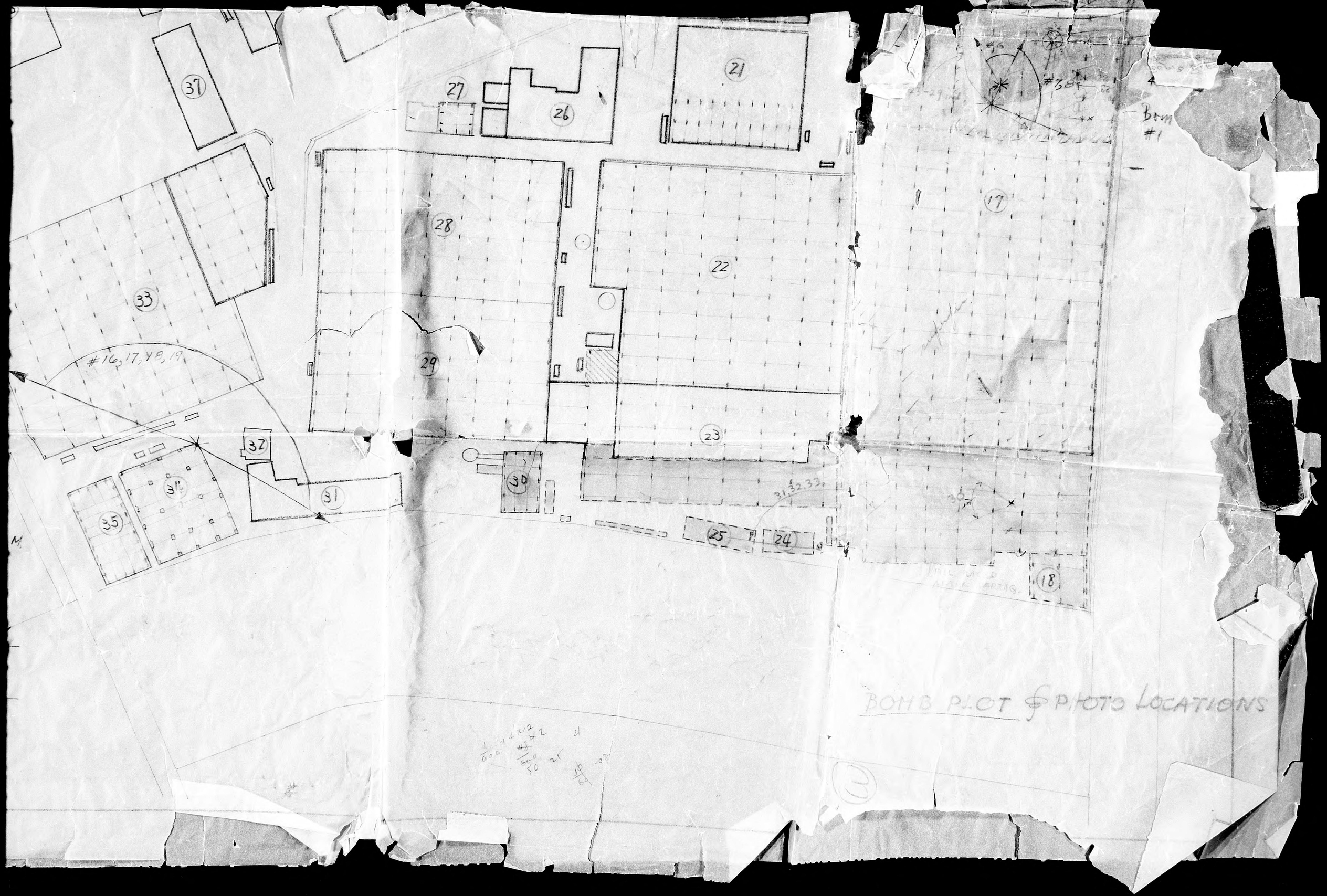
June 9th 1945

June 9th 1945

e on Dec. 7th 1944



Area of site	73.800 sq. M.
Total area of Buildings on Nov. 1944	45.493"
Total area of floors on Nov. 1944	32.035"
Total damages by air raids	30.716"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#16, 17, 18, 19
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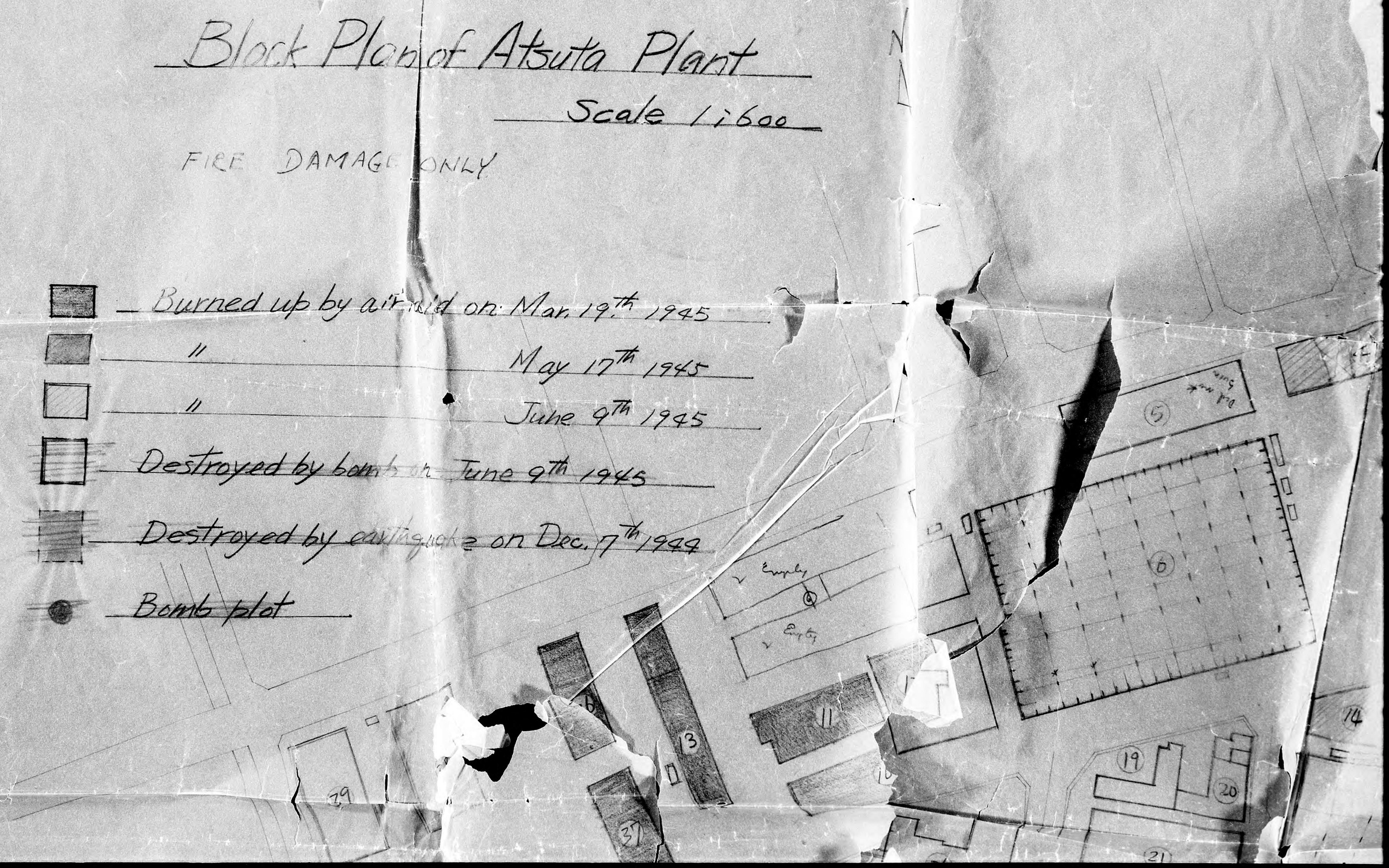
31, 32, 33
25
24
17
#3, 8
Bm #1
18
BOMB PLOT & PHOTO LOCATIONS

Block Plan of Atsuta Plant

Scale 1/600

FIRE DAMAGE ONLY

- Burned up by air raid on Mar. 19th 1945
- " May 17th 1945
- " June 9th 1945
- Destroyed by bomb on June 9th 1945
- Destroyed by earthquake on Dec. 7th 1944
- Bomb plot



of Atsuta Plant

Scale 1:600

ONLY

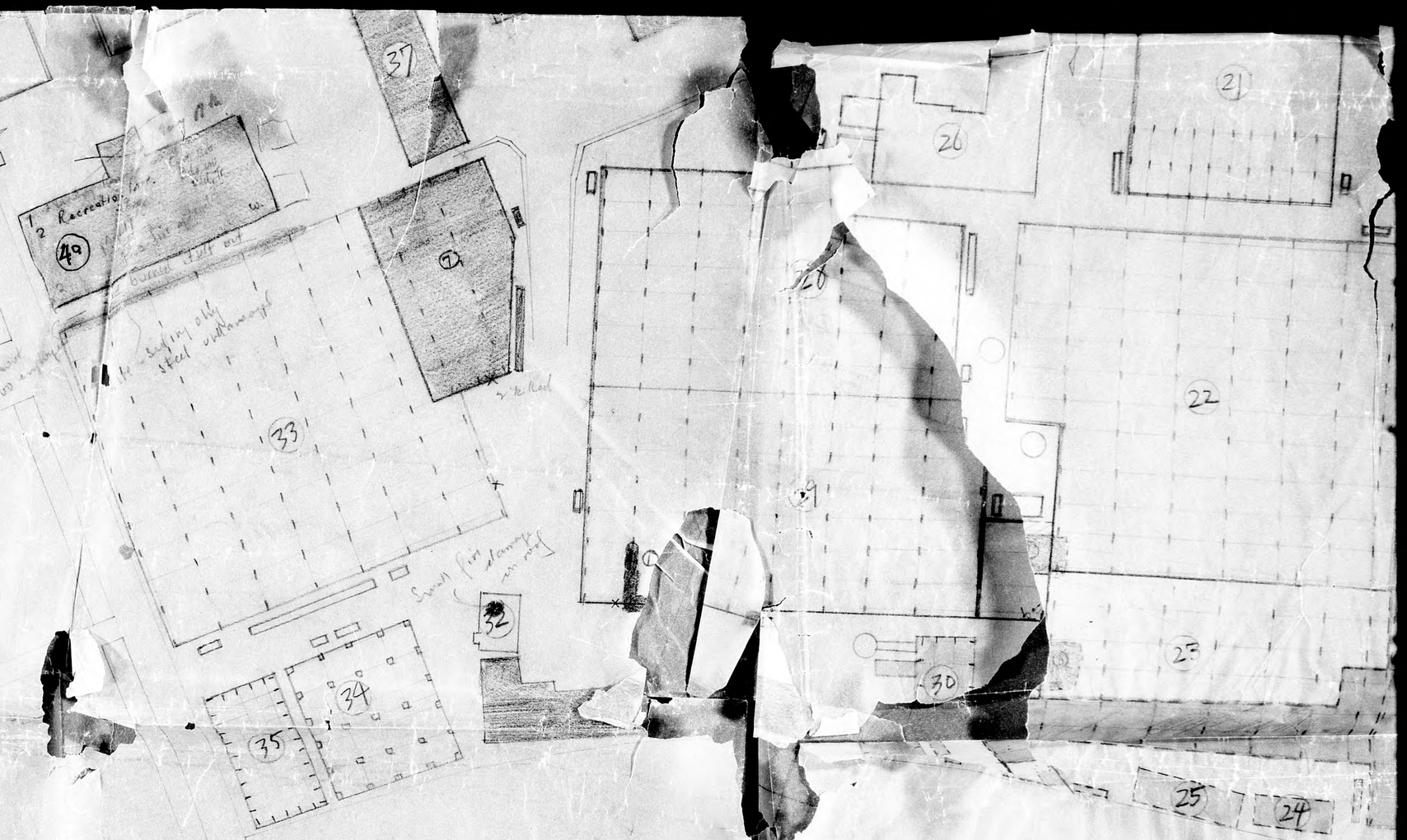
aid on: Mar 19th 1945

May 17th 1945

June 9th 1945

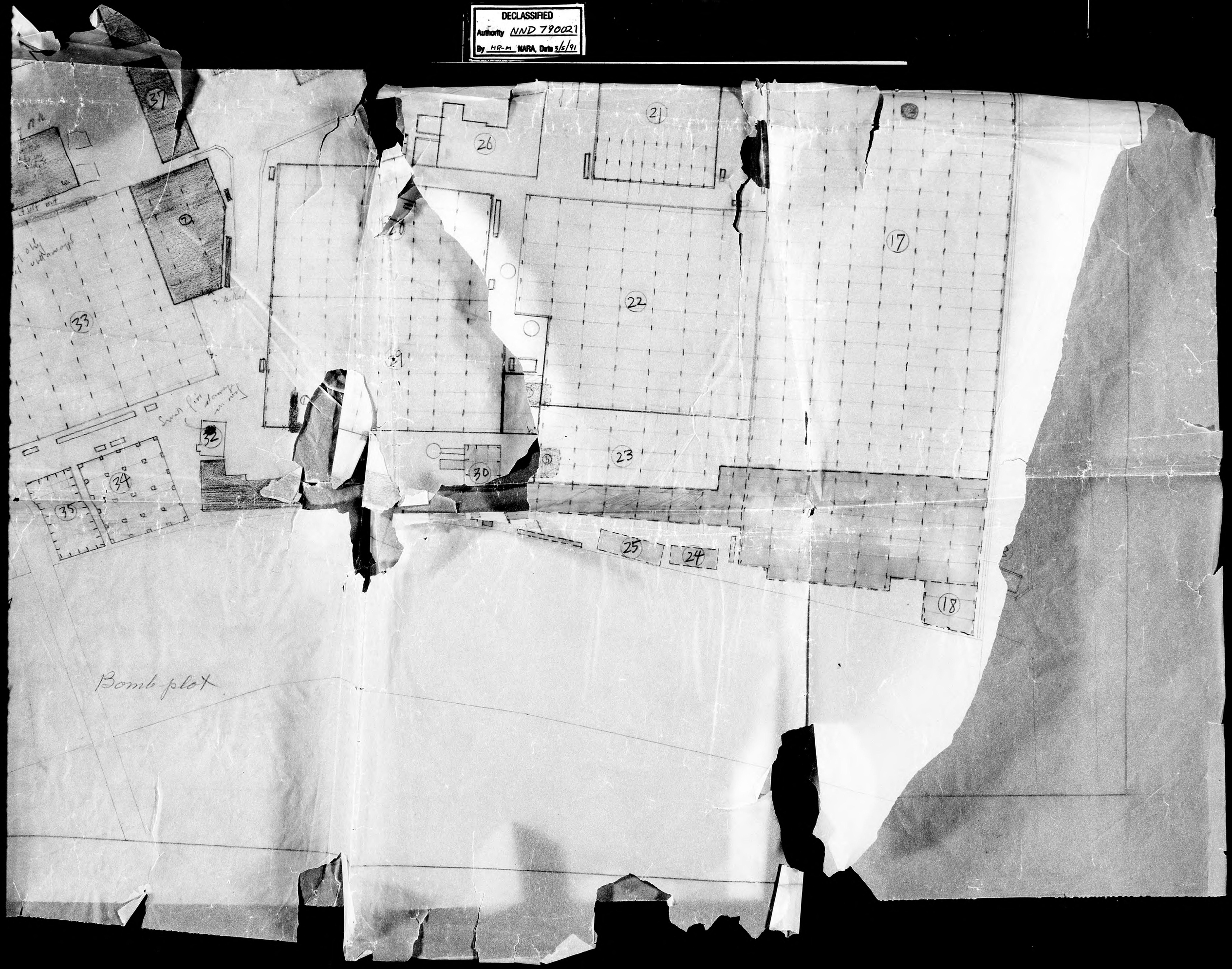
on June 9th 1945

quate on Dec. 7th 1944

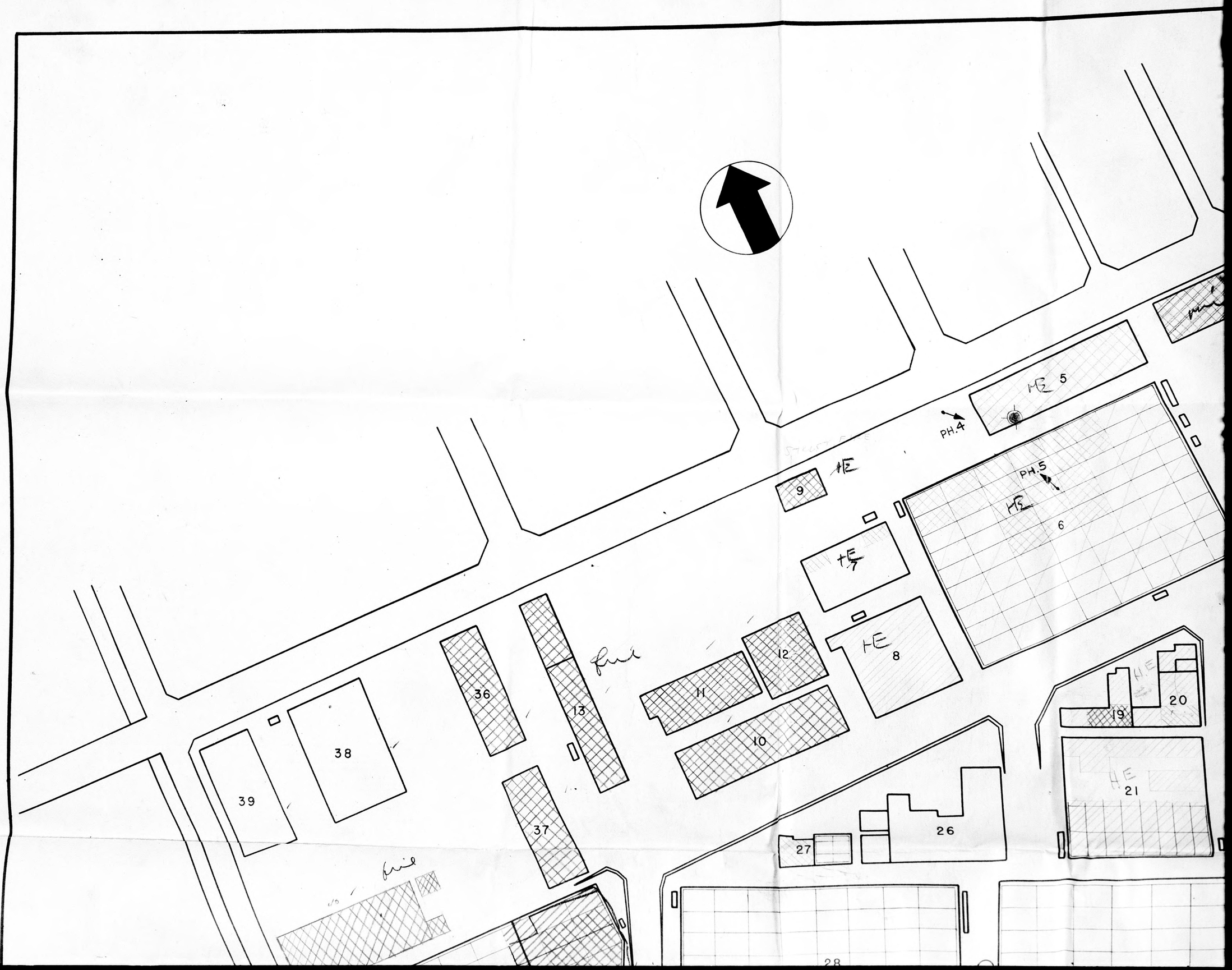


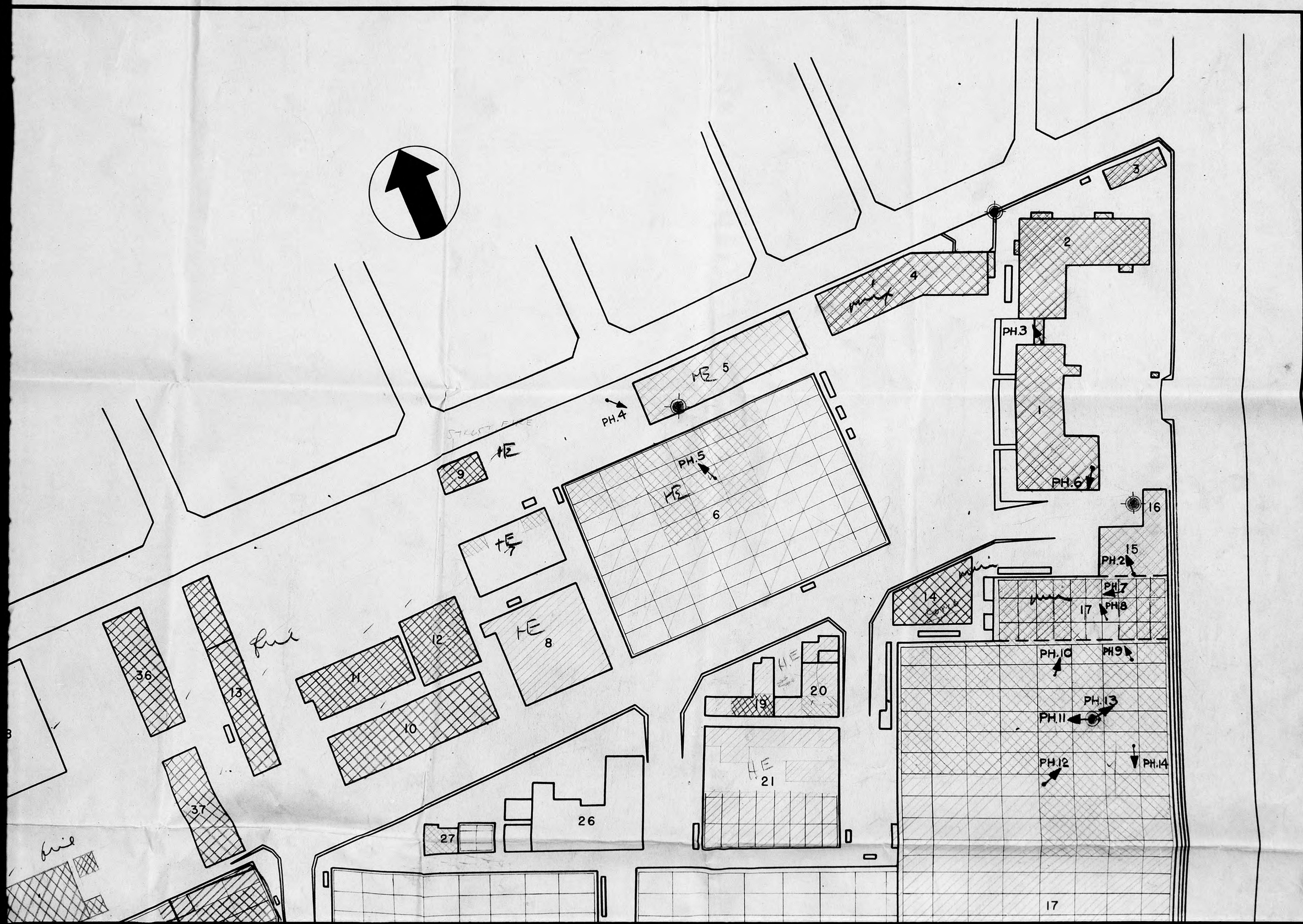
Area of site	73.800	Sq. M
Total area of Buildings on Nov. 1944	45.493	"
Total area of floors on Nov. 1944	52.033	"
Total damag	30.116	"

DECLASSIFIED
Authority NND 790021
By HR-M NARA, Date 3/5/91



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




STREET FIRE
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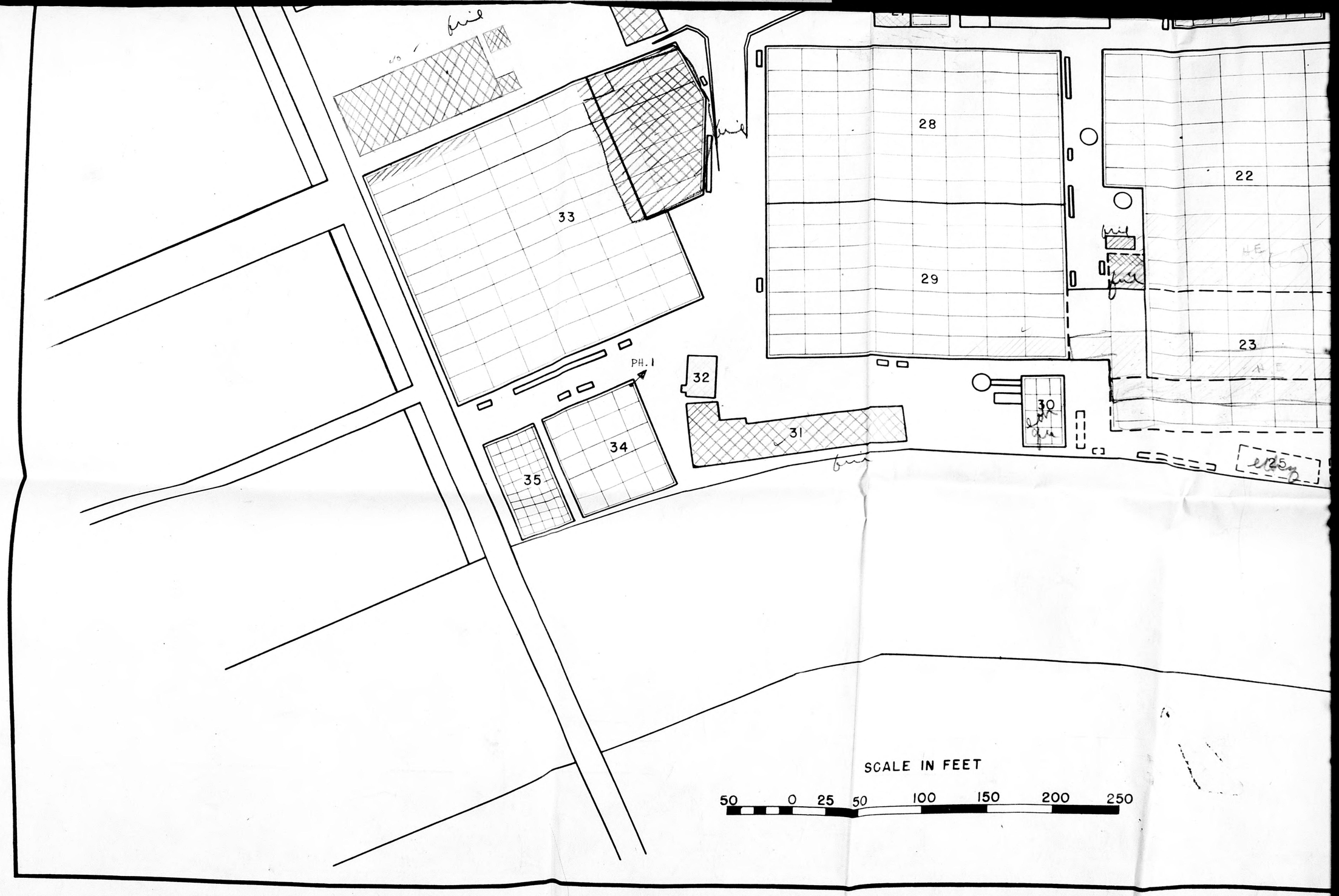
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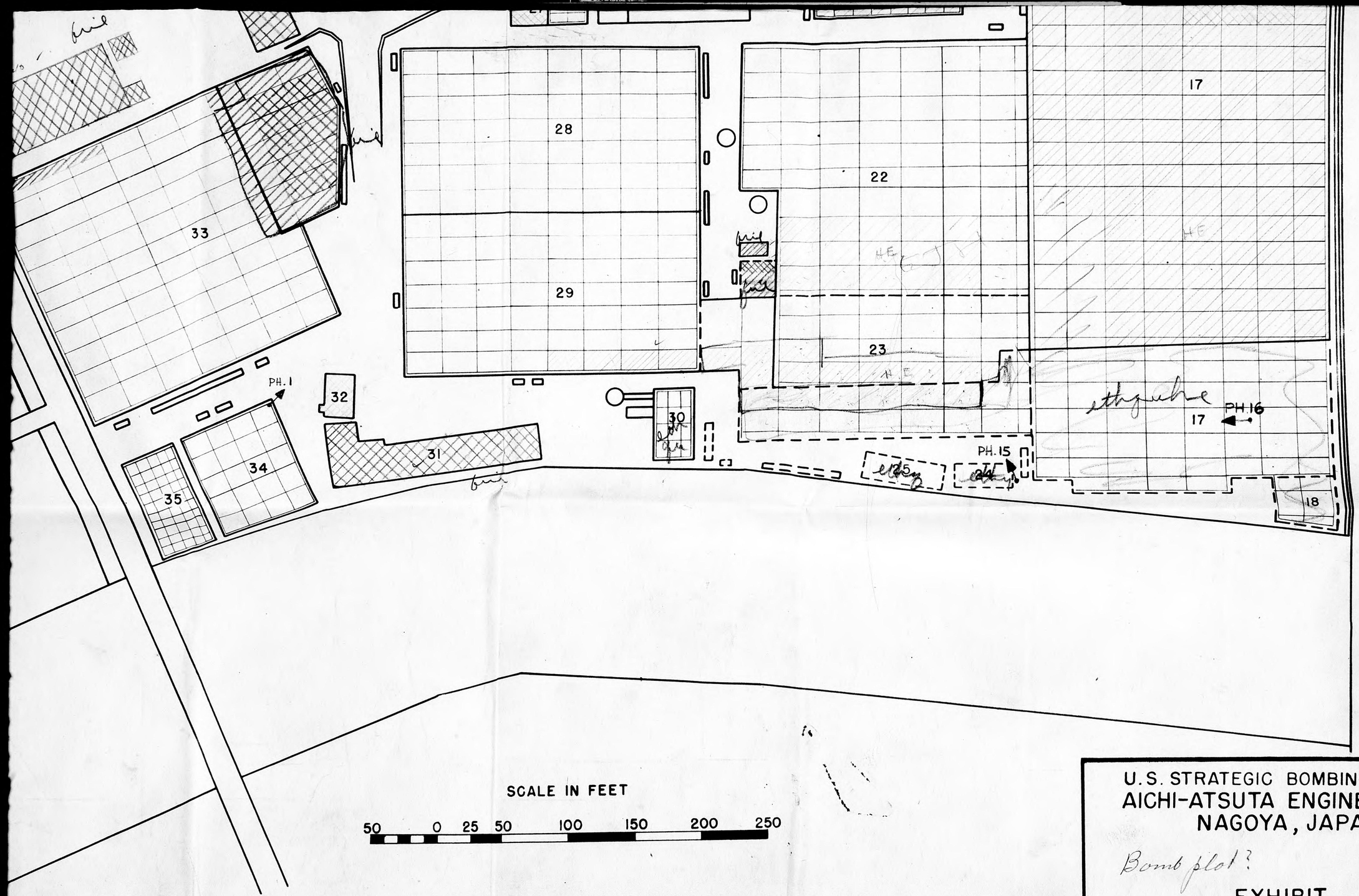
PH. 1
SCALE IN FEET
50 0 25 50 100 150 200 250



U.S. STRATEGIC BOMBING SURVEY
AICHI-ATSUTA ENGINE PLANT
NAGOYA, JAPAN

Bomb plot?

EXHIBIT

工　賃　月　報

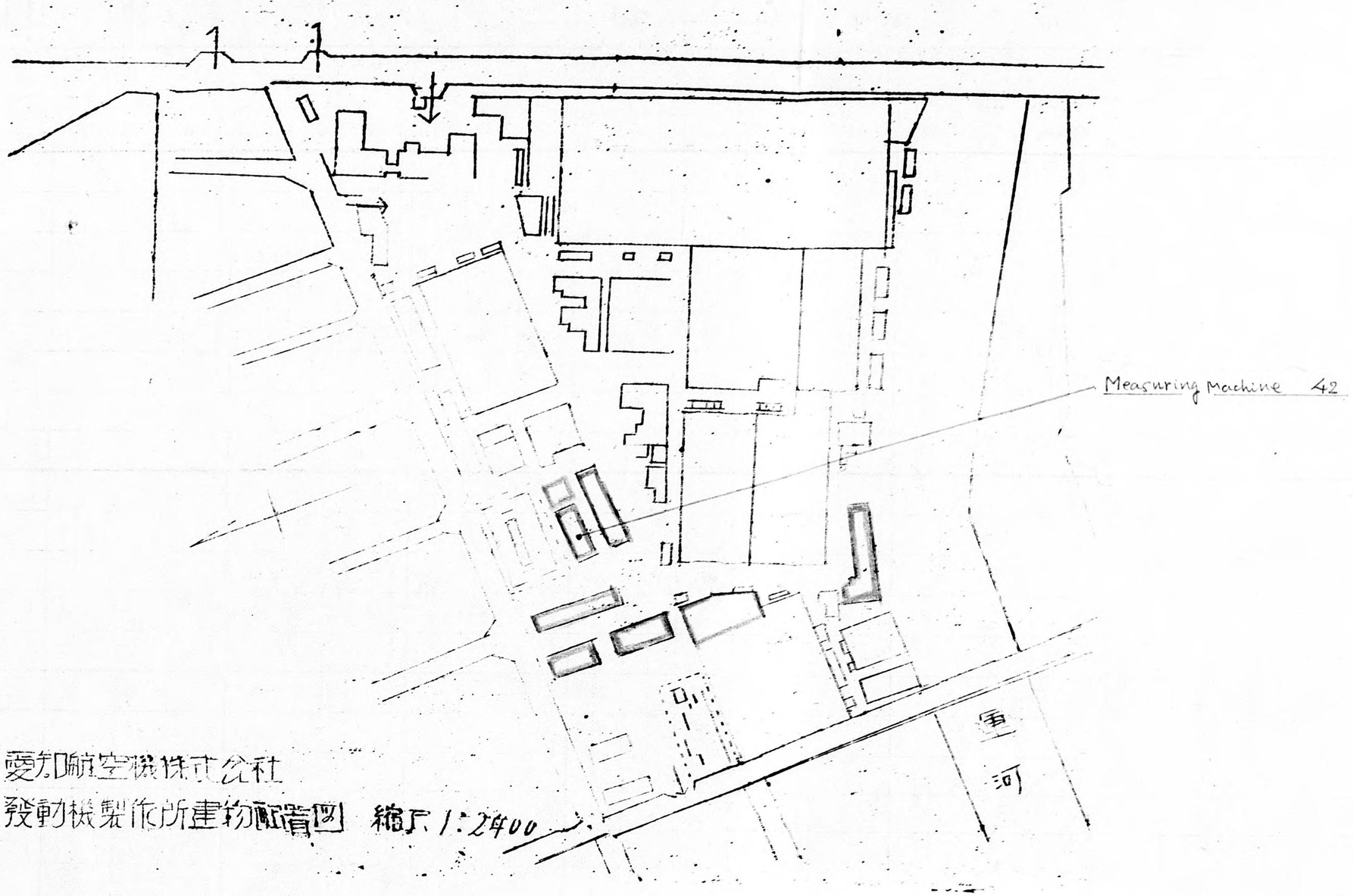
（昭和　　年　　月分）

工場名		工場長印		工場取扱者印	

工種		A 支給人員	B 總人工	C 基本工賃	D 實働工賃	E 手當額及皆勤賞與	F=D+E 實收工賃	G 定額日給 合計	G/A 定額日給 平均	D/C 平均歩率	B/A 平均人工	F/B 一人工平均收入	F/A 一人當平均月收	最高 日給	最高 月收	最低 日給	貸又ハ他工場ヨリ轉入 工場名	貸又ハ他工場ヨリ轉入 人工	貸又ハ他工場ヨリ轉入 工賃	借又ハ他工場ヘ轉出 工場名	借又ハ他工場ヘ轉出 人工	借又ハ他工場ヘ轉出 工賃	臨時拂人員	皆欠勤人員
直接工	一般工																							
	速成工																							
	準見習工																							
	見習工																							
	女工																							
	計																							
間接工	役付 組長																							
	役付 伍長																							
	筆記工																							
	見習筆記工																							
	女筆記工																							
	整理工																							
	圖工																							
	見習圖工																							
	雜工																							
	女雜工																							
	計																							
合計																								

備考

Mar. 19th



愛知航空機株式会社
發動機製作所建物配置図 縮尺 1:2400

工　賃　月　報

（昭和　　年　　月分）

工場名		工場長印		工場取扱者印	

工種		A 支給人員	B 總人工	C 基本工賃	D 實働工賃	E 手當額及皆勤賞與	F=D+E 實收工賃	G 定額日給 合計	G/A 定額日給 平均	D/C 平均歩率	B/A 平均人工	F/B 一人工平均收入	F/A 一人當平均月收	最高 日給	最高 月收	最低 日給	貸又ハ他工場ヨリ轉入 工場名	貸又ハ他工場ヨリ轉入 人工	貸又ハ他工場ヨリ轉入 工賃	借又ハ他工場ヘ轉出 工場名	借又ハ他工場ヘ轉出 人工	借又ハ他工場ヘ轉出 工賃	臨時拂人員	皆欠勤人員
直接工	一般工																							
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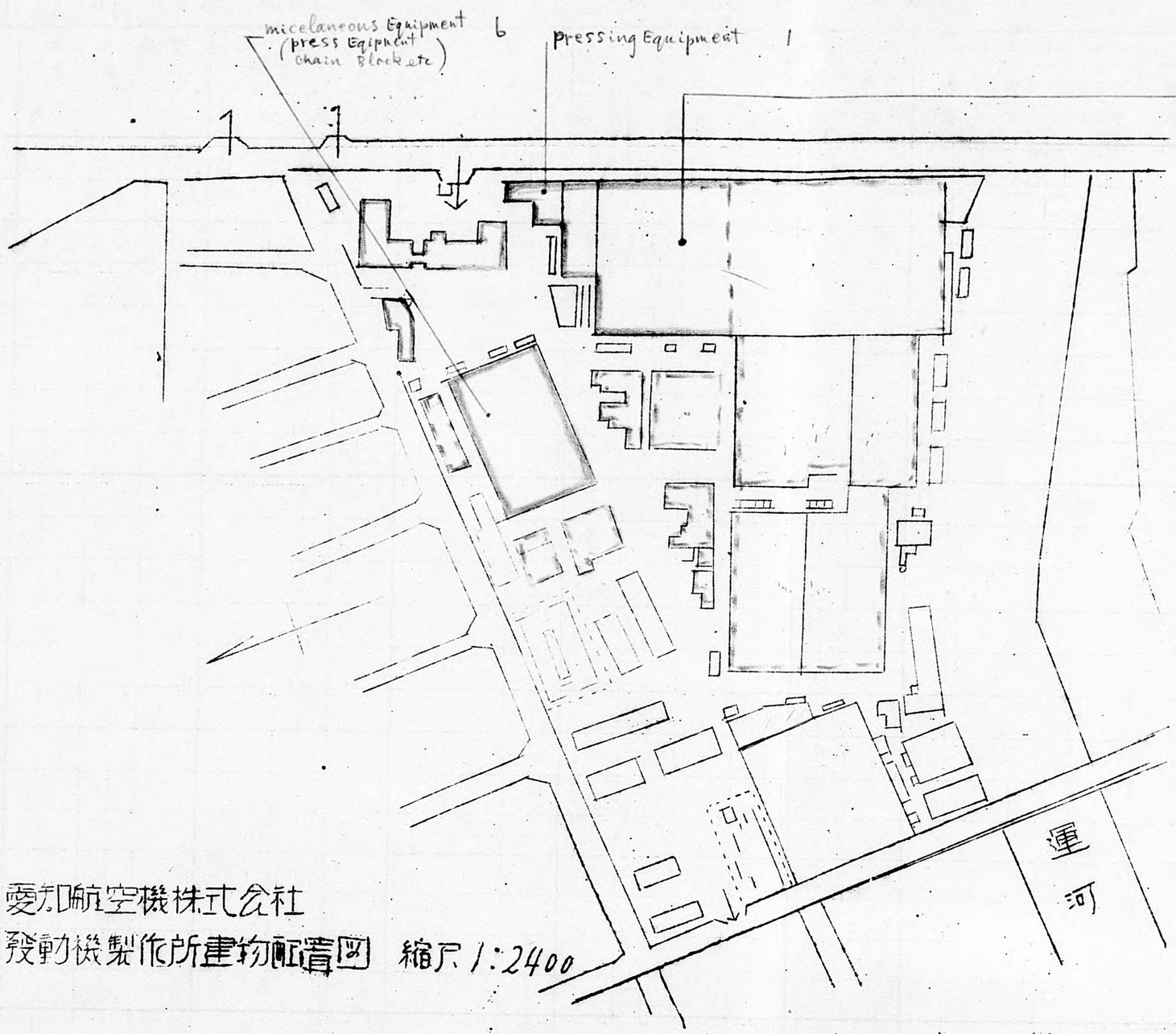
	準見習工																							
	見習工																							
	女工																							
	計																							
間接工	役付 組長																							
	役付 伍長																							
	筆記工																							
	見習筆記工																							
	女筆記工																							
	整理工																							
	圖工																							
	見習圖工																							
	雜工																							
	女雜工																							
	計																							
合計																								

備考

June 9th.

Physical Damage Sustained to Machinery by the Air attach at the Atsuta Plant on June 9th. 1954



愛知航空機株式会社
發動機製作所建物配置図 縮尺 1:2400

Lathe	8	(1)
Drilling Machine	10	(1)
Boring Machine	2	
Milling Machine	4	
Shaper	1	
Grinder	1	(1)
Planer	1	
Horning Machine	2	
Hacksow	0	
The others	3	
Total	32	(3)
	[35]	
motor	71	
measuring Machine	42	(Damaged by the air attack on March 19th. 1941)

( ) shows repairable machines.

工　賃　月　報

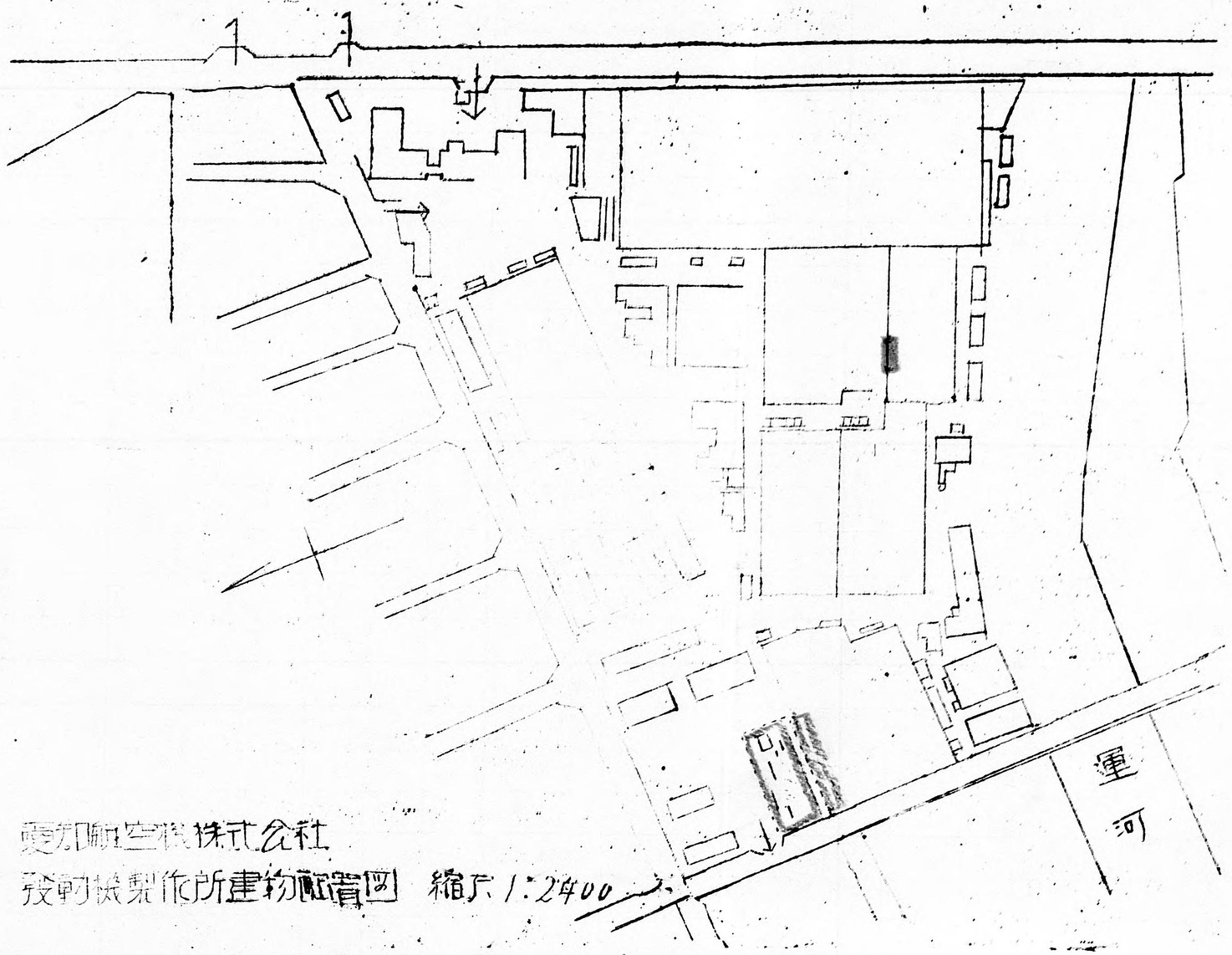
（昭和　　年　　月分）

工場名		工場長印		工場取扱者印	

工種		A 支給人員	B 總人工	C 基本工賃	D 實働工賃	E 手當額及皆勤賞與	F=D+E 實收工賃	G 定額日給 合計	G/A 定額日給 平均	D/C 平均歩率	B/A 平均人工	F/B 一人工平均收入	F/A 一人當平均月收	最高 日給	最高 月收	最低 日給	貸又ハ他工場ヨリ轉入 工場名	貸又ハ他工場ヨリ轉入 人工	貸又ハ他工場ヨリ轉入 工賃	借又ハ他工場ヘ轉出 工場名	借又ハ他工場ヘ轉出 人工	借又ハ他工場ヘ轉出 工賃	臨時拂人員	皆欠勤人員
直接工	一般工																							
	速成工																							
	準見習工																							
	見習工																							
	女工																							
	計																							
間接工	役付 組長																							
	役付 伍長																							
	筆記工																							
	見習筆記工																							
	女筆記工																							
	整理工																							
	圖工																							
	見習圖工																							
	雜工																							
	女雜工																							
	計																							
合計																								

備考

May 17th.



愛知航空機株式会社

發動機製作所建物配置図　縮尺 1:2400

By AIR-A NARA, Date 2/5/71

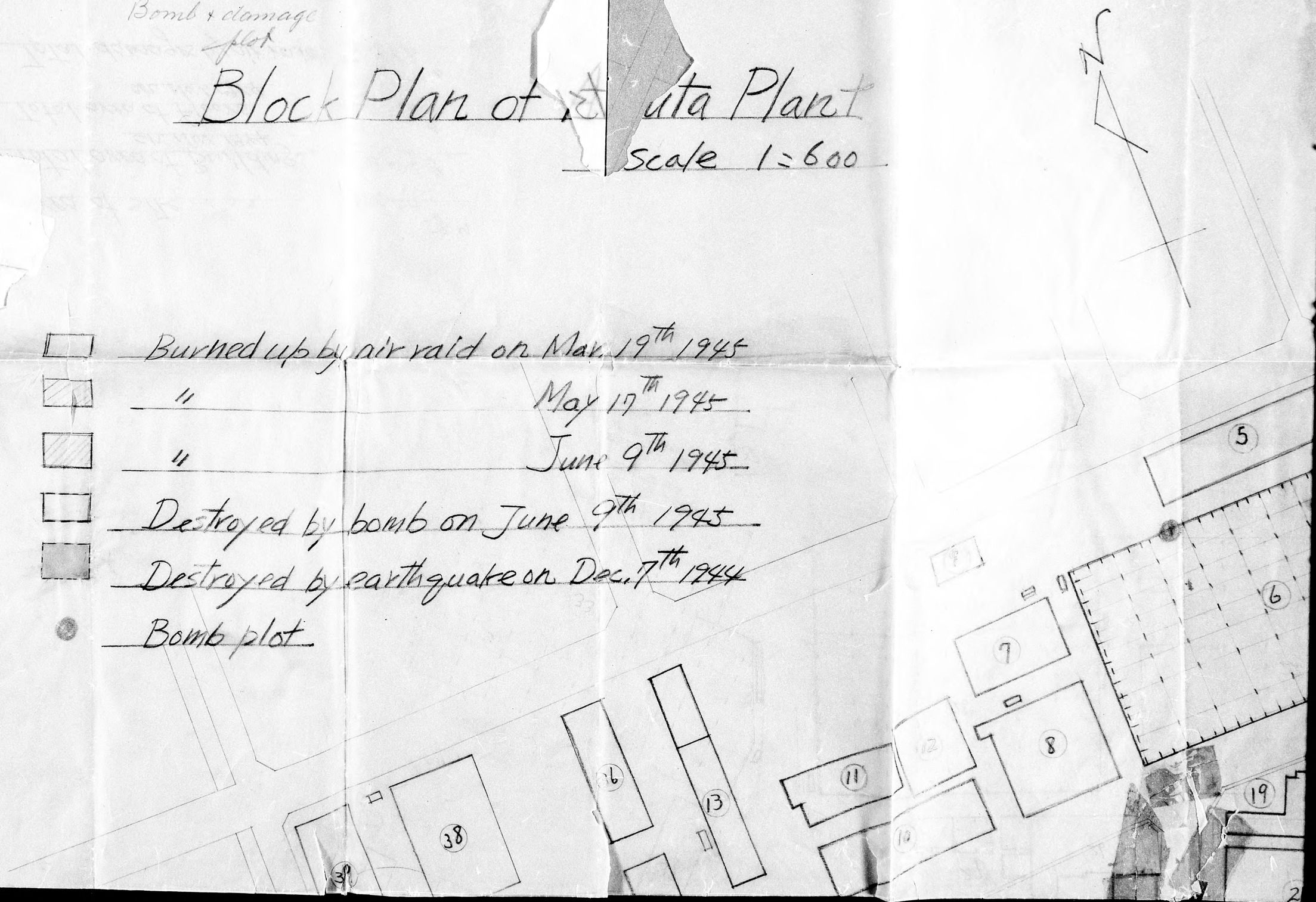
DO NOT USE:

Bomb + damage plot

Block Plan of Kuta Plant

Scale 1:600

- Burned up by air raid on Mar. 19th 1945
- " May 17th 1945
- " June 9th 1945
- Destroyed by bomb on June 9th 1945
- Destroyed by earthquake on Dec. 7th 1944
- Bomb plot



By AR-A NARA, Date 3/8/91

DO NOT USE:

of Atlanta Plant

Scale 1:600

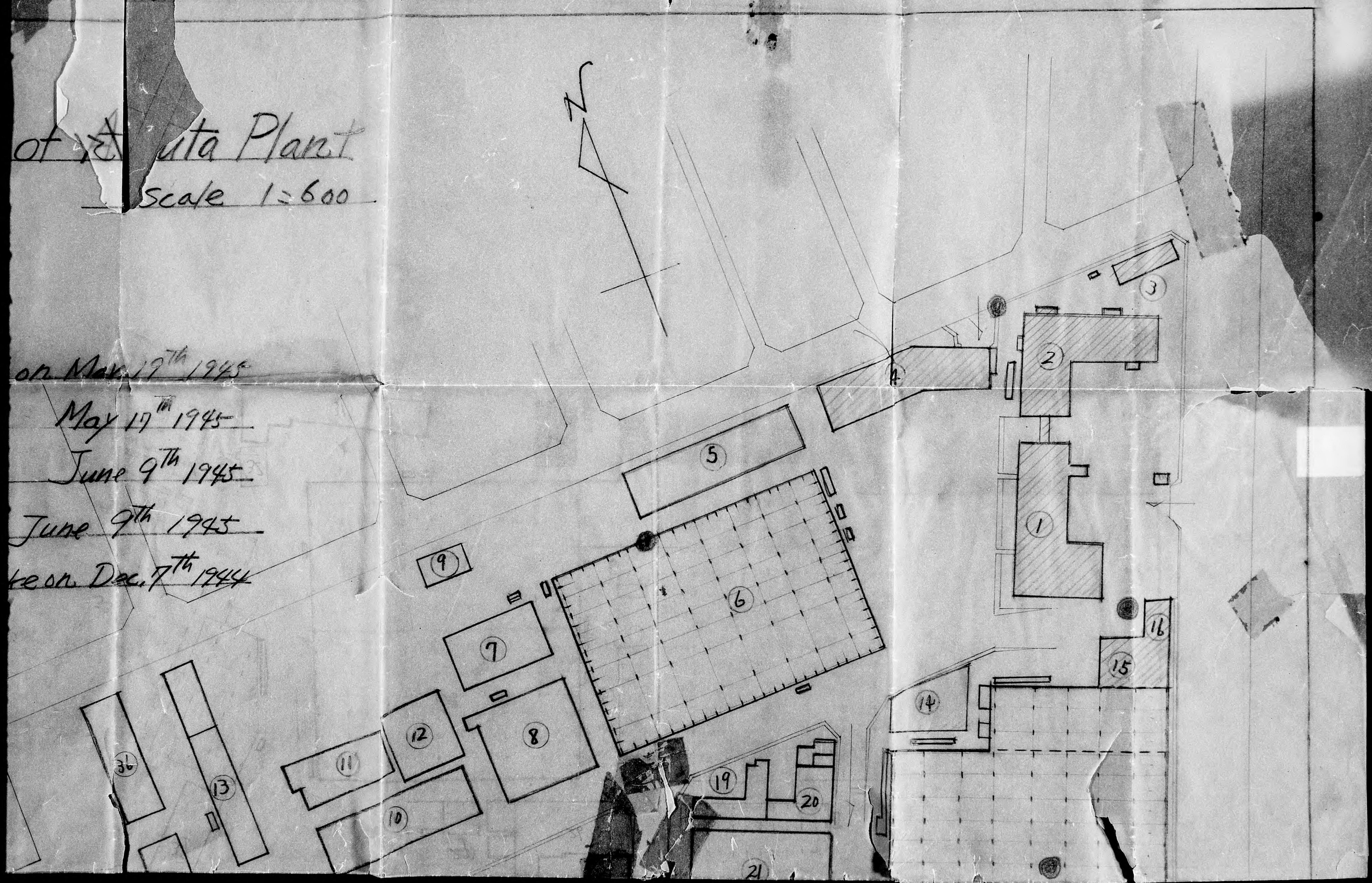
on May 19th 1945

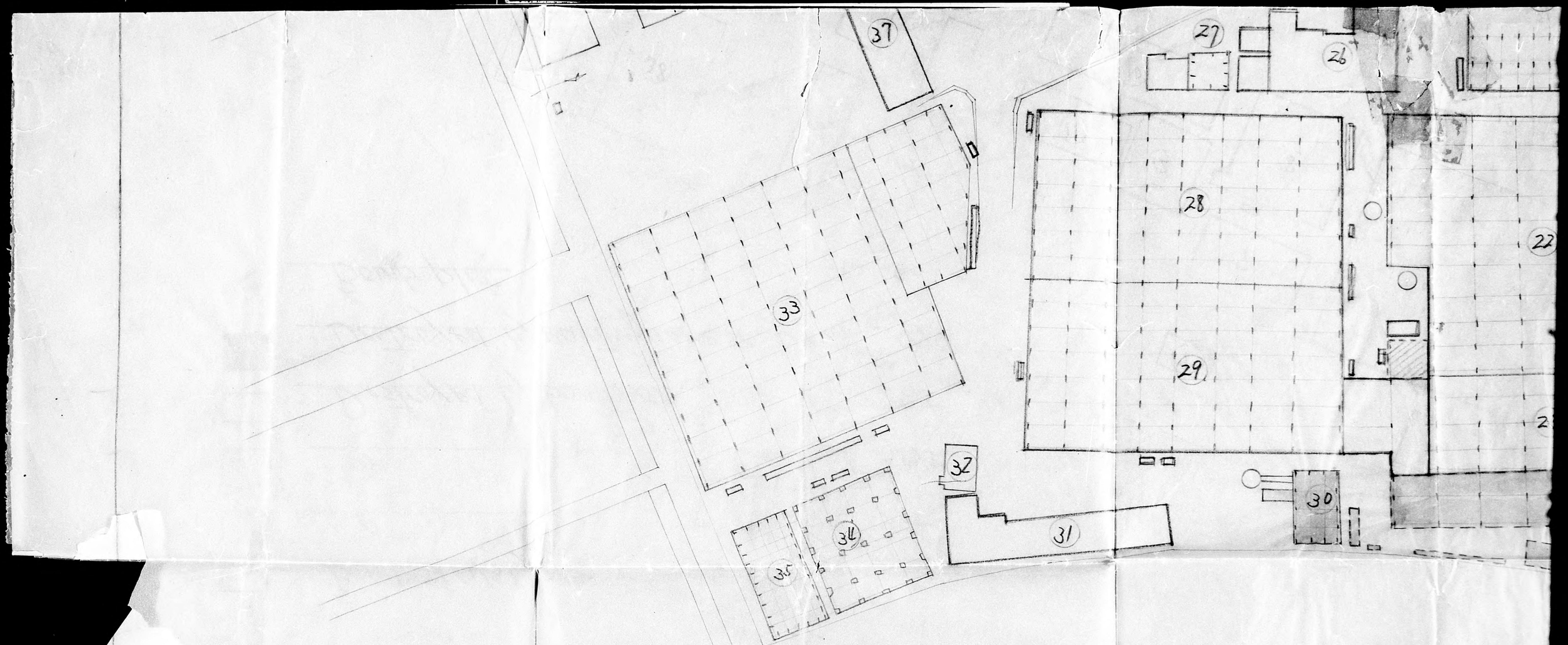
May 17th 1945

June 9th 1945

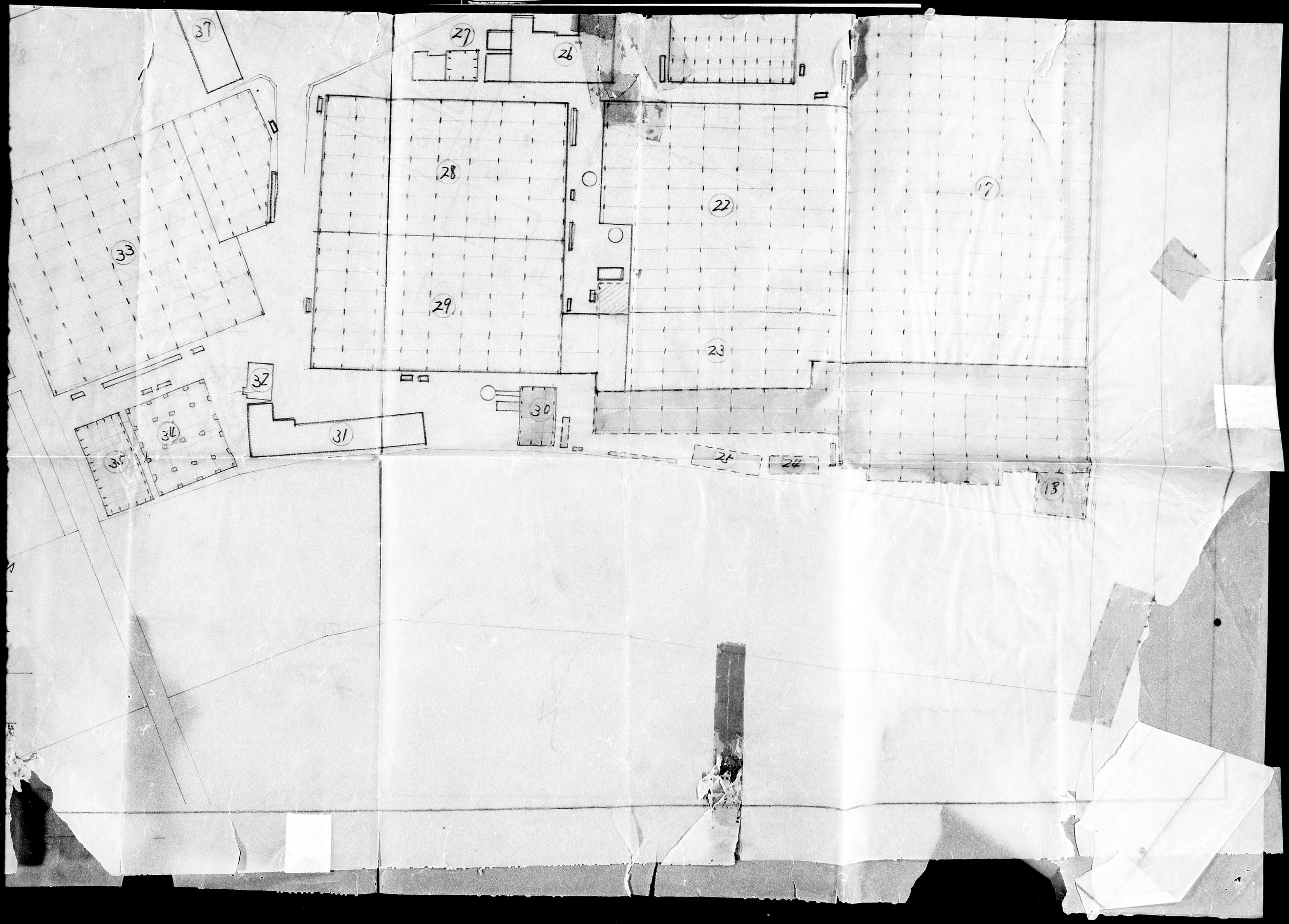
June 9th 1945

te on Dec. 7th 1944





Area of site	73,800 sq.m
Total area of Buildings on Nov. 1944	45,493 "
Total area of floors on Nov. 1944	32,035 "
Total damages by air raids	30,716 "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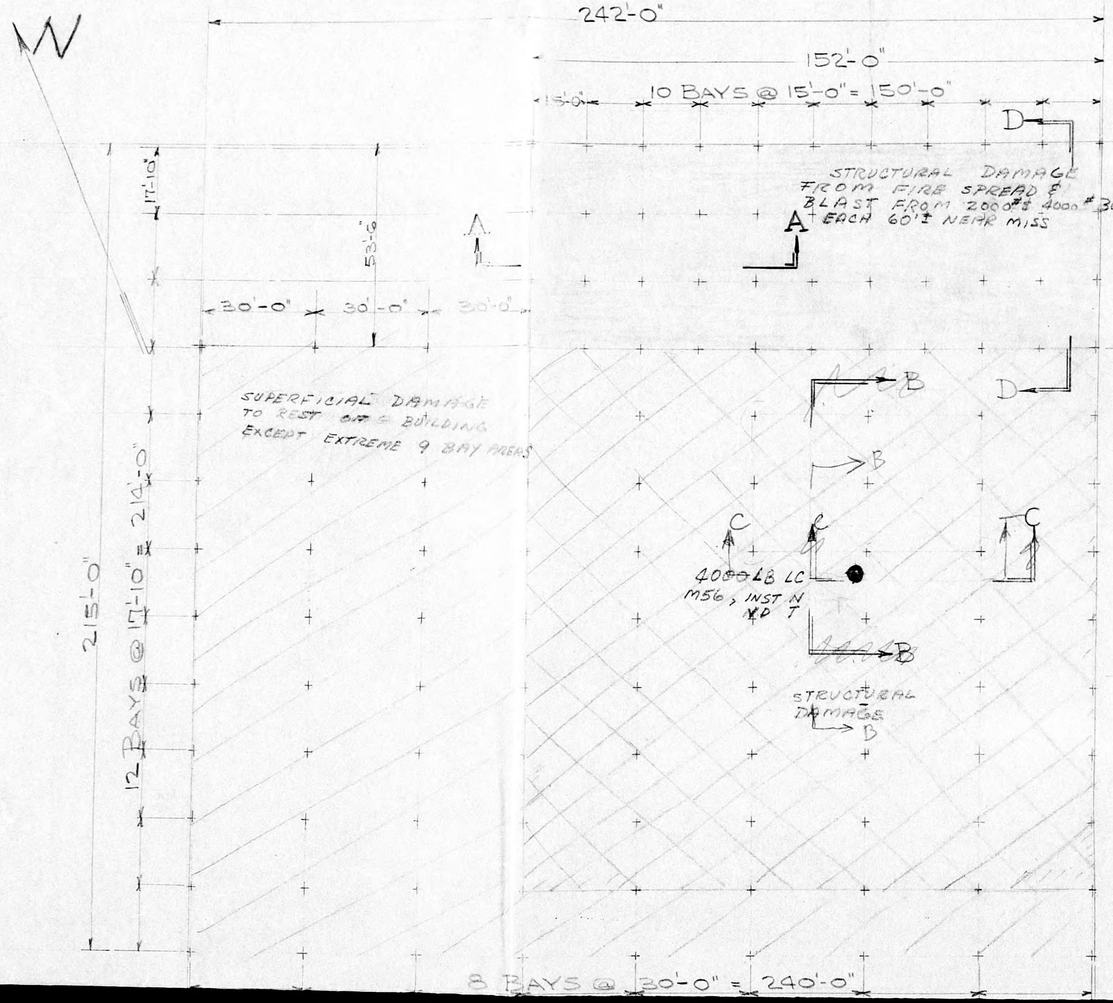
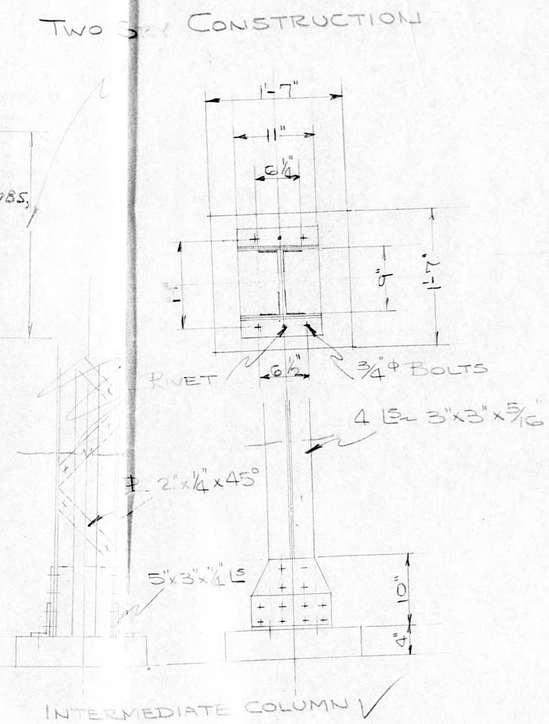
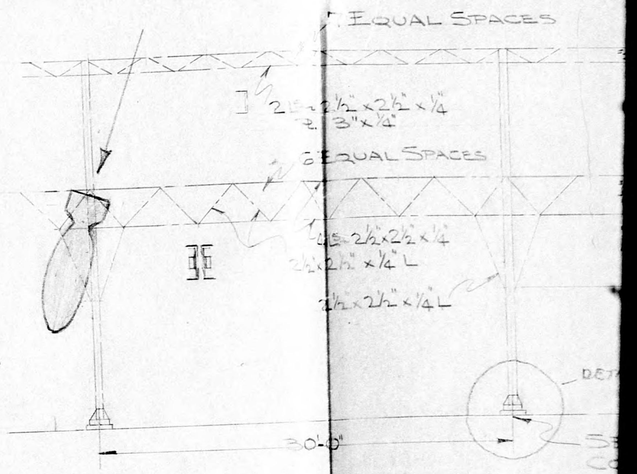
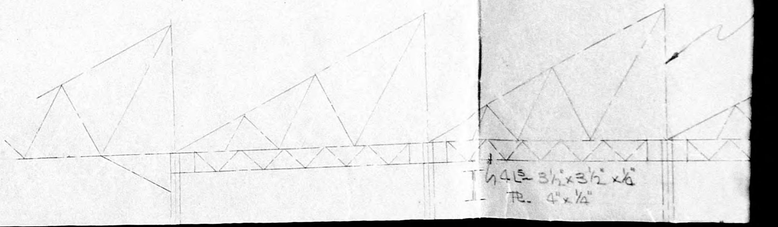
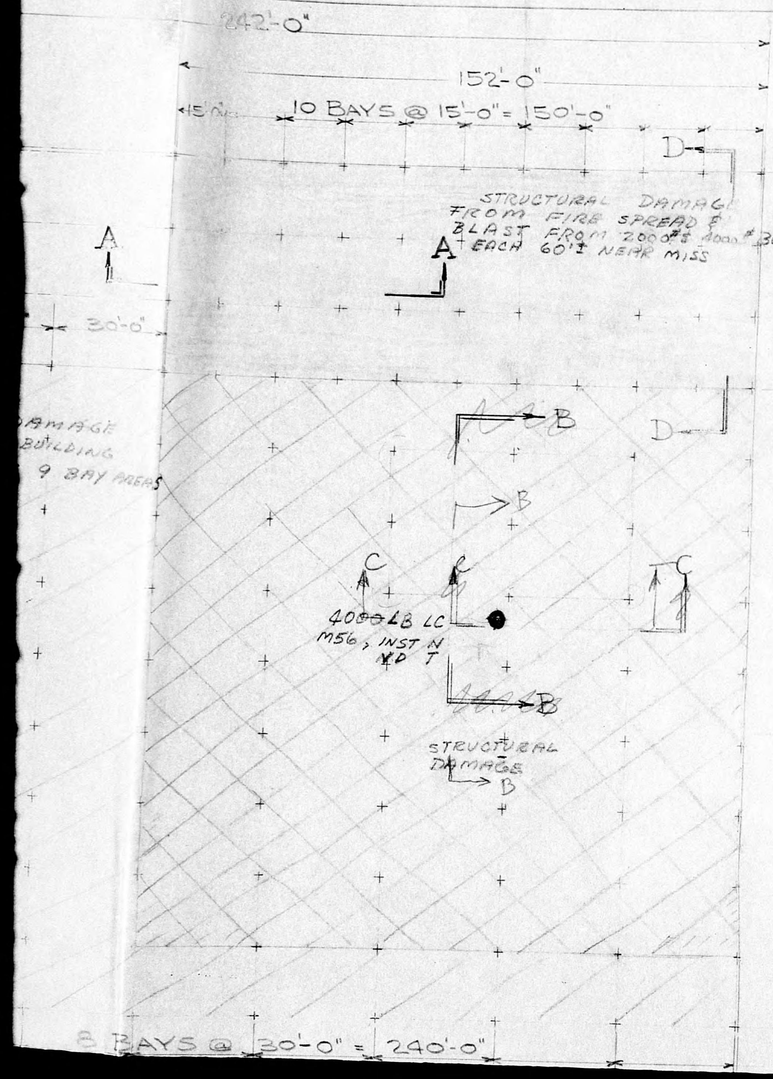

W
242'-0"
152'-0"
10 BAYS @ 15'-0" = 150'-0"
15'-0"
D
STRUCTURAL DAMAGE FROM FIRE SPREAD & BLAST FROM 2000# & 4000# BOMBS, EACH 60'± NEAR MISS
A
A
17'-10"
53'-10"
30'-0"
30'-0"
30'-0"
SUPERFICIAL DAMAGE TO REST OF BUILDING EXCEPT EXTREME 9 BAY PANELS
B
D
B
C
C
C
4000 LB LC
M56, INST N XD T
B
STRUCTURAL DAMAGE
D
215'-0"
12 BAYS @ 17'-10" = 214'-0"
8 BAYS @ 30'-0" = 240'-0"


TWO WAY CONSTRUCTION
1'-7"
11"
6 1/4"
6 1/4"
RIVET
3/4" Φ BOLTS
4 ∠s 3"x3"x5/16
PL. 2"x1/4"x45°
5"x3"x1/4 LS
1'-0"
4"
INTERMEDIATE COLUMN
DETAIL G-G
SCALE 3/4" = 1 FOOT

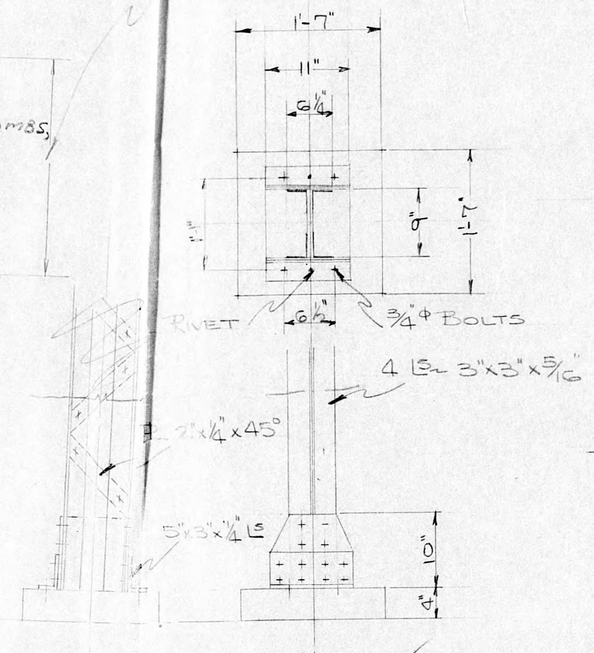

EQUAL SPACES
2 ∠s 2 1/2"x2 1/2"x1/4
PL. 3"x1/4"
6 EQUAL SPACES
∠s 2 1/2"x2 1/2"x1/4
2 1/2"x2 1/2"x1/4 L
2 1/2"x2 1/2"x1/4 L
30'-0"
SECTION C-C
SCALE 1" = 8 FEET


SAW TO SAME
4 ∠s 3 1/2"x3 1/2"x1/4
PL. 4"x1/4"

By HR-M NARA, Date 3/6/91



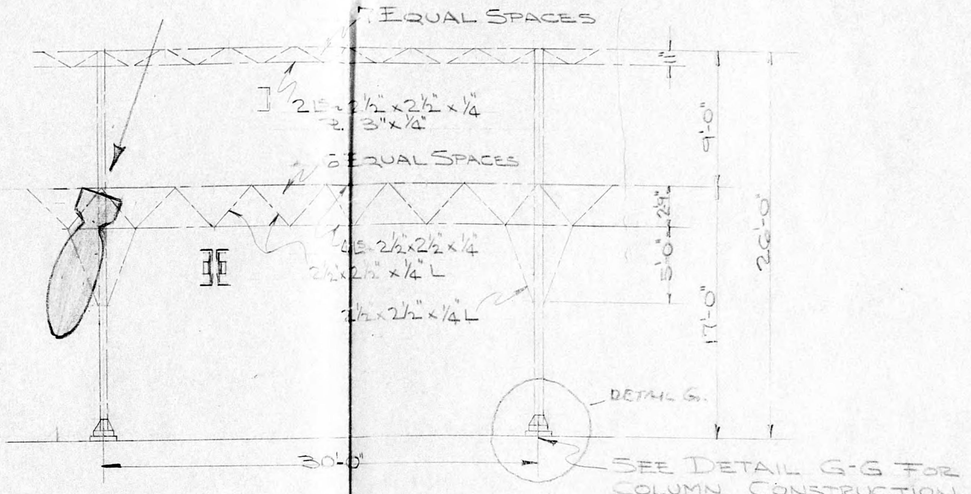
TWO STORY CONSTRUCTION



INTERMEDIATE COLUMN

DETAIL G-G

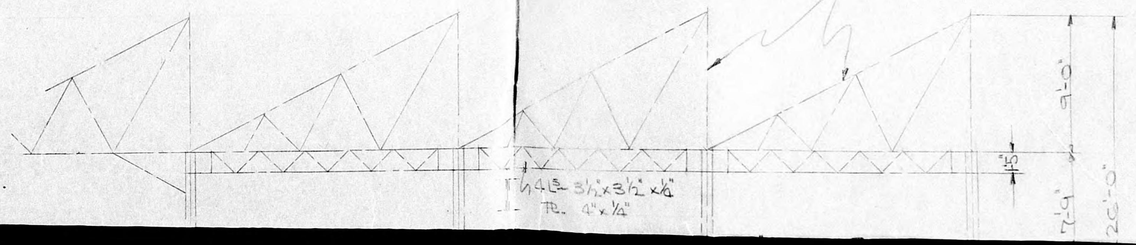
SCALE ¾" = 1 FOOT



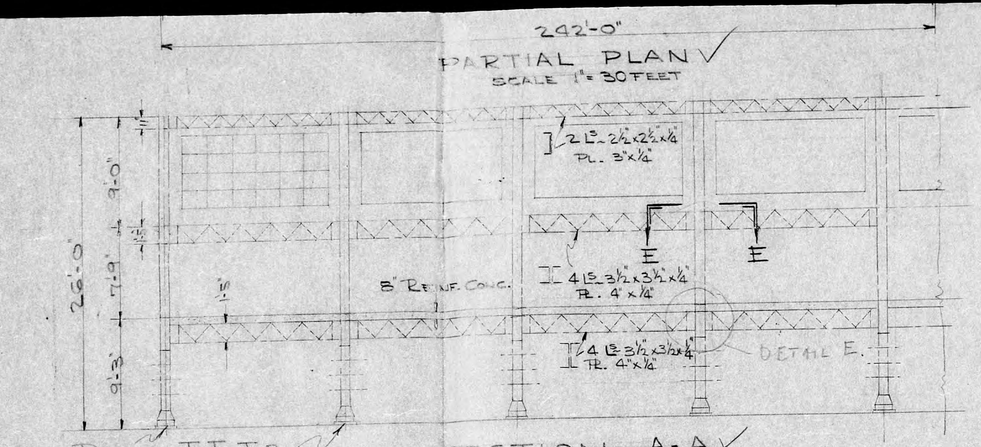
SECTION C-C

SCALE 1" = 8 FEET

SAWTOOTH CONSTRUCTION SAME AS SECTION B-B

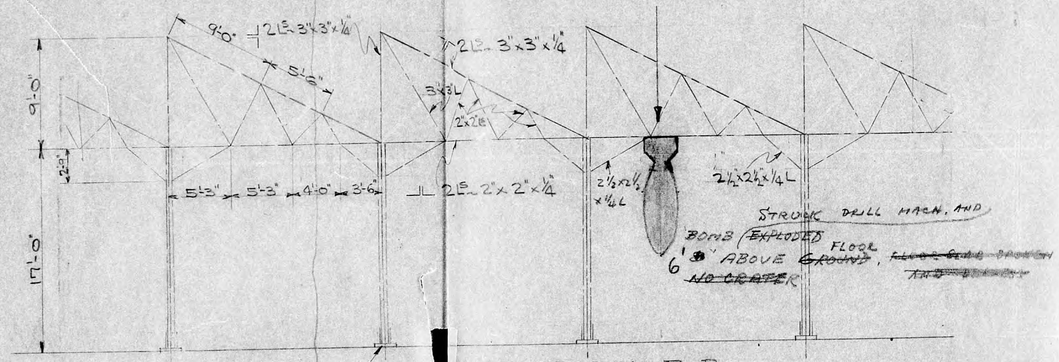


By HR-M NARA, Date 3/6/91



SEE DETAIL F-F FOR COLUMN CONSTRUCTION.

SECTION A-A
SCALE 1" = 8'



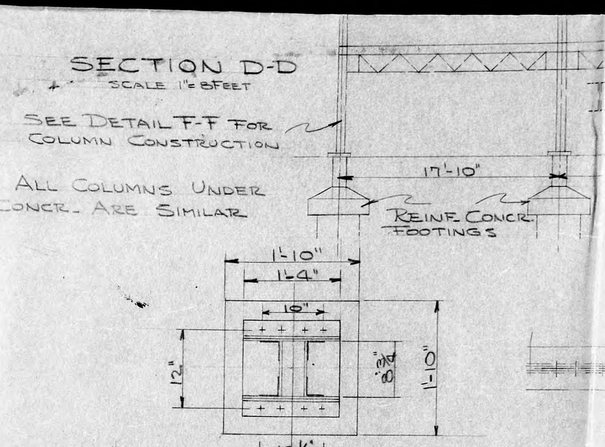
SEE DETAIL G-G FOR INTERMEDIATE COLUMN CONSTRUCTION

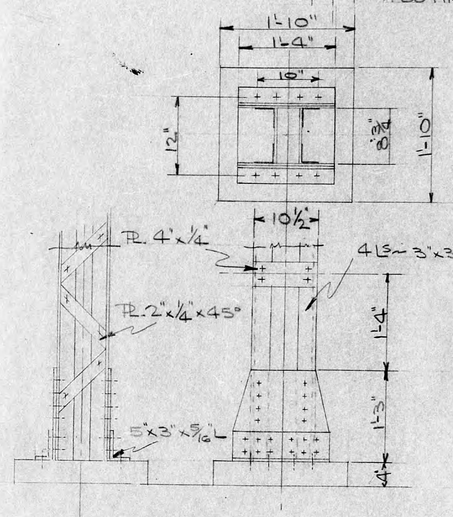
SECTION B-B
SCALE 1" = 8'

SECTION D-D
SCALE 1" = 8 FEET

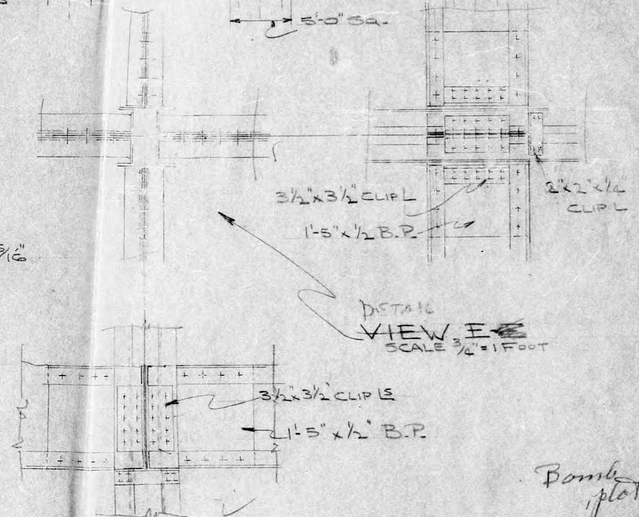
SEE DETAIL F-F FOR COLUMN CONSTRUCTION

NOTE:- ALL COLUMNS UNDER REINF. CONCR. ARE SIMILAR





MAIN COLUMNS
DETAIL F
SCALE ¾" = 1 FOOT



DETAIL VIEW E
SCALE ¾" = 1 FOOT

DETAIL E

Bomb plot

BUILDING # 17
AICHI AIRCRAFT PLANT
ATSUTA BRANCH
TARGET NO.
SCALE AS NOTED
C. QUALLER

1

Block Plan of Atsuta Plant

Bomb plot

Scale 1:600

Burned up by air raid on Mar. 19th 1945

"

Mar. 17th 1945

June 9th 1945

Destroyed by bomb on June 9th 1945

Destroyed by earthquake on Dec. 7th 1944

Bomb plot

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

Block Plan of Atsuta Plant

Scale 1:600

Bomb plot

Burned up by air raid on Mar. 19th 1945

" June 9th 1945

Destroyed by bomb on June 9th 1945

Destroyed by [illegible] on Dec. 7th 1944

Bomb plot

By HR-M NARA, Date 3/6/91

Area of Site	73,800	Sq. M.
Total area of Buildings on Nov. 1944	45,493	"
Total area of floors on Nov. 1944	42,035	"
Total damages by air raids	30,916	"

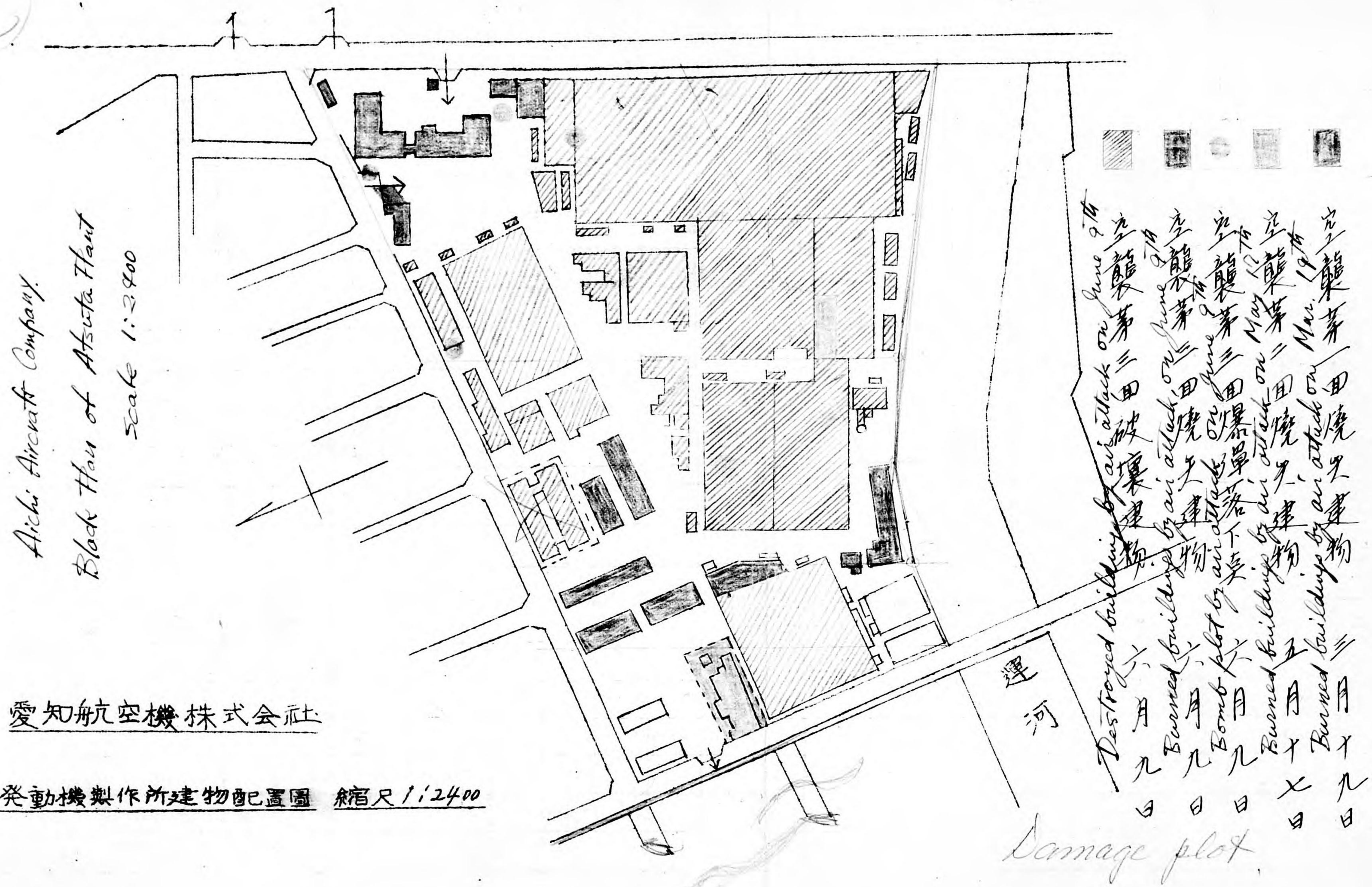
Authority NND 790021
By HR-M NARA, Date 3/5/91

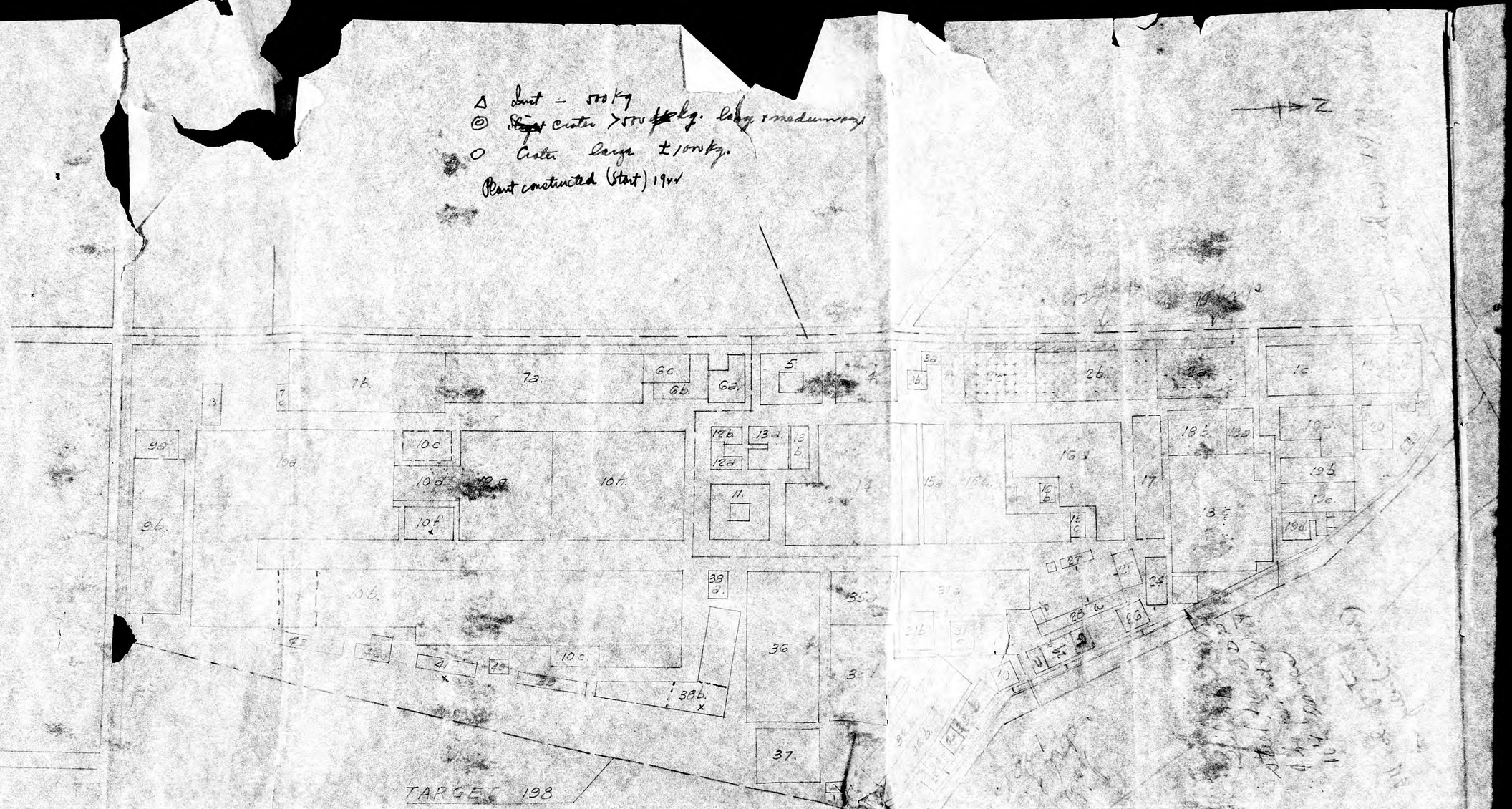
		人員	工賃	工賃	皆勤賞與	工賃	合計	平均	歩率	人工	收入	月收	日給	月收	日給	工場名	人工	工賃	工場名	人工	工賃	員	員
直接工	一般工																						
	速成工																						
	準見習工																						
	見習工																						
	女工																						
	計																						
間接工	役付 組長																						
	役付 伍長																						
	筆記工																						
	見習筆記工																						
	女筆記工																						
	整理工																						
	闘工																						
	見習闘工																						
	雑工																						
	女雑工																						
	計																						
合計																							

備考

490

(a)


Aichi Aircraft Company.
Block Hour of Atsuta Plant
Scale 1:2400
運河
Destroyed buildings by air attack on June 9th
六月九日 空襲 三棟破壊
Burned buildings by air attack on June 9th
六月九日 空襲 三棟焼失
Bomb plot by air attack on May 12th
六月九日 空襲 爆弾落下
Burned buildings by air attack on May 19th
五月十七日 空襲 焼失建物
Burned buildings by air attack on
十月十九日 空襲 三棟焼失建物
Damage plot
愛知航空機株式会社
発動機製作所建物配置図 縮尺 1:2400



TARGET 198 ATSUTA PLANT
AICHI AIRCRAFT WORKS
NAGOYA AREA LAT. 35° 07' 24" N.

Authority NND 790021
By HR-M NARA, Date 3/5/91

TARGET 198 ATSUTA PLANT
AICHI AIRCRAFT WORKS
NAGOYA AREA

LAT. 35° 07' 24" N.
LONG. 136° 54' 10" E.