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1959

A management survey ... Simmons Machine Tool Corp., Albany, N.Y. Volume 3

Abel, R. L.

<http://hdl.handle.net/10945/14405>



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NPS ARCHIVE
1959/V.3
ABEL, R.

A MANAGEMENT SURVEY
SIMMONS MACHINE TOOL CORPORATION,
ALBANY, NEW YORK
V. 3

R. L. ABEL
AND OTHERS

17KS ARCHIVE
R59 / V3
AR 2, R.

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Hble, R.L.

MANAGEMENT SEMINAR

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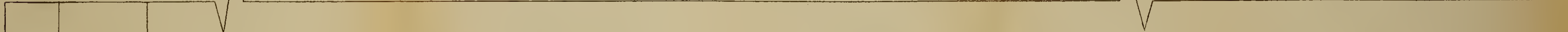
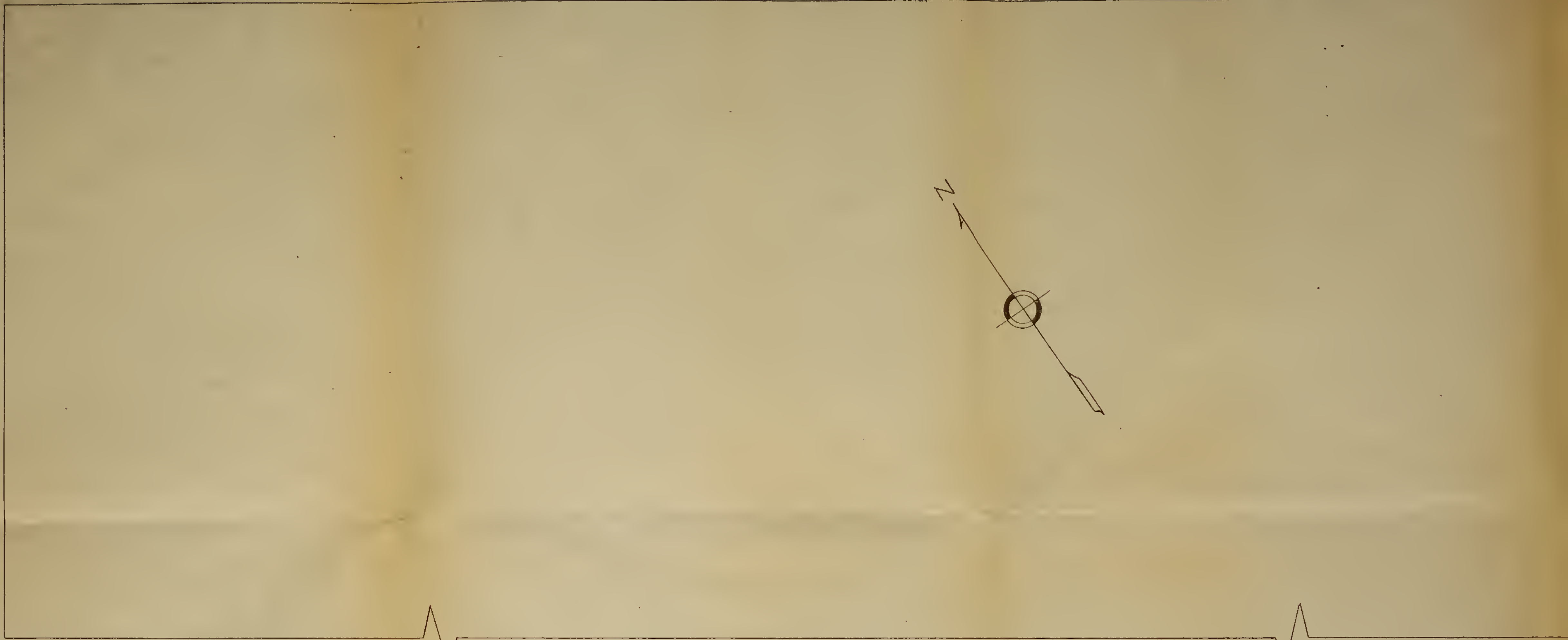


MANAGEMENT SURVEY

OF THE

SIMMONS MACHINE TOOL CORPORATION

ALBANY, NEW YORK



PROPERTY LINE

PROPERTY LINE

KINGSTON STREET

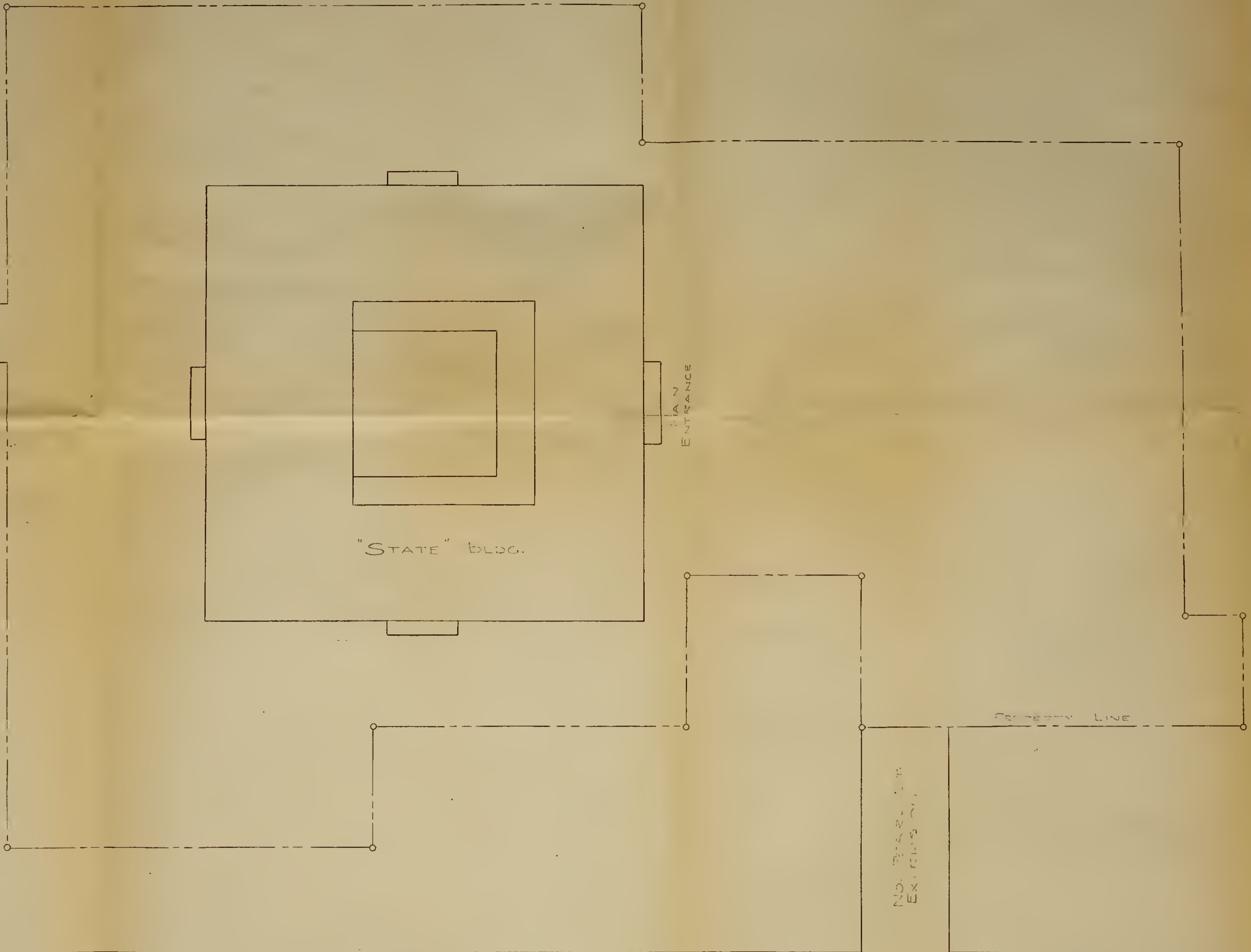
"STATE" BLDG.

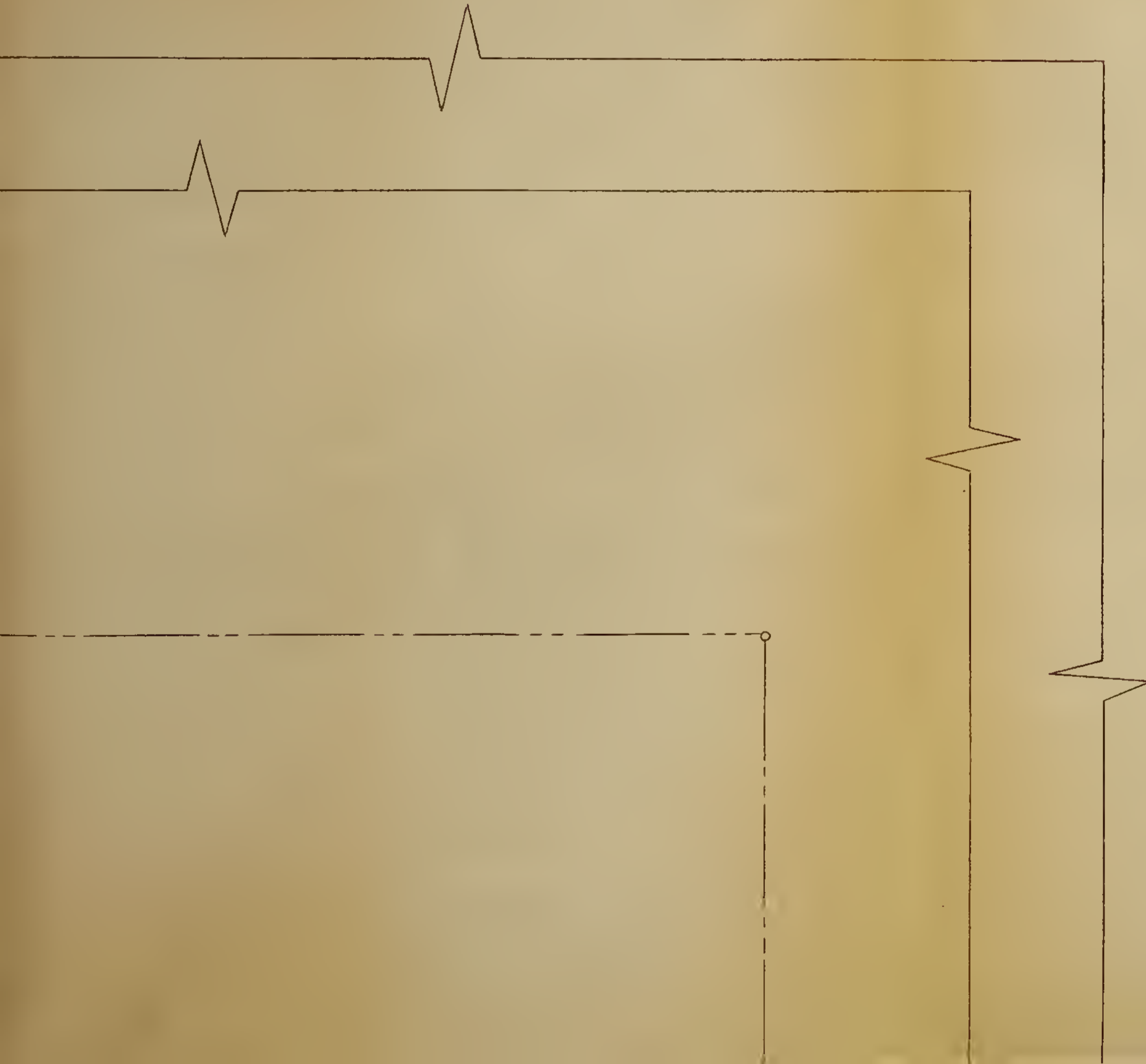
MAIN ENTRANCE

PROPERTY LINE

E
W
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W

AMSTERDAM AVENUE





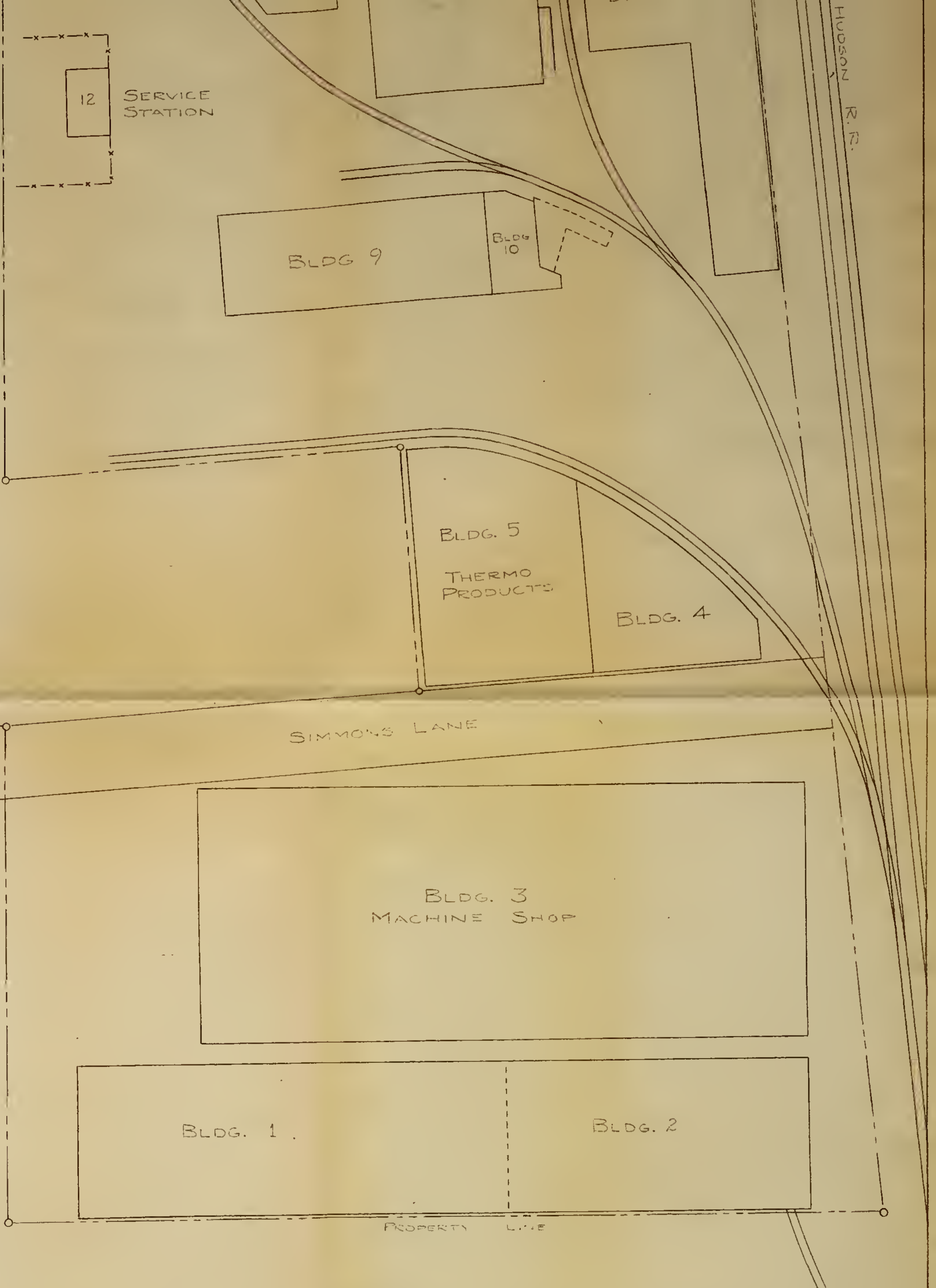
BROADWAY



DELAWARE & HUDSON R.R.



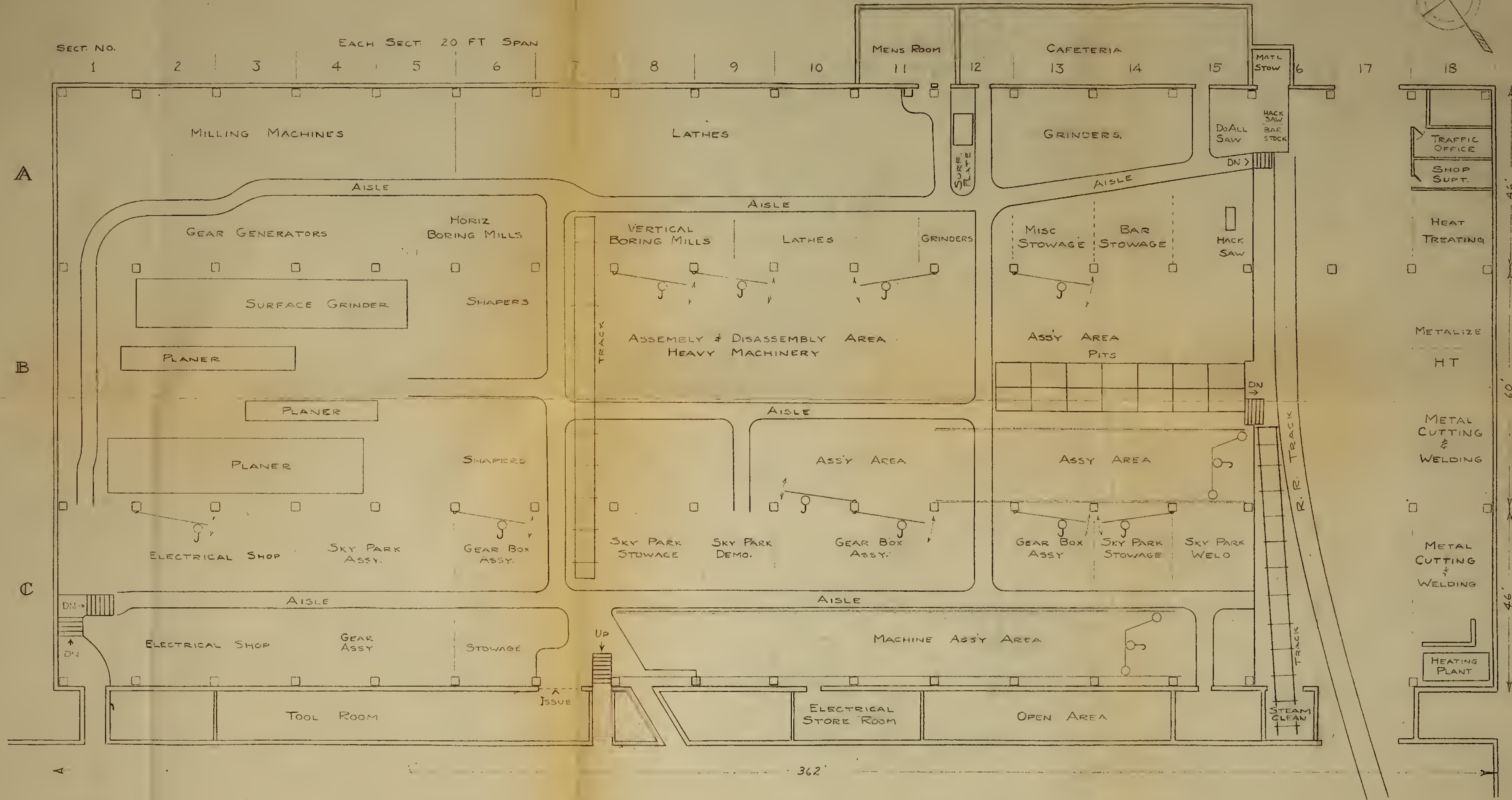
BROADWAY



NAVY POSTGRADUATE PROGRAM
 RENSSELAER POLYTECHNIC INSTITUTE
 MANAGEMENT ENGINEERING SEMINAR G 680

SIMMONS MACHINE TOOL CORPORATION
 ALBANY, NEW YORK
 BUILDINGS AND PROPERTY
 DATE 15 MAR 1959 SCALE 1 INCH = 50 FT.

DWG. NO. 1



LEGEND

- BUILDING COLUMN
- JIB CRANE 1 TON "BUGIT" HOIST
- TRAVELING HOIST 2 TON CAP.

NOTES

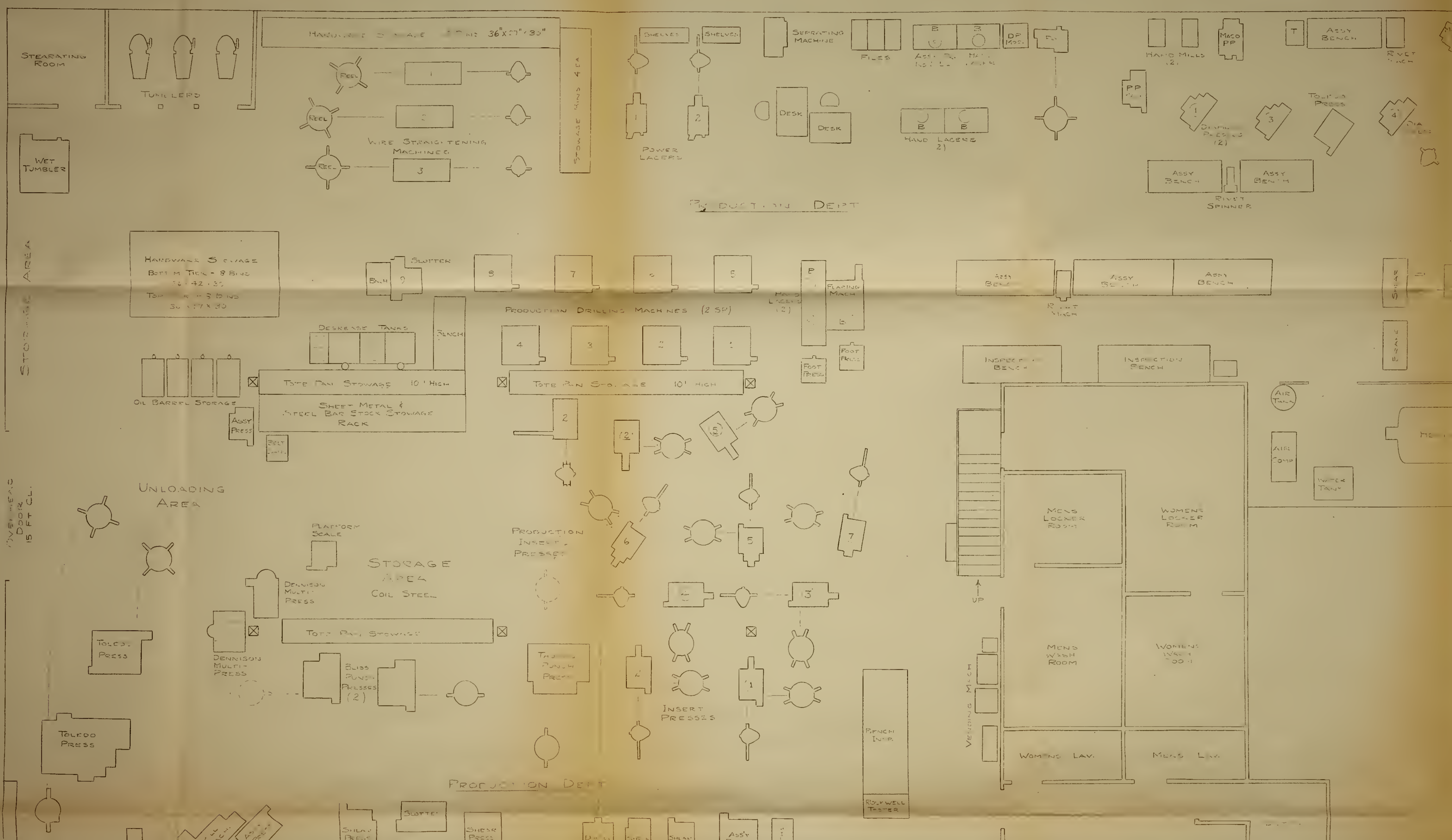
1. SIDE BAYS A & C CLEARANCE 30', 20' TO CRANE RAILS
2. CENTER BAY B CLEARANCE 40', 30' TO CRANE RAILS
3. CRANES BAYS A & C ONE EACH WHITING 20 TON
BAY B TWO EACH 50 TON
4. POWER AC 3ϕ 220 V Δ 200 KVA.
DC 230 V. 225 KW. (2 ea. 100 KW MG SETS + 25 KW AUX.)
AIR 100 PSI 4 15 HP UNITS
5. LIGHTING FLUORESCENT FIXTURES 10 FOOT SPACING
INCANDESCENT 1000 WATT ON 20 FOOT CENTERS ALTERNATING WITH
MERCURY VAPOR ON 20 FOOT CENTERS

NAVY POSTGRADUATE PROGRAM
RENSSELAER POLYTECHNIC INSTITUTE
MANAGEMENT ENGINEERING SEMINAR G 680

SIMMONS MACHINE TOOL CORPORATION
ALBANY, NEW YORK
MACHINE SHOP LAYOUT - BLDG No 3
DATE 24 FEB 1959 SCALE 1/16 IN. = 1 FT.

DWG No. 2

Thesis
B104
W.R.



PRODUCTION DEPT

PRODUCTION DEPT

HANDWARE STORAGE
BOTTOM TIER - 8 BINS
36'x42'x30'
TOP TIER - 3 BINS
36'x77'x30'

TOTE PAN STORAGE 10' HIGH
SHEET METAL &
STEEL BAR STOCK STORAGE
RACK

TOTE PAN STORAGE 10' HIGH

STORAGE AREA
COIL STEEL

TOTE PAN STORAGE

TOLEDO
PRESS

TOLEDO
PRESS

MEN'S
WASH
ROOM

WOMEN'S
WASH
ROOM

WOMEN'S LAV.

MEN'S LAV.

MEN'S
LOCKER
ROOM

WOMEN'S
LOCKER
ROOM

BENCH
INSTR.

ROLWELL
TESTER

STORAGE AREA

OVERHEAD
DOOR
15 FT CL.

STEERING
ROOM

WET
TUMBLER

TURNERS

HANDWARE STORAGE 36'x77'x30'

WIRE STRAIGHTENING
MACHINES

POWER
LACERS

DESK

DESK

HAND LACERS
(2)

HAND MILLS
(2)

ASSY
BENCH

ASSY
BENCH

RIVET
SPINNER

SLOTTER

PRODUCTION DRILLING MACHINES (2 SP)

FLARING
MACH

FOOT
PRESS

FOOT
PRESS

INSPECTION
BENCH

INSPECTION
BENCH

ASSY
BENCH

ASSY
BENCH

ASSY
BENCH

MEN'S
LOCKER
ROOM

WOMEN'S
LOCKER
ROOM

MEN'S
WASH
ROOM

WOMEN'S
WASH
ROOM

WOMEN'S LAV.

MEN'S LAV.

BENCH
INSTR.

ROLWELL
TESTER

SLOTTER

SHEAR
PRESS

TOLEDO
PRESS

TOLEDO
PRESS

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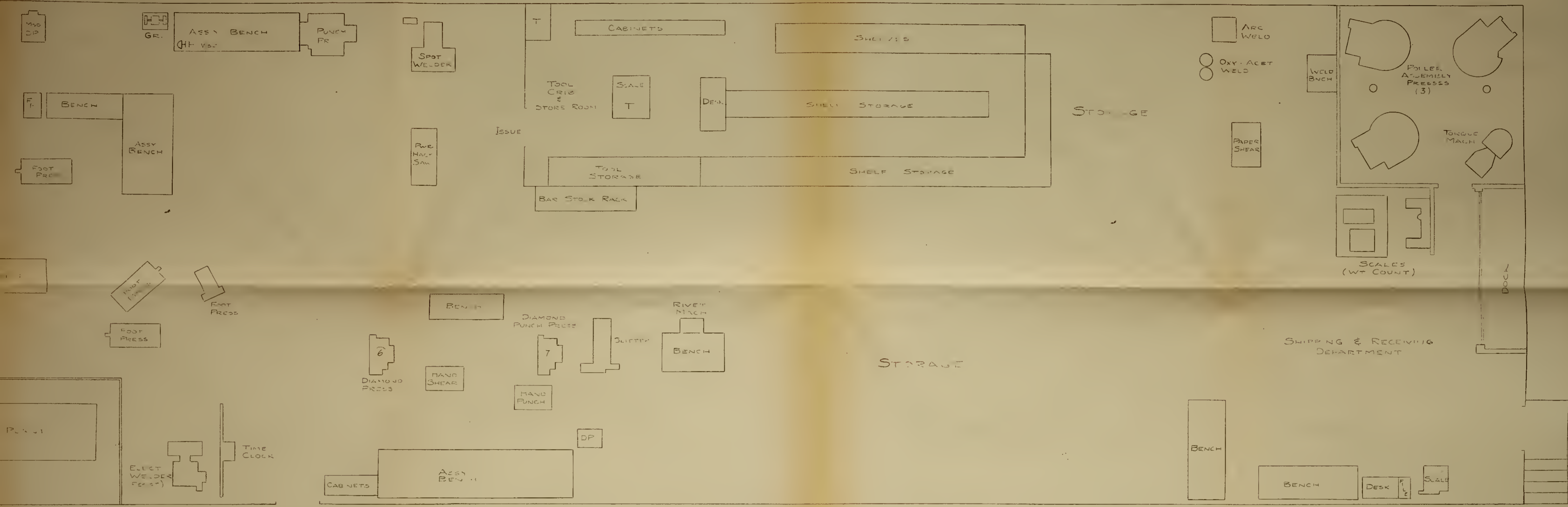
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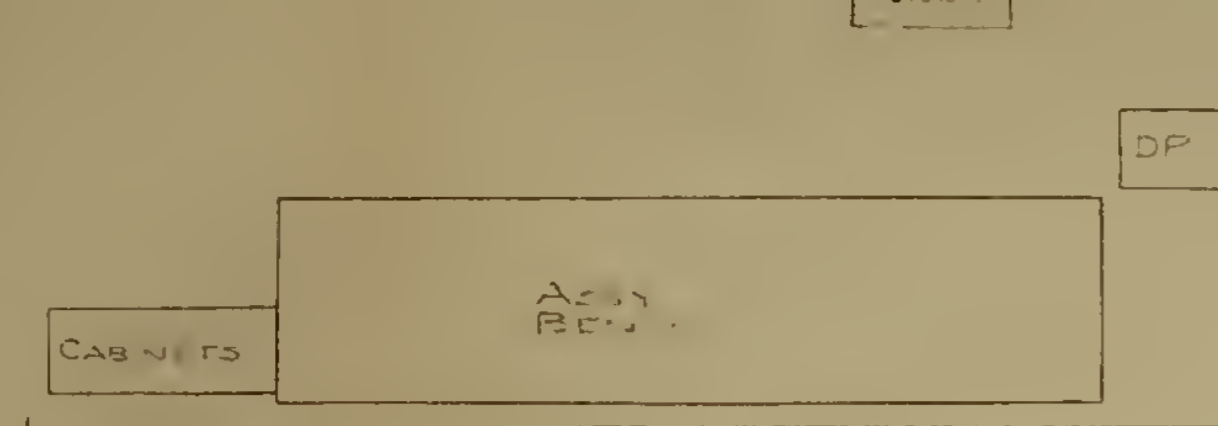
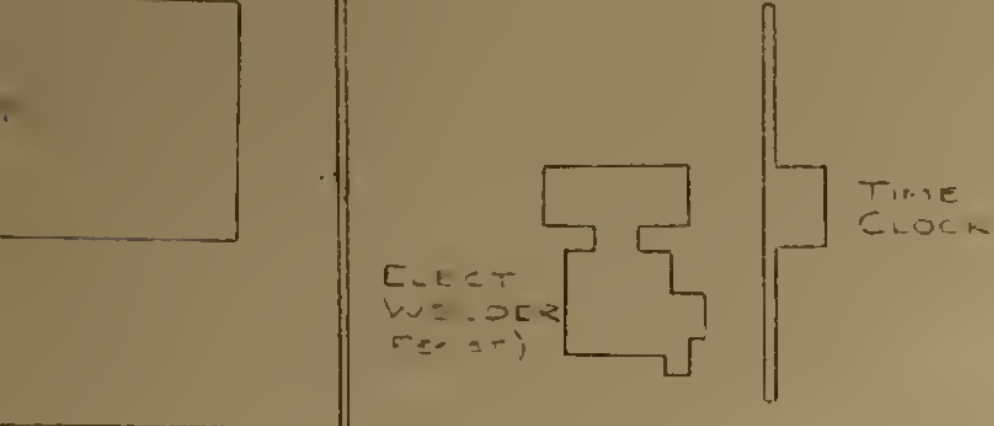
ASSY
PRESS



LEGEND

- ☒ ROOF SUPPORT COLUMN
- ⊙ MATERIAL REELS, WIRE
- ⊙ STEEL STRIP
- ⊙ BENCH
- B (M) BENCH, METAL DR
- T TABLE
- TT TOOL TABLE
- DP DRILL PRESS
- PD PUNCH PRESS
- PR PRESS





LEGEND

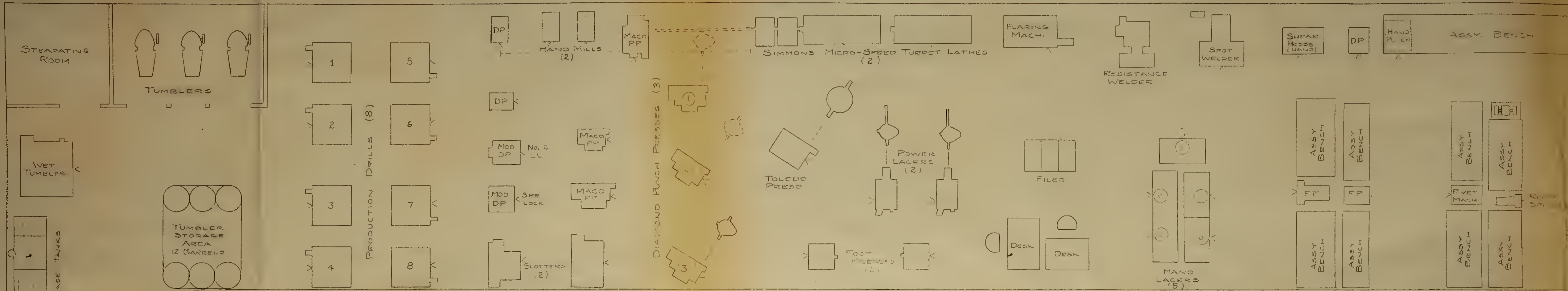
ROOF SUPPORT COLUMN

MATERIAL REELS
WIRE
STEEL
STRIP

BENCH
BENCH, METAL TOP
TABLE
TOOL TABLE
DRILL PRESS
PUNCH PRESS
PRESS

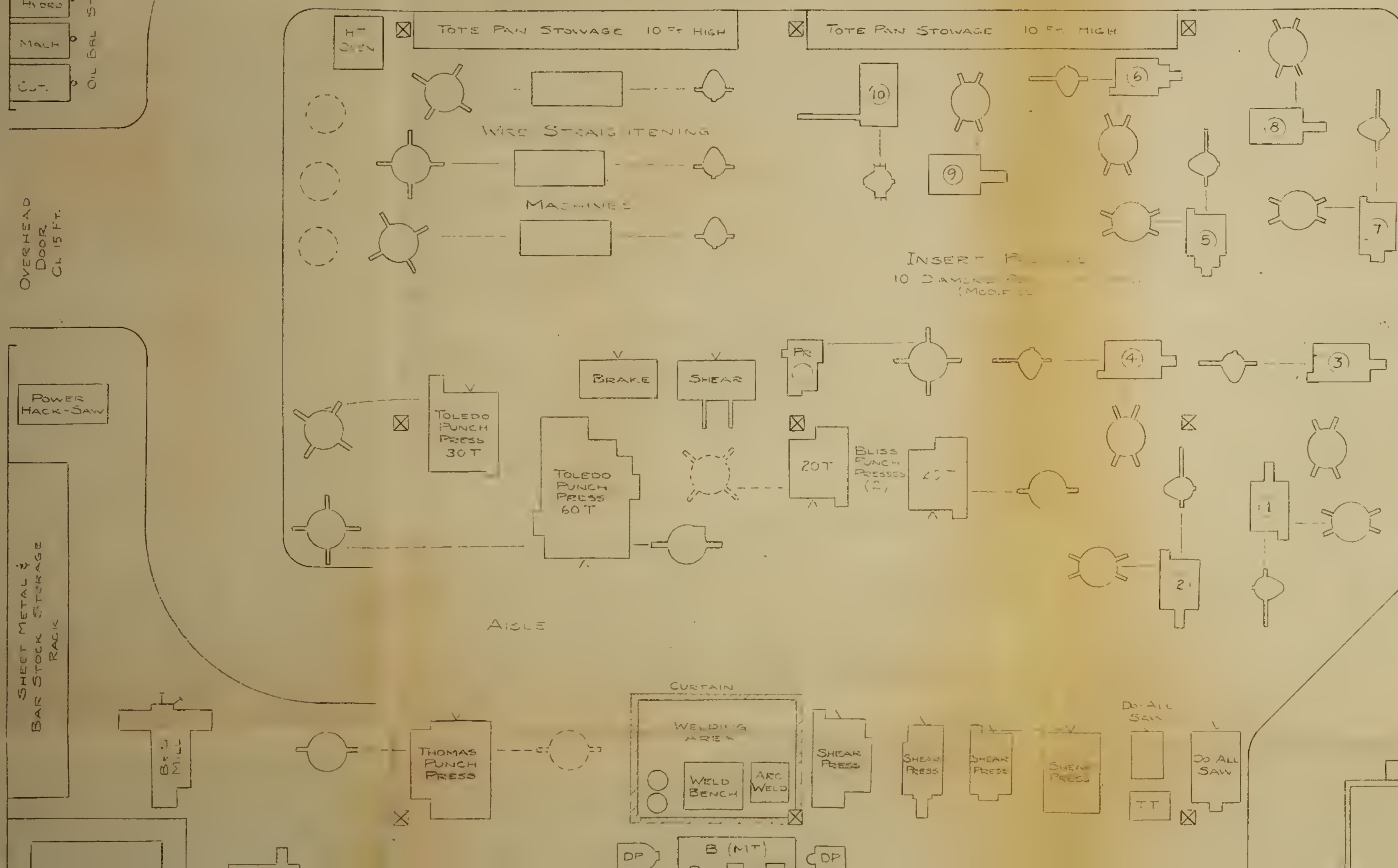


NAVY POSTGRADUATE PROGRAM RENSSELAER POLYTECHNIC INSTITUTE MANAGEMENT ENGINEERING SEMINAR G 630	
SIMMONS MACHINE TOOL CORPORATION FASTENER DIVISION SHOP LAYOUT BLDG 18	
DATE 7-1-59	SCALE 1/4 IN. = 1 FT.
DWG No.	3

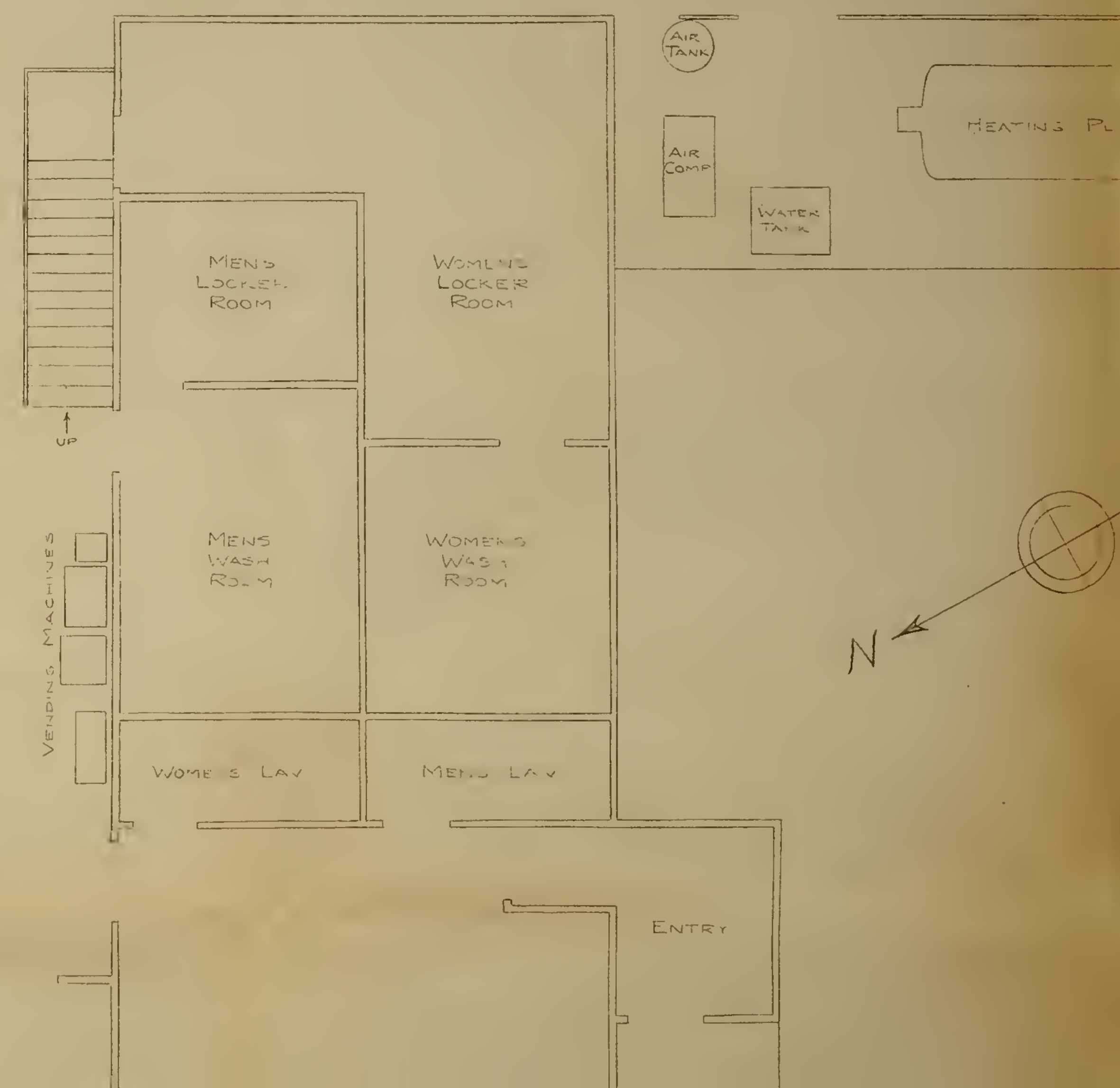


AISLE 7 FT.

AISLE



AISLE



OVERHEAD DOOR, CL 15 FT.

POWER HACK-SAW

SHEET METAL & BAR STOCK STORAGE RACK

TOOL CRIB & DIE STORAGE

TOOL

GRINDERS (5)

SPINNING LATHE

SPINNING LATHE

LATHE (VDD)

BRASS LATHE

SHAPER

SHAPER

SHAPER

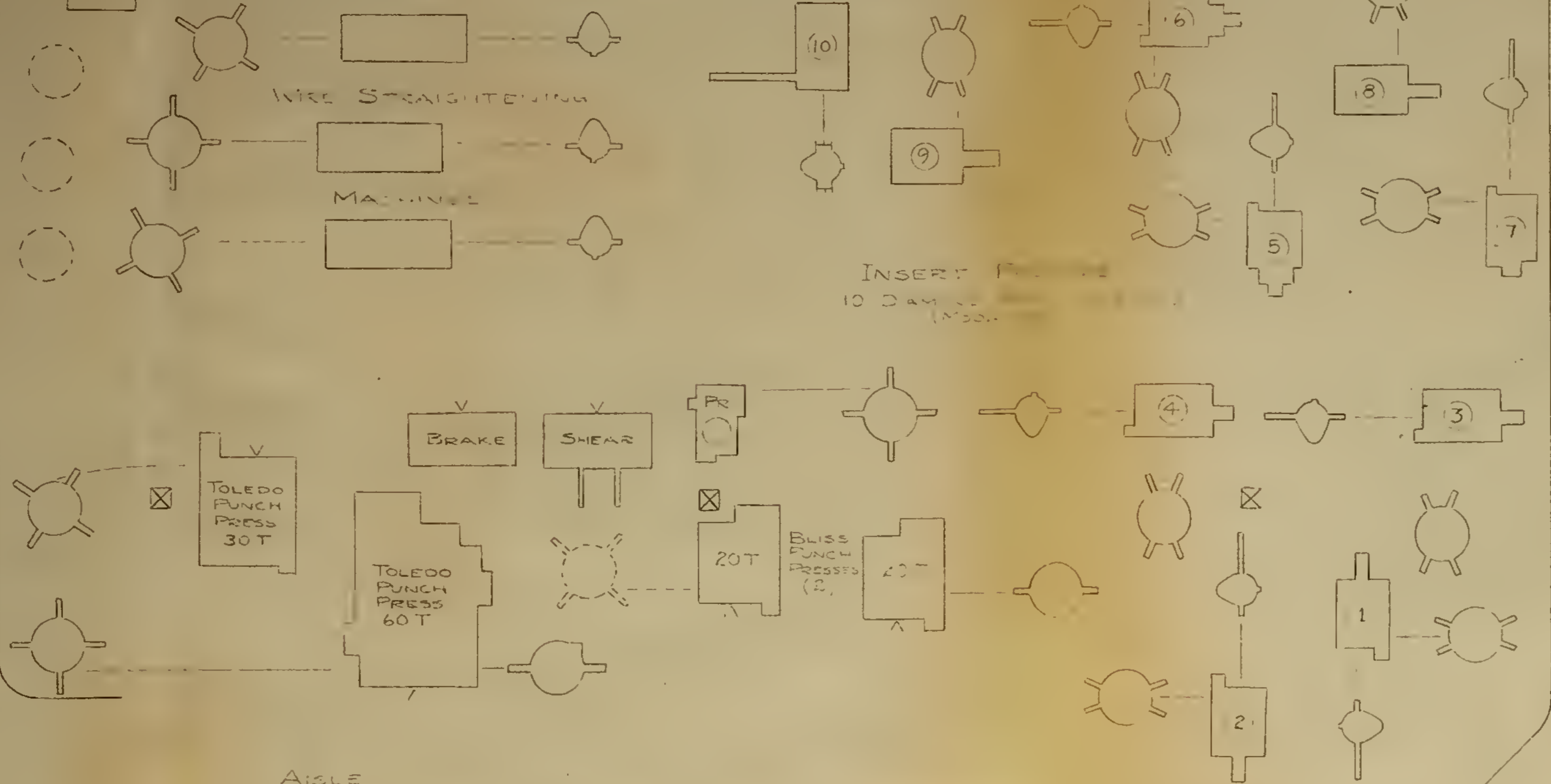
SHAPER

THERMO ELECTRIC OVEN

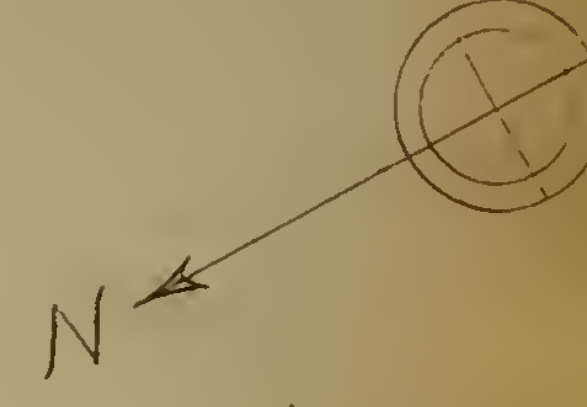
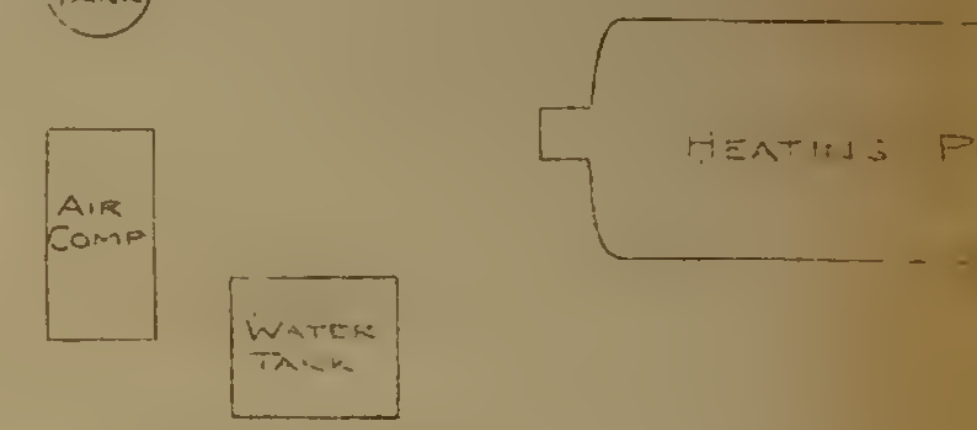
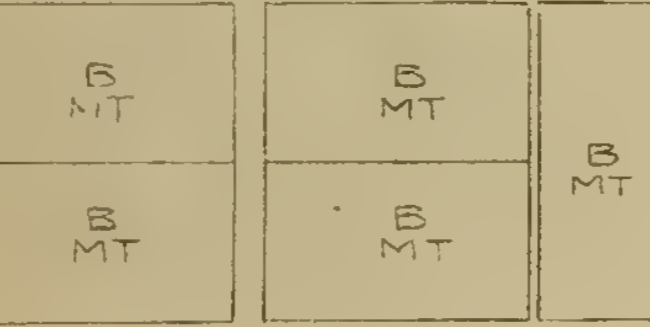
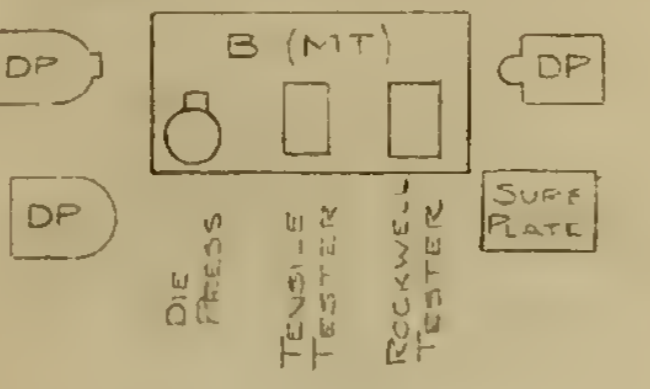
WELD BENCH

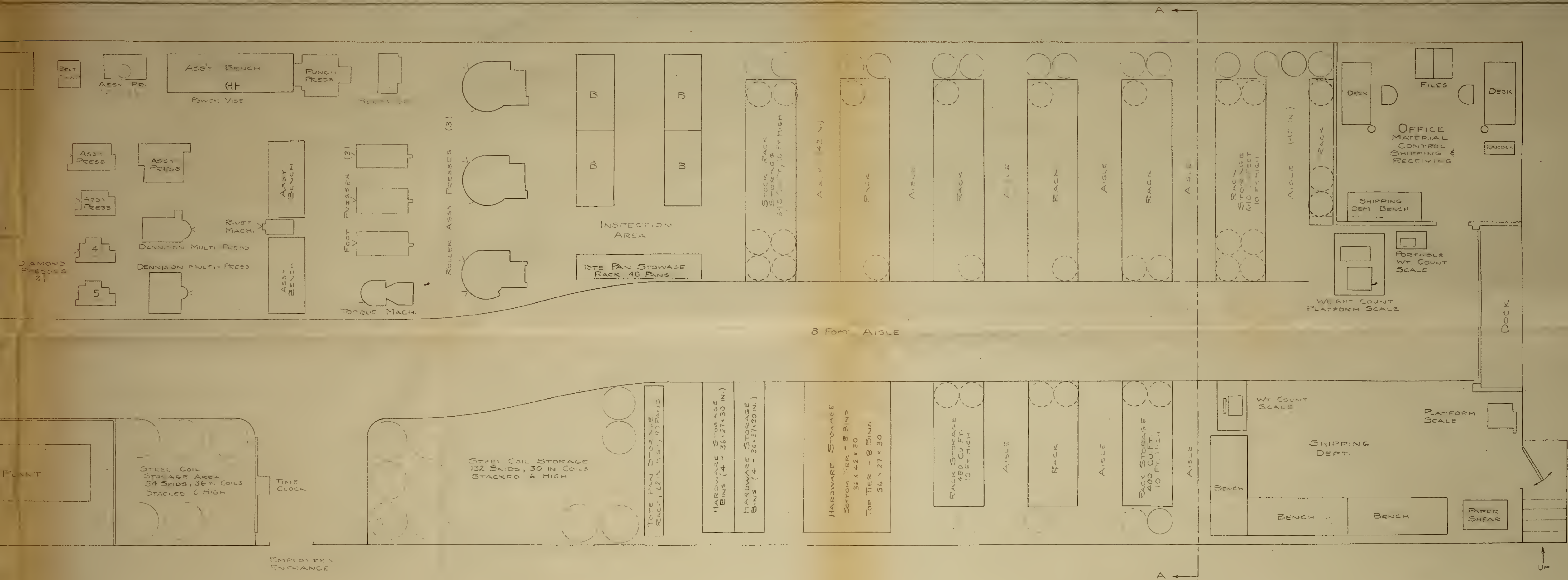
TANKS

SPR. WIND

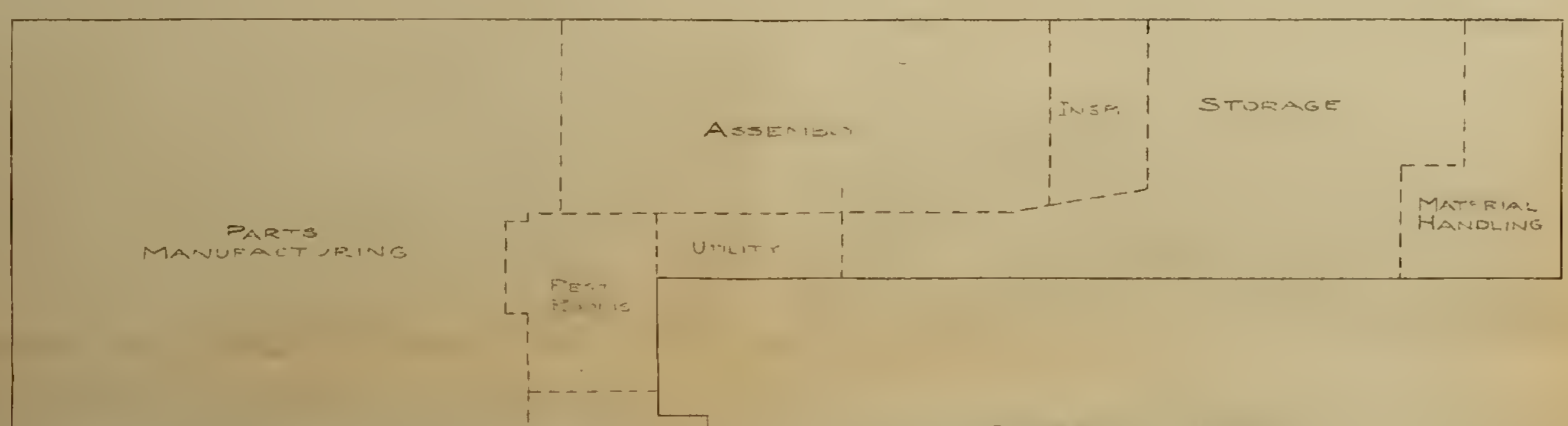


AISLE





SECTION A-A



GENERAL LAYOUT



PLANT

EMPLOYEES ENTRANCE

TIME CLOCK

STEEL COIL STORAGE AREA
54 SKIDS, 36 IN. COILS
STACKED 6 HIGH

STEEL COIL STORAGE
132 SKIDS, 30 IN. COILS
STACKED 6 HIGH

TOTE PAN STORAGE
RACK, 42 IN. HIGH, 92 PANS

HARDWARE STORAGE
BINS (4 - 36 x 27 x 30 IN.)

HARDWARE STORAGE
BINS (4 - 36 x 27 x 30 IN.)

HARDWARE STORAGE
BOTTOM TIER - 8 BINS
36 x 42 x 30
TOP TIER - 8 BINS
36 x 27 x 30

RACK STORAGE
480 CU. FT.
10 FT. HIGH

RACK STORAGE
400 CU. FT.
10 FT. HIGH

WT COUNT SCALE

PLATFORM SCALE

SHIPPING DEPT.

BENCH

BENCH

PAPER SHEAR

WT COUNT SCALE

SHIPPING DEPT. BENCH

OFFICE MATERIAL CONTROL
SHIPPING RECEIVING

FILES

DESK

KARDEX

PORTABLE WT. COUNT SCALE

WEIGHT COUNT PLATFORM SCALE

DOCK

8 FOOT AISLE

INSPECTION AREA

TOTE PAN STOWAGE RACK 48 PANS

ROLLER ASSY PRESSES (3)

FOOT PRESSES (3)

RIVET MACH.

DENNISON MULTI-PRESS

DENNISON MULTI-PRESS

ASSY BENCH

ASSY BENCH

ASSY BENCH

POWER VISE

PUNCH PRESS

ASSY PR.

ASSY PRESS

ASSY PRESS

4

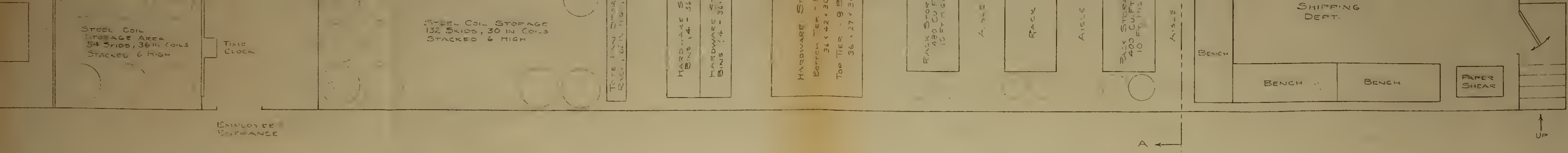
5

TORQUE MACH.

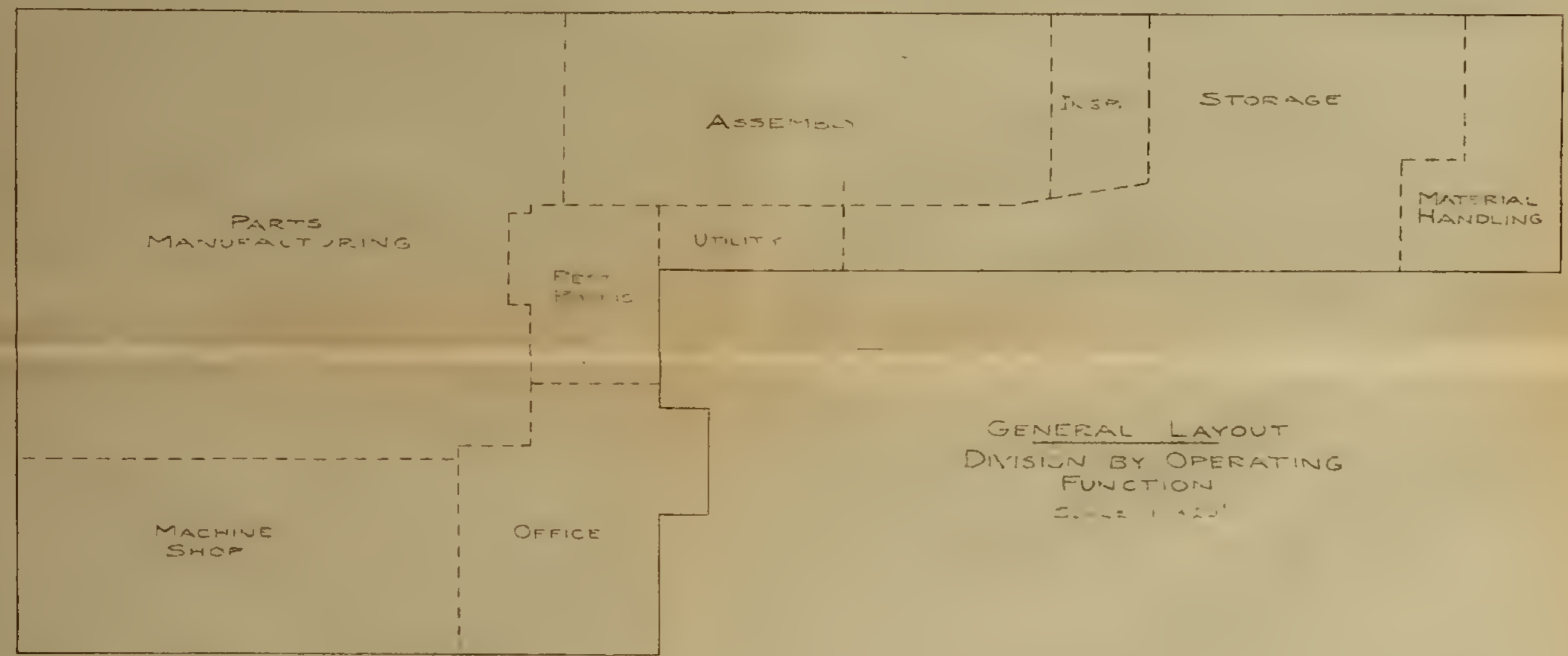
JAMON PRESS (2)

BELT

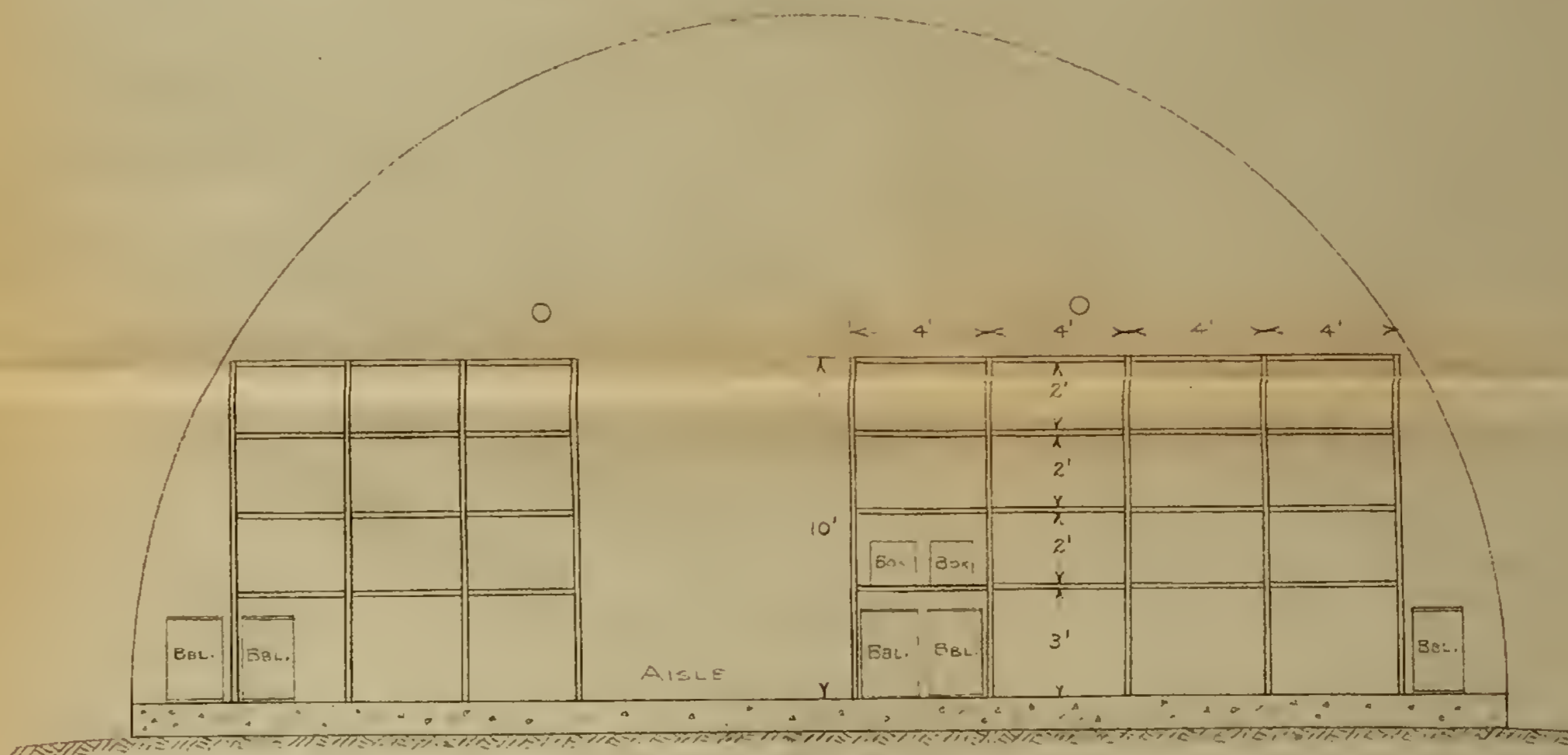
UP



SECTION A-A



GENERAL LAYOUT
DIVISION BY OPERATING
FUNCTION



LEGEND

- ROOF SUPPORT COLUMN
- MATERIAL REELS
- WIRE AND STEEL STRIP STOCK
- INDICATES OPERATOR'S POINT OF OR REQUIRED ACCESS AT MACHINE
- B BENCH
- B(M) BENCH, METAL TOP
- T TABLE
- TT TOOL TABLE
- DP DRILL PRESS
- PP PUNCH PRESS
- PR PRESS
- FP FOOT PRESS

NAVY POSTGRADUATE PROGRAM
RENSSELAER POLYTECHNIC INSTITUTE
MANAGEMENT ENGINEERING SEMINAR G 680

SIMMONS MACHINE TOOL CORPORATION
FASTENER DIVISION
PROPOSED LAYOUT BUILDING 18.

DATE 4 APR 1959 SCALE 1/4 IN. = 1 FT.

DWG No. 4

thesA164

A management survey ... Simmons Machine



3 2768 001 90880 9

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