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34298

Eldon L.
Christensen
notes on
DP West
1981 (Maps)
ENG-C47325

DP ACID DIGESTER PIT ABOUT 4' X 4', ABOUT 200 FT. WEST OF BLDG. 212, ABOUT HALF WAY BETWEEN BLDG'S. 210 & 220. LASL COORDINATES ABOUT 151 & 90+50. PULLED UP AND PAVED ABOUT 1966.

THE AREA ABOUT 31 IS PROBABLY NOT CONTAMINATED.

FLOOR DRAINS IN BLDG. 81 RAN NORTH TO DAYLIGHT, & THERE WERE SOME SPILLS IN THE BLDG. DP-81 IS A MANHOLE.

ON SEVERAL OCCASIONS THE PAVED SURFACE BETWEEN BLDG'S. 2 AND 3 (NORTH SIDE) WAS CONTAMINATED. THE SURFACE WAS CLEANED & ANOTHER LAYER OF PAVING ADDED. THUS THERE MAY BE SOME CONTAMINATION SANDWICHED BETWEEN PAVEMENT LAYERS IN THIS AREA.

335 (CONTAINMENT VESSEL) MIGHT HAVE BEEN A HOT TANK.

SOME OF THE GROUND AROUND BLDG. 12 MAY BE CONTAMINATED. BLDG. 12 WAS REMOVED IN 1973.

THERE WERE WELLS AT THE ENDS OF BLDG'S. 80, 82, 84, 86, 87 & 89 WHICH WERE LAID-UP BRICK CISTERNS, AND MAY HAVE HAD SOME HOT WASTE DUMPED INTO THESE. THESE CISTERNS ARE NEAR THE NORTH ENDS OF THE DP-2, 3, 4 & 5 BLDG'S.

THE BLDG. 120 AREA HAD AN OLD WASTE TREATMENT AREA WITH FRENCH DRAINS TO OPEN PITS AROUND BLDG. 186. 186 IS AN ACID PIT AT LASL COORDINATES 157+50 AND 90 IN WASTE DISPOSAL AREA T.

THE GENERAL'S TANKS; TRAILERS WERE PARKED ON THE PAD AND AROUND THE TANKS, SO THERE MAY BE SOME CONTAMINATION IN THESE AREAS.

WASTE DISPOSAL AREA "B" CONTAINS THE SEA DISPOSAL CASKS (STEEL CASKS) AND SOME OLD TRUCKS.

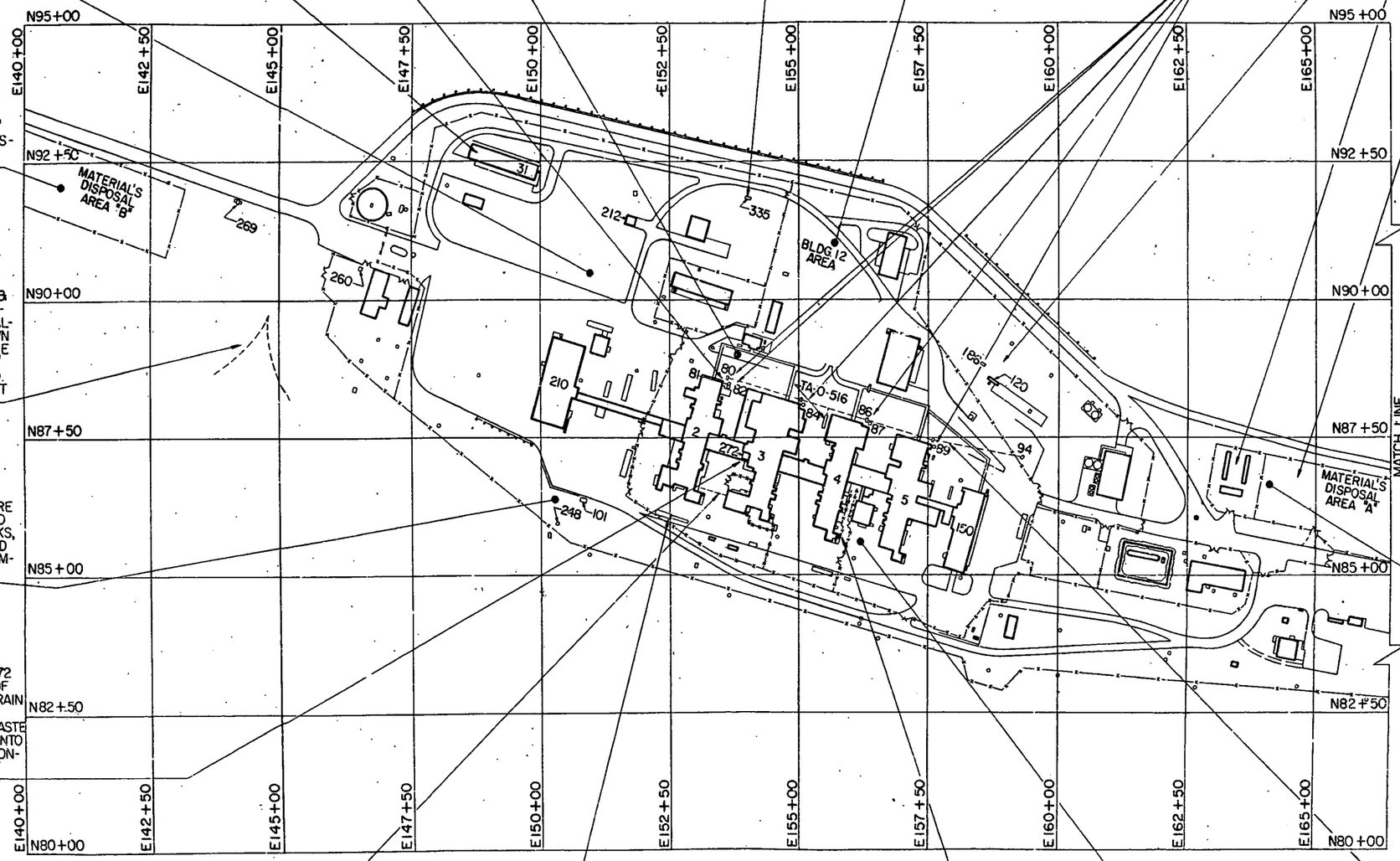
AREA "A" WAS A "DUMP". MATERIALS WERE PLACED UNDER THE SURFACE & ON THE SURFACE AWAITING BURIAL, ESPECIALLY AT THE EAST END, EVEN AFTER THE BLACKTOP WAS APPLIED. IT IS THOUGHT THAT SOME BARRELS MAY HAVE LEAKED.

WASTE TREATMENT LAB, ACROSS FROM OLD LAUNDRY, BLDG. 20 WAS OLD BLDG. 33, WASTE TREATMENT LAB, CLEANED UP & USED AS SAFETY & DRIVER'S LICENSE BLDG., FINALLY REMOVED. HAD ITS OWN SEPTIC TANK, WITH WASTE FIELD TO SOUTH IN A "V" FROM BLDG'S. 269 & 260. LASL COORDINATES ABOUT 145 AND 90.

THE SHOWERS WHICH WERE USED IN 101-248 DRAINED TO ABOUT 19 SEPTIC TANKS, AND THESE AREAS SHOULD BE SURVEYED FOR CONTAMINATION.

THE WEST END OF THE AREA "A" DISPOSAL PITS WAS PRETTY DEEP, & RECEIVED THE DUCTWORK FROM BLDG. 12. ALSO THE OLD STACK FROM BLDG. 12. HARRY JORDAN DID HIS Ph.D. THESIS ON STACK FALLOUT FROM BLDG. 12. IT IS NOW INCORPORATED INTO TA-0-516 AT E155+00 & N87+50.

THE AREA AROUND THE 272 DOCK, JUST AT THE END OF BLDG. 2 HAD A FRENCH DRAIN WITH A SOLUTIONS ROOM RIGHT ABOVE IT. SOME WASTE WAS DUMPED OR PUMPED INTO A STONE PIT. 272 IS A CONCRETE PAD ON THE WEST SIDE OF BLDG. 3




THERE WAS A BURIED TRENCH ON THE SOUTH SIDE FROM BLDG. 2 TO 3, WHICH CONTAINED ETHER EXTRACTION LINES. THOUGHT TO BE VERY HOT. SAID THAT THE PIPE WAS REMOVED BUT THE CONCRETE TRENCH IS STILL THERE. LOCATED JUST NORTH OF THE EQUIPMENT ROOMS AT THE SOUTH END OF EACH BLDG.

SOME OVERFLOW WAS THOUGHT TO OCCUR FROM TANK TRAILERS SOUTH OF BLDG. 2 TO THE CANYON ON OCCASION.

THE EQUIPMENT ROOMS AT THE SOUTH END OF EACH OF THE ABOVE BLDG'S. CONTAINED A SUMP PUMP, & IT WAS SUGGESTED THAT THESE SUMPS BE SURVEYED.

ON THE EAST SIDE OF BLDG. 4 SOUTH, THERE WAS A GAPING HOLE IN THE TUNNEL, WHICH LEACHED OUT WITH HF WATER. USGS SAMPLED THE WATER DOWN-CANYON. THE HOLE WAS COVERED WITH PLYWOOD & TAR.

SOME CONTAMINATION WENT UP THE STACKS & PROBABLY LANDED ON THE GROUND SOUTH OF BLDG'S. 4 & 5, AND IS BETWEEN THE LAYERS OF THE PAVING.

THERE WAS A CAST IRON WASTE LINE FROM 80 TO 516 TO 94 INVOLVING THE NEDGE BLDG'S. LINE WAS ABANDONED BECAUSE OF LEAKS. NORTH SIDE OF BLDG'S. 3, 4 & 150.

1" = 100'-0"

100' 50' 0 100' 200' 300' 400'

GRAPHIC SCALE

MF ENG-C 47325

DP WEST TA-21 WO#6-5701-49 ZT-4894 1 of 23

D C B A

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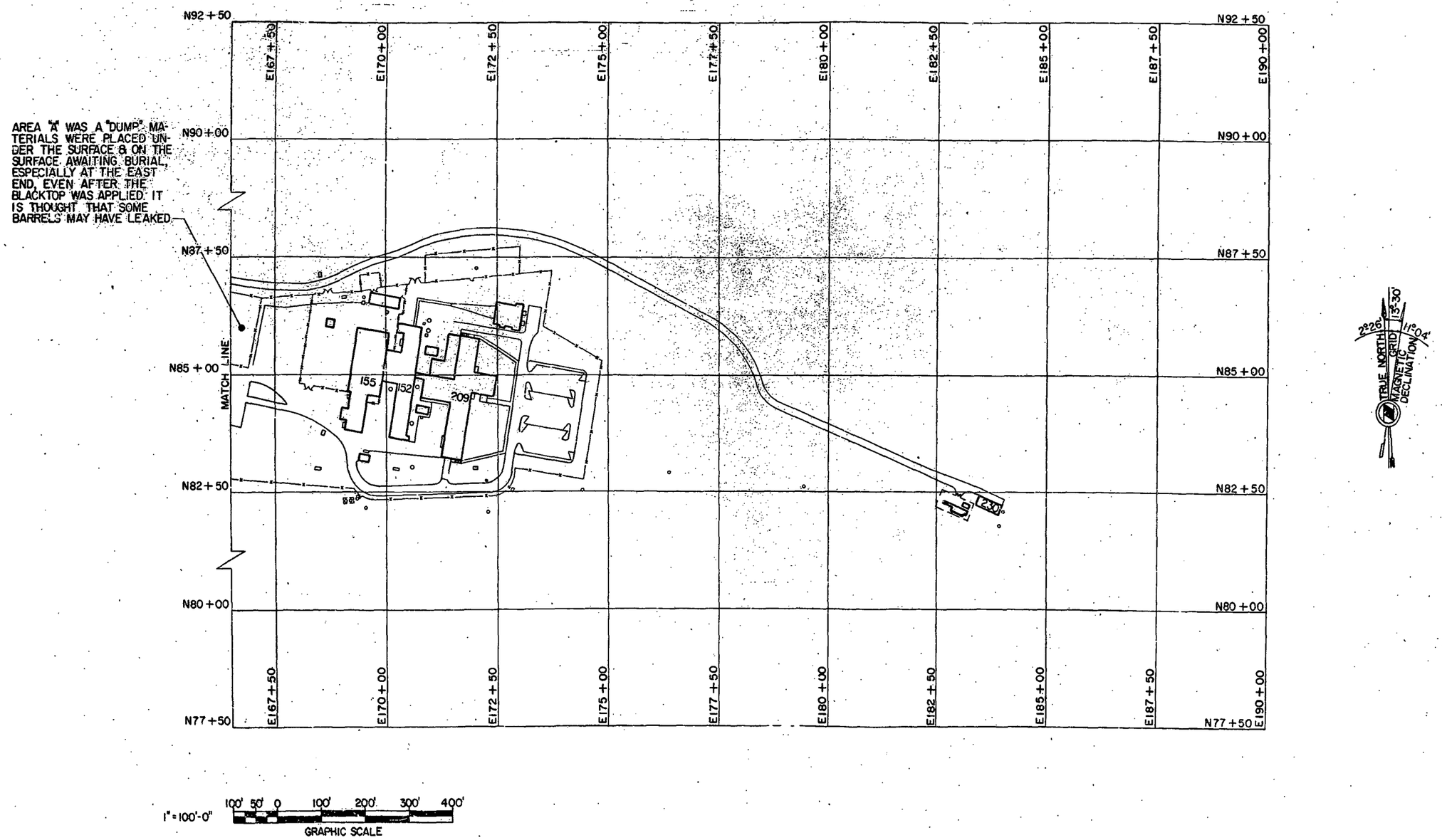
A B C D

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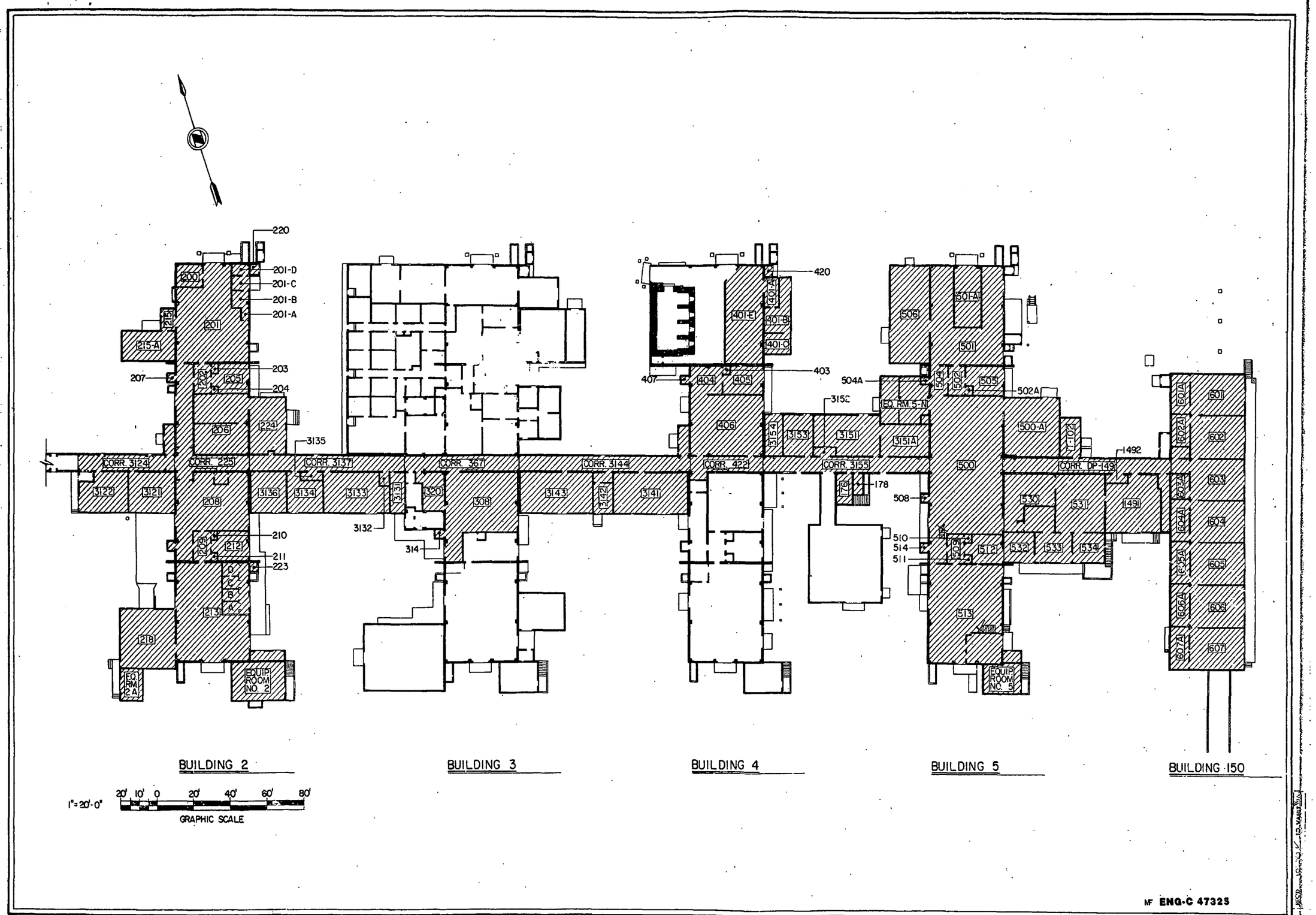


DP WEST TA-21 W.O.#6-5701-49 ZT 4894 3 OF 28

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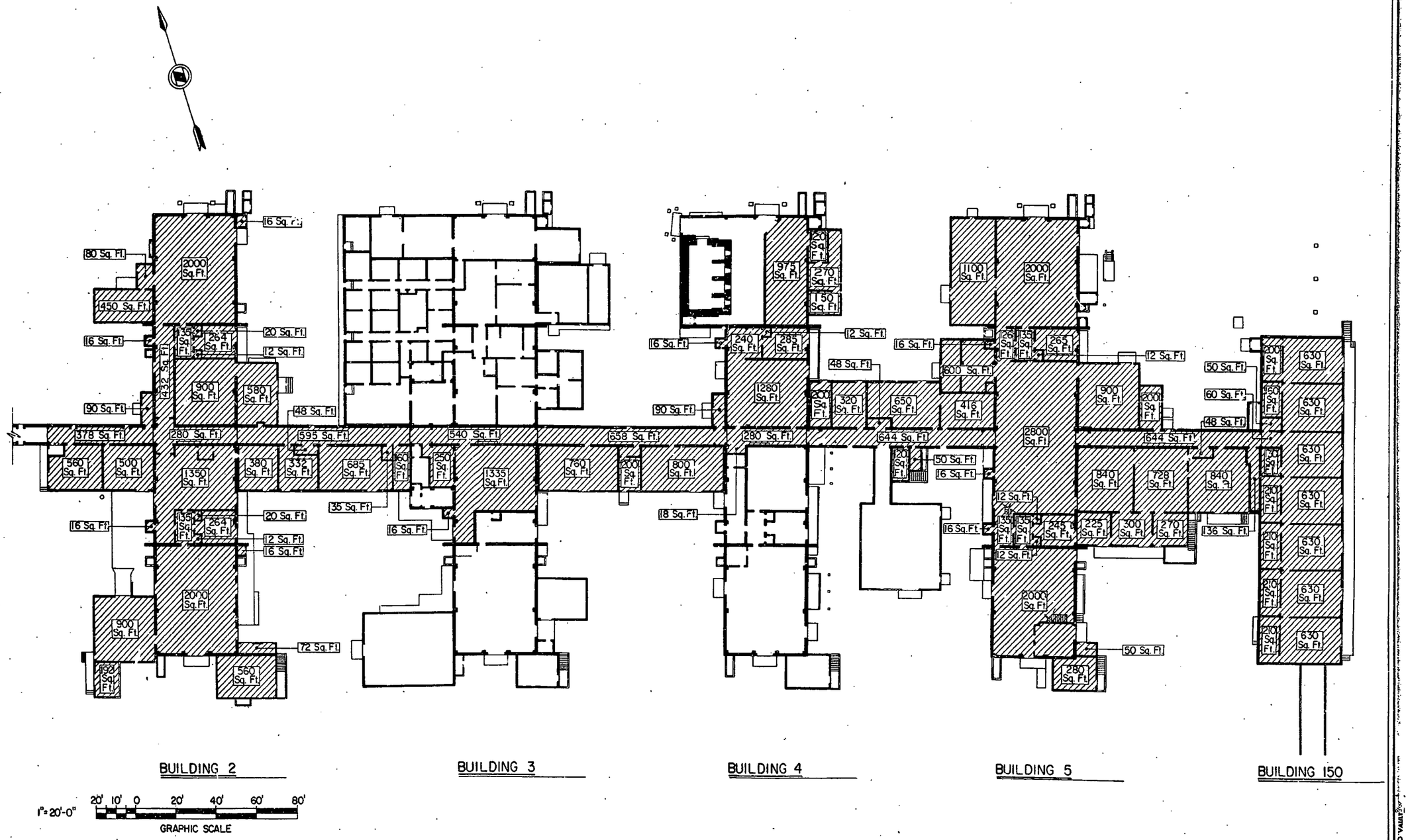


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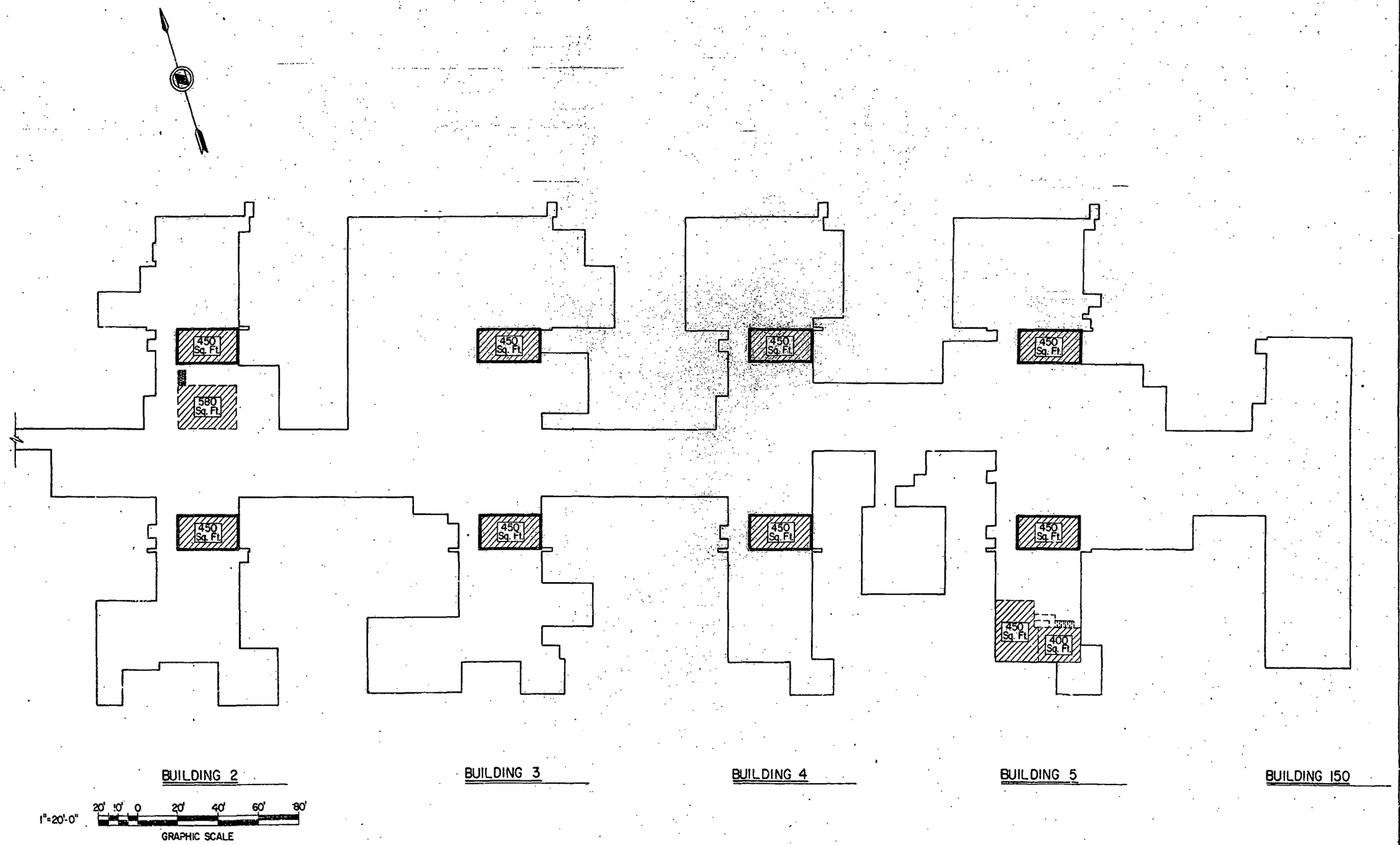


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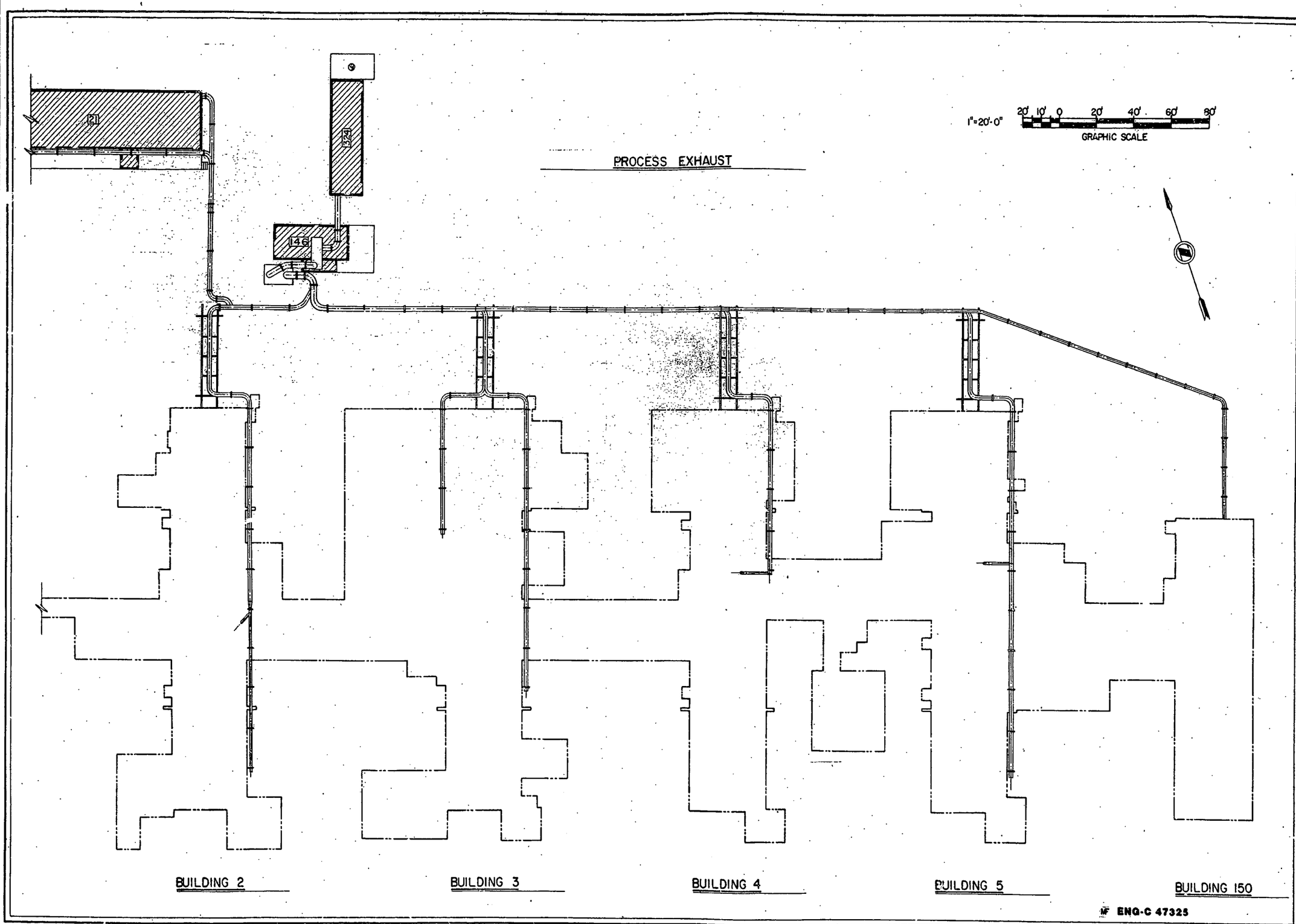


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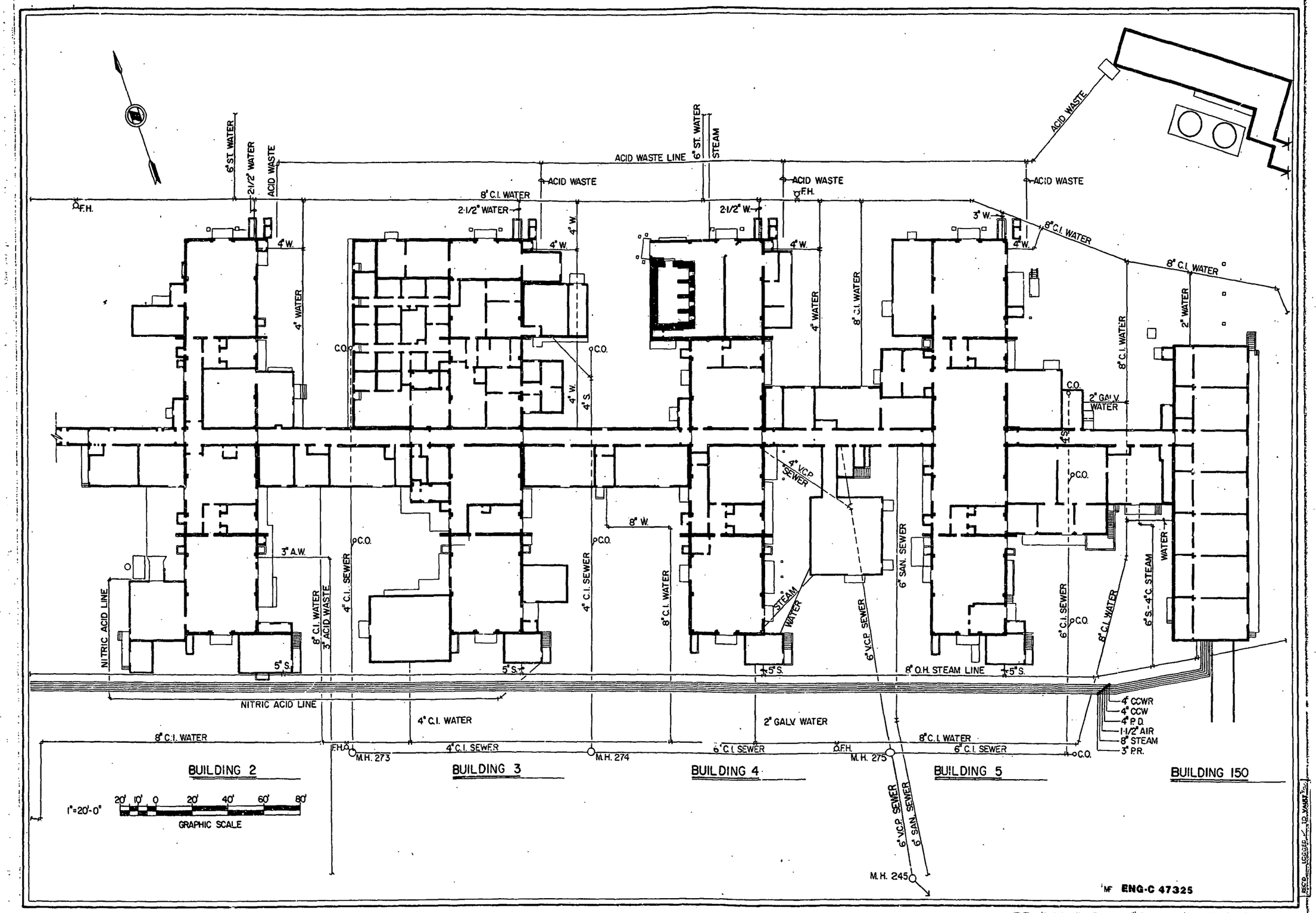


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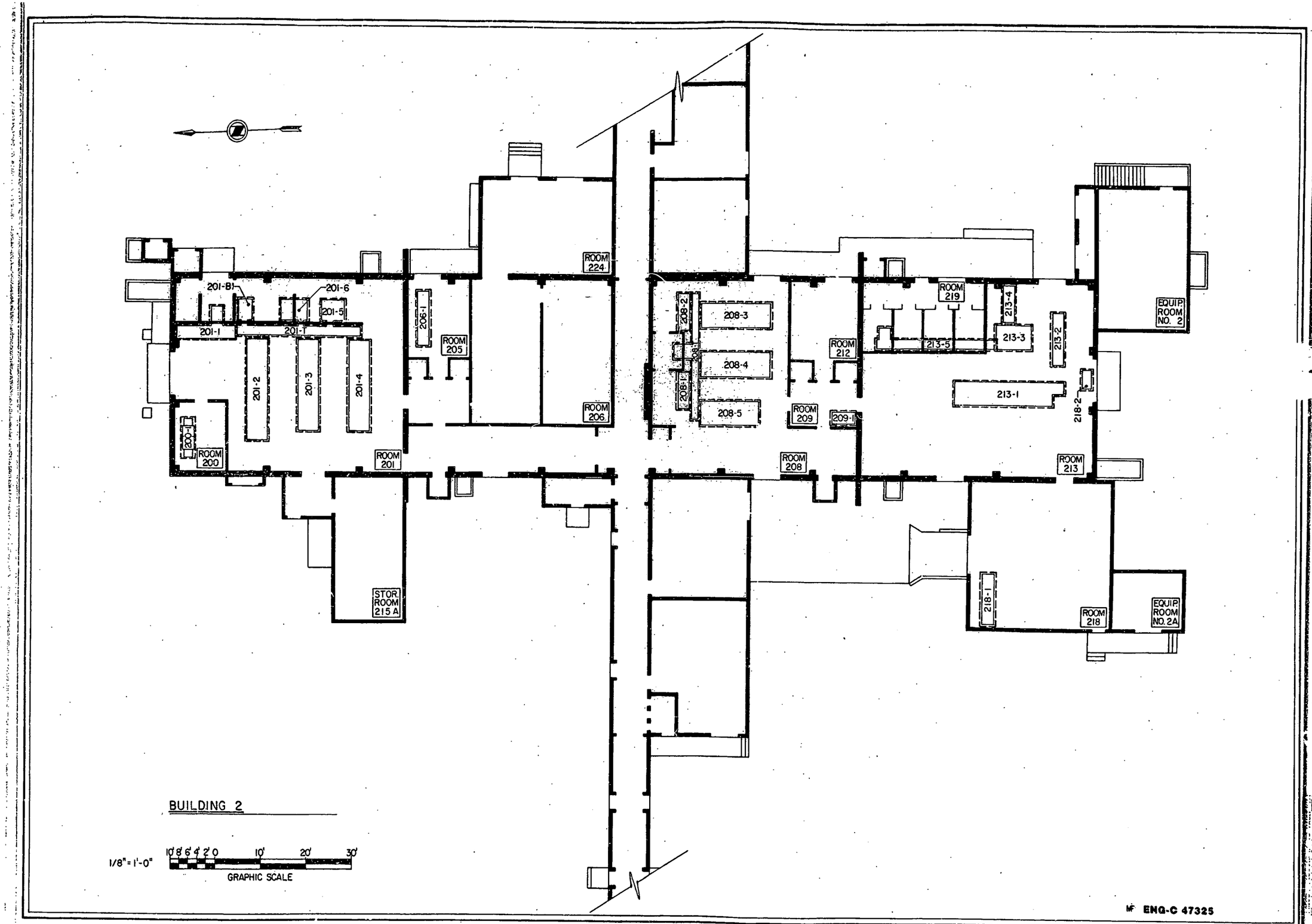


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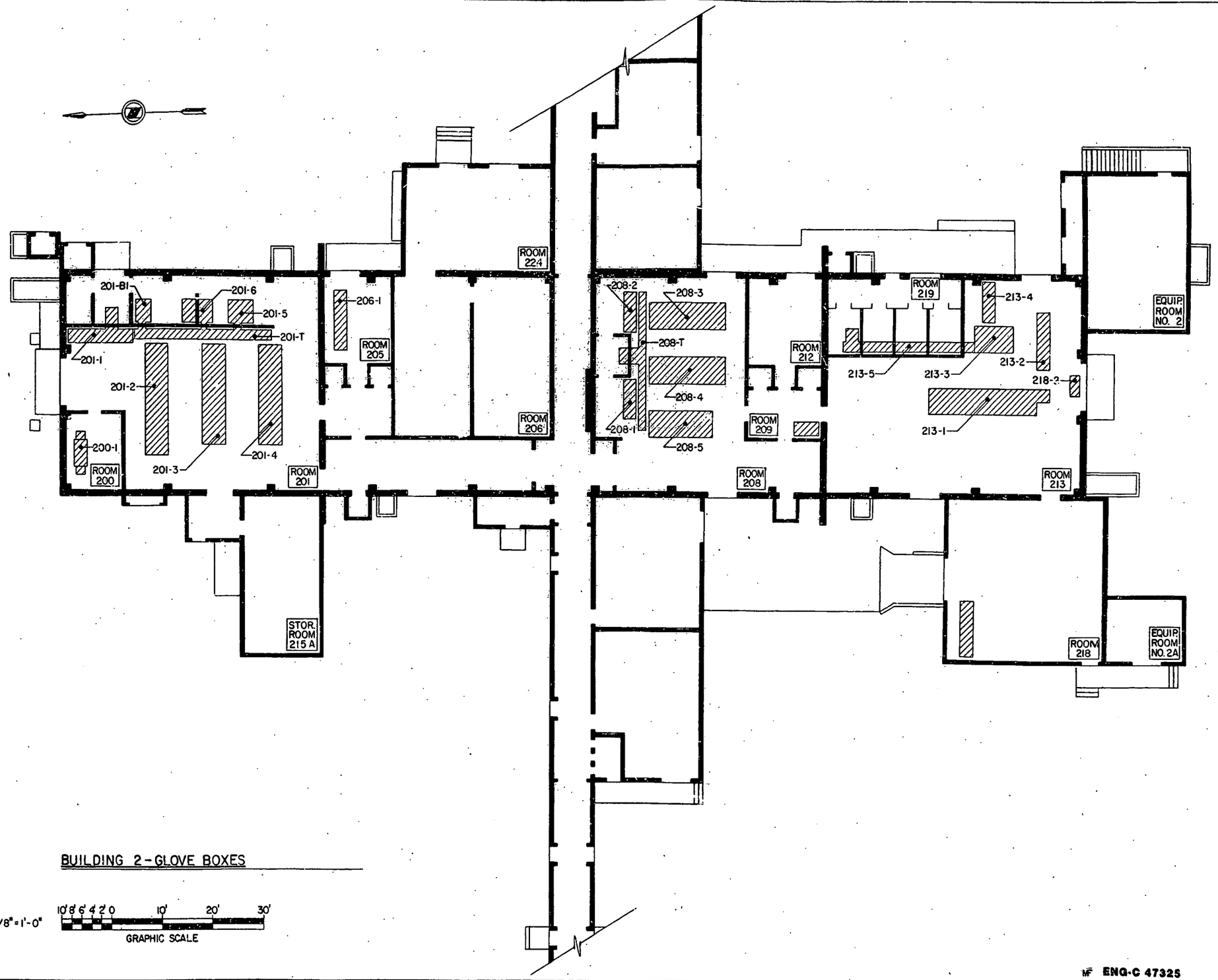


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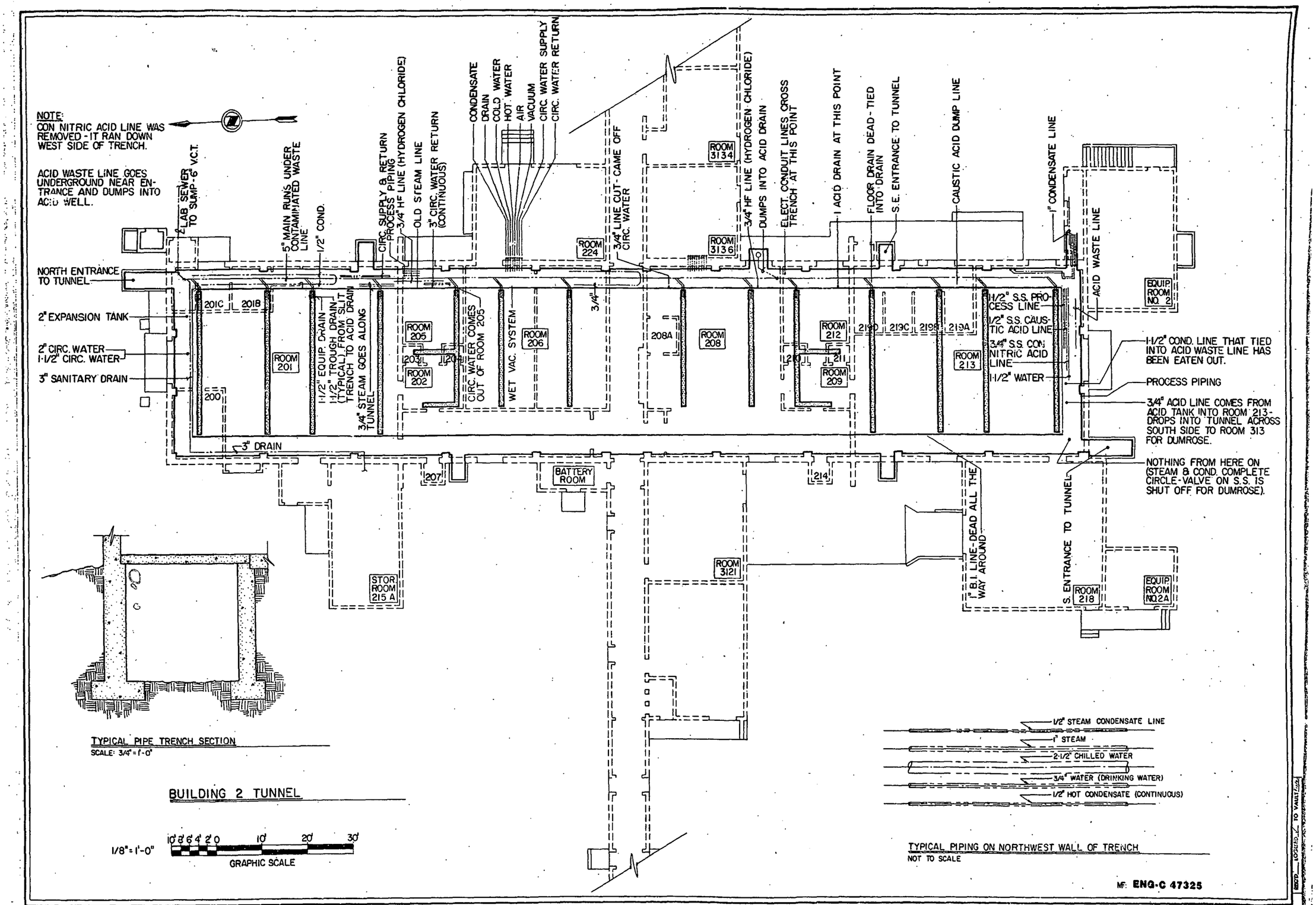


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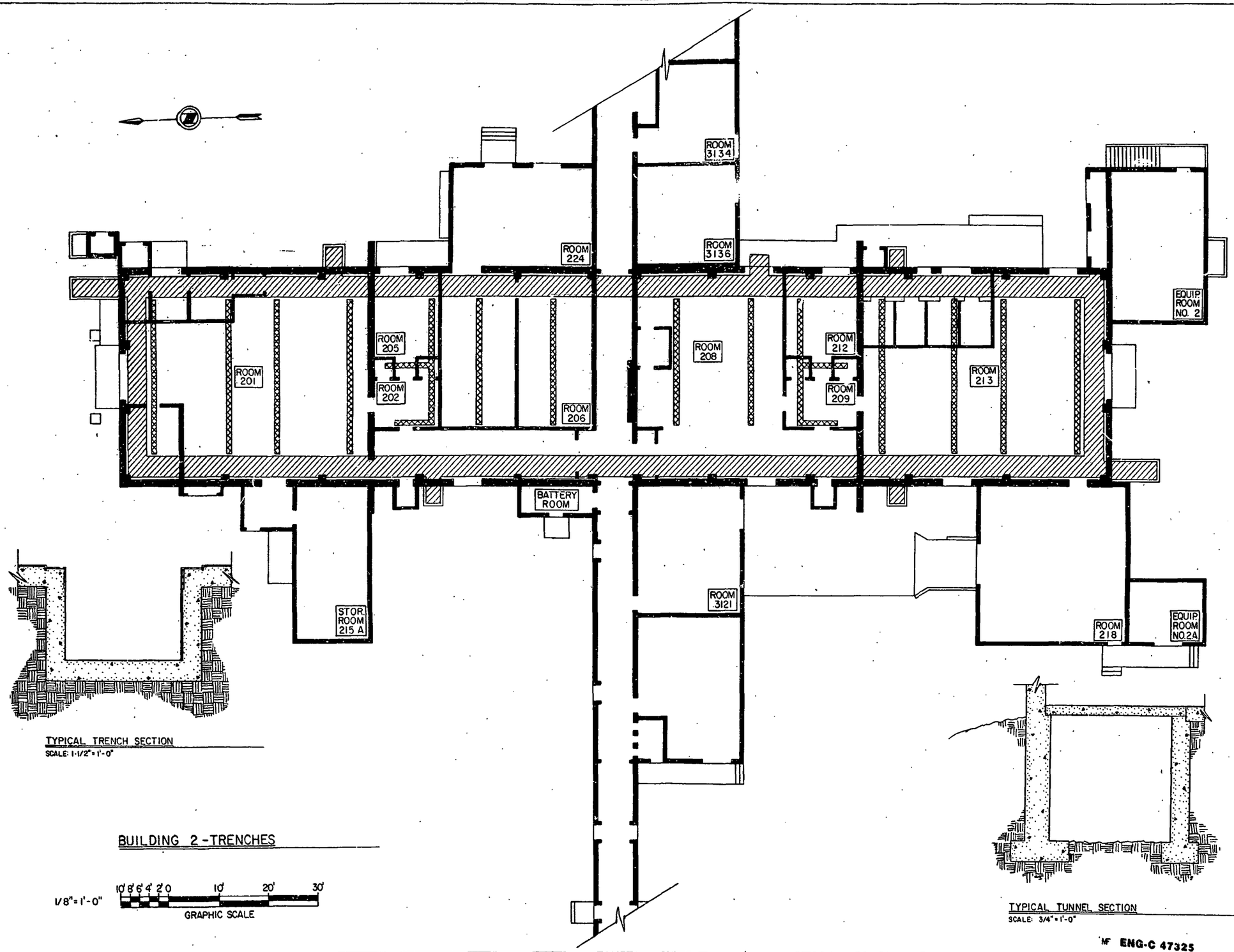


BUILDING 2 - TRENCHES

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DP WEST TA-21 W.O.#6-3701-49 ZT-4394 1 OF 23

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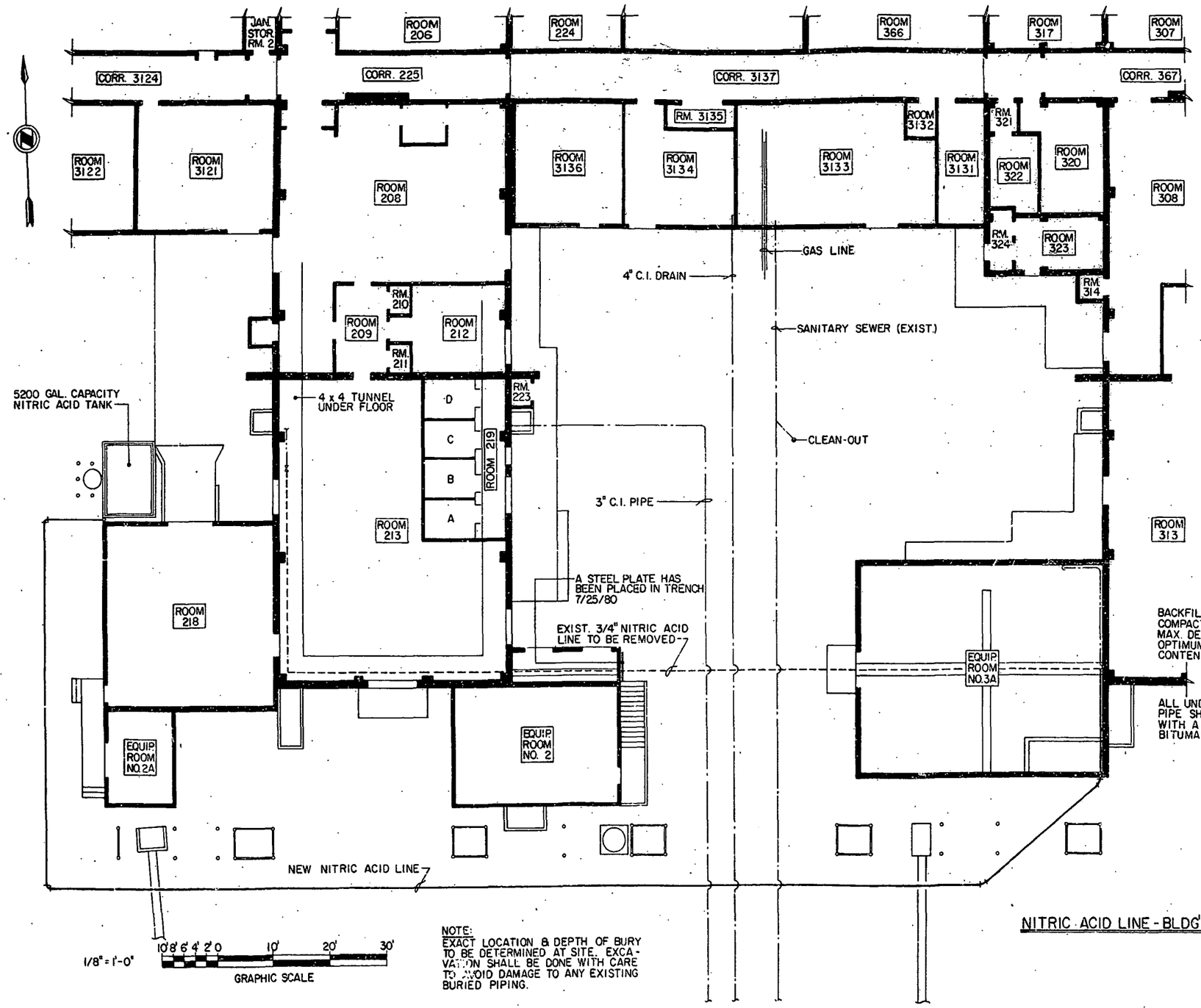
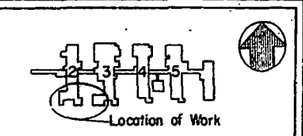



NOTE:
EXACT LOCATION & DEPTH OF BURY TO BE DETERMINED AT SITE. EXCAVATION SHALL BE DONE WITH CARE TO AVOID DAMAGE TO ANY EXISTING BURIED PIPING.

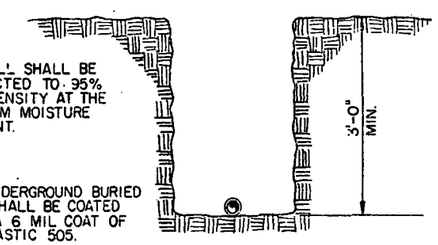
NITRIC ACID LINE - BLDG'S. 2 & 3




LOCATION PLAN

GENERAL NOTES

1. FURNISH ALL ITEMS OF MATERIAL & LABOR AS SHOWN ON THIS DRAWING & AS SPECIFIED HEREINAFTER TO COMPLETE THE MECHANICAL INSTALLATION. ALL CONDITIONS SHALL BE FIELD VERIFIED PRIOR TO START OF THIS INSTALLATION.
2. PIPE & FITTINGS: PIPE SHALL BE TYPE 316, SCHED. 40 STAINLESS STEEL. JOINTS SHALL BE ASSEMBLED WITH YARWAY STAINLESS STEEL GRIP SEAL GRIP COUPLINGS.
3. CONNECTION IN BLDG. 3 SHALL BE MADE AT NORTH SIDE OF EQUIP. RM. 3A. CONNECTION AT BLDG. 2 SHALL BE MADE TO AN EXIST. FLANGE ADJACENT TO THE NITRIC ACID TANK NOW EXIST. OUTSIDE ROOM 218.
4. PIPING BETWEEN BLDG'S. 2 & 3 SHALL BE RUN UNDERGROUND AT A BURY DEPTH OF 3 FEET. EXCAVATION SHALL BE DONE WITH CARE TO AVOID DAMAGE TO, & CONFLICT WITH, EXISTING UNDERGROUND UTILITY LINES. BACKFILL SHALL BE COMPACTED TO 95% MAX. DENSITY AT THE OPTIMUM MOISTURE CONTENT. ALL UNDERGROUND BURIED PIPE SHALL BE COATED WITH A 6 MIL COAT OF BITUMASTIC 505.
5. LINE SHALL BE CLEANED OF ALL DEBRIS PRIOR TO FINAL CONNECTIONS TO EXISTING PIPING SYSTEMS.
6. PIPING SHALL BE HYDROSTATICALLY TESTED AT 150 PSI & PROVED TIGHT AT THIS PRESSURE.
7. PROVIDE & INSTALL WATER TYPE DECALS AT INTERVALS OF 10 FT. ON PIPE LINE IDENTIFYING SERVICE & COVER WITH CLEAR WATERPROOF VARNISH.
8. PROVIDE & INSTALL CAUTION SIGNS AS REQUIRED - ITEM 100 - CODE 129 - SIZE 7" x 10".

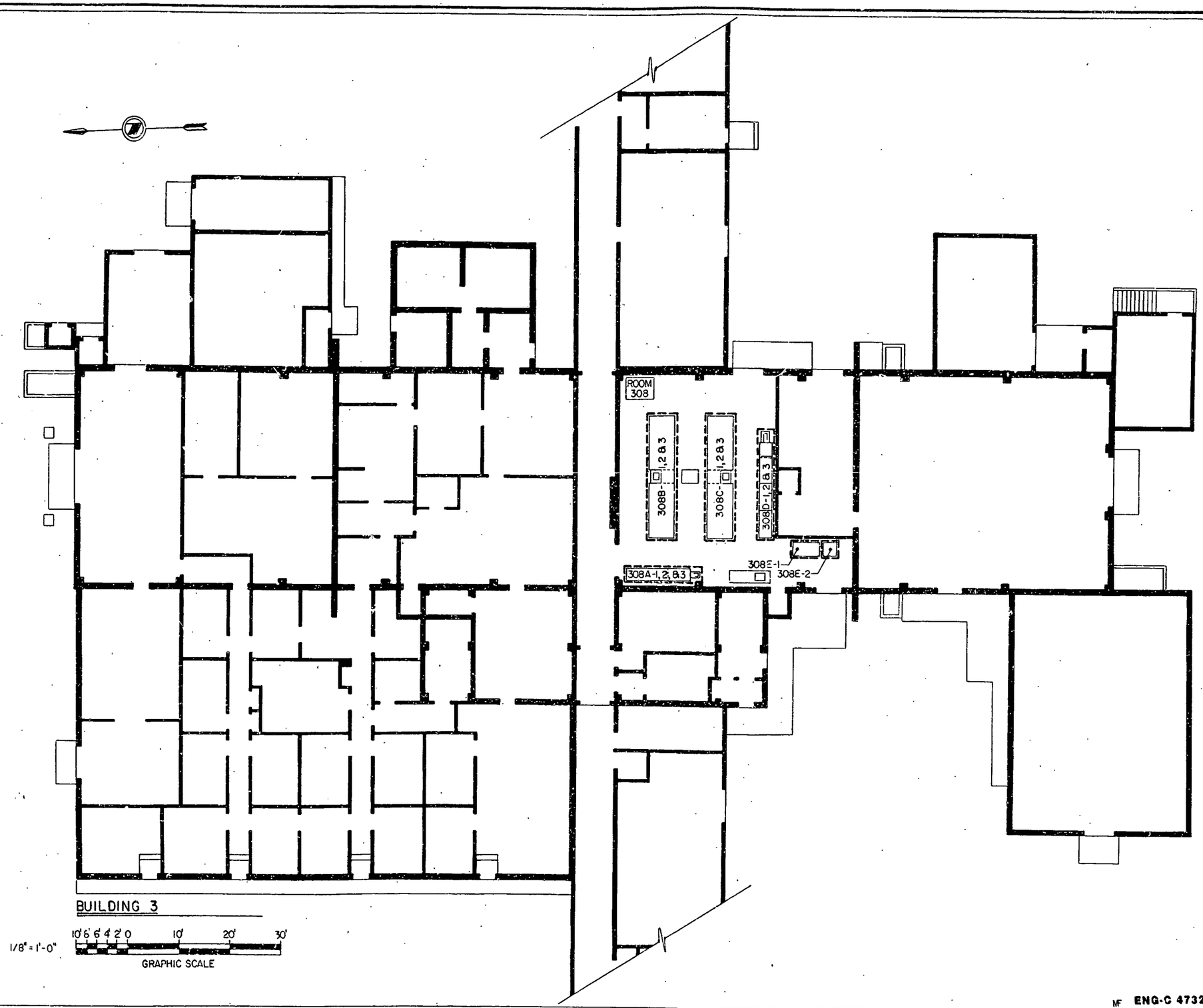



DETAIL OF TRENCH
SCALE: 1" = 1'-0"

MF ENG-C 47325

DP WEST TA-21 W.O.#6-5701-49 ZT-4894 12 OF 2

D C B A MICROFILMED FROM BEST AVAILABLE DRAWING A B C D

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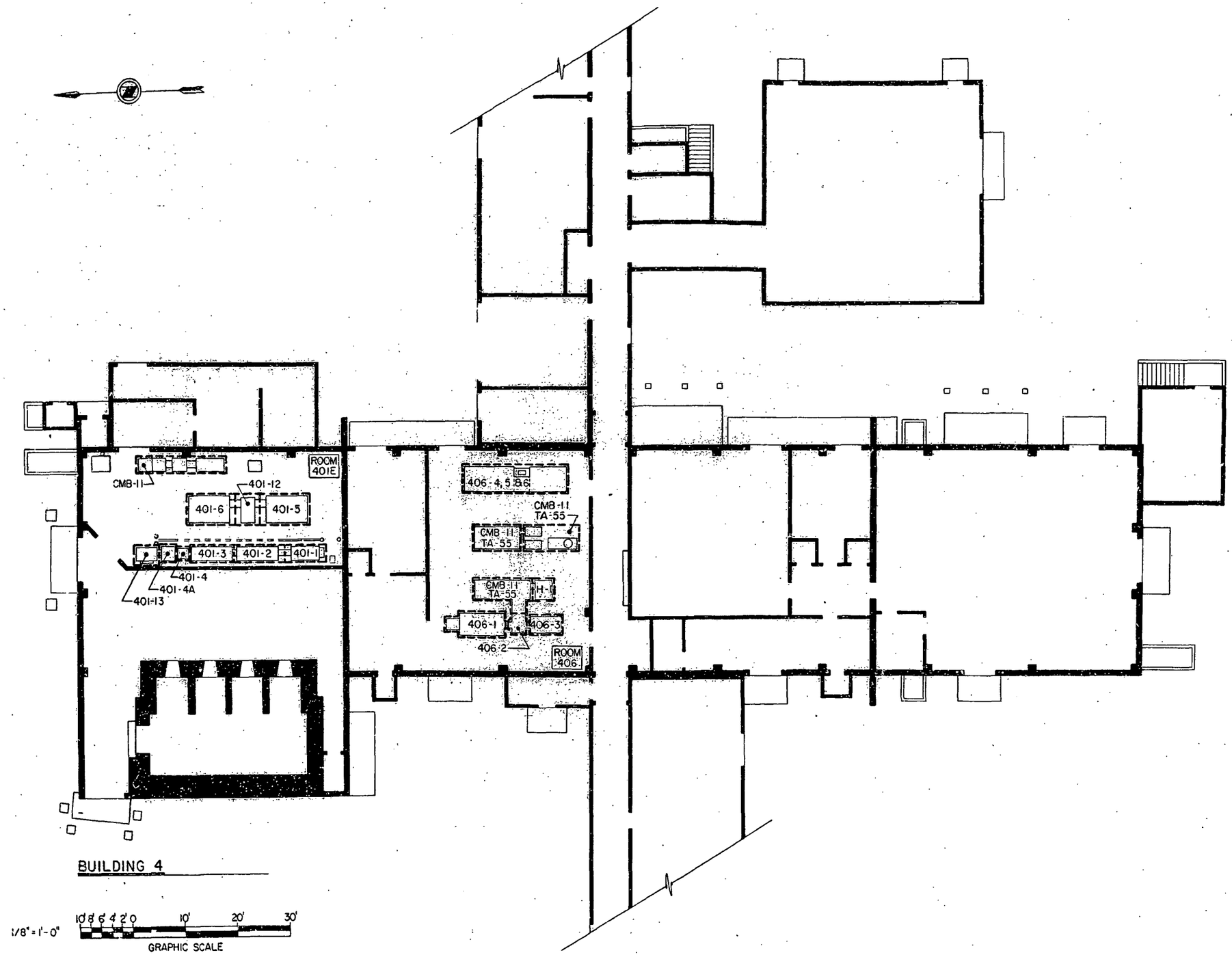


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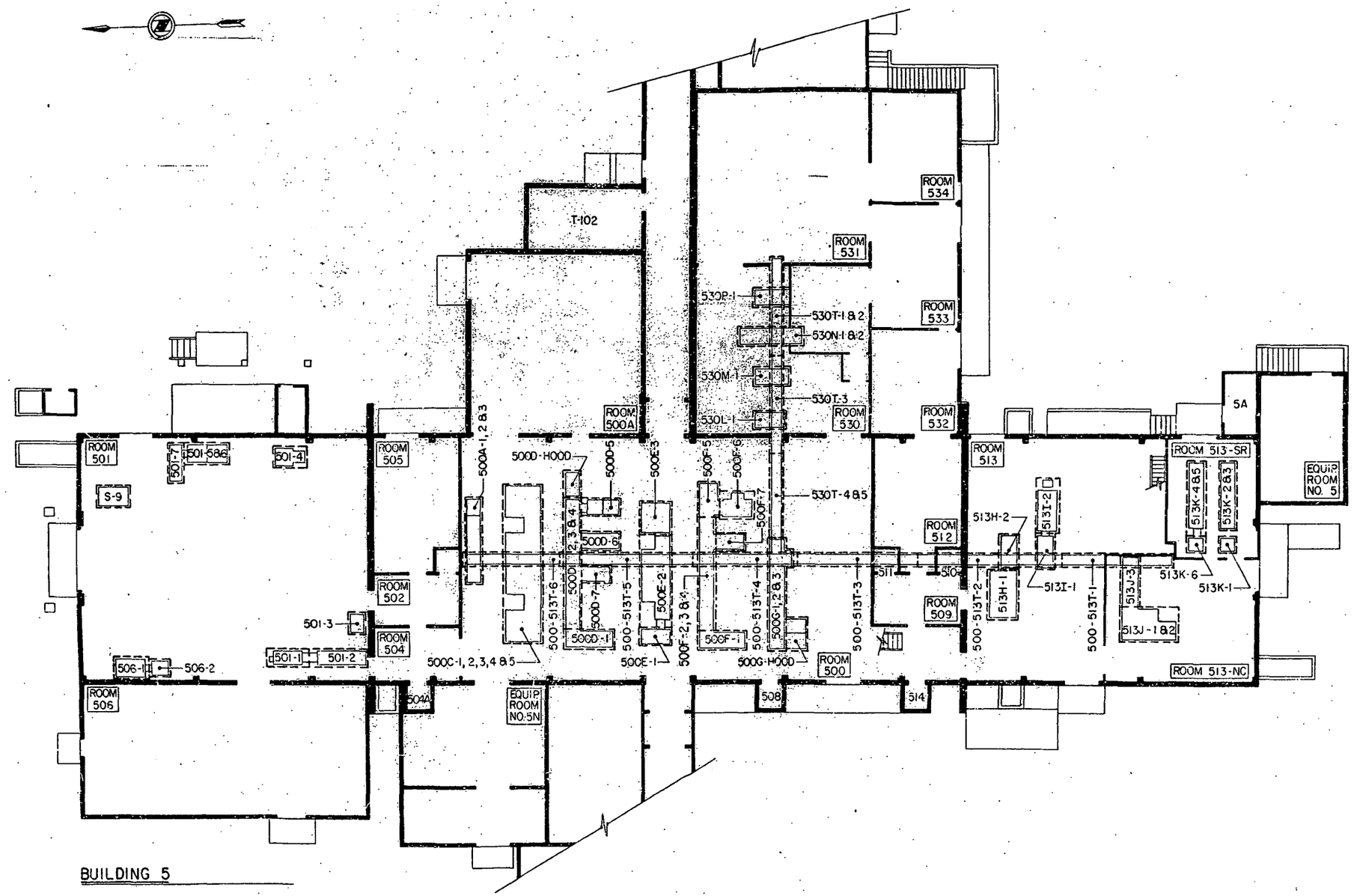


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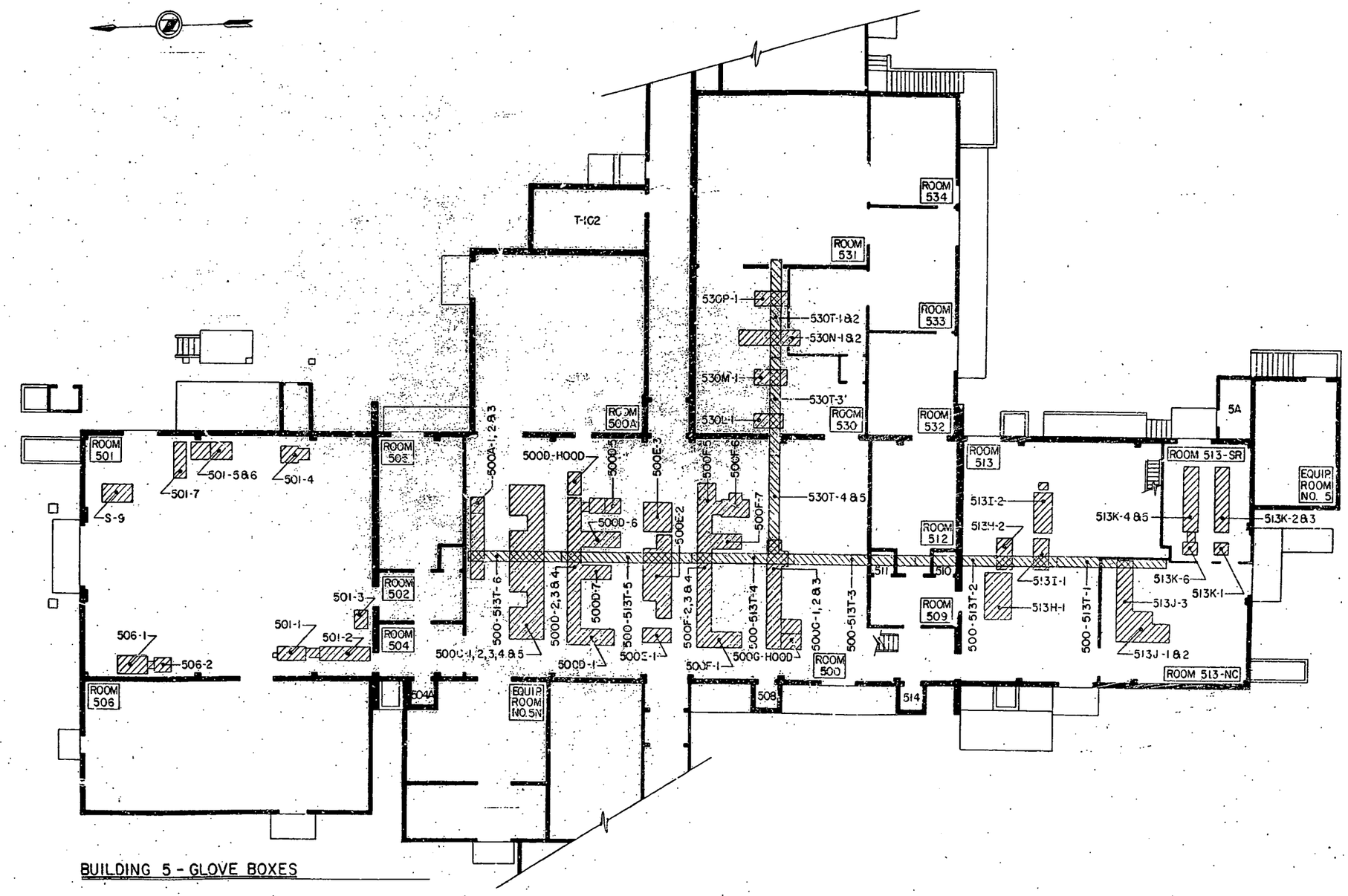


BUILDING 5 - GLOVE BOXES

ENG-C 47325

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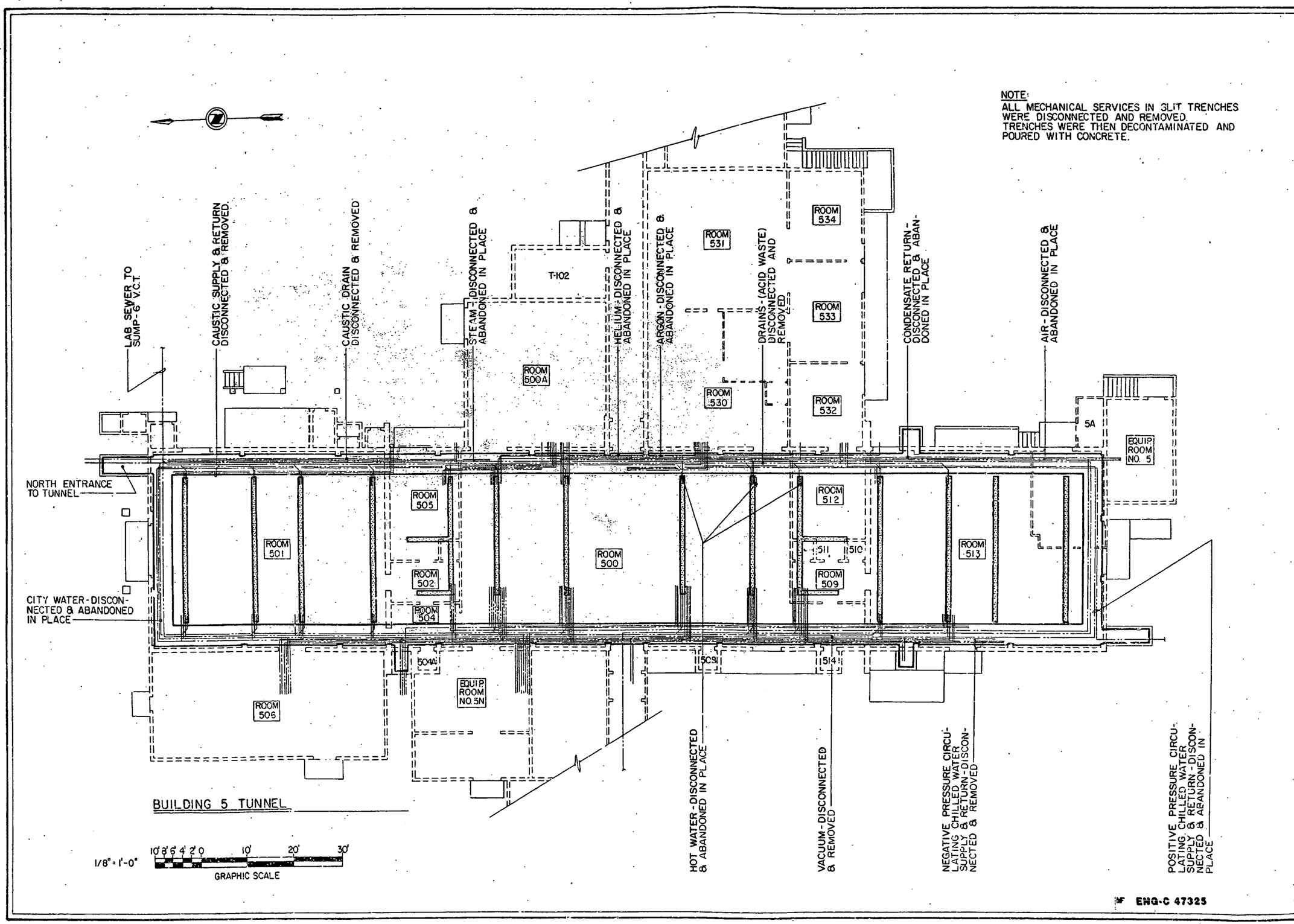


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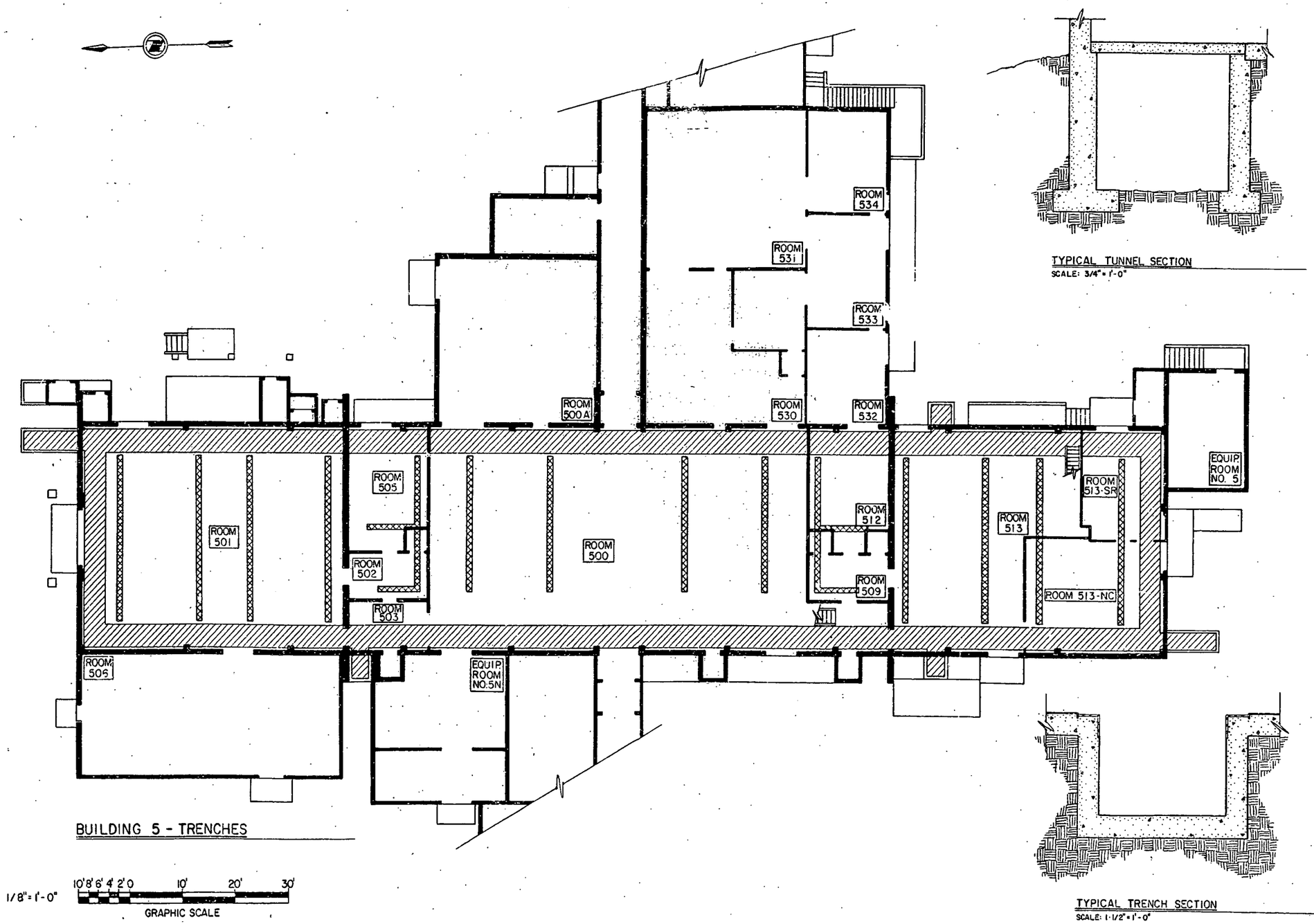


BUILDING 5 - TRENCHES

TYPICAL TUNNEL SECTION
SCALE: 3/4" = 1'-0"

TYPICAL TRENCH SECTION
SCALE: 1-1/2" = 1'-0"

ENG-C 47325

DP WEST TA-21 W.O.#6-3701-49 ZT-4394 18 [illegible]

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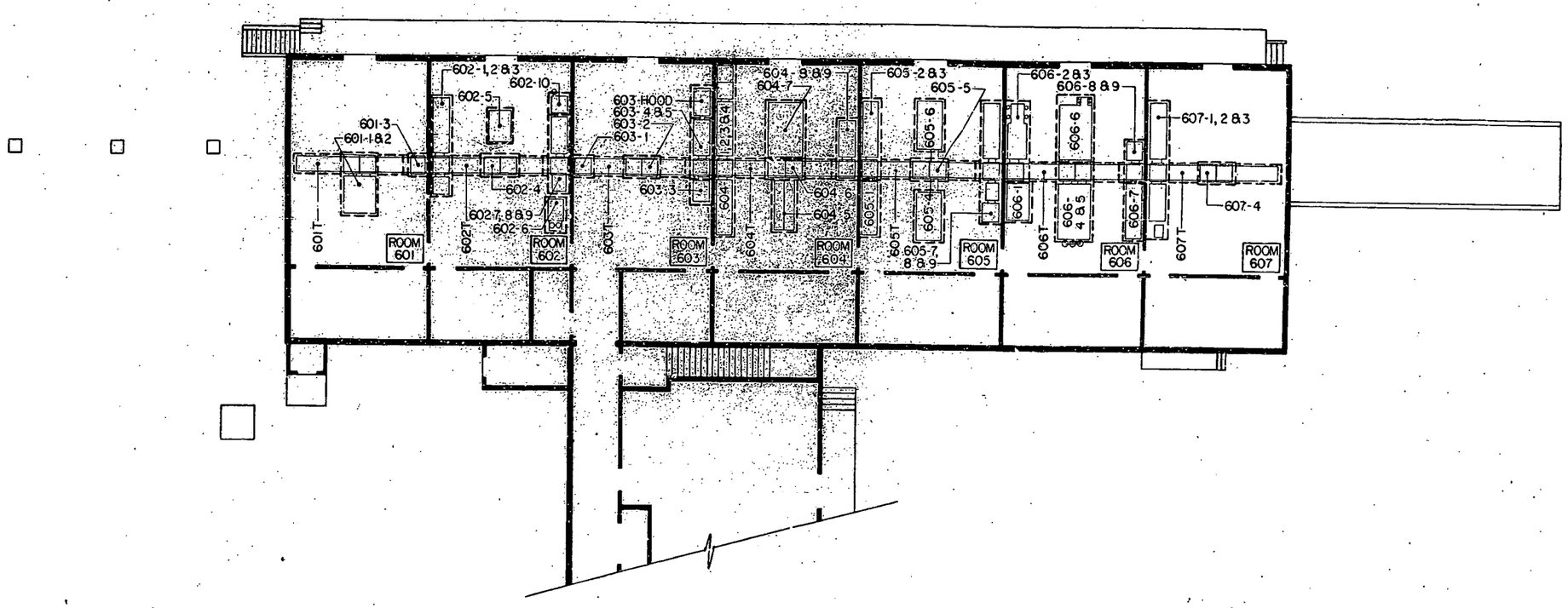


BUILDING 150 - GLOVE BOXES

1/8" = 1'-0"

10' 8' 6' 4' 2' 0 10' 20' 30'

GRAPHIC SCALE

ENG-C 47325

DP WEST TA-21 W.O.#6-3701-49 ZT-4294

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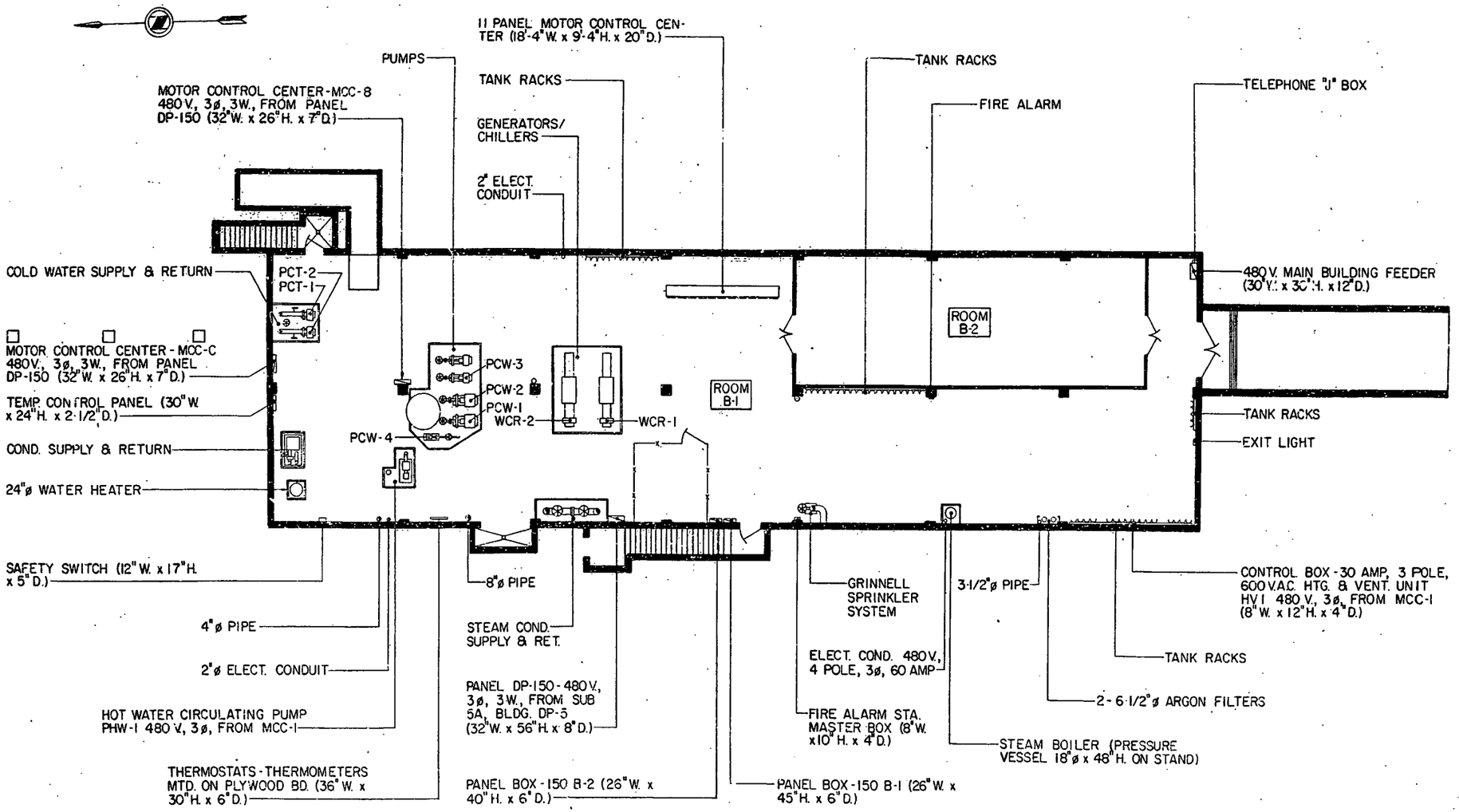


BUILDING 150 BASEMENT

1/8" = 1'-0"

10' 8' 6' 4' 2' 0 10' 20' 30'

GRAPHIC SCALE

ENG-C 47325

DP VEST TA-21 W.O. #6-5701-49 ZT-4894 20-23

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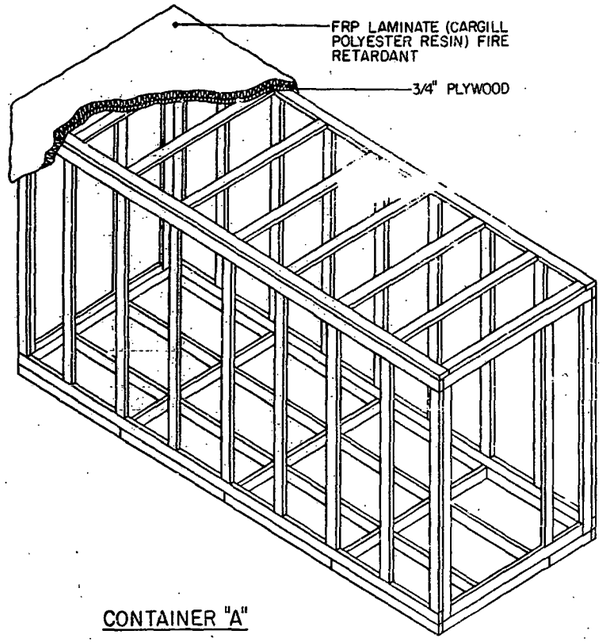
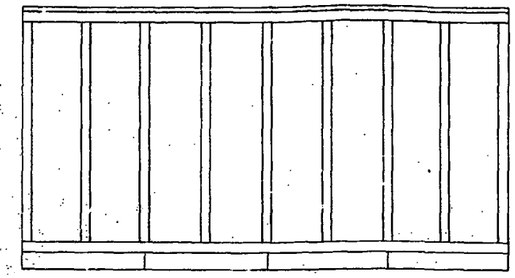
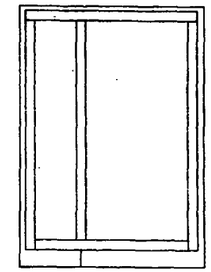



CONTAINER "A"



SIDE ELEVATION



END ELEVATION

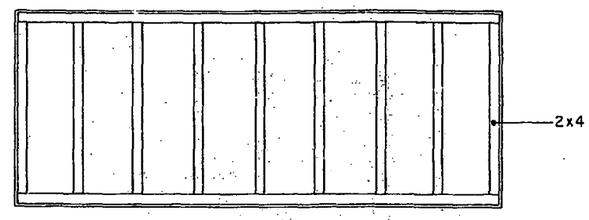
NOTES

A CONTINUOUS BEAD OF CONSTRUCTION ADHESIVE TO BE APPLIED ALONG ALL JOINTS.

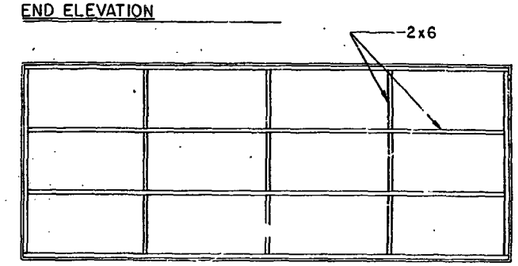
DIMENSIONED LUMBER TO BE 2 x 4 S4S NO. 2 GRADE (MIN.) SEASONED, FREE OF LOOSE KNOTS & BARK.

PLYWOOD TO BE GRADE C-C (MIN.) EXTERIOR UNSANDED FACES.

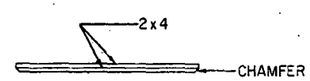
ALL PARTS TO BE NAILED & GLUED.




TOP ELEVATION (CONTAINERS "A" & "B")




BOTTOM ELEVATION (CONTAINERS "A" & "B")

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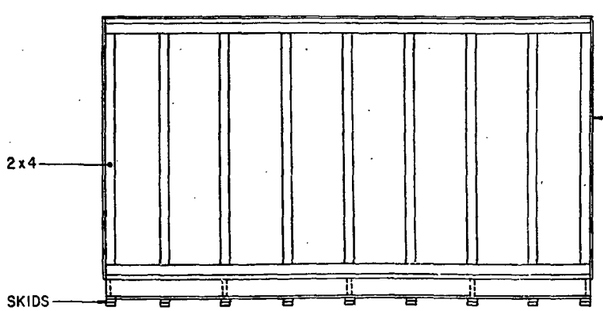
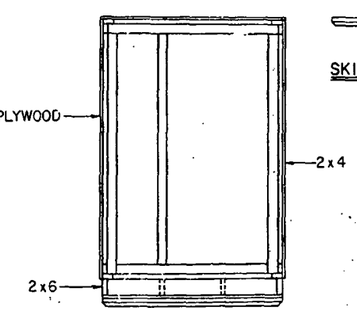
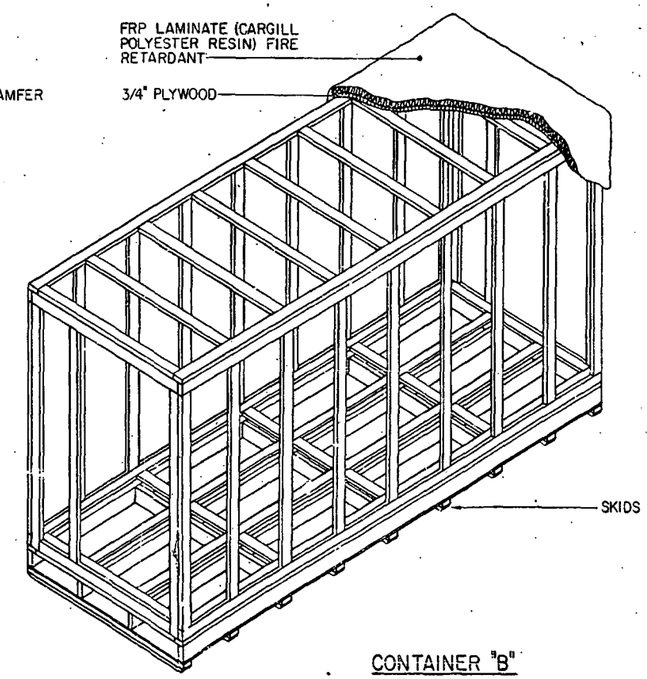



SIDE ELEVATION (CONTAINER "B")

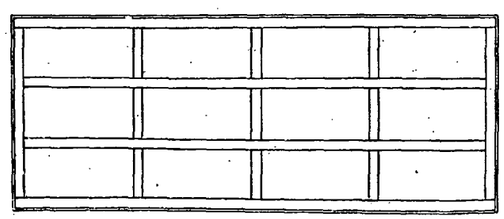



END ELEVATION (CONTAINER "B")




CONTAINER "B"

TYPICAL RETRIEVABLE STORAGE CONTAINERS



FALSE BOTTOM (CONTAINER "B")

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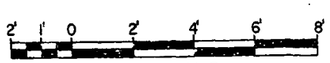


GRAPHIC SCALE

MF ENG-C 47325

DP WEST TA-21 WO#6-5701-49 ZT-4894 21 OF 38

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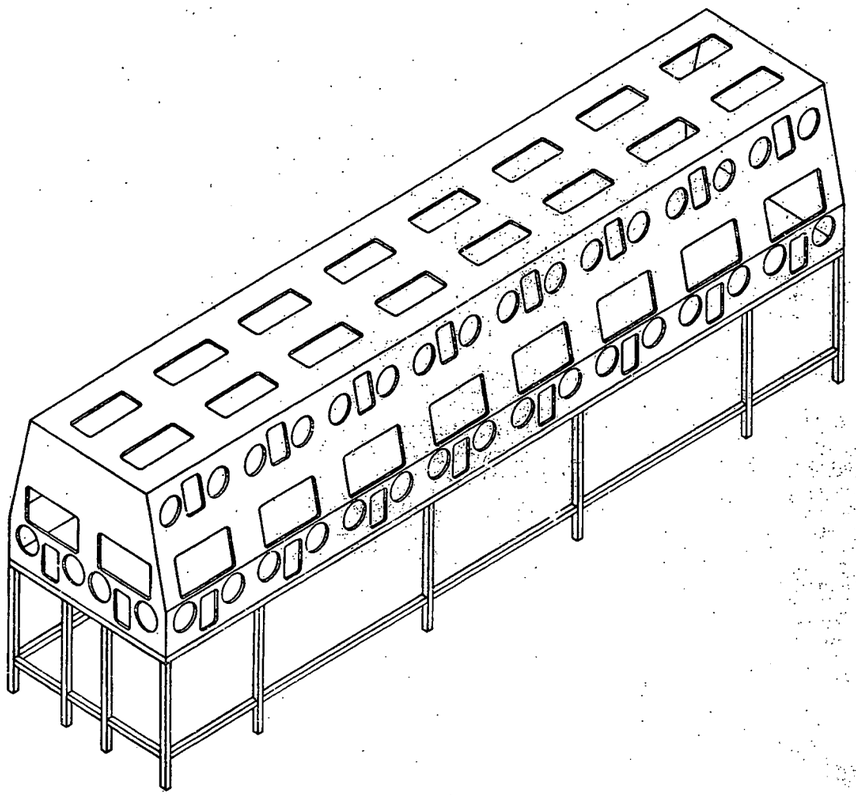

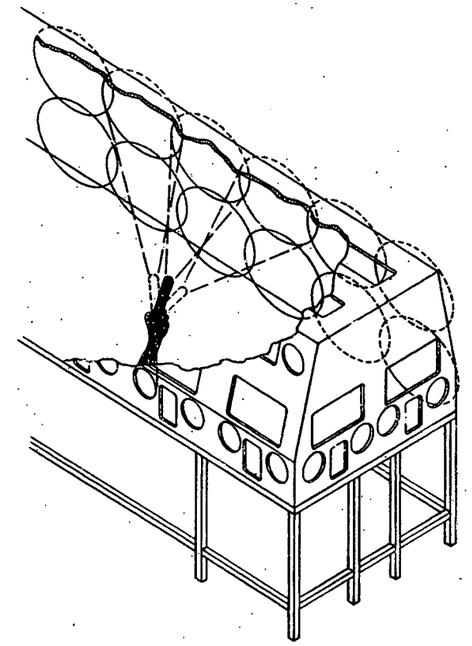

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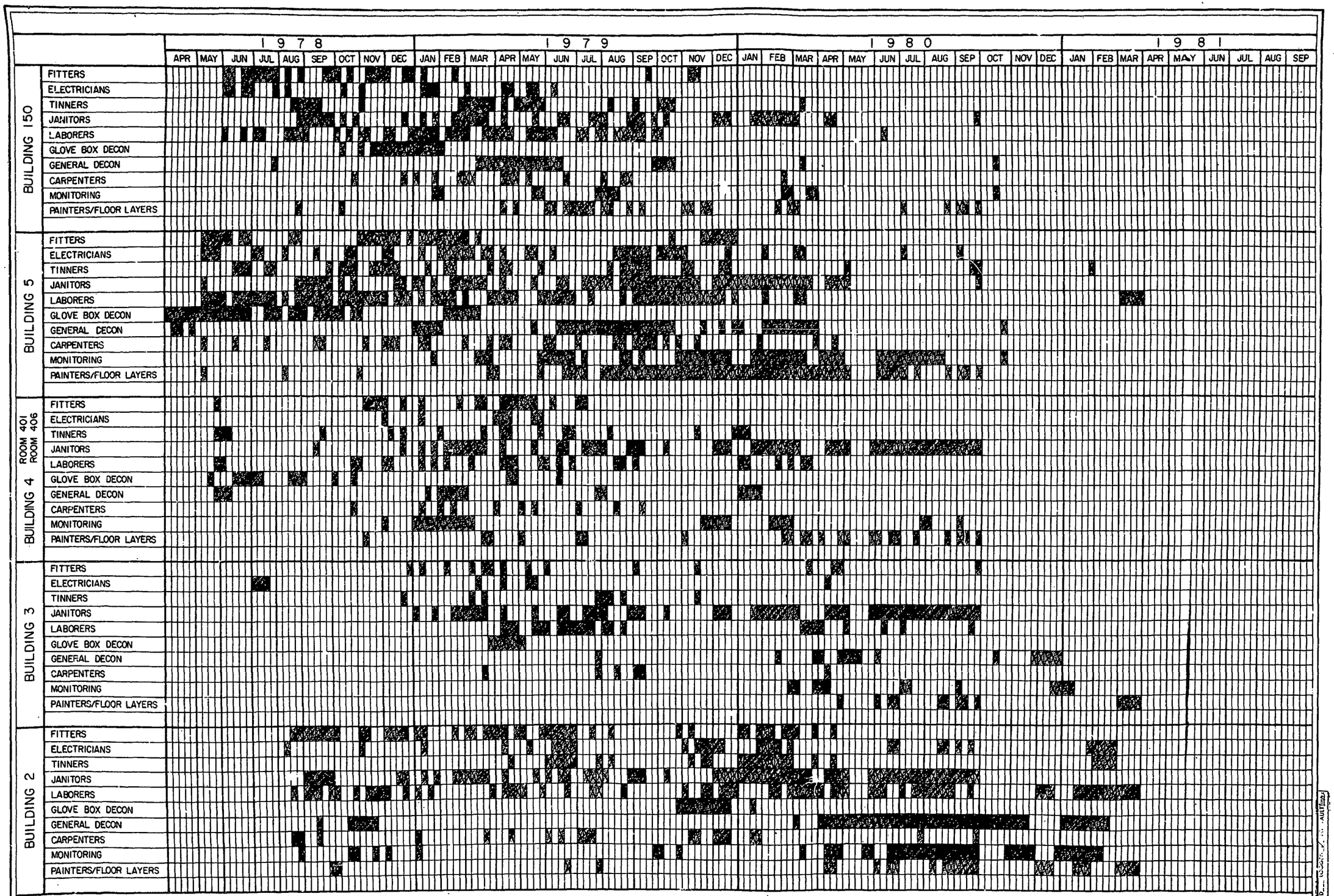


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