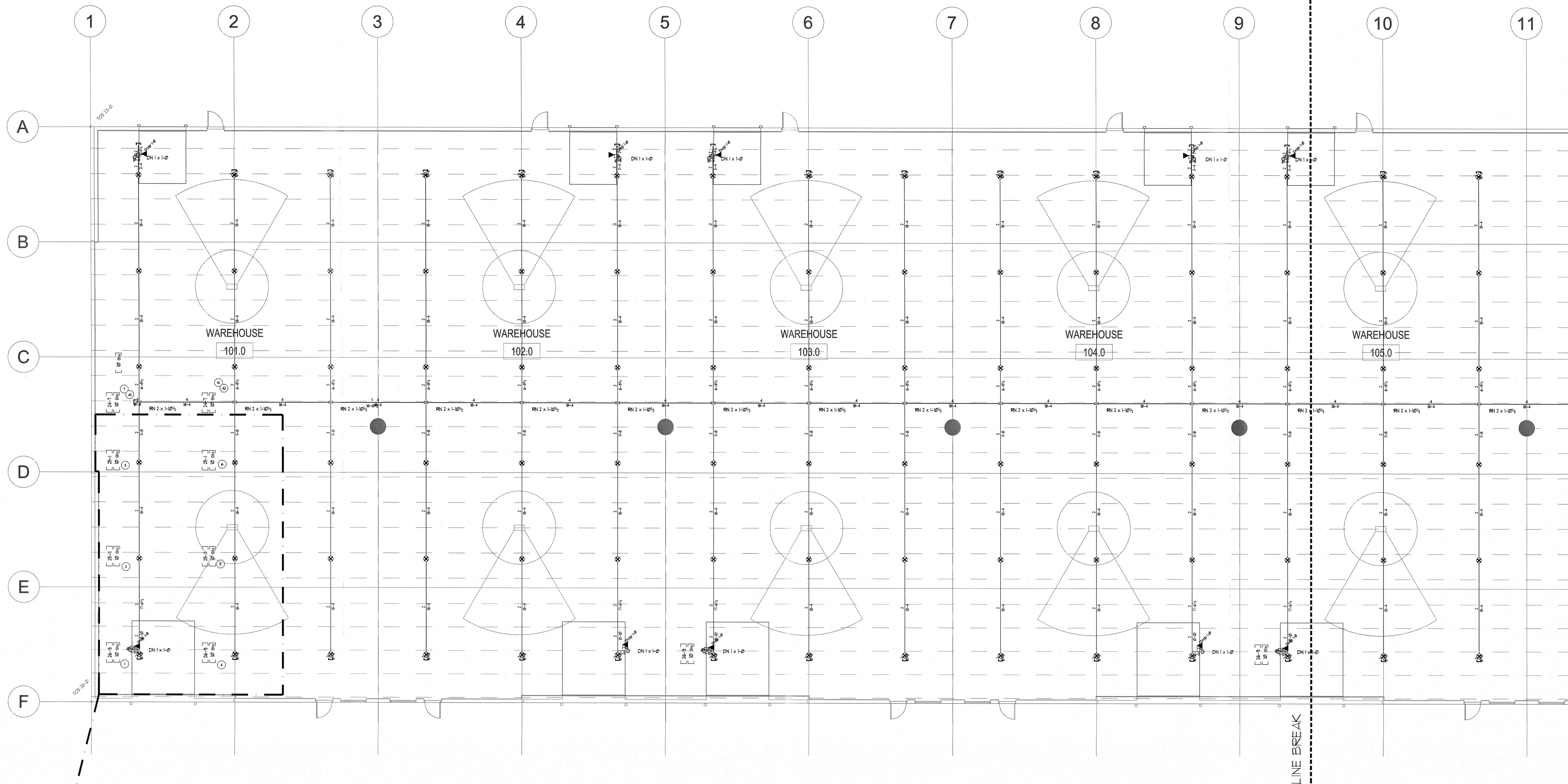


EXISTING 16" MAIN BY OTHERS

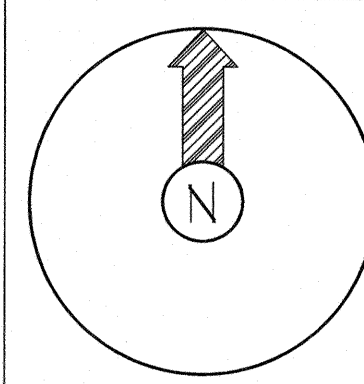


NEW 12" MAIN BY OTHERS

UNDERGROUND DISTANCE NOT TO SCALE
APPROX. 931'-0" FROM UNG1 TO TEST

SYSTEM DESIGN SUMMARY
CALCULATED AREA: 10,000 SQ. FT.
OCCUPANCY: WAREHOUSE
HAZARD: Q40
AREA / SPRINKLER: 100 GPM / 1.00 GPM
DENSITY: 0.20 GPM / SQ. FT. (MAX)
AREA OF OPERATION: 500 SQ. FT.
NUMBER OF OPERATING HEADS: 6
SYSTEM DEMAND: 140,000 GPM @ 99.628 PSI
+ TEST
INSIDE HOSE DEMAND: N/A GPM
OUTSIDE HOSE DEMAND: 500 GPM
SPRINKLER HEAD: VIKING VK 3001 OR UPRIGHT
ORANGE 1 1/2"
K FACTOR: 5.6
TEMPERATURE: 22"
NOTE:
CALCULATION DATA FILE:

*SEE PAGE 1 FOR GENERAL NOTES



CONSTRUCTION:
INSULATED METAL DECK ROOF ON STEEL BEAMS 1 BAR JOIST 1 ELEV. AS NOTED ON PLAN
PIPE TYPE:
SCHEDULE 40 AND SMALLER TO BE SCH. 40 PIPE WELDED 7" AND LARGER TO BE SCH. 10 PIPE
DESIGN CRITERIA:
PER NFPA 13, ORDINARY HAZARD OR II, 0.20 GPM/SQ. FT. FOR 500 SQ. FT. OPERATING
MAX 100 SQ. FT. HEAD SPACING + 250 GPM FOR HOSE ALLOWANCE.

FLOW TEST DATA:
STATIC: 105 PSI
RESIDUAL: 76 PSI
W/ 2300 GPM
CONDUCTED BY L3 WATER
ON 6-10-2023 10:10 AM
HYDRANTS 014-011 AND 014-013

DATE	REVISION

Symbol	Description
○	Hydraulic Reference Points
⊕	Elev. Below Top of Steel
⊖	Elev. Above Finished Floor
⊕	Elev. of Top of Steel
⊕	Ceiling Height
⊕	Denotes Hanger Location
o	Rise up or down
	ALL PIPE CUTS ARE CENTER TO CENTER

Sprinkler Head Summary										
Symbol	Count	NPT	Orif.	Make	Model	Finish	Style	Temp.	K=	SIN
⊕	12	3/4"	3/4"	RELIABLE	6R	BRASS	UPRIGHT GPR VELO ECH	22"	14	R6553
◀	8	1/2"	1/2"	VIKING	OR	BRASS	HOR SIDEWALL	220"	5.6	VK305

NOTICE OF NONRESPONSIBILITY
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FIRE SPRINKLER WEST

LAKEWOOD BUSINESS CENTER
LOT 1
NE MAGUIRE BLVD.
LEE'S SUMMIT, MO 64064

ADVANTAGE
FIRE PROTECTION SYSTEMS INC.
"We are your Advantage"
404B N.W. 11th Street
Blue Springs, MO 64015
Tel. (816) 224-3400



REVIEWING AUTHORITY
L3 FIRE DEPT.
HEADS THIS SHEET
80
TOTAL HEADS FOR JOB
26-0
SCALE
1/8" = 1'-0"
DRAWN BY
DANIEL LOGSTON
REVISION DATE
4-4-2024
DATE DRAWN
1-16-2024
CONTRACT NUMBER
J-2351
DRAWING NUMBER
2 OF 4