

EXISTING 16" MAIN BY OTHERS

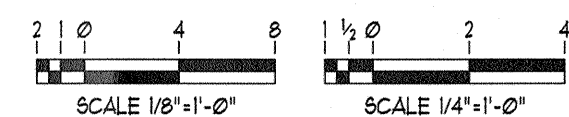
NEW 12" MAIN BY OTHERS

UNDERGROUND DISTANCE NOT TO SCALE
APPROX. 93'-0" FROM UNGI TO TEST

SYSTEM DESIGN SUMMARY
CALCULATED AREA: AREA *
OCCUPANCY: WAREHOUSE
HAZARD: OUI
AREA / SPRINKLER: 130
DENSITY: 0.20 GPM / SQFT (MAX)
AREA OF OPERATION: 800 SQFT
NUMBER OF OPERATING HEADS: 4
SYSTEM DEMAND: 745.164 GPM @ 95.24 PSI
4 TEST
INSIDE HOSE DEMAND: N/A GPM
OUTSIDE HOSE DEMAND: 250 GPM
SPRINKLER HEAD: VIKING VK 3200 OR UPRIGHT
ORFICE: 1/2"
K FACTOR: 5.6
TEMPERATURE: 20°
NOTE:
CALCULATION DATA FILE

*SEE PAGE 1 FOR GENERAL NOTES

LINE BREAK



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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.
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404B N.W. 11th Street
Blue Springs, MO. 64015
Tel. (816) 224-3400



REVIEWING AUTHORITY

LS FIRE DEPT.

HEADS THIS SHEET

80

TOTAL HEADS FOR JOB

260

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

CONSTRUCTION:
INSULATED METAL DECK ROOF ON STEEL BEAMS 4 BAR JOIST @ ELEV. AS NOTED ON PLAN
PIPE TYPE:
SCREWED 2" AND SMALLER TO BE SCH. 40 PIPE WELDED 2" AND LARGER TO BE SCH. 10 PIPE

DESIGN CRITERIA:
PER NFPA 13, ORDINARY HAZARD OR II, 0.20 GPM/SQFT FOR 800 SQFT. OPERATING
MAX 130 SQFT/HEAD SPACING 1.250 GPM FOR HOSE ALLOWANCE.

FLOW TEST DATA:
STATIC: 105 PSI
RESIDUAL: 76 PSI
CONDUCTED BY LS WATER
ON 8-10-2023 10:10AM
HYDRANTS 014-011 AND 014-013

DATE	REVISION
4-15-2024	SYSTEM NOW INCLUDES 3PSI SAFETY

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

Symbol	Count	NPT	Orif.	Make	Model	Finish	Style	Temp.	K=	SIN
⊕	12	3/4"	3/4"	RELIABLE	8R	BRASS	UPRIGHT GFR VELO ECHO	20°	14	R6553
⊕	8	1/2"	1/2"	VIKING	QR	BRASS	HOR SIDEWALL	200°	5.6	VC305