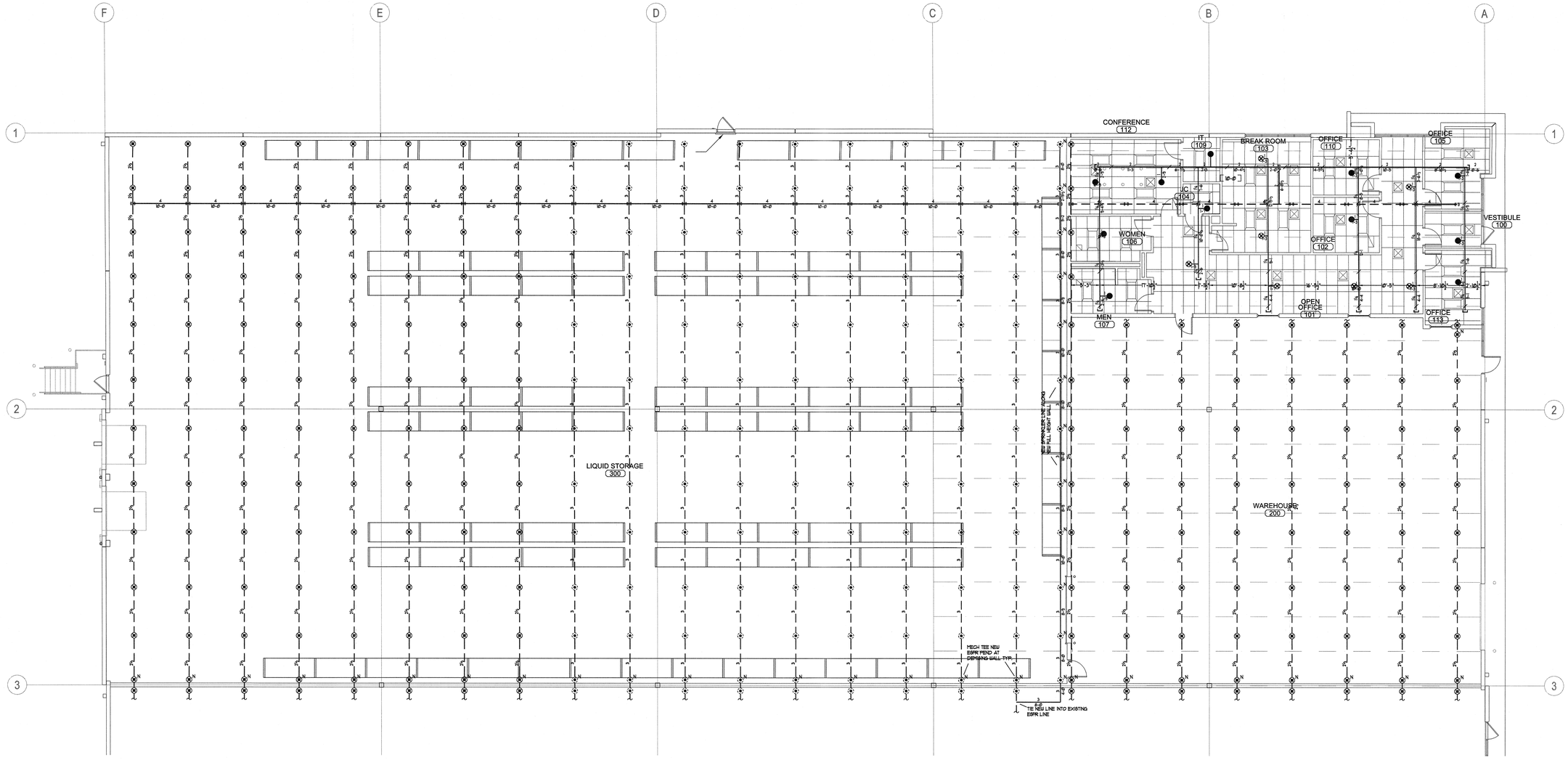
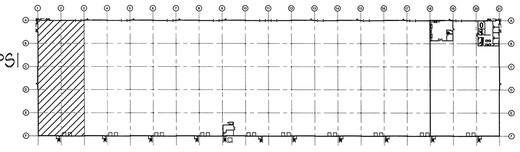


EXISTING PIPING
NEW PIPING

EXISTING OVERHEAD ESFR SPRINKLERS DESIGNED FOR 12 HEADS @ 50 PSI
NEW OFFICE PIPING FED FROM EXISTING OVERHEAD BRANCHLINES
OFFICES LIGHT HAZARD NO NEW CALCULATIONS PROVIDED

AREA OF WORK



SITE PLAN
NO SCALE

GENERAL NOTES

1. THE SYSTEM DESIGN CRITERIA COMPLIES WITH THE REQUIREMENTS OF NFPA 13 2016EDITION.
2. ALL PIPING SHALL CONFORM WITH THE REQUIREMENTS OF NFPA 13 2016 EDITION.
3. ALL FITTINGS SHALL CONFORM WITH THE REQUIREMENTS OF NFPA 13 2016 EDITION.
4. ALL HANGERS SHALL CONFORM TO THE REQUIREMENTS OF NFPA 13 2016 EDITION.
5. FITTINGS FOR 1" THRU 2" SHALL BE CAST IRON THREADED. FITTINGS FOR 2 1/2" THRU 4" PIPING ARE TO BE GROOVED OR WELDED OUTLETS.
6. LENGTHS OF PIPING 1" THRU 2" ARE SHOWN AS THREAD TO THREAD UNLESS NOTED AS: G- GROOVE OR C- CENTER. 2 1/2" THRU 4" PIPE LENGTHS ARE SHOWN AS CENTER TO CENTER UNLESS NOTED AS: G - GROOVE, W - WELD, F - FACE OR FLANGE OR T - THREAD.
7. ALL SECTIONS OF TRAPPED PIPING SHALL HAVE AUXILIARY DRAINS WHERE REQUIRED.
8. THE OWNER SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE HEAT TO PREVENT THE PIPING FROM FREEZING.
9. ALL SWITCHBOARDS, PANEL BOARDS, DISTRIBUTION BOARDS AND MOTOR CONTROL CENTERS SHALL BE PROTECTED FROM DAMAGE BY OTHERS.

HANGER SPACING TABLE

HANGER SPACING FOR STEEL PIPE (SCH. 40)

PIPE SIZE	HANGER SPACING
1", 1¼"	12'
1½" & LARGER	15'

HANGER SPACING FOR STEEL PIPE (THINWALL)

PIPE SIZE	HANGER SPACING
1" - 3"	12'
4" & LARGER	15'

SCALE 1/8"=1'-0"

STATE OF MISSOURI
TOM R. HAMPTON
8-22-25
PROFESSIONAL ENGINEER
E-23735

TENANT FINISH PLAN

SONNY'S
2201 NE TOWN CENTRE BOULEVARD
LEE'S SUMMIT, MO 64064

CONSTRUCTION: EXISTING CONSTRUCTION

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, LIGHT HAZARD , .010 GPM/SQFT FOR 1500 SQFT, OPERATING
MAX 225 SQFT/HEAD SPACING + 100 GPM FOR HOSE ALLOWANCE.
NOTE: REDUCE OPERATING AREA FOR QUICK RESPONSE SPRINKLER HEADS PER NFPA 13.
ALL SPRINKLERS TO BE QUICK RESPONSE TYPE, APPROVED FOR SPECIFIC OCCUPANCY.

FLOW TEST DATA:

STATIC :	PSI
RESIDUAL:	PSI
W/	GPM

DATE	REVISION

Symbols

Symbol	Description
○	Hydraulic Reference Points
℄=0'-0"	Elev. Below Top of Steel
EL=0'-0"	Elev. Above Finished Floor
+ TOS 0'-0"	Elev. of Top of Steel
(CH)	Ceiling Height
	Denotes Hanger Location
o	Rise up or down

ALL PIPE CUTS ARE CENTER TO CENTER

Sprinkler Head Summary

Symbol	Count	NPT	Ortf.	Make	Model	Finish	Style	Temp.	K=	SIN
●	11	1/2"	1/2"	VIKING	QR	CHROME	QR CHR PEND w/ CHR REC ESC	286°	5.6K	VK3621
⊗	7	3/4"	3/4"	VIKING	EC/QREC	CHROME	QR EC PENDANT w/ CHR REC ESC	286°	8.2K	VK534
21"	21	1"	1"	VIKING	ESFR	BRASS	ESFR PENDANT	165°	22.4K	VK386
11"	11	3/4"	3/4"	VIKING	ESFR	BRASS	ESFR PENDANT	165°	16.8K	VK383
					ESFR	BRASS	EXISTING ESFR PENDANT	165°	22.4K	VK386
					ESFR	BRASS	EXISTING ESFR PENDANT	165°	16.8K	VK383

NOTICE OF NONRESPONSIBILITY

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

REVIEWING AUTHORITY	LEE'S SUMMIT FIRE DEPT.
HEADS THIS SHEET	56
TOTAL HEADS FOR JOB	56
SCALE	1/8" = 1'-0"
DRAWN BY	MATT KNOX
REVISION DATE	
DATE DRAWN	8/22/25
CONTRACT NUMBER	J-2504
DRAWING NUMBER	1 OF 1