

RELEASED FOR CONSTRUCTION
As Noted on Plan Review

Lee's Summit Fire Department
Lee's Summit, Missouri
02/23/2026

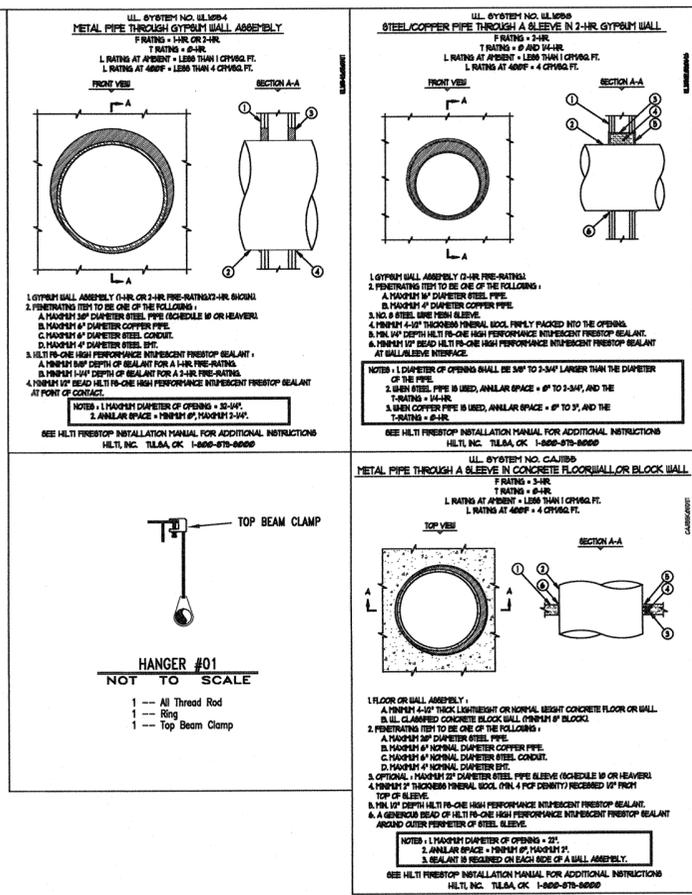
HANGER SPACING TABLE

HANGER SPACING FOR STEEL PIPE (SCH. 40)

PIPE SIZE	HANGER SPACING
1", 1 1/4"	12'
1 1/2" & LARGER	15'

HANGER SPACING FOR STEEL PIPE (THINWALL)

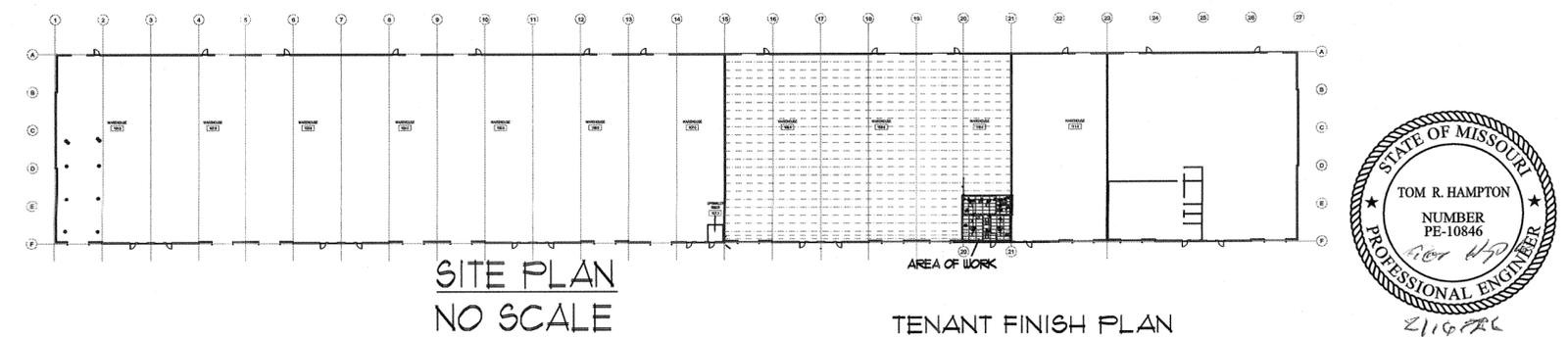
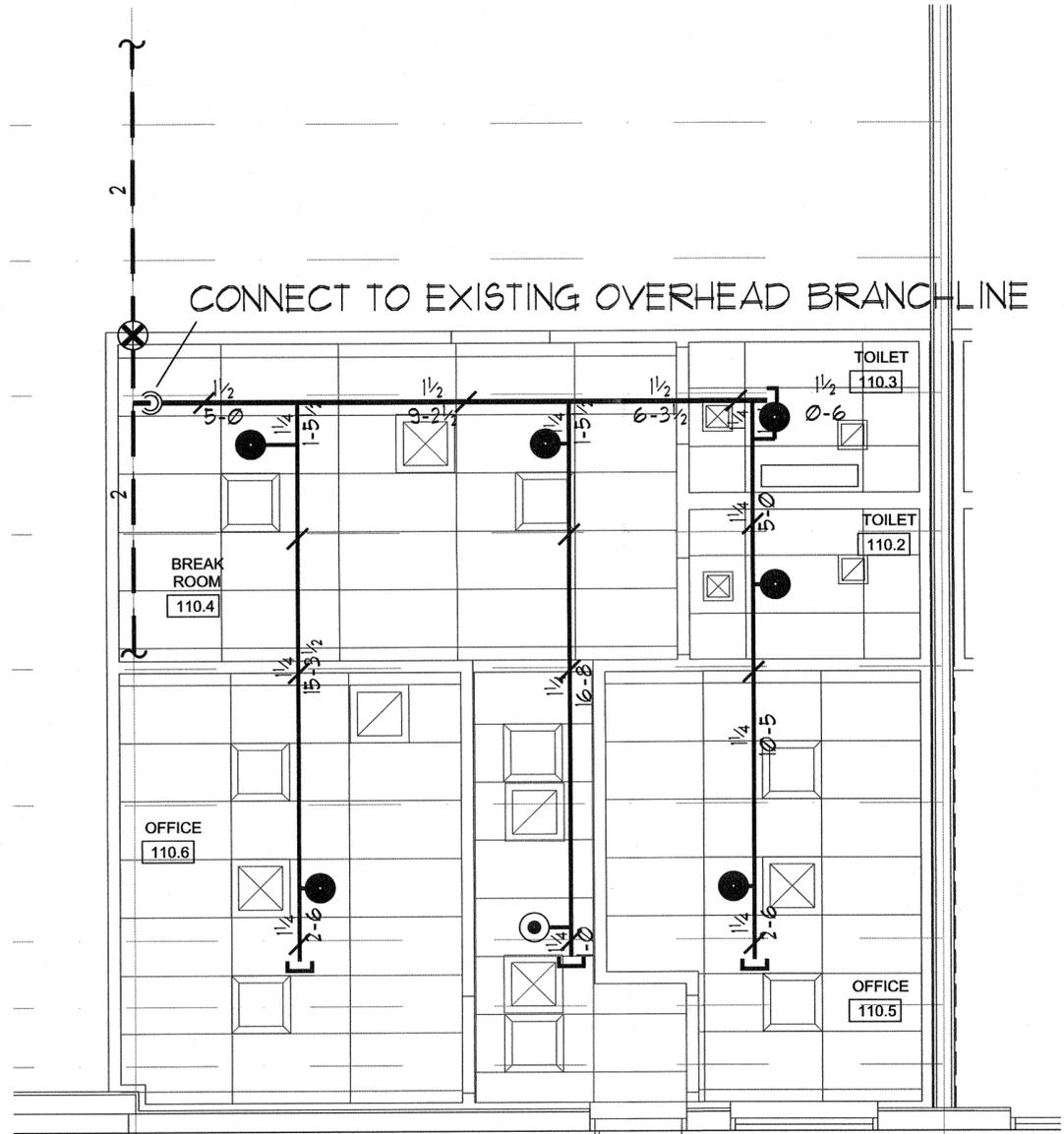
PIPE SIZE	HANGER SPACING
1" - 3"	12'
4" & LARGER	15'



INSTALL NEW SPRINKLER PIPE FROM EXISTING OVERHEAD BRANCHLINES FOR NEW OFFICE WALLS AND CEILING SIZE SIMILAR TO EXISTING SPACES NO NEW CALCULATIONS REQUIRED

GENERAL NOTES

1. THE SYSTEM DESIGN CRITERIA COMPLIES WITH THE REQUIREMENTS OF NFPA 13 2016 EDITION.
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.



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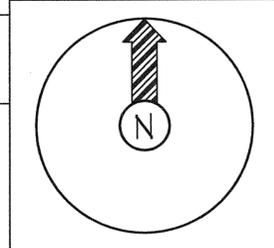
NEW OFFICE PLAN
SCALE 1/4" = 1'-0"

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CONSTRUCTION: EXISTING CONSTRUCTION

PIPE TYPE:
SCREWED 2" AND SMALLER TO BE SCH. 40 PIPE. WELDED 1 1/4" AND LARGER TO BE SCH. 10 PIPE.

DESIGN CRITERIA:
PER NFPA 13, LIGHT HAZARD, 0.10 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.



Symbol	Description
○	Hydraulic Reference Points
⊖	Elev. Below Top of Steel
⊕	Elev. Above Finished Floor
⊕ (top)	Elev. of Top of Steel
⊙	Ceiling Height
—	Denotes Hanger Location
○	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
●	6	1/2"	1/2"	VIKING	GR	CHROME	GR CHR PENDANT w/ CHR REC ESC	200°	5.6K	VK3021
⊙	1	3/4"	3/4"	VIKING	EC/GREC	CHROME	EC GR CHR PENDANT w/ CHR REC ESC	200°	11.2K	VK534

NOTICE OF NONRESPONSIBILITY

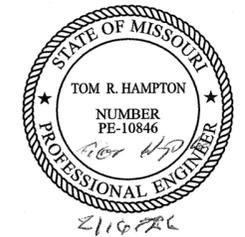
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ADVANTAGE
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REVIEWING AUTHORITY	
LE'S FIRE DEPT	HEADS THIS SHEET
7	TOTAL HEADS FOR JOB
7	SCALE
1/4" = 1'-0"	DRAWN BY
MATT KNOX	REVISION DATE
	DATE DRAWN
2/16/26	CONTRACT NUMBER
J-25	DRAWING NUMBER
1 OF 1	