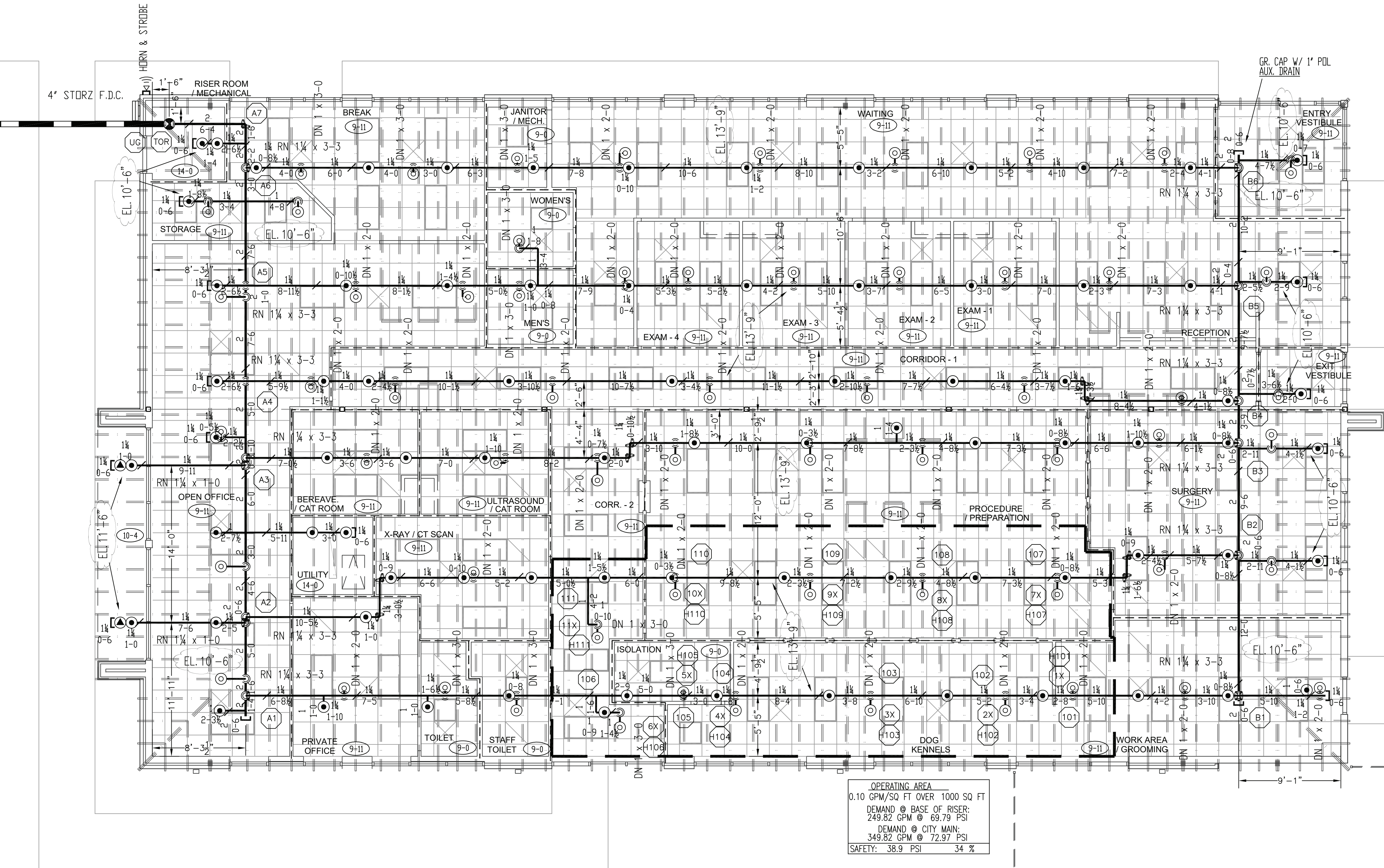


12" LOOPED CITY MAIN

* FLOW TEST DATA *

STATIC: 115 PSI
RESIDUAL: 70 PSI
FLOW 1501 GPM

DATE: 6-3-2025
LOCATION: LOOPED CITY MAIN
ELEV.: SAME AS F.F.
SOURCE: GOAL FIRE PROTECTION

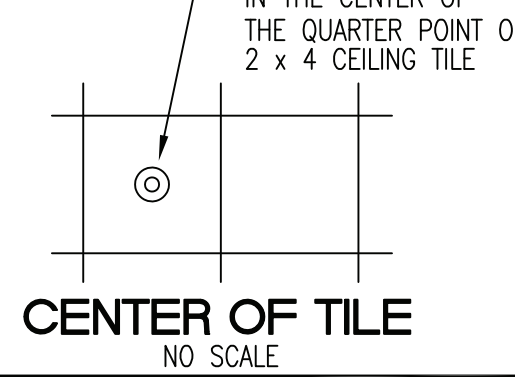
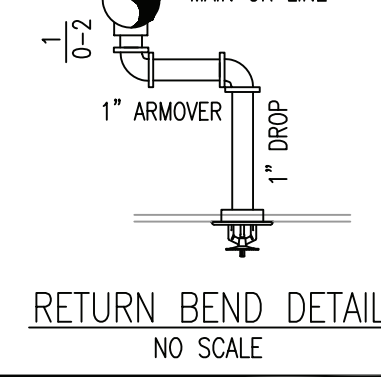
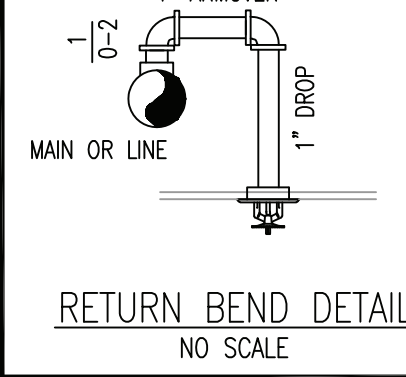
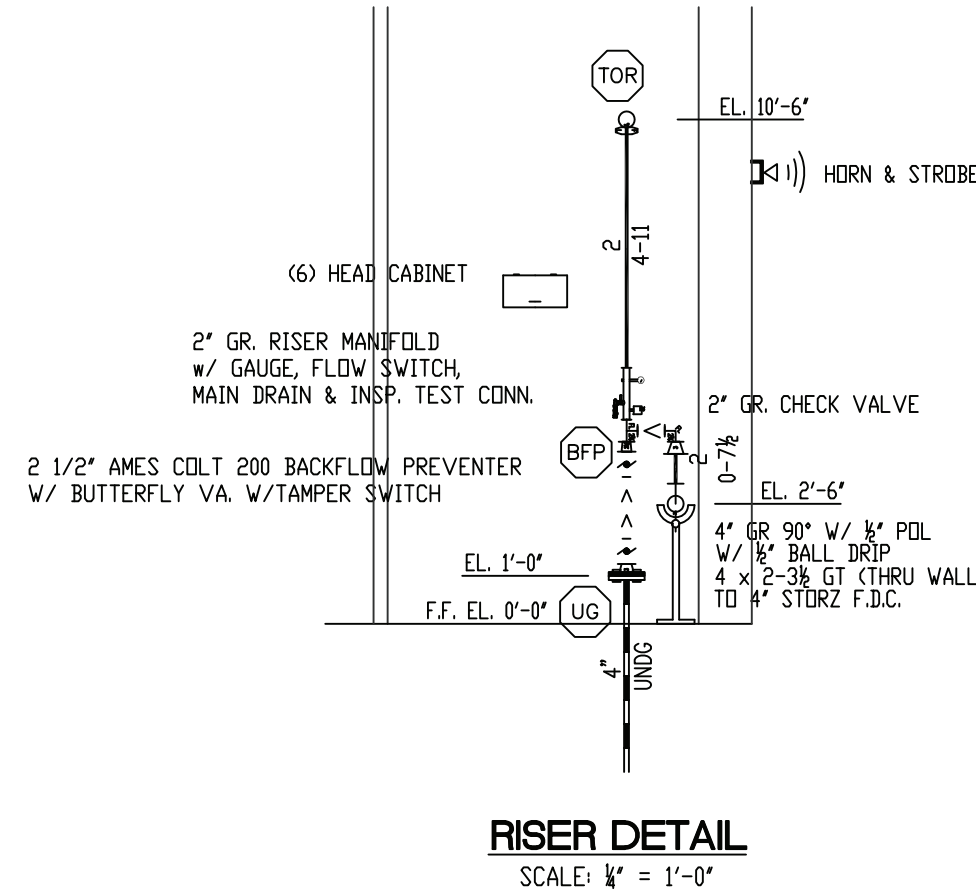


OPERATING AREA
0.10 GPM/SQ FT OVER 1000 SQ FT
DEMAND @ BASE OF RISER
249.82 GPM @ 69.79 PSI
DEMAND @ CITY MAIN
349.82 GPM @ 72.97 PSI
SAFETY: 36.9 PSI 34 %

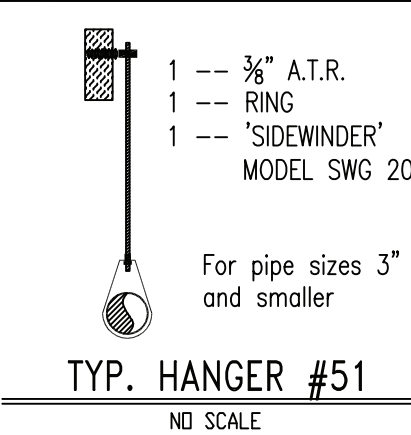
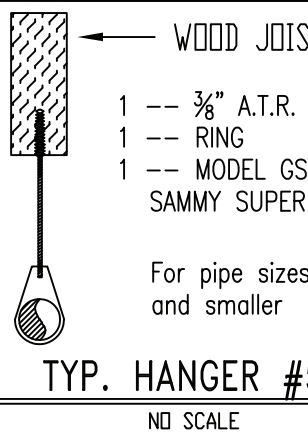
NOTES

F.F. EL. 0'-0"
BOTTOM OF OPEN WEB WOOD TRUSS = 14'-0"
GYP. BOARD TO BE @ BOTTOM OF JOISTS
TOP OF BEAM = 13'-10" / BOTTOM OF BEAM = 12'-8"
ALL HANGERS TO BE SPACED PER NFPA - 13 (SEE CHART)
ALL HANGERS TO BE CDJ
ALL SPRIGS TO BE 1" x CDJ
PENDENT HEADS TO BE ON 40" ARGO FLEX DROPS
----- FULL HEIGHT WALL

* SYSTEM MAIN PIPING TO BE @ EL. 10'-6" U.N.D. *
* SYSTEM LINE PIPING TO BE @ EL. 13'-9" U.N.D. *



Maximum Distance between Hangers (ft.-in.) Per NFPA-13	1"	1 1/4"	1 1/2"	2"	3"	4"	6"
STEEL PIPE EXCEPT THREADED LIGHTWALL	12'-0"	12'-0"	15'-0"	15'-0"	15'-0"	15'-0"	15'-0"
STEEL PIPE	12'-0"	12'-0"	12'-0"	12'-0"	N/A	N/A	N/A
CPVC	6'-0"	6'-6"	7'-0"	8'-0"	9'-0"	10'-0"	N/A



DESIGN CRITERIA:

STORAGE/MECH. AREAS:
PER NFPA-13, 2016 EDITION, ORDINARY HAZARD GR. I:
0.15 GPM/SQ. FT. FOR 900 SQ. FT.
OUTSIDE HOSE ALLOWANCE = 250 GPM.
BLIND SPACE:
PER NFPA-13, 2016 EDITION, LIGHT HAZARD:
0.10 GPM/SQ. FT. FOR 1050 SQ. FT.
OUTSIDE HOSE ALLOWANCE = 100 GPM.
ALL OTHER AREAS:
PER NFPA-13, 2016 EDITION, LIGHT HAZARD:
0.10 GPM/SQ. FT. FOR 1000 SQ. FT.
OUTSIDE HOSE ALLOWANCE = 100 GPM.

PIPE TYPE:

ALL WELDED/GROOVED PIPING TO BE SCHED. 10
ALL THREADED PIPING TO BE SCHED. 40

GENERAL NOTES:

ALL FITTINGS CONFORM TO SECTION 2-4 OF NFPA HANDBOOK 13.
VALVES ON CONNECTIONS TO WATER SUPPLIES, SECTIONAL CONTROL VALVES AND OTHER VALVES IN
SUPPLY PIPES TO SPRINKLERS SHALL BE SUPERVISED OPEN BY AN APPROVED METHOD.
IT IS THE OWNERS RESPONSIBILITY TO PROVIDE ADEQUATE HEAT TO KEEP THE SPRINKLER SYSTEM
FROM FREEZING.
ALL ELECTRICAL WIRING OF ALARM BELLS, FLOW SWITCHES AND TAMPER SWITCHES (IF REQUIRED)
TO BE DONE BY OTHERS.
THE SPRINKLER SYSTEM TO BE INSTALLED IN ACCORDANCE WITH NFPA 13.
HANGERS TO BE SPACED TO MEET NFPA REQUIREMENTS
EL = CENTER LINE OF PIPE BELOW TOP OF STEEL
EL = CENTER LINE OF PIPE ABOVE FINISHED FLOOR

CONSTRUCTION:

OPEN WEB WOOD JOISTS

Job/Discovery Animal Hospital										Plan Notes										Symbols										SPRINKLER LEGEND										Drawing Title																																																																																																													
1901 NE TRAILS EDGE BLVD. LEE'S SUMMIT, MO 20920 147th Street Basehor, KS. 66007 (913) 441-3390										1. All Pipe Locations are to be Field Measured Prior to Fabrication and Installation by Sprinkler Contractor. 2. All Pipe Dimensions Shown are Center to Center. 3. High Temperature Heads are to be Field Located Where Required. 4. All Pipes and Hangers are to be Installed per NFPA #13. 5. Hangers are to be U.L. Listed and P.M. Approved.										Symbol [18 in] [8-4] + (705 20-4)										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										Symbol ⊙ ⊙ ⊙ ⊙ ⊙ ⊙ ⊙										Description RELIABLE TYPE OF OR UPSTREAM (ON SPRING) RELIABLE TYPE OF OR DOWNSTREAM RELIABLE TYPE OF OR ONLY PENDENT CHROME CHROME CHROME CHROME										FINISH BRASS CHROME CHROME CHROME CHROME CHROME										TEMP 200" 200" 200" 200" 200" 200"										DISPLACE 1/2" 1/2" 1/2" 5.6 5.6 5.6 5.6										K-FACTOR 5.6 5.6 5.6 5.6 5.6 5.6										COUNT 80 82 2										Contract No.:										Drawn By: B & K										Scale: 3/16" = 1'-0" 5' 0 5' 10'										Date: 7-1-2025									
																																								TOTAL THIS SHEET 144																																																																																																													

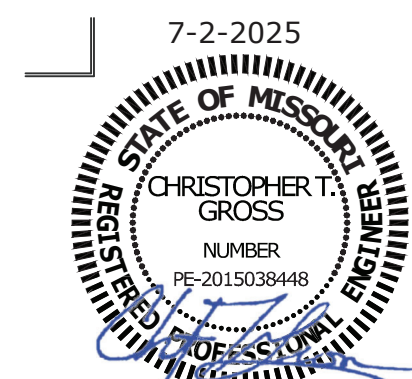
SHEET 1 OF 1	
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Job: DISCOVERY ANIMAL HOSPITAL

1901 NE TRAILS EDGE BLVD.
LEE'S SUMMIT, MO

GOAL FIRE PROTECTION, LLC
"Realistic Service is our Goal!"

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Bosch, KS. 66007
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