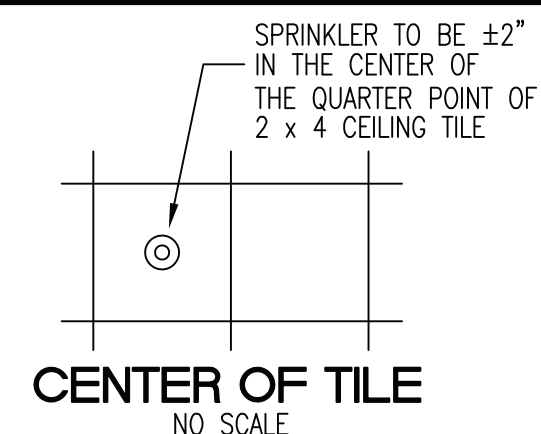
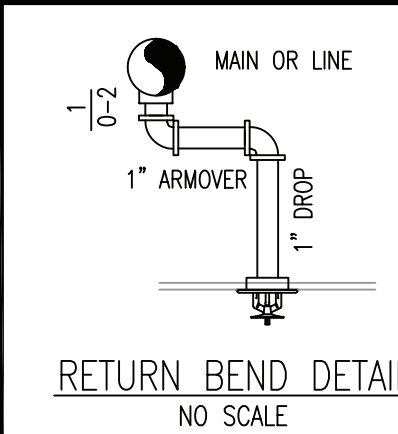


RELEASED FOR CONSTRUCTION
As Noted on Plan Review

Lee's Summit Fire Department
Lee's Summit, Missouri

07/16/2025



GENERAL NOTES:
ALL FITTINGS CONFORM TO SECTION 2-4 OF NFPA PAMPHLET 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 OWNER'S 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
CL = CENTER LINE OF PIPE BELOW TOP OF STEEL
EL = CENTER LINE OF PIPE ABOVE FINISHED FLOOR

CONSTRUCTION:

OPEN WEB WOOD JOISTS

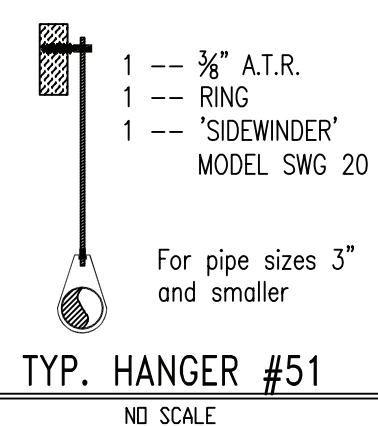
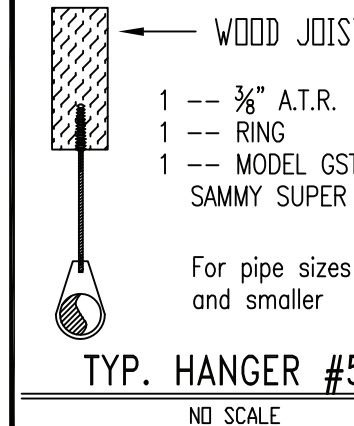
PIPE TYPE:

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

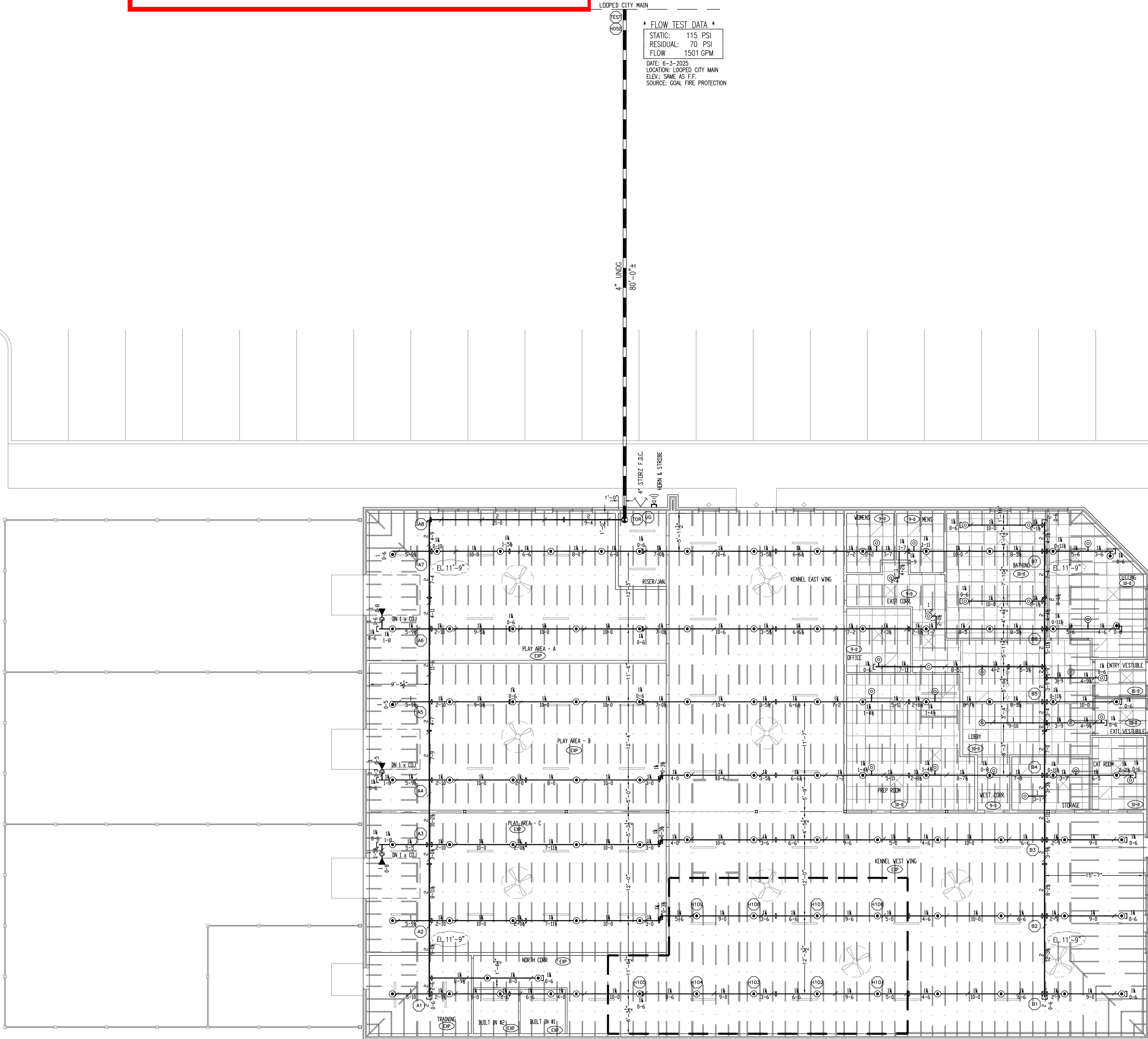
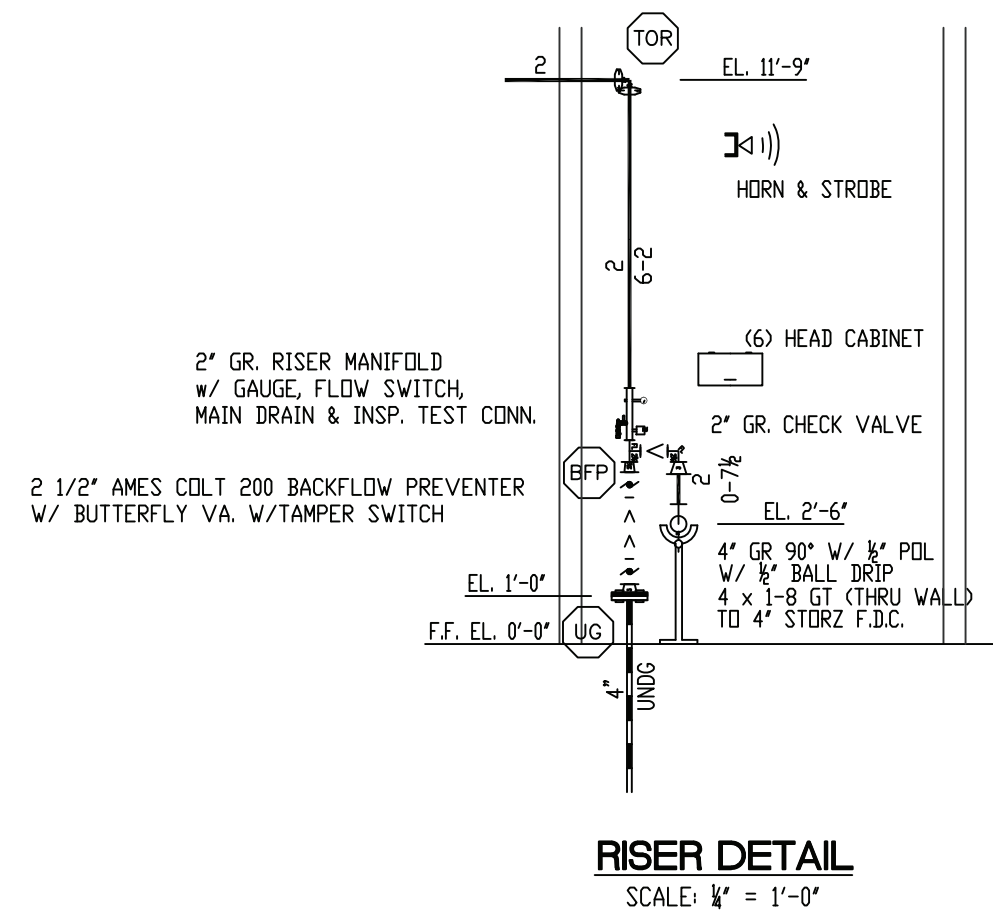
DESIGN CRITERIA:

STORAGE/MECH. AREAS:
PER NFPA-13, 2016 EDITION, ORDINARY HAZARD GR. I:
0.15 GPM/SQ. FT. FOR 300 SQ. FT.
OUTSIDE HOSE ALLOWANCE = 250 GPM
ALL OTHER AREAS:
PER NFPA-13, 2016 EDITION, LIGHT HAZARD:
0.10 GPM/SQ. FT. FOR 1040 SQ. FT.
OUTSIDE HOSE ALLOWANCE = 100 GPM

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



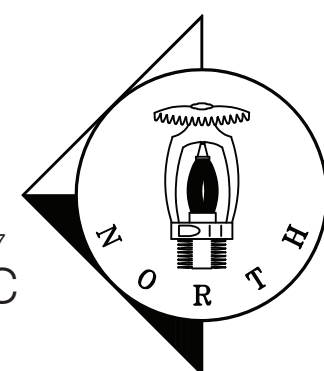
Drawing Title		Revisions:	Date:
SPRINKLER LEGEND	SYMBOL	DESCRIPTION	SYMBOL
1. RELIEF VALVE OR OR UPSTREAM (ON SPRING)	○	Hydraulic Reference Points	○
2. RELIEF VALVE OR OR DOWNSTREAM	⊙	Elev. Below Top of Steel	⊙
3. RELIEF VALVE OR OR BRASS IRON SIGNAL	▲	Elev. Above Finished Floor	▲
4. (TOS 20'-0")	⊕	Elev. of Top of Steel	⊕
5. Ceiling Height	⊕	Denotes Hanger Location	⊕
6. Rise up or down	○		○



* 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 1040 SQ. FT.
DEMAND @ BASE OF RISER:
137.52 GPM @ 35.40 PSI
DEMAND @ CITY MAIN:
137.52 GPM @ 35.29 PSI
SAFETY: 75.2 PSI

NOTES
F.F. EL. 0'-0"
BOTTOM OF OPEN WEB WOOD TRUSS = 12'-0"
BOTTOM OF WIRE STEEL BEAM = 12'-0"
ALL HANGERS TO BE SPACED PER NFPA - 13 (SEE CHART)
ALL HANGERS TO BE CLU
PENDENT HEADS TO BE ON 40" ARGOS FLEX DROPS
* SYSTEM PIPING TO BE @ EL. 11'-9" UN.D. *



Job: DISCOVERY PET SPA

1921 NE TRAILS EDGE BLVD.
LEE'S SUMMIT, MO

