

COMMERCIAL AREA:
PER NFPA-13, 2016 EDITION, ORDINARY HAZARD GR. I:
0.20 GPM/SQ. FT. FOR 1500 SQ. FT.
OUTSIDE HOSE ALLOWANCE = 250 GPM.

PARKING / STORAGE / MECH. AREAS:
PER NFPA-13, 2016 EDITION, ORDINARY HAZARD GR. I:
0.15 GPM/SQ. FT. FOR 1000 SQ. FT.
OUTSIDE HOSE ALLOWANCE = 250 GPM.

ALL OTHER AREAS:
PER NFPA-13, 2016 EDITION, LIGHT HAZARD:
0.10 GPM/SQ. FT. FOR 900 SQ. FT.
OUTSIDE HOSE ALLOWANCE = 100 GPM.

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

ALL FITTINGS CONNECT TO SECTION 2-4 OF NFPA AMPLIFIED 13.

VALVES ON CONNECTIONS TO WATER SUPPLIES, SECTION 2, 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 OF REQUIRED TO BE DONE BY OTHERS.

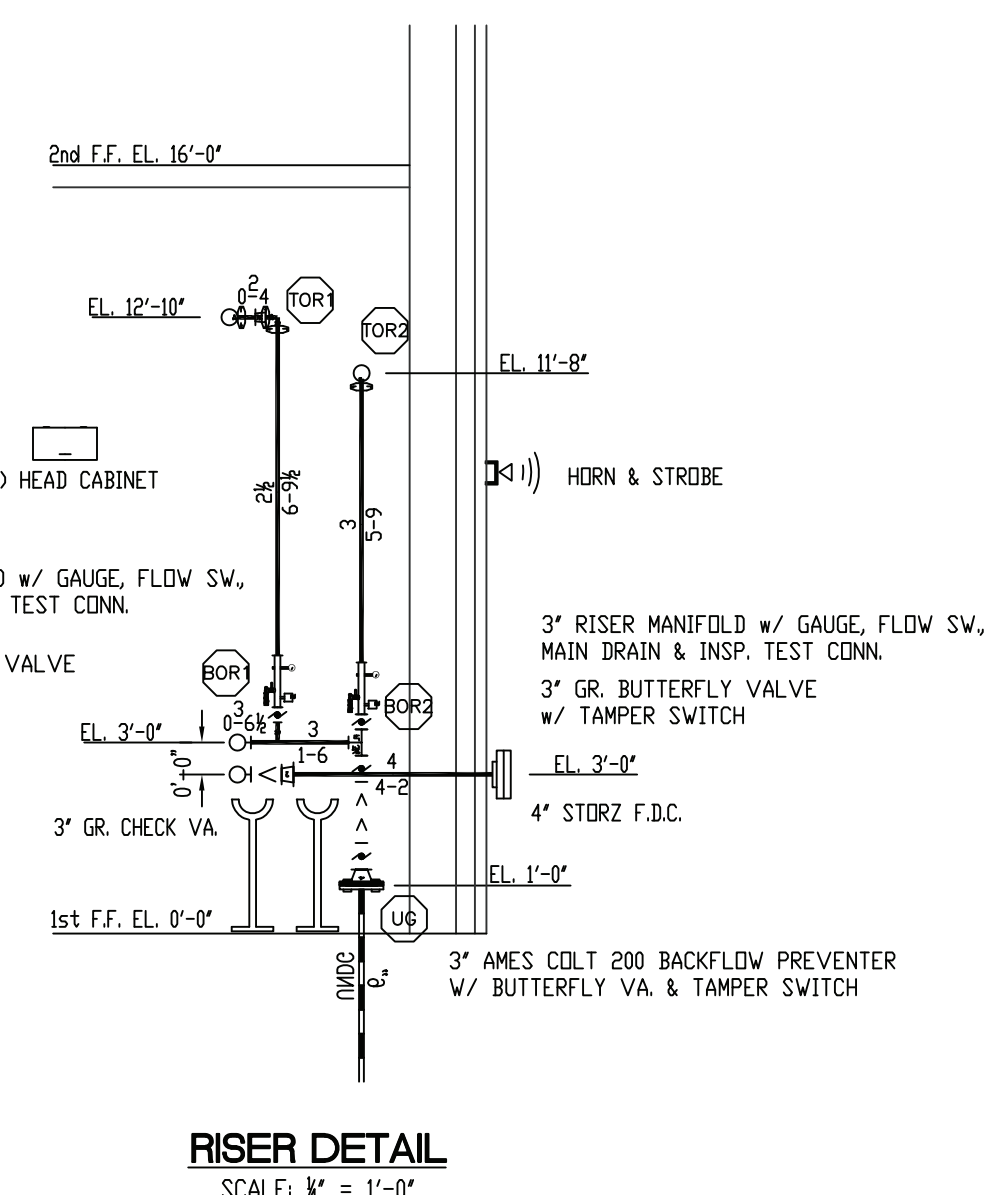
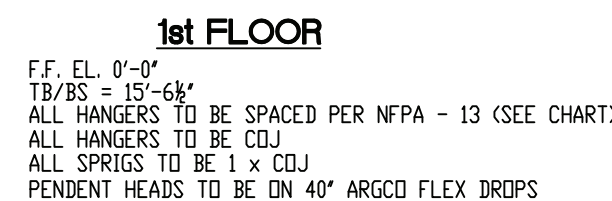
THE SPRINKLER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13.

HANGERS TO BE SPACED TO MEET NFPA REQUIREMENTS

CL = CENTER LINE OF PIPE BELOW TOP OF STEEL

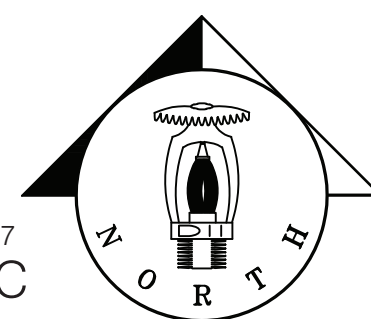
EL = CENTER LINE OF PIPE ABOVE FINISHED FLOOR

CON

[illegible]

8-25-2025

STATE OF MISSOURI
REGISTERED ENGINEER
CHRISTOPHER T. GROSS
NUMBER
PE-2015038448
OFFICE



MISSOURI PE COA #2016025677
CG Engineering, LLC
 1624 N Glen Ellyn
 Independence, MO 64056
 816-516-9540

Job: THE VILLAGE AT DISCOVERY
LOT 4
1921 NE DISCOVERY AVE
LEE'S SUMMIT, MO



0920 147th Street
Basehor, KS. 66007
(913) 441-3390

SHEET 1 OF 3

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 OWNERS RESPONSIBILITY TO PROVIDE ADEQUATE HEAT TO KEEP THE SPRINKLER SYSTEM FROM FREEZING.

ALL ELECTRICAL WIRING OF ALARM BELLS, FLOW SWITCHES AND TAMPER SWITCHES (OF REQUIRED) TO BE DONE BY OTHERS.

THE SPRINKLER SYSTEM TO BE INSTALLED IN ACCORDANCE WITH NFPA 13.

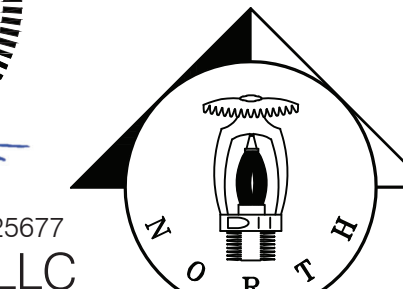
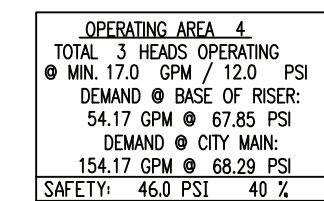
HANGERS TO BE SPACED TO MEET NFPA REQUIREMENTS

4L = CENTER LINE OF PIPE BELOW TOP OF STEEL

EL = CENTER LINE OF PIPE ABOVE FINISHED FLOOR

CONSTRUCTION:

WOOD JOISTS

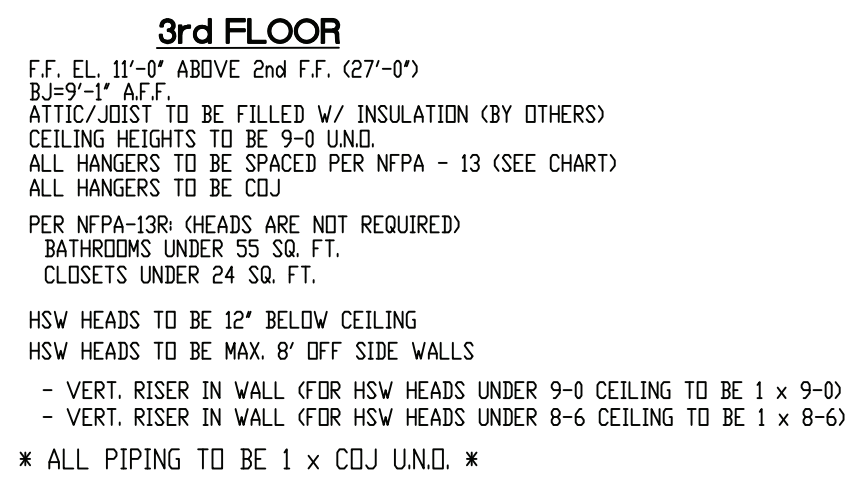


DESIGN CRITERIA:
LEVELS 2 & 3:
PER NFPA-13R, 2016 EDITION:
ALL HEADS IN A SINGLE COMPARTMENT, UP TO 4 OPERATING.
OUTSIDE HOSE ALLOWANCE = 100 GPM.

CONSTRUCTION: WOOD JOISTS



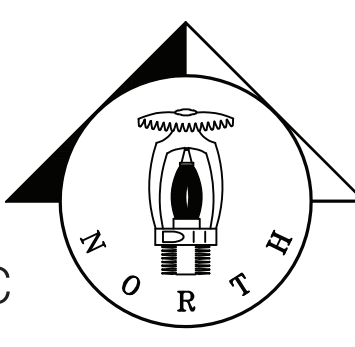
Drawing Title	COUNT	K-FACTOR		TOTAL THIS SHEET	Date:	8
	215	4.4				
	6	5.6				
Contract						
Drawn By						
Scale: 1/						
						
4'						
0						



Symbols			
Symbol	Description	Symbol	Description
	Hydraulic Reference Points		REMARK: TYPED REMARK HERE
[a-e] [a-e]	Elev. Below Top of Steel		REMARK: TYPE OF QTY HERE
+ (OS 20-0)	Elev. Above Finished Floor		
	Elev. of Top of Steel		
	Ceiling Height		
	Denotes Hanger Location		
	Rise up or down		

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.

WILLAGE AT DISCOVERY
LOT 4
 1921 NE DISCOVERY AVE
 LEE'S SUMMIT, MO



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