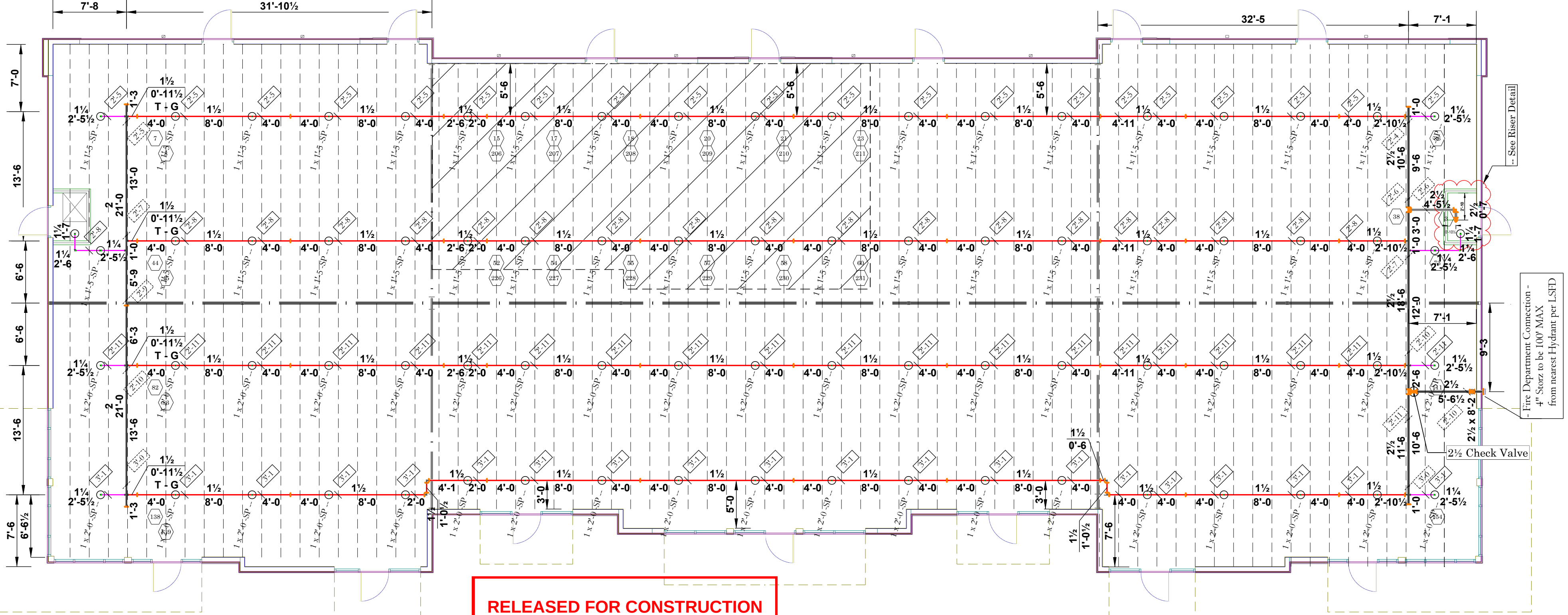


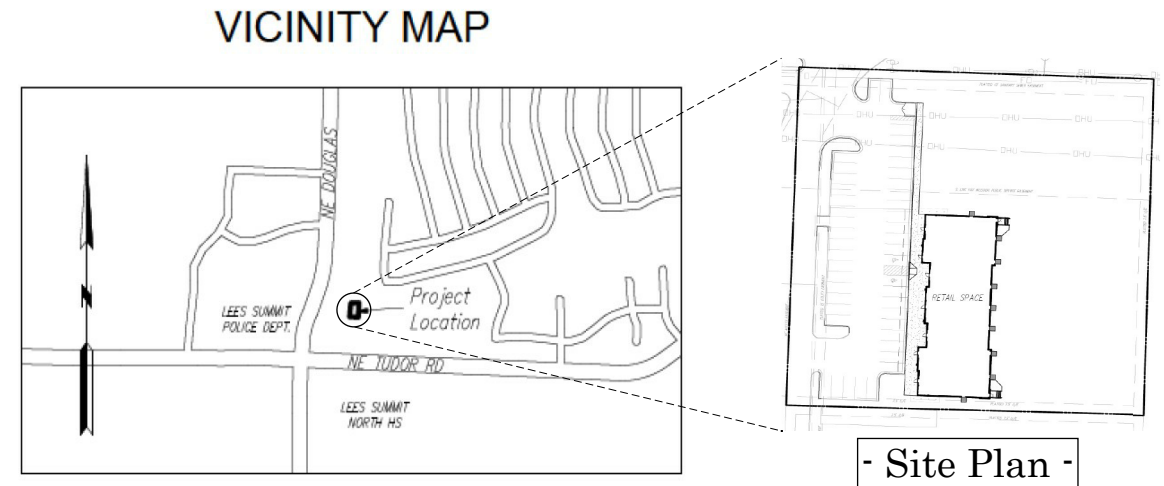


RELEASED FOR CONSTRUCTION
As Noted on Plan Review

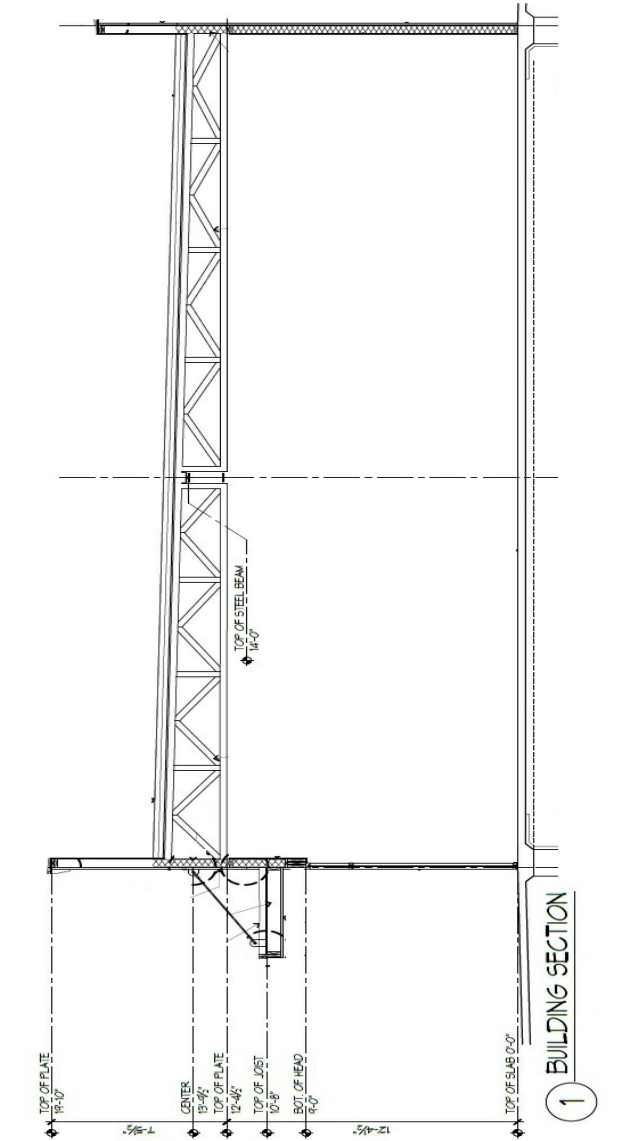
Lee's Summit Fire Department
Lee's Summit, Missouri

04/15/2024

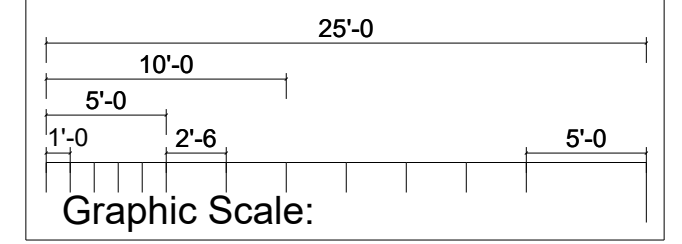
Hydraulic Information	
Remote Area Ord II Haz - Retail Shell	
OCCUPANCY CLASSIFICATION	Ordinary Group II
DENSITY (gpm/ft²)	0.20 for 990 ft² (Actual 1035 ft²)
TOTAL HOSE STREAMS	250.00
TOTAL HEADS FLOWING	12
K-FACTOR	5.6
TOTAL WATER REQUIRED	540.96
TOTAL PRESSURE REQUIRED	56.040
SAFETY MARGIN (psi)	+23.194 (29.3%)



- Site Plan -



- Side Sectional View Detail -

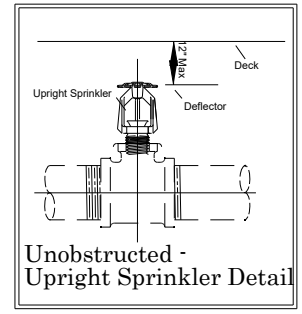
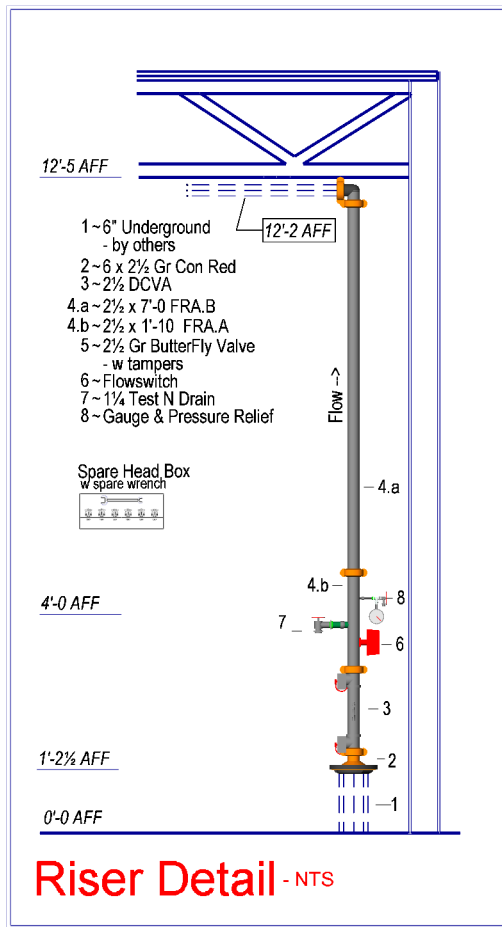


8.15.7.2* Sprinklers shall be permitted to be omitted where the exterior canopies, roofs, porte-cochères, balconies, decks, and similar projections are constructed with materials that are noncombustible, limited-combustible, or fire retardant-treated wood as defined in NFPA 703, or where the projections are constructed utilizing a noncombustible frame, limited-combustibles, or fire retardant-treated wood with an inherently flame-resistant fabric overlay as demonstrated by Test Method 2 in accordance with NFPA 701.

- NFPA 13 - Exterior Projections

Hanger Schedule for Steel Pipe	
Pipe Size	Max Hanger Spacing
1"	12'-0
1 1/4"	12'-0
1 1/2"	12'-0
2"	12'-0
2 1/2"	15'-0
3"	15'-0
4"	15'-0
6"	15'-0

- All sprinkler material to comply with NFPA Standards. -
-- All Piping to be 12'-2 AFF --

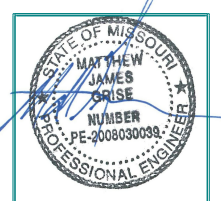


Basement Floor - Sprinkler Legend									
Symbol	Make	SIN	Model	Qty	K	Type	Size	Response	Finish Temp
	Wing	VC001	XT1	78	5.6	Upright	1/2"	Quick	175 F
				Total = 78					

- This is a new building of Wooden Truss & Joist construction.
-COMBUSTIBLE, UNOBSTRUCTED Construction.
- GENERAL NOTES**
- This design is based upon the owner's acceptance of NFPA 13 2016 edition for installation and NFPA 25 for maintenance of this fire protection system.
 - All above ground Threaded piping to be Sch 40 or equal.
All above ground Grooved piping 4" or smaller to be Sch 7 equal.
All above ground Grooved piping 6" or larger to be Sch 10 equal.
 - All sprinkler material to comply with all local requirements and applicable NFPA Standards.
 - Continuous central monitoring of sprinkler systems per NFPA 72 to be by others.
 - All electrical wiring to be by others.
 - All underground piping to be by others.
 - All painting of sprinkler pipe to be by others.
 - All patching and/or painting of penetrated drywall and masonry walls to be by others.
 - Building to be provided with adequate heat to prevent piping from freezing.
 - All marking or labeling of sprinkler piping to be by others.

REVISIONS	
DATE	DESCRIPTION

Supply Flow Test Data	
Test Conducted By	LS H20
Date of Test	1/29/2024
Hydrant Numbers	023-023PM & 023-018PM
Static Pressure	80.000
Residual Pressure	71.000
Flow	2086.00
Outside Hose Flow	236.00



REVIEWING AUTHORITY	
Lee's Summit Codes	
TOTAL HEADS FOR JOB	87
SCALE	1/4" = 1'-0"
DRAWN BY	JJR
DATE DRAWN	04-04-2024
CONTRACT NUMBER	NC-1424
DRAWING NUMBER	PP 1

PRCOM-2023 4052
Fire Protection Plan
< Submittal >

- Douglas Corner -
150 NE Tudor
Lee's Summit, MO

Contract with:
Capital Construction
Fire Protection Plan
Alliance Fire Protection

130 W 9th Ave
Suite 101
NORTH KANSAS CITY, MO 64116
PHONE (813) 888-0647
FAX (813) 888-0618