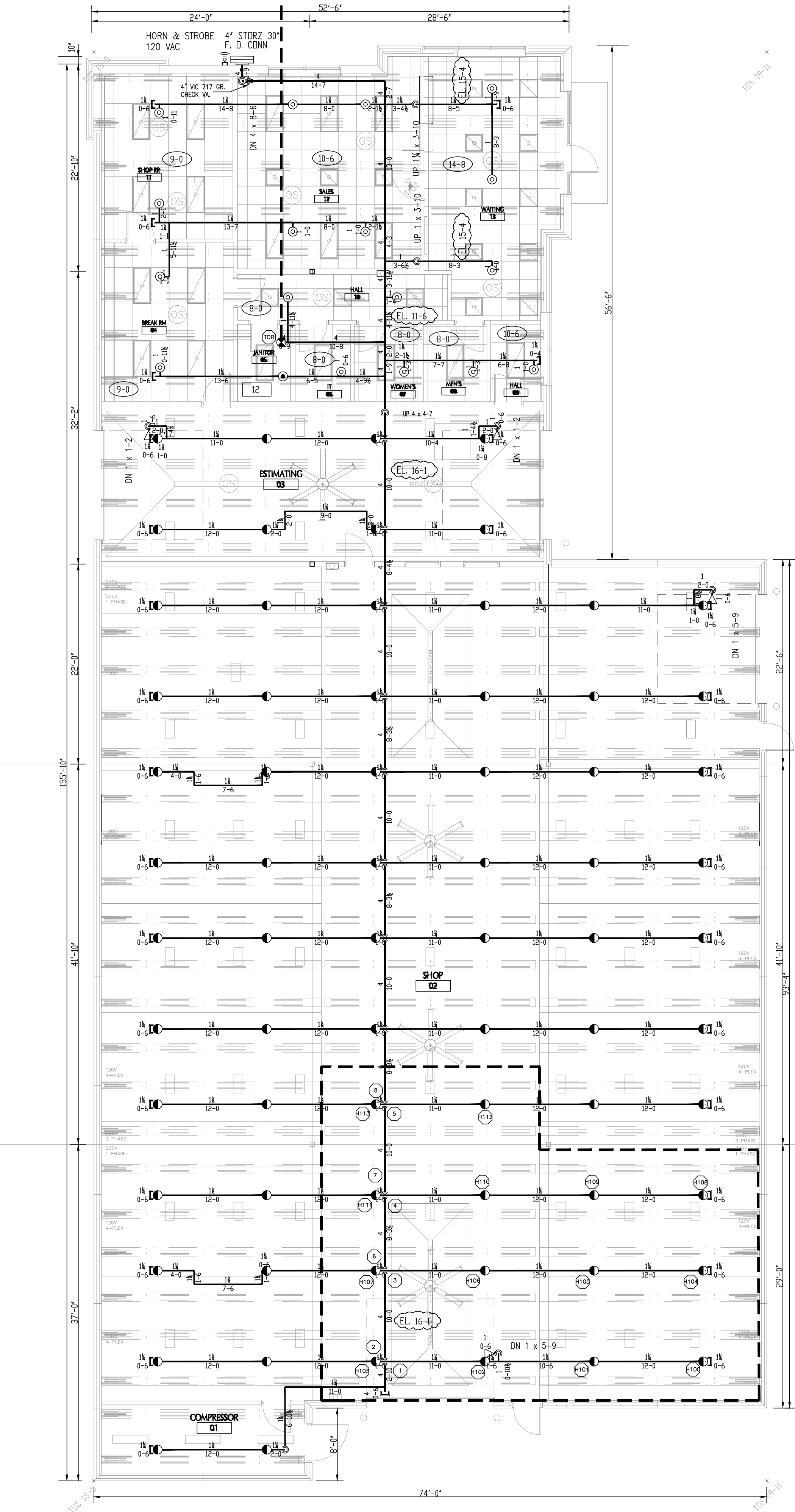
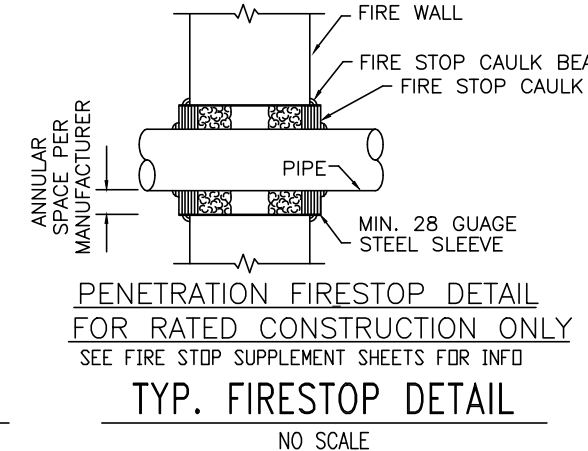
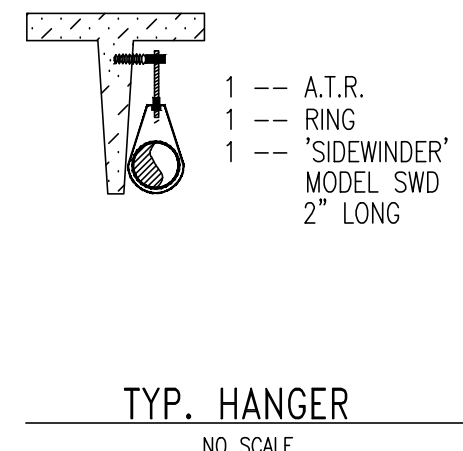
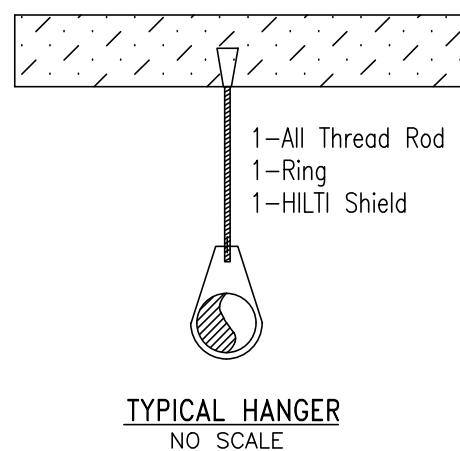


FLOW TEST
STATIC: 68 PSI
RESIDUAL: 50 PSI
FLOW: 1725 GPM
DATE: 10-10-2023
DATE LOCATION: SE OLDHAM PKWY
FROM LEE'S SUMMIT WATER UTILITIES
ELEVATION SAME AS FIN. FLR.



AREA #1		
AREA CALCULATED	SHOP	
BASIS OF DESIGN	DENSITY	AREA
	0.20 gpm/sqft	1545 sqft
NUMBER OF SPRINKLERS IN CALCULATED AREA		14
SYSTEM DEMAND	SPRINKLER FLOW	PRESSURE
	645.669 gpm	58.579 psi
DEMAND LOCATION	HOSE ALLOW.	
CITY CONNECTION	250 gpm	

1
FP1
FLOOR PLAN VIEW
1/8" = 1'-0"
FINISHED FLOOR EL. 0'-0"



THREAD	MAKE	S.I.N.	MODEL	KF	TEMP.	SYMBOL	QUANT.
1/2"	VIKING	VK302	"MICROFAST" OR CHROME PENDENT	5.6	155'	⊙	17
1/2"	VIKING	VK302	"MICROFAST" OR BRASS PENDENT	5.6	200'	⊙	70
1/2"	VIKING	VK305	"MICROFAST" OR BRASS HSW	5.6	200'	⊙	04
1/2"	VIKING	VK300	"MICROFAST" OR BRASS UPRIGHT	5.6	200'	⊙	01
				TOTAL			
				92			

GENERAL NOTES

THIS SPRINKLER INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NFPA STANDARDS, LOCAL JURISDICTION STANDARDS AND/OR INSURANCE REQUIREMENTS.

THE DESIGNER SHALL NOT BE LIABLE FOR THE USE OF ANY UNLISTED MATERIALS AND/OR ANY ALTERATIONS MADE TO THIS DESIGN PRIOR TO OR DURING INSTALLATION.

ALL HANGERS ARE TO BE SPACED IN ACCORDANCE TO NFPA 13 AND COMPRISED OF APPROVED MATERIALS SPECIFICALLY LISTED FOR FIRE SPRINKLER USE.

THESE SHOP DRAWINGS ARE BASED ON THE OWNER'S ACCEPTANCE OF NFPA 25 AS THE OWNER'S STANDARD FOR THE INSPECTION, TESTING AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS.

OWNER TO PROVIDE ADEQUATE HEAT THROUGHOUT THE ENTIRE BUILDING TO PREVENT ALL SPRINKLER PIPING FROM FREEZING.

OWNER TO PROVIDE ADEQUATELY HEATED ROOM TO CONTAIN ALL RISER MATERIAL AND VALVES.

REMOTE MONITORING OF SPRINKLER SYSTEM TO BE BY OTHERS.

ALL ELECTRICAL WIRING TO BE BY OTHERS.

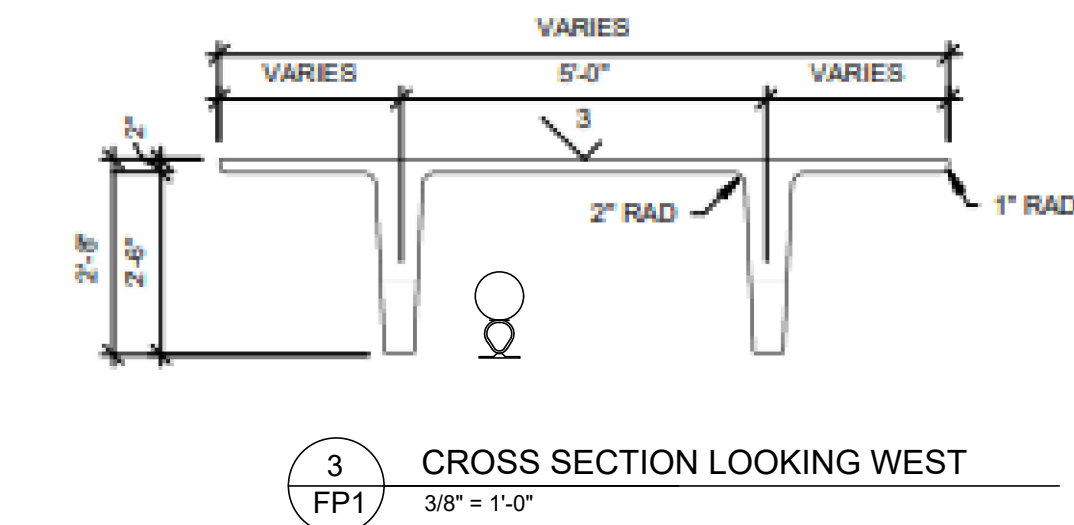
ALL UNDERGROUND WORK TO BE BY OTHERS.

PIPE TYPE

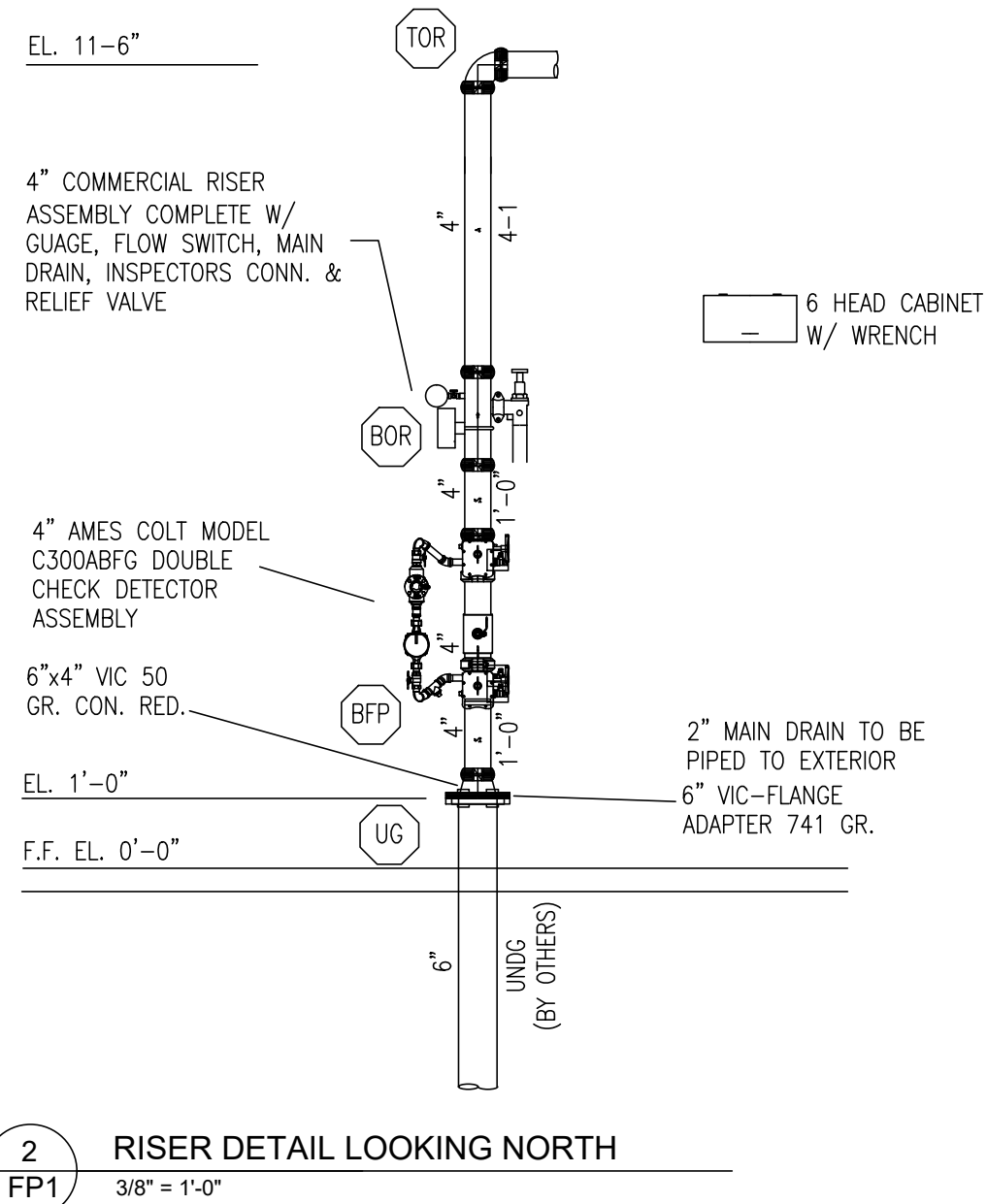
ALL MAINS 2 1/2" & LARGER TO BE GROOVED SCHEDULE 10 PIPE
ALL LINES 2" TO 1 1/2" TO BE GROOVED SCHEDULE 10 PIPE

DESIGN CRITERIA

DESIGN IS IN ACCORDANCE WITH THE DENSITY/AREA HYDRAULIC CALCULATION METHOD OF NFPA 13 (2016 ED.) SECTION 11.2.3.2 FOR ORDINARY HAZARD GROUP II OCCUPANCY. THE DESIGN DENSITY IS 0.20 gpm/sqft, AND THE AREA OF SPRINKLER OPERATION IS 1546 sqft. TOTAL ALLOWANCE FOR HOSES IS 250 gpm IN ACCORDANCE WITH TABLE 11.2.3.1.2.



3
FP1
CROSS SECTION LOOKING WEST
3/8" = 1'-0"



2
FP1
RISER DETAIL LOOKING NORTH
3/8" = 1'-0"



FIRE PROTECTION PIPING PLAN

PROPOSED BUILDING FOR:
CRASH CHAMPIONS

ADDRESS 451 SE OLDHAM PARKWAY
LEE'S SUMMIT, MO.

DRAWN BY
R.V.

SCALE
1/8" = 1'-0"

DATE
10-19-2023

SHEET NUMBER

FP1 OF 1

Alpha Fire Protection

P.O. Box 50
Independence, MO 64051
(816) 257-2260 ph
(816) 257-9912 fax

CONTRACT NUMBER

PROPOSED BUILDING FOR:
CRASH CHAMPIONS

ADDRESS 451 SE OLDHAM PARKWAY
LEE'S SUMMIT, MO.

DRAWN BY
R.V.

SCALE
1/8" = 1'-0"

DATE
10-19-2023

SHEET NUMBER

FP1 OF 1

