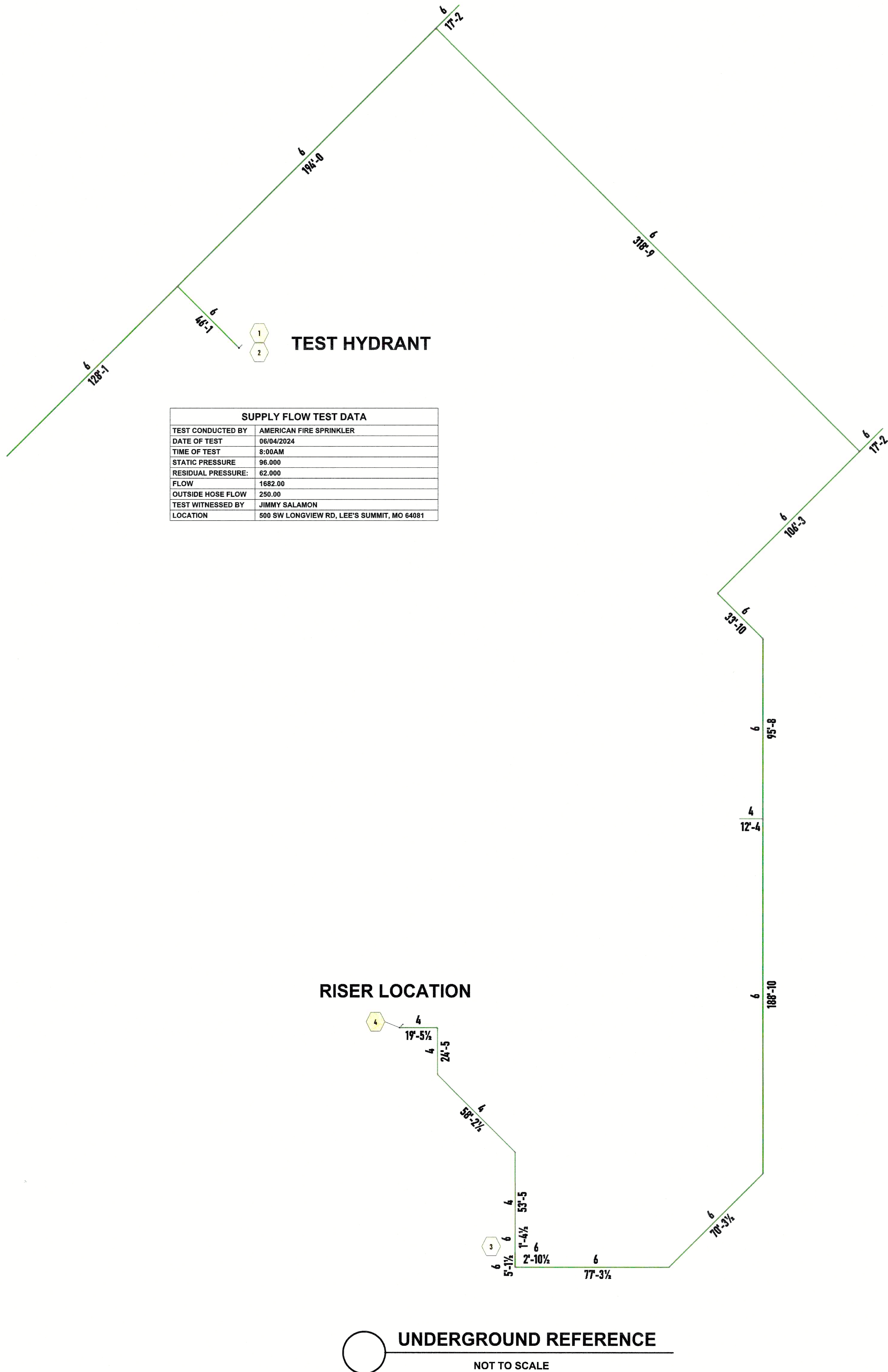


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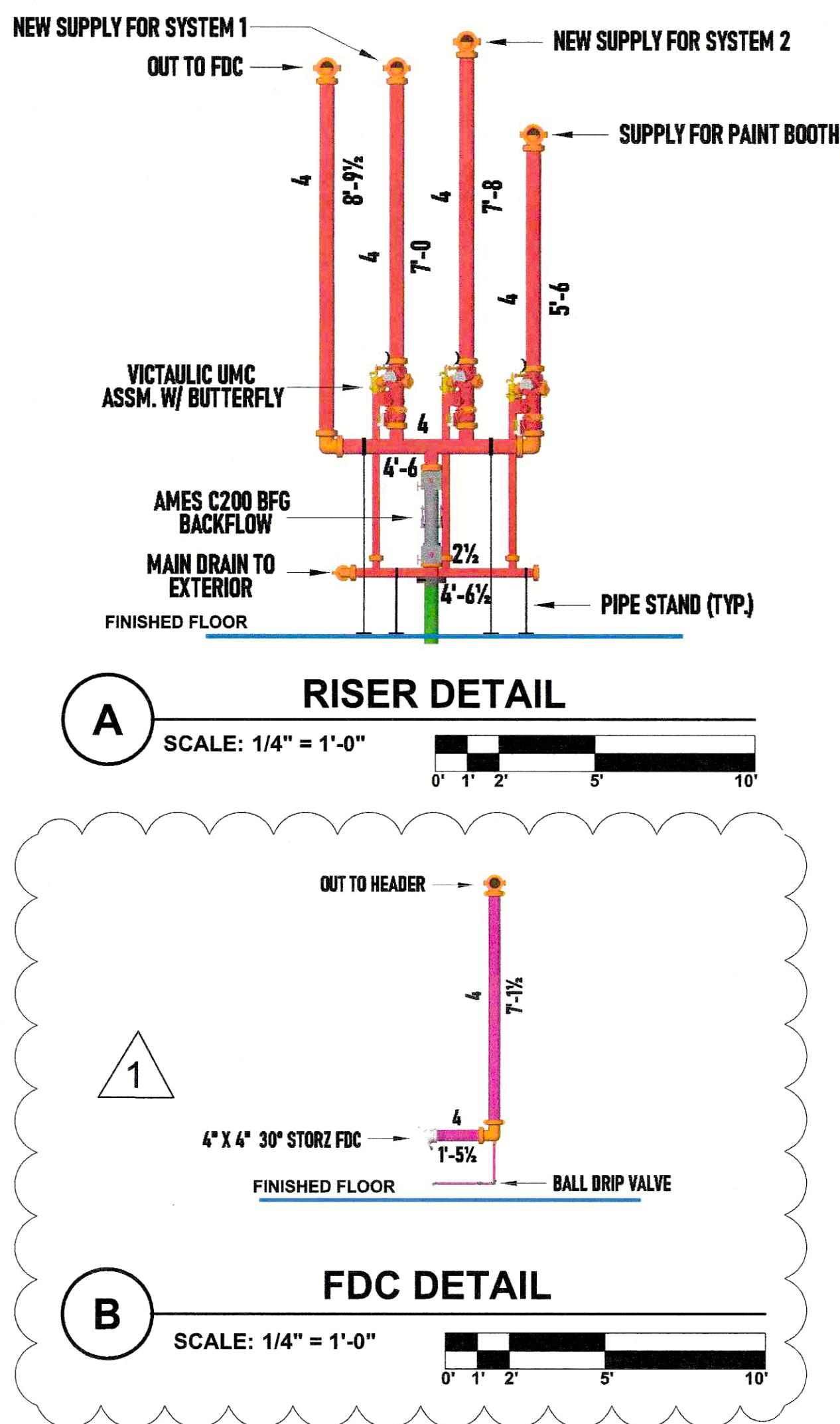
METROPOLITAN COMMUNITY COLLEGE - LONGVIEW

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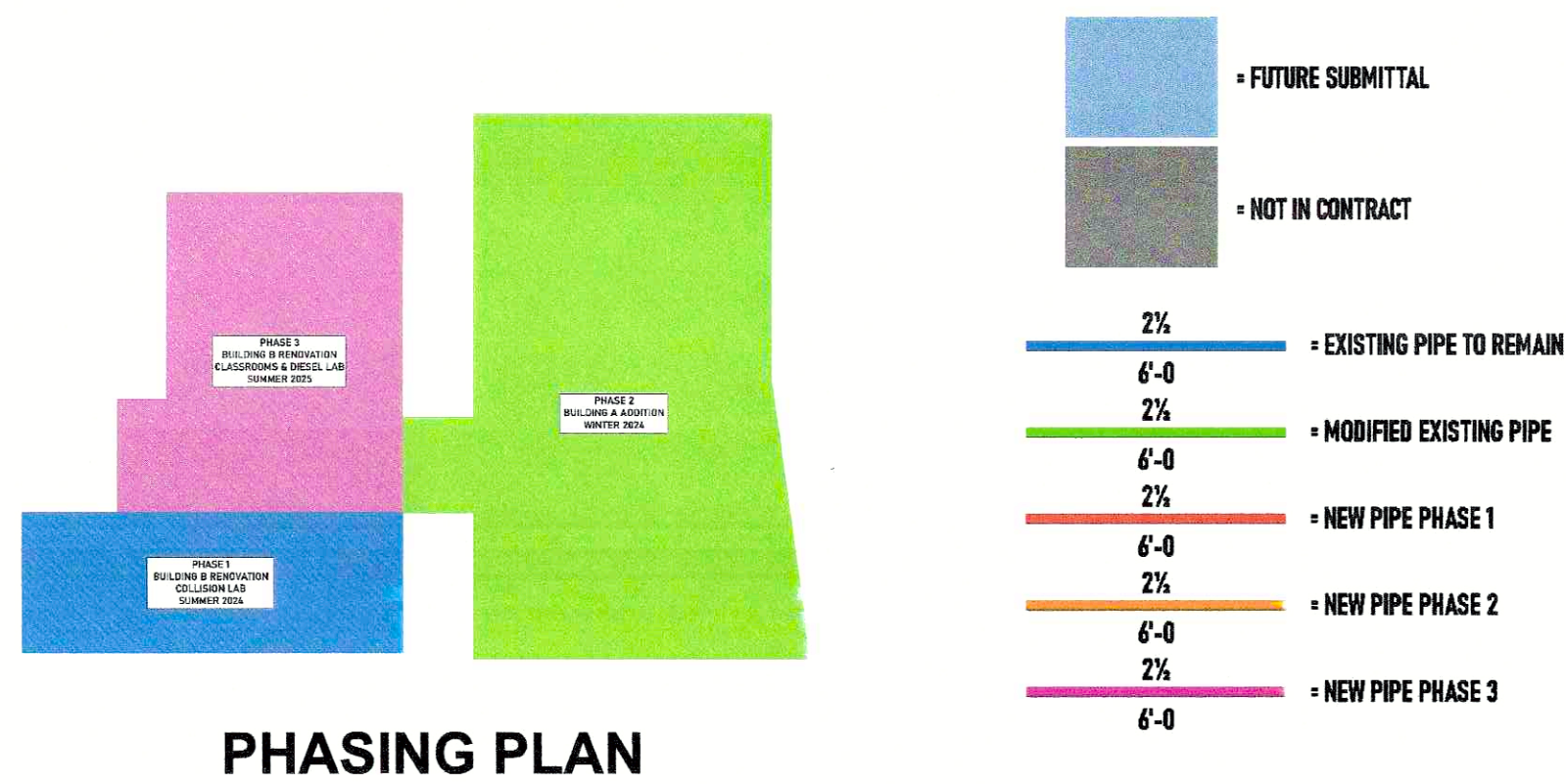
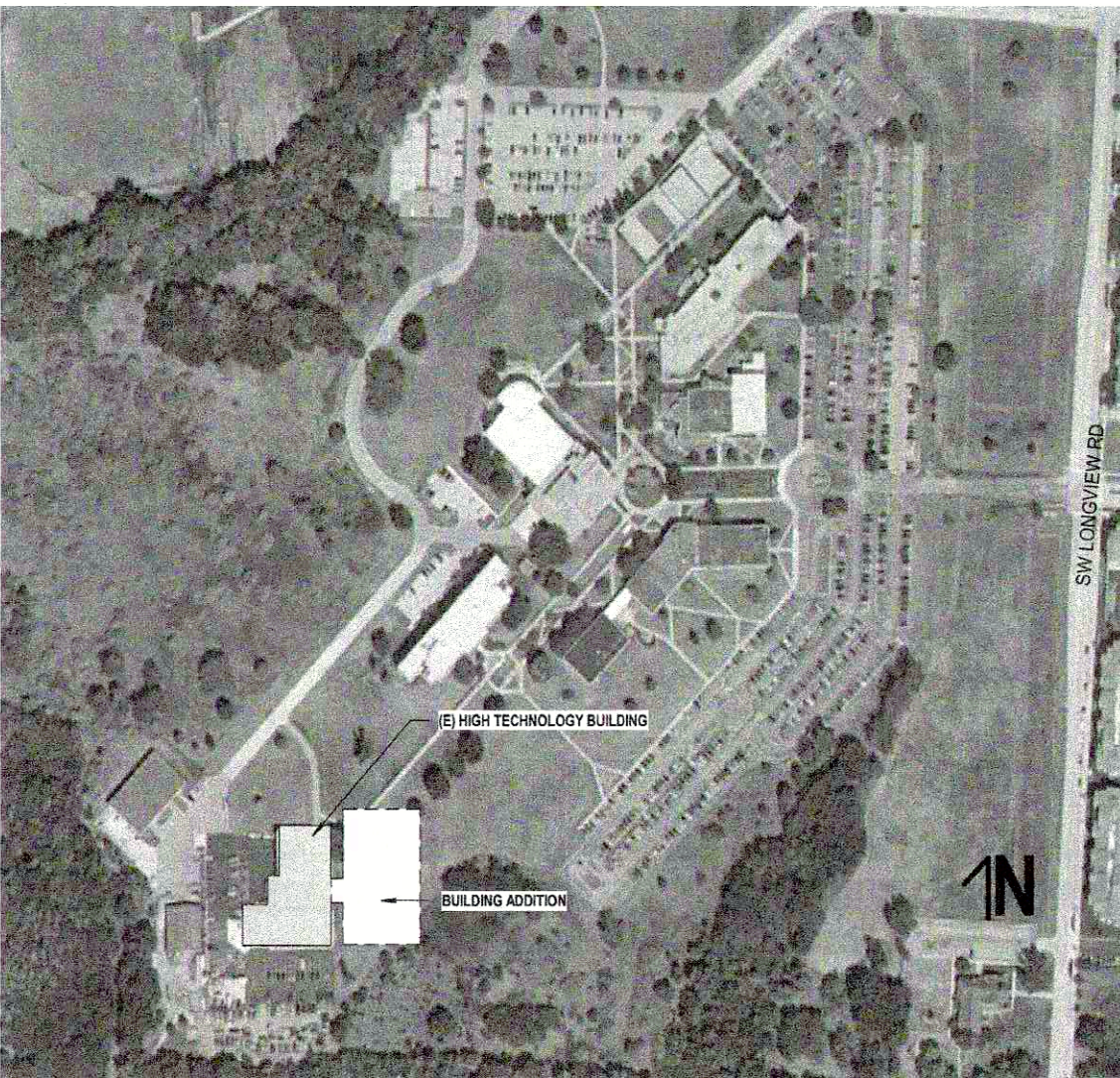
METROPOLITAN COMMUNITY COLLEGE - LONGVIEW



1. THE SYSTEMS SHALL CONFORM WITH THE REQUIREMENTS OF NFPA 13, 2016.
2. ALL THREADED PIPING / PIPING 2" & SMALLER SHALL BE SCHEDULE 40, BLACK STEEL. ALL GROOVED PIPING 2 1/2" AND LARGER SHALL BE SCHEDULE 10, BLACK STEEL.
3. FITTINGS FOR 1" THRU 1 1/2" SHALL BE DUTILE IRON THREADED OR ARE TO BE GROOVED WITH STANDARD TAKE-OUTS OR WELDED OUTLETS AS INDICATED ON THE DRAWING. FITTINGS FOR 2" AND LARGER ARE TO BE GROOVED WITH FIRELOCK TAKE-OUTS OR WELDED OUTLETS AS INDICATED ON THE DRAWING. ALL WELDS ARE TO BE SHOP WELDED.
4. PIPE LENGTHS ON DRAWING ARE SHOWN AS CUT LENGTH DIMENSIONS.
5. ALL SECTIONS OF TRAPPED PIPING SHALL HAVE AUXILIARY DRAINS WHERE REQUIRED, PER NFPA 13.
6. ALL HANGERS ARE TO BE IN CONFORMANCE WITH NFPA 13.
7. PENETRATIONS THRU FIRE WALLS SHALL BE FIRE CAULKED AS REQUIRED.
8. THE OWNER SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE HEAT TO PREVENT THE WATER IN THE PIPING FROM FREEZING.
9. AMERICAN FIRE SPRINKLER CORP. IS NOT CONTRACTED TO PROVIDE THE ALARM WIRING OR THE CENTRAL STATION ALARM SYSTEM.



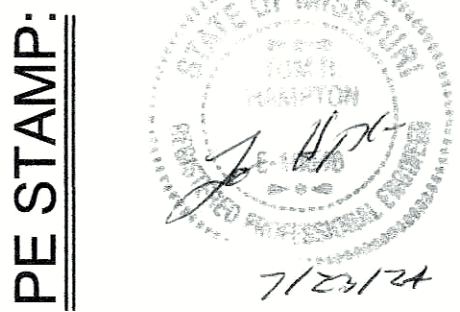
MAXIMUM DISTANCE BETWEEN HANGERS											
NOMINAL PIPE SIZE (IN.)	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	5"	6"
STEEL PIPE EXCEPT THREADED LIGHTWALL	N/A	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0



REVISIONS		DATE
1	REVIS	7/23/24

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AMERICAN
FIRE SPRINKLER

OFFICE: 6750 W. 47TH TERR. MISSION, KS 66203
MAIL: P.O. BOX 993 MISSION, KS 66201-0993
FIRE PROTECTION SYSTEMS - CONSULTANTS - DESIGN
FABRICATION - SALES - SERVICE

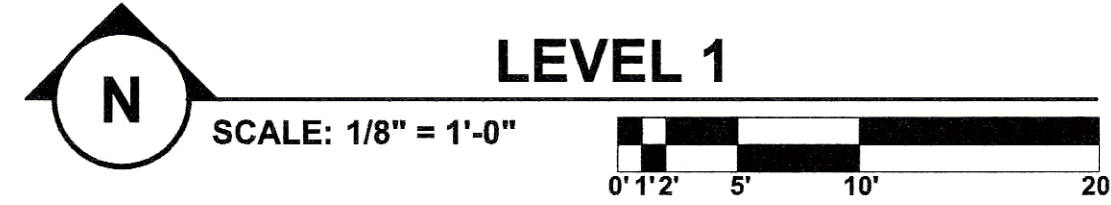
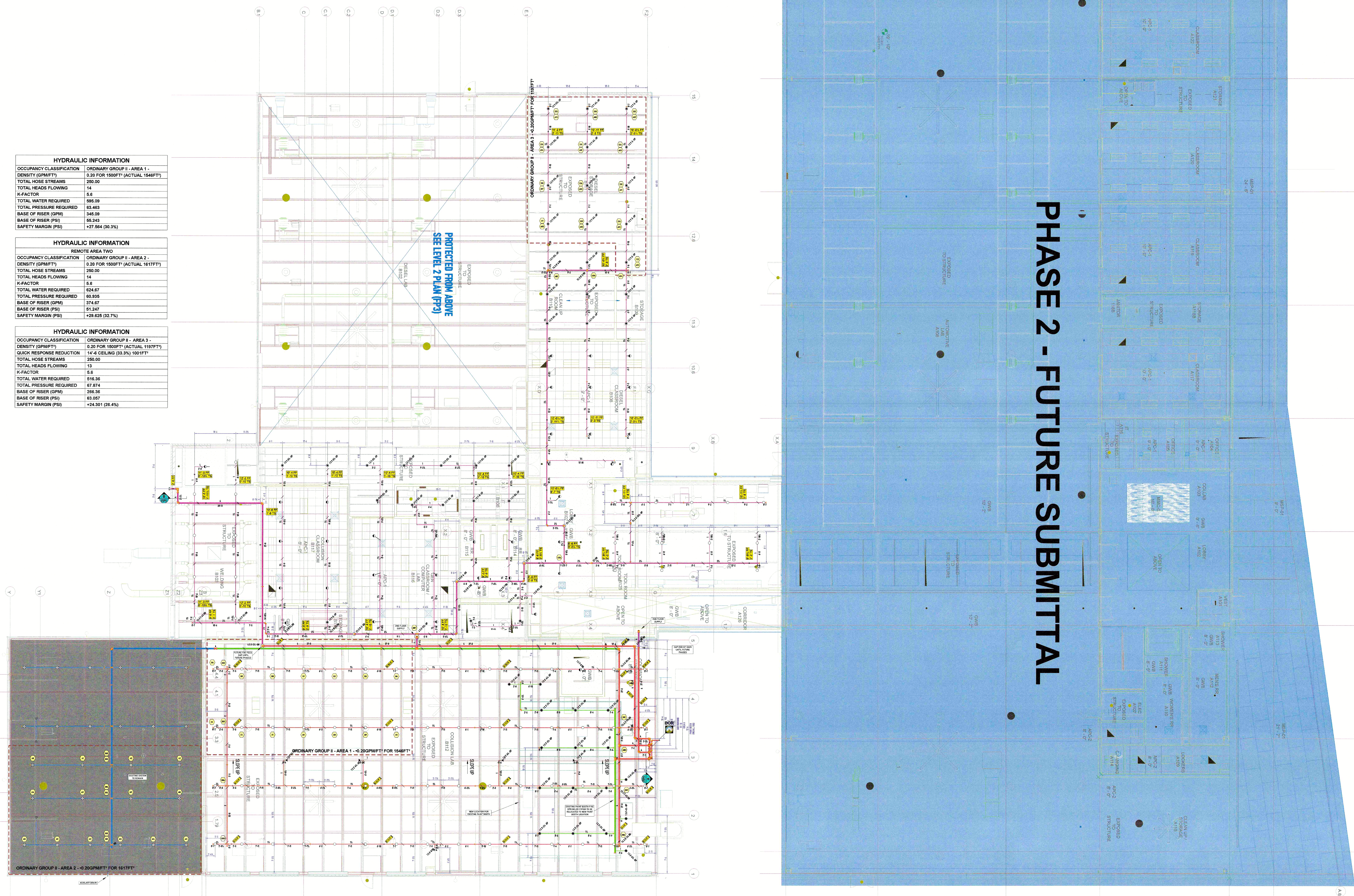
PAY ITEM: SPR
REVIEWING AUTHORITY: OWNER / CITY
HEADS THIS SHEET: N/A
DRAWN BY: ALEC MOBLEY
DATE: 06-28-2024
REVISION DATE: 07-23-2024
SCALE: AS SHOWN
CONTRACT #: 4352CK
DWG #: FP01

[illegible]

HYDRAULIC INFORMATION	
OCCUPANCY CLASSIFICATION	ORDINARY GROUP II - AREA 1 -
DENSITY (GPM/FT ³)	0.20 FOR 1500FT ³ (ACTUAL 1548FT ³)
TOTAL HOSE STREAMS	250.00
TOTAL HEADS FLOWING	14
K-FACTOR	5.6
TOTAL WATER REQUIRED	595.09
TOTAL PRESSURE REQUIRED	63.463
BASE OF RISER (GPM)	345.09
BASE OF RISER (PSI)	55.243
SAFETY MARGIN (PSI)	+27.564 (30.3%)

HYDRAULIC INFORMATION	
REMOTE AREA TWO	
OCCUPANCY CLASSIFICATION	CARBURY GROUP II - AREA 2
DENSITY (GPM/FT ³)	0.20 FOR 1500FT ³ (ACTUAL 1617FT ³)
TOTAL HOSE STREAMS	250.00
TOTAL HOLES FLOWING	14
K-FACTOR	5.6
TOTAL WATER REQUIRED	624.67
TOTAL PRESSURE REQUIRED	60.935
BASE OF RISER (GPM)	374.67
BASE OF RISER (PSI)	51.247
SAFETY MARGIN (PSI)	+28.625 (32.7%)

HYDRAULIC INFORMATION	
OCCUPANCY CLASSIFICATION	ORDINARY GROUP # - AREA 3 -
DENSITY (GPM/FT ²)	0.05 FOR 1500FT ² (ACTUAL 1197FT ²)
QUICK RESPONSE REDUCTION	14" & CEILING (33.3%) 1001FT ²
TOTAL HOSE STREAMS	250.00
TOTAL HEADS FLOWING 13	13
K-FACTOR	5.6
TOTAL WATER REQUIRED	516.36
TOTAL PRESSURE REQUIRED	67.874
BASE OF RISER (GPM)	266.36
BASE OF RISER (PSI)	63.067
SAFETY MARGIN (PSI)	+24.301 (28.4%)

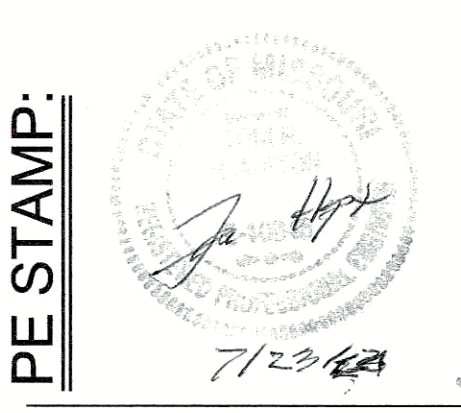


SYMBOLS		REVISIONS	
SYMBOL	DESCRIPTION	BETA	DATE
	HYDRAULIC REFERENCE POINTS		
	ELEV ABOVE FINISHED FLOOR		
	ELEV OF TOP OF STEEL		
	CEILING HEIGHT		
	DENOTES HANGER LOCATION		
	RISE UP OR DOWN		

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PE STAMP: _____



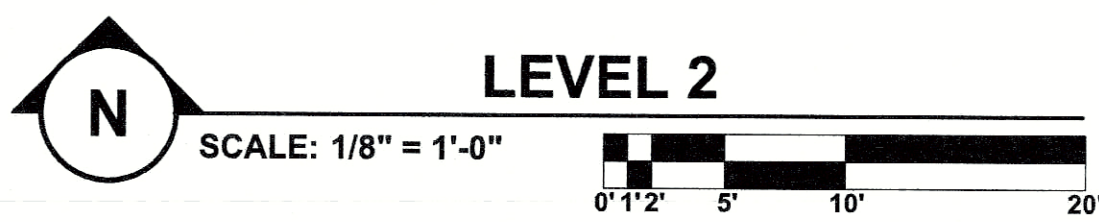
AMERICAN
FIRE SPRINKLER
6750 W. 47TH TERR. MISSION, KS. 66203
P.O. BOX 958 MISSION, KS 66201-0958
913-722-8900
PROTECTION SYSTEMS - CONSULTANTS - DESIGN
FABRICATION - SALES - SERVICE

PAY ITEM:	SPR
REVIEWING AUTHORITY :	
OWNER / CITY	
HEADS THIS SHEET:	203
HEADS THIS JOB:	TBD
DRAWN BY:	ALEC MOBLEY
DATE :	06-28-2024
REVISION DATE :	*****
SCALE:	AS SHOWN
CONTRACT #	4352CK
DWG #:	

FP02

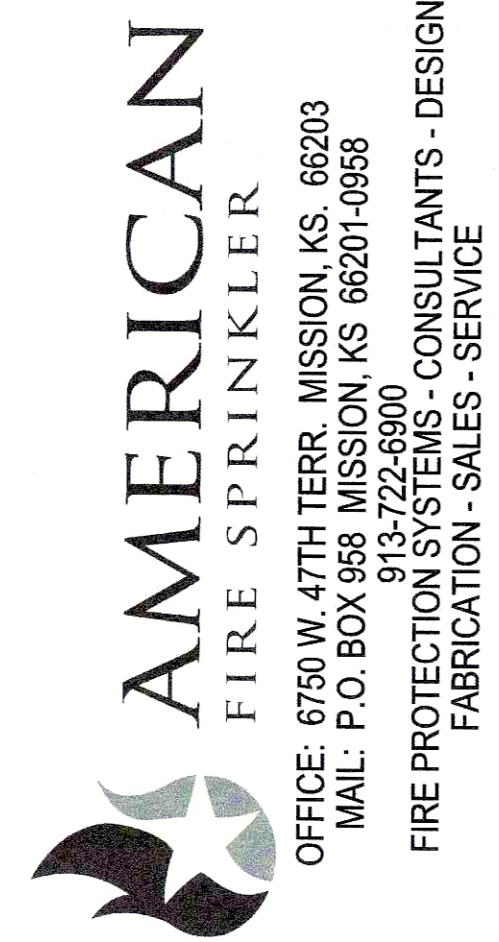
HYDRAULIC INFORMATION	
OCCUPANCY CLASSIFICATION	ORDINARY GROUP II - AREA 4 -
DENSITY (GPWFT)	0.20 FOR 1500FT ² (ACTUAL 1517FT ²)
TOTAL HOSE STREAMS	250.00
TOTAL HEADS FLOWING	14
K-FACTOR	5.6
TOTAL WATER REQUIRED	575.51
TOTAL PRESSURE REQUIRED	72.573
BASE OF RISER (GPM)	325.51
BASE OF RISER (PSI)	65.269
SAFETY MARGIN (PSI)	+18.752 (20.5%)

SPRINKLER LEGEND - LEVEL 2									
SYMBOL	QUANTITY	MANUFACTURER	SIN	K-FACTOR	TYPE	SIZE	FINISH	TEMPERATURE	NOTE
○	57	VIKING	W3091	5.6	UPRIGHT	1/2"	BRASS	200°F	
●	28	VIKING	W3421	5.6	CONCEALED PENDENT	1/2"	BRASS	200°F	
TOTAL - 85									



PHASE 2 - FUTURE SUBMITTAL

PE STAMP:



PAY ITEM: SPR
REVIEWING AUTHORITY: OWNER / CITY
HEADS THIS SHEET: 87
HEADS THIS JOB: TBD
DRAWN BY: ALEC MOBLEY
DATE: 06-28-2024
REVISION DATE: ---
SCALE: AS SHOWN
CONTRACT #: 4382CK
DWG #:

FP3
3 OF 3

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REVISIONS

DELTA

SYMBOLS

DESCRIPTION

HYDRAULIC REFERENCE POINTS

ELEV. BELOW TOP OF STEEL

ELEV. ABOVE FINISHED FLOOR

ELEV. ABOVE FINISHED FLOOR

ELEV. ABOVE FINISHED FLOOR

CEILING HEIGHT

DEVOTES: HANGER LOCATION

RISE UP OR DOWN