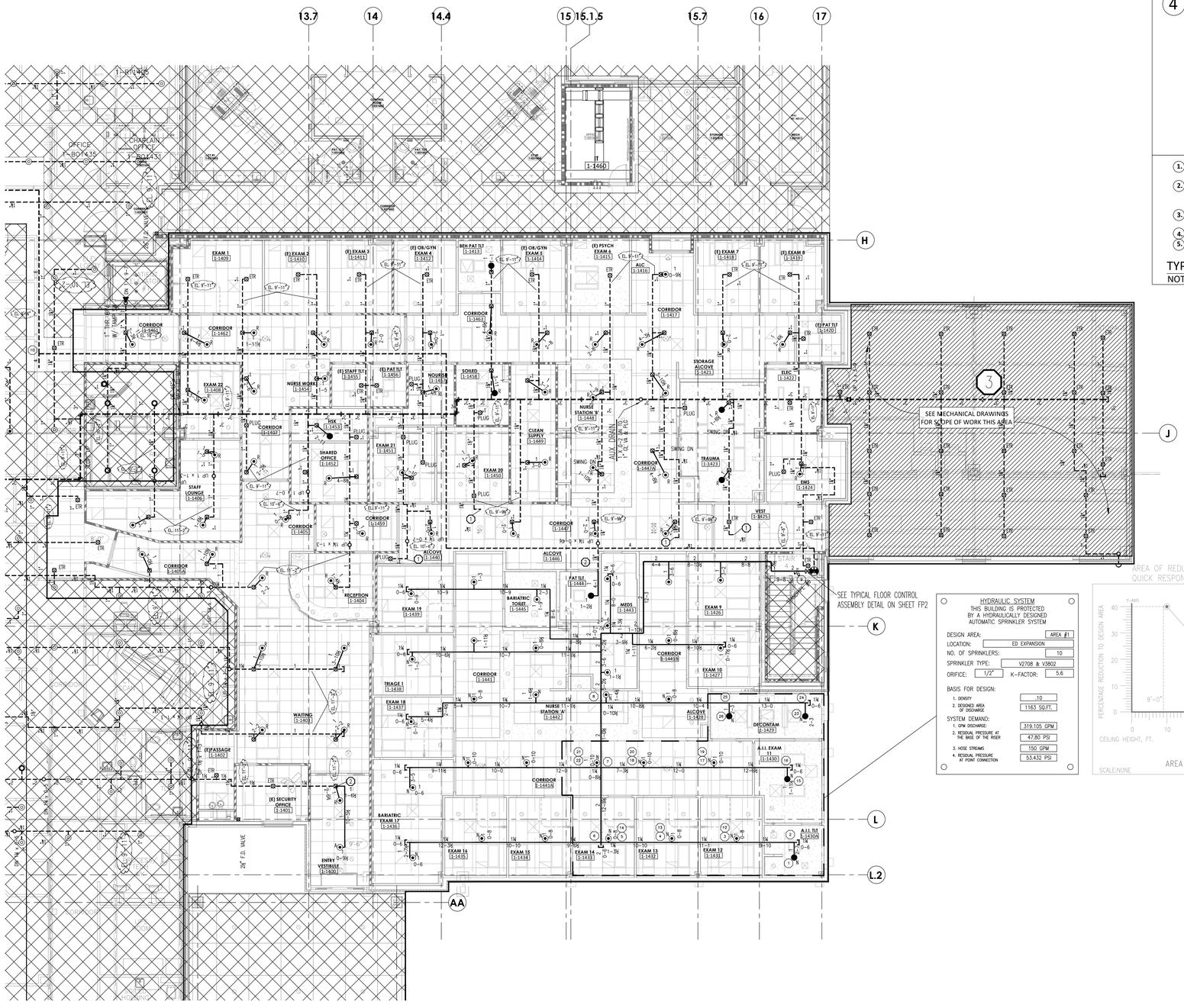
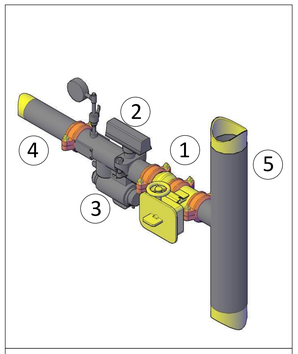


1ST FIRST FLOOR PARTIAL PLAN

NORTH

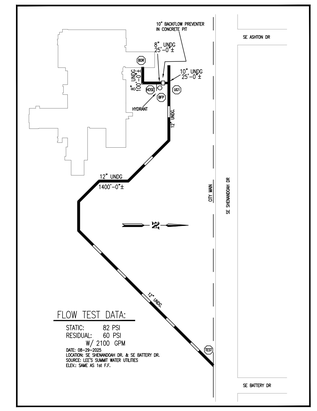
SCALE 1/8"=1'-0"



1. 2" VICTAULIC 705W BUTTERFLY VALVE WITH TAMPER ***WIRING BY OTHERS
2. 2" RISER MANIFOLD WITH PRESSURE GAUGE, FLOW SWITCH AND TEST DRAIN WITH PRESSURE RELIEF VALVE.*** WIRING BY OTHERS
3. PIPE TEST AND DRAIN TO GANG DRAIN. PIPE GANG DRAIN TO EXTERIOR GALV WALL PLATE AND 45 ELL
4. 2" TO SUPPLY SPRINKLER SYSTEM
5. 4" STANDPIPE FROM SYSTEM UNDERGROUND

TYPICAL FLOOR CONTROL ASSEMBLY

NOT TO SCALE



UNDERGROUND PLAN

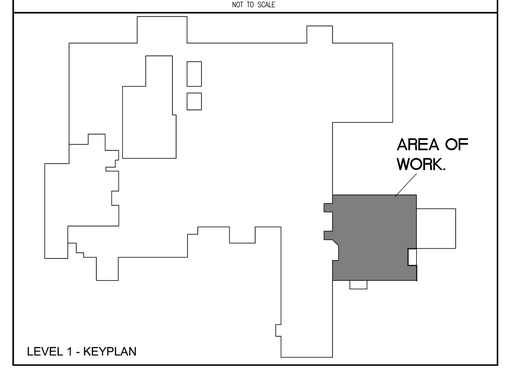
NOT TO SCALE

VICINITY MAP

NOT TO SCALE

KEY PLAN

NOT TO SCALE



LEVEL 1 - KEYPLAN

HYDRAULIC SYSTEM

THIS BUILDING IS PROTECTED BY A HYDRAULICALLY DESIGNED AUTOMATIC SPRINKLER SYSTEM

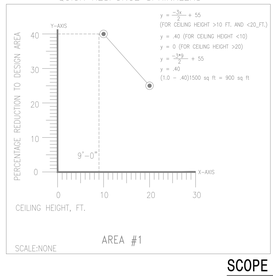
DESIGN AREA:	AREA #1
LOCATION:	ED EXPANSION
NO. OF SPRINKLERS:	10
SPRINKLER TYPE:	V2708 & V3802
ORIFICE: 1/2"	K-FACTOR: 5.6

BASIS FOR DESIGN:

1. DENSITY	.10
2. DESIGNED AREA OF DISCHARGE	1163 SQ.FT.

SYSTEM DEMAND:

1. GPM DISCHARGE:	319.105 GPM
2. RESIDUAL PRESSURE AT THE BASE OF THE RISER	47.80 PSI
3. HOSE STREAMS	150 GPM
4. RESIDUAL PRESSURE AT POINT CONNECTION	53.432 PSI



SEE SHEET FP1 FOR GENERAL NOTES

SCOPE OF WORK:

- PROJECT IS TO BE PHASED WITH 3 TOTAL PHASES
- J.F.S. WILL CUT AND CAP THE OLD VESTIBULE FOR DEMO. (DEMO AND REMOVAL BY OTHERS)
- J.F.S. WILL PROVIDE TEMPORARY FIRE SPRINKLER PROTECTION WITHIN EACH PHASE BY TURNING THE EXISTING FIRE SPRINKLER HEADS TO UPRIGHTS DURING CONSTRUCTION.
- J.F.S. WILL MODIFY SPRINKLER HEADS IN NEW TENANT IMPROVEMENT AREA FOR EACH PHASE PER DRAWING AE181 (WHERE NEW WALLS AND CEILINGS ARE BEING INSTALLED ONLY).
- WITHIN PHASE 1, J.F.S. WILL TIE INTO EXISTING 4" SPRINKLER MAIN AND EXTEND SYSTEM INTO NEW ADDITION AND INSTALL A NEW SPRINKLER SYSTEM.

INSTALLATION NOTES:

1. REMOVE BRANCHLINE TO THIS FITTING AND PLUG THE FITTING. THIS WILL ALLOW FOR A MORE IDENTIFIABLE AREA OF SYSTEM SEPARATION FOR SERVICING OF THE SYSTEM.
2. REMOVE BRANCHLINE TO THIS FITTING AND USE THE REMAINING FITTING TO CONNECT NEW PIPE FOR RELOCATION OF SPRINKLER. THIS WILL ALLOW FOR A MORE IDENTIFIABLE AREA OF SYSTEM SEPARATION.
3. SPRINKLERS TO BE ADDED FOR ALL NEW DUCTWORK OVER 48" THAT REQUIRE SPRINKLER PROTECTION BENEATH THEM.

PLAN NOTES:

1. ALL CEILING HEIGHTS TO BE 9'-0" UNLESS NOTED OTHERWISE. ALL ALL SOFFITS TO BE 8'-0" UNLESS NOTED OTHERWISE.
2. SPRINKLERS WILL BE CENTERED IN CEILING TILES WHERE POSSIBLE YET NEVER ANY CLOSER THAN 6 INCHES FROM THE EDGE OF CEILING GRID.
3. ALL GROOVED PIPING IS TO BE SCH. 10 PIPE, ASTM A-795 WITH ROLLED GROOVED ENDS. FITTINGS ARE TO BE IRON GROOVED OR WELDED STEEL OUTLETS.
4. ALL THREADED PIPING IS TO BE "SCHEDULE 40" PIPE, WITH THREADED DUCTILE IRON FITTINGS.

NOTE:

THE DRAWING INDICATES A "SCHEMATIC LAYOUT" OF THE SPRINKLER HEADS AND SHOWS THE INTENT OF THE DESIGN. EXACT LOCATIONS SHALL BE COORDINATED WITH OTHER TRADES, FIELD VERIFIED, AND INSTALLED TO MEET NFPA 13 COVERAGE REQUIREMENTS FOR THE SPACE.

SPRINKLERS ARE PERMITTED TO BE RELOCATED AND RE-INSTALLED WHEN THE SPRINKLER BEING REMOVED FROM THE SYSTEM REMAINS ATTACHED TO THE ORIGINAL FITTING OR WELDED OUTLET, PROVIDED CARE HAS BEEN TAKEN TO ENSURE THE SPRINKLER HAS NOT BEEN DAMAGED. PER NFPA 13, WHEN A SPRINKLER HAS BEEN REMOVED FROM A FITTING OR WELDED OUTLET, IT SHALL NOT BE RE-INSTALLED. PROVIDE NEW SPRINKLERS AS REQUIRED.

HANGER SPACING TABLE

NOMINAL PIPE SIZE	¾"	1"	1¼"	1½"	2"	2½"	3"	3½"	4"
STEEL PIPE EXCEPT THREADED LIGHTWALL	N/A	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0

SPRINKLER RELOCATION LEGEND

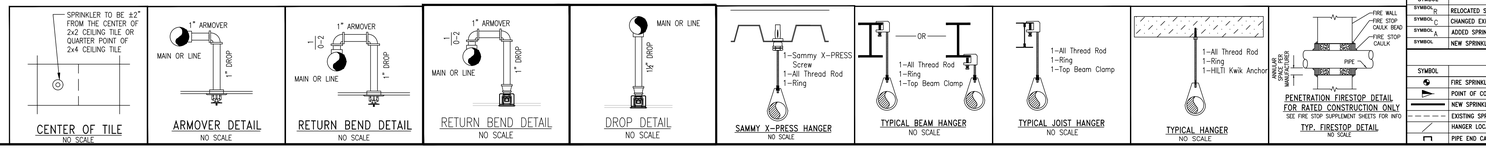
SYMBOL	DESCRIPTION
SYMBOL R	RELOCATED SPRINKLER FROM EXISTING OUTLET
SYMBOL C	CHANGED EXISTING SPRINKLER FROM S.R. TO Q.R.
SYMBOL A	ADDED SPRINKLER FROM EXISTING SPRINKLER SYSTEM
SYMBOL	NEW SPRINKLER BEING INSTALLED FROM NEW SYSTEM

LEGEND

SYMBOL	DESCRIPTION
	FIRE SPRINKLER STANDPIPE
	POINT OF CONNECTION
	NEW SPRINKLER LINE
	EXISTING SPRINKLER LINE
	HANGER LOCATION
	PIPE END CAP

SPRINKLER LEGEND

SYMBOL	SPRINKLER TYPE	SIN #	FINISH	TEMP.	ORIFICE	K-FACTOR	COUNT
	VICTAULIC Q.R. SEMI-RECESSED PENDENT	V2708	CHROME	155°	1/2"	5.6 K	76
	VICTAULIC Q.R. CONCEALED PENDENT	V3802	WHITE	155°	1/2"	5.6 K	10
	VICTAULIC Q.R. UPRIGHT (TO BE USED FOR TEMP. PROTECTION)	V2708	CHROME	155°	1/2"	5.6 K	00
						TOTAL THIS SHEET	86
						TOTAL THIS JOB	86



REVISIONS:

NO.	DATE	DESCRIPTION

JAYHAWK FIRE SPRINKLER CO., INC.
1200 S. 31st Hedge Lane Terrace
Lee's Summit, Missouri 64082
PHONE: (913) 422-3770
FAX: (816) 524-8025
CONTRACT #EF61

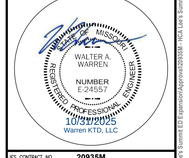
JEDUNN CONSTRUCTION
17 WEST 20TH ST.
KANSAS CITY, MISSOURI 64106

HCA LEES SUMMIT MEDICAL CENTER

EMERGENCY DEPARTMENT EXPANSION

2100 SE BLUE PARKWAY
LEES SUMMIT, MISSOURI 64063

SEAL



JFS CONTRACT NO.	20935M
DRAWN BY: TJA	CHECKED BY: SB
PROJECT MANAGER: CA	
PLOT TYPE: APPROVAL	
ISSUE DATE: 10/29/2025	PLOT DATE: 10/30/2025
DRAWING NUMBER: FP-2	

FIRE PROTECTION PARTIAL FIRST FLOOR SPRINKLER LAYOUT

SHEET: 2 OF 2