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REGISTRATION



BOOKSTORE PSYCHOLOGY
SWING SPACE
FOR CONSTRUCTION

REVISIONS

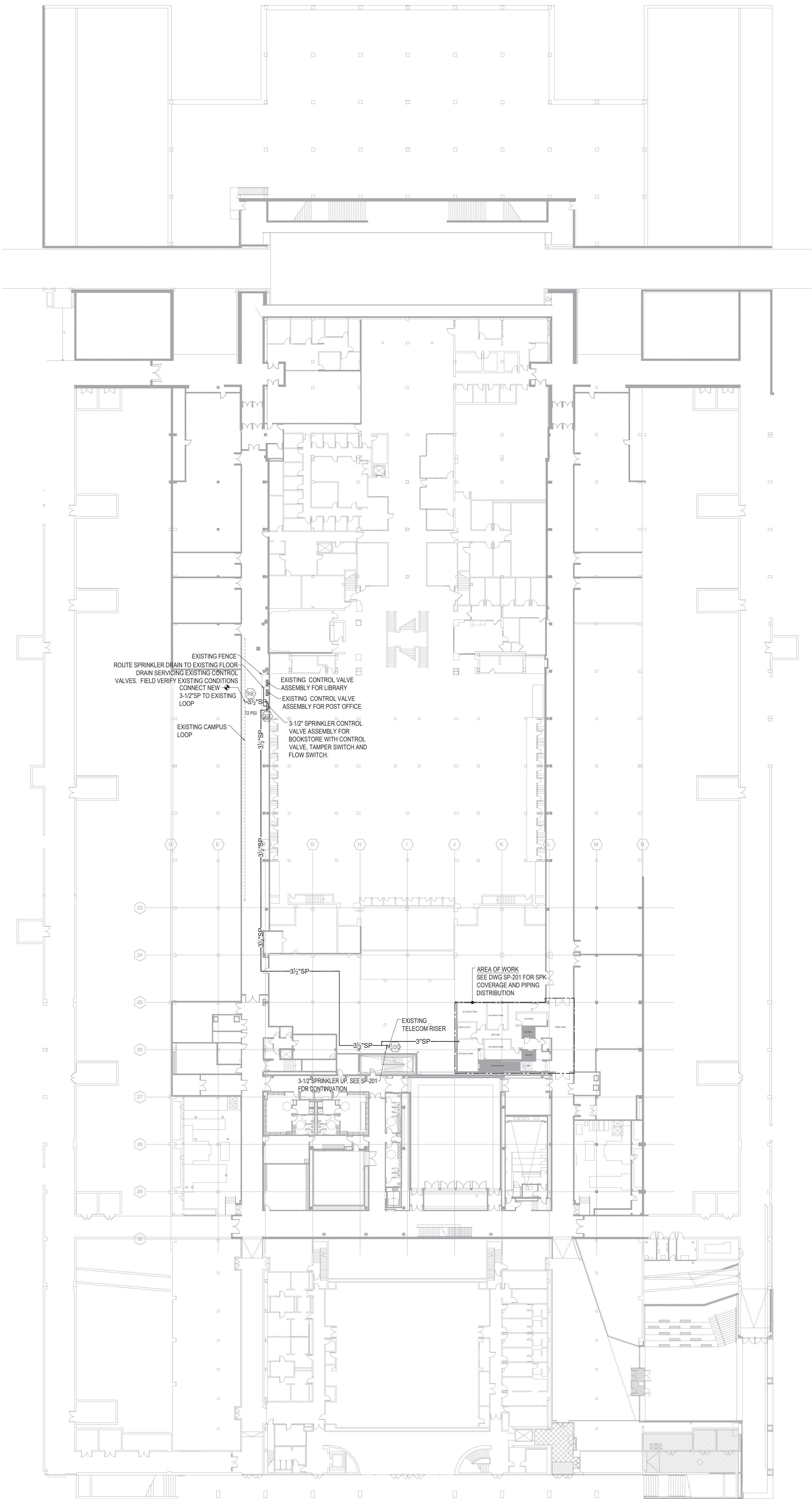
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ISSUE

**SPRINKLER - LOWER
LEVEL PLAN NEW WORK**

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GOODY CLANCY PROJECT NUMBER: 24006	
FILE NAME:	
DRAWN: A.C	DATE: 01/10/2025
CHECKED: A.A	SCALE: 1/32" = 1'-0"
DRAWING NO.:	

SP-200



1 PLUMBING - LOWER LEVEL PLAN NEW WORK
Scale: 1/32" = 1'-0"



TRUE NORTH
MAGNETIC NORTH

BOOKSTORE PSYCHOLOGY
SWING SPACE
FOR CONSTRUCTION

[illegible]

ISSUE

SPRINKLER - UPPER & LOWER LEVEL PART PLANS NEW WORK

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GOODY CLANCY PROJECT NUMBER: 24006	
FILE NAME:	
DRAWN: A.C	DATE: 01/10/2025
CHECKED: A.A	SCALE: 1/8" = 1'-0"
DRAWING NO.:	

SP-201

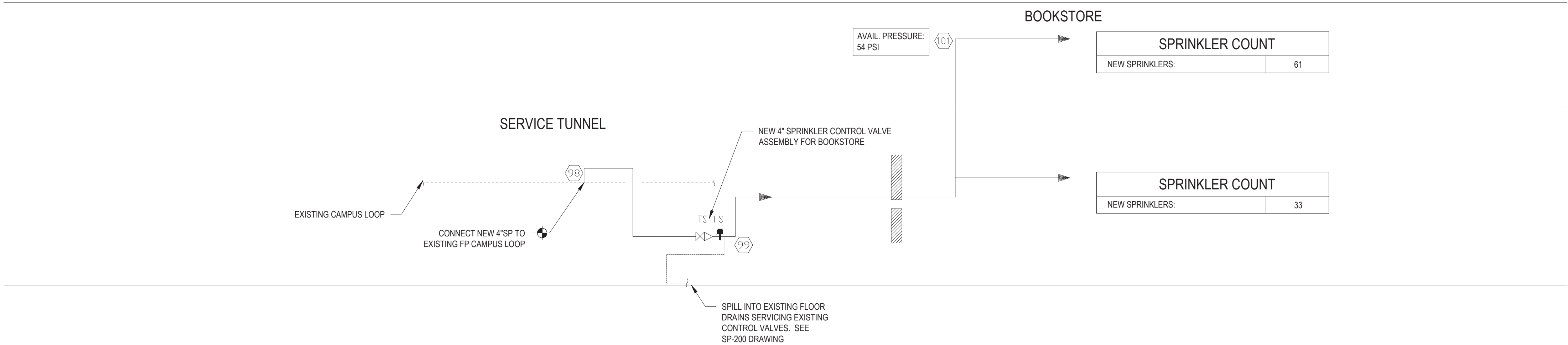


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REGISTRATION



SPRINKLER RISER DIAGRAM
NOT TO SCALE



TRUE NORTH
PLAN NORTH

BOOKSTORE PSYCHOLOGY
SWING SPACE
FOR CONSTRUCTION

[illegible]

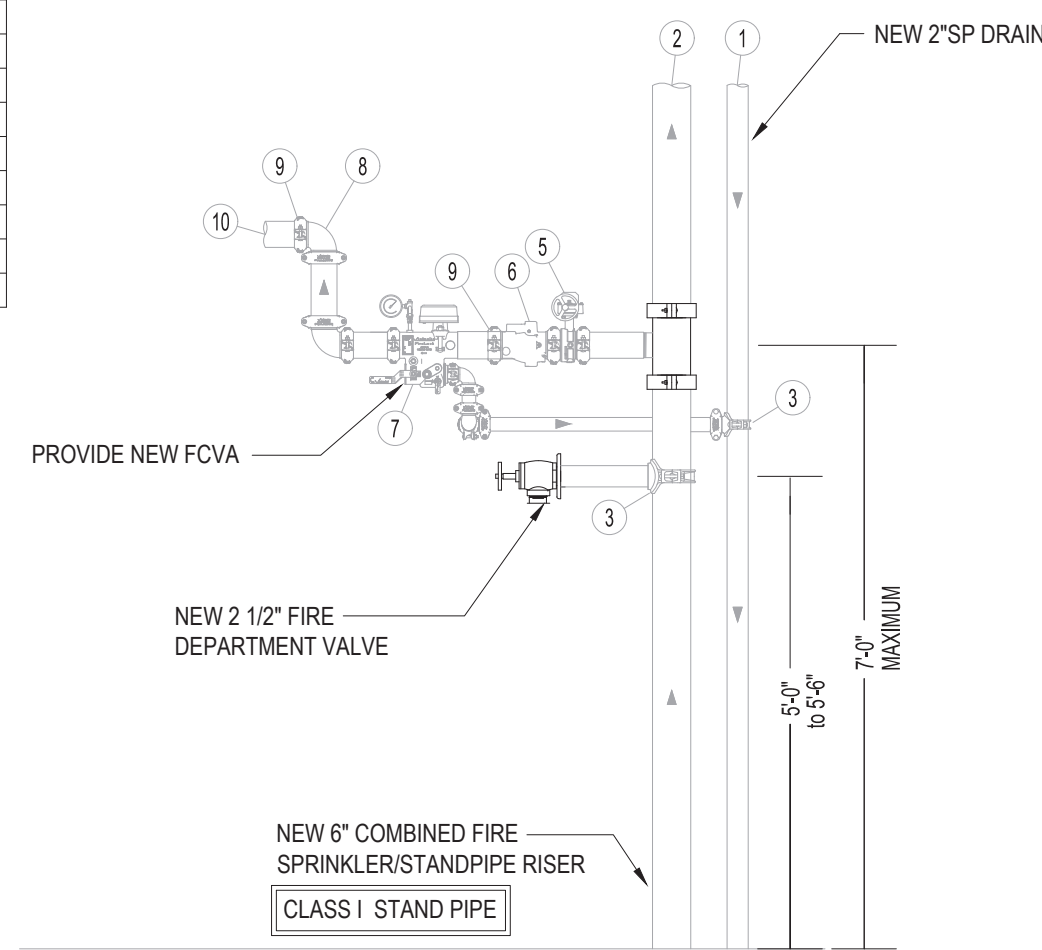
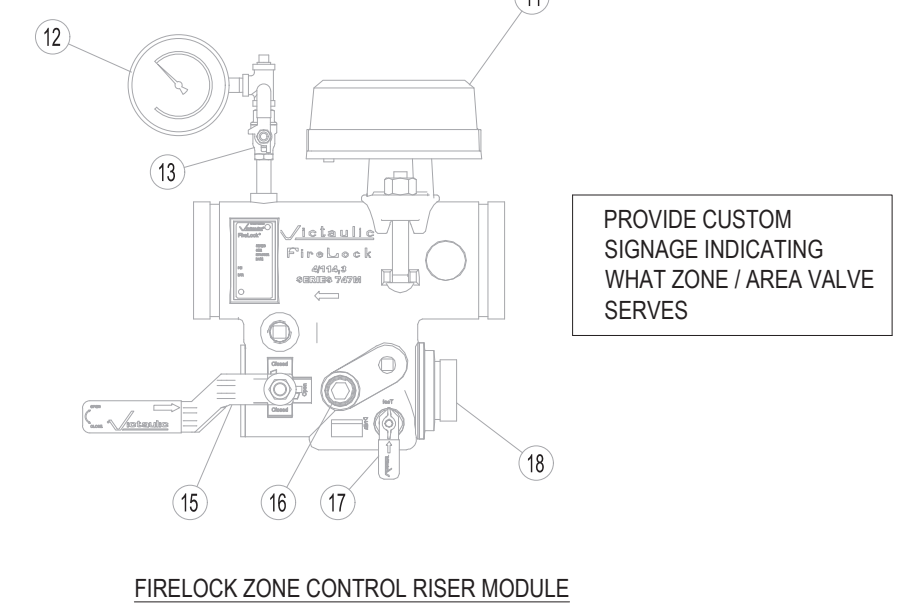
ISSUE

SPRINKLER - RISER DIAGRAM

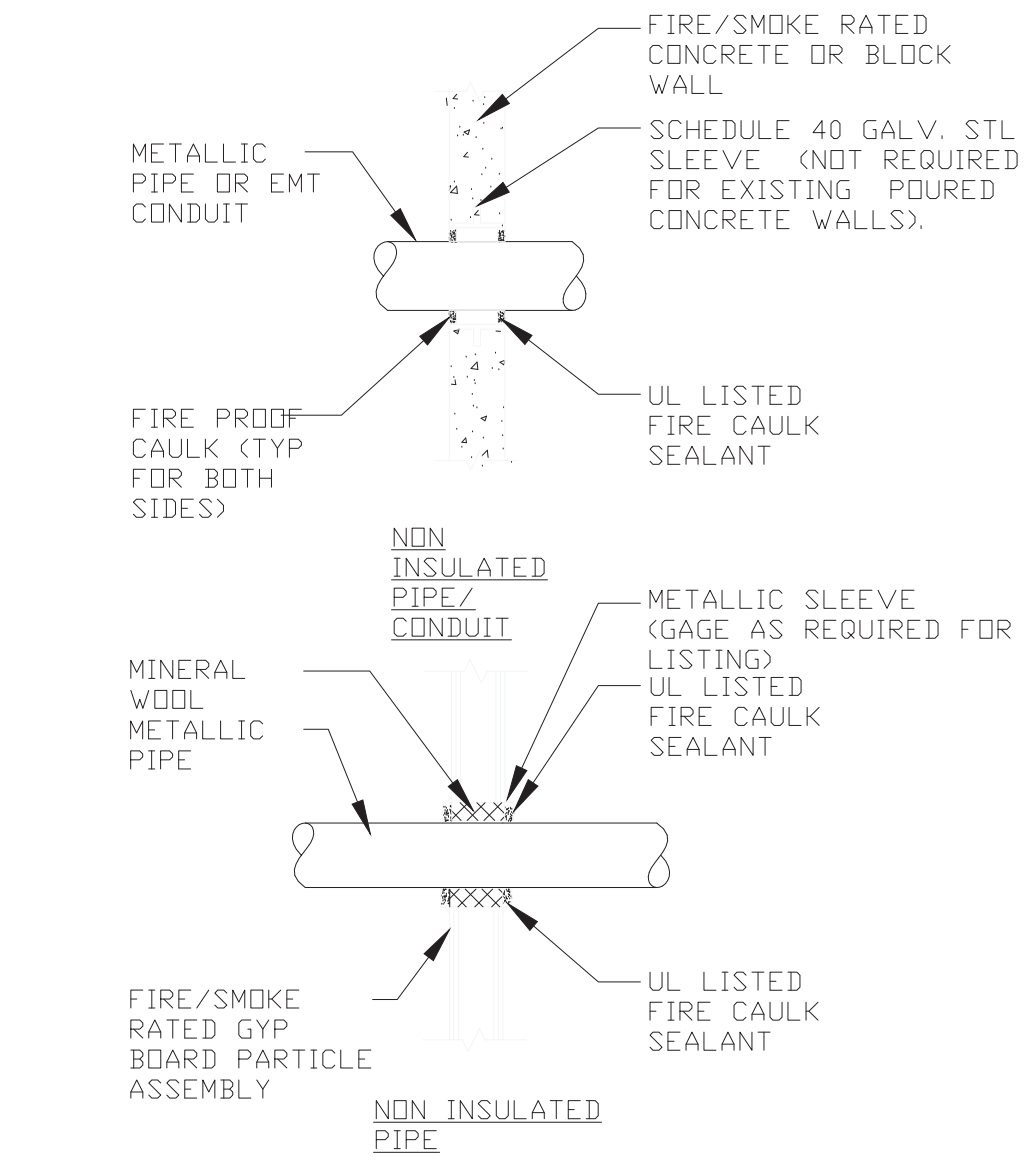
COPYRIGHT ©2024	
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DRAWING NO.:	

SP-300

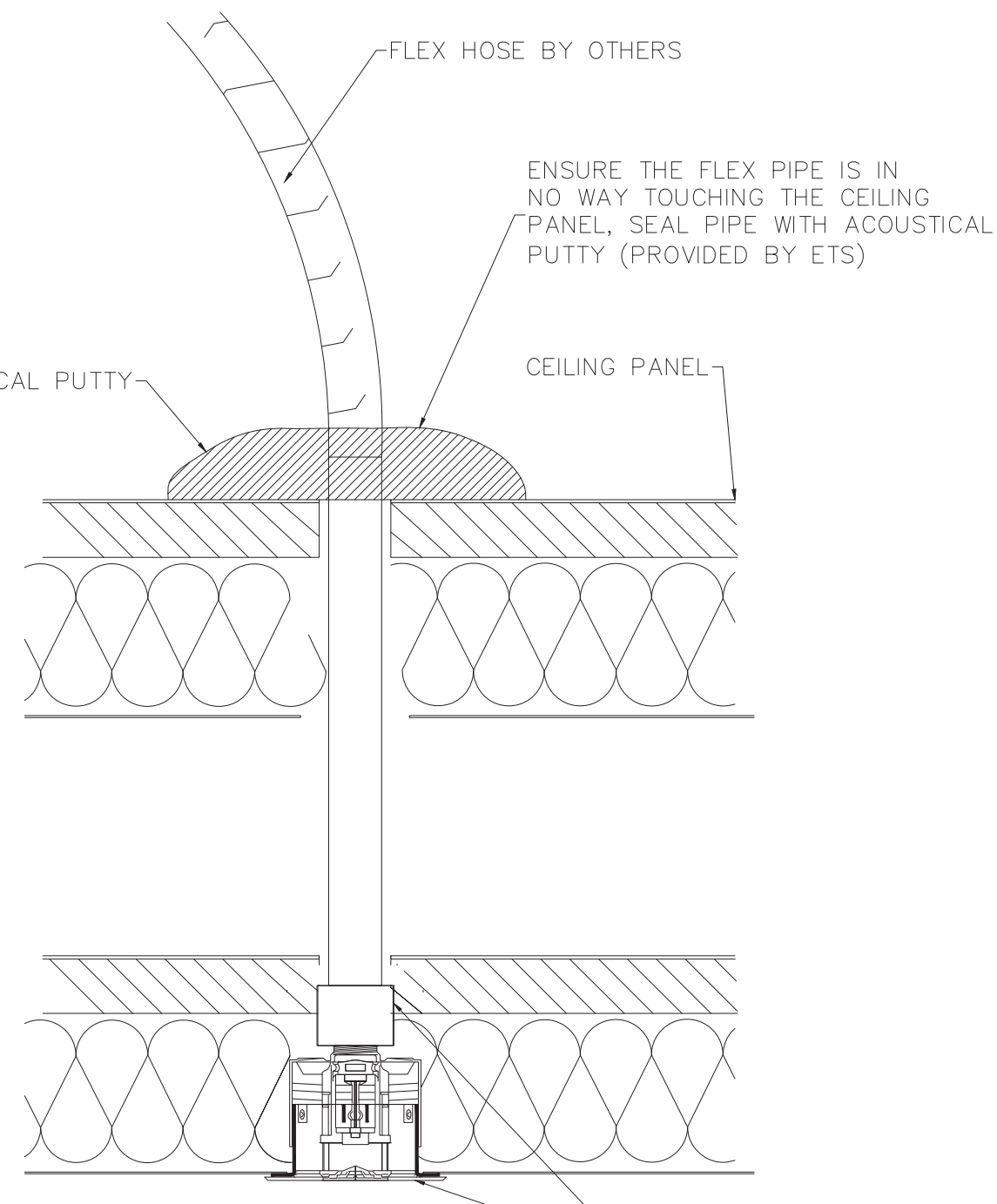
PRODUCT LEGEND	
1	DRAIN RISER
2	6" COMBINED SPRINKLER/STANDPIPE RISER
3	MECHANICAL TEE STYLE 920N
4	NOT USED
5	FIRELOCK BUTTERFLY VALVE SERIES 706W
6	FIRELOCK CHECK VALVE SERIES 717
7	FIRELOCK ZONE CONTROL RISER MODULE SERIES 747M
8	FIRELOCK 90 DEG ELBOW NO. 001
9	FIRELOCK EZ RIGID COUPLING STYLE 009N (OR) RIGID COUPLING STYLE 005
10	TO SPRINKLER SYSTEM
11	UL LISTED FM APPROVED FLOW SWITCH (SYSTEM SENSOR MODEL WFD)
12	PRESSURE GAUGE
13	ISOLATION VALVE FOR GAUGE
14	NOT USED
15	SHUT OFF VALVE (OFFSET HANDLE FOR ACCESS ON BOTH SIDES)
16	SITE GLASS (VISIBLE FROM BOTH SIDES)
17	TEST AND DRAIN VALVE (HANDLE ON BOTH SIDES)
18	GROOVED DRAIN CONNECTION
SEE TAILUC SUBMITTAL NUMBER 10.96	



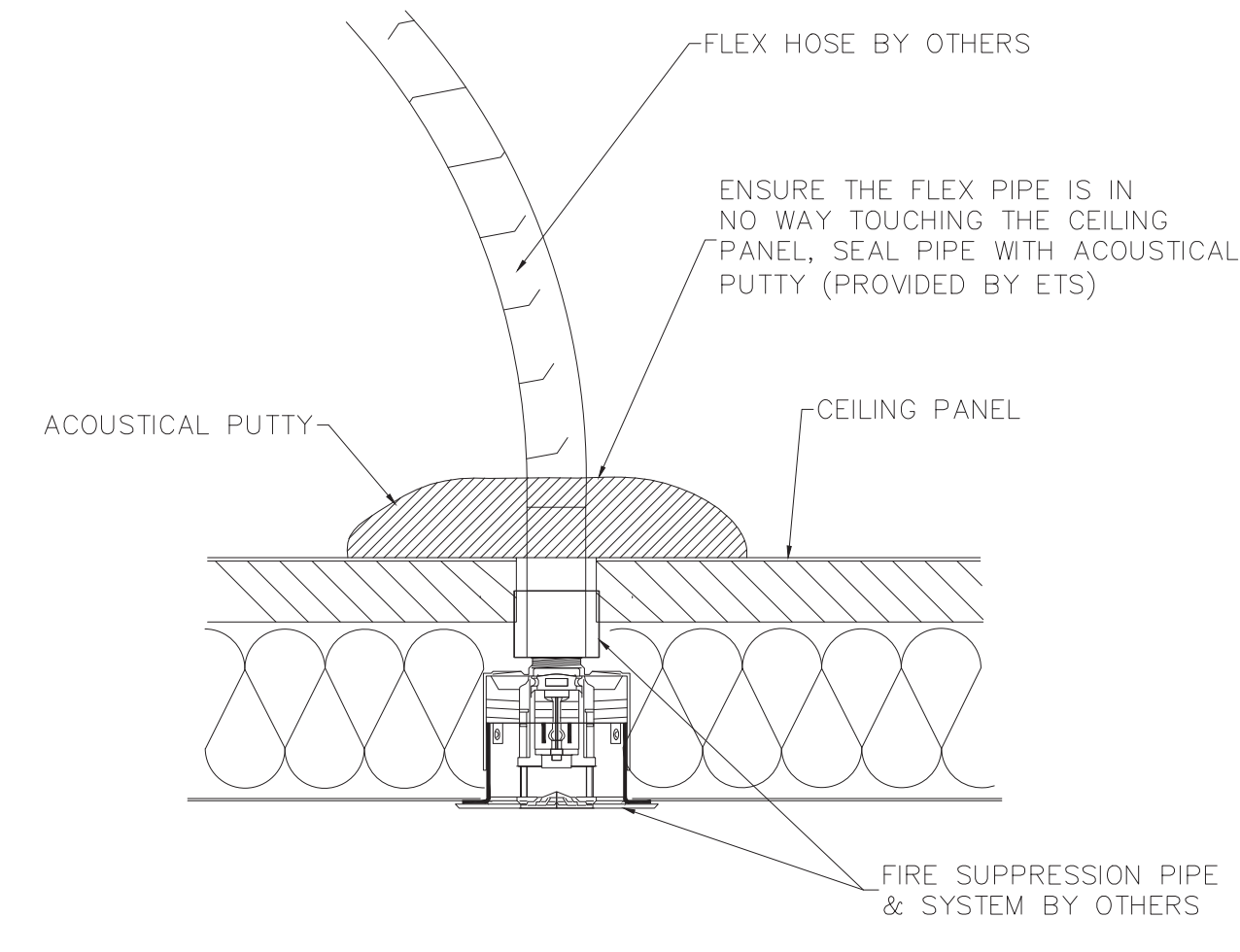
1 NEW TYPICAL FLOOR CONTROL VALVE ASSEMBLY
SP-400 NOT TO SCALE



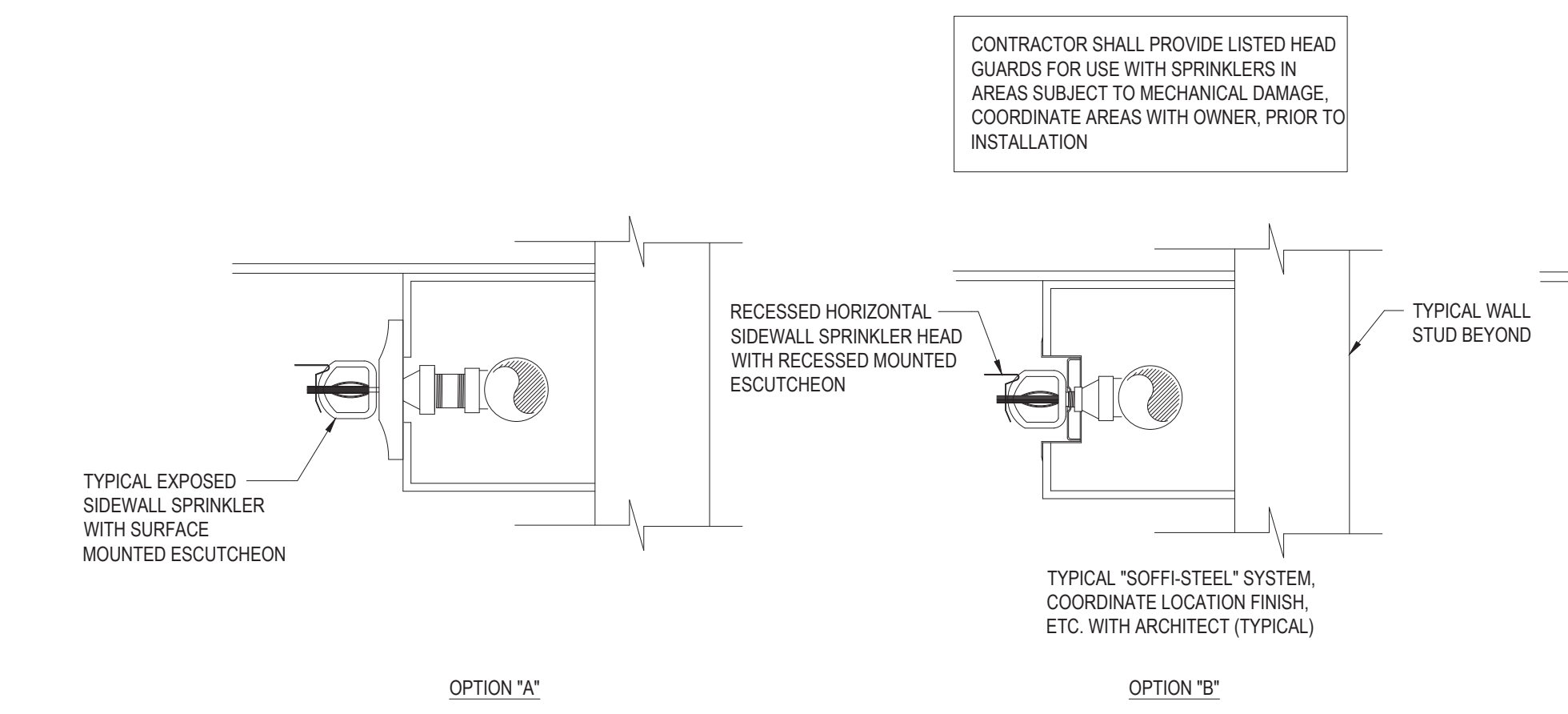
3 PIPE PENETRATION WITH FIRE/SMOKE SEAL
SP-400 NOT TO SCALE



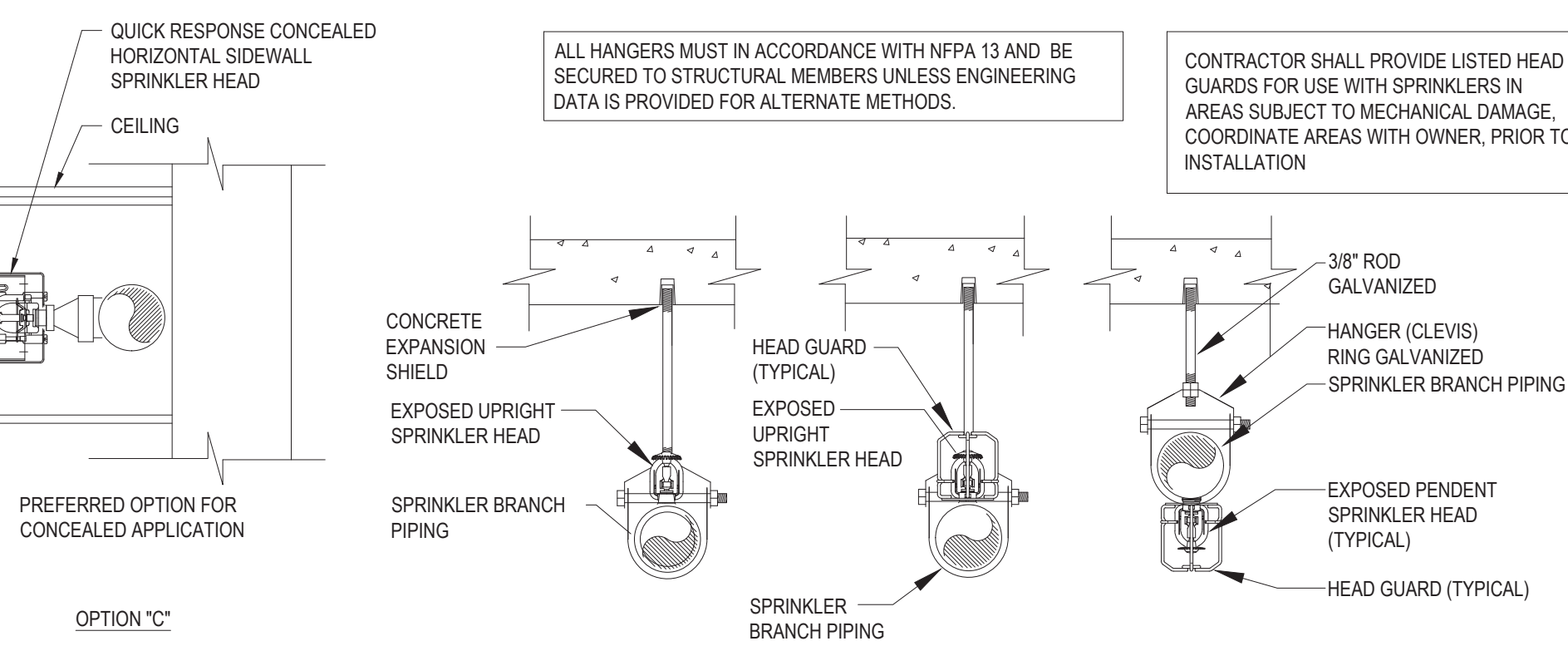
3 DOUBLE CEILING PANEL SPRINKLER DETAIL
SP-400 NOT TO SCALE



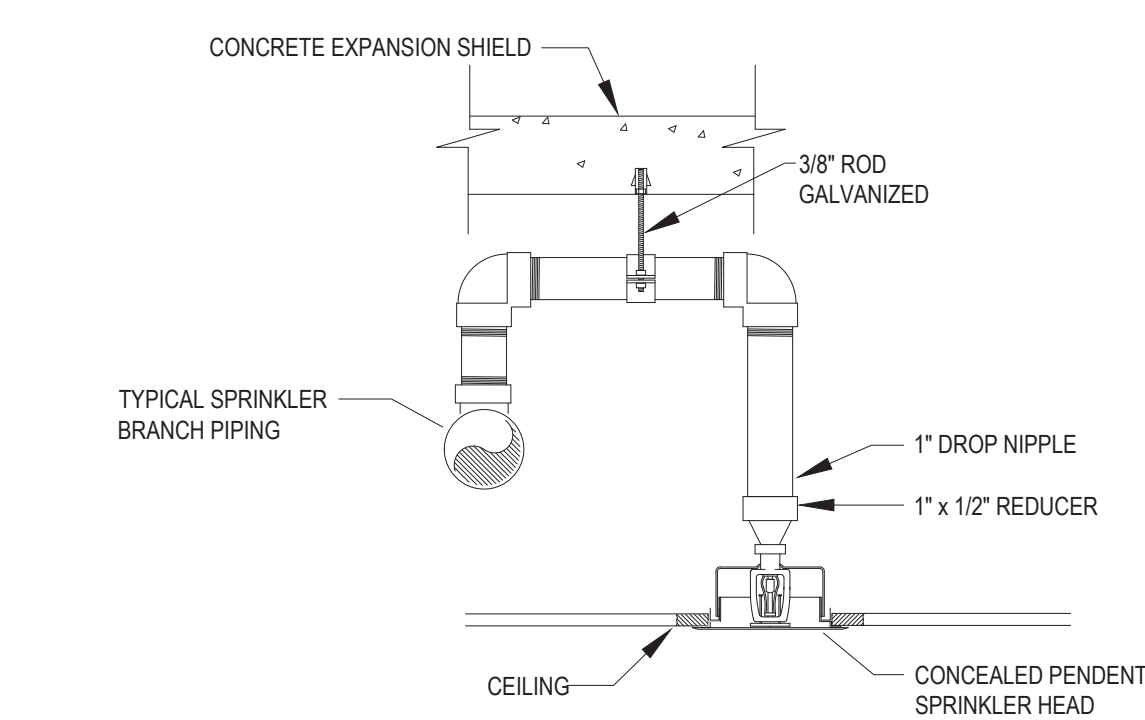
4 SINGLE CEILING PANEL SPRINKLER DETAIL
SP-400 NOT TO SCALE



5 TYPICAL SIDEWALL SPRINKLER HEAD IN SOFFIT ENCLOSURE
SP-400 NOT TO SCALE



6 TYPICAL EXPOSED SPRINKLER HEADS
SP-400 NOT TO SCALE



7 TYPICAL CONCEALED PENDENT SPRINKLER HEAD ON RETURN BEND
SP-400 NOT TO SCALE

SPRINKLER HEAD SCHEDULE																	
SYMBOL	TYPE	STYLE	RESPONSE	COVERAGE	COLOR	DISCHARGE COEFFICIENT (K)	ORIFICE	TEMPERATURE	MINIMUM OPERATING PRESSURE	MAXIMUM OPERATING PRESSURE	MAXIMUM SPACING:	MINIMUM SPACING:	MINIMUM FLOW:	MINIMUM FLOW DENSITY:	MANUFACTURER		REMARKS
															MODEL	SIN	
●	PENDENT	CONCEALED	QUICK	STANDARD	WHITE	5.8 K	1/2"	165 F° (ORDINARY)	7.6 PSI	175 PSI	16'-0" X 16'-0"	6'-0" X 6'-0"	16 GPM	0.05 GPM/SQ FT	FREEDOM	VIKING VK474	QUICK RESPONSE TYPE CONCEALED
○	UPRIGHT	EXPOSED	QUICK	STANDARD	BRASS	5.6 K	1/2"	155 F° (ORDINARY)	7 PSI	175 PSI	15'-0" X 15'-0"	6'-0" X 6'-0"	23 GPM	0.1 GPM/SQ FT	MICROFAST	VIKING VK300	QUICK RESPONSE TYPE UPRIGHT
● ^{FX}	PENDENT	CONCEALED	QUICK	STANDARD	WHITE	5.8 K	1/2"	165 F° (ORDINARY)	7.6 PSI	175 PSI	16'-0" X 16'-0"	6'-0" X 6'-0"	16 GPM	0.05 GPM/SQ FT	FLEXHEAD INDUSTRIES	LEXHEAD AS-AS04	QUICK RESPONSE TYPE CONCEALED FLEX PIPING
◀	SIDEWALL	CONCEALED	QUICK	STANDARD	WHITE	4.0 K	1/2"	165 F° (ORDINARY)	10.6 PSI	175 PSI	14'-0" X 14'-0"	8'-0" X 8'-0"	13 GPM	0.05 GPM/SQ FT	FREEDOM	VIKING VK480	CONCEALED HORIZONTAL SIDEWALL SPRINKLER (RESIDENTIAL TYPE)
◁	SIDEWALL	EXPOSED	QUICK	EXTENDED	WHITE	5.8 K	1/2"	165 F° (ORDINARY)	15.7 PSI	175 PSI	16'-0" X 20'-0"	8'-0" X 8'-0"	23 GPM	0.05 GPM/SQ FT	FREEDOM	VIKING VK490	CONCEALED HORIZONTAL EXTENDED SIDEWALL SPRINKLER (RESIDENTIAL TYPE)
NOTE: FINAL COLOR SELECTION TO BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION																	

FLUSHING BALL VALVE SCHEDULE	
PIPE SIZE	BALL VALVE SIZE
1" THRU 2-1/2"	LINE-SIZE FULL-PORT BALL VALVE
3"	ONE (1) 2-1/2"
4"	TWO (2) 2-1/2"
6"	THREE (3) 2-1/2"
8"	FOUR (4) 2-1/2"

NOTE :
FLUSHING FULL-PORT BALL VALVES SHALL BE PROVIDED ON UNDERGROUND MAINS (INSIDE THE BUILDING) AND ABOVE-GROUND MAINS. CROSS-MANS, BRANCH LINES AND RUN OUTS OF NEW SPRINKLER SYSTEMS (WET AND DRY), TO FACILITATE ANY FUTURE PERIODIC INTERNAL INSPECTIONS, OBSTRUCTION INVESTIGATIONS AND AS-NEEDED FLUSHING WORK.

FIRE PROTECTION PIPE AND FITTING SCHEDULE									
DESCRIPTION	SIZE	PIPE		FITTING		REMARKS	ABBREV.	DESCRIPTION	
		TYPE	SCHEDULE	TYPE	RATING				
WET SPRINKLER PIPING	2" AND BELOW	STL-BLK	40	MIT	STD	--	CI	CAST IRON	
WET SPRINKLER PIPING	2-1/2" AND LARGER	STL-BLK	40	GRV	STD	--	CLDI	CEMENT-LINED DUCTILE IRON	
DRAIN PIPING	ALL	STL-BLK	40	MIT/GRV	STD	--	FL	FLANGE	
							STL-BLK	BLACK STEEL SEAMLESS	
							STD	STANDARD	
							GRV	GROOVED JOINT SYSTEM FITTINGS/COUPLINGS	
							GALV	GALVANIZED STEEL	
							MIT	MALLEABLE IRON THREADED	

VALVE SCHEDULE									
DESCRIPTION	SIZE	TYPE					REMARKS	ABBREVIATIONS	
		OS&Y	BUTTERFLY	CHECK	BALL	CLASS		ABB.	DESCRIPTION
WET SPRINKLER PIPING	2" AND BELOW	OS&YT	BFVT	CVT	BVT	175 PSI	--	BFVG	BUTTERFLY VALVE GROOVED
WET SPRINKLER PIPING	2-1/2" AND LARGER	OS&YG	BFVG	CVG	BVG	175 PSI	--	BFVT	BUTTERFLY VALVE THREADED
DRAIN PIPING	ALL	--	--	--	BVT	175 PSI	--	BVG	BUTTERFLY VALVE GROOVED - FULL PORT
								BVT	BUTTERFLY VALVE THREADED - 2 - PIECE, FULL PORT, 400PSI
								CVG	CHECK VALVE GROOVED
								CVT	CHECK VALVE THREADED
								OS&YG	OS&Y RISING STEM VALVE GROOVED
								OS&YT	OS&Y RISING STEM VALVE THREADED