





777 Old Saw Mill River Road  
Tarrytown, NY 10591-6707  
T: 914.847.7400  
F: 914.847.7991  
www.regeneron.com

Building #17  
Campus Expansion Child  
Day-care Center

777 Old Saw Mill River Road  
Mount Pleasant, NY 10591

Project No. B17-DAYCARE

Architect

**Gensler**

1700 Broadway, Suite 400  
New York, NY 10019  
(212) 492-1400 Phone  
(212) 492-1472 Fax

Structural Engineer

Thornton Tomasetti  
120 Broadway, 15th Floor  
New York, NY 10271  
(917) 661-7800 Phone  
(917) 661-7801 Fax

MEP / IT / Security Engineer

Cosentini Associates  
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(212) 615-3600 Phone  
(212) 615-3700 Fax

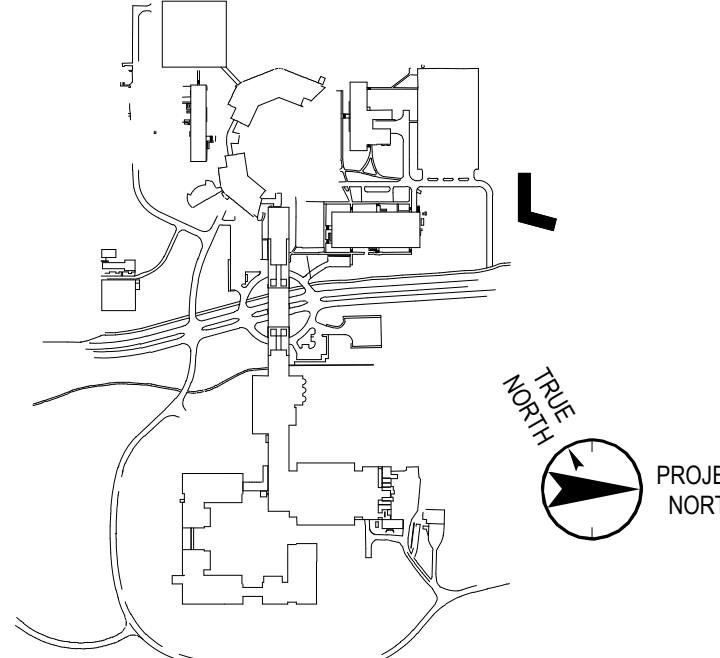
Civil Engineer

JMC  
120 Bedford Road  
Armonk, NY 10504  
(914) 273-5225 Phone  
(914) 273-2102 Fax

Landscape Architect

Langan  
21 Penn Plaza, 360 West 31st Street, 8th Floor  
New York, NY 10001  
(212) 479-5400 Phone  
(212) 479-5444 Fax

Key Plan



No. Date Description

0 05.20.2022 ISSUED FOR PERMIT

Plot Date: 11/23/21

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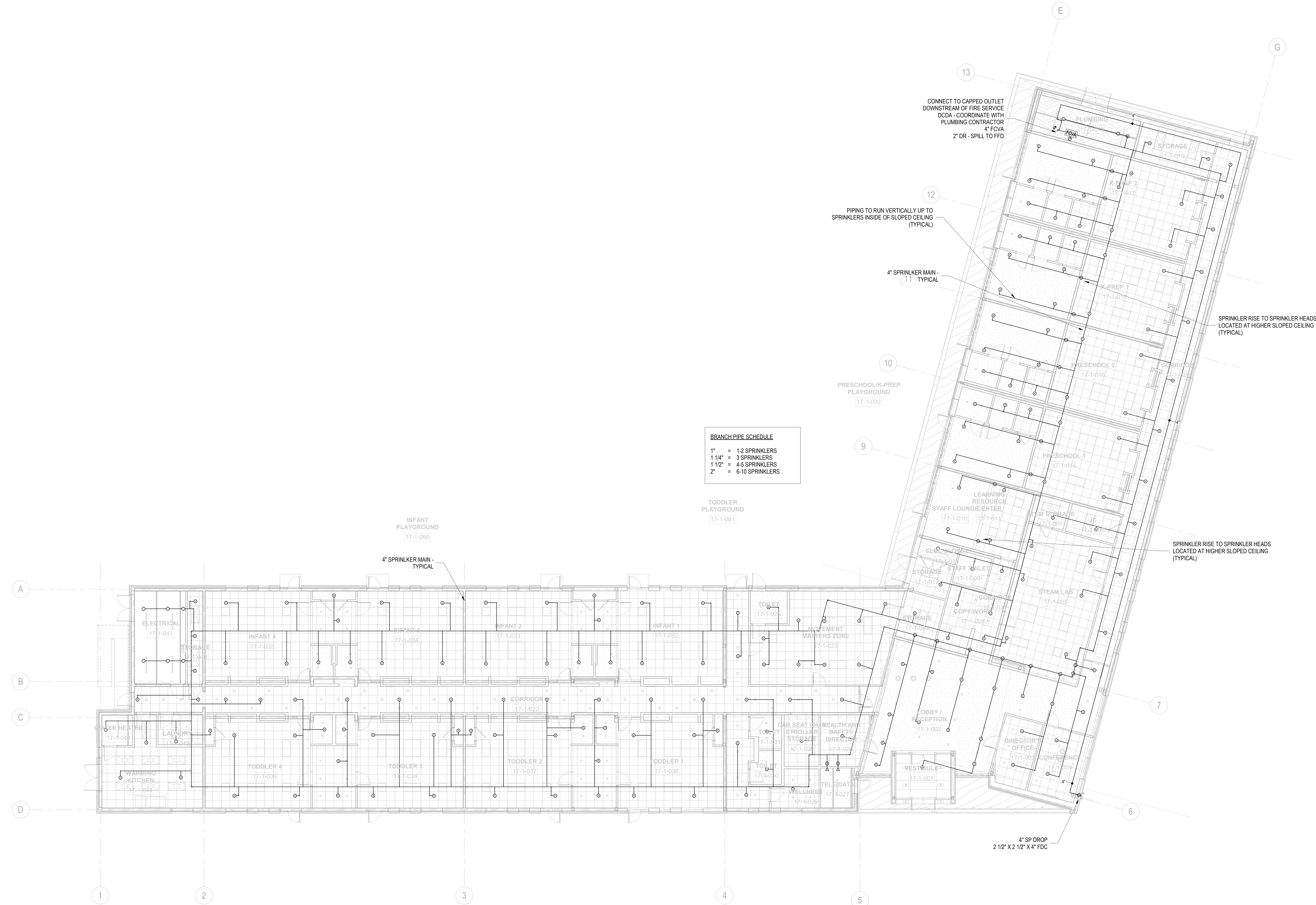
Professional Seal and Signature

Vendor Name: COSENTINI  
Vendor Project No.: 151-210104

Discipline: FIRE SUPPRESSION 1ST  
Floor Plan

Scale: 1/8" = 1'-0" Floor: 1ST

FX-101



1 LEVEL 1 FIRE PROTECTION RCP  
1/8" = 1'-0"

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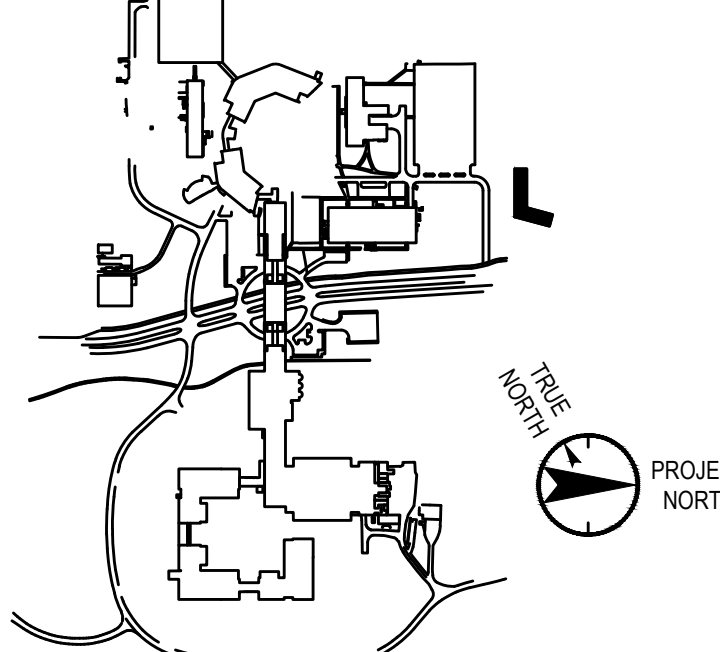
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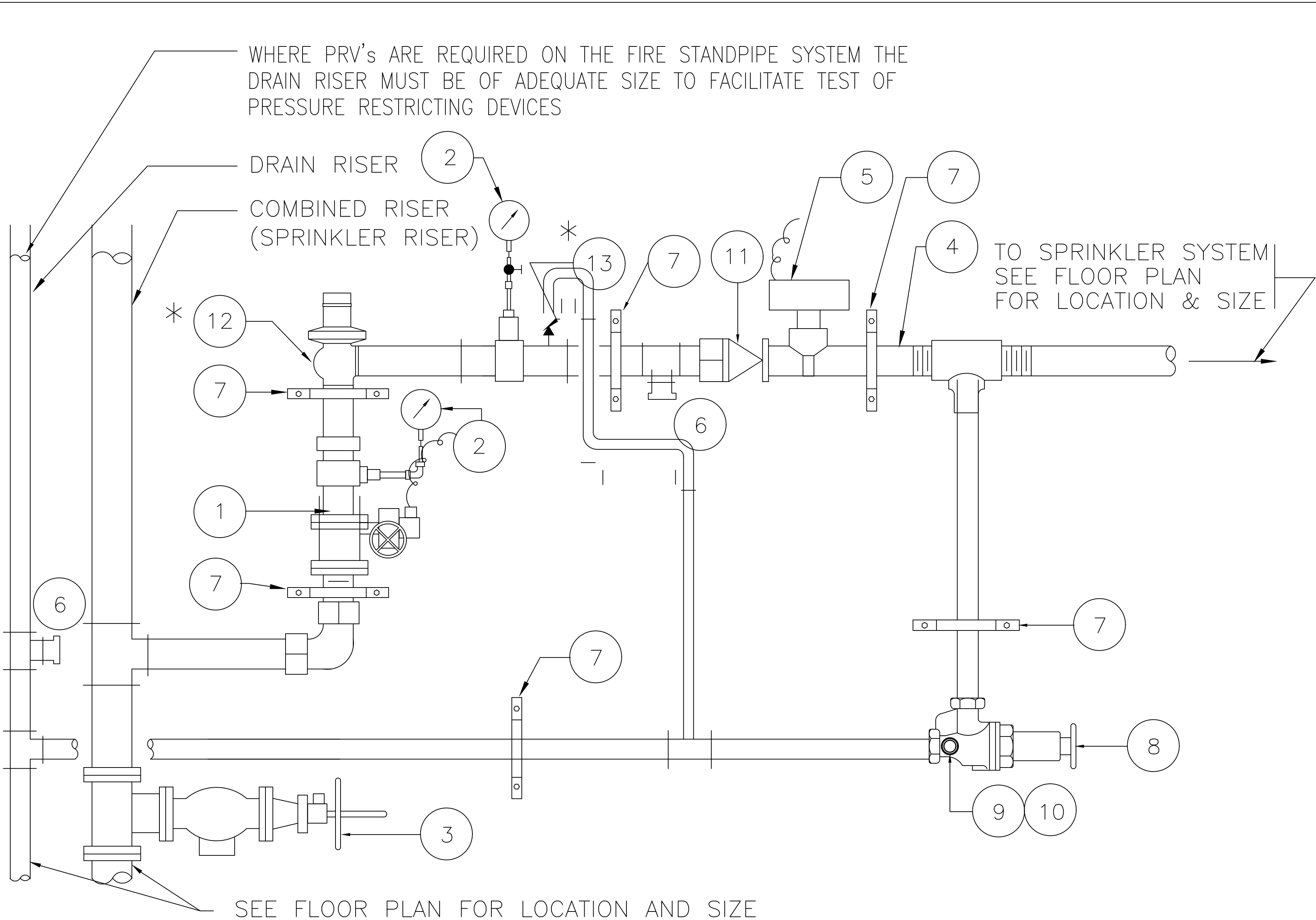
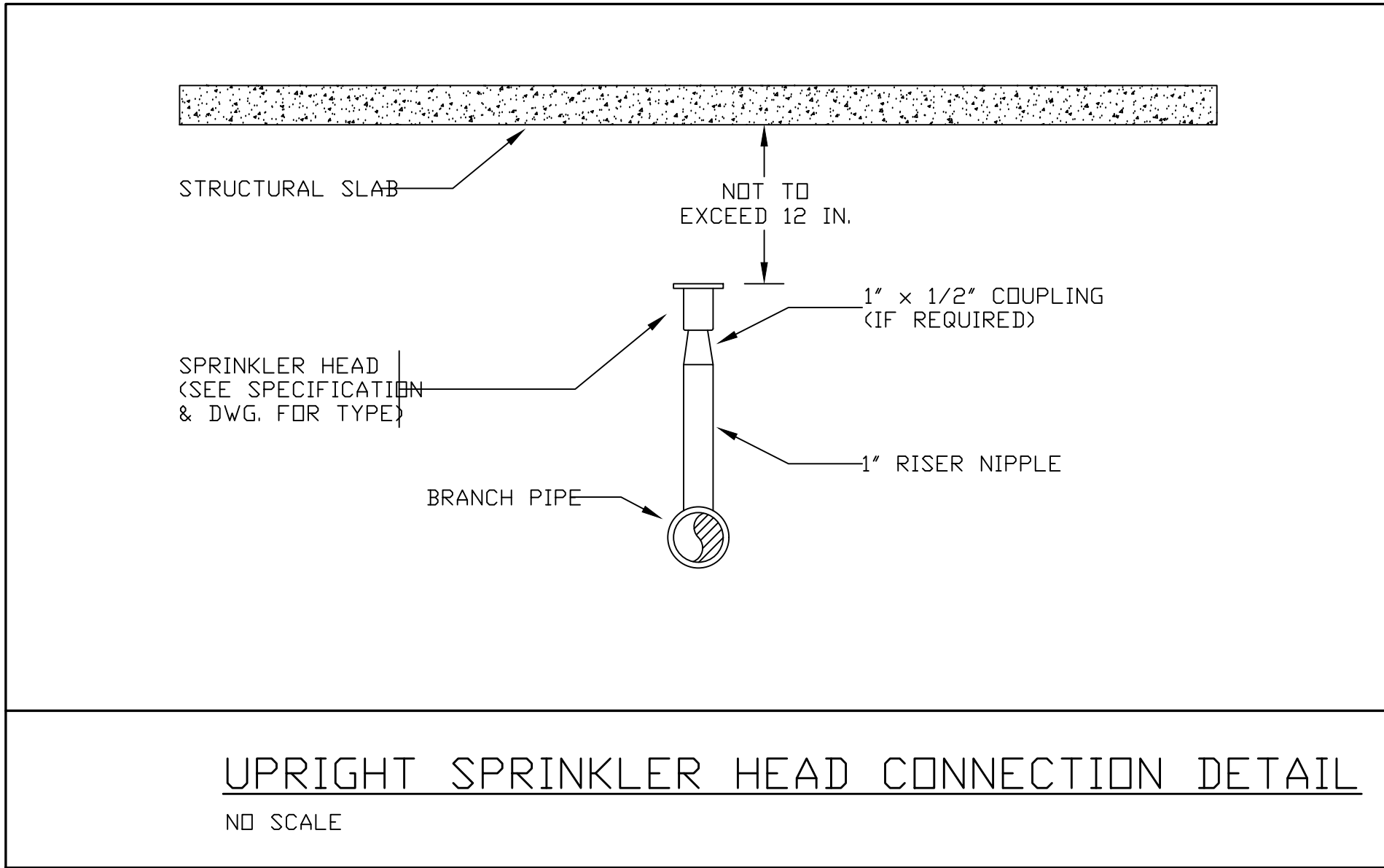
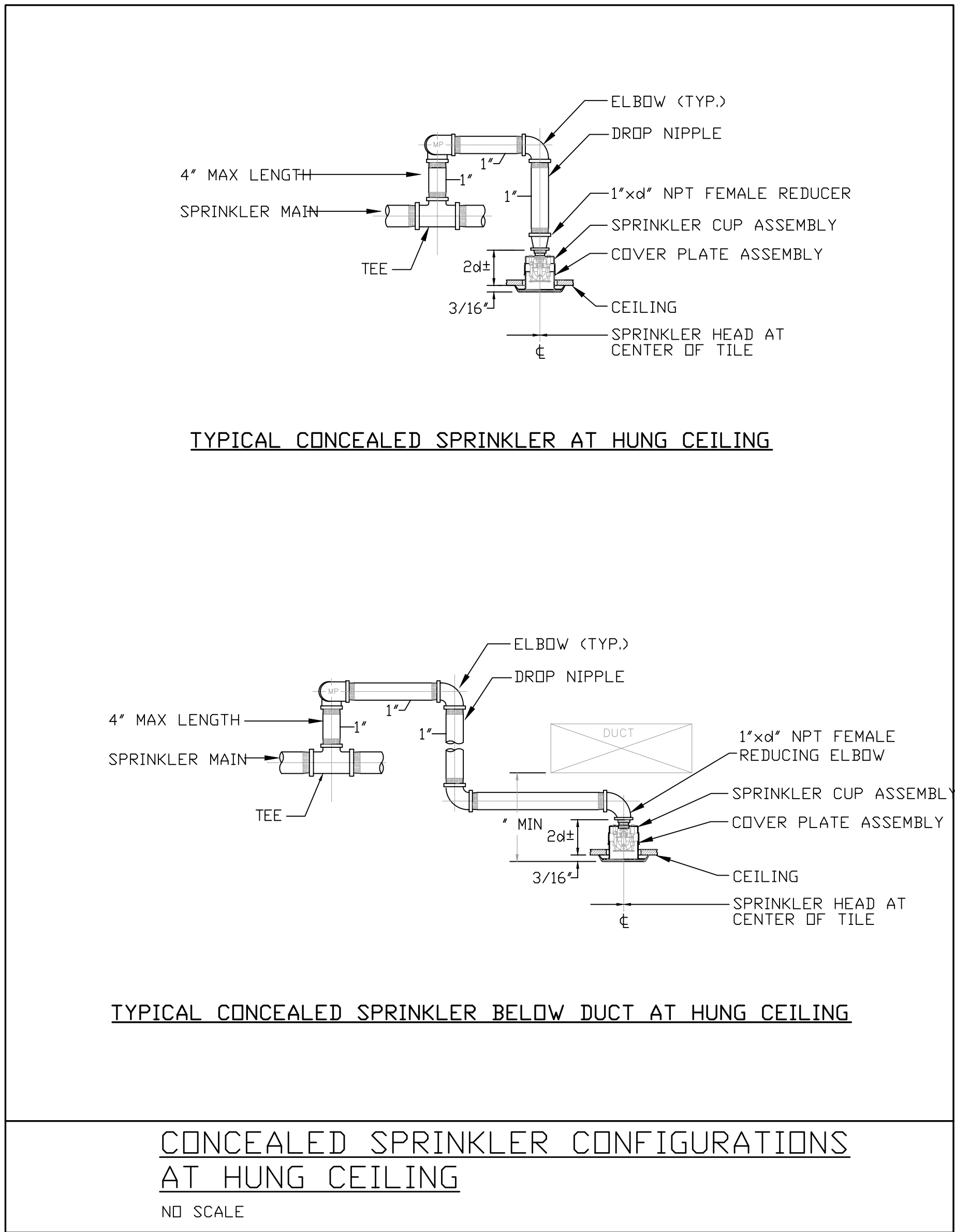
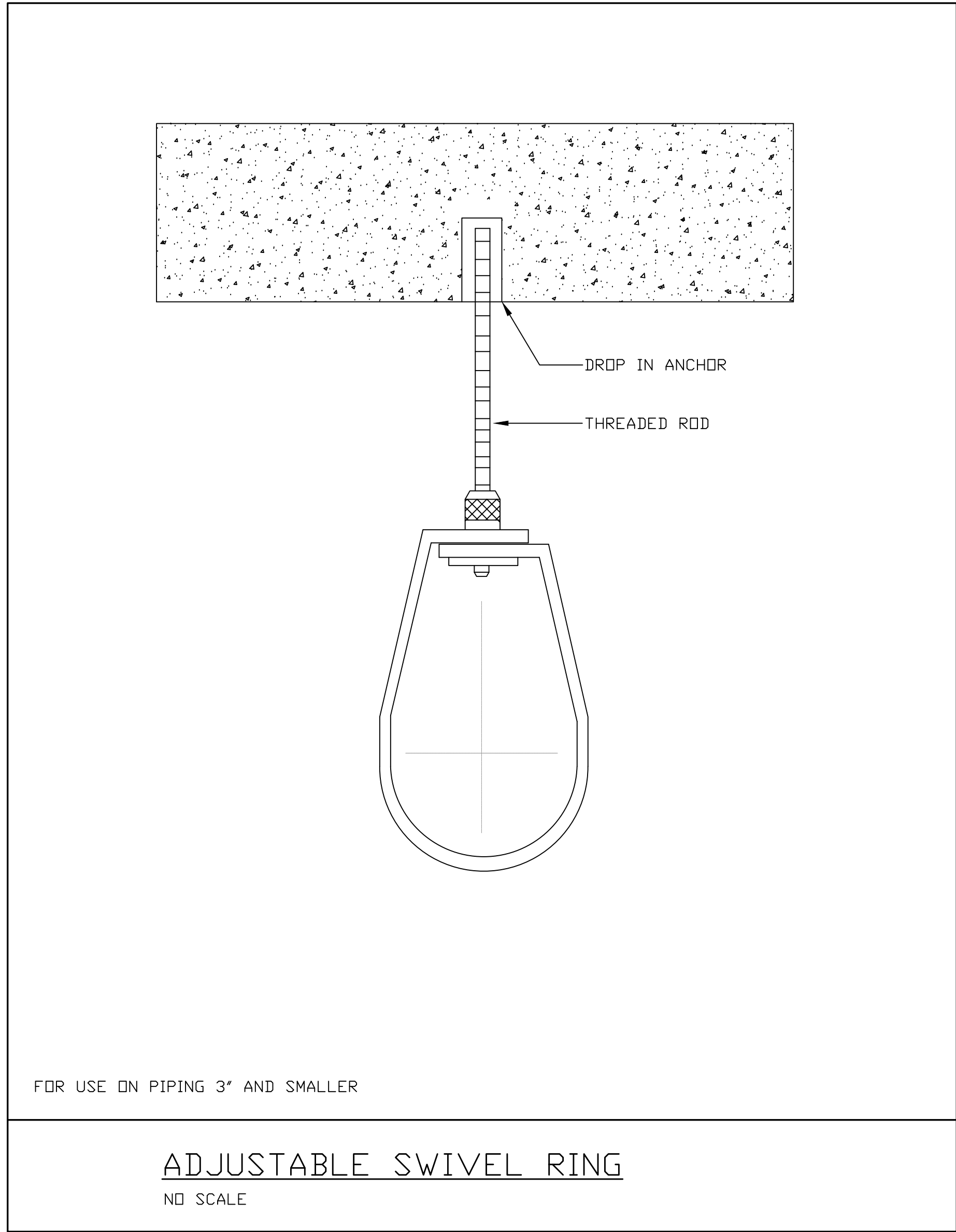
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Professional Seal and Signature

Vendor Name: COSENTINI  
Vendor Project No.: 151-210104  
Discipline: FIRE SUPPRESSION Drawn By: DH  
FIRE SUPPRESSION  
DETAILS

Scale: NTS Floor: N/A

FX-500



ITEM No.	Name	NOTES	ITEM No.	Name	NOTES
1	CONTROL VALVE WITH TAMPER SWITCH	175, 250, & 350 P.S.I. W.W.P. RATED VALVES, VALVE LOCATION AS PER FIRE PROTECTION RISER DIAGRAM.	9	(TESTMASTER) 1/2" TEST ORIFICE PLATE	
2	PRESSURE GAUGE WITH SHUTOFF COCK		10	SIGHT GLASS	
3	FIRE HOSE VALVE * (PROVIDE PRESSURE RESTRICTING DEVICE WHERE STATIC PRESSURE EXCEEDS 175 PSI.)		11	CHECK VALVE	
4	FEED MAIN				
5	WATERFLOW INDICATOR				
6	CAPPED OUTLET				
7	PIPE CLAMP				
8	GLOBE VALVE				

- \* 12 PRESSURE REGULATING VALVE (MODIFIED LESS WHEEL HANDLE WITH SECURED CAP — U.L., FM APPROVED TYPE) CLA-VAL OR ZURN OR APPROVED EQUAL
  - \* 13 PRESSURE RELIEF VALVE (SET FOR 175 PSI MAX.) WITH FULL LINE SIZE DRAIN LINE
- NOTES: \* PROVIDE WHEN SYSTEM PRESSURE EXCEEDS 175 PSI

COMBINED RISER WITH SPRINKLER VALVE RIG (FCVA)  
NO SCALE

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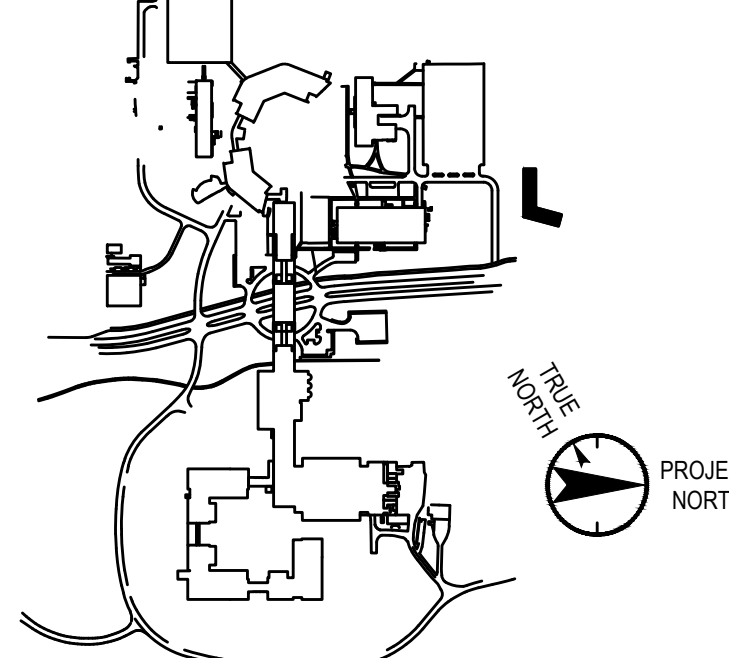
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Vendor Name: COSENTINI

Vendor Project No.: 151-210104

Discipline: FIRE SUPPRESSION Drawn By: DH

FIRE SUPPRESSION  
SCHEDULES

Scale: NTS

Factor: N/A

FX-600

SCHEDULE 40 PIPE – VICTAULIC COUPLING & FITTING SCHEDULE																					SEE NOTES								
SPECIFICATIONS																			SERVICE & LOCATION										
	VICTAULIC FTG. No.	SIZE	TYPE	GROOVED HOLE CUT	PIT	PLAIN END	VIC RING	150#WMP	175#WMP	200#WMP	250#WMP	300#WMP	350#WMP	400#WMP NOTE A	450#WMP NOTE B & D	500#WMP NOTE B & C	600#WMP	700#WMP	750#WMP	REFER TO GENERAL NOTE #1	REQUIRED	SPKR SYSTEM	FSP	IN-COMING SERVICE	RISERS	HORIZONTAL RUN	NOT PERMITTED	SEISMIC REQUIREMENTS	EXPANSION JOINTS
COUPLINGS	07 ZERO-FLEX	1"–4"	RIGID	•																	•					•	•		
	07 ZERO-FLEX	5"–6"	RIGID	•																	•					•	•		
	07 ZERO-FLEX	8"	RIGID	•																	•					•	•		
	07 ZERO-FLEX	10"	RIGID	•																	•					•	•		
	07 ZERO-FLEX	12"	RIGID	•																	•					•	•		
	07 ZERO-FLEX	14"–20"	RIGID	•																	•					•	•		
	005 FIRELOCK	2"–6"	RIGID	•																	•								
	009 FIRELOCK	1 1/4"–4"	RIGID	•																	•								
	HP–70	2"–8"	RIGID	•																	•								
	HP–70	10"–12"	RIGID	•																	•								
	77	3/4"–6"	FLEXIBLE	•																	•								
	77	8"–12"	FLEXIBLE	•																	•								
	77	14"–22"	FLEXIBLE	•																	•								
	75	1 1/2"–4"	FLEXIBLE	•																	•								
	75	4 1/2"–8"	FLEXIBLE	•																	•								
	741	2"–12"	VIC-FLANGE ADAPTER	•																	•								
	743	2"–12"	VIC-FLANGE ADAPTER	•																	•								
	791	2"–4"	BOLTLESS	•																	•								
	791	6"	BOLTLESS	•																	•								
	791	8"	BOLTLESS	•																	•								
	750	–	REDUCING	•																	•								
	72	1" – 2"	OUTLET UL/FM APPROVED SIZE & PRESSURE	•																									
TEST & DRAIN	720	1 1/4"–2"	GROOVED ENDS																										
FITTINGS	–	–	–																										
	10, 11, 12, 13	–	ELBOWS																		•								
	50, 52	–	REDUCERS																		•								
	20	–	TEES																		•								
	25, 29	–	REDUCING TEES																		•								
	85	–	CROSS																		•								
	920N	–	MECH TEE SIZE & PRESSURE UL/FM APPROVED																		•								
	920N	–	MECH TEE		•																•								
	922	–	–																										
27	–	STANDPIPE VALVE TEE																										•	

NOTES:

'A' 007 ZEROFLEX UL/FM APPROVED WITH LT. WALL PIPE ROLL GROOVE 350 PSI WMP  
'B' 007 ZEROFLEX UL/FM APPROVED WITH LT. WALL PIPE ROLL GROOVE 400 PSI WMP  
'C' 77 UL/FM APPROVED WITH LT. WALL PIPE ROLL GROOVE 450 PSI WMP  
'D' 75 UL/FM APPROVED WITH LT. WALL PIPE ROLL GROOVE 450 PSI WMP

GENERAL NOTE:

1. FITTINGS AND PRESSURE RATINGS ARE UL LISTED.  
REFER TO MANUFACTURER FOR FACTORY MUTUAL  
APPROVED FITTING PRESSURE RATING.

• FIRE PROTECTION MATERIAL SCHEDULE									
SYSTEM		PIPE			FITTINGS			JOINTS	
REQUIRED		TYPE K OR 'L' COPPER TUBING							
BURIED BUILDING FIRE SERVICE		DUCTILE IRON							
FIRE STANDPIPE		DUCTILE IRON							
SPRINKLER	(SEE NOTE 3)	CAST IRON WATER PIPE							
SPRINKLER	(SEE NOTE 4)	STEEL SCHED 10							
SPRINKLER DRAIN PIPE		STEEL SCHED 30							
DRY SPRINKLER		STEEL SCHED 40							
PRE-ACTION SPRINKLER	(SEE NOTE 5)	STEEL SCHED 80							
		BLACK							
		GALVANIZED							
		CEMENT LINED							
		MALLEABLE IRON							
		CLASS D							
		BLACK							
		GALVANIZED							
		DUCTILE IRON							
		WROUGHT COPPER							
		THREADED							
		MECH JOINT-FLANGED							
		VICTAULIC							
		CAULKED							
		BRAZED							

FIRE PROTECTION VALVE SCHEDULE	
TYPE	VALVE SPECIFICATION
	MANUFACTURER FIG. NO. SIZE THREADED FLANGED GROOVED GATE VALVES N.R.S. BRONZE B-61 BRONZE B-62 BRONZE B-584 CAST IRON A-126 CAST STEEL A-216 RESILIENT WEDGE MECHANICAL JOINT DUCTILE IRON A-536 UL/FM NYC BSA/MEA UL LISTED FOR TRIM & DRAIN WALL POST INDICATOR POST 75# WMP 200# WMP 250# WMP 300# WMP 350# WMP 400# WMP 500# WMP 600# WMP 700# WMP 1000# WMP 1480# WMP
GATE VALVES	N T-104-O 1/2"-2" •
	N F-607-RW 2 1/2"-12" •
	N M-609-RW 4"-12" •
	N F-609-RW 4"-12" •
	N F-667-O 2"-12" •
	N F-697-O 2 1/2"-10" •
	N G-607RW 3"-8" •
	N F-607OTS 2 1/2"-12" •
	C 76 2"-12" •
	N KT-403-W 1/2"-3" •
CHECK VALVES	N F-908-W 2 1/2"-12" •
	N F-968-B 2 1/2"-6" •
	N G-917W 2 1/2"-6" •
	C 175 2"-12" •
BUTTERFLY VALVES	N LD3510-S 2"-12" •
	N Q047658N 2 1/2"-8" •
	M BBHSLSO2 1"-2 1/2" •
	M BVHSCSO2 2"-2 1/2" •
	V 705W 2 1/2"-6" •
GLOBE & ANGLE VALVES	N T-331-HC 2 1/2" •
	N KT-65-UL 1/4"-1" •
	N KT-211W-UL 1/4"-2" •
	N KT-67-UL 1/2"-1" •
BALL VALVES	N KT-585-70-UL 1/4"-3" •
	N NIP-1AJ •
WALL AND INDICATOR POSTS	N NIP-2AJ •

MANUFACTURE KEY

N = NIBCO BALANCE OF VALVES LISTED

M = MILWAUKEE BUTTERFLY VALVES through 2 1/2" ONLY (BBHSCSO2 SERIES)

FOR FIRE SPRINKLER SYSTEM

V = VICTAULIC FIRELOCK BUTTERFLY VALVE (FOR FIRE SPRINKLER SYSTEM)

C = CRANE CAST STEEL GATE & CHECK VALVES (FIGS 175,76)

ABBREVIATIONS:

N.R.S.- NON-RISING STEM

AWWA- AMERICAN WATER WORKS ASSOCIATIONS

BS&A- N.Y.C. BOARD OF STANDARDS AND APPEALS

MEA- N.Y.C. MATERIAL AND ACCEPTANCE DIVISION

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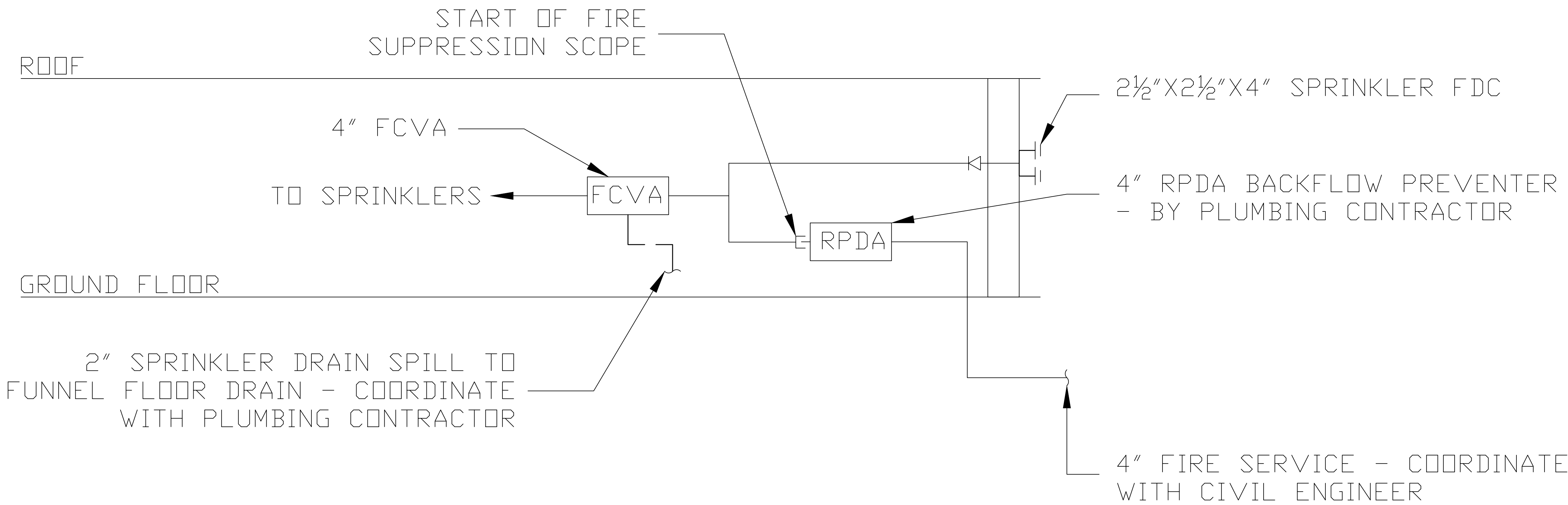
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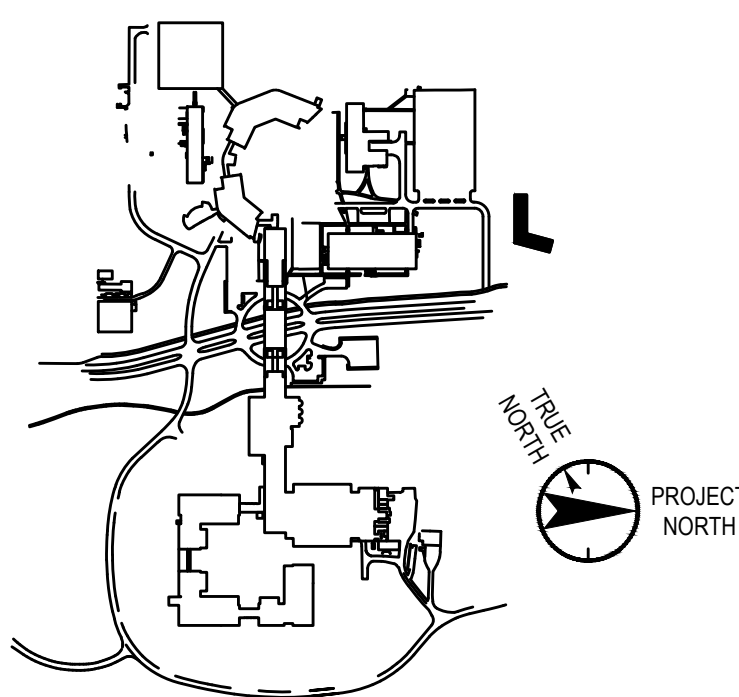
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RISER DIAGRAM

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