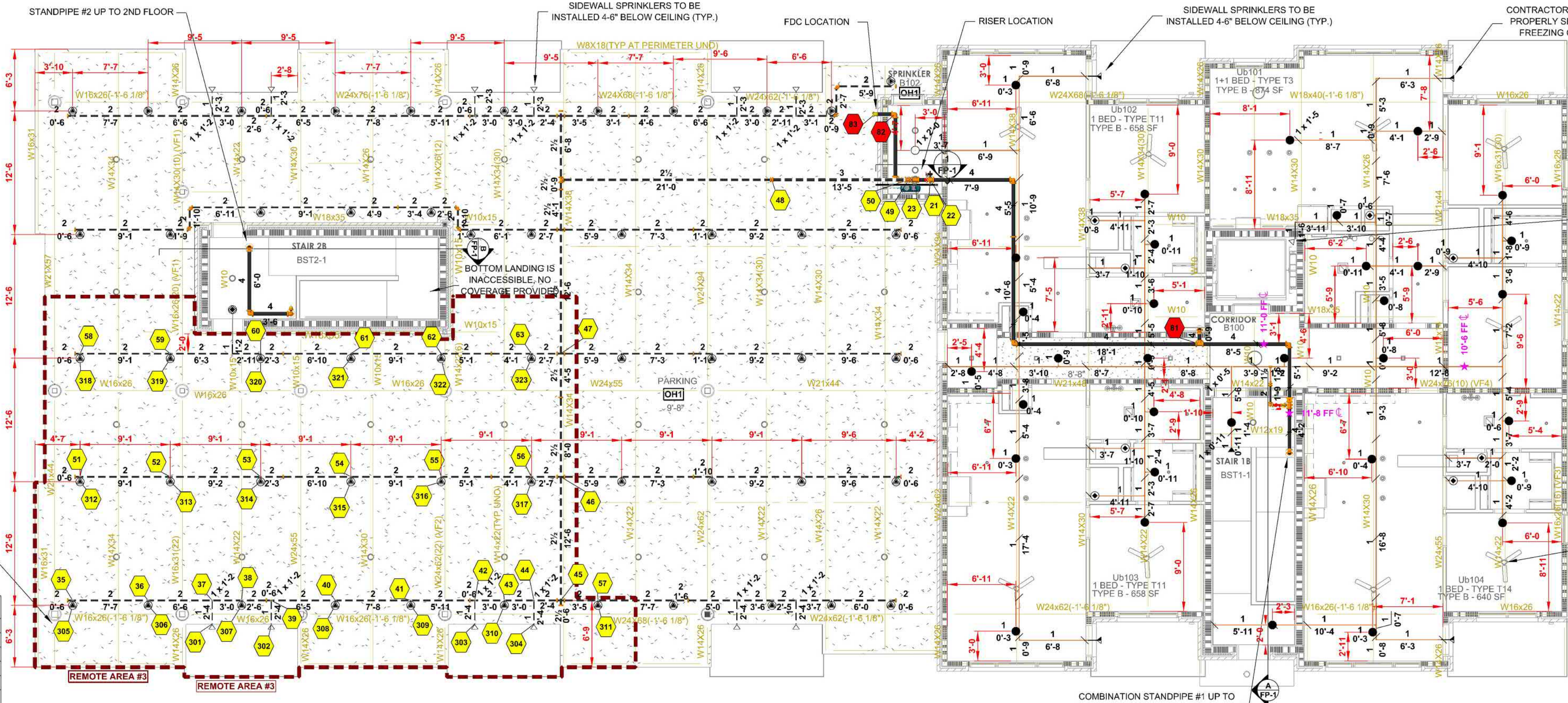
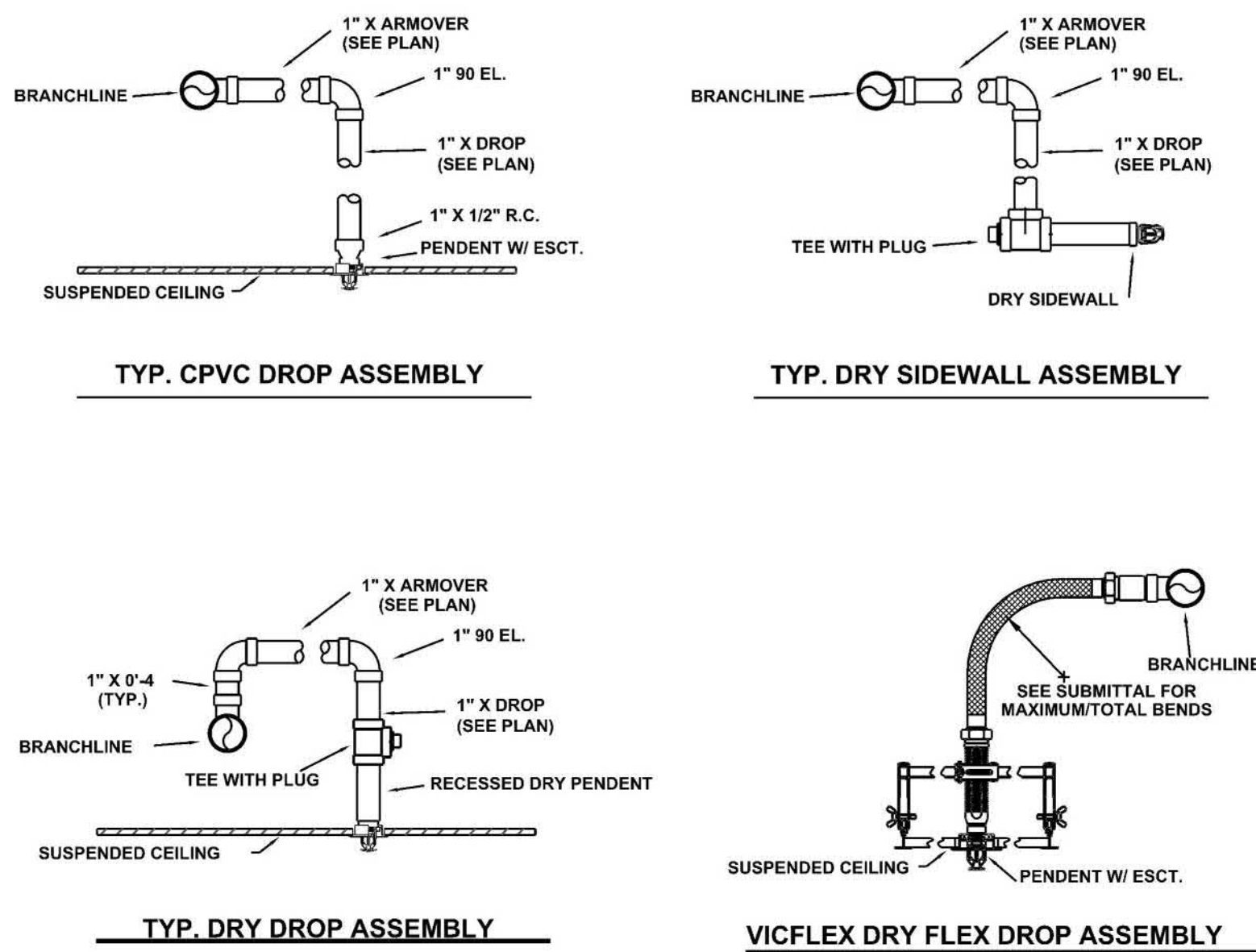
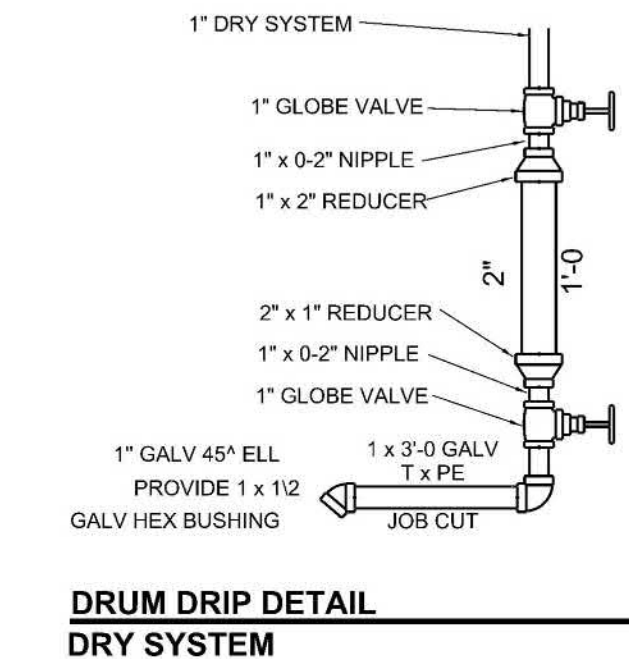
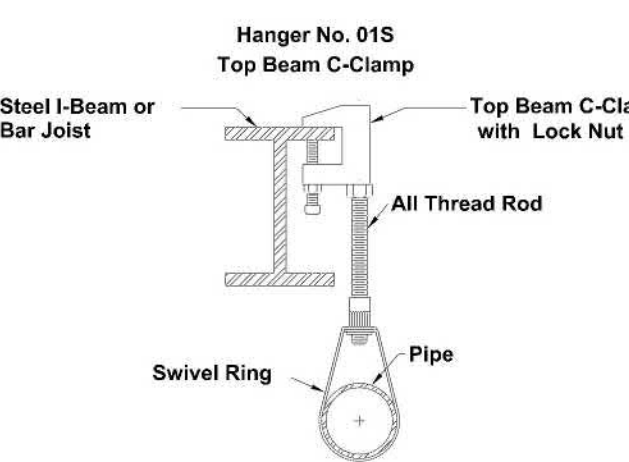
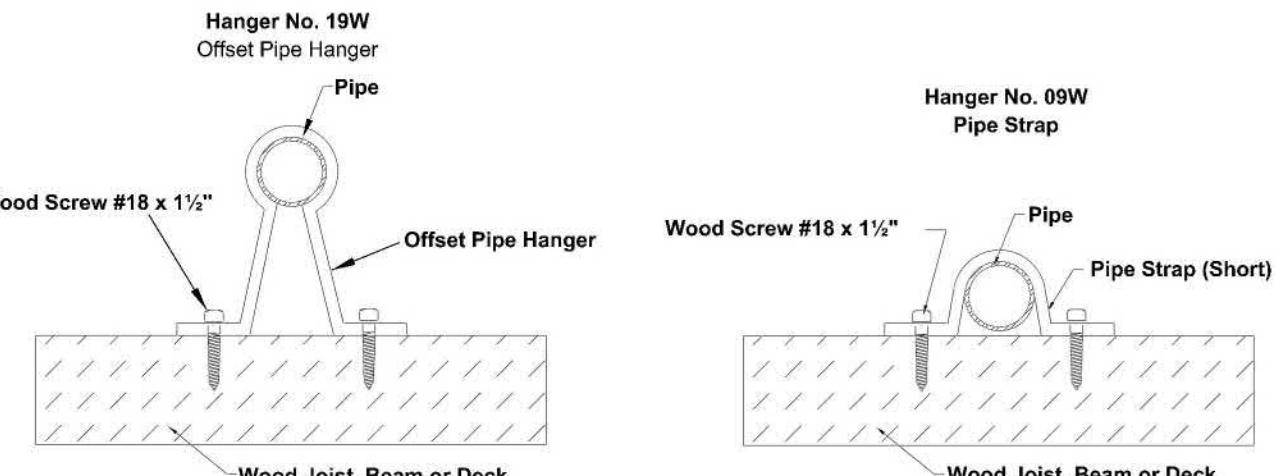


Hydraulic Information	
Remote Area #3	Ordinary Group 1
DENSITY (gpm/ft)	0.15 for 1950F (Actual 1992F)
TOTAL HOSE STREAMS	250.0
DRY CAPACITY	118gal
TOTAL HEADS FLOWING	23
K-FACTOR	5.6
TOTAL WATER REQUIRED	738.5
TOTAL PRESSURE REQUIRED	110.2
BASE OF RISER (psi)	86.9
SAFETY MARGIN (psi)	+13.4 (10.8%)
NOTE: REMOTE AREA 1500SQFT INCREASED BY 30% TO 1950SQFT WITHOUT REVISING DENSITY, PER NFPA 13 11.2.3.2.5.	



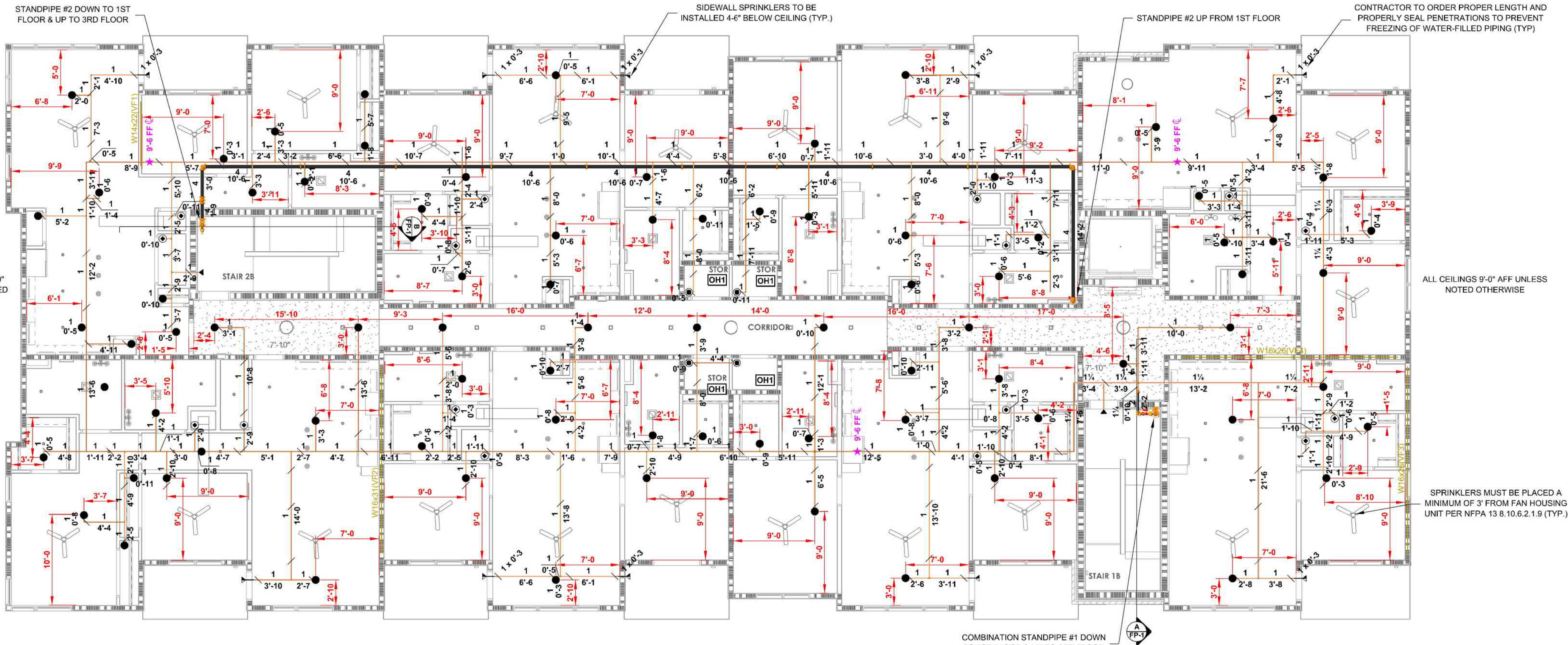
Sprinkler Legend											
Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Escutcheon
	Victaulic	V2740	FL-RES	279	4.9	Pendent	1"	Quick	WHITE	155°F	Recessed
	Victaulic	V2708	FL-QR	16	5.6	Pendent	1"	Quick	WHITE	155°F	Recessed
	Victaulic	V3506	VS1	1	5.6	Pendent	1"	Quick	WHITE	155°F	Recessed
	Victaulic	V5621	FL-SA/DS	45	5.6	Upright	1"	Quick	BRASS	200°F	N/A
	Victaulic	V2704	FL-QR	2	5.6	Upright	1"	Quick	BRASS	155°F	N/A
	Victaulic	V2740	FL-RES	56	4.9	Pendent	1"	Quick	WHITE	175°F	Recessed
	Victaulic	V3610	FL-QR/DRY/SW	34	5.6	Horizontal Sidewall	1"	Quick	WHITE	200°F	Recessed
	Victaulic	V2710	FL-QR/SW	13	5.6	Horizontal Sidewall	1"	Quick	WHITE	155°F	Recessed
	Victaulic	V2758	FL-ECLH/SW	6	5.6	Horizontal Sidewall	1"	Quick	WHITE	155°F	Recessed
				Total = 595							

LEVEL 1 FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"
SCALE: 1/4" = 1'-0"



HANGER DETAILS

MAXIMUM DISTANCE BETWEEN HANGERS (FT.-IN.)									
	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	8"
STEEL PIPE EXCEPT THREADED LIGHTWALL	NA	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0
BLAZEMASTER CPVC	5-6	6-0	6-6	7-0	8-0	9-0	10-0	NA	NA



LEVEL 2 FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"
SCALE: 1/4" = 1'-0"

SPRINKLER SYMBOL DESCRIPTION		CONTRACT NAME:		CHECKED BY:	
SEE SHEET		SOUTH GREEN FLATS BUILDING B		JGB	
		130 TWO HILLS DRIVE CARRBORO, NC, 27510		DATE:	
		CONTRACT WITH: PROGRESSIVE CONTRACTING COMPANY		04/02/2025	
		DESCRIPTION: FIT-UP		AS SHOWN	
		SYSTEM DESIGN DATA		CONTRACT NO:	
		ORDINARY GRP 1		9,750	
		0.15		130	
		2056		250	
		888.0		109.6	
		125		1455	
		BY: ORANGE WATER AND		DATE: 09/10/24	
		TWO HILLS DRIVE		SEWER AUTHORITY	
TOTAL SPRINKLERS SHOWN ON THIS SHEET		DRAWN BY:		JCG	
TOTAL SPRINKLERS REQUIRED ON THIS CONTRACT		DRAWING NO.		FP 2 of 3	

IMPORTANT		CONTRACT RESPONSIBILITIES		SYMBOLS		ABBREVIATIONS		SYSTEM TYPE	
In locations that are subject to freezing conditions, it is the owner's responsibility to provide heat throughout areas protected by wet pipe sprinkler systems and in enclosures for dry pipe, deluge or other types of valves controlling water supplies to sprinkler systems.		ITEM		C.F.P./OTHERS		BOB Bottom of Beam		WET	
		STREET WATER CONNECTION		N/A		BOD Bottom of Deck		X DELUGE	
		UNDERGROUND WATER MAINS		N/A		BDP Bottom of Pipe		X PREACTION	
		EXCAVATIONS		N/A		D Ditch			
		BACKFILL		N/A		HV Hose Valve			
		WIRING		N/A		N & C Nipple and Cap			
		PAINTING		N/A		NIC Not in Contact			
						NTS Not to Scale			
						OB Open Bar Joint			
						PRV Pressure Red. Valve			
						RM Roof Manifold			
						SP Standpipe			
						TOS Top of Beam			
						TOS Top of Pipe			
						TOS Top of Slab			
						UNO Unless Noted Otherwise			

