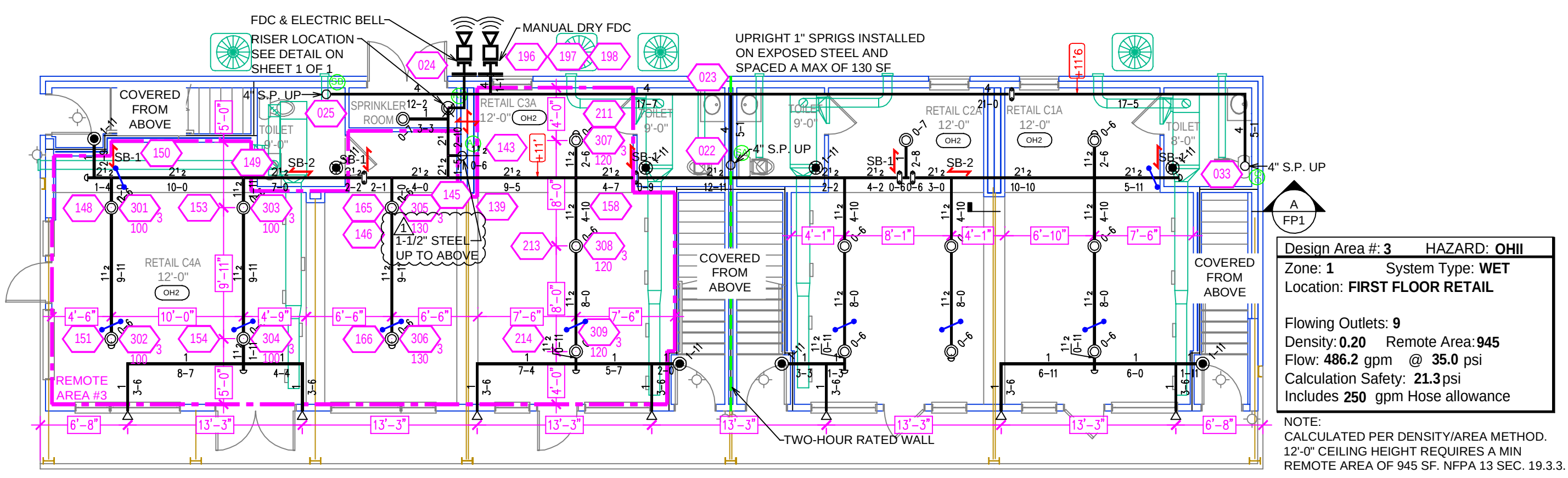
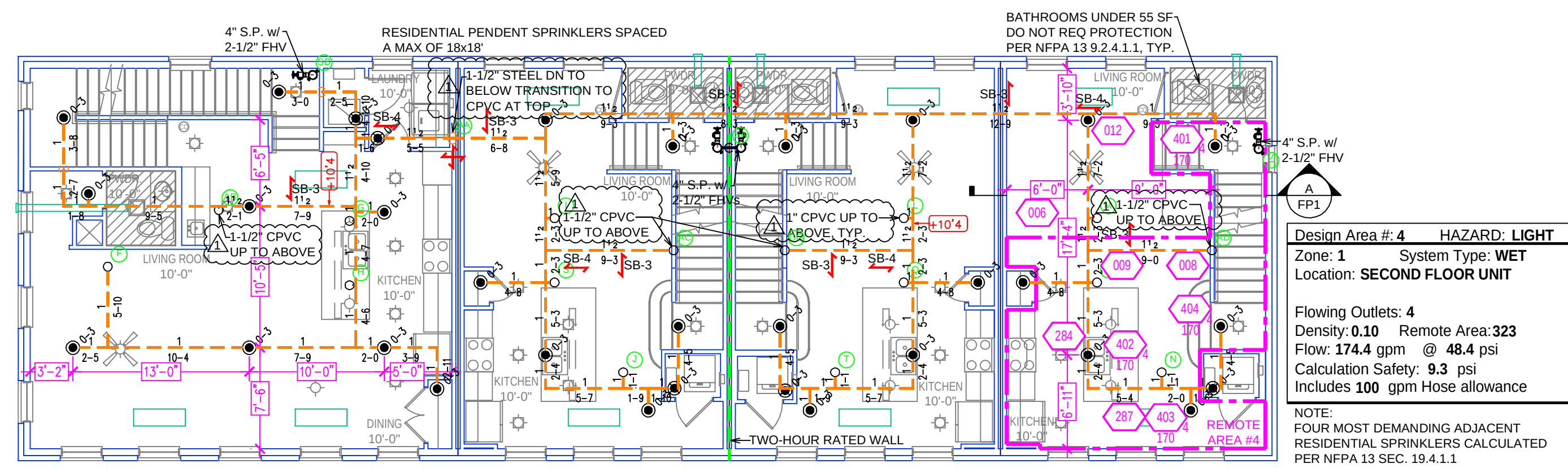




FIRE SPRINKLER PLAN FIRST FLOOR
 SCALE: 1/8" = 1'-0"

FLOOR AREA:
2185 S.F.

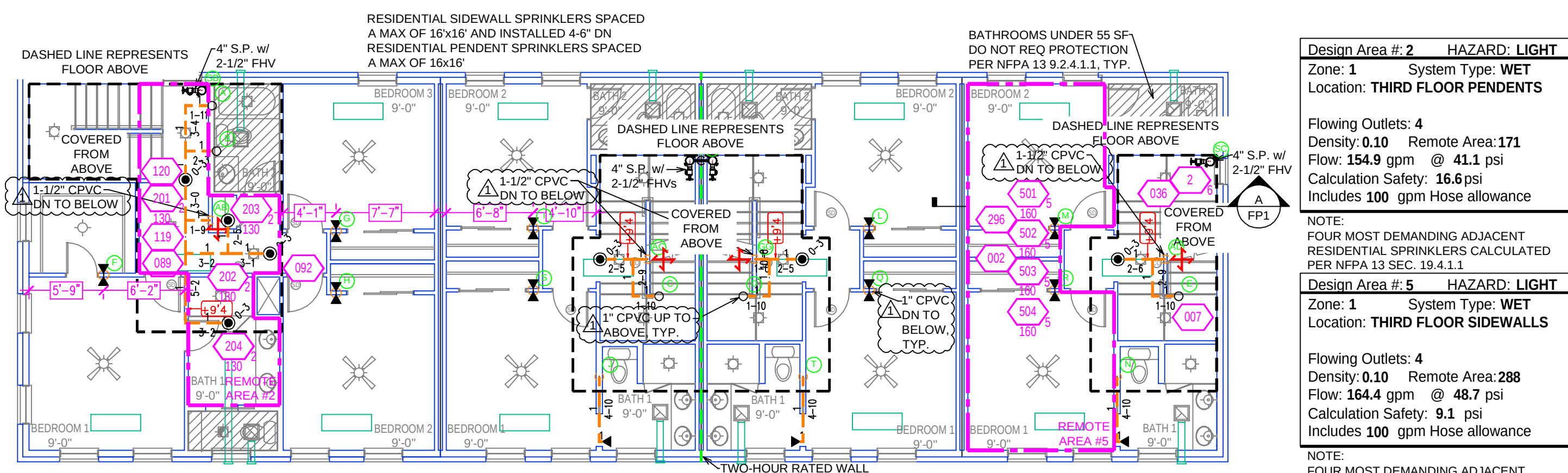
GRAPHIC SCALE: 1/8" = 1'-0"



FIRE SPRINKLER PLAN SECOND FLOOR
 SCALE: 1/8" = 1'-0"

FLOOR AREA:
2558 S.F.

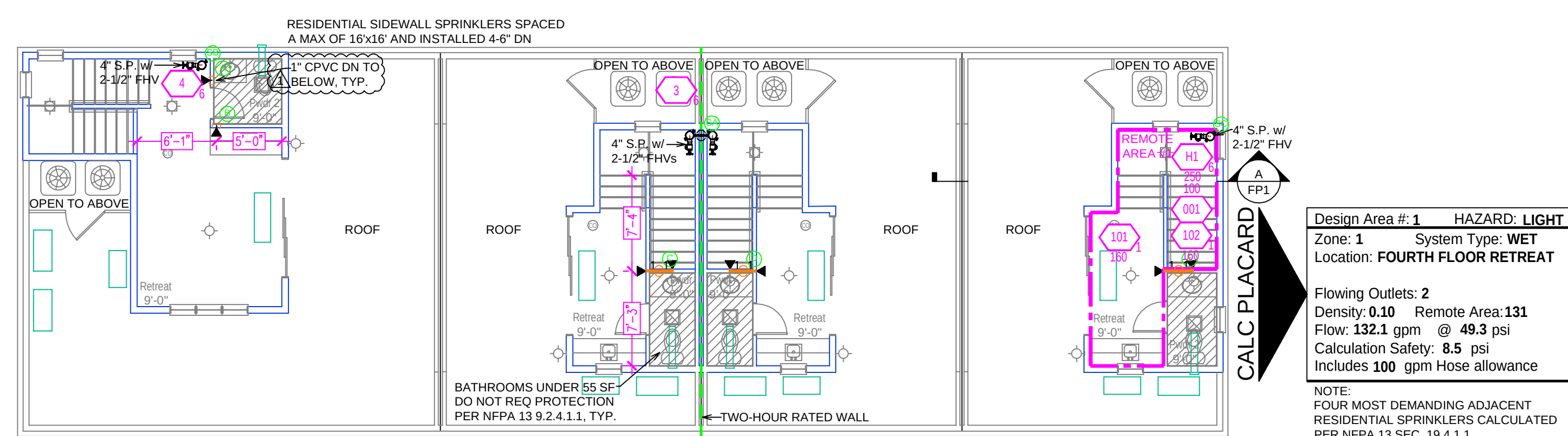
GRAPHIC SCALE: 1/8" = 1'-0"



FIRE SPRINKLER PLAN THIRD FLOOR
 SCALE: 1/8" = 1'-0"

FLOOR AREA:
2558 S.F.

GRAPHIC SCALE: 1/8" = 1'-0"



FIRE SPRINKLER PLAN FOURTH FLOOR
 SCALE: 1/8" = 1'-0"

FLOOR AREA:
2558 S.F.

GRAPHIC SCALE: 1/8" = 1'-0"

PIPE LEGEND

BLACK STEEL PIPING
 CPVC PIPING

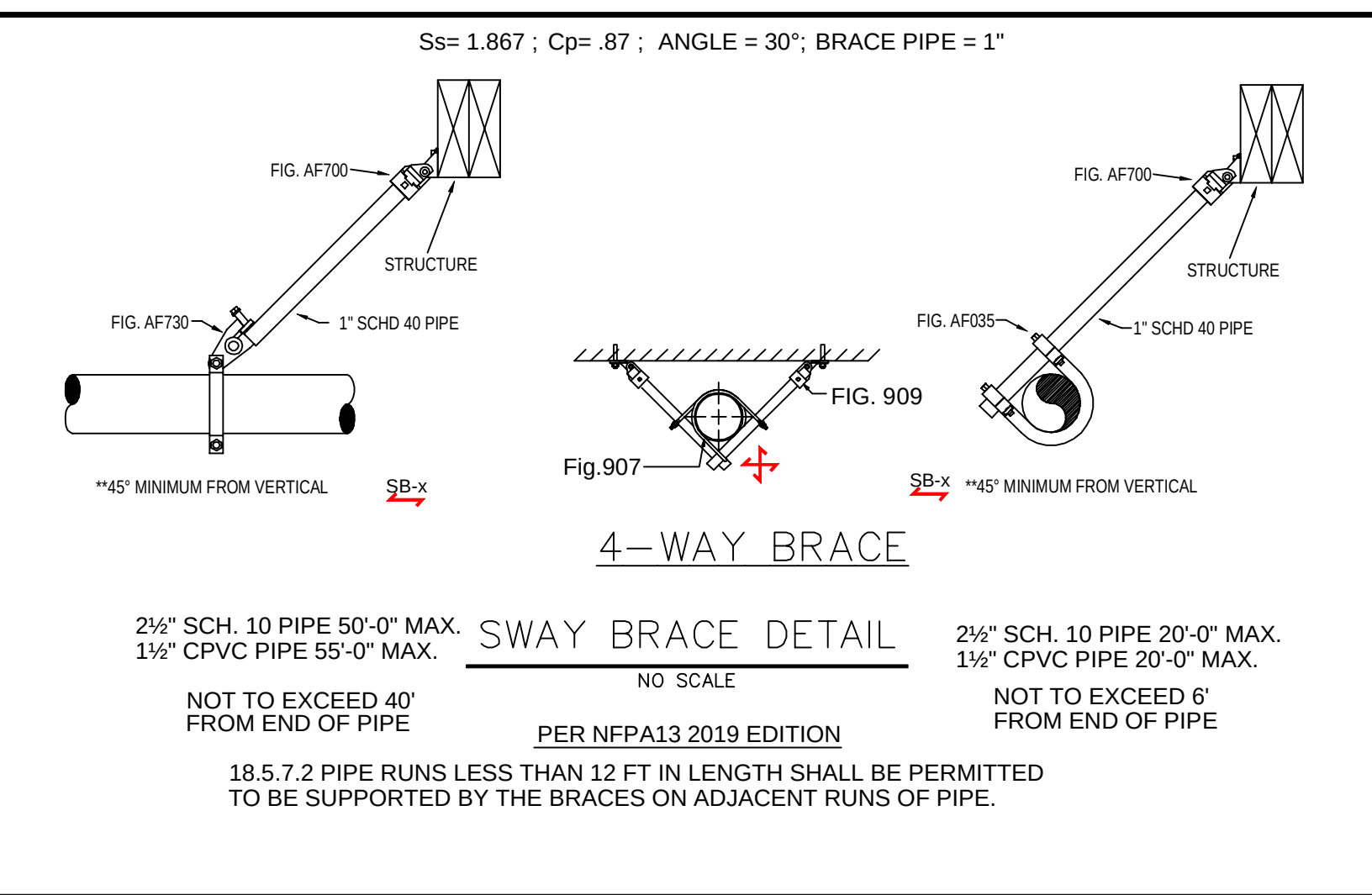
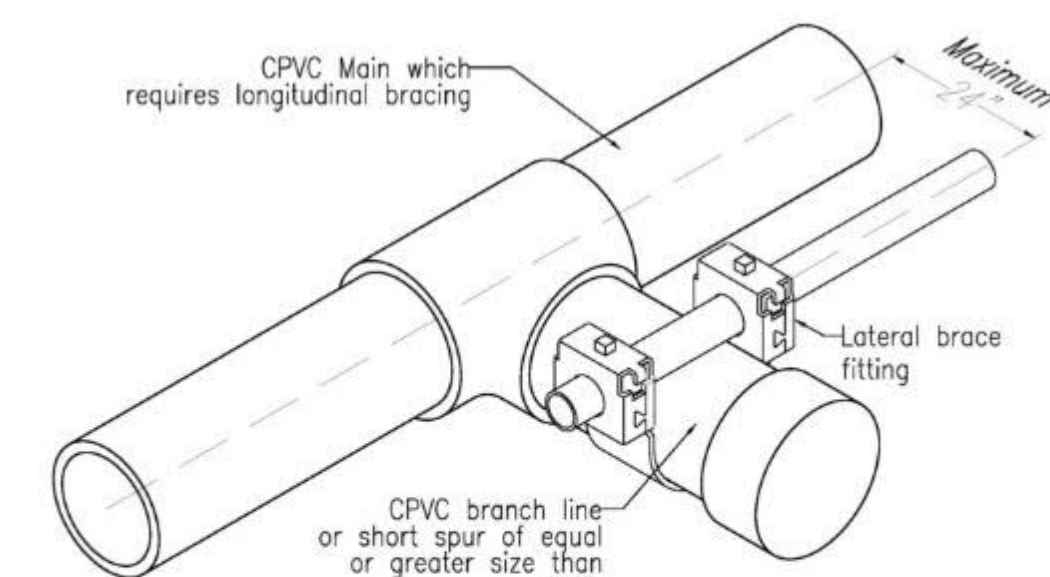
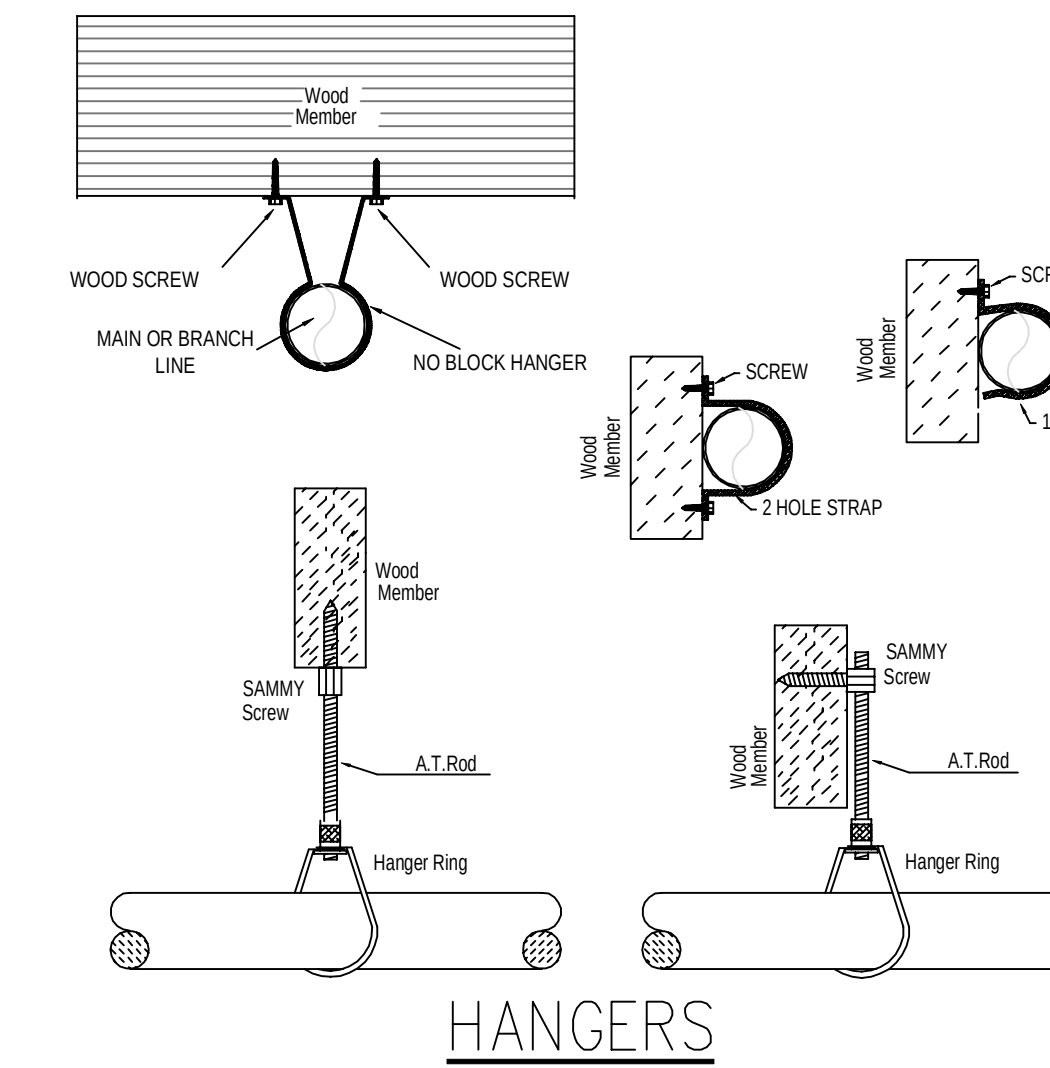
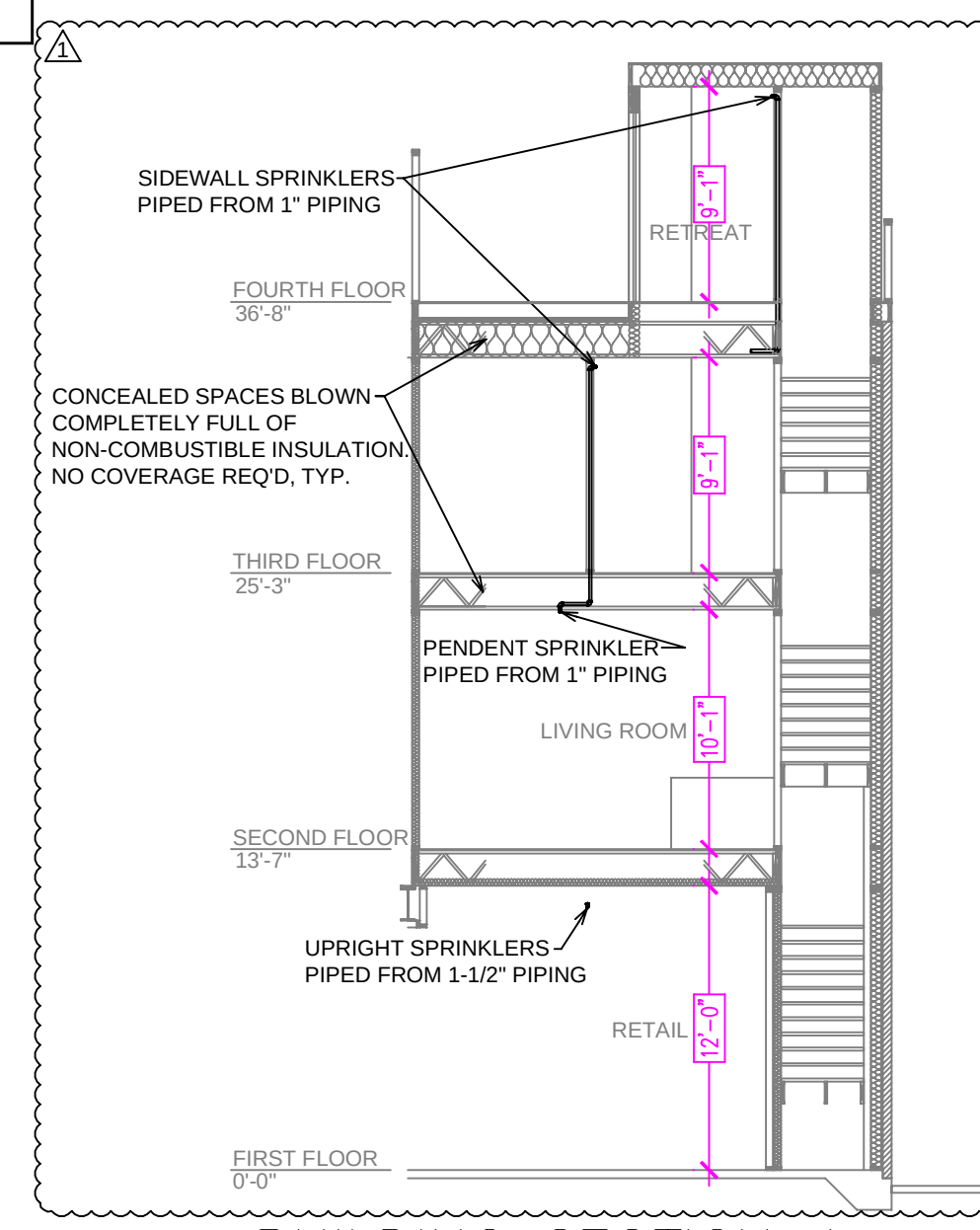
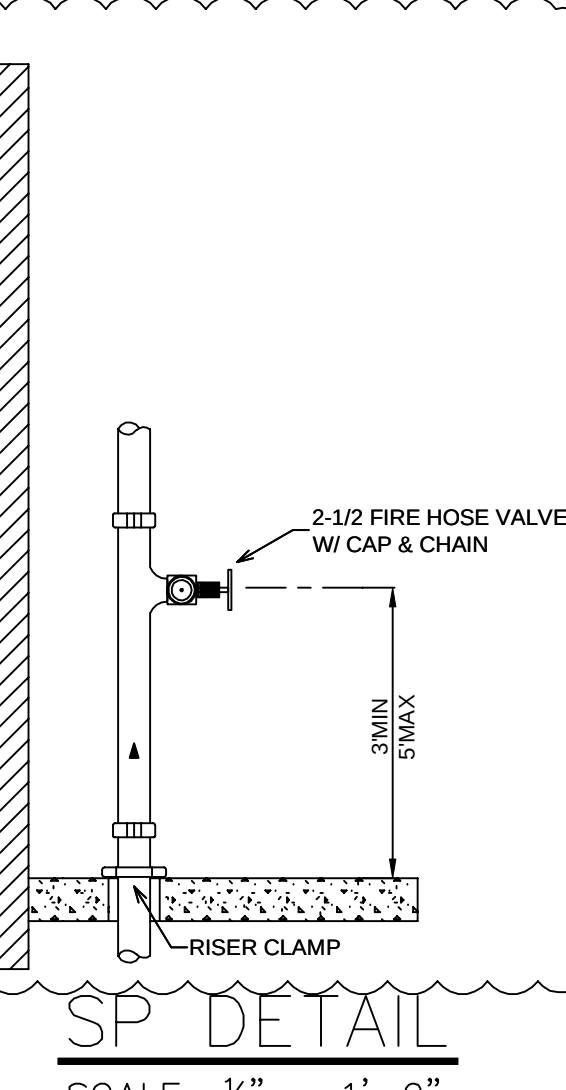
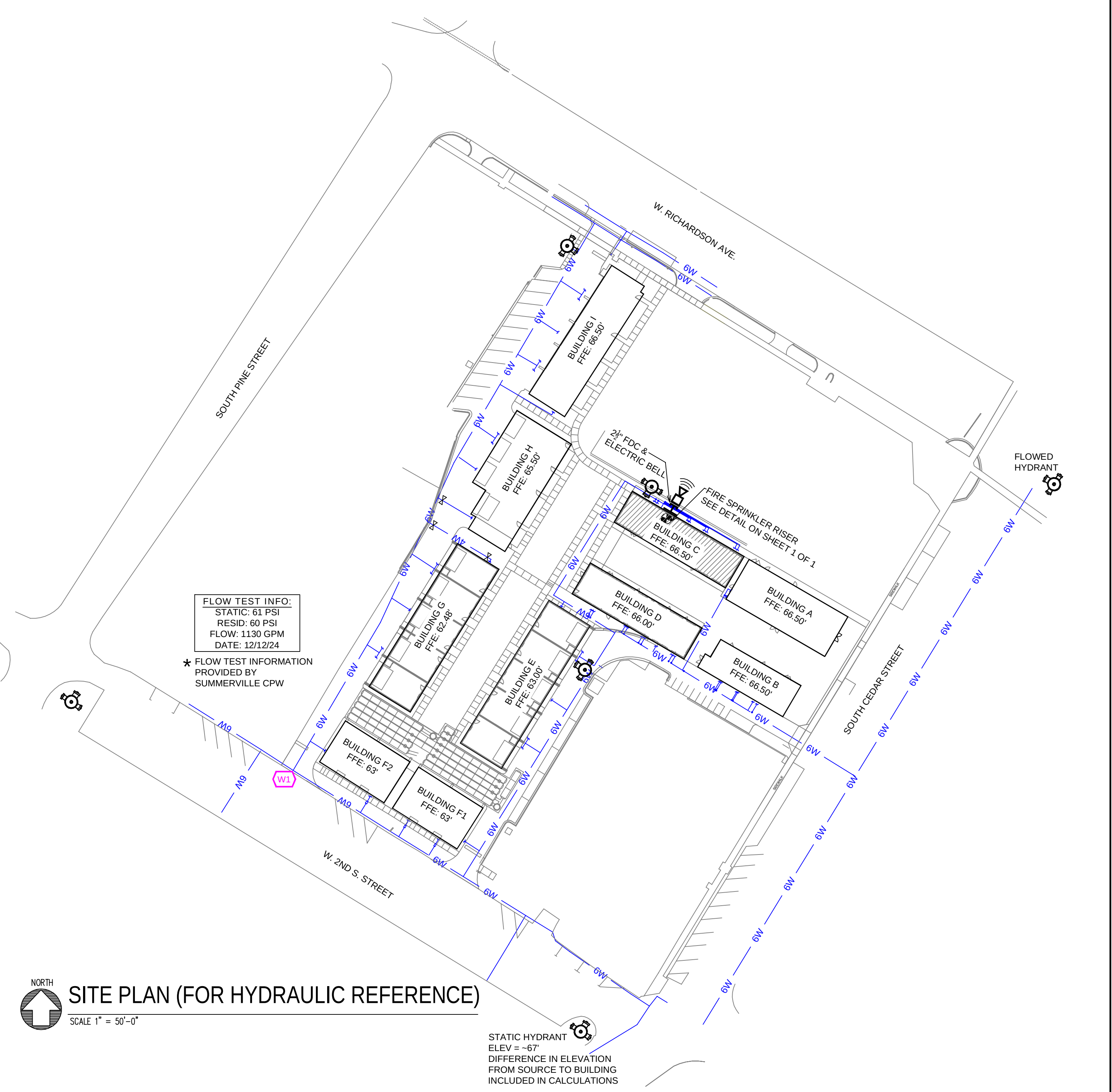


Figure 2. Example of lateral brace providing longitudinal brace for CPVC.

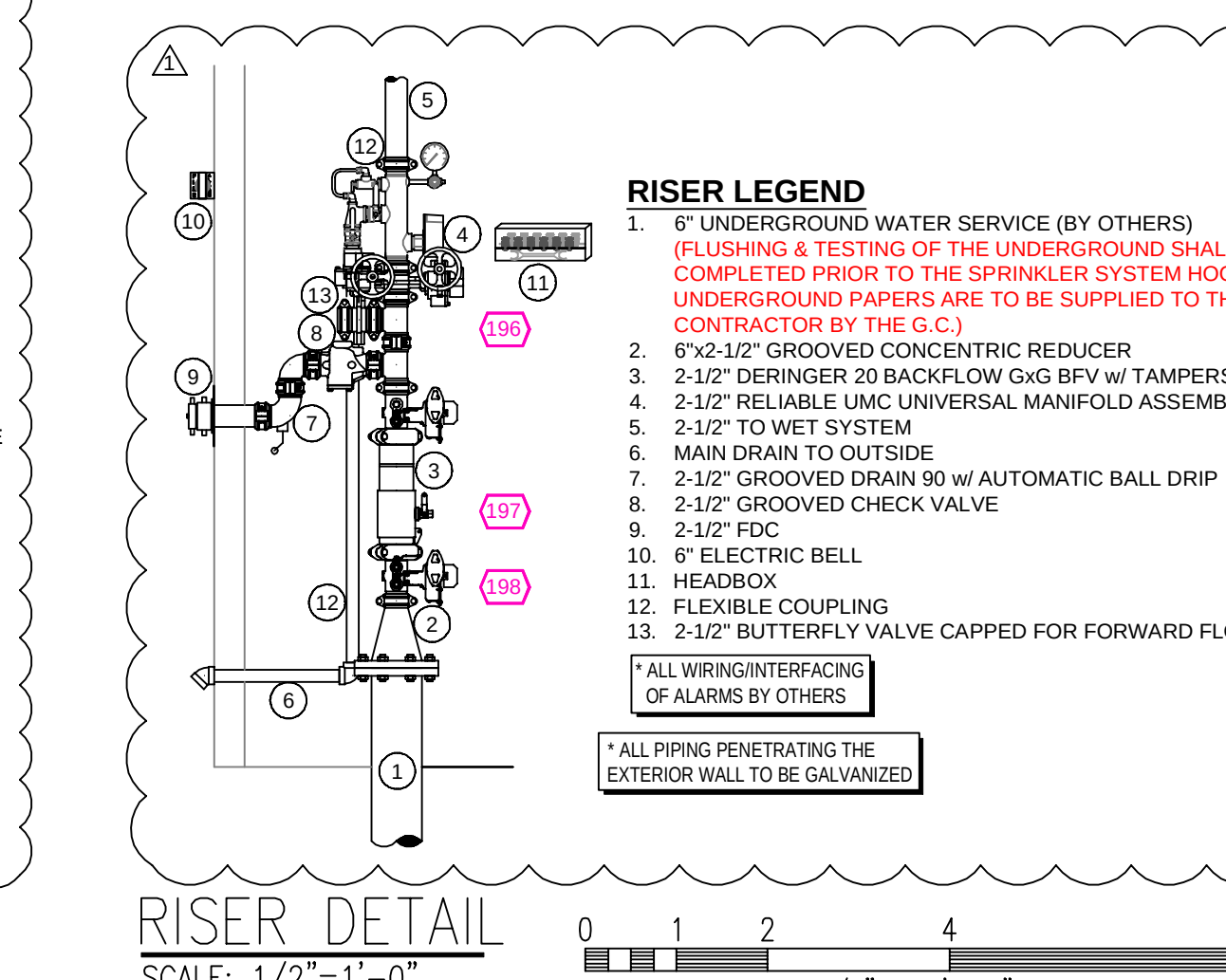


MANUAL DRY STANDPIPE

LOCATION: STAIRS
 FLOW: 1000 GPM
 OUTLET PSI: 100
 REQUIRED INLET PSI: 135.6
 VOLUME: 58.49 GAL

NFPA 13 STEEL PIPE HANGER SPACING
 (EXCEPT LIGHT WALL THRD PIPING)

NOMINAL SIZE inches	MAX SPACING feet
1"	12'-0"
1-1/4"	12'-0"
1-1/2"	15'-0"
2"	15'-0"
2-1/2"	15'-0"
3"	15'-0"
4" & LARGER	15'-0"



- GENERAL NOTES**
- SOUTH CAROLINA BUILDING CODE (2021)
 - OCCUPANCY: B & R-2
 - TYPE OF CONSTRUCTION: V-B (UNPROTECTED, COMBUSTIBLE)
 - SPRINKLERED AREAS (APPROXIMATE - SEE ARCHITECTURAL PLANS FOR ACTUAL)
 - FIRST FLOOR = 2185 S.F.
 - SECOND FLOOR = 2558 S.F.
 - THIRD FLOOR = 2558 S.F.
 - FOURTH FLOOR = 2558 S.F.
 - TOTAL = 8959 S.F.
 - INSTALLATION STANDARDS: SPRINKLER SYSTEM DESIGNED AND INSTALLED PER NFPA-13 & NFPA-14 (2019)
 - SPRINKLERED PIPING TYPES:
 - RESIDENTIAL SPACE
 - 1" BRANCH LINES TO BE BLAZEMASTER CPVC PIPING WITH CEMENTED FITTINGS
 - 1-1/4" THROUGH 1-1/2" MAIN & BRANCH LINES TO BE BLAZEMASTER CPVC PIPING WITH CEMENTED FITTINGS
 - 2" BRANCH LINES TO BE BLK SCH 40 PIPING WITH THREADED FITTINGS
 - 3" THROUGH 2-1/2" MAIN & BRANCH LINES TO BE BLK SCH 10 PIPING WITH SHORT RADIUS GROOVED FITTINGS
 - DESIGN CRITERIA
 - RETAL SPACE DESIGNED TO ORDINARY HAZARD GROUP II
 - RESIDENTIAL UNITS DESIGNED TO LIGHT HAZARD
 - REMOTE AREA REDUCTIONS HAVE BEEN TAKEN WHERE APPLICABLE PER NFPA 13 SEC. 19.3.2.3.1
 - NOTES:
 - ALL MATERIAL TO BE NEW AND MEET U.L. STANDARDS
 - HANGERS TO BE INSTALLED IN ACCORDANCE WITH NFPA 13 (2019) - SEE PLAN FOR HANGING REQUIREMENTS
 - SYMBOLS USED ON DRAWINGS:
 - 6" PIPE ELEVATION A.F.F
 - 12" PIPE ELEVATION BELOW B.O.D
 - OHIO ROOM HAZARD CLASSIFICATION (ALL ROOMS ARE CONSIDERED LIGHT HAZARD UNLESS NOTED)
 - HYDRAULIC CALCULATION JUNCTION POINT
 - CEILING HEIGHT
 - BRANCH LINE RESTRAINT
 - SCOPE OF WORK:
 - TO INSTALL A NEW WET SPRINKLER SYSTEM IN BONAIRE PARK BUILDING C. THE BUILDING HAS A RETAIL SPACE WITH RESIDENTIAL TOWNHOUSES. THE SYSTEM SHALL HAVE ONE ZONE COVERING THE ENTIRE BUILDING.
 - ALL AREAS OF THE BUILDING TO BE INSTALLED AND COVERED IN ACCORDANCE WITH THE LOCAL AUTHORITY HAVING JURISDICTION AND PER NFPA 13

SUBMITTAL

JOB No.	HR1262	Sprinkler Plan		FILE: BNAIR PARK BLDG C.dwg
DATE	9-8-25	BONAIRE PARK BLDG. C		SHEET No.
DESIGNER	DVG	200 SOUTH CEDAR STREET		1
SCALE	1/8" = 1'-0"	SUMMERVILLE, SOUTH CAROLINA		1
		ARNETT CONSTRUCTION		