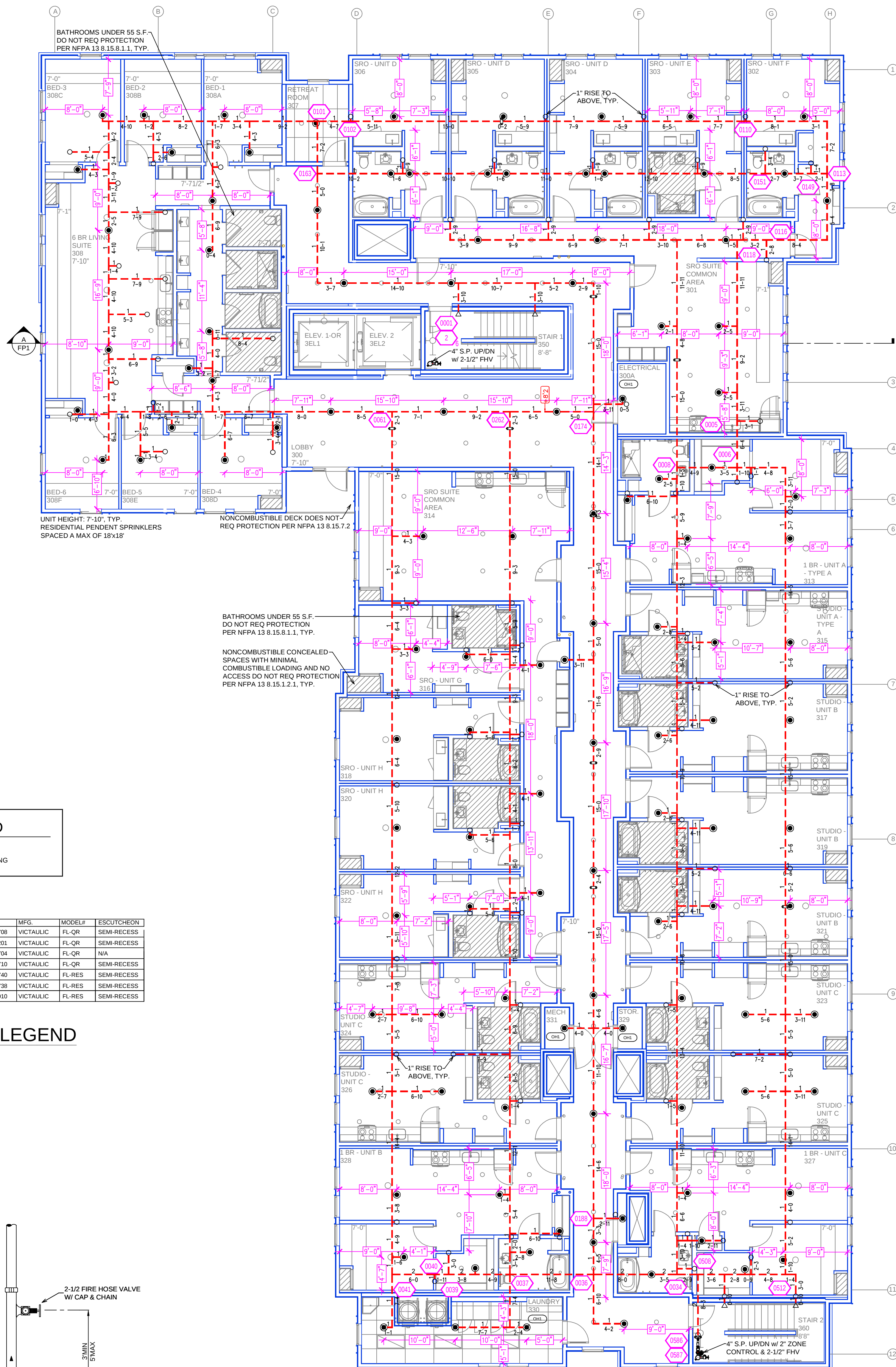
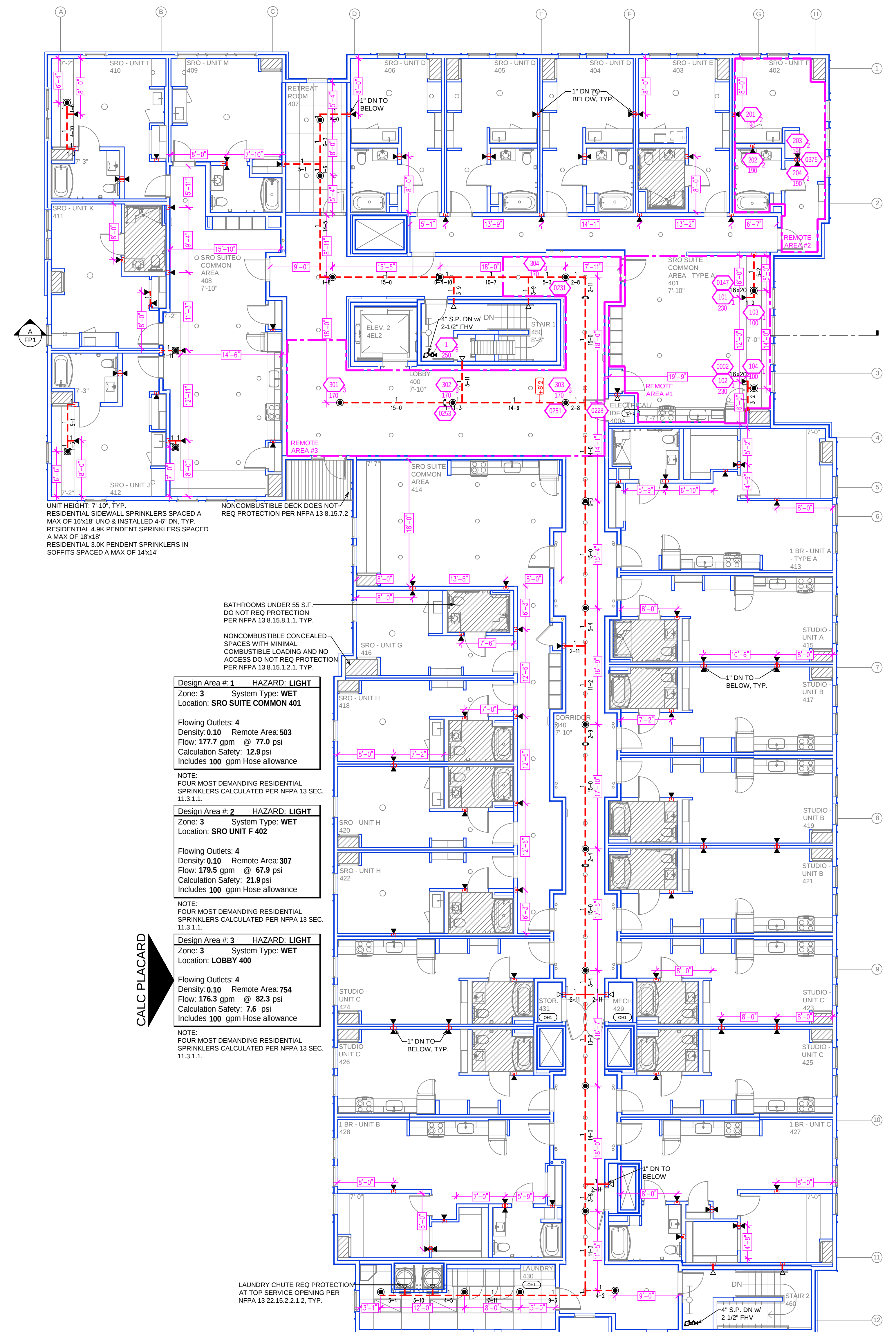




LEVEL 3 FIRE SPRINKLER PLAN
SCALE= 1/8" = 1'-0"



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

Design Area #1 HAZARD: LIGHT
Zone: 3 System Type: WET
Location: SRO SUITE COMMON 401
Flowing Outlets: 4
Density: 0.10 Remote Area: 503
Flow: 177.7 gpm @ 77.0 psi
Calculation Safety: 12.9 psi
Includes 100 gpm Hose allowance
NOTE: FOUR MOST DEMANDING RESIDENTIAL SPRINKLERS CALCULATED PER NFPA 13 SEC. 11.3.1.1.

Design Area #2 HAZARD: LIGHT
Zone: 3 System Type: WET
Location: SRO UNIT F 402
Flowing Outlets: 4
Density: 0.10 Remote Area: 307
Flow: 179.5 gpm @ 67.9 psi
Calculation Safety: 21.9 psi
Includes 100 gpm Hose allowance
NOTE: FOUR MOST DEMANDING RESIDENTIAL SPRINKLERS CALCULATED PER NFPA 13 SEC. 11.3.1.1.

Design Area #3 HAZARD: LIGHT
Zone: 3 System Type: WET
Location: LOBBY 400
Flowing Outlets: 4
Density: 0.10 Remote Area: 754
Flow: 176.3 gpm @ 82.3 psi
Calculation Safety: 7.6 psi
Includes 100 gpm Hose allowance
NOTE: FOUR MOST DEMANDING RESIDENTIAL SPRINKLERS CALCULATED PER NFPA 13 SEC. 11.3.1.1.

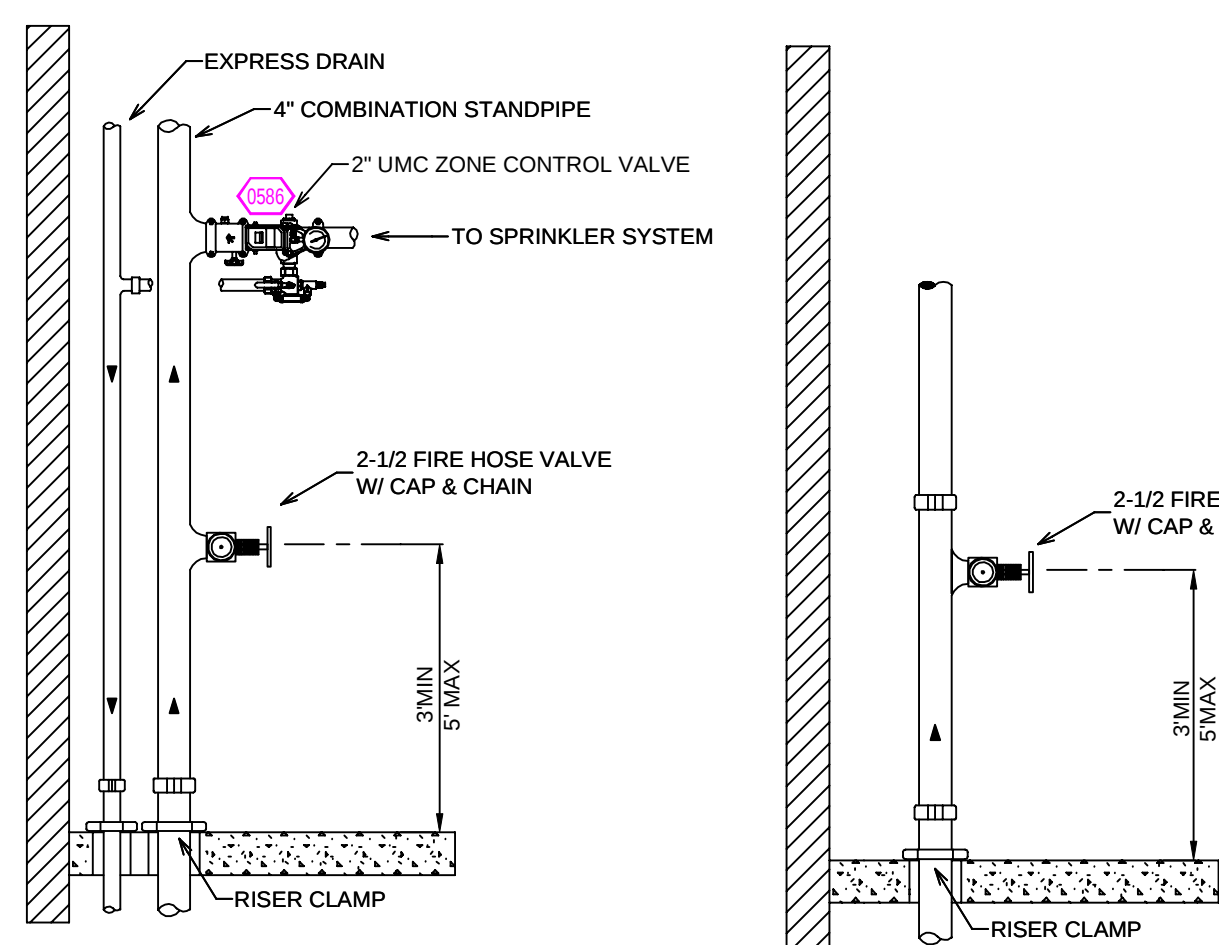
CALC PLACARD

PIPE LEGEND

—	BLACK STEEL PIPING
- - -	CPVC PIPING
- · - · -	STANDPIPE & FDC PIPING

SPRINKLER HEAD LEGEND

SYM	QNT	POSITION	FINISH	TEMP	K	NPT	SR	MFG	MODEL#	ESCUTCHEON
171	PENDENT	WHITE	200	5.60	1/2"	V2708	VICTAULIC	FL-QR	SEM-RECESS	
88	PENDENT	WHITE	200	4.20	1/2"	V4201	VICTAULIC	FL-QR	SEM-RECESS	
51	UPRIGHT	BRASS	200	5.60	1/2"	V2704	VICTAULIC	FL-QR	N/A	
31	SIDEWALL	WHITE	200	5.60	1/2"	V2710	VICTAULIC	FL-QR	SEM-RECESS	
127	PENDENT	WHITE	155	4.90	1/2"	V2740	VICTAULIC	FL-RES	SEM-RECESS	
182	SIDEWALL	WHITE	155	4.20	1/2"	V2738	VICTAULIC	FL-RES	SEM-RECESS	
6	PENDENT	WHITE	155	3.00	1/2"	V3010	VICTAULIC	FL-RES	SEM-RECESS	
576 TOTAL SPRINKLERS										



STAIR 2 SP SECTION SCALE: 1/2" = 1'-0"
STAIR 1 SP SECTION SCALE: 1/2" = 1'-0"

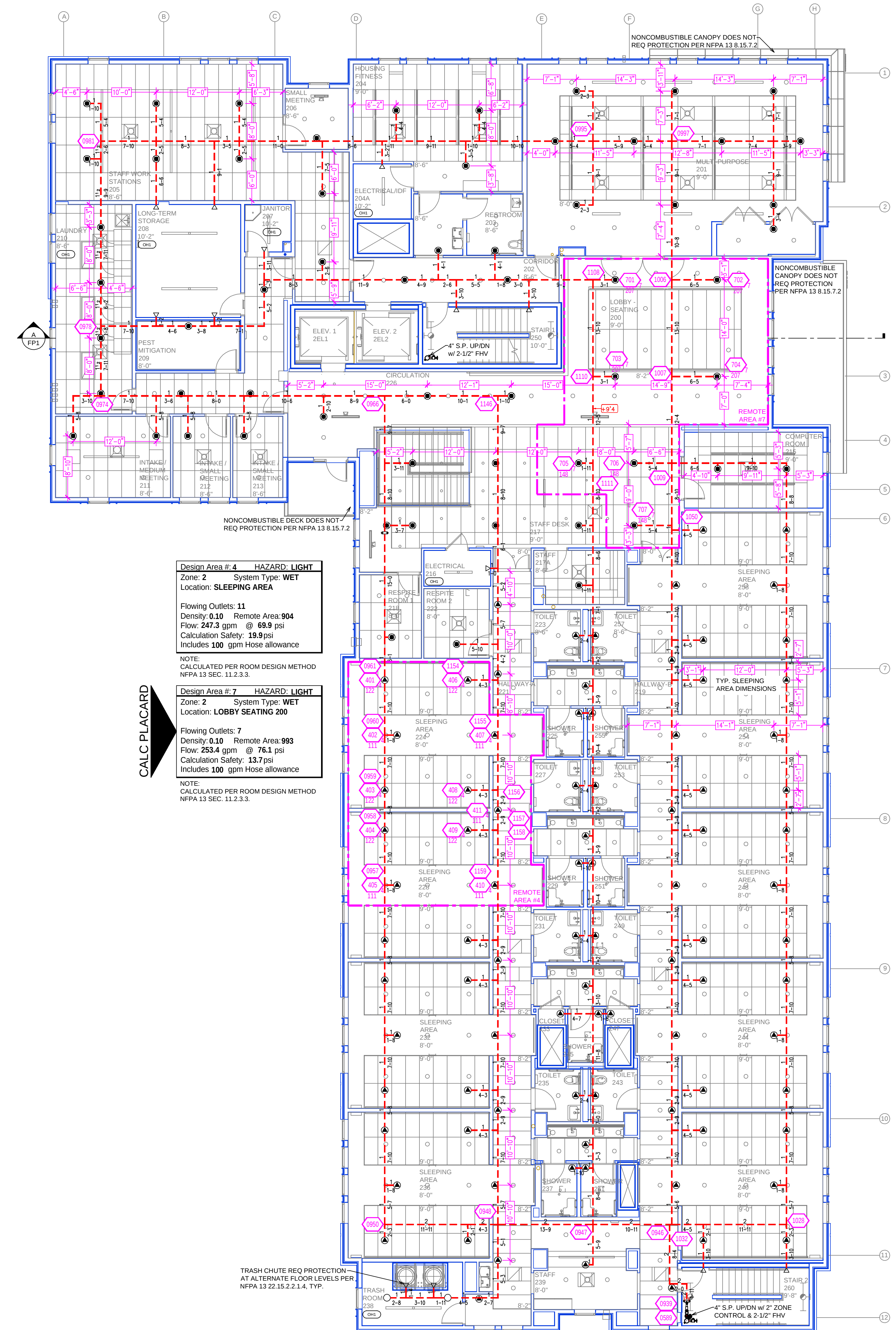
GENERAL NOTES

- SYSTEM INSTALLED PER NFPA-13 (2016 EDITION) AND STATE FIRE MARSHAL.
- ALL EQUIPMENT FOR THIS SYSTEM SHALL BE U.L. LISTED.
- MINIMUM PIPE SIZE SHALL BE 1" NOMINAL PIPE.
- ALL SCH-40 & LIGHTWALL PIPING HAS WELDED OUTLETS & GROOVED SHORT RADIUS FITTINGS.
- ALL WELDING PER NFPA-54 (2021).
- NO INSTALLATION OR FABRICATION TO BEGIN WITHOUT APPROVED SHOP DRAWINGS.
- ALL PIPE LOCATIONS ARE TO BE FIELD MEASURED PRIOR TO FABRICATION AND INSTALLATION BY SPRINKLER CONTRACTOR.
- ALL DIMENSIONS SHOWN ARE CENTER TO CENTER.
- HIGH TEMPERATURE HEADS ARE TO BE FIELD LOCATED WHERE REQUIRED.
- PROVIDE ON SPARE HEAD CABINET WITH HEADS & 1 HEAD WRENCH.
- HANGERS ARE TO BE U.L. LISTED AND F.M. APPROVED.
- ELECTRICAL WIRING, ALARM, DETECTION AND SUPERVISORY BY OWNER.
- OWNER'S RESPONSIBILITY TO PROVIDE ADEQUATE HEATING TO PREVENT WET SYSTEM PIPING FROM FREEZING.

NO	REVISIONS	DATE	APPROVAL STAMPS

Drawing Title:	FIRE PROTECTION PLAN	Contract No.:	C24-48
Drawing Date:	11/25/2024	Drawing By:	DVG
Scale:	1/8" = 1'-0"	Approval By:	STATE FIRE MARSHAL DIV.
SHEET NO.:	FP 3 of 3		

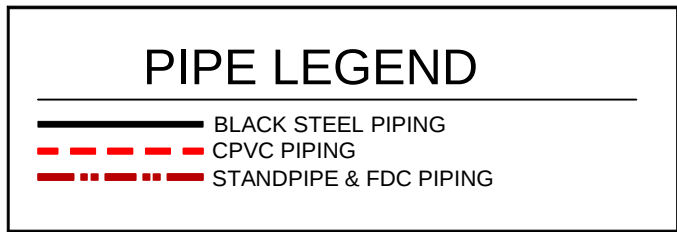
**AGATE
SHELTER HOUSING**
2810 27TH AVE SOUTH
MINNEAPOLIS, MN 55406



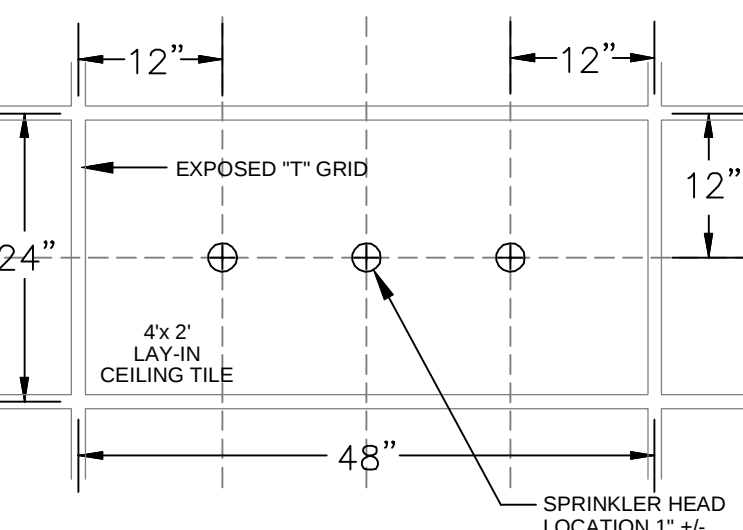
 **LEVEL 2 FIRE SPRINKLER PLAN**
SCALE= 1/8" : 1'-0"

	GENERAL NOTES	NO	REVISIONS	DATE	APPROVAL STAMPS	Drawing Title: FIRE PROTECTION PLAN AGATE SHELTER HOUSING 2810 27TH AVE SOUTH MINNEAPOLIS, MN 55406 Contract No. C24-48 Drawing Date: 11/25/2024 Scale: 1/8" = 1'-0" Drawn By: DVG Approval By: STATE FIRE MARSHAL DIV. SHEET NO. FP 2 of 3	
	1. SYSTEM INSTALLED PER NFPA-13 (2016 EDITION) AND STATE FIRE MARSHAL						
	2. ALL EQUIPMENT FOR THIS SYSTEM SHALL BE U.L. LISTED						
	3. MINIMUM PIPE SIZE SHALL BE 1" NOMINAL PIPE						
	4. ALL SCH 40 S. LIGHTWALL PIPING HAS WELDED OUTLETS & GROOVED SHORT RADIUS FITTINGS						
	5. ALL WELDING PER NFPA 332 (2-3)						
6. NO INSTALLATION OF FABRICATION TO BEGIN WITHOUT APPROVED SHOP DRAWINGS							
7. ALL PIPE LOCATIONS ARE TO BE FIELD MEASURED PRIOR TO FABRICATOR AND INSTALLATION BY SPRINKLER CONTRACTOR							
8. ALL DIMENSIONS SHOWN ARE CENTER TO CENTER							
9. HIGH TEMPERATURE HEADS ARE TO BE FIELD LOCATED WHERE REQUIRED							
10. PROVIDE ON SPARE HEAD CABINET WITH HEADS & 1 HEAD WRENCH							
11. HANGERS ARE TO BE U.L. LISTED AND E.M. APPROVED							
12. ELECTRICAL WIRING, ALARM, DETECTION AND SUPERVISORY BY OWNER							
13. OWNER'S RESPONSIBILITY TO PROVIDE ADEQUATE HEATING TO PREVENT WET SYSTEM PIPING FROM FREEZING.							

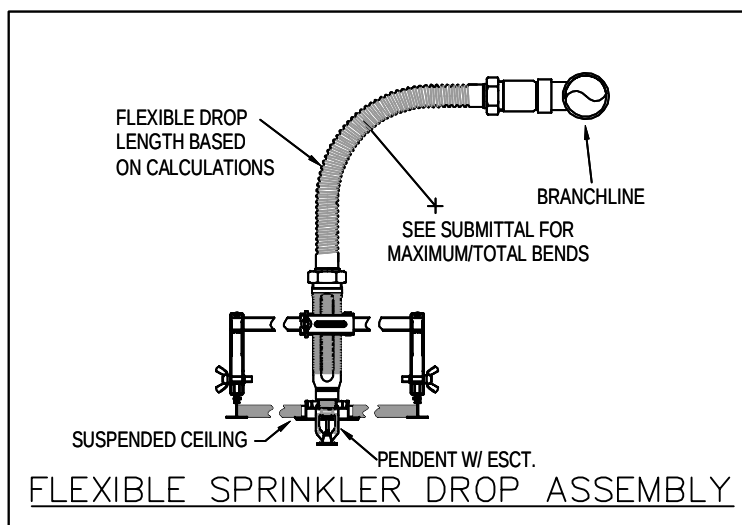
NFPA 13 CPVC PIPE HANGER SPACING	
NOMINAL SIZE inches	MAX SPACING feet
3/4"	5'-6"
1"	6'-0"
1-1/4"	6'-6"
1-1/2"	7'-0"
2"	8'-0"
2-1/2"	9'-0"
3"	10'-0"



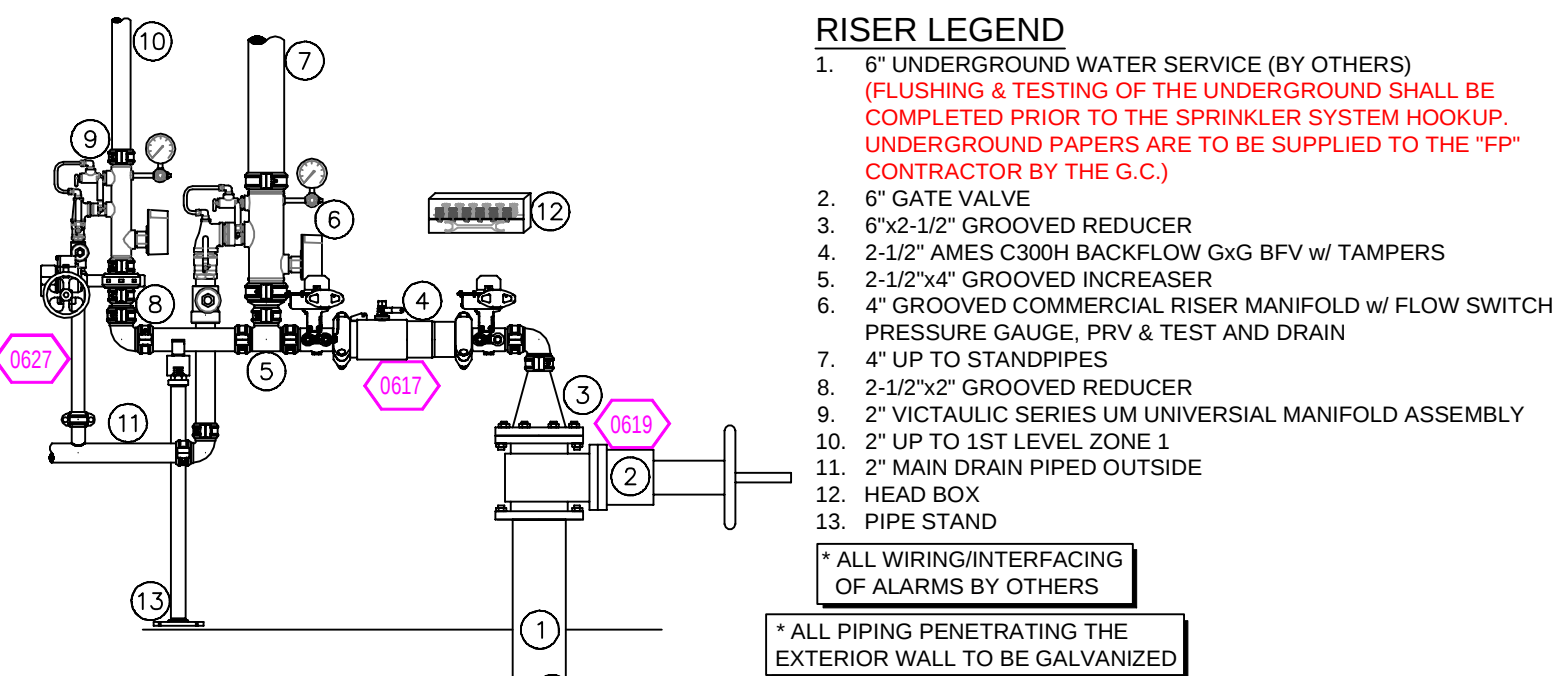
SPRINKLER HEAD LEGEND



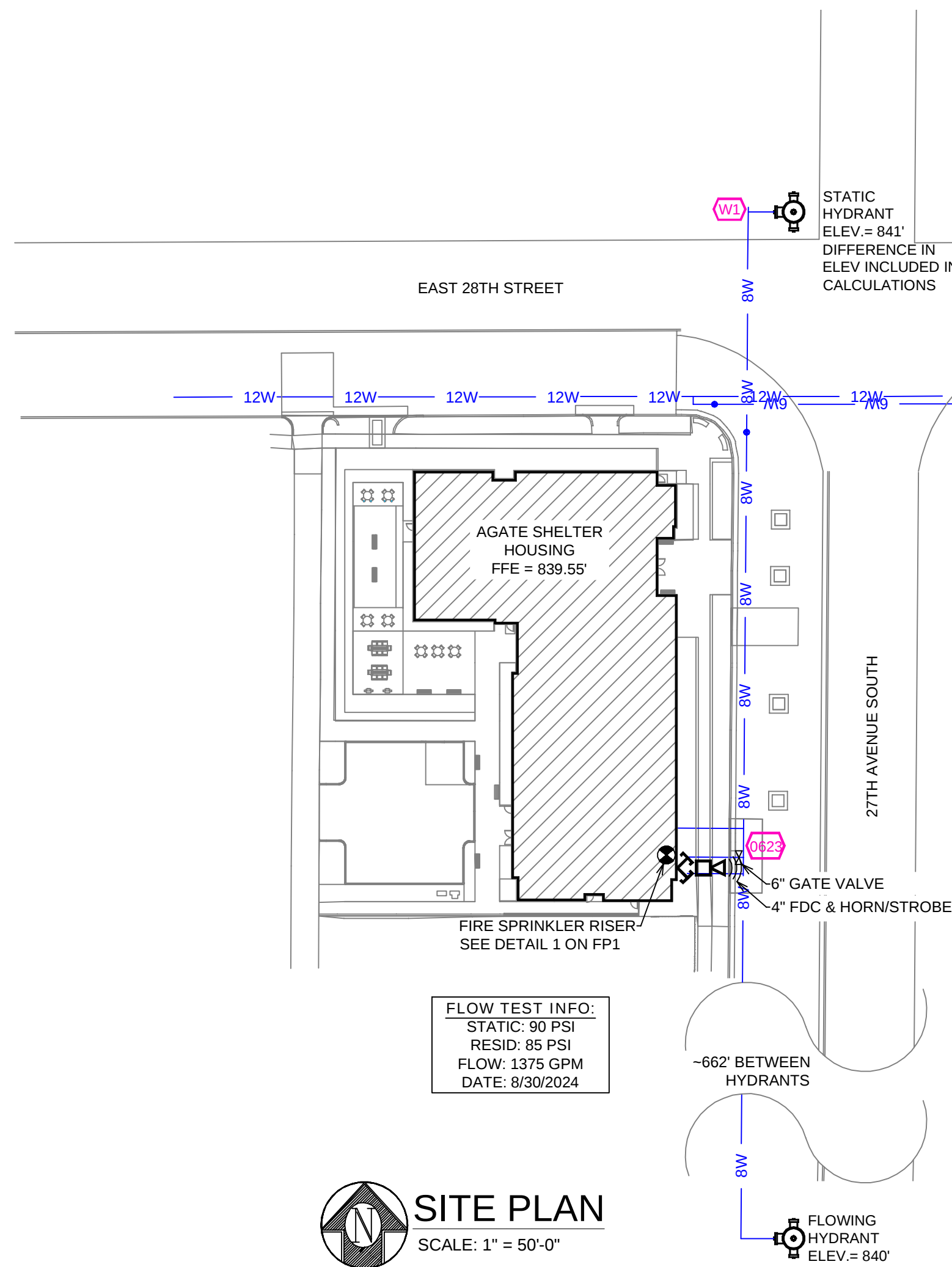
TYP. 4'X2' CENTER OF TILE
SPRINKLER HEAD DETAIL
N.T.S.



© STAIR 1 SP SECTION
SCALE: $\frac{1}{2}" = 1'-0"$



1 RISER DETAIL



 **SITE PLAN**
SCALE: 1" = 50'-0"

A BUILDING SECTION
SCALE= 1/8" : 1'-0"

[illegible]

Drawing Title: AGATE SHELTER HOUSING 2810 27TH AVE SOUTH MINNEAPOLIS, MN 55406	Contract No. C24-48
	Drawing Date: 11/25/2024 Scale: 1/8" = 1'-0" Drawn By: DVS Approval By: STATE FIRE MARSHAL DIV. SHEET NO. FP 1 of 3