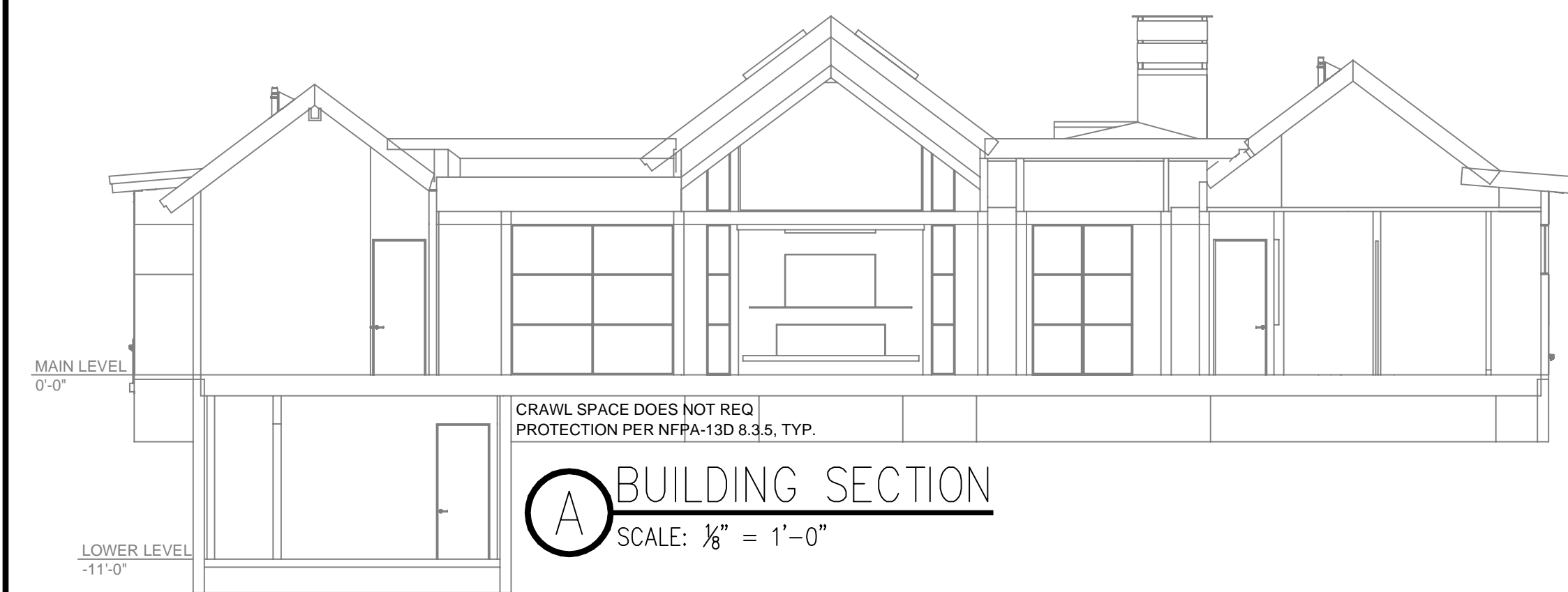
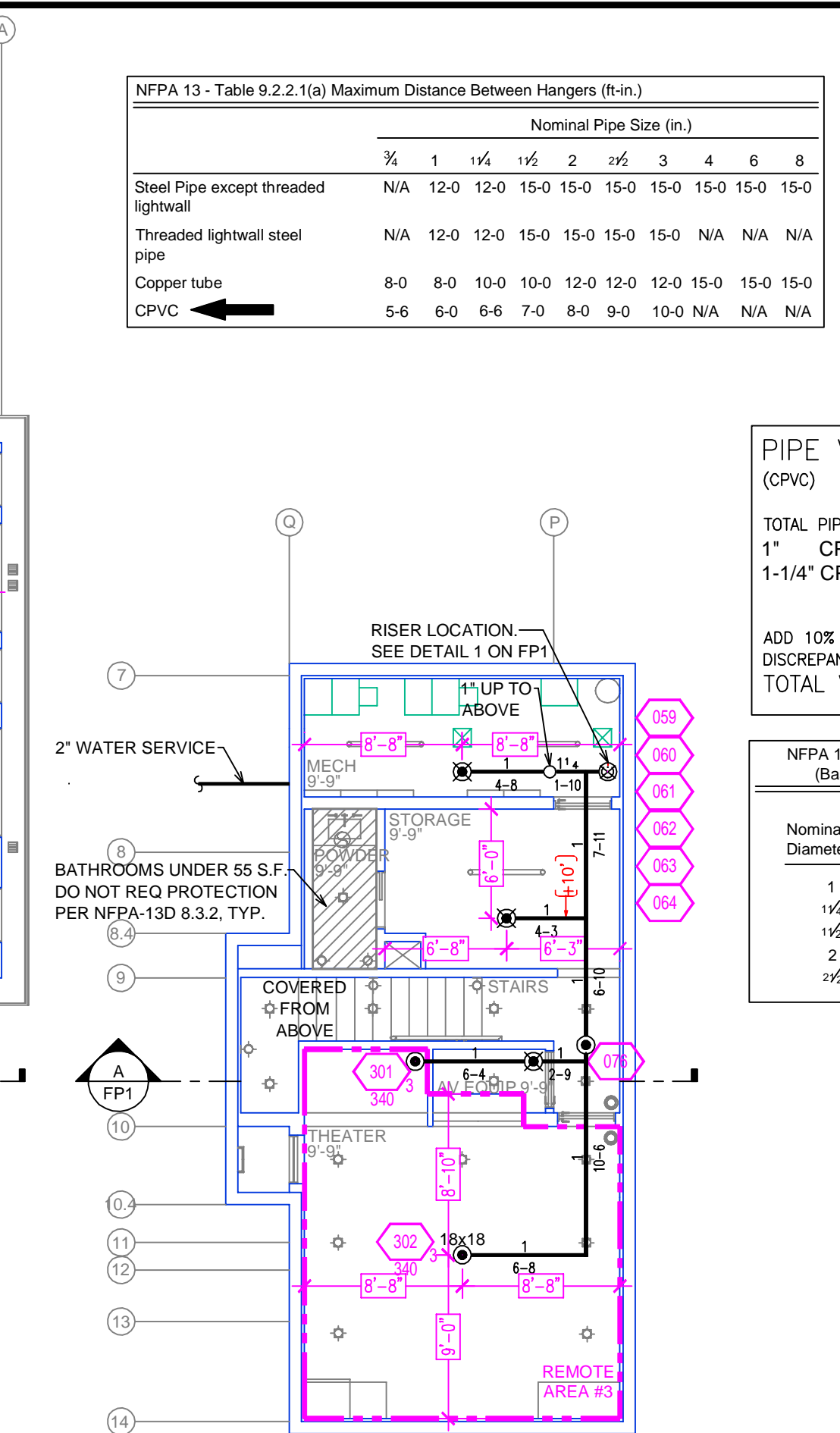


MAIN LEVEL FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

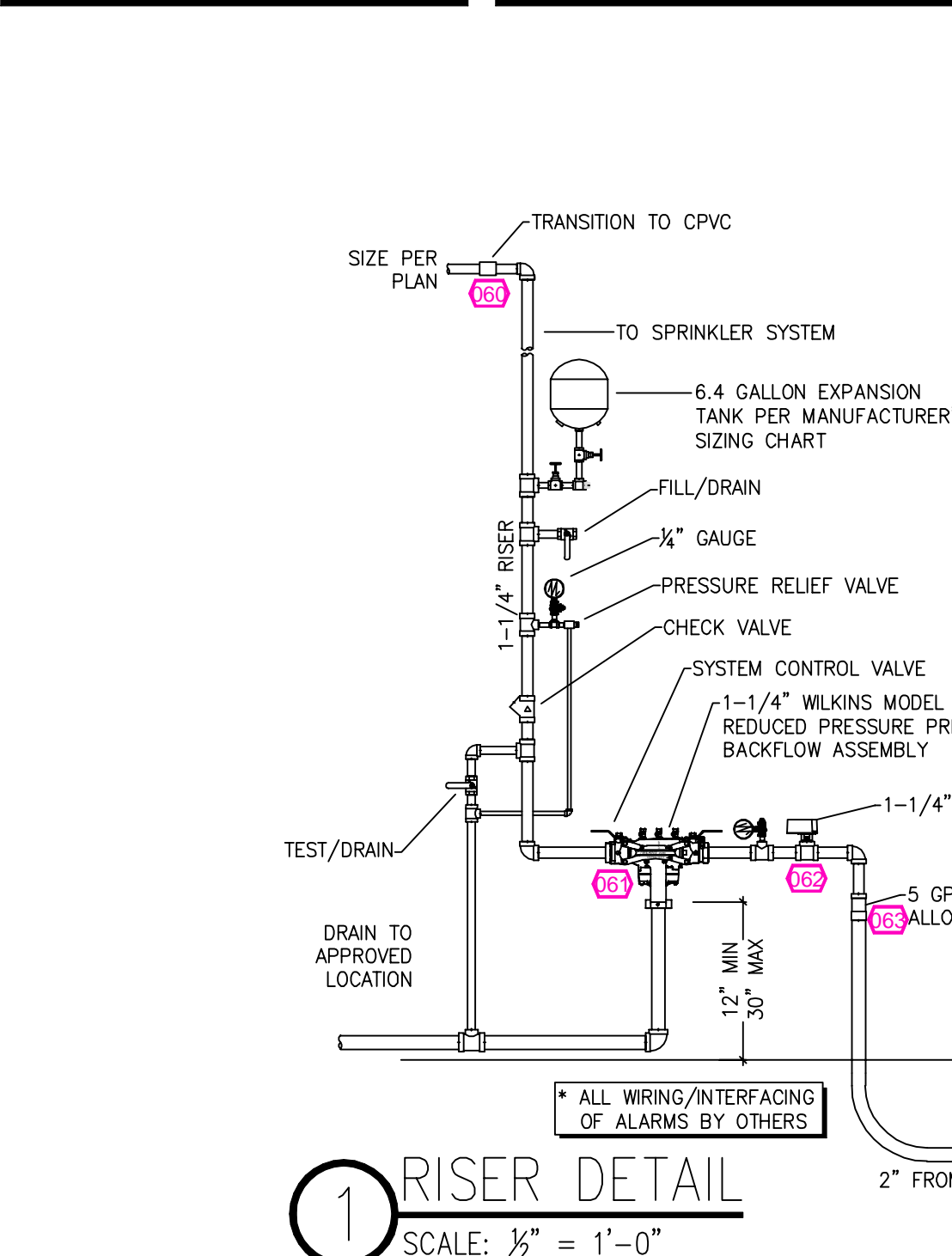


BUILDING SECTION
SCALE: 3/8" = 1'-0"

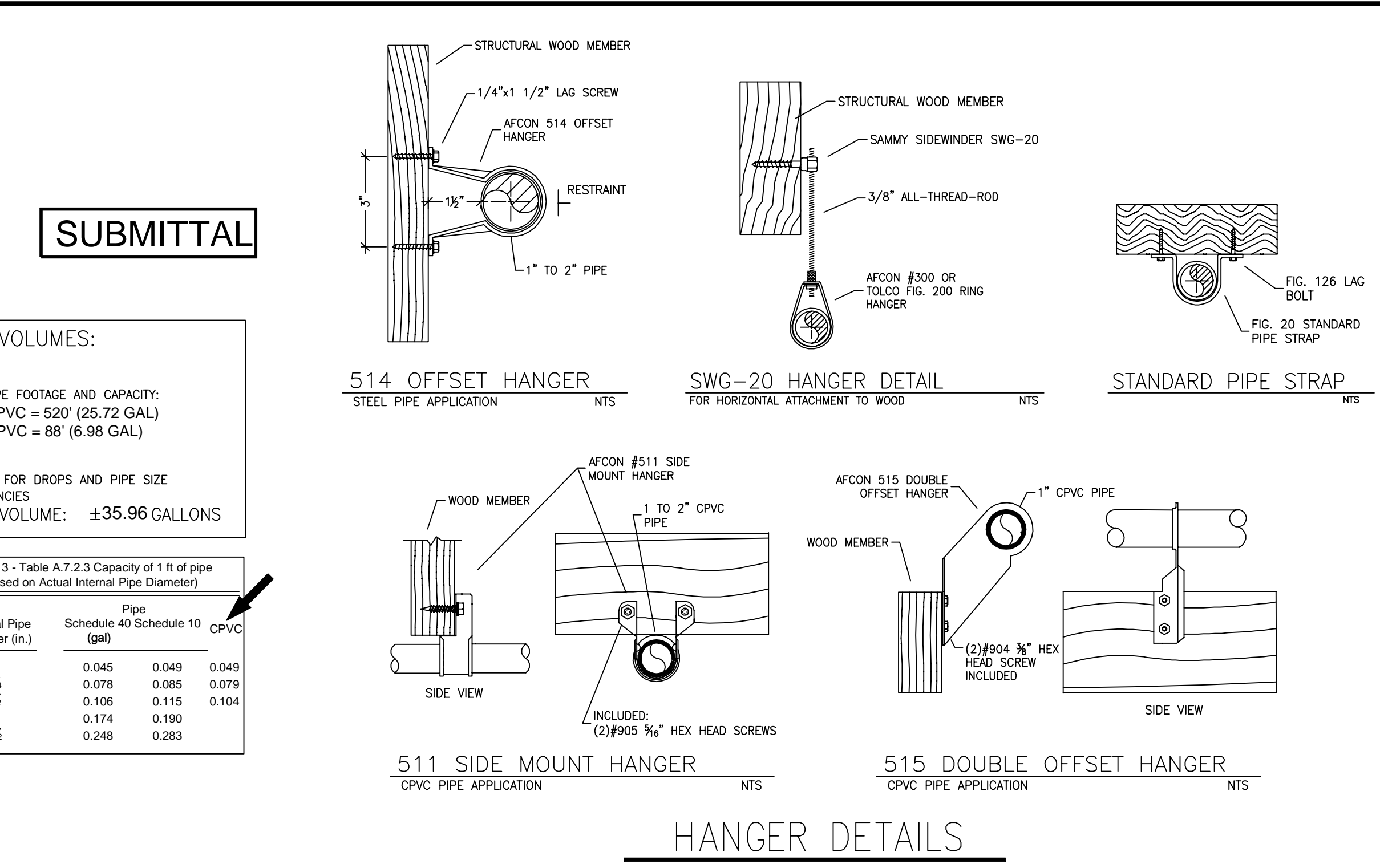


LOWER LEVEL FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

REMOTE AREA 1	REMOTE AREA 2	REMOTE AREA 3	REMOTE AREA 4
<p>Hydraulically Calculated System</p> <p>This system as shown on Fire Protection Plan company print no. <u>FP1</u> dated <u>3/21/2025</u> for <u>WETZEL/SAUTER RESIDENCE</u> at <u>SARAGE</u> contract no. <u> </u> is designed to discharge at a rate of <u>0.05</u> gpm (L/min) per sq ft (m²) of floor area over a maximum area of <u>NFPA 13D - 3 SPRINKLERS</u> sq ft (m²) when supplied with water at the rate of <u>46.2</u> gpm (L/min) at <u>85.6</u> psi (bars) at the base of the riser. Hose stream allowance of <u>0</u> gpm (L/min) is included in the above.</p> <p>Occupancy classification <u>NFPA 13D - LIGHT</u> Commodity classification <u>N/A</u> Maximum storage height <u>N/A</u> Safety factor <u>5.4</u></p>	<p>Hydraulically Calculated System</p> <p>This system as shown on Fire Protection Plan company print no. <u>FP1</u> dated <u>3/21/2025</u> for <u>WETZEL/SAUTER RESIDENCE</u> at <u>K&D SUITE</u> contract no. <u> </u> is designed to discharge at a rate of <u>0.05</u> gpm (L/min) per sq ft (m²) of floor area over a maximum area of <u>NFPA 13D - 3 SPRINKLERS</u> sq ft (m²) when supplied with water at the rate of <u>46.8</u> gpm (L/min) at <u>79.6</u> psi (bars) at the base of the riser. Hose stream allowance of <u>0</u> gpm (L/min) is included in the above.</p> <p>Occupancy classification <u>NFPA 13D - LIGHT</u> Commodity classification <u>N/A</u> Maximum storage height <u>N/A</u> Safety factor <u>11.3</u></p>	<p>Hydraulically Calculated System</p> <p>This system as shown on Fire Protection Plan company print no. <u>FP1</u> dated <u>3/21/2025</u> for <u>WETZEL/SAUTER RESIDENCE</u> at <u>THEATER</u> contract no. <u> </u> is designed to discharge at a rate of <u>0.05</u> gpm (L/min) per sq ft (m²) of floor area over a maximum area of <u>NFPA 13D - 2 SPRINKLERS</u> sq ft (m²) when supplied with water at the rate of <u>39.3</u> gpm (L/min) at <u>45.9</u> psi (bars) at the base of the riser. Hose stream allowance of <u>0</u> gpm (L/min) is included in the above.</p> <p>Occupancy classification <u>NFPA 13D - LIGHT</u> Commodity classification <u>N/A</u> Maximum storage height <u>N/A</u> Safety factor <u>45.1</u></p>	<p>Hydraulically Calculated System</p> <p>This system as shown on Fire Protection Plan company print no. <u>FP1</u> dated <u>3/21/2025</u> for <u>WETZEL/SAUTER RESIDENCE</u> at <u>BATH</u> contract no. <u> </u> is designed to discharge at a rate of <u>0.05</u> gpm (L/min) per sq ft (m²) of floor area over a maximum area of <u>NFPA 13D - 1 SPRINKLER</u> sq ft (m²) when supplied with water at the rate of <u>22.0</u> gpm (L/min) at <u>38.0</u> psi (bars) at the base of the riser. Hose stream allowance of <u>0</u> gpm (L/min) is included in the above.</p> <p>Occupancy classification <u>NFPA 13D - LIGHT</u> Commodity classification <u>N/A</u> Maximum storage height <u>N/A</u> Safety factor <u>52.9</u></p>



1 RISER DETAIL
SCALE: 1/2" = 1'-0"



SPRINKLER HEAT ZONES:			
HEAT SOURCE:	ORDINARY TEMP SPRINKLER	INTERMEDIATE TEMP SPRINKLER	
SIDE OF OPEN OR RECESSED FIRE PLACE	36"	12"	
FRONT OF RECESSED FIRE PLACE	60"	36"	
COAL OR WOOD BURNING STOVE	42"	12"	
RANGE/OVEN, HOT AIR FLUES & UNINSULATED HEAT DUCT	18"	9"	
UNINSULATED HOT WATER PIPES & 250-499 WATT LIGHTS	12"	6"	
SIDE OF CEILING OR WALL MOUNTED HOT AIR DIFFUSERS	24"	12"	
FRONT OF WALL MOUNTED HOT AIR DIFFUSERS	36"	18"	
HOT WATER HEATER, FURNACE, LIGHT FIXTURE	6"	3"	

PROJECT SQUARE FOOTAGES			
LOWER LEVEL = 620 SF			
MAIN LEVEL = 4943 SF			

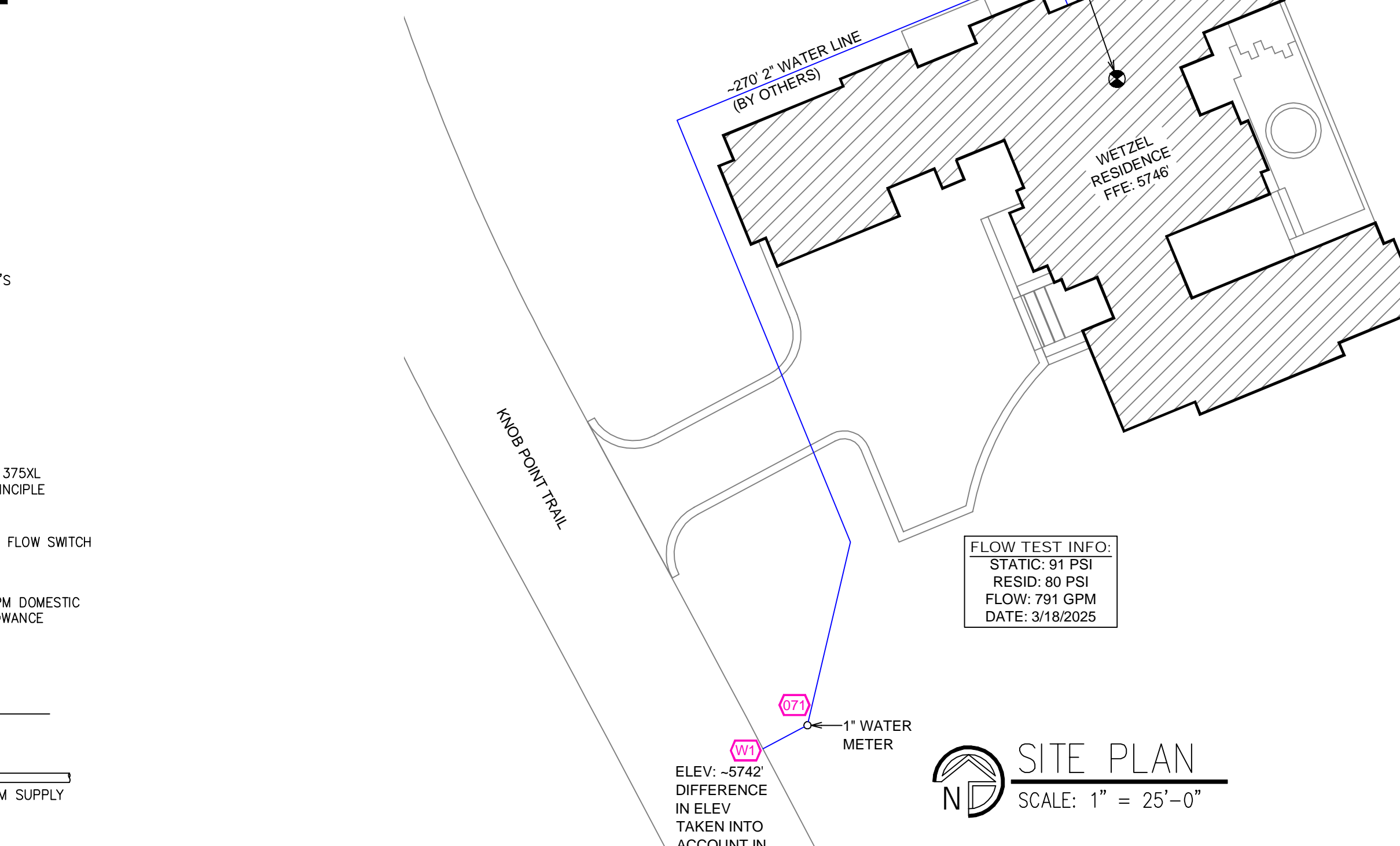
PROJECT SUMMARY:

PROJECT NAME: WETZEL/SAUTER RESIDENCE
PROJECT ADDRESS: 3544 KNOB POINT TRAIL, CARSON CITY, NV 89705
APN: 1419-09-001-084
PROJECT TYPE: ☒ NEW ☐ T.I.
TYPE OF CONSTRUCTION: V
OCCUPANCY GROUP(S): R3
OCCUPIED LEVELS: 2
TOTAL SPRINKLERED AREA: 5563 SQ. FT.
NFPA CODE REQUIREMENT: ☐ NFPA 13 ☐ NFPA 13R ☒ NFPA 13D
NUMBER OF SYSTEMS: 1
SYSTEM TYPE(S): ☒ WET ☒ ANTI-FREEZE ☐ DRY ☐ PREACTION
TOTAL SPRINKLERS: 72
SPECIAL NOTES: SEE FIRE SPRINKLER NOTES THIS SHEET

SPRINKLER SPACING

- A SINGLE PENDENT SPRINKLER MAY BE SPACED AT A MAXIMUM OF 18'x18' (324 SQ. FT.) OR UP TO 9' OFF A WALL (MINIMUM 8'-0" BETWEEN SPRINKLERS)
- TWO OR MORE HEADS IN A COMPARTMENT SHALL BE SPACED AT A MAXIMUM OF 16'x16' (256 SQ. FT.) OR UP TO 8' OFF A WALL U.N.O. (MINIMUM 8'-0" BETWEEN SPRINKLERS)
- SPRINKLERS SHALL BE MEASURED AT PERPENDICULAR ANGLES TO WALLS AND ALONG THE SLOPES OF CEILINGS.

THIS FIRE SPRINKLER SYSTEM UTILIZES THE NOBLE COMPANY FIREFIGHTER ELIMINATOR ANTI-FREEZE SOLUTION



SITE PLAN
SCALE: 1" = 25'-0"

NO. DATE		REVISIONS		DRAWN CHECKED					
GENERAL CONTRACTOR: <u>AUTHORITY HAVING JURISDICTION:</u> <u>CARSON CITY FIRE DEPT</u>									
ADDRESS: <u>777 SOUTH STEWART ST</u>									
CITY: <u>CARSON CITY, NV 89701</u>									
PHONE: <u>775-887-2210</u>									
CONTACT: <u> </u>									
ARCHITECT: <u>FIELD INSPECTIONS:</u>									
1. <u> </u>									
2. <u> </u>									
3. <u> </u>									
4. <u> </u>									
FIRE SPRINKLER NOTES:									
1. THE PROPOSED FIRE SPRINKLER SYSTEM IS AN ANTI-FREEZE SYSTEM AND SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13D 2019 AND THE AUTHORITY HAVING JURISDICTION.									
2. THIS SPRINKLER SYSTEM IS HYDRAULICALLY CALCULATED IN ACCORDANCE WITH NFPA 13D TO PROVIDE 0.05 GPM PER SQ. FT. OVER THE MOST REMOTE AREA.									
3. THE NUMBER OF DESIGN SPRINKLERS SHALL INCLUDE ALL SPRINKLERS WITHIN A COMPARTMENT UP TO A MAXIMUM OF 2 SPRINKLERS.									
4. FOR SLOPED CEILINGS EXCEEDING 8:12 THE NUMBER OF DESIGN SPRINKLERS SHALL BE INCREASED TO INCLUDE 3 SPRINKLERS IN A COMPARTMENT.									
5. ALL SPRINKLER PIPING CONCEALED ABOVE CEILINGS SHALL BE CPVC PIPING UNLESS OTHERWISE NOTED.									
6. ALL DIMENSIONS SHOWN ARE CENTER TO CENTER U.O.N.									
7. ALL HANGERS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13D AND/OR NFPA 13 REQUIREMENTS.									
8. HOLES THROUGH SOLID STRUCTURAL MEMBERS SHALL BE PERMITTED TO SERVE AS HANGERS FOR THE SUPPORT OF SYSTEM PIPING.									
9. ALL SYSTEM PIPING SHALL BE TESTED FOR LEAKAGE AT NORMAL SYSTEM OPERATING PRESSURE.									
10. THE OWNER SHALL BE RESPONSIBLE FOR MAINTAINING A MINIMUM TEMPERATURE OF 40° FAHRENHEIT TO PROTECT FROM FREEZING, THE SECTIONS OF THE SPRINKLER SYSTEM WHERE THERE IS NO ANTI-FREEZE IN THE PIPING (UPSTREAM OF THE RISER).									
SPRINKLER HEAD LEGEND									
SYM	QTY	TYPE	MFG.	MODEL#	NPT	K	TEMP	FINISH	S.I.N.
⊗	59	CONCEALED	SEN-J	RC-RES	1/2"	4.9	162	WHITE	SS8464
⊗	5	CONCEALED	SEN-J	RC-RES	1/2"	4.9	205	WHITE	SS8464
⊗	8	SEMI-RECESS	SEN-J	FR-RES	1/2"	4.9	205	WHITE	SS4451
72 TOTAL SPRINKLERS ON THIS SHEET									
FIRE SPRINKLER SYMBOLS									
⊗	AUTOMATIC SPRINKLER RISER								*13" ELEV. BELOW DECK OR TOS
⊕	EARTHQUAKE BRACING								*12"-9" ELEV. ABOVE FINISHED FLOOR
⊕	2-WAY & 4-WAY								— CHANGE ELEVATION UP
⊕	PIPE HANGER & TYPE DESIGNATION								— CHANGE ELEVATION DN
⊕	HYDRAULIC REF PT								— INSPECTORS TEST
⊕	GRVD OR THRD CAP								— AUX DRAIN
⊕	GRVD COUPLING								— REVISION NOTATION
⊕	TYPICAL POINT OF CONNECTION (POC)								— LOCAL ALARM
SITE LOCATION									
PROJECT NAME: <u>FIRE SPRINKLER PLANS FOR</u>									
WETZEL/SAUTER RESIDENCE									
<u>3544 KNOB POINT TRAIL, CARSON CITY, NV 89705</u>									
STAMP:									
DRAWING TITLE: FIRE SPRINKLER PLAN									
SCALE: <u>1/8"=1'-0"</u>					JOB NO.: <u> </u>				
DRAWN BY: <u> </u>					DWG NO.: <u> </u>				
BORN ON DATE: <u>3/21/2025</u>					FP-1				
FILE: <u> </u>					SHEET <u>1</u> OF <u>1</u>				