



BUILDING ELEVATION

SCALE: $\frac{1}{8}" = 1'-0"$

SUBMITTAL

NO SPRINKLERS REQUIRED IN:
BATHROOMS 55 SQ.FT. OR LESS IN AREA
PER NFPA 13D SECTION 8.6.2
CLOSETS 24 SQ.FT. OR LESS IN AREA
PER NFPA 13D SECTION 8.6.3

PROJECT SQUARE FOOTAGES

LOWER LEVEL = 4348 S.F.
MAIN LEVEL = 4510 S.F.
UPPER LEVEL = 999 S.F.

SPRINKLER SPACING

- A SINGLE PENDENT SPRINKLER MAY BE SPACED AT A MAXIMUM OF 20'x20' (400SQ. FT.) OR UP TO 10' OFF A WALL (MINIMUM 8'-0" BETWEEN SPRINKLERS)
- TWO OR MORE HEADS IN A COMPARTMENT SHALL BE SPACED AT A MAXIMUM OF 18'x18' (324SQ. FT.) OR UP TO 9' OFF A WALL (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

NFPA 13 - Table 9.2.2.1(a) Maximum Distance Between Hangers (ft-in.)										
	Nominal Pipe Size (in.)									
	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3	4	6	8
Steel Pipe except threaded	N/A	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0
lightwall										
Threaded lightwall steel pipe	N/A	12-0	12-0	15-0	15-0	15-0	15-0	N/A	N/A	N/A
Copper tube	8-0	8-0	10-0	10-0	12-0	12-0	15-0	15-0	15-0	15-0
CPVC	5-6	6-0	6-6	7-0	8-0	9-0	10-0	N/A	N/A	N/A

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 0-250 WATT	6"	3"

PROJECT SUMMARY:

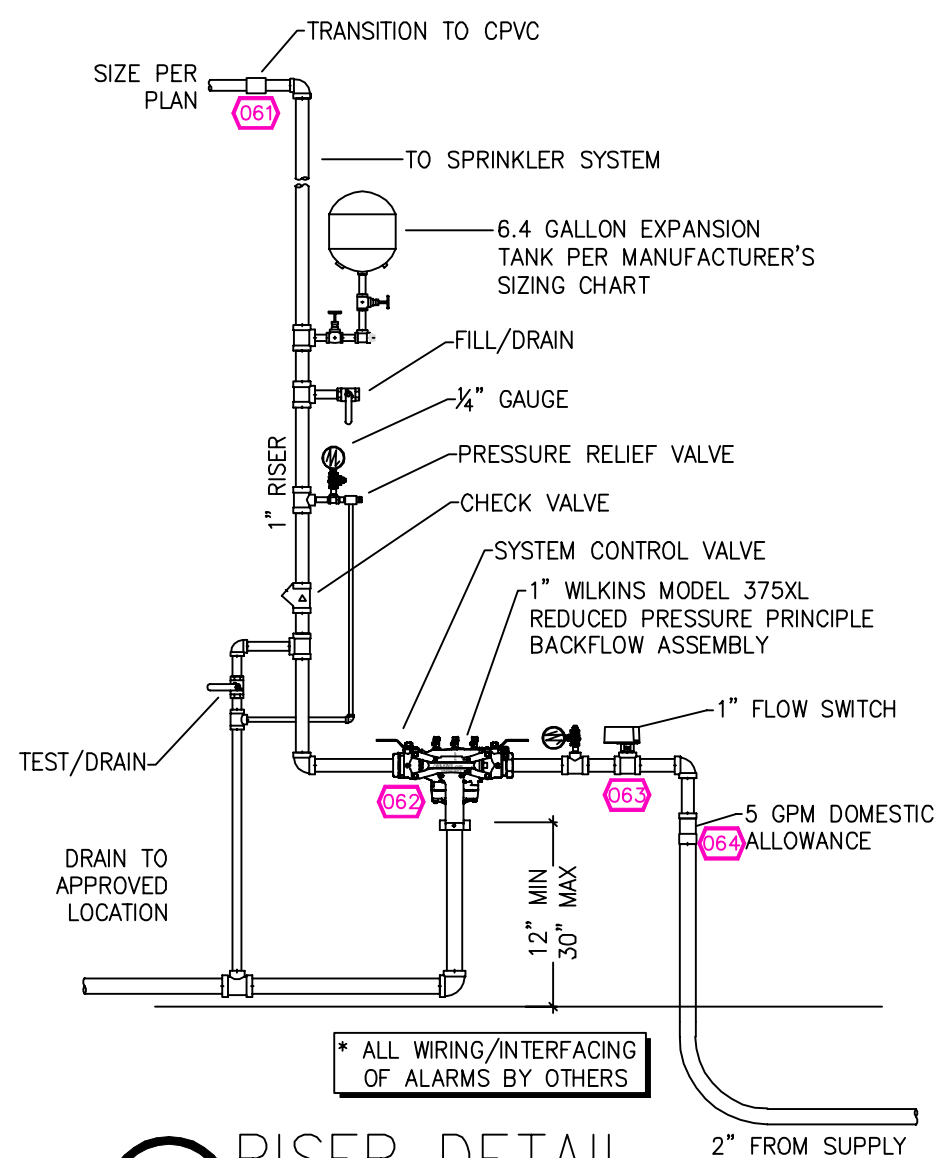
PROJECT NAME: 191 SCENIC RANGE CT
PROJECT ADDRESS: 191 SCENIC RANGE CT, CARSON CITY, NV 89705
APN: 1419-90-001-026
PROJECT TYPE: ☒ NEW ☐ T.I.
TYPE OF CONSTRUCTION: V
OCCUPANCY GROUP(S): R3
OCCUPIED LEVELS: 3
TOTAL SPRINKLERED AREA: 9857 SQ. FT.
NFPA CODE REQUIREMENT: ☐ NFPA 13 ☐ NFPA 13R ☒ NFPA 13D
NUMBER OF SYSTEMS: 1
SYSTEM TYPE(S): ☐ WET ☒ ANTI-FREEZE ☐ DRY ☐ PREACTION
TOTAL SPRINKLERS: 67
SPECIAL NOTES: SEE FIRE SPRINKLER NOTES THIS SHEET

PIPE VOLUMES: (CPVC)

TOTAL PIPE FOOTAGE AND CAPACITY:
1" = 808' (39.96 GALS)

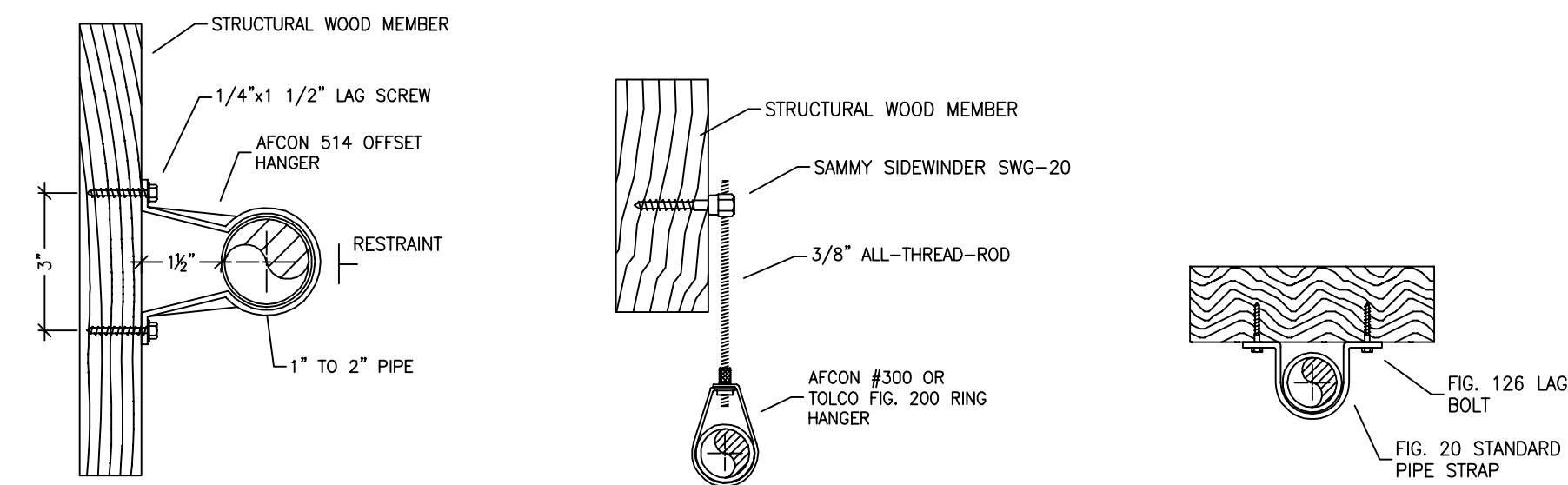
ADD 10% FOR DROPS AND PIPE SIZE
DISCREPANCIES
TOTAL VOLUME: ±39.96 GALLONS

NFPA 13 - Table A.7.2.3 Capacity of 1 ft of pipe (Based on Actual Internal Pipe Diameter)			
Nominal Pipe Diameter (in.)	Pipe Schedule 40 Schedule 10 (gal)	CPVC	
1	0.045	0.049	0.049
1 $\frac{1}{4}$	0.078	0.085	0.079
1 $\frac{1}{2}$	0.106	0.115	0.104
2	0.174	0.190	
2 $\frac{1}{2}$	0.248	0.283	



1 RISER DETAIL

SCALE: $\frac{1}{2}" = 1'-0"$



514 OFFSET HANGER

STEEL PIPE APPLICATION

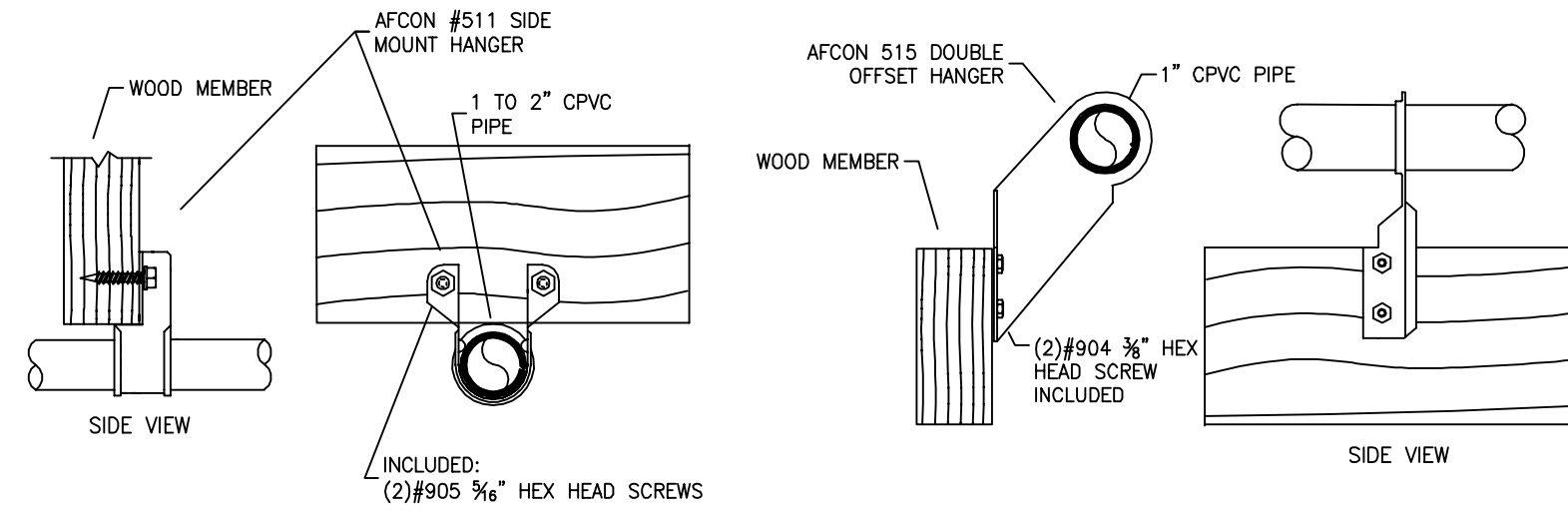
NTS

SWG-20 HANGER DETAIL

FOR HORIZONTAL ATTACHMENT TO WOOD

STANDARD PIPE STRAP

NTS



511 SIDE MOUNT HANGER

CPVC PIPE APPLICATION

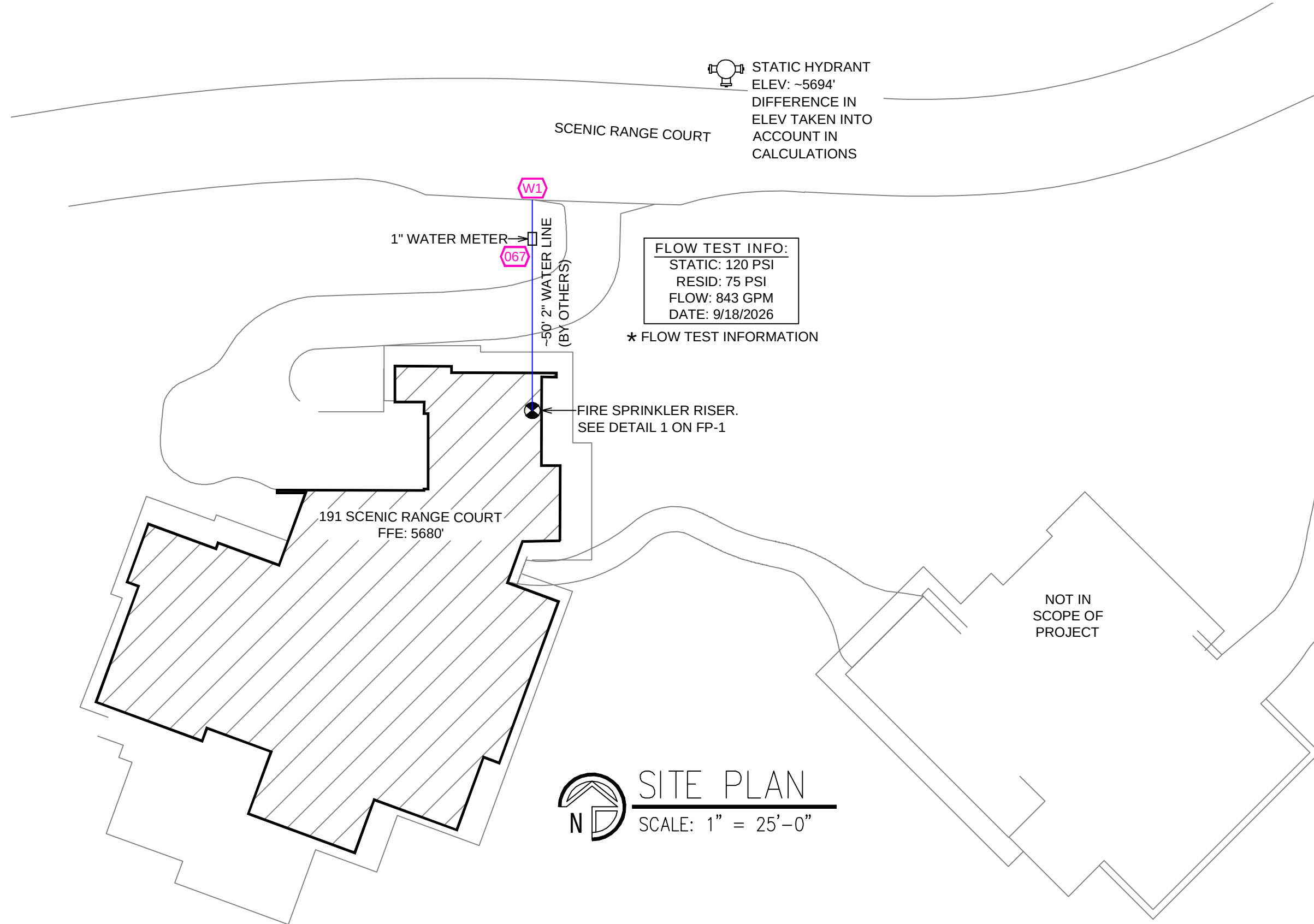
NTS

515 DOUBLE OFFSET HANGER

CPVC PIPE APPLICATION

NTS

HANGER DETAILS



SITE PLAN

SCALE: 1" = 25'-0"

NO.	DATE	REVISIONS	DRAWN	CHECKED

GENERAL CONTRACTOR:		AUTHORITY HAVING JURISDICTION:	
ADDRESS:		ADDRESS:	
CITY:		CITY:	
PHONE:		PHONE:	
CONTACT:		CONTACT:	
ARCHITECT:		FIELD INSPECTIONS:	
ADDRESS:		1.	
CITY:		2.	
PHONE:		3.	
		4.	

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 2022
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. ALL SPRINKLER PIPING CONCEALED ABOVE CEILINGS SHALL BE CPVC PIPING UNLESS OTHERWISE NOTED.
5. ALL DIMENSIONS SHOWN ARE CENTER TO CENTER U.O.N.
6. ALL HANGERS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13D AND/OR NFPA 13 REQUIREMENTS.
7. HOLES THROUGH SOLID STRUCTURAL MEMBERS SHALL BE PERMITTED TO SERVE AS HANGERS FOR THE SUPPORT OF SYSTEM PIPING.
8. ALL SYSTEM PIPING SHALL BE TESTED FOR LEAKAGE AT NORMAL SYSTEM OPERATING PRESSURE.
9. 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).

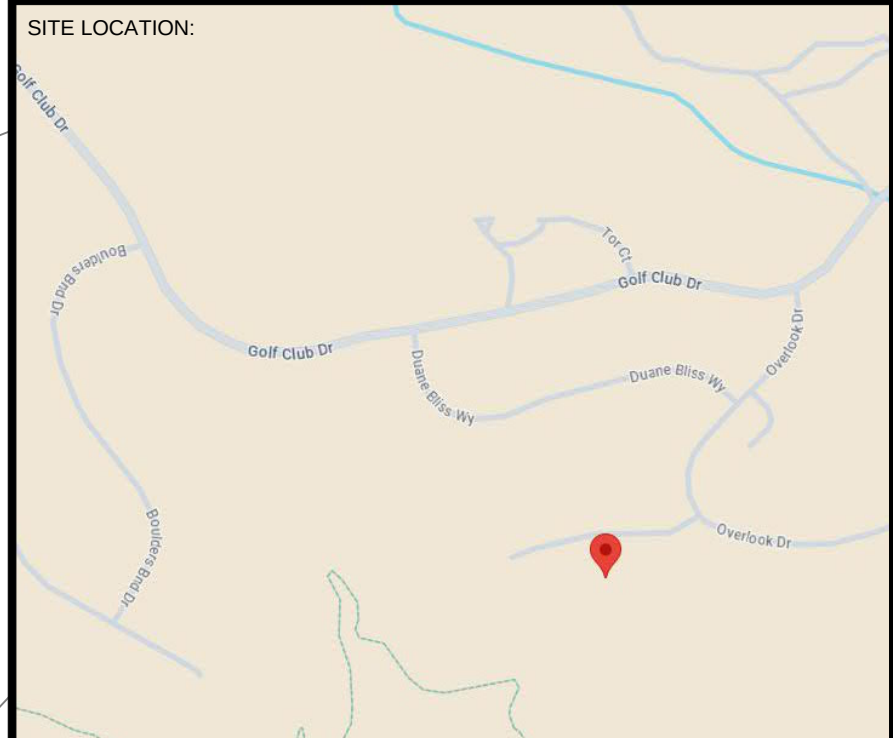
SPRINKLER HEAD LEGEND

SYM	QTY	TYPE	MFG.	MODEL#	NPT	K	TEMP	FINISH	S.I.N.
⊗	49	CONCEALED	SENJU	RC-RES	1/2"	4.9	162	WHITE	SS4464
⊗	4	CONCEALED	SENJU	RC-RES	1/2"	4.9	205	WHITE	SS4464
⊗	12	SEMI-RECESS	SENJU	FR-RES	1/2"	4.9	205	WHITE	SS4451
⊗	1	SEMI-RECESS	SENJU	FR-OR	1/2"	5.6	286	WHITE	SS2551

66 TOTAL SPRINKLERS

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

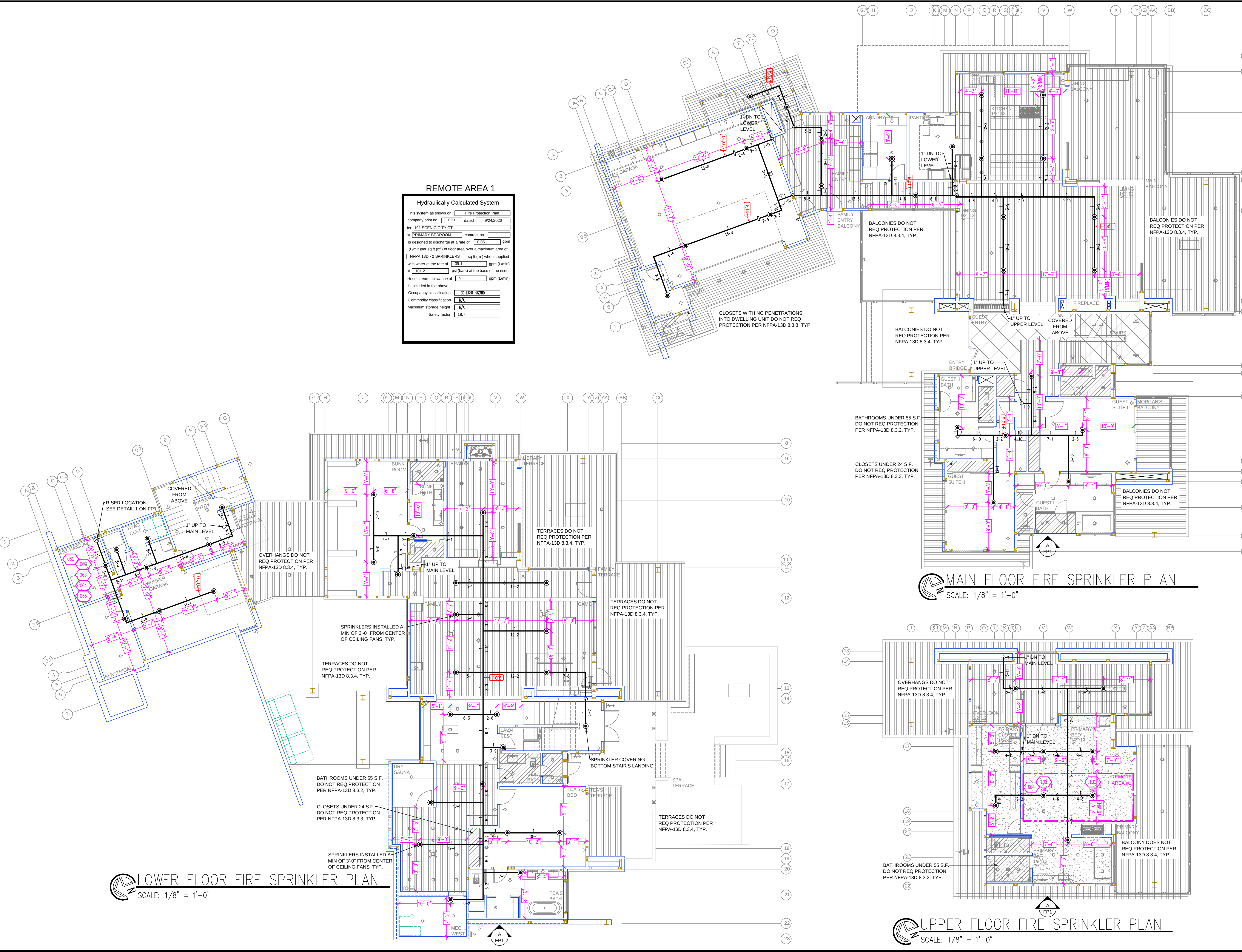


PROJECT NAME: FIRE SPRINKLER PLANS FOR
191 SCENIC RANGE CT
CARSON CITY, NV 89705

STAMP:	

DRAWING TITLE:
FIRE SPRINKLER PLAN

SCALE: 1/8"=1'-0"	JOB NO.: 26-6006
DRAWN BY:	DWG NO.:
BORN ON DATE: 9/25/2026	FP-1
FILE: 9/25/2026	SHEET 1 OF 2



NO. DATE REVISIONS DRAWN CHECKED

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ADDRESS: ADDRESS:

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191 SCENIC RANGE CT

CARSON CITY, NV 89705

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DRAWING TITLE:

FIRE SPRINKLER PLAN

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

JOB NO.: 26-6006

DRAWN BY: DWG NO.:

BORN ON DATE: 9/25/2026

FILE: 9/25/2026

FP-2

SHEET 2 OF 2