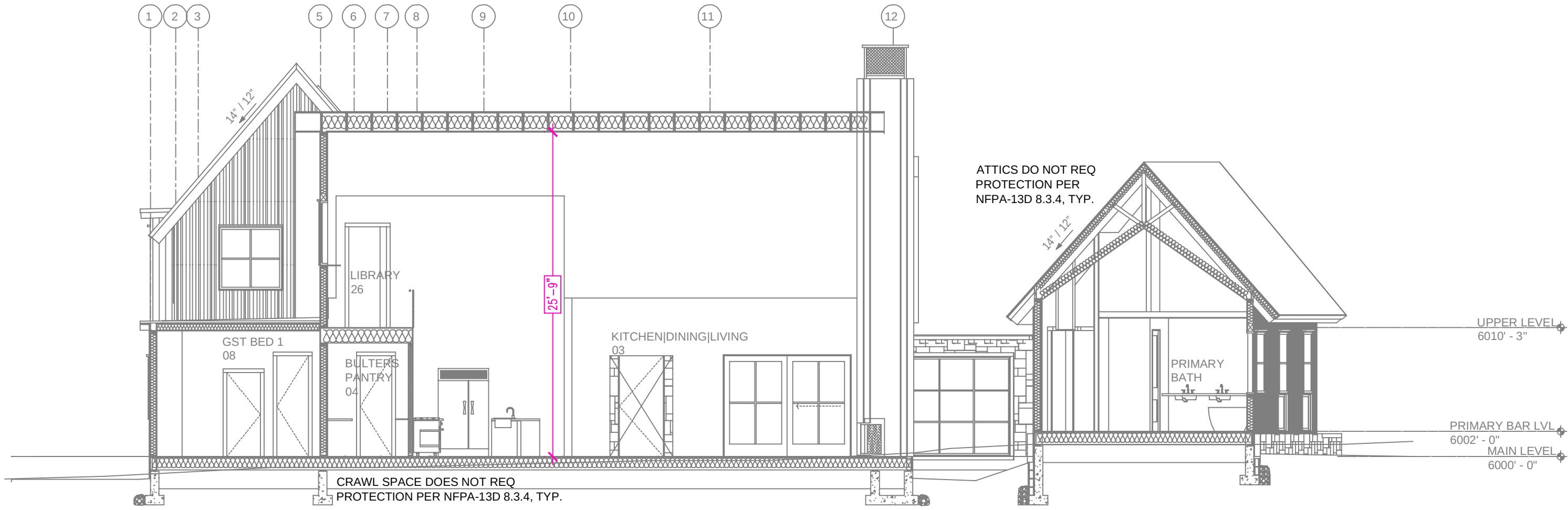




A BUILDING SECTION
SCALE: 1/8" = 1'-0"

- 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 UNO. (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.)									
	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6	8
Steel Pipe except threaded	N/A	12'-0	12'-0	12'-0	15'-0	15'-0	15'-0	15'-0	15'-0	15'-0
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"

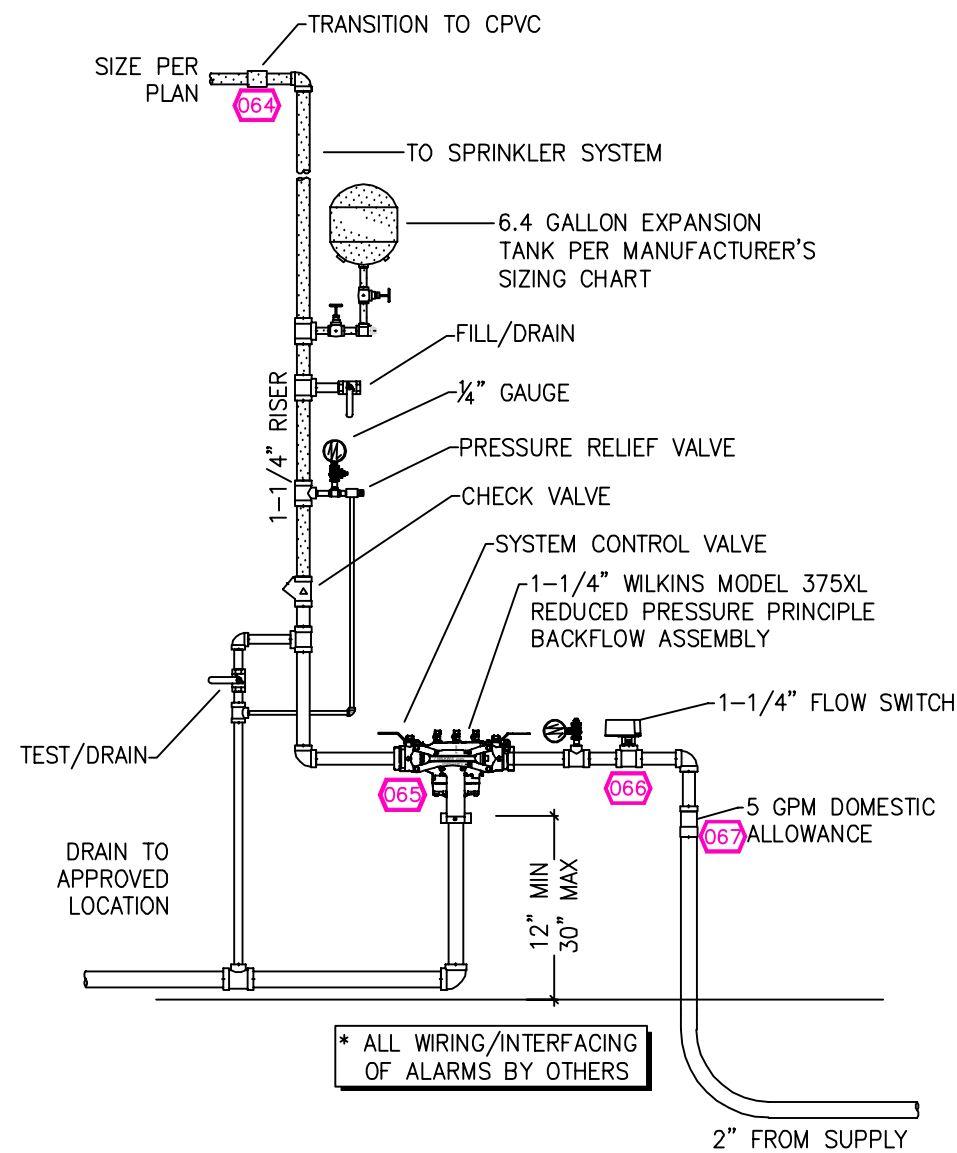
PROJECT SUMMARY:

PROJECT NAME: 10931 GHIRARD COURT
PROJECT ADDRESS: 10931 GHIRARD CT, TRUCKEE, CA
APN: 043-020-027
PROJECT TYPE: ☒ NEW ☐ T.I.
TYPE OF CONSTRUCTION: V
OCCUPANCY GROUP(S): R3
OCCUPIED LEVELS: 2
TOTAL SPRINKLERED AREA: 5105 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: 53
SPECIAL NOTES: SEE FIRE SPRINKLER NOTES THIS SHEET

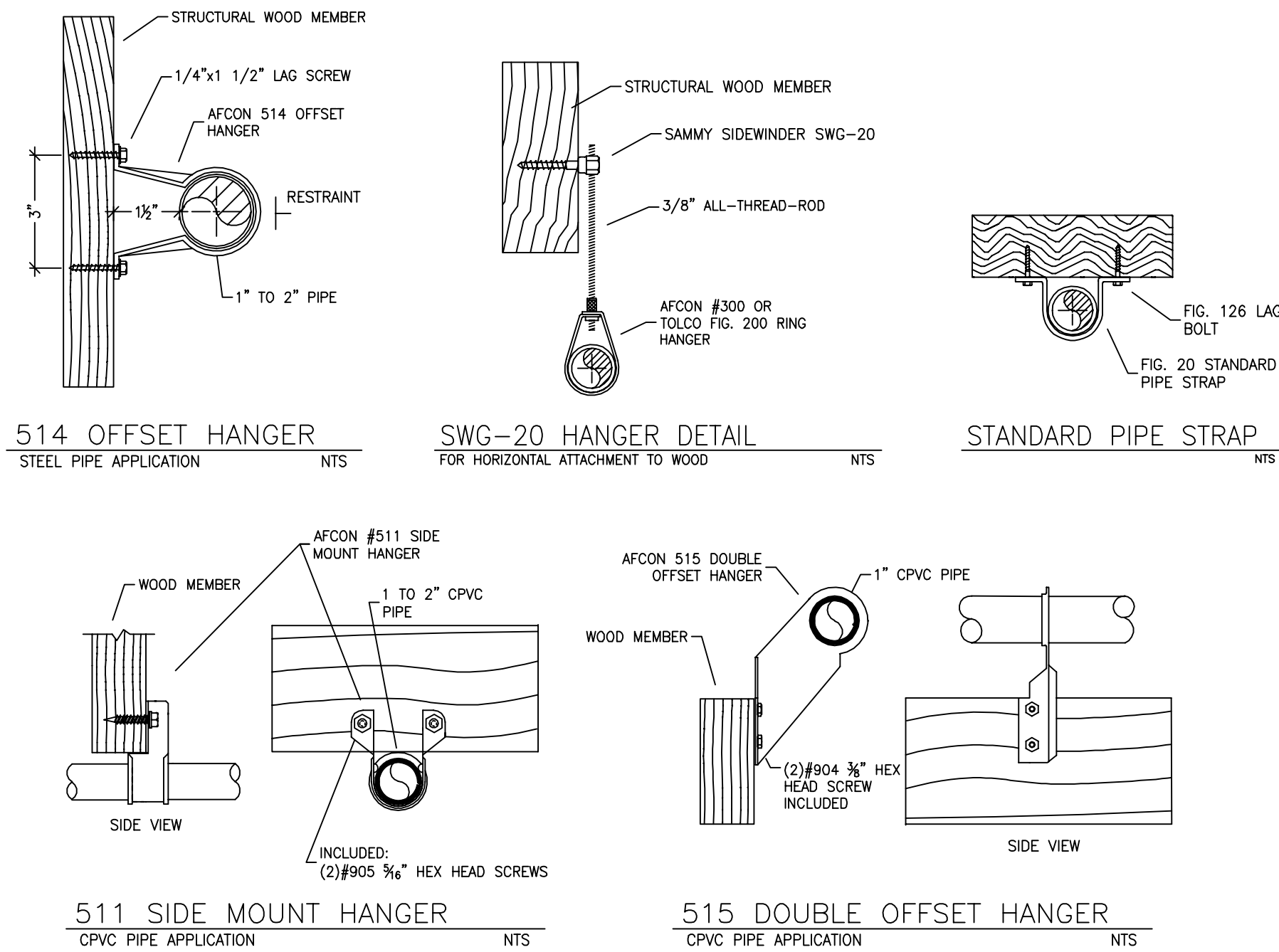
SUBMITTAL

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
MAIN LEVEL = 3903 S.F.
UPPER LEVEL = 1202 S.F.

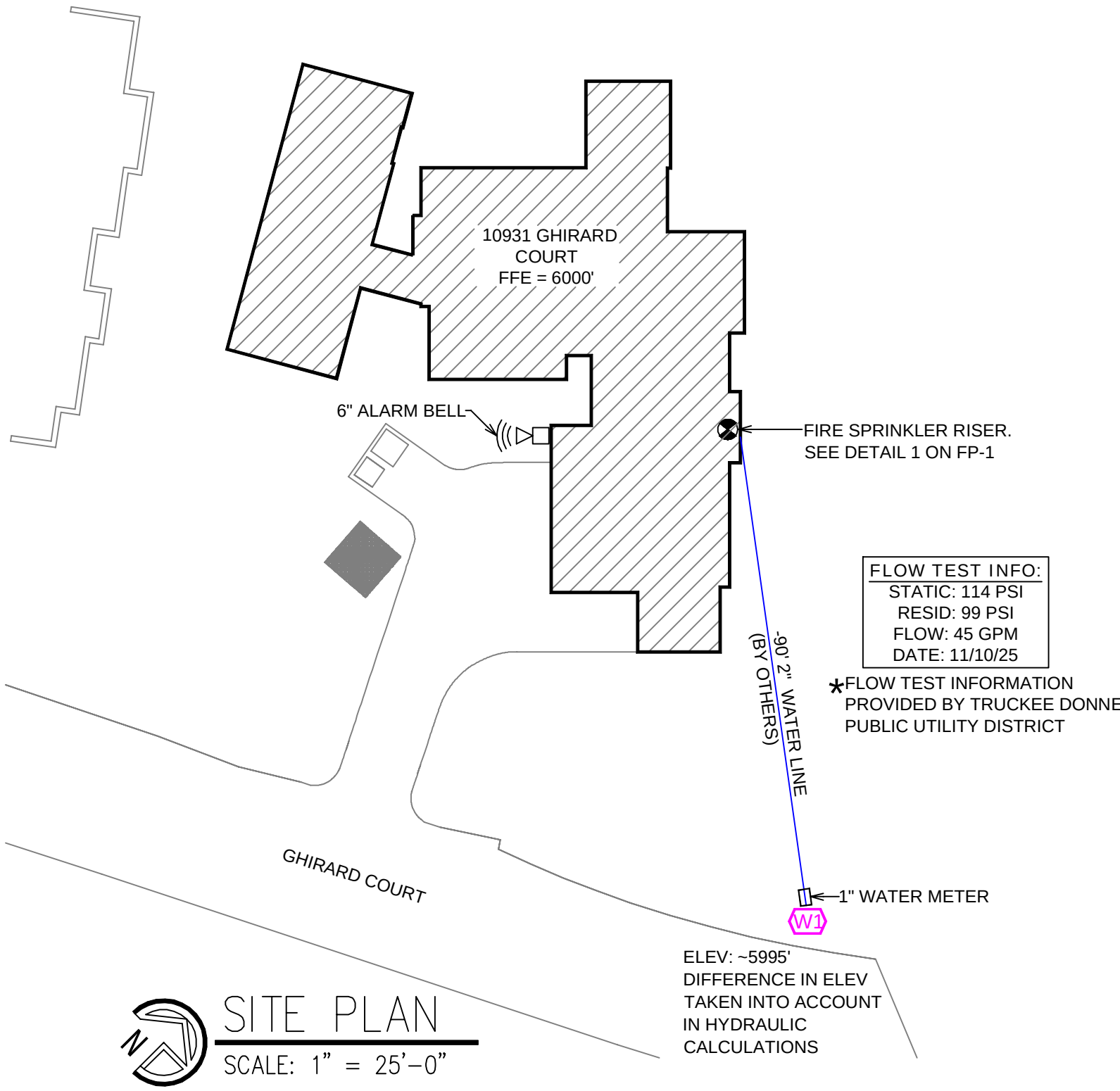
PIPE VOLUMES: (CPVC)			
TOTAL PIPE FOOTAGE AND CAPACITY: 1" = 461' (22.80 GAL) 1-1/4" = 152' (12.05 GAL)			
ADD 10% FOR DROPS AND PIPE SIZE DISCREPANCIES TOTAL VOLUME: ±38.33 GALLONS			
NFPA 13 - Table A.7.2.3 Capacity of 1 ft of pipe (Based on Actual Internal Pipe Diameter)			
Nominal Pipe Diameter (in.)	Pipe Schedule 40	Schedule 10	CPVC
1	0.045	0.049	0.049
1 1/4	0.078	0.085	0.079
1 1/2	0.106	0.115	0.104
2	0.174	0.190	
2 1/2	0.248	0.283	



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

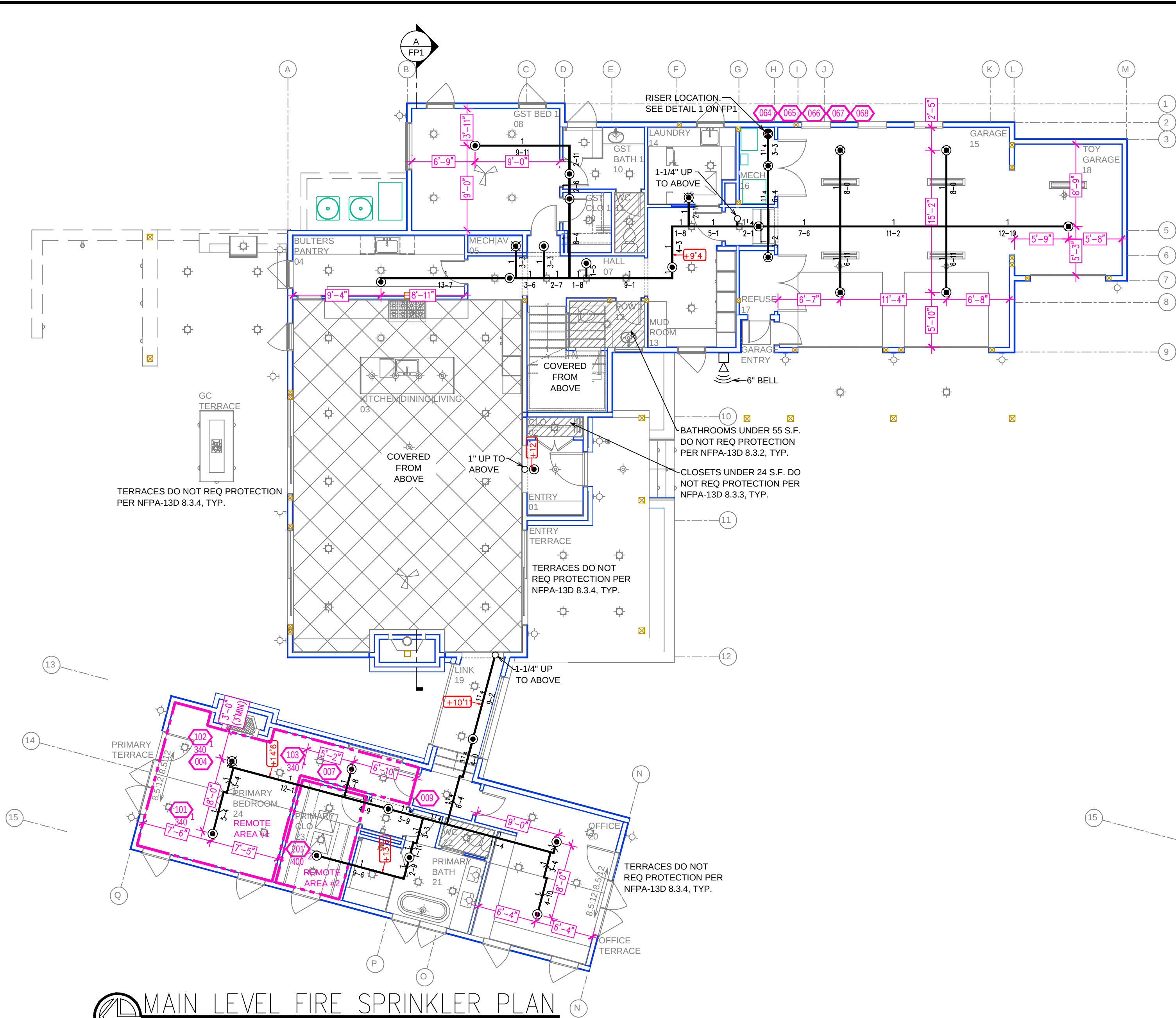


HANGER DETAILS



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

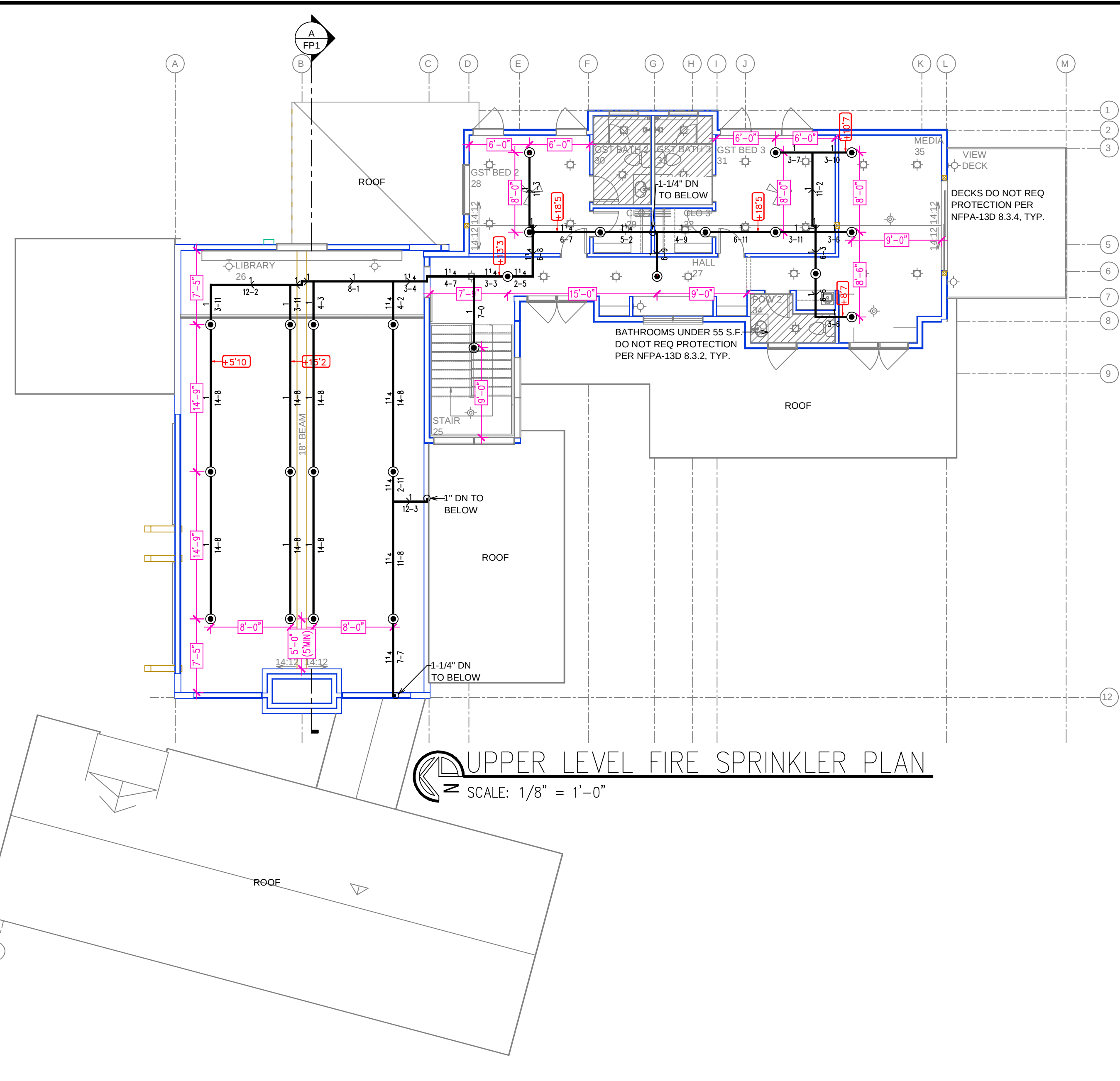
NO.	DATE	REVISIONS	DRAWN	CHECKED					
GENERAL CONTRACTOR:		AUTHORITY HAVING JURISDICTION:							
ADDRESS:		TOWN OF TRUCKEE BUILDING DIVISION							
CITY:		ADDRESS: 10183 TRUCKEE AIRPORT RD							
PHONE:		CITY: TRUCKEE, CA 96161							
CONTACT:		PHONE: 530-582-7820							
ARCHITECT:		CONTACT:							
ADDRESS:		FIELD INSPECTIONS:							
CITY:		1.							
PHONE:		2.							
		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 PIPING UNLESS OTHERWISE NOTED.									
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.
⊗	42	CONCEALED	SENAJ	RC-RES	1/2"	4.9	162	WHITE	SS8464
⊗	3	CONCEALED	SENAJ	RC-RES	1/2"	4.9	205	WHITE	SS8464
⊗	8	SEM-RECESS	SENAJ	FR-RES	1/2"	4.9	205	WHITE	SS4451
53 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						
SITE LOCATION:									
PROJECT NAME: FIRE SPRINKLER PLANS FOR									
10931 GHIRARD COURT									
10931 GHIRARD CT TRUCKEE, CA 96161									
STAMP:									
DRAWING TITLE:									
FIRE SPRINKLER PLAN									
SCALE: 1/8"=1'-0"					JOB NO.: 26-6007				
DRAWN BY:					DWG NO.:				
BORN ON DATE: 06/30/2026					FP-1				
FILE:					SHEET 1 OF 2				



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

REMOTE AREA 1	REMOTE AREA 1
Hydraulically Calculated System	Hydraulically Calculated System
This system as shown on <u>Fire Protection Plan</u>	This system as shown on <u>Fire Protection Plan</u>
company print no. <u>FP1</u> dated <u>6/30/2026</u>	company print no. <u>FP1</u> dated <u>6/30/2026</u>
for <u>10931 GHIRARD COURT</u>	for <u>10931 GHIRARD COURT</u>
at <u>PRIMARY BEDROOM</u> contract no. <u> </u>	at <u>PRIMARY CLOSET</u> contract no. <u> </u>
is designed to discharge at a rate of <u>0.05</u> gpm	is designed to discharge at a rate of <u>0.05</u> gpm
(L/min) per sq ft (m ²) of floor area over a maximum area of	(L/min) per sq ft (m ²) of floor area over a maximum area of
<u>NFPA 13D - 3 SPRINKLERS</u> sq ft (m ²) when supplied	<u>NFPA 13D - 1 SPRINKLER</u> sq ft (m ²) when supplied
with water at the rate of <u>58.9</u> gpm (L/min)	with water at the rate of <u>25.0</u> gpm (L/min)
at <u>81.7</u> psi (bars) at the base of the riser.	at <u>48.9</u> psi (bars) at the base of the riser.
Hose stream allowance of <u>5</u> gpm (L/min)	Hose stream allowance of <u>5</u> gpm (L/min)
is included in the above.	is included in the above.
Occupancy classification <u>130 LIGHT HAZARD</u>	Occupancy classification <u>130 LIGHT HAZARD</u>
Commodity classification <u>N/A</u>	Commodity classification <u>N/A</u>
Maximum storage height <u>N/A</u>	Maximum storage height <u>N/A</u>
Safety factor <u>7.6</u>	Safety factor <u>60.1</u>

8.5:12 CEILING SLOPE OUTSIDE SCOPE OF NFPA 13D.
THREE SPRINKLERS CALCULATED



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

NO.				DATE				REVISIONS				DRAWN				CHECKED			
GENERAL CONTRACTOR:								AUTHORITY HAVING JURISDICTION:											
ADDRESS:								TOWN OF TRUCKEE BUILDING DIVISION											
CITY:								ADDRESS: 10183 TRUCKEE AIRPORT RD											
PHONE:								CITY: TRUCKEE, CA 96161											
CONTACT:								PHONE: 530-582-7820											
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.																			
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SPRINKLER HEAD LEGEND																			
SYM	QTY	TYPE	MFG.	MODEL#	NPT	K	TEMP	FINISH	S.I.N.										
⊗	42	CONCEALED	SENAJ	RC-RES	1/2"	4.9	162	WHITE	SS8464										
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⊗	8	SEM-RECESS	SENAJ	FR-RES	1/2"	4.9	205	WHITE	SS4451										
53 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: FIRE SPRINKLER PLANS FOR																			
10931 GHIRARD COURT																			
10931 GHIRARD CT																			
TRUCKEE, CA 96161																			
STAMP:																			
DRAWING TITLE:																			
FIRE SPRINKLER PLAN																			
SCALE: 1/8"=1'-0"												JOB NO.: 26-6007							
DRAWN BY:												DWG NO.:							
BORN ON DATE: 06/30/2026												FP-2							
FILE:												SHEET 2 OF 2							