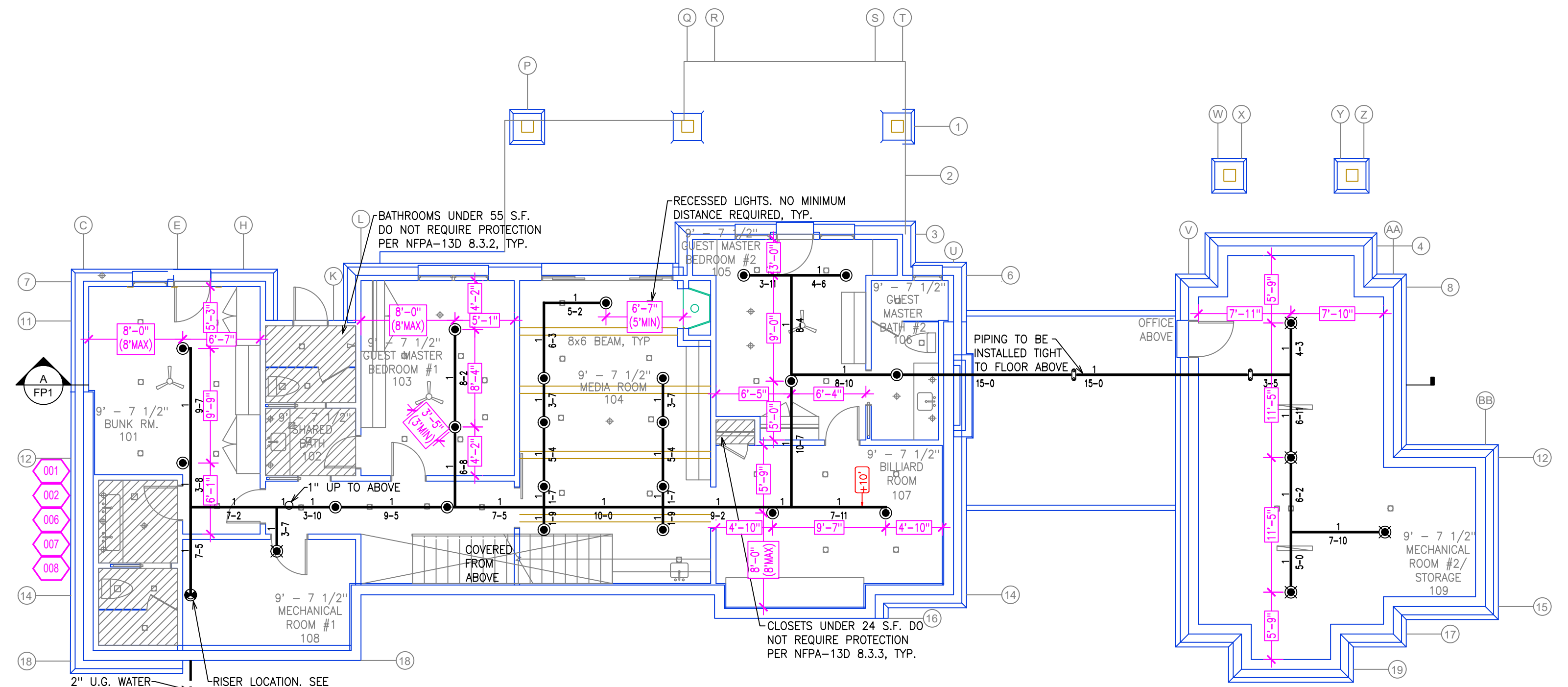




LOWER FLOOR FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

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, 5-250 WATT	6"	3"	

THIS FIRE SPRINKLER SYSTEM UTILIZES THE TYCO LFP ANTI-FREEZE SOLUTION

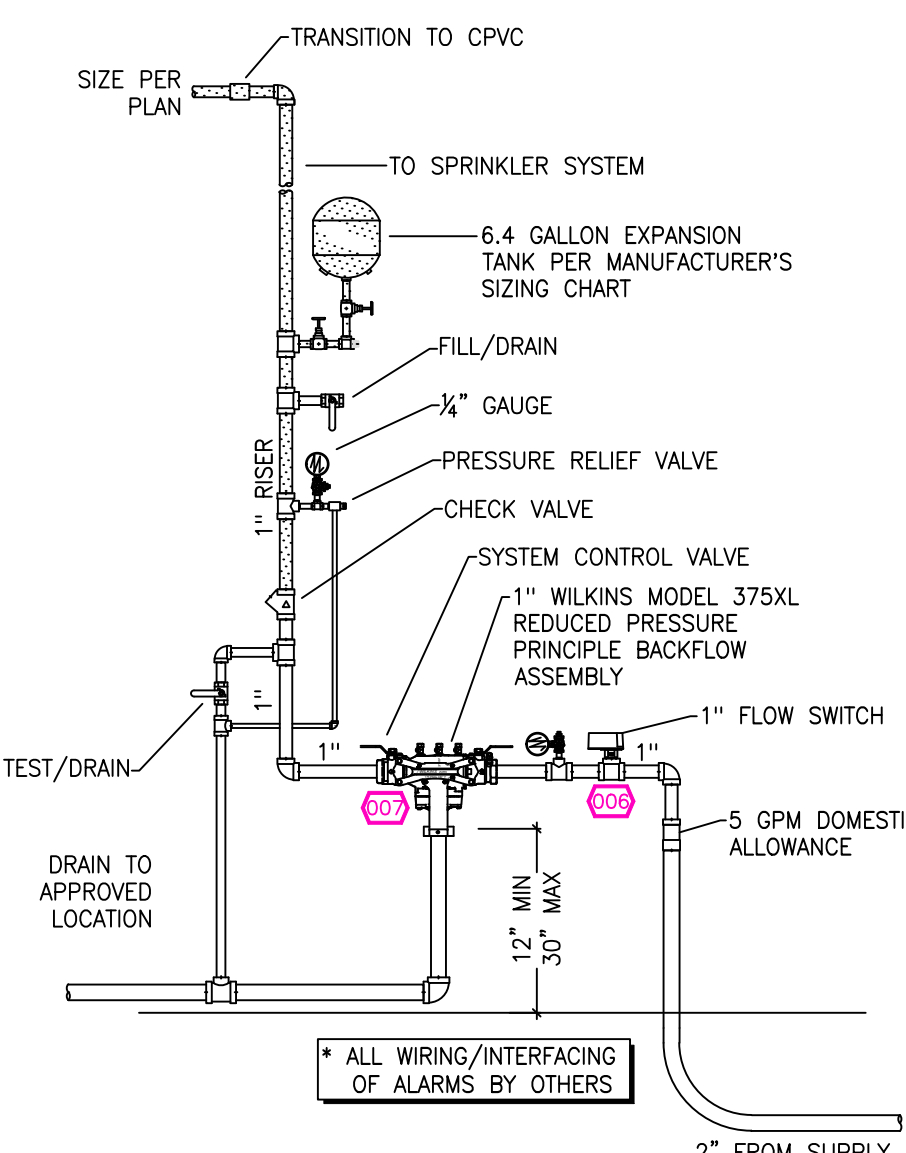
- SPRINKLER SPACING**
- A SINGLE PENDENT SPRINKLER MAY BE SPACED AT A MAXIMUM OF 16'X16' (256 SQ. FT.) OR UP TO 8' OFF A WALL.
 - TWO OR MORE HEADS IN A COMPARTMENT SHALL BE SPACED AT A MAXIMUM OF 16'X16' 256 SQ. FT. OR UP TO 8' OFF A WALL.
 - SPRINKLERS SHALL BE MEASURED AT PERPENDICULAR ANGLES TO WALLS AND ALONG THE SLOPES OF CEILINGS.

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 lightweight	N/A	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	N/A	N/A
Threaded lightweight steel pipe	N/A	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	N/A	N/A
Copper tube	8-0	8-0	10-0	10-0	12-0	12-0	12-0	15-0	15-0	15-0	N/A	N/A
CPVC	5-6	6-0	6-6	7-0	8-0	9-0	10-0	N/A	N/A	N/A	N/A	N/A

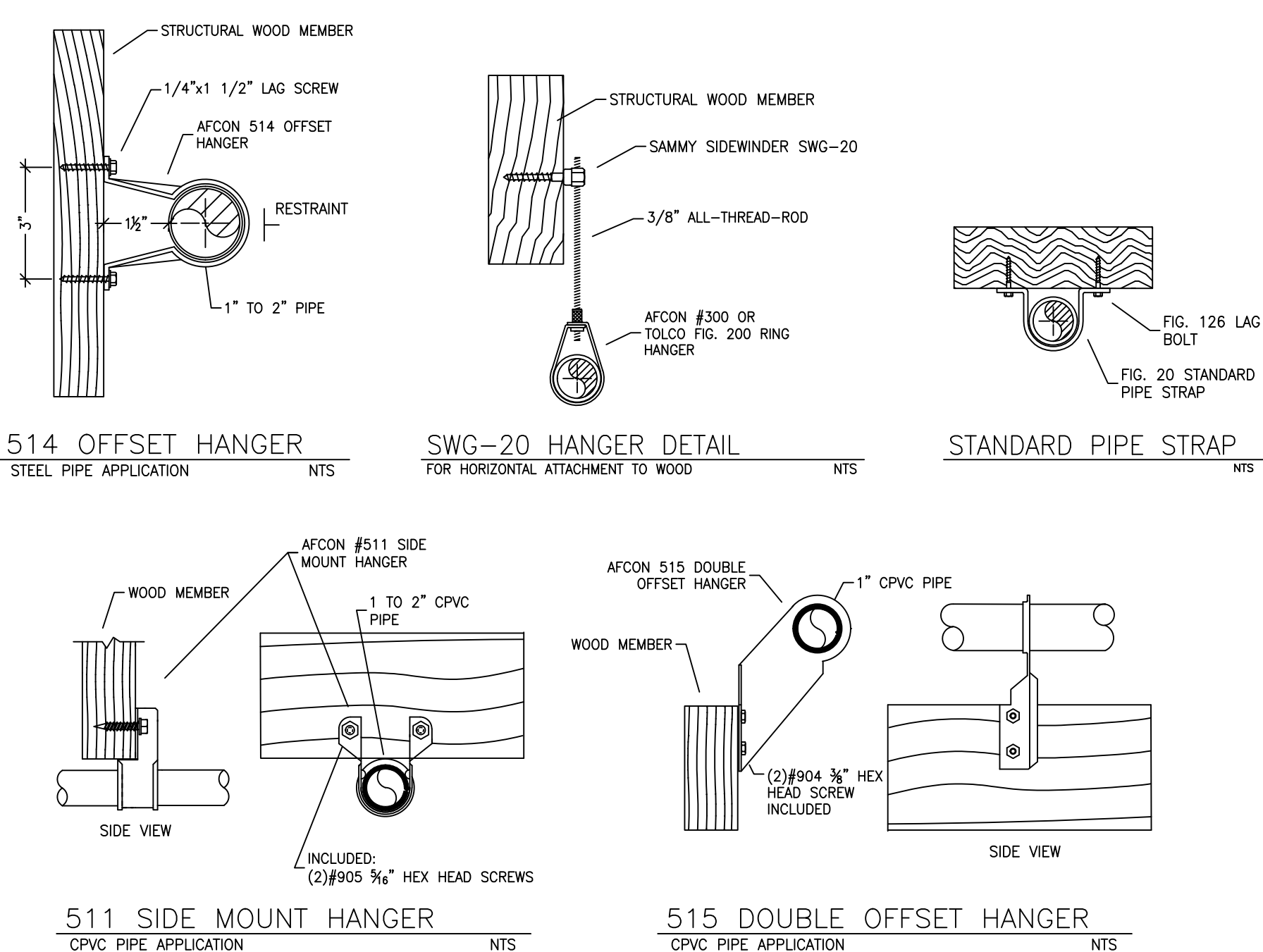
PROJECT SUMMARY:
PROJECT NAME: **FRAIMAN RESIDENCE**
PROJECT ADDRESS: **8207 EHRMAN DR., TRUCKEE, CA**
APN: **001-001-001-001**
PROJECT TYPE: ☒ NEW ☐ T.I.
TYPE OF CONSTRUCTION: **V**
OCCUPANCY GROUP(S): **R3**
OCCUPIED LEVELS: **2**
TOTAL SPRINKLERED AREA: **6855** SQ. FT.
NFPA CODE REQUIREMENT: ☐ NFPA 13 ☐ NFPA 13R ☒ NFPA 13D
NUMBER OF SYSTEMS: **1**
SYSTEM TYPE(S): ☐ WET ☒ ANTI-FREEZE ☐ DRY ☐ PREACTION
TOTAL SPRINKLERS: **93**
SPECIAL NOTES: SEE FIRE SPRINKLER NOTES THIS SHEET

PIPE VOLUMES:
(CPVC)
TOTAL PIPE FOOTAGE AND CAPACITY:
1" = 705' (34.87 GAL.)
ADD 10% FOR DROPS AND PIPE SIZE DISCREPANCIES
TOTAL VOLUME: ±38.35 GALLONS

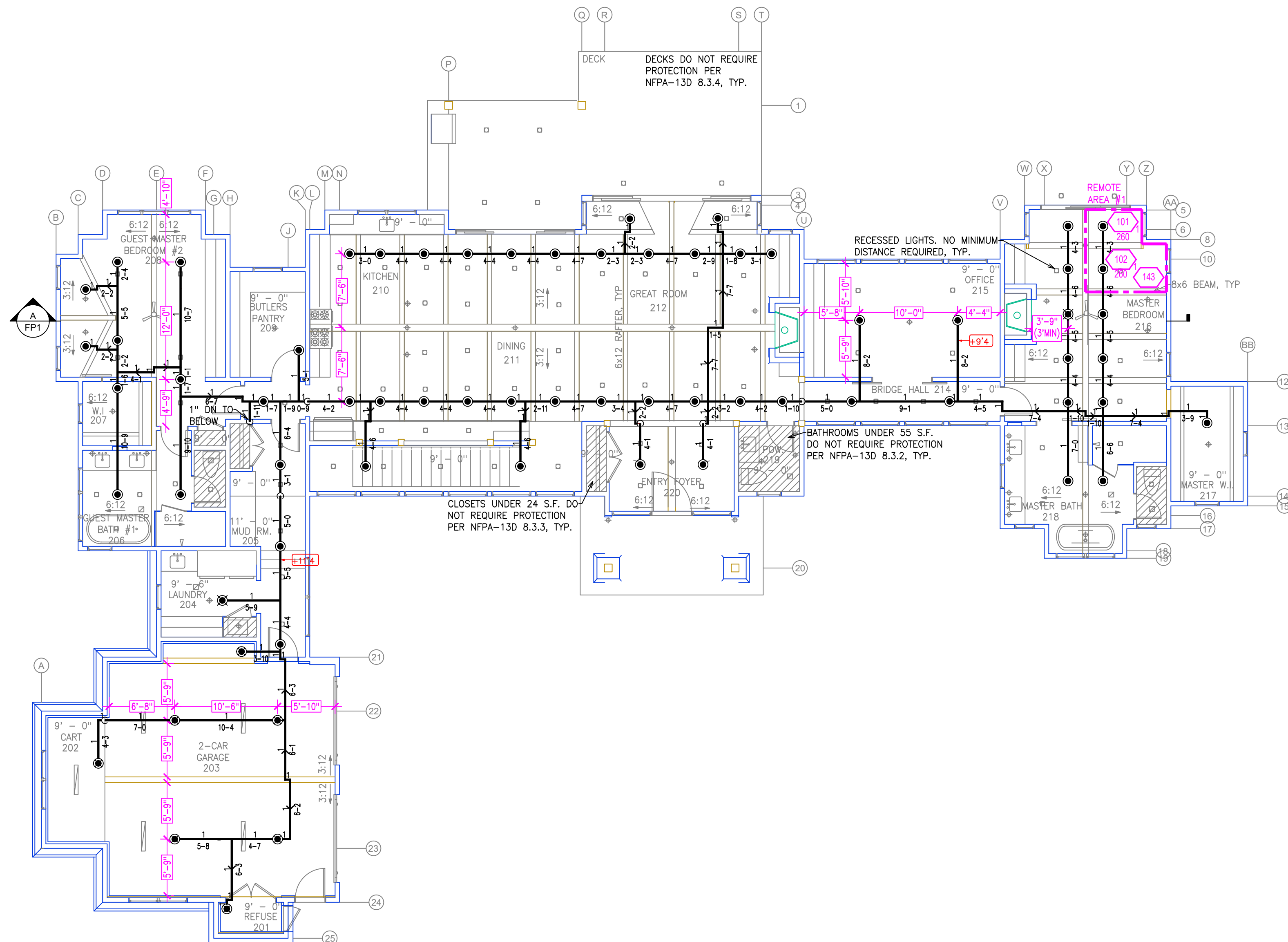
NFPA 13 - Table 7.2.3 Capacity of 1 ft of pipe (Based on Actual Internal Pipe Diameter)				
Nominal Pipe Diameter (in.)	Pipe Schedule 40 Schedule 10	CPVC		
1"	0.045	0.049		
1 1/4"	0.078	0.085	0.079	
1 1/2"	0.106	0.115	0.104	
2"	0.174	0.180		
2 1/2"	0.248	0.283		



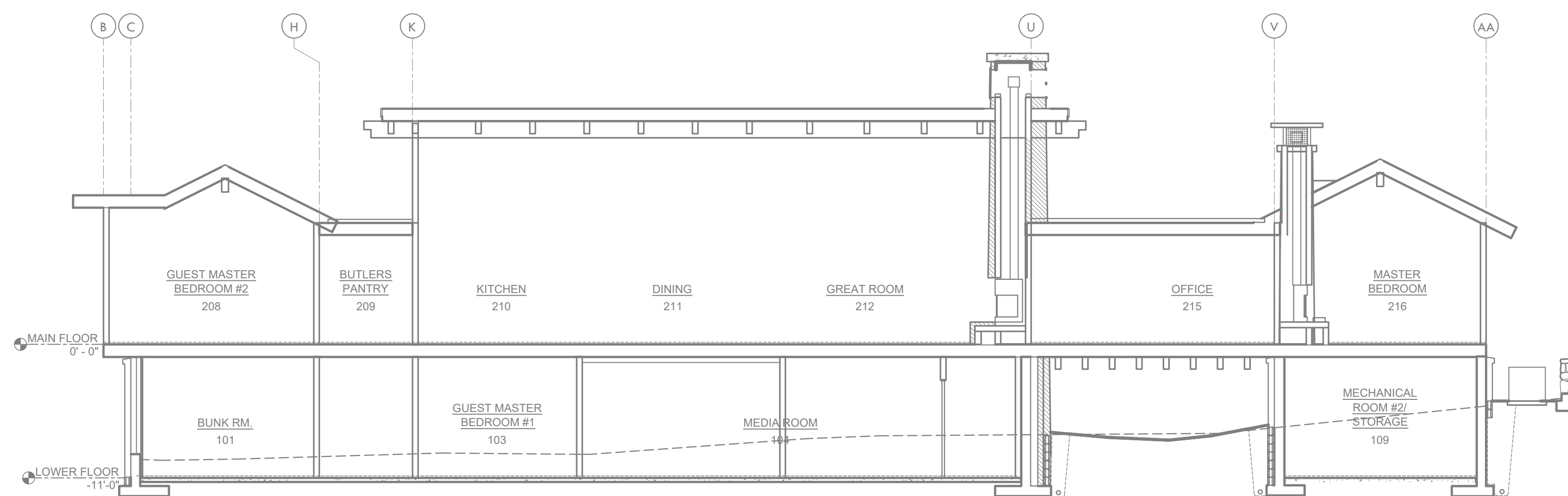
1 RISER DETAIL
SCALE: 1/2" = 1'-0"



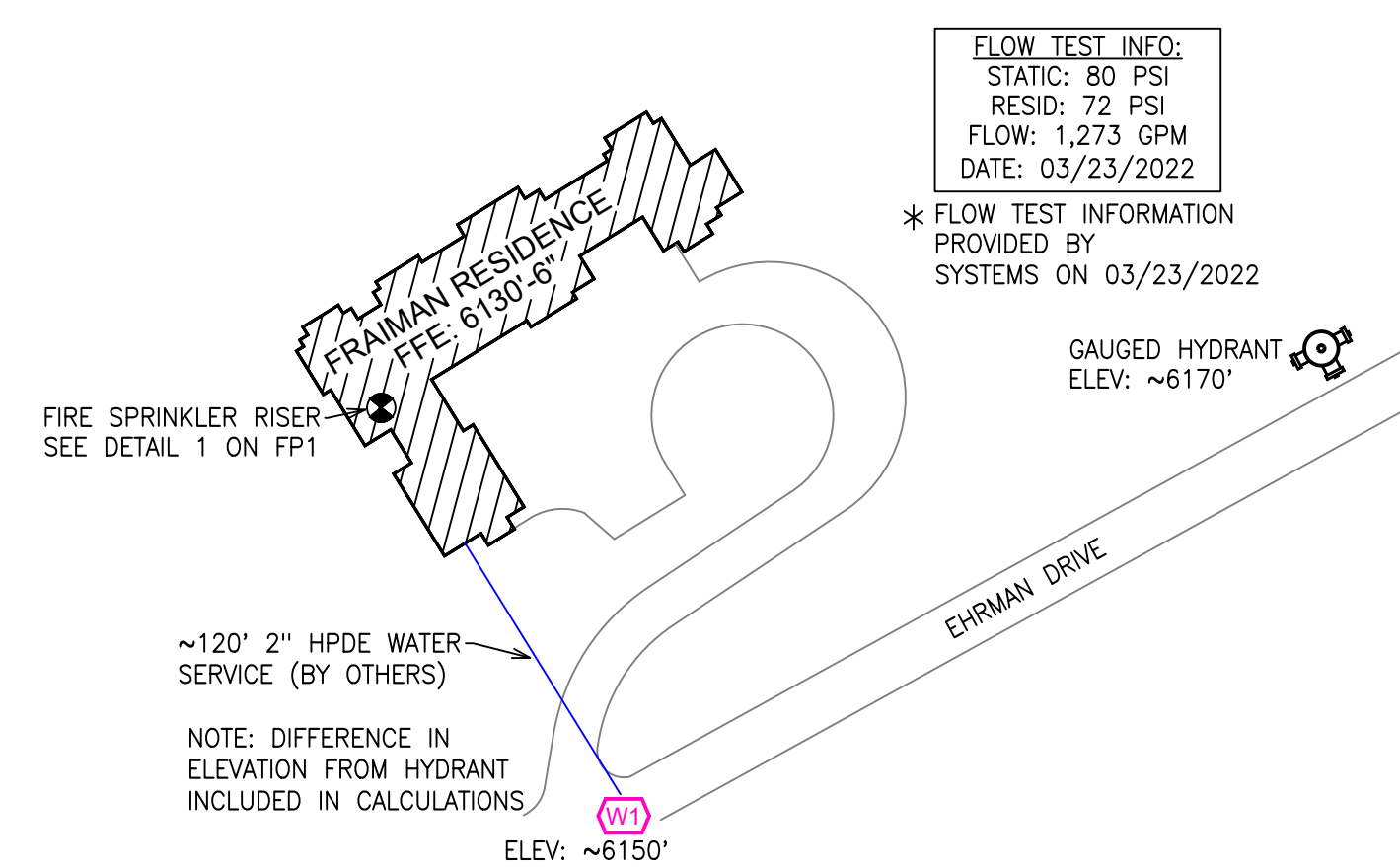
HANGER DETAILS



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



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



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

NO.	DATE	REVISIONS	DRAWN	CHECKED
1.				
2.				
3.				
4.				

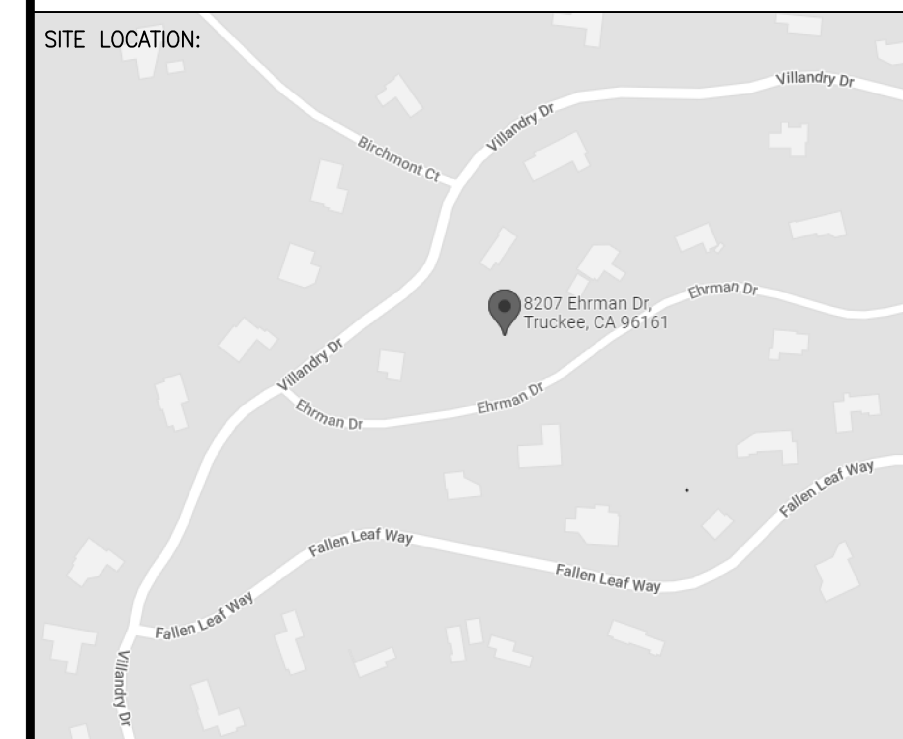
GENERAL CONTRACTOR: **FRAIMAN RESIDENCE**
AUTHORITY HAVING JURISDICTION: **TOWN OF TRUCKEE BUILDING DIVISION**
ADDRESS: **10183 TRUCKEE AIRPORT RD**
CITY: **TRUCKEE, CA 96161**
PHONE: **530-582-7820**
CONTACT: **CONTACT**
ARCHITECT: **FIELD INSPECTIONS:**
ADDRESS: **1.**
CITY: **2.**
PHONE: **3.**
4.

- FIRE SPRINKLER NOTES:**
- 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.
 - THIS SPRINKLER SYSTEM IS HYDRAULICALLY CALCULATED IN ACCORDANCE WITH NFPA 13D TO PROVIDE 0.05 GPM PER SQ. FT. OVER THE MOST REMOTE AREA.
 - THE NUMBER OF DESIGN SPRINKLERS SHALL INCLUDE ALL SPRINKLERS WITHIN A COMPARTMENT UP TO A MAXIMUM OF 2 SPRINKLERS.
 - ALL SPRINKLER PIPING CONCEALED ABOVE CEILINGS SHALL BE CPVC PIPING UNLESS OTHERWISE NOTED.
 - ALL DIMENSIONS SHOWN ARE CENTER TO CENTER U.O.N.
 - ALL HANGERS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13D AND/OR NFPA 13 REQUIREMENTS.
 - HOLES THROUGH SOLID STRUCTURAL MEMBERS SHALL BE PERMITTED TO SERVE AS HANGERS FOR THE SUPPORT OF SYSTEM PIPING.
 - ALL SYSTEM PIPING SHALL BE TESTED FOR LEAKAGE AT NORMAL SYSTEM OPERATING PRESSURE.
 - 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).

SYM.	QTY.	TYPE	W.C.	MODEL#	HPT.	K.	TEMP.	FINISH	S.I.L.
7	79	CONCEALED	SENJ	RC-RES	1/2"	4.9	102	WHITE	SS4464
7	7	SEM-RECESSED	SENJ	FR-RES	1/2"	4.9	205	WHITE	SS4461
7	7	CONCEALED	SENJ	RC-RES	1/2"	4.9	205	WHITE	SS4464

93 TOTAL SPRINKLERS ON THIS SHEET

- FIRE SPRINKLER SYMBOLS**
- ⊕ AUTOMATIC SPRINKLER RISER
 - ⊕ EARTHQUAKE BRACING
 - ⊕ 2-WAY & 4-WAY
 - ⊕ PIPE HANGER & TYPE DESIGNATION
 - ⊕ HYDRAULIC RES. PT.
 - ⊕ GRID OR THIRD CAP
 - ⊕ GRID COUPLING
 - ⊕ TYPICAL POINT OF CONNECTION (POC)
 - +13" ELEV. BELOW DECK OR TOS
 - +12"-9" ELEV. ABOVE FINISHED FLOOR
 - CHANGE ELEVATION UP
 - CHANGE ELEVATION DN
 - ⊕ INSPECTOR'S TEST
 - ⊕ AUX DRAIN
 - ⊕ REVISION NOTATION
 - ⊕ LOCAL ALARM
 - ⊕ RESTRAINT



PROJECT NAME: **FIRE SPRINKLER PLANS FOR FRAIMAN RESIDENCE**
MARTIS LOT 499
8207 EHRMAN DRIVE
TRUCKEE, CA

DRAWING TITLE: FIRE SPRINKLER PLAN	
SCALE: 1/8" = 1'-0"	JOB NO.: FP-1
DRAWN BY: 7/27/2022	DWG NO.: 1
BORN ON DATE: 7/27/2022	
FILE: 1	SHEET 1 OF 1