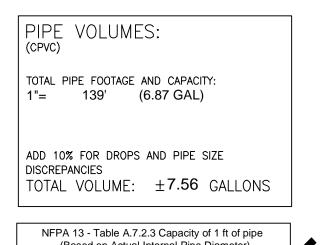


FBATHROOMS UNDER 55 S.F.



# TYPICAL LAYOUT OF THREE BUILDINGS. MOST REMOTE BUILDING HYDRAULICALLY CALCULATED (BUILDING 3)



NFPA 13 - Table A.7.2.3 Capacity of 1 ft of pipe (Based on Actual Internal Pipe Diameter)						
Nominal Pipe Diameter (in.)	Pi Schedule 40 (gal)	pe Schedule 10	CPVC			
1	0.045	0.049	0.049			
11/4	0.078	0.085	0.079			
11/2	0.106	0.115	0.104			
2	0.174	0.190				
21/2	0.248	0.283				

## 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

LEVEL ONE = 685 S.F.

LEVEL TWO = 685 S.F.

	Nominal Pipe Size (in.)									
	3/4	1	11/4	11/2	2	21/2	3	4	6	8
Steel Pipe except threaded lightwall	N/A	12-0	12-0	15-0	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	12-0	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

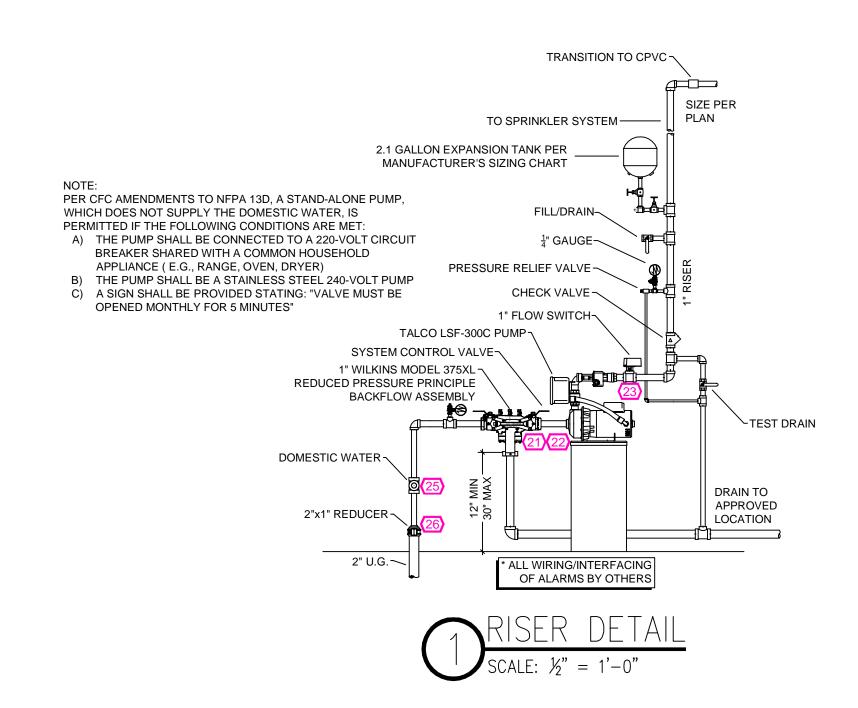
## SPRINKLER SPACING

. A SINGLE PENDENT SPRINKLER MAY BE SPACED AT A MAXIMUM OF 18'x18'(324SQ. FT.) OR UP TO 9' OFF A WALL. (MINIMUM 8'-0" BETWEEN SPRINKLERS)

2. 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)

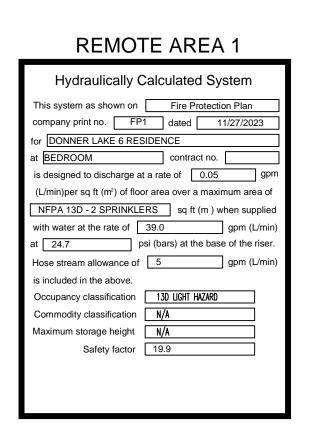
3. SPRINKLERS SHALL BE MEASURED AT PERPENDICULAR ANGLES TO WALLS AND ALONG THE SLOPES OF CEILINGS.

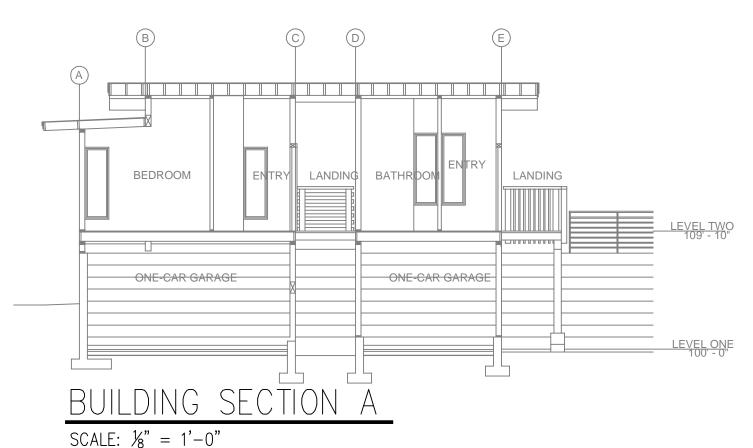
THIS FIRE SPRINKLER SYSTEM UTILIZES
THE NOBLE COMPANY FIREFIGHTER
ELIMINATOR ANTI-FREEZE SOLUTION

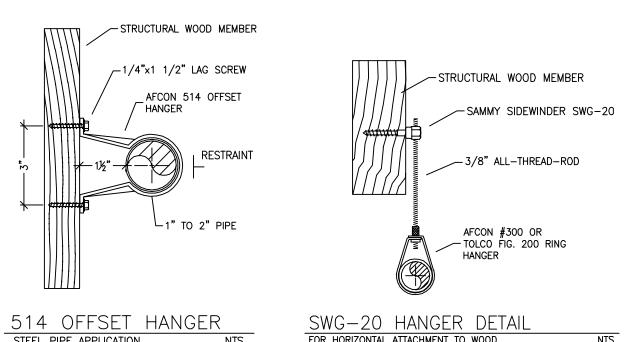


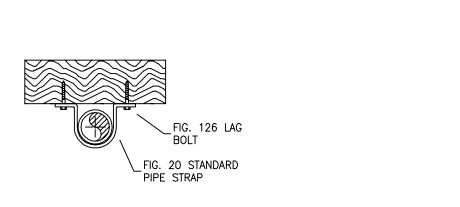
SPRINKLER HEAT HEAT SOURCE:	ZONES: ORDINARY TEMP SPRINKLER	INTERMEDIATE TEMP SPRINKLER
TIEN SOCIOL.		
SIDE OF OPEN OR RECESSED FIRE PLACE	36"	12"
FRONT OF RECESSED FIRE PLACE	60"	36 <b>"</b>
COAL OR WOOD BURNING STOVE	42"	12 <b>"</b>
RANGE/OVEN, HOT AIR FLUES & UNINSULATED HEAT DUCT	18"	9"
UNINSULATED 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 DIFFUSER	S 36"	18"
HOT WATER HEATER, FURNACE, LIGHT FIXTURE 0-250 WATT	6"	3"

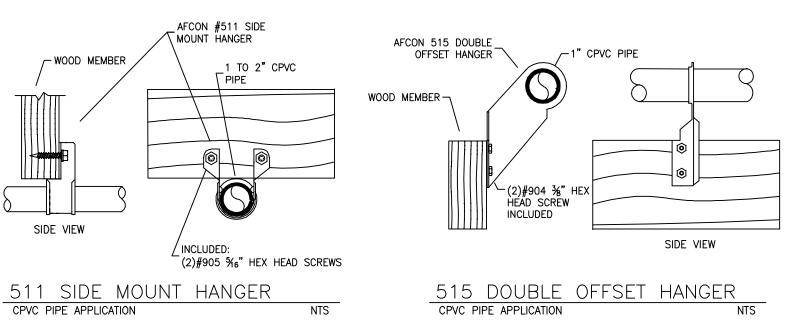
DONNER LAKE 6 RESIDENCE
10199 DONNER LAKE RD, TRUCKEE, CA
017-170-032-000
<b>™</b> NEW □ T.I.
V
R3
2
<u>1370</u> SQ. FT.
□NFPA 13 □NFPA 13R <b>1</b> NFPA 13D
<u>1</u>
_13
SEE FIRE SPRINKLER NOTES THIS SHEET



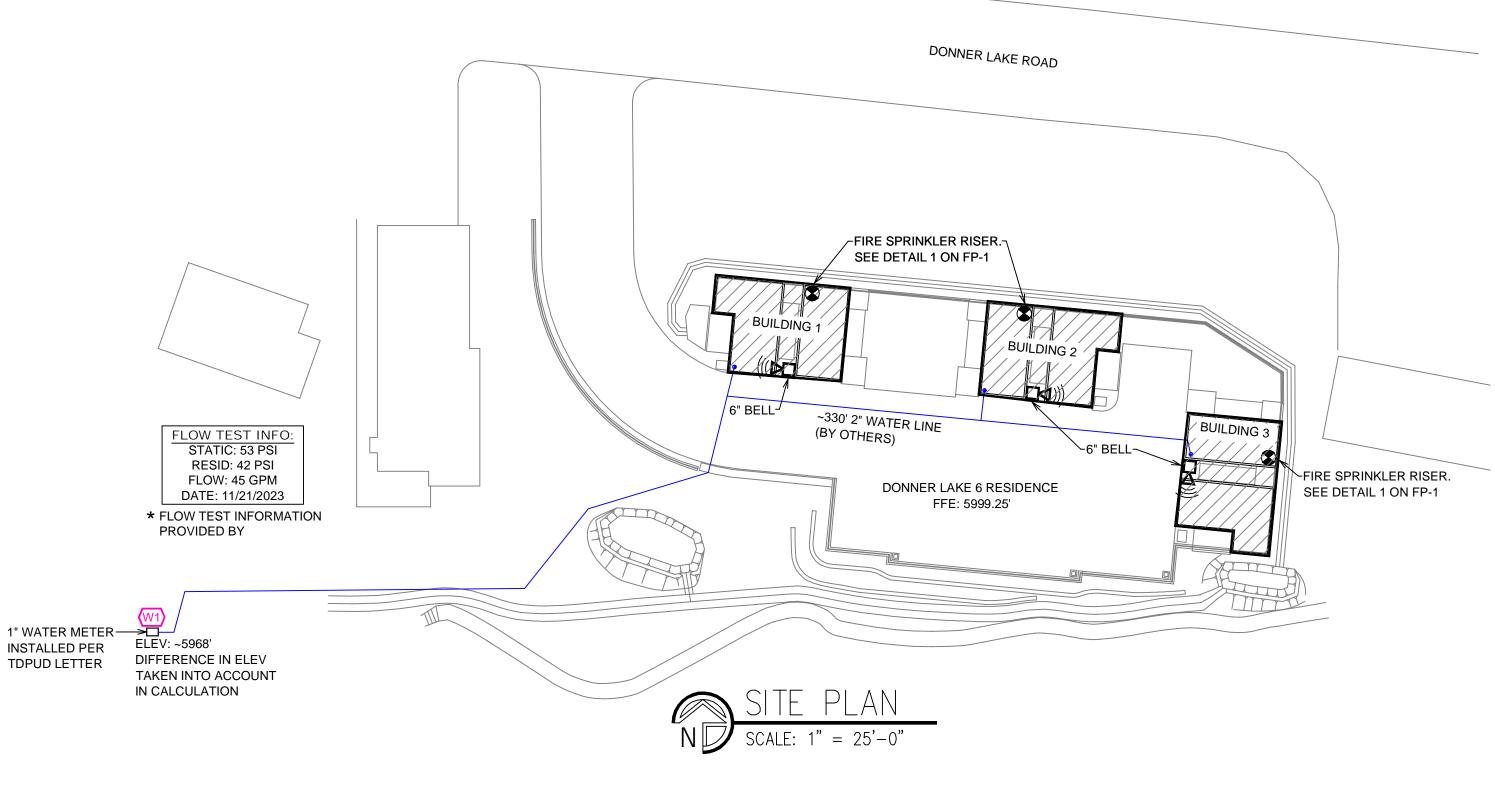


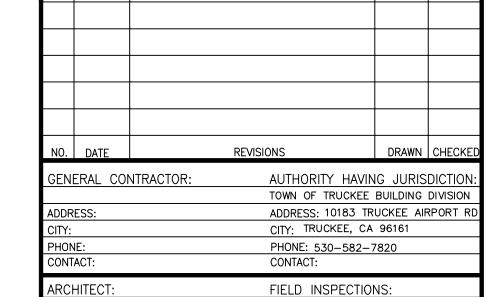






## HANGER DETAILS





#### FIRE SPRINKLER NOTES:

THE PROPOSED FIRE SPRINKLER SYSTEM IS AN ANTI-FREEZE SYSTEM
 AND SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13
 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.
- 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.
- 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).

SP	SPRINKLER HEAD LEGEND								
SYM	QTY	TYPE	MFG.	MODEL#	NPT	К	TEMP	FINISH	S.I.N.
⊚	6	CONCEALED	SENJU	RC-RES	1/2"	4.9	162	WHITE	SS8464
Ø	2	CONCEALED	SENJU	RC-RES	1/2"	4.9	205	WHITE	SS8464
•	5	SEMI-RECESS	SENJU	FR-RES	1/2"	4.9	205	WHITE	SS4451

### 13 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 & —— CHANGE ELEVATION DN
  TYPE DESIGNATION
  TYPE DESIGNATION
- HYDRAULIC REF PT

  GRVD OR THRD CAP

  GRVD COUPLING

  → INSPECTORS TEST

  → AUX DRAIN

  REVISION NOTATION
- TYPICAL POINT OF CONNECTION (POC)



PROJECT NAME: FIRE SPRINKLER PLANS FOR

DONNER LAKE 6 RESIDENCE

10199 DONNER LAKE RD.

TRUCKEE, CA 96161

DRAWING TITLE:

FIRE SPRINKLER PLAN

SCALE: 1/8"=1'-0"	JOB NO.:
DRAWN BY:	DWG NO.:
BORN ON DATE: 11/27/2023	FP-1
FILE:	SHEET 1 OF 1