

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

**PROJECT SUMMARY:**  
PROJECT NAME: 2615 PAINTED RIVER TRAIL  
PROJECT ADDRESS: 2615 PAINTED RIVER TRAIL, RENO, NV  
APN: 232-720-03  
PROJECT TYPE: ☒ NEW ☐ T.I.  
TYPE OF CONSTRUCTION: V  
OCCUPANCY GROUP(S): R3  
OCCUPIED LEVELS: 2  
TOTAL SPRINKLERED AREA: 11,854 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: 101  
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

### PROJECT SQUARE FOOTAGES

LOWER FLOOR (ZONE 1) = 5455 S.F.  
MAIN FLOOR (ZONE 2) = 6399 S.F.

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 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	N/A	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 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"

### SPRINKLER SPACING

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

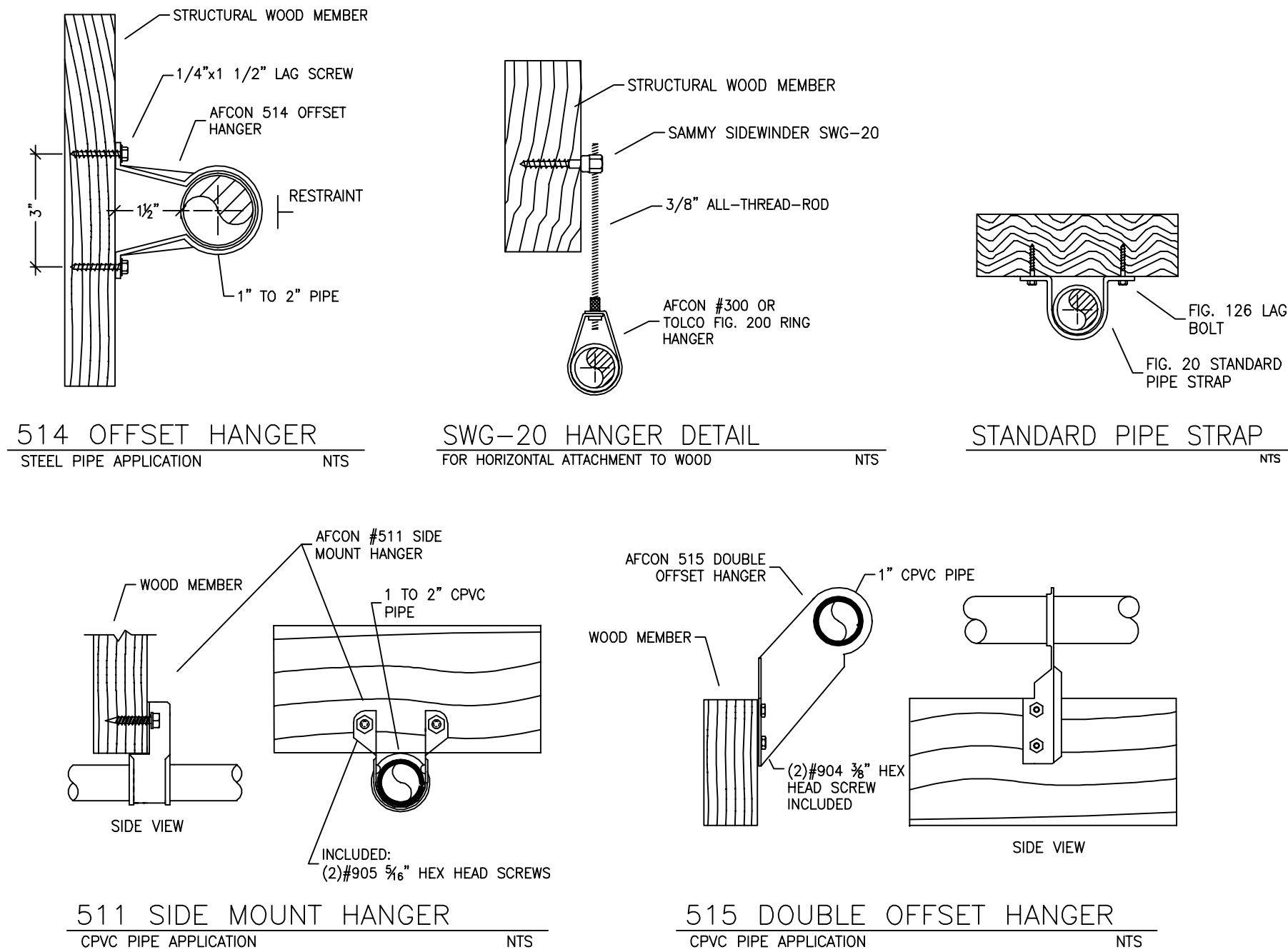
### RISER LEGEND

- 2" UNDERGROUND WATER SERVICE (BY OTHERS) (FLUSHING & TESTING OF THE UNDERGROUND SHALL BE COMPLETED PRIOR TO THE SPRINKLER SYSTEM HOOKUP. UNDERGROUND PAPERS ARE TO BE SUPPLIED TO THE "FP" CONTRACTOR BY THE G.C.)
- 2" x 1-1/4" REDUCER
- 1-1/4" AMES 2000B BACKFLOW PREVENTER
- 1-1/4" RISER MANIFOLD w/ FLOW SWITCH, PRESSURE GAUGE, & TEST AND DRAIN
- 1-1/4" THREAD X CPVC ADAPTER
- 1-1/4" TO SYSTEM
- MAIN DRAIN PIPED TO OUTSIDE

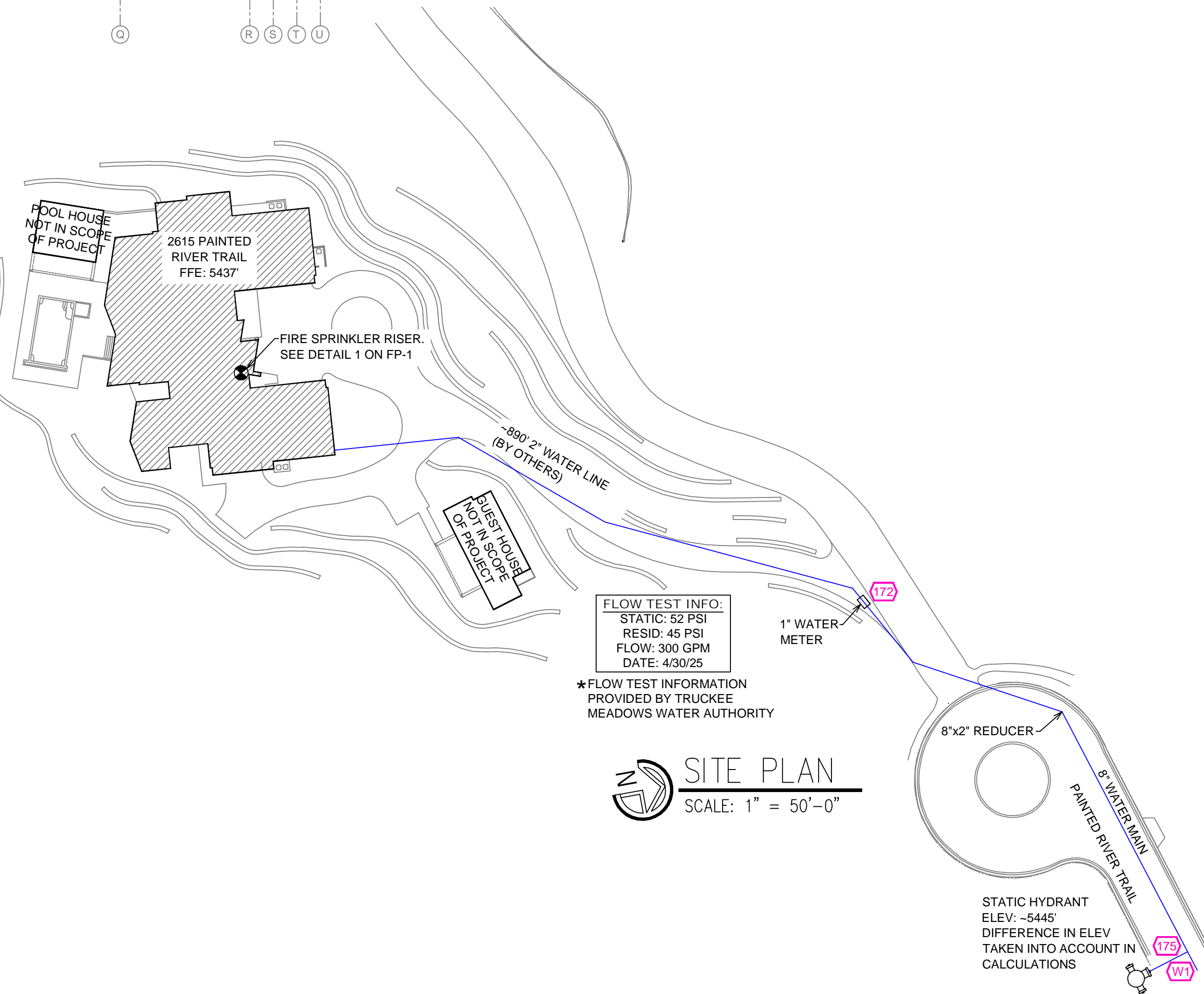
\* ALL WIRING/INTERFACING OF ALARMS BY OTHERS

\* ALL PIPING PENETRATING THE EXTERIOR WALL TO BE GALVANIZED

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



### HANGER DETAILS



FLOW TEST INFO:  
STATIC: 52 PSI  
RESID: 45 PSI  
FLOW: 300 GPM  
DATE: 4/30/25

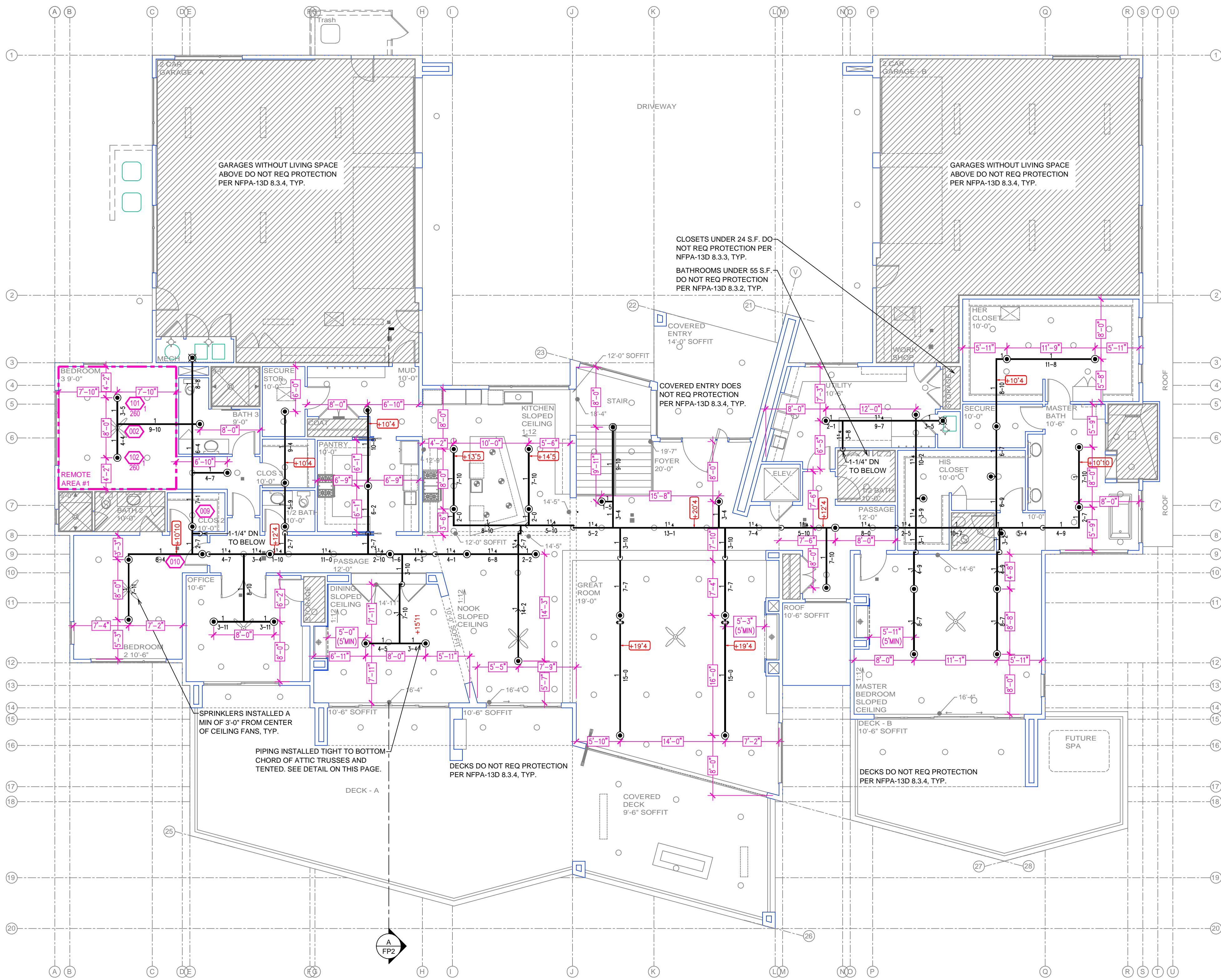
\*FLOW TEST INFORMATION PROVIDED BY TRUCKEE MEADOWS WATER AUTHORITY

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

STATIC HYDRANT ELEV.: -5445'  
DIFFERENCE IN ELEV. TAKEN INTO ACCOUNT IN CALCULATIONS

1		7/8/25	REVISIONS	DVG					
NO.	DATE	REVISIONS	DRAWN	CHECKED					
GENERAL CONTRACTOR:		AUTHORITY HAVING JURISDICTION:							
ADDRESS:		RENO FIRE DEPT							
CITY:		ADDRESS: 495 E 4TH ST							
PHONE:		CITY: RENO, NV 89512							
CONTACT:		PHONE: 775-334-2300							
ARCHITECT:		CONTACT:							
ADDRESS:		FIELD INSPECTIONS:							
CITY:		1.							
PHONE:		2.							
		3.							
		4.							
FIRE SPRINKLER NOTES:									
1. THE PROPOSED FIRE SPRINKLER SYSTEM IS A WET 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.
85	CONCEALED	SENJ	RC-RES	1/2"	4.9	162	WHITE	SS4464	
4	CONCEALED	SENJ	RC-RES	1/2"	4.9	205	WHITE	SS4464	
11	SEMI-RECESS	SENJ	FR-RES	1/2"	4.9	205	WHITE	SS4451	
1	SEMI-RECESS	SENJ	FR-OR	1/2"	5.6	286	WHITE	SS2551	
101 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									
PIPE HANGER & TYPE DESIGNATION									
HYDRAULIC REF PT									
GRVD OR THRD CAP									
GRVD COUPLING									
TYPICAL POINT OF CONNECTION (POC)									
SITE LOCATION:									
PROJECT NAME: FIRE SPRINKLER PLANS FOR									
2615 PAINTED RIVER TRAIL									
2615 PAINTED RIVER TRAIL									
RENO, NV 89523									
CITY: RENO, NV 89501									
PHONE: 615-370-1779									
FIELD INSPECTIONS:									
1.									
2.									
3.									
4.									
CITY OF RENO APPROVAL									
DRAWING TITLE:									
FIRE SPRINKLER PLAN									
SCALE: 1/8"=1'-0"									
JOB NO.:									
DWN NO.:									
DRAWN BY:									
BORN ON DATE: 6/24/2025									
FILE:									
SHEET 1 OF 2									

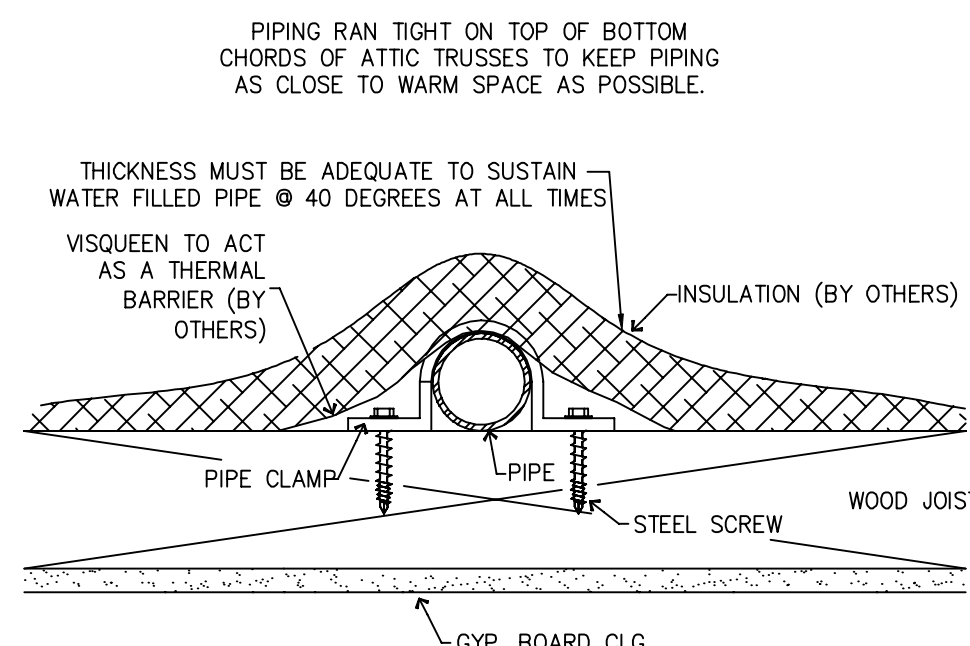




ND MAIN FLOOR FIRE SPRINKLER PLAN  
SCALE: 1/8" = 1'-0"



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



NOTES:  
• DO NOT INSTALL INSULATION BETWEEN THE SPRINKLER PIPING AND THE CEILING.  
• THE VISQUEEN AND INSULATION, PLACED OVER THE SPRINKLER PIPING, IS NECESSARY TO ACT AS A THERMAL BARRIER.  
• ADEQUATE HEATING MUST BE MAINTAINED BY OTHERS, AT ALL TIMES.

TENTING DETAIL

1	7/8/25	REVISIONS	DVG
NO.	DATE	REVISIONS	DRAWN CHECKED

GENERAL CONTRACTOR:	AUTHORITY HAVING JURISDICTION:
ADDRESS:	RENO FIRE DEPT
CITY:	ADDRESS: 495 E 4TH ST
PHONE:	CITY: RENO, NV 89512
CONTACT:	PHONE: 775-334-2300
ARCHITECT:	CONTACT:
ADDRESS:	FIELD INSPECTIONS:
CITY:	1.
PHONE:	2.
	3.
	4.

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101 TOTAL SPRINKLERS ON THIS SHEET

FIRE SPRINKLER SYMBOLS	
⊗	AUTOMATIC SPRINKLER RISER
⊕	EARTHQUAKE BRACING
2-WAY & 4-WAY	CHANGE ELEVATION UP
PIPE HANGER & TYPE DESIGNATION	CHANGE ELEVATION DN
HYDRAULIC REF PT	INSPECTORS TEST
GRID OR THRD CAP	AUX DRAIN
GRID COUPLING	REVISION NOTATION
⊕	TYPICAL POINT OF CONNECTION (POC)
⊕	LOCAL ALARM



PROJECT NAME: FIRE SPRINKLER PLANS FOR  
**2615 PAINTED RIVER TRAIL**  
2615 PAINTED RIVER TRAIL  
RENO, NV 89523

CITY: RENO, NV 89501  
PHONE: 615-370-1779  
FIELD INSPECTIONS:  
1.  
2.  
3.  
4.

CITY OF RENO APPROVAL  
CITY OF RENO MULTI-DIVISIONAL APPROVAL BOX

DRAWING TITLE:  
**FIRE SPRINKLER PLAN**

SCALE: 1/8"=1'-0"  
DRAWN BY:  
BORN ON DATE: 6/24/2025  
FILE:  
JOB NO.:  
DWG NO.:  
FP-2  
SHEET 2 OF 2