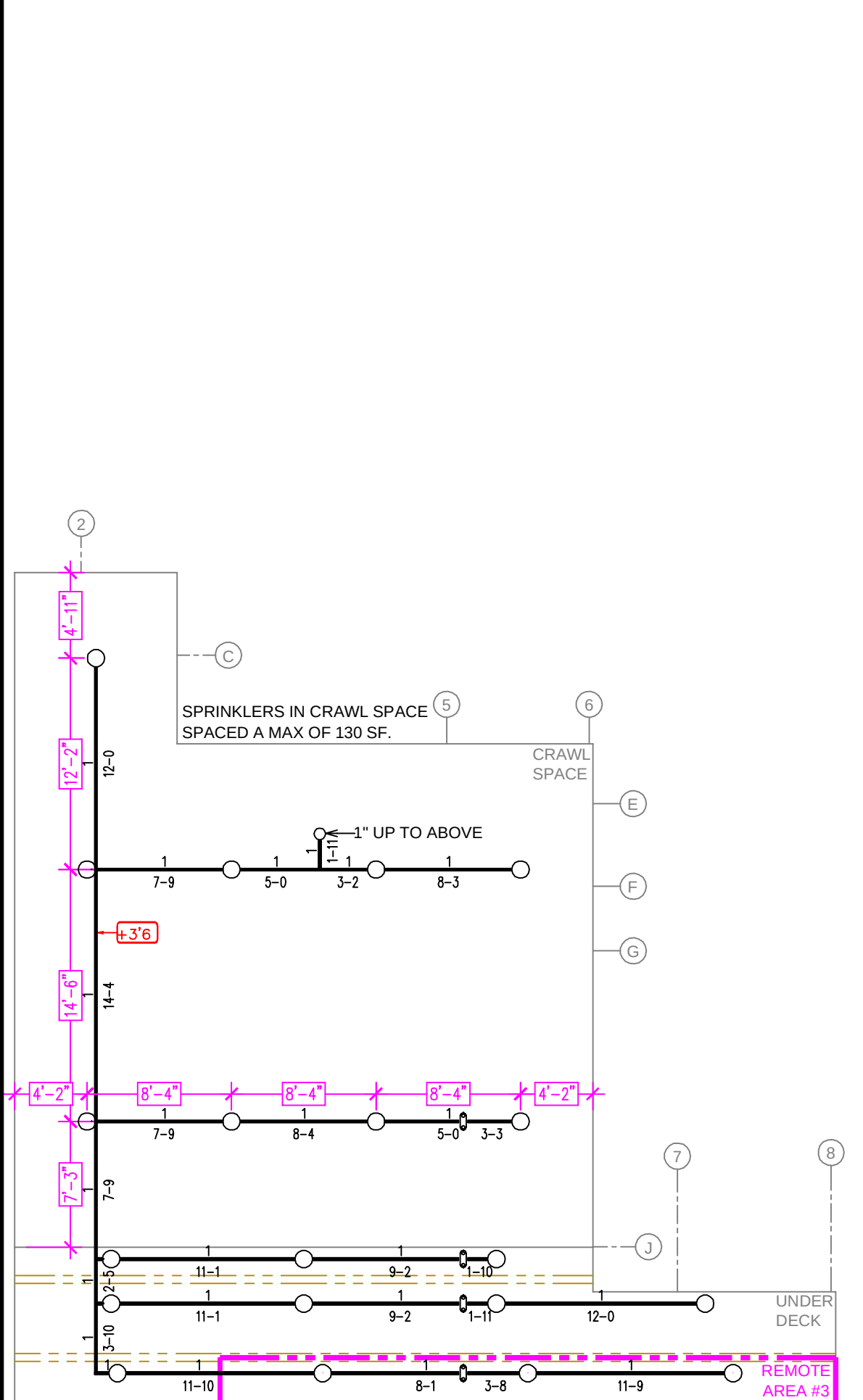
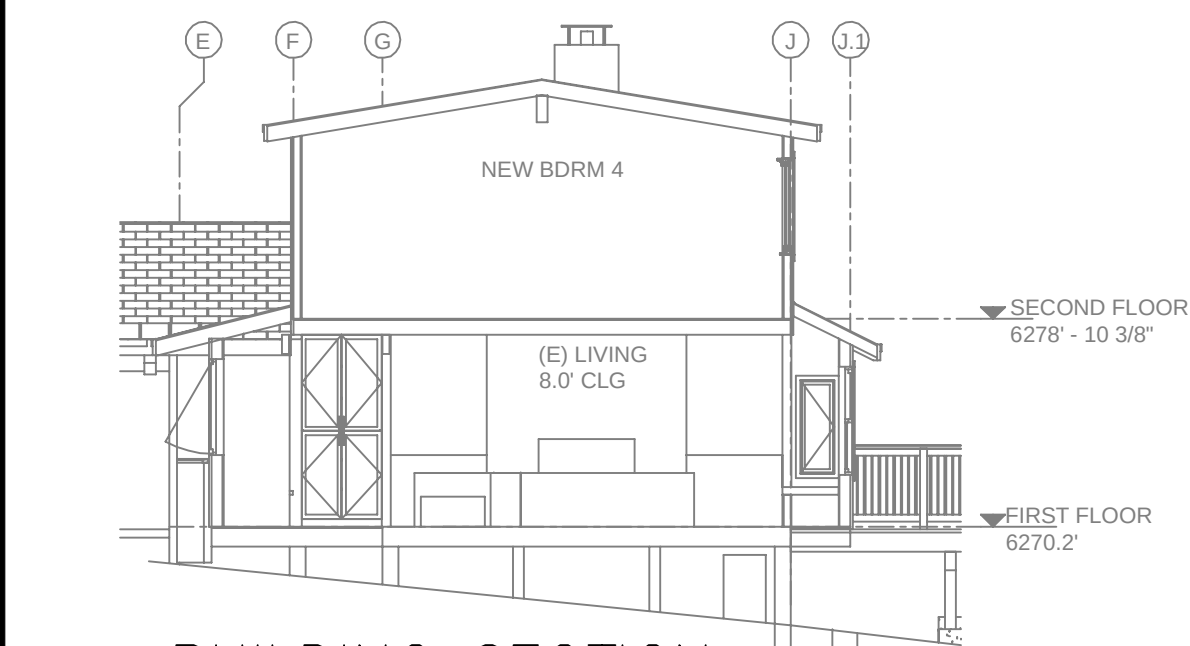




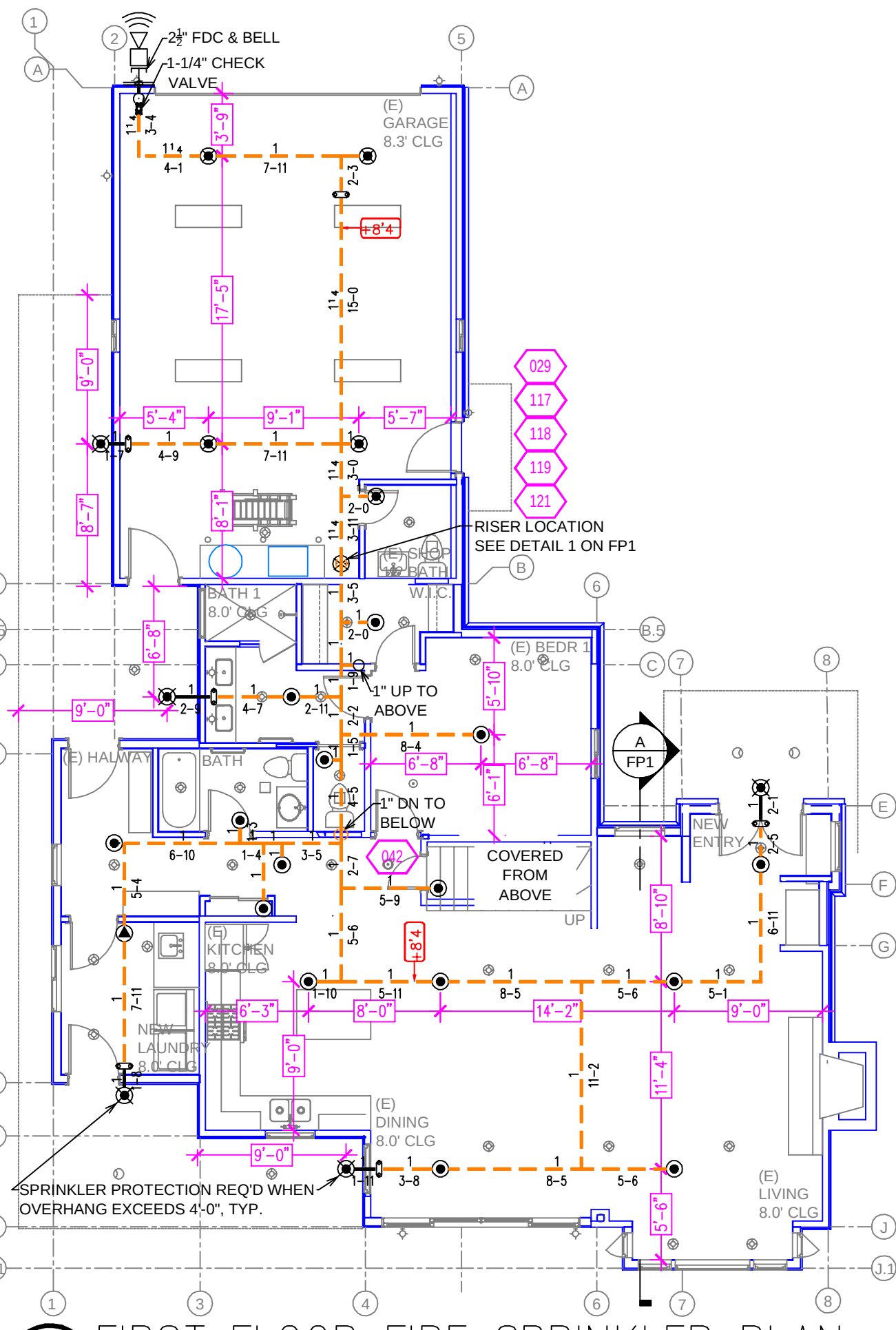
CRAWL SPACE FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

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 0-250 WATT	6"	3"

PROJECT SUMMARY:
PROJECT NAME: FISHER RESIDENCE
PROJECT ADDRESS: 5250 TURQUOISE, CARNELIAN BAY, CA 91404
APN: 115-030-103
PROJECT TYPE: ☐ NEW ☒ T.I.
TYPE OF CONSTRUCTION: V
OCCUPANCY GROUP(S): R3
OCCUPIED LEVELS: 2
TOTAL SPRINKLERED AREA: 5143 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: 72
SPECIAL NOTES: SEE FIRE SPRINKLER NOTES THIS SHEET



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



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

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

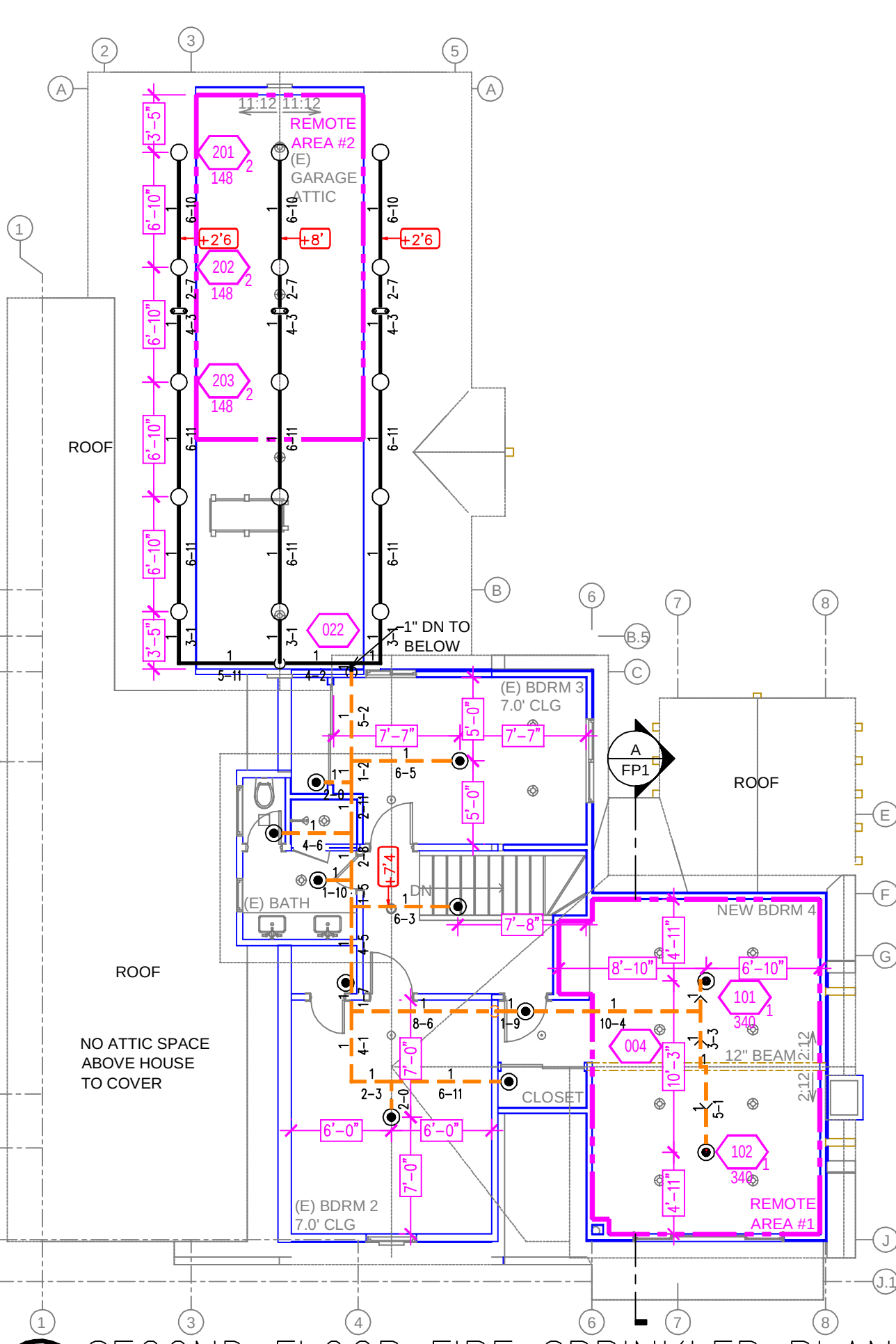
SPRINKLER SPACING
1. A SINGLE PENDENT SPRINKLER MAY BE SPACED AT A MAXIMUM OF 18'x18' (324 SQ. FT.) OR UP TO 9' OFF A WALL (MINIMUM 8'-0" BETWEEN SPRINKLERS).
2. TWO OR MORE HEADS IN A COMPARTMENT SHALL BE SPACED AT A MAXIMUM OF 18'x18' (324 SQ. FT.) OR UP TO 9' OFF A WALL UNO. (MINIMUM 8'-0" BETWEEN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

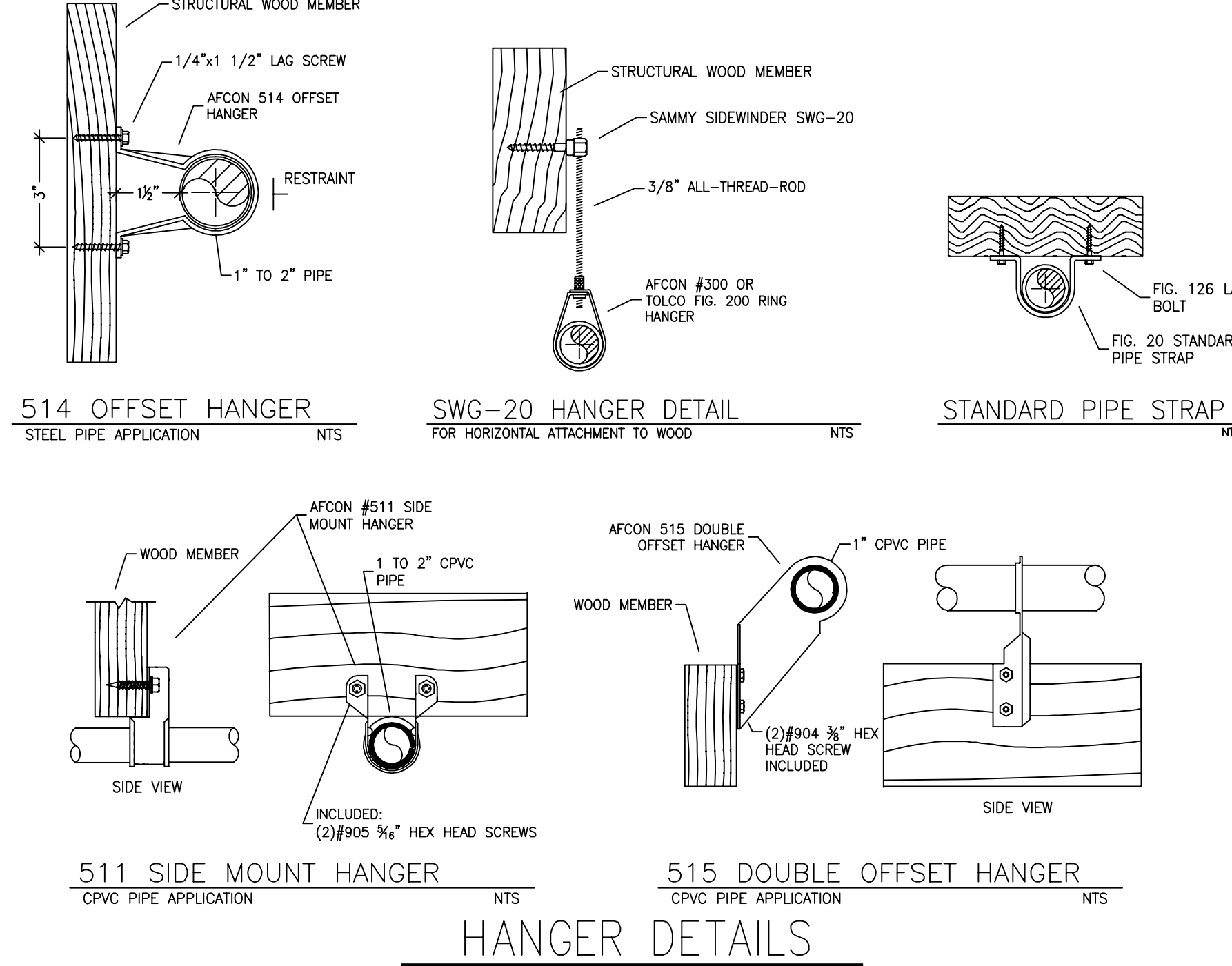
SUBMITTAL

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
CRAWL SPACE = 1442 S.F.
FIRST FLOOR = 2027 S.F.
SECOND FLOOR = 910 S.F.
ATTIC = 764 S.F.

PIPE VOLUMES:			
TOTAL PIPE FOOTAGE AND CAPACITY: 1" CPVC = 315' (15.58 GAL) 1" STEEL = 300' (13.47 GAL) 1-1/4" STEEL = 12' (0.93 GAL) ADD 10% FOR DROPS AND PIPE SIZE DISCREPANCIES TOTAL VOLUME: ±32.98 GALLONS			
NFPA 13 - Table A.7.2.3 Capacity of 1 ft. of pipe (Based on Actual Internal Pipe Diameter)			
Nominal Pipe Diameter (in.)	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	



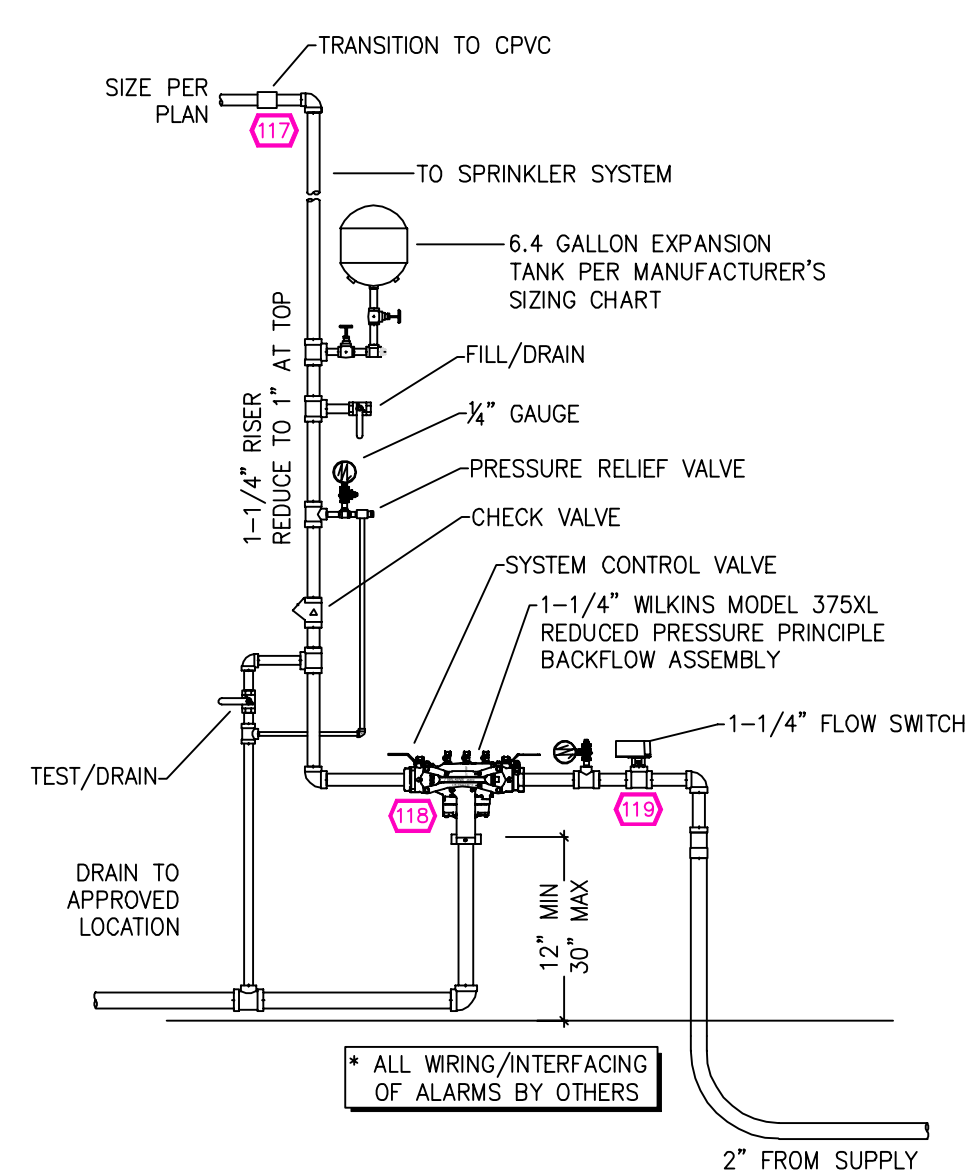
SECOND FLOOR FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"



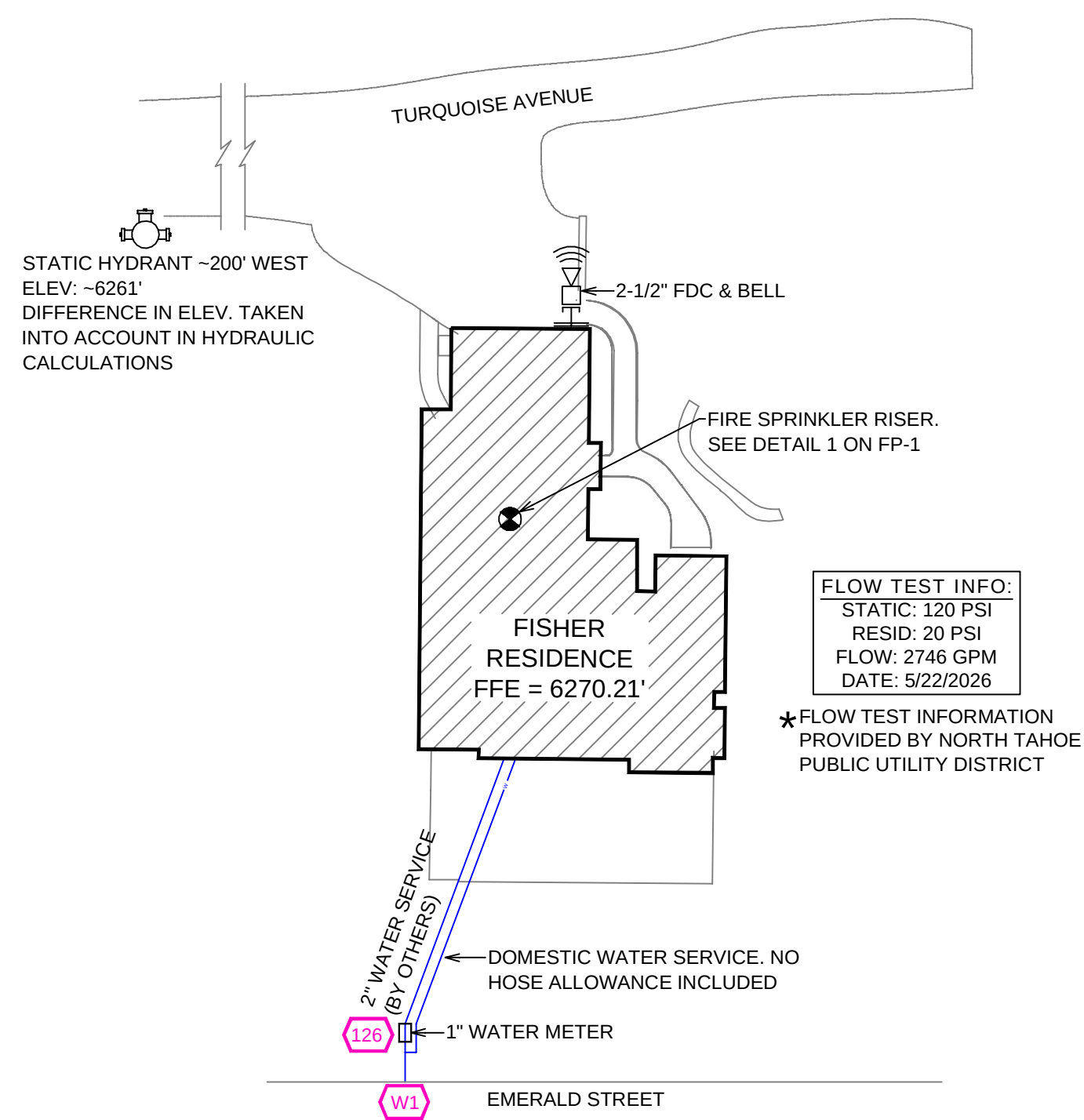
REMOTE AREA 1	REMOTE AREA 2	REMOTE AREA 3
Hydraulically Calculated System This system as shown on Fire Protection Plan company print no. FP1 dated 6/23/2026 for FISHER RESIDENCE at NEW BEDROOM 4 contract no. [] is designed to discharge at a rate of 0.05 gpm (L/min) per sq ft (m²) of floor area over a maximum area of NFPA 13D - 2 SPRINKLERS sq ft (m²) when supplied with water at the rate of 34.4 gpm (L/min) at 65.6 psi (bars) at the base of the riser. Hose stream allowance of 0 gpm (L/min) is included in the above. Occupancy classification 130 LIGHT HAZARD Commodity classification N/A Maximum storage height N/A Safety factor 54.4	Hydraulically Calculated System This system as shown on Fire Protection Plan company print no. FP1 dated 6/23/2026 for FISHER RESIDENCE at ATTIC contract no. [] is designed to discharge at a rate of 0.10 gpm (L/min) per sq ft (m²) of floor area over a maximum area of NFPA 13D - 3 SPRINKLERS sq ft (m²) when supplied with water at the rate of 47.4 gpm (L/min) at 87.9 psi (bars) at the base of the riser. Hose stream allowance of 0 gpm (L/min) is included in the above. Occupancy classification 130 LIGHT HAZARD Commodity classification N/A Maximum storage height N/A Safety factor 32.1	Hydraulically Calculated System This system as shown on Fire Protection Plan company print no. FP1 dated 6/23/2026 for FISHER RESIDENCE at CRAWL SPACE contract no. [] is designed to discharge at a rate of 0.10 gpm (L/min) per sq ft (m²) of floor area over a maximum area of NFPA 13D - 3 SPRINKLERS sq ft (m²) when supplied with water at the rate of 49.3 gpm (L/min) at 112.9 psi (bars) at the base of the riser. Hose stream allowance of 0 gpm (L/min) is included in the above. Occupancy classification 130 LIGHT HAZARD Commodity classification N/A Maximum storage height N/A Safety factor 7.0

PIPE LEGEND

--- CPVC PIPING
— BLACK STEEL PIPING



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



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

GENERAL CONTRACTOR: AUTHORITY HAVING JURISDICTION: NORTH TAHOE FIRE DISTRICT																																																													
ADDRESS: 222 FAIRWAY DRIVE																																																													
CITY: TAHOE CITY, CA																																																													
PHONE: 530-5836911																																																													
CONTACT: CONTACT:																																																													
ARCHITECT: FIELD INSPECTIONS:																																																													
ADDRESS: 2.																																																													
CITY: 3.																																																													
PHONE: 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 WITH MODIFICATIONS MANDATED BY THE AHJ AS FOLLOWS: <ul style="list-style-type: none">SPRINKLER PROTECTION FOR BALCONIES, DECKS, PATIOS & OTHER OVERHANGS OVER 4'-0".PROTECTION IN ALL BATHROOMS, CLOSETS, ATTIC & CRAWL SPACE2-1/2" FDC																																																													
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 DIMENSIONS SHOWN ARE CENTER TO CENTER U.O.N.																																																													
5. ALL HANGERS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13D AND/OR NFPA 13 REQUIREMENTS.																																																													
6. HOLES THROUGH SOLID STRUCTURAL MEMBERS SHALL BE PERMITTED TO SERVE AS HANGERS FOR THE SUPPORT OF SYSTEM PIPING.																																																													
7. ALL SYSTEM PIPING SHALL BE TESTED FOR LEAKAGE AT NORMAL SYSTEM OPERATING PRESSURE.																																																													
8. 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																																																													
<table><tr><th>SYM</th><th>QTY</th><th>TYPE</th><th>MFG.</th><th>MODEL#</th><th>NPT</th><th>K</th><th>TEMP</th><th>FINISH</th><th>S.I.N.</th></tr><tr><td>26</td><td>1</td><td>CONCEALED</td><td>SENJU</td><td>RC-RES</td><td>1/2"</td><td>4.9</td><td>162</td><td>WHITE</td><td>SS8464</td></tr><tr><td>5</td><td>5</td><td>EXPOSED</td><td>SENJU</td><td>FR-RES</td><td>1/2"</td><td>4.9</td><td>205</td><td>BRASS</td><td>SS4451</td></tr><tr><td>5</td><td>5</td><td>SEMI-RECESSED</td><td>SENJU</td><td>FR-RES</td><td>1/2"</td><td>4.9</td><td>205</td><td>WHITE</td><td>SS4451</td></tr><tr><td>1</td><td>1</td><td>CONCEALED</td><td>SENJU</td><td>RC-RES</td><td>1/2"</td><td>4.9</td><td>205</td><td>WHITE</td><td>SS8464</td></tr><tr><td>35</td><td>35</td><td>EXPOSED</td><td>SENJU</td><td>FR-OR</td><td>1/2"</td><td>5.6</td><td>205</td><td>BRASS</td><td>SS2592</td></tr></table>		SYM	QTY	TYPE	MFG.	MODEL#	NPT	K	TEMP	FINISH	S.I.N.	26	1	CONCEALED	SENJU	RC-RES	1/2"	4.9	162	WHITE	SS8464	5	5	EXPOSED	SENJU	FR-RES	1/2"	4.9	205	BRASS	SS4451	5	5	SEMI-RECESSED	SENJU	FR-RES	1/2"	4.9	205	WHITE	SS4451	1	1	CONCEALED	SENJU	RC-RES	1/2"	4.9	205	WHITE	SS8464	35	35	EXPOSED	SENJU	FR-OR	1/2"	5.6	205	BRASS	SS2592
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DRAWN BY: BORN ON DATE: 6/23/2026																																																													
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SHEET 1 OF 1																																																													