

PROJECT SQUARE FOOTAGES

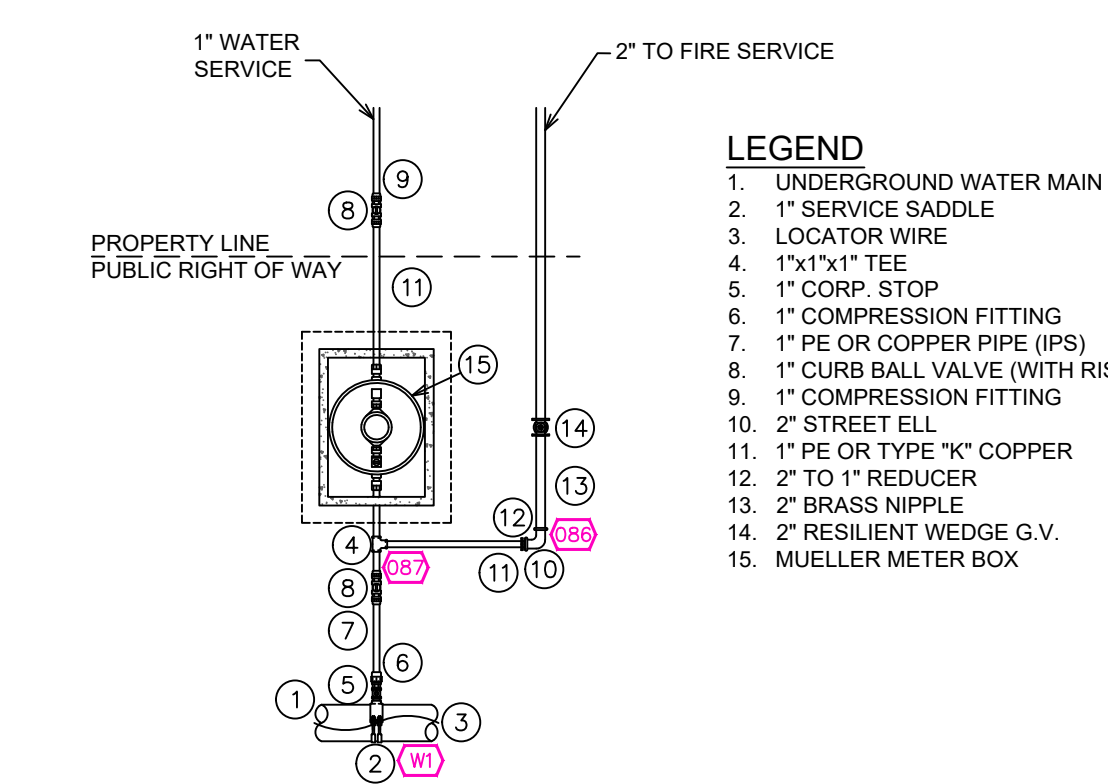
| | |
|---|-------------|
| LOWER LEVEL | = 1257 S.F. |
| MAIN LEVEL | = 7309 S.F. |
| UPPER LEVEL | = 2089 S.F. |
| UPPER LEVEL OFFICE | = 603 S.F. |
| ZONE 1: 11,258 S.F. | |
| GYM | = 279 S.F. |
| POOL MECHANICAL | = 288 S.F. |
| ZONE 2: 603 S.F. | |
| ZONE 1 & 2 TOTAL = 11,825 S.F. | |

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

SPRINKLER SPACING

- A SINGLE PENDENT SPRINKLER MAY BE SPACED AT A MAXIMUM OF 20'x20'(400SQ. FT.) OR UP TO 10' OFF A WALL.
- 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. HEADS ON LOWER LEVEL MAY BE SPACED 18'x18'.
- SPRINKLERS SHALL BE MEASURED AT PERPENDICULAR ANGLES TO WALLS AND ALONG THE SLOPES OF CEILINGS.

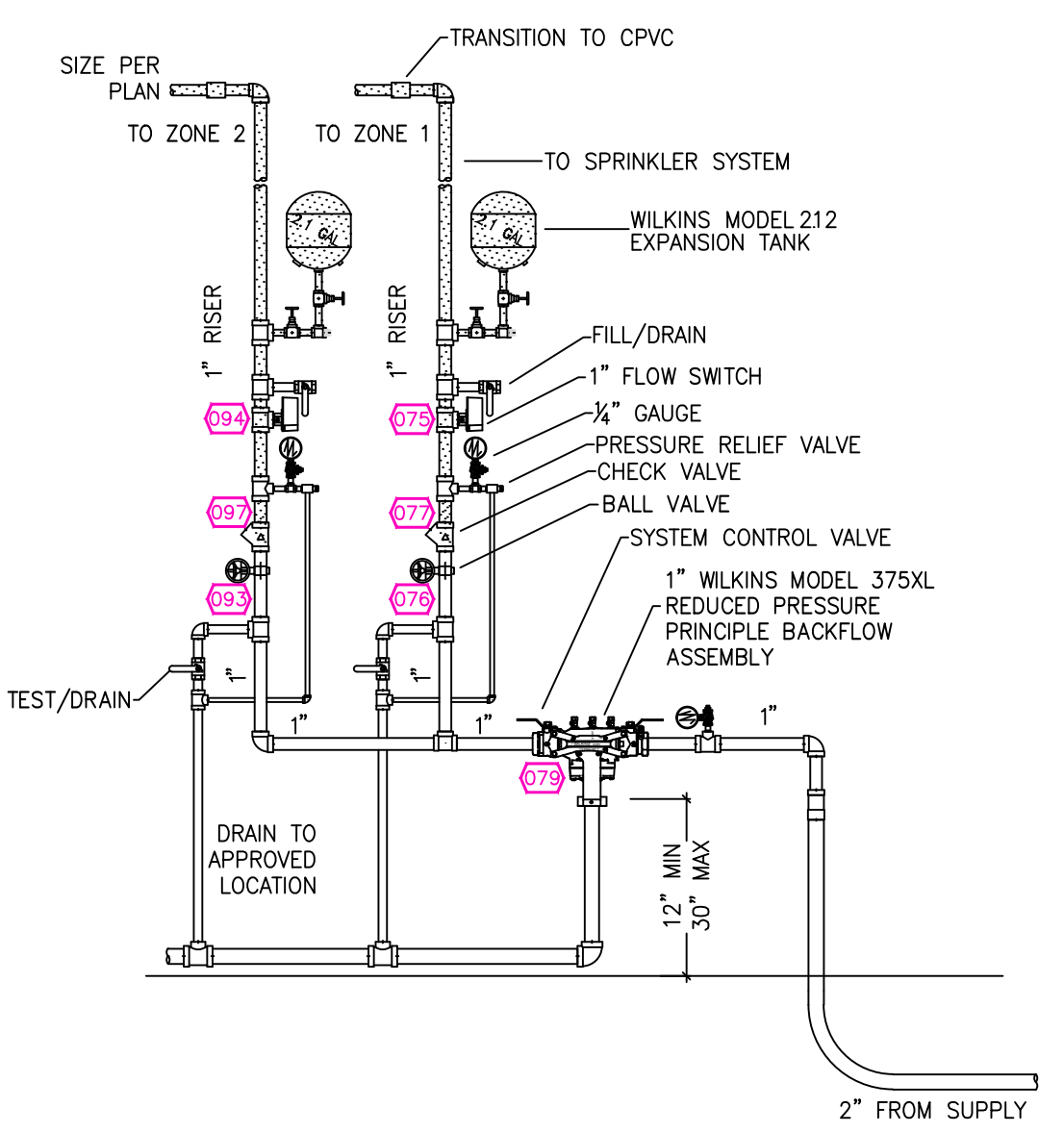
SUBMITTAL



2 WATER METER DETAIL
SCALE: NTS

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

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



1 RISER DETAIL
SCALE: NTS

PROJECT SUMMARY:
 PROJECT NAME: MARTIS CAMP HOMESITE
 PROJECT ADDRESS: 8700 SCHROEDER CT. TRUCKEE, CA 96161
 APN: _____
 PROJECT TYPE: NEW T.I.
 TYPE OF CONSTRUCTION: V
 OCCUPANCY GROUP(S): R3
 OCCUPIED LEVELS: 2
 TOTAL SPRINKLERED AREA: 11,825 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: 79
 SPECIAL NOTES: SEE FIRE SPRINKLER NOTES THIS SHEET

REMOTE AREA 1
Hydraulically Calculated System

This system as shown on Fire Protection Plan company print no. FPI dated 5/5/2021 for Martis Lot #380 Griffith at Office 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 _____ sq ft (m²) when supplied with water at the rate of 4.11 gpm (L/min) at 118.0 psi (bars) at the base of the riser. Hose stream allowance of 5 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

REMOTE AREA 2
Hydraulically Calculated System

This system as shown on Fire Protection Plan company print no. FPI dated 5/5/2021 for Martis Lot #380 Griffith at Bunk Media Room 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 _____ sq ft (m²) when supplied with water at the rate of 26.0 gpm (L/min) at 67.1 psi (bars) at the base of the riser. Hose stream allowance of 5 gpm (L/min) is included in the above.

Occupancy classification: 130 LIGHT HAZARD
 Commodity classification: N/A
 Maximum storage height: N/A
 Safety factor: 57.9

REMOTE AREA 3
Hydraulically Calculated System

This system as shown on Fire Protection Plan company print no. FPI dated 5/5/2021 for Martis Lot #380 Griffith at Gym 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 _____ sq ft (m²) when supplied with water at the rate of 26.0 gpm (L/min) at 59.2 psi (bars) at the base of the riser. Hose stream allowance of 5 gpm (L/min) is included in the above.

Occupancy classification: 130 LIGHT HAZARD
 Commodity classification: N/A
 Maximum storage height: N/A
 Safety factor: 65.8

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 | 6" | 3" |

PIPE VOLUMES HOUSE (ZONE 1): (CPVC)

TOTAL PIPE FOOTAGE AND CAPACITY:
 1" = 473' (14.74 GAL)
 1/2" = 433' (21.41 GAL)

ADD 10% FOR DROPS AND PIPE SIZE DISCREPANCIES
 TOTAL VOLUME: ±39.77GALLONS

PIPE VOLUMES GYM (ZONE 2): (CPVC)

TOTAL PIPE FOOTAGE AND CAPACITY:
 1" = 115' (5.89 GAL)
 1/2" = 22' (3.60 GAL)

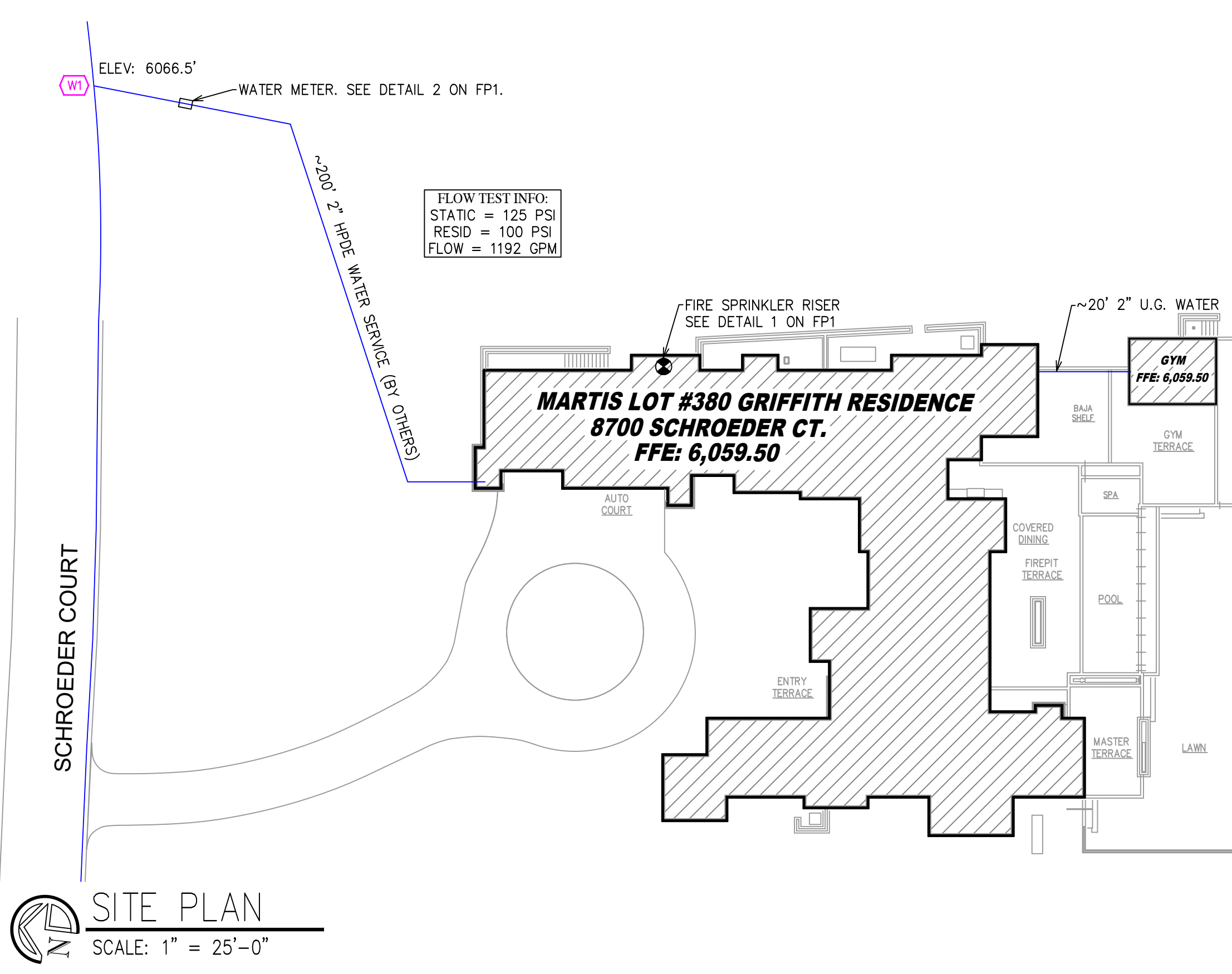
ADD 10% FOR DROPS AND PIPE SIZE DISCREPANCIES
 TOTAL VOLUME: ±10.22GALLONS

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 | | |
|-----------------------------|---------------|-------------|-------|
| | Schedule 40 | Schedule 10 | CPVC |
| 1 | 0.045 | 0.049 | 0.049 |
| 1/2 | 0.078 | 0.085 | 0.079 |
| 2 | 0.174 | 0.190 | |
| 2 1/2 | 0.248 | 0.283 | |

NFPA 13 - Table 9.2.2.1(a) Maximum Distance Between Hangers (ft.-in.)

| Nominal Pipe Size (in.) | Maximum Distance Between Hangers (ft.-in.) | | | | | | | | |
|--------------------------------------|--|------|------|-------|------|-------|------|------|------|
| | 1/2 | 3/4 | 1 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 8 |
| Steel Pipe except threaded lighthall | N/A | 12-0 | 12-0 | 15-0 | 15-0 | 15-0 | 15-0 | 15-0 | 15-0 |
| Threaded lighthall steel pipe | N/A | 12-0 | 12-0 | 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 |
| CPVC | 5-6 | 6-0 | 6-6 | 7-0 | 8-0 | 9-0 | 10-0 | N/A | N/A |



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

| NO. | DATE | REVISIONS | DRAWN | CHECKED |
|-----|------|-----------|-------|---------|
| | | | | |

GENERAL CONTRACTOR: AUTHORITY HAVING JURISDICTION:
 ADDRESS: TOWN OF TRUCKEE BUILDING DIVISION
 ADDRESS: 10183 TRUCKEE AIRPORT RD
 CITY: TRUCKEE, CA 96161
 PHONE: 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 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 AND SHALL BE ABLE TO PROVIDE A MINIMUM DISCHARGE OF 17 GPM TO ANY SINGLE SPRINKLER.
- 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.
- HOLE 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).

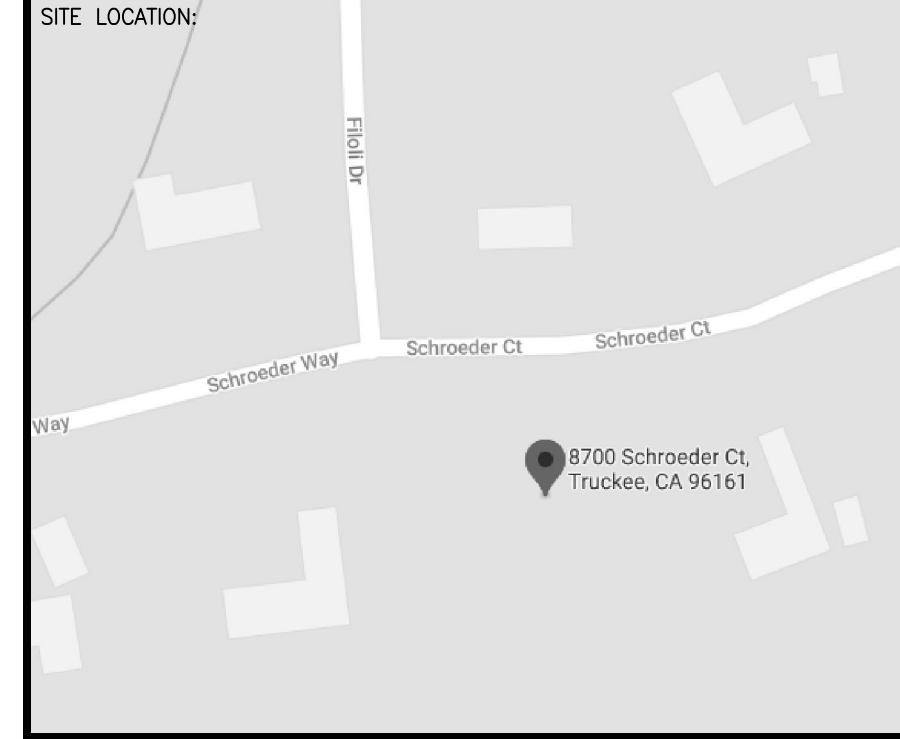
SPRINKLER HEAD LEGEND

| SYM | QTY | TYPE | MFG. | MODEL# | NPT | K | TEMP | FINSH | SJAN |
|-----|-----|------------|------|--------|------|-----|------|-------|--------|
| ⊗ | 67 | CONCEALED | SENJ | RC-RES | 1/2" | 4.9 | 162 | WHITE | SS8464 |
| ⊗ | 10 | SEM-RECESS | SENJ | FR-RES | 1/2" | 4.9 | 175 | WHITE | SS4451 |

77 TOTAL SPRINKLERS

FIRE SPRINKLER SYMBOLS

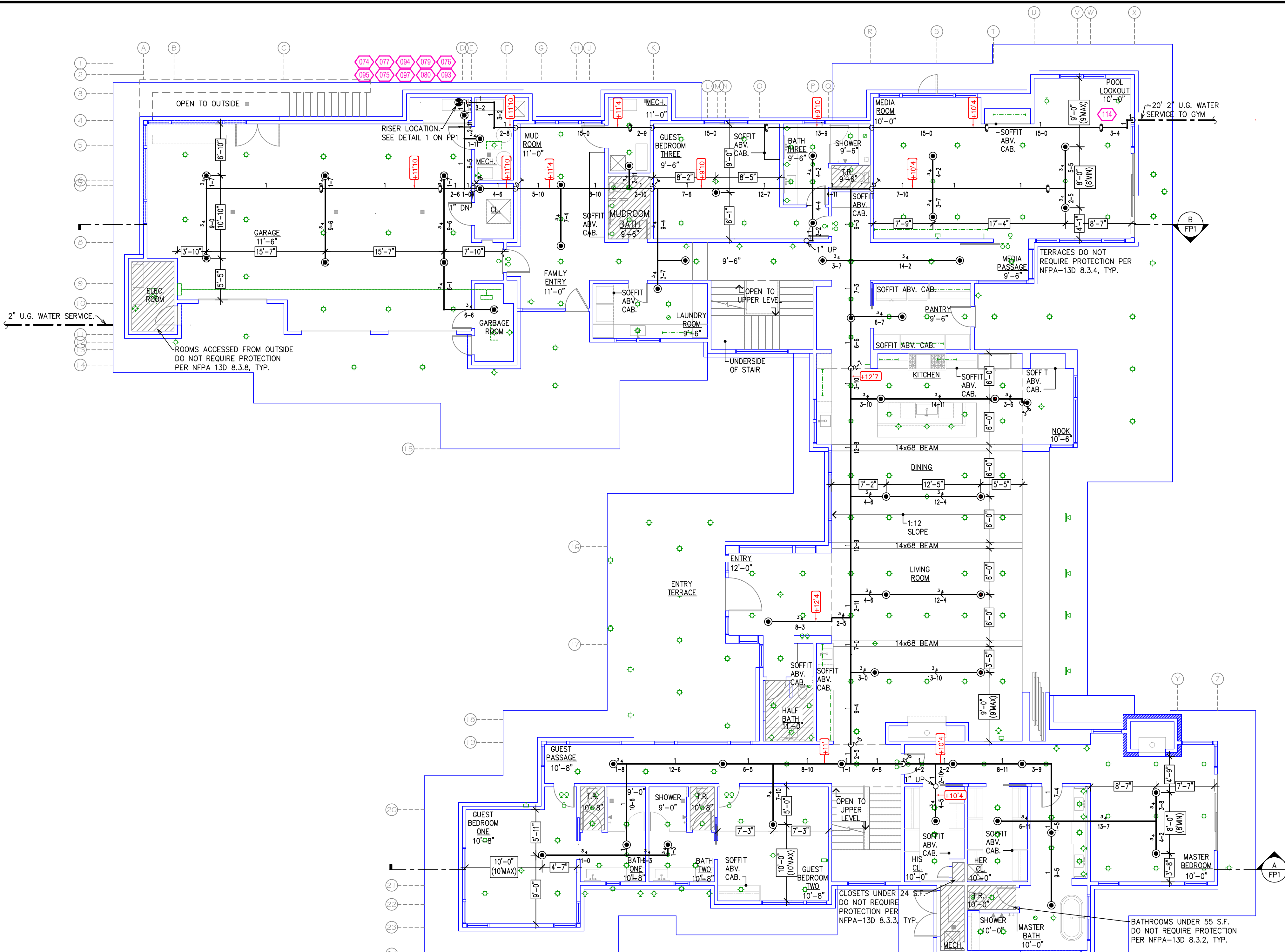
| | | |
|---|-----------------------------------|------------------------------------|
| ⊗ | AUTOMATIC SPRINKLER RISER | +13" ELEV. BELOW DECK OR TOS |
| ⊕ | EARTHQUAKE BRACING | +12"-9" ELEV. ABOVE FINISHED FLOOR |
| + | 2-WAY & 4-WAY | — CHANGE ELEVATION UP |
| + | PIPE HANGER & HYDRAULIC REF PT | — CHANGE ELEVATION DN |
| + | TYPE DESIGNATION | — INSPECTORS TEST |
| + | GRVD OR THRD CAP | — AUX DRAIN |
| + | GRVD COUPLING | — REVISION NOTATION |
| + | TYPICAL POINT OF CONNECTION (POC) | — LOCAL ALARM |



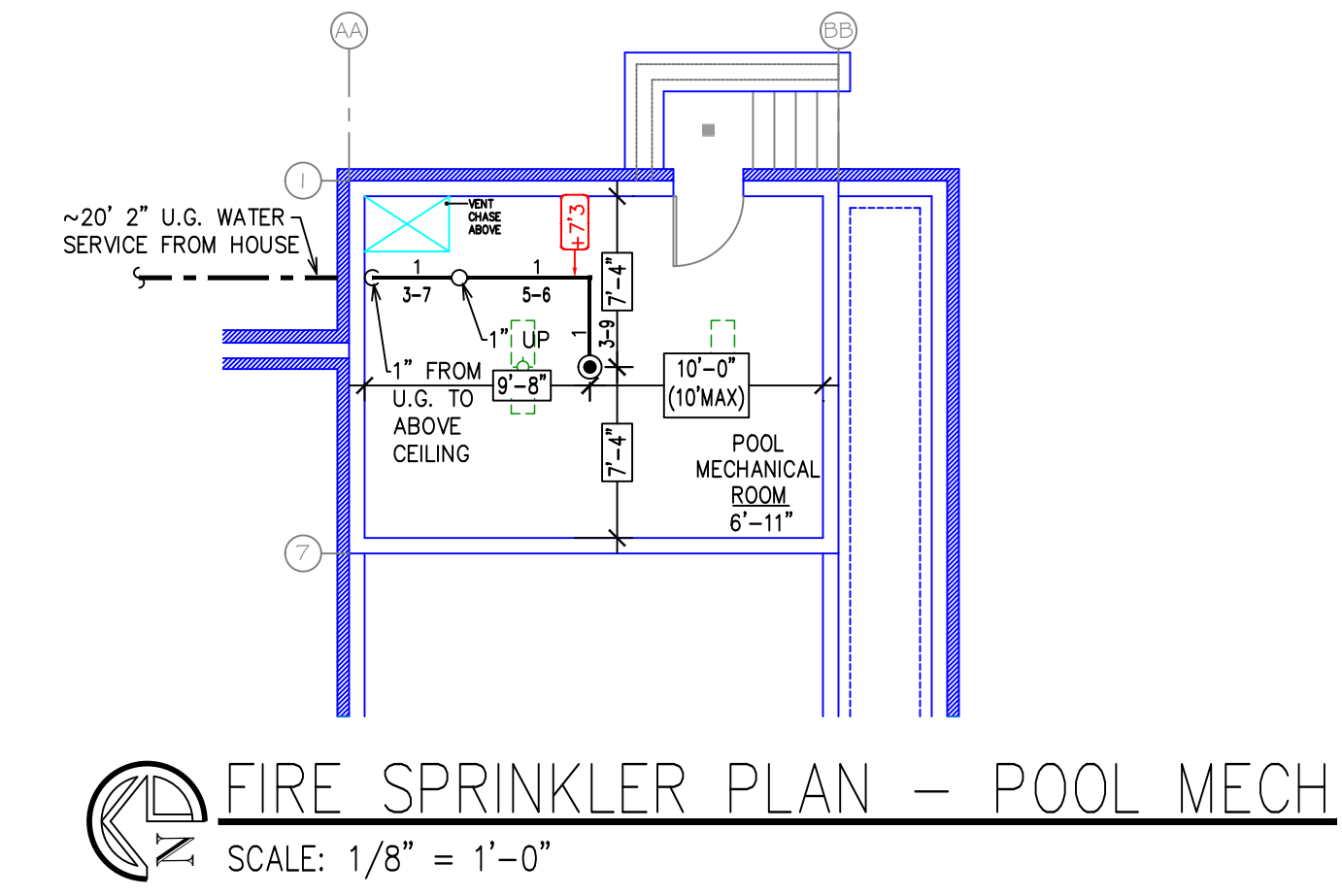
PROJECT NAME: FIRE SPRINKLER PLANS FOR
MARTIS LOT #380 GRIFFITH RESIDENCE
 8700 SCHROEDER CT. TRUCKEE, CA

DRAWING TITLE:
FIRE SPRINKLER PLAN

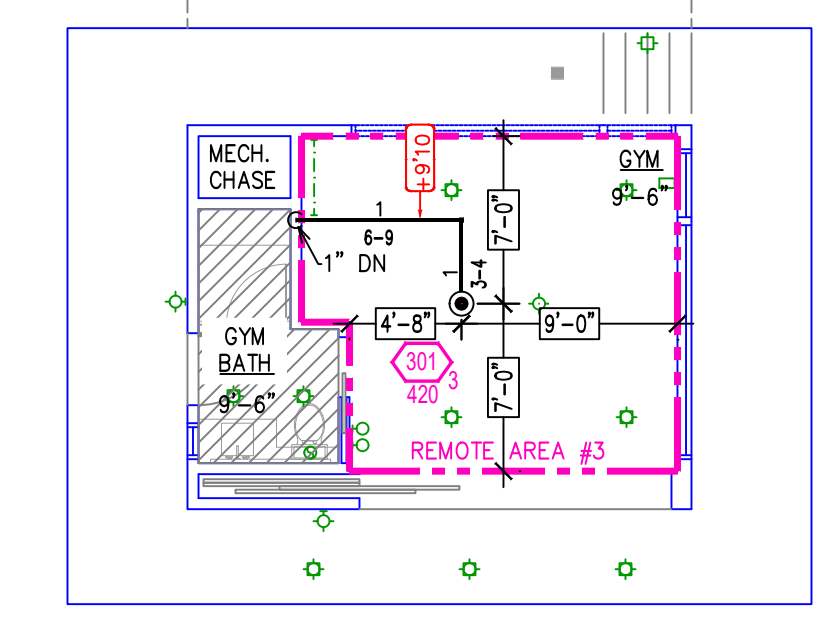
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|------------------------|-------------------|
| SCALE: 1/8"=1'-0" | JOB NO.: 5/5/2021 |
| DRAWN BY: | DWG NO.: |
| BORN ON DATE: 5/5/2021 | FP-1 |
| FILE: 5/5/2021 | SHEET 1 OF 2 |



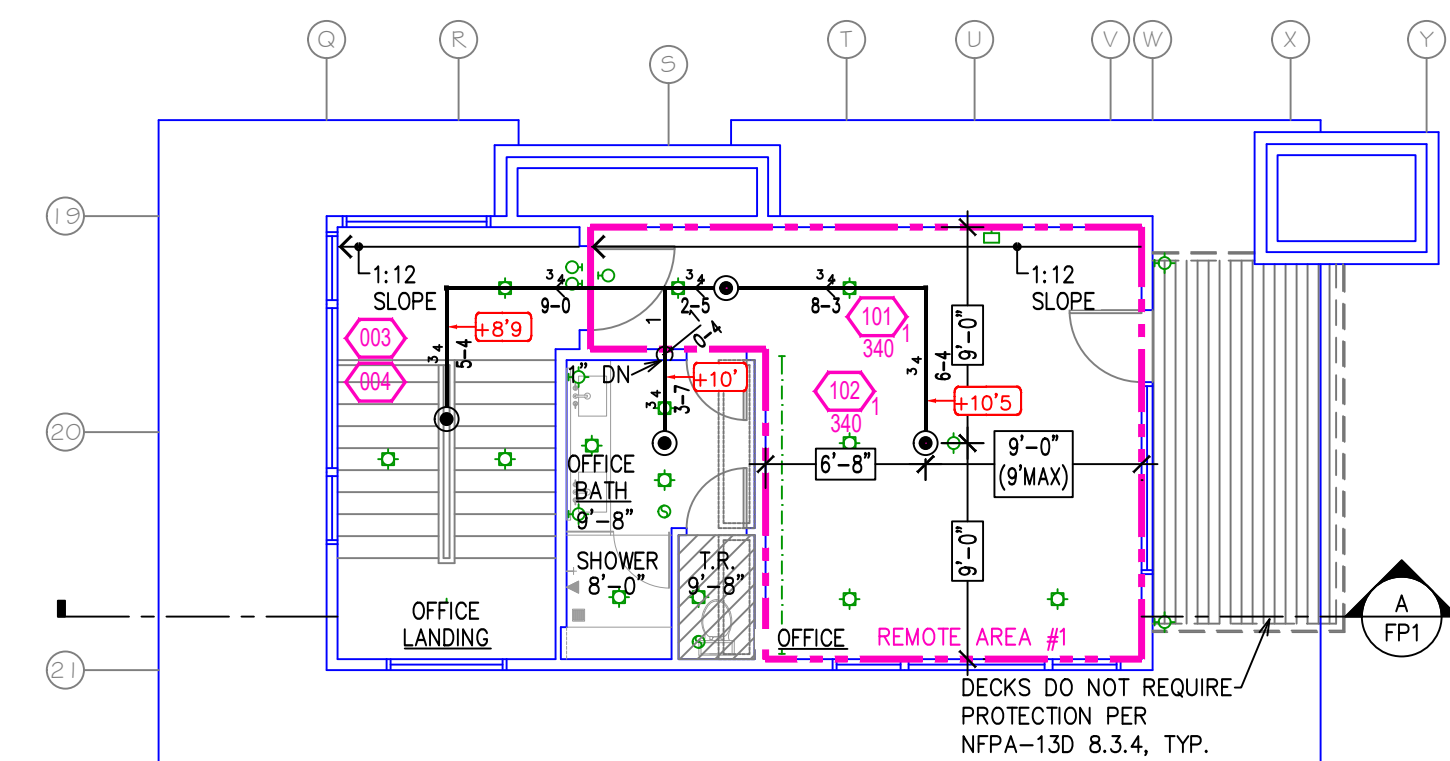
FIRE SPRINKLER PLAN - MAIN FLOOR
SCALE: 1/8" = 1'-0"



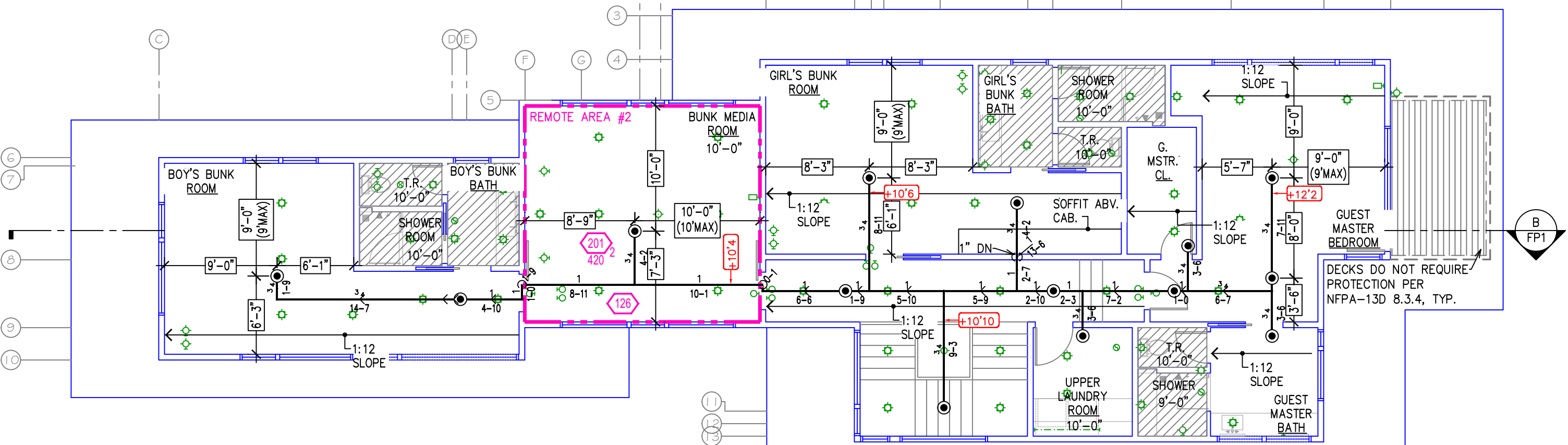
FIRE SPRINKLER PLAN - POOL MECH
SCALE: 1/8" = 1'-0"



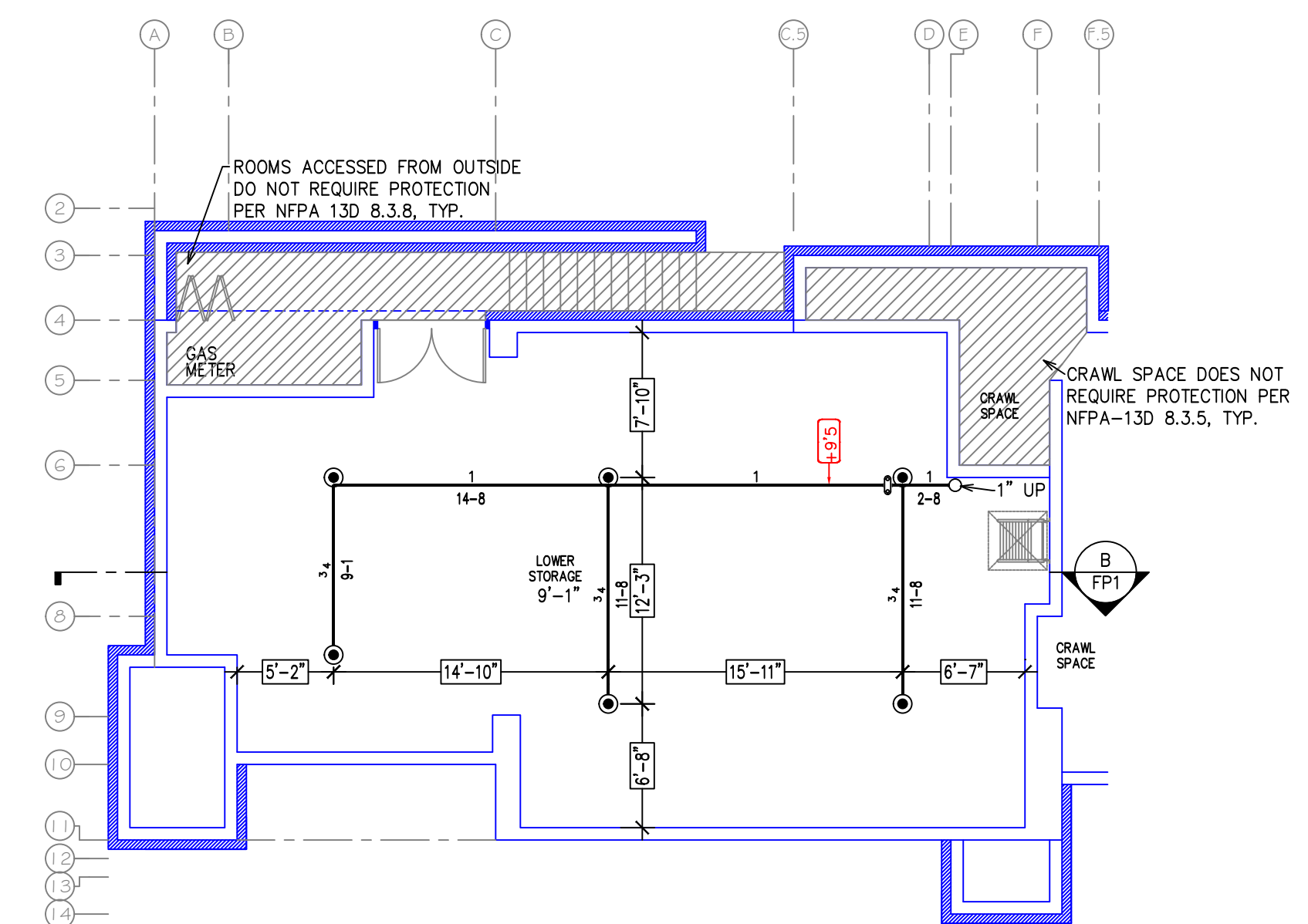
FIRE SPRINKLER PLAN - GYM
SCALE: 1/8" = 1'-0"



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



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



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

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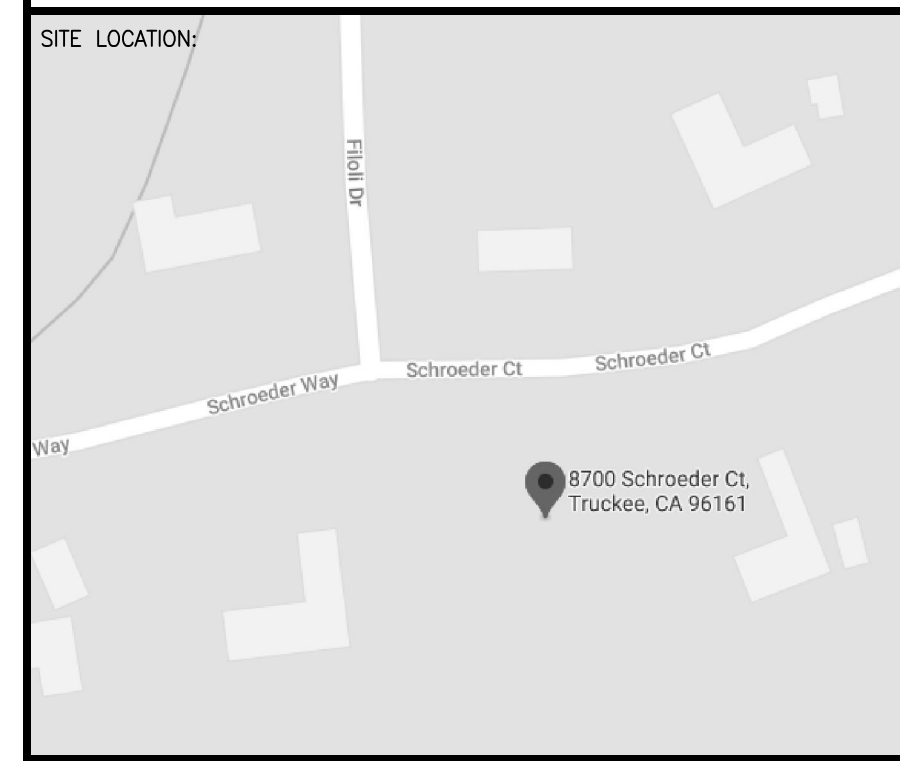
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 - ⊕ EARTHQUAKE BRACING
 - CHANGE ELEVATION UP
 - CHANGE ELEVATION DN
 - INSPECTORS TEST
 - AUX DRAIN
 - REVISION NOTATION
 - ⊕ LOCAL ALARM



PROJECT NAME: FIRE SPRINKLER PLANS FOR
MARTIS LOT #380 GRIFFITH RESIDENCE
 8700 SCHROEDER CT.
 TRUCKEE, CA

DRAWING TITLE:
FIRE SPRINKLER PLAN

SCALE: 1/8" = 1'-0" JOB NO.: 5/5/2021
 DRAWN BY: DWG NO.:
 BORN ON DATE: 5/5/2021 **FP-2**
 FILE: 5/5/2021 SHEET 2 OF 2