

MAIN LEVEL FIRE SPRINKLER PLAN

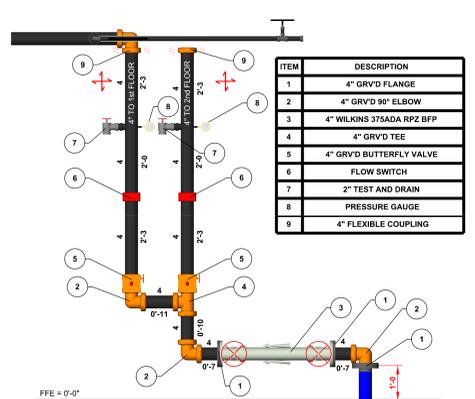
SCALE: 1/8" = 1'-0"



HANGER DETAILS

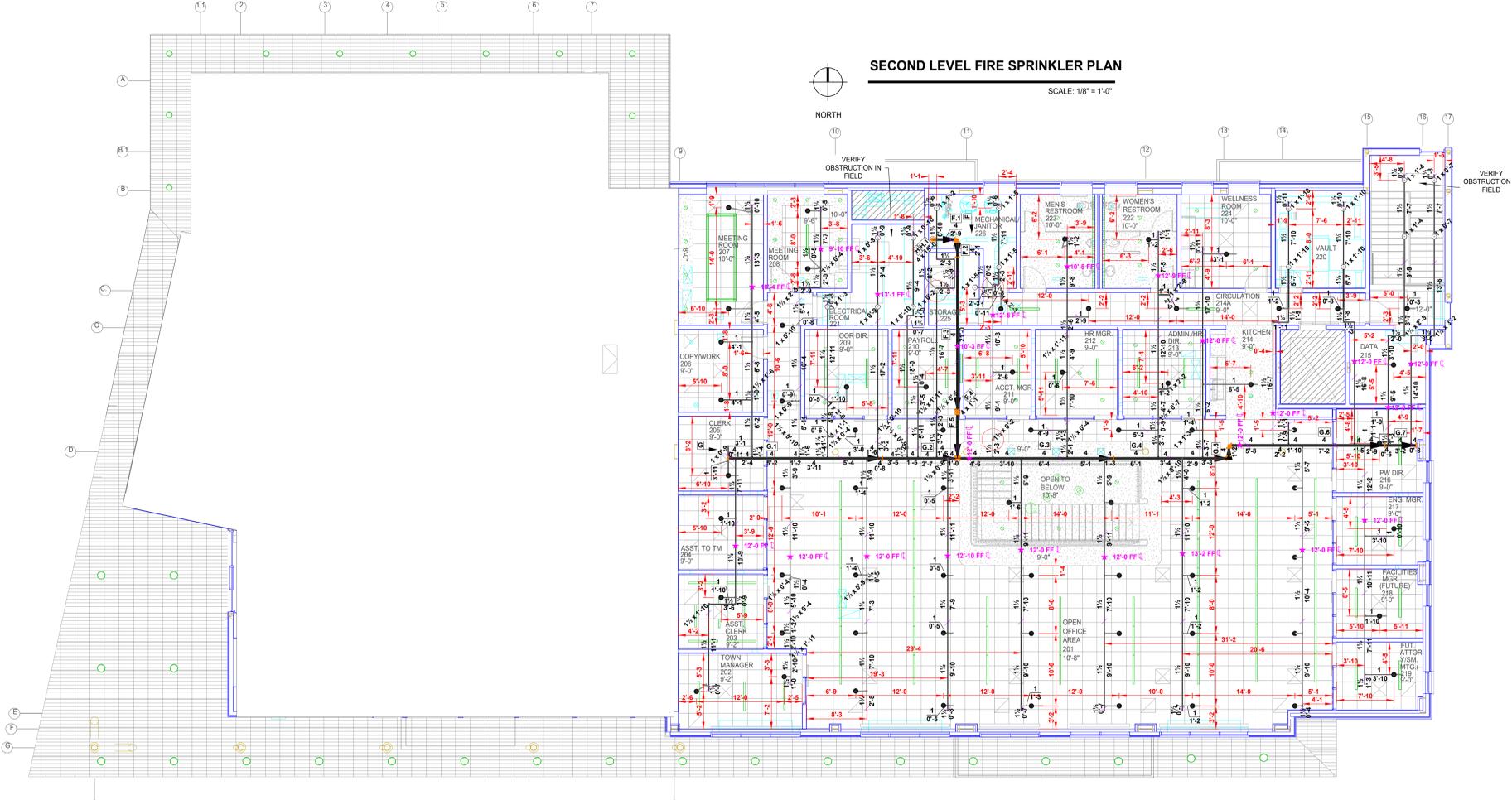
	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
STEEL PIPE EXCEPT THREADED LIGHTWALL	NA	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0
THREADED LIGHTWALL STEEL PIPE	NA	12-0	12-0	12-0	12-0	NA	NA	NA	NA	NA
COPPER TUBE	8-0	8-0	10-0	10-0	12-0	12-0	12-0	NA	NA	NA
BLAZEMASTER CPVC	5-6	6-0	6-6	7-0	8-0	9-0	10-0	NA	NA	NA

- GENERAL INFORMATION**
- INTERNATIONAL BUILDING CODE (2021), CALIFORNIA BUILDING CODE (2022)
 - OCCUPANCY: TYPE A-3, B, S-1
 - TYPE OF CONSTRUCTION: I-B
 - SPRINKLERED AREAS (APPROXIMATE - SEE ARCHITECTURAL PLANS FOR ACTUAL)
MAIN FLOOR = 16,162 S.F.
 - DESIGN & INSTALLATION STANDARDS: NFPA-13 (2022), IFC - CALIFORNIA FIRE CODE (2022)
 - SPRINKLER PIPE TYPES:
 - WET:
 - 1" - 1 1/2" PIPE TO BE SCHEDULE 40 BLACK STEEL w/ THREADED FITTINGS
 - 2" THROUGH 3" MANS TO BE BLK SCHEDULE 10 w/ GROOVED FITTINGS
 - MANS TO BE ROLL-GROOVED BLK SCHEDULE 10
 - 2" AND LARGER TO USE GROOVED SHORT RADIUS FITTINGS
 - DESIGN CRITERIA:
 - LIGHT HAZARD AREAS INCLUDE OFFICE/ADMINISTRATIVE, RESTROOMS, AND CORRIDORS
 - ORDINARY HAZARD GROUP I AREAS INCLUDE MECHANICAL AND ELECTRICAL ROOMS
 - NOTES:
 - ALL MATERIAL TO BE NEW AND MEET U.L. STANDARDS
 - HANGERS TO BE INSTALLED IN ACCORDANCE WITH NFPA 13 - SEE PLAN FOR HANGING REQUIREMENTS
 - SCOPE OF WORK:
 - INSTALL A COMPLETE SINGLE ZONE WET FIRE SPRINKLER SYSTEM TO COVER ALL AREAS OF BUILDING
 - ALL AREAS OF THE BUILDING TO BE INSTALLED AND COVERED IN ACCORDANCE WITH THE LOCAL AUTHORITY HAVING JURISDICTION AND PER NFPA 13



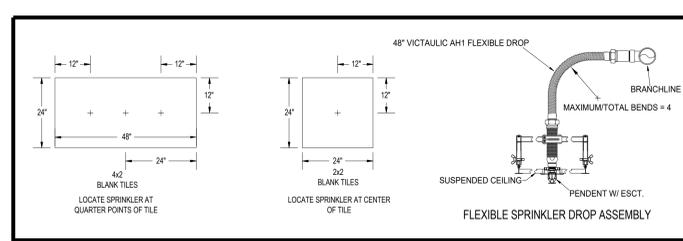
RISER DETAIL
SCALE: 1/2" = 1'-0"

ITEM	DESCRIPTION
1	4" GRVD FLANGE
2	4" GRVD 90° ELBOW
3	4" WILKINS 375ADA RPZ BFP
4	4" GRVD TEE
5	4" GRVD BUTTERFLY VALVE
6	FLOW SWITCH
7	2" TEST AND DRAIN
8	PRESSURE GAUGE
9	4" FLEXIBLE COUPLING



SECOND LEVEL FIRE SPRINKLER PLAN

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



FLEXDROP DETAIL

- FLEXIBLE COUPLINGS SHALL BE INSTALLED AS FOLLOWS:**
- WITHIN 24" OF TOP AND BOTTOM OF ALL RISERS
 - FLEXIBLE COUPLINGS MAY BE OMITTED ON RISERS LESS THAN 3'-0" IN LENGTH
 - ONLY ONE FLEXIBLE COUPLING ON RISERS 3'-0" TO 7'-0" IN LENGTH
 - WITHIN 12" ABOVE AND WITHIN 24" BELOW THE FLOOR IN MULTISTORY BUILDINGS
 - RISERS UP TO 7'-0" IN LENGTH TERMINATING ABOVE A ROOF ASSEMBLY OR TOP LANDING MAY OMIT FLEXIBLE COUPLING ABOVE LANDING OR ROOF
 - ON BOTH SIDES OF CONCRETE OR MASONRY WALLS WITHIN 1'-0" OF THE WALL SURFACE, UNLESS CLEARANCE IS PROVIDED
 - WITHIN 24" OF BUILDING EXPANSION JOINTS (MORE FLEXIBILITY IS REQUIRED FOR SEISMIC JOINTS)
 - WITHIN 24" OF THE TOP OF BRACES EXCEEDING 15'-0" IN LENGTH TO PORTIONS OF SYSTEMS SUPPLYING MORE THAN ONE SPRINKLER, REGARDLESS OF PIPE SIZE
 - WITHIN 24" ABOVE AND 24" BELOW ANY INTERMEDIATE POINTS OF SUPPORT FOR A RISER OR OTHER VERTICAL PIPE

SEISMIC DETAILS

LINE SIZE	SEISMIC BRACE SCHEDULE
4" - 4"	PIPE (GR4 - 48)
3" - 3"	MAXIMUM LENGTH OF BRACE PIPE
2" - 2 1/2"	LUNCH
1 1/2"	7 FT. 0 IN.

SEISMIC QTY'S:
LATERAL BRACE - 13
LONGITUDINAL BRACE - 13

NOTE:
* WHERE FLEXIBLE COUPLINGS ARE INSTALLED ON MANS, A LATERAL BRACE SHALL BE PROVIDED WITHIN 24 INCHES OF THE COUPLING.

PROJECT NAME: FIRE SPRINKLER PLAN FOR
TOML CIVIC CENTER
1344 TAVERN RD
MAMMOTH LAKES, CA 93546

DRAWING TITLE:
FIRE SPRINKLER PLAN

SCALE: 1/8" = 1'-0" JOB NO:
DRAWN BY: DWG NO:
BORN ON DATE: 7/28/25 FILE: 7/28/25 SHEET 1 OF 1

FP-1