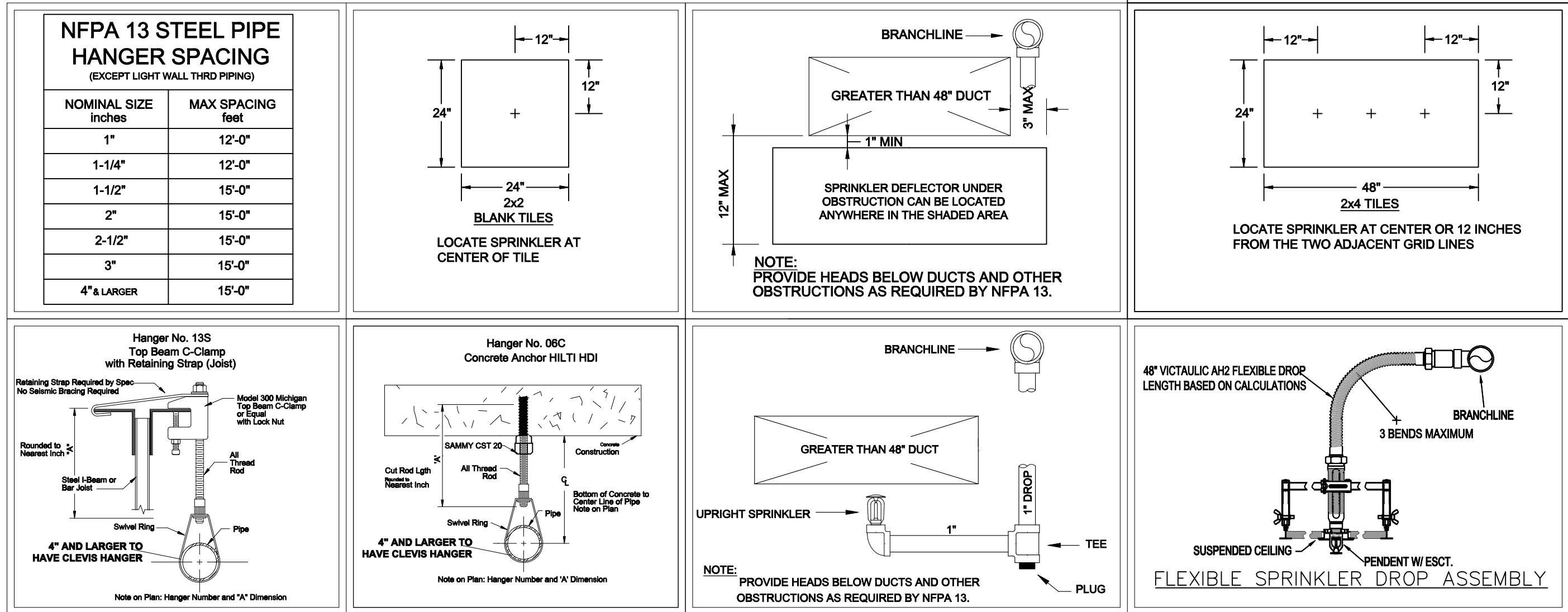
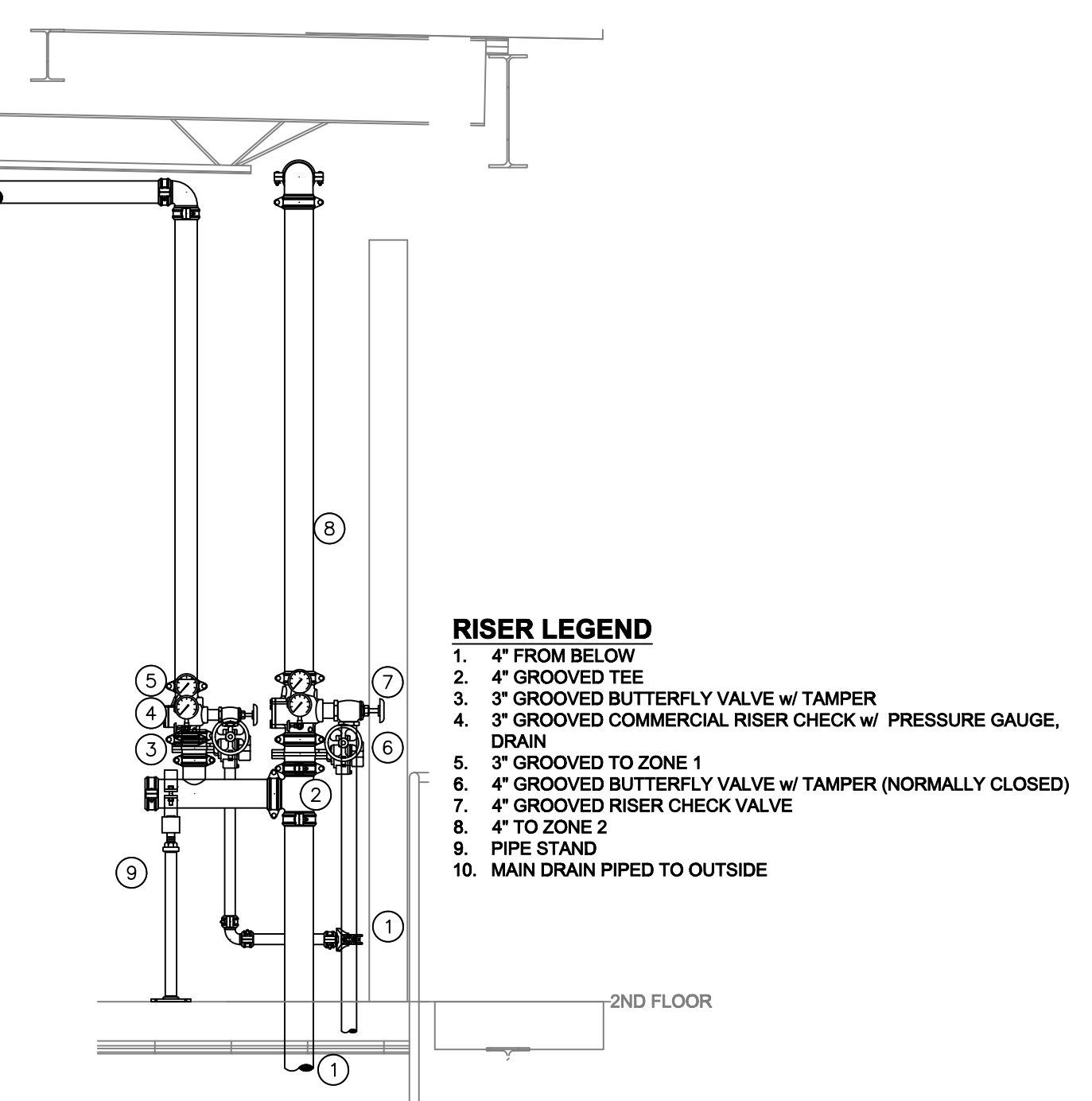




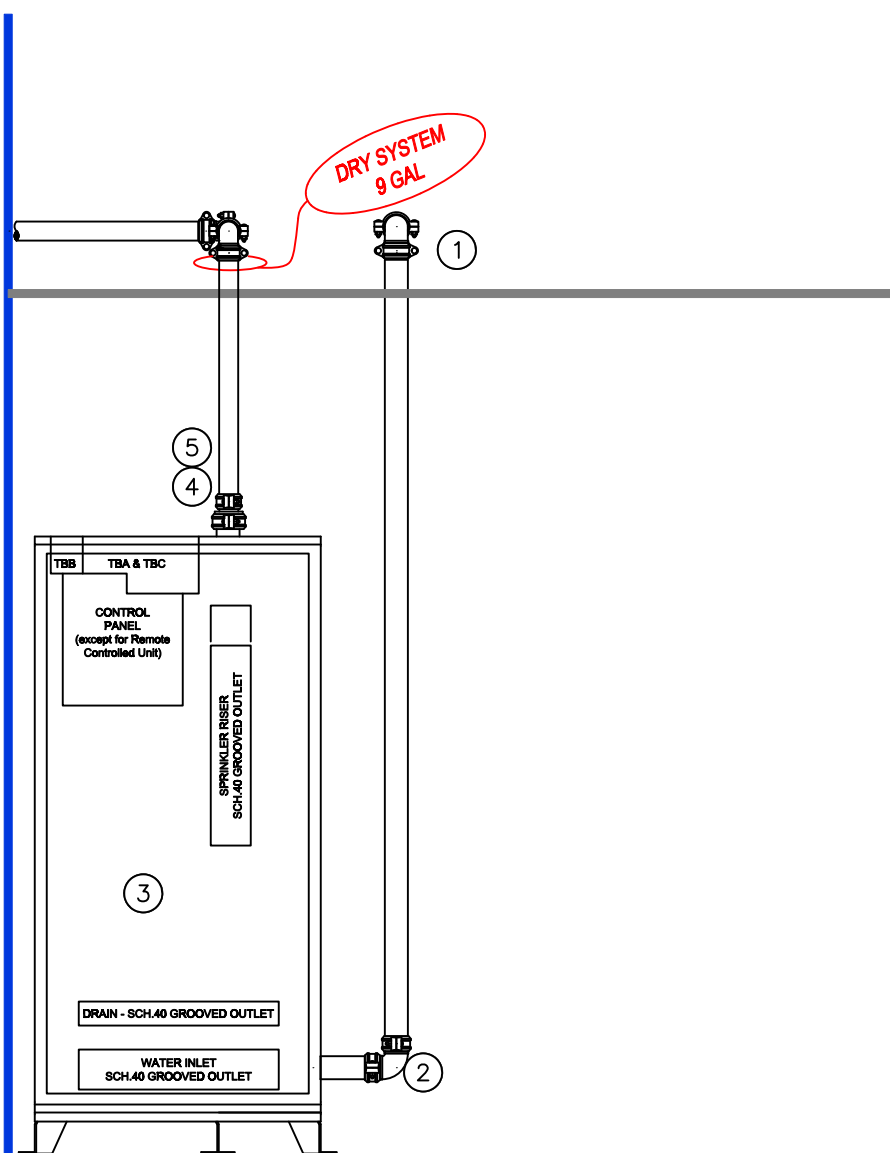
4 DETAILS
SCALE: 1/8" = 1'-0"



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

- RISER LEGEND**
- 8" 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.)
 - 8"x6" GROOVED CONCENTRIC REDUCER
 - 4" GROOVED TEE
 - 4" GROOVED 90 ELBOW
 - 4" GROOVED BUTTERFLY VALVE w/ TAMPER (NORMALLY CLOSED)
 - 4" GROOVED DRAIN 90 w/ BALL DRIP
 - 4" GROOVED CHECK VALVE
 - 3" GROOVED VICTALIC UMC VALVE w/ TAMPER
 - 3" GROOVED TO ZONE 3
 - 4" GROOVED UMC VALVE w/ TAMPER
 - MAIN DRAIN
 - 4" GROOVED TO REMOTE RISER
 - PIPE STAND
 - 4" X 2-1/2" X 2-1/2" FDC
 - HEADBOX w/ SPARE HEADS AND HEADWRENCH

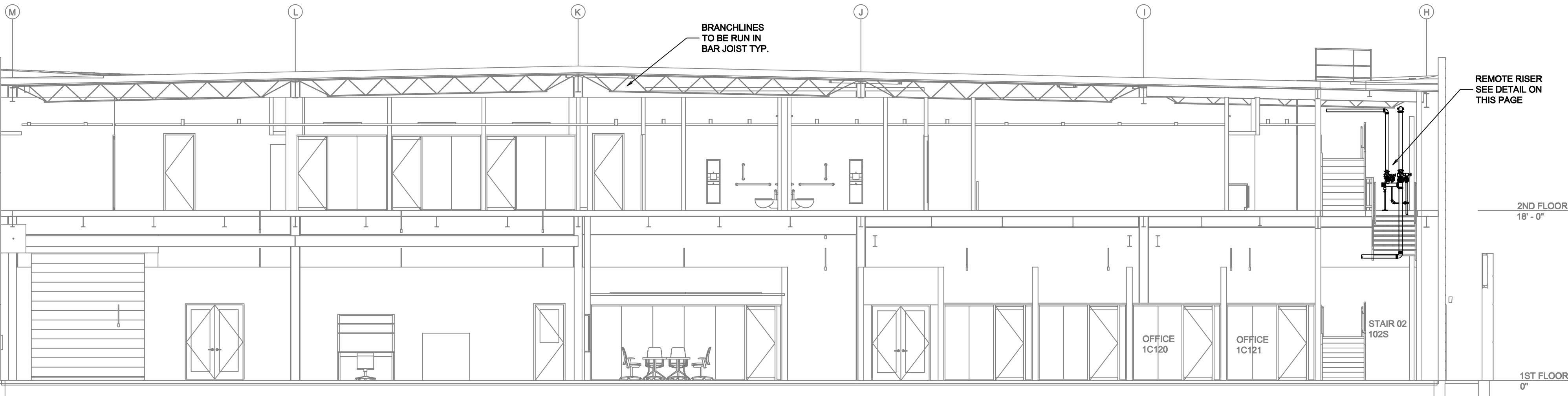
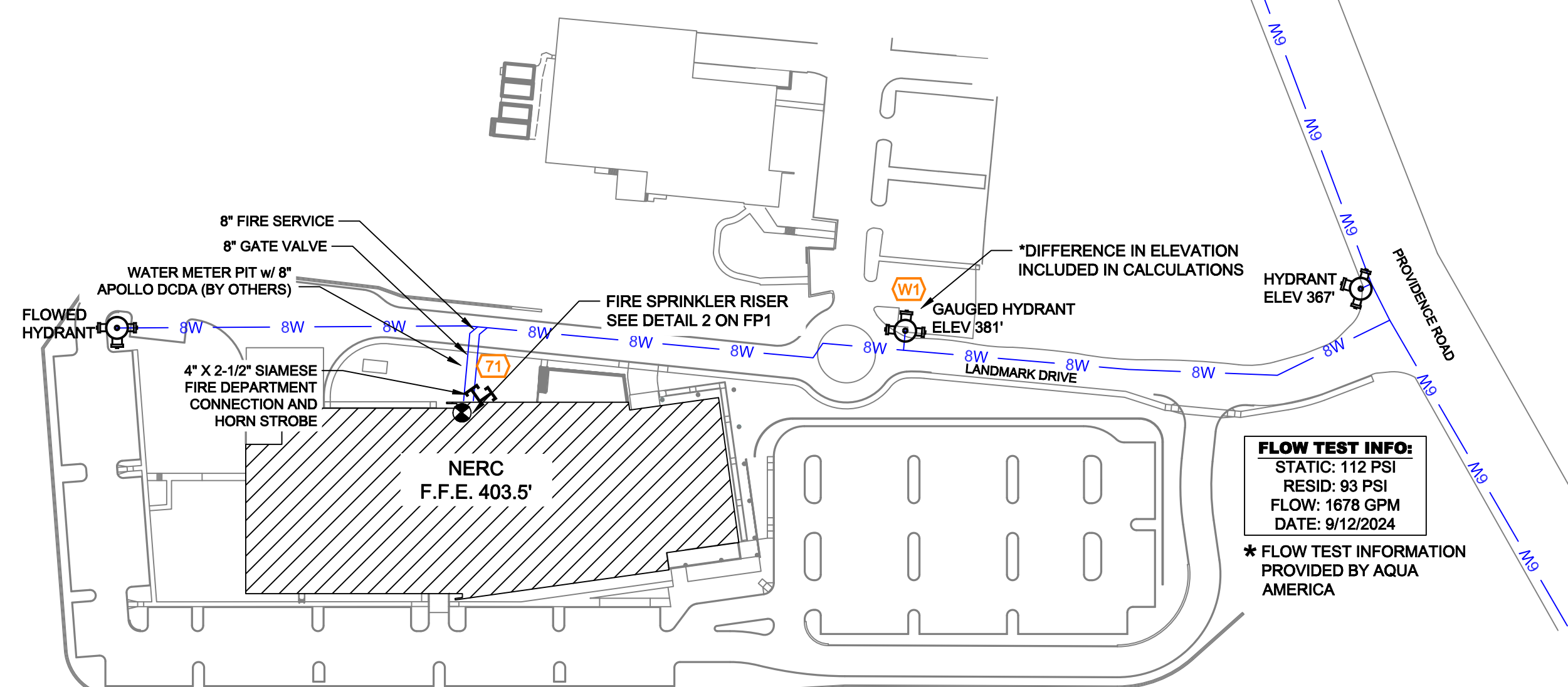
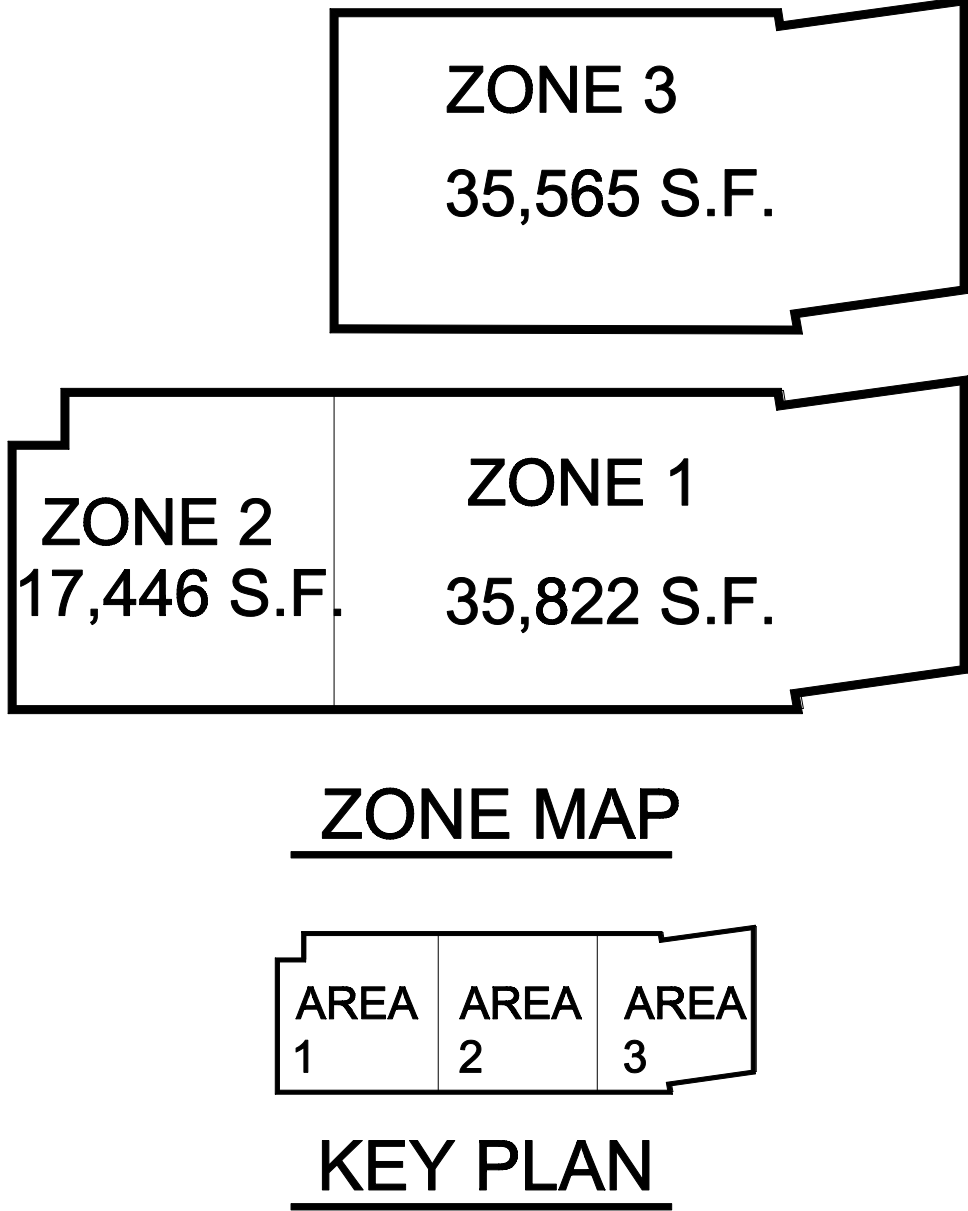
2 FIRE SPRINKLER RISER DETAIL
SCALE: 1/2" = 1'-0"



- RISER LEGEND**
- 3" FROM WET SYSTEM
 - 3" GROOVED 90
 - VIKING DOUBLE INTERLOCK PRE-ACTION CABINET w/ PNEUMATIC AND ELECTRONIC RELEASE
 - 3"x2" GROOVED CONCENTRIC REDUCER
 - 2" GALVANIZED PIPE TO SYSTEM

Water Pressure psi (bar)	System Air or Nitrogen Pressure psi (bar)
Maximum	Not Less Than
20 (1.4)	8 (0.6)
30 (2.1)	10 (0.7)
50 (3.4)	12 (0.8)
75 (5.2)	13 (0.9)
100 (6.9)	15 (1.1)
125 (8.6)	16 (1.1)
150 (10.3)	17 (1.2)
175 (12.1)	18 (1.2)
200 (13.8)	19 (1.3)
225 (15.5)	21 (1.4)
250 (17.2)	22 (1.5)
275 (19.0)	23 (1.6)
300 (20.7)	24 (1.7)

- GENERAL NOTES**
- INTERNATIONAL BUILDING CODE (2018)
 - OCCUPANCY: GROUP B-F, I-A-3
 - TYPE OF CONSTRUCTION: II-B
 - SPRINKLERED AREAS (APPROXIMATE - SEE ARCHITECTURAL PLANS FOR ACTUAL)
1ST FLOOR = 57,658 S.F. (ZONE # 3 35,565) (ZONE #2 17,446)
2ND FLOOR = 30,779 S.F. (ZONE #1 35,822)
TOTAL = 88,437 S.F.
 - INSTALLATION STANDARDS: SPRINKLER SYSTEM DESIGNED AND INSTALLED PER NFPA-13 (2016)
 - SPRINKLER PIPE TYPES:
 - WET
 - 1" BRANCH LINES TO BE BLK SCHEDULE 40 PIPING WITH THREADED FITTINGS
 - 1/2" THROUGH 2" BRANCH LINES TO BE BLK SCHEDULE 40 PIPING WITH GROOVED FITTINGS
 - 2" AND LARGER PIPE TO BE BLK SCHEDULE 10 PIPING WITH GROOVED FITTINGS
 - MAINS & BRANCH LINES TO BE ROLL-GROOVED
 - DRY & PRE-ACTION:
 - 1" ARMOVERS TO BE THREADED GALV SCHEDULE 40 WITH GALV THREADED FITTINGS
 - 2" MAIN & BRANCH LINES TO BE GROOVED GALV SCHEDULE 40 WITH GALV GROOVED FITTINGS
 - DESIGN CRITERIA
 - CORRIDORS, RESTROOMS, OFFICES AND SIMILAR TO BE LIGHT HAZARD
 - MECHANICAL AND ELECTRICAL ROOMS, SOLAR ROOMS, STORAGE ROOMS, WAREHOUSE AND SIMILAR TO BE ORDINARY HAZARD GROUP 1
 - STORAGE IN ORDINARY HAZARD GROUP 1 AREAS TO BE LIMITED TO 12 FT OF CLASS 1 COMMODITIES AND 10 FT OF CLASS 2 COMMODITIES IN SOLID PILES, BIN BOX, SHELF, SINGLE, DOUBLE, MULTIPLE ROW RACK AND BACK TO BACK SHELF ARRANGEMENTS
 - PAINT BOOTH TO BE EXTRA HAZARD GROUP 2 WITH ALL HEADS CALCULATED.
 - NOTES:
 - ALL MATERIAL TO BE NEW AND MEET U.L. STANDARDS
 - HANGERS TO BE INSTALLED IN ACCORDANCE WITH NFPA 13 (2016) - SEE PLAN FOR HANGING REQ.
 - SYMBOLS USED ON DRAWINGS:
 - WET
 - PIPE ELEVATION A.F.F
 - PIPE ELEVATION BELOW B.O.D
 - ROOM HAZARD CLASSIFICATION (ALL ROOMS ARE CONSIDERED LIGHT HAZARD UNLESS NOTED)
 - HYDRAULIC CALCULATION JUNCTION POINT
 - CEILING HEIGHT
 - SCOPE OF WORK:
 - TO INSTALL 3 NEW WET ZONES AND 1 PRE-ACTION SYSTEM ON THE SECOND LEVEL
 - ALL AREAS OF THE BUILDING TO BE INSTALLED AND COVERED IN ACCORDANCE WITH THE LOCAL AUTHORITY HAVING JURISDICTION AND PER NFPA 13 (2016)



GRAPHIC SCALE = 1/8"=1'-0" </									
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