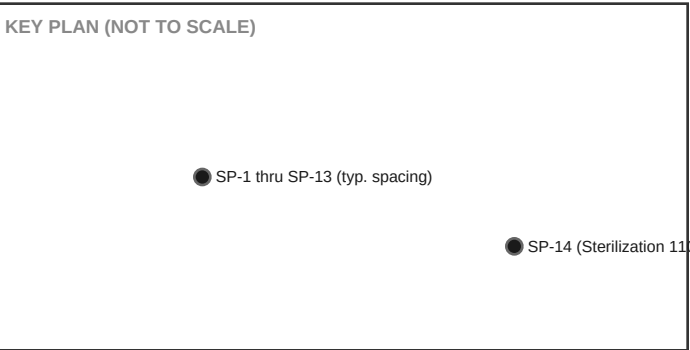


FP-101 — FIRE PROTECTION (SPRINKLER) PLAN

Brightline MEP Consultants — Automatic Sprinkler System Layout



FIRE PROTECTION NOTES

1. This is a wet-pipe automatic sprinkler system designed to NFPA 13, Light Hazard occupancy classification throughout the tenant space, with Ordinary Hazard Group 1 classification at Sterilization 110. Sprinkler head spacing follows the maximum coverage area for each classification -- 225 SF per head for Light Hazard, 130 SF per head for Ordinary Hazard Group 1.
2. Sprinkler head SP-14, serving Sterilization 110, is shown at the same ceiling grid cell as HVAC supply diffuser D-6 on the mechanical plan (M-101). Relocate one of these two devices prior to ceiling grid installation so that neither obstructs the other's required coverage or spray pattern -- as currently shown, they occupy the same ceiling location.
3. Hydraulic calculation / design basis: the design occupant load used for this floor's exit sign quantity and panic hardware count, and as the basis for hydraulic demand, is 60 persons, per the approved space program provided at the start of design.
4. Design density is 0.10 gpm/SF over 1,500 SF (Light Hazard), yielding an estimated required flow of 225 gpm at 15 psi residual. The water supply is the existing 6" combined main, per the flow test on record from June 2026.
5. Note: the architectural life safety plan (A-102) calculates the occupant load for this same floor as 85 persons, based on the final room program. Compare that figure against the 60-person design basis used here -- if 85 is correct, the exit signage count and hydraulic calculation on this sheet should be revised accordingly.
6. Confirm occupant load basis with the architect before finalizing exit signage counts; see the note above.
7. Coordinate all ceiling-mounted device locations with the mechanical engineer prior to ceiling grid installation; see the SP-14/D-6 note above.

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Fire Protection Plan A-06/15/26 (J.T. Buehler P.E.) Drawn: J.T. Checked: R.H. Rev A	FP-101 Const. Type: 1 Date: 06/15/26