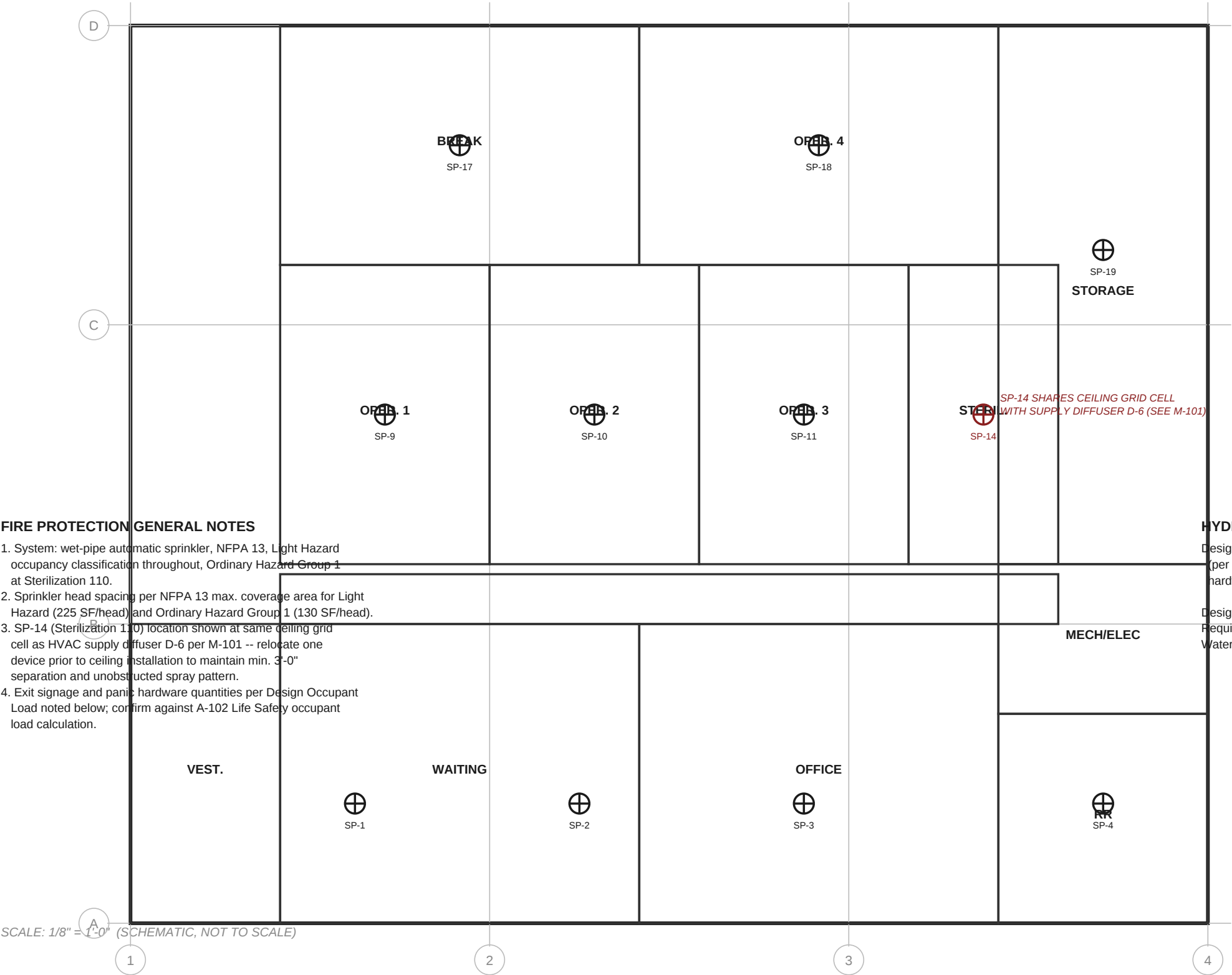


FP-101 — FIRE PROTECTION (SPRINKLER) PLAN

Brightline MEP Consultants — Automatic Sprinkler System Layout



FIRE PROTECTION GENERAL NOTES

- 1. System: wet-pipe automatic sprinkler, NFPA 13, Light Hazard occupancy classification throughout, Ordinary Hazard Group 1 at Sterilization 110.
- 2. Sprinkler head spacing per NFPA 13 max. coverage area for Light Hazard (225 SF/head) and Ordinary Hazard Group 1 (130 SF/head).
- 3. SP-14 (Sterilization 110) location shown at same ceiling grid cell as HVAC supply diffuser D-6 per M-101 -- relocate one device prior to ceiling installation to maintain min. 3'-0" separation and unobstructed spray pattern.
- 4. Exit signage and panic hardware quantities per Design Occupant Load noted below; confirm against A-102 Life Safety occupant load calculation.

HYDRAULIC CALCULATION / DESIGN BASIS

Design Occupant Load (this floor) = 60 PERSONS
(per approved space program, used for exit sign / panic hardware quantities and hydraulic demand basis)

Design Density: 0.10 gpm/sf over 1,500 sf (Light Hazard)
Required Flow: 225 gpm @ 15 psi residual (est.)
Water Supply: Existing 6" combined main, per test 6/2026

SCALE: 1/8" = 1'-0" (SCHEMATIC, NOT TO SCALE)

Brightline MEP Consultants — Fire
License No. FP-2025-0635

Riverbend Family Dental Clinic — Tenant
4400 W. Diversey Ave., Suite 100, Chicago, IL 60639
City of Chicago — Department of Buildings
Permit No. BLD2026-04471 Proj. No. 25-0138

Fire Protection Plan
A06/15/26 by J.T. (J.T.)
Drawn: J.T. Checked: R.H. Date: 06/15/2026

FP-101
Rev A