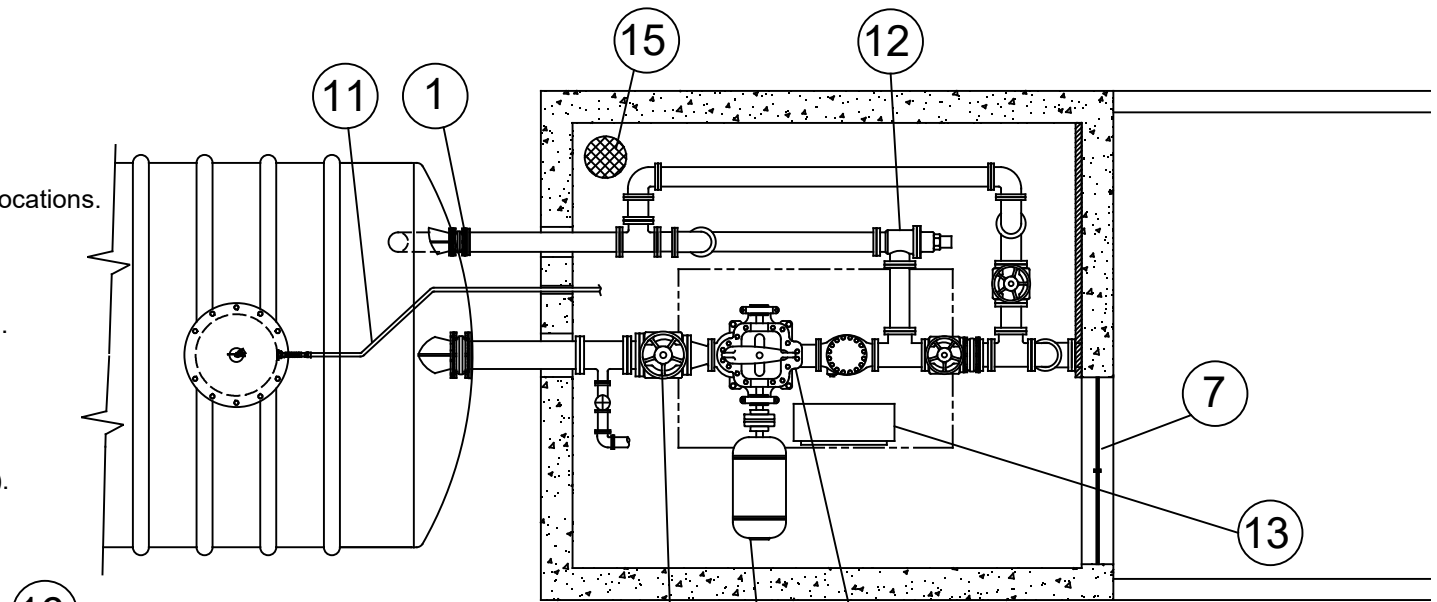


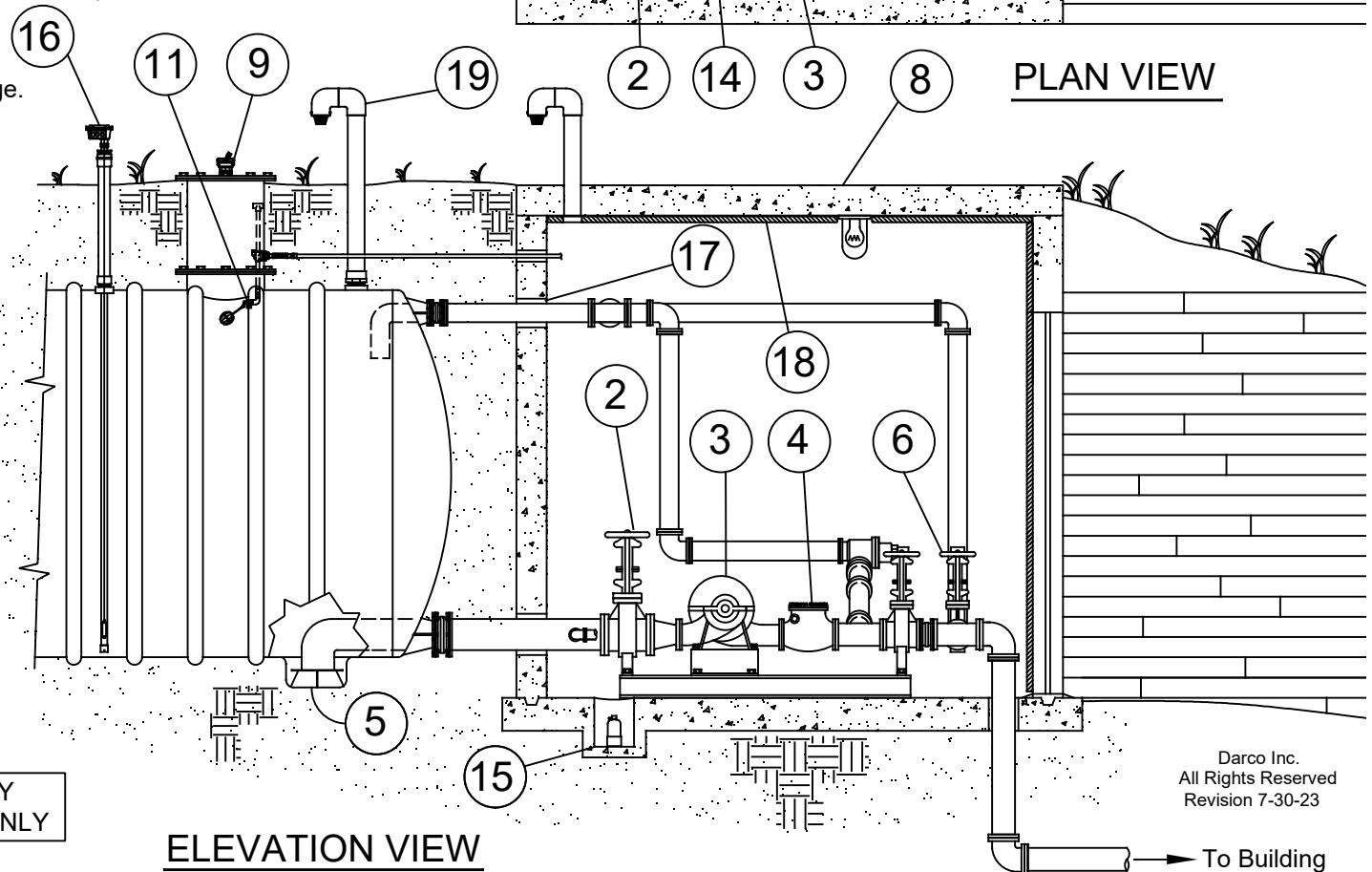
FIRE SPRINKLER PUMP MOUNTED INSIDE A VAULT OR IN A BASEMENT

COMPONENTS

1. Flexible pipe coupler / typical in multiple locations.
2. Gate valve / typical.
3. Fire pump.
4. Check valve.
5. Tank Suction Sump with anti-vortex plate.
6. Recirculation pump test valve.
7. Entry door or stairway to vault.
8. Pump room or vault in hillside or berm.
9. Manway with 4" locking inspection hatch.
10. Jockey pump feed line (pump not shown).
11. Tank refill inlet solenoid or float valve.
12. Pressure relief valve.
13. Pump control cabinet.
14. Pump motor.
15. Floor sump with automatic pump.
16. Mechanical or electronic water level gauge.
17. Pliable water stop material or Link-Seal to isolate pipes from vault wall.
18. Insulate ceiling and exposed walls with foam board if necessary.
19. Tank vent.



PLAN VIEW



ELEVATION VIEW

IMPORTANT

This incomplete layout is conceptual but typical of such systems. All fire protection sprinkler designs must be engineered for each specific building application and approved by the Local Authority Having Jurisdiction. Jockey pump and other details omitted for clarity. Vaults may require an air exchange blower, heater, or dehumidifier.

**ABBREVIATED PLUMBING FOR CLARITY
NOT TO SCALE, FOR ILLUSTRATION ONLY**