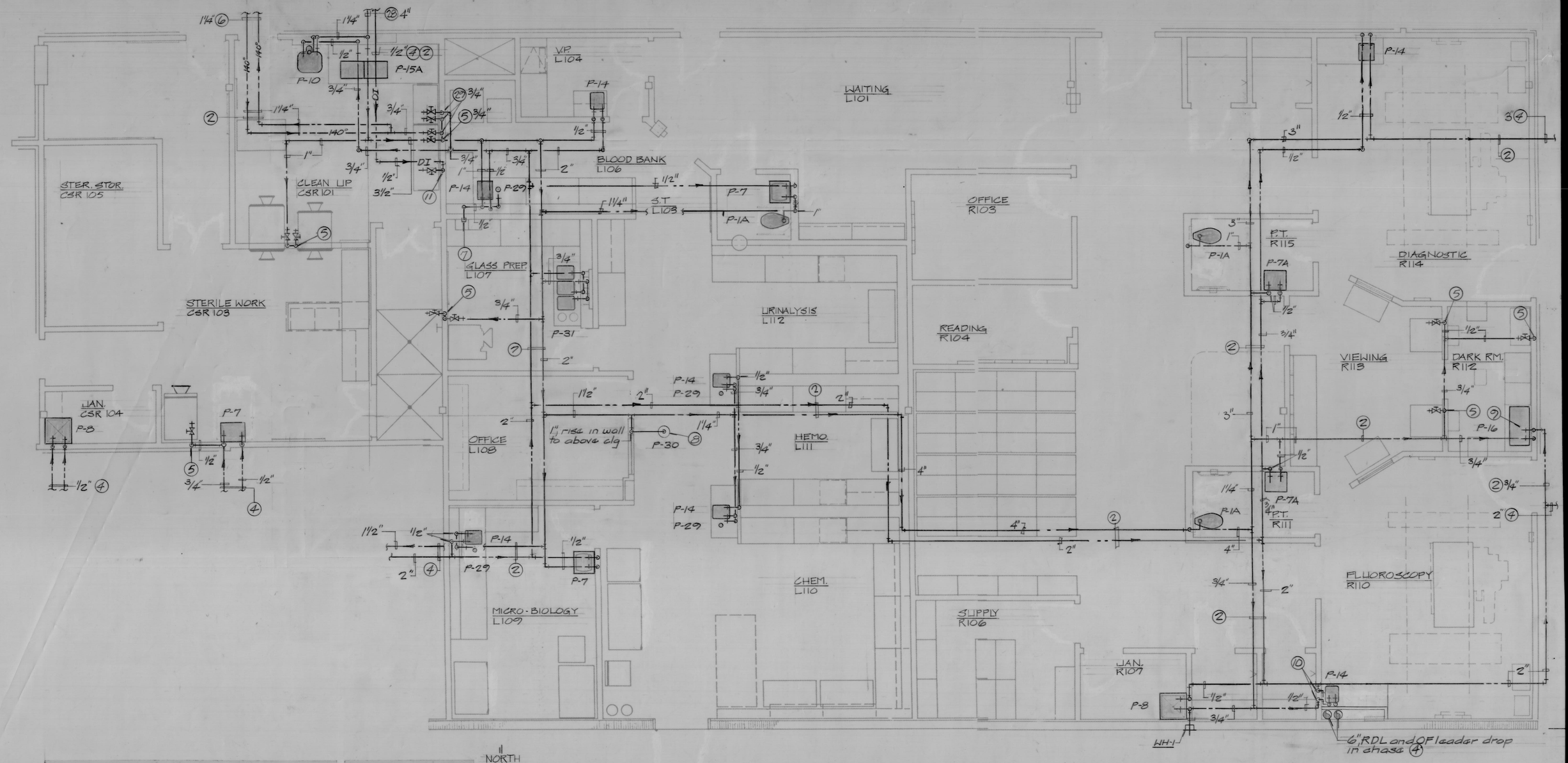
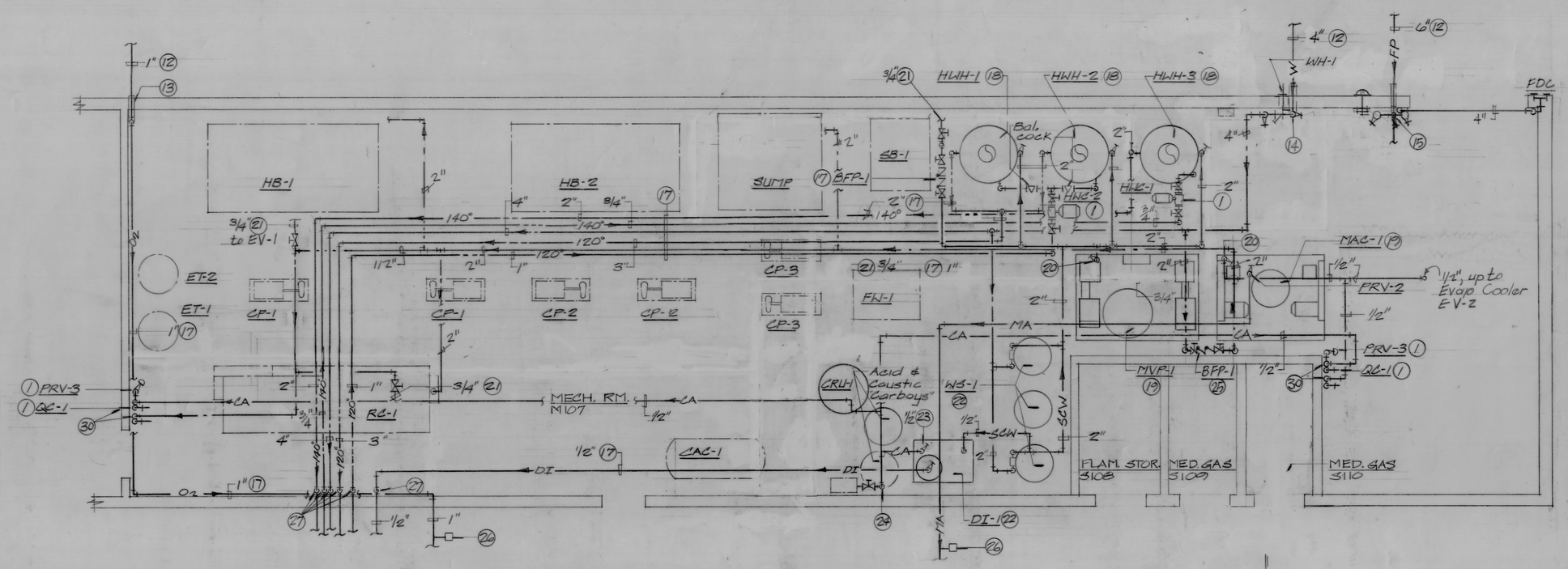


LABORATORY AREA - WATER PIPING PLAN

SCALE: 1/4" :: 1'-0"

NORTH



MECHANICAL ROOM-HOT WATER, COLD WATER, DI WATER, OXYGEN, & MED. AIR PIPING PLAN

SCALE: 1/4" ::: 1'-0"

NORTH

SPECIFIC NOTES:

1. Install per detail in Specifications.
2. Piping located below floor, coordinate locations to clear structural footings, mechanical equipment, ductwork, etc. below floor. Provide sleeves thru all grade beams. Coordinate locations with Structural Drawings.
3. Piping located above ceiling, coordinate locations to clear structural supports, mechanical equipment, lights, electrical equipment, ductwork, etc. above ceiling.
4. See 1/8" Scale Floor Plan for continuation of piping, (Sheet P-3).
5. CW rise from below floor, install gate valve and connect to equipment furnished by others under another section of this contract. (Verify exact models to be furnished prior to fabrication of water piping system.)
6. See Enlarged Kitchen Plans for continuation of piping.
7. CW rise in wall, extend thru wall and cap 5'-0" above finish floor.
8. Install emergency shower per manufacturer's recommendations and details.
9. Install and connect TMV-2 above P-16 at this location. Verify exact mounting height with cabinetry, equipment, etc. furnished.
10. 1/2" cw and hw rise in wall. Extend thru wall below cabinets. Rise in cabinets and secure to wall and route to Sink P-14.
11. 1/2" deionized water rise in wall, extend thru wall. Install gate valve and connect to equipment furnished by others under another section of this contract. (Verify exact models to be furnished prior to fabrication of D.I. water system.)
12. See Civil Drawings for continuation of piping.
13. Sleeve from outside to above floor.
14. Install domestic water valve station per detail in Mechanical Specifications. (PRV in pit outside)
15. Fire Protection Sprinkler Riser - see detail in Mechanical Specifications.
16. Mount water motor and gong up high as possible.
17. Route piping high as possible in room, support with hangers, coordinate with other piping, lights, etc.
18. Install hot water heater per detail in Specifications and manufacturer's directections.
19. Package unit, skid mounted, to be set in accordance with manufacturer's recommendations and details.
20. Connect water to unit with shut-off valve.
21. Connect cw make-up from backflow preventer to mechanical equipment per Flow Diagrams and Details.
22. Set unit and arrange in accordance with manufacturer's details.
23. Connect 1/2" CA supply to deionizer and provide regulator at unit.
24. Extend 1/2" CA supply to deionizer from supply piping at refrigerated air dryer at controls air compressor.
25. Install backflow preventer on wall, support with Unistrut brackets and locate 5' above finish floor.
26. Install pressure sensing switch in service piping. See Electrical Drawings for wiring and conduit back to Medical Alarm Panel (MAP-1) in Maintenance Area.
27. Drop on wall, secure to wall, to below floor slab, and extend into crawl space. Sleeve continuous from above slab to crawl space.
28. See Area "C" Water and Gas Piping Plan for continuation (Sheet P-5).
29. CW or HW rise from below floor in wall, extend thru wall with gate valve and connect to equipment (furnished by others under another section of this contract) per manufacturer's details and recommendations. This Contractor shall verify exact model to be furnished prior to fabrication of water piping system.
30. CW and CA drops on wall. Install per detail in Specifications.

GENERAL NOTE:

- All branches shall be valved and all valves shall be accessible with access provided by this Contractor. All valves shall have unions adjacent.

REV	DATE	DESCRIPTION	BY
	6-27-87	AS BUILT	ABI

DEPARTMENT OF HEALTH & HUMAN SERVICES
OFFICE OF FACILITIES ENGINEERING
REGIONAL OPERATIONS FOR FACILITIES ENGINEERING & CONSTRUCTION, DALLAS, TX

CROWNPOINT
COMPREHENSIVE INDIAN HEALTH FACILITY

b/s · fmb
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A JOINT VENTURE

REGISTERED PROFESSIONAL ENGINEER — ALLISON ENGR. INC. ALBUQUERQUE — 3845 — NEW MEXICO — ROBERT P. FRIGGLERS

drawn by	checked by	LAB AREA AND MECH. ROOM WATER AND MEDICAL GASES PLAN	drawing no.
MAT	RLM		P-7
project no. 06-238	date 8/20/86		sheet 20 of 29