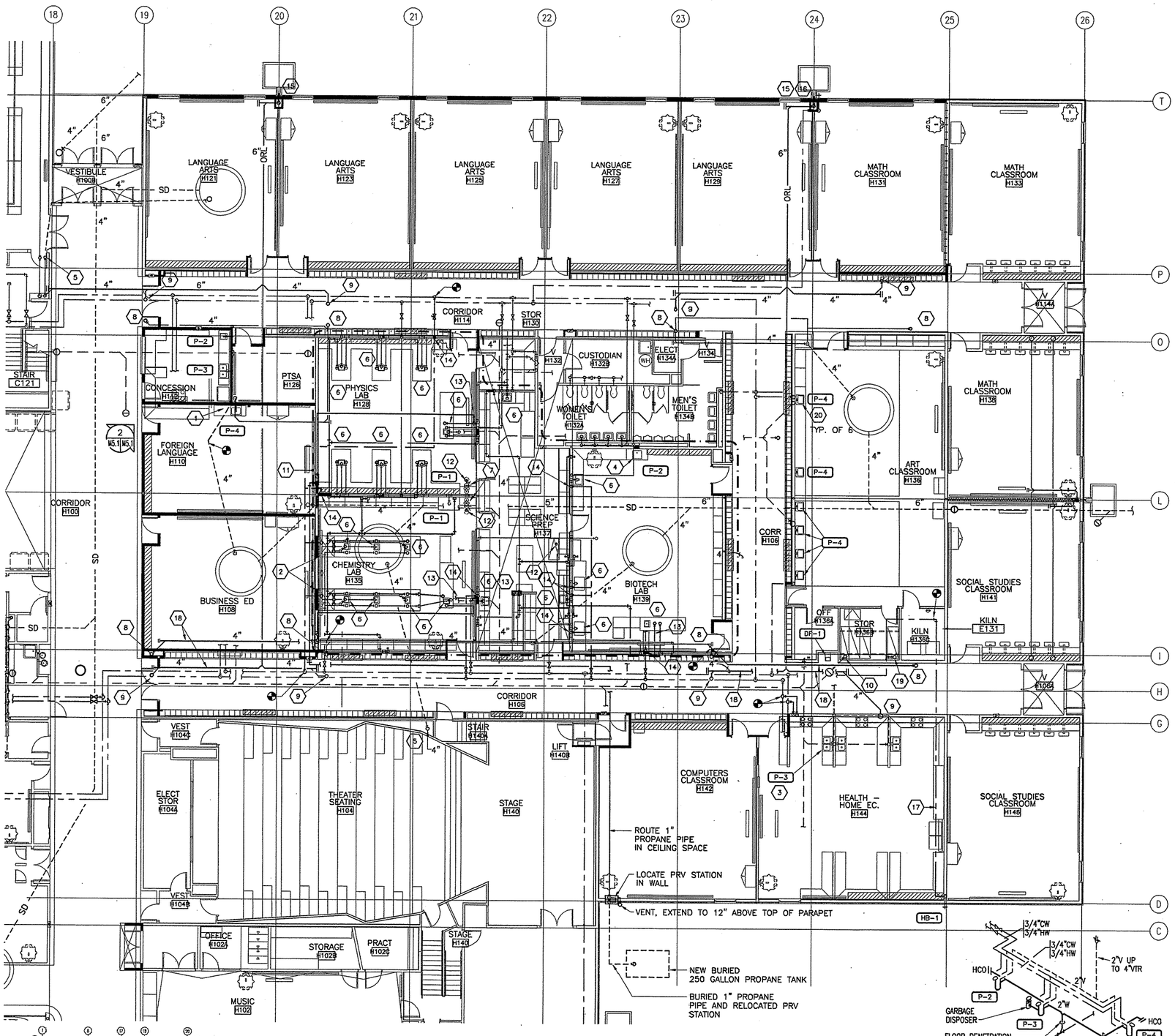
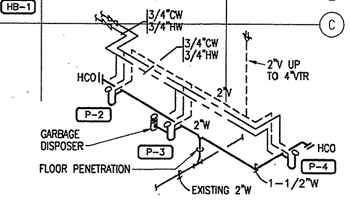
CORPS OF ENGINEERS

U. S. ARMY



1 AREA 'E' FLOOR PLAN- PLUMBING
M5.1 M5.1
SCALE: 1/8"=1'-0"



2 PLUMBING ISOMETRIC ROOMS E112 AND E114
M5.1 M5.1
SCALE: NONE

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY ALL SIZES OF EXISTING PIPING.
2. PROVIDE WATER HAMMER ARRESTERS ON ALL NEW PLUMBING. SIZE AND LOCATE ARRESTORS PER MANUFACTURER'S RECOMMENDATIONS.
3. NOT ALL EXISTING PIPING IS SHOWN TO PLUMBING FIXTURES THAT ARE TO REMAIN.
4. NEW WORK IS SHOWN WITH HEAVY LINES.
5. UNLESS OTHERWISE NOTED ROUTE WATER PIPING IN CEILING SPACE.
6. UNLESS OTHERWISE NOTED ROUTE RAIN LEADER AND OVERFLOW RAIN LEADER PIPING AT 1/8" PER FT.

SHEET NOTES

1. REROUTE EXISTING UNDERSLAB RAIN LEADER PIPING AS REQUIRED TO ACCOMMODATE NEW WALL CONFIGURATIONS. ROUTE VERTICAL PIPING IN WALL.
2. INSTALL LABORATORY PIPING IN NEW SHAFTS AND TRENCH. CONNECT TO EXISTING PIPING.
3. INSTALL NEW SINK AND GARBAGE DISPOSER AT THIS LOCATION. UPSIZE EXISTING 1/2" HW AND CW SUPPLY PIPING TO 3/4" BACK TO MAINS. CONNECT NEW HW AND CW. CONNECT NEW 1-1/2"V AND 3" WASTE TO EXISTING.
4. CONNECT NEW HW, CW, WASTE AND VENT TO EXISTING PLUMBING PIPING IN WALL.
5. EXISTING 4"RL AND NEW 4"ORL UP. SEE 2/M5.2 FOR CONTINUATION. (OPTION 3A)
6. PROVIDE NEW LABORATORY SINKS, TURRETS, GAS COCKS AND WATER SERVICE FIXTURES AT LABORATORY CASEWORK IN ROOMS H128, H135, H137 AND H139. CONNECT TO GAS AND WATER PIPING. PROVIDE NEW HW FIXTURES AND 1/2"HW PIPING TO ALL LABORATORY STATIONS. SEE SECTION 12345 FOR PRODUCT SPECIFICATIONS.
7. INSTALL NEW EMERGENCY EYEWASH AND DRENCH SHOWERS AT THESE LOCATIONS. CONNECT TO EXISTING 1-1/4"CW.
8. EXTEND EXISTING RL TO NEW 4"RD-1. PROVIDE REDUCERS AS REQUIRED. INSULATE.
9. NEW 4"ORL UP TO 4" ORD-1. INSULATE.
10. CONNECT 2"WASTE TO EXISTING CLEANOUT PIPING. ROUTE UP TO FAN ROOM E202.
11. NEW PROPANE PIPING AND NEW SHUTOFF SYSTEMS THIS AREA, SEE 7/M7.1.
12. EXISTING FLOOR DRAIN, TYP.
13. 1/2"HW AND 1/2" PROPANE BELOW SLAB. SAWCUT EXISTING FLOOR AS REQUIRED. FOR EMERGENCY PROPANE SHUTOFF AND ALARM SEE 6 AND 7/M7.1.
14. ROUTE NEW 1/2"HW PIPING IN WALL & THROUGH CABINETS TO LABORATORY FIXTURES.
15. 6" ORL DOWN TO NEW SPLASHBLOCK. SEE DETAIL 1/M7.1.
16. REROUTE EXISTING HOSE BIBB PIPING AS REQUIRED TO ACCOMMODATE NEW RAIN LEADER PIPING.
17. NEW 3/4" CW TO HB-1. ROUTE IN CEILING SPACE.
18. ROUTE NEW RL AND ORL PIPING IN TRUSS SPACE (ABOVE GWB).
19. EXISTING 1/2"CW UP TO FAN ROOM.
20. CONNECT CW, HW, AND VENT TO NEW SINK AND FAUCETS. EXTEND PIPING AS REQUIRED. CONNECT NEW WASTE TO EXISTING SEDIMENT TRAP.

REV.	DATE	C.O.	ACTION	DESCRIPTION	BY	APP'D.

CONTRACT NO.
CONTRACTOR
CITY STATE
RECOMMENDED: PRIME CONTRACTOR
APPROVED: RESIDENT ENGINEER
DATE:

USKH — A quarter century of design for Alaskans

ALASKA DISTRICT
CORPS OF ENGINEERS
ANCHORAGE, ALASKA

DESIGNED: SVB
DRAWN: LDS
TRACED:
CHECKED: SVB
SUBMITTED:
CH. REPT.

BEN EIELSON JR./SR. HIGH SCHOOL - PHASE 3
EIELSON AIR FORCE BASE, ALASKA
MECHANICAL
PLUMBING
FLOOR PLANS

RECOMMENDED: CHIEF, MILITARY TECHNICAL ENGINEERING BRANCH
APPROVED: CHIEF ENGINEERING DIVISION
DATE:
SCALE: AS SHOWN
SPEC. NO.
DRAWING NUMBER 29-02-38
SHEET OF

REFERENCE NO. M5.1

507202M51 (1=1)