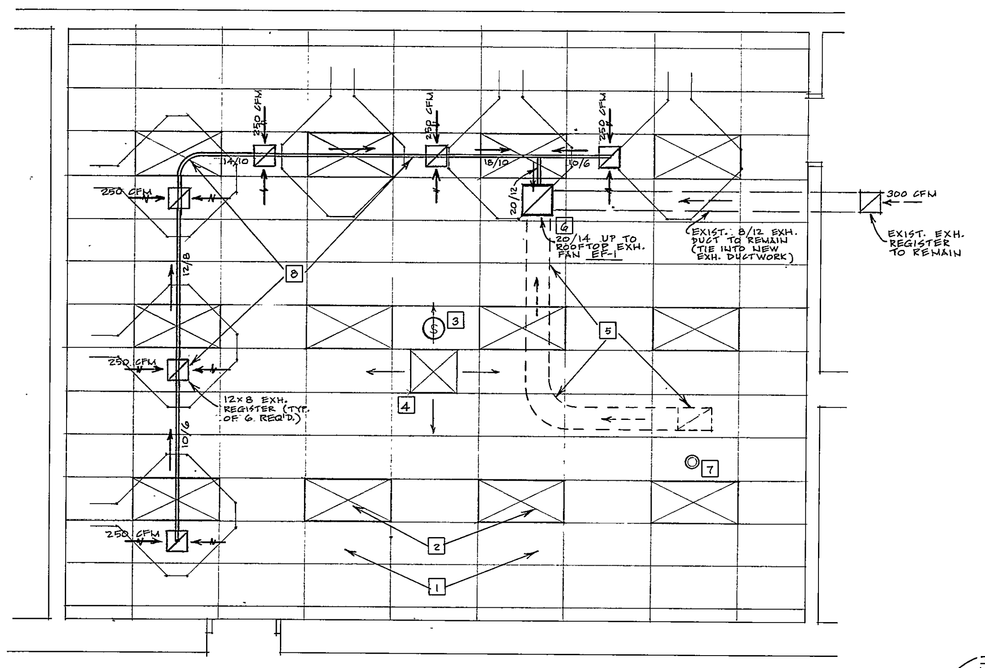
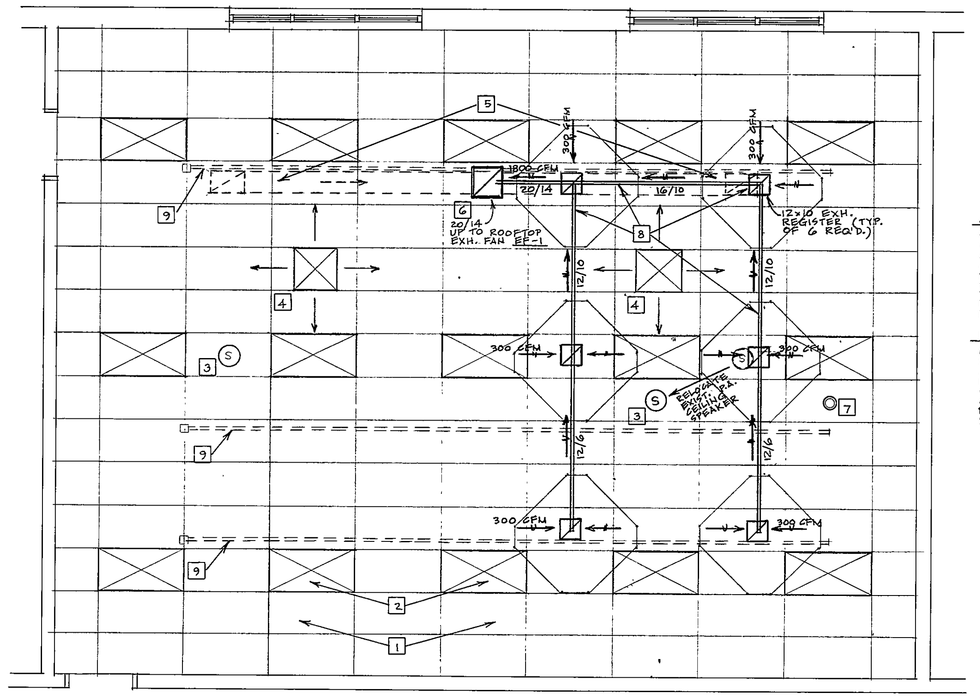


RM. C232 CEILING / EXHAUST PLAN

1/4" = 1'-0"



RM. B222-5 CEILING / EXHAUST PLAN

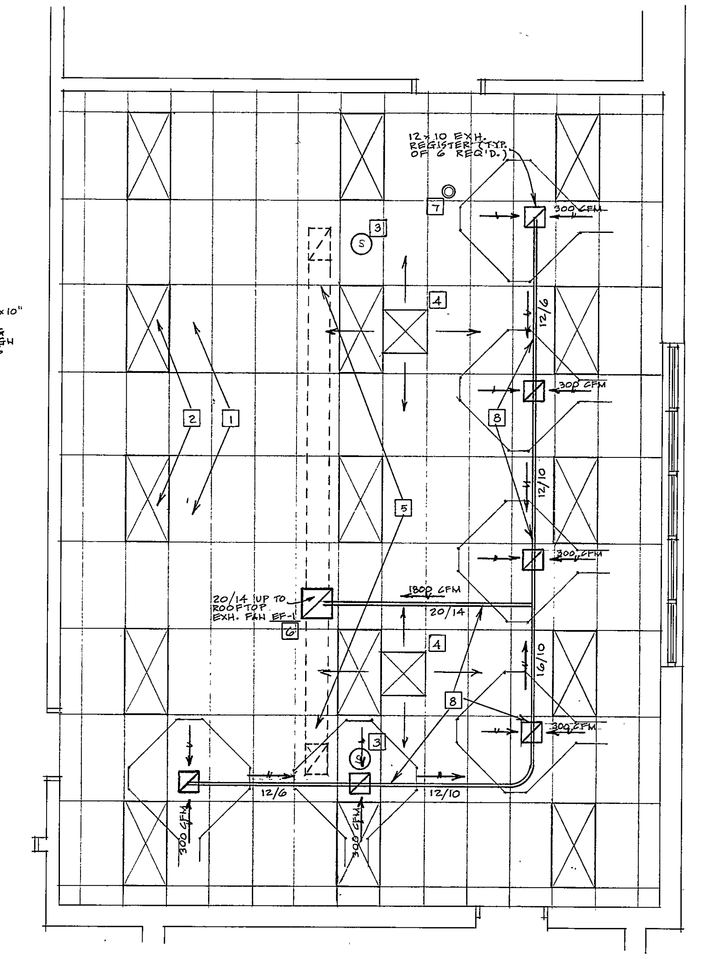
1/4" = 1'-0"

CEILING EXHAUST GRILLES

(18 REQ'D. TOTAL, 6 EA. IN RMS. C 232, B222-5 & B 220) ALL GRILLES TO BE 12"x 8" OR 12"x10" SIZE TYPICAL. GRILLES TO BE BARBER COLMAN MODEL GG CEILING RETURN TYPE. STRAIGHT FIN DESIGN WITHOUT INSERTS FOR NET 82.2 % FREE AREA; BAKED ALUMINUM ENAMELED FINISH TYPICAL.

EXHAUST FAN EF-1

(3 REQ'D. TOTAL, 1 EA. IN RMS. C 232, B222-5 & B220) JENN - AIR, MODEL 150A, 3/4 HP, 1800 CFM @ 7/8" SP, 22" x 22" CURB ADAPTER, FURNISH COMPLETE W/ DISCONNECT, BIRDSCREEN & BACKDRAFT DAMPERS.



RM. B220 CEILING / EXHAUST PLAN

1/4" = 1'-0"

CEILING / EXHAUST NOTES

CEILING/EXHAUST NOTES

1. Remove existing 2 x 4 lay-in acoustical ceiling tile. Clean existing metal suspension grid. Install new 2 x 4 lay-in acoustical ceiling tile. (Typical).
2. Clean diffusers in all existing 2 x 4 lay-in fluorescenht light fixtures. Relamp each existing light fixture with four (4) new F40 CW fluorescent lamps. (Typical).
3. Remove/Reinstall existing ceiling mounted P.A. speakers in new ceiling tile.
4. Remove/Reinstall existing HVAC S.A. ceiling diffusers in new ceiling tile. Clean diffusers.
5. Remove existing ceiling exhaust air grilles and associated above-ceiling ductwork. (Trunk duct section running up to rooftop exhaust fan may be retained if large enough size for new required exhaust air flow).
6. Remove existing curb-mounted exhaust fan. Install new specified exhaust fan on existing roof curb. Modify existing roof curb and trunk duct inlet as/if necessary. Reflash new fan/curb as necessary (Existing rubber membrane roofing).
7. Remove/Reinstall existing fume hood ceiling exhaust port (4" dia. pipe) collar (escutcheon in new ceiling tile).
8. Furnish and install new exhaust system, exhaust air ductwork, and new ceiling exhaust grilles (6 per room typical).
9. Remove existing ceiling mounted track type power strips (3 ea. 30 ft. long in Rm. B222-5). Turn power strips over to Owner. Cap existing power circuits to track. Reroute wiring as indicated to serve other electrical needs in room such as power for new animal care cabinet.

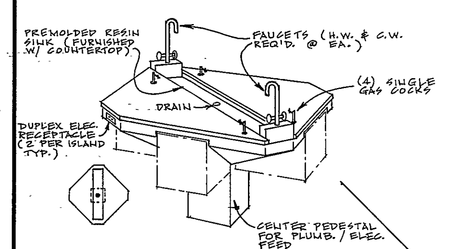
ALTERNATE # SLI-1

DELETE ALL WORK, INCL. DEMOLITION, NEW ROOM FINISHES, MECH. PLUMBING & HVAC, ELECTRICAL ETC. ASSOCIATED WITH PHYSIOLOGY/ENVIRONMENTAL SCIENCE ROOM B220 ONLY. (ALL WORK ASSOC. WITH ROOMS B222-5 & C232 WOULD REMAIN IN CONTRACT)

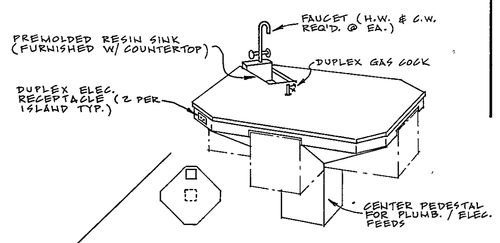
MECH. PLUMBING / PIPING NOTES

MECH/PLUMBING NOTES

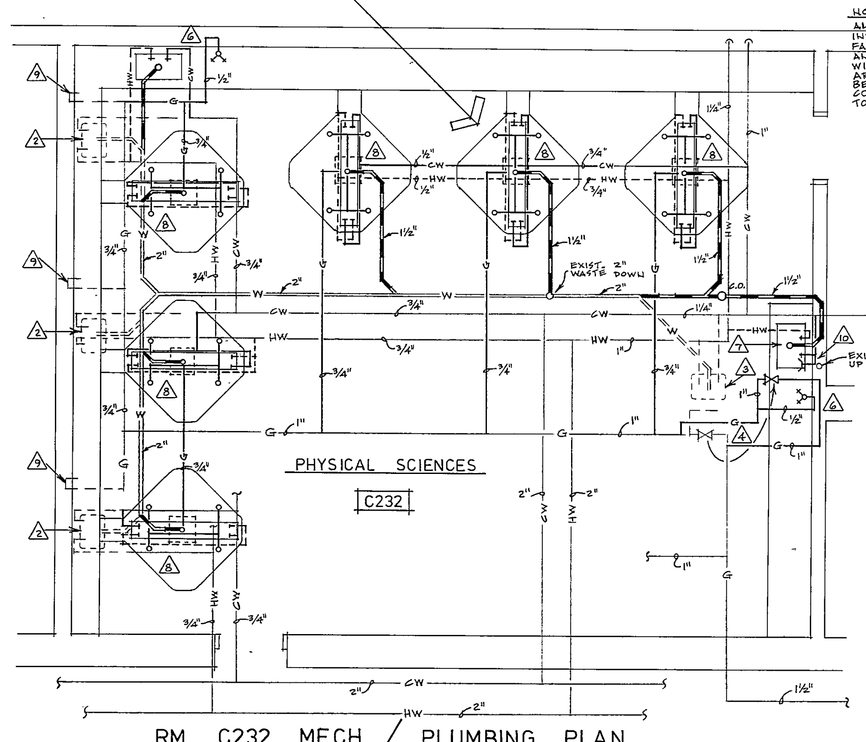
1. Cap exist. C.W. supply & waste @ Aquarium (Flush w/wall or below floor).
2. Cap exist. C.W. & H.W. supply, vent & waste @ former countertop sink locations. (Flush w/wall or below floor).
3. Cap exist. C.W. & H.W. supply, vent & waste @ former demonstration sink location. (Below floor).
4. Remove and relocate exist. main Rm. gas shut-off as shown (to nearby base cabinet location or adjacent wall).
5. Remove exist. island top 4-plex gas cock unit and 1/2" gas pipe feed back to wall.
6. Extend exist. 1/2" gas supplies @ wall to serve new adjacent countertop duplex gas cocks.
7. Install new faucet sets, new drains @ new countertop formed resin sinks; install new 'P' trap; and connect to nearest adjacent C.W. & H.W. supply lines and waste line. (Thru hollow wall stud space, or below floor) all H.W., C.W. & Gas stubs to faucets/cocks shall be 1/2" dia. H.W. & C.W. stubs shall have chrome shut-offs in sink base cabinet below typ. New 'P' trap shall be Duriron type, 1½" dia. typical.
8. Same as note #7, except also run new C.W., H.W., Gas, Waste & Vent piping to island pedestals as shown. (Run piping below floor typ.)
9. Cap/Remove exist. gas stubs where countertop gas cocks are to be removed and not relocated/replaced.
10. Install new deck mount eye-wash unit @ sink and connect to C.W. supply.



TYP. LAB ISLAND - RM. C232
(W/ RECT. TROUGH SINK)



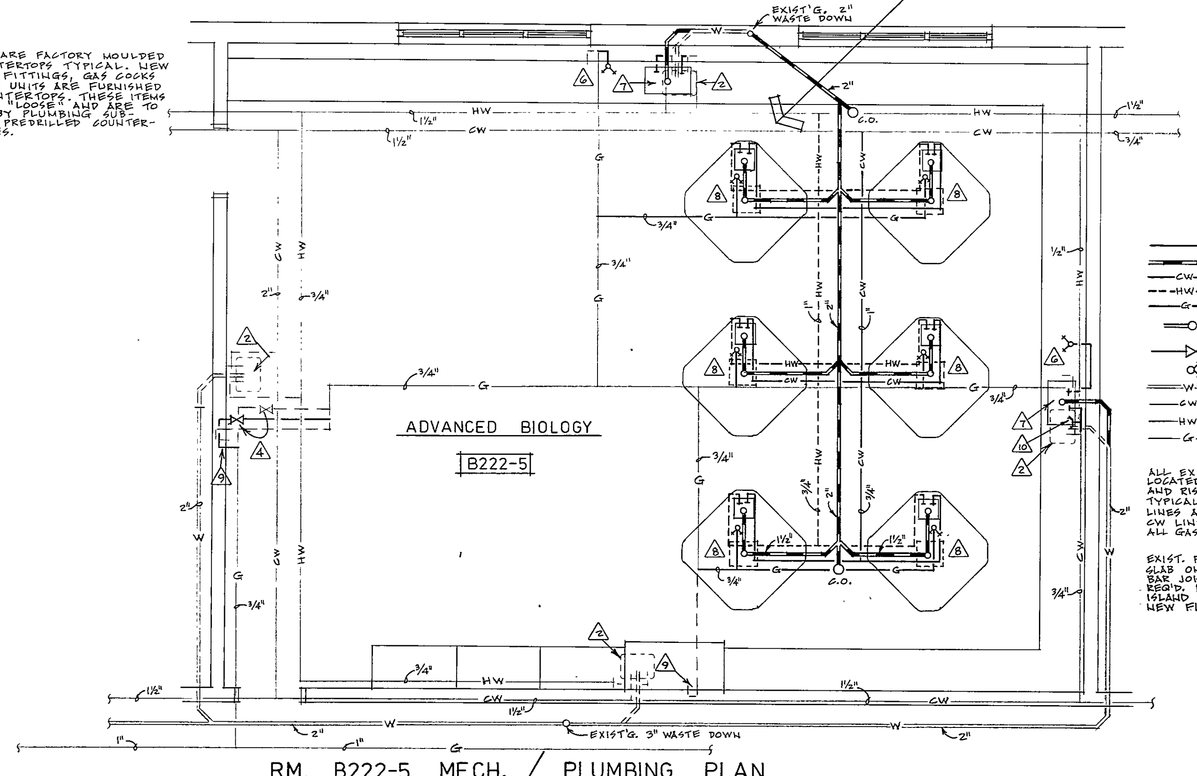
TYP. LAB ISLAND - RM. B222-5
(W/ SQUARE SINK)



NOTE:
ALL NEW SINKS ARE FACTORY MOULDED INTO NEW COUNTERTOPS TYPICAL. NEW FAUCETS, DRAIN FITTINGS, GAS COCKS AND EYE-WASH UNITS ARE FURNISHED WITH NEW COUNTERTOPS. THESE ITEMS ARE FURNISHED "LOOSE" AND ARE TO BE INSTALLED BY PLUMBING SUB-CONTRACTOR IN PREDRILLED COUNTERTOP DECK HOLES.

RM. C232 MECH. / PLUMBING PLAN

1/4" = 1'-0"



RM. B222-5 MECH. / PLUMBING PLAN

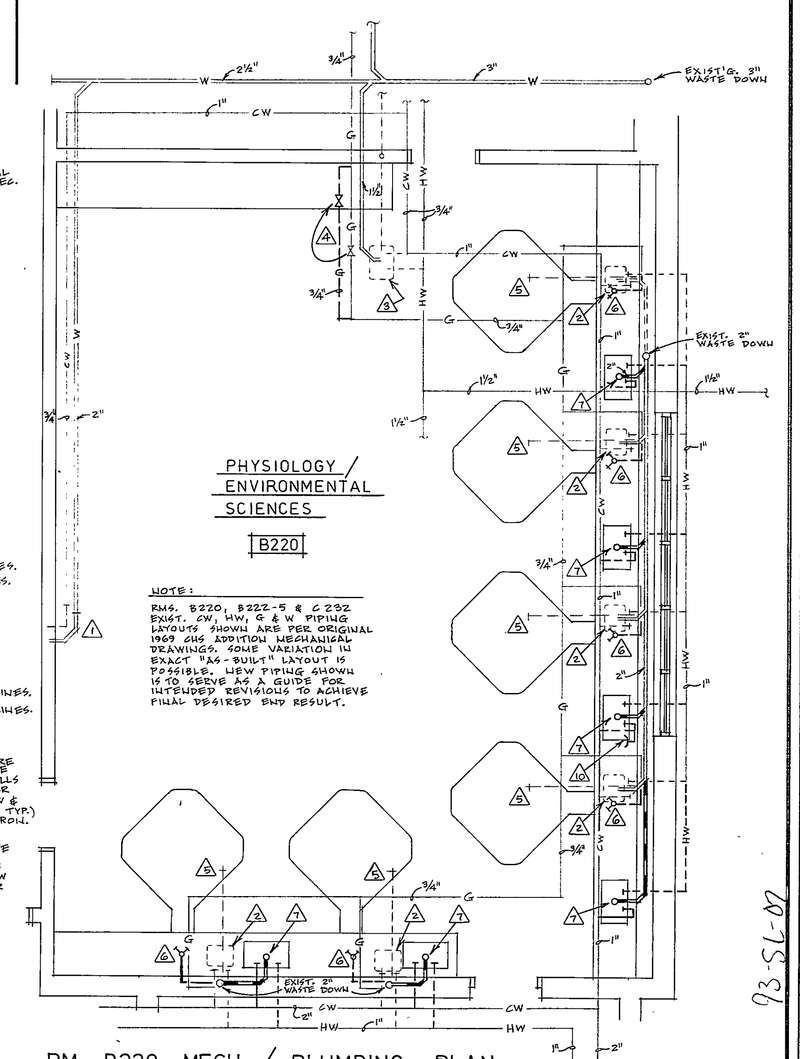
1/4" = 1'-0"

KEY

- HW DRAIN LINES.
- CW NEW COLD WATER LINES.
- HW NEW HOT WATER LINES.
- G NEW GAS LINES.
- C.O. NEW CLEANOUT.
- NEW GAS SHUT-OFF VALVE
- NEW GAS COCKS.
- W EXIST. WASTE LINES.
- CW EXIST. COLD WATER LINES.
- HW EXIST. HOT WATER LINES.
- G EXIST. GAS LINES.

ALL EXIST. W, HW & CW LINES ARE LOCATED BELOW FLOOR STRUCTURE AND RISE UP THRU ADJACENT WALLS TYPICAL. ALSO, ALL VENT & WATER LINES ARE DURIRON PIPE. ALL HW & CW LINES ARE COPPER. (INSULATED TYP.) ALL GAS PIPING IS SCHED. 40 BLACK IRON.

EXIST. FLOOR IS 4" THICK CONCRETE SLAB ON METAL DECK WITH STEEL BAR JOIST SUPPORT. CORE DRILL AS REQ'D. FOR PIPING ACCESS TO NEW ISLAND PEDESTAL CHASSIS AND FOR NEW FLOOR CLEAN OUTS.



NOTE:
RMS. B220, B222-5 & C 232 EXIST. CW, HW, G & W PIPING LAYOUTS SHOWN ARE PER ORIGINAL 1969 GIS ADDITION MECHANICAL DRAWINGS. SOME VARIATION IN EXACT "AS-BUILT" LAYOUT IS POSSIBLE. NEW PIPING SHOWN IS TO SERVE AS A GUIDE FOR INTENDED REVISIONS TO ACHIEVE FINAL DESIRED END RESULT.

RM. B220 MECH. / PLUMBING PLAN

1/4" = 1'-0"

REVISIONS	BY

SCIENCE LABS - CEILING / EXHAUST & PLUMBING PLANS

SUMMER 1993 DUNELAND RENOVATION PROJECTS
DUNELAND SCHOOL CORPORATION chesterton, indiana
gerometta & kinel architects, inc. chesterton, indiana

DATE	3/10/93.
SCALE	1/4" = 1'-0"
DRAWN	TLA
JOB	9301
SHEET	SL-2 OF 7 SHEETS

93 SL 07