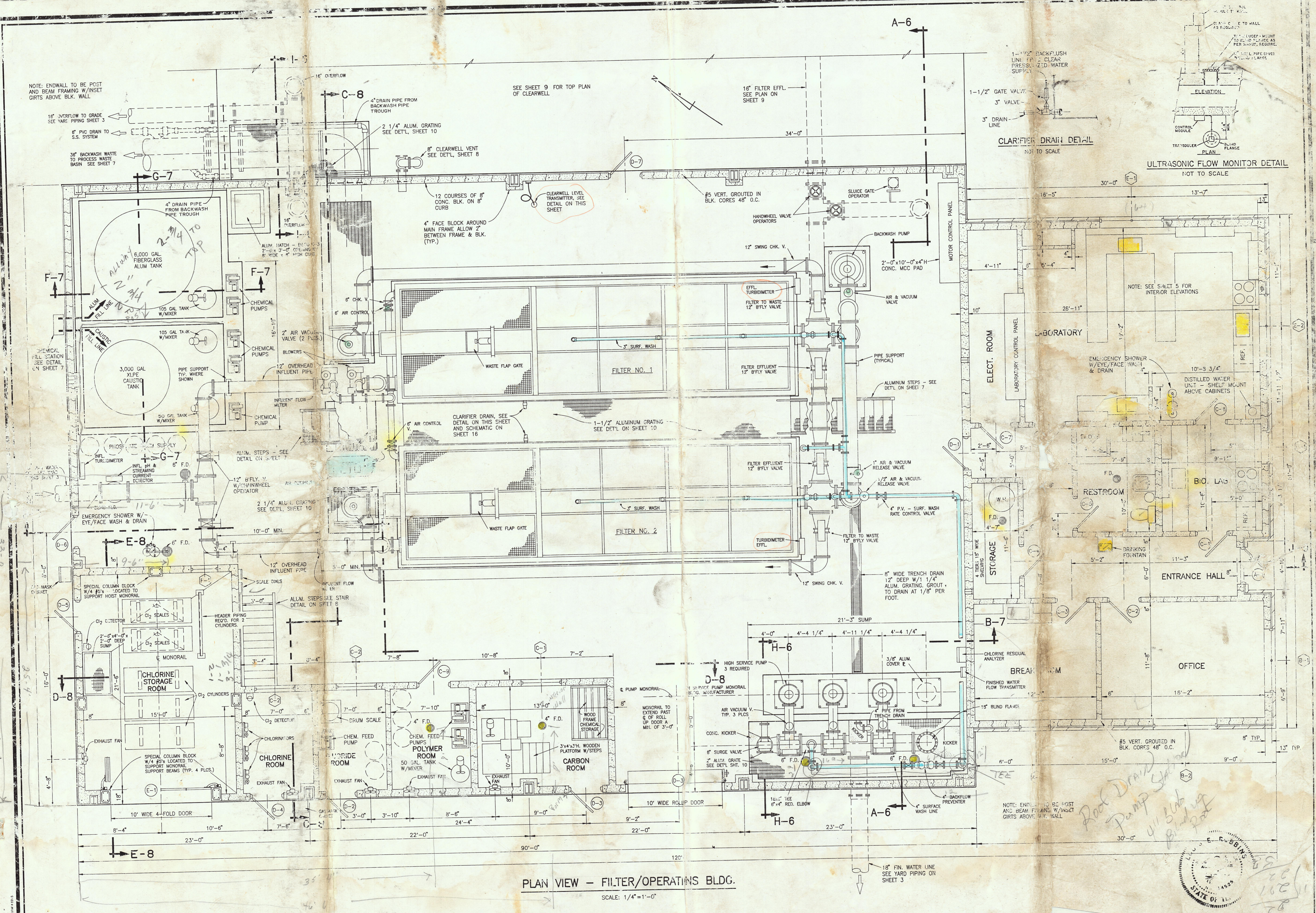


REVISIONS

1	4/19/93	INSTALLED 36" B.C.WASH PIPE IN TROUGH, ABOVE 6" WIDE TRENCH DRAIN.
---	---------	--

DATE: MARCH, 1993
PROJECT NO. 0992



PLAN VIEW - FILTER/OPERATIONS BLDG.
SCALE: 1/4" = 1'-0"

CLARIFIER DRAIN DETAIL
NOT TO SCALE

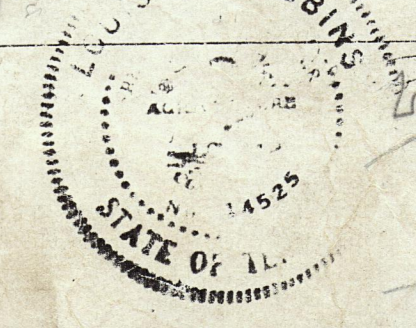
ULTRASONIC FLOW MONITOR DETAIL
NOT TO SCALE

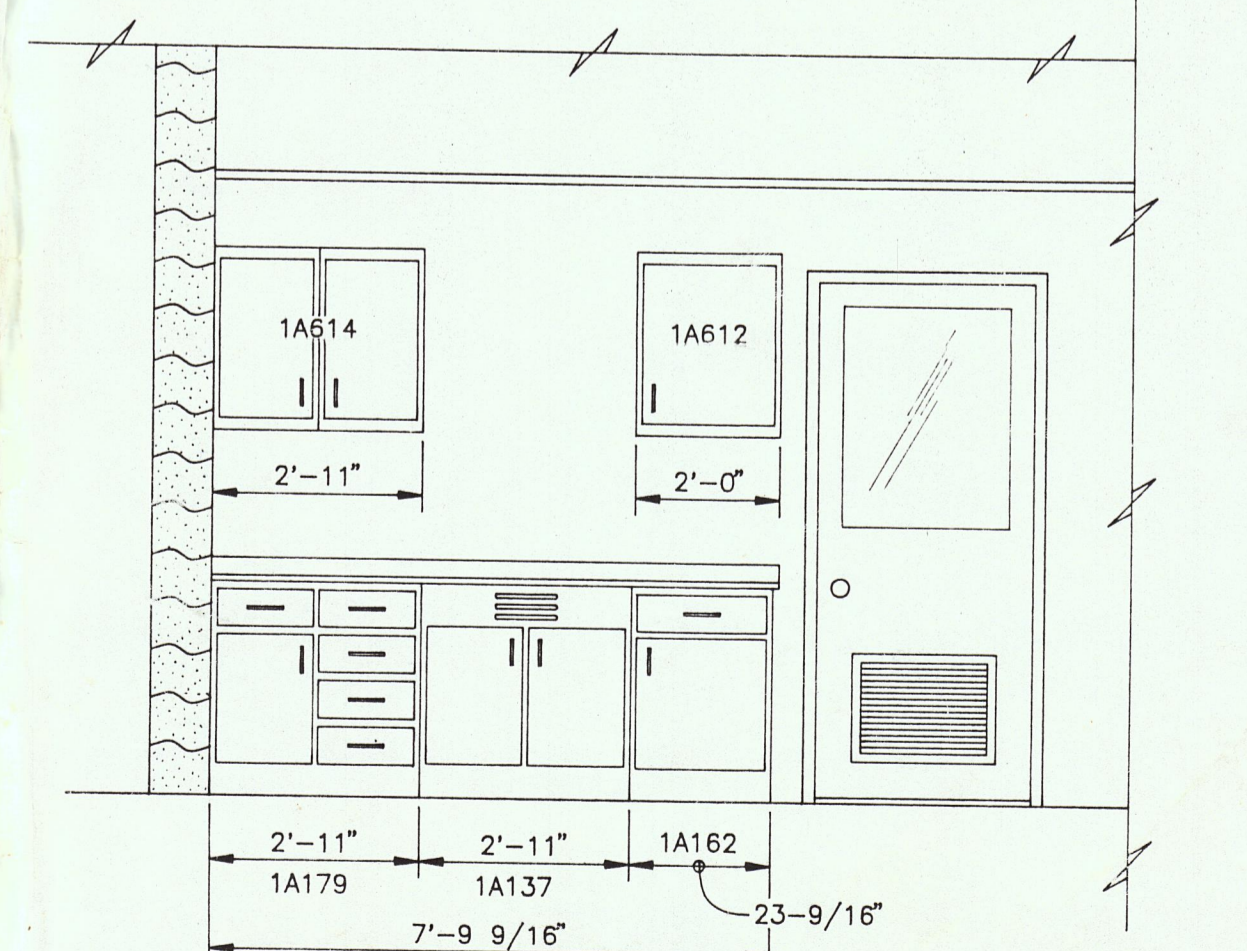
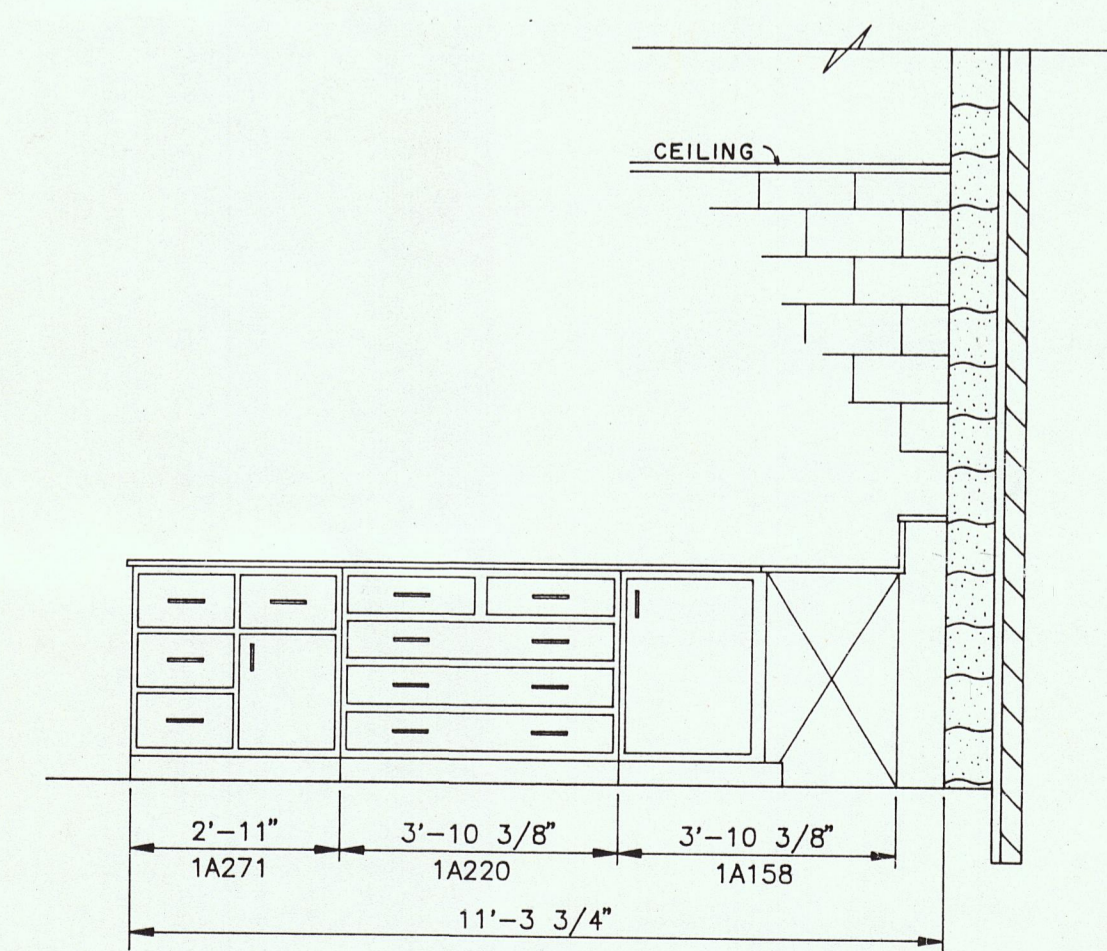
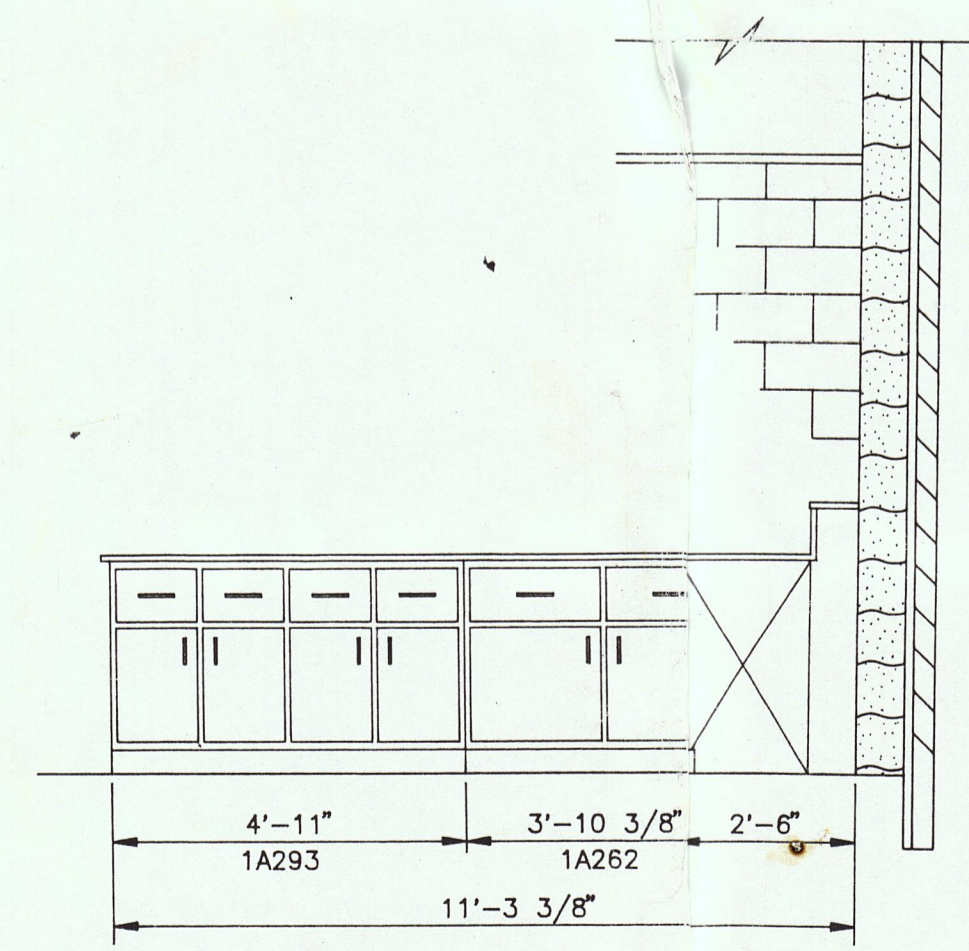
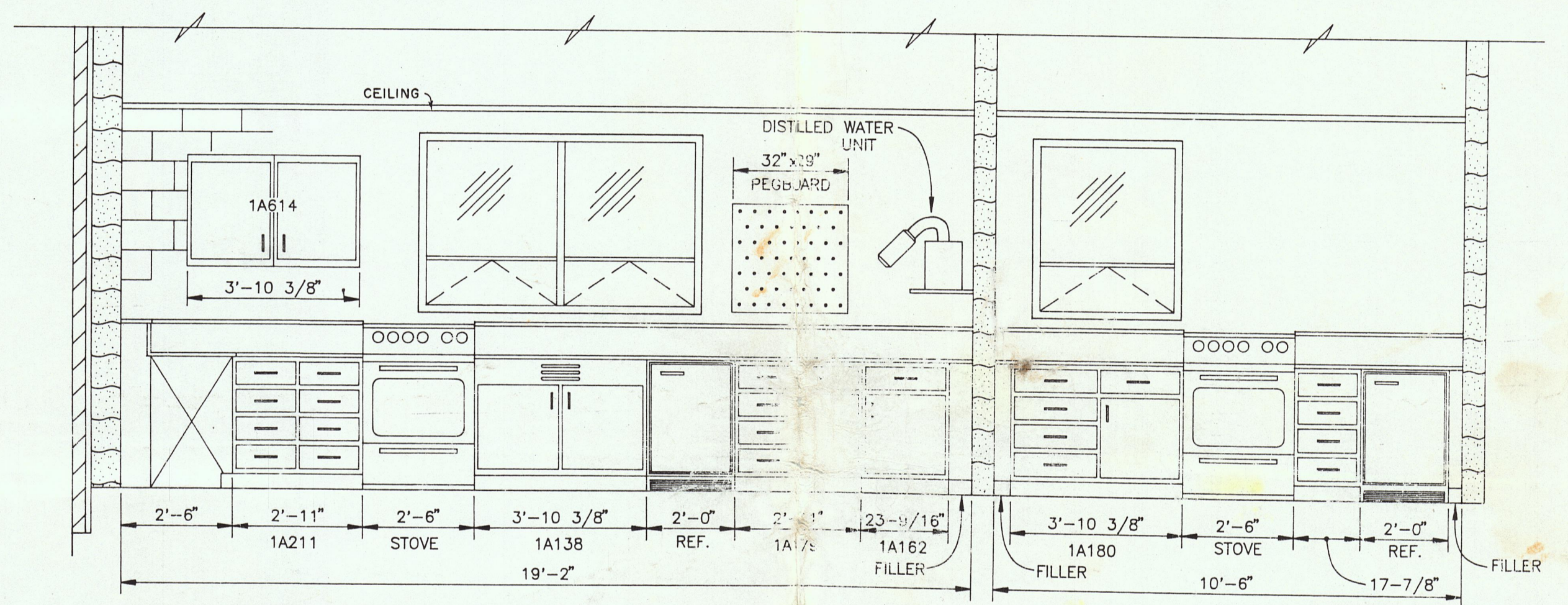
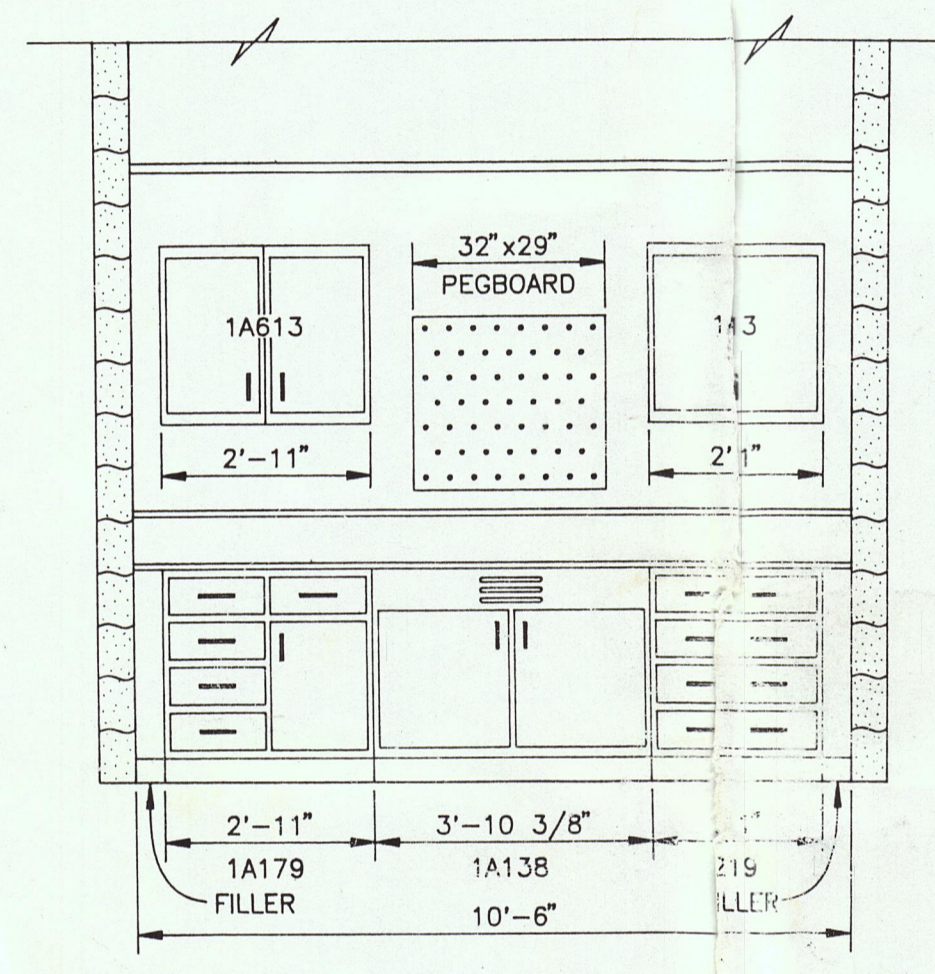
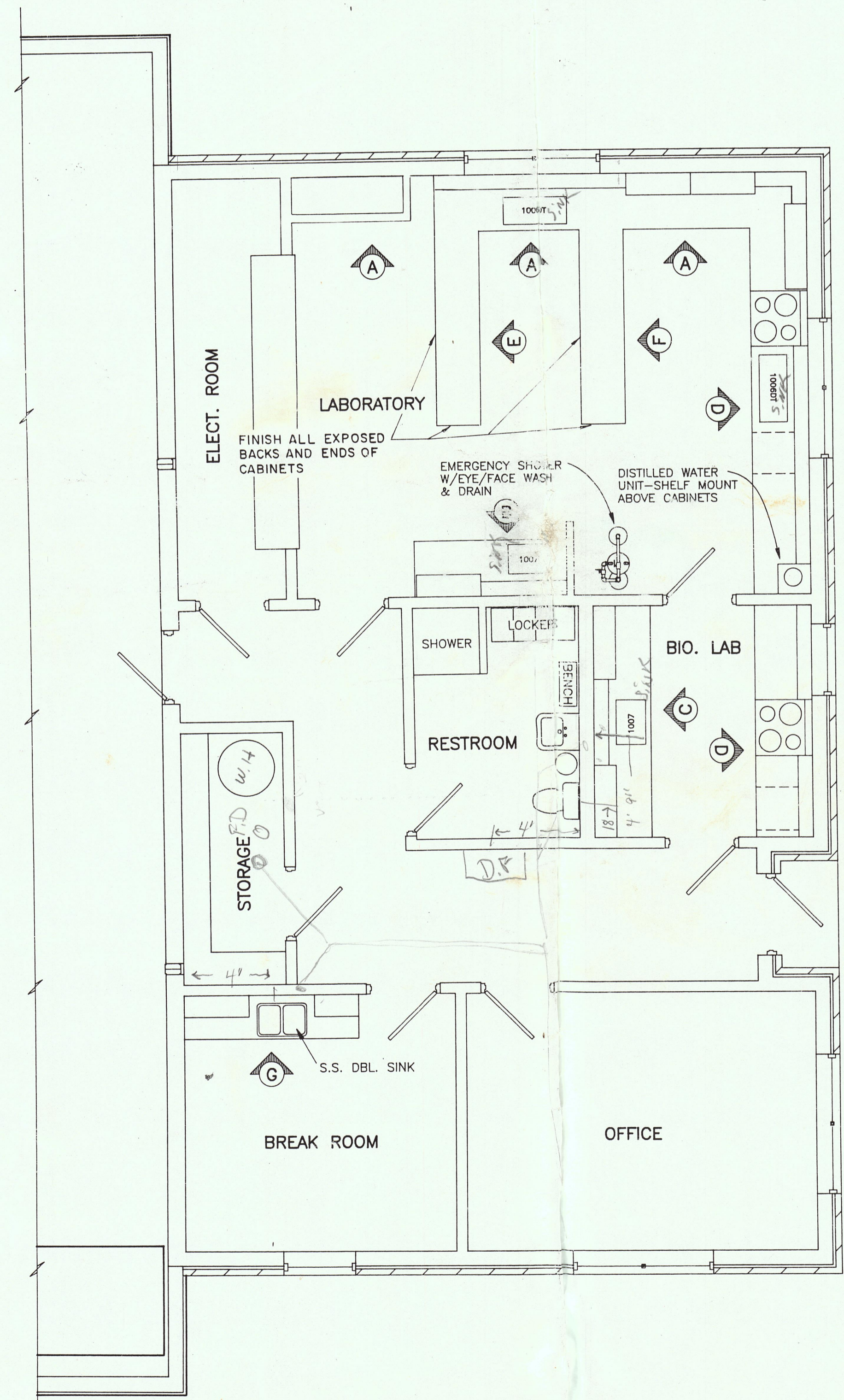
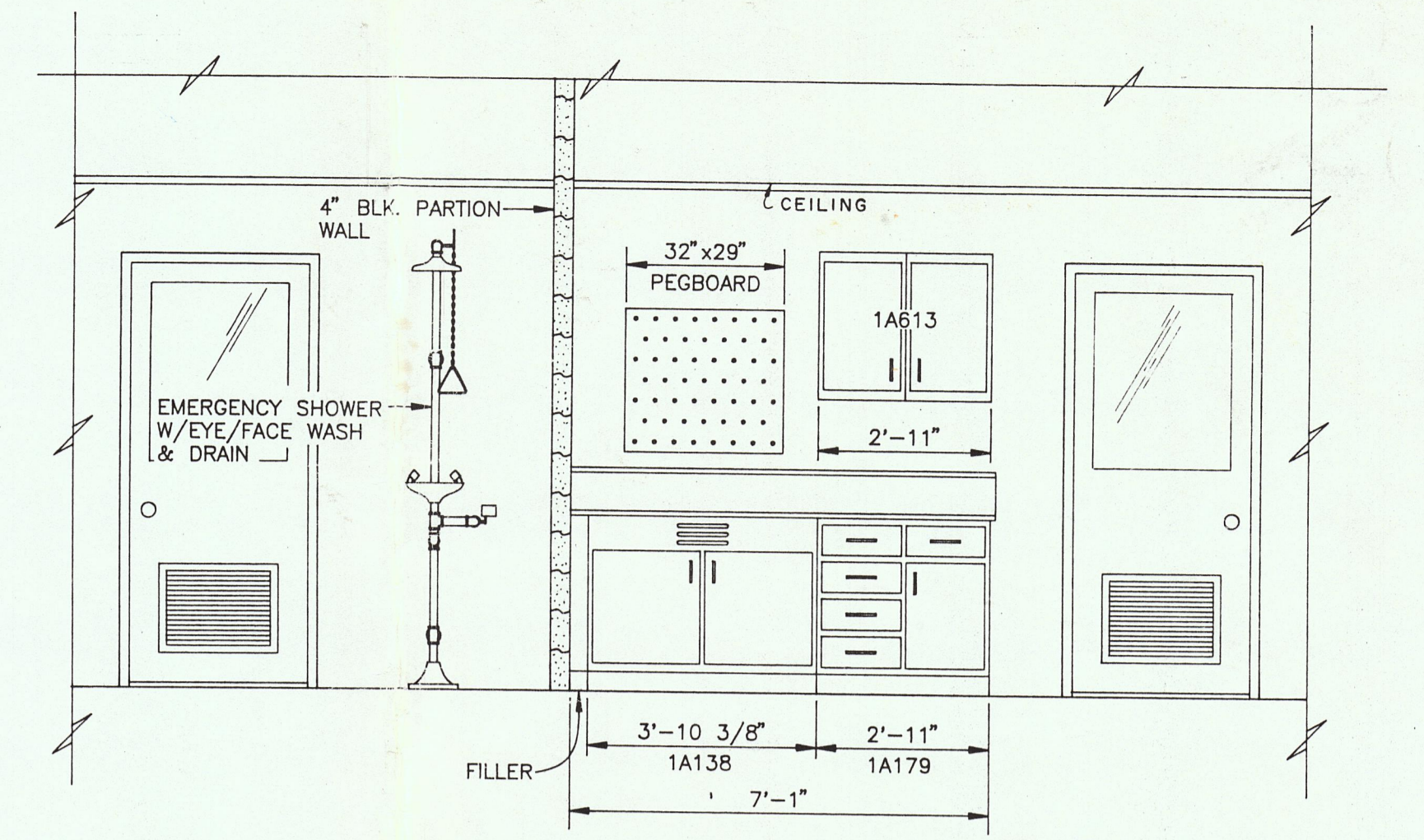
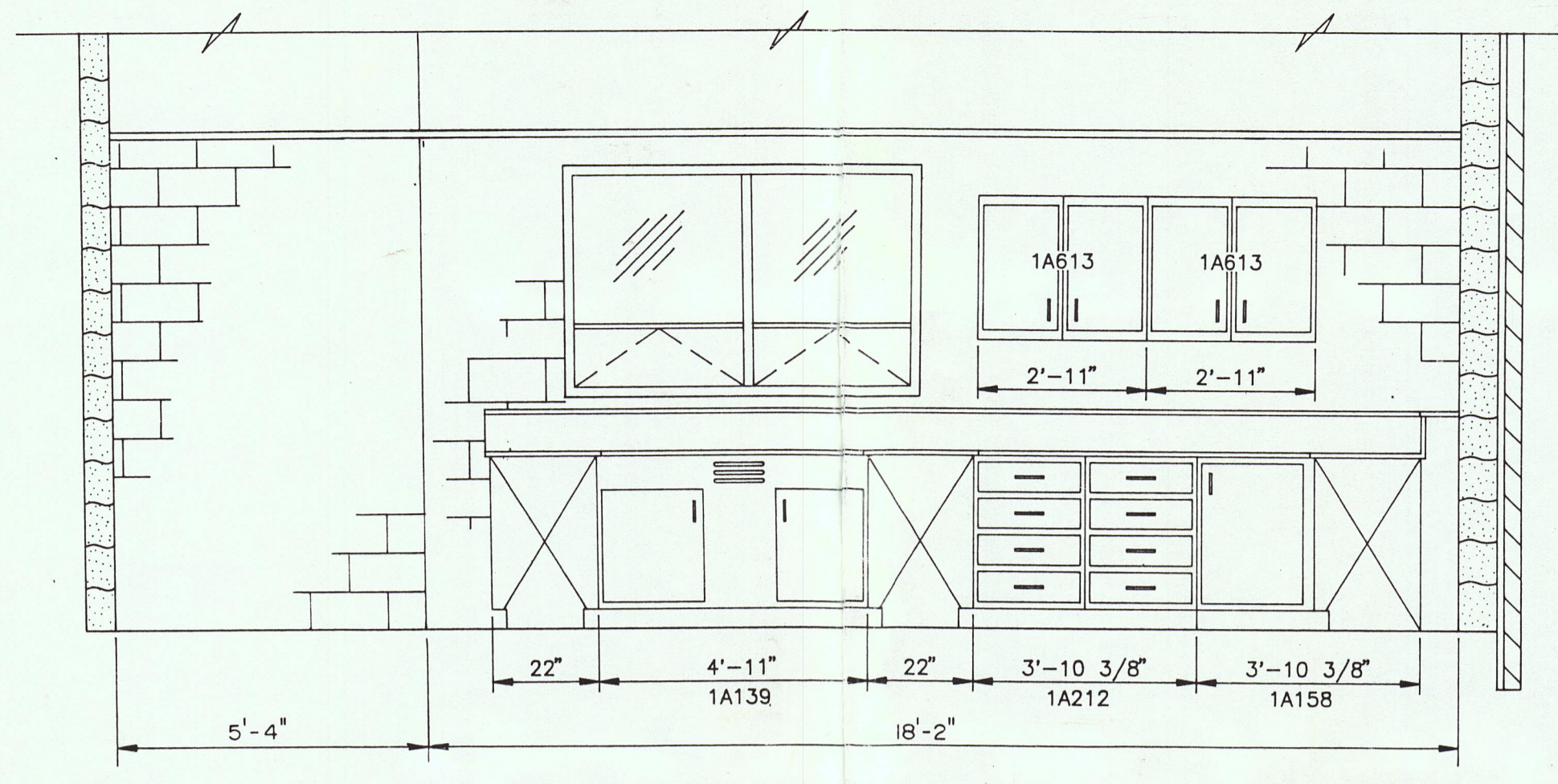
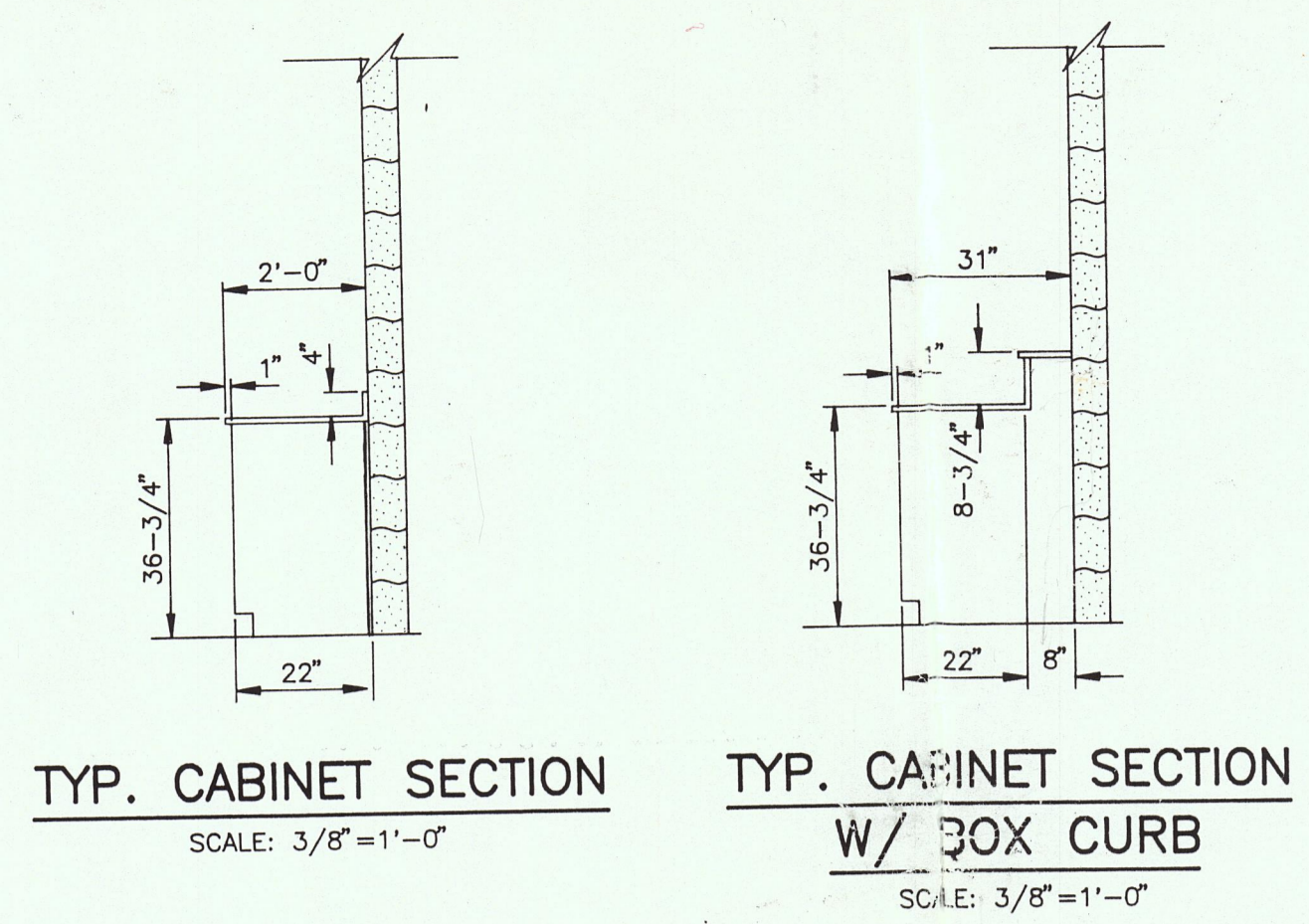
NOTE: ENDWALL TO BE POST AND BEAM FRAMING W/INSET GIRTS ABOVE BLK. WALL

NOTE: SEE SHEET 5 FOR INTERIOR ELEVATIONS

NOTE: ENDWALL TO BE POST AND BEAM FRAMING W/INSET GIRTS ABOVE BLK. WALL

Handwritten notes:
Roof Drain Pump Station
4" Blk. Building



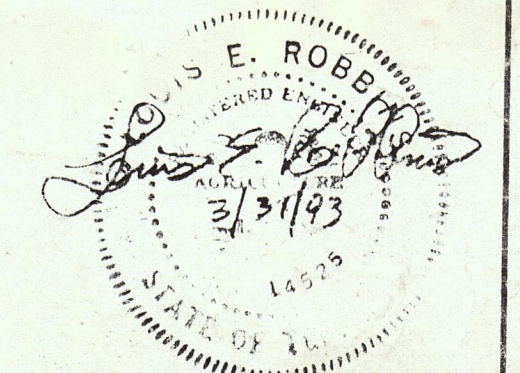


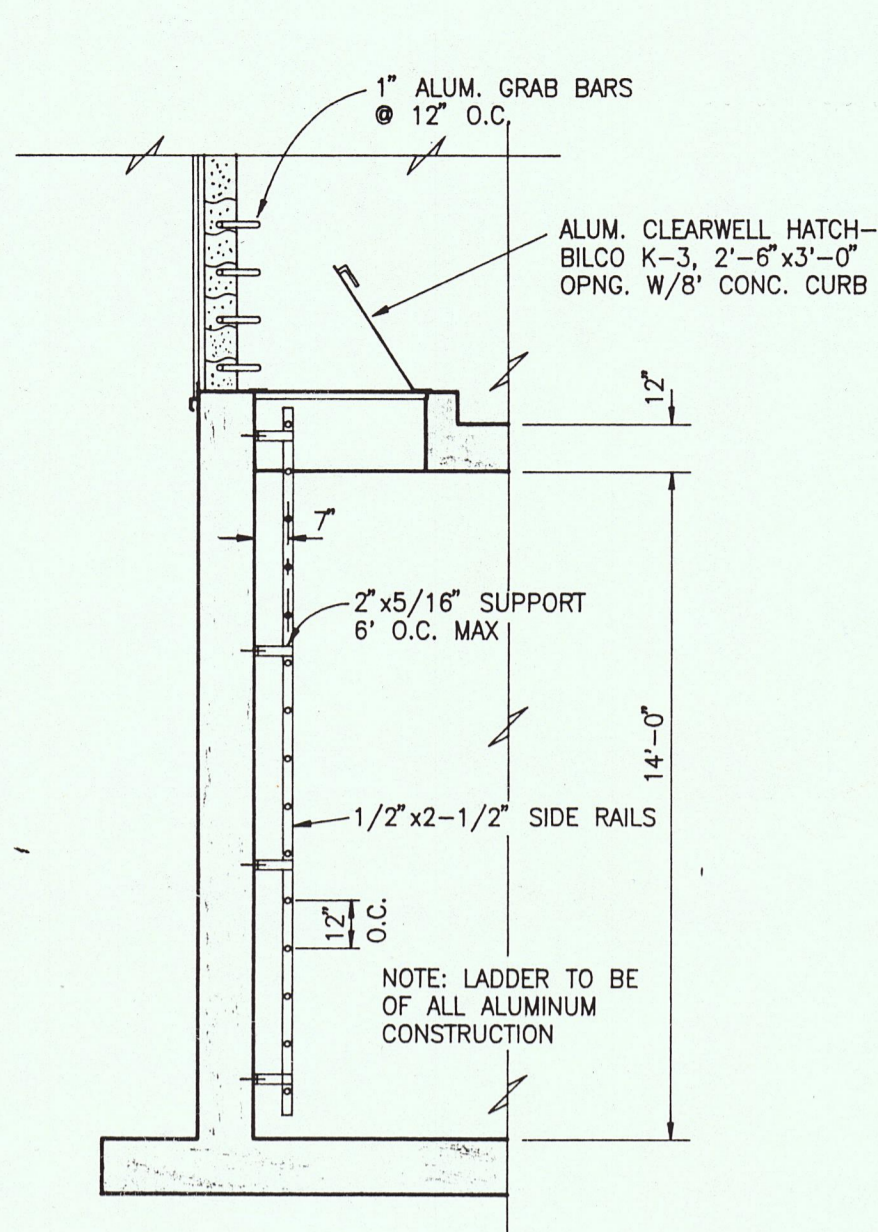
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CONSULTING ENGINEERS
NASHVILLE · KNOXVILLE
LEXINGTON, KY

CONTRACT W93-04
HARRIMAN, TENNESSEE
OPERATIONS BLDG. -- FLOOR PLAN AND INTERIOR DETAILS

REVISIONS

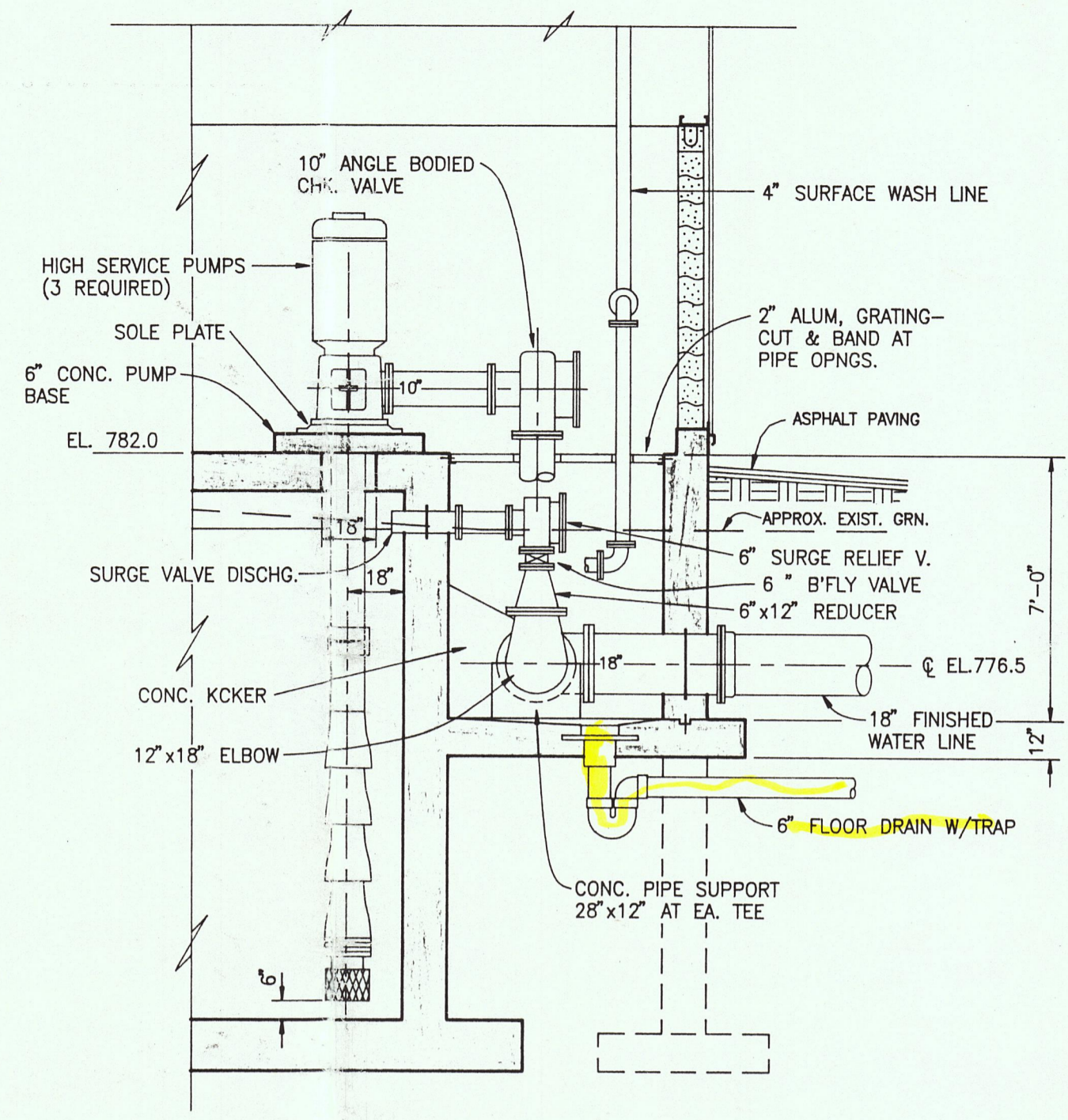
DESIGNED: L. E. R.
DRAWN: S. C. P.
CHECKED: L. E. R.
DATE: MARCH, 1993
SCALE: AS NOTED
PROJ. NO. C592





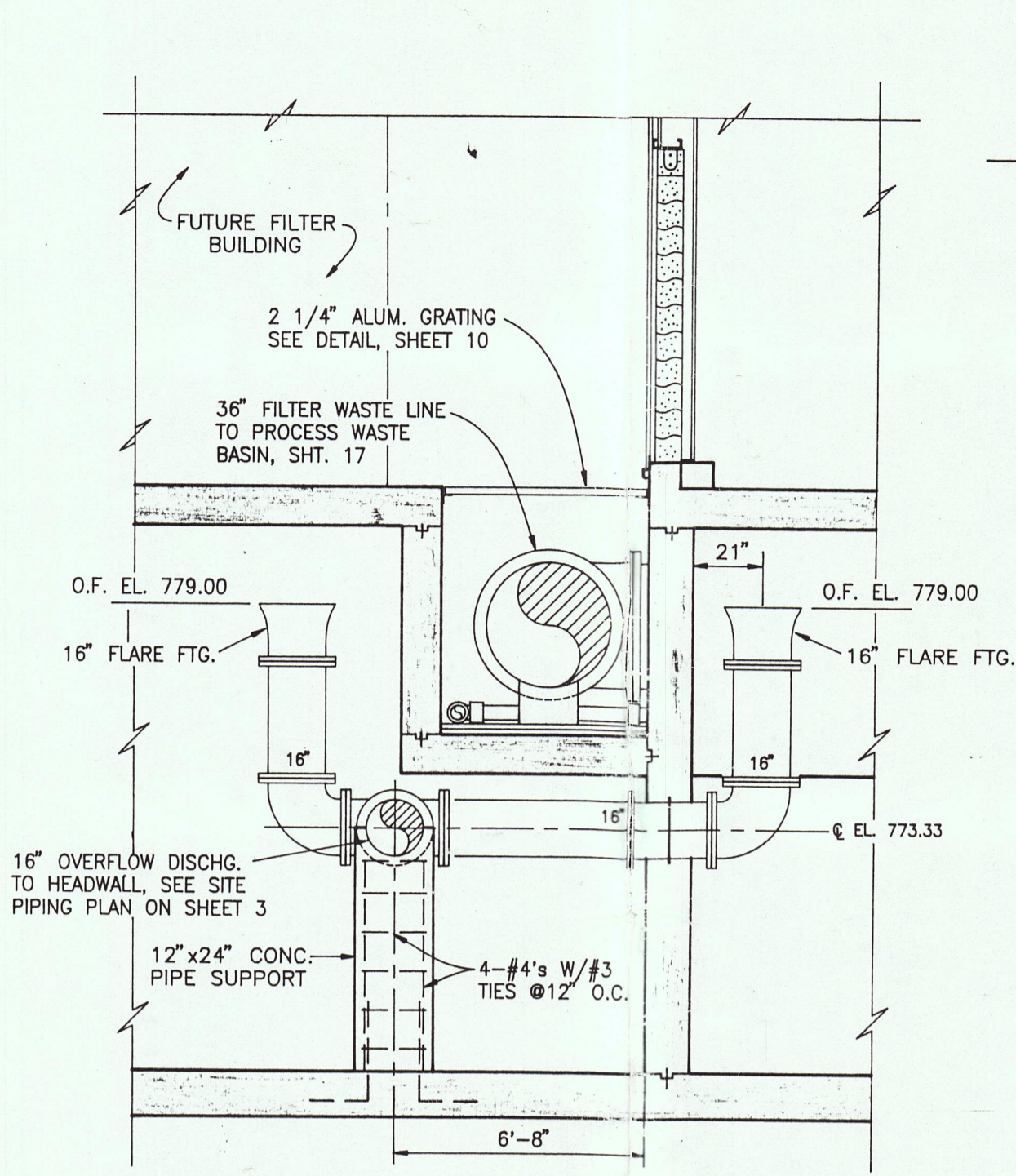
CLEARWELL LADDER DETAIL

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



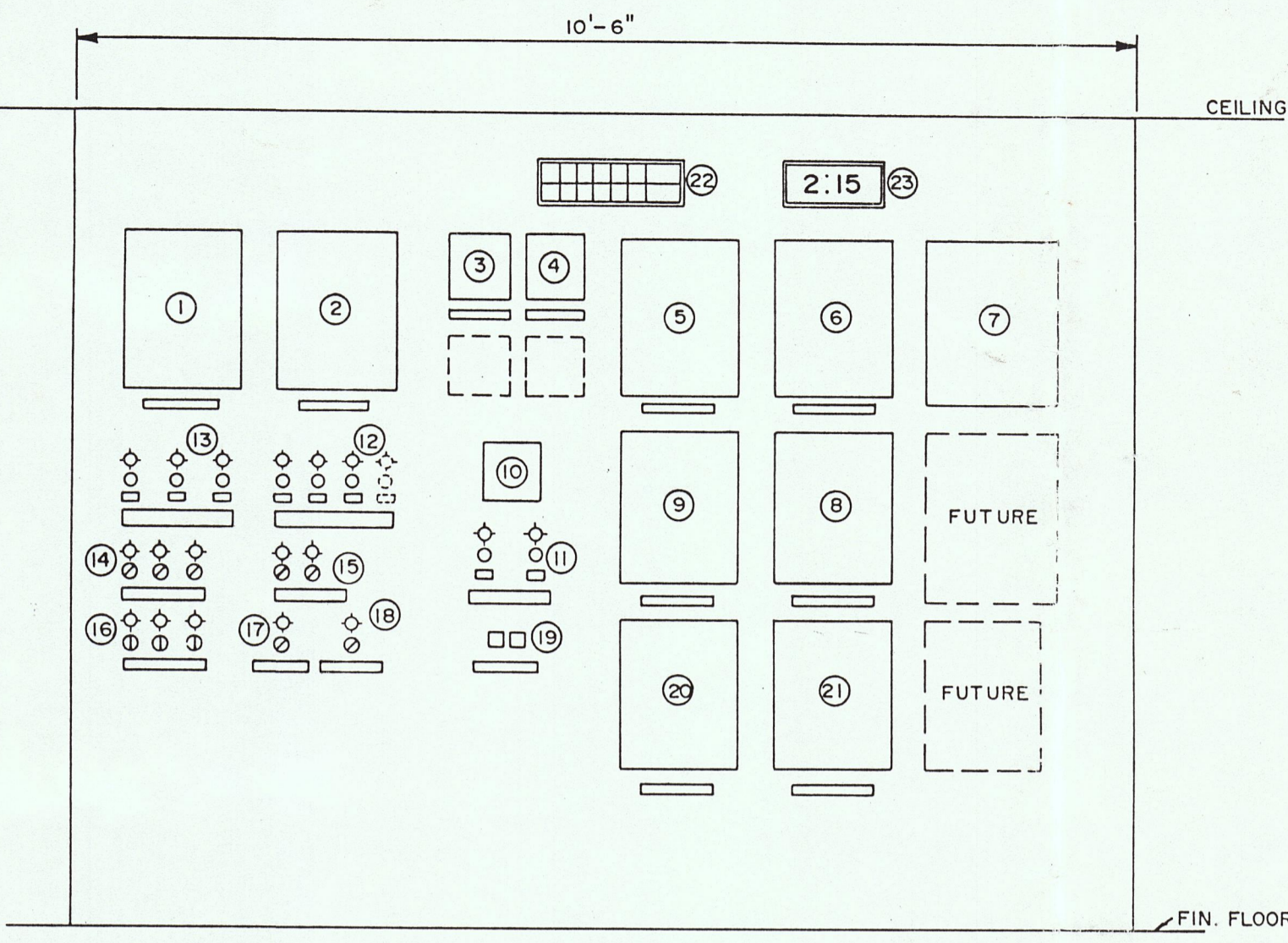
SECTION H-6

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



**SECTION I-6
OVERFLOW PIPING DETAIL**

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



CONTROL PANEL (LABORATORY)

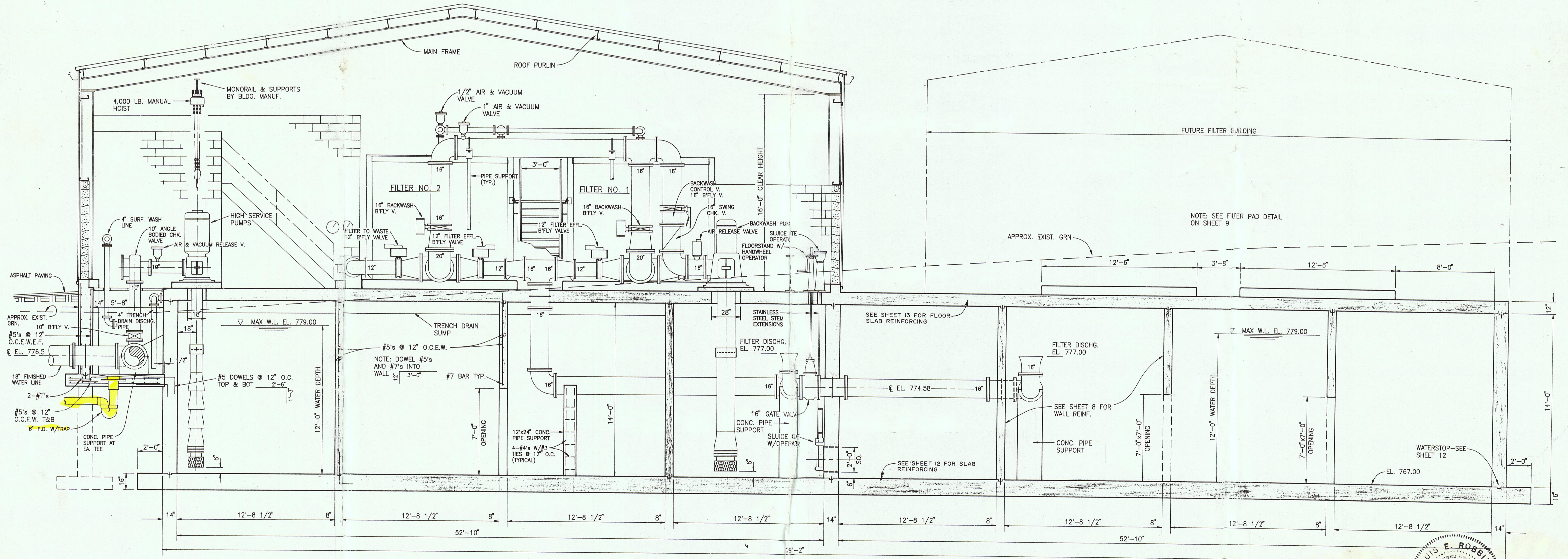
NOT TO SCALE

LEGEND

1. RAW WATER FLOW T/I/R
2. FINISHED WATER FLOW T/I/R
3. RAW WATER TURBIDITY I/R (1 PEN)
4. FINISHED WATER TURBIDITY I/R (2 PEN)
5. CLEARWELL LEVEL I/R
6. CHLORINE RESIDUAL I/R
7. AQUARITOL II UNIT (FURNISHED BY TREATMENT PLANT MANUFACTURER)
8. TANK LEVEL I/R (WEST HILLS)
9. TANK LEVEL I/R (OLD RESERVOIR)
10. PROCESS WASTE BASIN LEVEL INDICATOR
11. PROCESS WASTE DECANT PUMP CONTROL (TWO)
12. HIGH SERVICE PUMP CONTROL (THREE)
13. RAW WATER PUMP CONTROL (THREE)
14. CHLORINATOR CONTROL (THREE)
15. POLYMER FEED PUMP CONTROL (TWO)
16. CARBON FEEDER CONTROL/DUCTORS (THREE)
17. CORROSION INHIBITOR FEED PUMP CONTROL
18. FLUORIDE FEED PUMP CONTROL
19. ANNUNCIATOR TEST AND ACKNOWLEDGE BUTTONS
20. TANK LEVEL I/R (EMORY HEIGHTS)
21. TANK LEVEL I/R (WOLFE BRANCH)
22. ANNUNCIATOR
23. DIGITAL CLOCK

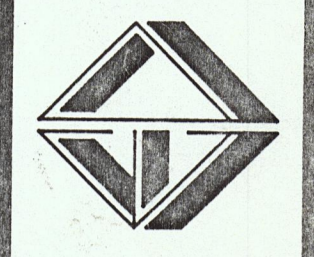
ANNUNCIATOR

1. HIGH RAW WATER TURBIDITY
2. HIGH FINISHED WATER TURBIDITY
3. HIGH/LOW pH
4. LOW CHLORINE RESIDUAL
5. HIGH LEVEL - PROCESS WASTES BASIN
6. LOW LEVEL - CLEARWELL
7. HIGH LEVEL - CLEARWELL
8. LOW LEVEL - OLD RESERVOIR
9. HIGH LEVEL - OLD RESERVOIR
10. CHLORINE LEAK



SECTION A-6

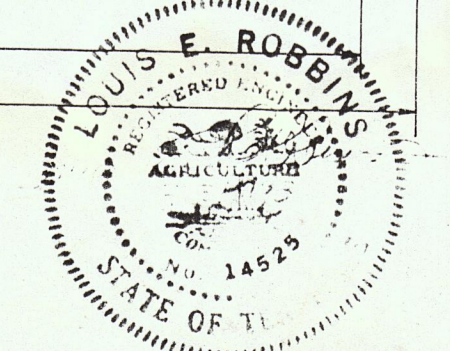
SCALE: 1/4"=1'-0"

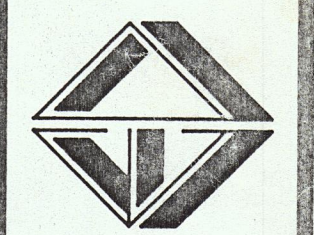


REVISIONS

- 4/18/93
- ADDED TRENCH DRAIN AND OVERFLOW PIPING DET.

DESIGNED: L.E.R.
DRAWN: S.C.G.
CHECKED: L.E.R.
DATE: MARCH, 1993
SCALE: NOTED
PROJ. NO. 0592

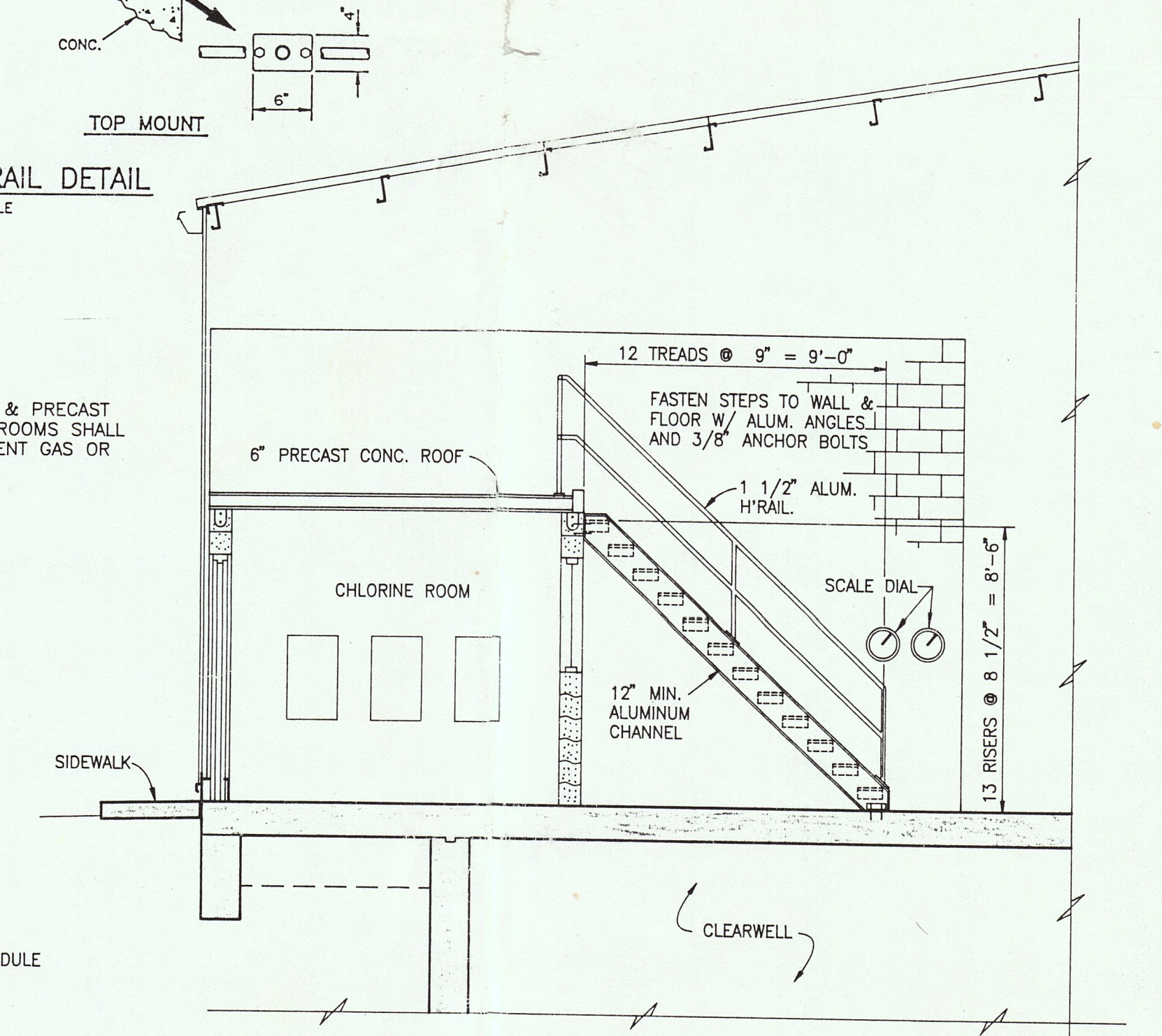
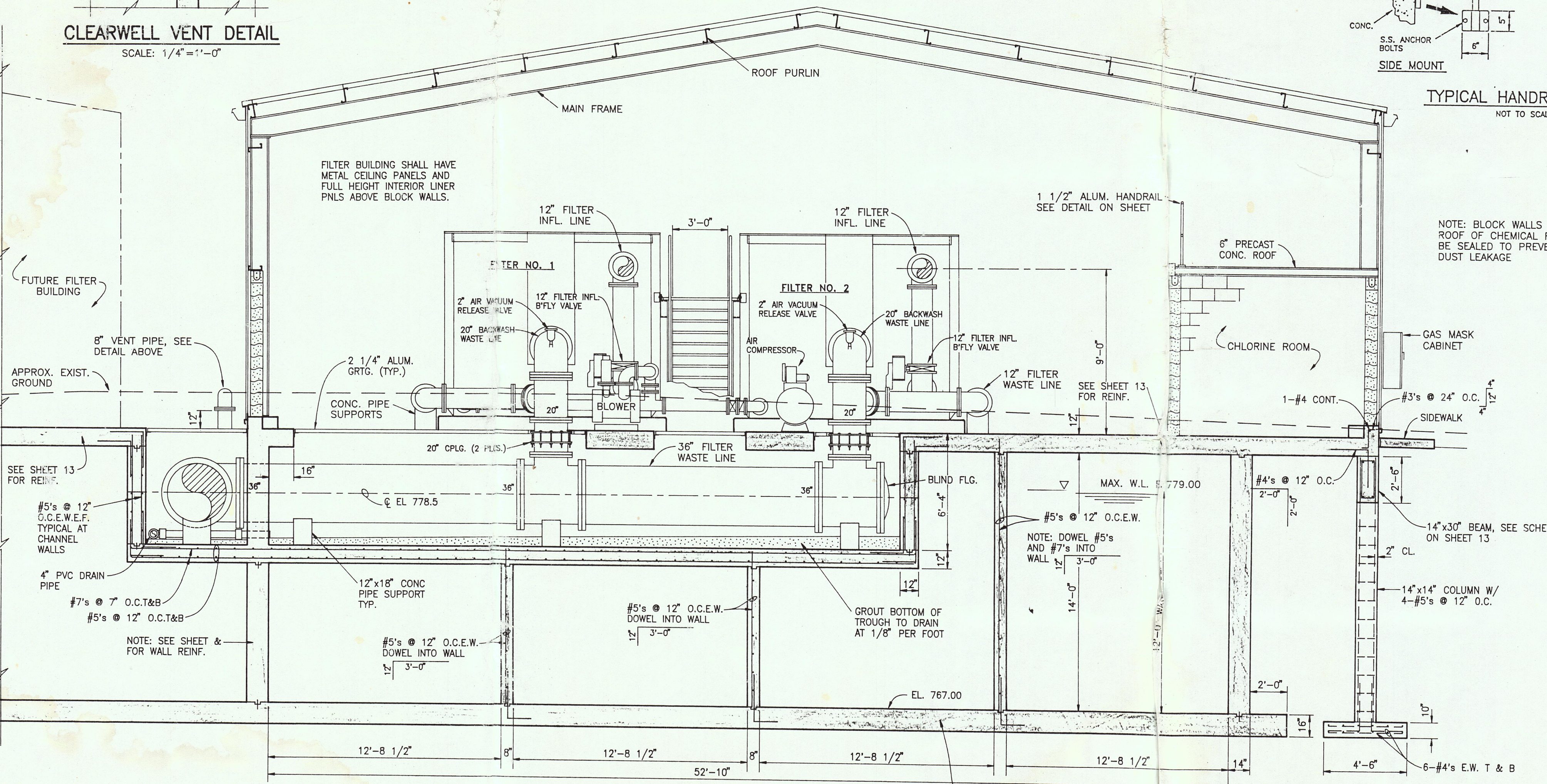
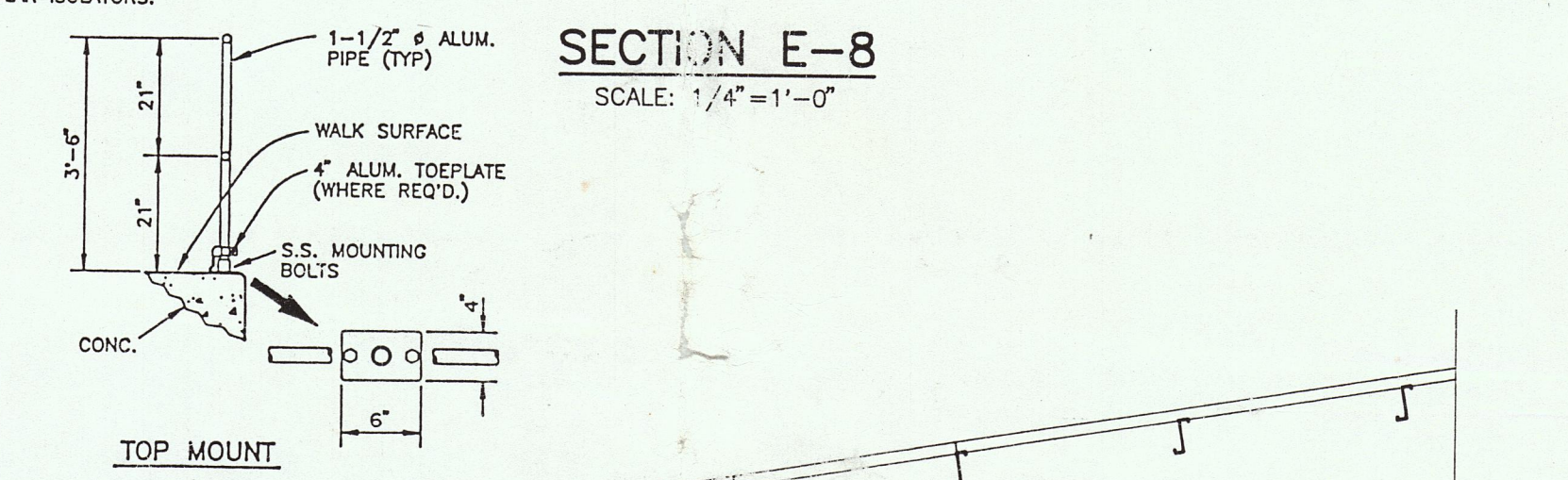
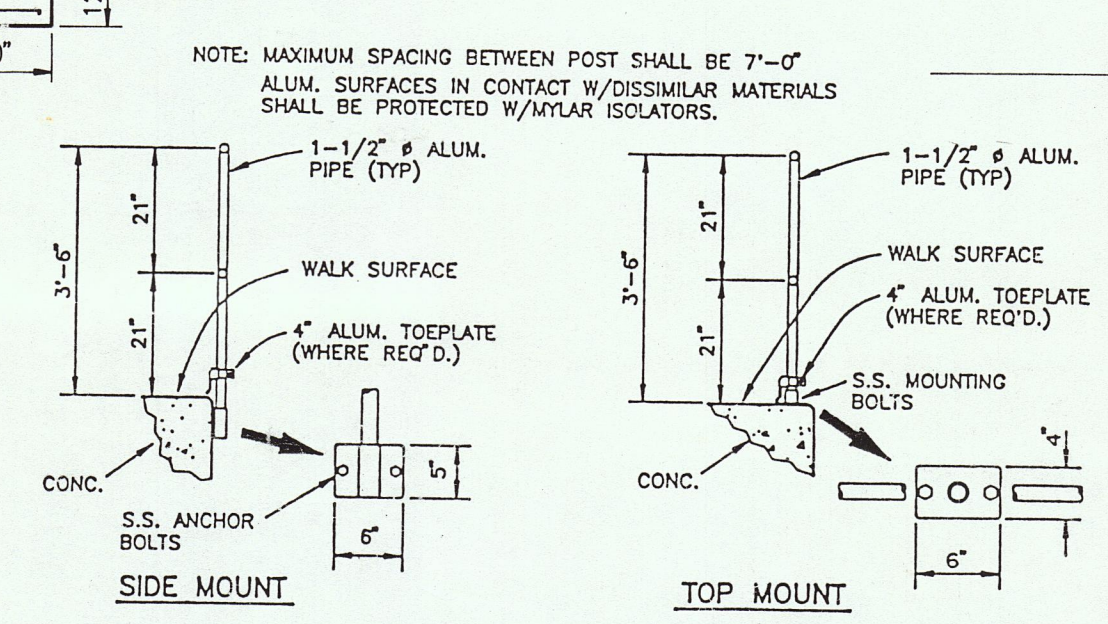
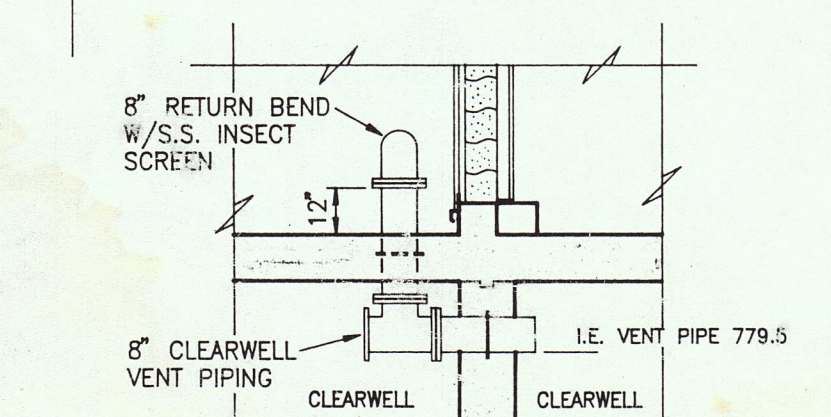
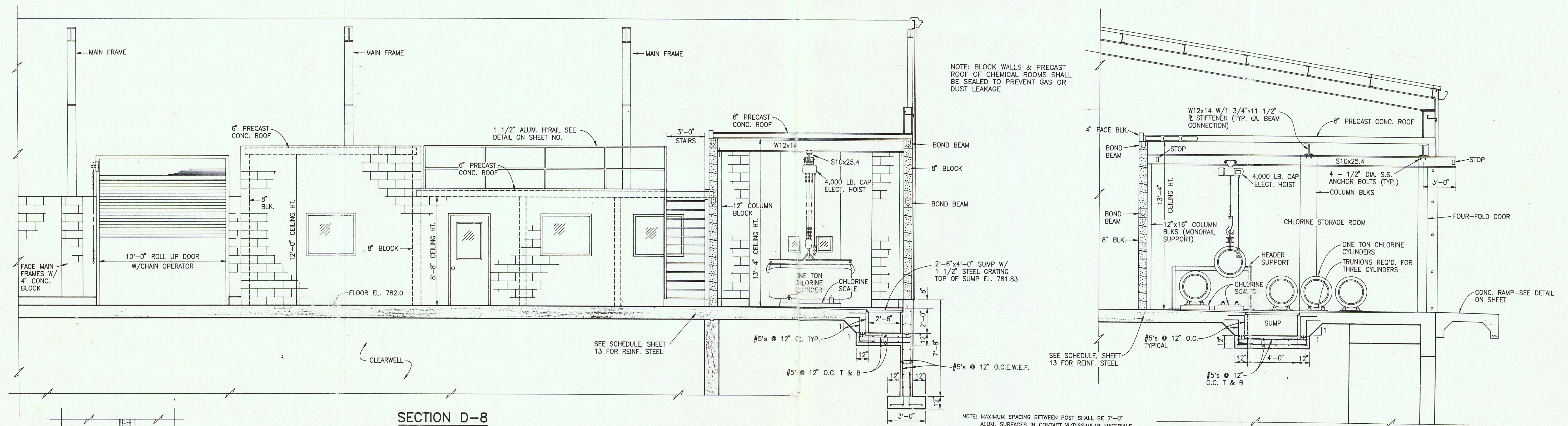


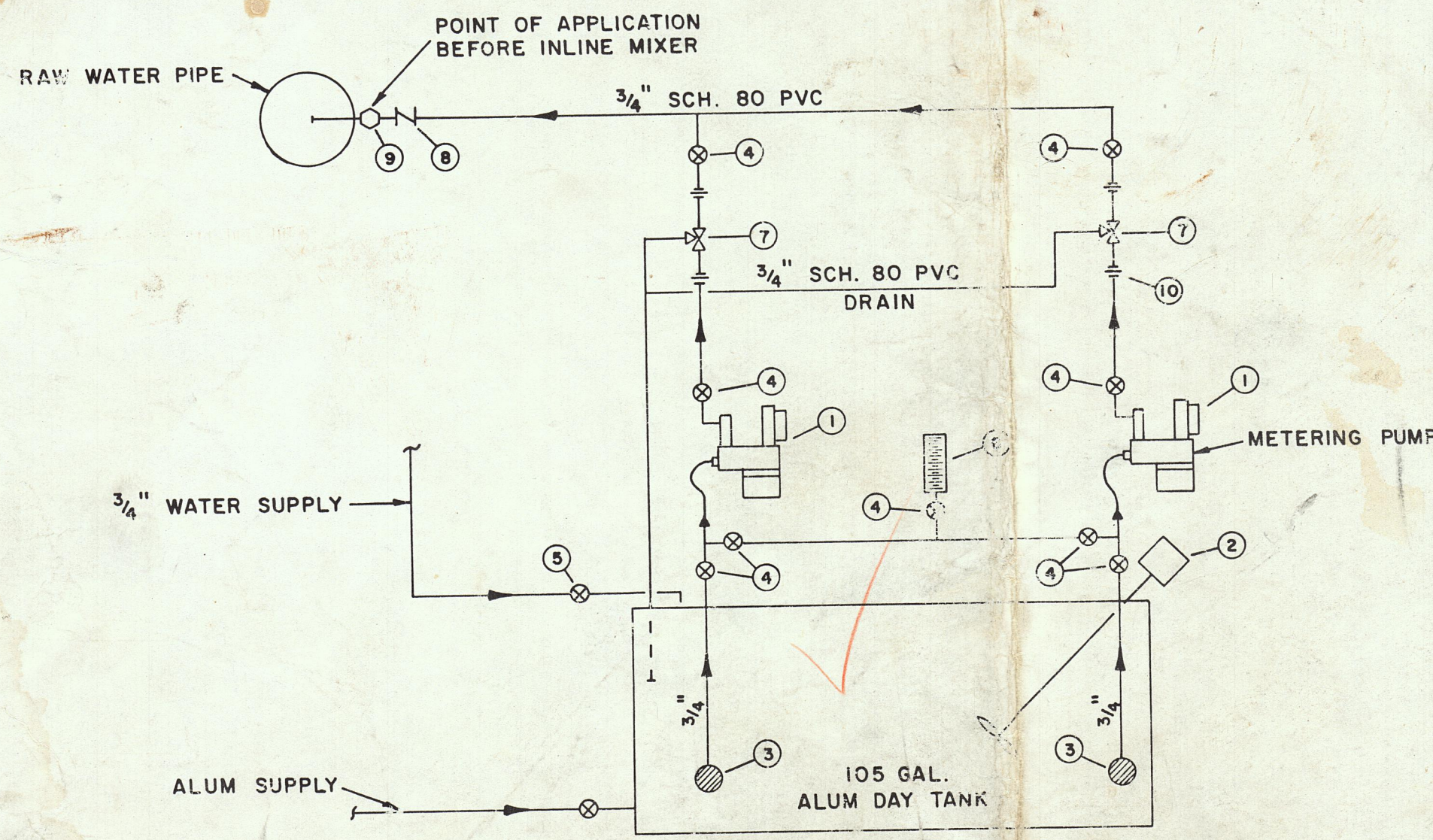


REVISIONS

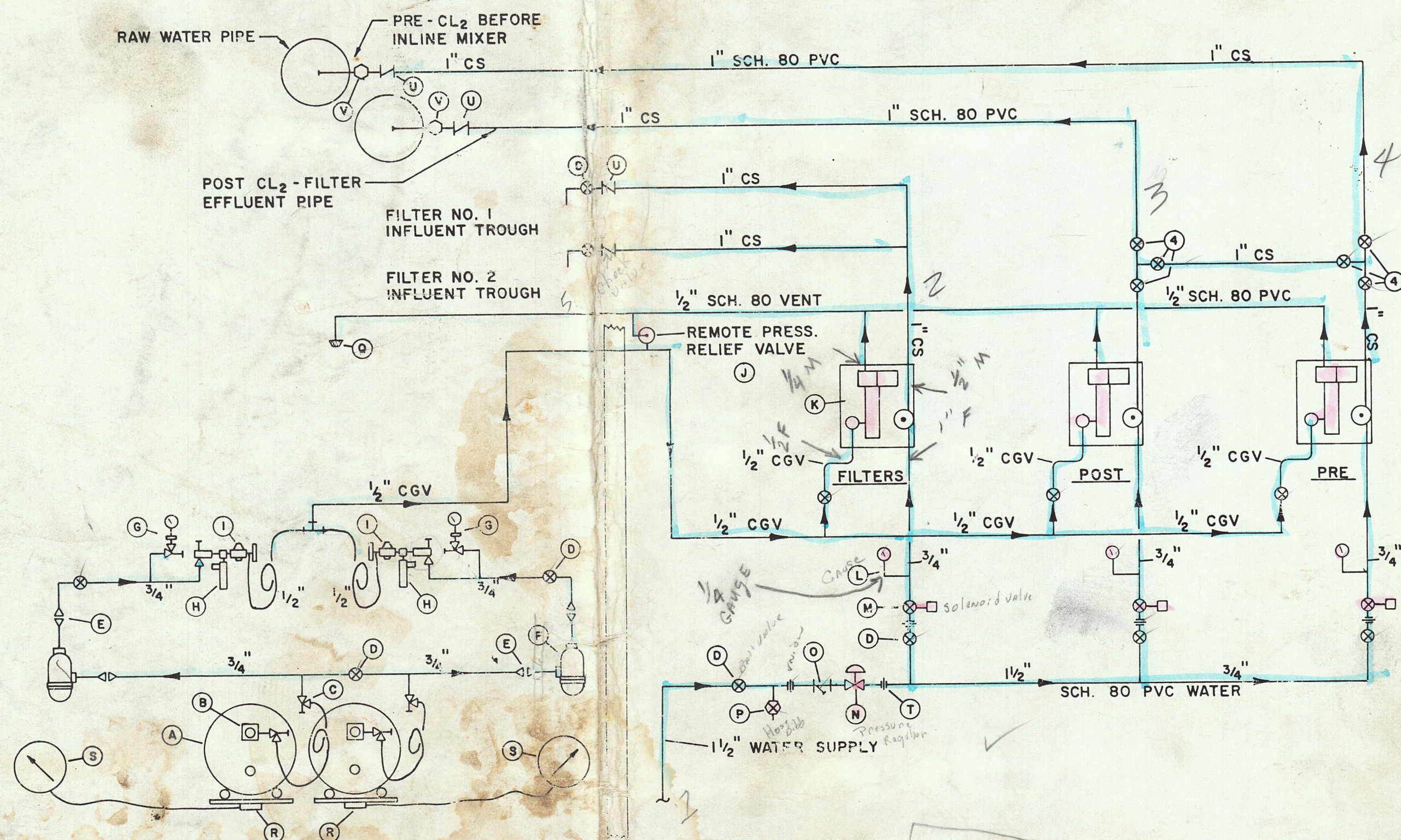
4-19-83	ADDED 36" PIPE TRENCH
---------	-----------------------

DESIGNED: L.E.R.
 DRAWN: S.C.G.
 CHECKED: L.E.R.
 DATE: MARCH, 1983
 SCALE: NOTED
 PROJ. NO. 0592



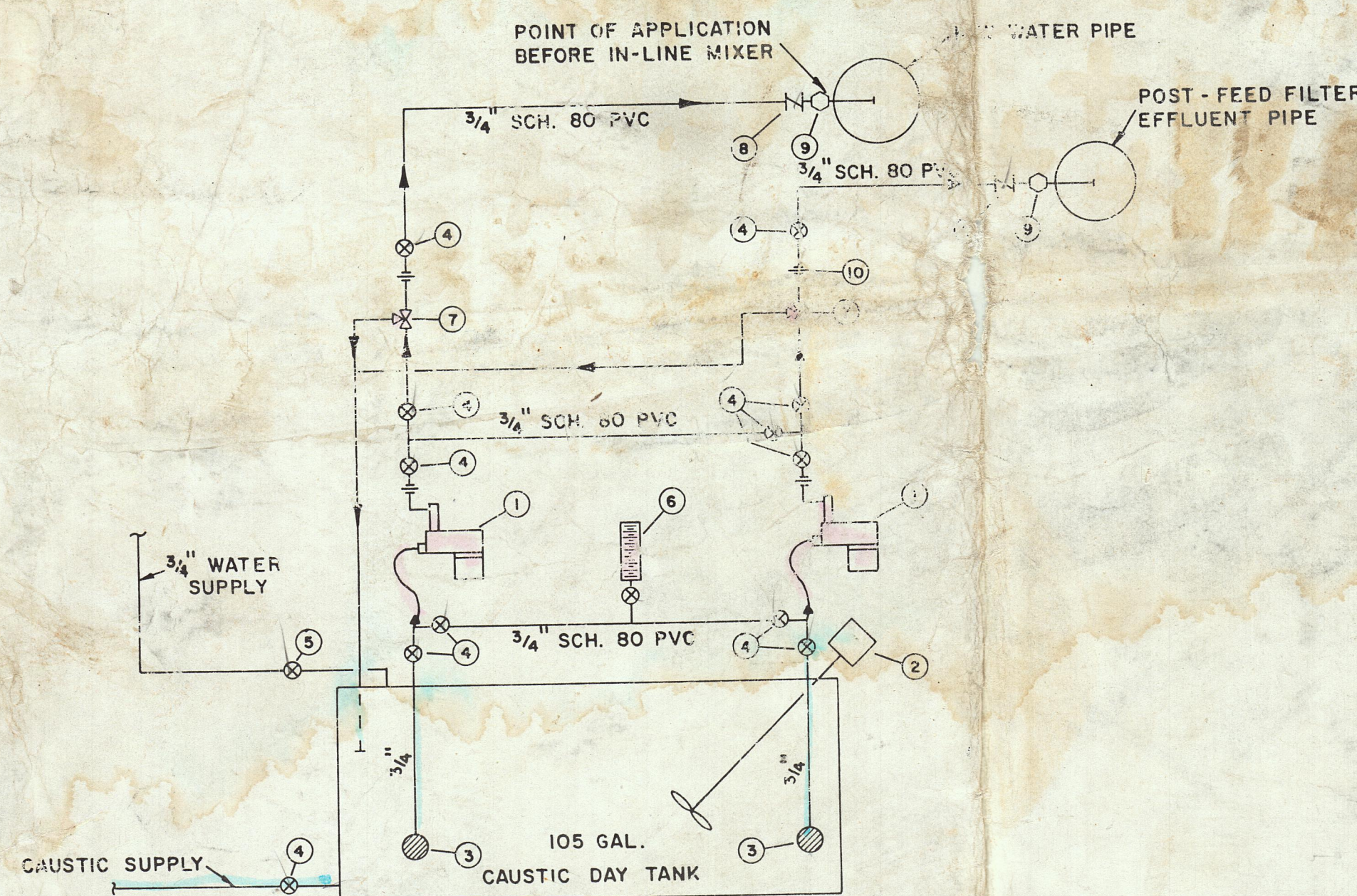


LIQUID ALUM FEED SCHEMATIC

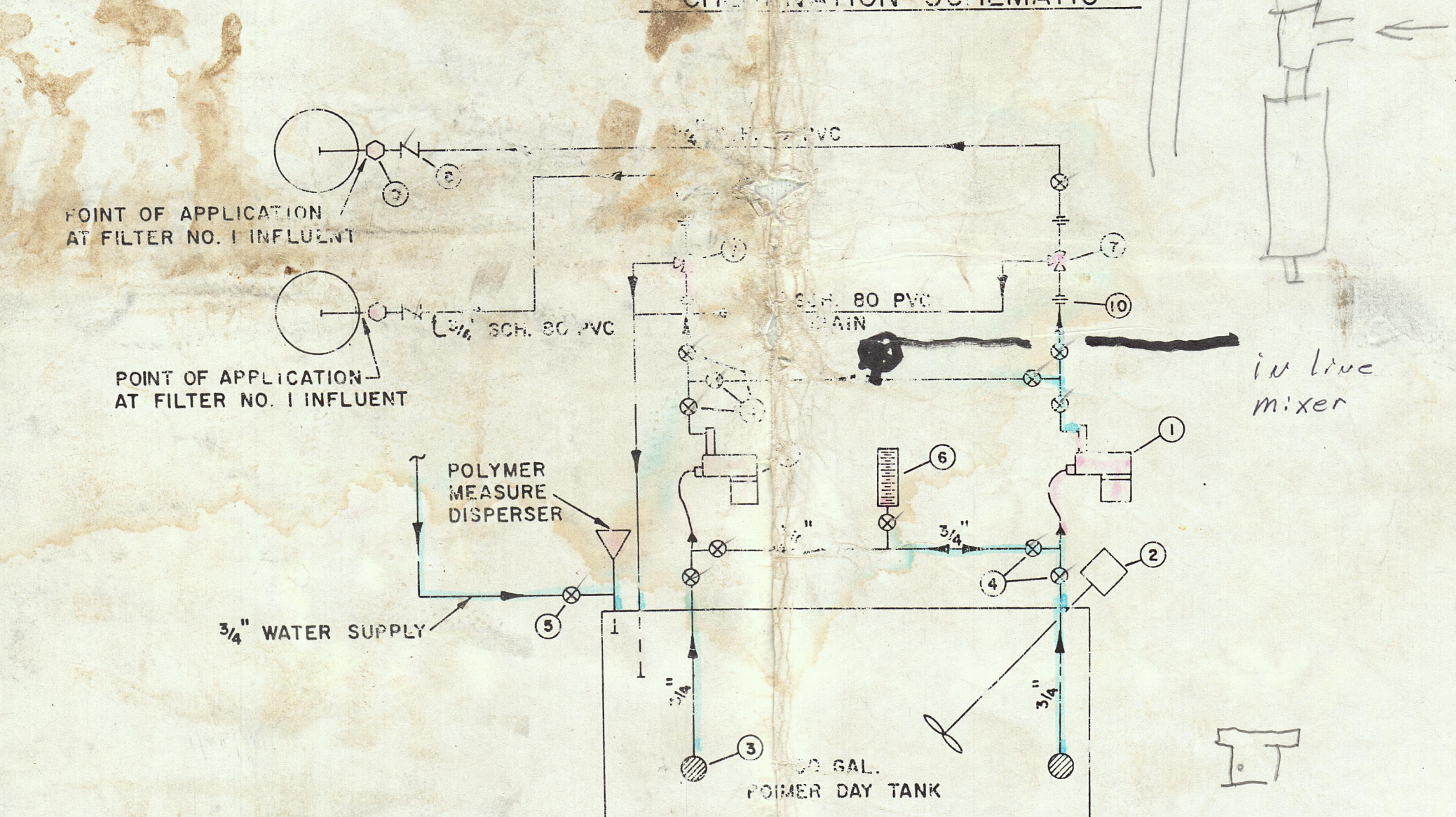


CHLORINATION SCHEMATIC

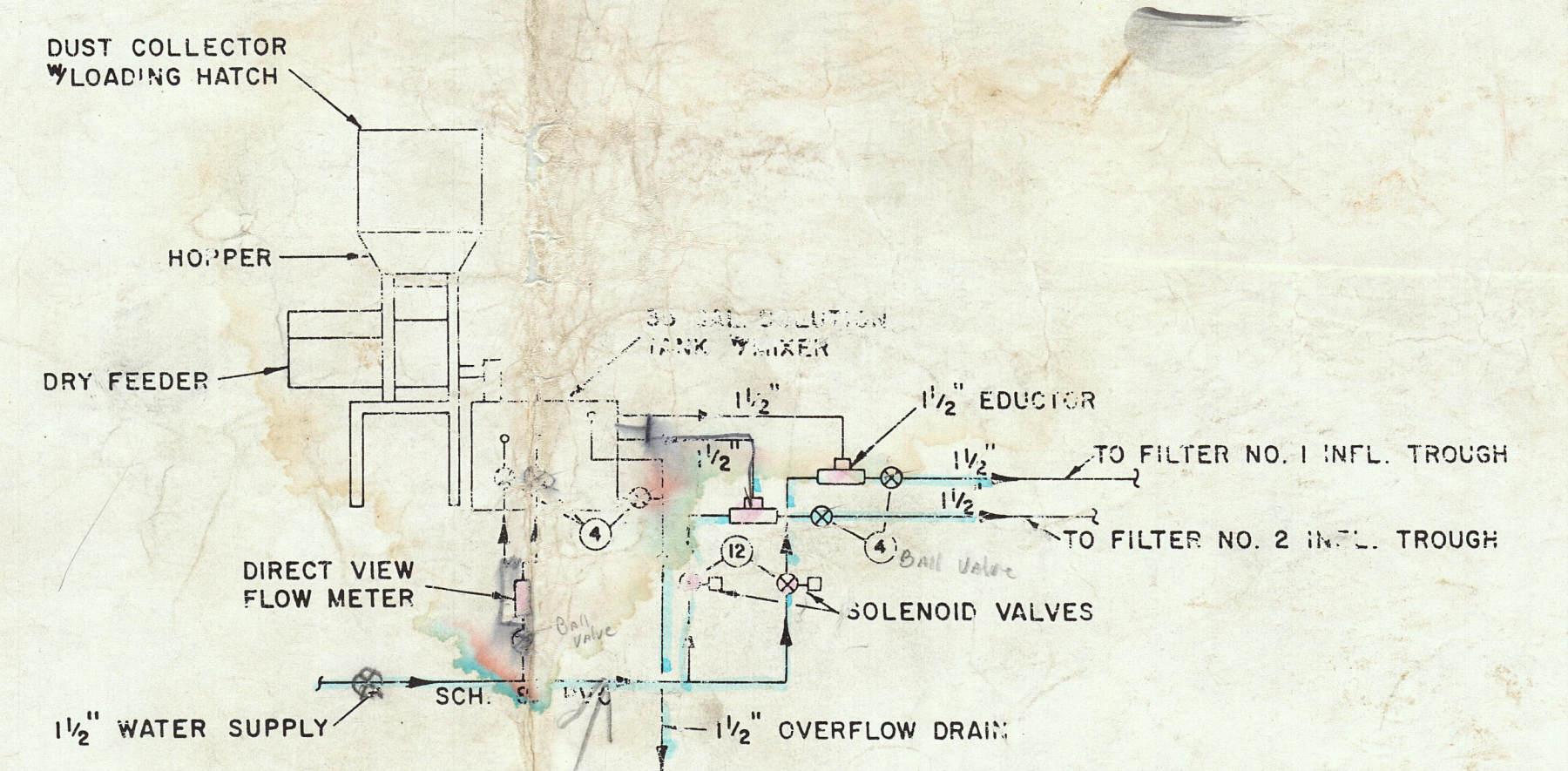
- CHLORINATION LEGEND
- A. TON CYLINDERS
 - B. CAPTIVE YOLK TYPE TON CYLINDER VALVE
 - C. HEADER VALVE
 - D. BALL VALVE
 - E. AMMONIA UNION
 - F. FILTER
 - G. CHLORINE GAS PRESSURE GAUGE W/HEADER VALVE
 - H. HEATER - DRIP LEG
 - I. VACUUM REGULATOR
 - J. REMOTE PRESSURE RELIEF VALVE
 - K. CHLORINATOR
 - L. WATER PRESSURE GAUGE
 - M. SOLENOID VALVE
 - N. PRESSURE REGULATING VALVE
 - O. Y-STRAINER
 - P. HOSE BIBB
 - Q. VENT SCREEN
 - R. TON CYLINDER SCALES
 - S. SCALES DIAL INDICATOR (REMOTE LOCATION)
 - T. UNION
 - U. CHECK VALVE
 - V. CORPORATION COCK MAIN CONNECTION



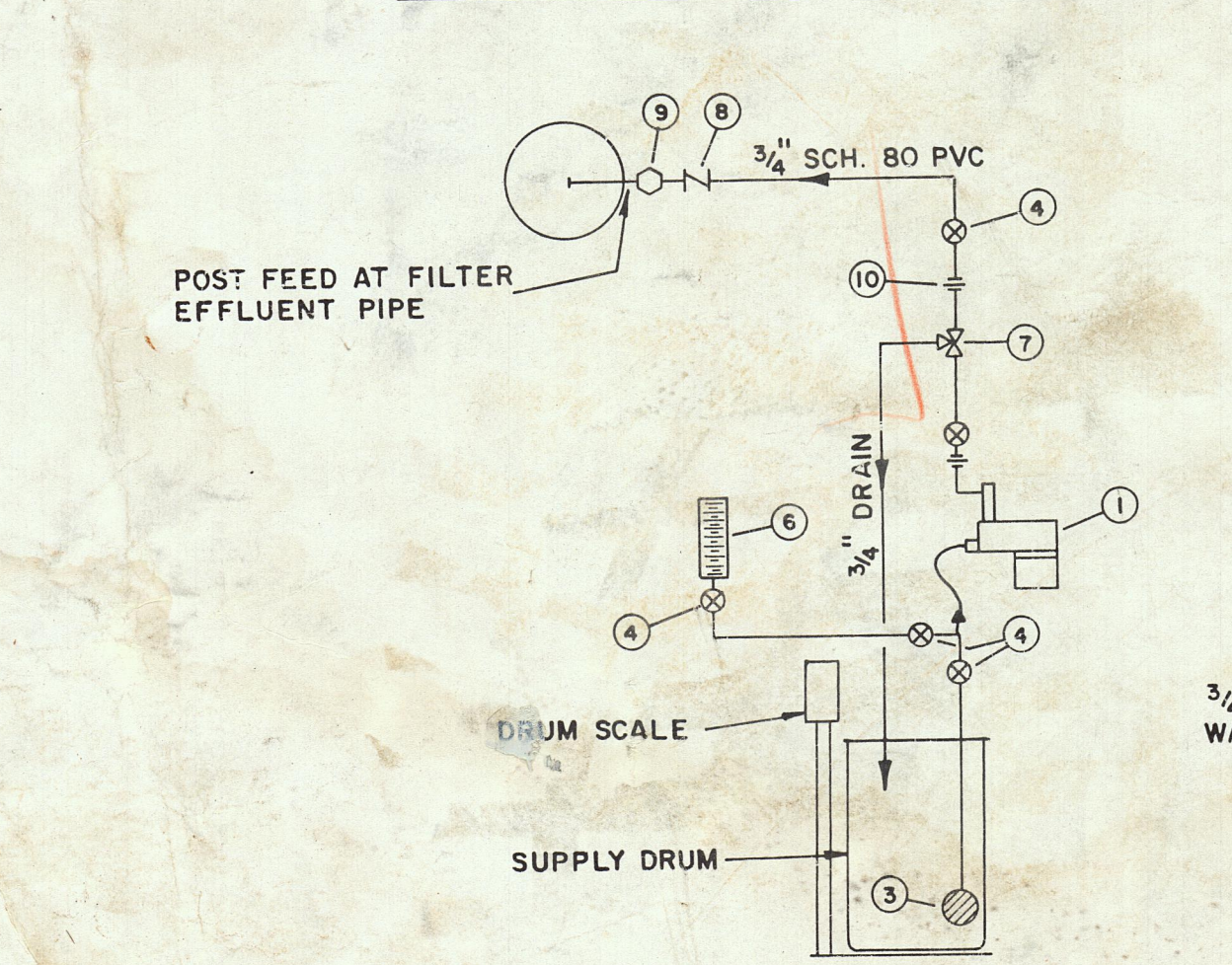
LIQUID CAUSTIC FEED SCHEMATIC



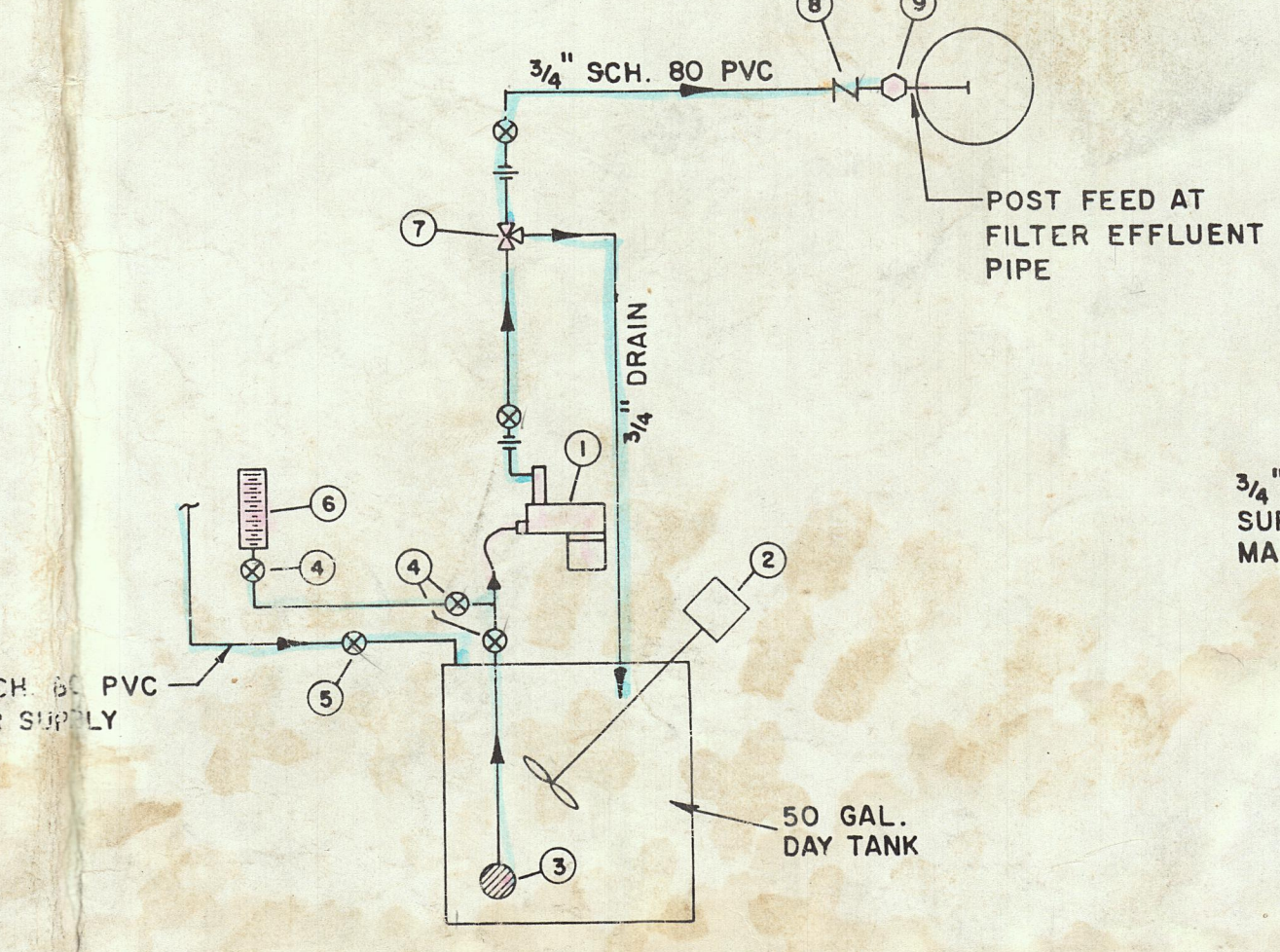
LIQUID POLYMER FEED SCHEMATIC



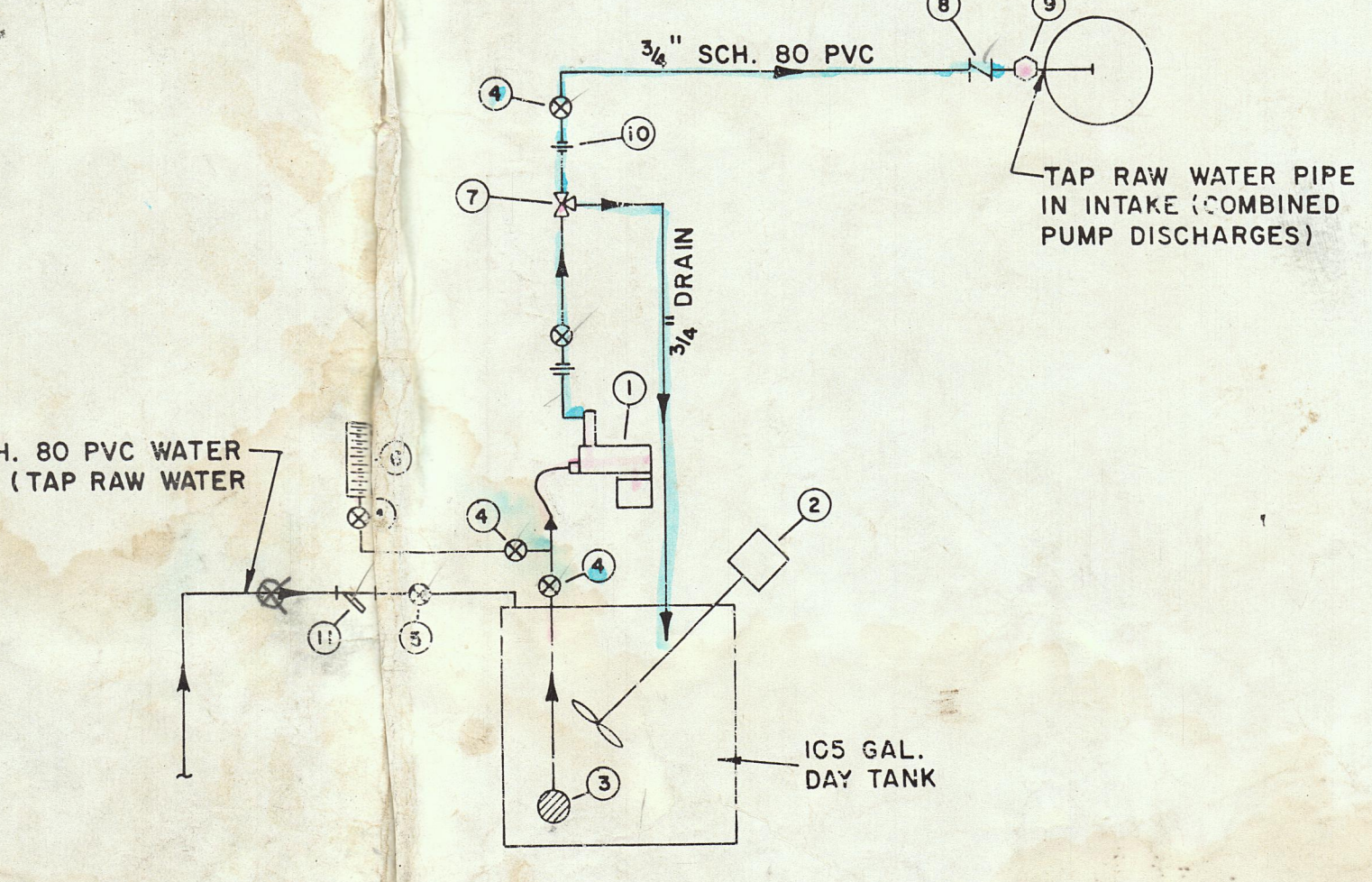
CARBON (DRY FEED) SCHEMATIC



LIQUID FLUORIDE FEED SCHEMATIC

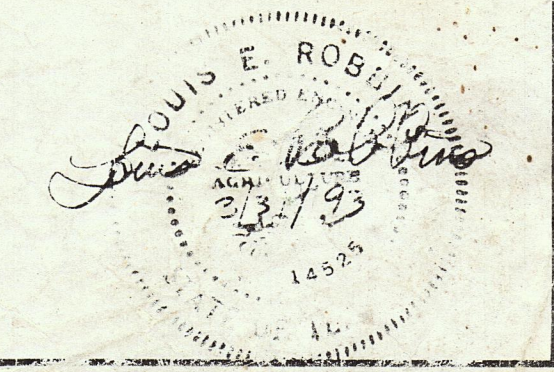


LIQUID PHOSPHATE FEED SCHEMATIC



POTASSIUM PERMANGANATE FEED SCHEMATIC
(LOCATED IN INTAKE PUMP BUILDING)

- CHEMICAL FEED LEGEND
- 1. CHEMICAL METERING PUMP
 - 2. CHEMICAL MIXER
 - 3. FOOT VALVE/STRAINER
 - 4. BALL VALVES
 - 5. HOSE BIBB
 - 6. CALIBRATION CHAMBER
 - 7. PRESSURE RELIEF VALVE
 - 8. CHECK VALVE
 - 9. CORPORATION COCK MAIN CONNECTION
 - 10. UNION
 - 11. STRAINER
 - 12. SOLENOID VALVES



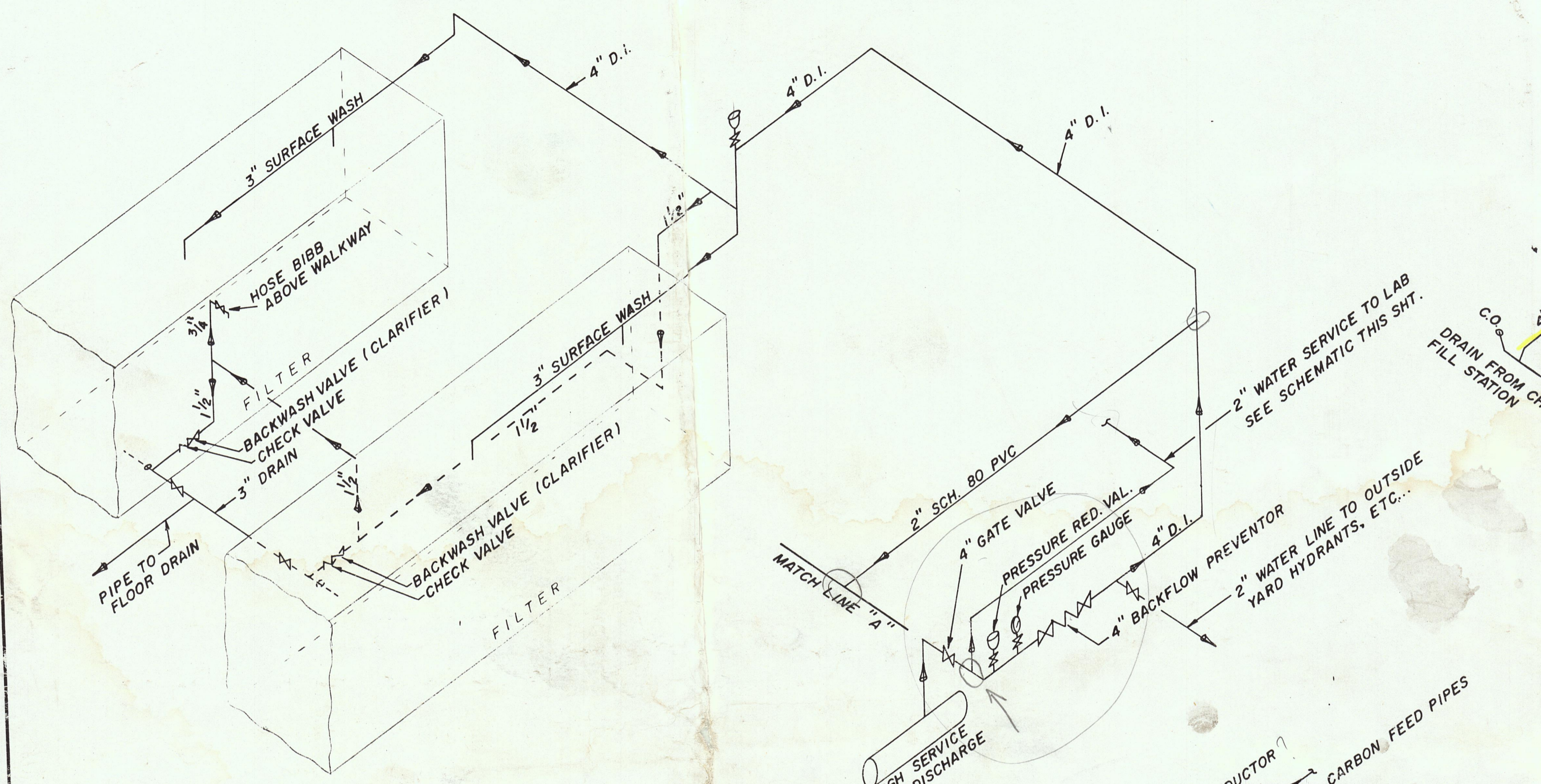
ELROD • DUNSON, INC.
CONSULTING ENGINEERS
NASHVILLE • KNOXVILLE
LEXINGTON, KY.

HARRIMAN, TENNESSEE
CHLORINATION AND CHEMICAL FEED SCHEMATICS

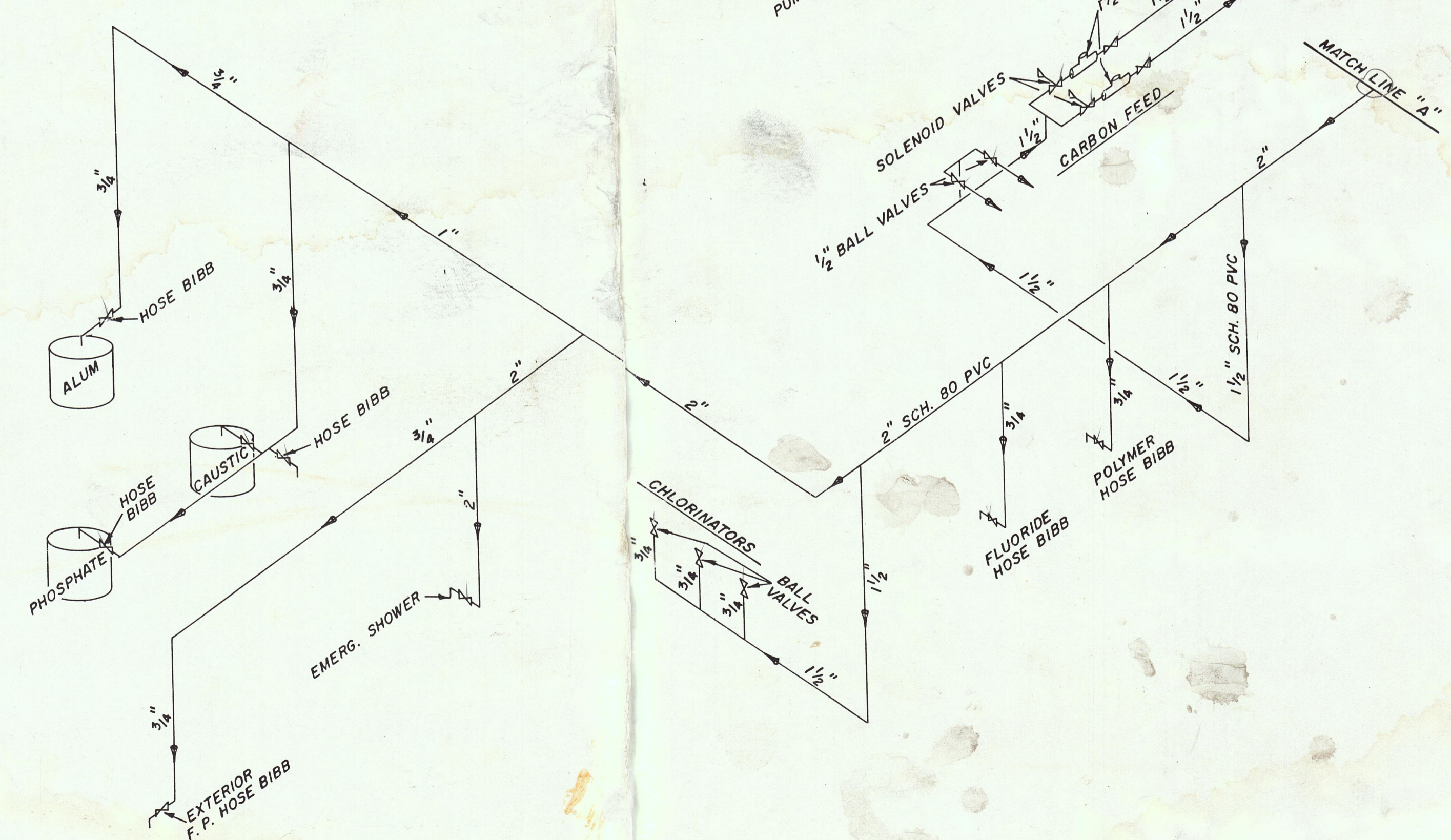
REVISIONS

DESIGNED: L. E. R.
DRAWN: D. G. R., D. M.
CHECKED: L. E. R.
DATE: MARCH, 1993
SCALE: NONE
PROJ. NO. 0592

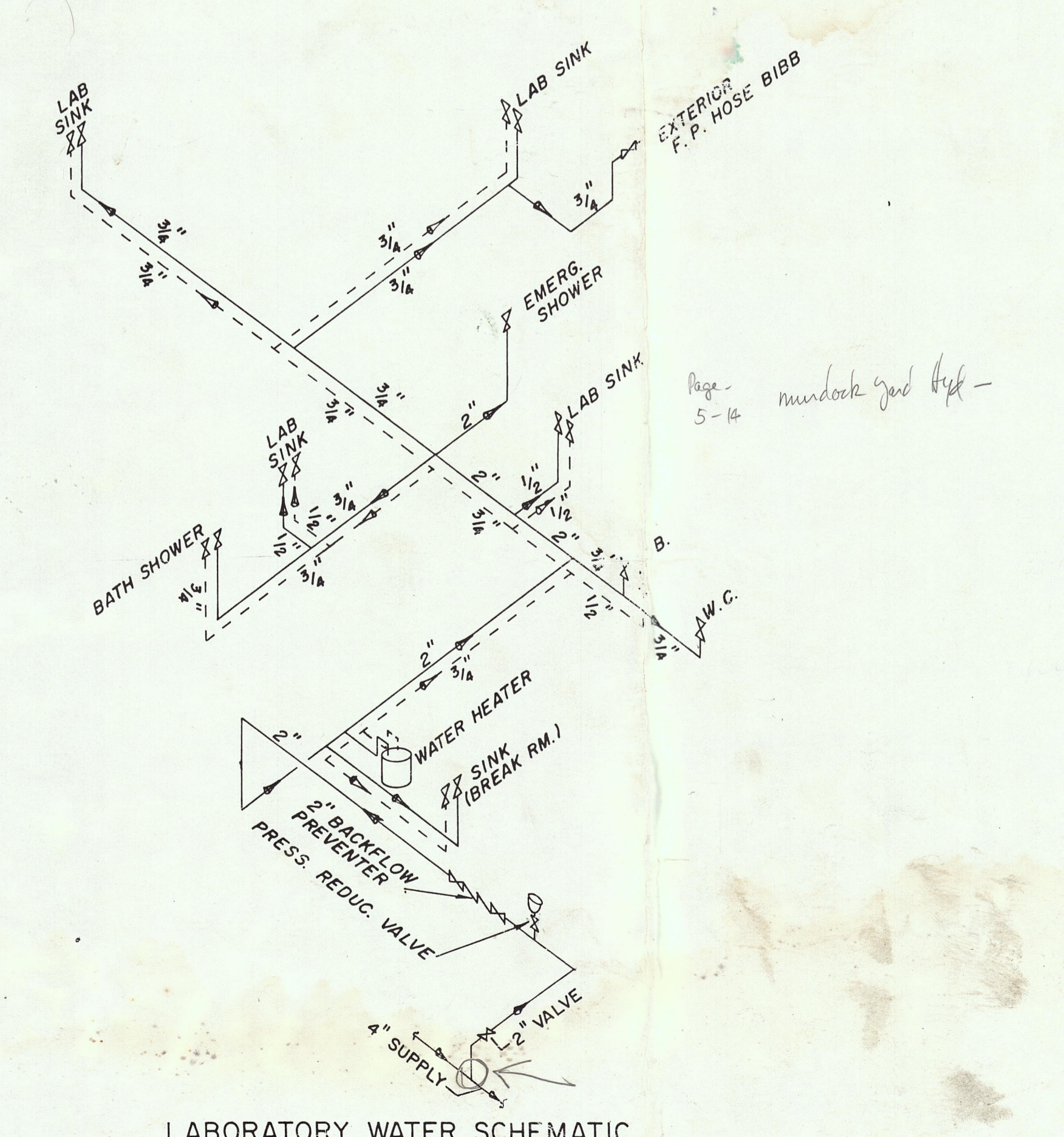
SHEET 15
OF 36



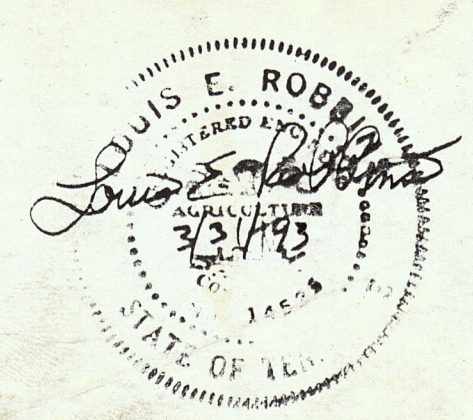
SURFACE WASH/CHEMICAL FEED WATER SCHEMATIC



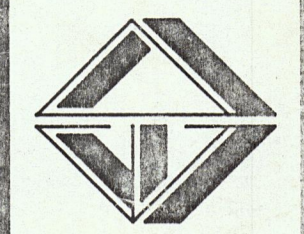
PLUMBING SCHEMATIC



LABORATORY WATER SCHEMATIC



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LEXINGTON, KY



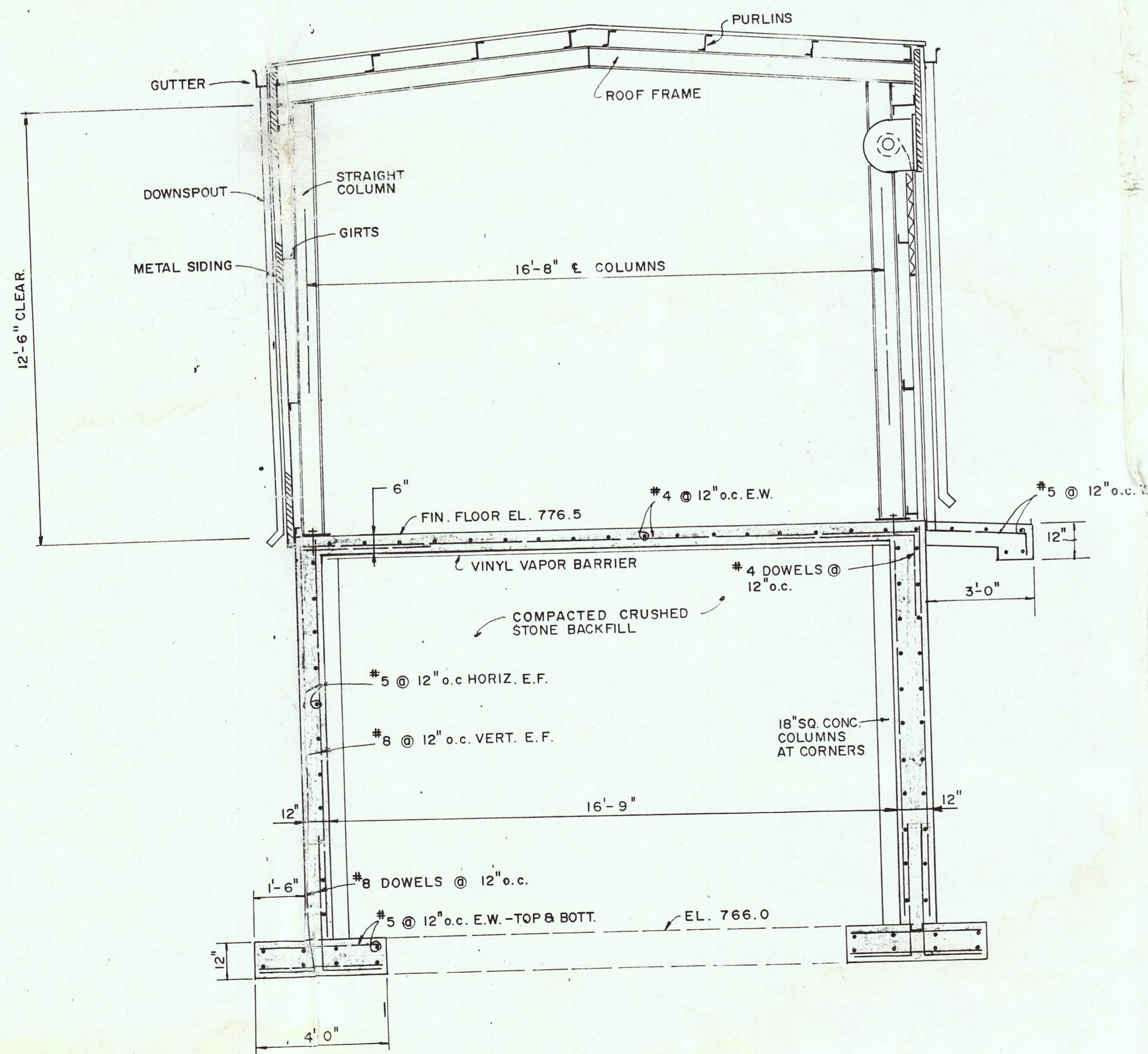
HARRIMAN, TENNESSEE
CONTRACT MSS-04
LABORATORY WATER
AND PLUMBING SCHEMATICS

REVISIONS
4/19/93
ADD DRAIN FOR
FILTER WASTE
CHANNEL.

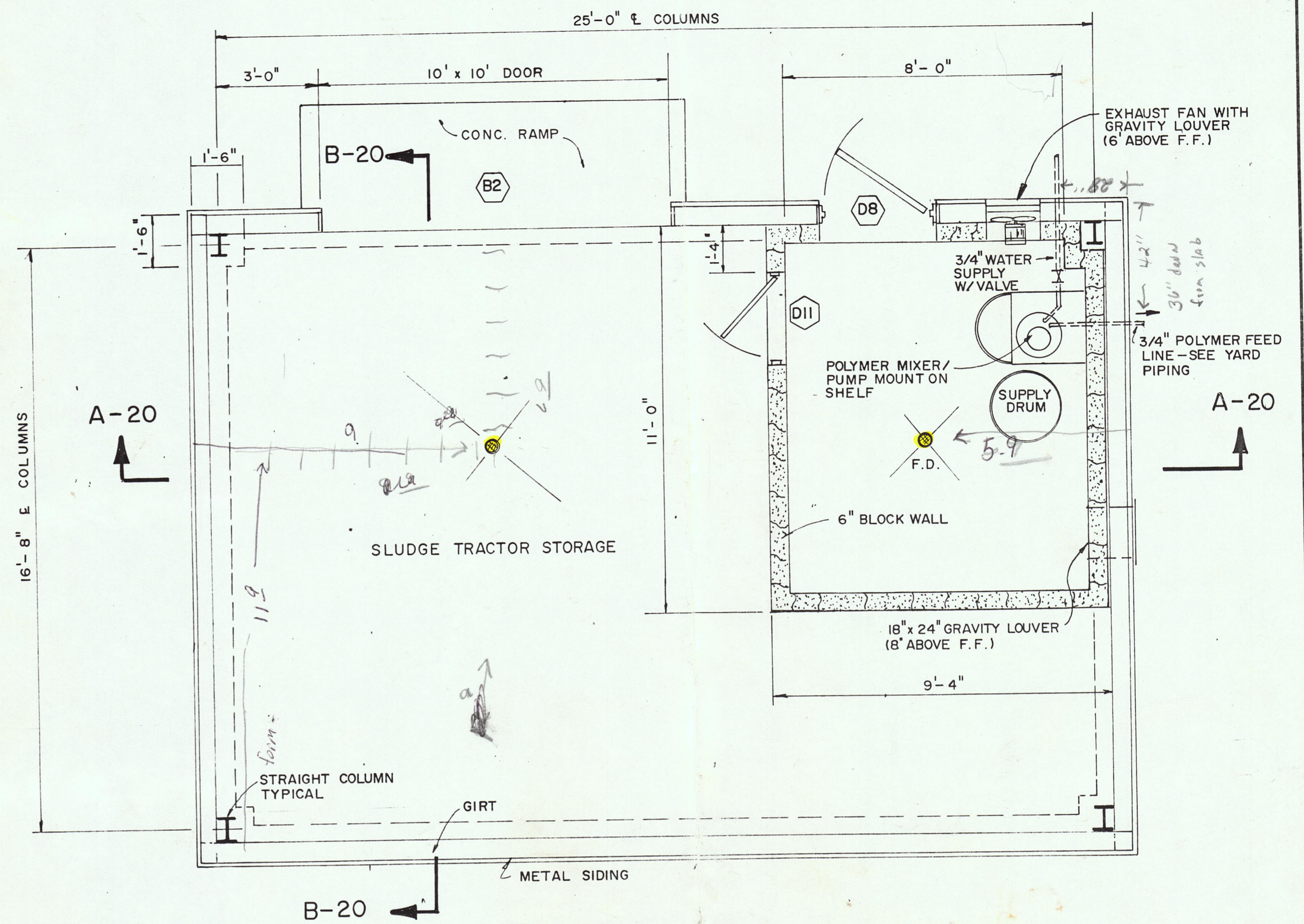
DESIGNED: L.E.R.
DRAWN: D.G.R., D.M.
CHECKED: L.E.R.
DATE: MARCH, 1993
SCALE: NONE
PROJ. NO. 0592

SHEET 16
OF 36

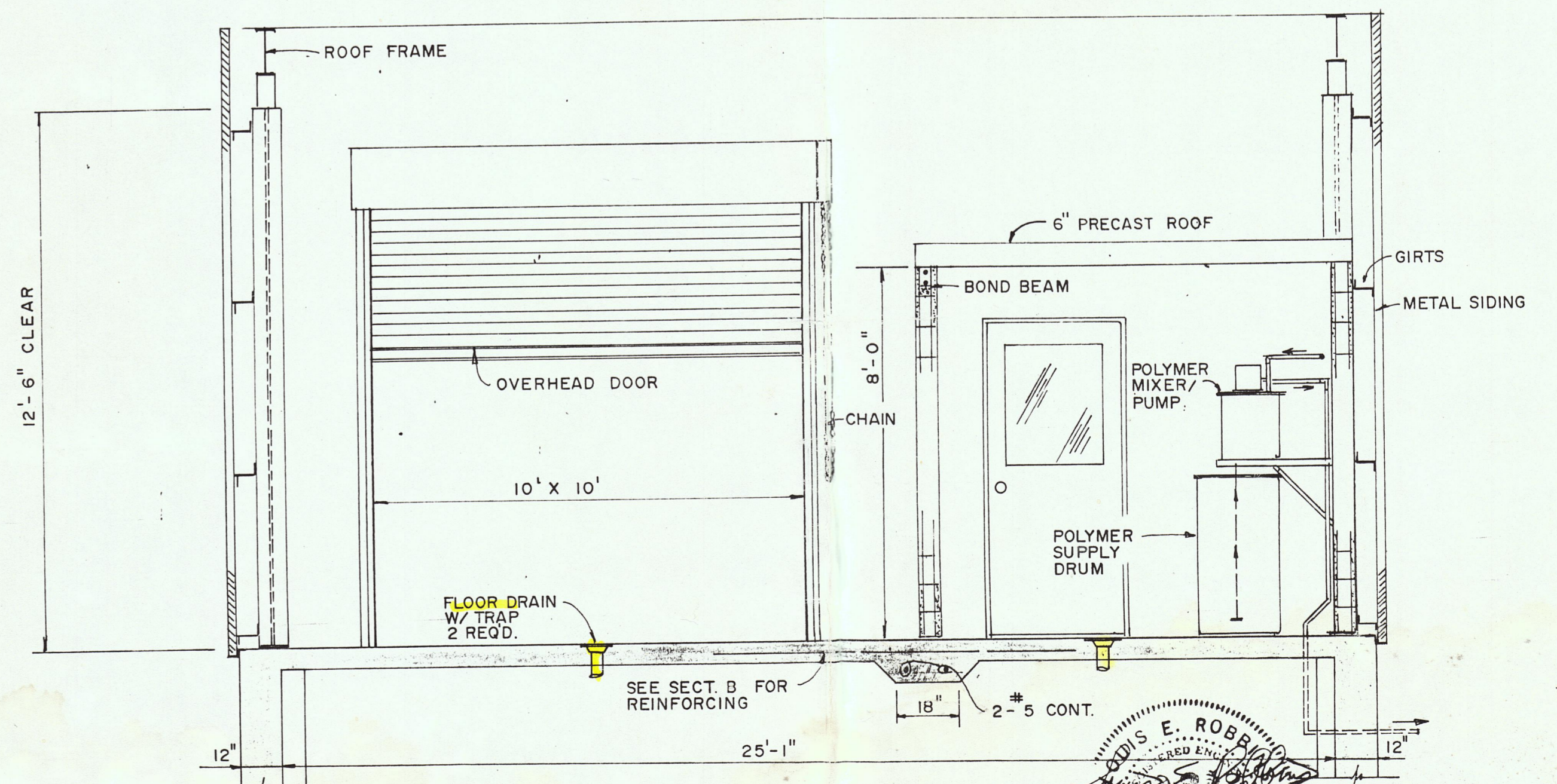
Page 5-14 maddock good b/c



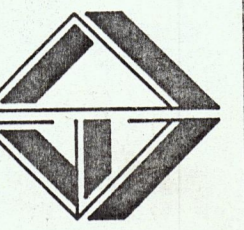
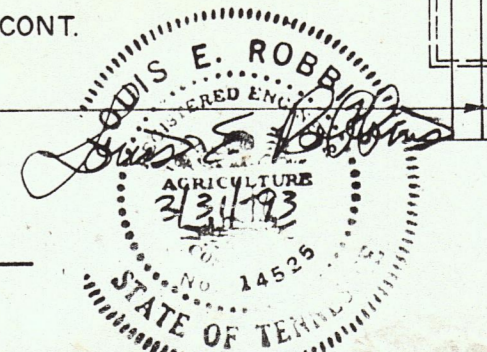
SECTION B-20
SCALE: 3/8" = 1'-0"



PLAN - STORAGE BUILDING/POLYMER FEED ROOM
SCALE: 3/8" = 1'-0"



SECTION A-20
SCALE: 3/8" = 1'-0"



REVISIONS

DESIGNED: L. E. R.
DRAWN: D. G. R.
CHECKED: L. E. R.
DATE: MARCH, 1993
SCALE: AS NOTED
PROJ. NO. 0592