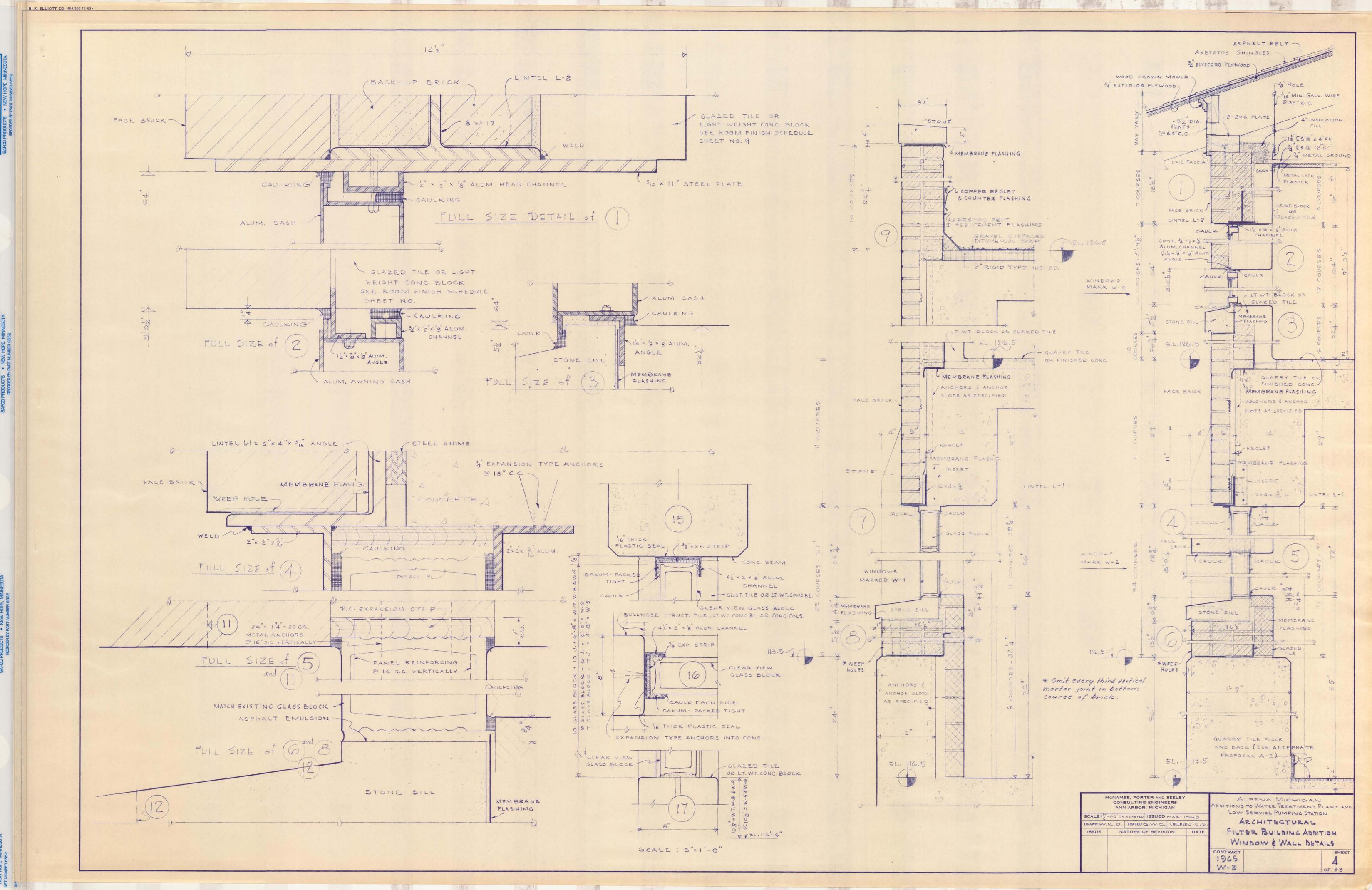
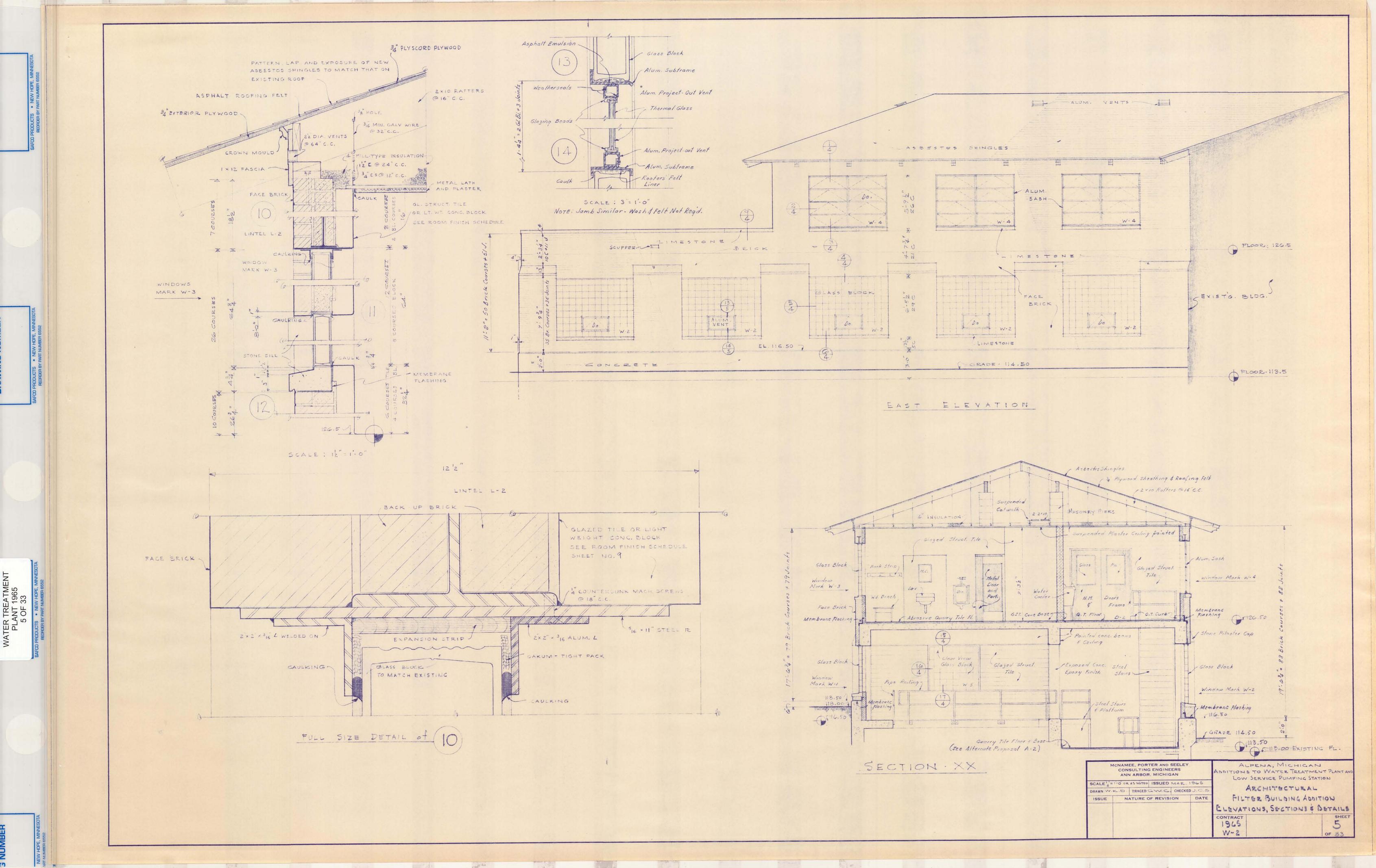


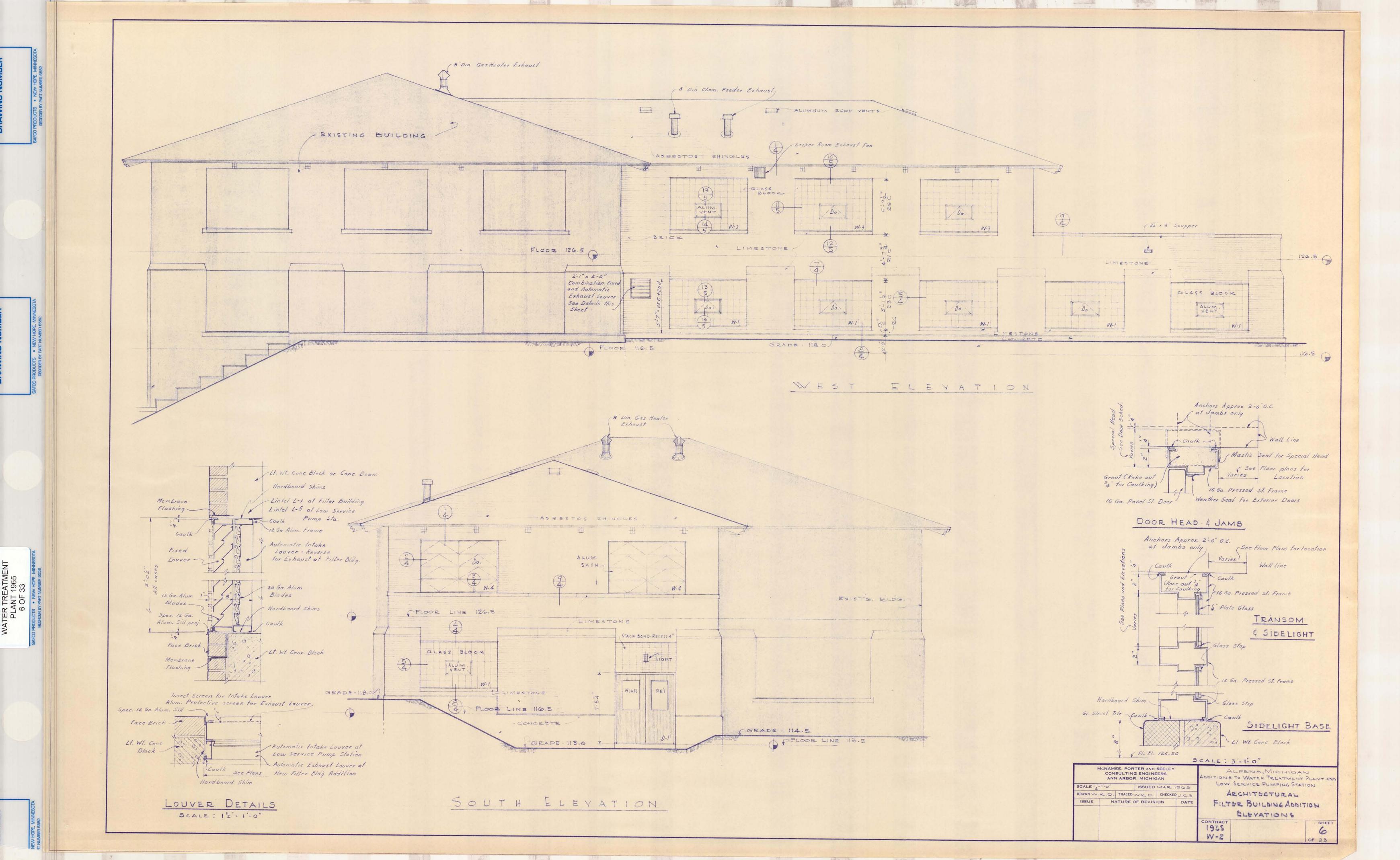
VATER TREATMENT PLANT 1965

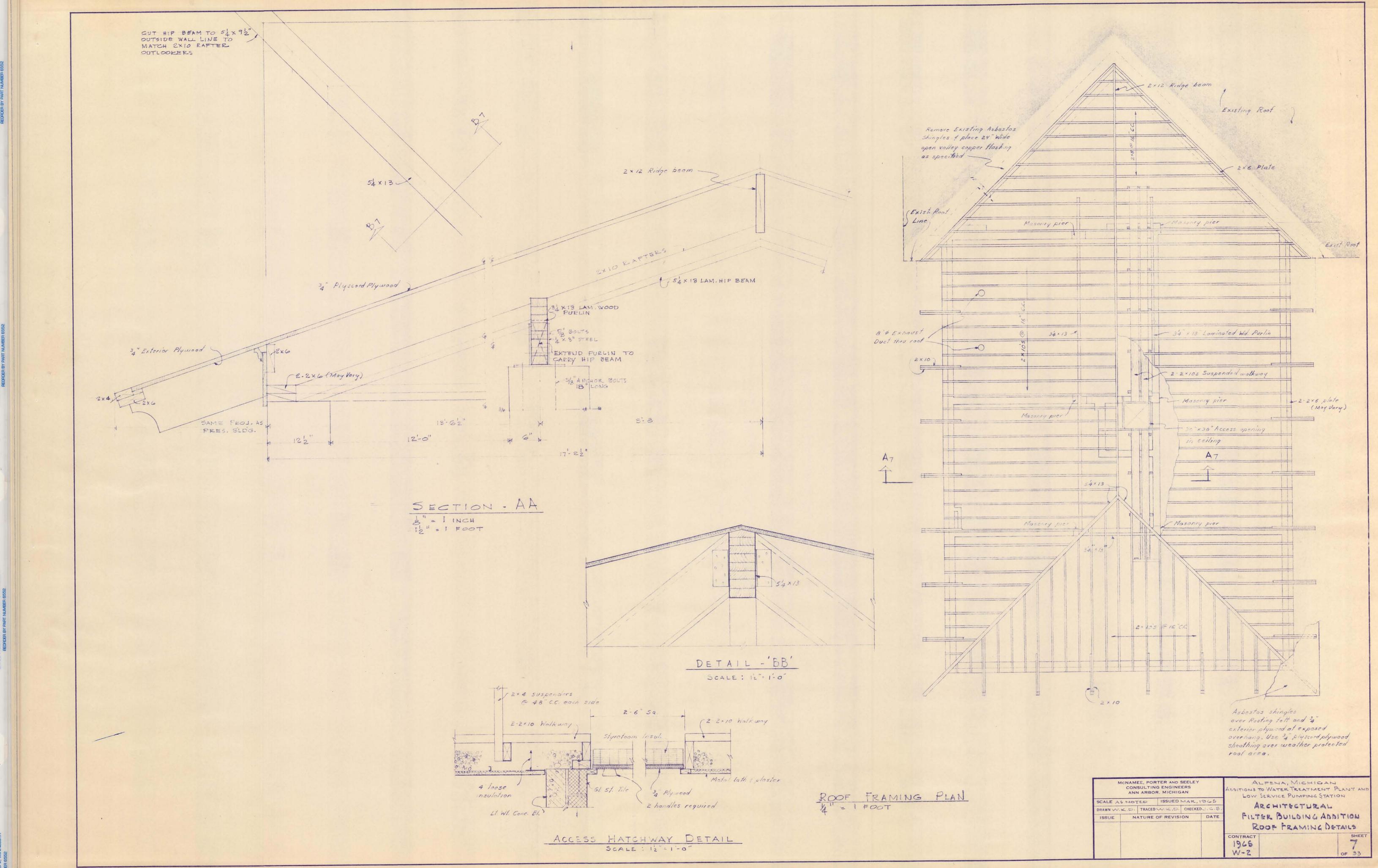
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MBER







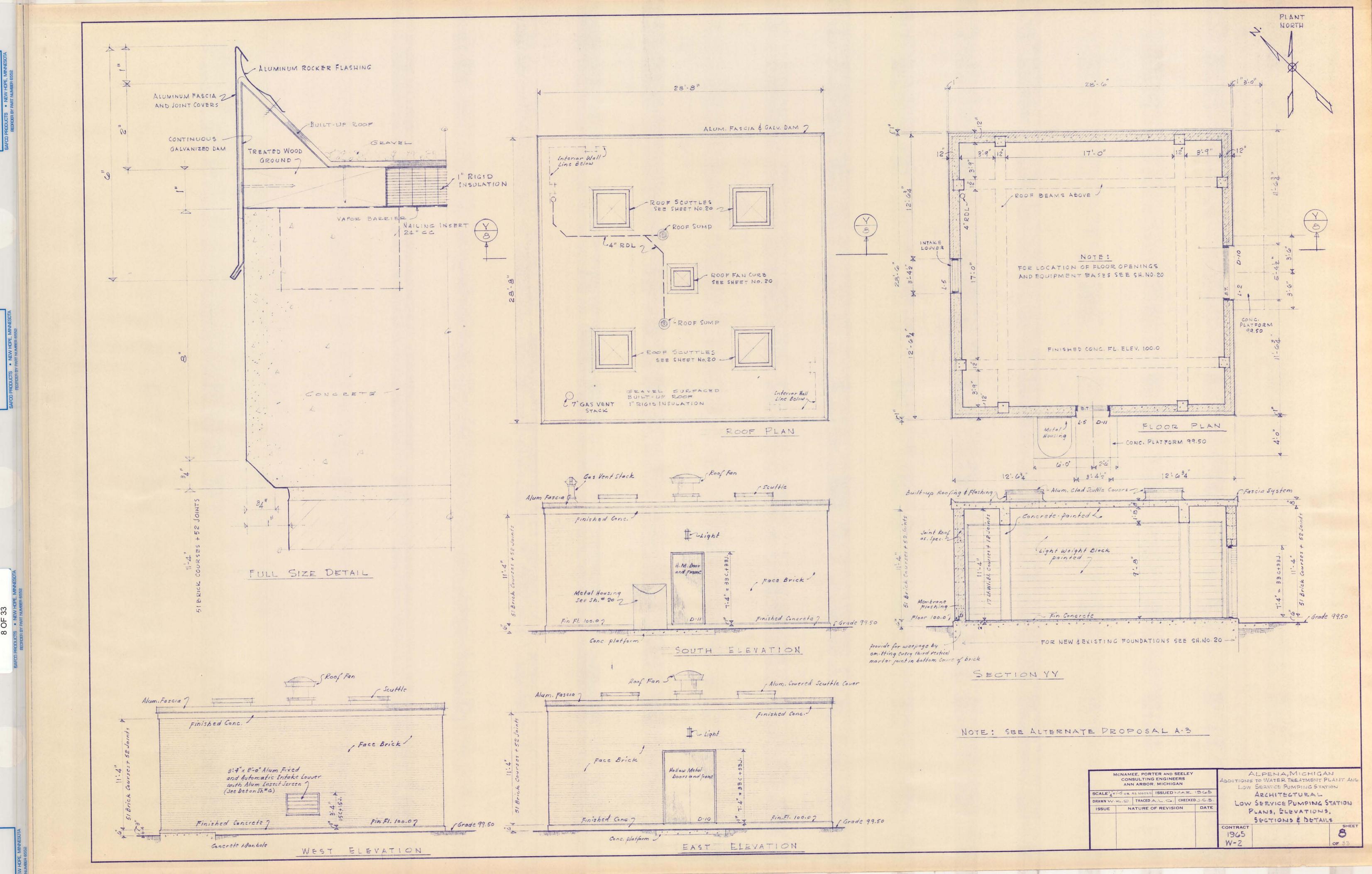


EW HOPE, MINNESOTA

B. K. ELLIOTT CO. 404 JUL 12-65\*

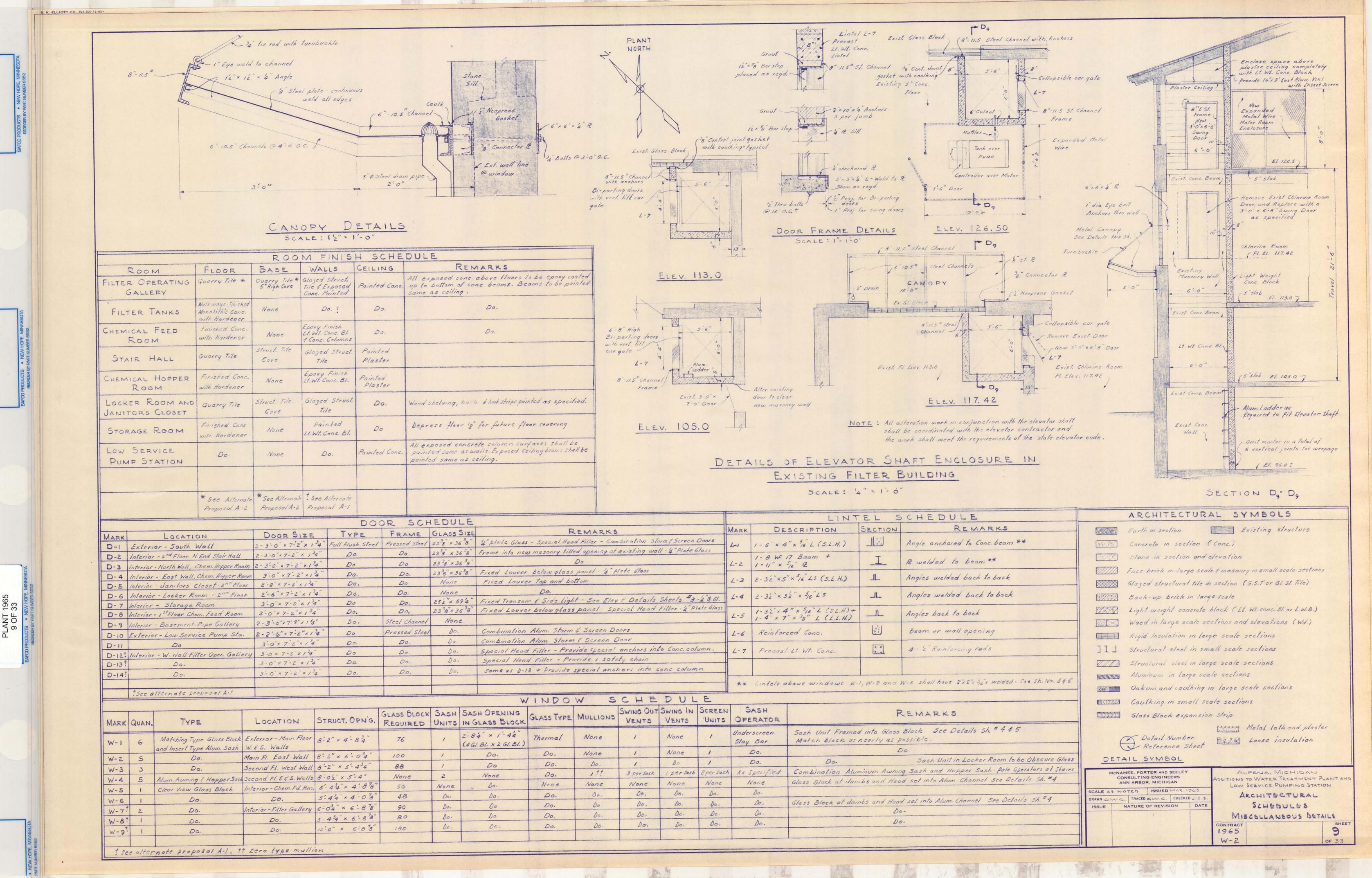
PLANT 1965 7 OF 33

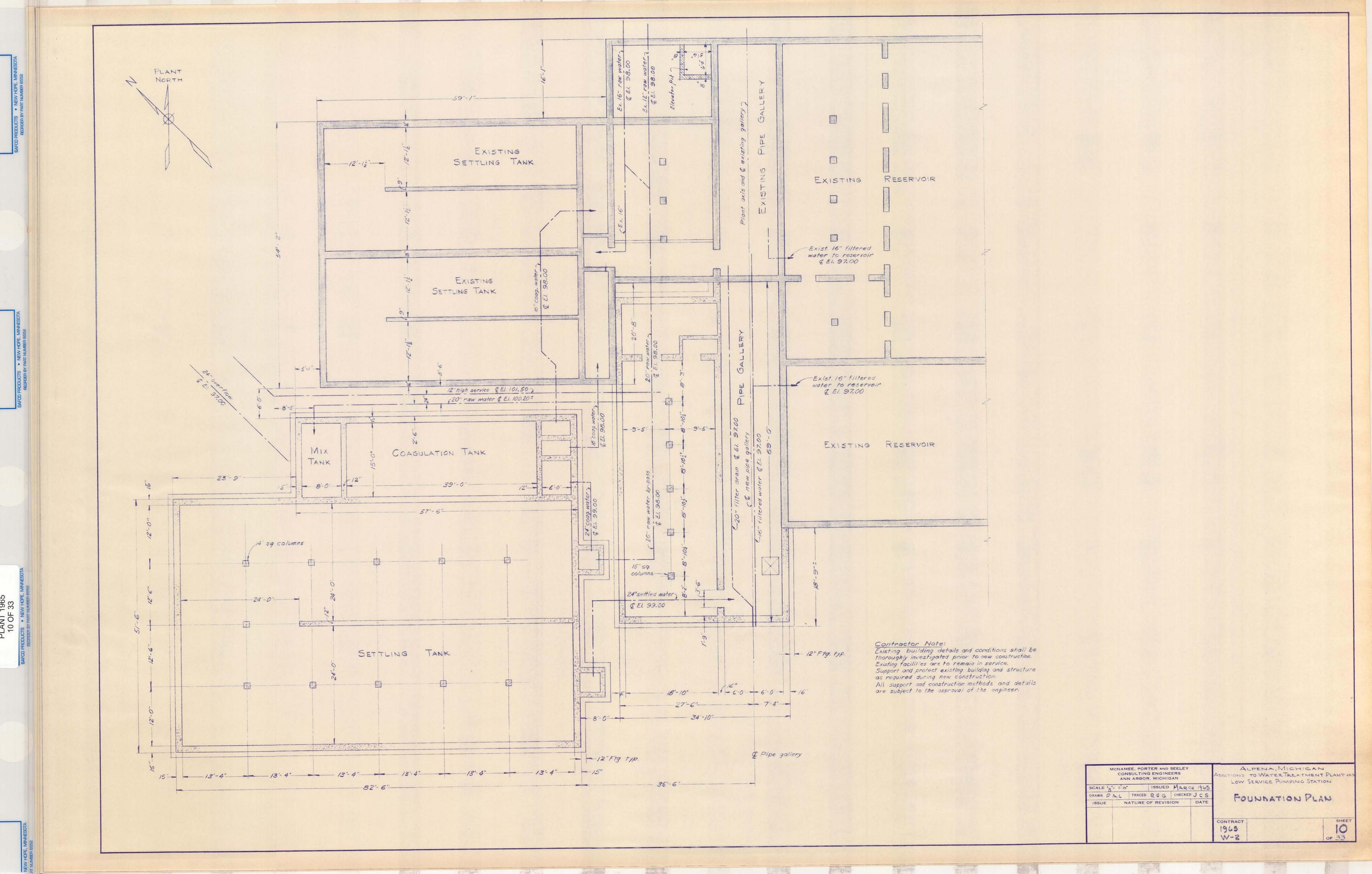
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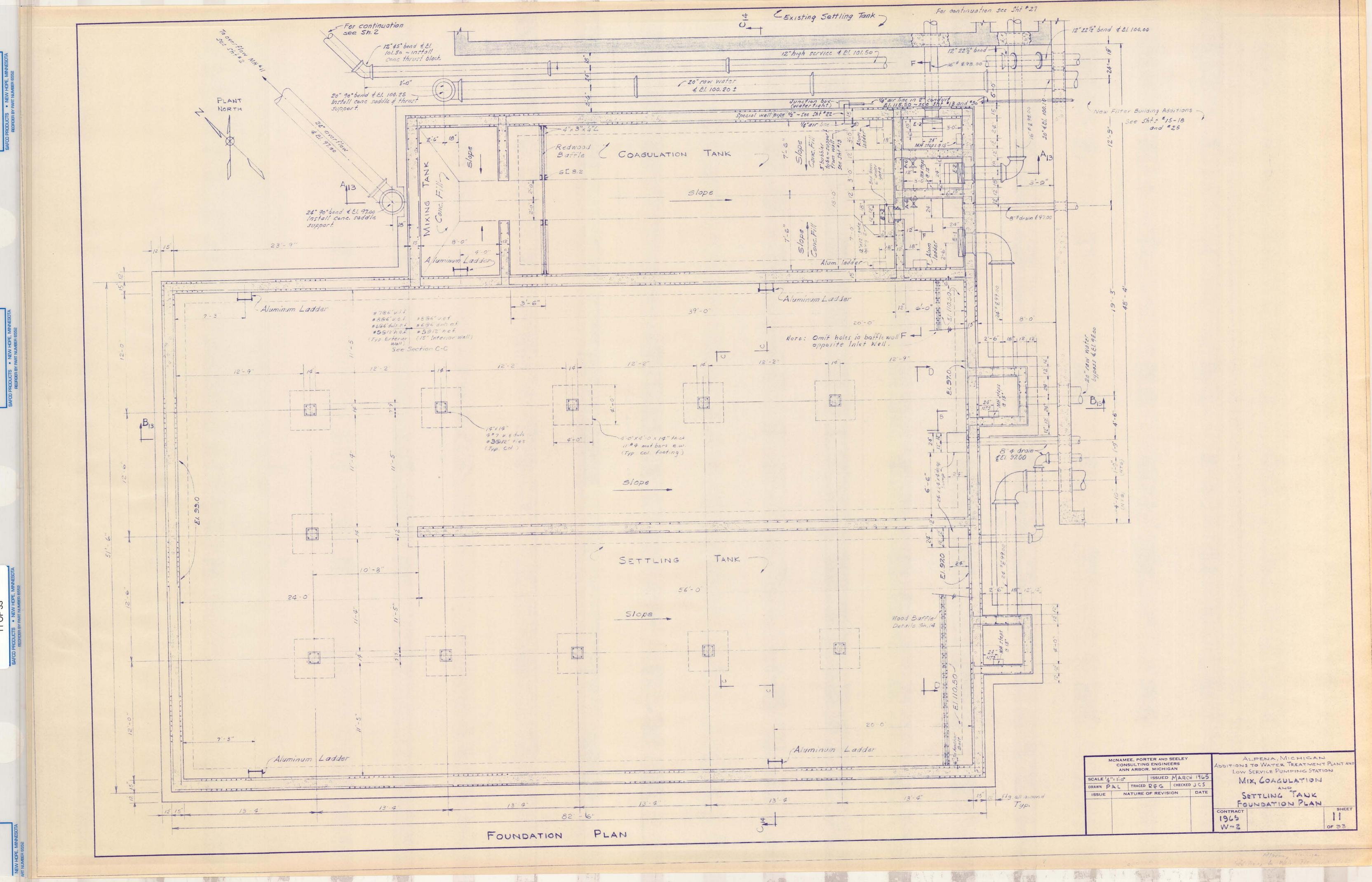
ADDITIC WATER TRE

IUMBER





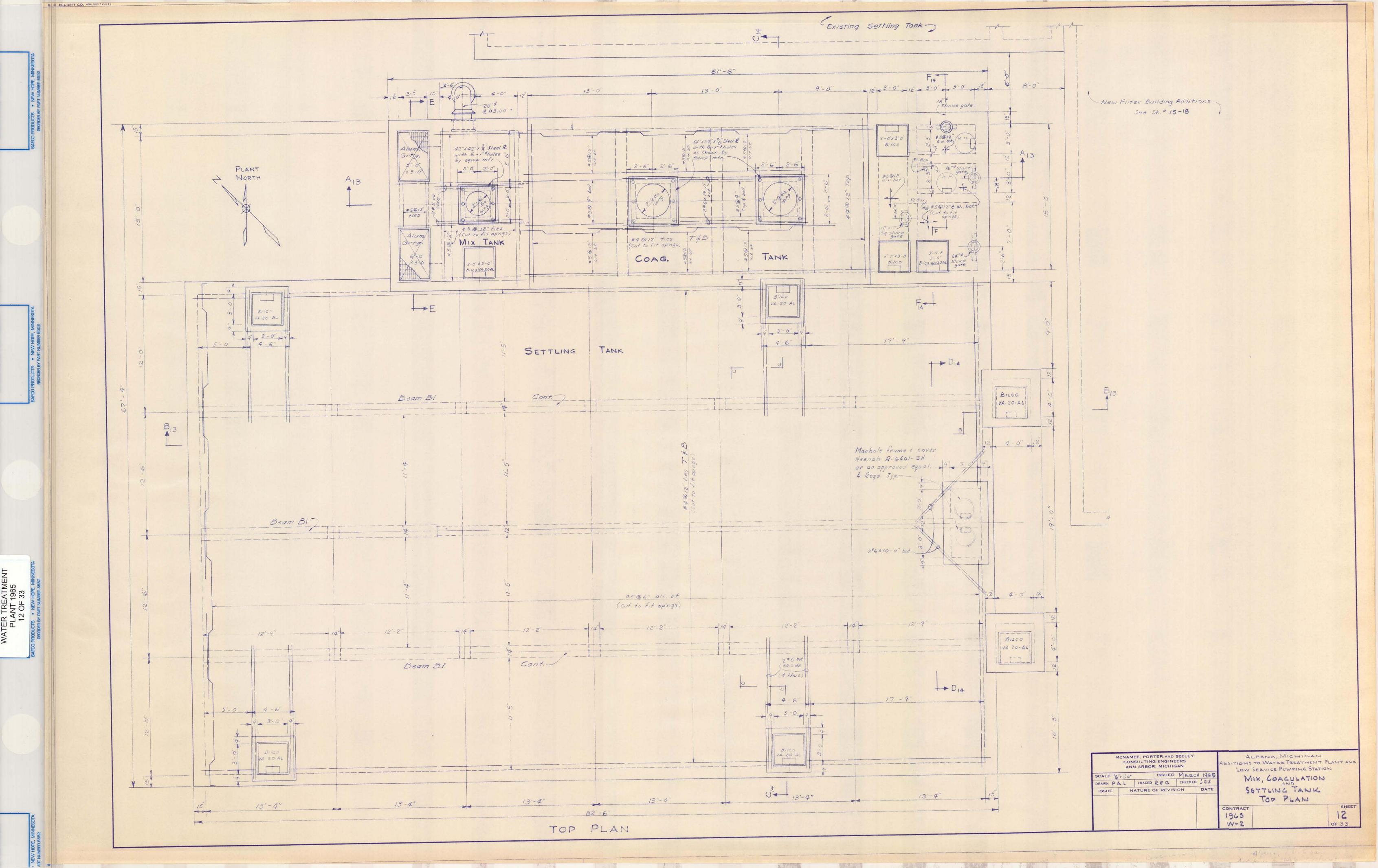
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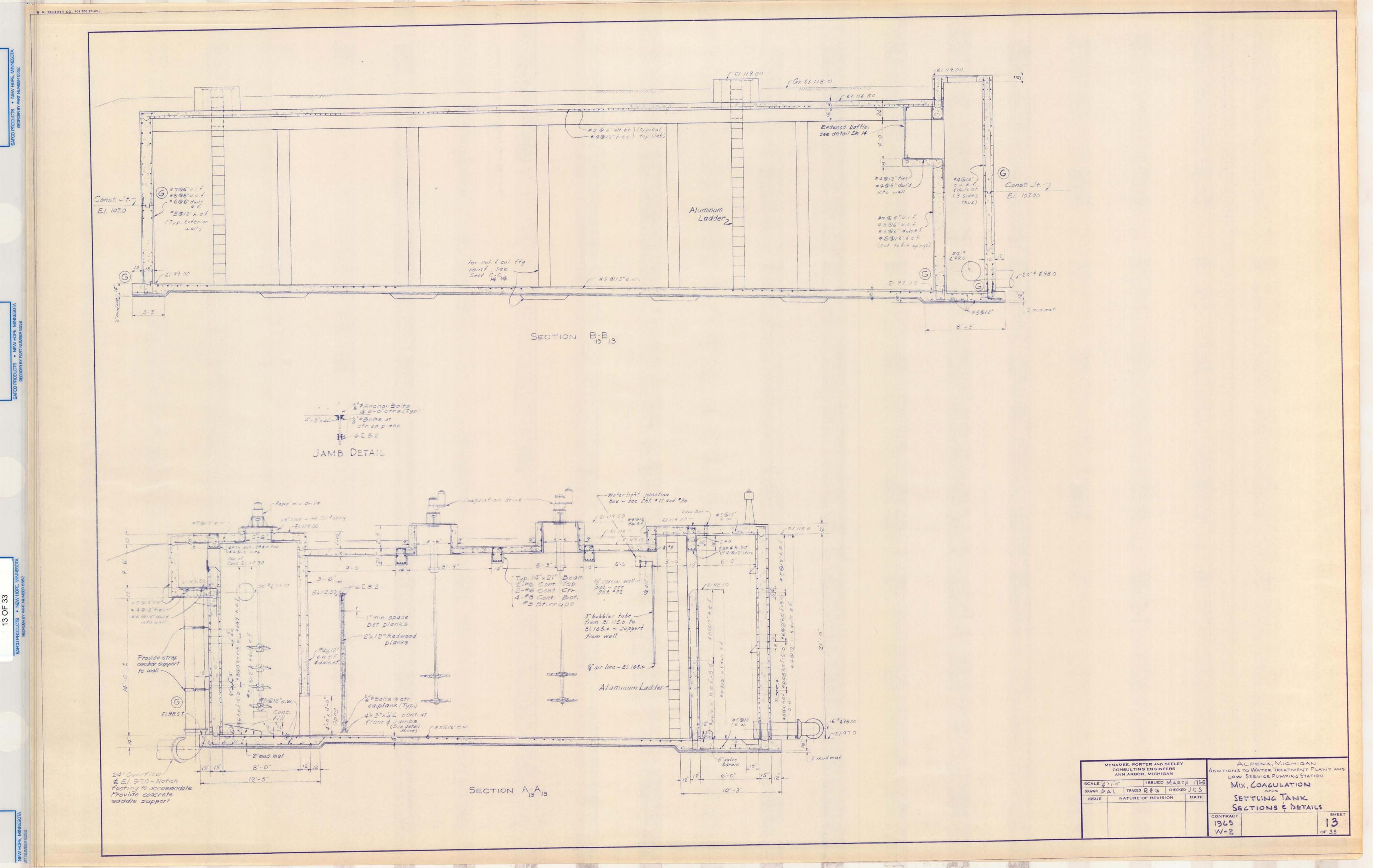


WATER TREATMEN PLANT 1965

WATER PLA

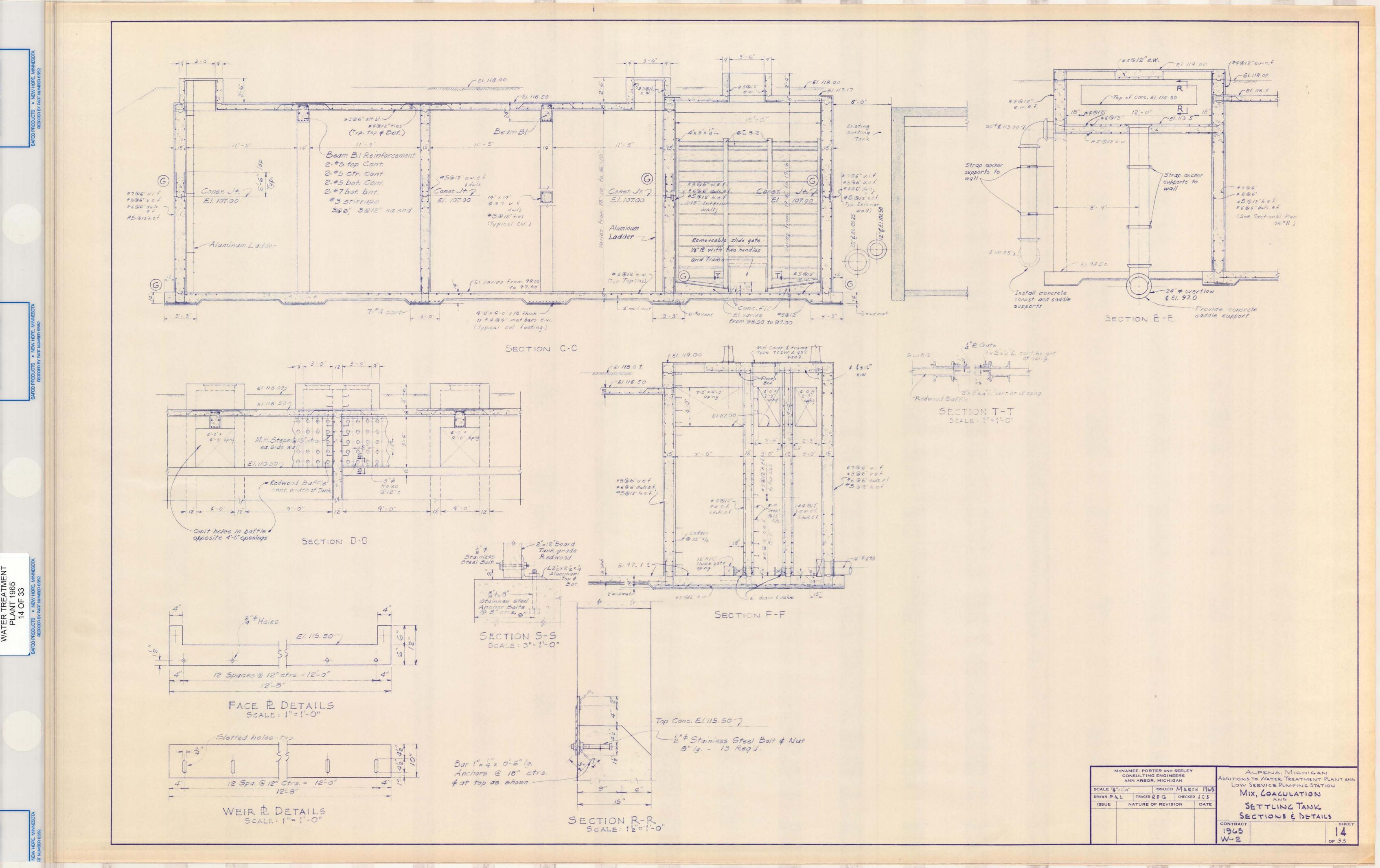
JMBER



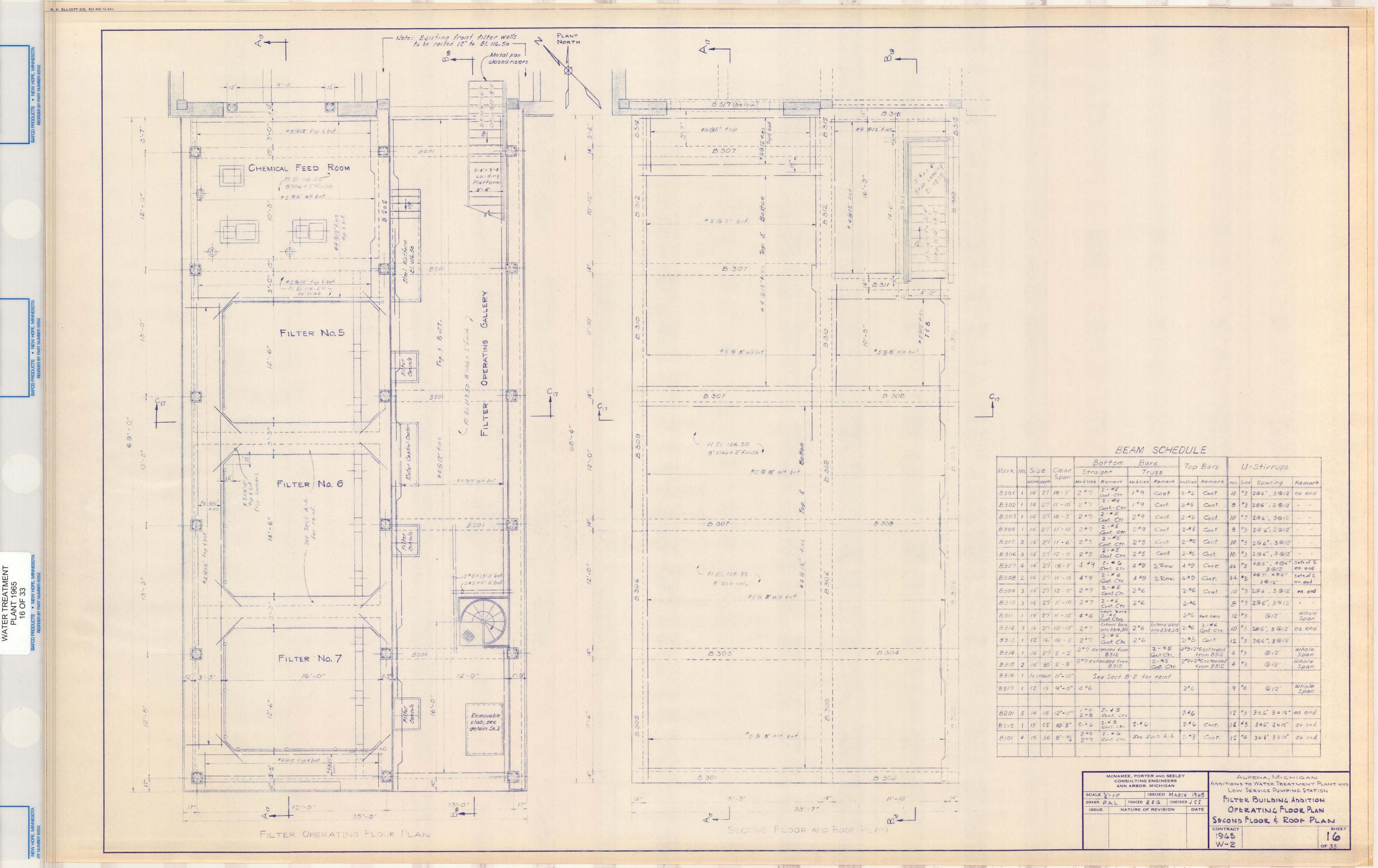


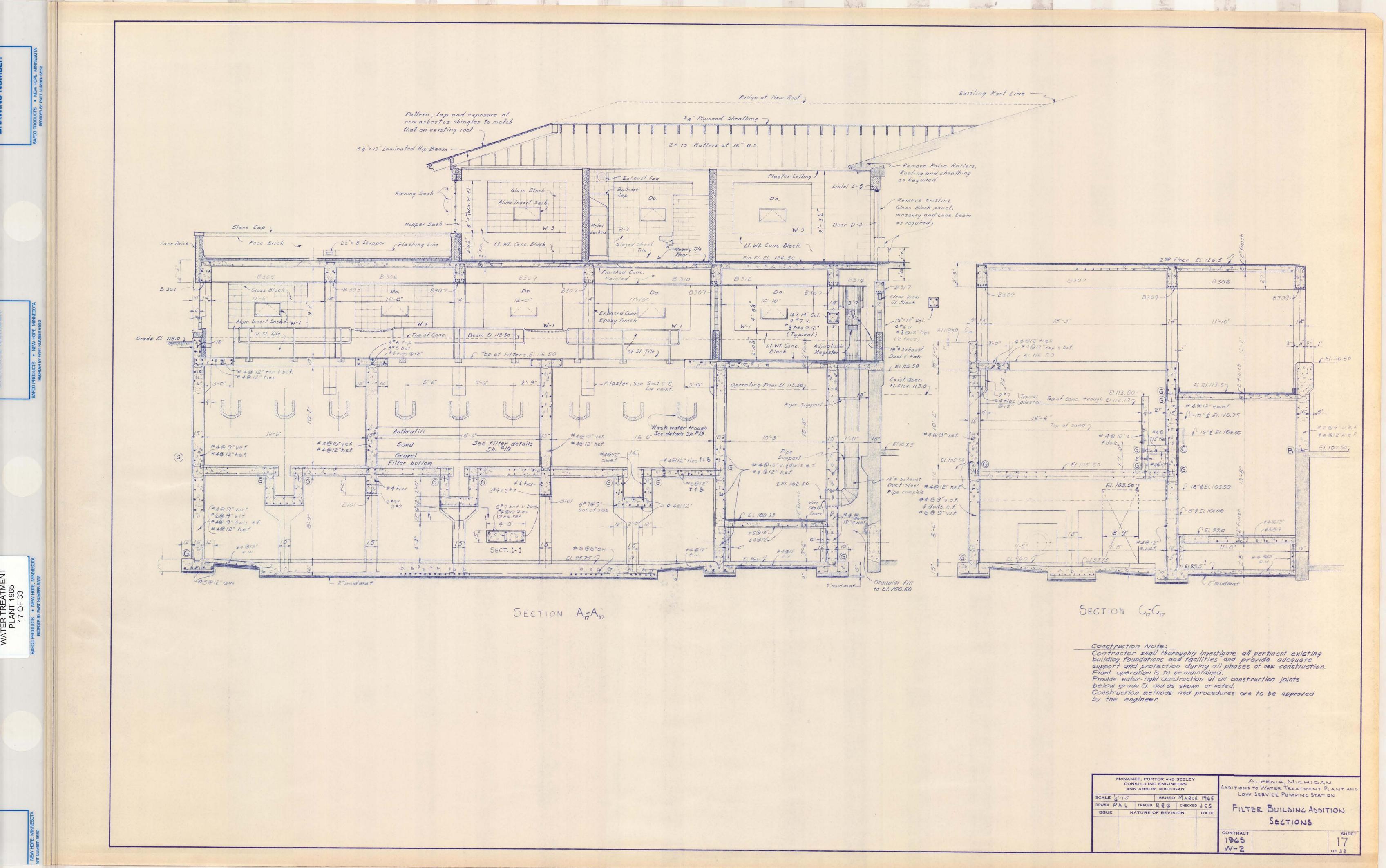
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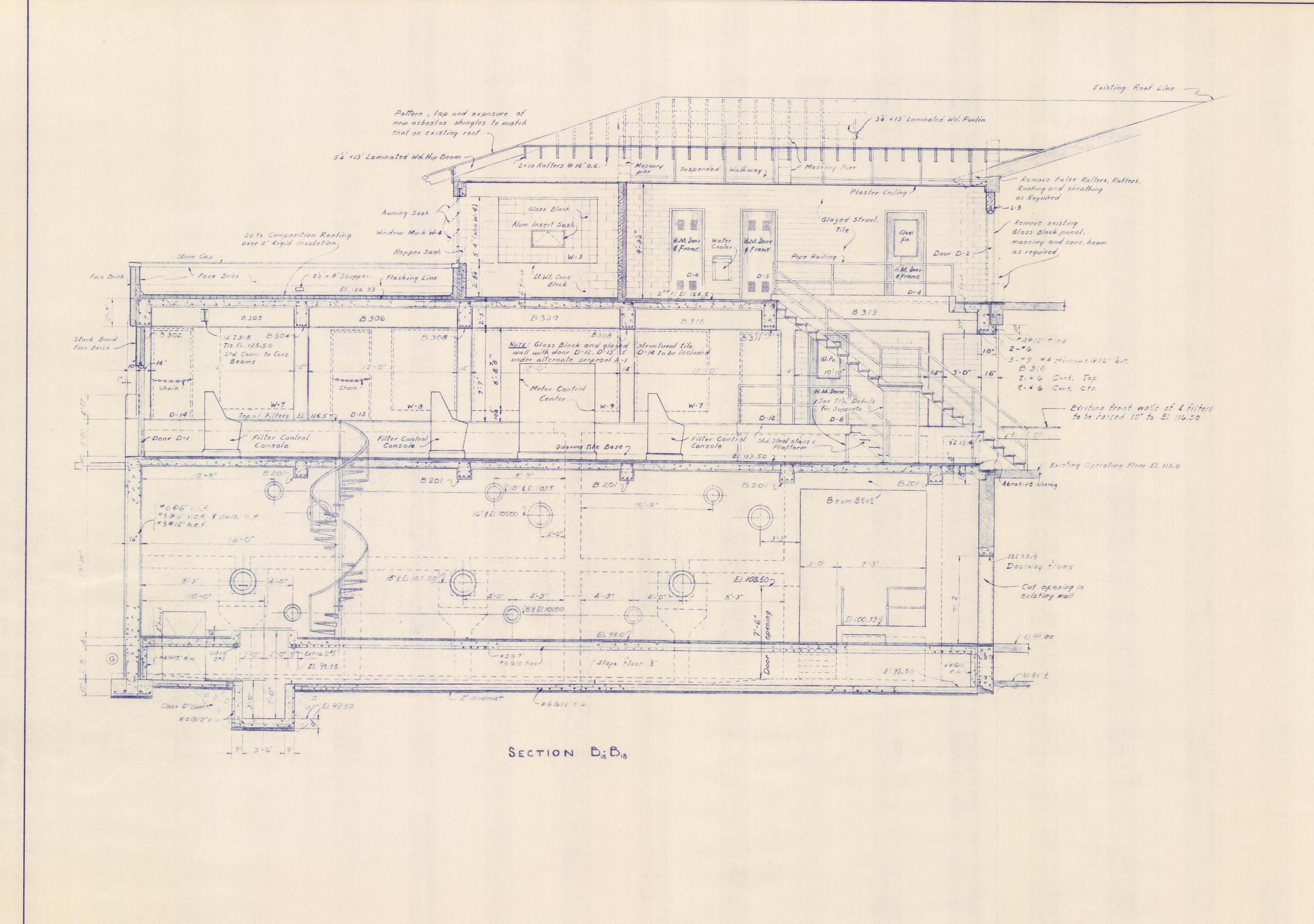
COMBER



WATER TREATME PLANT 1965 15 OF 33

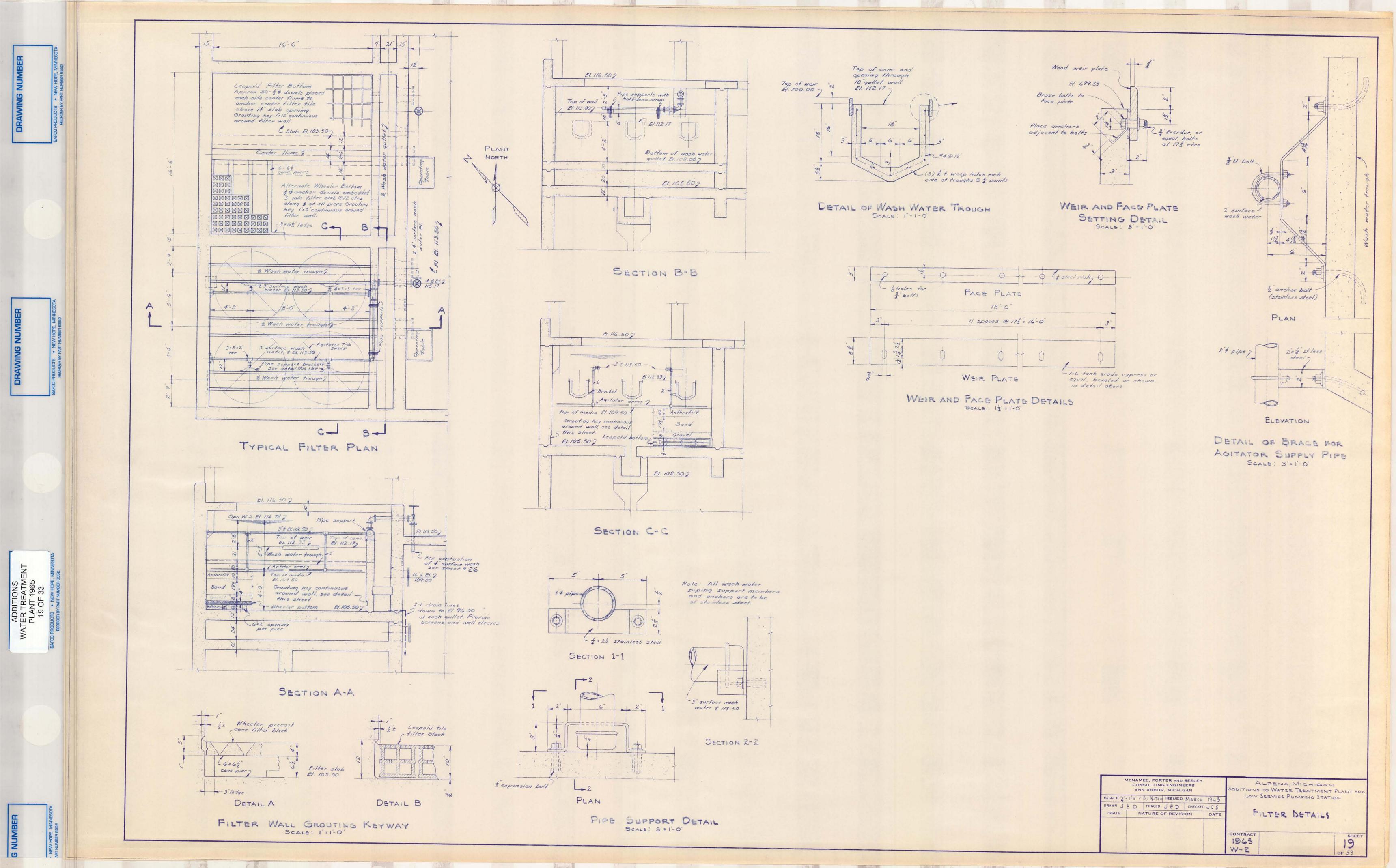


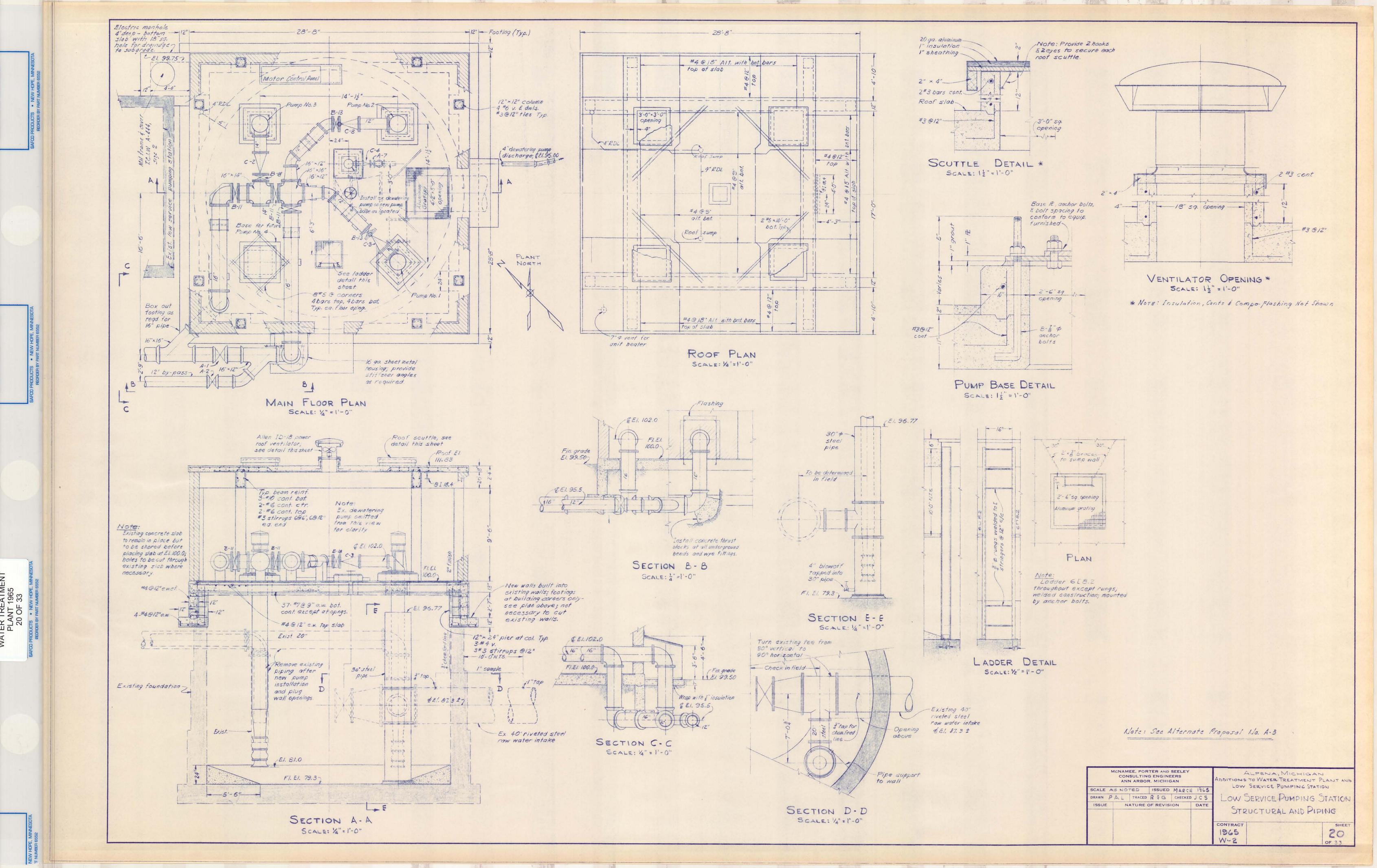


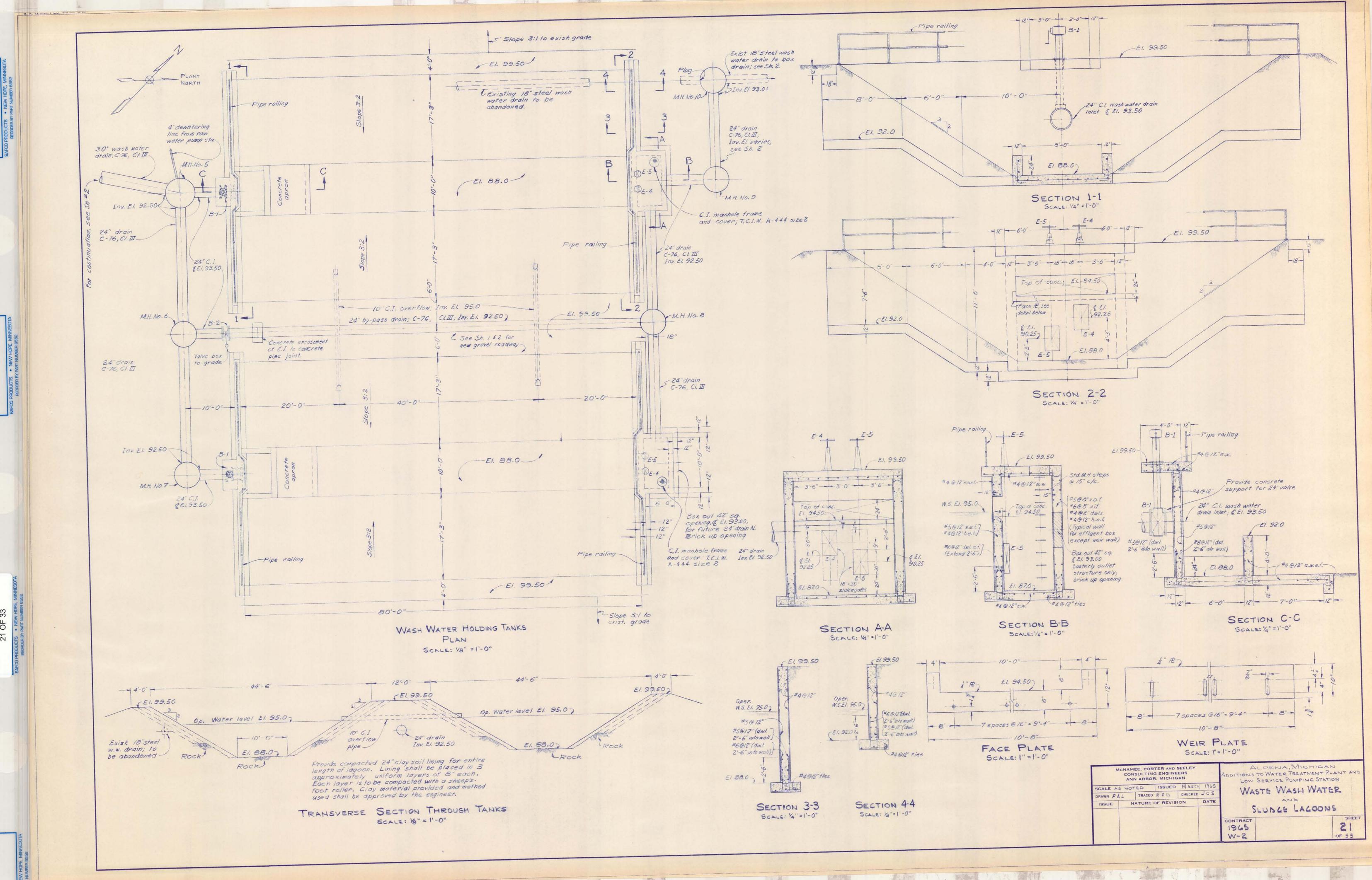


MCNAMEE, PORTER AND SEELEY
CONSULTING ENGINEERS
ANN ARBOR, MICHIGAN ALPENA, MICHIGAN IDDITIONS TO WATER TREATMENT PLANT AND LOW SERVICE PUMPING STATION DRAWN PAL TRACED REG CHECKED JCS ISSUED MARCH 1965 FILTER BUILDING ADDITION ISSUE NATURE OF REVISION DATE SECTION CONTRACT 1965 W-2

B. K. ELLIOTT CO. 404 300 12-63+

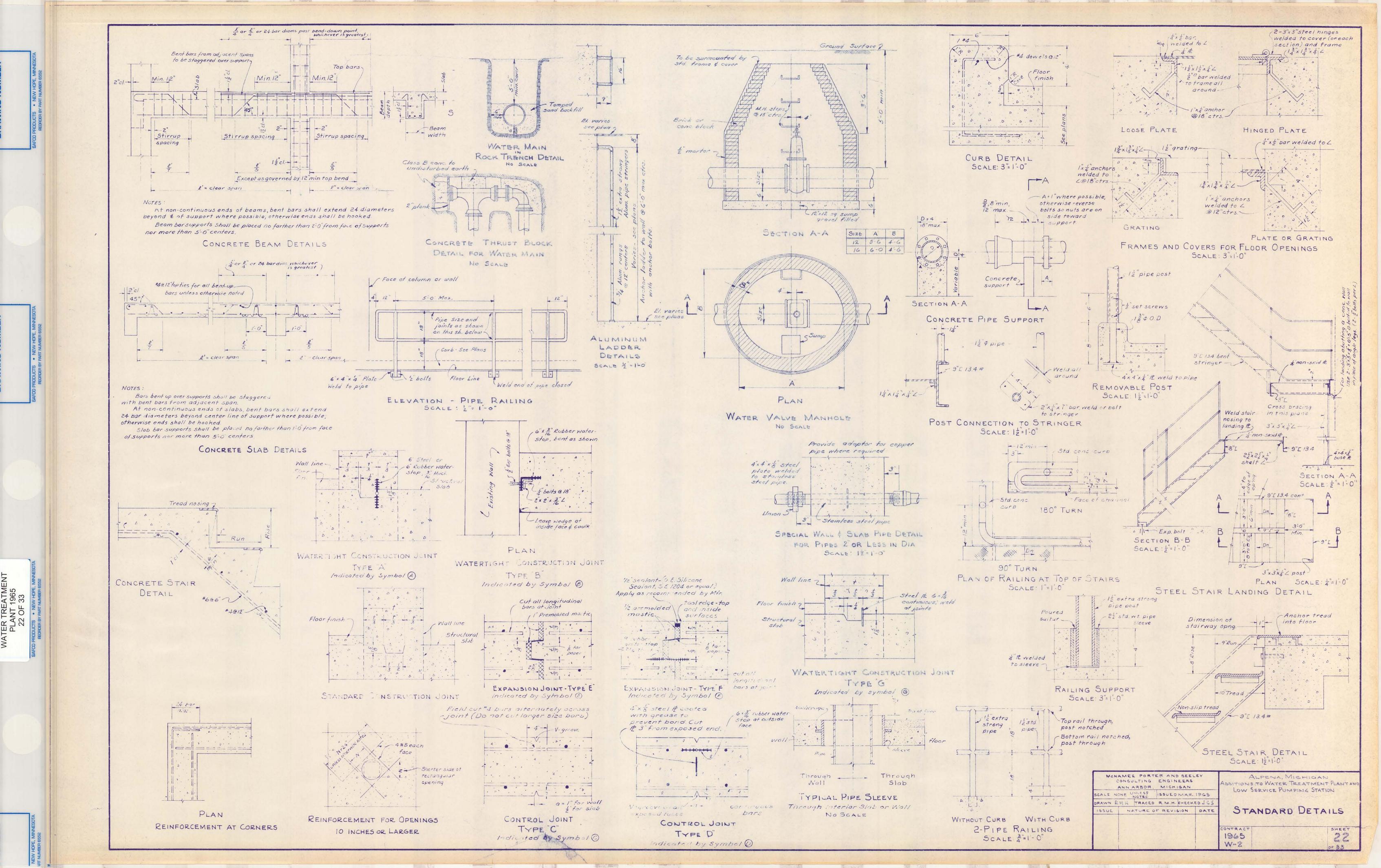


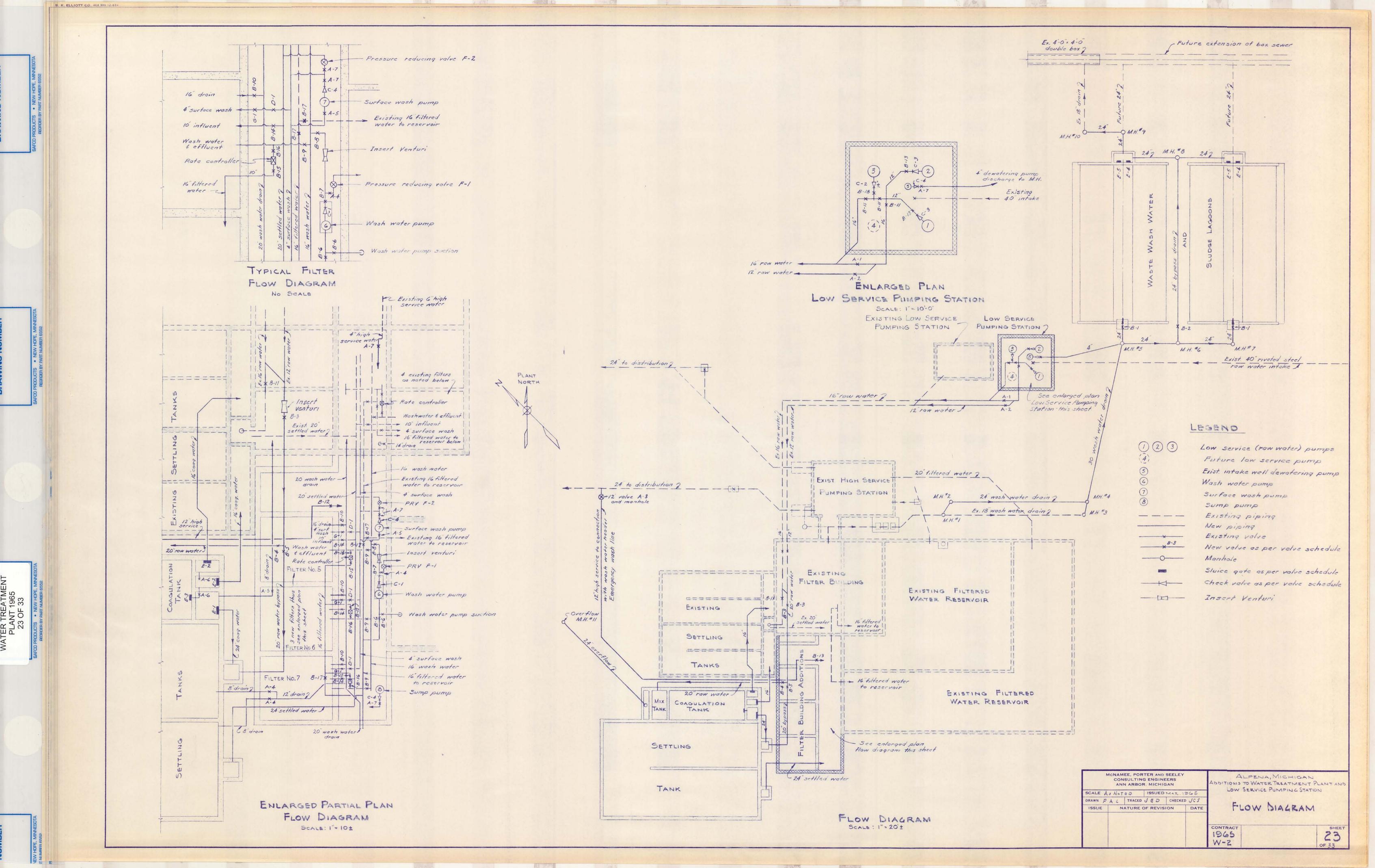


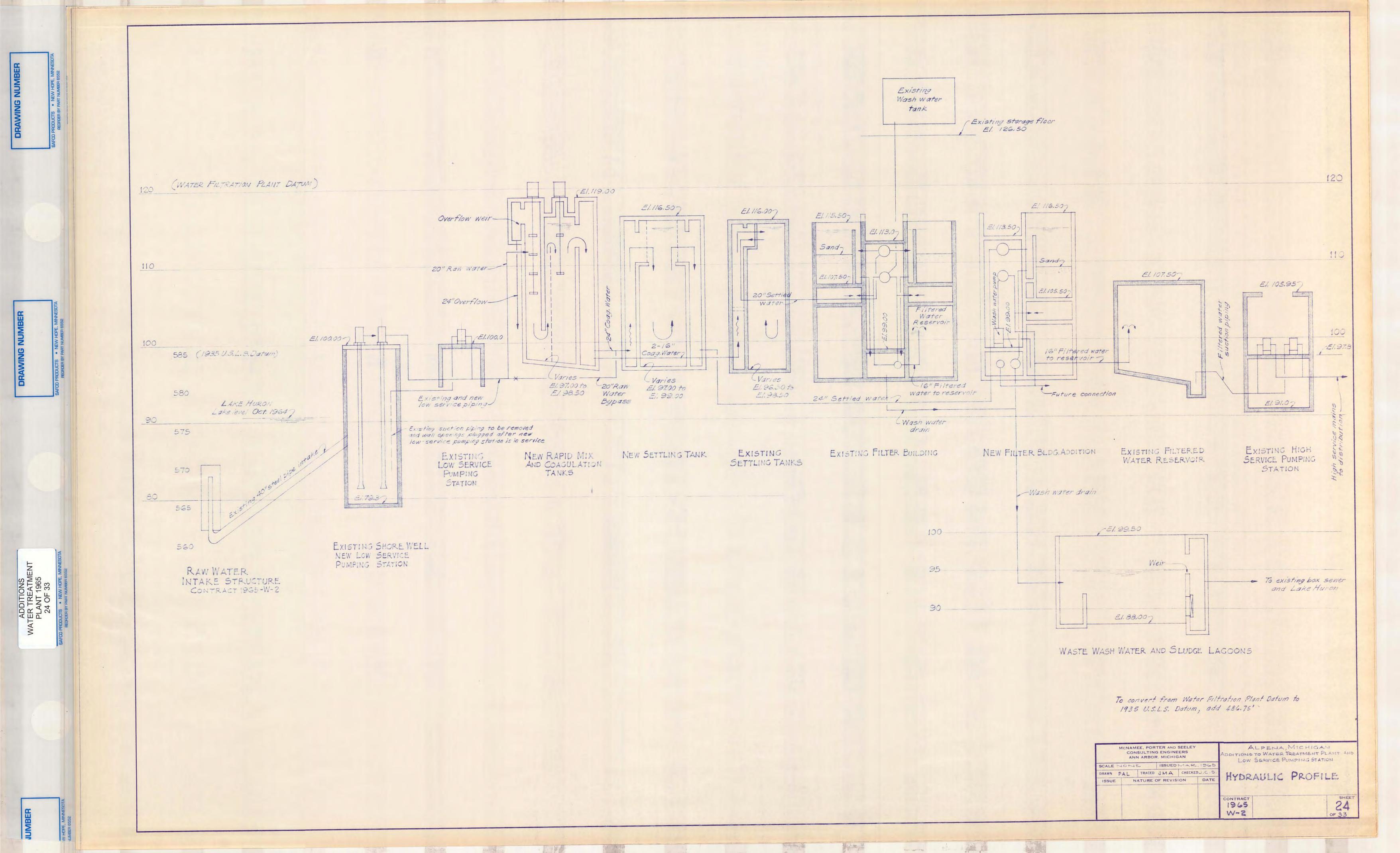


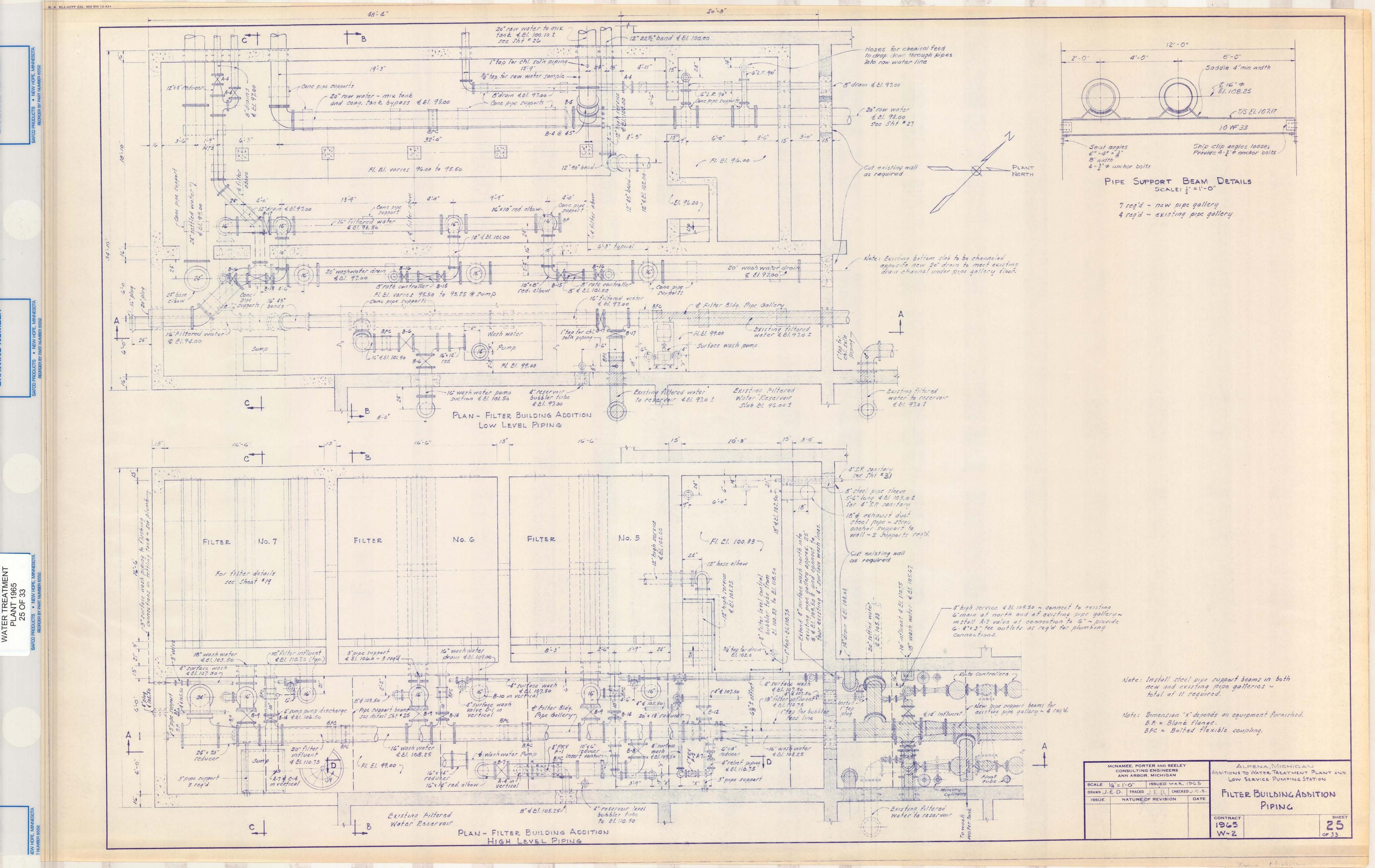
WATER

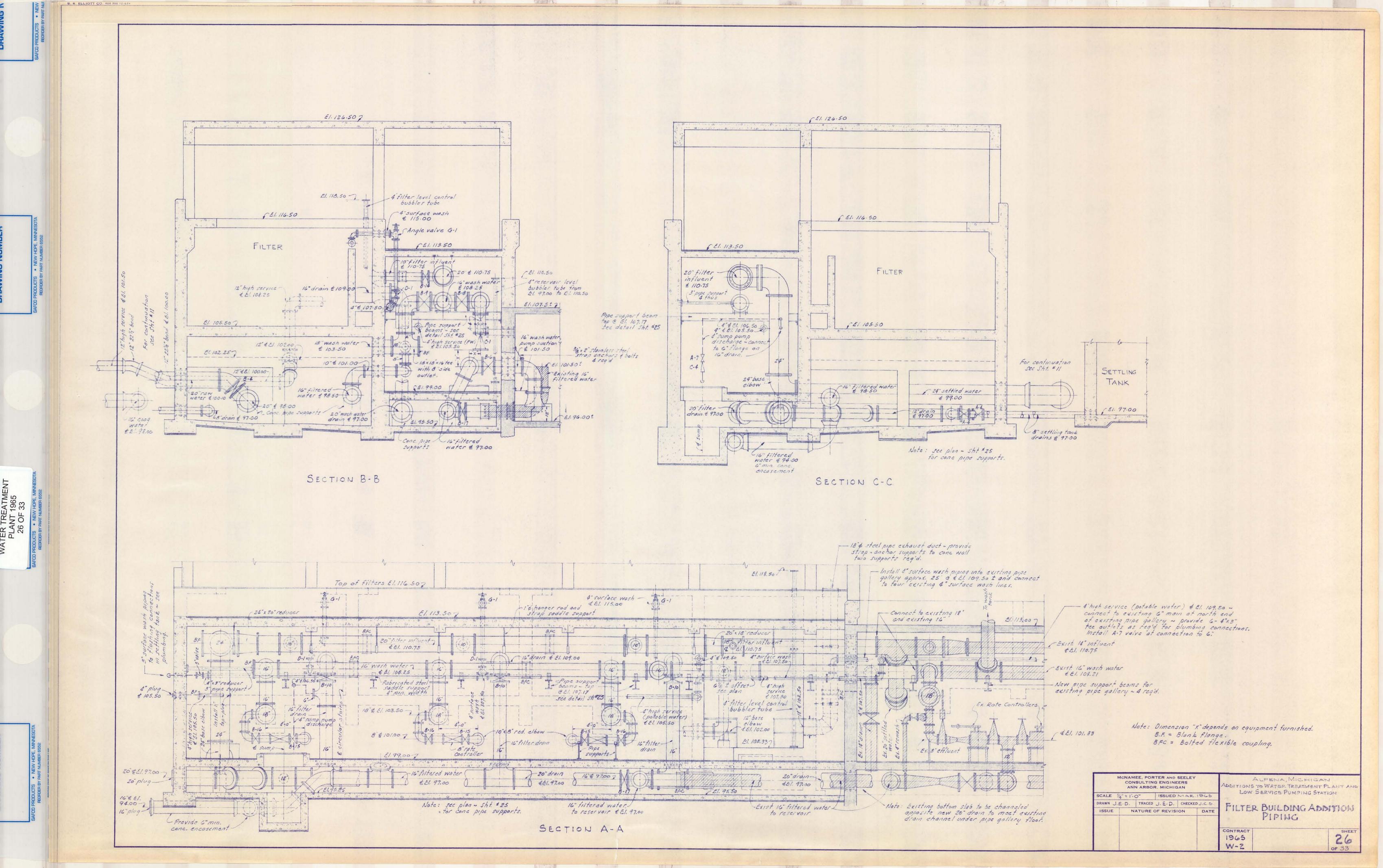
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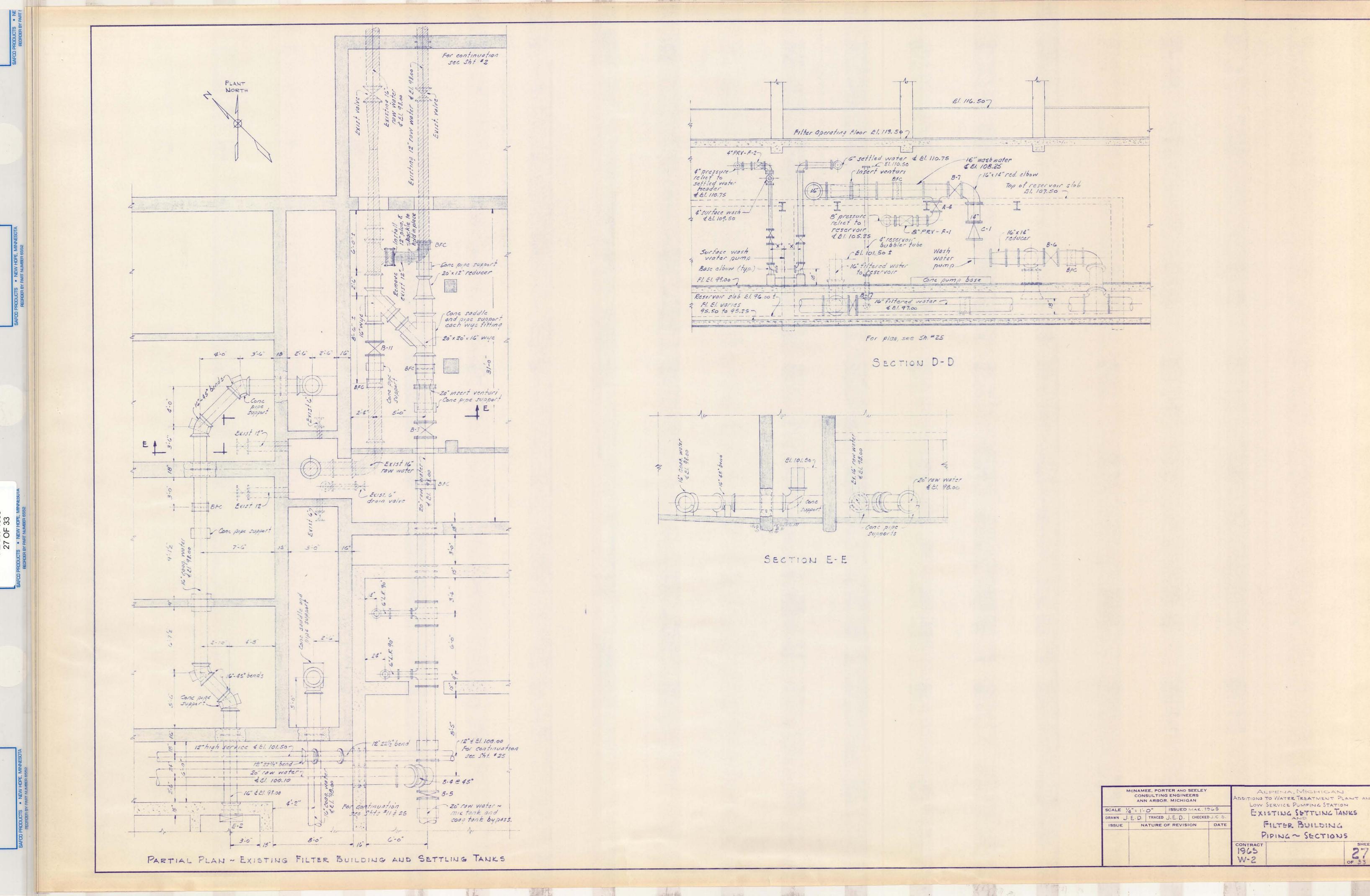


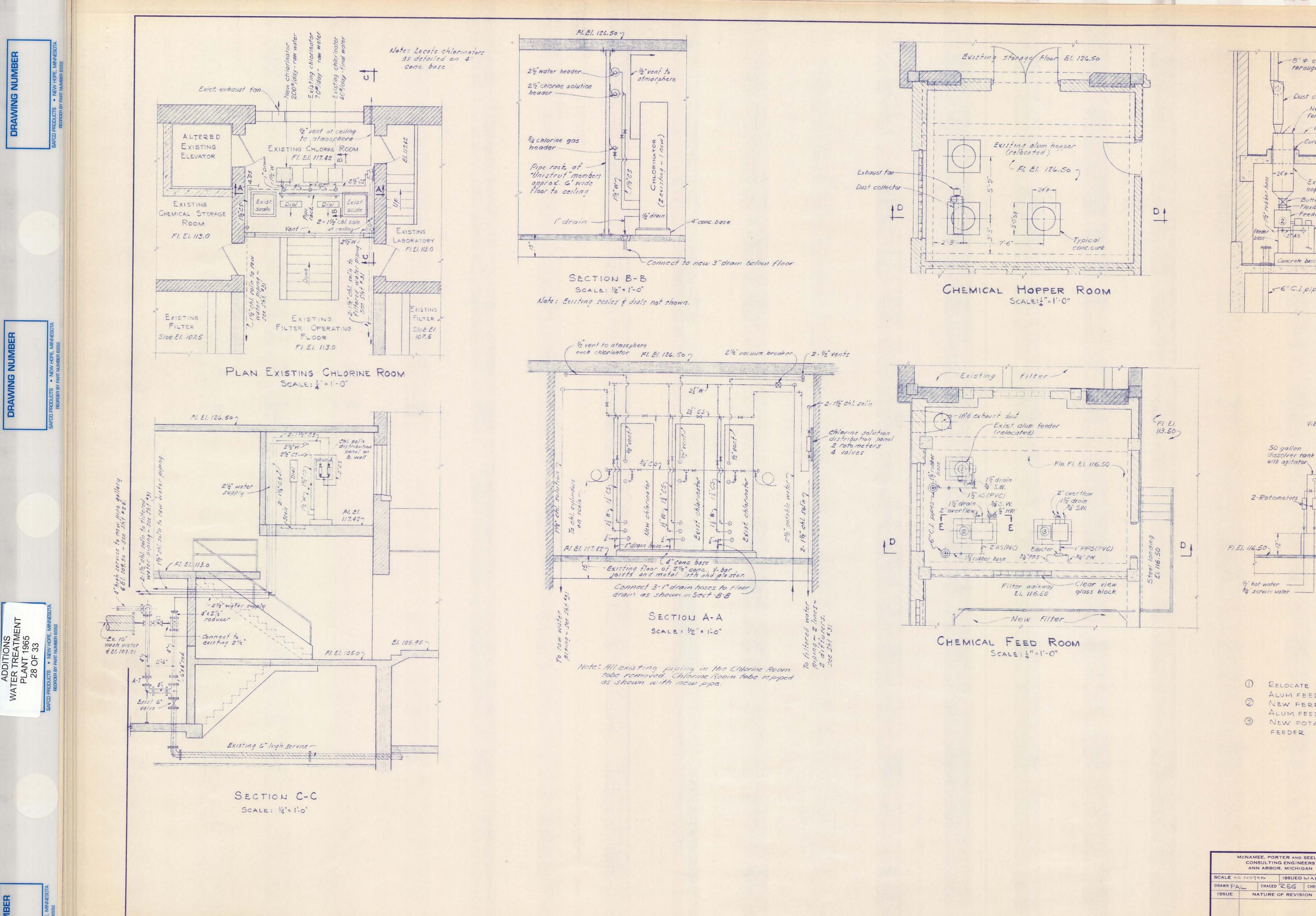




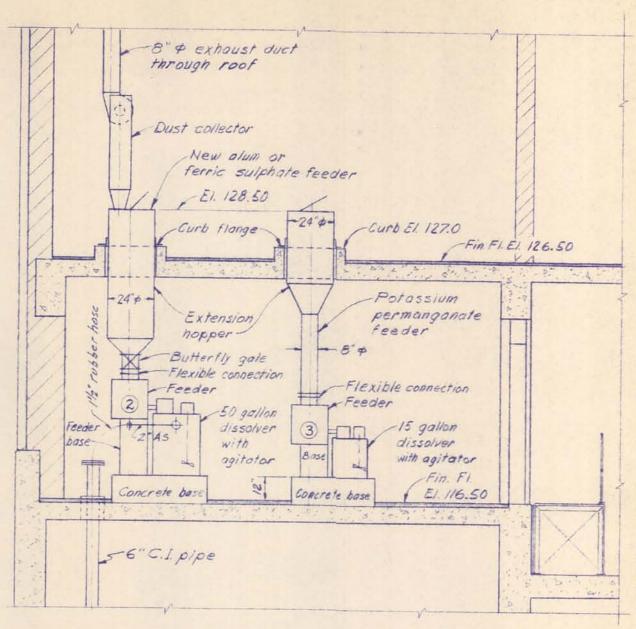




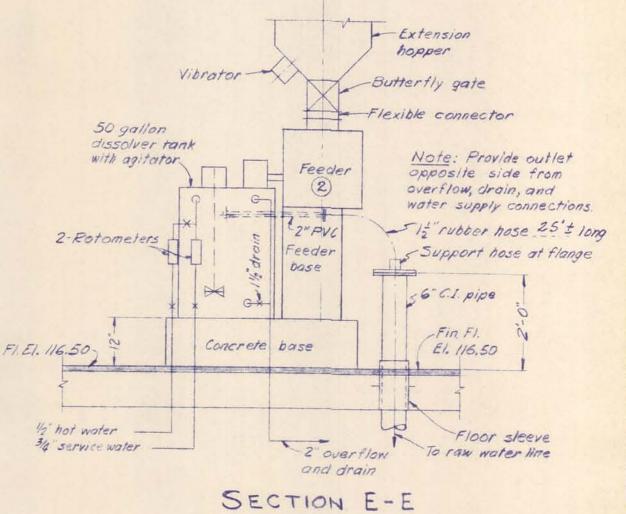




B. K. ELLIOTT CO. 494 300 12-63 -



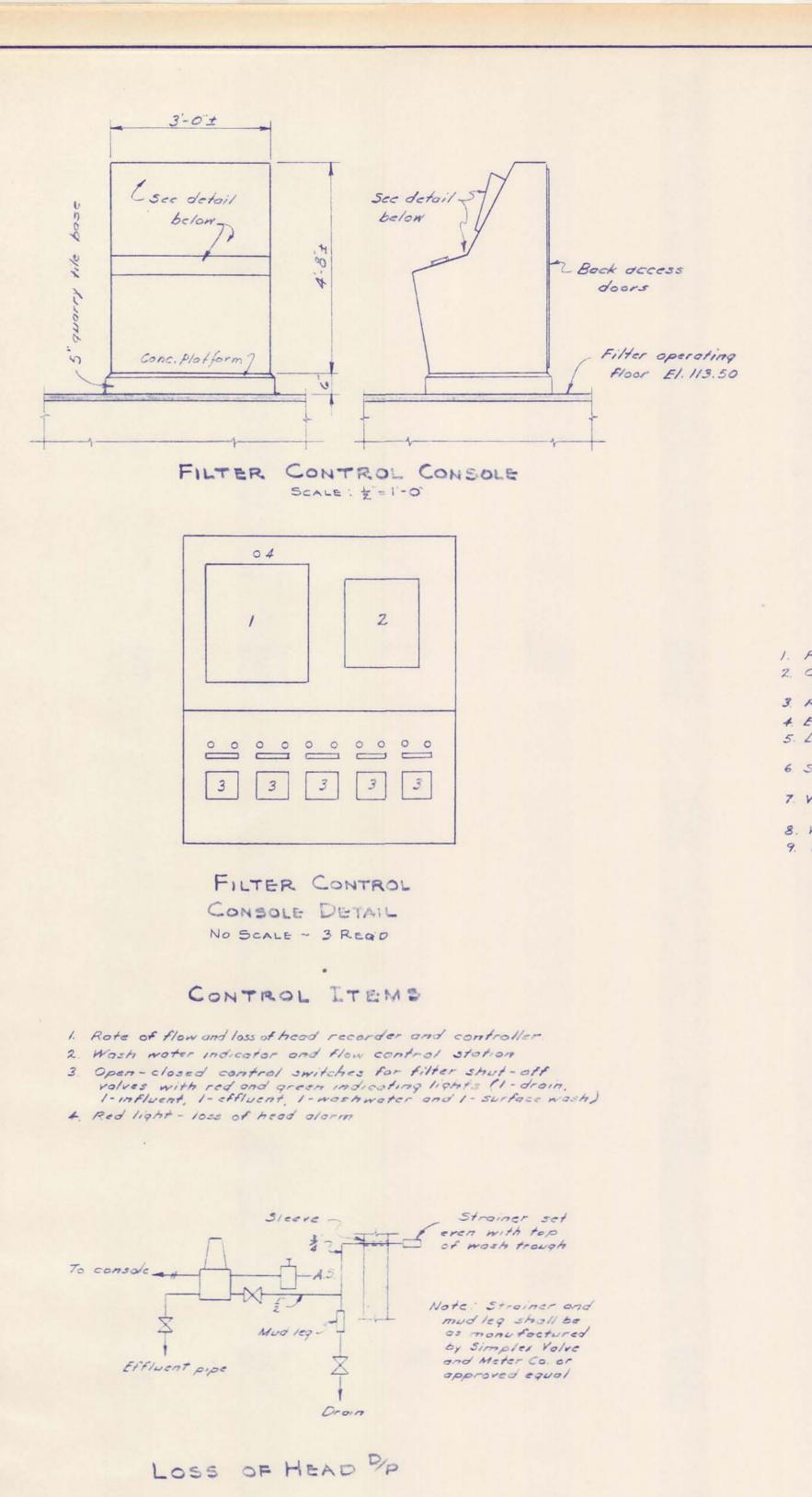
SECTION D-D SCALE: 4" = 1'-0"

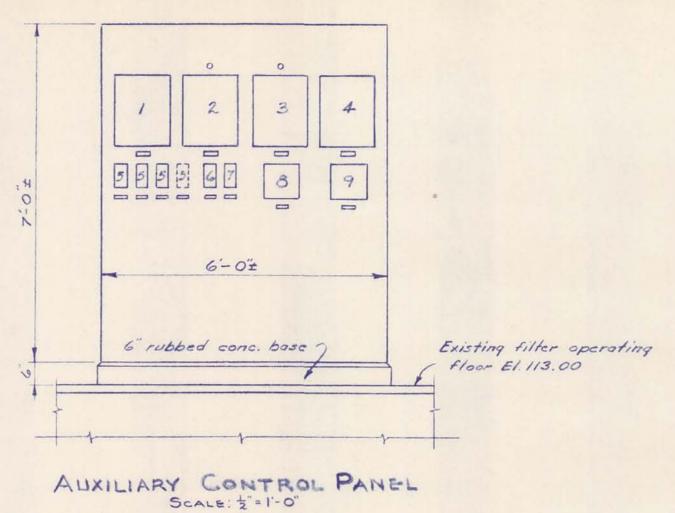


SCALE: = 1'-0"

- 1 RELOCATE POSITION OF EXISTING ALUM FEEDER
- O NEW FERRIC SULPHATE OR ALUM FEEDER
- 3 NEW POTASSIUM PERMANGANATE

MCNAMEE, PORTER AND SEELEY ALPENA, MICHIGAN CONSULTING ENGINEERS
ANN ARBOR, MICHIGAN SDITIONS TO WATER TREATMENT PLANT AND LOW SERVICE PUMPING STATION SCALE AS NOTED ISSUED MAR 1965 CHLORINE ROOM DRAWN PAL TRACED REG CHECKED J.C.S NATURE OF REVISION DATE CHEMICAL FEED ROOM SECTIONS & DETAILS CONTRACT W-2



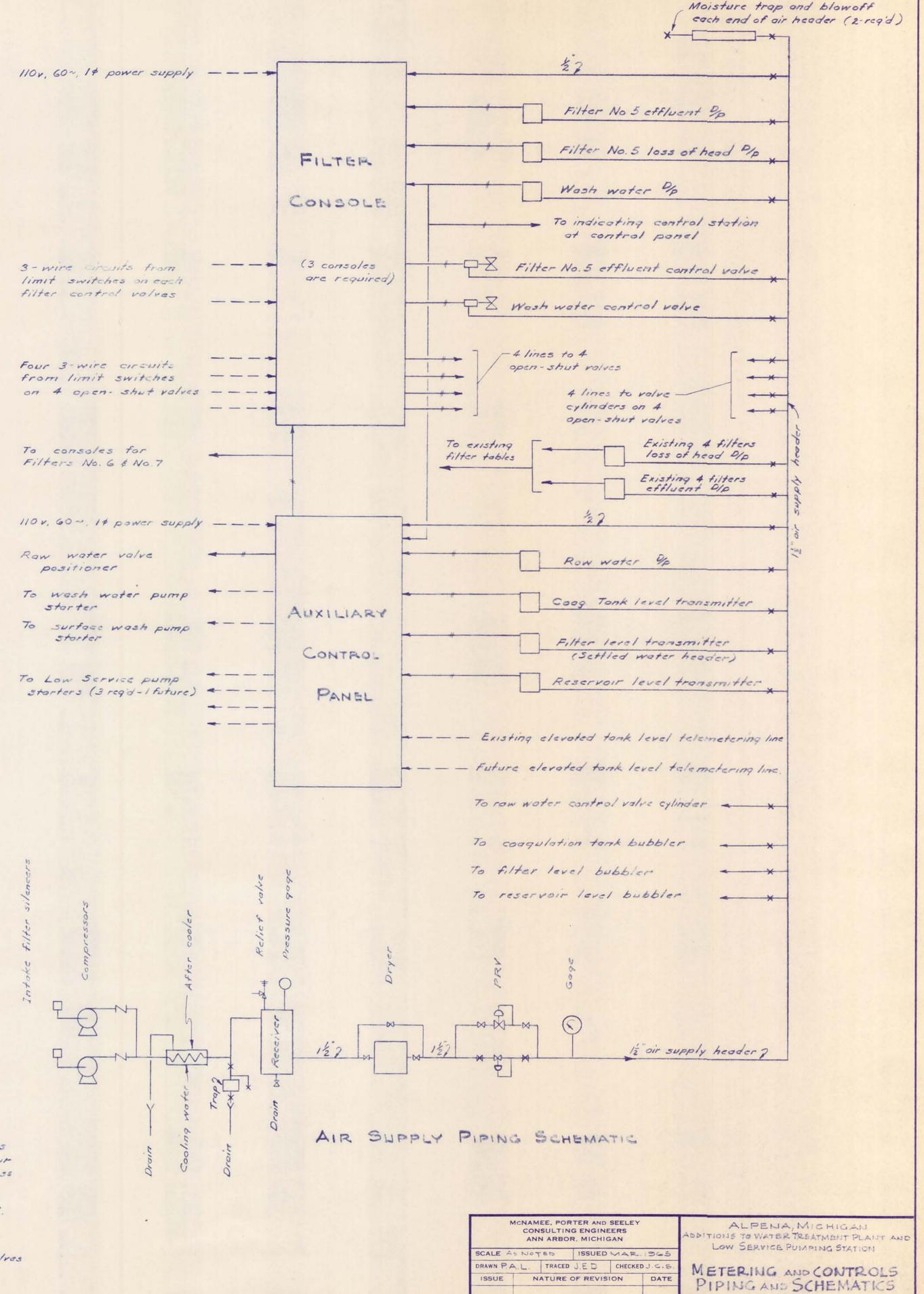


## CONTROL TEMS

- 1. Row water flow control station recorder totalizer & controller 2. Conquistion tank and filter level control and indicating station
- with alarm light.
- 3. Reservoir level indicator and controller with high and low level olorm light.
- 4. Existing and future elevated tonk recorder 2 pen.
  5. Low service pump start-stop pushbutton station (Ifuture) with
- red and green indicating lights.

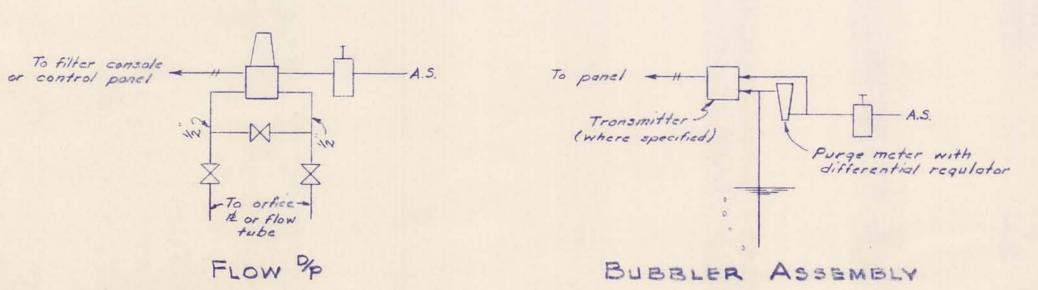
  6 Surface wash pump stort stop pushbutton station with red and
- queen indicating lights.

  7. Wash water pump start stop pushbutton station with red and green indicating lights.
- 8. Wash water indicator and flow control station
- 9. Wash water recorder and totalizer



CONTRACT

59



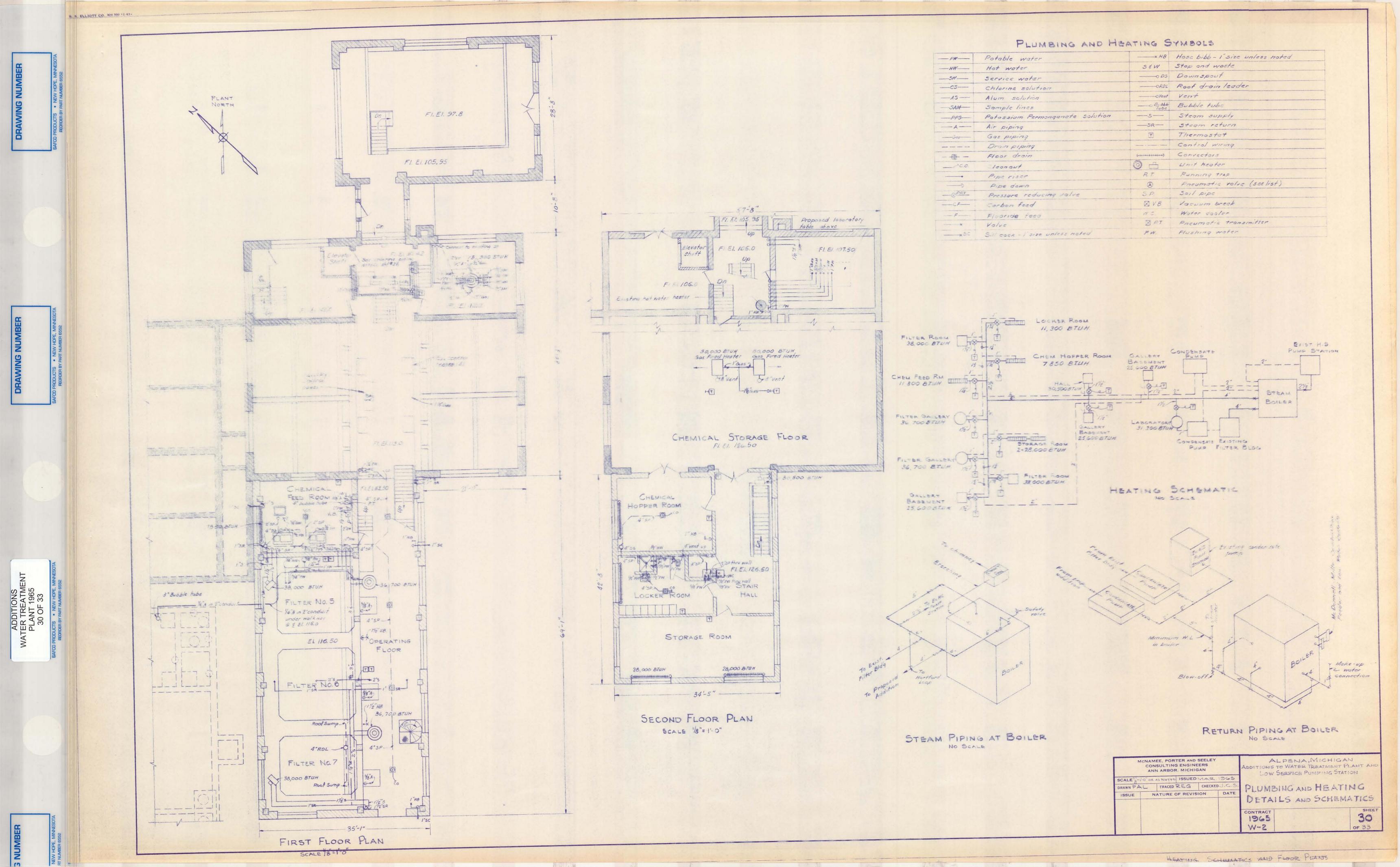
TYPICAL CONTROL SYSTEM DETAILS

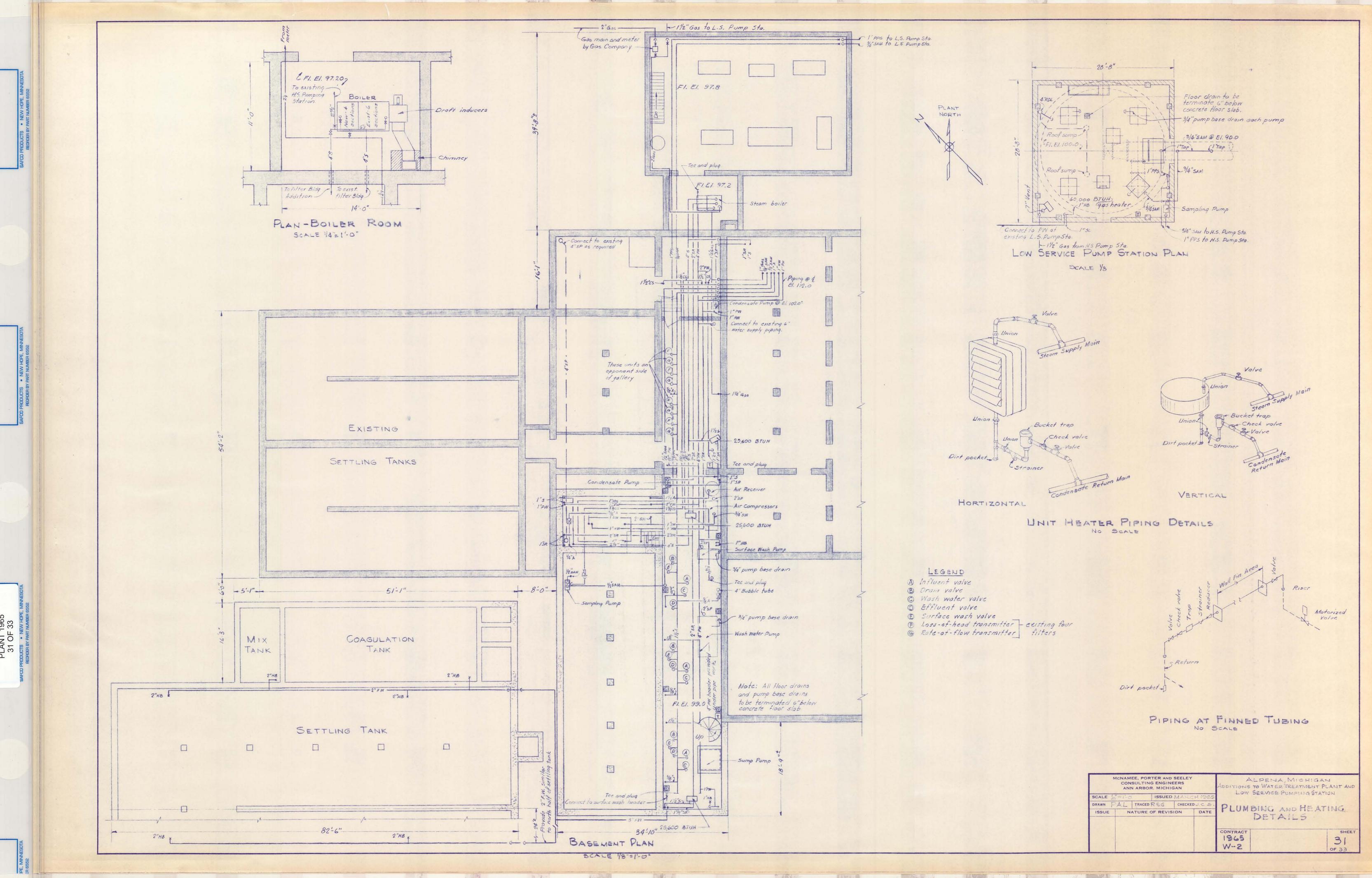
Note: All our lines to valve cylinders
shall be \$\frac{3}{8}\$ copper tubing. Other our
lines shall be \$\frac{1}{8}\$ copper tubing unless
shown otherwise.

Console for filters No. 6 and No. 7
similar to that shown for filter No. 5.
Wash water \$\mathre{Q}p\$ and control value

are common.

\* Each filter requires 4 open-shut valves
1-influent, 1-drain, 1- wash water
and 1-surface wash





ADDITIONS WATER TREATMEN

BER

