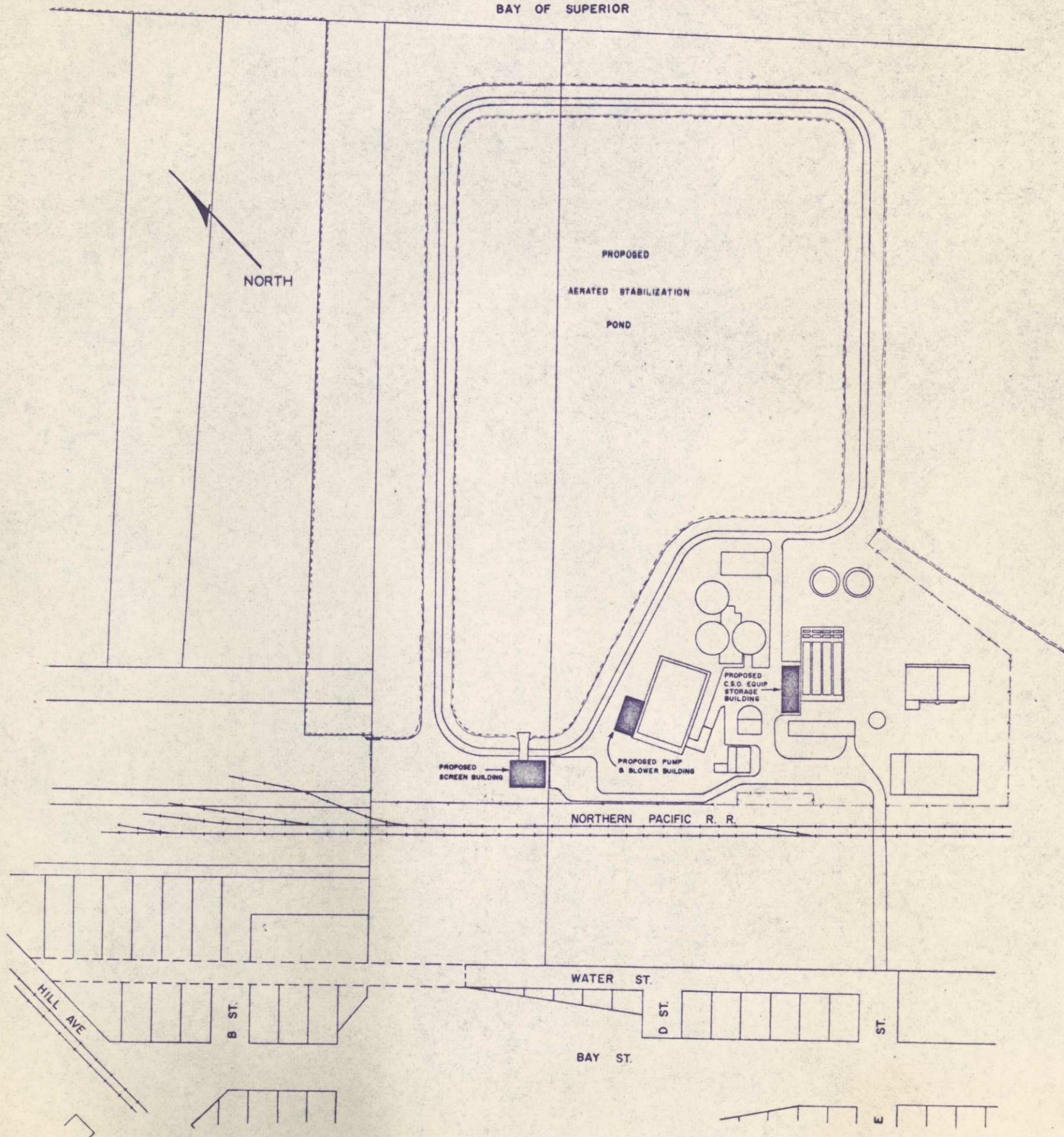


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5. CONTOUR MAP
6. DREDGE SPOIL DISPOSAL AREA "1"
- 6A. DREDGE SPOIL DISPOSAL AREA "2"
- 6B. D.S.D.A.-1 AND D.S.D.A.-2 OVERFLOW ROUTING
7. DIKE AND OUTFALL
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14. SCREEN BUILDING ROOF PLAN
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16. PUMP & BLOWER BUILDING
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45. ELECTRICAL SITE PLAN
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49. C.S.O. STORAGE ELECTRICAL & D.C.C.'S
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53. GRAPHIC PANELS



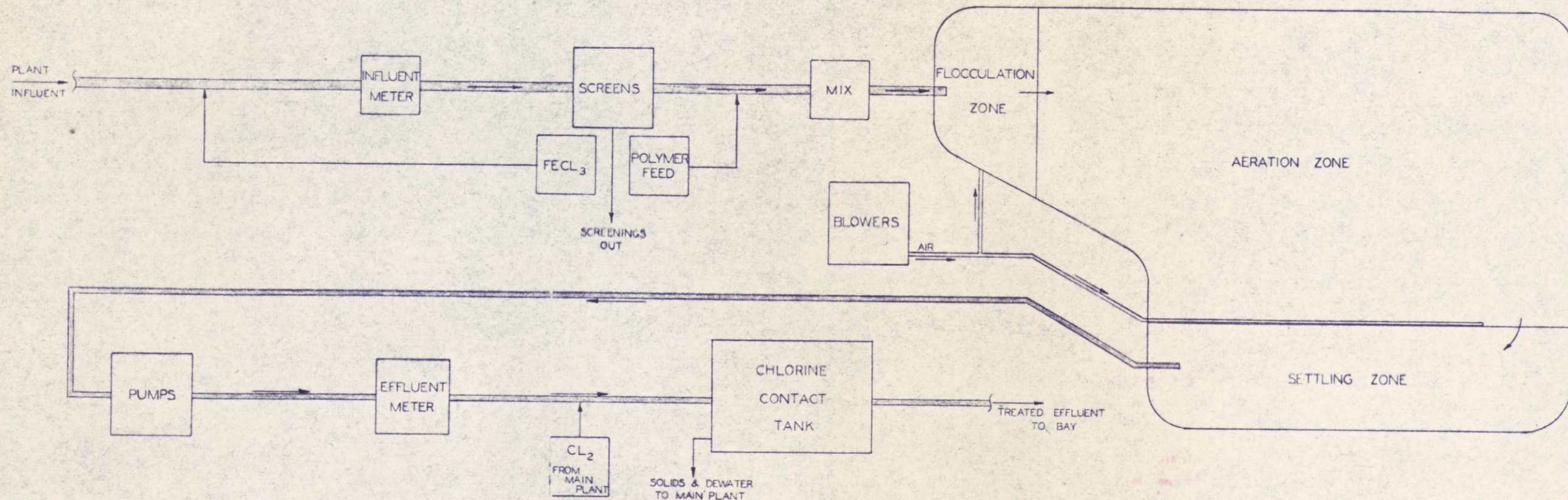
WEEDEN CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A duly LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.  
DATE: JUNE 14, 1975  
E.O. 6599

REVISIONS	
NO. 1	DATE: 6-14-75
NO. 2	DATE: 6-14-75
NO. 3	DATE: 6-14-75
NO. 4	DATE: 6-14-75
NO. 5	DATE: 6-14-75
NO. 6	DATE: 6-14-75
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NO. 14	DATE: 6-14-75
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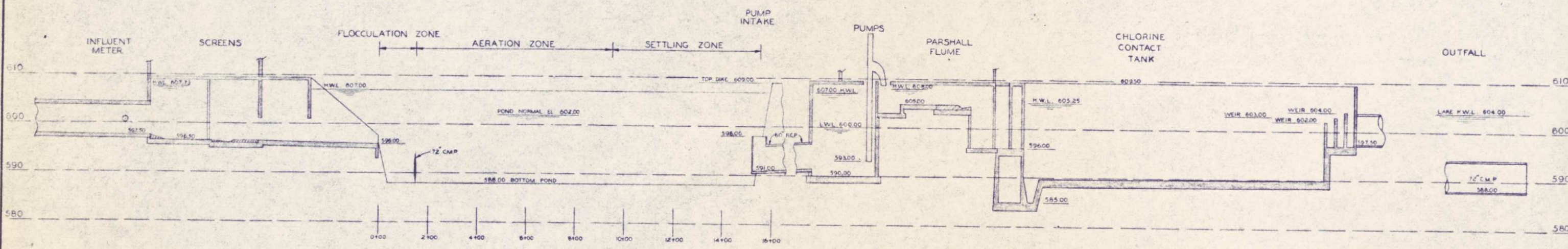
**BONESTROO, ROSENE, ANDERLIK & ASSOC., INC.**  
ST. PAUL, MINNESOTA

**SUPERIOR, WISCONSIN**  
DATE: JUNE 14, 1975  
CDMM 6885 F

**C.S.O. PLANT - DISTRICT 2**  
INDEX SHEET



FLOW DIAGRAM  
NO SCALE



HYDRAULIC PROFILE  
HORIZ. 1" = 20'  
VERT. 1" = 10'  
(UNLESS NOTED OTHERWISE)

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.  
DATE: JUNE 14, 1975 REG. NO. E06599

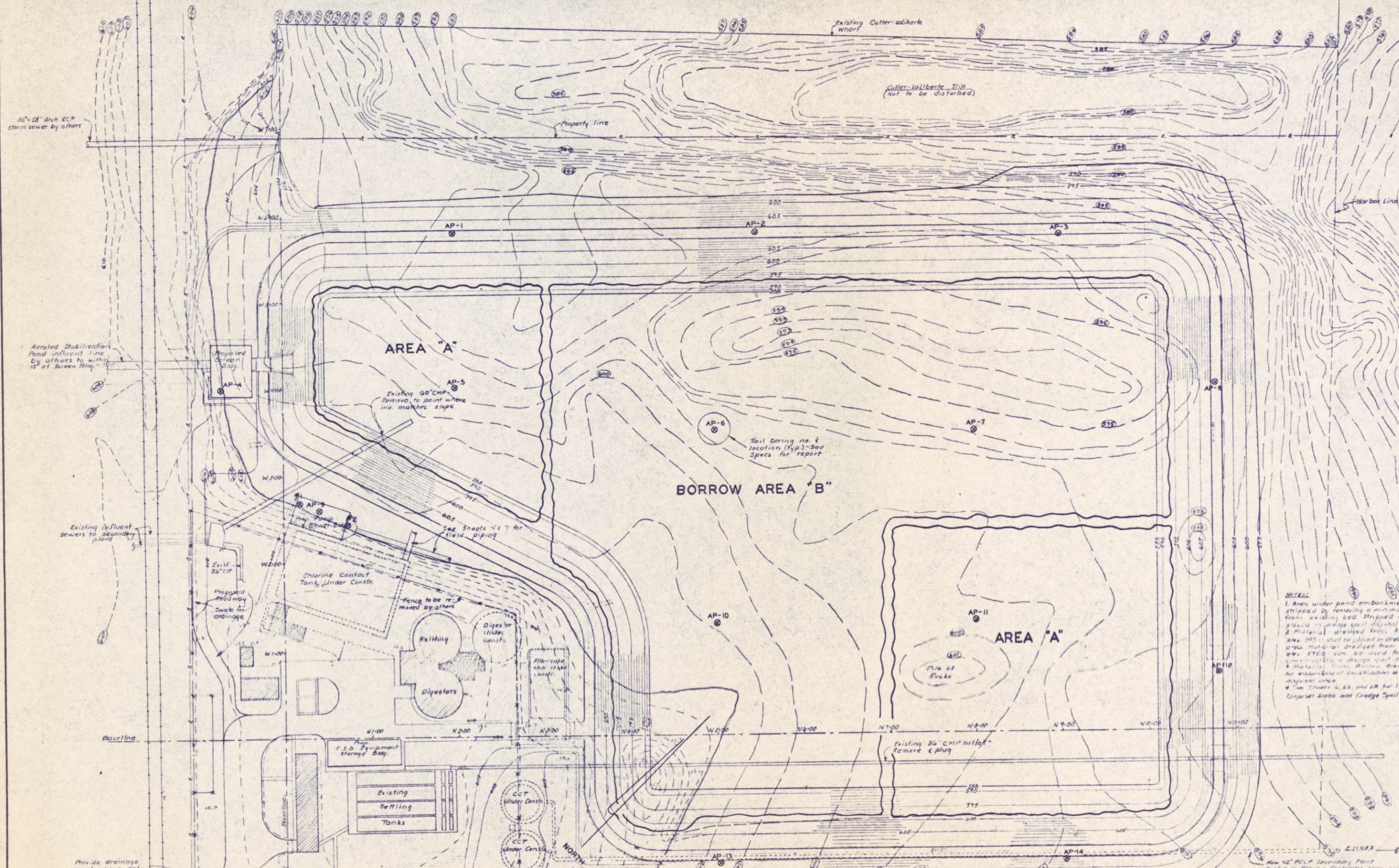
*Att: [Signature]*

REVISIONS	
SURVEY	HC
DESIGN	HC
APPROVED	HC

**DONESTRO, ROSENE, ANDERLIK & ASSOC., INC.**  
ST. PAUL, MINNESOTA

**SUPERIOR, WISCONSIN**  
DATE: JAN 3, 1975  
CDWM 6888F

C. S. O. PLANT - DISTRICT 2  
FLOW DIAGRAM & HYDRAULIC PROFILE  
3/53



36" x 36" Arch RC storm sewer by others

Aerated Stabilization Pond influent line by others to within 15' of Screen Bldg.

Existing influent sewers to secondary plant

Provide drainage swale over entrance roadway

**NOTES:**  
 1. Area under pond embankment shall be stripped by removing a minimum of 2' from existing bed stripped material placed in large spill disposal area. Material stripped from Areas A and B shall be placed in large spill area. Material dredged from Area A may be used for embankment construction at storage disposal area.  
 2. Areas A, B, and C shall be stripped to disposal area and large spill overflow.

SCALE: 1" = 50'

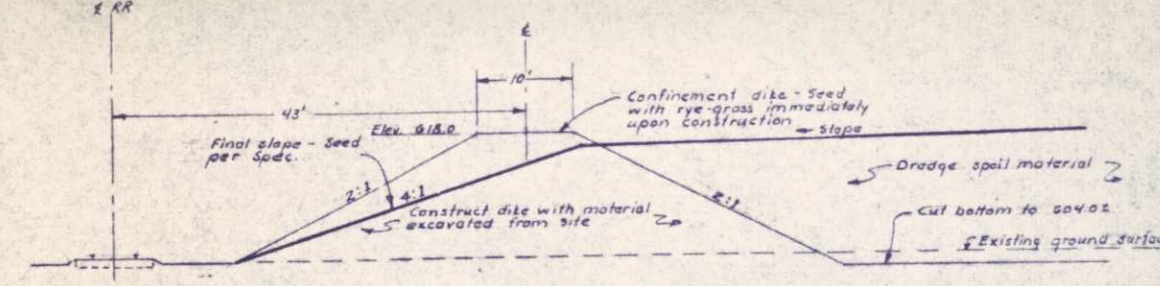
DATE: FEB 5, 1975  
 E06599  
*W. Bonstrom*

SURVEY	DR	REVISIONS
DRAWN	FB	1. Change of location of AP-14
DESIGN	RET	2. Change of location of AP-14
APPROVED	RET	

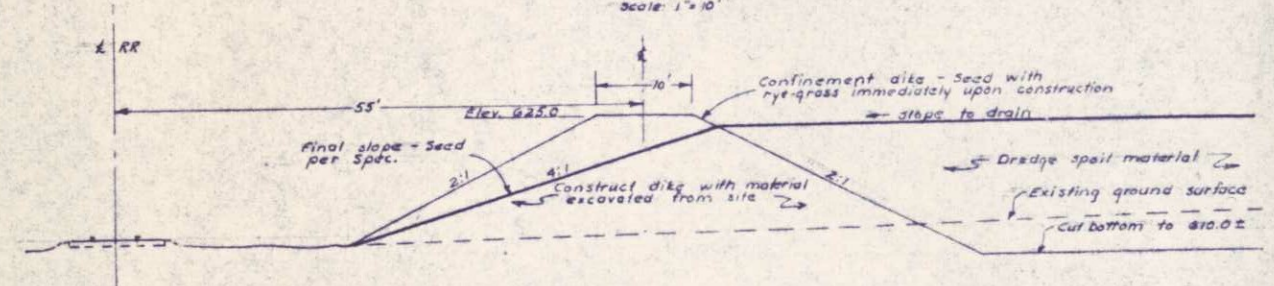
**BONESTROO, ROSENE, ANDERLIK & ASSOC., INC.**  
 ST. PAUL, MINNESOTA

**SUPERIOR, WISCONSIN**  
 DATE: JAN 3, 1975  
 GDM, 6888 F

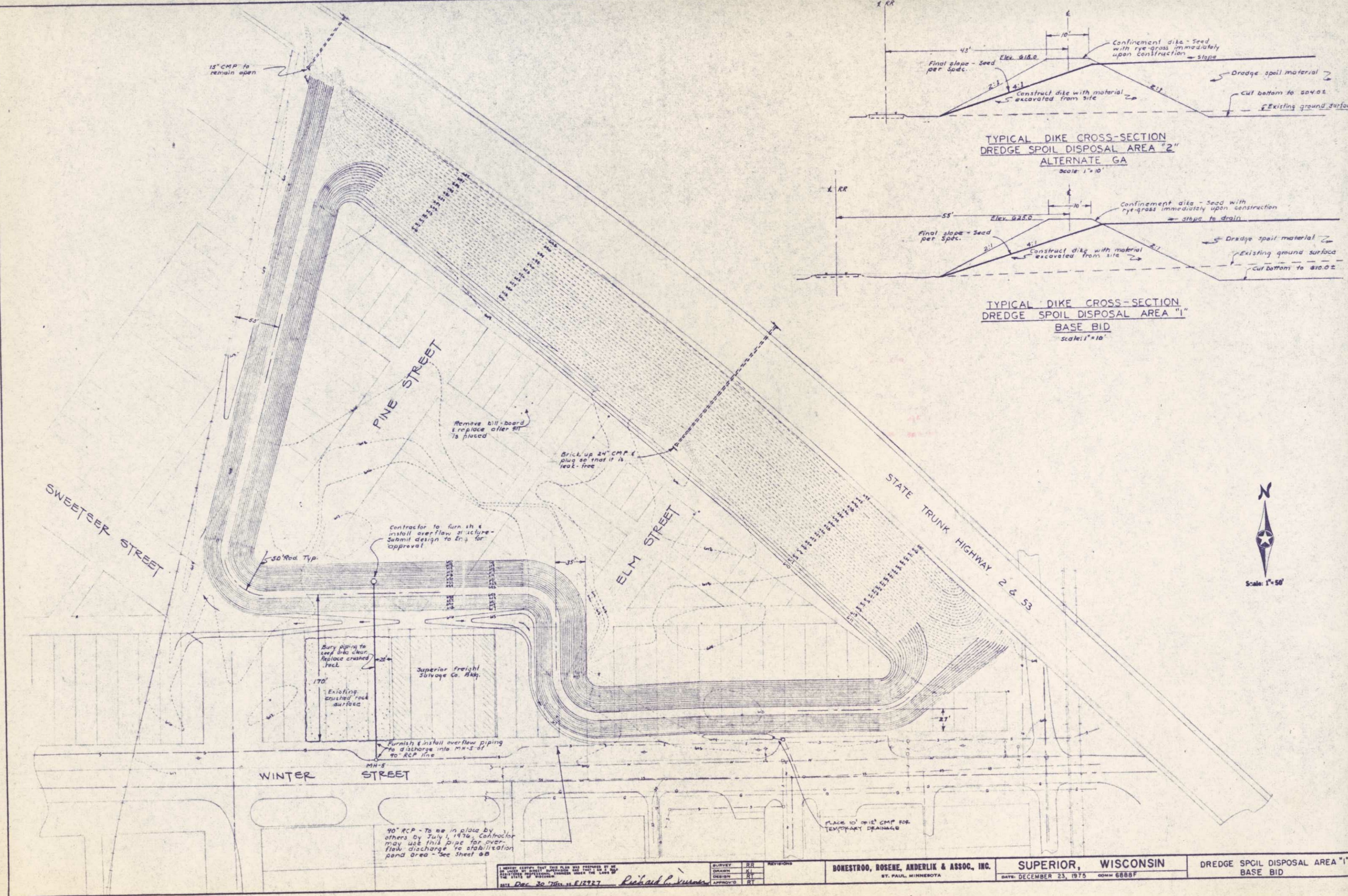
**C. S. O. PLANT - DISTRICT 2**  
**CONTOUR MAP**



TYPICAL DIKE CROSS-SECTION  
DREDGE SPOIL DISPOSAL AREA "2"  
ALTERNATE GA  
Scale: 1"=10'



TYPICAL DIKE CROSS-SECTION  
DREDGE SPOIL DISPOSAL AREA "1"  
BASE BID  
Scale: 1"=10'



I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.  
DATE: Dec. 30 1975 11 E1727  
Richard L. Vroman

REVISIONS	
SURVEY	RB
DRAWN	KL
DESIGN	RT
APPROVED	RT

BONESTROO, ROSENE, ANDERLIK & ASSOC., INC.  
ST. PAUL, MINNESOTA

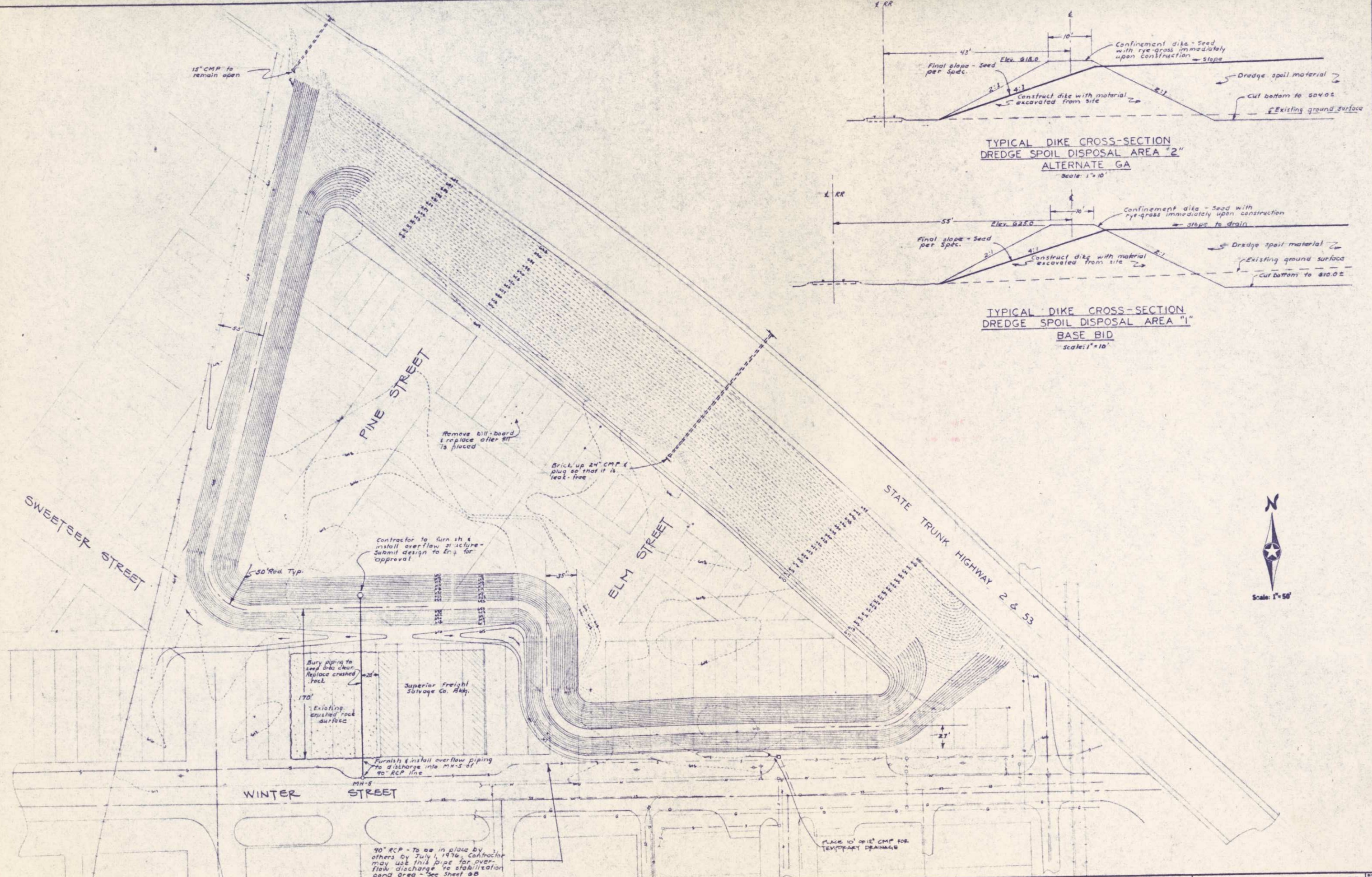
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DATE: DECEMBER 23, 1975  
COMM 6888F

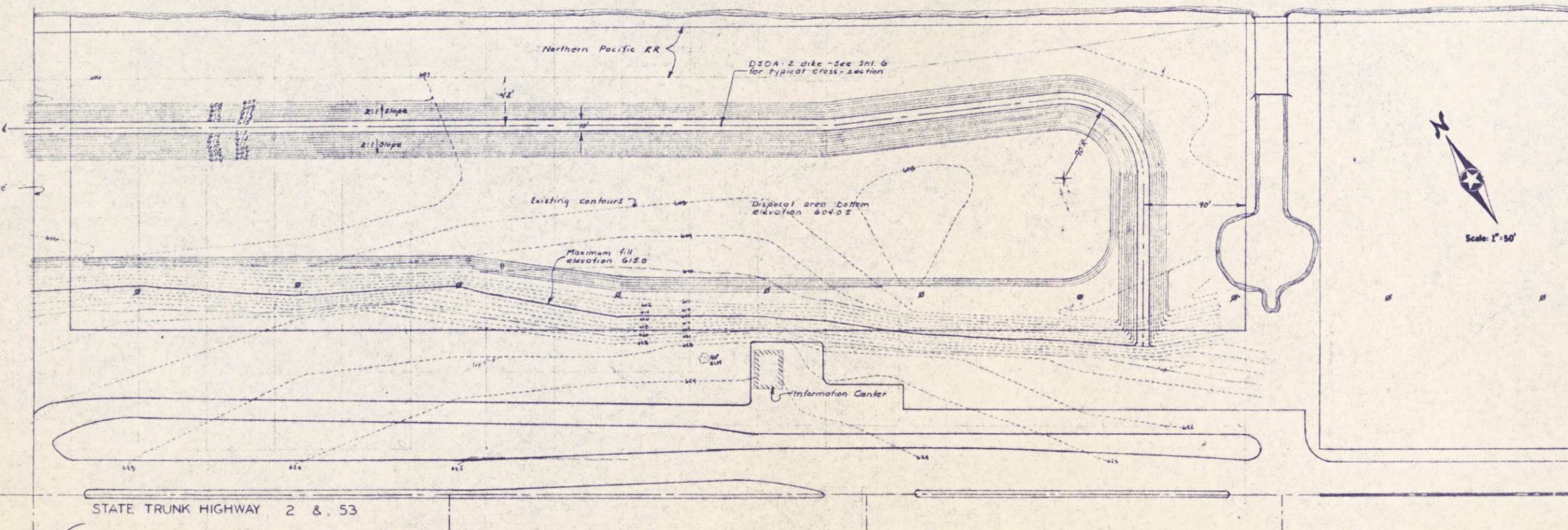
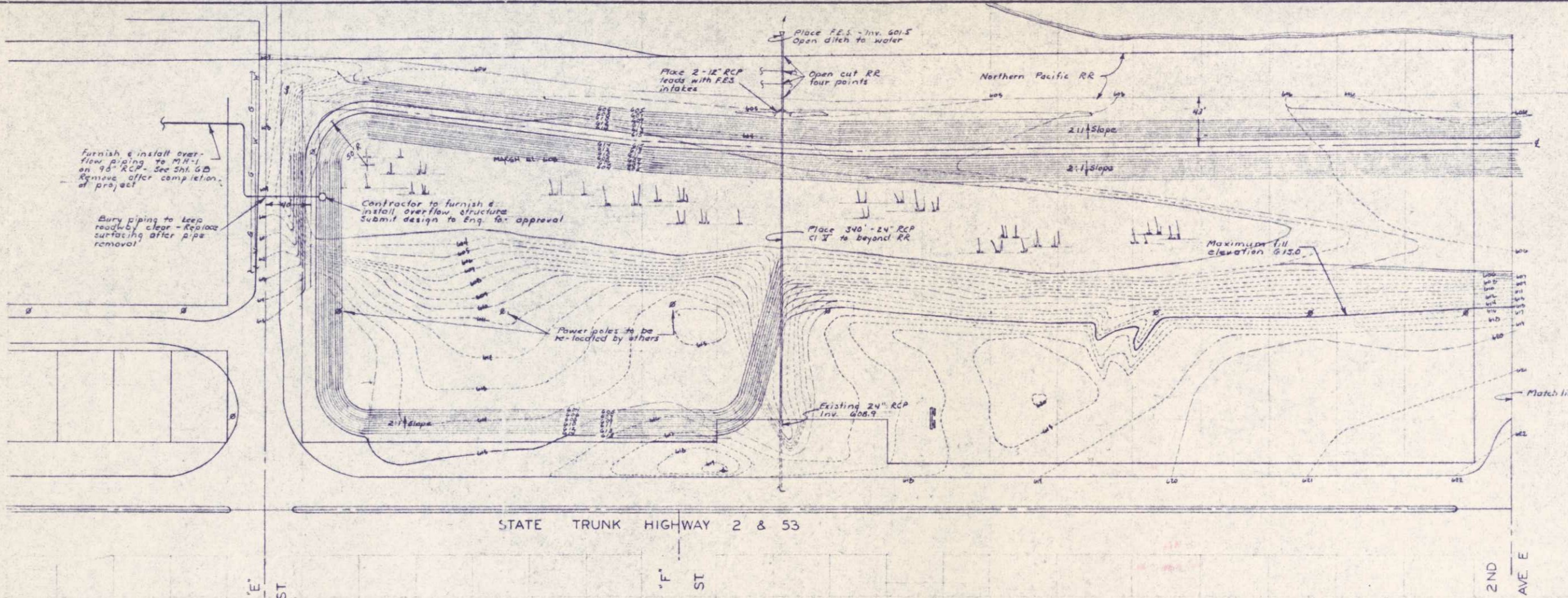
DREDGE SPOIL DISPOSAL AREA "1"  
BASE BID



TYPICAL DIKE CROSS-SECTION  
DREDGE SPOIL DISPOSAL AREA "2"  
ALTERNATE GA  
Scale: 1"=10'

TYPICAL DIKE CROSS-SECTION  
DREDGE SPOIL DISPOSAL AREA "1"  
BASE BID  
Scale: 1"=10'





I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.  
 DATE Dec 29 '75 REG. NO. E12927 *Richard E. Janner*

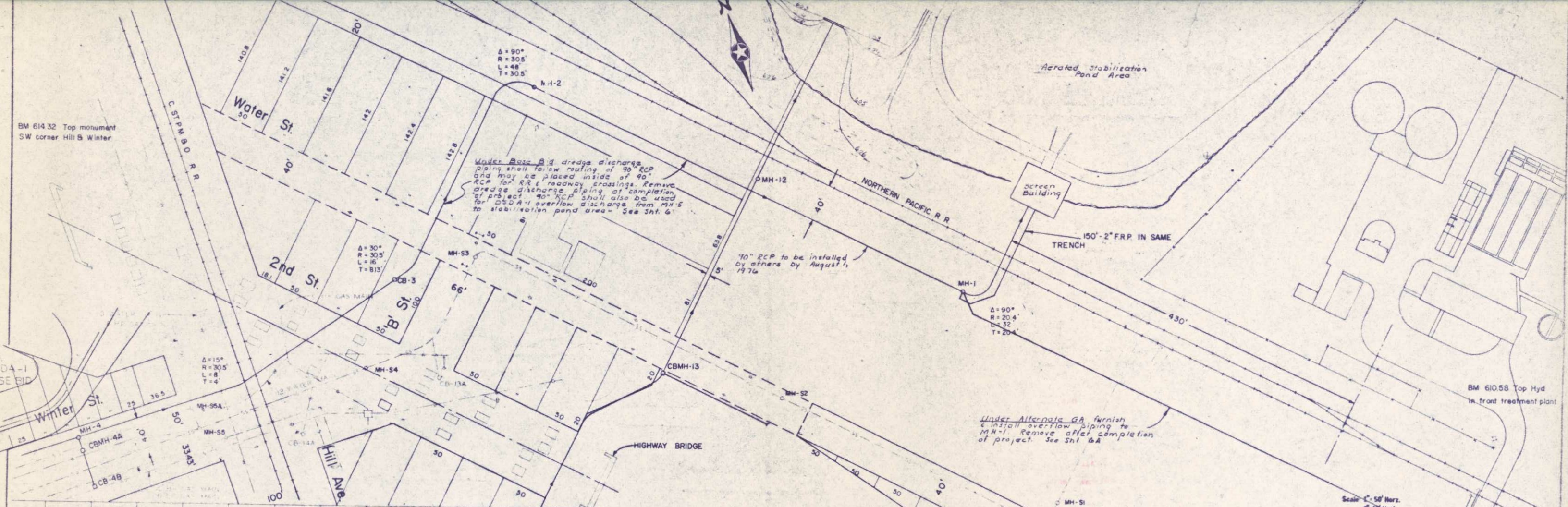
REVISIONS	
SURVEY	RJ
DRAWN	KA
CHECKED	ST
APPROVED	RT

**DONESTRO, ROSENE, ANDERLIK & ASSOC., INC.**  
 ST. PAUL, MINNESOTA

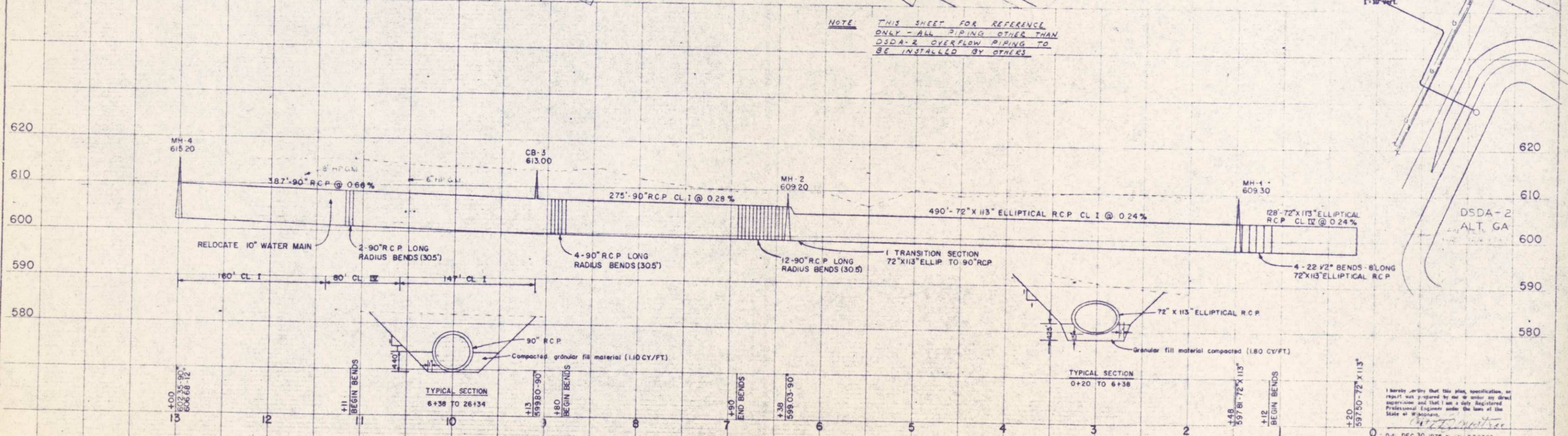
**SUPERIOR, WISCONSIN**  
 DATE: DECEMBER 29, 1975 COMM 6888F

**DREDGE SPOIL DISPOSAL AREA**  
 ALTERNATE GA

BM 614.32 Top monument  
SW corner Hill & Winter

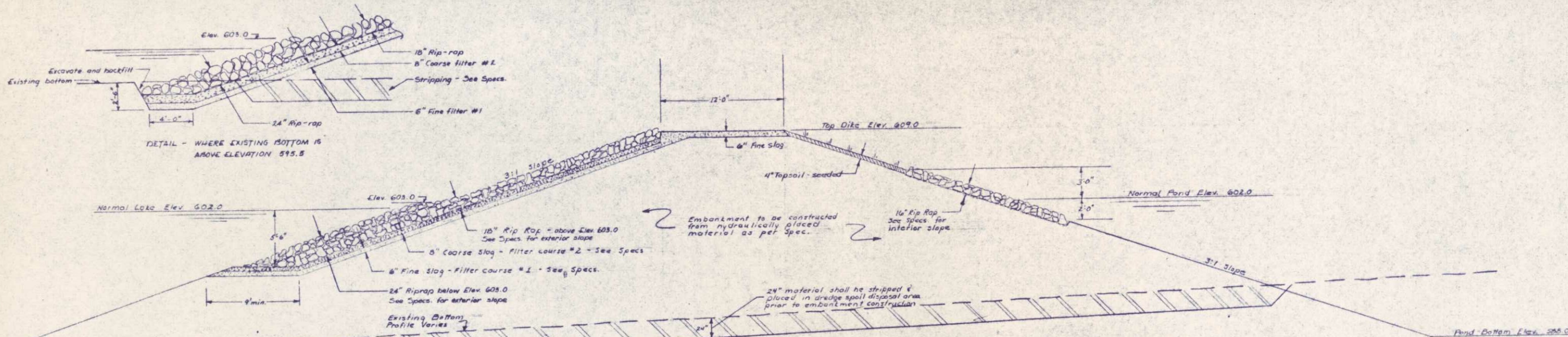


**NOTE:** THIS SHEET FOR REFERENCE ONLY - ALL PIPING OTHER THAN DSDA-2 OVERFLOW PIPING TO BE INSTALLED BY OTHERS

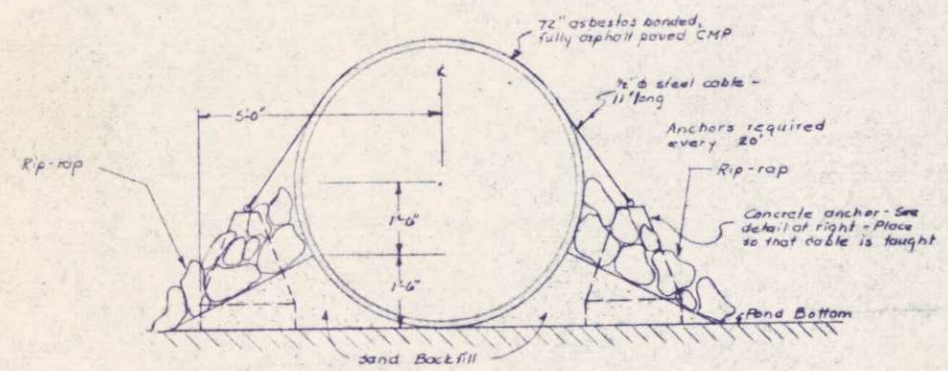


I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Wisconsin.

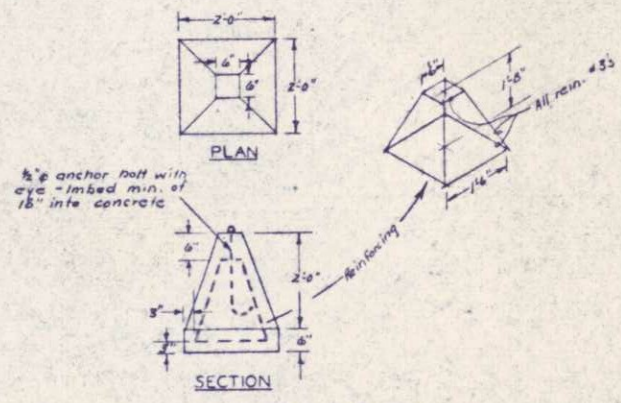
Date: DEC 30 1975



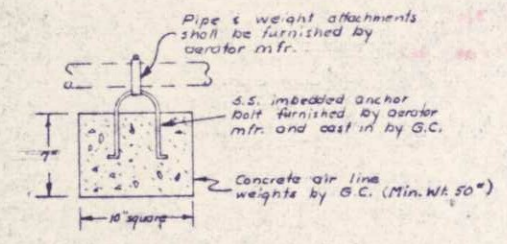
DIKE TYPICAL CROSSSECTION  
Scale: 1" = 5'-0"



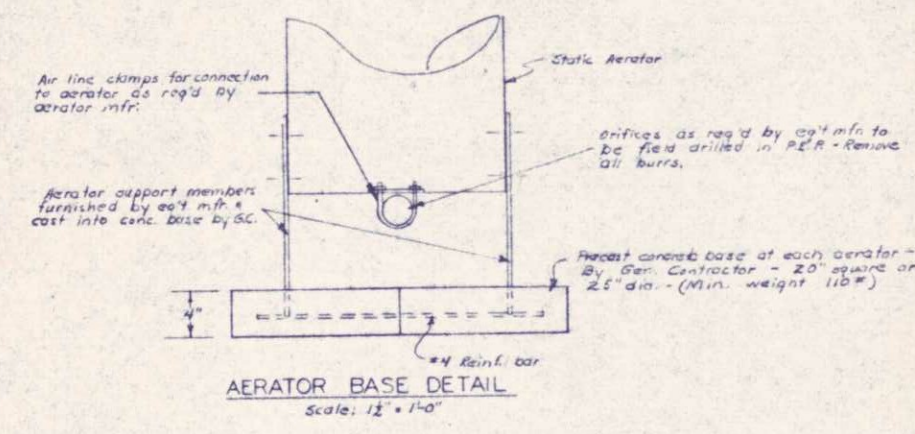
OUTFALL PIPE SECTION A-A  
Scale: 1/2" = 1'-0"



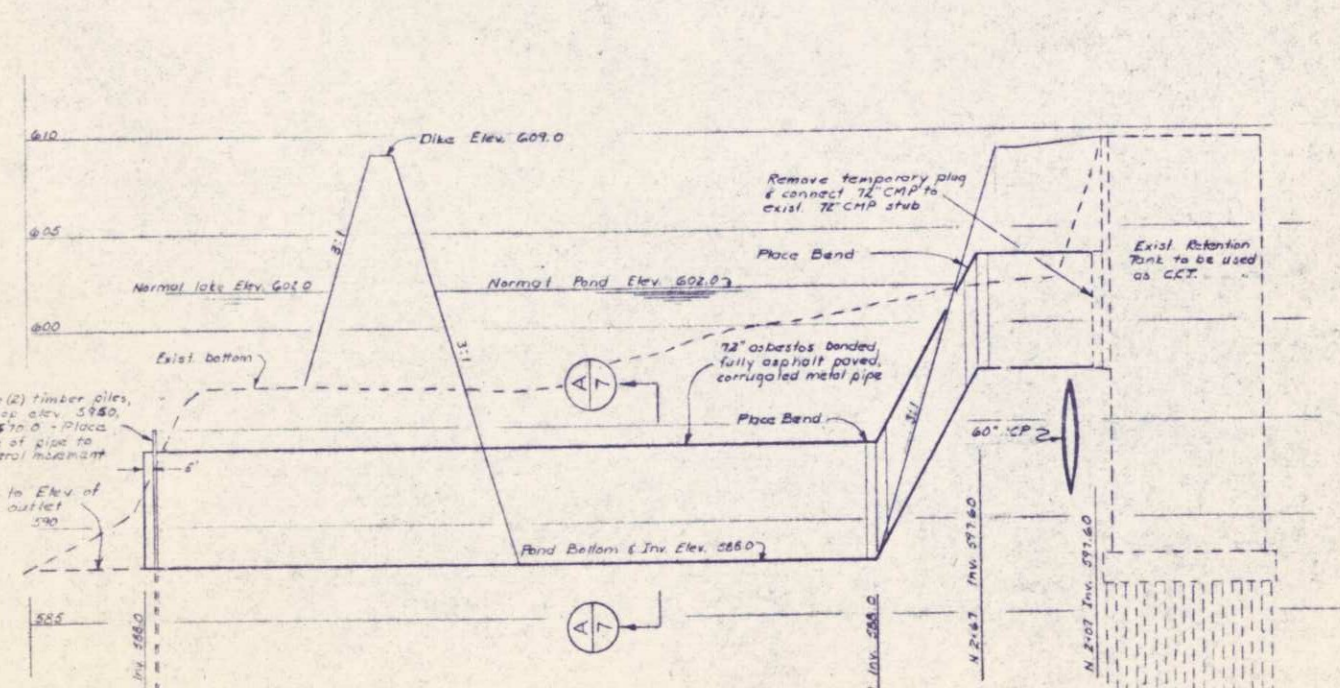
OUTFALL PIPE ANCHOR  
Scale: 1/2" = 1'-0"



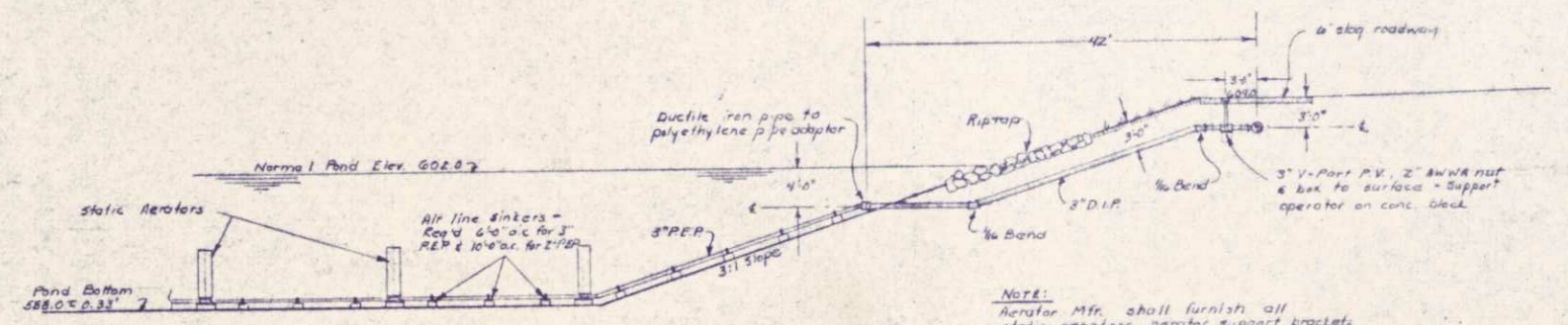
AIR LINE SINKER DETAIL



AERATOR BASE DETAIL  
Scale: 1/2" = 1'-0"



OUTFALL PIPE PROFILE  
Scale: Horiz. 1" = 50'  
Vert. 1" = 5'

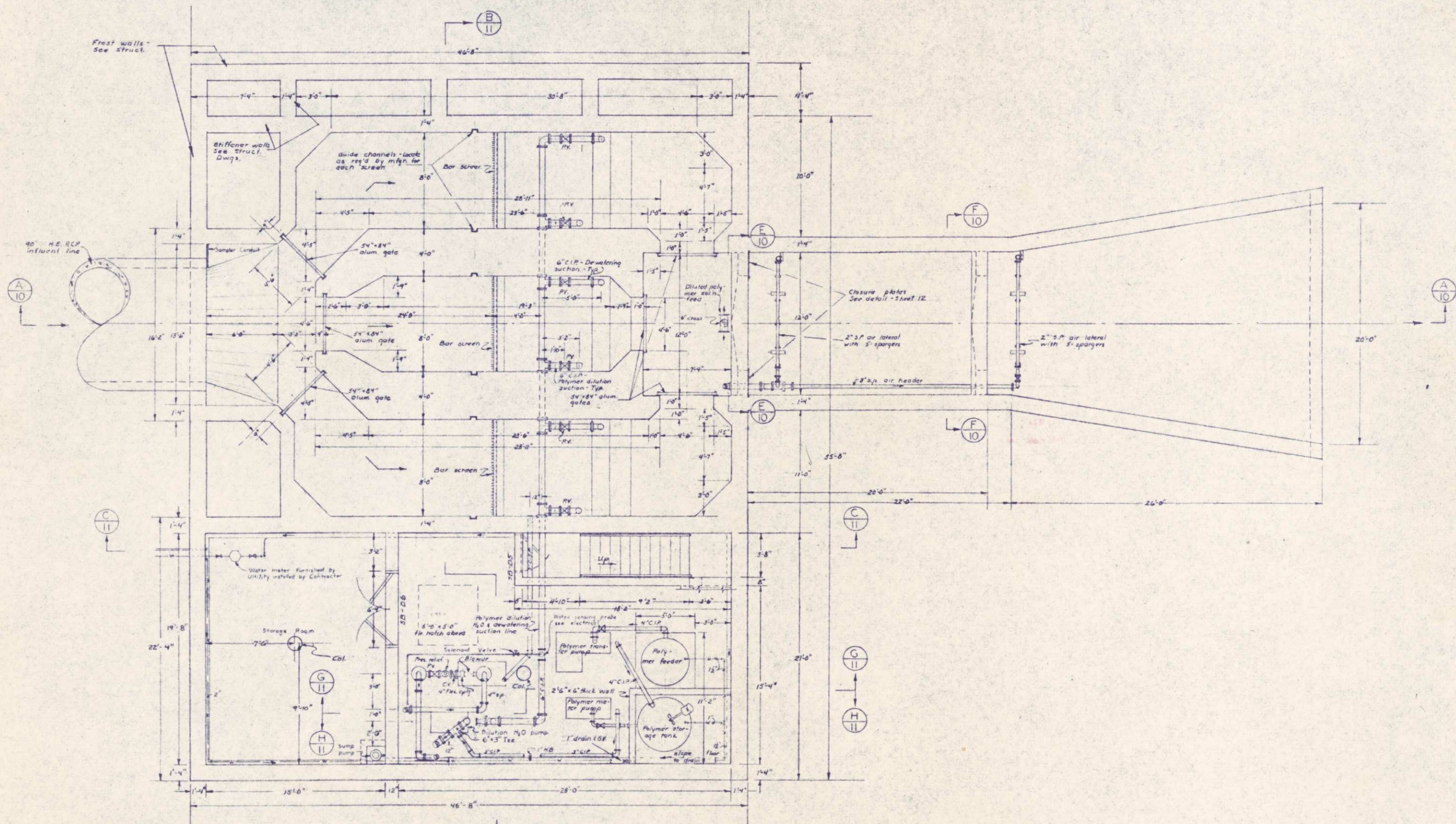


TYPICAL AIR LATERAL DETAIL  
Scale: 1" = 10'

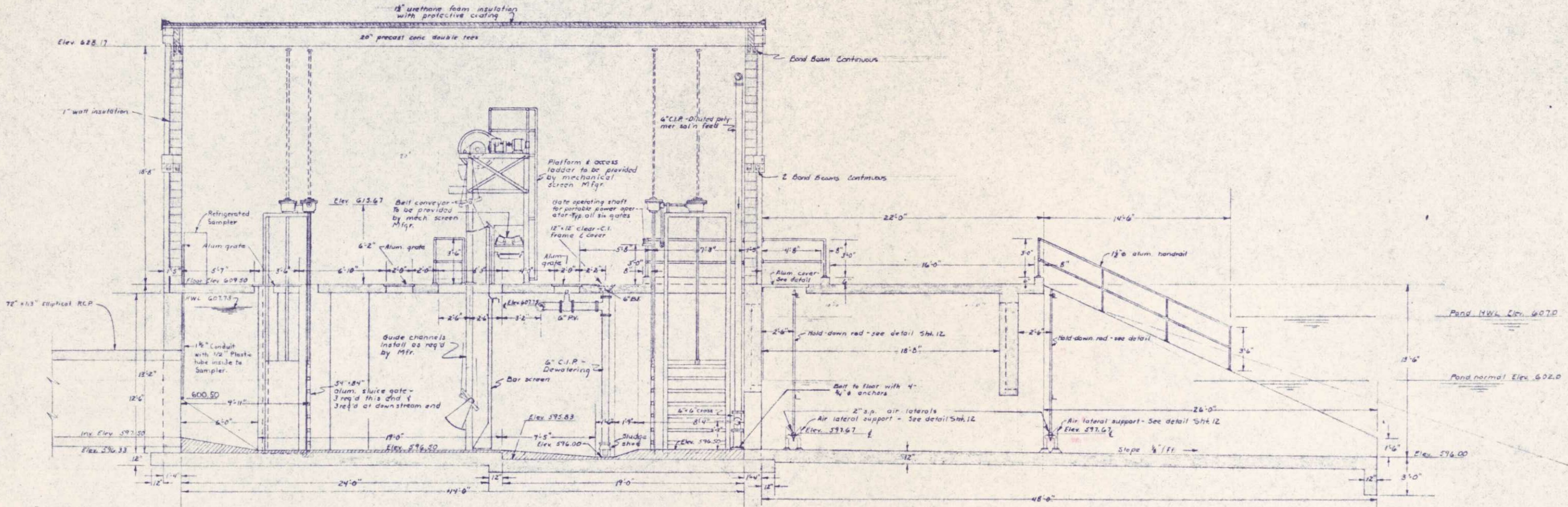
NOTE:  
Aerator Mfr. shall furnish all static aerators, aerator support brackets, PEP pipe, PEP to D.I.P. adapters, PEP couplings, air pipe sinker hardware & related items. Contractor shall furnish all other items including pre-cast air line sinkers, pre-cast aerator bases & installation of all items including field drilling of air orifices.



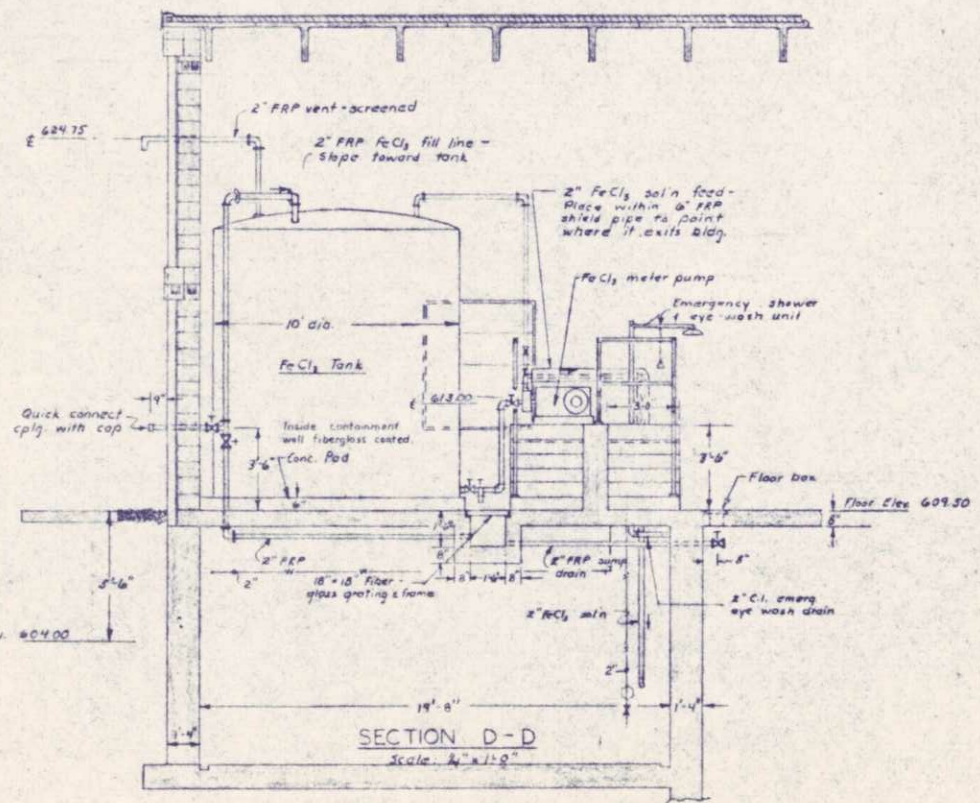




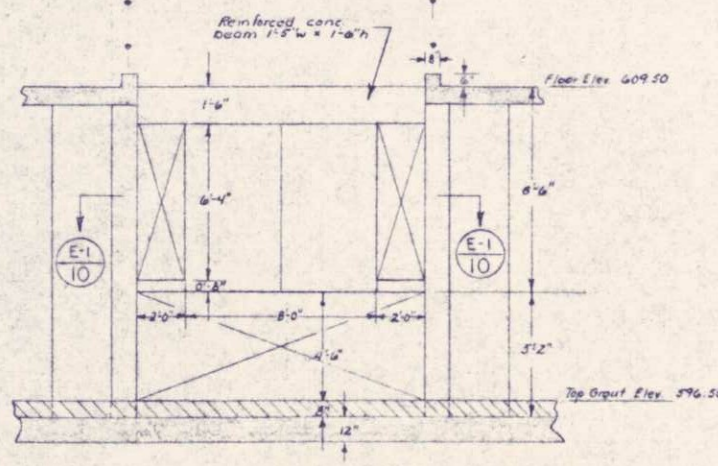
**SCREEN BUILDING**  
 PLAN BELOW OPERATING FLOOR LEVEL  
 Scale: 1/4" = 1'-0"



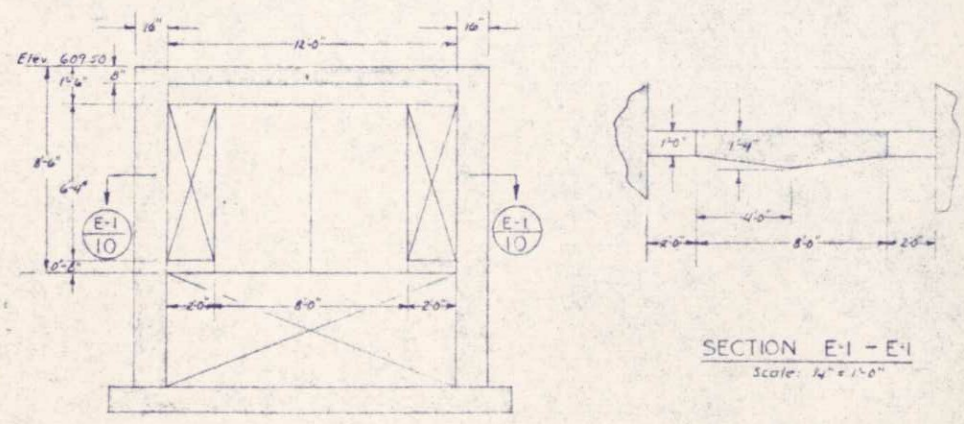
SECTION A-A  
Scale: 1/4" = 1'-0"



SECTION D-D  
Scale: 1/4" = 1'-0"



SECTION E-E  
Scale: 1/4" = 1'-0"



SECTION F-F  
Scale: 1/4" = 1'-0"

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.  
DATE: FEB 5, 1975  
E.O. 66599

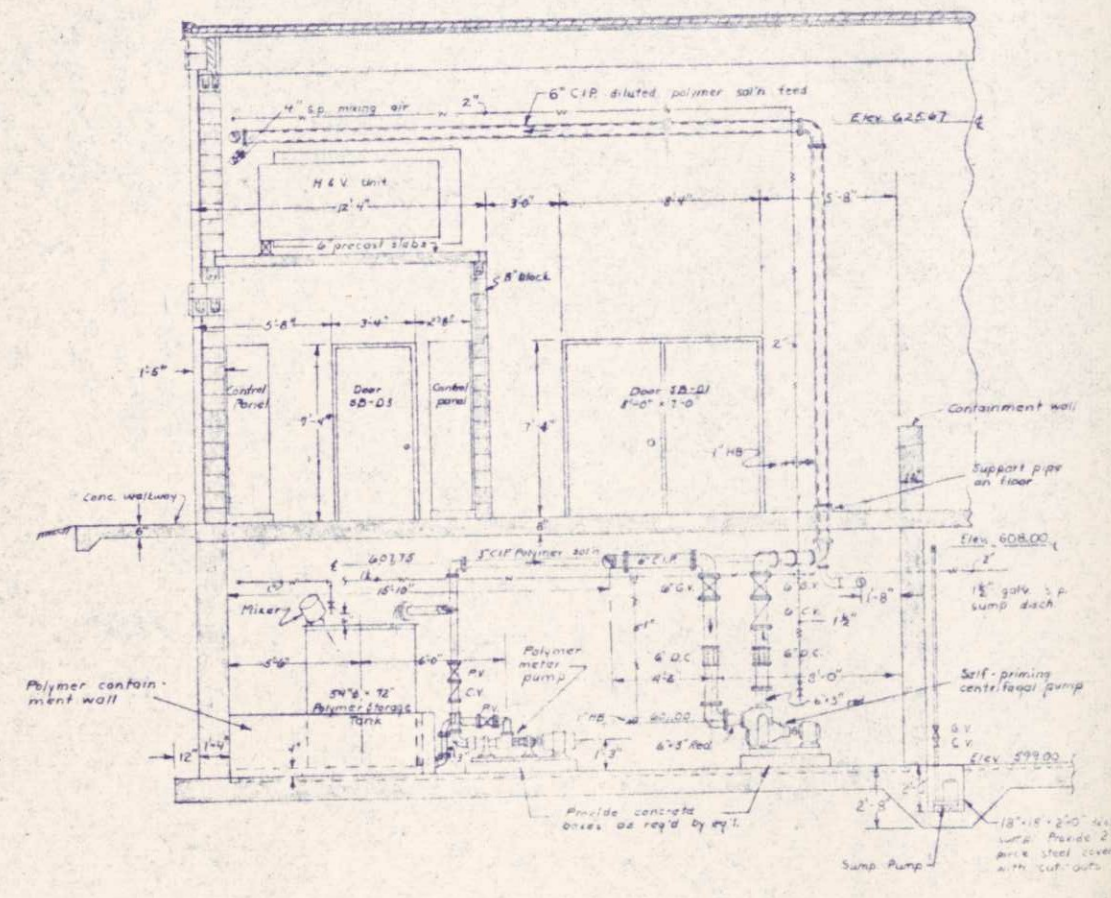
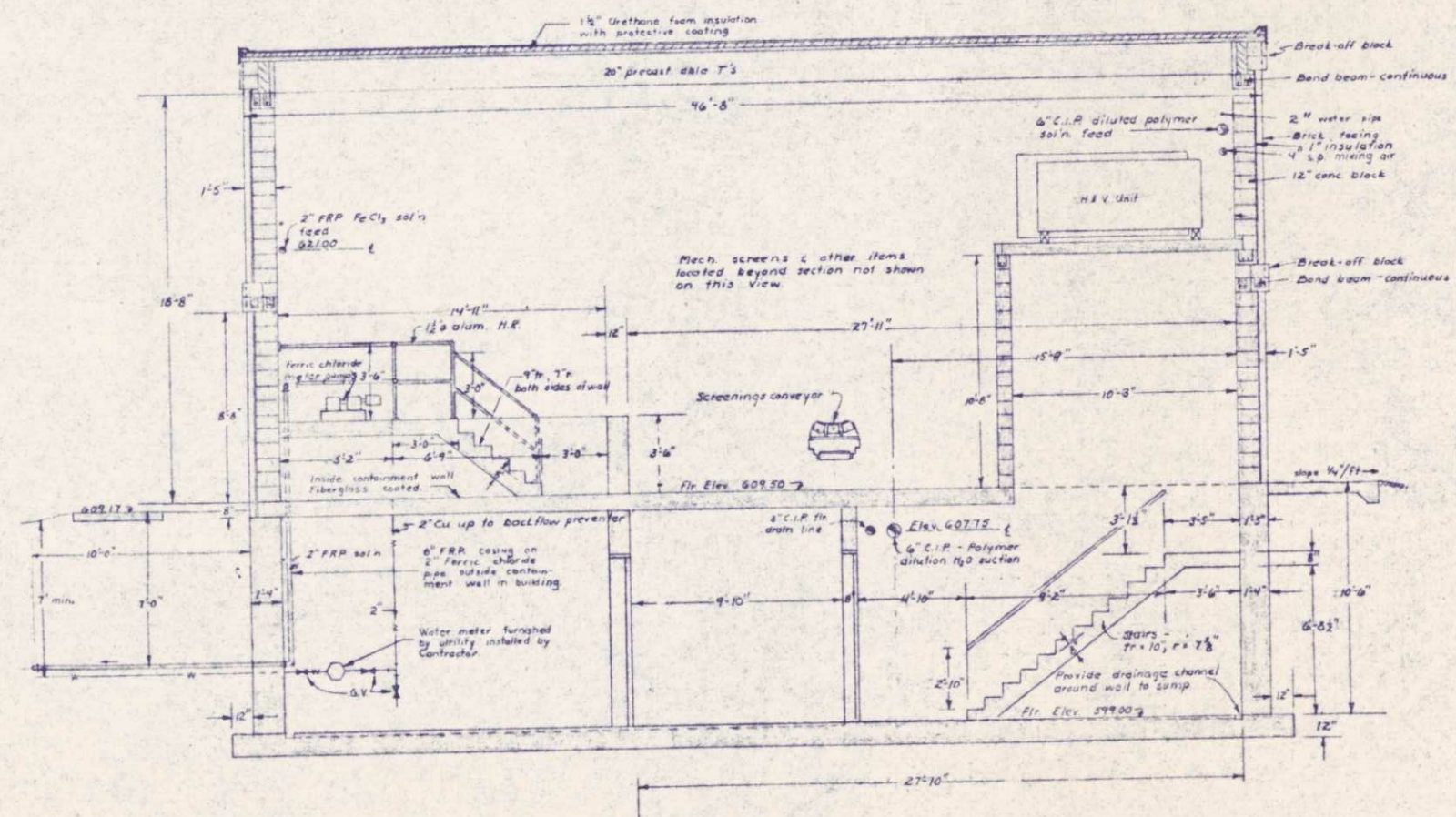
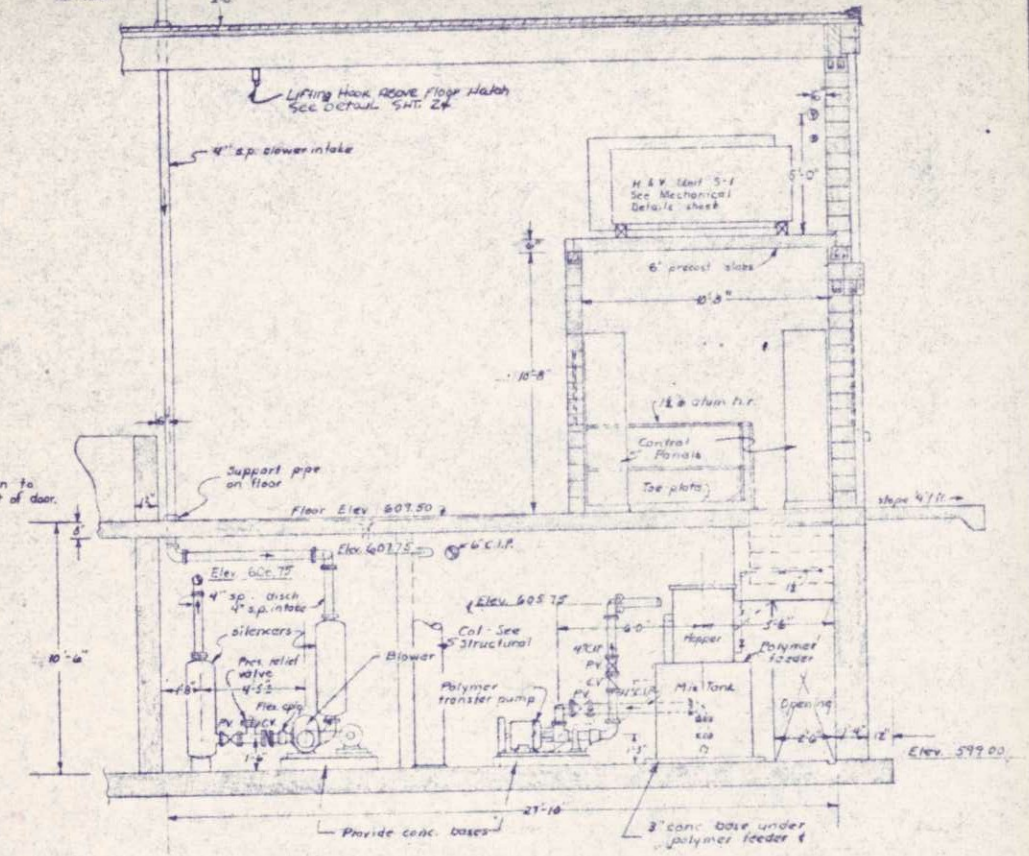
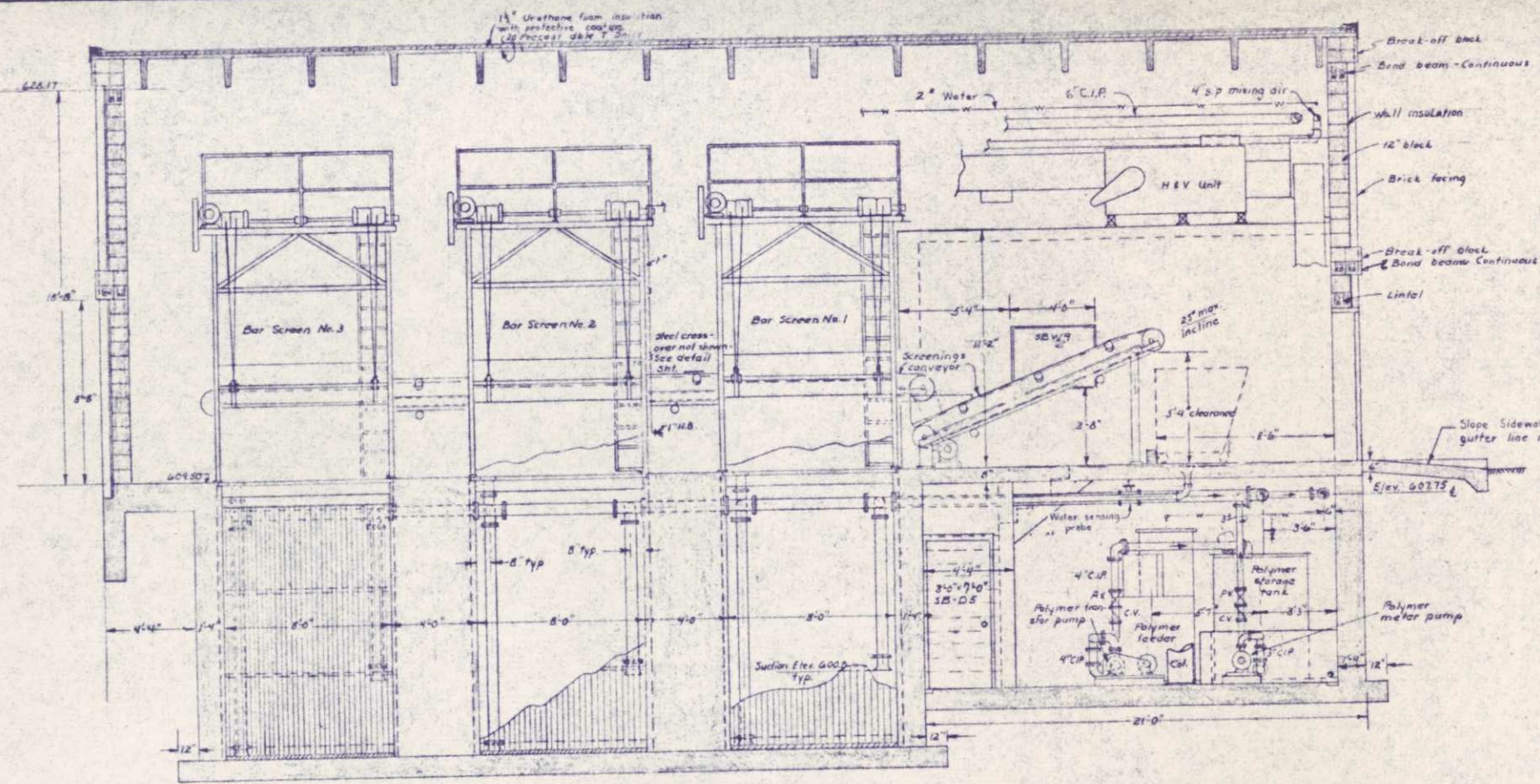
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DRAWN: [ ]  
DESIGN: [ ]  
APPROVED: [ ]

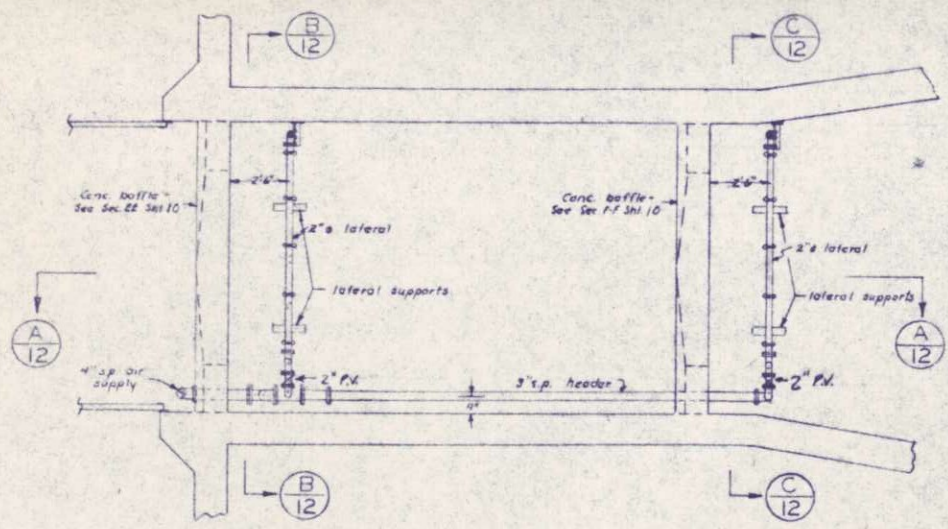
BONESTROO, ROSENE, ANDERLIK & ASSOC., INC.  
ST. PAUL, MINNESOTA

SUPERIOR, WISCONSIN  
DATE: JAN. 3, 1975  
GDMM 6888 F

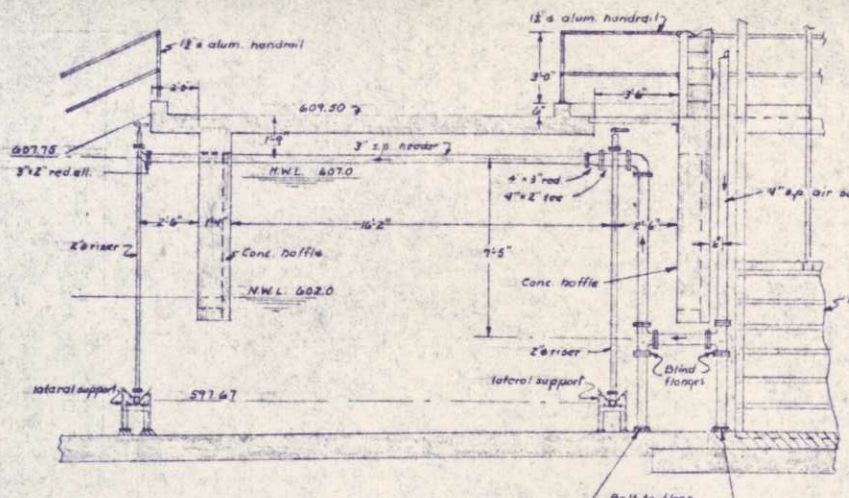
C. S. O. PLANT - DISTRICT 2  
SCREEN BUILDING SECTIONS

10/53

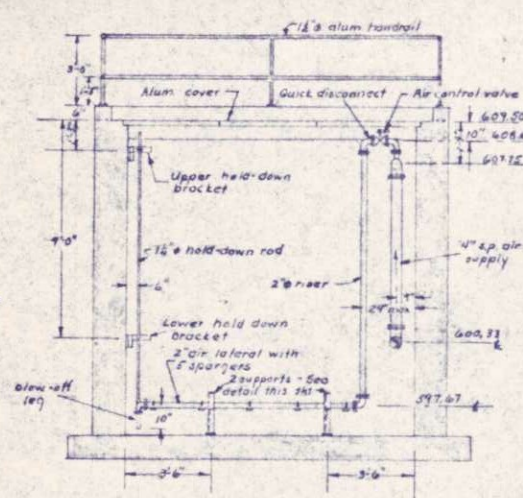




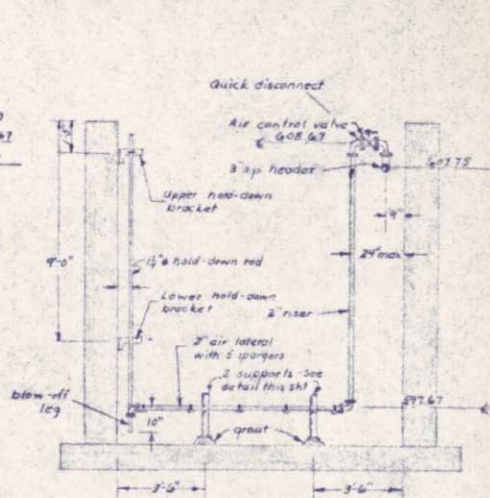
**AIR PIPING PLAN**  
Scale: 1/4" = 1'-0"



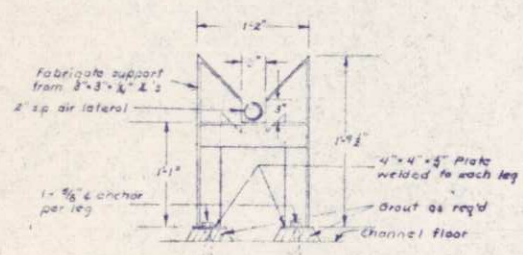
**SECTION A-A**  
Scale: 1/4" = 1'-0"



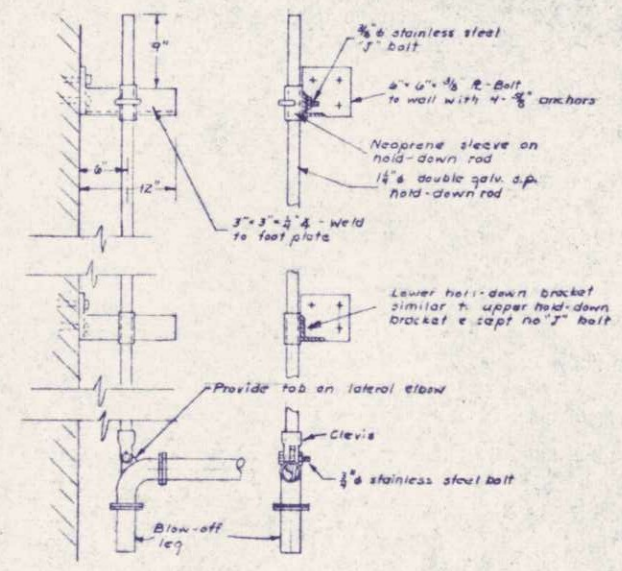
**SECTION B-B**  
Scale: 1/4" = 1'-0"



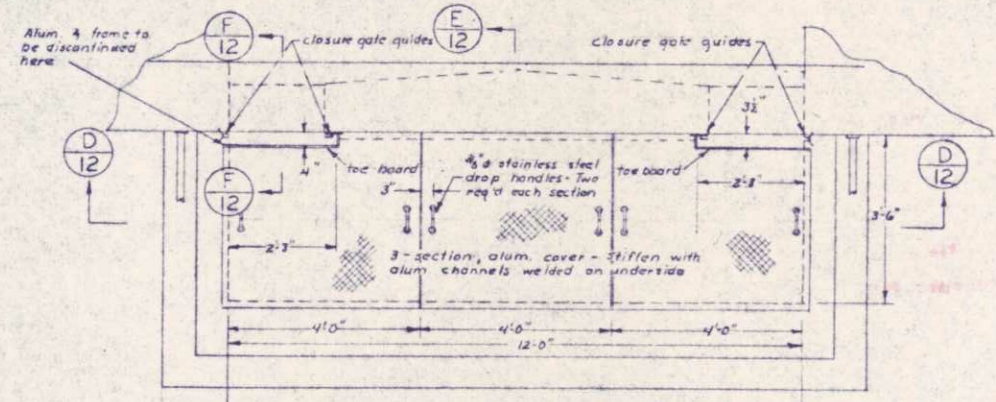
**SECTION C-C**  
Scale: 1/4" = 1'-0"



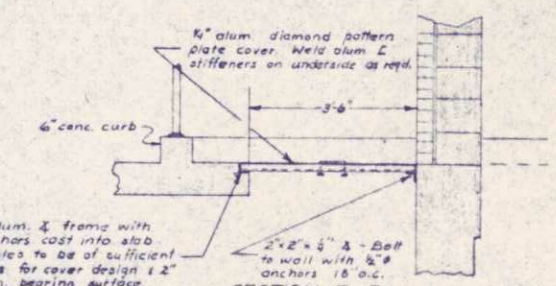
**LATERAL SUPPORT DETAIL**  
Scale: 1" = 1'-0"



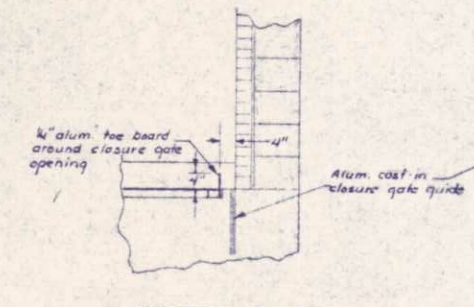
**HOLD-DOWN ROD DETAILS**  
Scale: 1" = 1'-0"



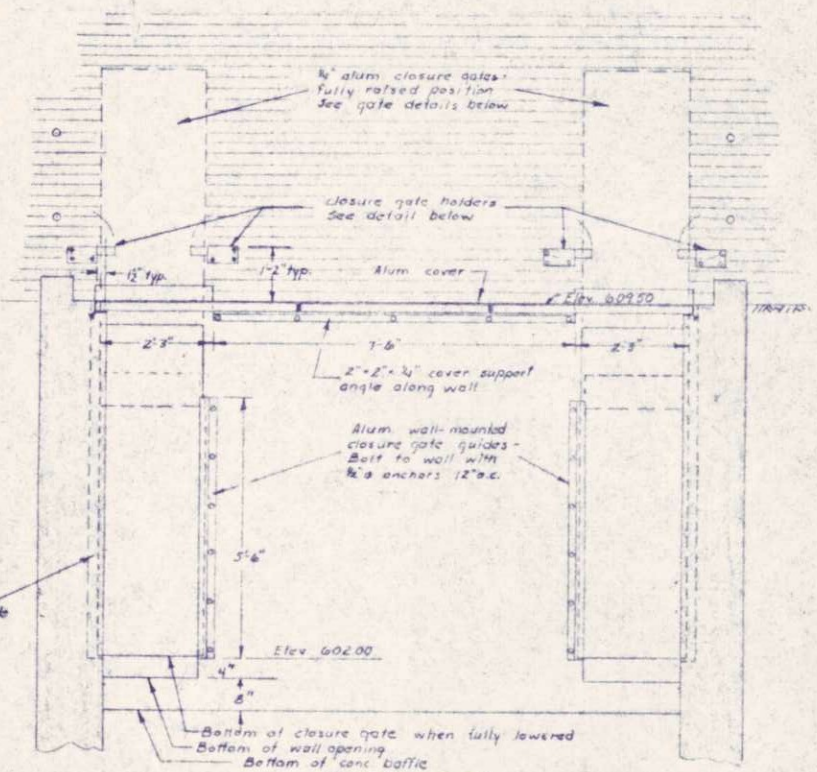
**PLAN**  
Scale: 1/2" = 1'-0"



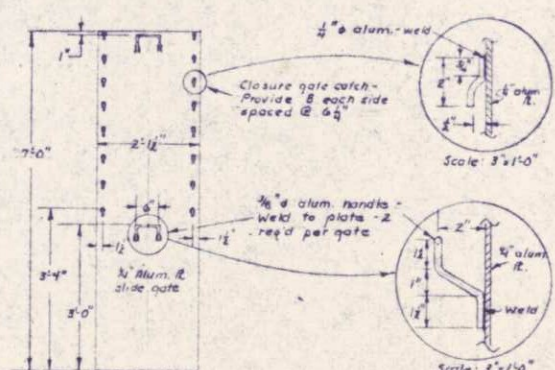
**SECTION E-E**  
Scale: 1/2" = 1'-0"



**SECTION F-F**  
Scale: 1/2" = 1'-0"

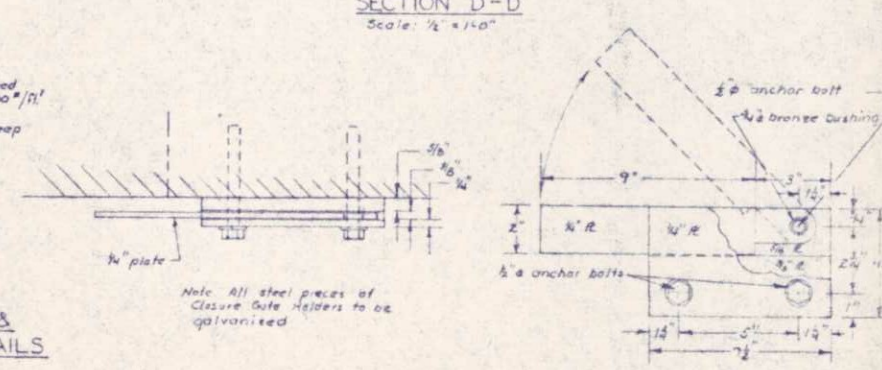


**SECTION D-D**  
Scale: 1/2" = 1'-0"



**CLOSURE GATE DETAILS - 2 REQ'D**  
Scale: 3/4" = 1'-0"

**COVER AND CLOSURE GATE NOTES:**  
1. Aluminum cover to be designed for a minimum loading of 100#/ft.  
2. Closure gate guides shall be aluminum with 1/2" wide x 1/4" deep slot.



**CLOSURE GATE HOLDER DETAILS - 4 REQ'D**  
Scale: 3/4" = 1'-0"

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF IT COMplies WITH ALL THE REQUIREMENTS OF THE STATE OF WISCONSIN.  
DATE FEB 5, 1975 SEE 53 E06599

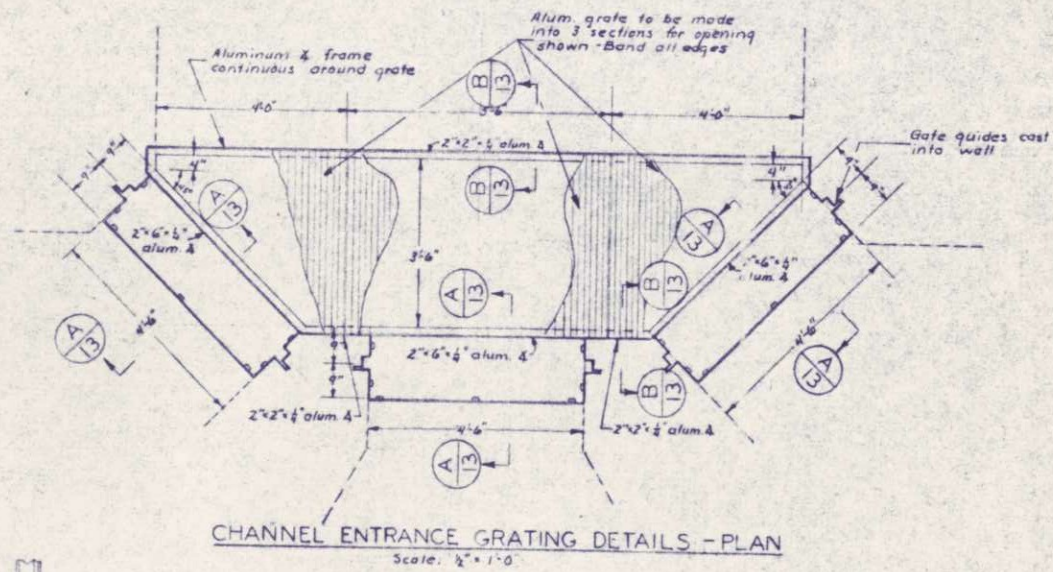
*John J. Broun*

NO.	DATE	BY	REVISIONS
1			
2			
3			
4			
5			

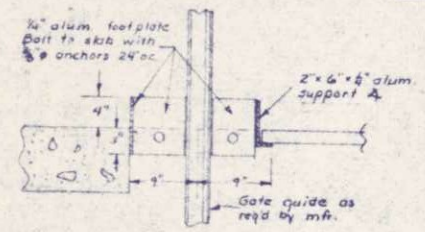
**BONESTRO, ROSENE, ANDERLIK & ASSOC., INC.**  
ST. PAUL, MINNESOTA

**SUPERIOR, WISCONSIN**  
DATE: JAN 3, 1975  
DRAWN: 6888 F

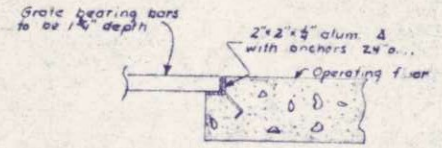
**C. S. O. PLANT - DISTRICT 2**  
SCREEN BUILDING DETAILS



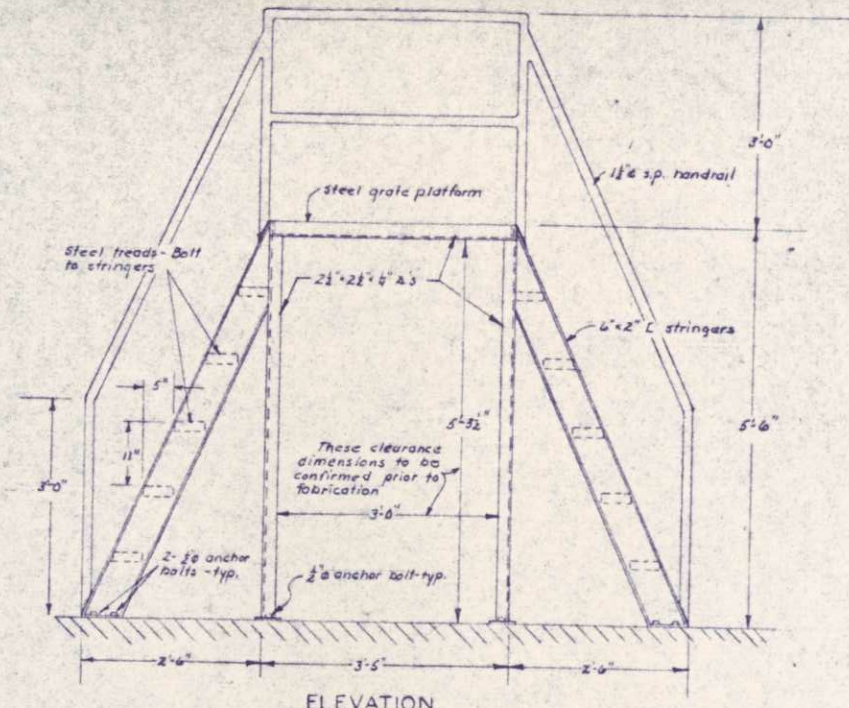
CHANNEL ENTRANCE GRATING DETAILS - PLAN  
Scale: 1/2" = 1'-0"



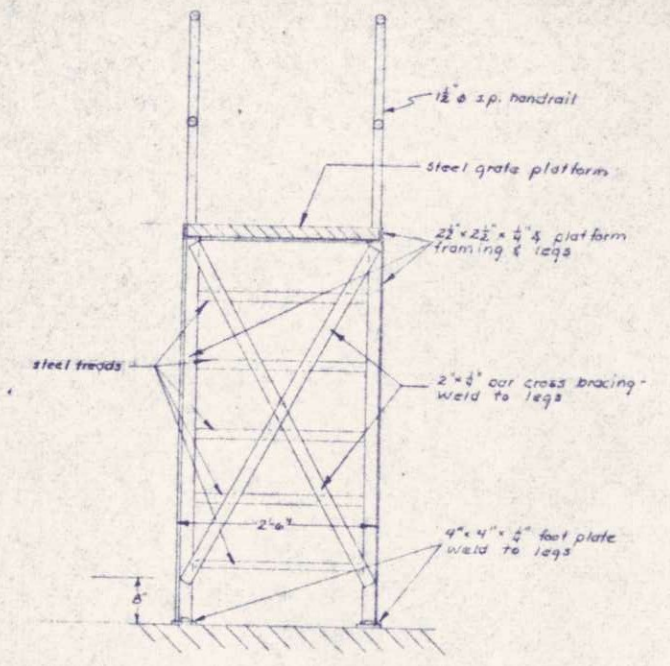
SECTION A-A  
Scale: 1" = 1'-0"



SECTION B-B  
Scale: 1" = 1'-0"

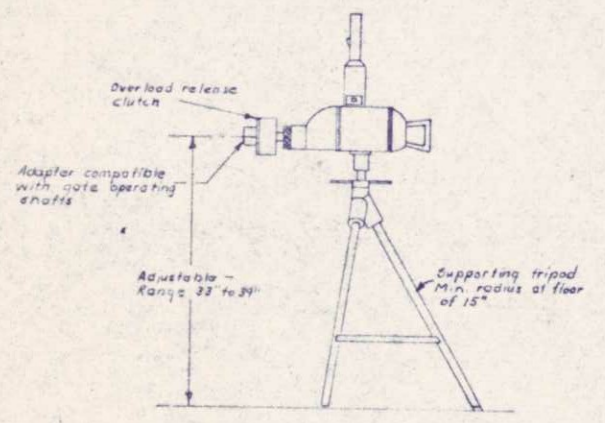


ELEVATION

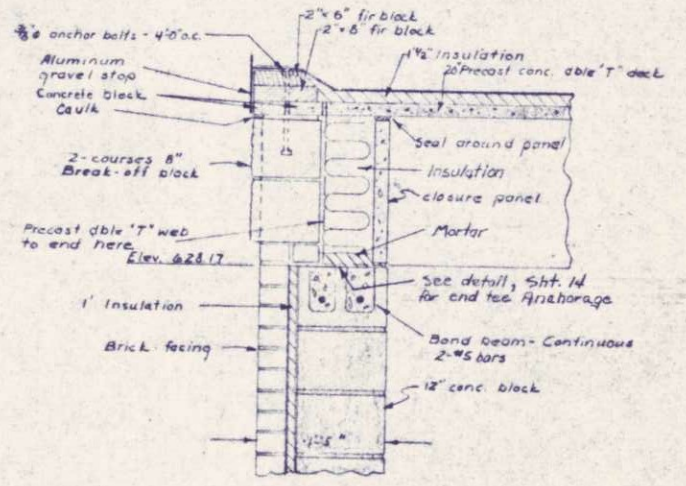


SECTION

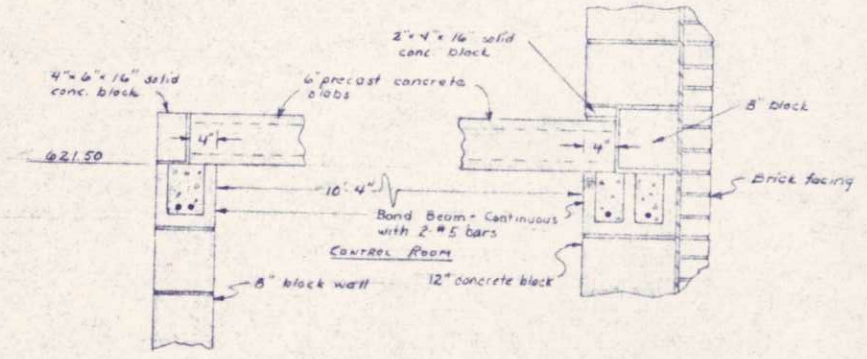
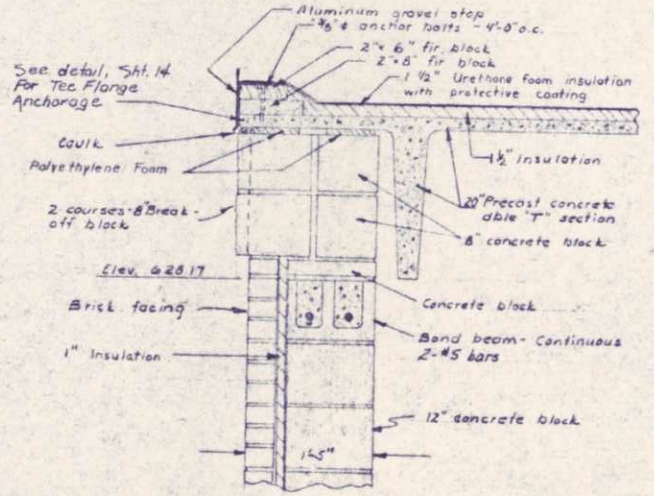
STEEL CROSS-OVER DETAILS  
Scale: 3/4" = 1'-0"



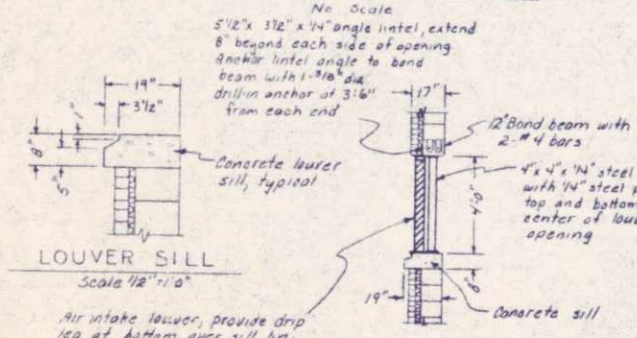
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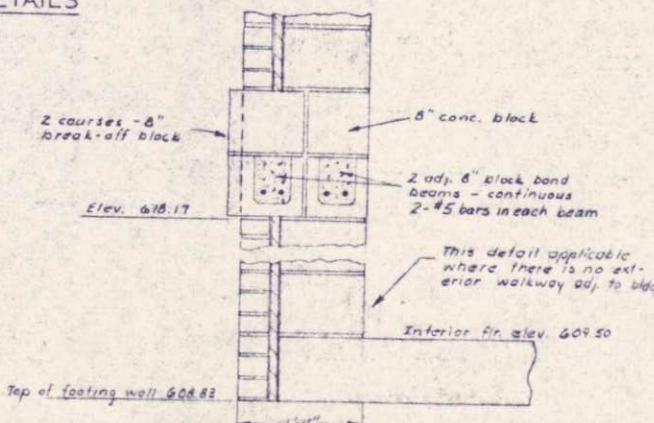
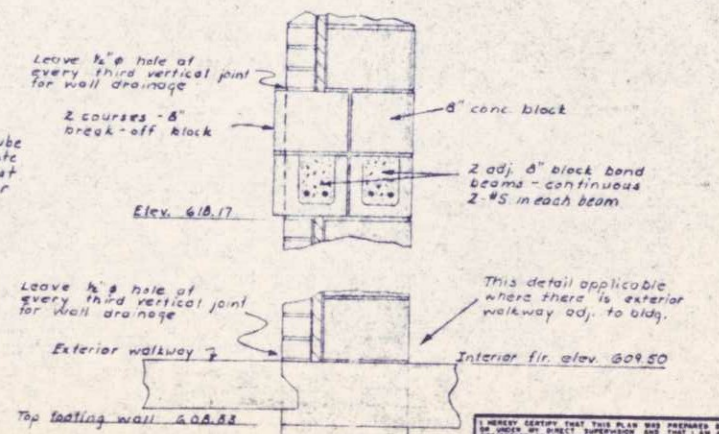
FACIA AND WALL DETAILS  
Scale: 1" = 1'-0"



CONTROL ROOM CEILING DETAILS  
Scale: 1" = 1'-0"



INTAKE LOUVER DETAIL  
Scale: 1/4" = 1'-0"



NEVER COPY THIS PLAN OR PREPARED BY ME OR UNDER MY SUPERVISION OR THAT OF ANY OTHER PROFESSIONAL ENGINEER UNDER THE SEAL OF HIS OFFICE.  
DATE FEB 5, 1975  
E06599

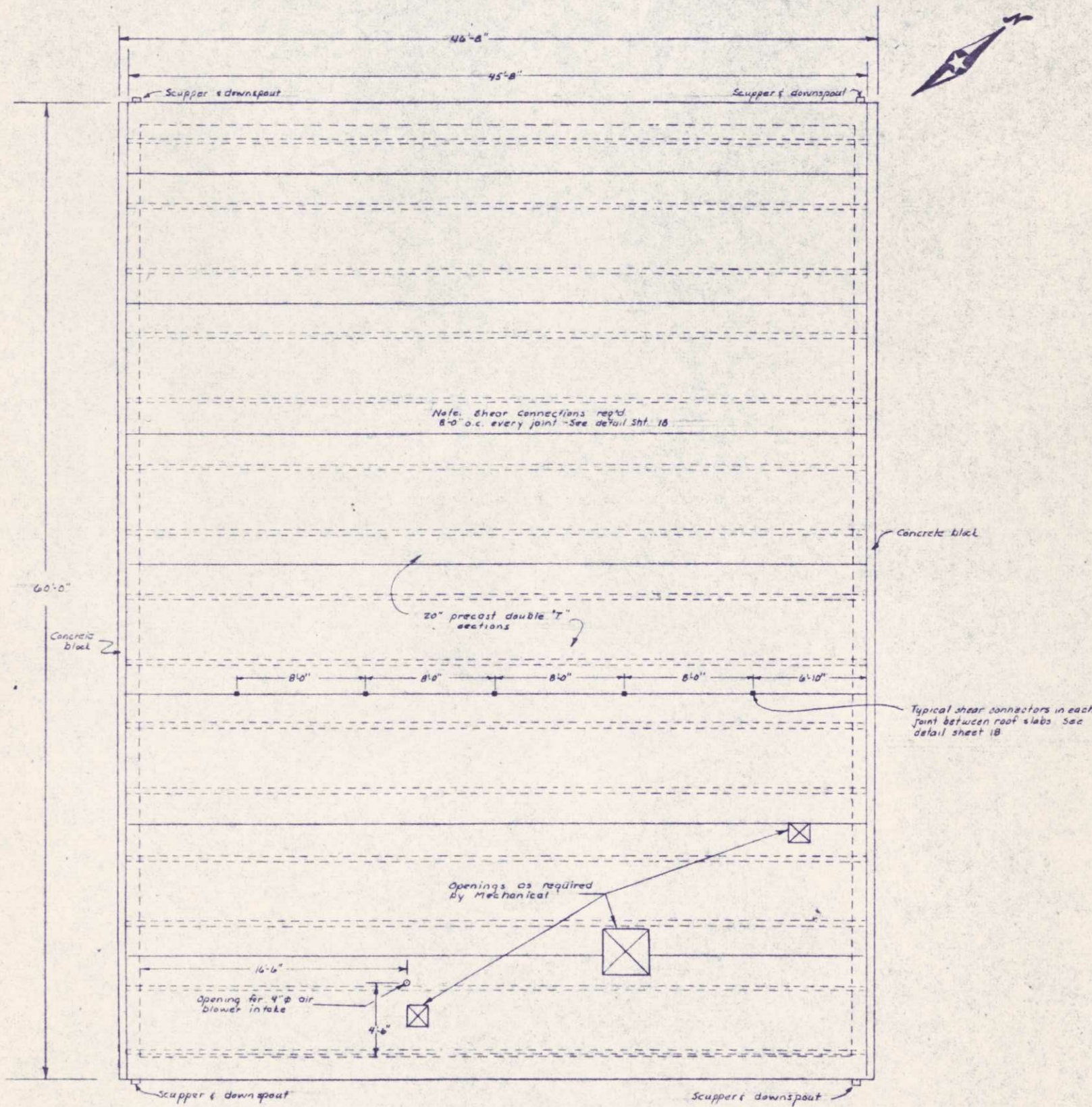
*W. J. Broun*

REVISIONS	DATE	BY	CHKD.

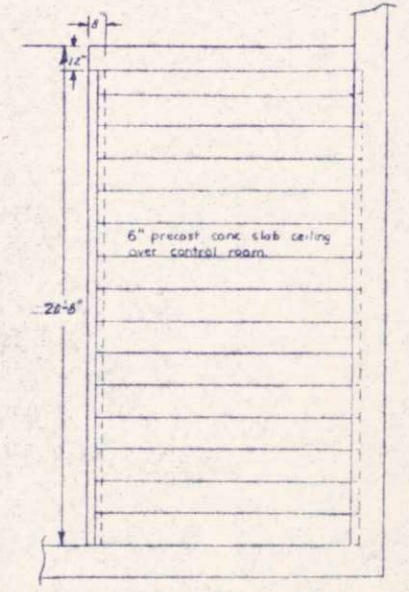
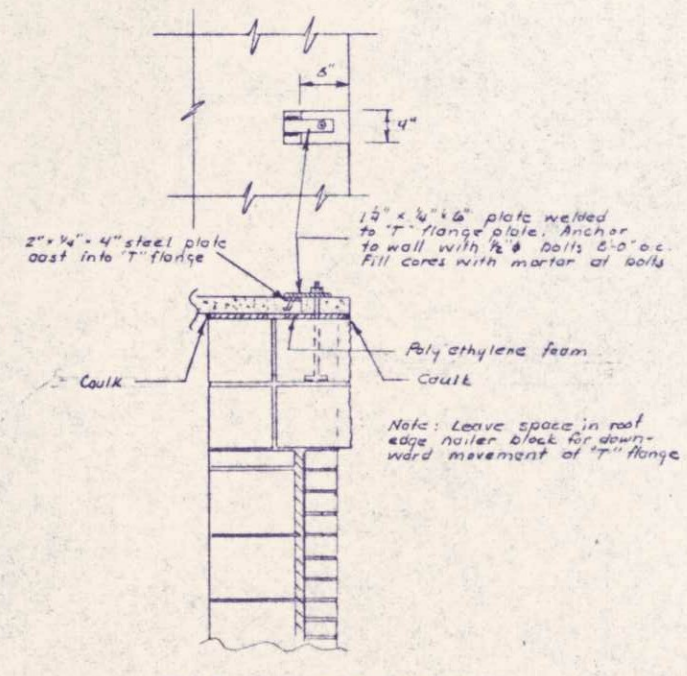
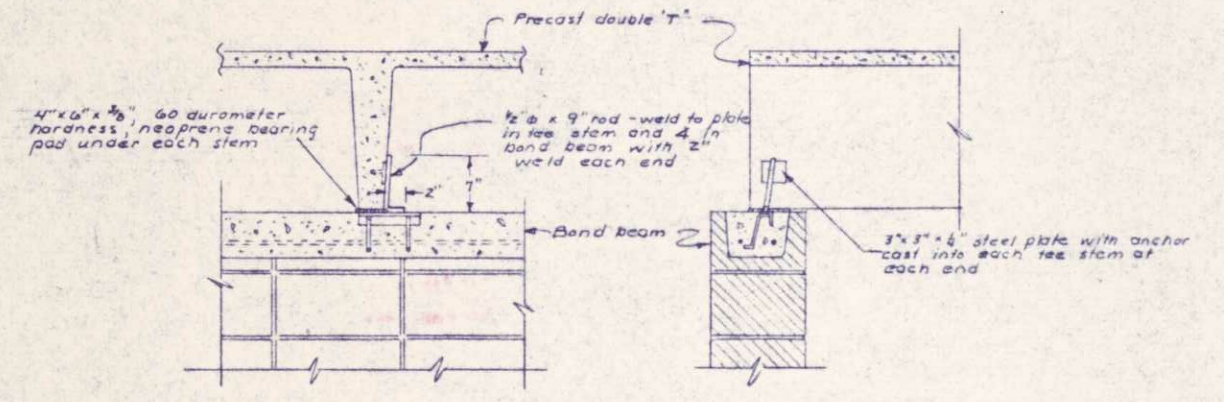
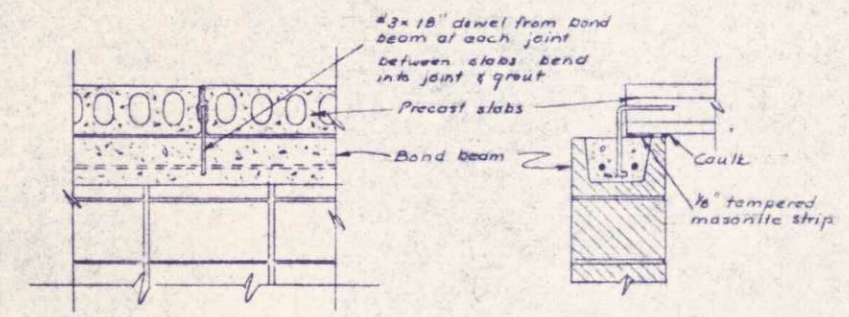
**BONESTRO, ROSENE, ANDERLIK & ASSOC., INC.**  
ST. PAUL, MINNESOTA

**SUPERIOR, WISCONSIN**  
DATE: JAN 3, 1975  
FORM 6888 F

**C. S. O. PLANT - DISTRICT 2**  
**SCREEN BUILDING DETAILS**



**ROOF PLAN**  
**SCREEN BUILDING**  
 Scale 1/4" = 1'-0"



WE HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY CLOSE SUPERVISION AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN  
 DATE: FEB 5, 1975 REG. NO. E06599

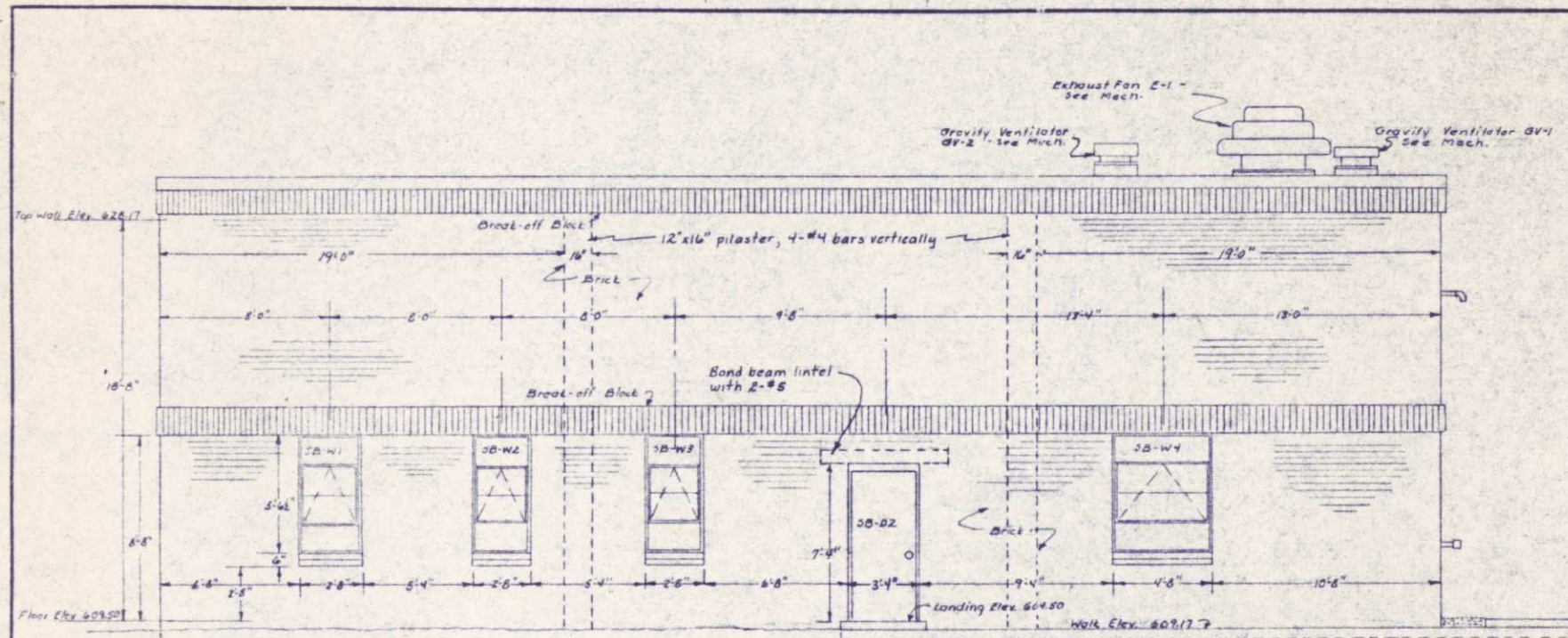
*Otto Houston*

SURVEY	CHKD	REVISIONS
DRAWN	RCB	
CHECKED	RCB	
APPROVED	RCB	

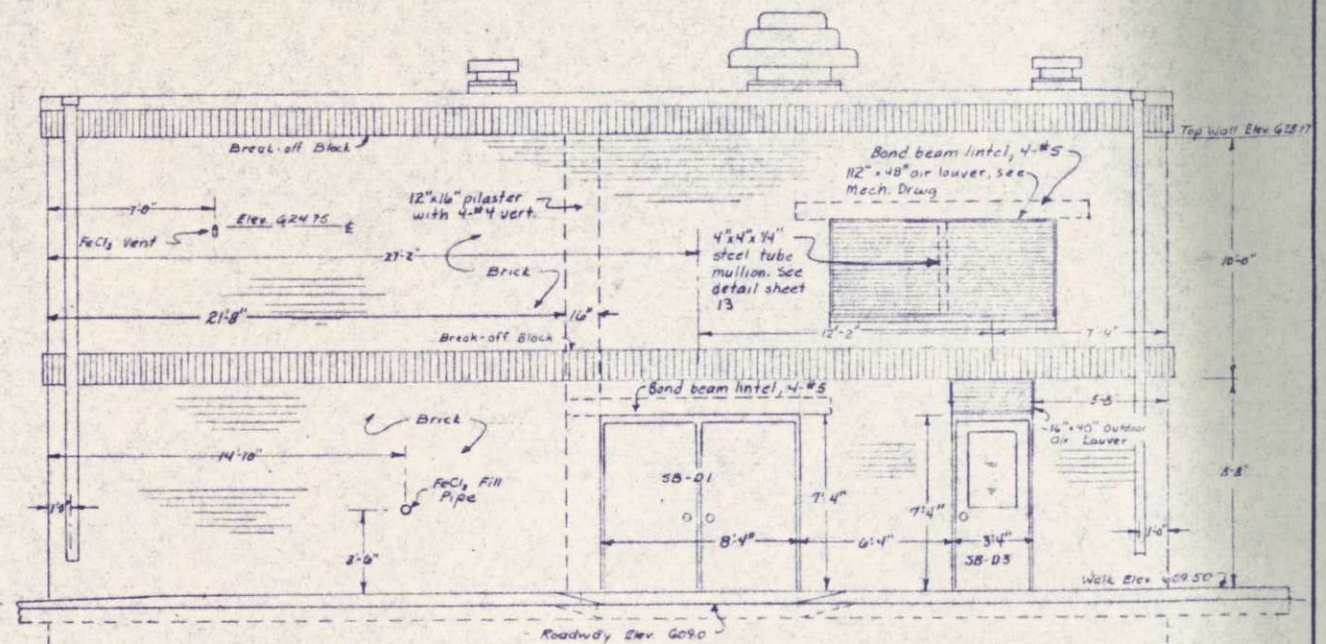
**BONESTRO, ROSENE, ANDERLIK & ASSOC., INC.**  
 ST. PAUL, MINNESOTA

**SUPERIOR, WISCONSIN**  
 DATE: JAN 3, 1975 ODM 6888 F

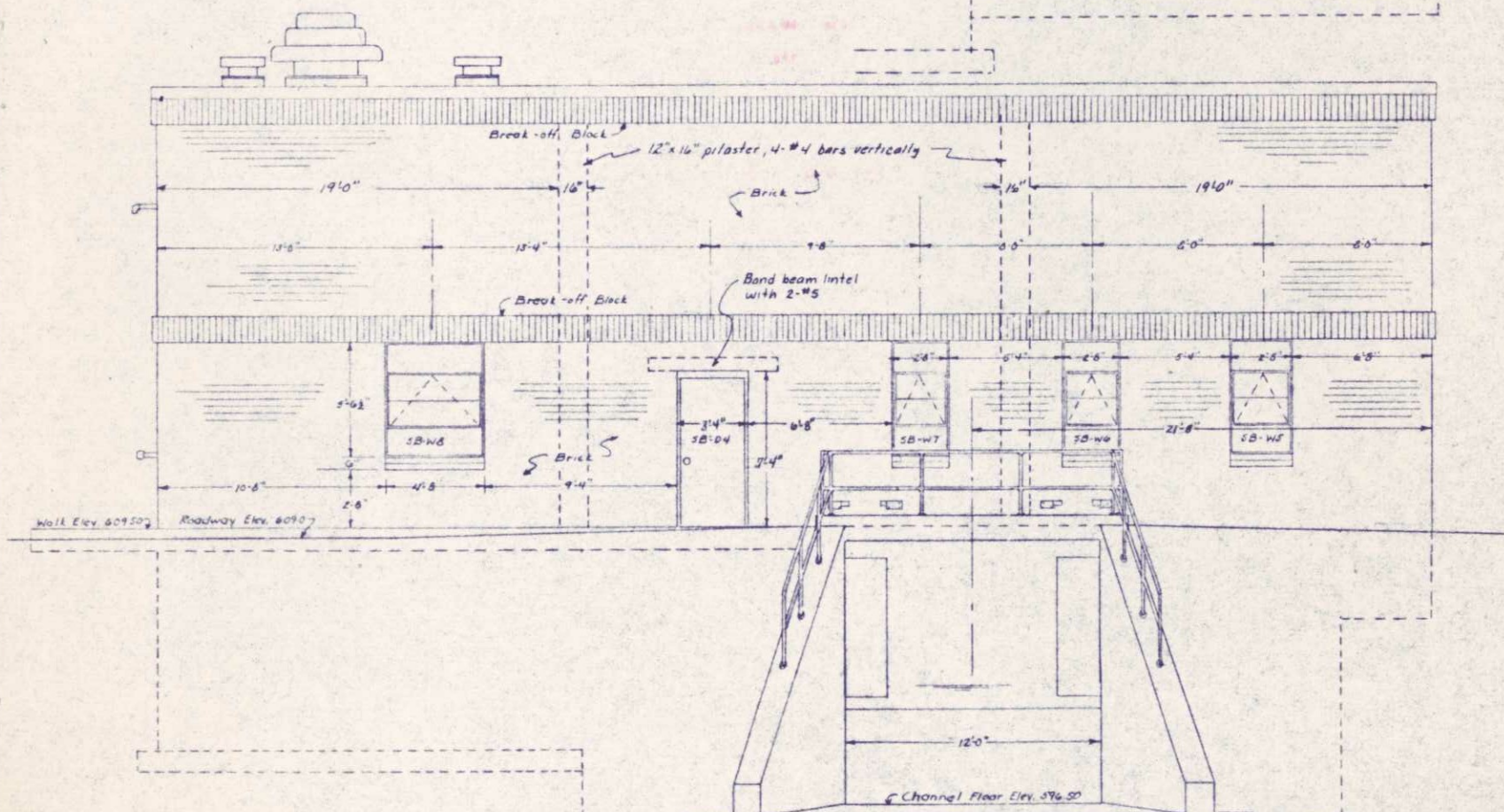
**C.S.O. PLANT-DISTRICT 2**  
**SCREEN BUILDING ROOF PLAN**



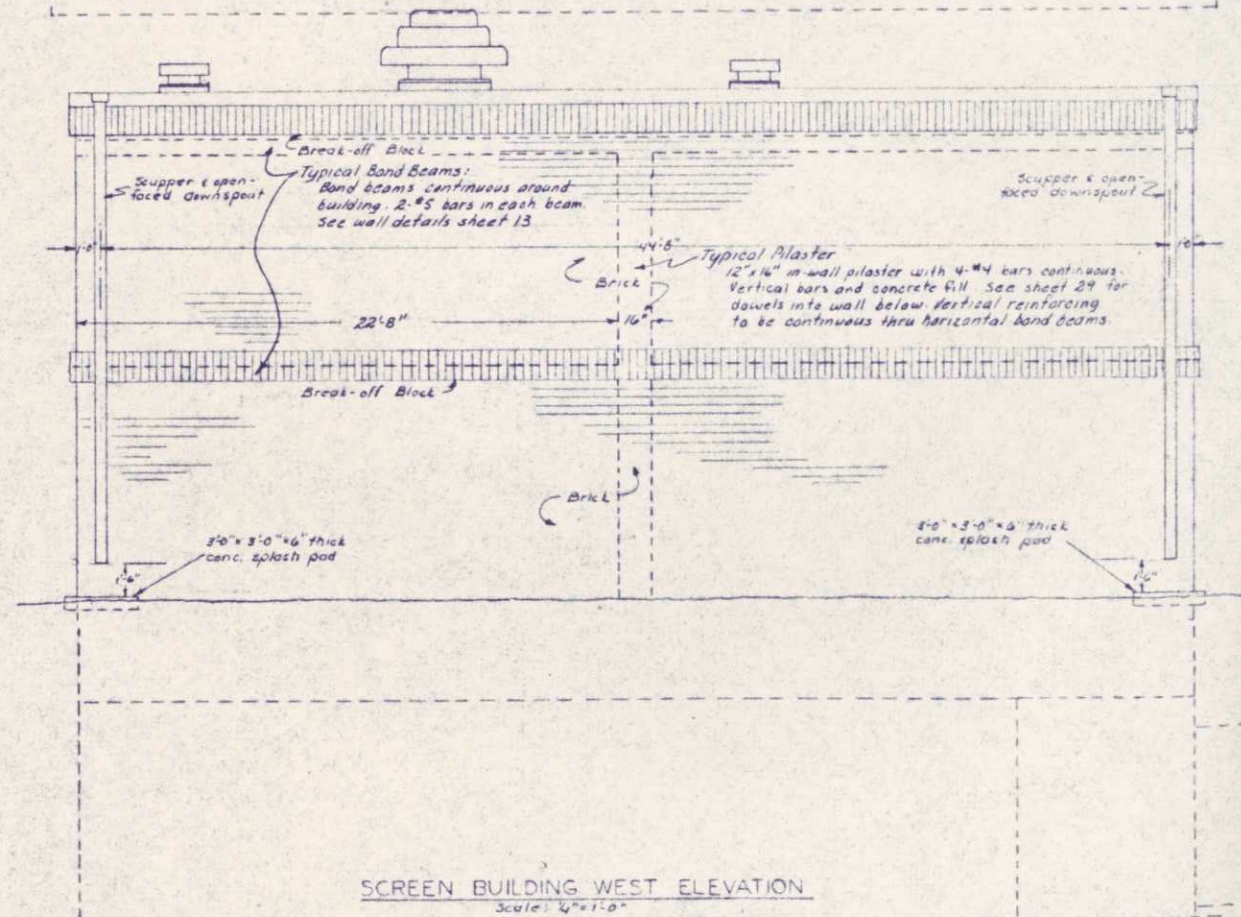
SCREEN BUILDING SOUTH ELEVATION  
Scale: 1/4" = 1'-0"



SCREEN BUILDING EAST ELEVATION  
Scale: 1/4" = 1'-0"



SCREEN BUILDING NORTH ELEVATION  
Scale: 1/4" = 1'-0"



SCREEN BUILDING WEST ELEVATION  
Scale: 1/4" = 1'-0"

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY CLOSE SUPERVISION AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN  
DATE: FEB 5, 1975 REG. NO. E06599

*Att. Johnston*

REVISIONS	DATE	BY	APP'D

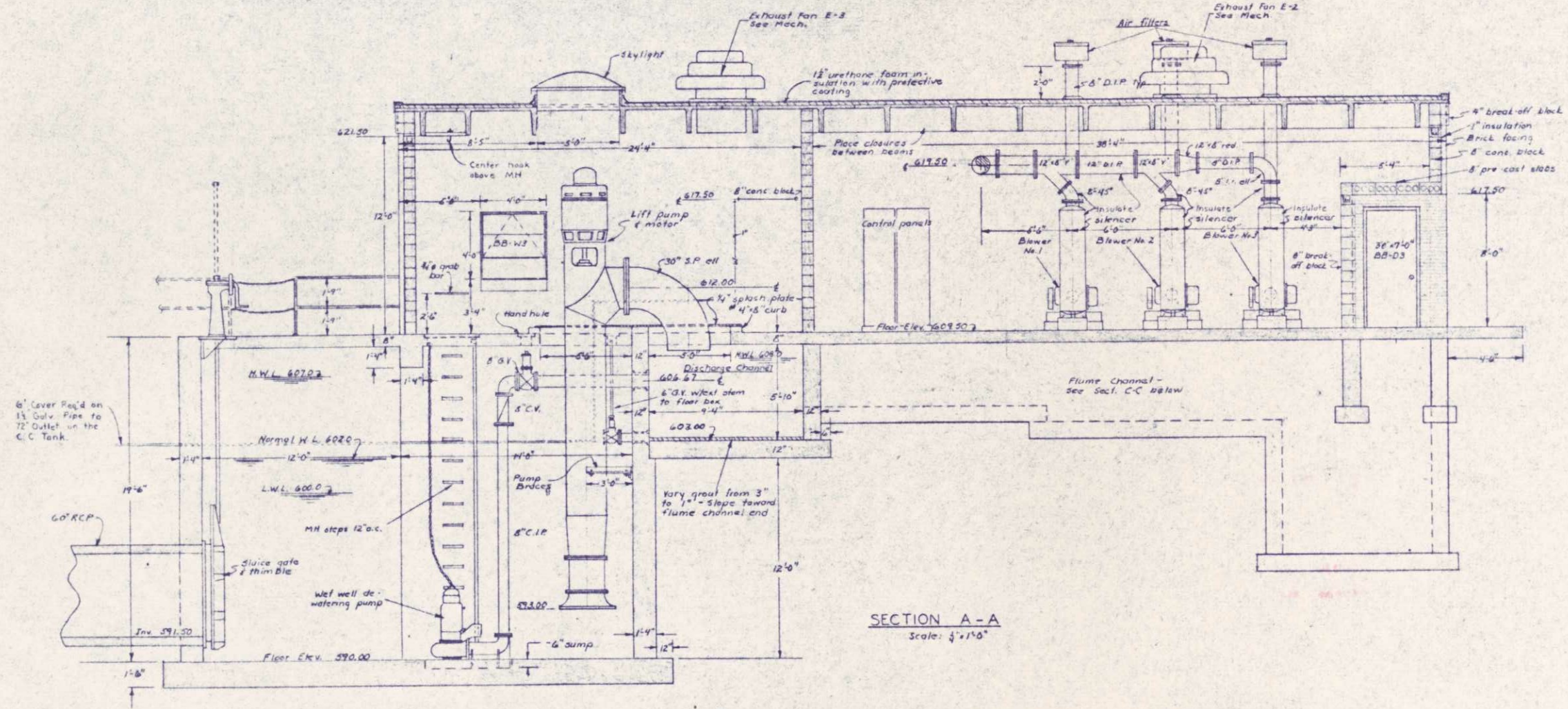
ROBESTROO, ROSENE, ANDERLIK & ASSOC., INC.  
ST. PAUL, MINNESOTA

SUPERIOR, WISCONSIN  
DATE: JAN 3, 1975 COMM 6888 F

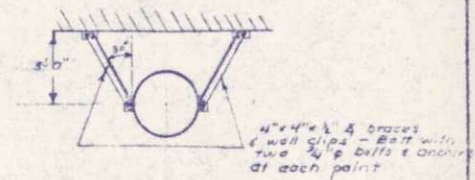
C. S. O. PLANT - DISTRICT 2  
SCREEN BUILDING ELEVATIONS

15/53

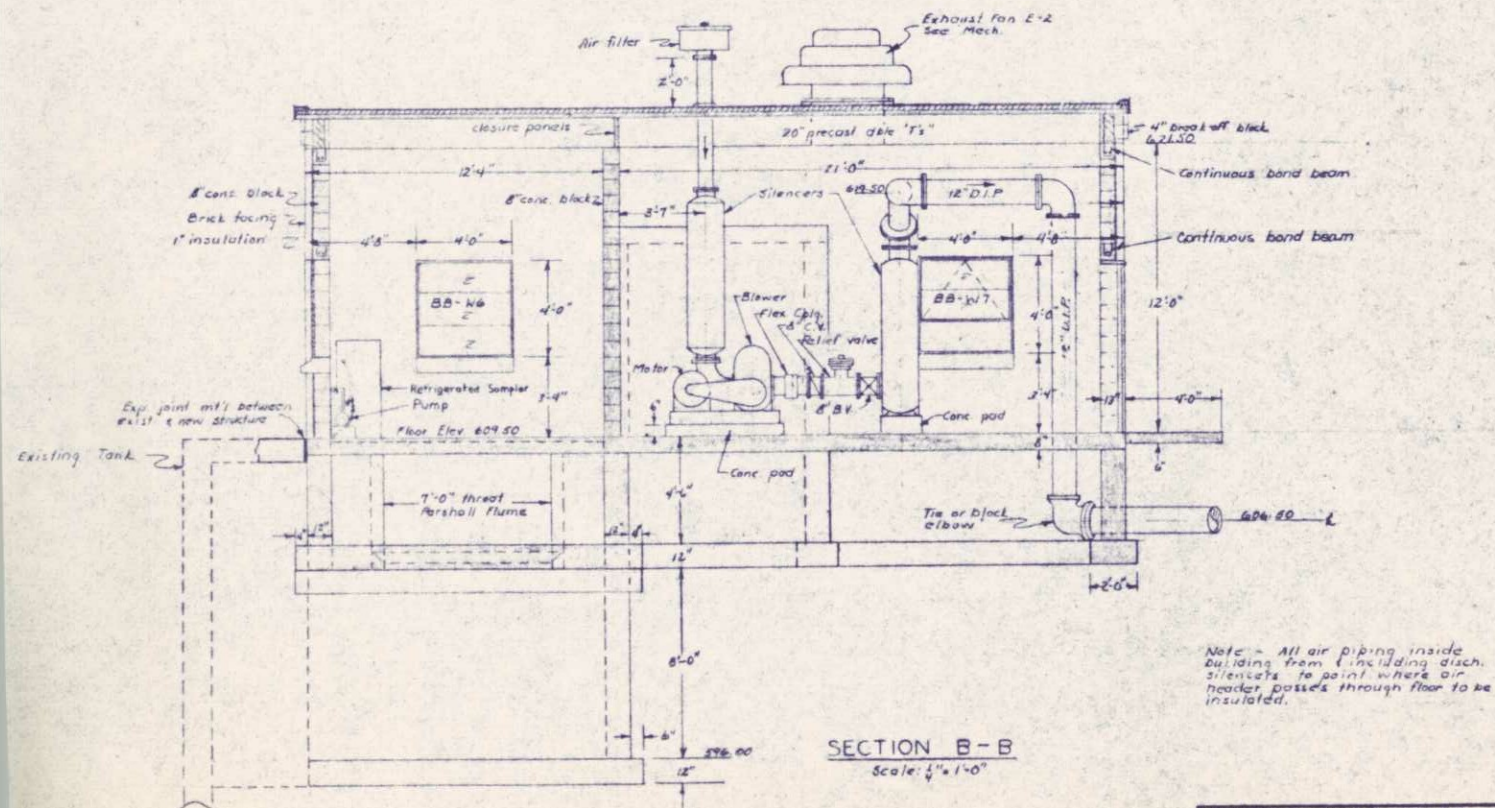




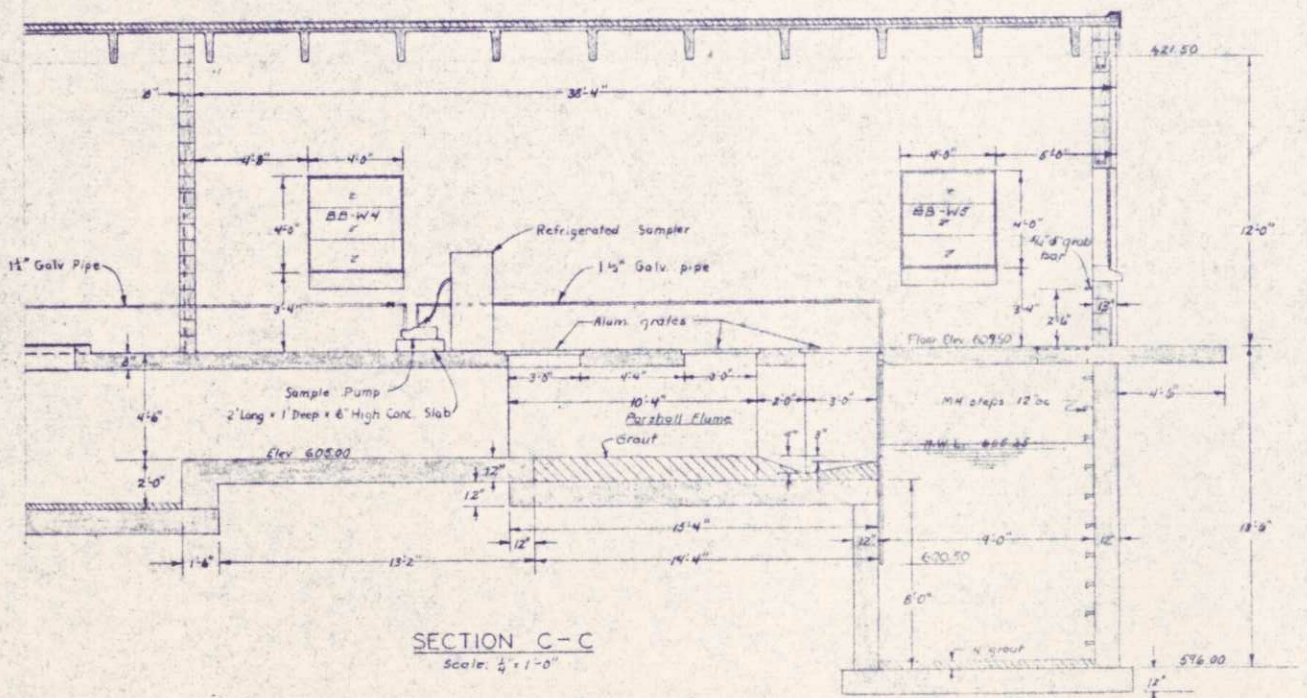
SECTION A-A  
Scale: 1/4" = 1'-0"



PUMP BRACE DETAIL



SECTION B-B  
Scale: 1/4" = 1'-0"



SECTION C-C  
Scale: 1/4" = 1'-0"

1. HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER AND THAT I AM THE AUTHOR OF THE DESIGN AND CONSTRUCTION UNDER THE SEAL OF THE STATE OF WISCONSIN. EXHIBIT UNDER THE SEAL OF THE STATE OF WISCONSIN. REGISTERED UNDER THE SEAL OF THE STATE OF WISCONSIN. FEB 5, 1975. SEE NO. E06599.

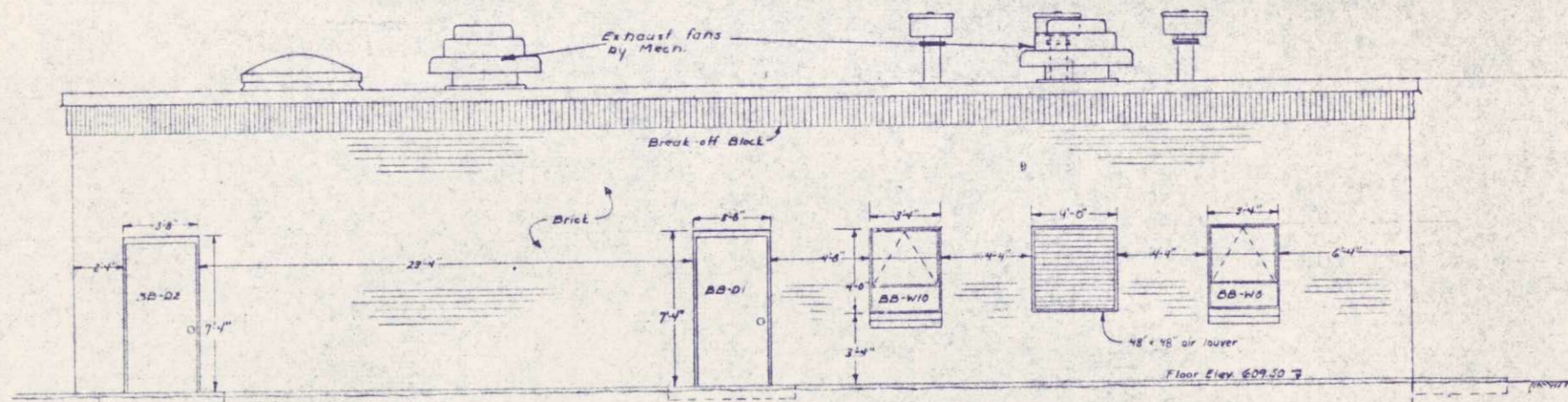
NO.	DATE	REVISIONS
1		DESIGN
2		DRAWN
3		CHECKED
4		APPROVED

BONESTROO, ROSENE, ANDERLIK & ASSOC., INC.  
ST. PAUL, MINNESOTA

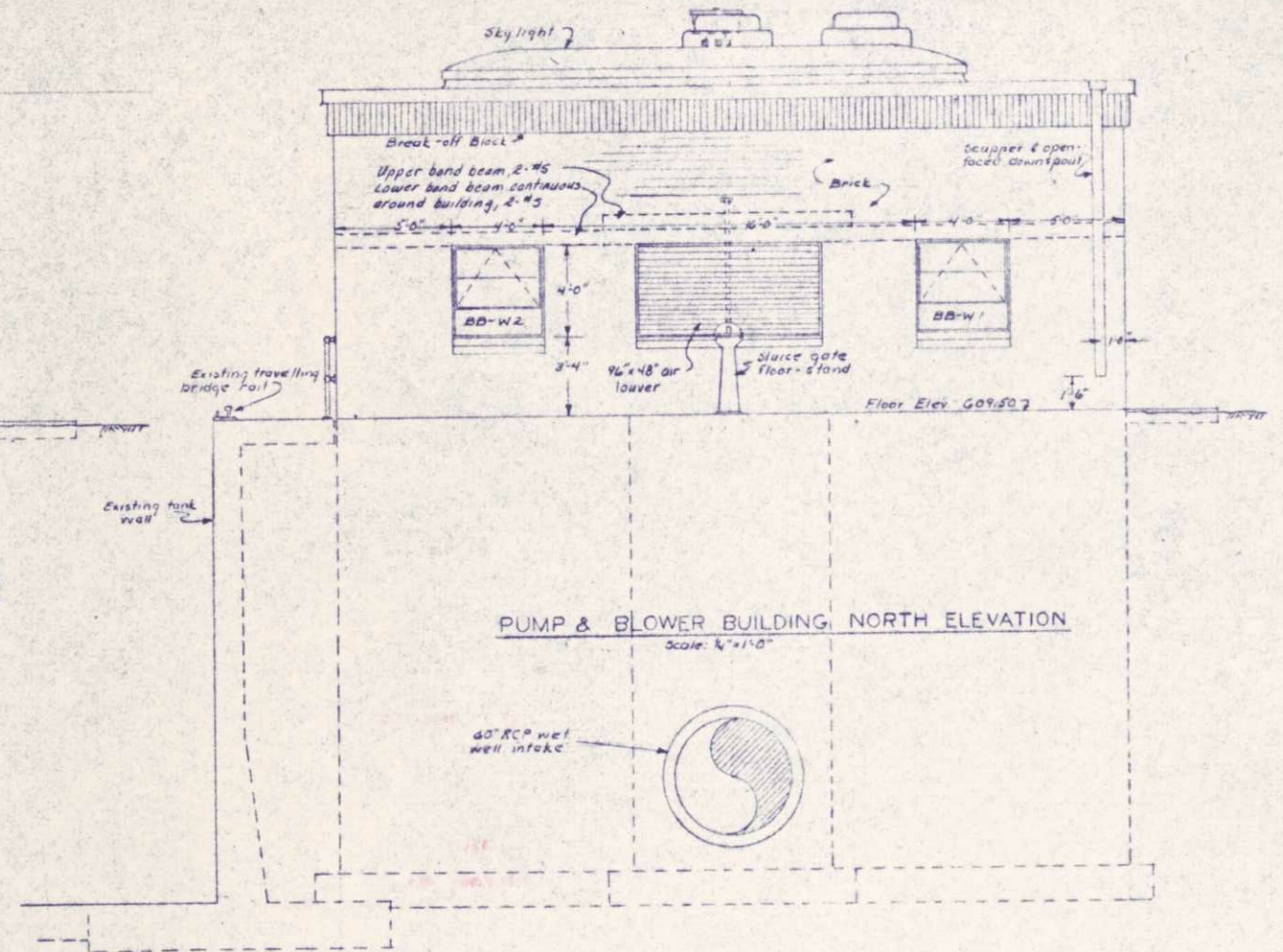
SUPERIOR, WISCONSIN  
DATE: JAN 3, 1975  
COMM. 6888 F

C. S. O. PLANT - DISTRICT 2  
PUMP & BLOWER BUILDING SECTIONS

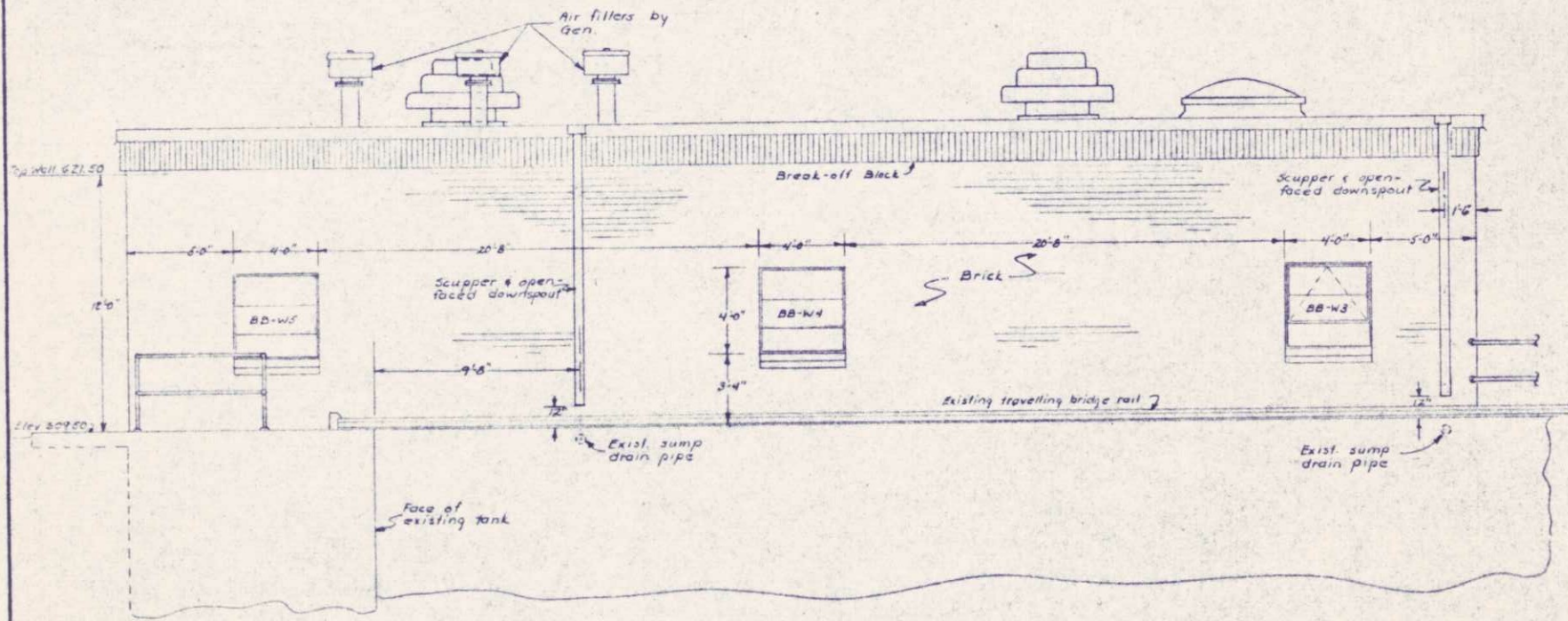




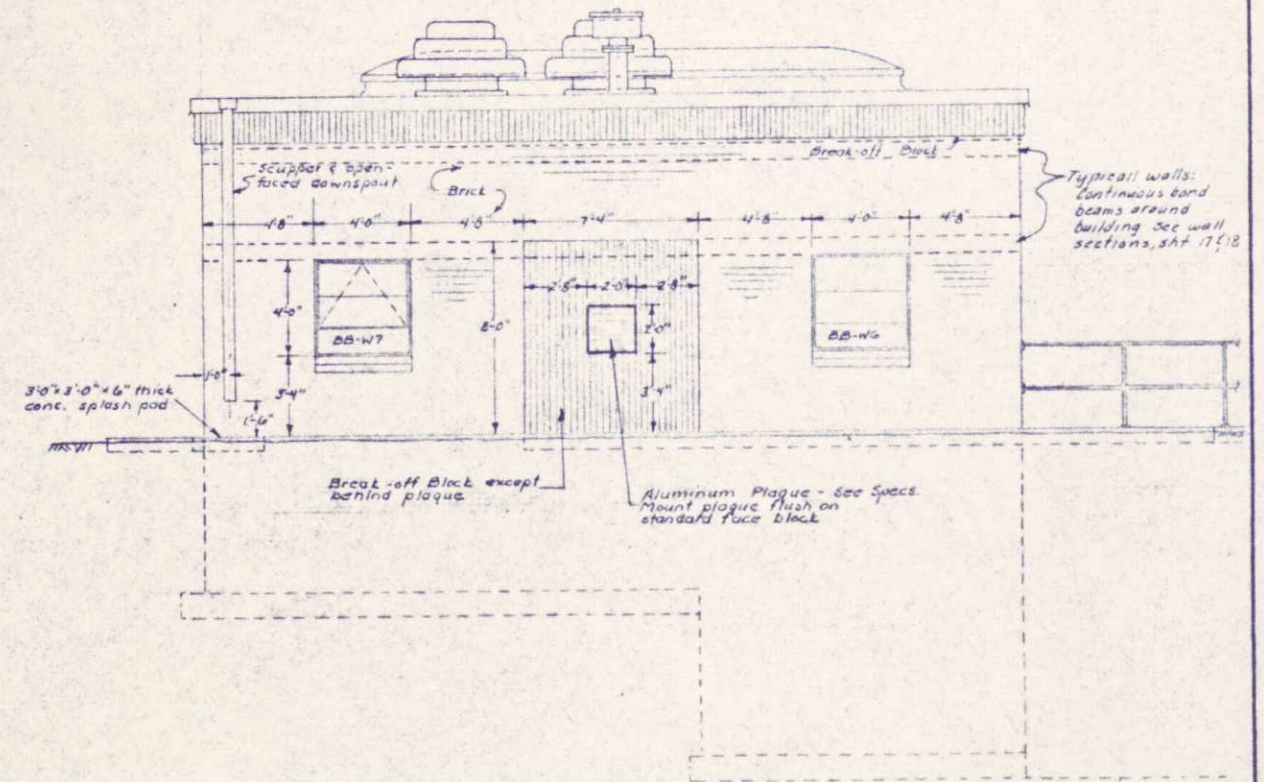
PUMP & BLOWER BUILDING WEST ELEVATION  
Scale: 1/4" = 1'-0"



PUMP & BLOWER BUILDING NORTH ELEVATION  
Scale: 1/4" = 1'-0"



PUMP & BLOWER BUILDING EAST ELEVATION  
Scale: 1/4" = 1'-0"



PUMP & BLOWER BUILDING SOUTH ELEVATION  
Scale: 1/4" = 1'-0"

NEEDY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.  
DATE: FEB 5, 1975 REG. NO. E06599

*Robert J. M... ..*

BURVEY G.D.  
DRAWING R.H.  
DESIGN R.H.  
APPROVE R.H.

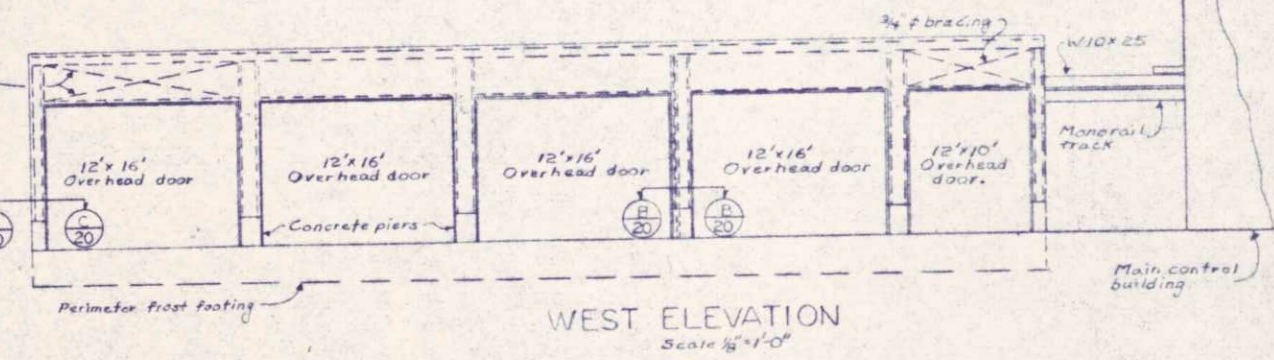
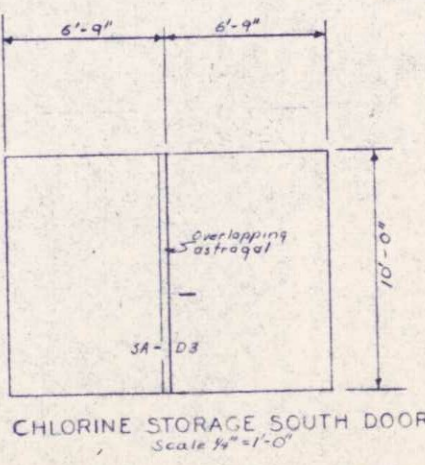
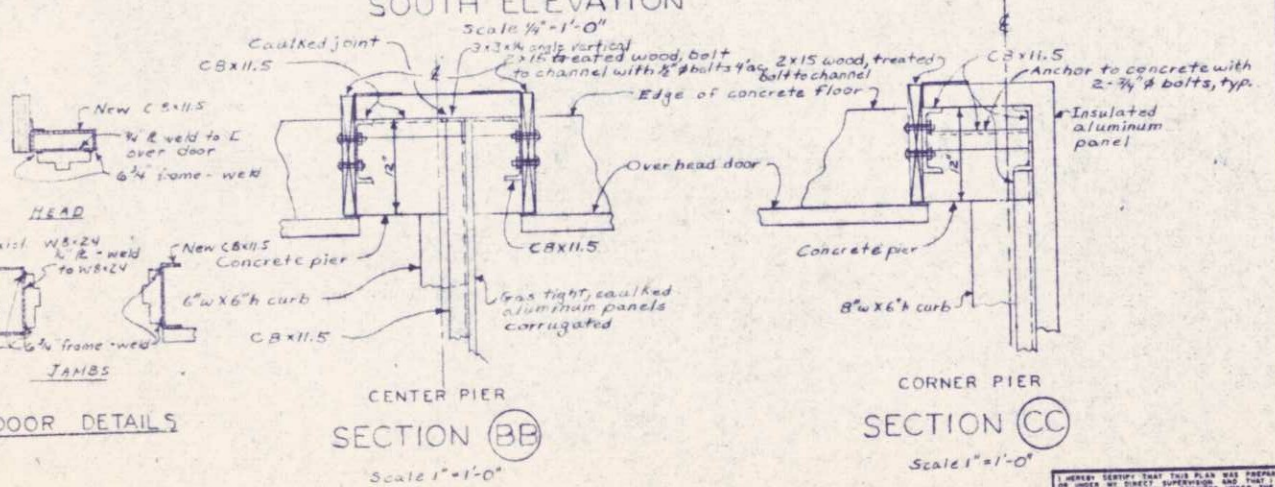
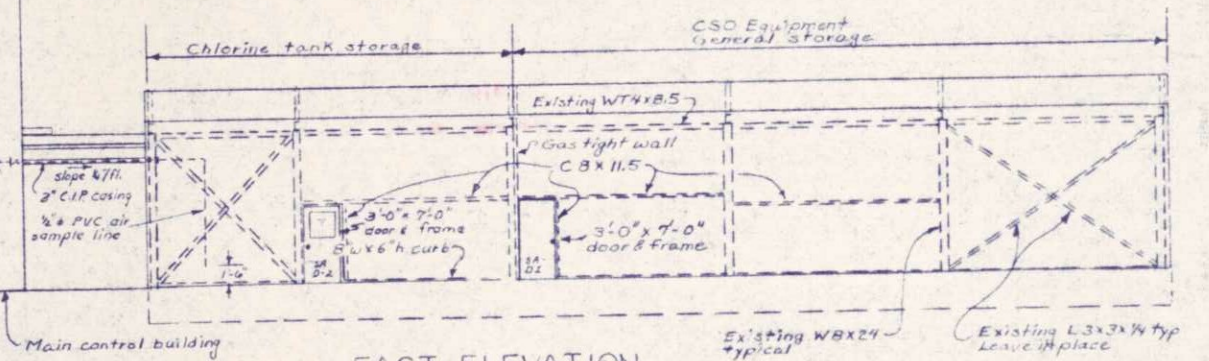
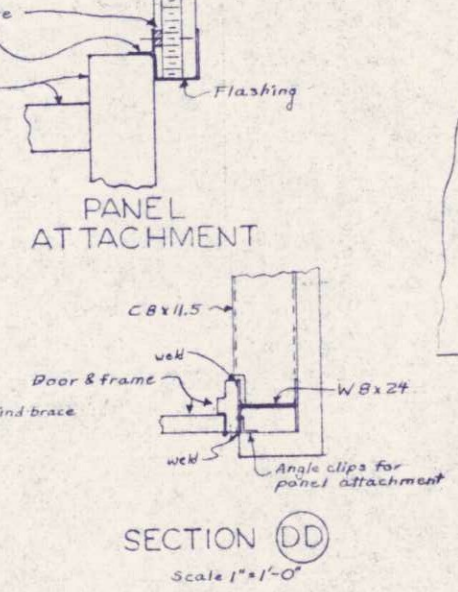
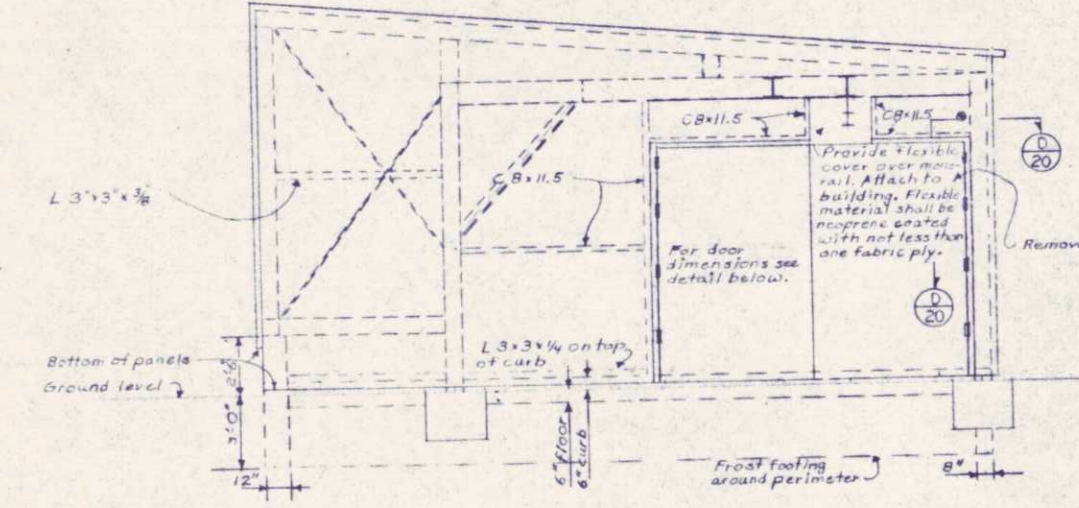
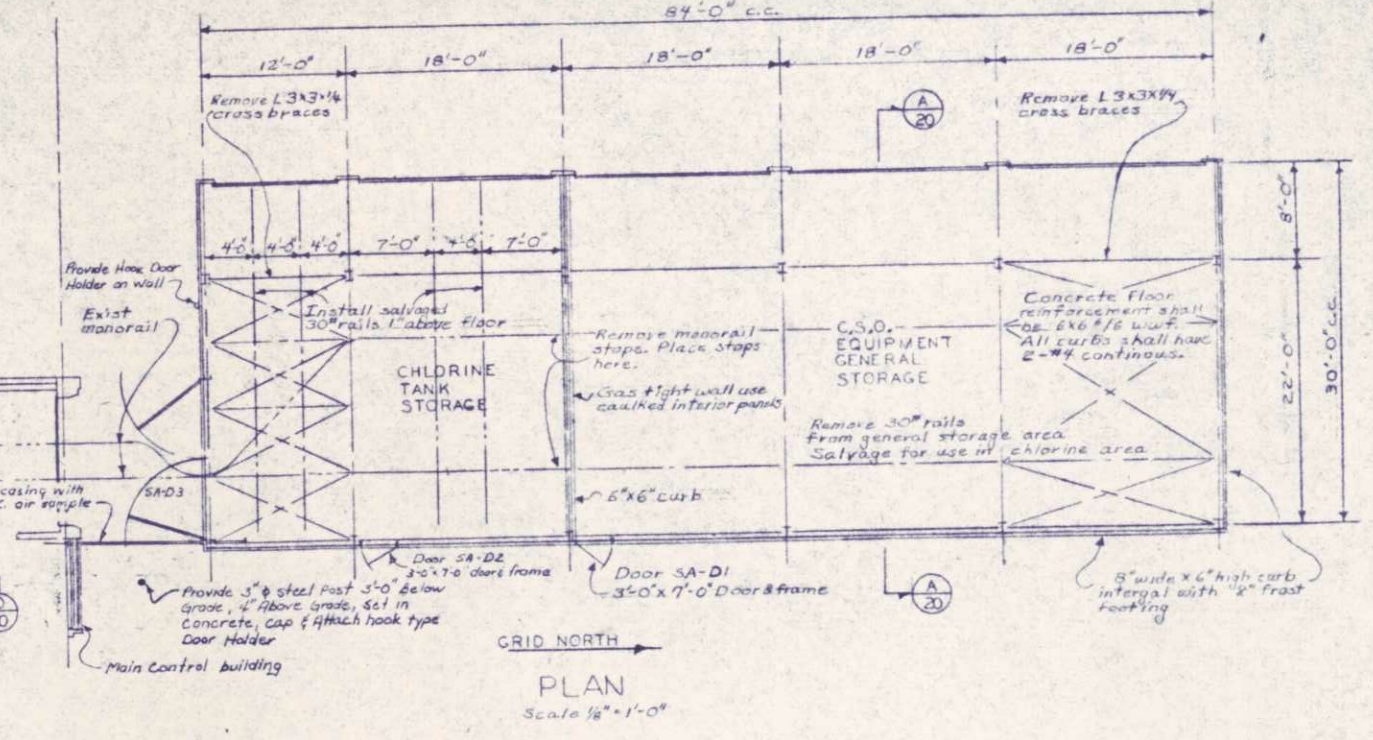
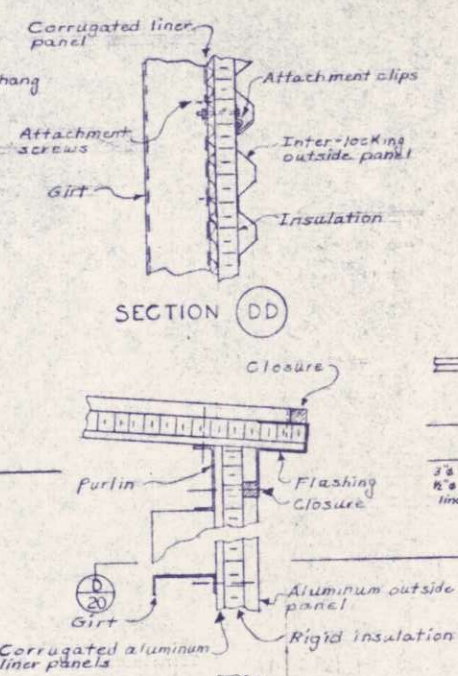
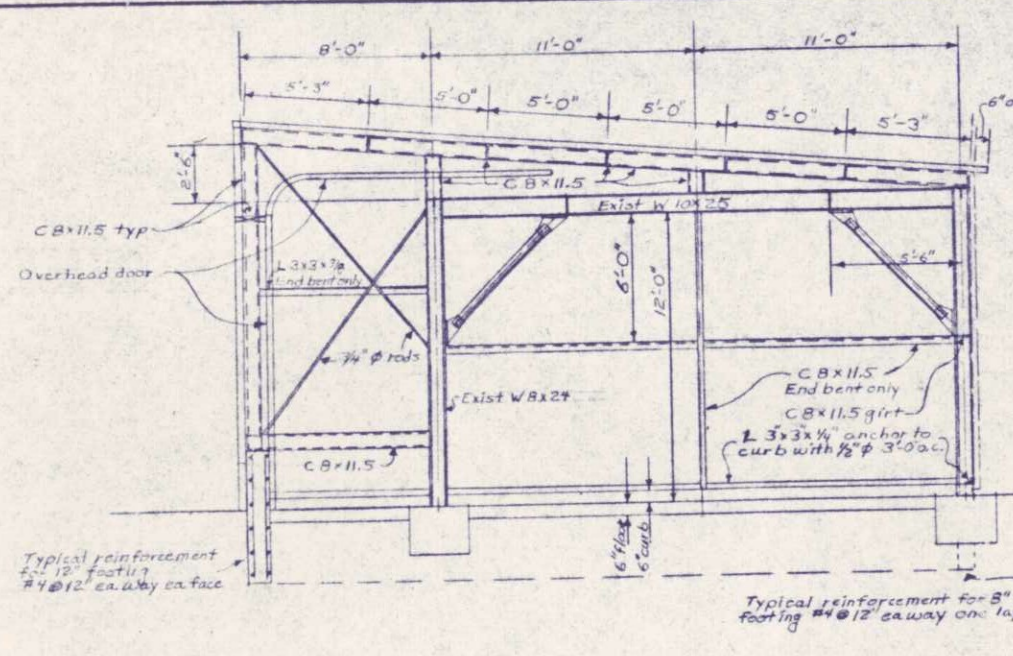
REVISIONS:  
1. Amend Plaque 4/1/75  
R.H.

**BONESTROO, ROSENE, ANDERLIK & ASSOC., INC.**  
ST. PAUL, MINNESOTA

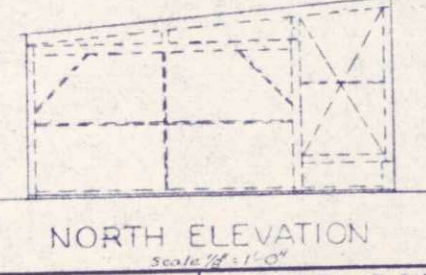
**SUPERIOR, WISCONSIN**  
DATE: JAN 3, 1975 GDMH 6886 F

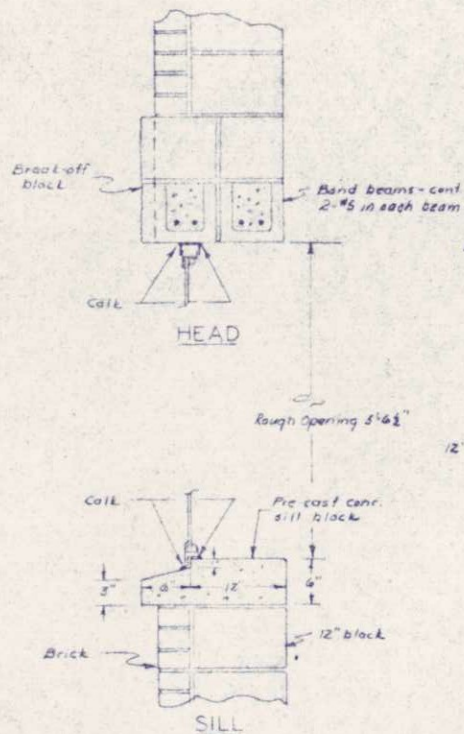
C. S. O. PLANT - DISTRICT 2  
PUMP & BLOWER BUILDING ELEVATION

SHEET  
19  
53

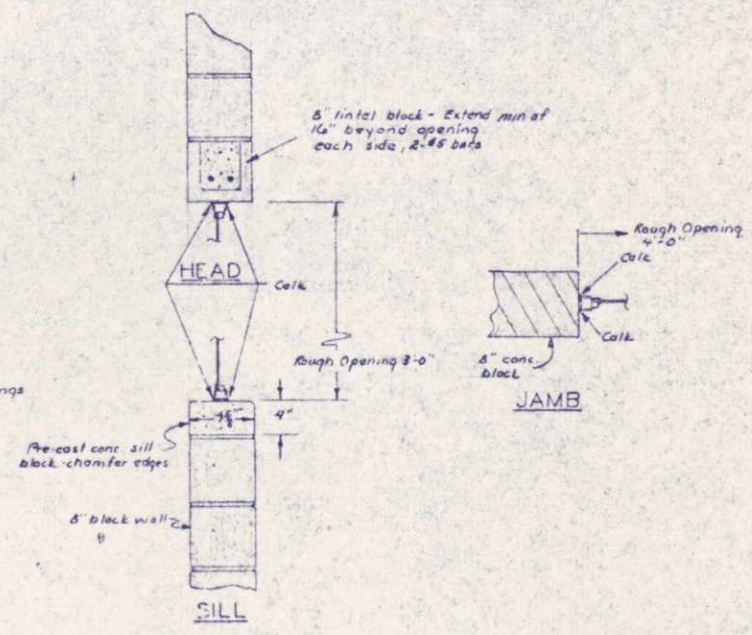


- NOTES:**
- Existing structure consists of six (6) bents to support monorail. Contractor shall enlarge structure to west, provide sloping roof, enclose walls and provide concrete footings, curb and floor as shown and specified in specifications.
  - All structural steel connections shall be field welded all around.
  - Contractor shall verify all dimensions before fabrication.
  - Gen. Contractor shall provide steel framing around all ventilation openings - See Mechanical Drawings.
  - Gas-tight wall shall be provided between chlorine tank storage area and general storage area.
  - Contractor shall submit drawings and details of construction for approval prior to fabrication.

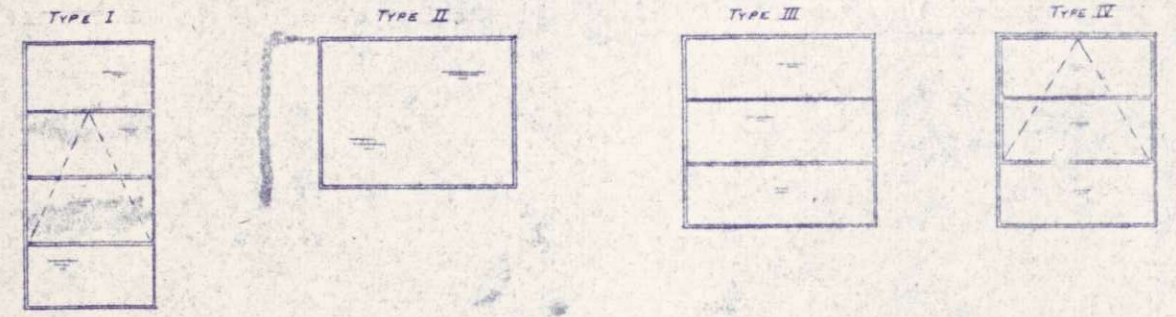




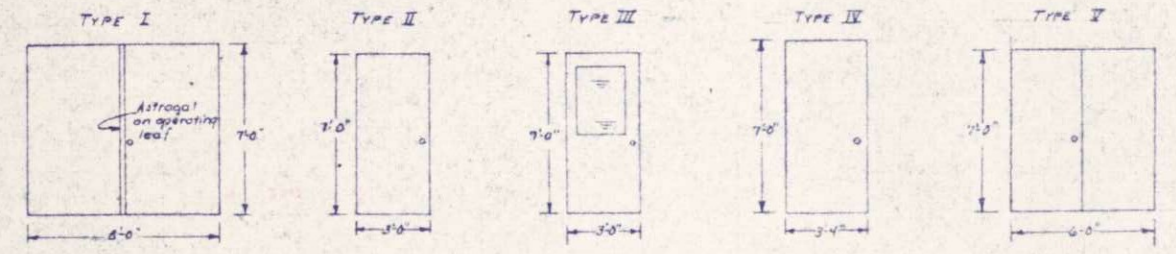
WINDOW DETAIL #1  
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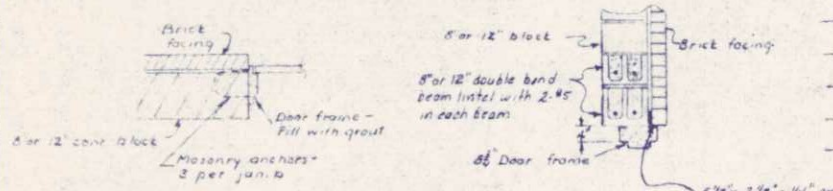
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Scale 1/4" = 1'-0"



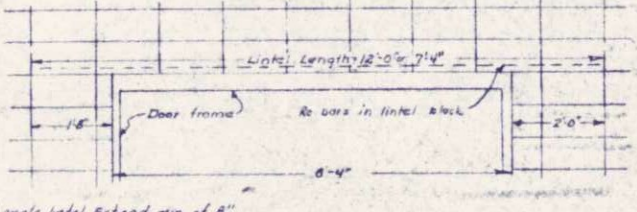
WINDOW TYPES



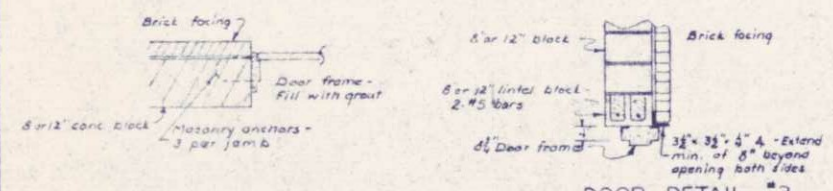
DOOR TYPES



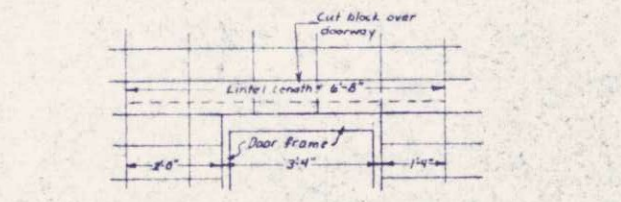
DOOR DETAIL #1  
Scale 1/2" = 1'-0"



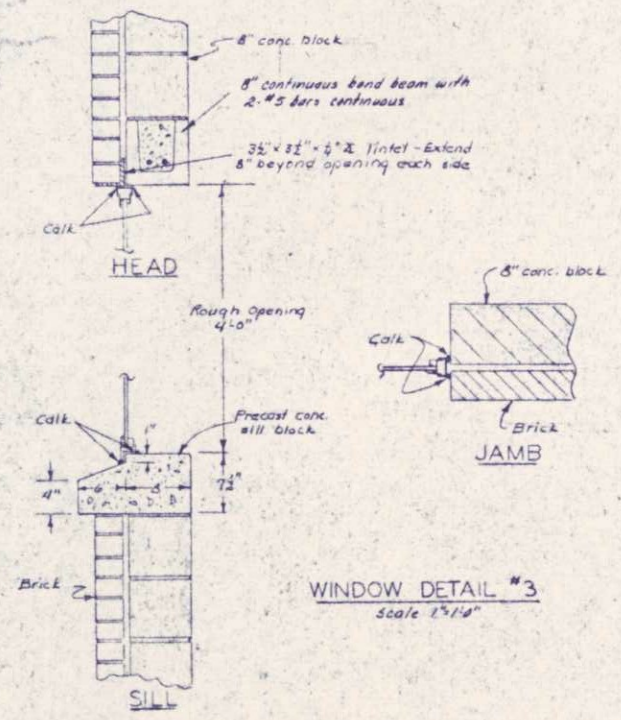
DOOR DETAIL #2  
Scale 1/2" = 1'-0"



DOOR DETAIL #3  
Scale 1/2" = 1'-0"



DOOR DETAIL #4  
Scale 1/2" = 1'-0"



WINDOW DETAIL #3  
Scale 1/4" = 1'-0"

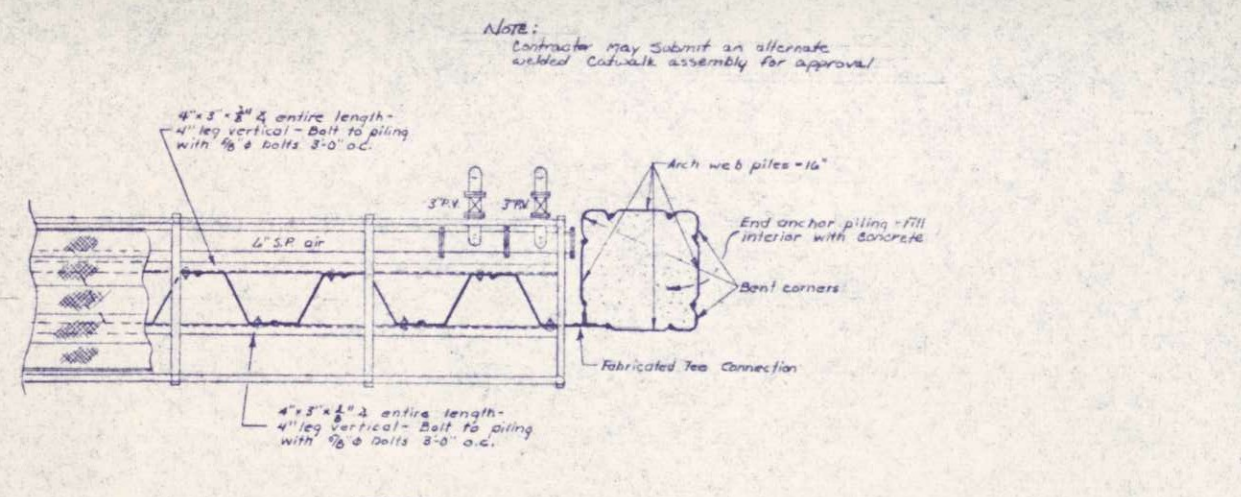
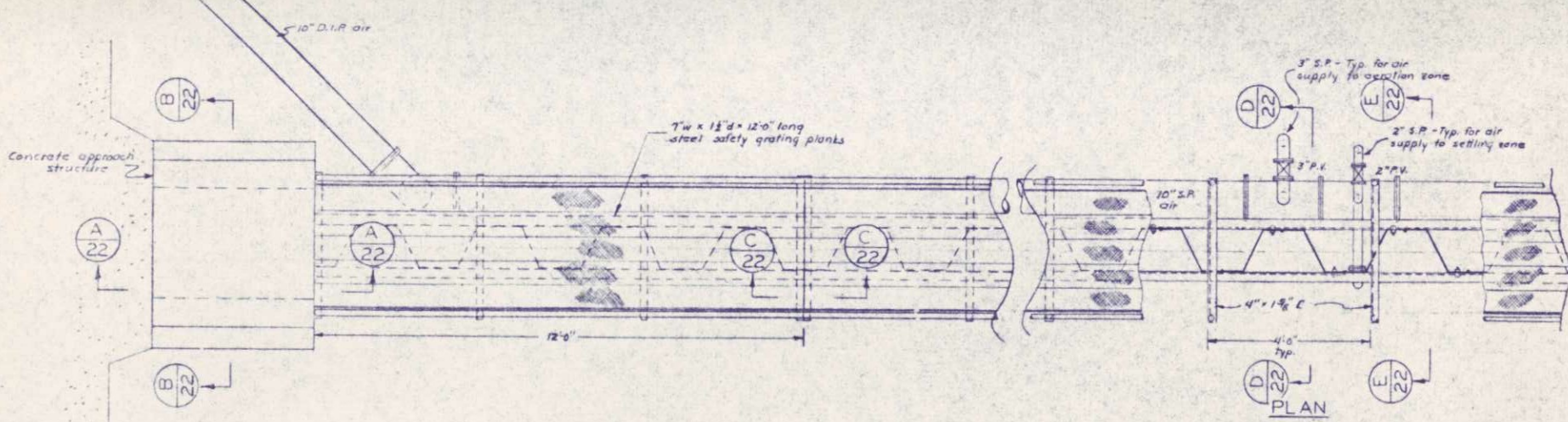
WINDOW SCHEDULE				
Designation	Type	Rough Opening	Detail Reference	Remarks
SB-W1	I	2'-9" x 5'-6 1/2"	#1	Sealed, Double Paned, Insulating Units
SB-W2	I	2'-9" x 5'-6 1/2"	#1	"
SB-W3	I	2'-9" x 5'-6 1/2"	#1	"
SB-W4	I	4'-9" x 5'-6 1/2"	#1	"
SB-W5	I	2'-9" x 5'-6 1/2"	#1	"
SB-W6	I	2'-9" x 5'-6 1/2"	#1	"
SB-W7	I	2'-9" x 5'-6 1/2"	#1	"
SB-W8	I	4'-9" x 5'-6 1/2"	#1	"
SB-W9	II	3'-0" x 4'-0"	#2	Double Strength Glass
BB-W1	IV	4'-0" x 4'-0"	#3	Sealed, Double Paned, Insulating Units
BB-W2	IV	4'-0" x 4'-0"	#3	"
BB-W3	IV	4'-0" x 4'-0"	#3	"
BB-W4	III	4'-0" x 4'-0"	#3	"
BB-W5	III	4'-0" x 4'-0"	#3	"
BB-W6	III	4'-0" x 4'-0"	#3	"
BB-W7	IV	4'-0" x 4'-0"	#3	"
BB-W8	IV	4'-0" x 4'-0"	#3	"
BB-W10	IV	3'-4" x 4'-0"	#3	"

\* Sill must be flush with brick.

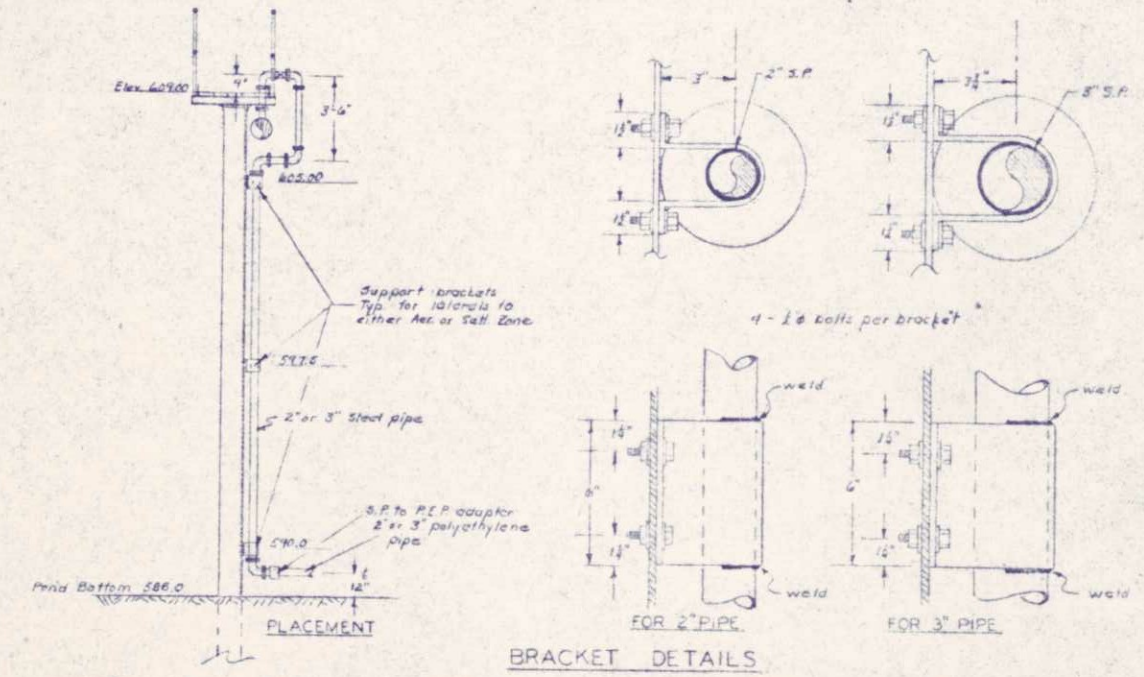
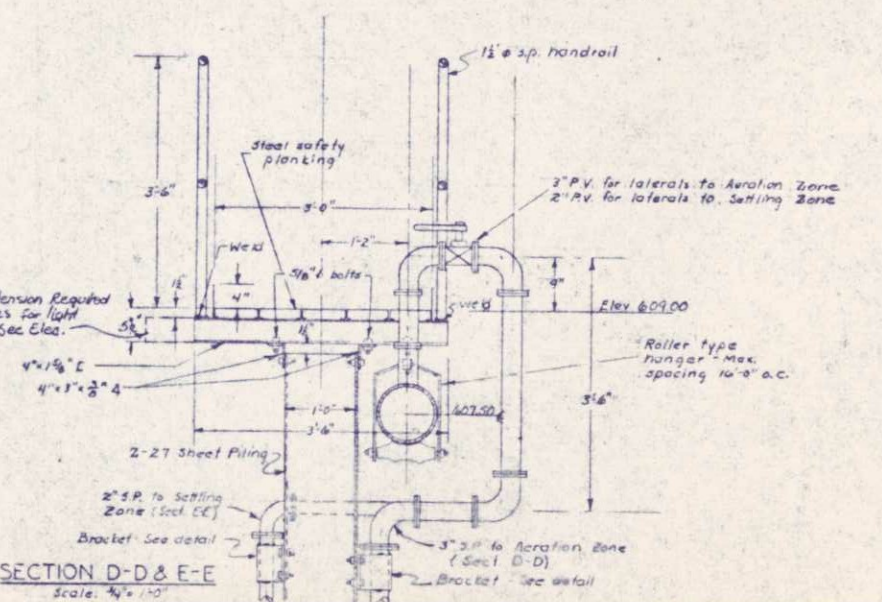
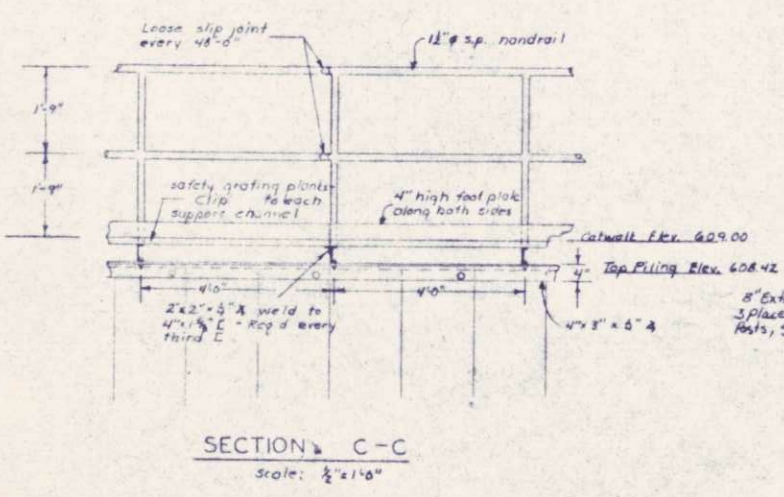
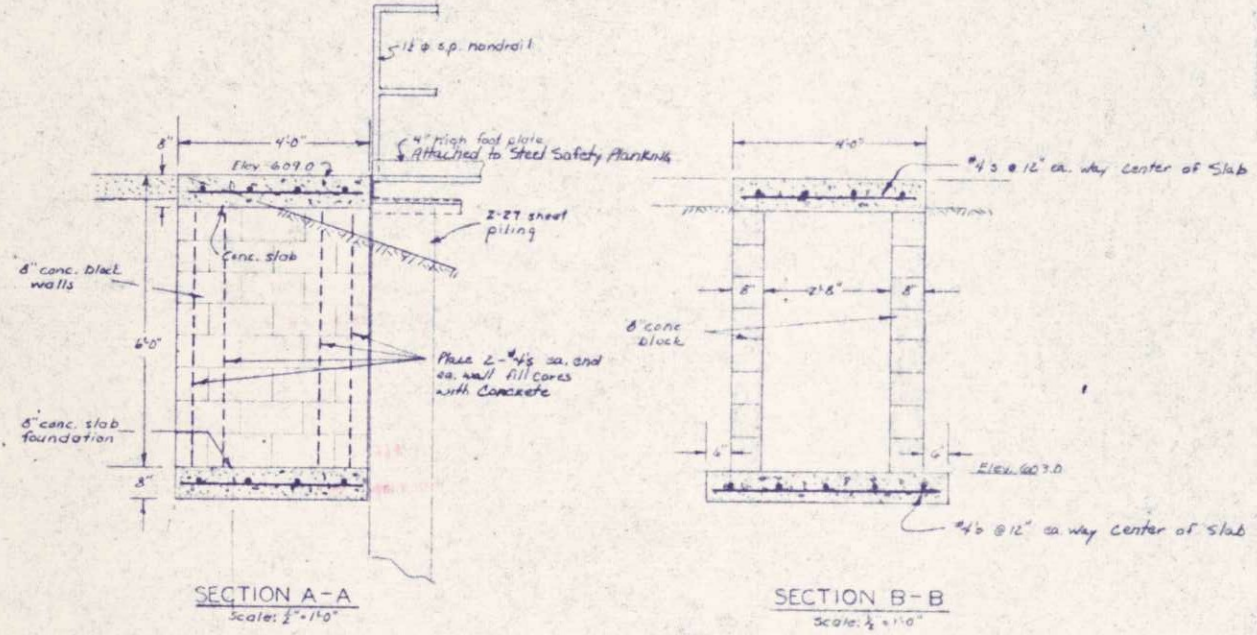
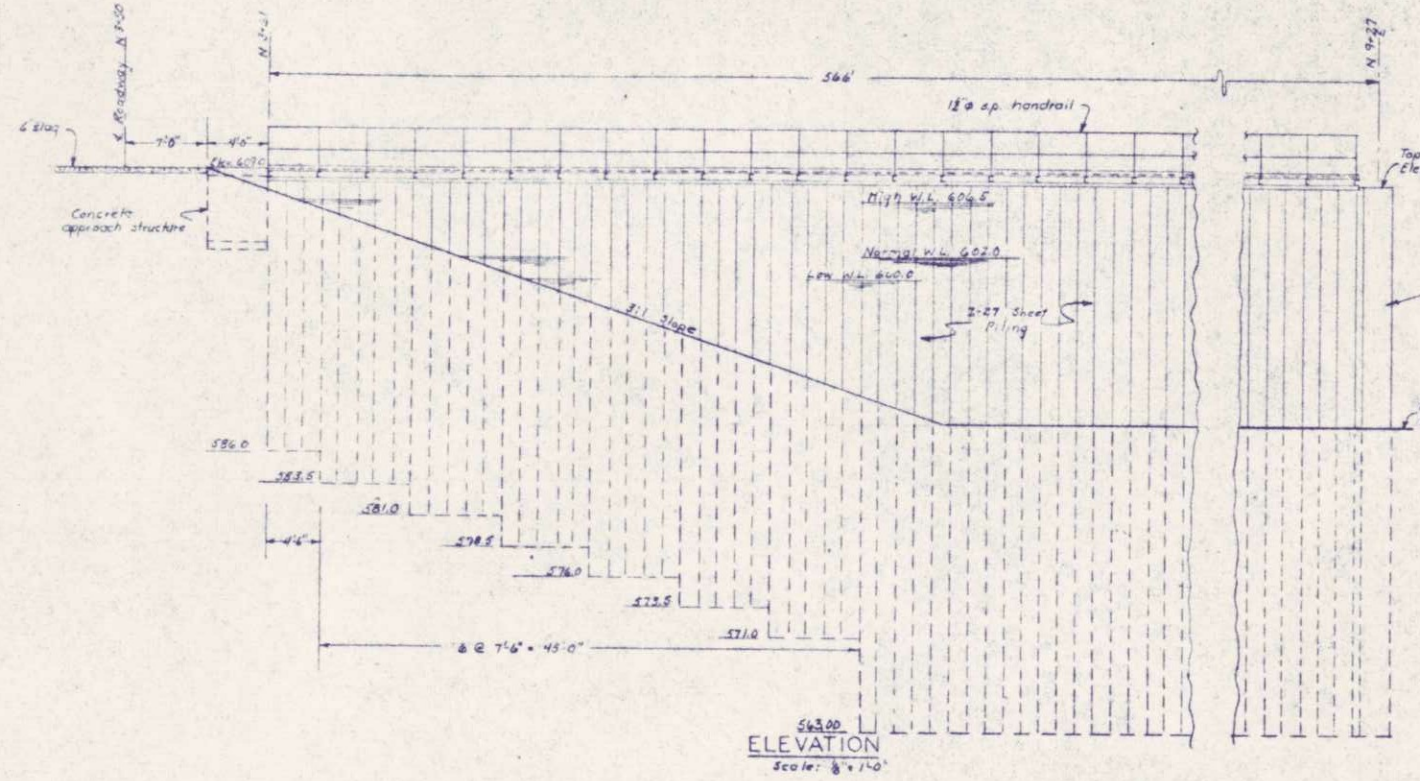
DOOR SCHEDULE				
Designation	Type	Size	Rough Opening	Detail Reference
SB-D1	I	8'-0" x 7'-0"	8'-4" x 7'-4"	#1
SB-D2	II	3'-0" x 7'-0"	3'-4" x 7'-4"	#2
SB-D3	III	3'-0" x 7'-0"	3'-4" x 7'-4"	#2
SB-D4	II	3'-0" x 7'-0"	3'-4" x 7'-4"	#2
SB-D5	II	3'-0" x 7'-0"	3'-4" x 7'-4"	#3
BB-D1	IV	3'-4" x 7'-0"	3'-8" x 7'-4"	#2
BB-D2	IV	3'-4" x 7'-0"	3'-8" x 7'-4"	#2
BB-D3	II	3'-0" x 7'-0"	3'-4" x 7'-4"	#2
BB-D4	II	3'-0" x 7'-0"	3'-4" x 7'-4"	#2
BB-D5	II	3'-0" x 7'-0"	3'-4" x 7'-4"	#4
BB-D6	II	3'-0" x 7'-0"	3'-4" x 7'-4"	#4
SB-D6	V	6'-0" x 7'-0"	6'-4" x 7'-4"	#3
SA-D1	II	3'-0" x 7'-0"	3'-4" x 7'-4"	See Sheet 20
SA-D2	II	3'-0" x 7'-0"	3'-4" x 7'-4"	"
SA-D3	II	13'-0" x 10'-0"	13'-4" x 10'-4"	"

NOTE:  
S.B. refers to Screen Bldg.  
B.B. refers to Blower Bldg.  
S.A. refers to Storage Area.

Note: See sheet 20 for sizes for 4" x 12" x 16" x 12" x 10" vertical doors  
\* No lintel req'd. Frame head to have closed top.



NOTE:  
Contractor may submit an alternate welded Catwalk assembly for approval.



I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.  
DATE: FEB 5, 1975  
E06599

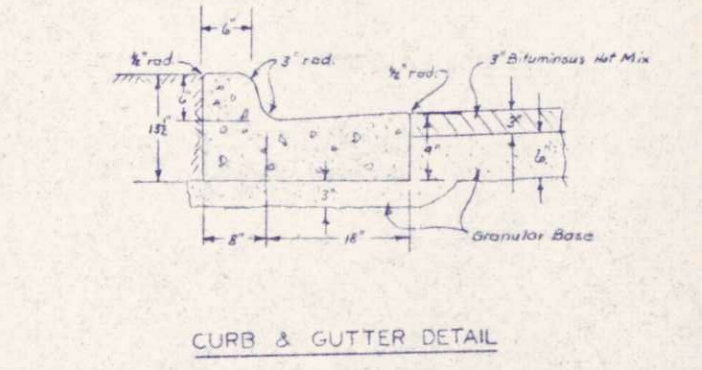
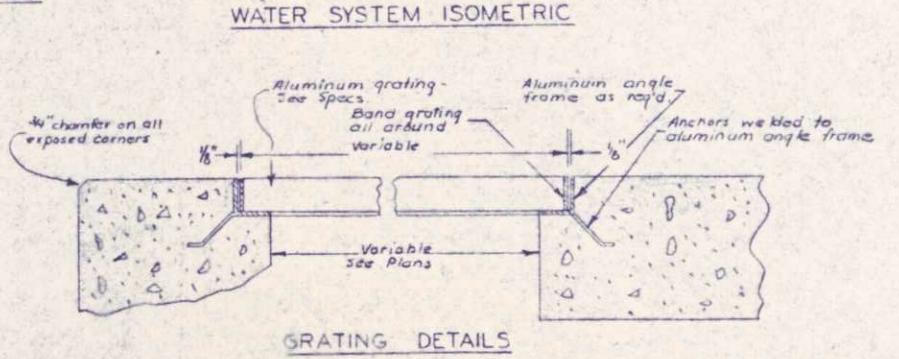
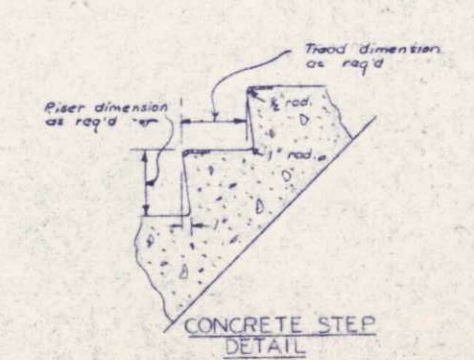
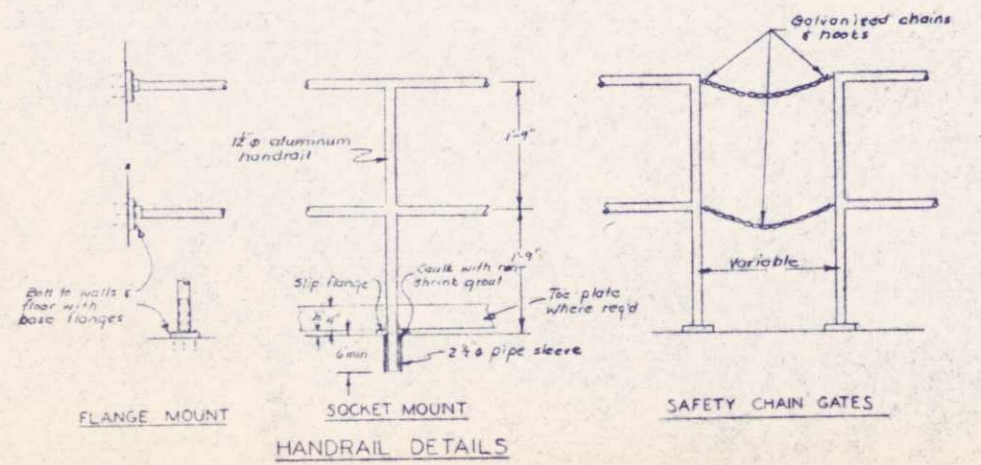
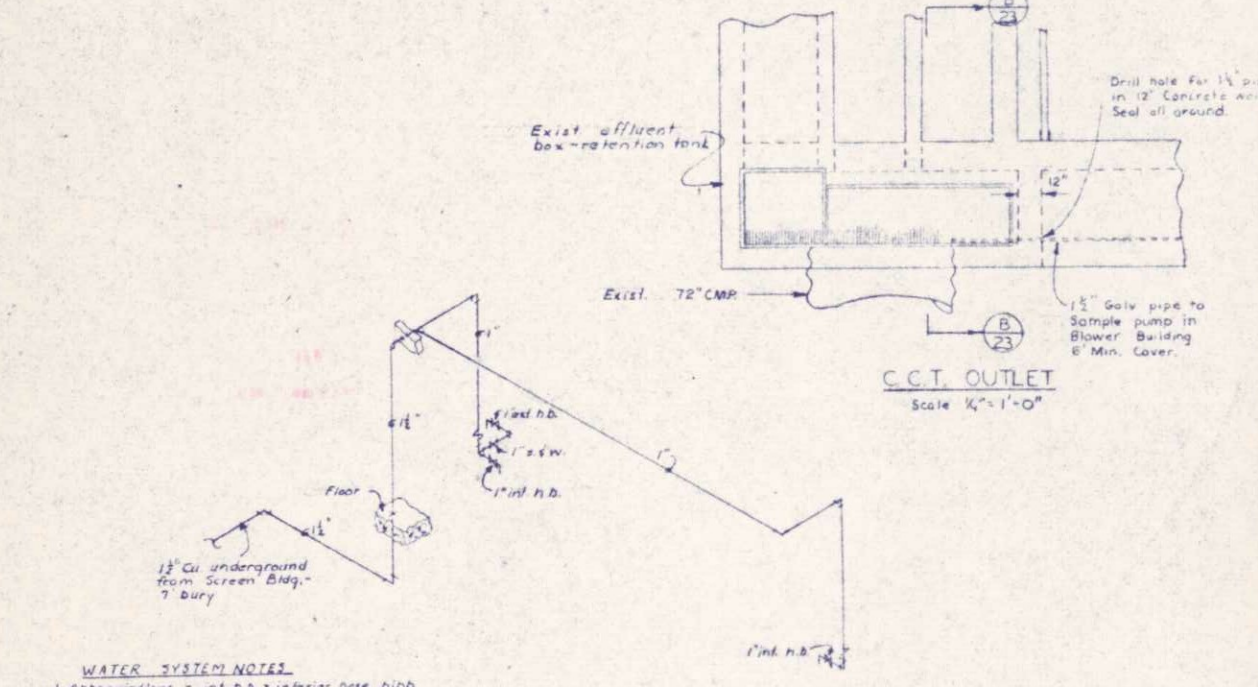
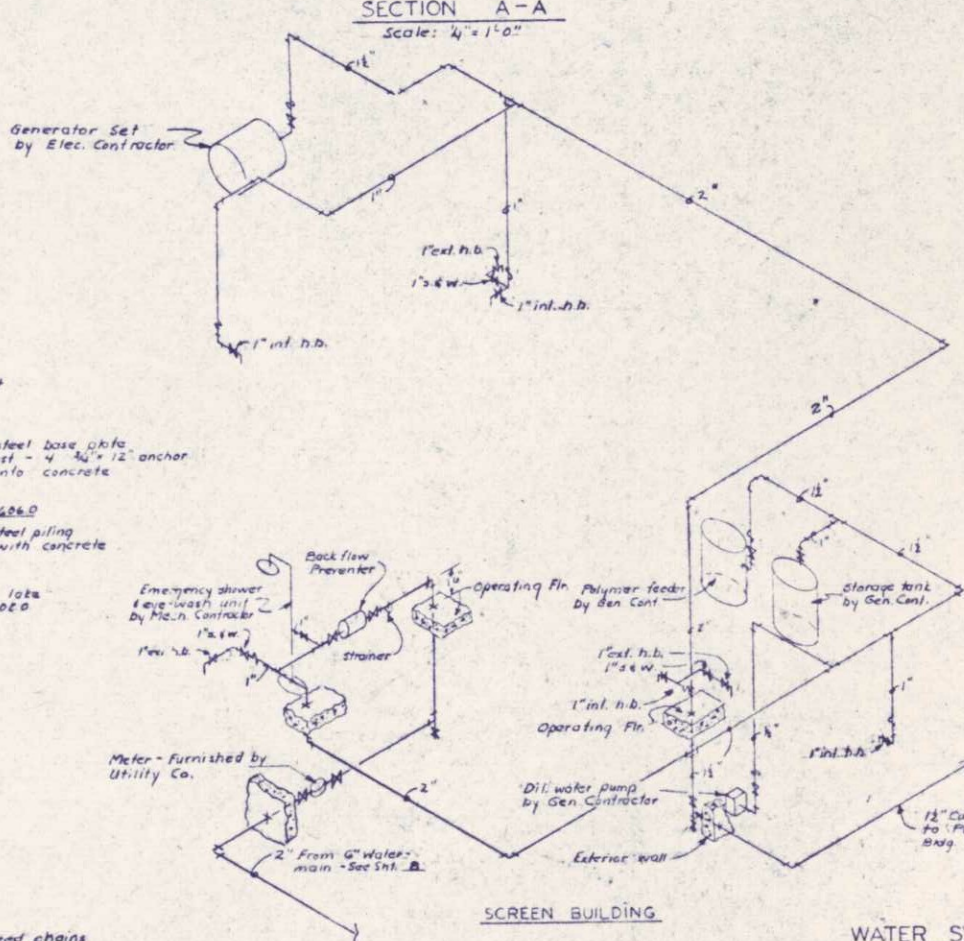
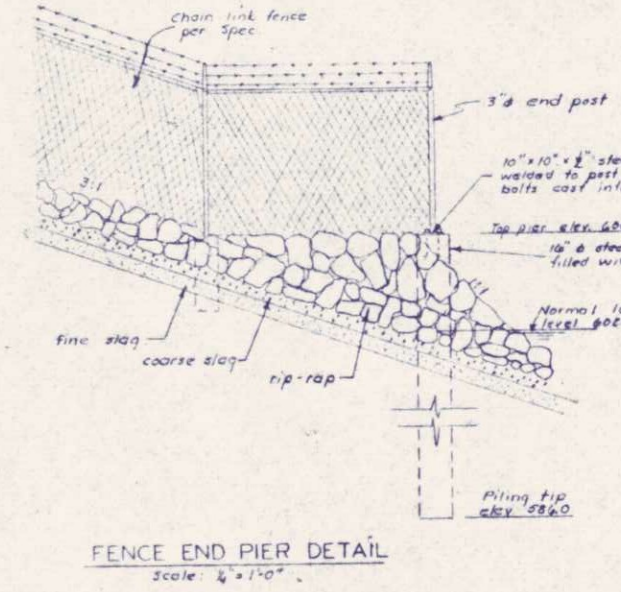
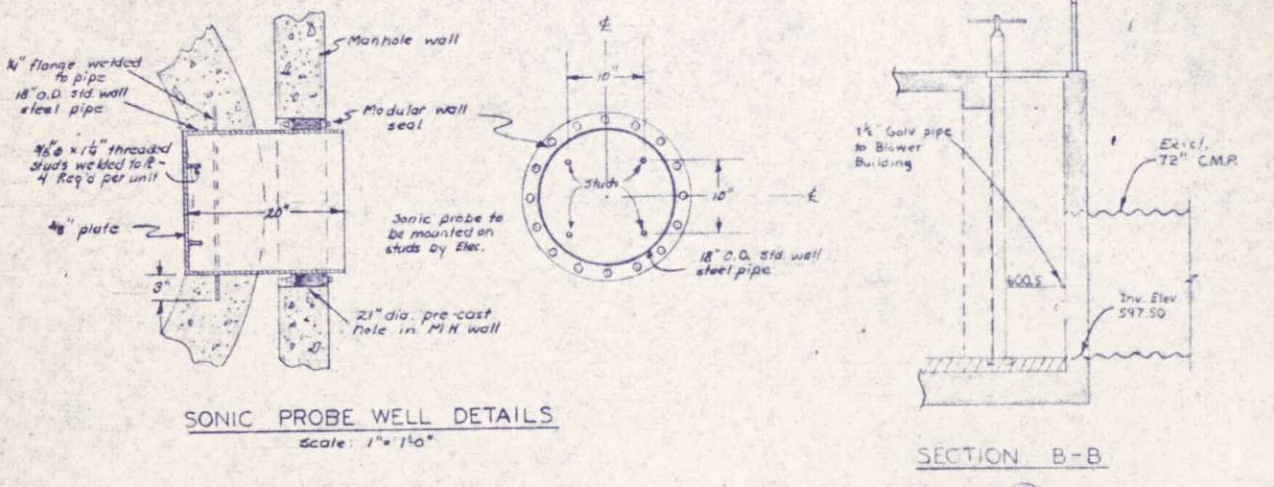
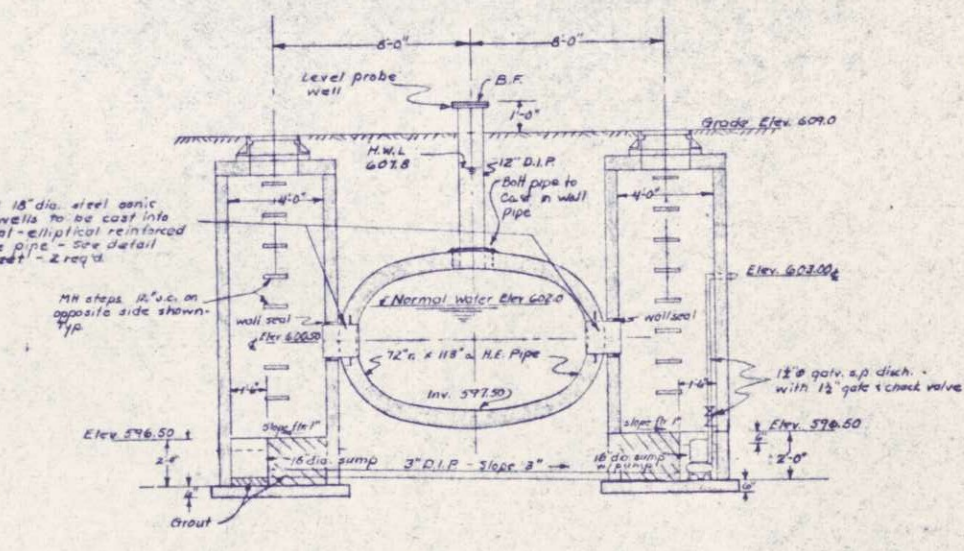
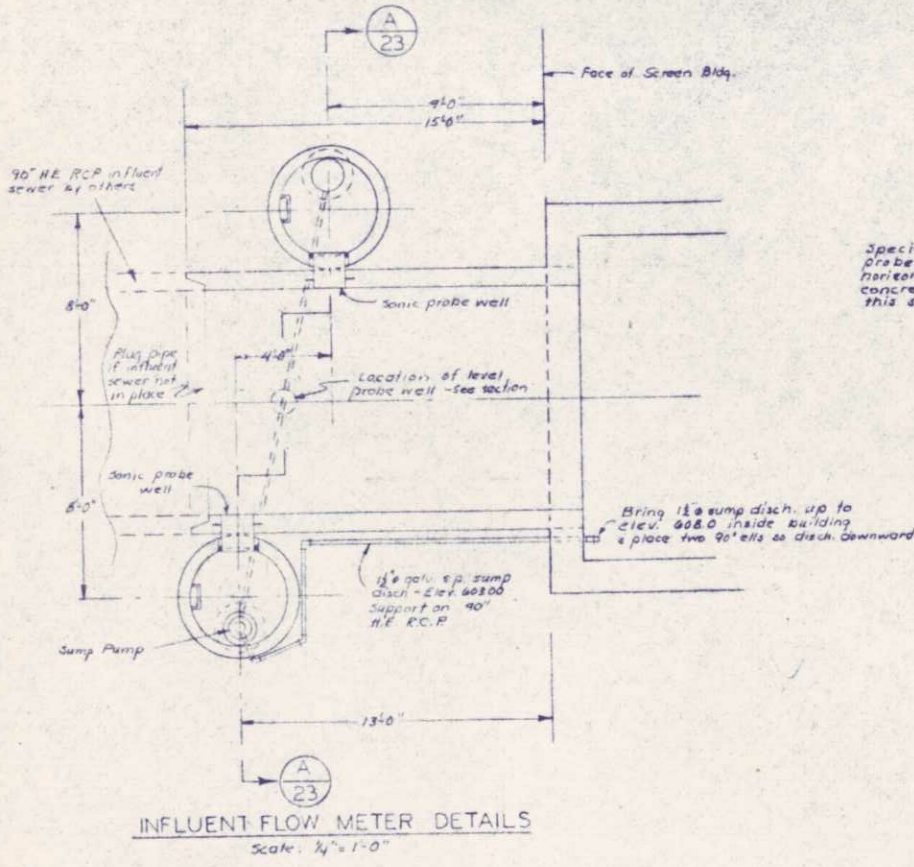
SURVEY	DR	REVISIONS
DRAWN	RE	
DESIGN	RE	
APPROVED	RE	

**ROESTROO, ROSENE, ANDERLIK & ASSOC., INC.**  
ST. PAUL, MINNESOTA

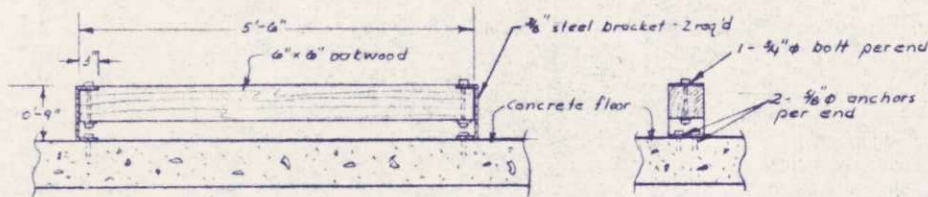
**SUPERIOR, WISCONSIN**  
DATE: JAN 3, 1975  
COMM. 6888 F

**C S. O. PLANT - DISTRICT 2**  
**BAFFLE AND CATWALK**

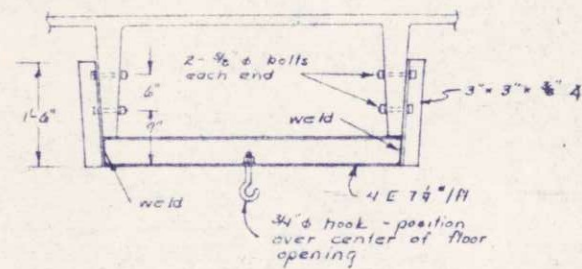
22/53



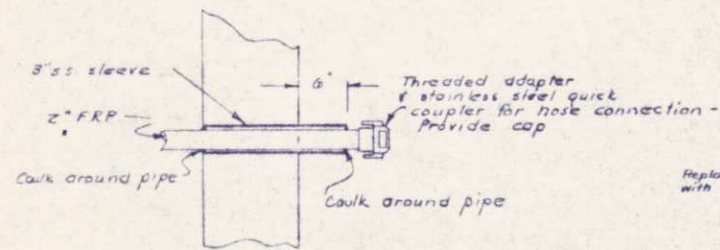
- WATER SYSTEM NOTES**
1. Abbreviations - int. h.b. = interior hose bibb, ext. h.b. = exterior hose bibb, s.e.w. = stop & waste valve.
  2. All valves not labeled shall be gate valves of the same size as line on which located.
  3. All hose bibbs shall be equipped with back-flow preventer per specification.
  4. All items shown shall be as per Mech. Contractor unless otherwise stated.
  5. Provide back-flow preventers per spec. ahead of connections to polymer feed tank, generator set motor cooled pump seals.



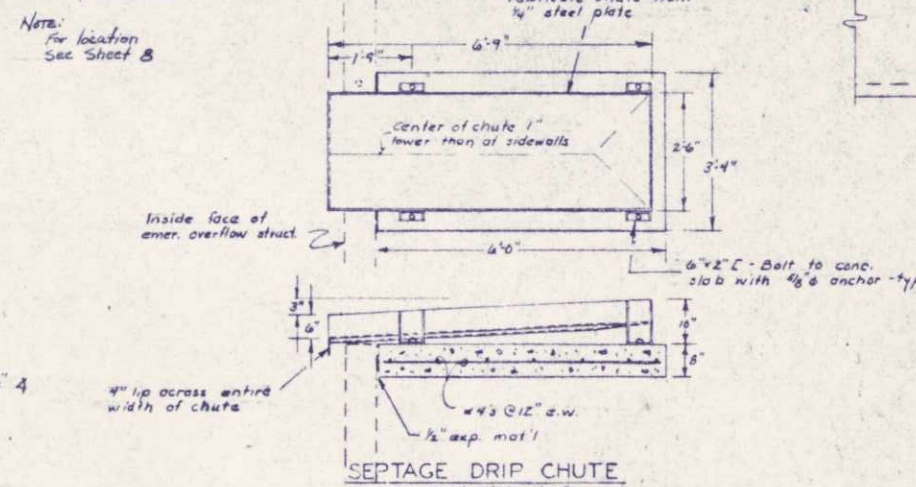
**CONTAINER BUMPER**  
Scale: 3/4" = 1'-0"



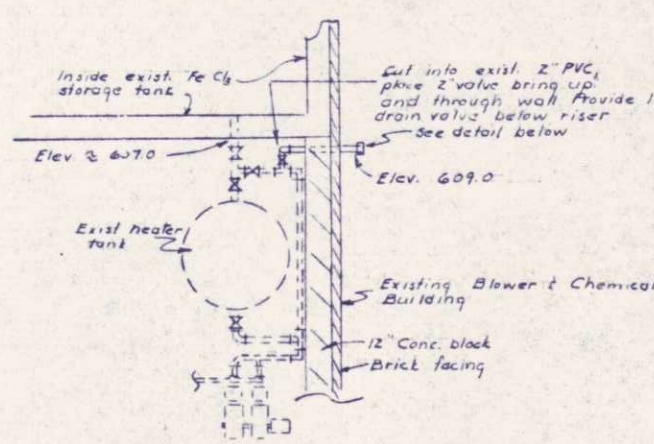
**LIFTING HOOK DETAIL - 2 REQ'D**  
Scale: 3/4" = 1'-0"



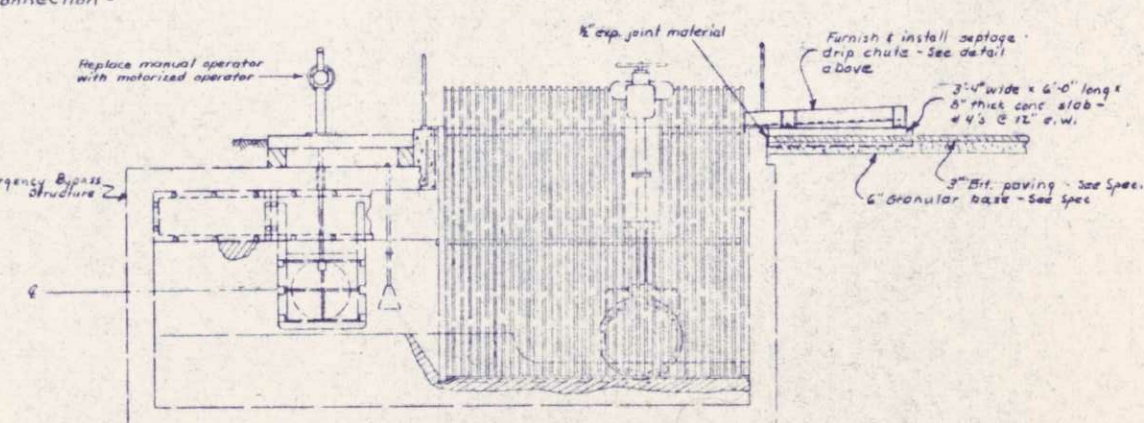
**FERRIC CHLORIDE FILL & TRANSFER LINE DETAIL**  
No Scale



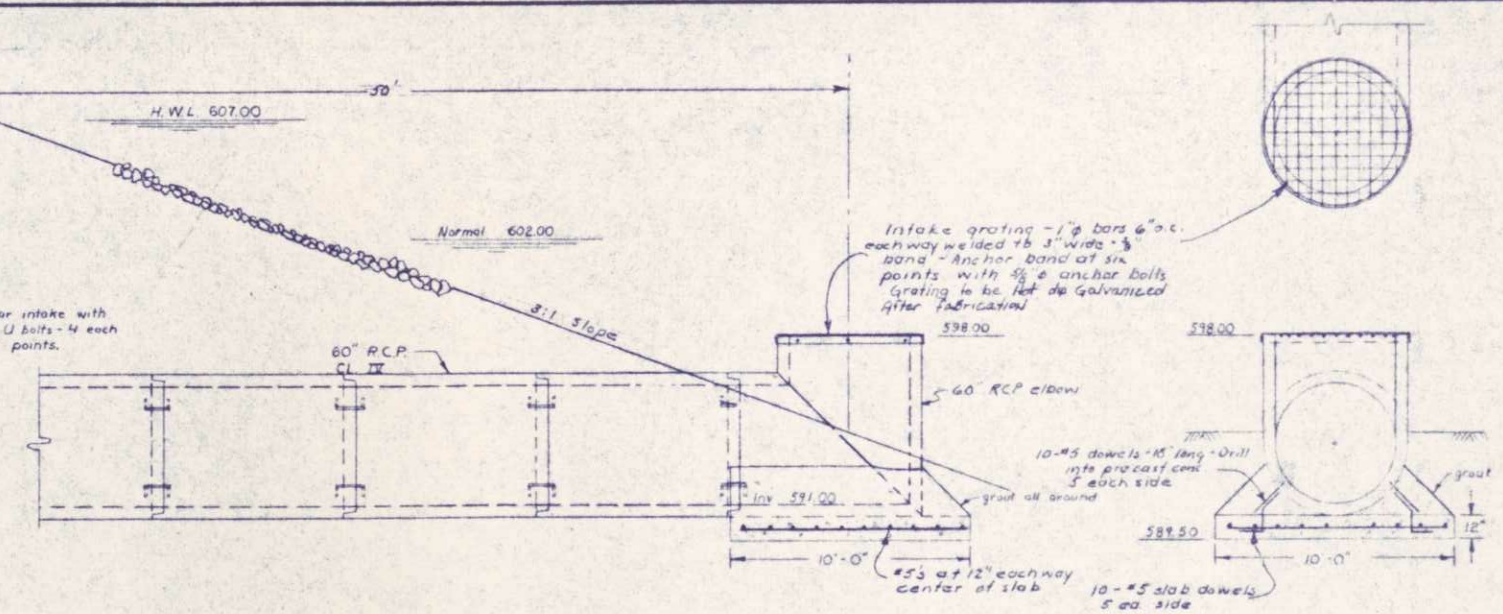
**SEPTAGE DRIP CHUTE**  
Scale: 1/2" = 1'-0"



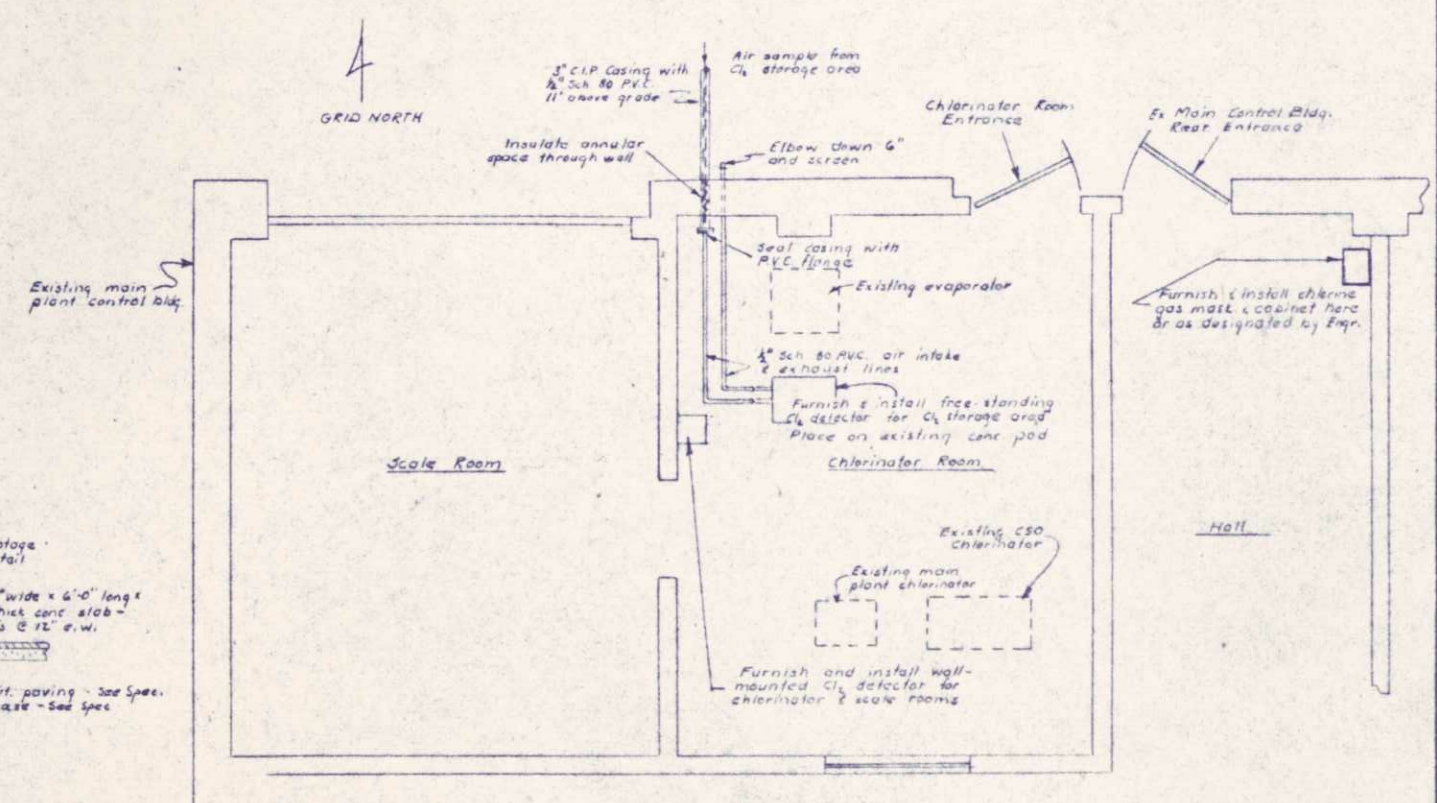
**FERRIC CHLORIDE TRANSFER LINE**  
Scale: 1/4" = 1'-0"



**DETAIL - MOTORIZED OPERATOR ON 30" SLUICE GATE**



**PUMP INTAKE**  
1/4" = 1'-0"



**CHLORINE EQUIPMENT**  
Scale: 3/8" = 1'-0"

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.  
DATE: JUNE 14, 1975 REG. NO. E06599

REVISIONS  
REVISED AND CL. CHECKED  
REVISED AND CL. CHECKED  
REVISED AND CL. CHECKED  
REVISED AND CL. CHECKED

**BONESTRO, ROSENE, ANDERLIK & ASSOC., INC.**  
ST. PAUL, MINNESOTA

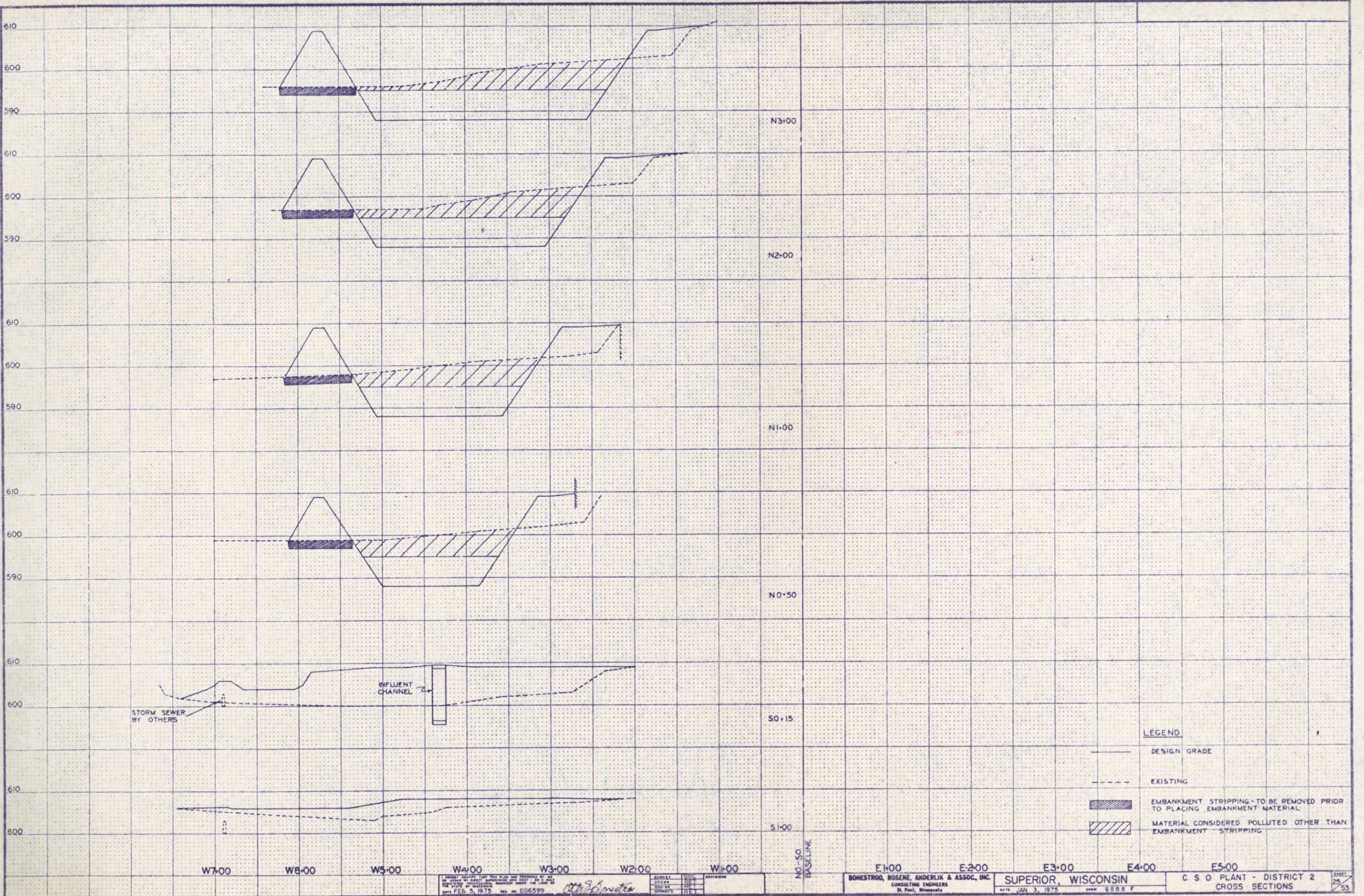
**SUPERIOR, WISCONSIN**  
DATE: JUNE 14, 1975 CDMM 6886 F

**C.S.O. PLANT - DISTRICT 2**  
DETAILS

SHEET 24 OF 53



FUNCTIONAL CROSS SECTION OPEN DITCHES  
A. & E. SOCIETY OF MUNICIPAL ENGINEERS



- LEGEND**
- DESIGN GRADE
  - - - EXISTING
  - ▬ EMBANKMENT STRIPPING - TO BE REMOVED PRIOR TO PLACING EMBANKMENT MATERIAL
  - ▨ MATERIAL CONSIDERED POLLUTED OTHER THAN EMBANKMENT STRIPPING

W7+00      W6+00      W5+00      W4+00      W3+00      W2+00      W1+00      N0+50 BASELINE      E1+00      E2+00      E3+00      E4+00      E5+00

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.  
DATE FEB. 5, 1975      REG. NO. EQ6599

*Handwritten signature*

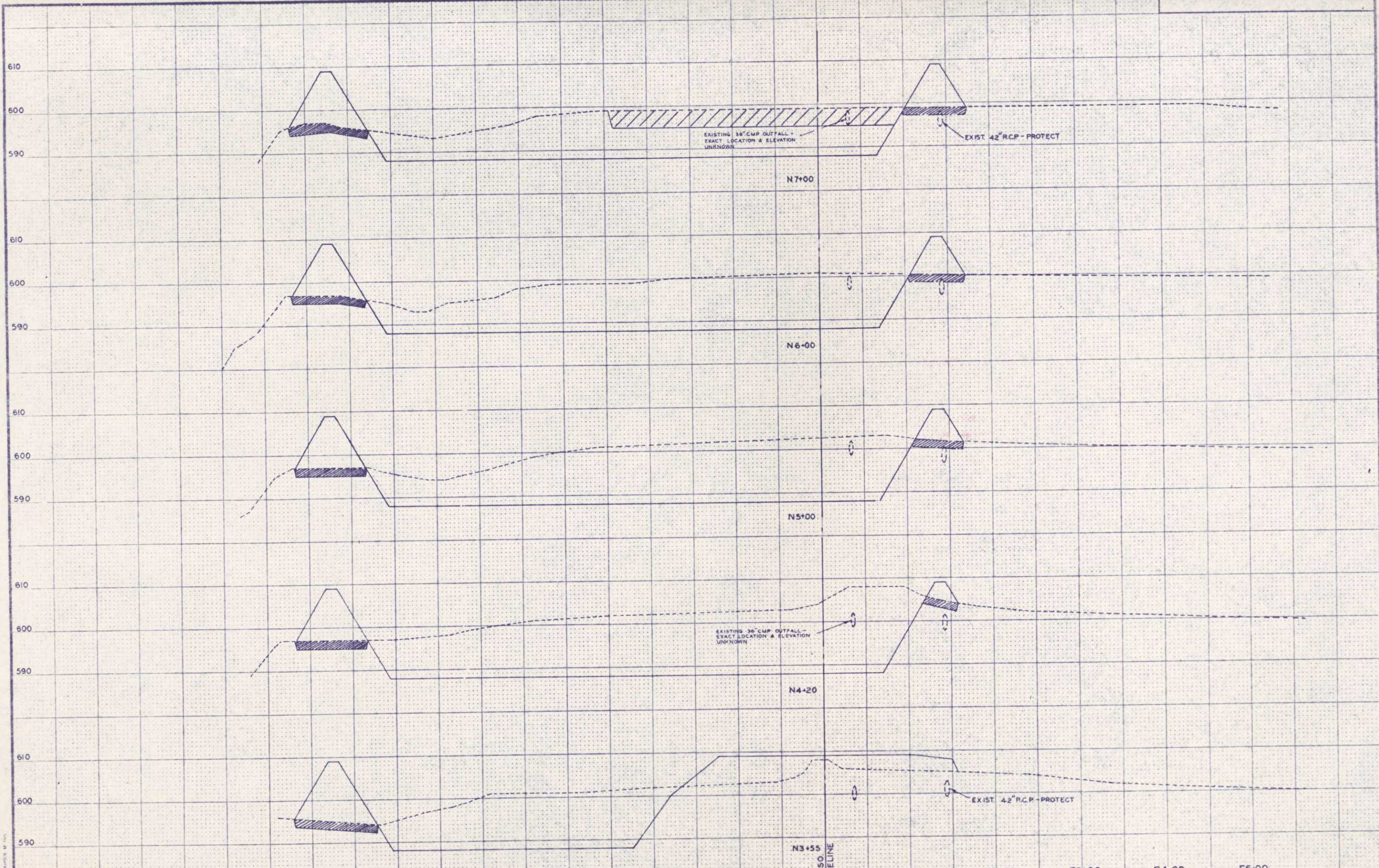
DESIGNED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

**BONESTROG, ROSENE, ANDERLIK & ASSOC., INC.**  
CONSULTING ENGINEERS  
St. Paul, Minnesota

**SUPERIOR, WISCONSIN**  
DATE JAN 3, 1975      DRAW 6888 F

**C S O PLANT - DISTRICT 2**  
CROSS SECTIONS

SHEET  
25  
53



W7+00      W6+00      W5+00      W4+00      W3+00      W2+00      W1+00      NO+50 BASELINE      E1+00      E2+00      E3+00      E4+00      E5+00

ENGINEER CERTIFY THAT THIS PLAN AND SPECIFICATIONS COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS AND RULES AND REGULATIONS AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

DATE: FEB 5, 1975      SHEET NO. EG6593  
*Robert J. ...*

DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

BONESTROG, ROSENE, ANDERLIK & ASSOC., INC.  
 CONSULTING ENGINEERS  
 St. Paul, Minnesota

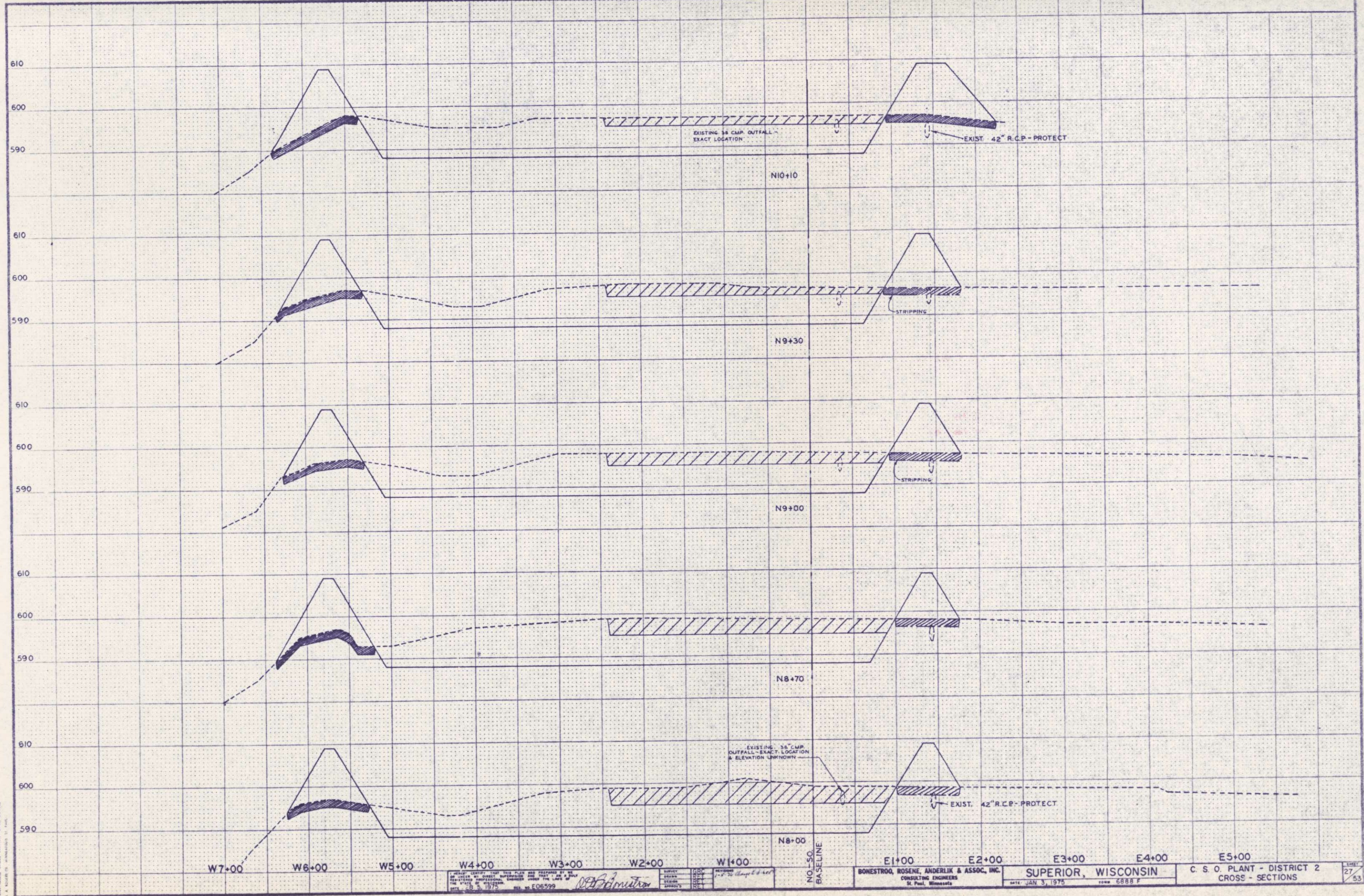
SUPERIOR, WISCONSIN  
 DATE: JAN 3, 1975      DRAWING NO. 6888 F

C. S. O. PLANT - DISTRICT 2  
 CROSS-SECTIONS

SHEET 26 OF 53

FUNCTIONAL CROSS SECTION - OPEN BOTTLER

FUNCTIONAL CROSS SECTION OPER. 10/11/75  
S. A. ROSE, CH. MANAGER



DESIGNED BY: [Signature]  
DRAWN BY: [Signature]  
CHECKED BY: [Signature]  
DATE: FEB 5, 1975  
SHEET NO. E06599

BONESTROO, ROSENE, ANDERLIK & ASSOC., INC.  
CONSULTING ENGINEERS  
St. Paul, Minnesota

SUPERIOR, WISCONSIN  
DATE: JAN 3, 1975  
DRAW: 6888 F

C. S. O. PLANT - DISTRICT 2  
CROSS - SECTIONS  
SHEET 27 OF 53

610  
600  
590  
610  
600  
590  
610  
600  
590

W7+00 W6+00 W5+00 W4+00 W3+00 W2+00 W1+00 E1+00 E2+00 E3+00

N11+30

N10+85

N10+70

EXISTING 42" RCP - PROTECT

EXISTING 36" CMP OUTFALL - EXACT LOCATION & ELEVATION UNKNOWN

FUNCTIONAL CROSS SECTION COPY WRITER

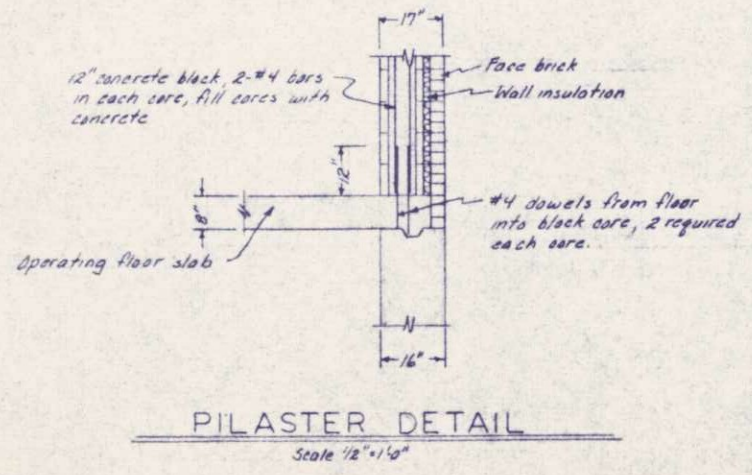
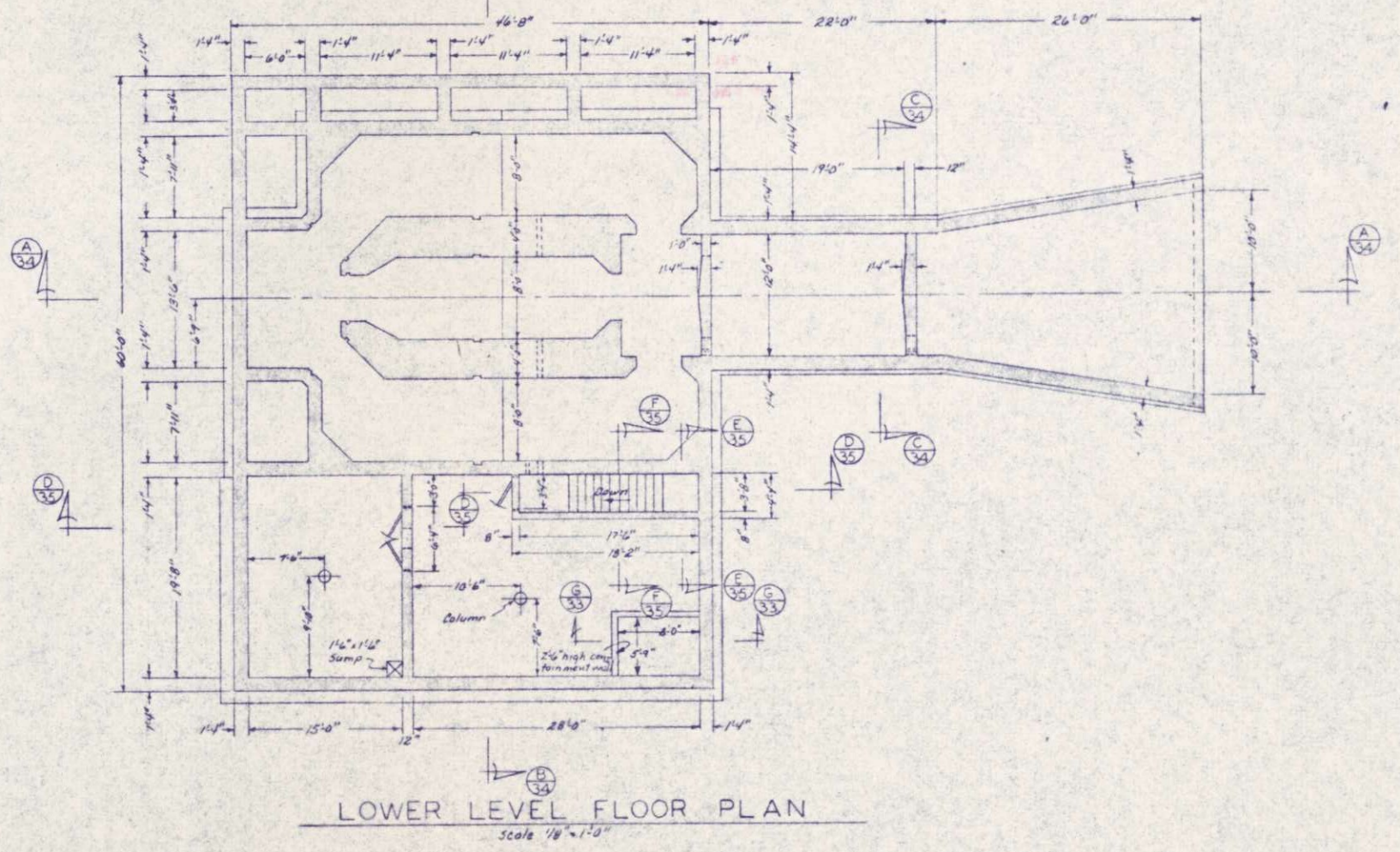
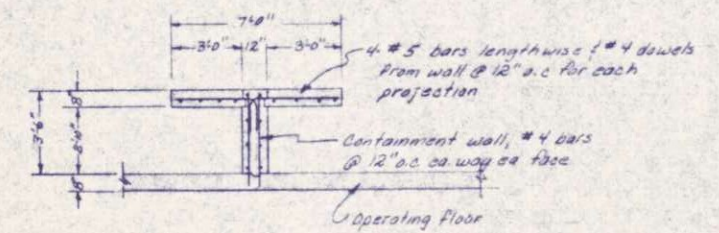
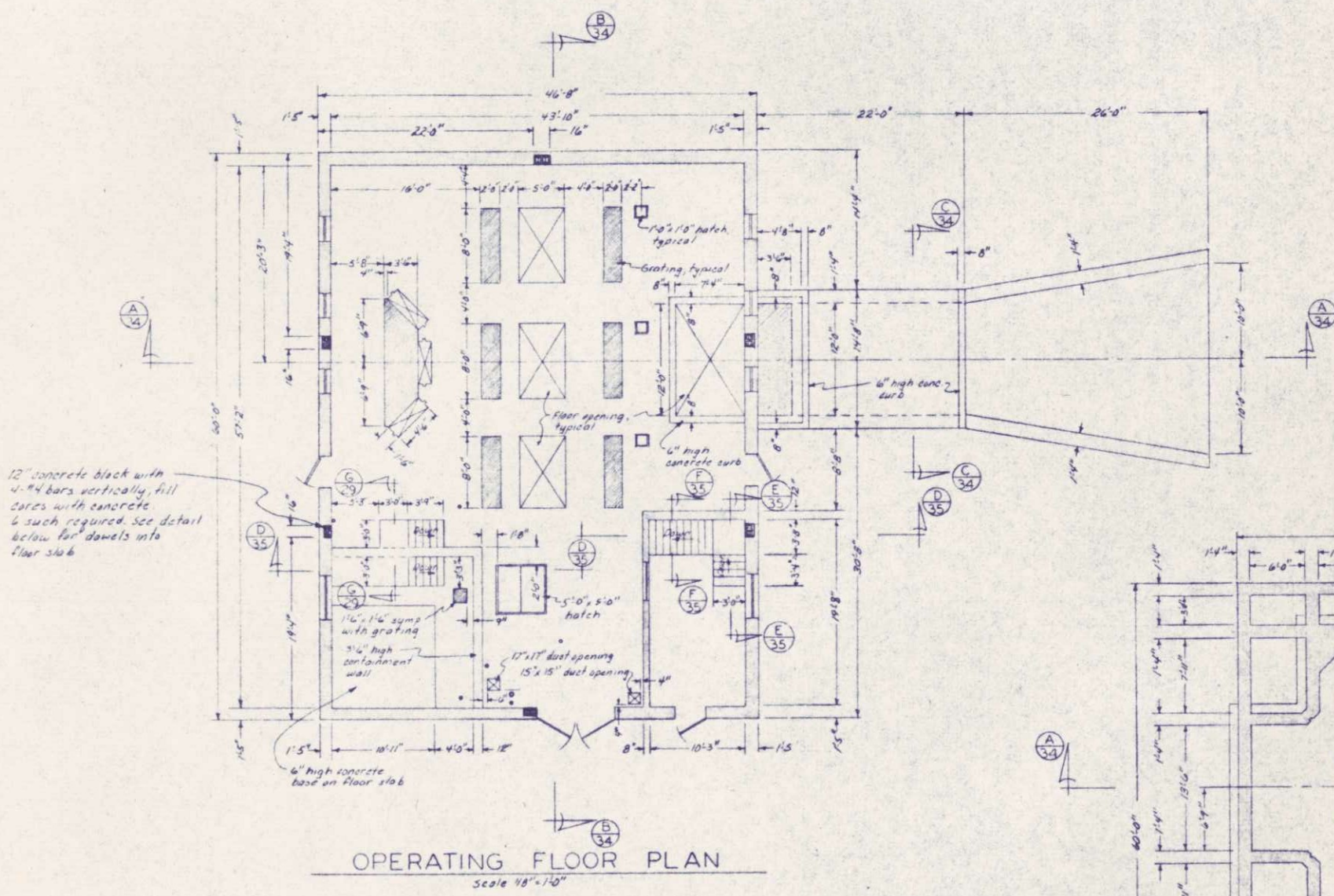
DESIGNED BY: [Signature]  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]  
 DATE: FEB 5, 1975  
 SHEET NO: EQ6899

BONESTROO, ROSENE, ANDERLIK & ASSOC., INC.  
 CONSULTING ENGINEERS  
 St. Paul, Minnesota

SUPERIOR, WISCONSIN  
 DATE: JAN 3, 1975  
 DRAWING NO: 6888 F

C. S. O. PLANT - DISTRICT 2  
 CROSS - SECTIONS

28  
 53



DESIGNED, DRAWN, CHECKED, APPROVED, DATE: JUNE 14, 1975, SHEET NO. E12919

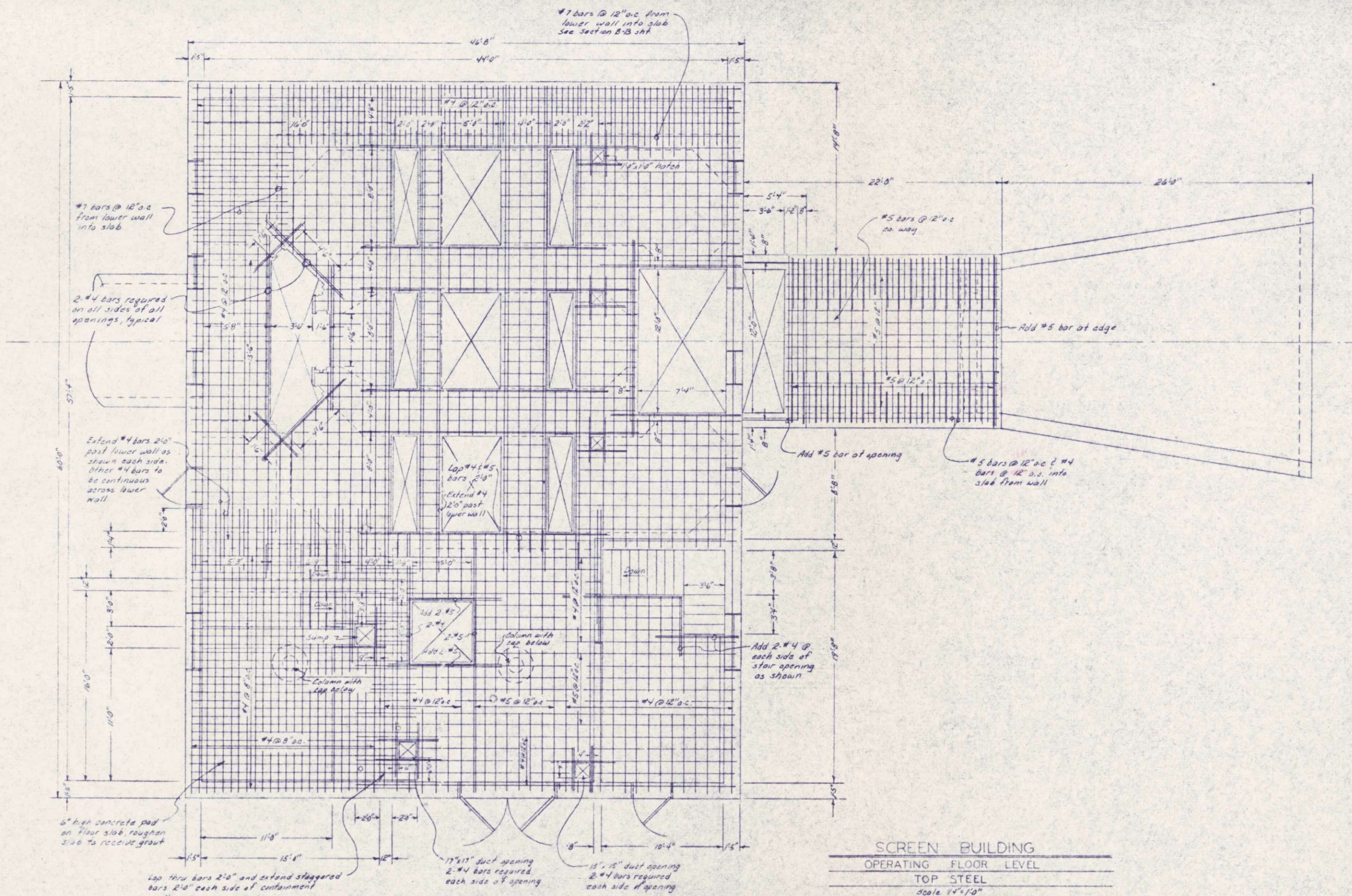
Robert W. Rose

REVISIONS: 01/25/75 Add new containment wall

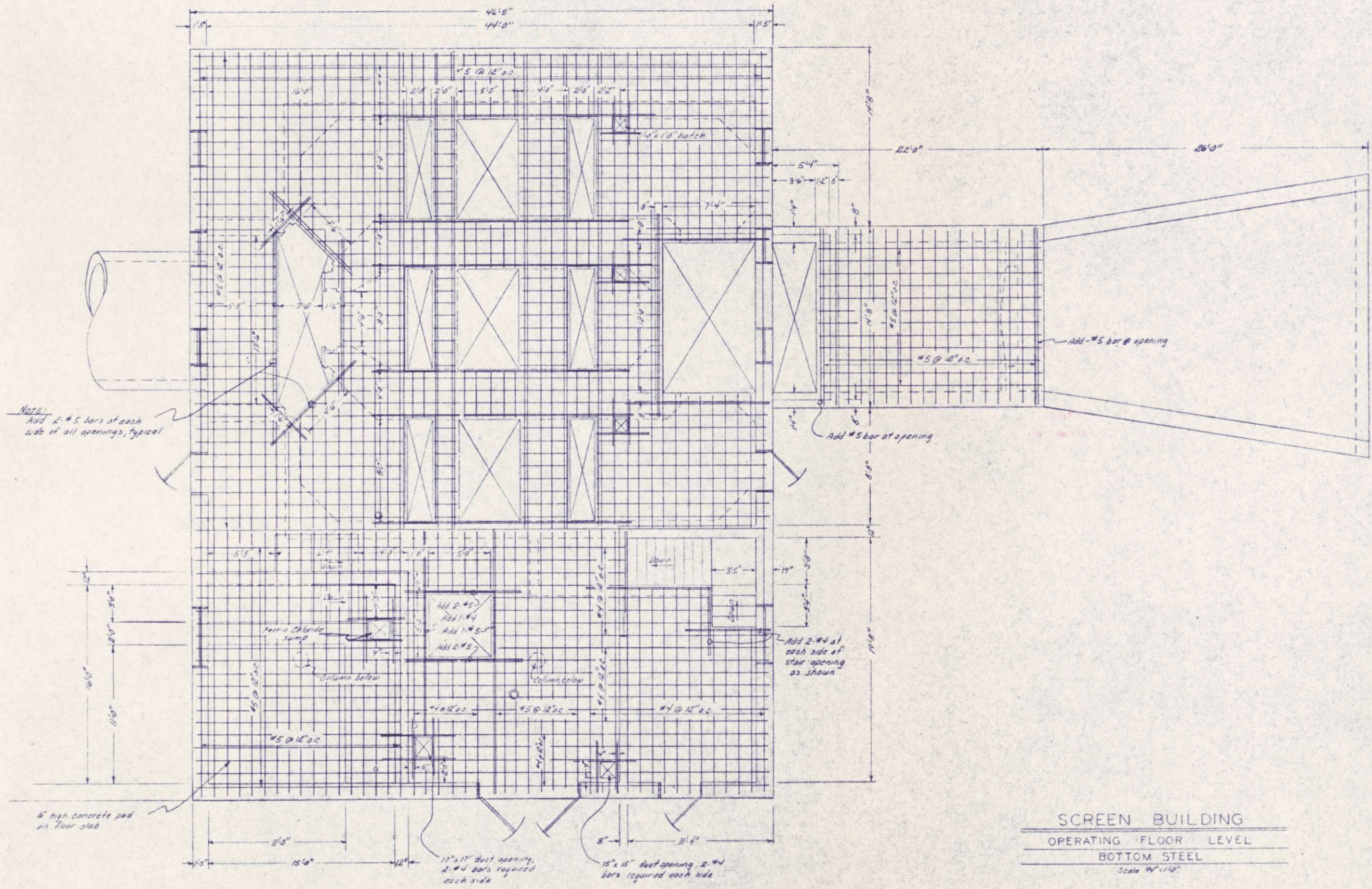
BOBESTROO, ROSENE, ANDERLIK & ASSOC., INC.  
ST. PAUL, MINNESOTA

SUPERIOR, WISCONSIN  
DATE: JUNE 14, 1975  
COMM 6888F

SCREEN BUILDING  
C.S.O. PLANT-DISTRICT 2  
STRUCTURAL FLOOR PLAN  
29/53



SCREEN BUILDING  
 OPERATING FLOOR LEVEL  
 TOP STEEL  
 Scale 1/4" = 1'-0"



SCREEN BUILDING  
 OPERATING FLOOR LEVEL  
 BOTTOM STEEL  
 Scale 1/4" = 1'-0"

NOTE:  
 Add 2 #5 bars at each  
 side of all openings, typical

Add #5 bar at opening

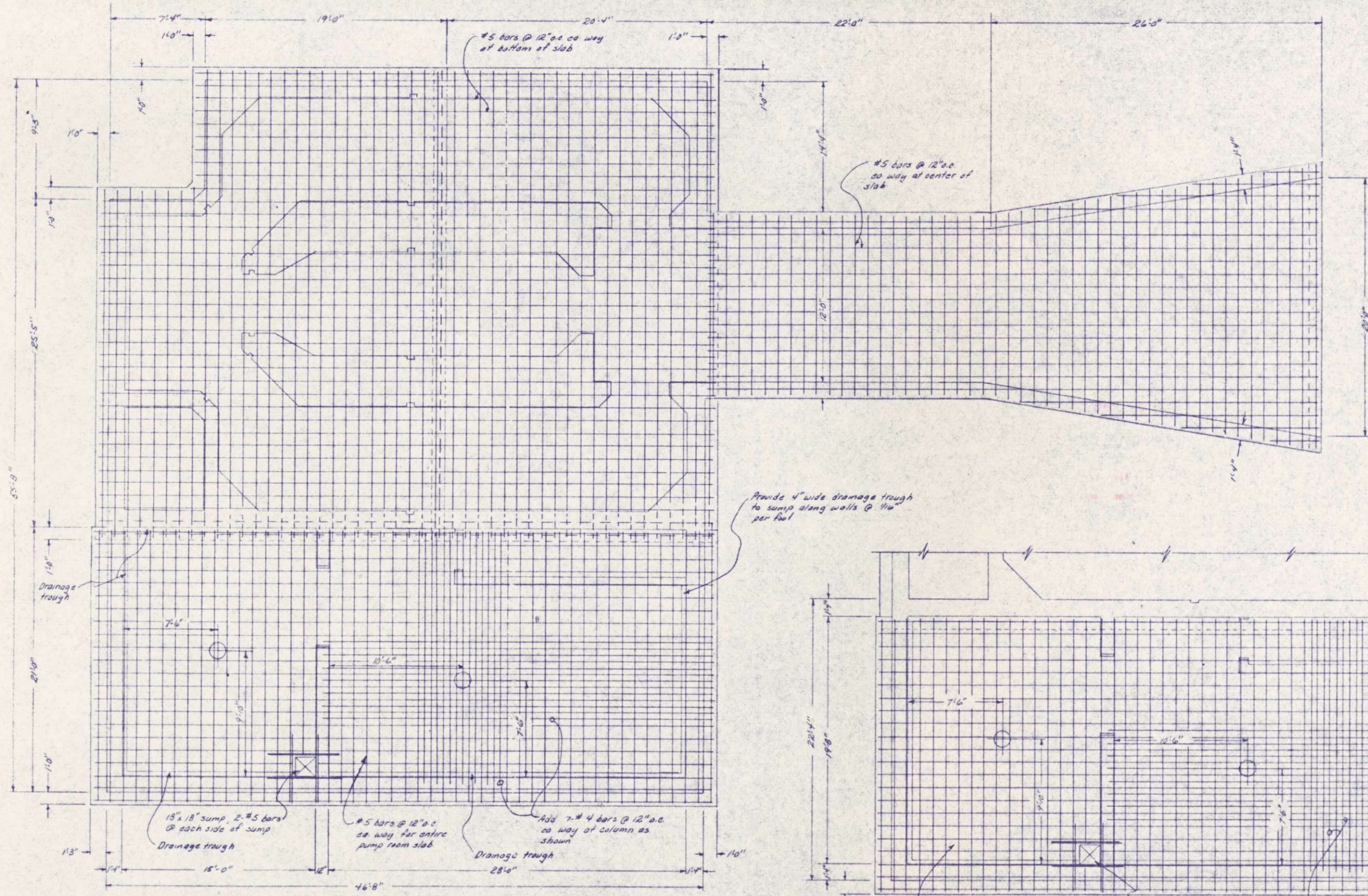
Add #5 bar @ opening

Add 2 #4 at  
 each side of  
 star opening  
 as shown

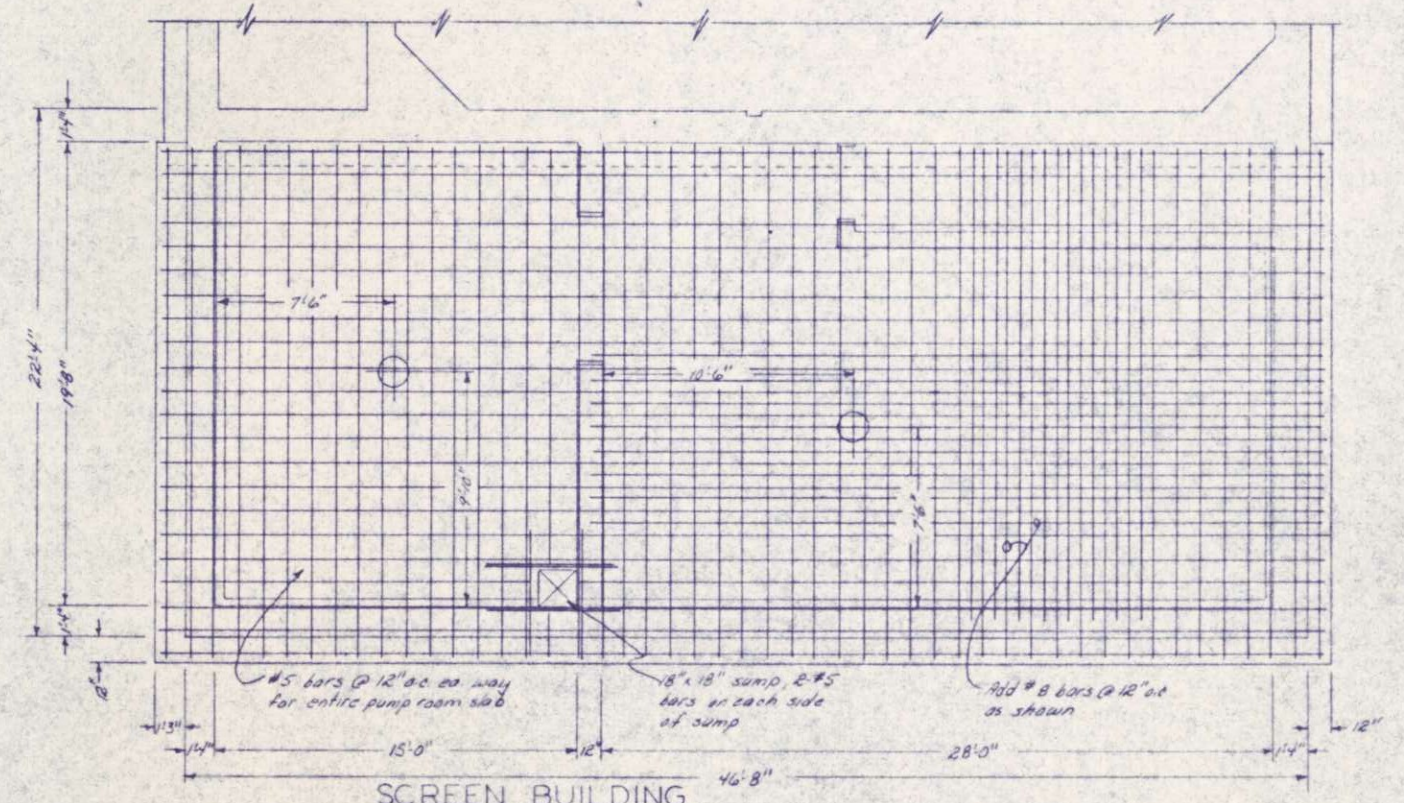
17'-0" x 17'-0" dust opening,  
 2 #4 bars required  
 each side

15'-0" x 15'-0" dust opening, 2 #4  
 bars required each side

6" high concrete pad  
 on floor slab



**NOTE:**  
 Top steel for the screen room slab shall be the same as the bottom steel. The top steel for the pump room is shown below one layer of steel is required for the outlet slab as shown above.



SCREEN BUILDING  
 LOWER FLOOR LEVEL  
 BOTTOM STEEL  
 Scale 1/4" = 1'-0"

SCREEN BUILDING  
 LOWER FLOOR LEVEL  
 TOP STEEL  
 Scale 1/4" = 1'-0"

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY CLOSE SUPERVISION AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.  
 DATE: JUNE 14, 1975 REG. NO. E12919 Robert W. Rowe

REVISIONS	

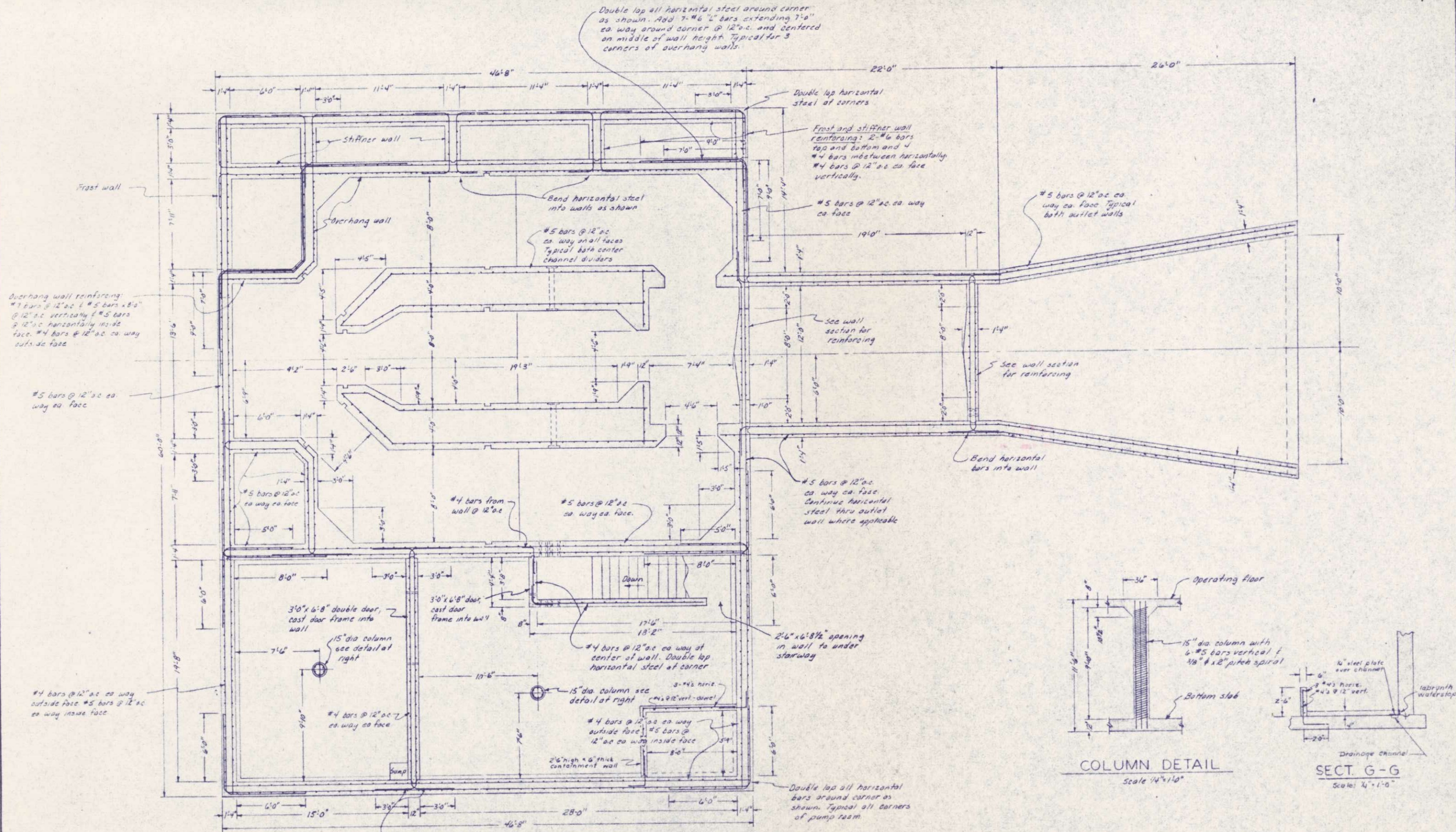
**HONESTROG, ROSENE, ANDERLIK & ASSOC., INC.**  
 ST. PAUL, MINNESOTA

**SUPERIOR, WISCONSIN**  
 DATE: JUNE 14, 1975 COMM 6688F

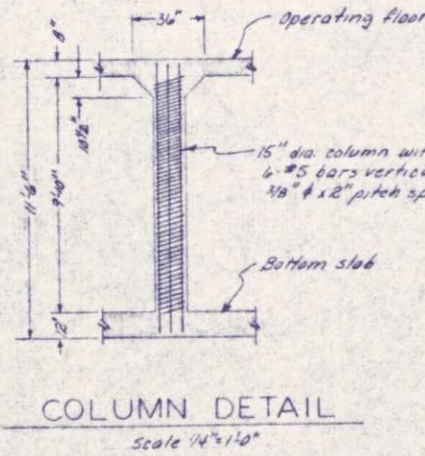
**SCREEN BUILDING**  
 C.S.O. PLANT-DISTRICT 2  
 LOWER FLOOR STRUCTURAL

SHEET  
 32  
 53

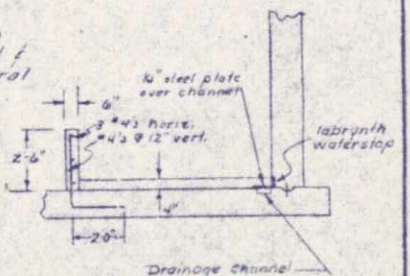




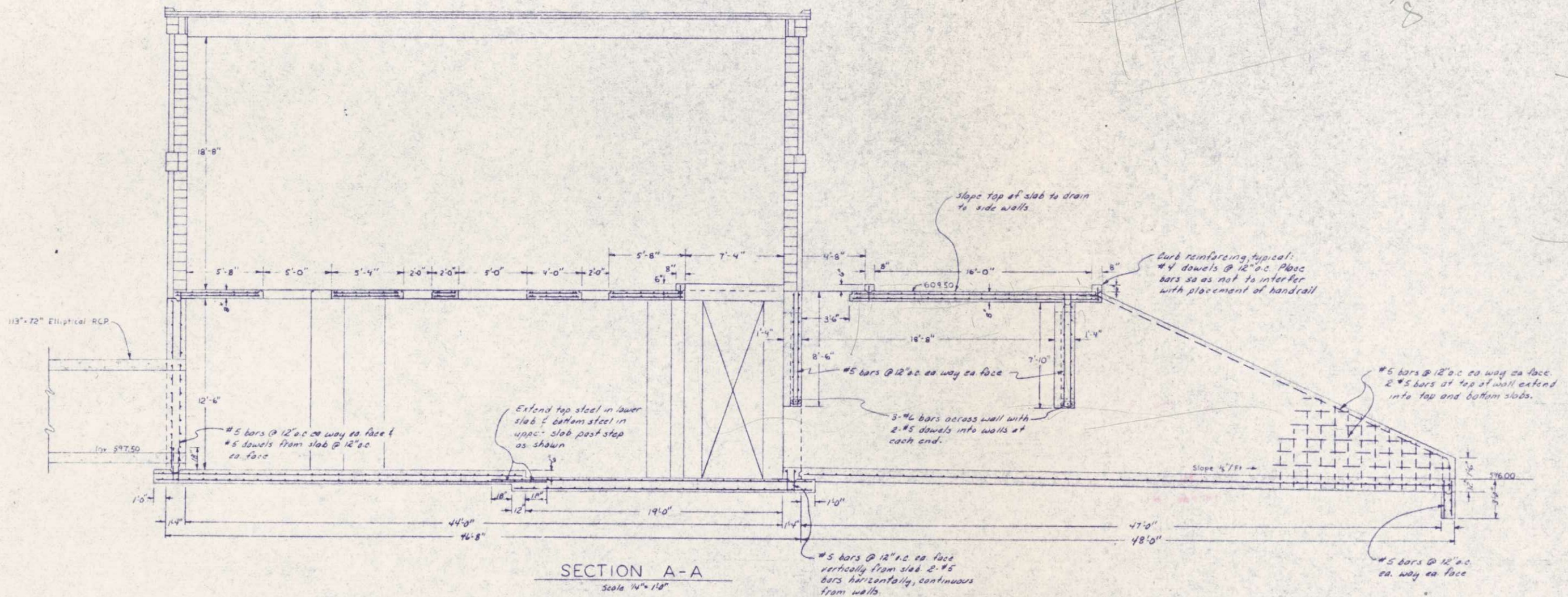
LOWER WALL REINFORCING DETAIL  
Scale 1/4" = 1'-0"



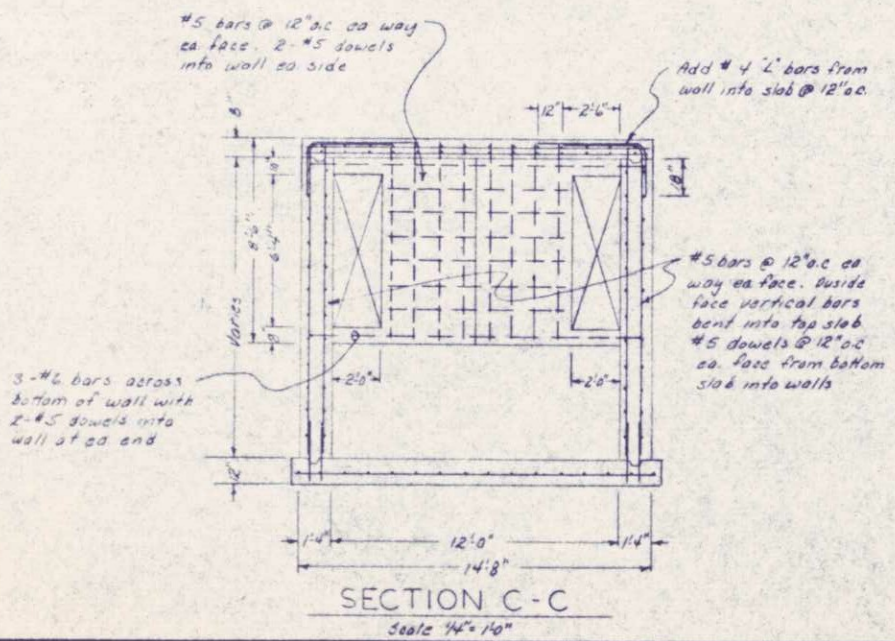
COLUMN DETAIL  
Scale 1/4" = 1'-0"



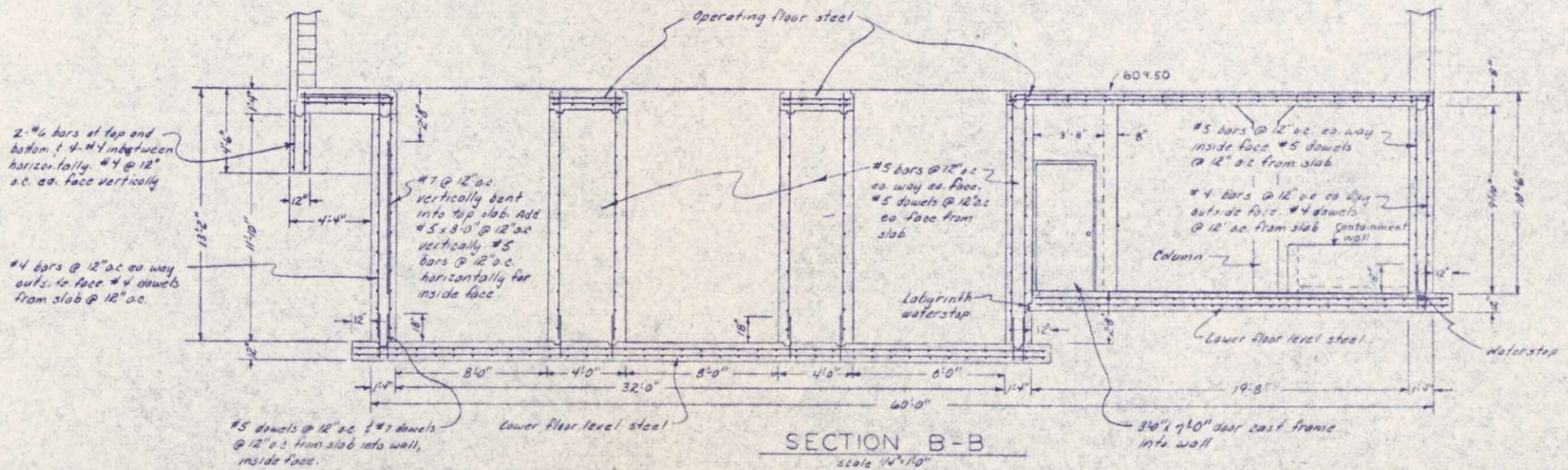
SECT. G-G  
Scale 1/4" = 1'-0"



SECTION A-A  
Scale 1/4" = 1'-0"



SECTION C-C  
Scale 1/4" = 1'-0"



SECTION B-B  
Scale 1/4" = 1'-0"

PROFESSIONAL ENGINEER  
STATE OF WISCONSIN  
FEB 5, 1975  
E12919

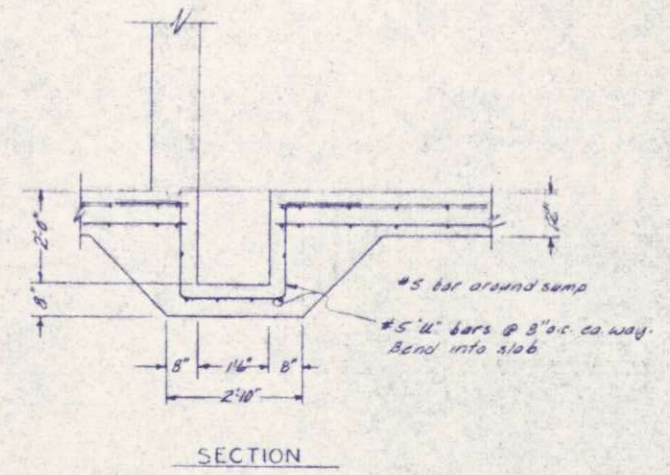
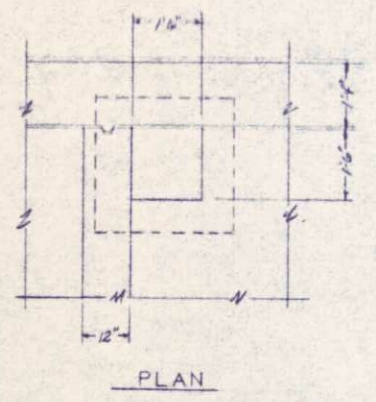
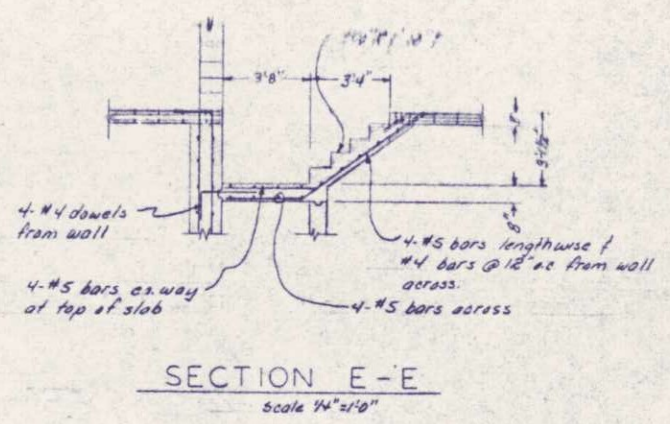
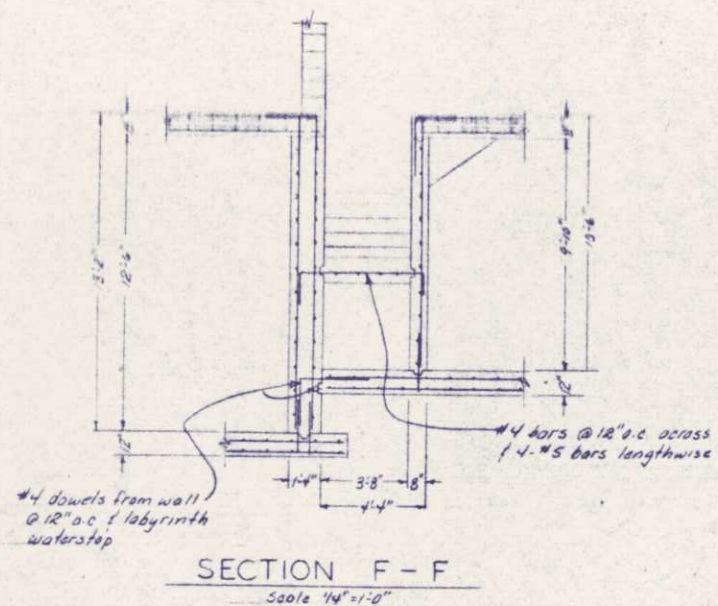
REVISIONS  
DATE  
BY  
APPROVED  
DATE  
BY

BORESTROO, ROSENE, ANDERLIK & ASSOC., INC.  
ST. PAUL, MINNESOTA

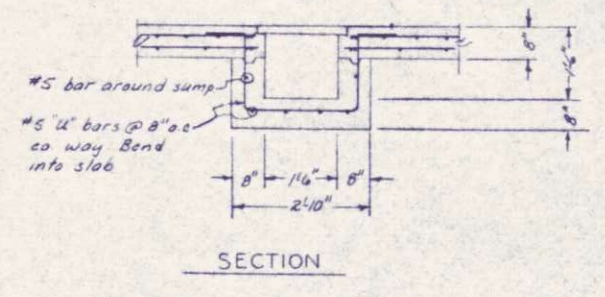
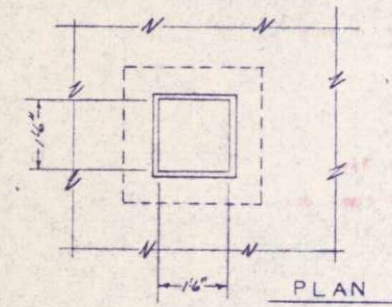
SUPERIOR, WISCONSIN  
DATE: JAN 3, 1975  
COMM 6886 F

SCREEN BUILDING  
C.S.O. PLANT-DISTRICT 2  
STRUCTURAL SECTIONS

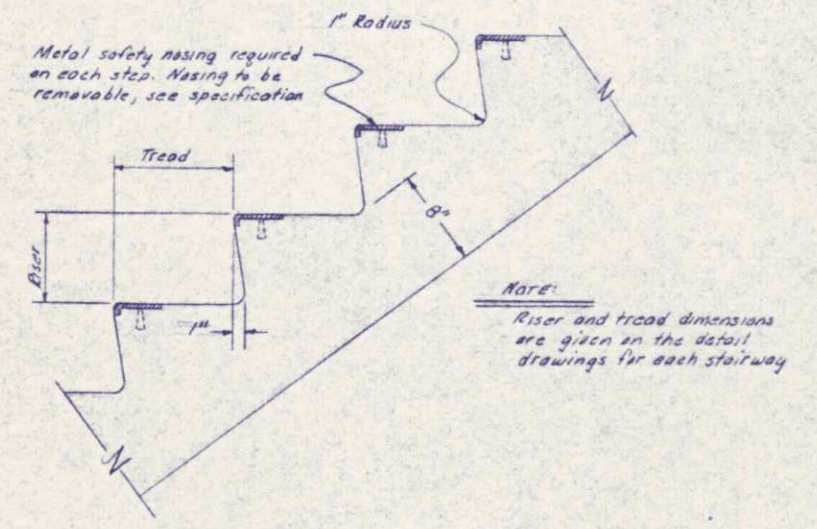
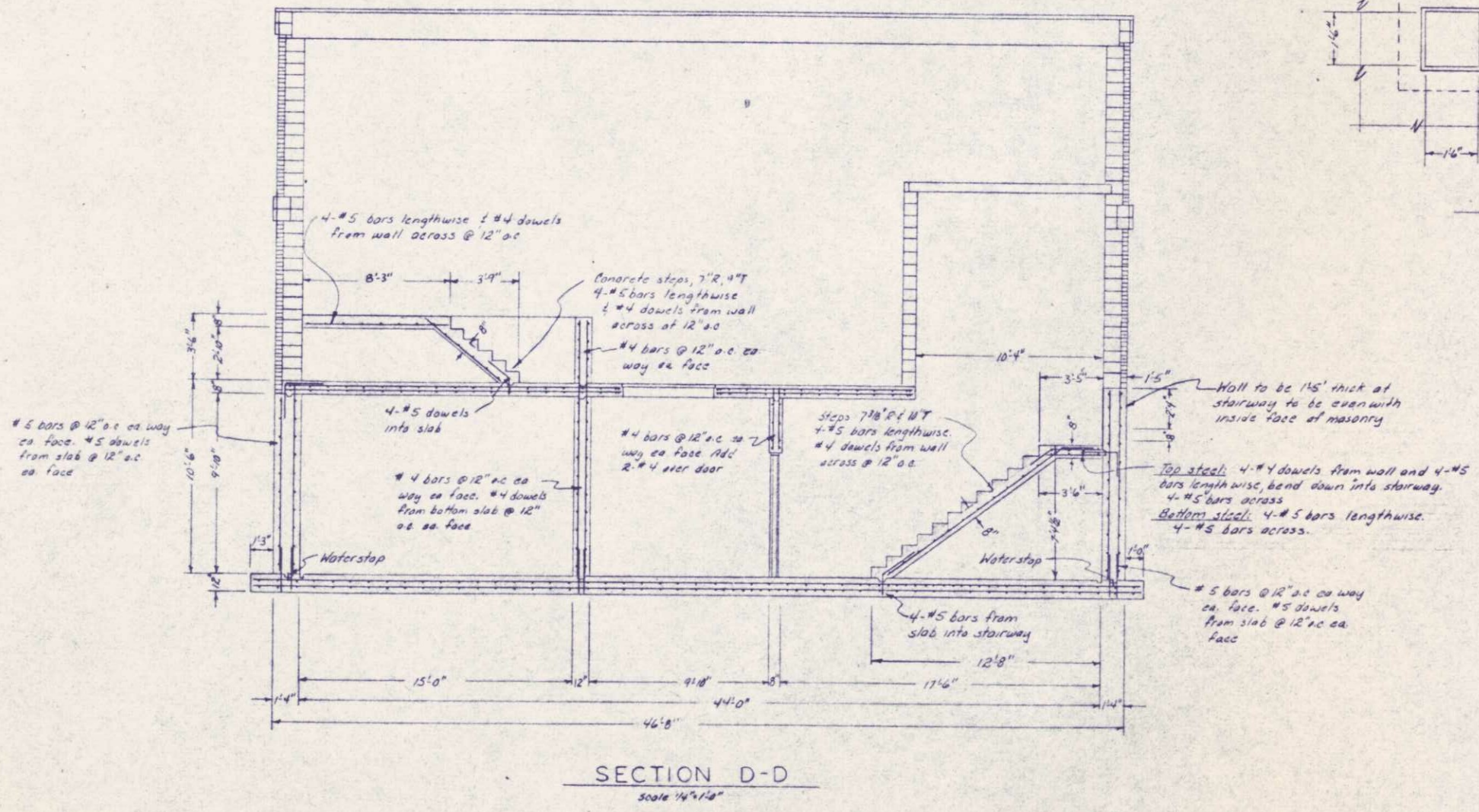
34  
53



LOWER LEVEL SUMP  
Scale 1/2" = 1'-0"



FERRIC CHLORIDE SUMP  
Scale 1/2" = 1'-0"



I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.  
DATE: JUNE 14, 1975  
E12919

Robert W. Rowan

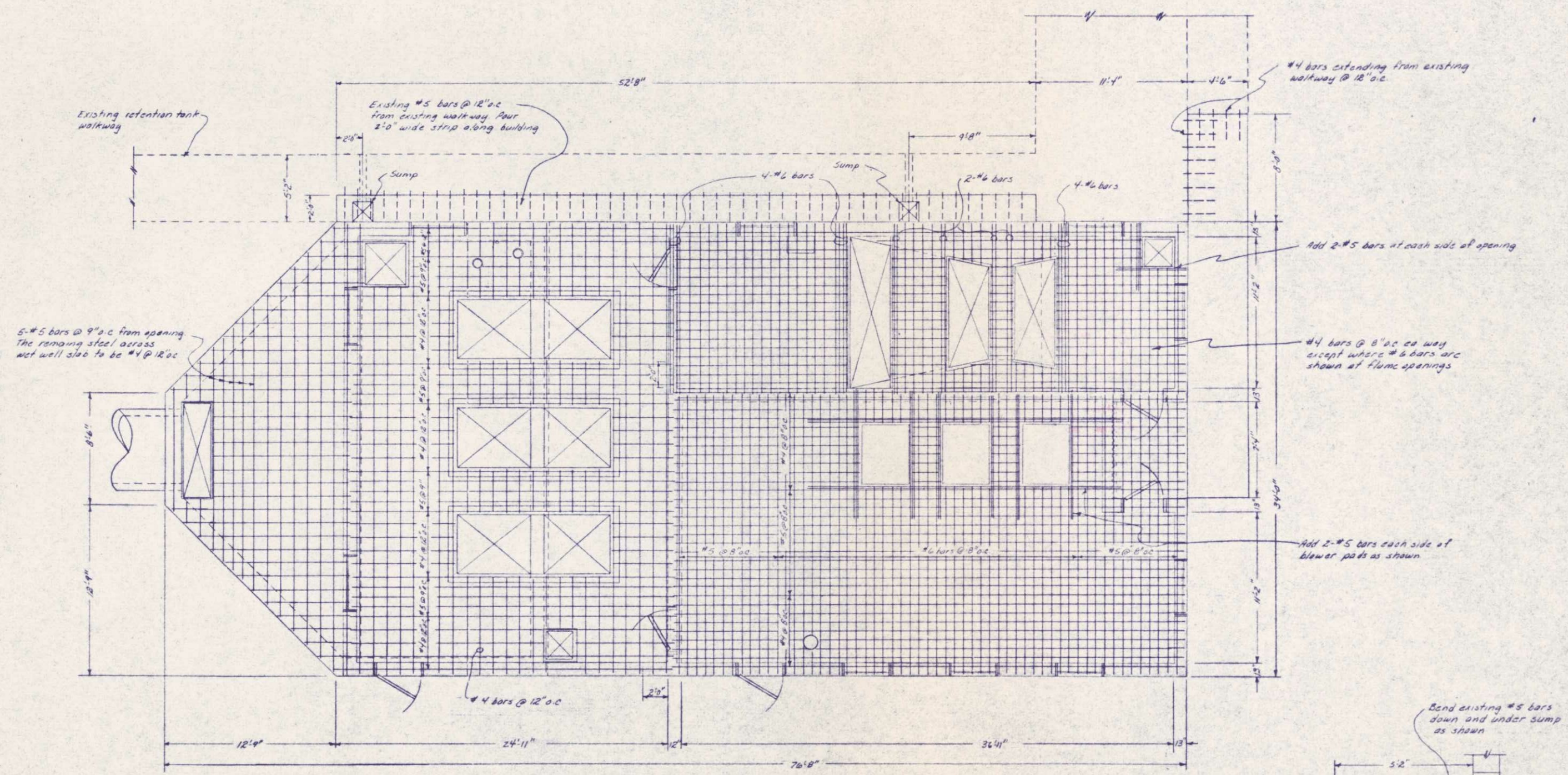
SURVEY		REVISIONS	
DRAWN	RWF		
DESIGN	RWR		
APPROVED	RWR		

BONESTROO, ROSENE, ANDERLIK & ASSOC., INC.  
ST. PAUL, MINNESOTA

SUPERIOR, WISCONSIN  
DATE: JUNE 14, 1975  
COMM 6888F

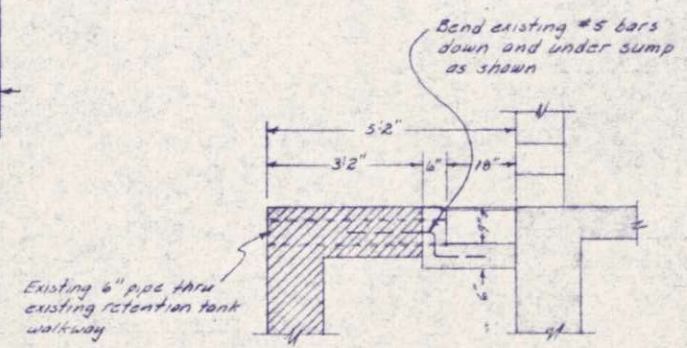
SCREEN BUILDING  
C.S.O. PLANT-DISTRICT 2  
STRUCTURAL SECTIONS



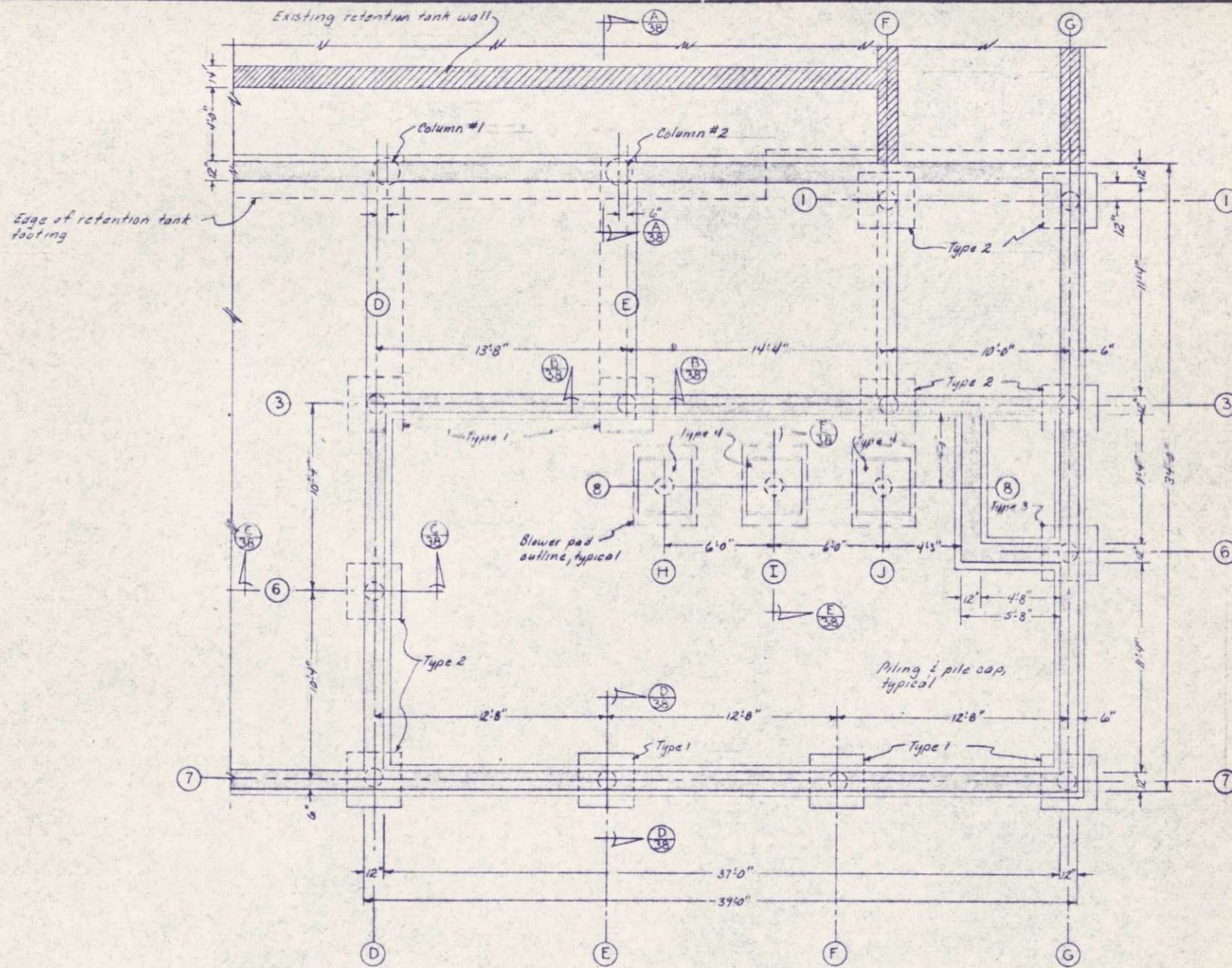


OPERATING FLOOR  
 BOTTOM STEEL  
 Scale 1/4" = 1'-0"

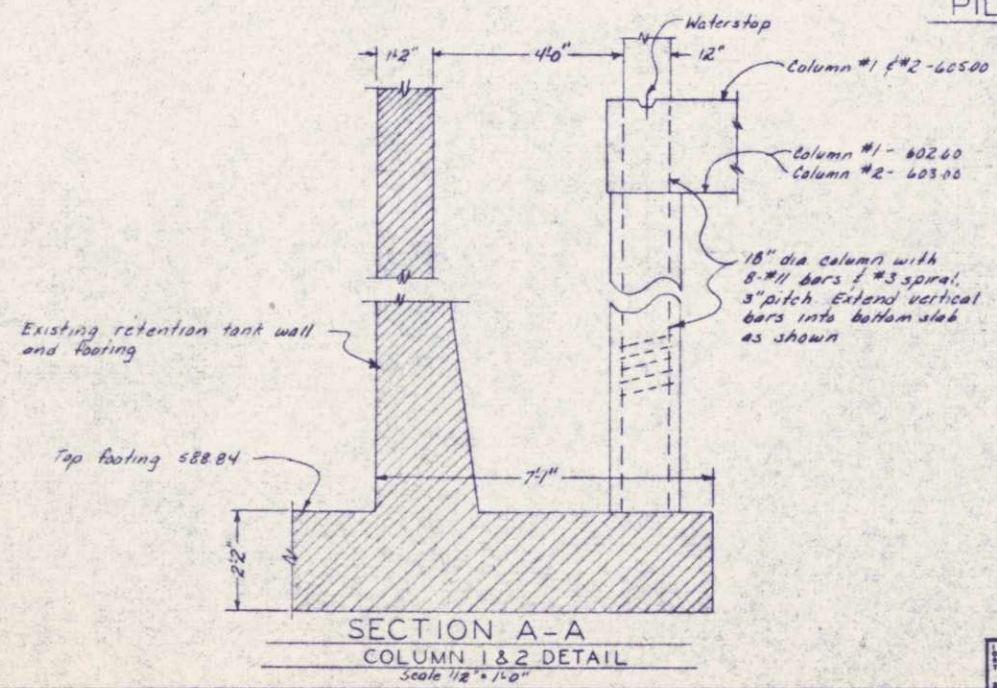
NOTE:  
 See building sections on sheet  
 for top slab reinforcing.



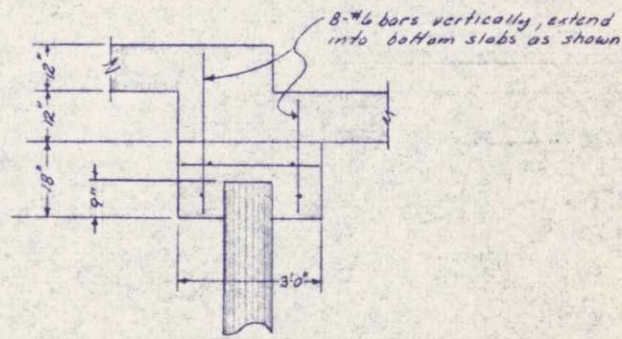
RETENTION TANK WALK  
 & SUMP DETAIL  
 Scale 3/4" = 1'-0" PUMP & BLOWER BLDG.



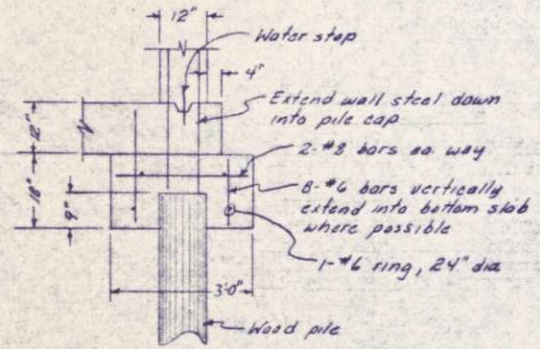
**PILING LAYOUT**  
Scale 1/4" = 1'-0"



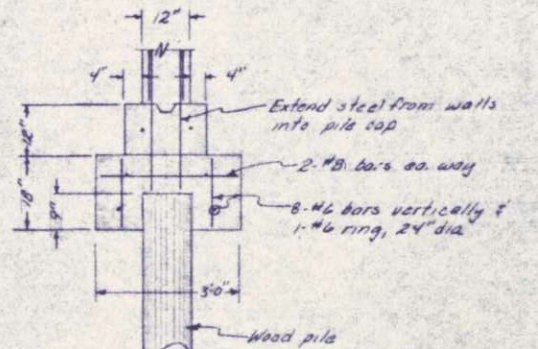
**SECTION A-A**  
COLUMN 1 & 2 DETAIL  
Scale 1/2" = 1'-0"



**SECTION B-B**  
TYPE 1 PILE CAP  
Scale 1/2" = 1'-0"



**SECTION C-C**  
TYPE 2 PILE CAP  
Scale 1/2" = 1'-0"

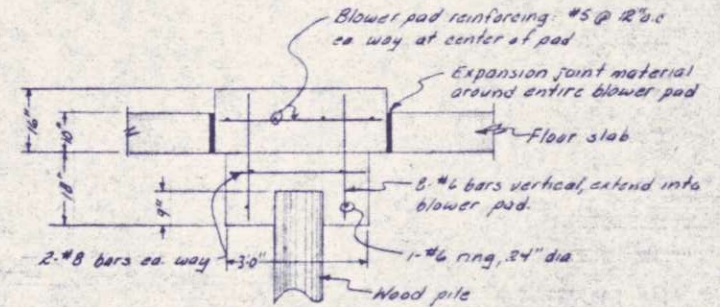


**SECTION D-D**  
TYPE 3 PILE CAP  
Scale 3/4" = 1'-0"

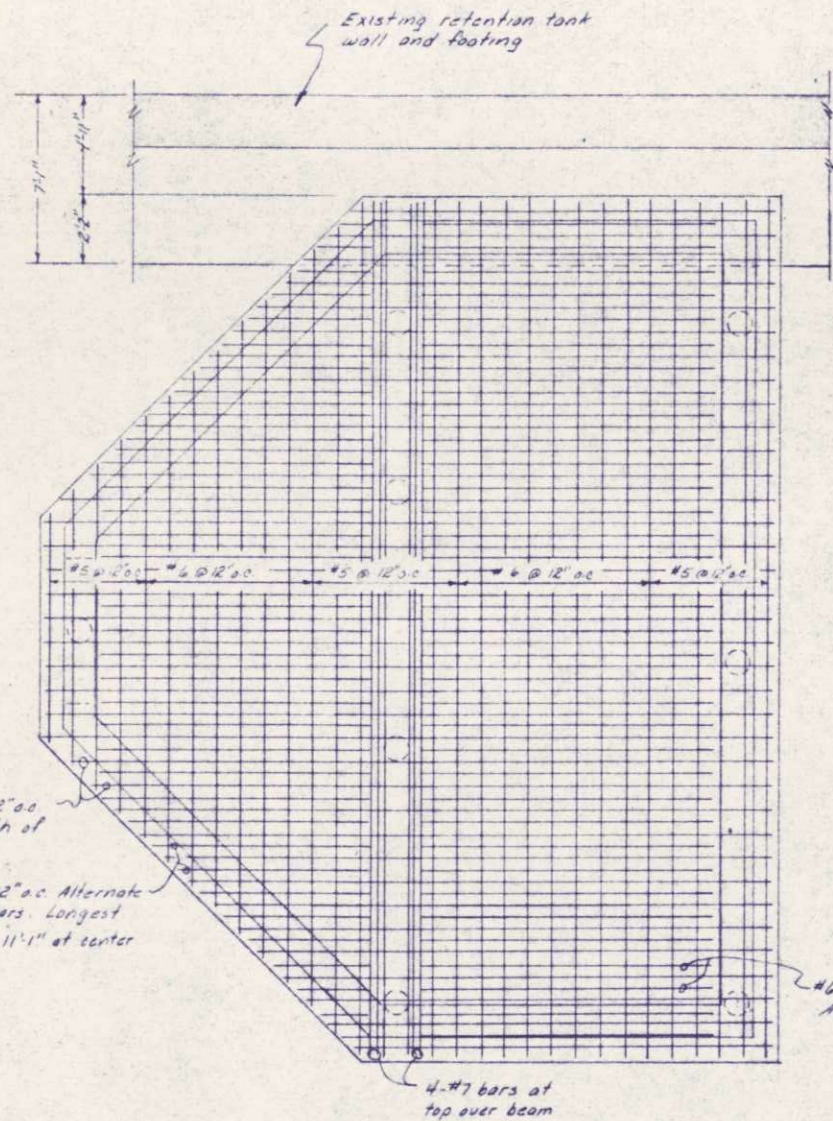
**TIMBER PILE SCHEDULE**

PILE No.	CUT OFF ELEV.	LENGTH	DRIVEN LENGTH
A-4	589.17	25	
B-1	589.17	25	
B-2	589.17	25	
B-5	589.17	25	
B-7	589.17	25	
C-1	589.17	25	
C-4	589.17	25	
C-7	589.17	25	
D-8	601.25	36.25	
D-6	601.25	36.25	
D-9	601.25	36.25	
E-3	602.25	37.25	
E-7	603.75	38.75	
F-1	604.25	39.25	
F-3	594.25	29.25	
F-7	603.25	38.75	
G-1	594.25	29.25	
G-3	594.25	29.25	
G-6	603.25	38.75	
G-7	603.25	38.75	
H-8	607.92	40	
I-8	607.92	40	
J-8	607.92	40	

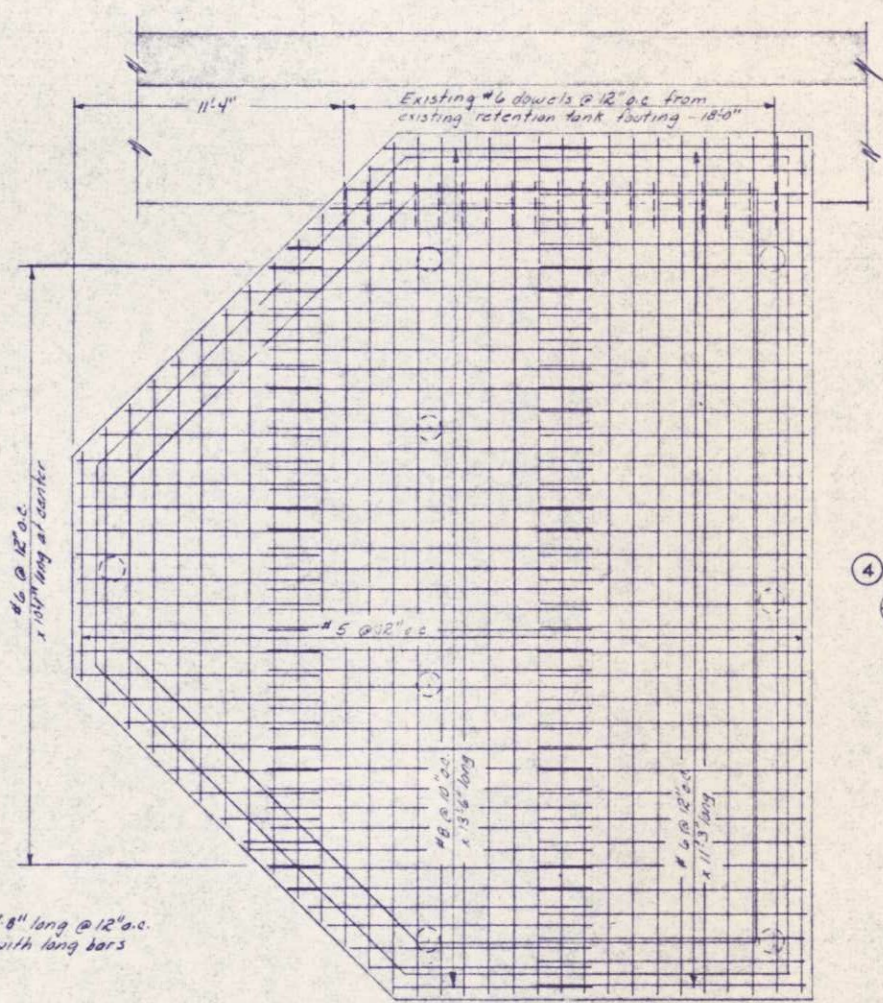
**NOTE:**  
See sheet 39 for pile location for wet well bottom slab.



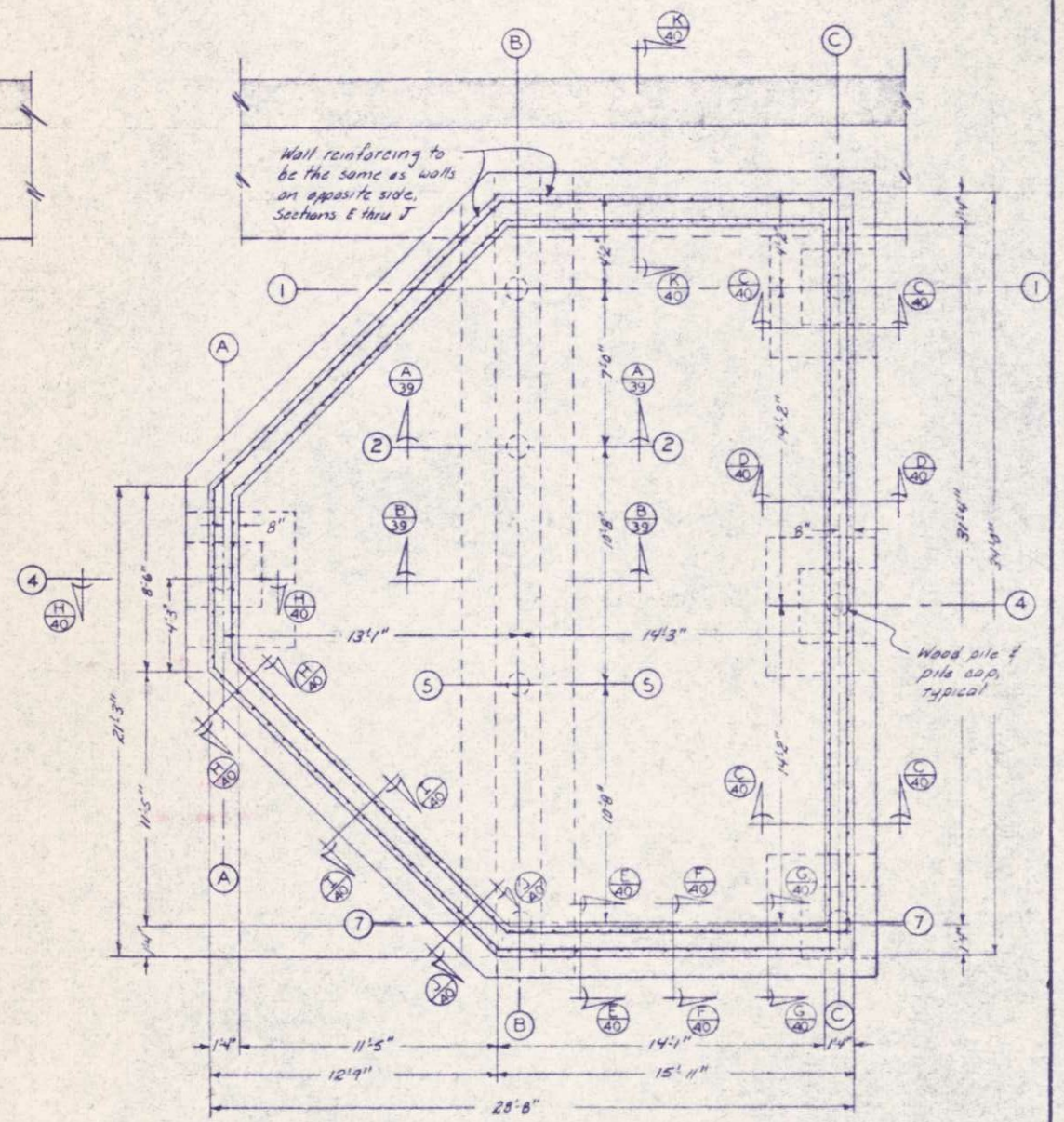
**SECTION E-E**  
TYPE 4 PILE CAP  
Scale 1/2" = 1'-0"



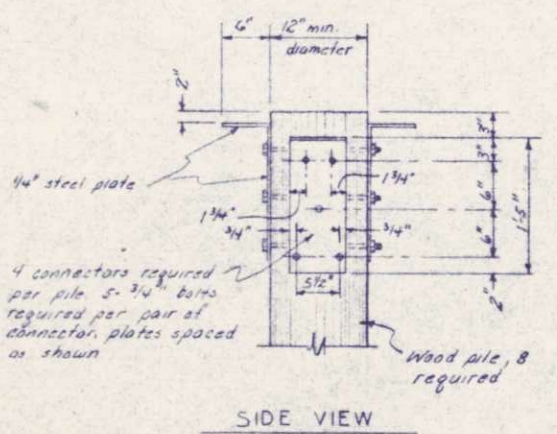
**WET WELL SLAB**  
TOP STEEL  
Scale 1/4" = 1'-0"



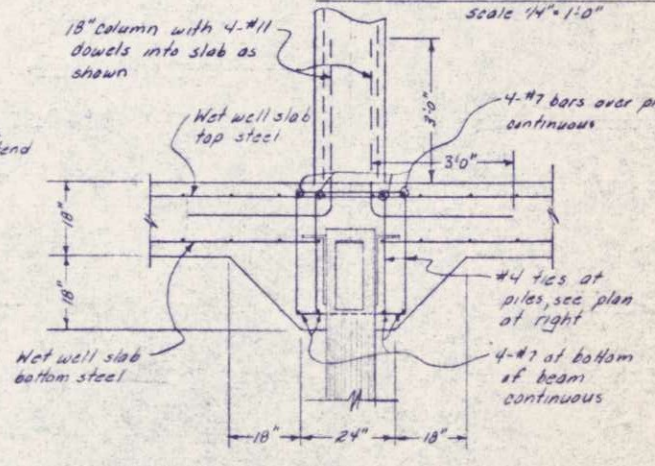
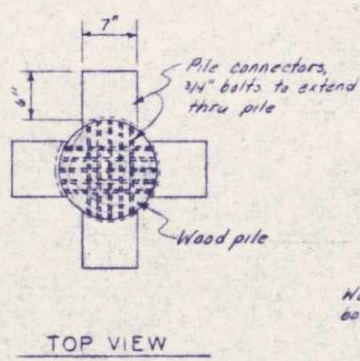
**WET WELL SLAB**  
BOTTOM STEEL  
Scale 1/4" = 1'-0"



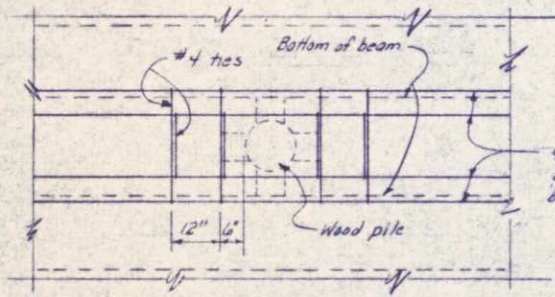
**WET WELL SLAB**  
PILING LOCATION  
Scale 1/4" = 1'-0"



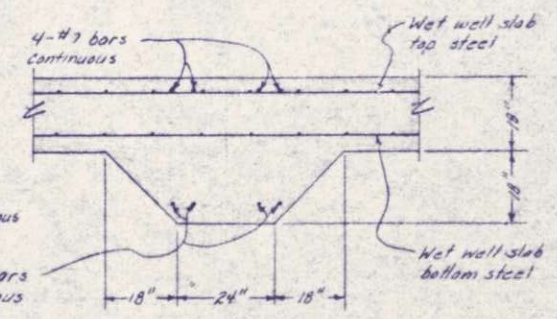
**PILE CONNECTOR DETAIL**  
Scale 1" = 1'-0"



**SECTION A - A**



**PLAN VIEW**



**SECTION B - B**

**CONCRETE BEAM DETAILS**  
Scale 1/2" = 1'-0"

MINIATURE COPY OF THIS PLAN WAS PREPARED BY ME AS A MEMBER OF THE PROFESSIONAL ENGINEERS UNDER THE LAWS OF THE STATE OF WISCONSIN.  
DATE: JUNE 14, 1975. REG. NO. E 11813

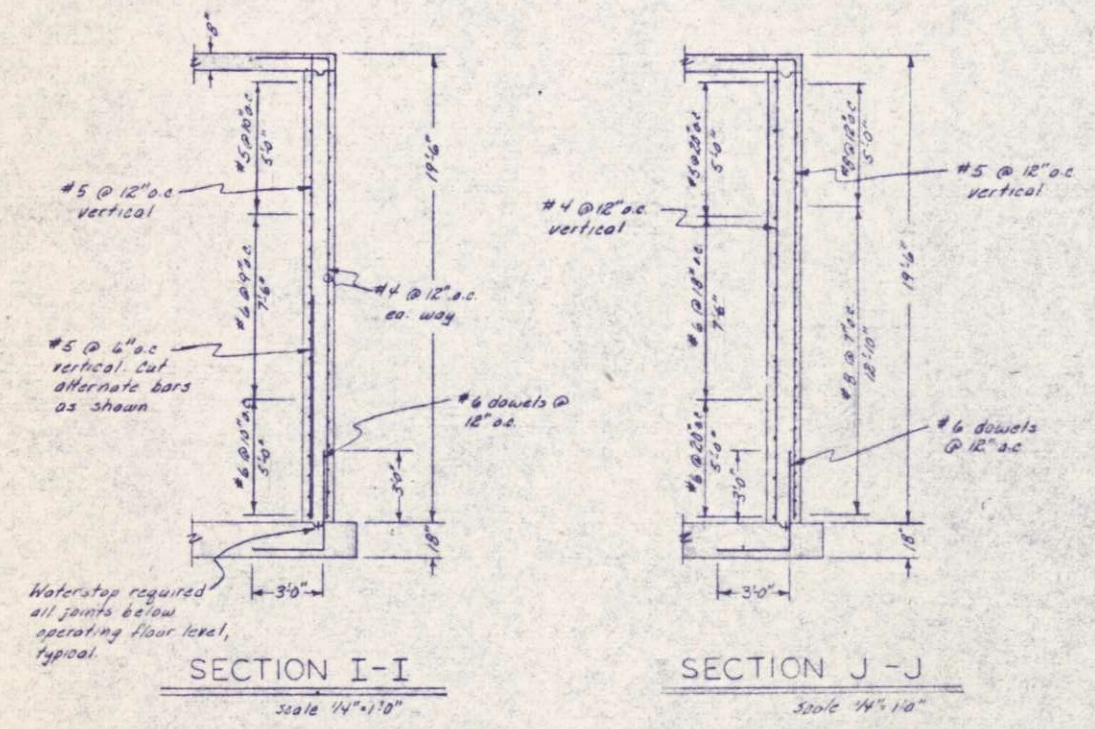
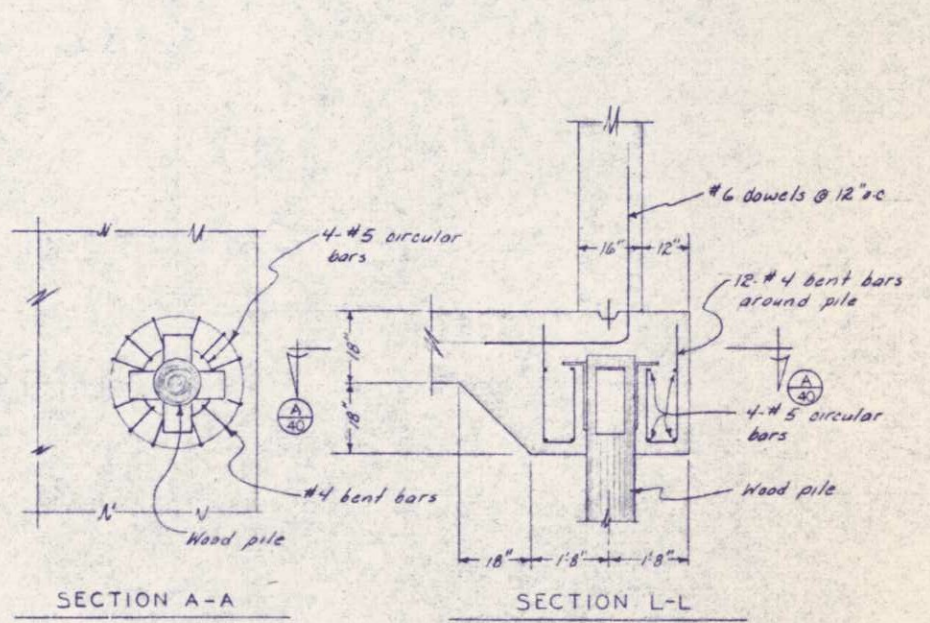
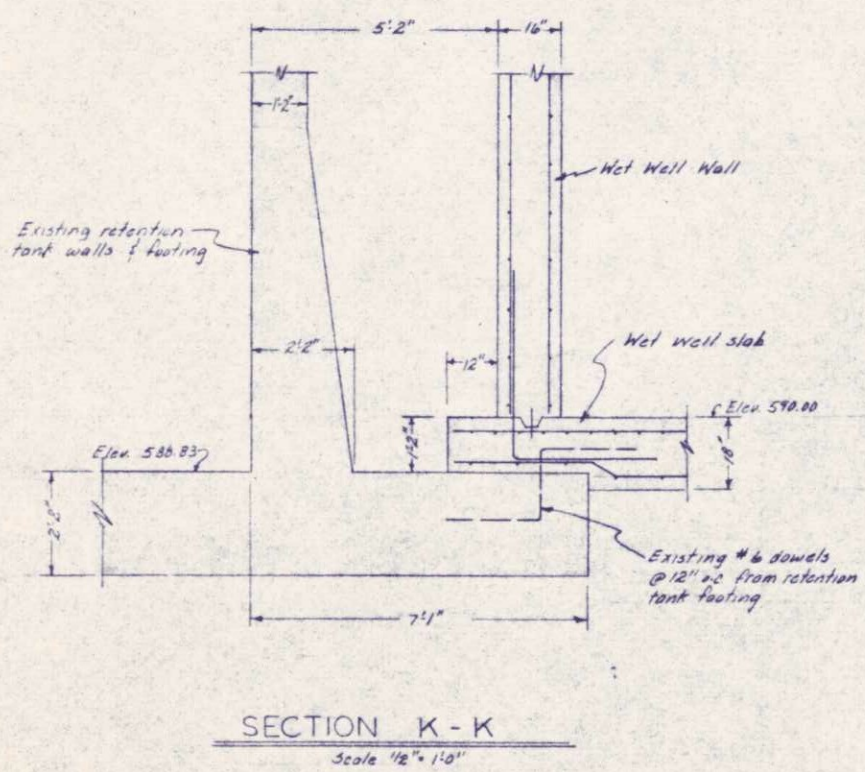
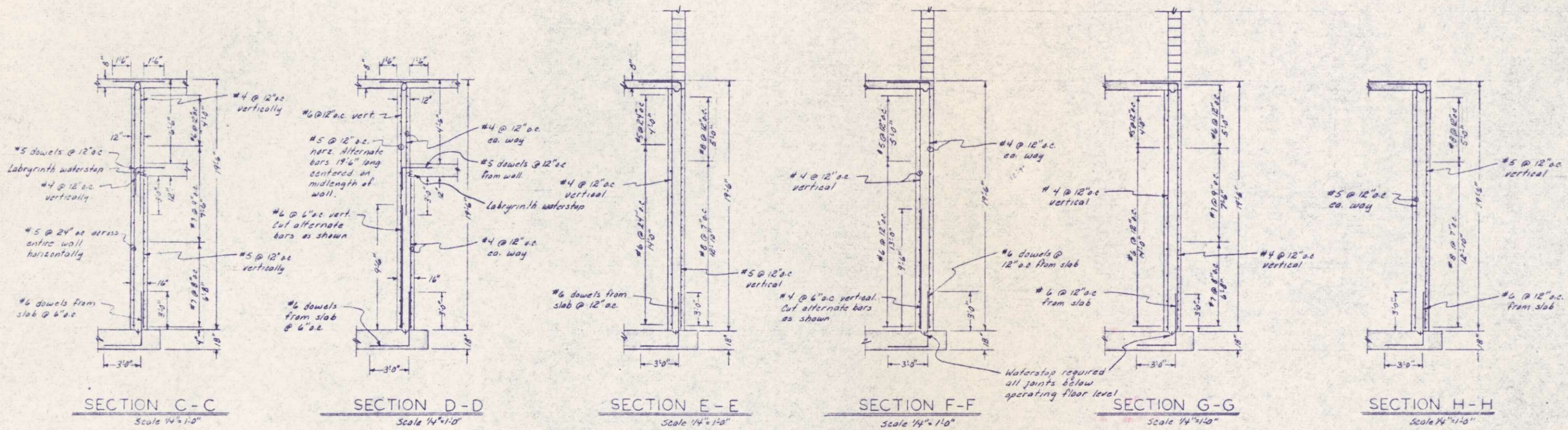
Robert W. Rosen

SURVEY	RWF	REVISIONS
DESIGN	RWF	
APPROVE	RWF	

**BONESTROO, ROSENE, ANDERLIK & ASSOC., INC.**  
ST. PAUL, MINNESOTA

**SUPERIOR, WISCONSIN**  
DATE: JUNE 14, 1975  
COMM 6888F

**PUMP & BLOWER BUILDING**  
**C.S.O. PLANT - DISTRICT 2**  
**WET WELL FLOOR STRUCTURAL**



WHEN CERTIFY THAT THIS PLAN WAS PREPARED BY OR UNDER THE DIRECT SUPERVISION AND IN THE PRESENCE OF THE PROFESSIONAL ENGINEER WHOSE NAME AND LICENSE NO. ARE HEREIN SET FORTH IN THE STATE OF WISCONSIN  
 DATE: JUNE 14, 1975  
 Robert W. Rose

SURVEY  
 DRAWN: RWF  
 DESIGN: RWF  
 APPROVED: RWF

ROESTROO, ROSE, ANDERLIK & ASSOC., INC.  
 ST. PAUL, MINNESOTA

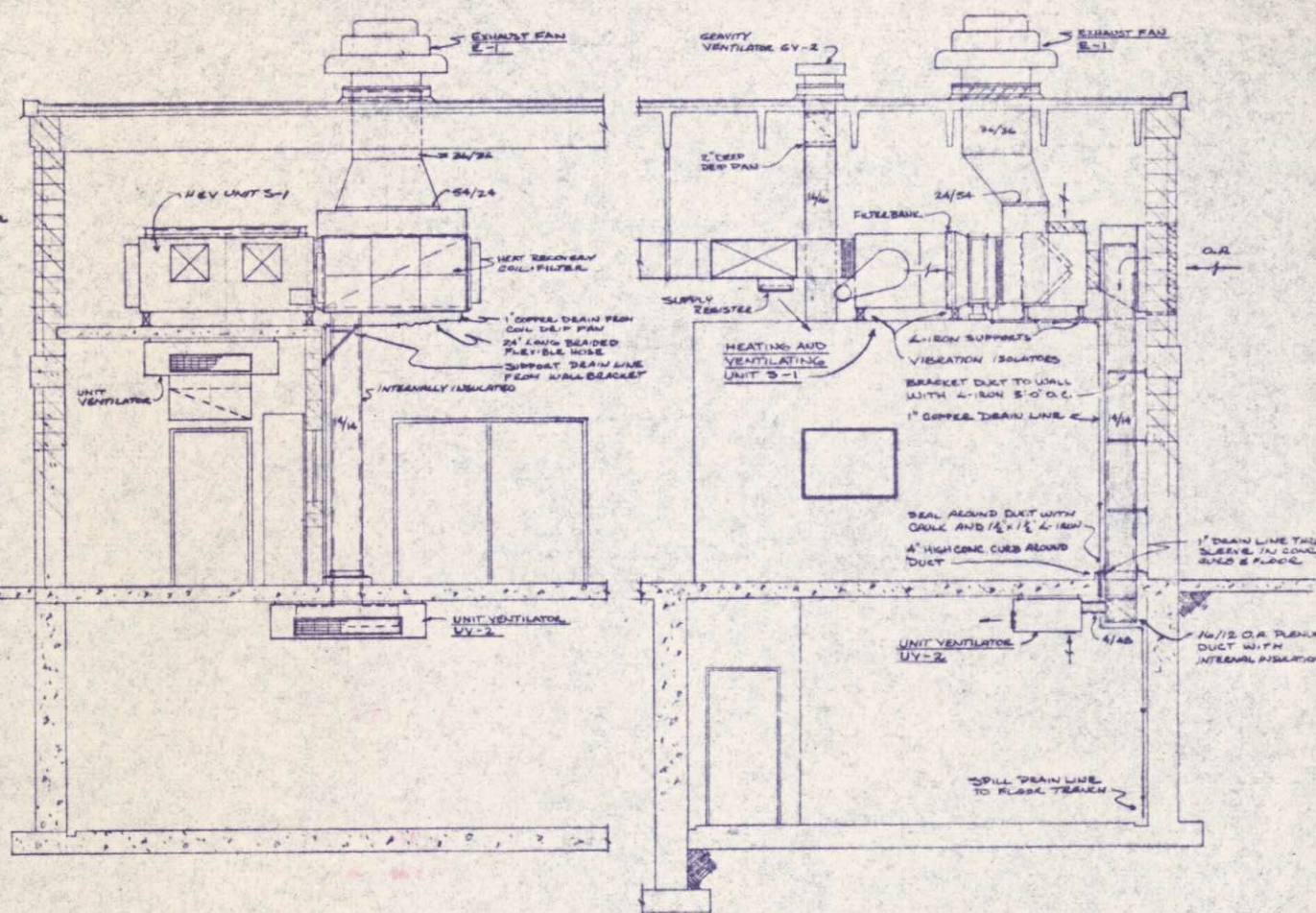
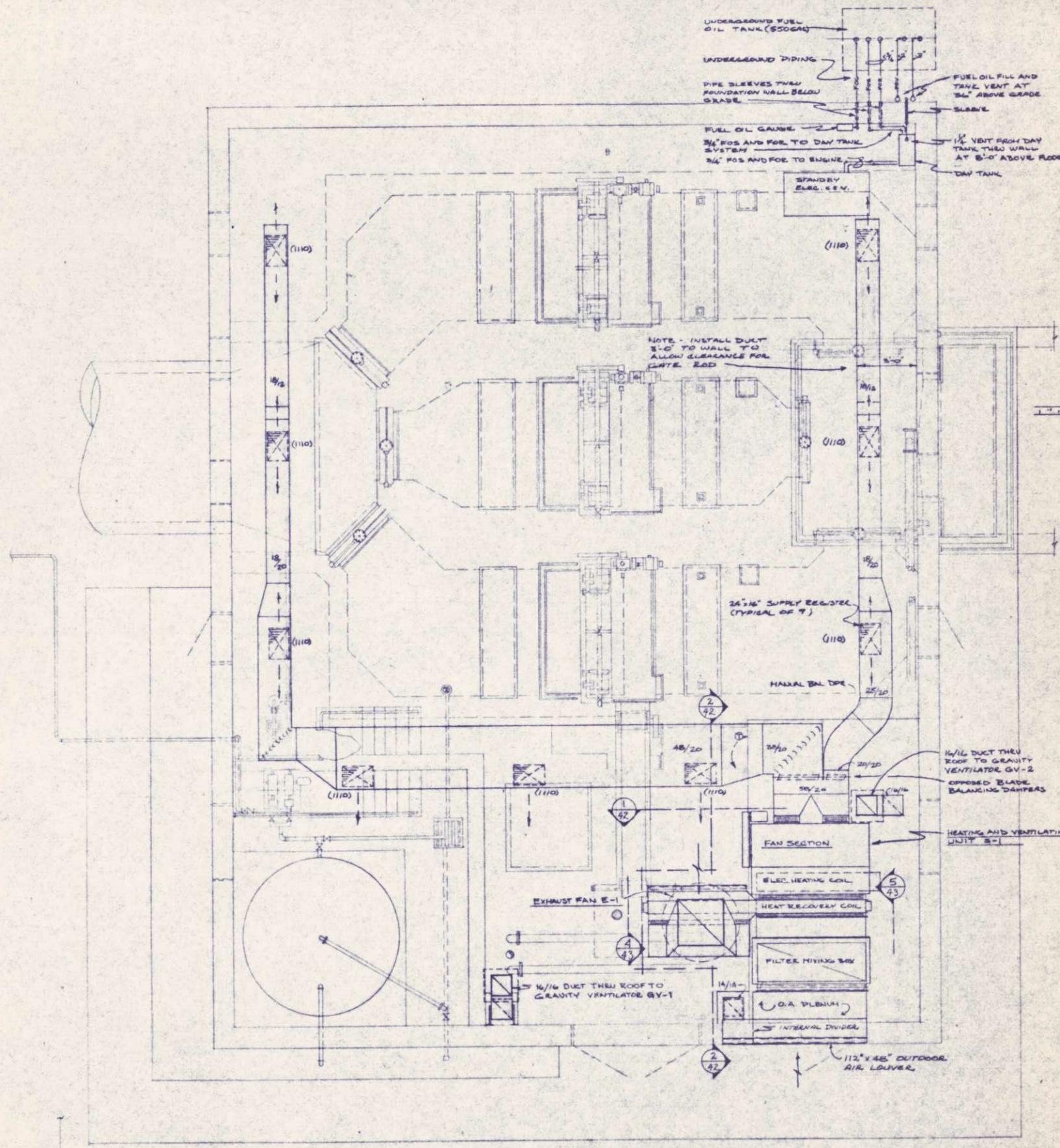
SUPERIOR, WISCONSIN  
 DATE: JUNE 14, 1975  
 COMM 6888F

PUMP & BLOWER BUILDING  
 C.S.O. PLANT-DISTRICT  
 WALL SECTIONS

40/53

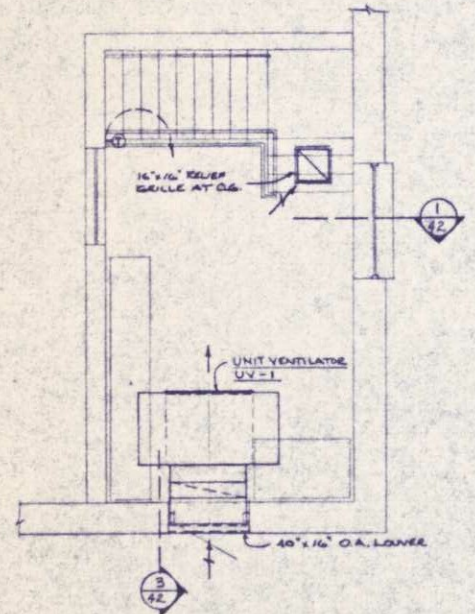




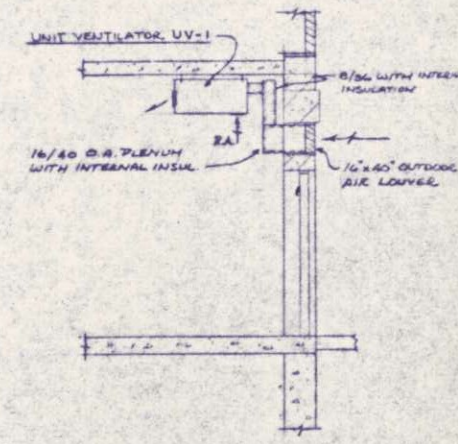


SECTION 1  
1/4" = 1'-0"

SECTION 2  
1/4" = 1'-0"



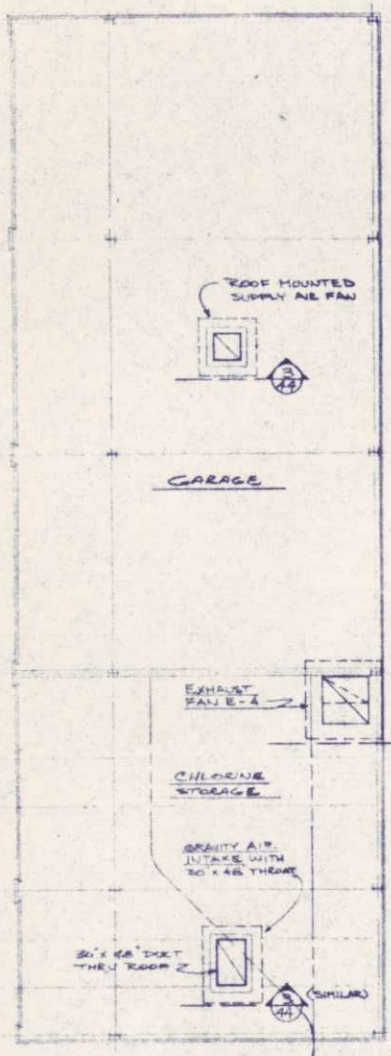
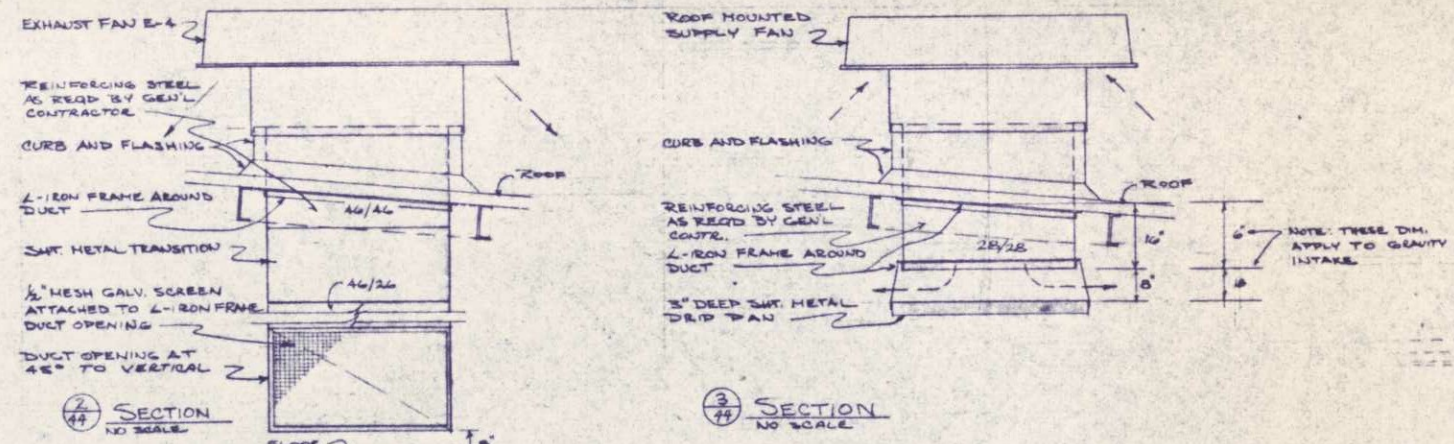
PARTIAL PLAN - CONTROL ROOM  
1/4" = 1'-0"



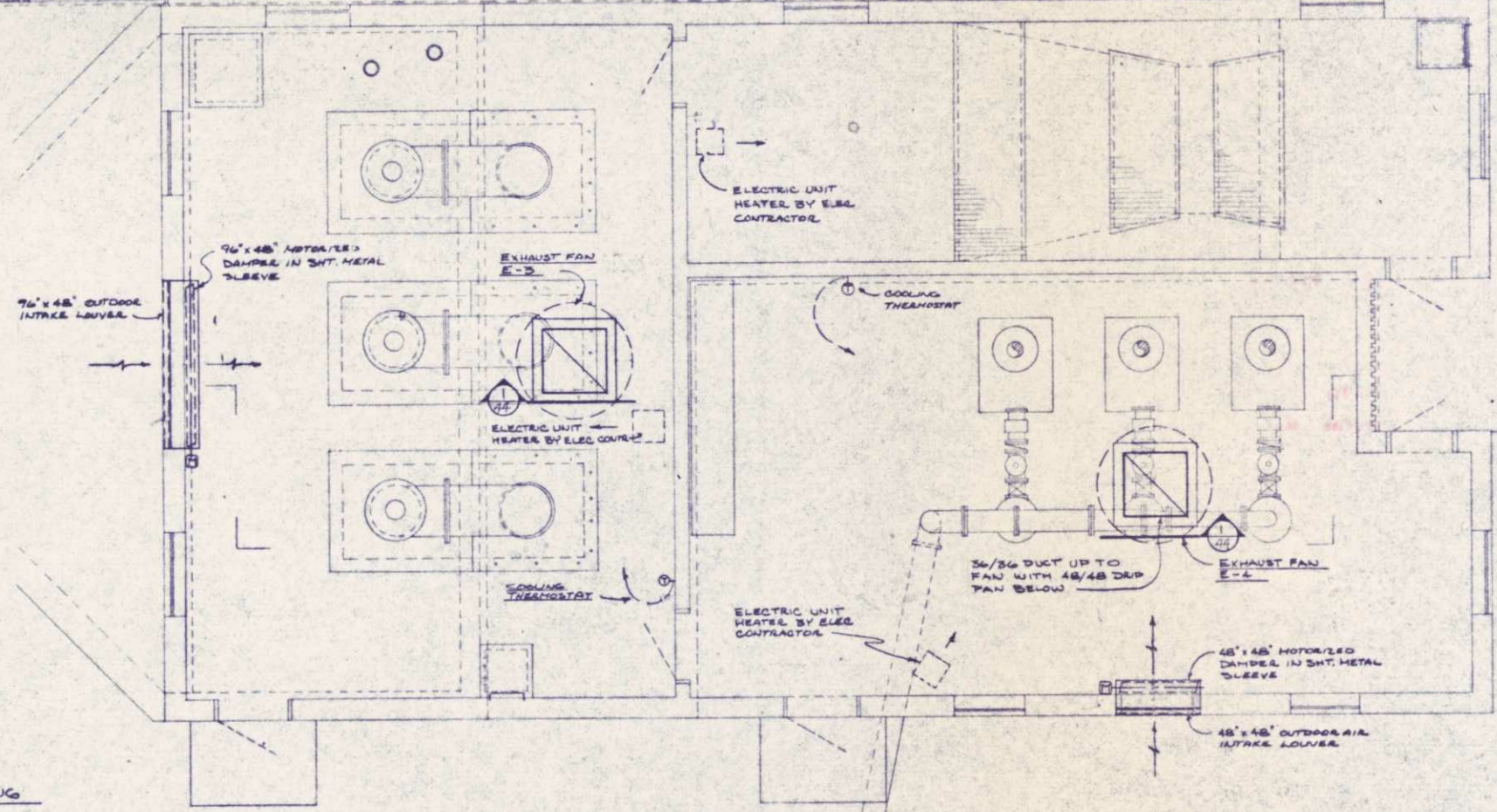
SECTION 3  
1/4" = 1'-0"

SCREEN BUILDING  
OPERATING FLOOR LEVEL  
SCALE 1/16" = 1'-0"

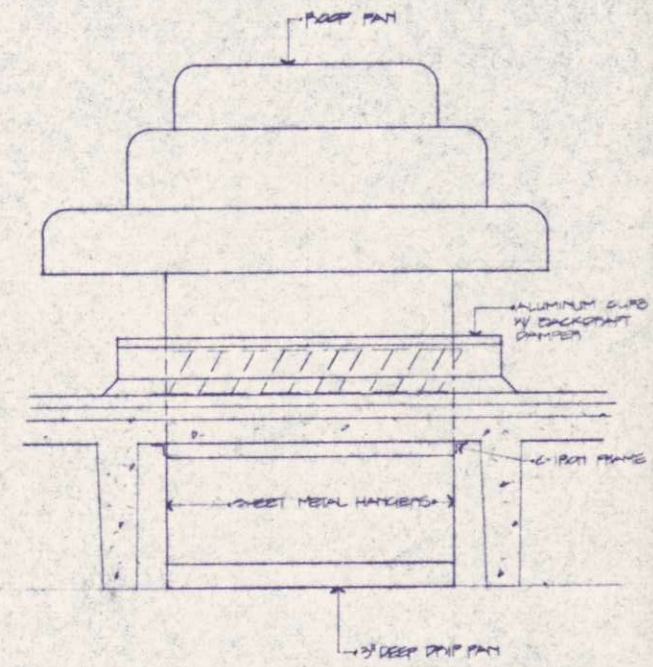




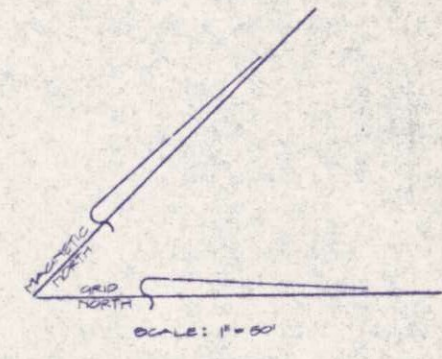
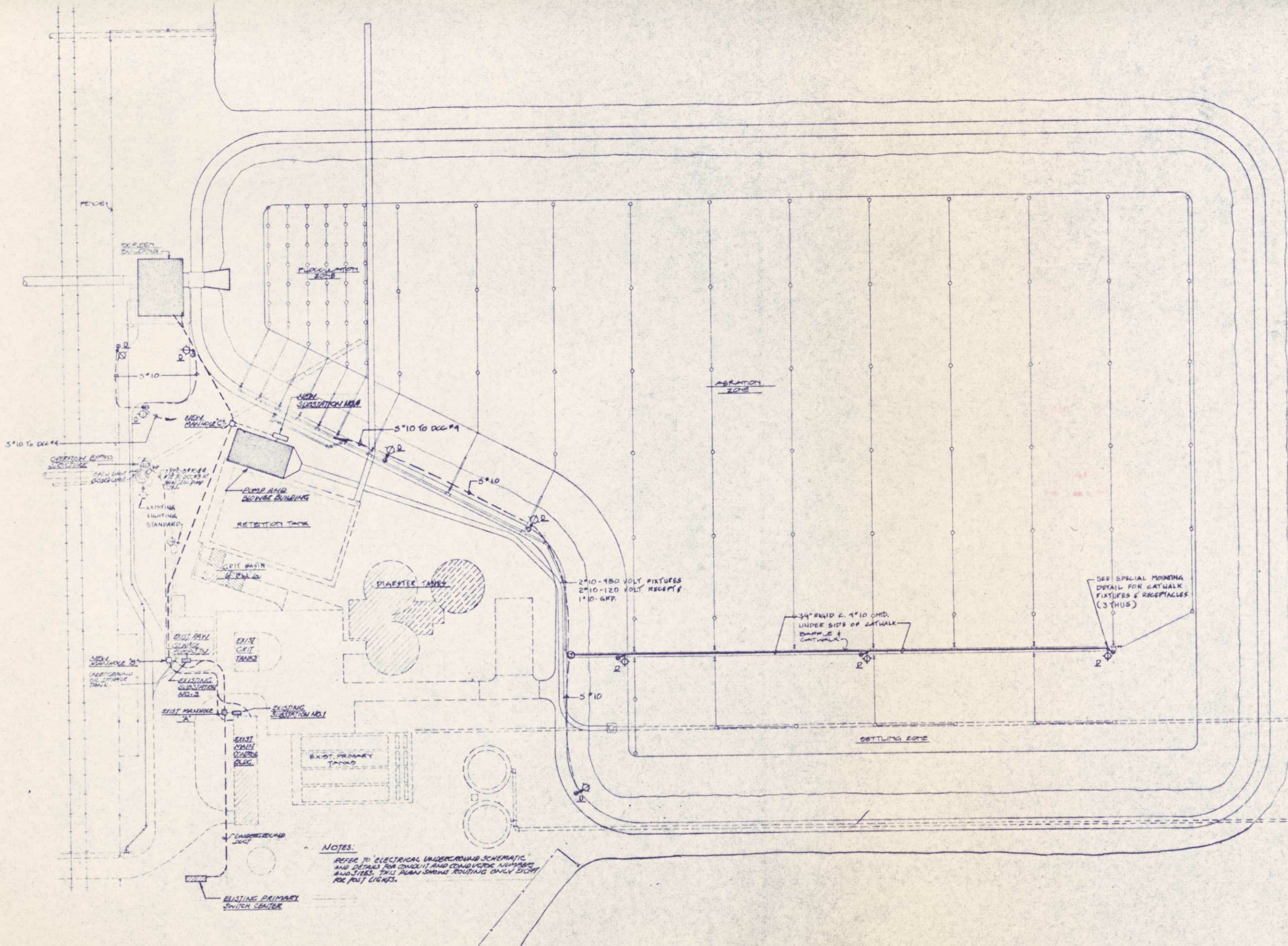
CHLORINE STORAGE AND GARAGE BUILDING  
1/8" = 1'-0"



PUMP AND BLOWER BUILDING PLAN  
SCALE: 1/8" = 1'-0"



SECTION 1/44



NOTES:  
 REFER TO ELECTRICAL UNDERGROUND SCHEMATIC  
 AND DETAILS FOR CONDUIT AND CONDUIT RACKING  
 AND SIZES. THIS PLAN SHOWS ROUTING ONLY EXCEPT  
 FOR POST LIGHTS.

ERICKSEN ELLISON  
 AND ASSOCIATES INC  
 CONSULTING ENGINEERS  
 SAINT PAUL MINNESOTA

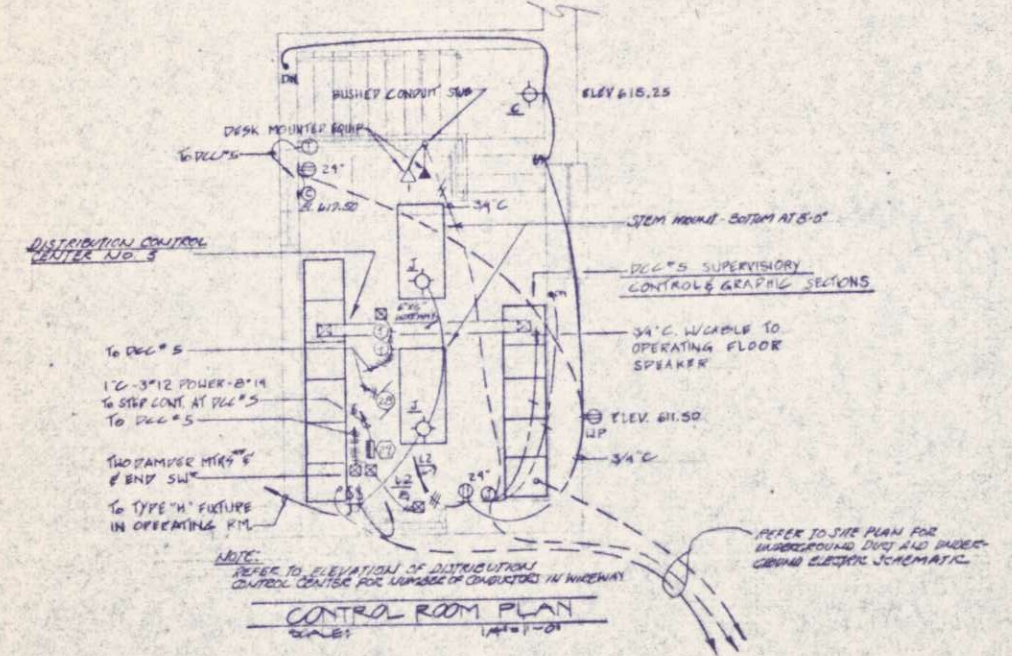
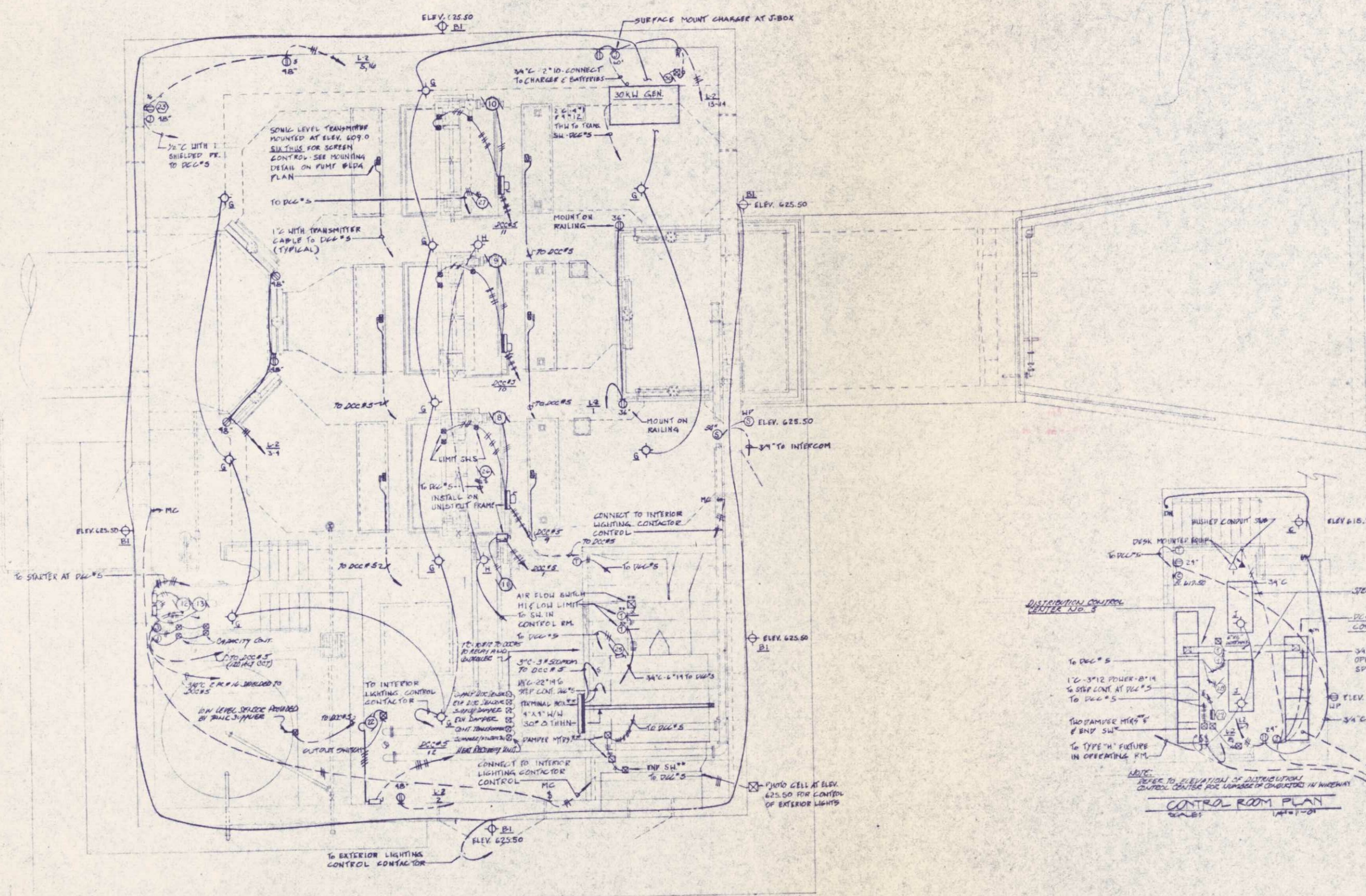
DATE JUNE 14, 1975  
 48567  
*John...*

PROJECT: Superior, Wisconsin  
 DISTRICT: 2  
 SHEET: 1 OF 1

BOXESTROO, ROSENE, ANDERLIK & ASSOC., INC.  
 ST. PAUL, MINNESOTA

SUPERIOR, WISCONSIN  
 DATE: JUNE 14, 1975  
 COMD 6888F

C.S.O. PLANT-DISTRICT 2  
 ELECTRICAL SITE PLAN



NORTH  
**SCREEN BUILDING**  
**OPERATING FLOOR LEVEL**  
DATE: JUNE 14, 1975

**ERICKSEN ELLISON**  
 AND ASSOCIATES, INC.  
 CONSULTING ENGINEERS  
 SAINT PAUL, MINNESOTA

DESIGNED BY: J. H. HARRIS  
DRAWN BY: J. H. HARRIS  
CHECKED BY: J. H. HARRIS  
DATE: JUNE 14, 1975

**BOBESTROO, ROSENE, ANDERLIX & ASSOC., INC.**  
 ST. PAUL, MINNESOTA

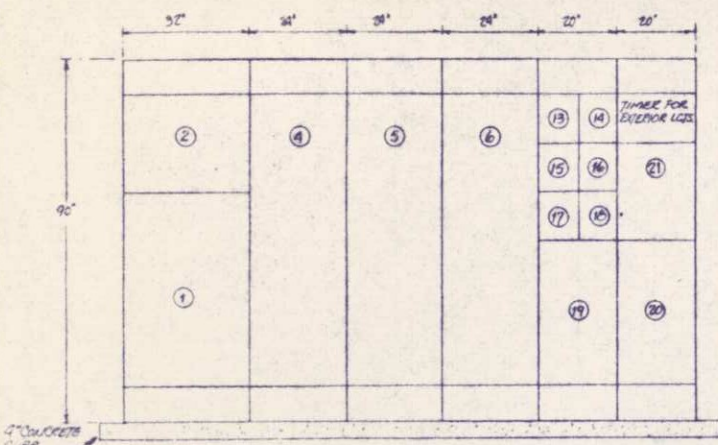
**SUPERIOR, WISCONSIN**  
 DATE: JUNE 14, 1975

**C.S.O. PLANT - DISTRICT 2**  
**SCREEN BUILDING ELECTRICAL**



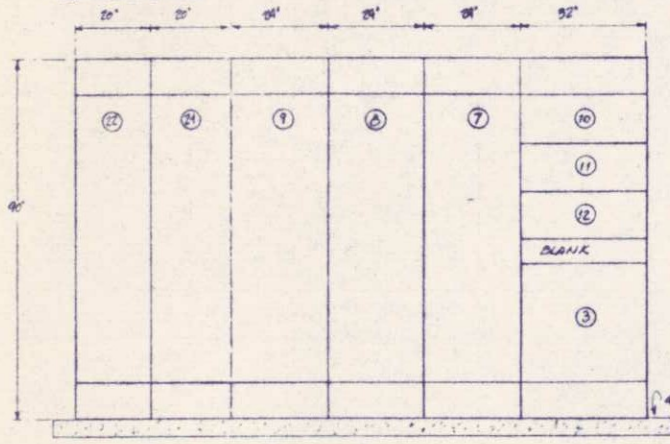




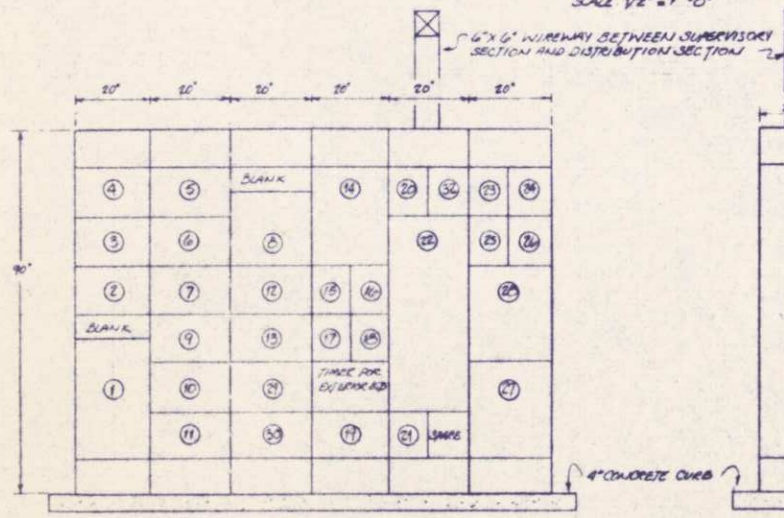


**SOUTH ELEVATION DISTRIBUTION AND CONTROL CENTER NO. 4**  
SCALE: 1/2" = 1'-0"

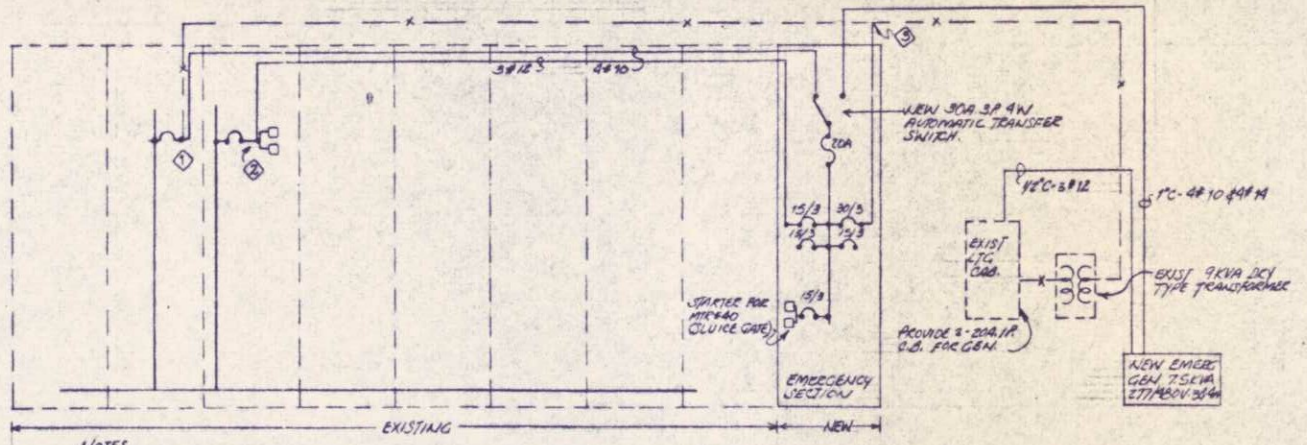
- DISTRIBUTION AND CONTROL CENTER #4 AND 5 NOTES:**
1. REFER TO DISTRIBUTION CONTROL CENTER SCHEDULE FOR EQUIPMENT INDICATED BY ENCLOSED NUMBERS.
  2. ARRANGEMENT SHOWN IS TYPICAL AND MAY VARY IN LOCATION AND DIMENSIONS AS REQUIRED BY MFG. WITH ENGINEER'S APPROVAL. IF MFG. DETERMINES THAT ADDITIONAL CIRCLES ARE REQUIRED TO HOUSE EQUIPMENT SPECIFIED THE MFG. SHALL PROVIDE RELEVANT DIMENSIONS.



**NORTH ELEVATION DISTRIBUTION AND CONTROL CENTER NO. 4**  
SCALE: 1/2" = 1'-0"

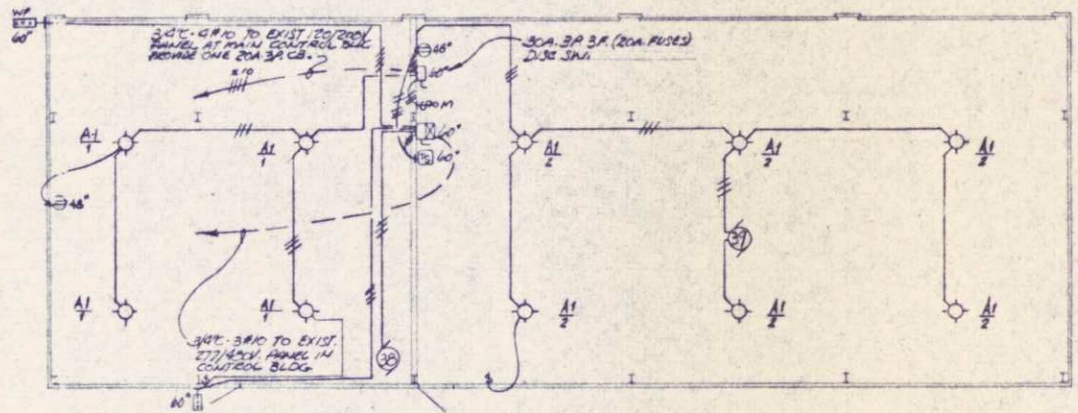


**DISTRIBUTION AND CONTROL CENTER NO. 5**  
SCALE: 1/2" = 1'-0"

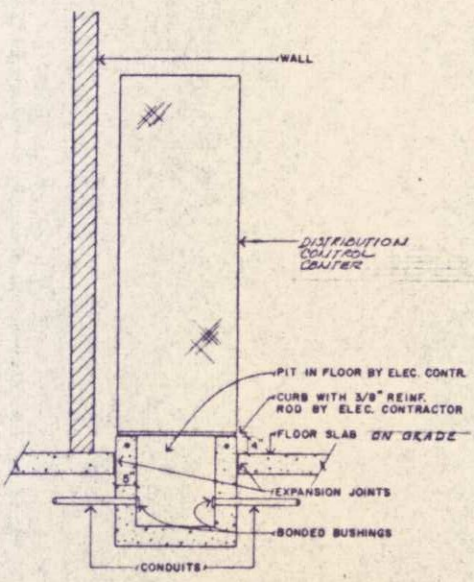
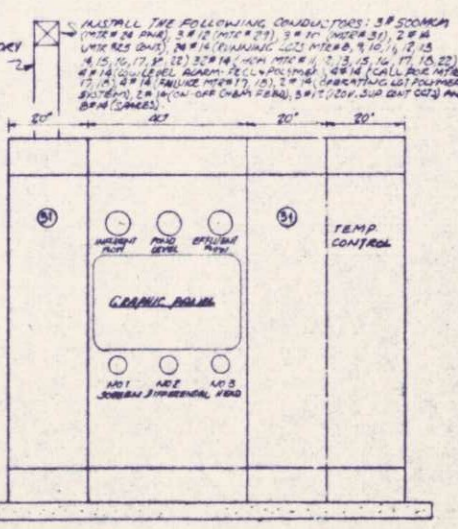


- NOTES:**
1. DISCONNECT EXISTING FEEDER CONDUITS FOR 9KVA TRNK AND CONN FEEDER FOR AUTOMATIC TRANSFER SWITCH TO CIRCUIT BREAKER.
  2. DISCONNECT EXISTING STARTER AND CABLE RUNNER STARTER TO NEW CIRCUIT BREAKER IN EMERGENCY SECTION. STARTER IS FOR KNIFE GATE AT BYPASS STRUCTURE.
  3. REROUTE FEEDER TO CIRCUIT BREAKER IN EMERGENCY SECTION.

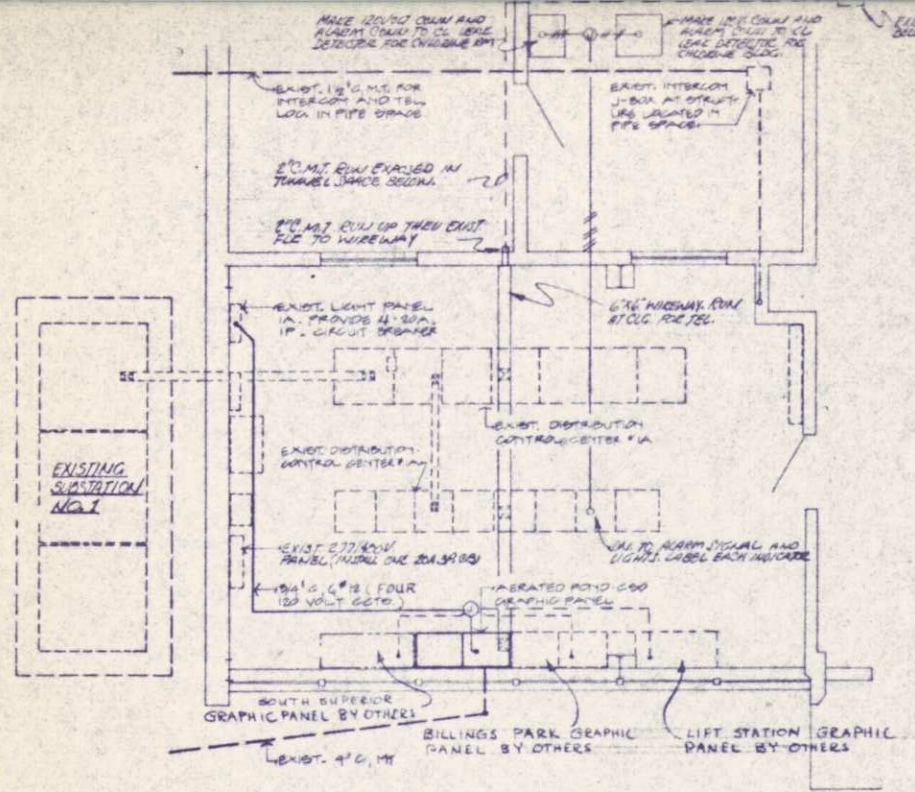
**RAW SEWAGE PUMPING STATION - ONE LINE DIAGRAM OF DCC#3 AND EMERGENCY GENERATOR**  
NTS



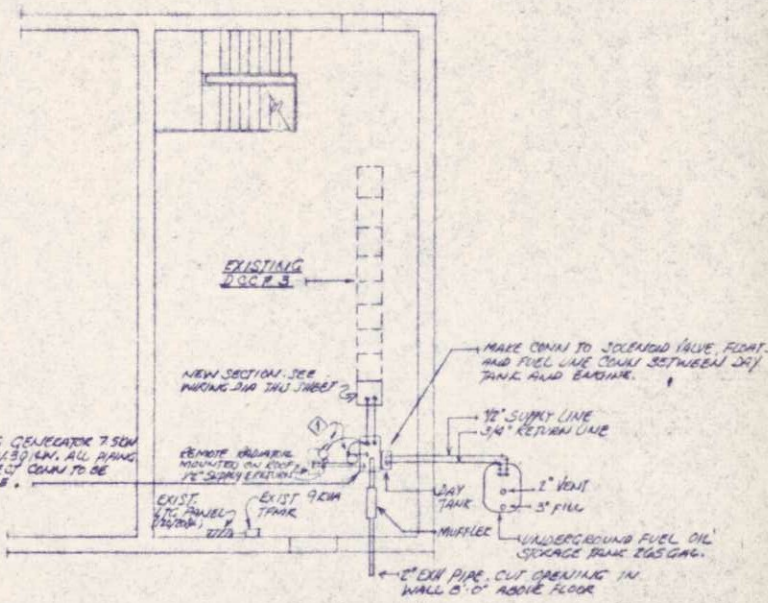
**CHLORINE AND GARAGE BUILDING**  
SCALE: 1/5" = 1'-0"



**DISTRIBUTION CONTROL CENTER NO. 4**  
NTS



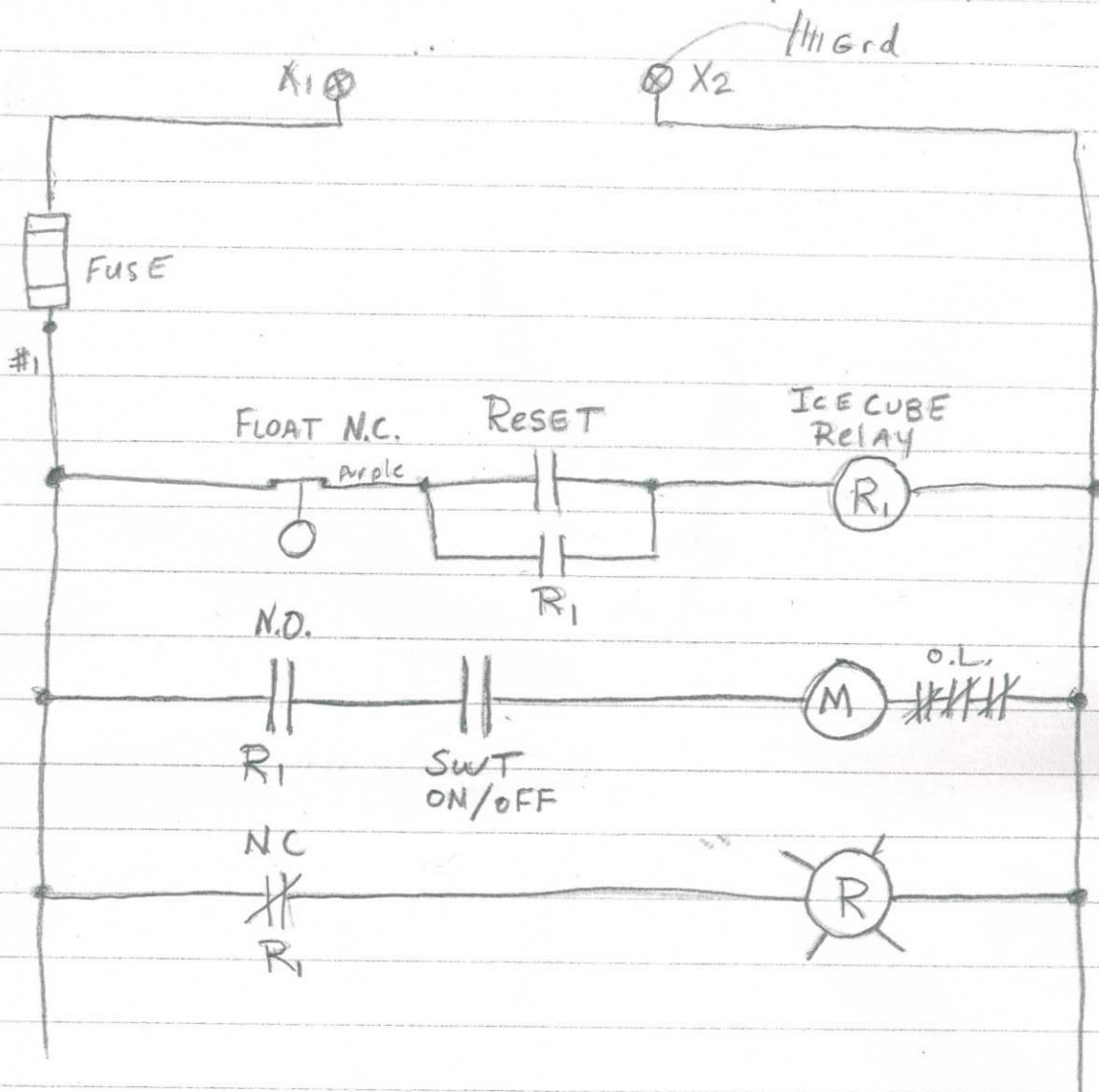
**GRAPHIC PANEL LOCATION CONTROL BLDG. MAIN PLAN**  
SCALE: 1/4" = 1'-0"



- NOTES:**
1. MAKE CONN TO SOLENOID VALVE AND WATER PUMP IN ROOM AND TO PAN FOR REMOTE RADIATOR ON ROOF. USE ALL PIPING THROUGH ROOF.

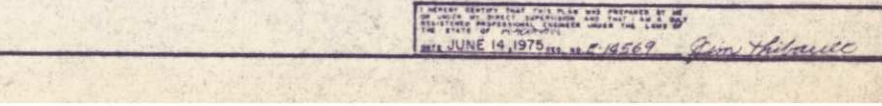
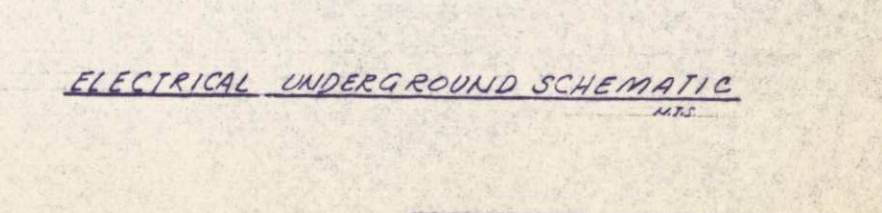
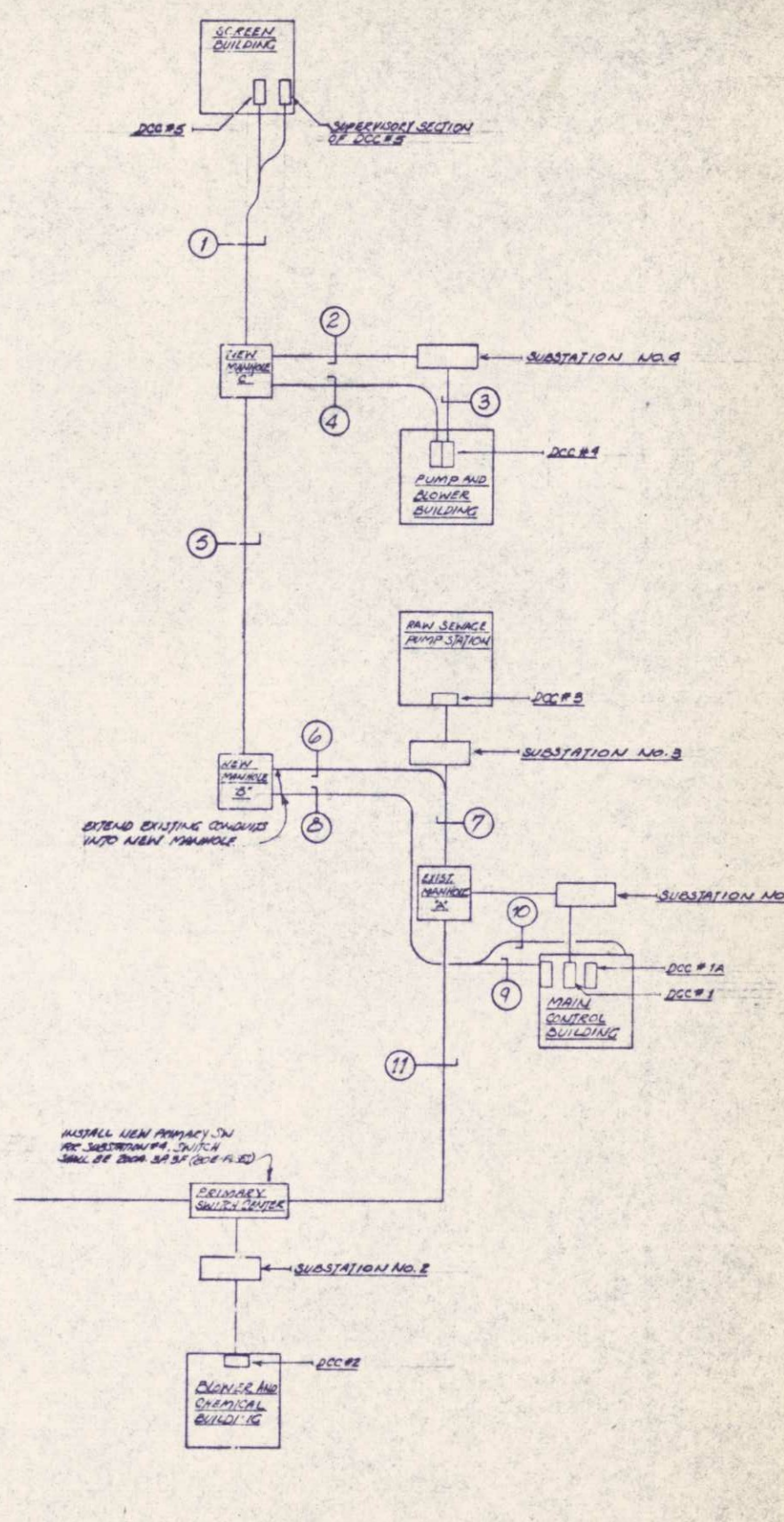
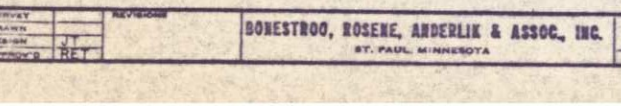
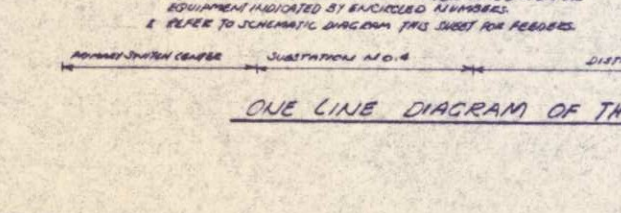
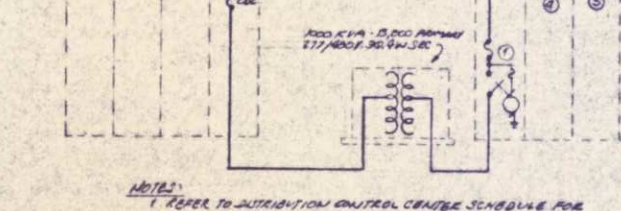
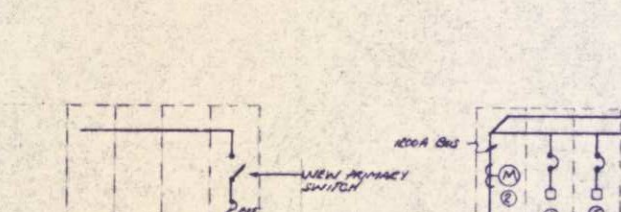
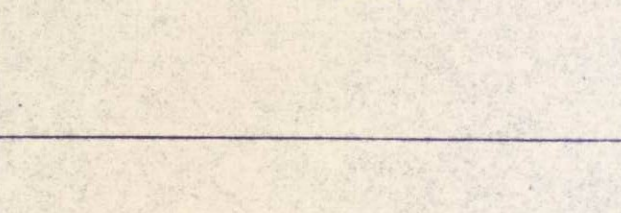
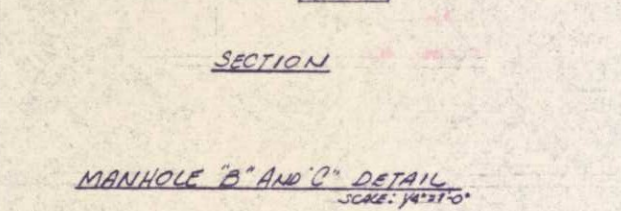
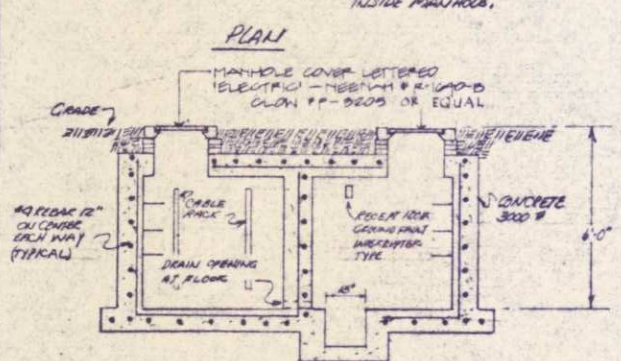
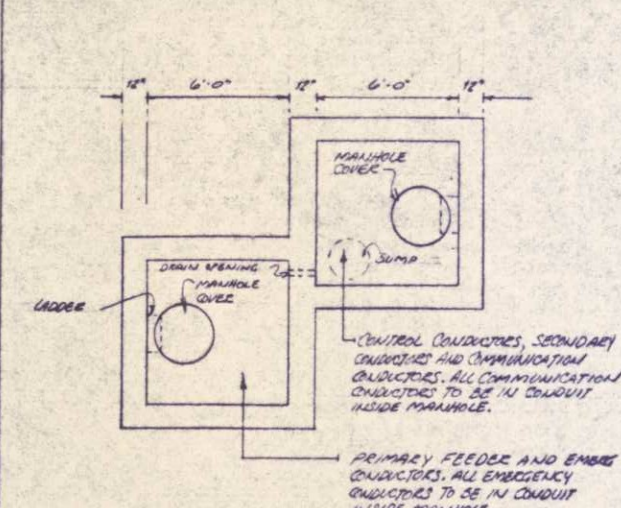
**PART PLAN - RAW SEWAGE PUMPING STATION**  
SCALE: 1/5" = 1'-0"

CSTP#2 DEWATERING Pump CONTROL

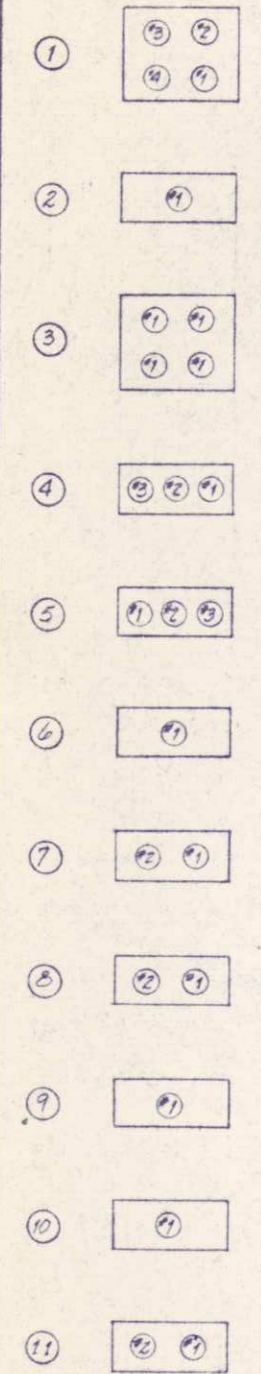


OPERATION: A FLOAT WAS ADDED TO THE RETENTION TANK, AT A LEVEL 6" BELOW THE OVER FLOW WEIR. THIS FLOAT WILL ONLY ALLOW THE DEWATERING PUMP TO WORK IF THE FLOAT IS NOT TIPPED. IF THE FLOAT RETURNS TO THE HANGING POSITION THE PUMP WILL NOT START UNTIL SOMEONE PRESSES THE RESET BUTTON

- ⊙ CEILING OUTLET
  - ⊙ OUTLET FOR OR CONNECTION TO RECESSED LIGHTING FIXTURE
  - ⊙ WALL OUTLET
  - ⊙ OUTLET MOUNTED BELOW, OR ON MECHANICAL DUCT WORK
  - ⊙ EXIT LIGHT
  - ⊙ DUPLEX CONVENIENCE RECEPT NEMA 5-15R
  - ⊙ COMBINATION 20A, 120V-208V RECEPT, GROUND NEMA 5-20R + 6-20R
  - ⊙ DUPLEX CONVENIENCE RECEPT, UPPER HALF SWITCHED NEMA 5-15R
  - ⊙ RANGE RECEPT, 50A, 3P+G, 4W, NEMA 4-50R
  - ⊙ DUPLEX CONVENIENCE RECEPT, NEMA 5-20R
  - ⊙ BRACKET INDICATES ALL DEVICES ON COMMON PLATE MIN. OF ONE GANG PER DEVICE
  - ⊙ FLOOR OUTLET
    - F- FLUSH DEVICE
    - P- PEDestal MTD DEVICE
    - C- CONDUIT CONNECTED DEVICE
    - S- STANDPIPE
  - ⊙ SINGLE POLE SWITCH
  - ⊙ DOUBLE POLE SWITCH
  - ⊙ 3-WAY SWITCH
  - ⊙ 4-WAY SWITCH
  - ⊙ DOOR SWITCH
  - ⊙ KEY SWITCH
  - ⊙ SWITCH AND PILOT
  - ⊙ MOMENTARY CONTACT SWITCH
  - ⊙ TIME SWITCH (SEE SPECS.)
  - ⊙ DIMMER OR DIMMER CONTROL
  - ⊙ BELL
  - ⊙ TRANSFORMER
  - ⊙ FIRE ALARM STATION
  - ⊙ FIRE ALARM HORN
  - ⊙ FIRE ALARM BELL
  - ⊙ FIRE ALARM-DOOR HOLDER
  - ⊙ THERMAL DETECTOR
  - ⊙ FIRE ALARM FLOW SWITCH
  - ⊙ IONIZATION DETECTOR
  - ⊙ IONIZATION DETECTOR INSTALLED IN DUCT (DUCT SIZE)
  - ⊙ CHIME
  - ⊙ CLOCK OUTLET
  - ⊙ SPEAKER OUTLET
  - ⊙ SOUND OR INTERCOM 'CALL BACK' SWITCH
  - ⊙ SOUND OR INTERCOM VOLUME CONTROL
  - ⊙ TELEPHONE OUTLET
  - ⊙ MICROPHONE OUTLET
- ⊙ HOME RUN
  - ⊙ PANEL NUMBER
  - ⊙ CIRCUIT NUMBER
  - ⊙ INDICATES WIRE SIZE IF NOT NOTED #12 AND CONDUCTORS SHALL BE USED
- NOTE:  
ANY CIRCUITS WITHOUT FURTHER DESIGNATION IS A TWO WIRE CIRCUIT. A GREATER NUMBER OF WIRES ARE INDICATED BY CROSS MARKS
- ANY SYMBOL MAY BE FOLLOWING DESIGNATED BY ONE OR MORE OF THE FOLLOWING SUBSCRIPTS:  
 P3: OUTLET WITH PULL SWITCH  
 WP: WEATHERPROOF OUTLET  
 X: EXISTING OUTLET (DOES NOT APPLY TO EQUIP. OR DEVICE)  
 RE: EXISTING OUTLET TO BE REMOVED OR COVERED WITH A BLANK COVER (DOES NOT APPLY TO EQUIP. OR DEVICE)  
 A: LETTER INDICATES FIXTURE TYPE  
 # NUMBER INDICATES CIRCUIT NUMBER
- ⊙ TERMINAL CABINET
  - ⊙ ANNUNCIATOR
  - ⊙ BRANCH CIRCUIT PANEL (250V OR LESS)
  - ⊙ BRANCH CIRCUIT PANEL (277V/480)
  - ⊙ MAGNETIC MOTOR STARTER
  - ⊙ DISCONNECT SWITCH
  - ⊙ DISCONNECT SWITCH & MAGNETIC MOTOR STARTER IN SAME LOCATION
  - ⊙ MANUAL MOTOR STARTING SWITCH
  - ⊙ MANUAL MOTOR CONTROL SWITCH
  - ⊙ MANUAL MOTOR CONTROL SWITCH WITH PILO
  - ⊙ THERMOSTAT
  - ⊙ AUXILIARY EQUIPMENT (AS NOTED)
  - ⊙ JUNCTION BOX
  - ⊙ UNDERFLOOR DUCT
    - ⊙ LOW POTENTIAL OUTLET
    - ⊙ HIGH POTENTIAL OUTLET
  - ⊙ AUXILIARY SYSTEM CIRCUITS
  - ⊙ A INDICATES SHIELDED CABLE (SEE SPECS.)
  - ⊙ C INDICATES CABLE ONLY (CONDUIT NOT REQ.)
  - ⊙ BRANCH CIRCUIT (CEILING OR WALL)
  - ⊙ BRANCH CIRCUIT (FLOOR)
  - ⊙ EXISTING CONDUIT
  - ⊙ EXISTING CONDUIT, CONDUCTORS REMOVED
  - ⊙ EXISTING CONDUIT
  - ⊙ NEW CONDUCTORS
  - ⊙ PLUGSTRIP - OUTLET SPACING AS SHOWN OR SPECIFIED
  - ⊙ INDICATES NOTE ON PLAN
  - ⊙ EQUIPMENT OR APPLIANCE (NO. REFERS TO SC)
  - ⊙ MOTOR (NO. REFERS TO SCHEDULE)
  - ⊙ INTERCOMMUNICATION STATION OUTLET
  - ⊙ DRY TYPE TRANSFORMER - SIZE AS NOTED ON DRAWINGS
  - ⊙ NURSES CALL STATION
  - ⊙ LETTER INDICATES TYPE OF STATION
  - ⊙ NURSES CALL CORRIDOR DOME LIGHT - TWO C
  - ⊙ PROJECTOR OUTLET
  - ⊙ TELEVISION OUTLET

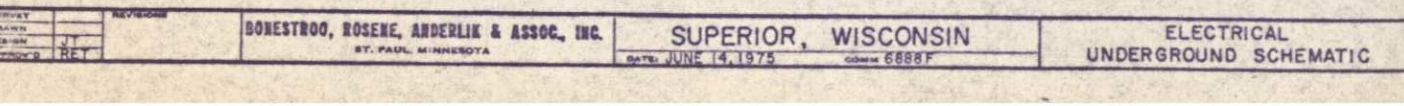
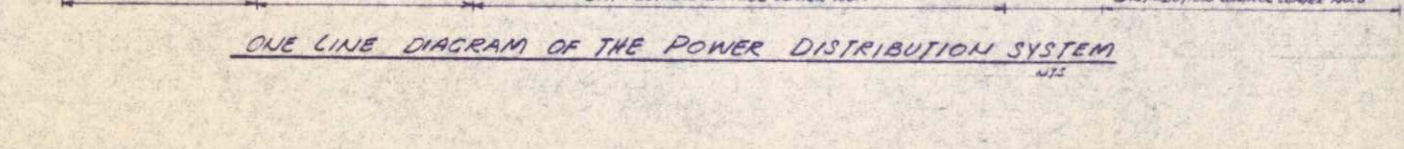
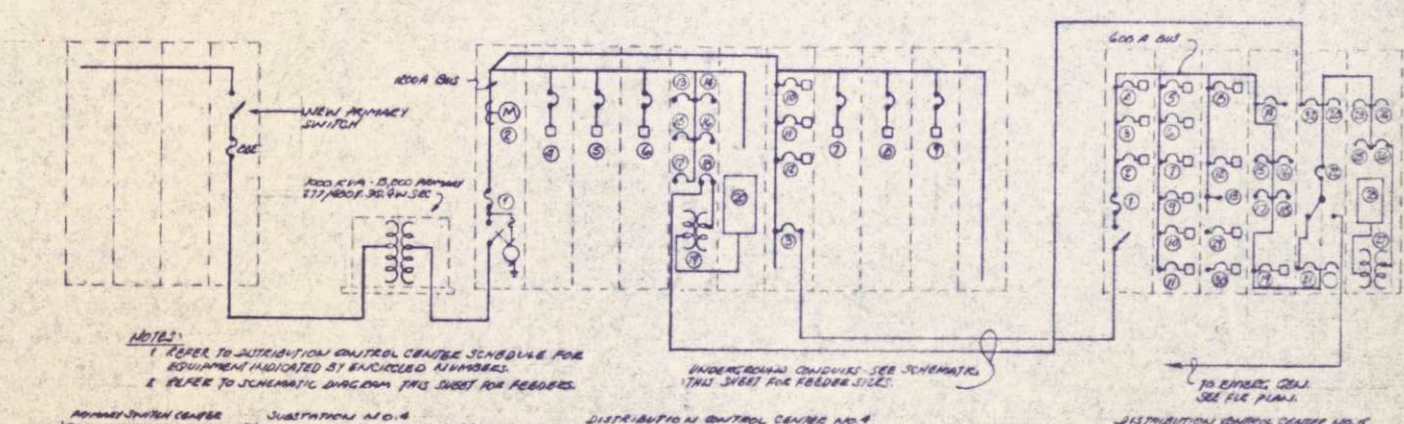


- 1 4" 3# 350MCM (277/480V/480V POWER)
  - 2 4" WITH TYPE "A" AND TYPE "C" CONTROL CONDUCTORS
  - 3 1 1/2" 2# 20 BOLDEN, 1# 20 BOLDEN AND 1# 12 (PULL WIRE)
  - 4 1 1/2" 4# 6 (3MERC - 277/480V/480V)
- 1 4" 3# 2 (15KV) AND 1# 4 (600V) - POWER
- 1 3" 4# 350MCM (277/480V POWER)
- 1 1 1/2" 4# 6 (3MERC - 277/480V/480V)
  - 2 1 1/2" 2# 20 BOLDEN, 2# 20 BOLDEN AND 1# 12 (PULL WIRE)
  - 3 3" WITH TYPE "B" CONTROL CONDUCTORS, 2# 12 (RETENTION TRUNK), 2# 12 (RECEPT MANHOLE B AND C) AND 3# 12 (JAMES)
- 1 4" 3# 2 (15KV) AND 1# 4 (600V) - POWER
  - 2 1 1/2" 2# 20 BOLDEN, 2# 20 BOLDEN AND 1# 12 (PULL WIRE)
  - 3 4" WITH TYPE "A" AND "B" CONTROL CONDUCTORS AND 2# 12 (RECEPT AT MANHOLE B AND C)
- 1 EXIST 4" CONDUIT - INSTALL NEW 3# 2 (15KV) AND 1# 4 (600V)
- 1 EXIST 4" 3# 2 (15KV) AND 1# 4 (600V) TO REMAIN AS IS
  - 2 EXIST 4" CONDUIT - INSTALL NEW 3# 2 (15KV) AND 1# 4 (600V)
- 1 EXIST 1 1/2" CONDUIT - INSTALL NEW 2# 20 BOLDEN, 2# 20 BOLDEN AND 1# 12 (PULL WIRE)
  - 2 EXIST 4" CONDUIT - INSTALL NEW CONTROL CONDUCTORS TYPE "A" AND TYPE "B"
- 1 EXIST 4" CONDUIT - INSTALL NEW CONTROL CONDUCTORS TYPE "A" AND TYPE "B"
- 1 EXIST 1 1/2" CONDUIT - INSTALL NEW 2# 20 BOLDEN, 2# 20 BOLDEN AND 1# 12 (PULL WIRE)
- 1 EXIST 4" 3# 2 (15KV) AND 2# 4 (600V) TO REMAIN AS IS
  - 2 EXIST 4" CONDUIT - INSTALL NEW 3# 2 (15KV) AND 1# 4 (600V)



NOTE:  
REFER TO DETAIL SHEET FOR CONCRETE ENCASED DUCT DETAIL.

CONTROL CONDUCTOR SCHEDULE	
TYPE	NUMBER OF CONDUCTORS AND USE (TYPE TRUNK CONDUCTORS EXCEPT FOR SHIELDED PAIRS)
A	2# 1/2" SHIELDED (EFFLUENT ROOM), 2# 1/2" (COMMON ROOM), 2# 1/2" (RETENTION TRUNK - CALL FOR), 2# 1/2" (PULL WIRE), 2# 1/2" (LOW TEMP BLANKET - SCREENING), 2# 1/2" (BLANKET LOTS - MTR # 9, 10, 11, 12, 13, 14, 15, 16, 17 & 18) AND 1# 1/2" (JAMES)
B	1# 1/2" SHIELDED (PULL WIRE), 2# 1/2" (PUMP AND BLOWER BLDG LOW TEMP BLANKET), 6# 1/2" (CALL FOR LOTS - MTR # 2, 3 & 4) AND 1# 1/2" (BLANKET LOTS - MTR # 1, 2, 3, 4, 5, 6, 7 AND 21) AND 1# 1/2" (JAMES)
C	1# 1/2" (BLANKET LOTS - MTR # 1, 2, 3, 4, 5, 6, 7 AND 21) AND 5# 1/2" (JAMES)



ERICKSEN ELLISON  
AND ASSOCIATES INC.  
CONSULTING ENGINEERS  
SAINT PAUL MINNESOTA

DESIGNED BY: J. H. HARRIS  
DRAWN BY: J. H. HARRIS  
CHECKED BY: J. H. HARRIS  
DATE: JUNE 14, 1975

BONESTROO, ROSENE, ANDERLIN & ASSOC., INC.  
ST. PAUL, MINNESOTA

SUPERIOR, WISCONSIN  
DATE: JUNE 14, 1975

ELECTRICAL UNDERGROUND SCHEMATIC



DISTRIBUTION CONTROL CENTER SCHEDULE

BUS & TYPE	MAIN LUGS		MTR. NO.	UNIT #	CIRCUIT BREAKER & STARTERS			STARTER SIZE (FUSED SW)	INT. AMPS
	SIZE	LOCA.			FRAME SIZE	TRIP RATING	POLES		
DCC #4 277/480V, 3Ø, 4W	1200	BOTTOM	MAIN	(1) <sup>M</sup>	1200	1200	3	-	25000
			METER	(2)	-	-	-	-	
			DCC#5	(3)	600	600	3	-	
			1	(4)	225	175	3	4AT	
			2	(5)	225	175	3	4AT	
			3	(6)	225	175	3	4AT	
			4	(7)	400	200	3	4AT	
			5	(8)	400	200	3	4AT	
			6	(9)	400	200	3	4AT	
			7	(10)	50	20	3	1	
			27	(11)	50	15	3	0	
			34	(12)	50	15	3	0	
			37	(13)	50	30	3	-	
			35	(14)	50	20	3	-	
			36	(15)	50	20	3	-	
			WALL LGTS	(16)	50	20	2	-	
			POST LGTS	(17)	50	20	2	-	
			TFMR	(18)	50	50	3	-	
			9 KVA TFMR	(19)	-	-	-	-	
			120/208 V. PANEL	(20)	SEE DCC #4 PANELBOARD SCHEDULE				
			SPACE	(21)	-	-	-	-	
				(22)	SUPERVISORY CONTROL SECTION				

\* MAIN SWITCH TO BE BOLTED PRESSURE SWITCH WITH GROUND FAULT PROTECTION.

DISTRIBUTION CONTROL CENTER SCHEDULE

BUS & TYPE	MAIN LUGS		MTR. NO.	UNIT #	CIRCUIT BREAKER & STARTERS			STARTER SIZE (FUSED SW)	INT. AMPS
	SIZE	LOCA.			FRAME SIZE	TRIP RATING	POLES		
DCC #5 277/480V, 3Ø, 4W 600A	350 MCM DBL WGS	BOTTOM	MAIN	(1)	600	500	3	-	18,000
			12	(2)	50	15	3	0	
			13	(3)	50	15	3	0	
			14	(4)	50	15	3	0	
			SPACE	(6)	50	30	3	1	
			17	(7)	50	30	3	1	
			18	(8)	50	15	3	0	
			22	(9)	50	15	3	0	
			25	(10)	50	15	3	1	
			26	(11)	50	15	3	0	
			SPACE	(12)	-	-	-	-	
			SPACE	(13)	50	-	3	1	
			24	(14)	400	350	3	-	
			29	(15)	100	20	3	-	
			31	(16)	100	30	3	-	
			LIGHTS	(17)	100	20	2	-	
			OUTSIDE LIGHTS	(18)	100	20	2	-	
			SPACE	(19)	50	20	3	1	
			11	(20)	50	15	3	-	
			FEEDER TRANS. SW.	(21)	100	60	3	-	
			AUTO TRANS. SW.	(22)	-	60	3	-	
			8	(23)	50	15	3	-	
			9	(24)	50	15	3	-	
			10	(25)	50	15	3	-	
			15 KVA TFMR	(26)	50	30	3	-	
			15 KVA TFMR	(27)	-	-	-	-	
			120/208 3Ø, 4W PANEL	(28)	SEE DCC #5 PANELBOARD SCHEDULE				
			28	(29)	-	-	-	0	
			32	(30)	-	-	-	0	
				(31)	SUPERVISORY CONTROL SECTION				
			DCC#4 TFMR MAIN	(32)	50	30	3	-	

MOTOR, APPLIANCE AND EQUIPMENT SCHEDULE

NUMBER	EQUIPMENT	SIZE	VOLT. & #	LOCA.	CONTROL	CONT. LOCA.	STARTER SIZE	STARTER LOCA.	DISC SIZE & TYPE
1	BLOWER NO. 1	75	460-3	BLOWER BLDG	SEE SPEC	DCC #4	4(1)	DCC #4	-
2	BLOWER NO. 2	75	460-3	BLOWER BLDG	SEE SPEC	DCC #4	4(1)	DCC #4	-
3	BLOWER NO. 3	75	460-3	BLOWER BLDG	SEE SPEC	DCC #4	4(1)	DCC #4	-
4	PUMP NO. 1	100	460-3	BLOWER BLDG	SEE SPEC	DCC #4	4(1)	DCC #4	-
5	PUMP NO. 2	100	460-3	BLOWER BLDG	SEE SPEC	DCC #4	4(1)	DCC #4	-
6	PUMP NO. 3	100	460-3	BLOWER BLDG	SEE SPEC	DCC #4	4(1)	DCC #4	-
7	WET WELL DE-WATERING PUMP	9.4	460-3	BLOWER BLDG WET WELL	SEE SPEC	DCC #4	1	DCC #4	30A.3P.NF
8	BAR SCREEN #1	3	460-3	SCREEN BLDG UPPER LEVEL	SEE SPEC	DCC #5	SELF CONTAINED	-	30A.3P.NF
9	BAR SCREEN #2	3	460-3	SCREEN BLDG UPPER LEVEL	SEE SPEC	DCC #5	SELF CONTAINED	-	30A.3P.NF
10	BAR SCREEN #3	3	460-3	SCREEN BLDG UPPER LEVEL	SEE SPEC	DCC #5	SELF CONTAINED	-	30A.3P.NF
11	CONVEYOR	1HP	460-3	SCREEN BLDG UPPER LEVEL	SEE SPEC	DCC #5	0	AT CONVEYOR	30A.3P.NF
12	FERRIC CHLORIDE PUMP #1	2HP	460-3	SCREEN BLDG UPPER LEVEL	SEE SPEC	DCC #5	0	DCC #5	30A.3P.NF
13	FERRIC CHLORIDE PUMP #2	2HP	460-3	SCREEN BLDG UPPER LEVEL	SEE SPEC	DCC #5	0	DCC #5	30A.3P.NF
14	POLYMER MIXER	1-1/2	460-3	SCREEN BLDG LOWER LEVEL	SEE SPEC	AT UNIT	0	AT UNIT	30A.3P.NF
15	POLYMER METER PUMP	3HP	208-1	SCREEN BLDG LOWER LEVEL	SEE SPEC	DCC #5	0	AT UNIT	30A.3P.NF
16	POLYMER TRANSFER PUMP	7-1/2	460-3	SCREEN BLDG LOWER LEVEL	SEE SPEC	DCC #5	1	DCC #5	30A.3P.NF
17	BLOWER	.10	460-3	SCREEN BLDG LOWER LEVEL	SEE SPEC	DCC #5	1	DCC #5	30A.3P.NF
18	DILUTION WATER PUMP	3.0	460-3	SCREEN BLDG LOWER LEVEL	SEE SPEC	DCC #5	0	DCC #5	30A.3P.NF
19	SUMP PUMP	1/3	120-1	SCREEN BLDG LOWER LEVEL	FLOAT SW **	AT UNIT	NONE	-	MTR. SW.
20	SUMP PUMP	1/3	120-1	SONIC MAN HOLE	FLOOR SW **	ON PUMP	NONE	-	MTR. SW.
21	EFFLUENT SAMPLE PUMP	1/2	120-1	BLOWER BLDG	MSEP	DCC #4	-	-	TOGGLE SW.
22	VAC. PUMP	1/2	460-3	SCREEN BLDG	MSEP	DCC #5	0	DCC #5	30A.3P.NF
23	SAMPLER INFLUENT	1/3	120-1	SCREEN BLDG	SELF CONTAINED ( )	-	-	-	MTR. SW.
24	HEATING COIL	220KW	480-3	SCREEN BLDG	10 STAGE STEP CONTROLLER	DCC #5	-	-	SELF CONTAINED
25	UNIT S-1 (SUPPLY #1)	5HP	480-3	SCREEN BLDG	TIME CLOCK ( ) SEL. SW. SEE SPEC	DCC #5	1	DCC #5	30A.3P.NF
26	EXHAUST FAN E-1	3HP	480-3	SCREEN BLDG ROOF	INTERLOCK WITH MTR 25	DCC #5	0	DCC #5	30A.3P.NF
27	EXHAUST FAN E-2	1HP	480-3	PUMP AND BLOWER	REVERSE ACT STAT**	DCC #4	0	DCC #4	30A.3P.NF
28	UNIT VENTI-LATOR	1/3HP	120-1	SCREEN BLDG OFFICE	SEE SPEC	DCC #5	0	DCC #5	30A.3P.NF
29	HEATING COIL	6KW	480-3	SCREEN BLDG OFFICE	3 STAGE STEP CONTROLLER	DCC #5	-	-	SELF CONTAINED
30	OIL PUMP	1/4	120-1	SCREEN BLDG	FLOAT SW.	DAY TANK	-	-	MTR. SW.
31	HEATING COIL	15.6KW	480-3	SCREEN BLDG LOWER	6 STAGE STEP CONTROLLER	DCC #5	-	-	SELF CONTAINED
32	UNIT VENTI-LATOR	1/3HP	120-1	SCREEN BLDG LOWER	SEE SPEC	DCC #5	0	DCC #5	30A.3P.NF
33	EFFLUENT SAMPLER	1/3	120-1	PUMP AND BLOWER BLDG	SELF CONTAINED	-	-	-	MS
34	EXHAUST FAN E-3	3	460-3	PUMP AND BLOWER BLDG	REVERSE ACT STAT**	PUMP RM	1	DCC #4	30A.3P.NF
35	ELEC. UNIT HEATER	7.5KW	480-3	PUMP AND BLOWER BLDG	STAT	BLOWER ROOM	-	-	BY MFGR
36	ELEC. UNIT HEATER	7.5KW	480-3	PUMP AND BLOWER BLDG	STAT	-	-	-	BY MFGR
37	ELEC. UNIT HEATER	15KW	480-3	PUMP AND BLOWER BLDG	STAT	PUMP RM	-	-	BY MFGR
38	CHLORINE EXN	2 HP	460-3	CHLORINE BLDG	TIMER (2)	CARAGE	0	CARAGE	30A.3P.NF
39	SUPPLY FAN	1/2HP	120-1	CARAGE	M.S. AND PILOT	CARAGE	-	-	-
40	SLUICE GATE	1HP	460-3	BYPASS STRUCT.	SEE SPEC.	DCC #5	0 REVOLVING	DCC #5	30A.3P.NF(NP)

MOTOR NOTES

- (1) PROVIDE A REDUCED VOLTAGE CLOSED TRANSITION AUTOTRANSFORMER STARTER FOR THIS MOTOR.
- (2) TIMER SHALL BE INTERMATIC #8885 WITH OMITTING DEVICES. PROVIDE A WEATHERPROOF BYPASS SWITCH AT EXTERIOR OF CHLORINE ROOM.

SCHEDULE - LIGHTING FIXTURE TYPES

TYPE LETTER	FIXTURE TYPE	FACE	H/2" Ø	H/D	MOUNTING	LAMPS	CONTROL MEDIA (LENS, LOUVER ETC)	MANUFACTURER'S CATALOG NUMBER	REMARKS
A	RLM		X		SURFACE	150 WATT A-21	STD. DOME REFLECTOR GLASSTEEL DIFFUSER	SPEKO #00B-516G50 MILLER AC 1141 OR EQUAL	OUTLET BOX MOUNTING
A-1	RLM		X		STEM	150 WATT A-21	STD. DOME REFLECTOR GLASSTEEL DIFFUSER	SPEKO #00B-516G50 MILLER AC 1141 OR EQUAL	
B	EXTERIOR		X		WALL BRACKET	175 WATT H39-22KC/OX	PRISMATIC GLASS HIGH IMPACT RESISTANCE	STONCO #532-175MM ART METAL MWBA OR EQUAL	BLACK FINISH 480 VOLT
B-1	EXTERIOR		X		WALL BRACKET	250 WATT H37-5KC/DX	PRISMATIC GLASS HIGH IMPACT RESISTANCE	STONCO #542-250MM ART METAL MWBB OR EQUAL	BLACK FINISH 480 VOLT SEE NOTE 1
C	STAIR		X		WALL MOUNTED	2-75 WATT	OPAL WHITE GLASS	HALO #2411-2 MARKSTONE #781 OR EQUAL	
D	AREA LIGHT		X		POST	250 WATT H37-5KC/DX	WHITE ACRYLIC PLASTIC	STERNER #BC36-250M 12.5A GE #C71660 08-95-112197-13 OR EQUAL	SEE NOTE 2
E	OMITTED								
F	KEYLESS		X		OUTLET BOX	1-150 WATT A21	NONE	BRYANT #5228 P65-37 OR EQUAL	W/WIREGUARD
G	HIGH BAY		X		OUTLET BOX	250 WATT H37-5KC/DX	SPECTULAR HEX/CLEAR GLASS	WIDE LIGHT #11-257-56-00 OR EQUAL	480 VOLT
H	EXPLOSION PROFF		X		SURFACE	1-150 WATT A-21	PRISMATIC REFRACTOR	CROUSE HINDS EVA 1105 APPLETON AAC15506 OR EQUAL	SUITABLE FOR 1 GROUP D
J	2' X 4'	X			SURFACE	4-40 WATT	ACRYLIC-PLASTIC	GLOBE ILL #QYE-8152-48 OR EQUAL	120 VOLT
K	1' X 4'	X			SURFACE	2-40 WATT	ACRYLIC-PLASTIC	GLOBE ILL #QYE-8258-48 OR EQUAL	120 VOLT
L	EXTERIOR		X		CEILING	1-100 WATT E23-1/2 DX	CORNING C73	ART METAL M-3509-ITL CLEAR 1031 OR EQUAL	480 VOLT
M	1' X 4'	X			WALL	2-40 WATT	ACRYLIC PLASTIC	KEENE #CWB 240-B OR EQUAL	120 VOLT

PANELBOARD SCHEDULE

PANEL NO.	BUS AND TYPE	MAIN LUGS		CIRCUIT BREAKERS				INT. AMPS RMS. 5YM	MOUNTING	
		SIZE	LOCA.	QUAN.	FRAME SIZE	TRIP RATING	POLES			USE
DCC #4	120/208V, 3Ø, 4W, 100A MAIN	#2	BOTTOM	1	50	40	3	MAIN	10,000	IN DCC
				3	50	20	1	LGT. CCTS		
				5	50	20	1	RECEPT. CCTS		
				3	50	20	1	SPARES		
DCC #5	120/208V, 3Ø, 4W, 100A MAINS	#2	BOTTOM	1	100	60	3	MAIN	10,000	IN DCC
				3	50	20	1	LGT. CCTS.		
				9	50	20	1	RECEPT. CCTS.		
				4	50	20	1	MOTORS		
				4	50	20	1	SPARES		
				3	50	20	1	SUPERVISORY CONT.		
				1	50	20	2	MOTOR # 15		

GENERAL NOTES:

1. CIRCUIT NUMBERS SHOWN ON THESE DRAWINGS SHALL NOT NECESSARILY CORRESPOND TO ACTUAL CIRCUIT BREAKER NUMBERS.
2. VERIFY LOCATION OF ALL MOTORS WITH MECHANICAL PLANS BEFORE ROUGH-IN.
3. ADJUST MOUNTING HEIGHTS OF ALL OUTLETS IF REQUIRED SO AS NOT TO INTERFERE WITH OTHER EQUIPMENT. VERIFY CHANGES WITH ENGINEER.
4. IN MECHANICAL EQUIPMENT ROOMS, CONDUIT FOR LIGHTING FIXTURES MAY BE RUN EXPOSED.
5. VERIFY TYPE OF CEILING CONSTRUCTION FOR PROPER MOUNTING OF ALL RECESSED LIGHT FIXTURES.
6. INTERRUPTING RATINGS NOTED IN SCHEDULES SHALL APPLY TO ENTIRE PANELBOARD AND/OR SWITCHBOARD. ALL EQUIPMENT COMPRISING PANELS AND/OR SWITCHBOARDS SHALL EITHER BE RATED FOR SHOR CIRCUIT CURRENT NOTED OR BE SUITABLY PROTECTED FOR THE AVAILABLE SHORT CIRCUIT CURRENT.
7. LETTER THUS: "M" - INDICATES TYPE OF LIGHTING FIXTURES. REFER TO LIGHTING FIXTURE TYPES IN SPECIFICATIONS.

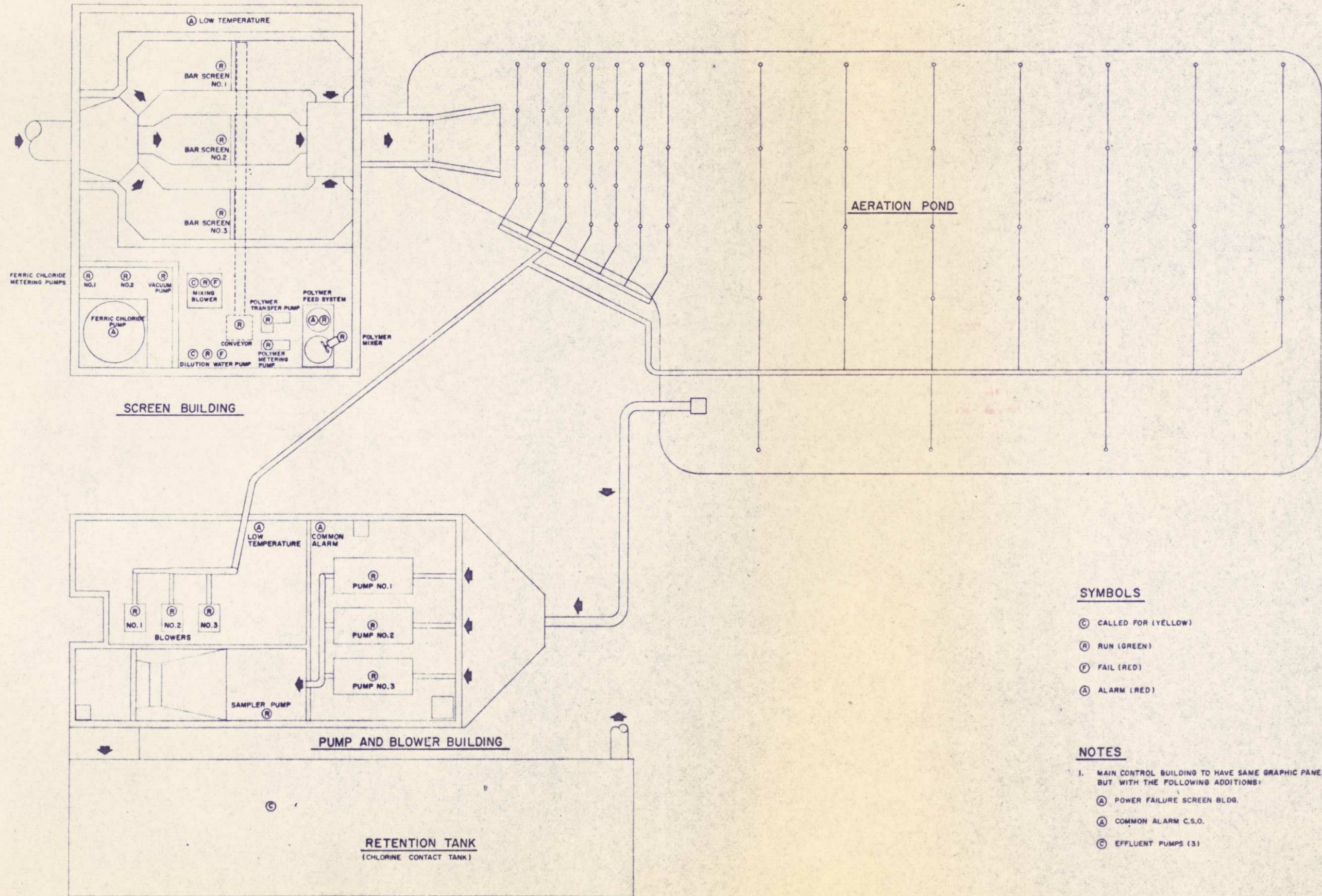
**ERICKSEN ELLISON**  
AND ASSOCIATES INC.  
CONSULTING ENGINEERS  
SAINT PAUL, MINNESOTA

DESIGNED BY: J. J. HALL  
DRAWN BY: J. J. HALL  
CHECKED BY: J. J. HALL  
DATE: JUNE 14, 1975

BONESTROO, ROSENE, ANDERLIK & ASSOC., INC.  
ST. PAUL, MINNESOTA

SUPERIOR, WISCONSIN  
DATE: JUNE 14, 1975

C.S.O. PLANT-DISTRICT 2  
ELECTRICAL SCHEDULES



**SYMBOLS**

- (C) CALLED FOR (YELLOW)
- (R) RUN (GREEN)
- (F) FAIL (RED)
- (A) ALARM (RED)

**NOTES**

1. MAIN CONTROL BUILDING TO HAVE SAME GRAPHIC PANEL BUT WITH THE FOLLOWING ADDITIONS:
  - (A) POWER FAILURE SCREEN BLDG.
  - (A) COMMON ALARM C.S.O.
  - (C) EFFLUENT PUMPS (3)