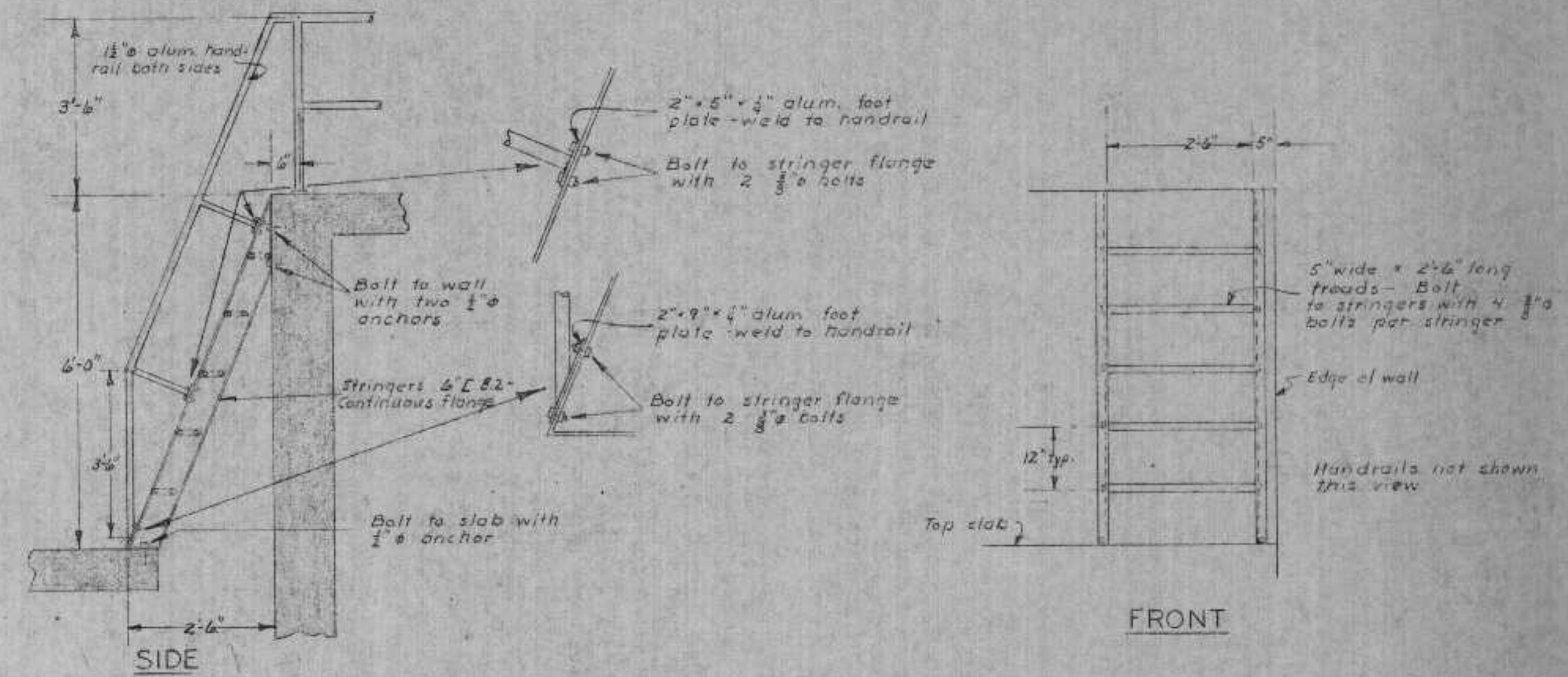
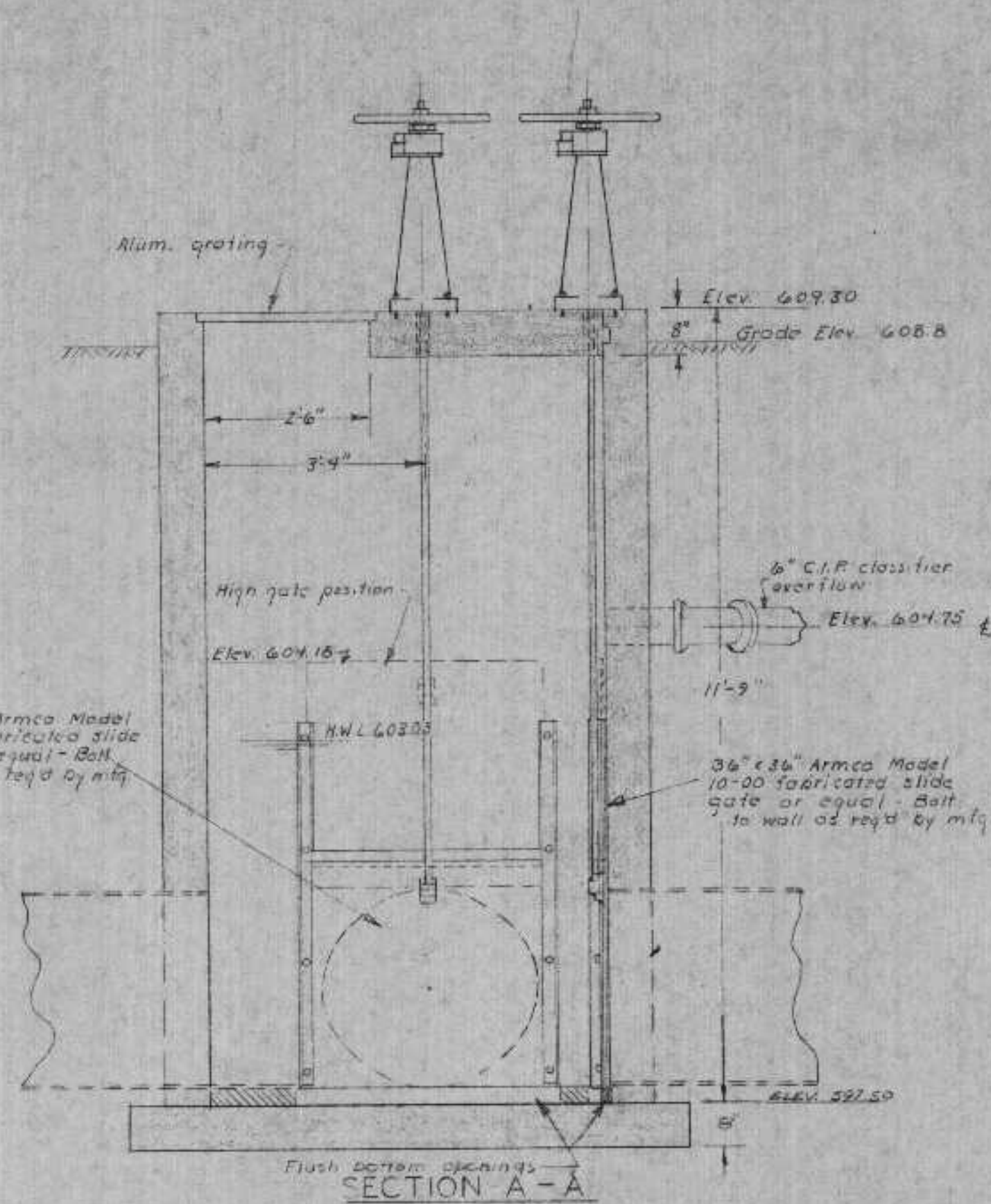
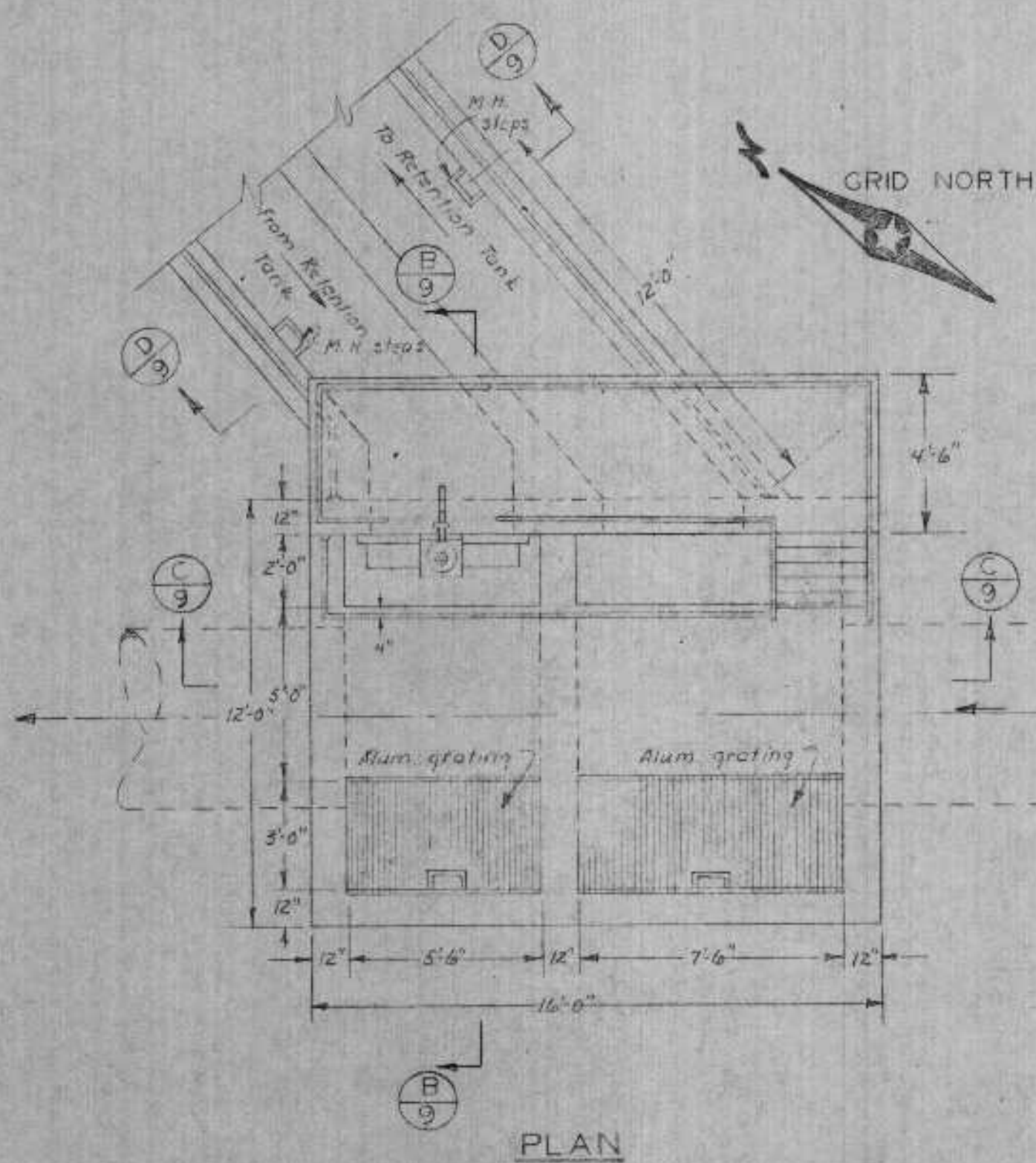


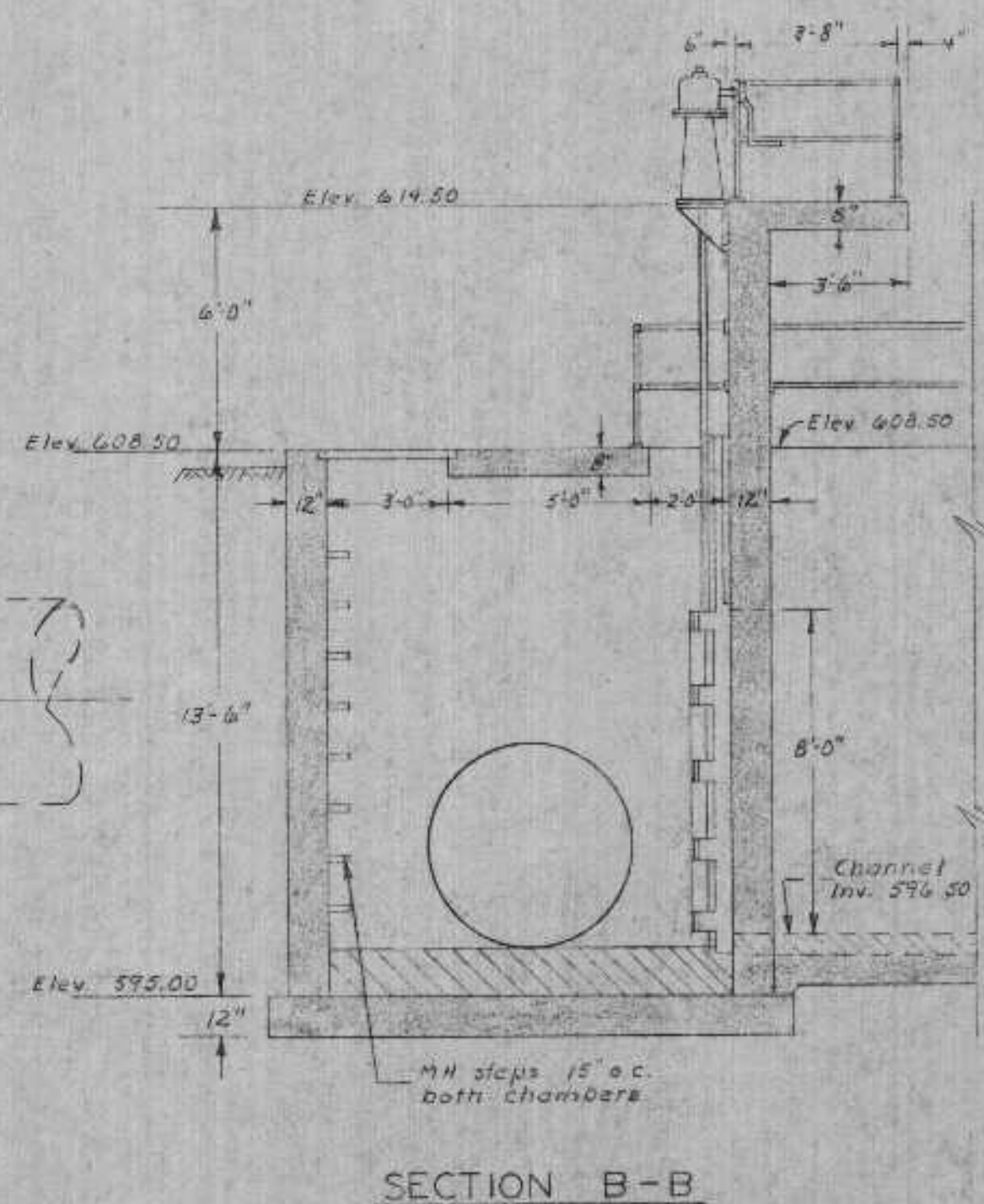
**DIVERSION BOX "A"**  
Scale: 1/2" = 1'-0"



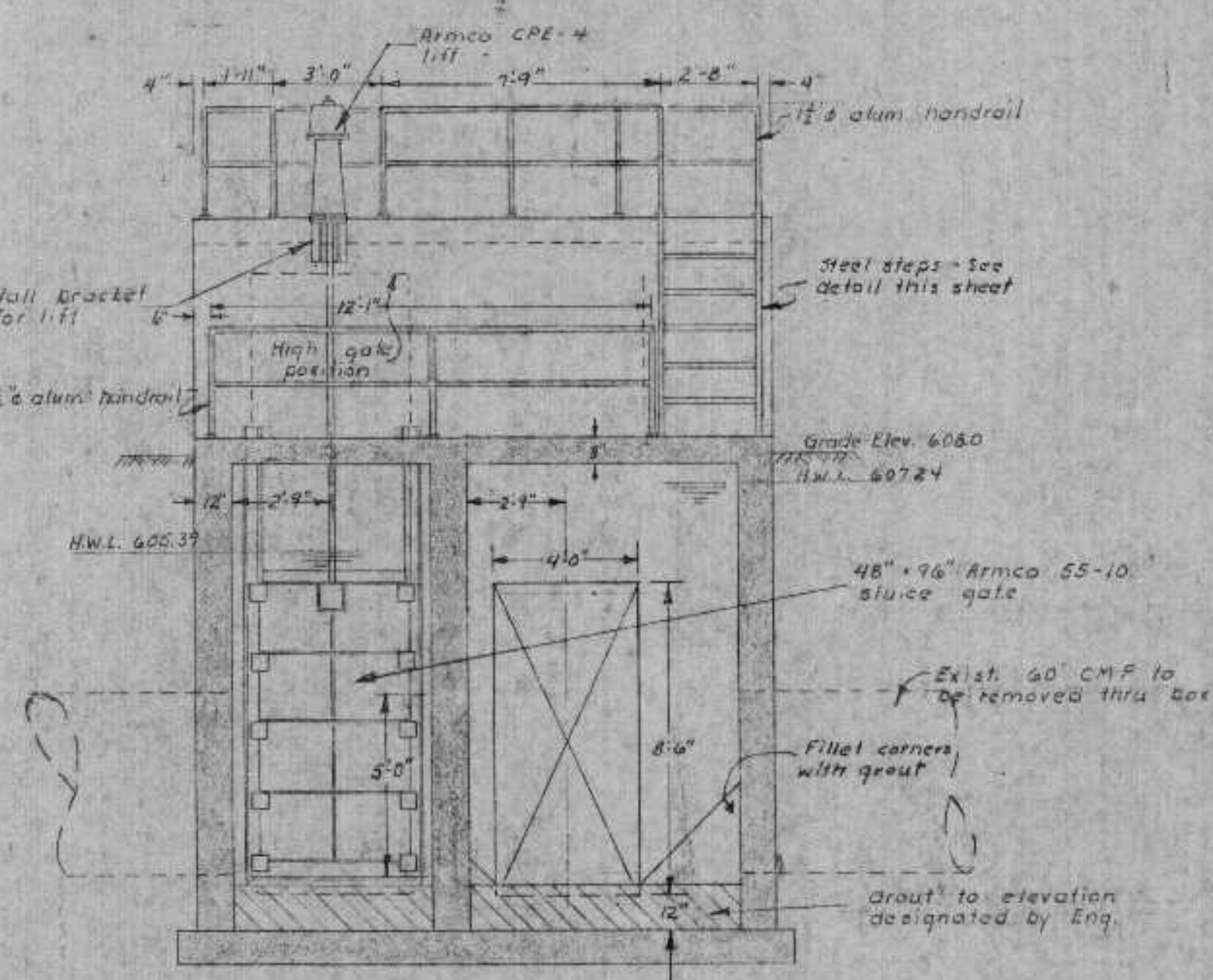
**DIVERSION BOX "B" STEEL STEPS DETAILS**  
Scale: 1/2" = 1'-0"



**PLAN**

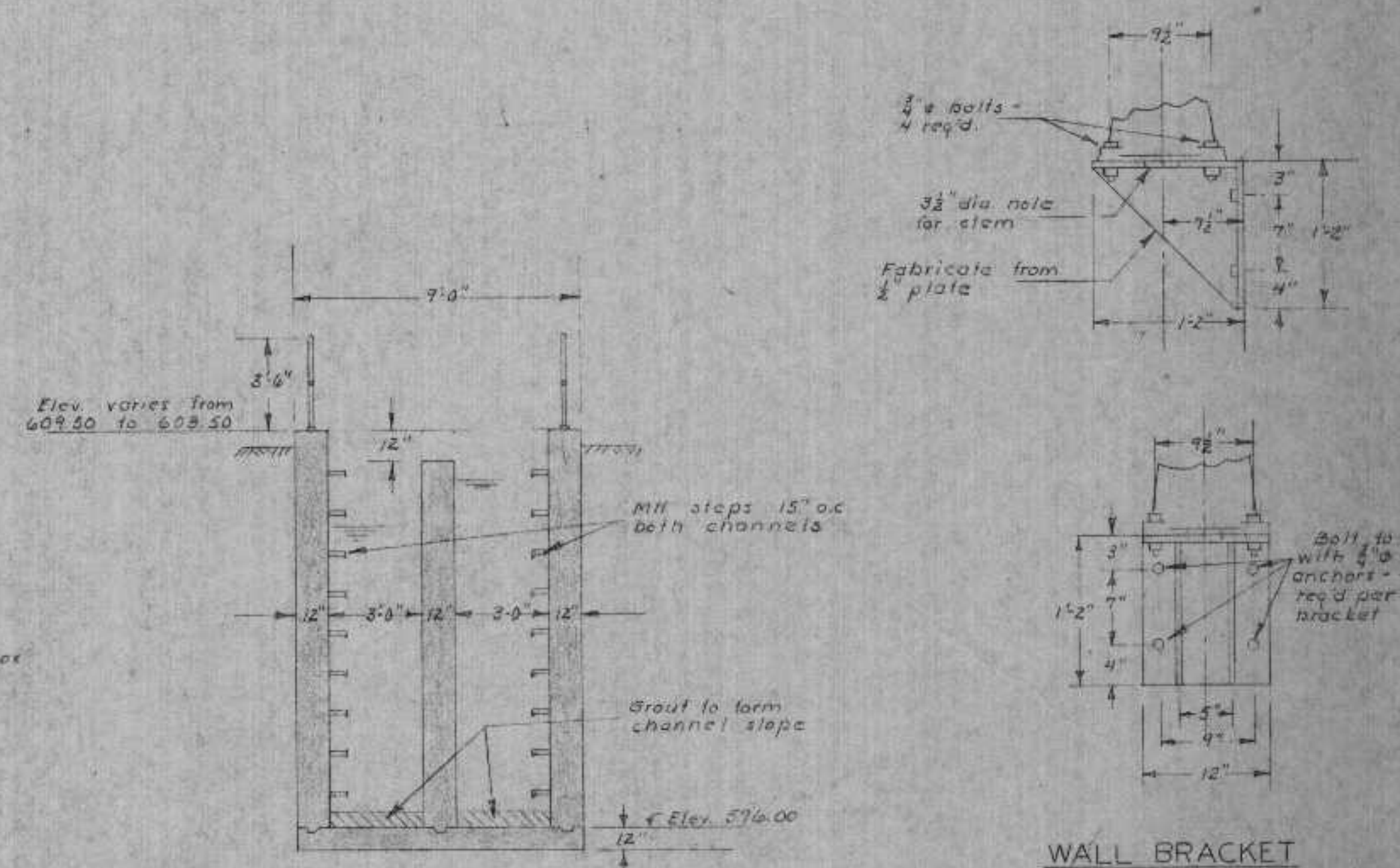


**SECTION B-B**

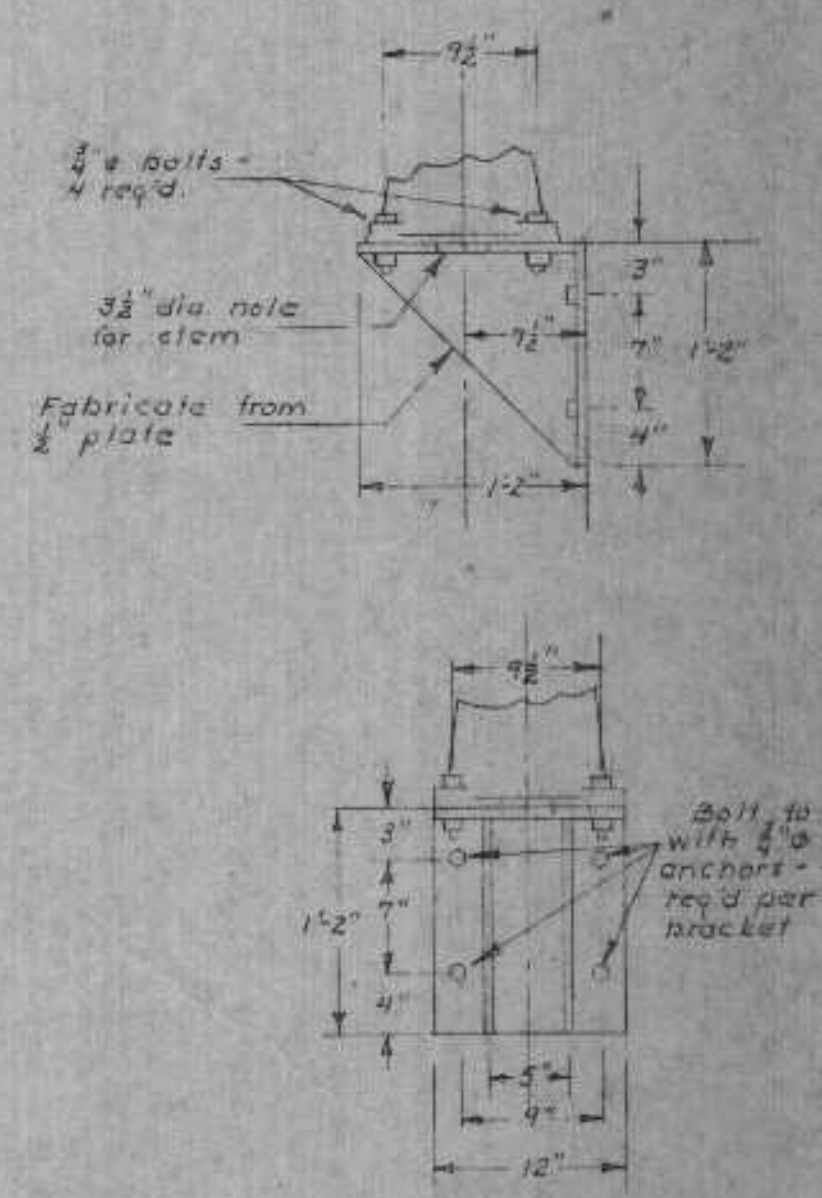


**SECTION C-C**

**DIVERSION BOX "B"**  
Scale: 3/8" = 1'-0"



**SECTION D-D**



**WALL BRACKET FOR LIFTS - 2 REQ'D**  
Scale: 1" = 1'-0"

REVIEWED AND APPROVED BY THE  
DIR. OF ENVIRONMENTAL PROTECTION,  
DEPT. NATURAL RESOURCES,  
IN ACCORDANCE WITH SEC. 144.04,  
WIS. STATS., SUBJECT TO THE CONDITIONS  
SET FORTH IN THE LETTER OF APPROVAL  
THOMAS G. FRANGOS  
ADMINISTRATOR

APPROVAL NO.  
**72 355**

DATE: FEB 4 '74

DNR JAN 3 1974

SURVEY	REVISIONS
DRAWN	01/17/71
DESIGN	Removed Bypass
APPROVED	6/17

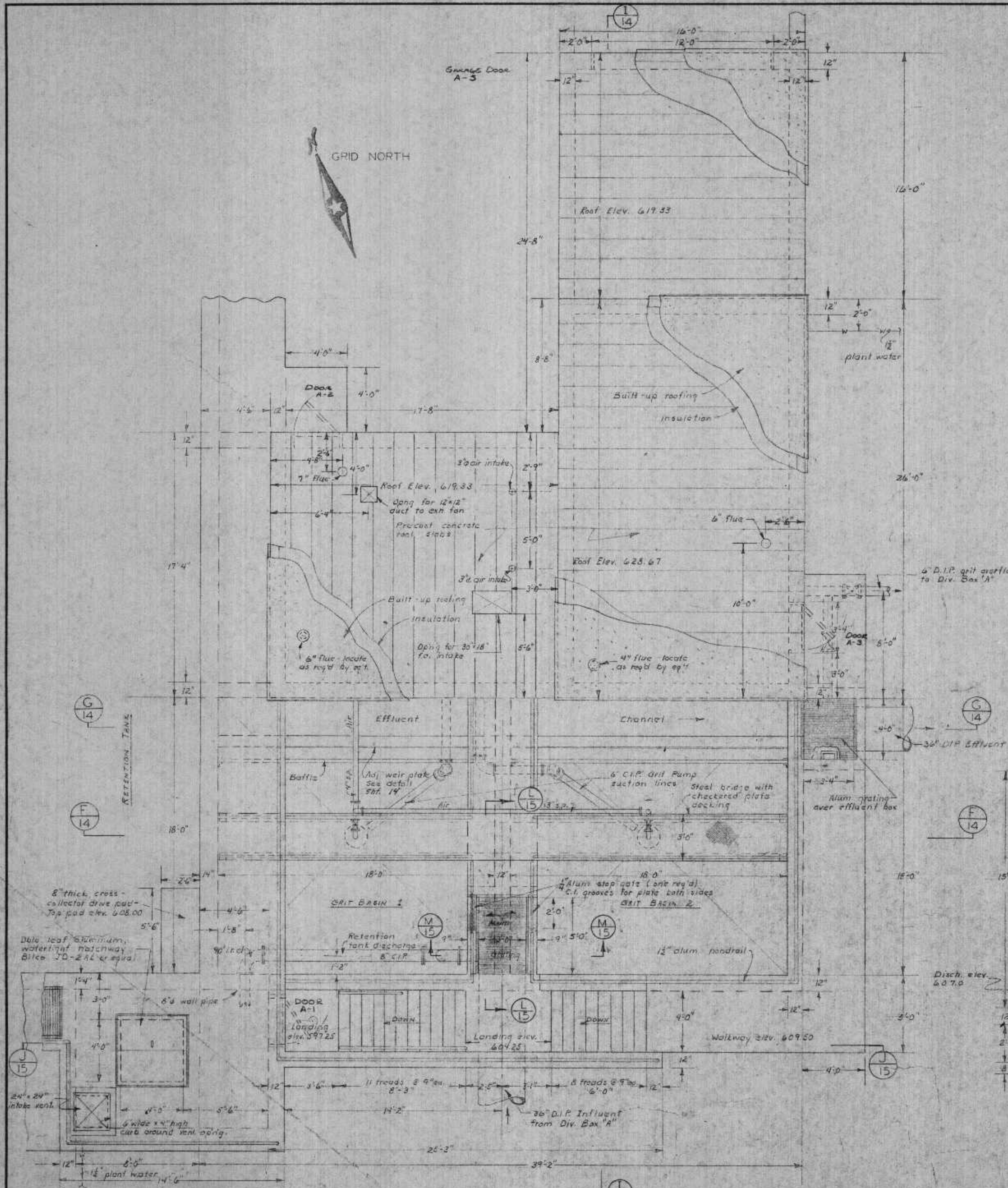
**BONESTROO, ROSENE, ANDERLIK & ASSOC., INC.**  
ST. PAUL, MINNESOTA

**SUPERIOR, WISCONSIN**  
DATE: FEBRUARY 2, 1971 COMM: 6888 A

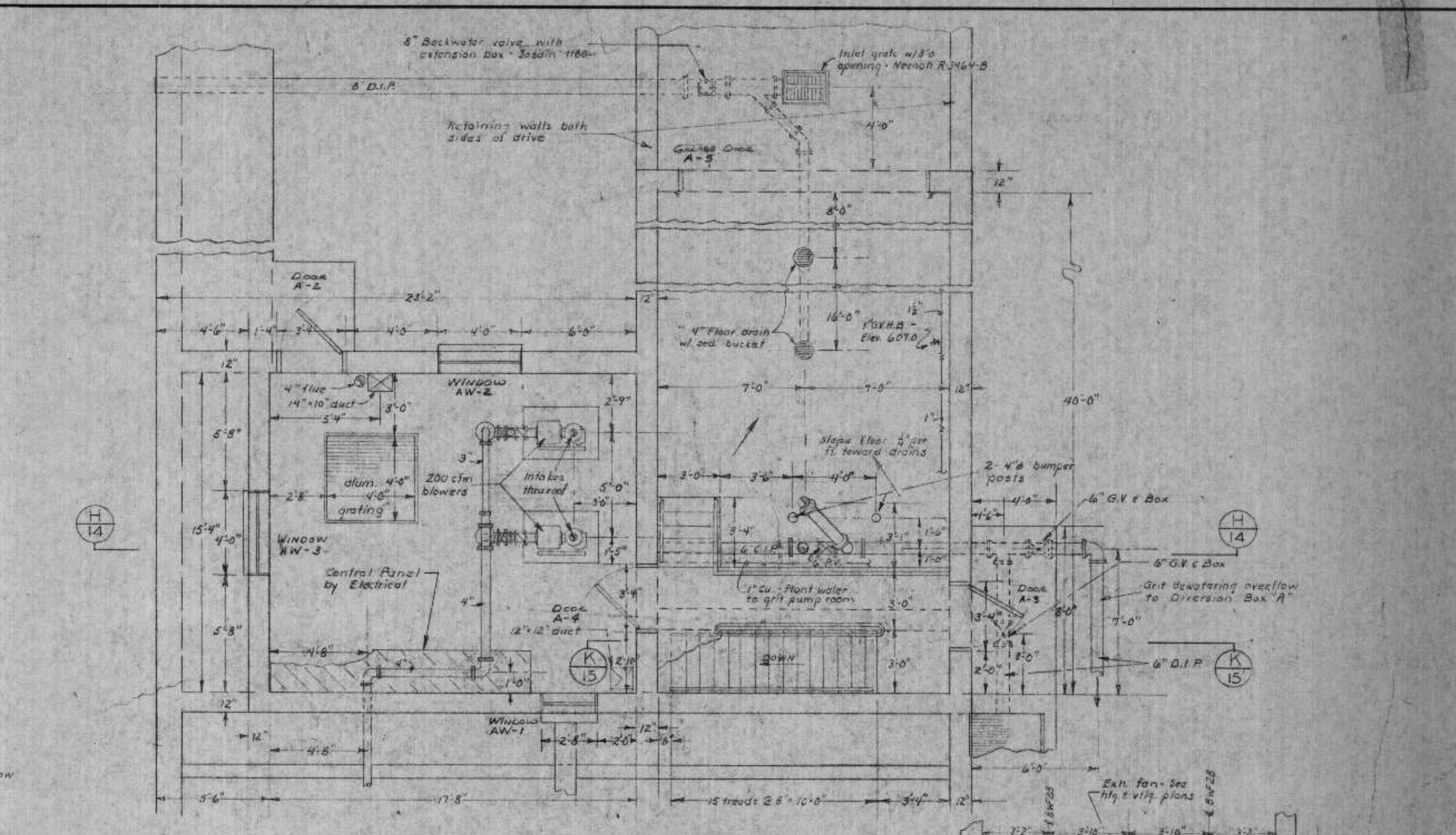
**DIVERSION BOX "A & B"**

9/84

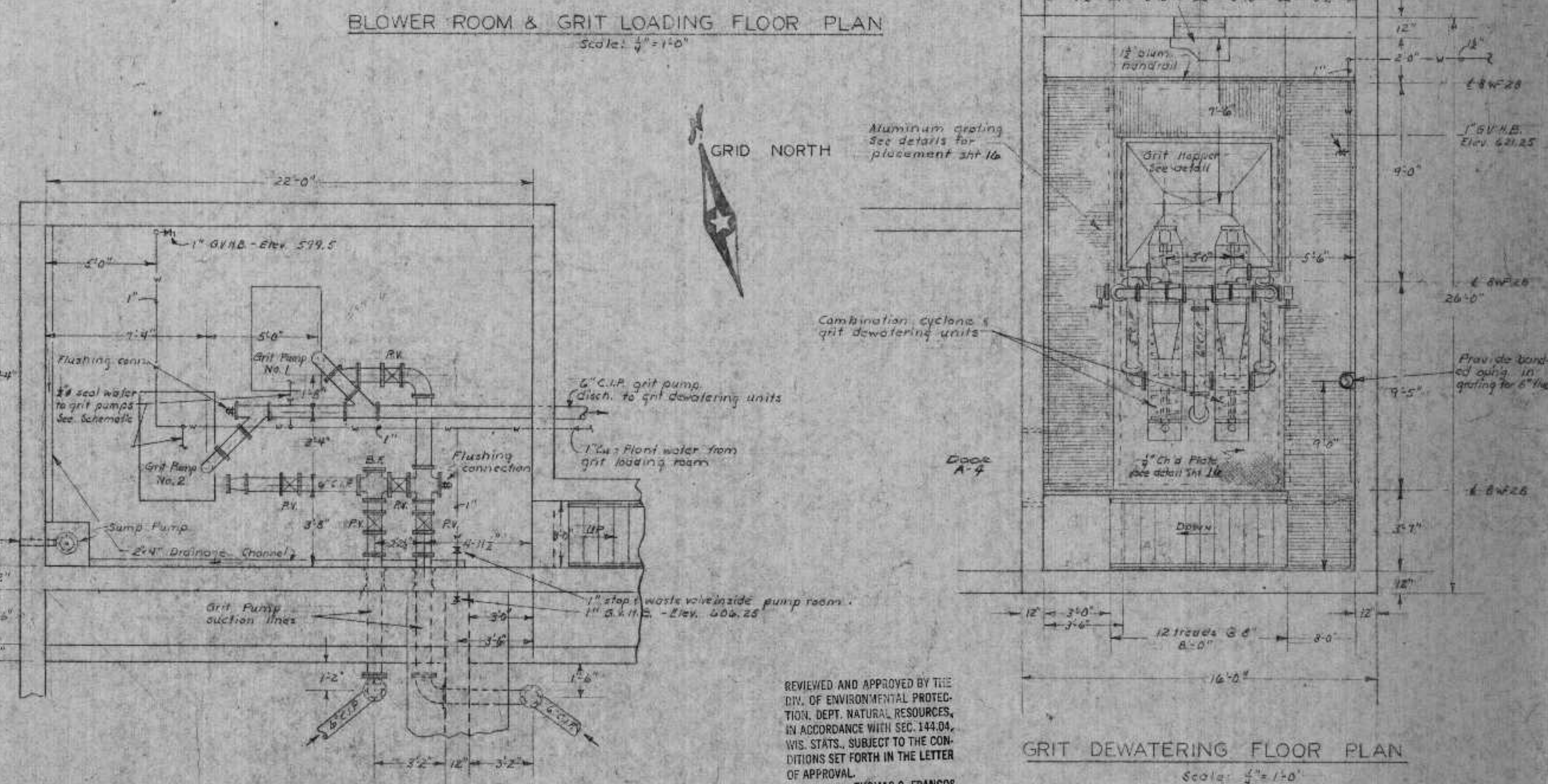




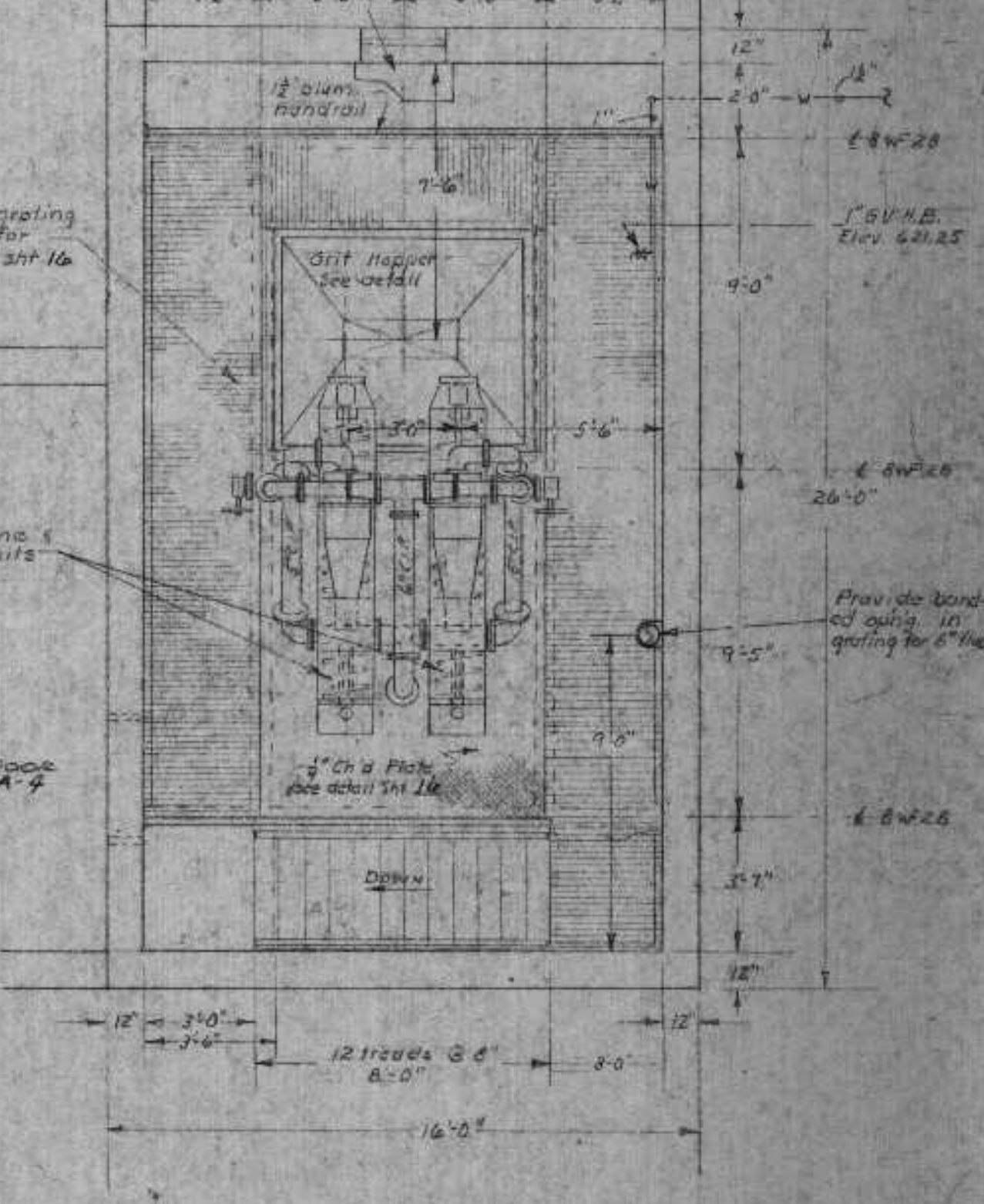
GRIT BUILDING & GRIT BASINS PLAN  
Scale: 1/4" = 1'-0"



BLOWER ROOM & GRIT LOADING FLOOR PLAN  
Scale: 1/4" = 1'-0"



GRIT PUMP ROOM PLAN  
Scale: 1/4" = 1'-0"



GRIT DEWATERING FLOOR PLAN  
Scale: 1/4" = 1'-0"

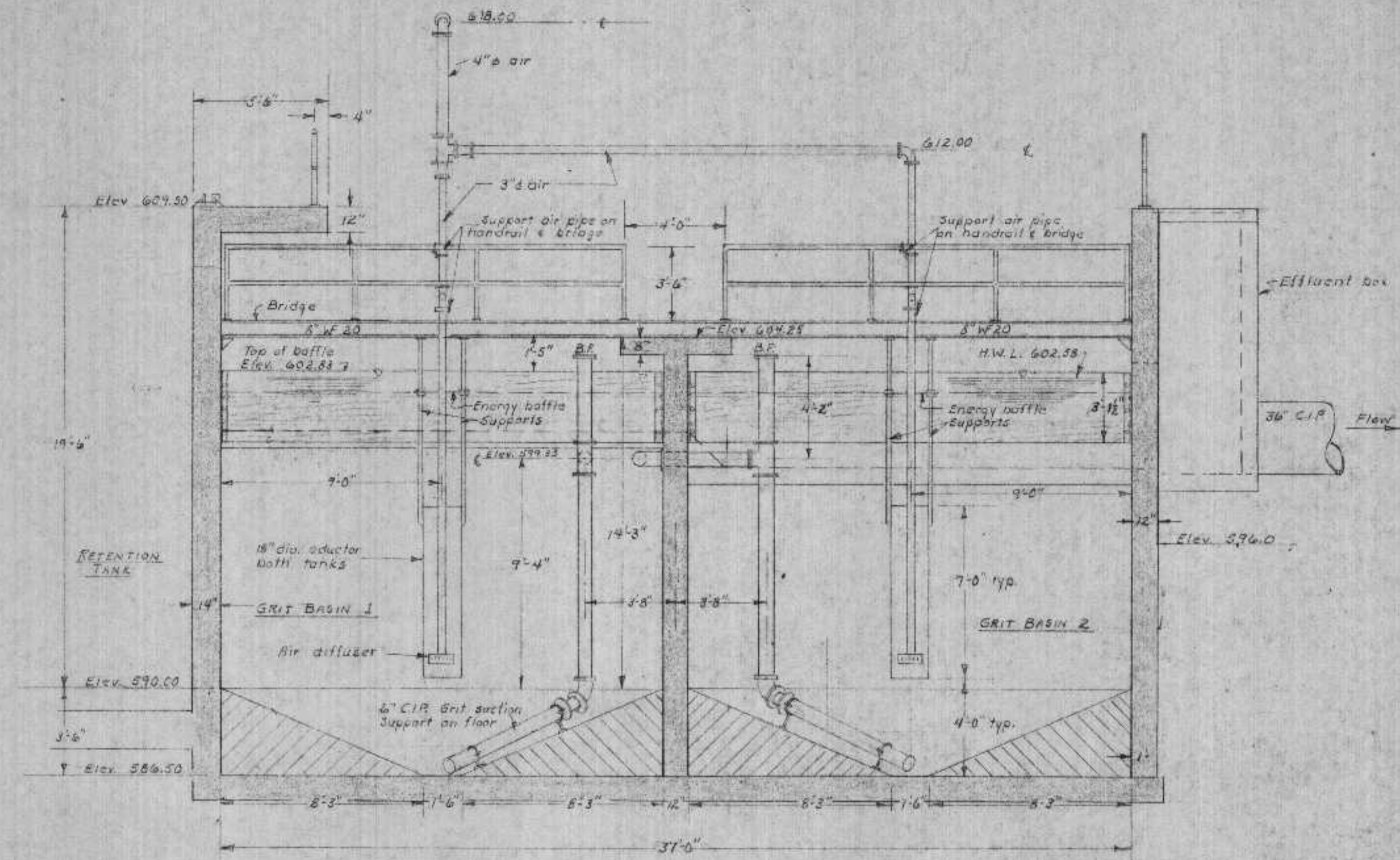
REVIEWED AND APPROVED BY THE  
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WIS. STATS., SUBJECT TO THE CONDITIONS SET FORTH IN THE LETTER  
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THOMAS G. FRANGOS  
ADMINISTRATOR

APPROVAL NO.  
**72 355**

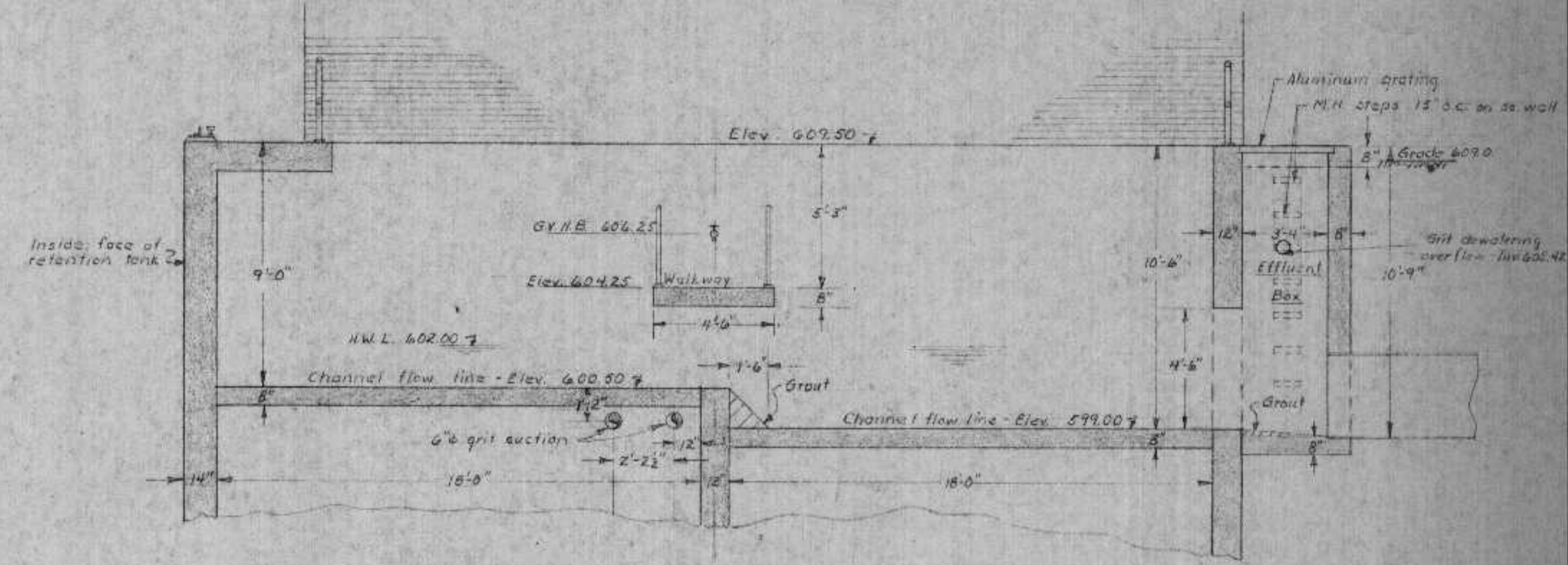
DATE: FEB 4 '74

DNR JAN 3 1974

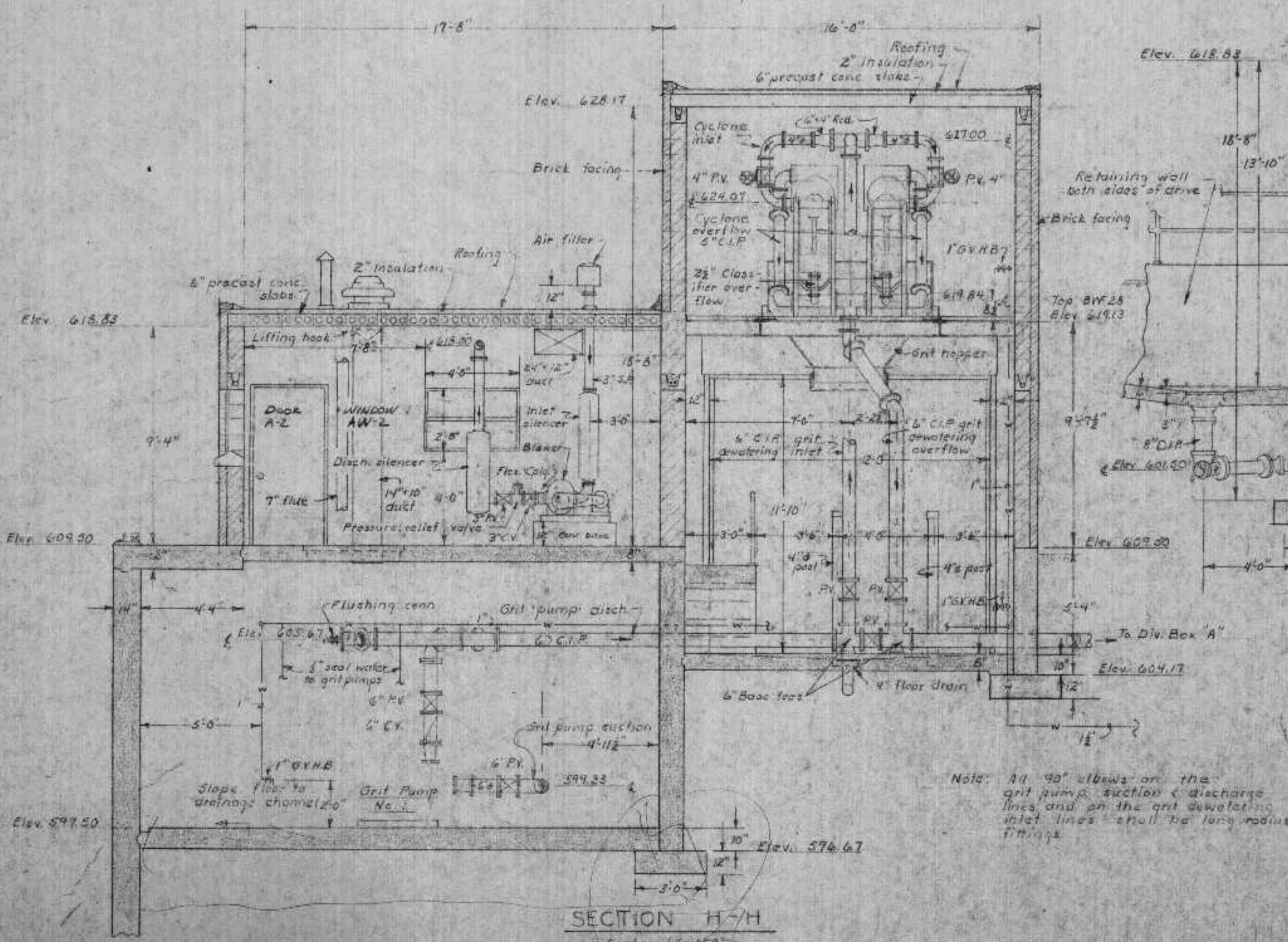




SECTION F-F  
Scale: 1/4" = 1'-0"

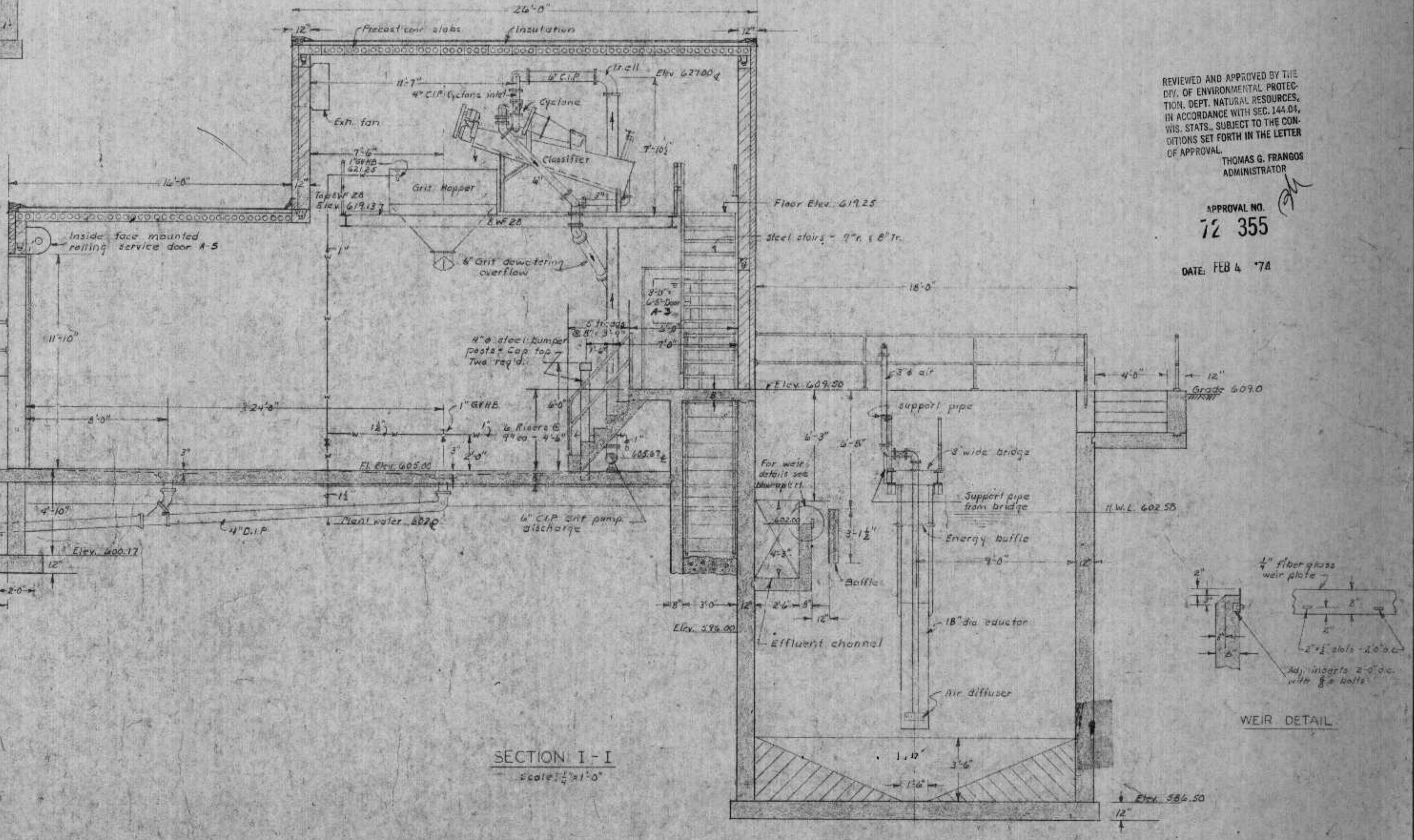


SECTION G-G  
Scale: 1/4" = 1'-0"



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

Note: All 90° elbows on the grit pump suction & discharge lines and on the grit de-watering inlet lines shall be large radius fittings.



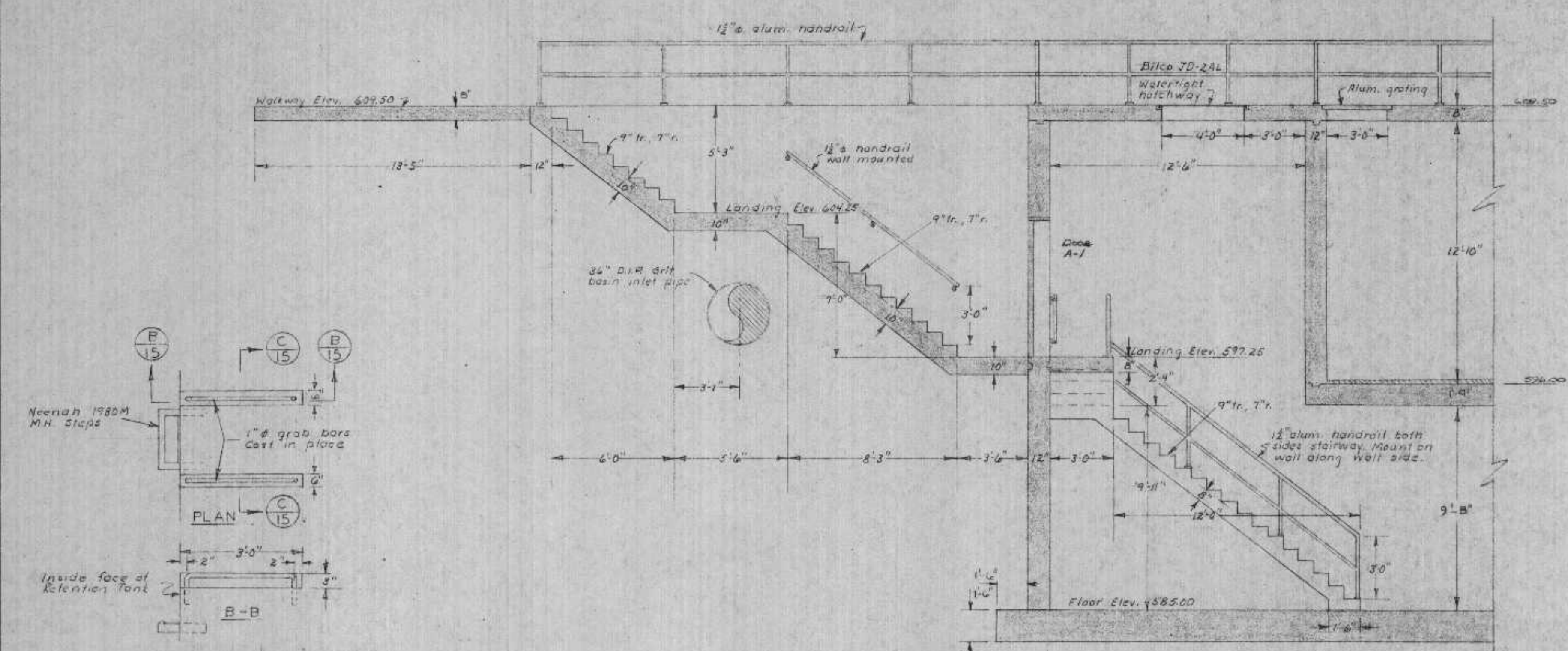
SECTION I-I  
Scale: 1/4" = 1'-0"

REVIEWED AND APPROVED BY THE  
DIV. OF ENVIRONMENTAL PROTECTION,  
DEPT. NATURAL RESOURCES,  
WIS. STATE, SUBJECT TO THE CONDITIONS SET FORTH IN THE LETTER OF APPROVAL.  
THOMAS G. FRANGOS  
ADMINISTRATOR

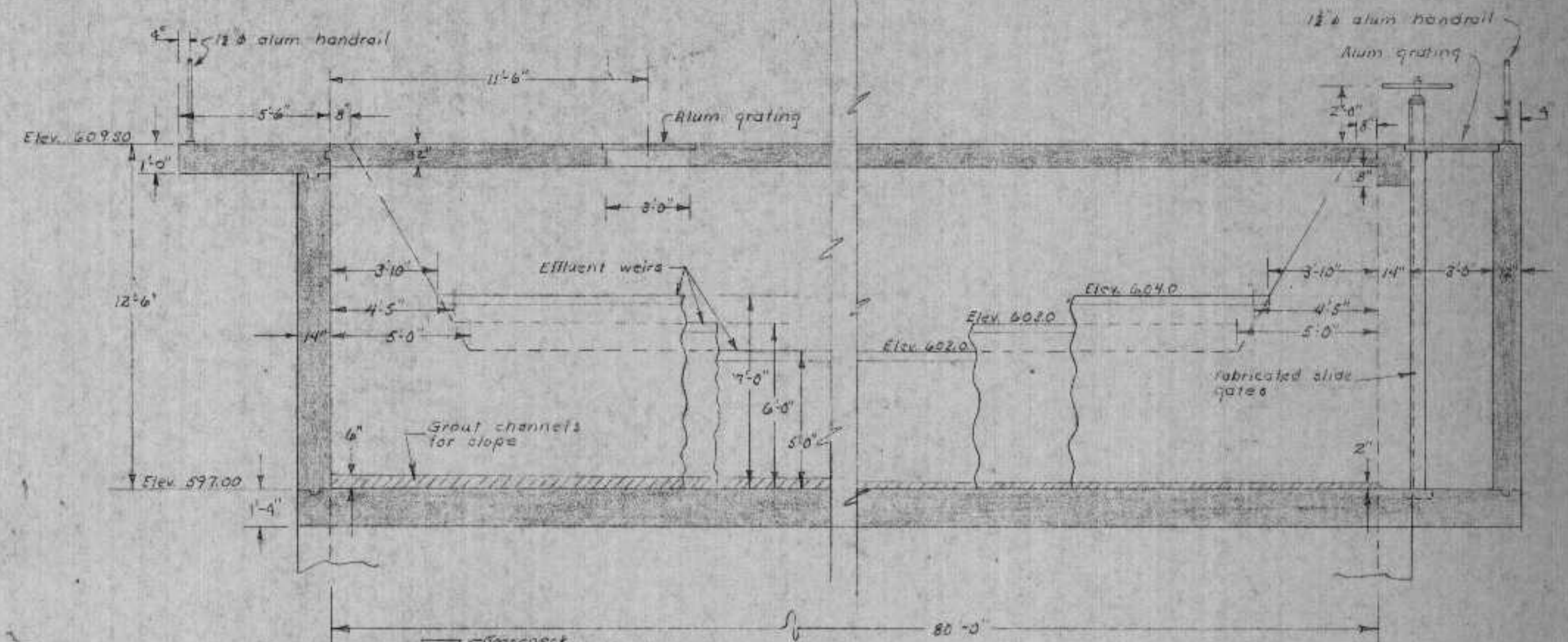
APPROVAL NO.  
**72 355**  
DATE: FEB 4 '74

DMW JAN 5 1974

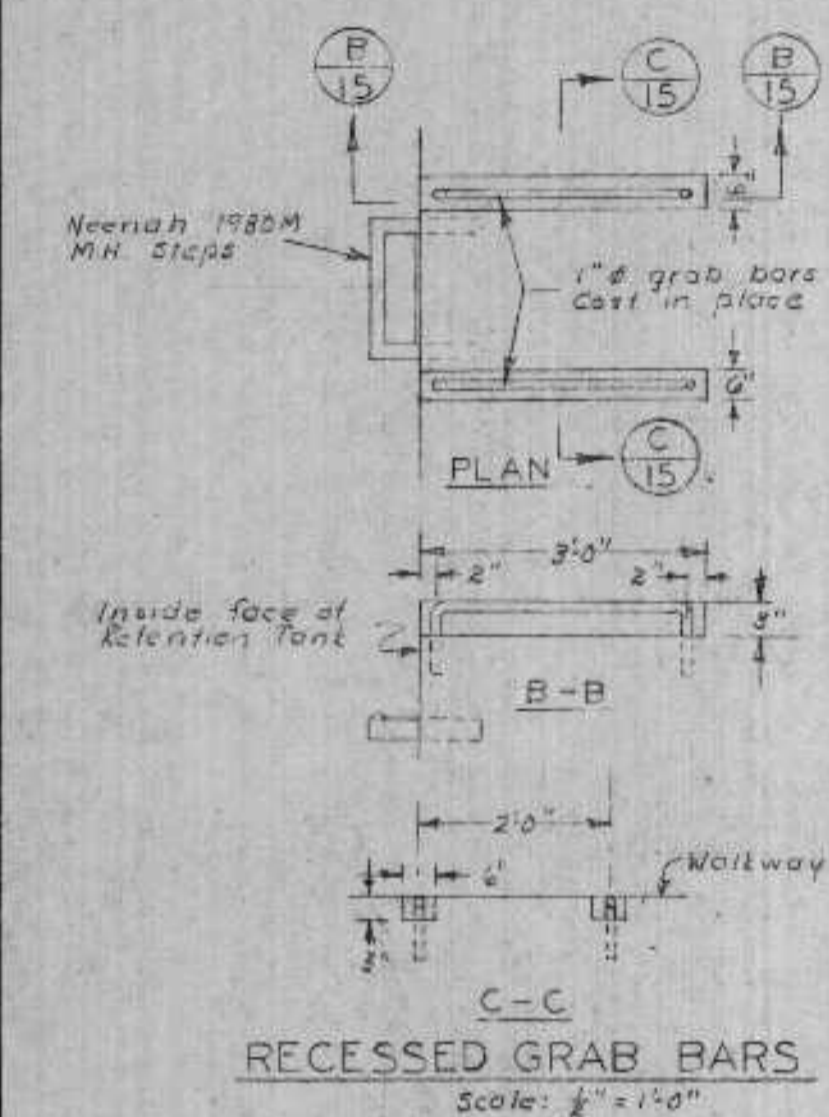




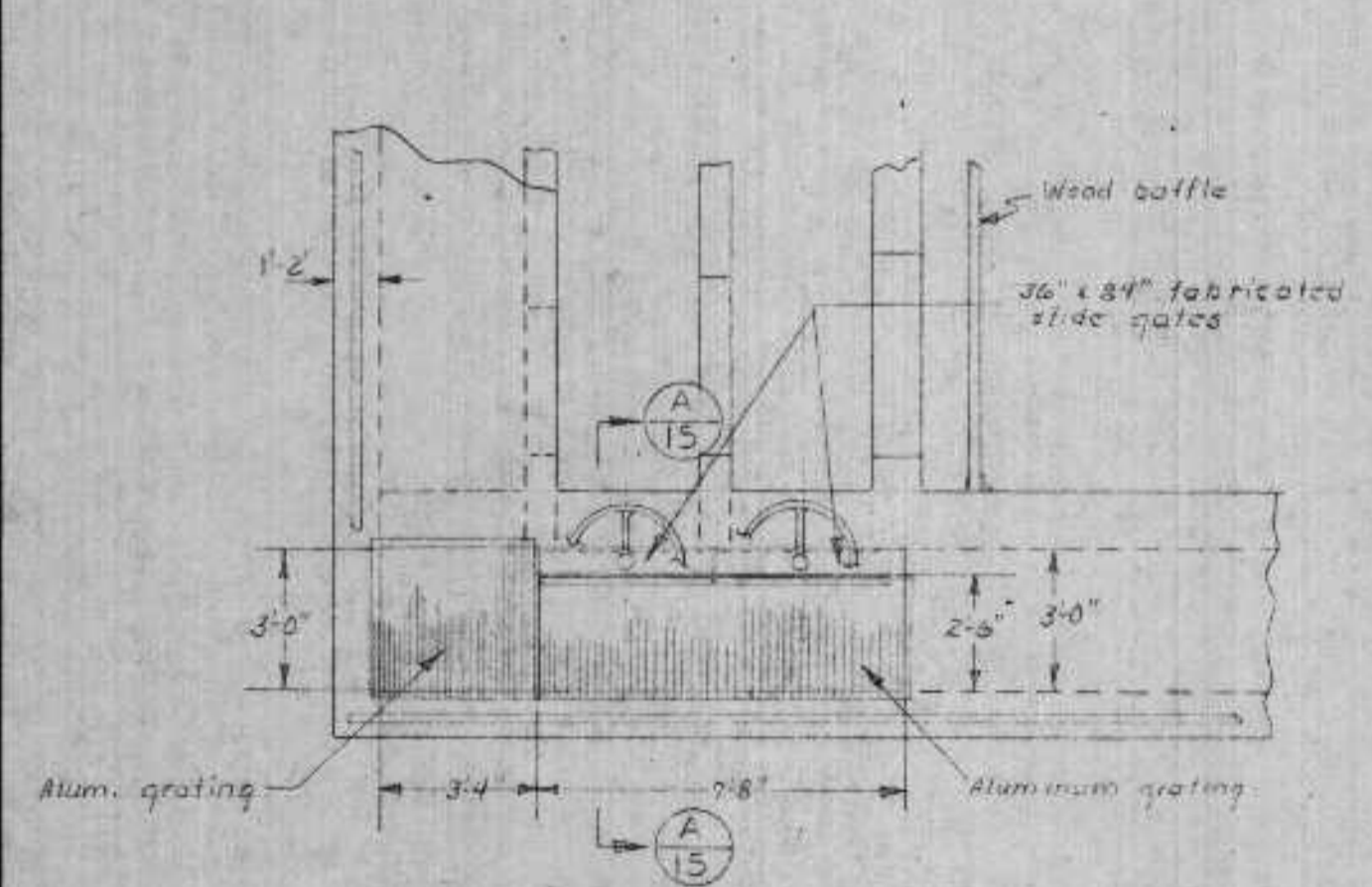
SECTION J-J  
Scale: 1/4" = 1'-0"



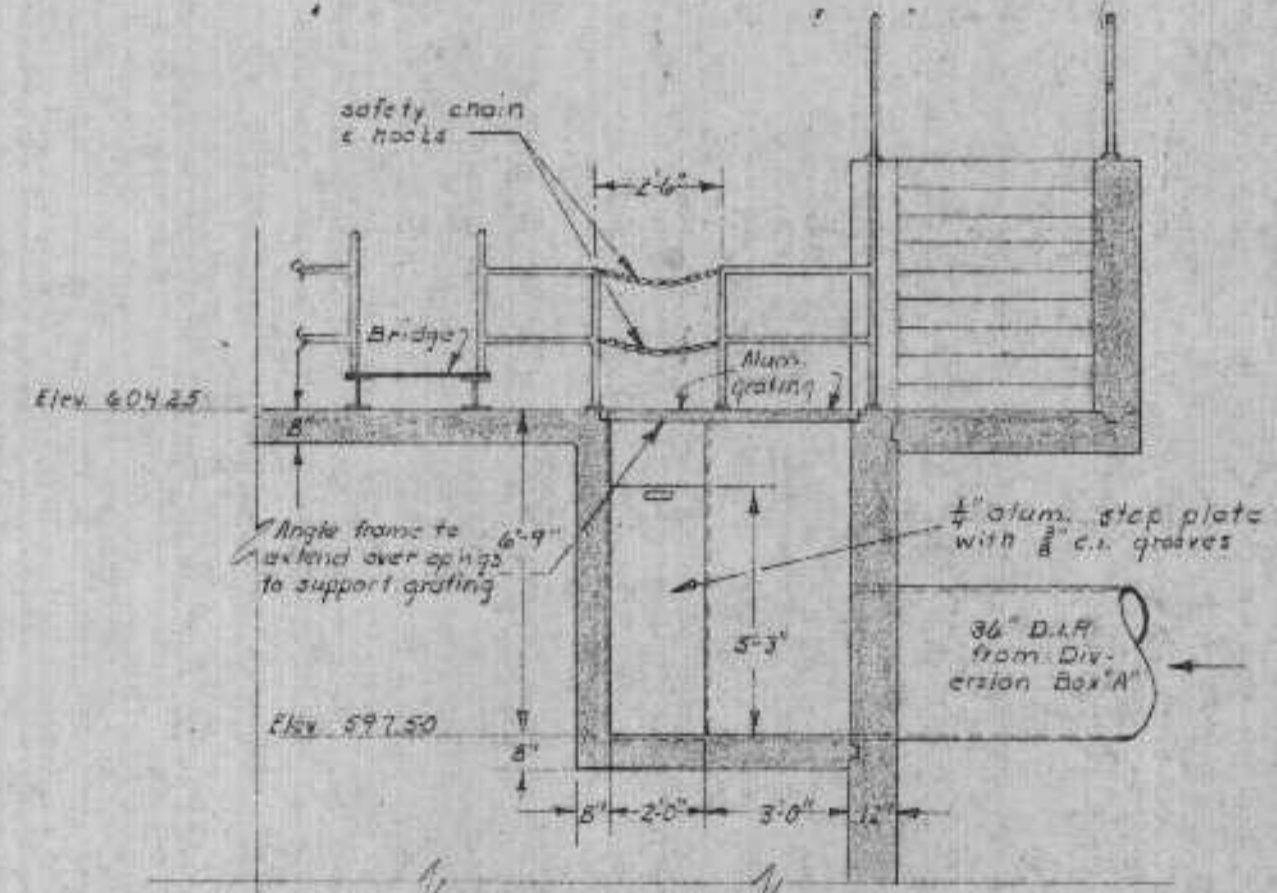
SECTION E-E  
Scale: 1/4" = 1'-0"



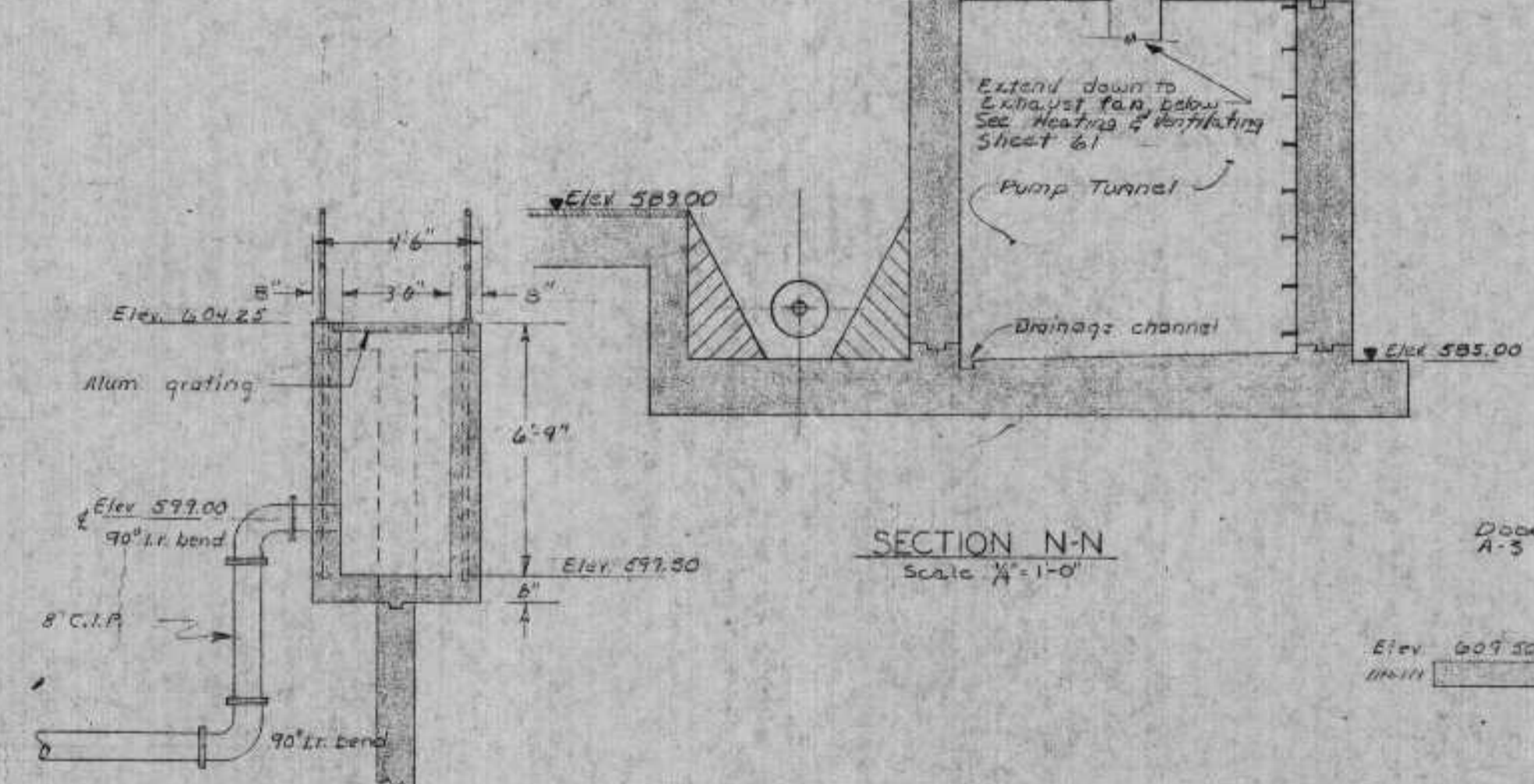
RECESSED GRAB BARS  
Scale: 1/4" = 1'-0"



RETENTION TANK N.W. CORN. DETAILS  
Scale: 1/4" = 1'-0"

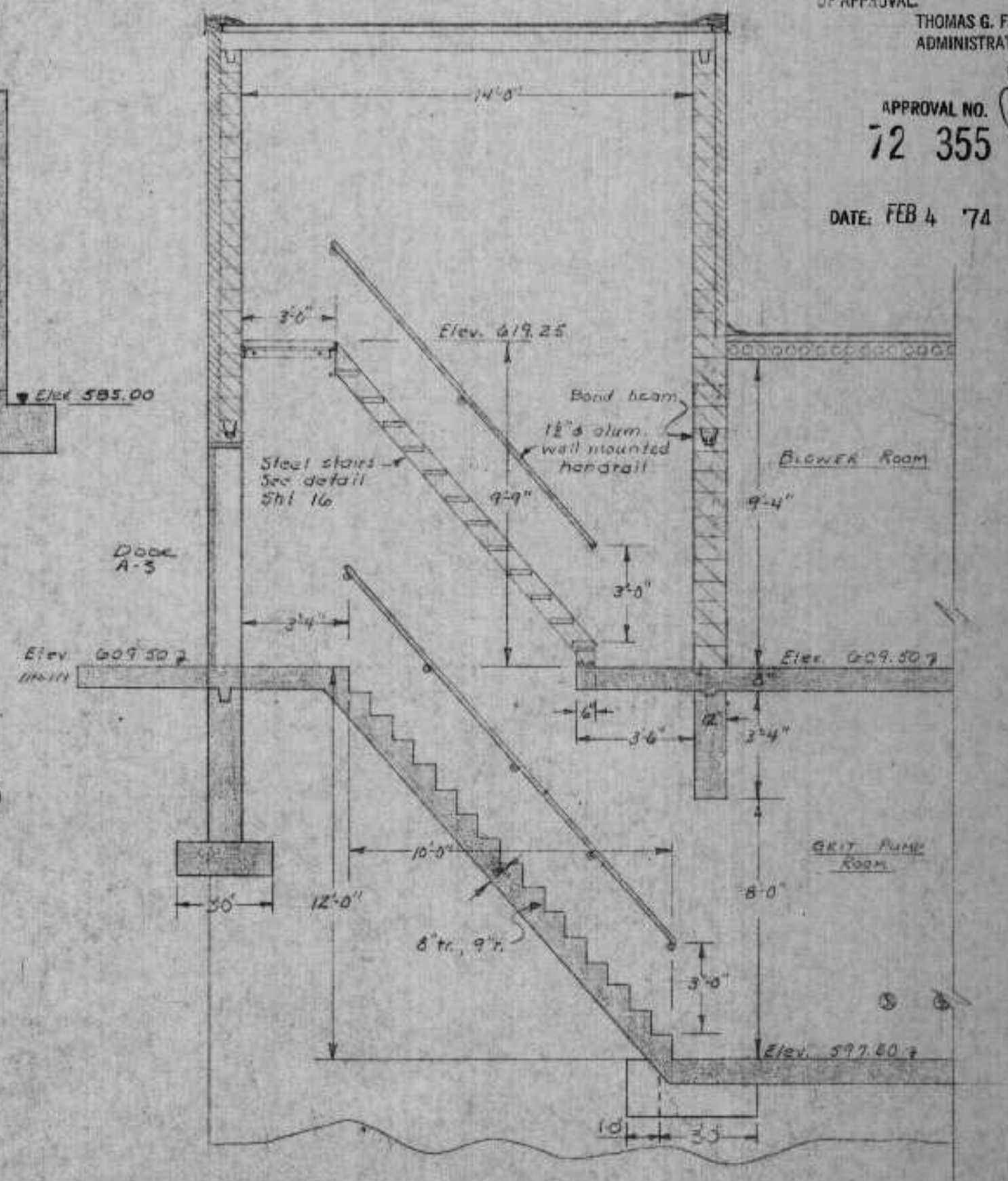


SECTION L-L  
Scale: 1/4" = 1'-0"



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

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



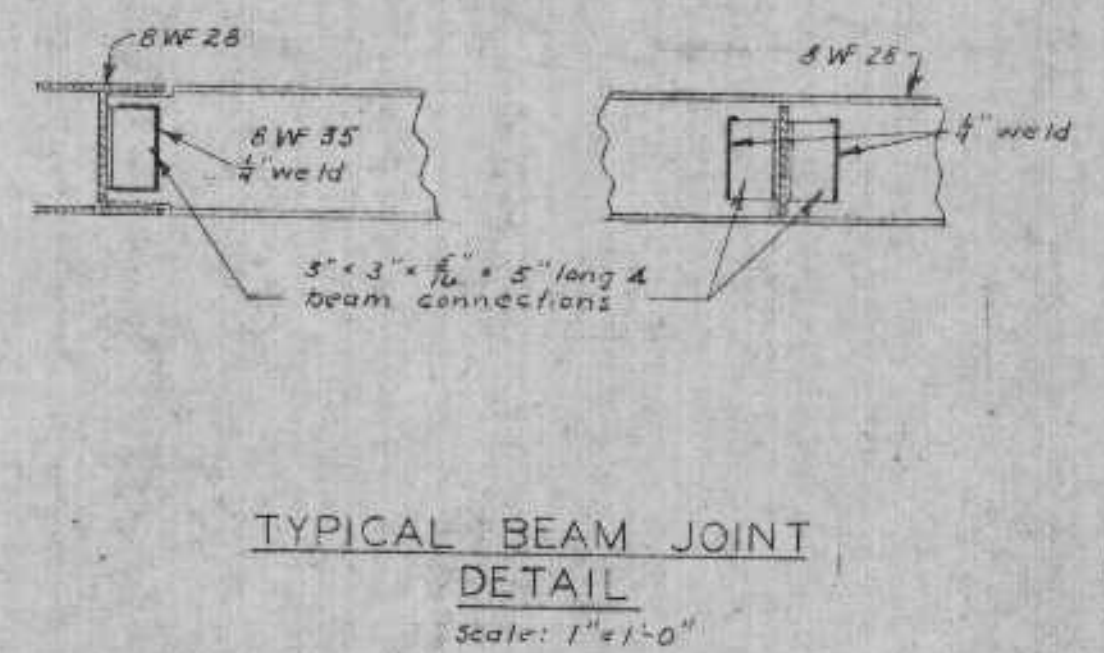
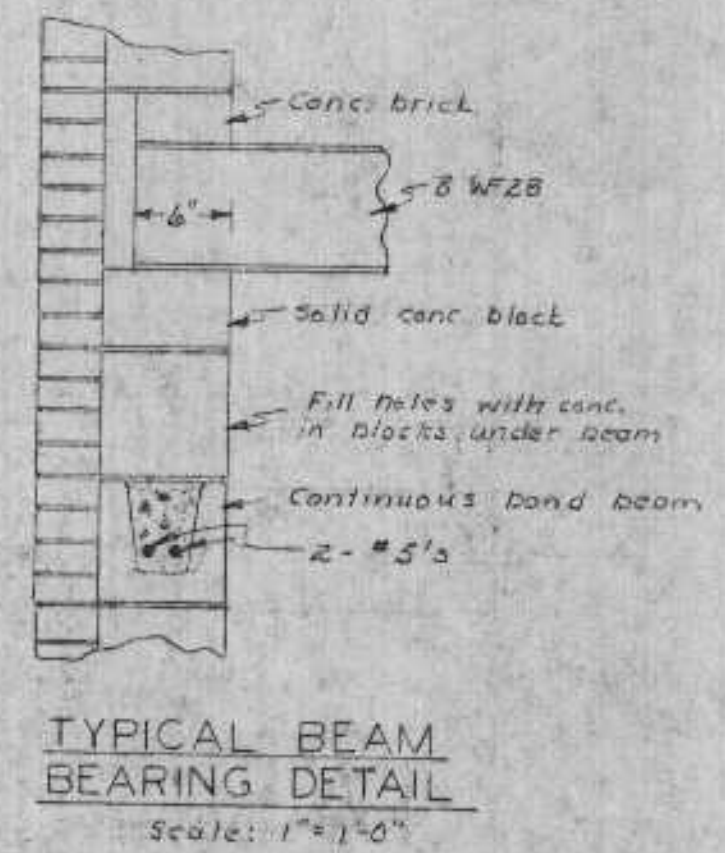
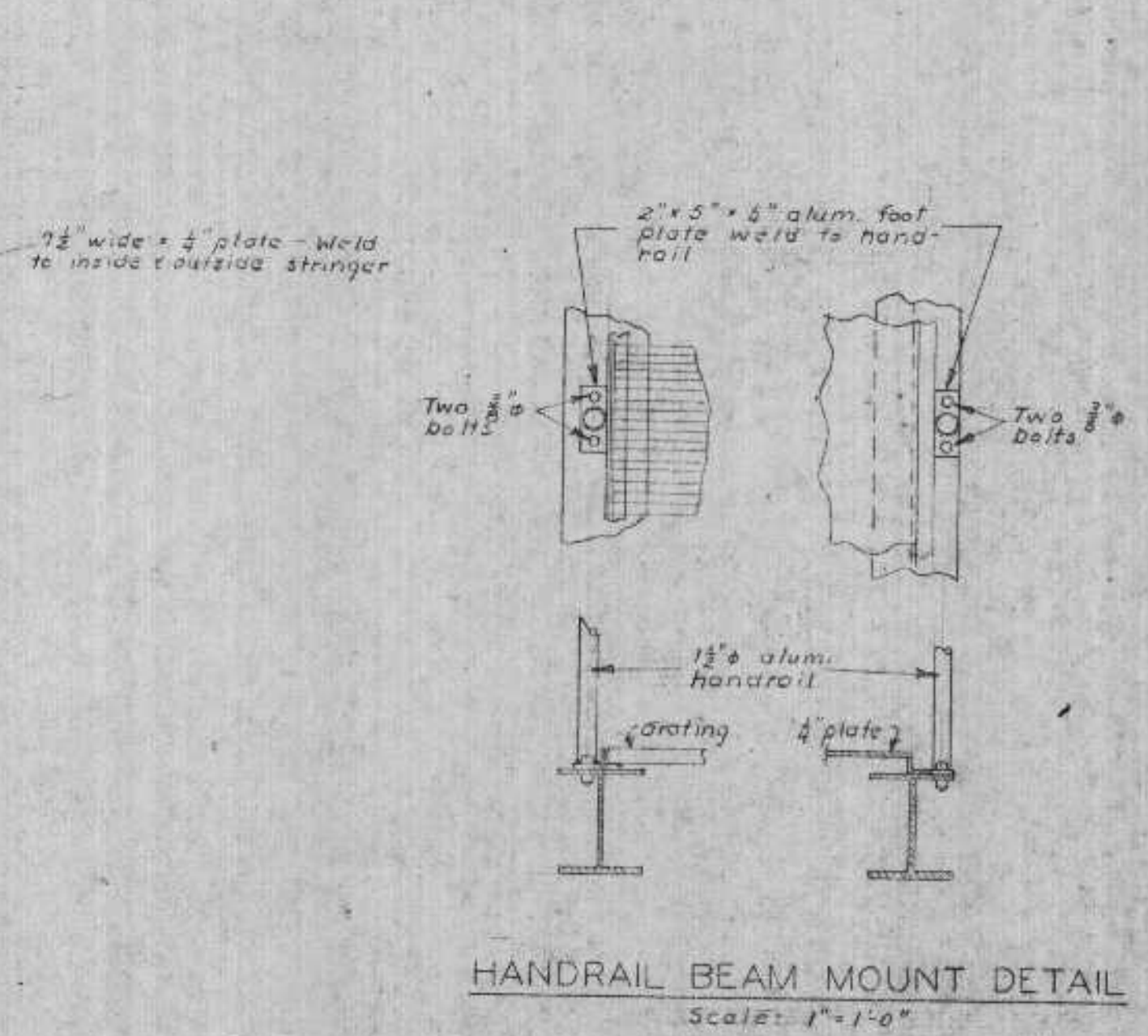
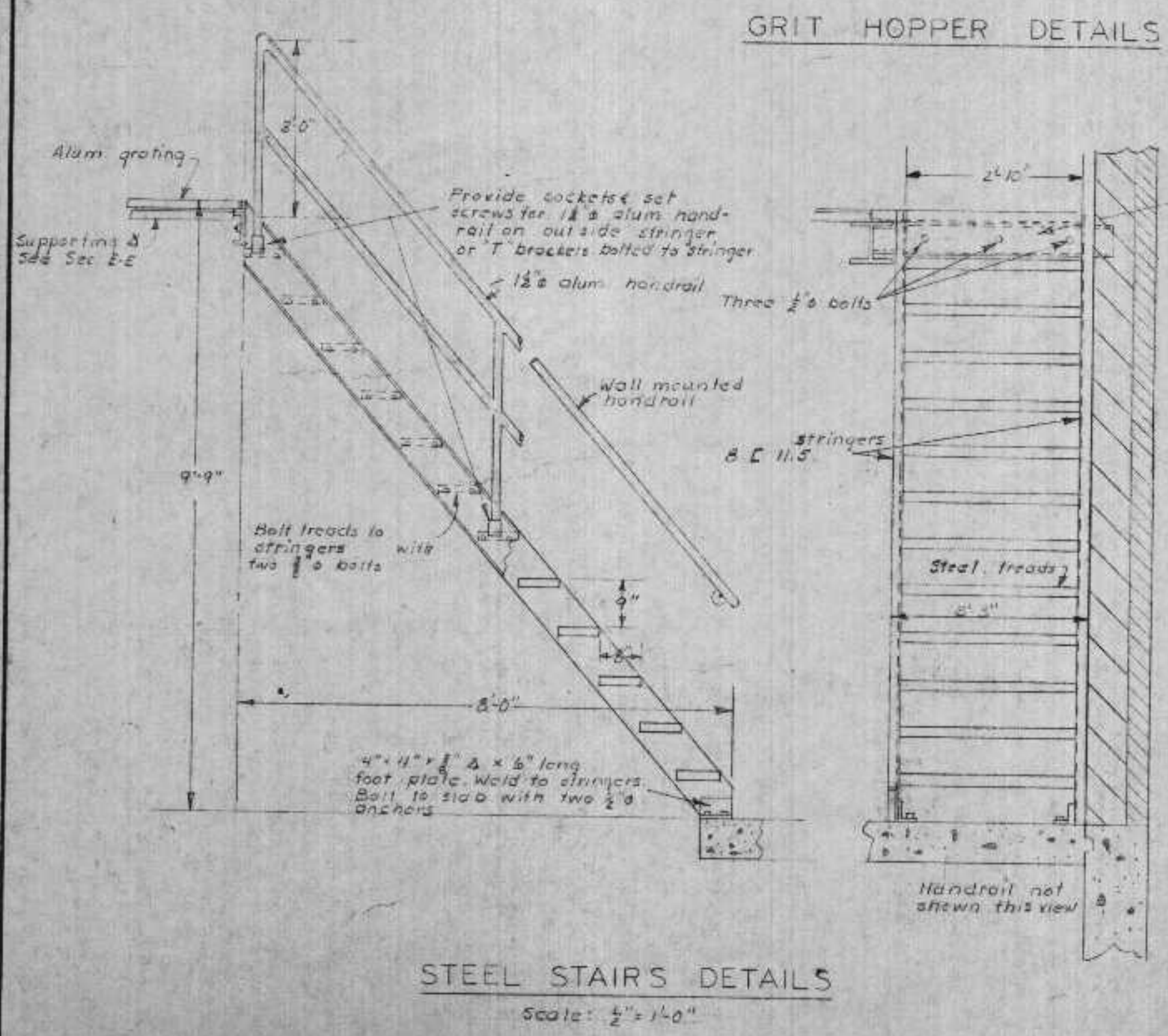
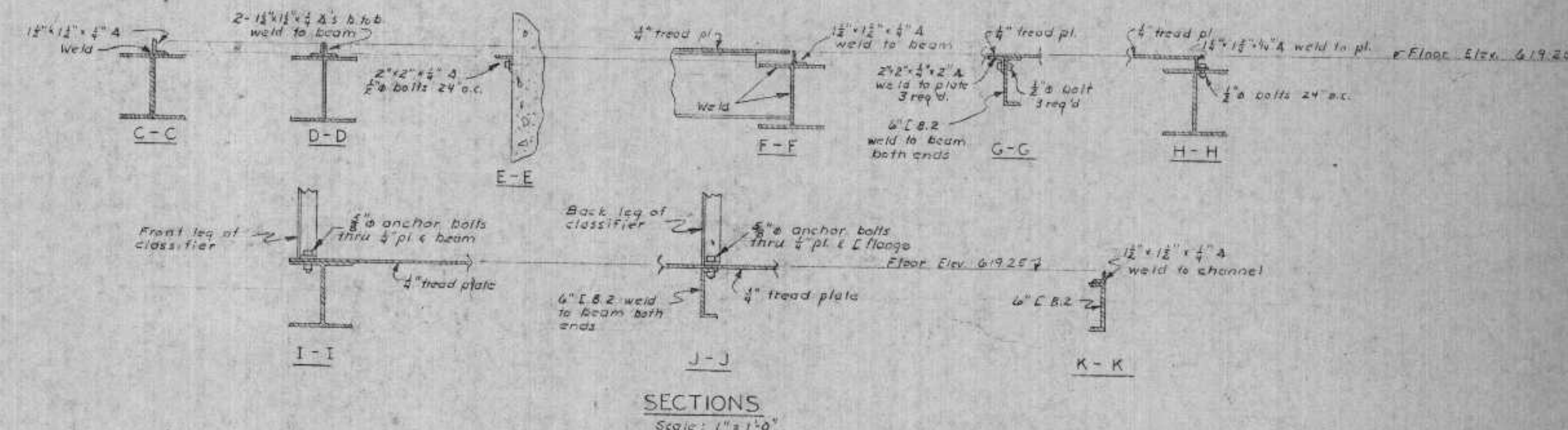
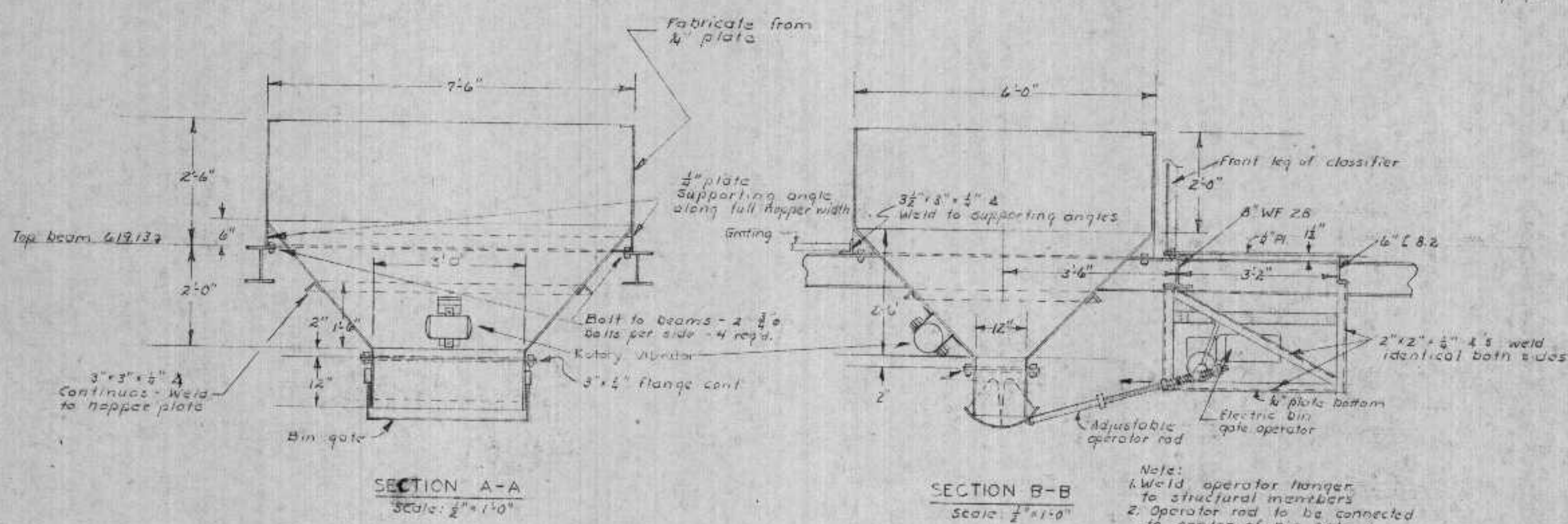
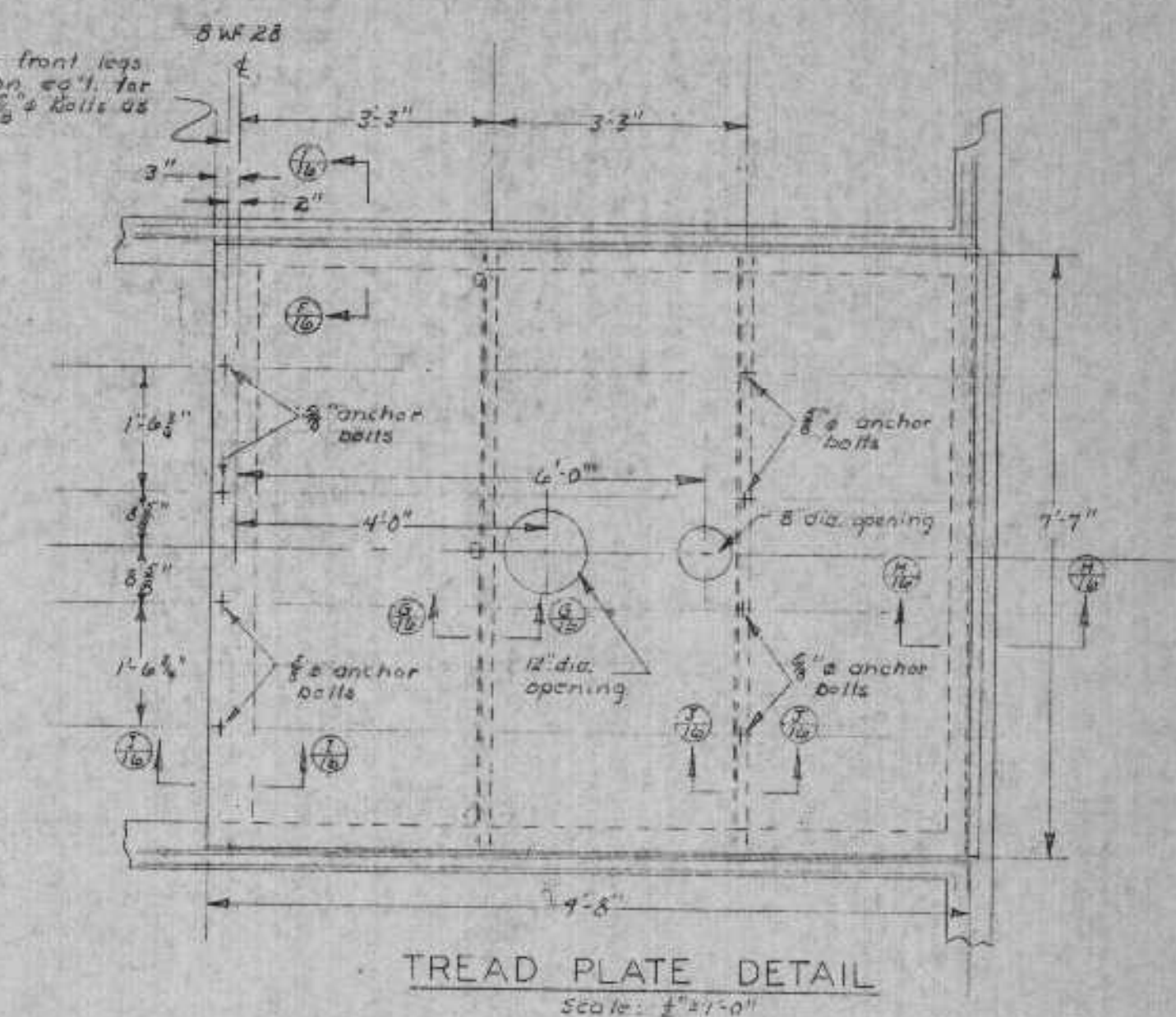
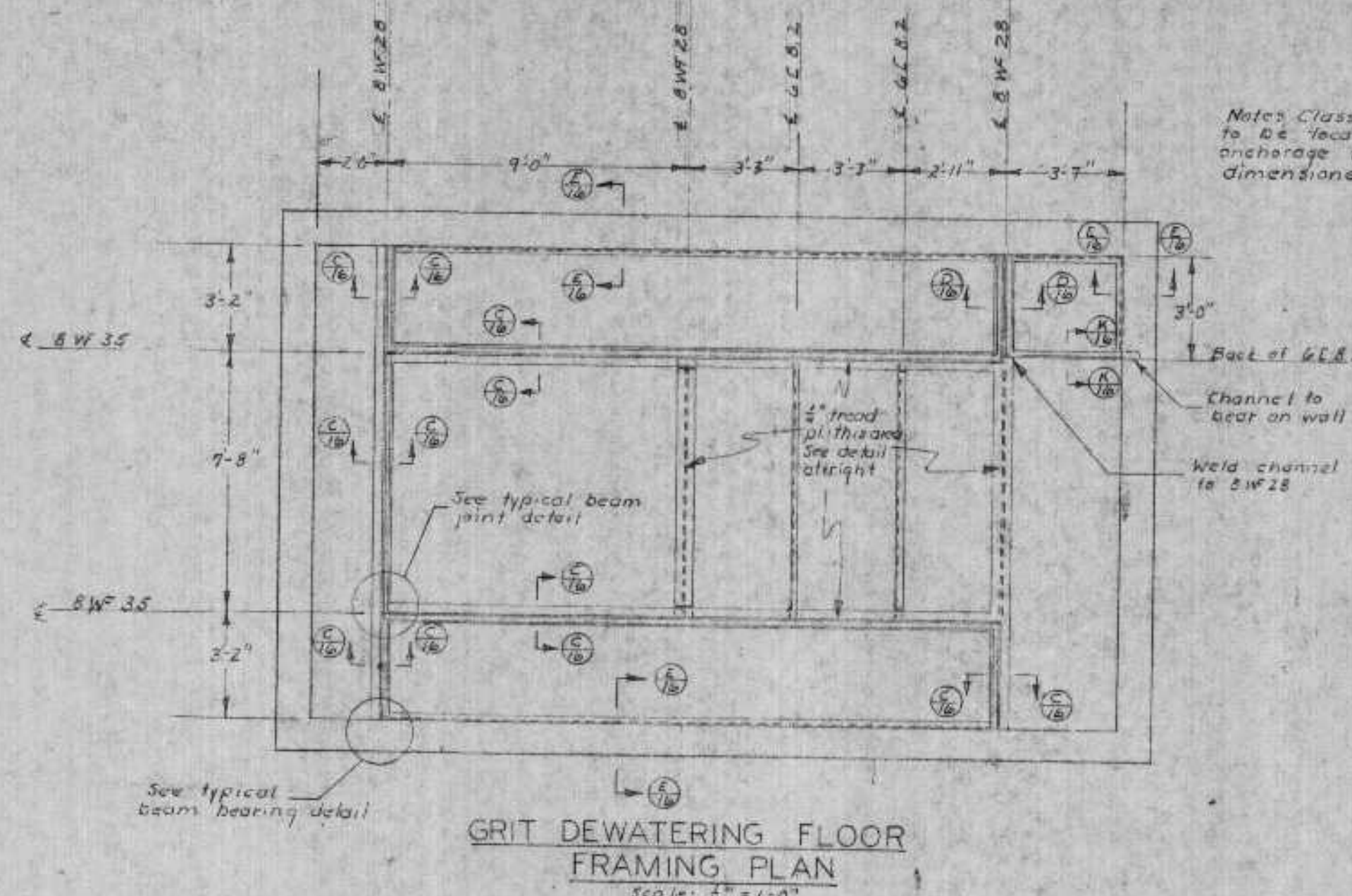
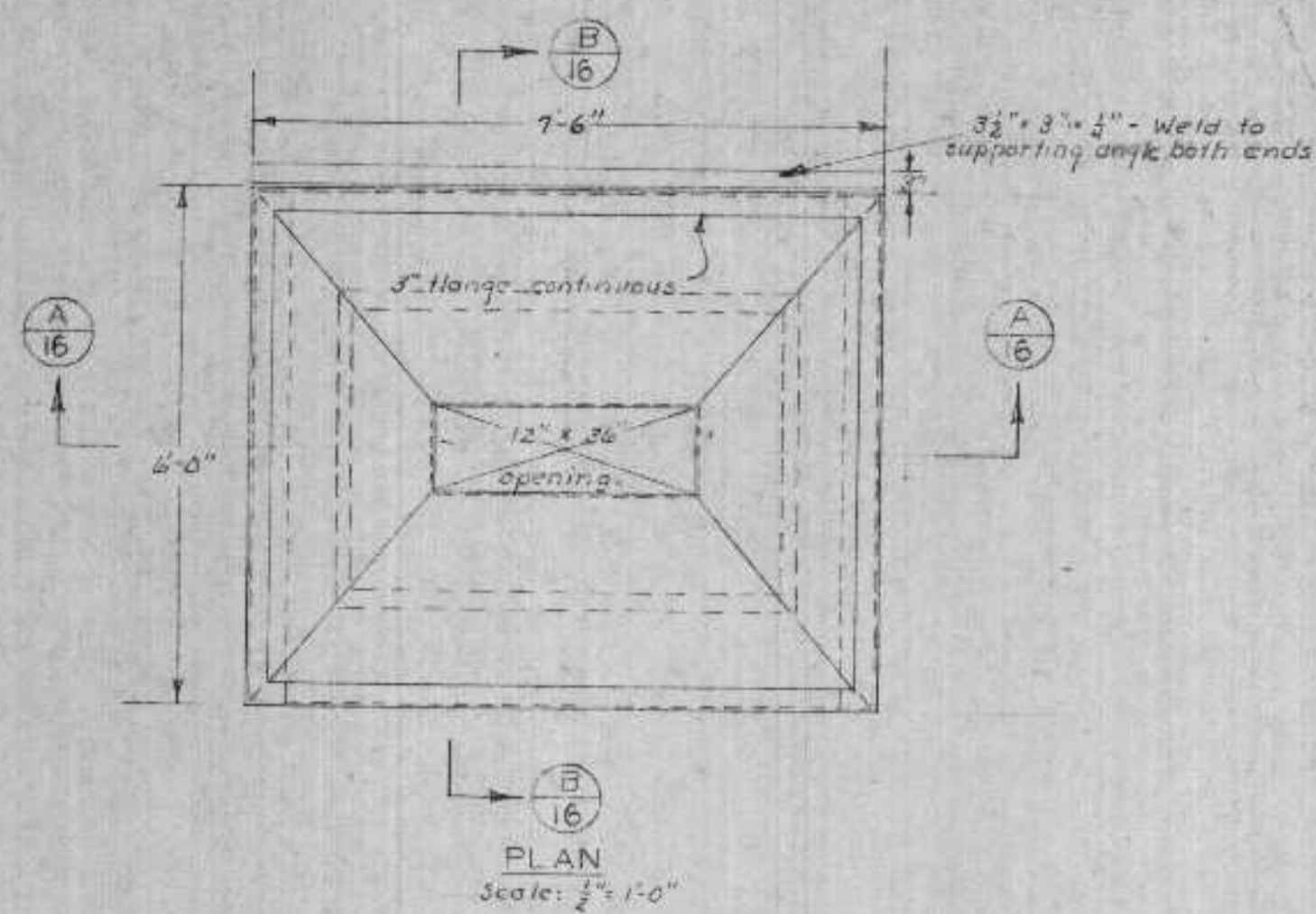
SECTION K-K  
Scale: 1/4" = 1'-0"

REVIEWED AND APPROVED BY THE  
DIV. OF ENVIRONMENTAL PROTECTION,  
DEPT. NATURAL RESOURCES,  
IN ACCORDANCE WITH SEC. 144.09,  
WIS. STATS. SUBJECT TO THE LETTER  
OF APPROVAL.  
THOMAS G. FRANGOS  
ADMINISTRATOR

APPROVAL NO.  
**72 355**

DATE: FEB 4 74



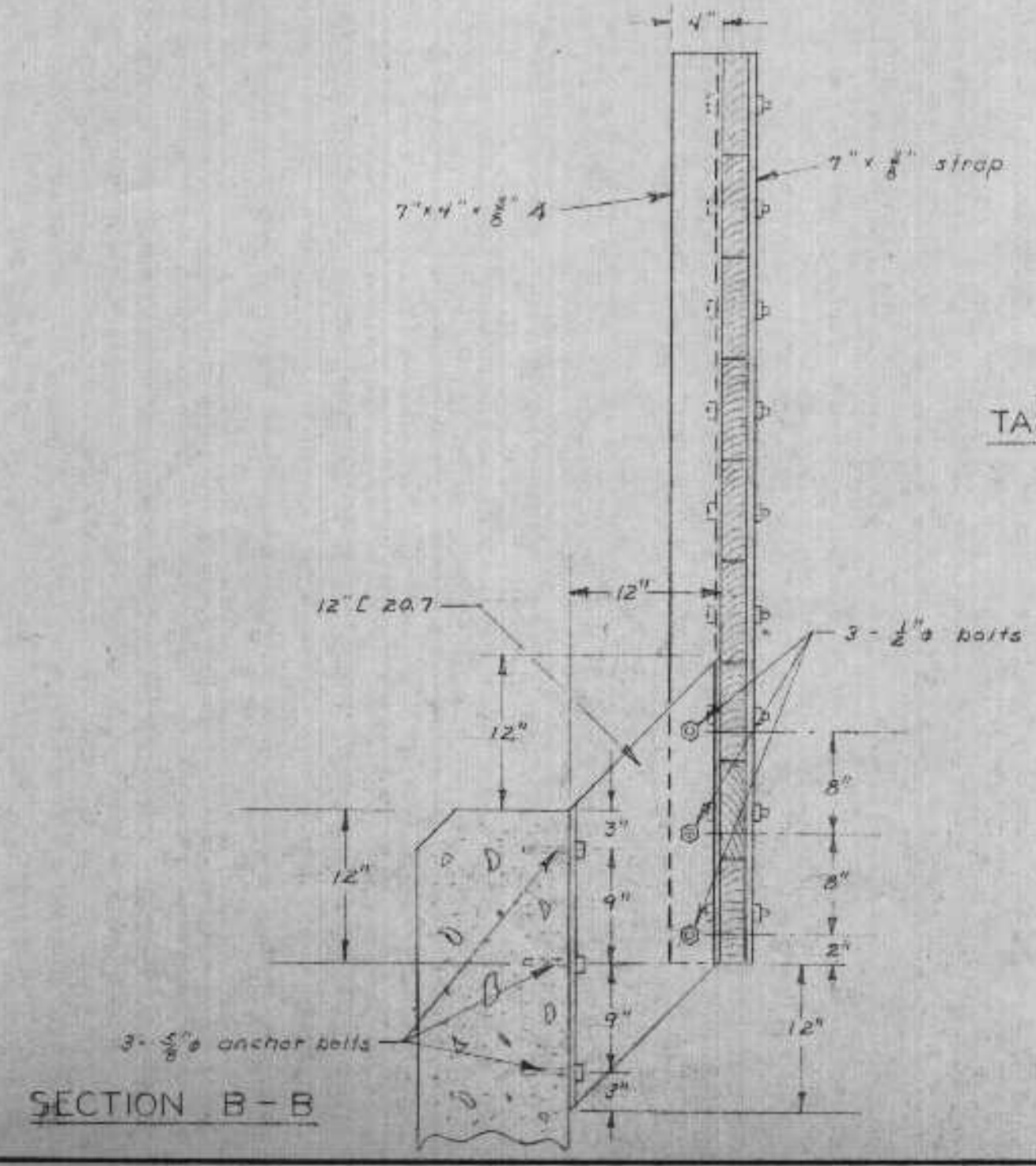
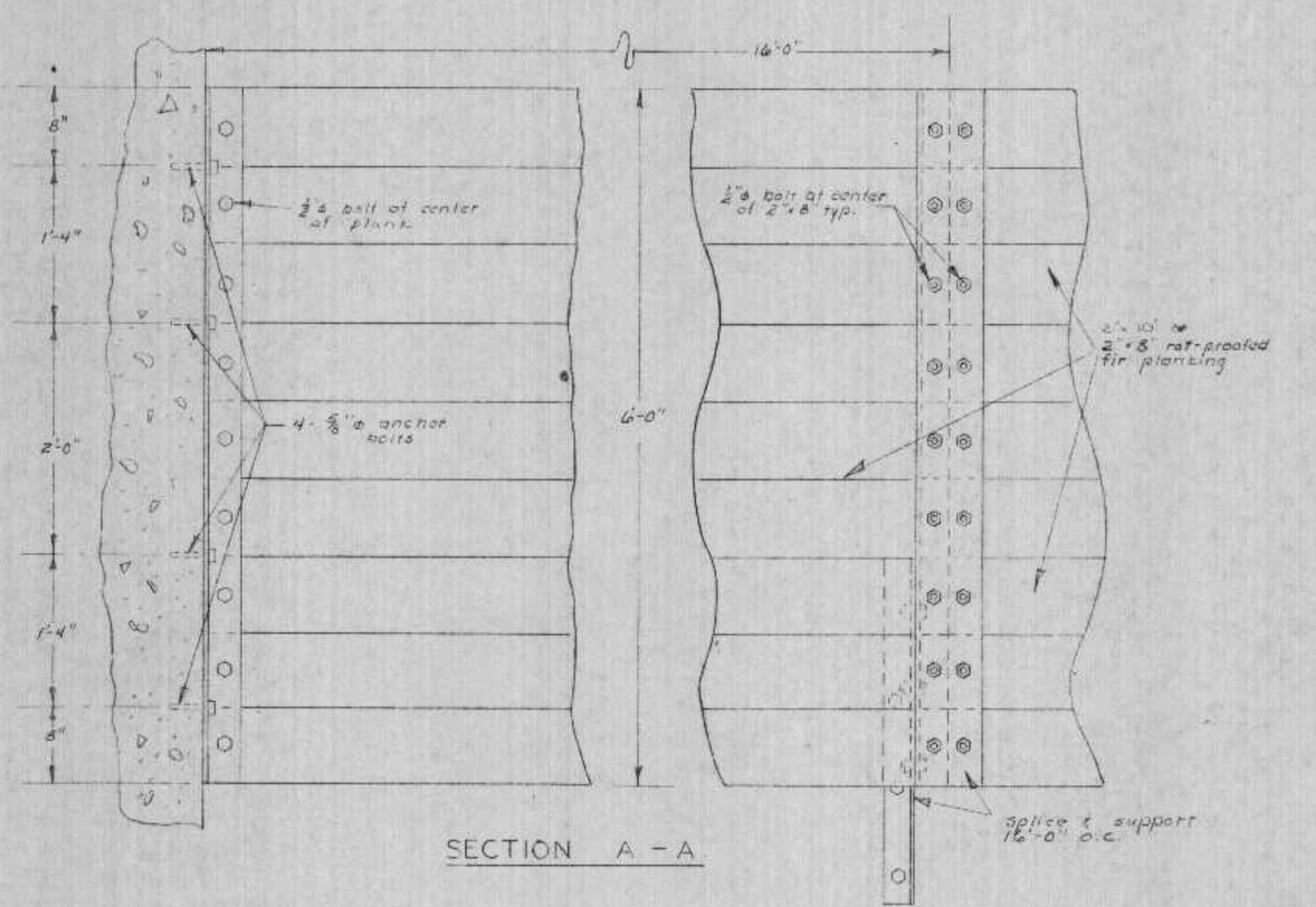
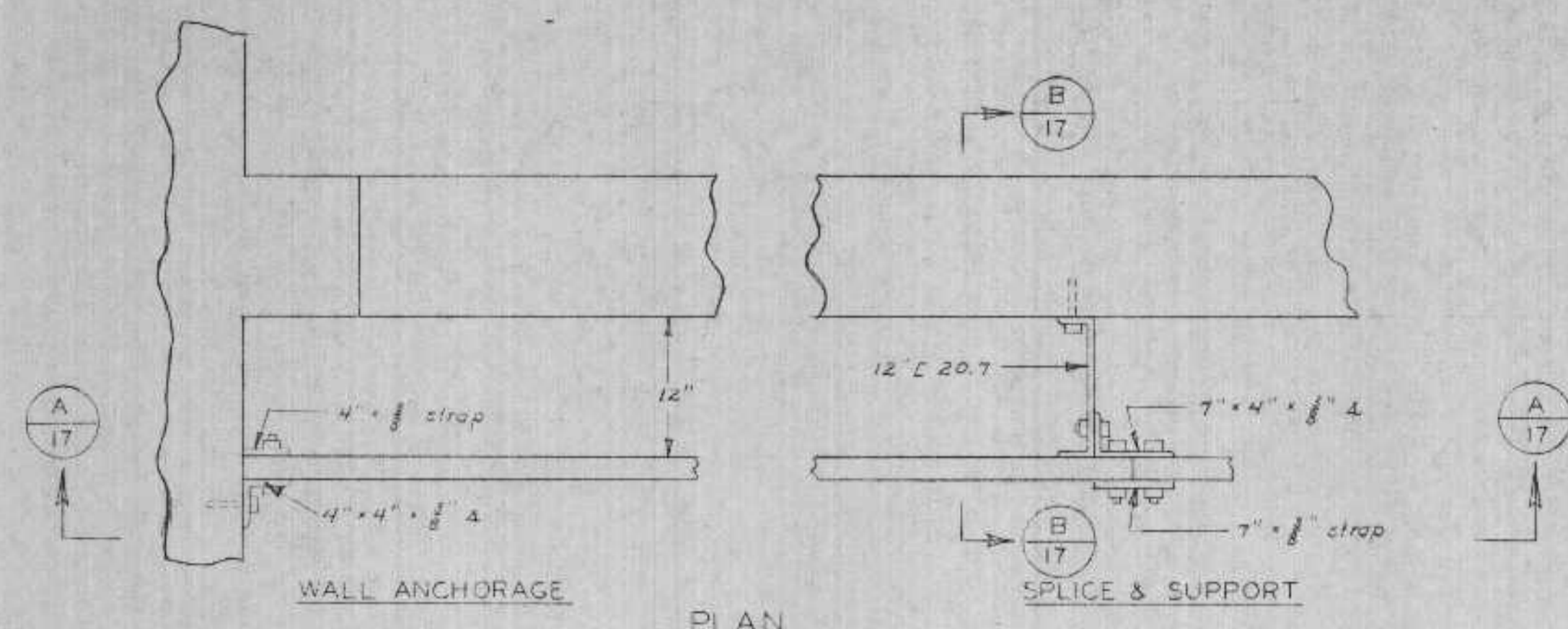


REVIEWED AND APPROVED BY THE  
DIV. OF ENVIRONMENTAL PROTECTION,  
DEPT. OF NATURAL RESOURCES,  
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WIS. STATS. SUBJECT TO THE CONDITIONS  
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THOMAS G. FRANGOS  
ADMINISTRATOR

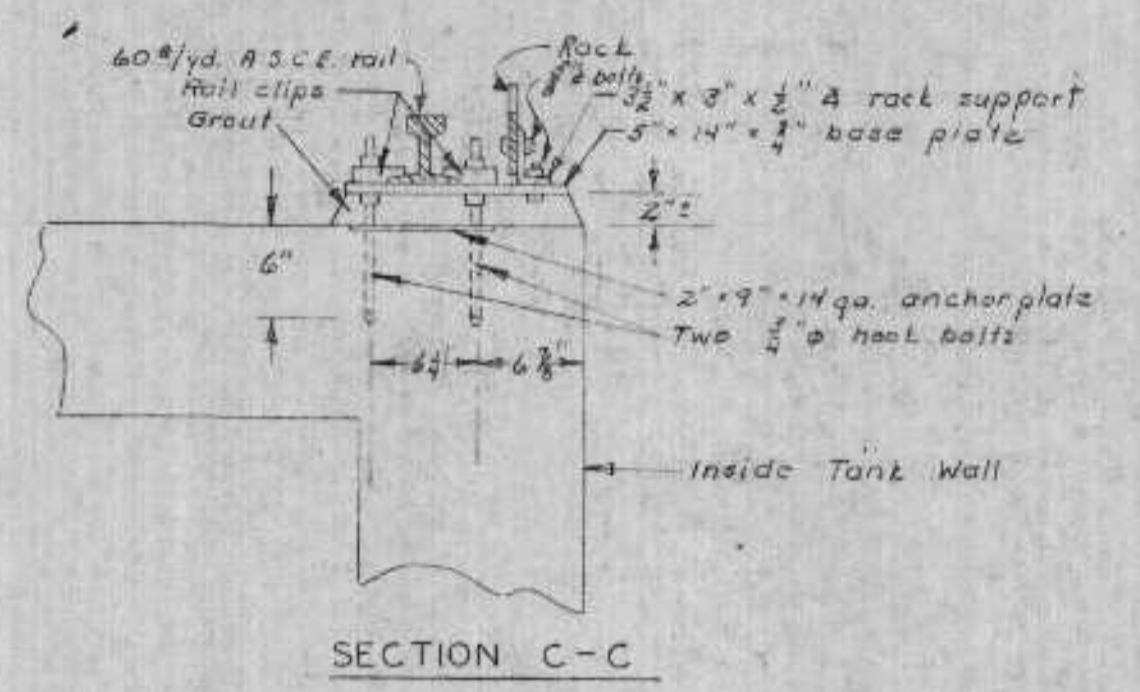
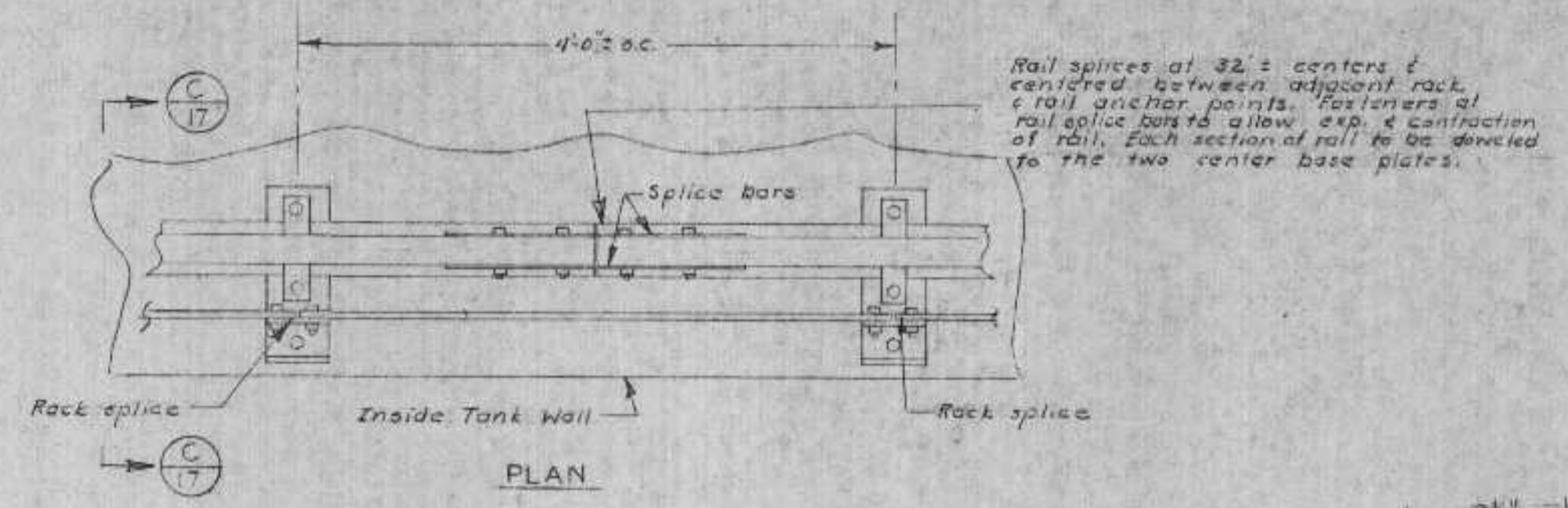
APPROVAL NO.  
72 355  
DATE: FEB 4 '74

DNR JAN 3 1974

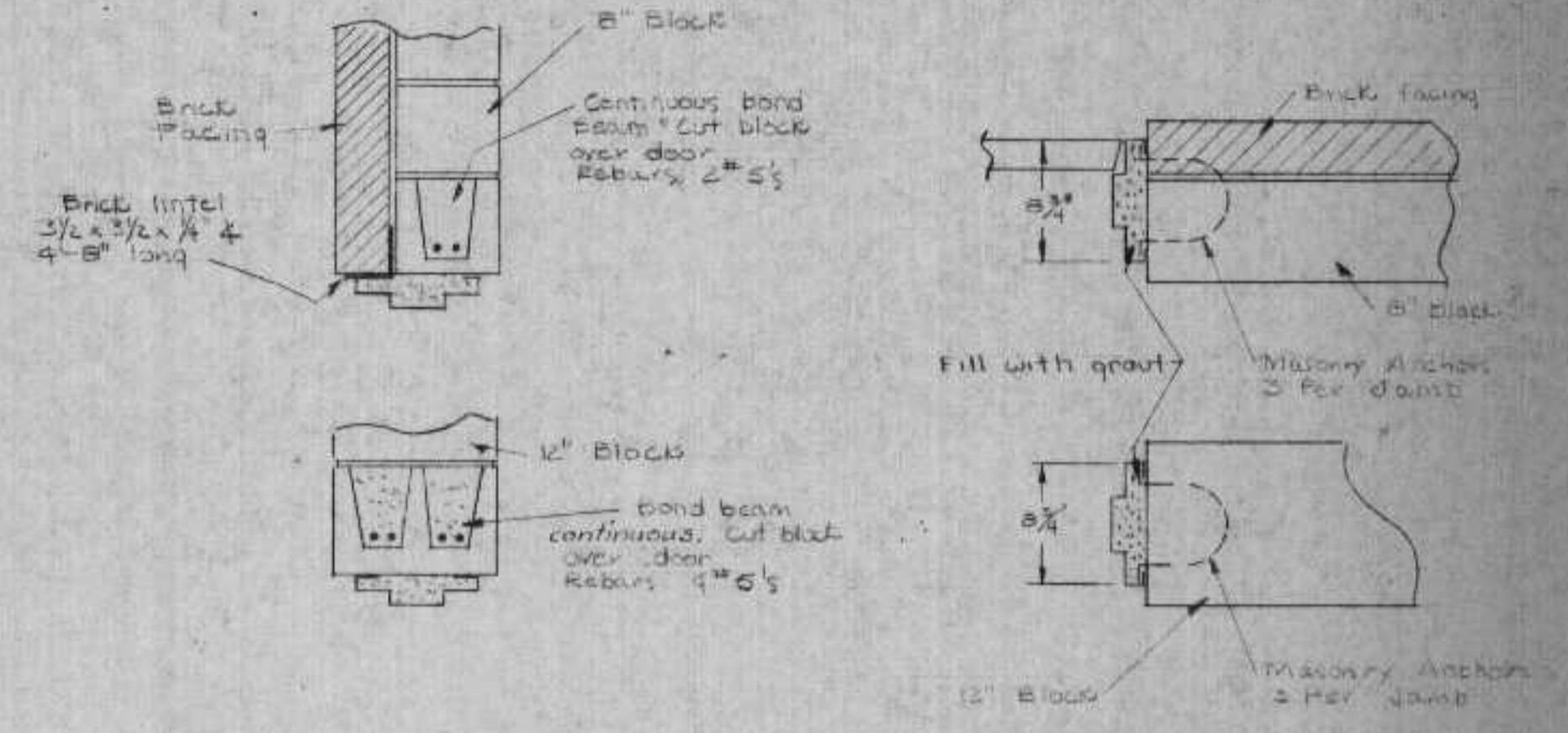
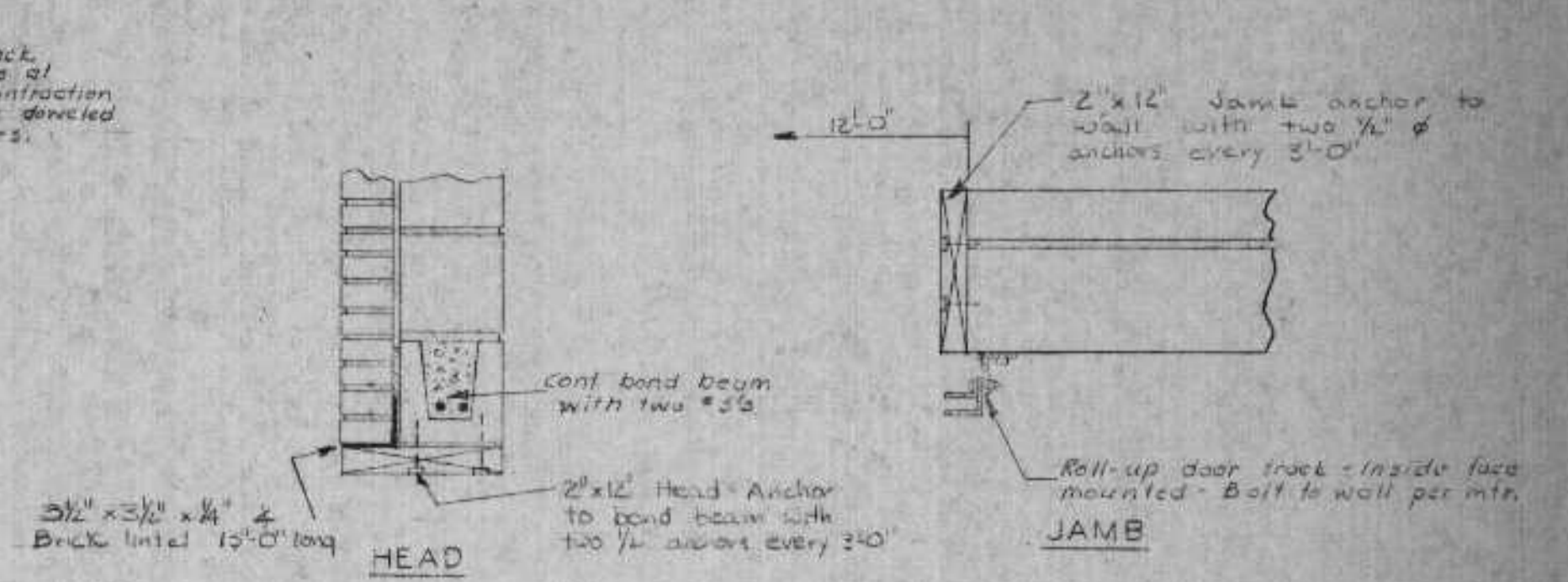
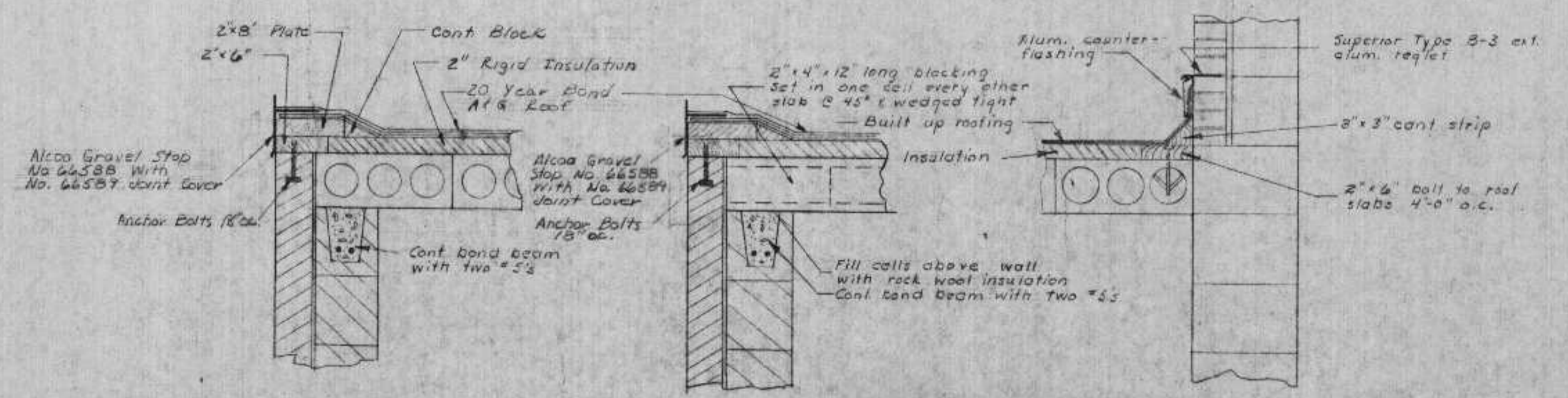
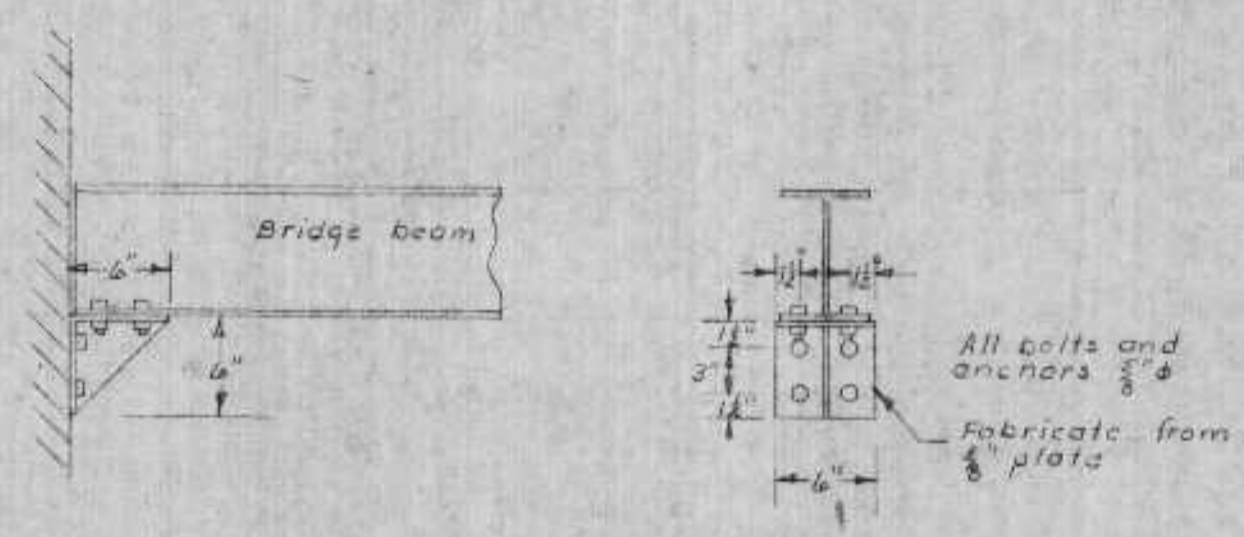




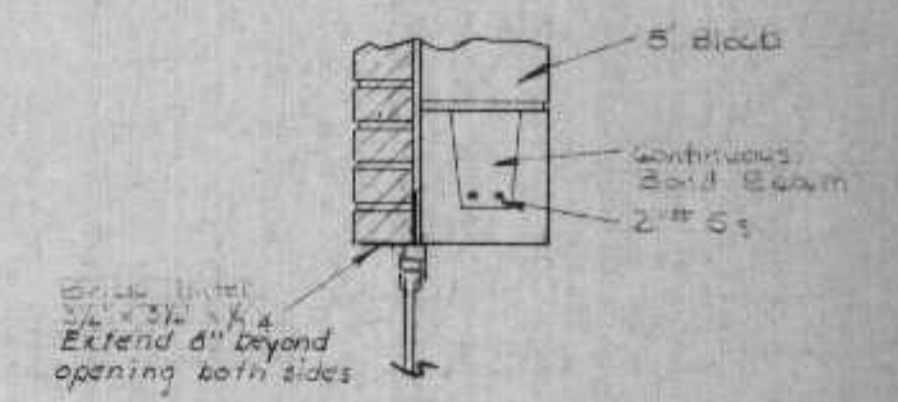
**BYPASS RETENTION TANK WOOD BAFFLE DETAIL**  
 Scale: 1"=1'-0"



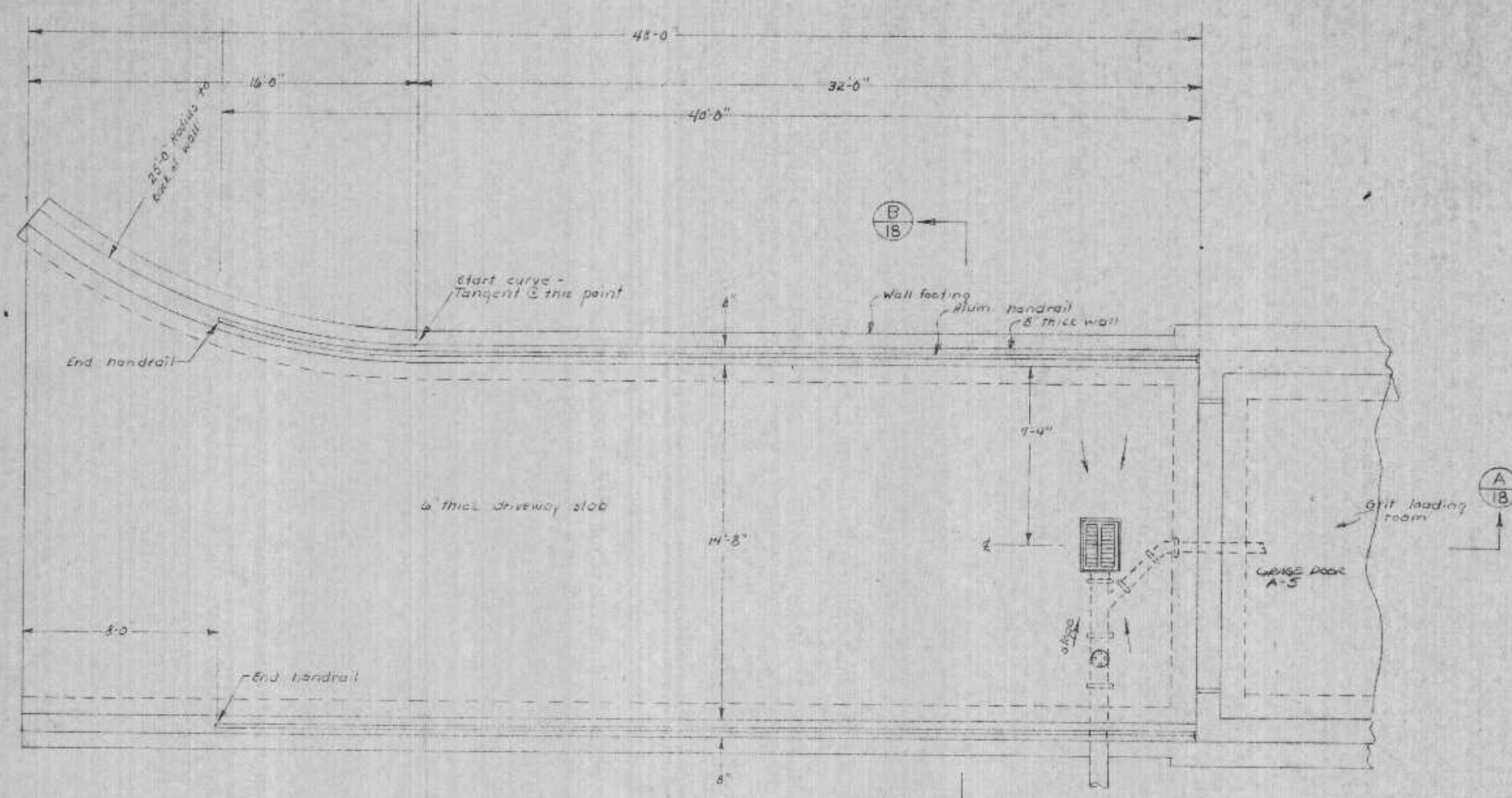
**RACK & RAIL ANCHORAGE DETAILS**  
 Scale: 1"=1'-0"



REVIEWED AND APPROVED BY THE  
 DIV. OF ENVIRONMENTAL PROTECTION,  
 DEPT. NATURAL RESOURCES,  
 IN ACCORDANCE WITH SEC. 144.04,  
 WIS. STATS., SUBJECT TO THE CON-  
 DITIONS SET FORTH IN THE LETTER  
 OF APPROVAL.  
 THOMAS G. FRANGOS  
 ADMINISTRATOR  
 APPROVAL NO. 72 355  
 DATE: FEB 4 '74

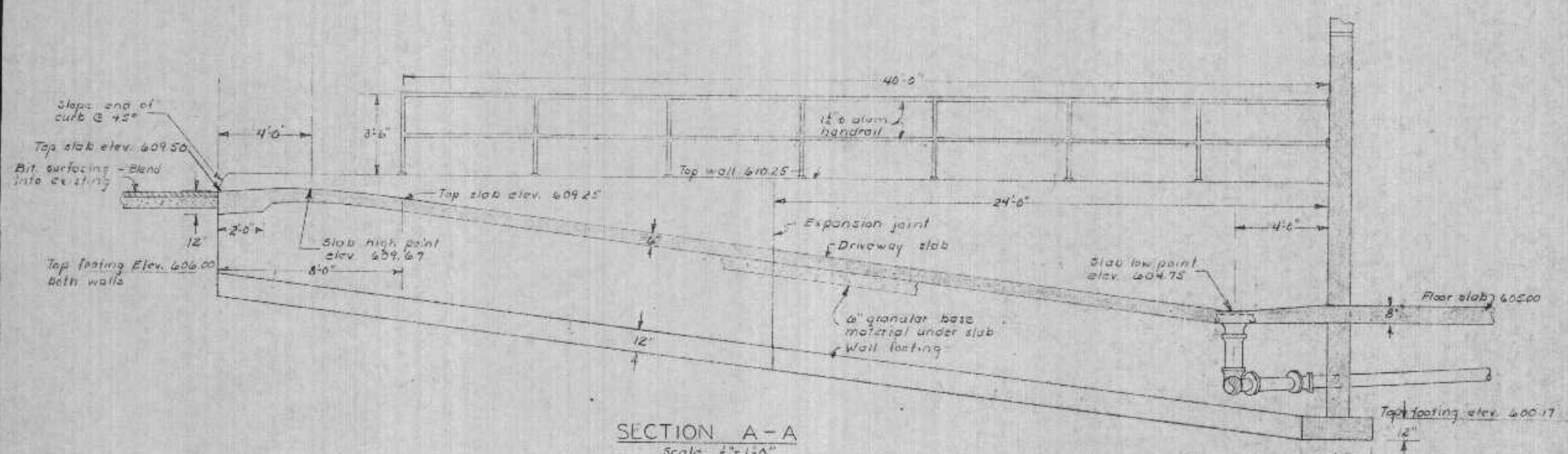




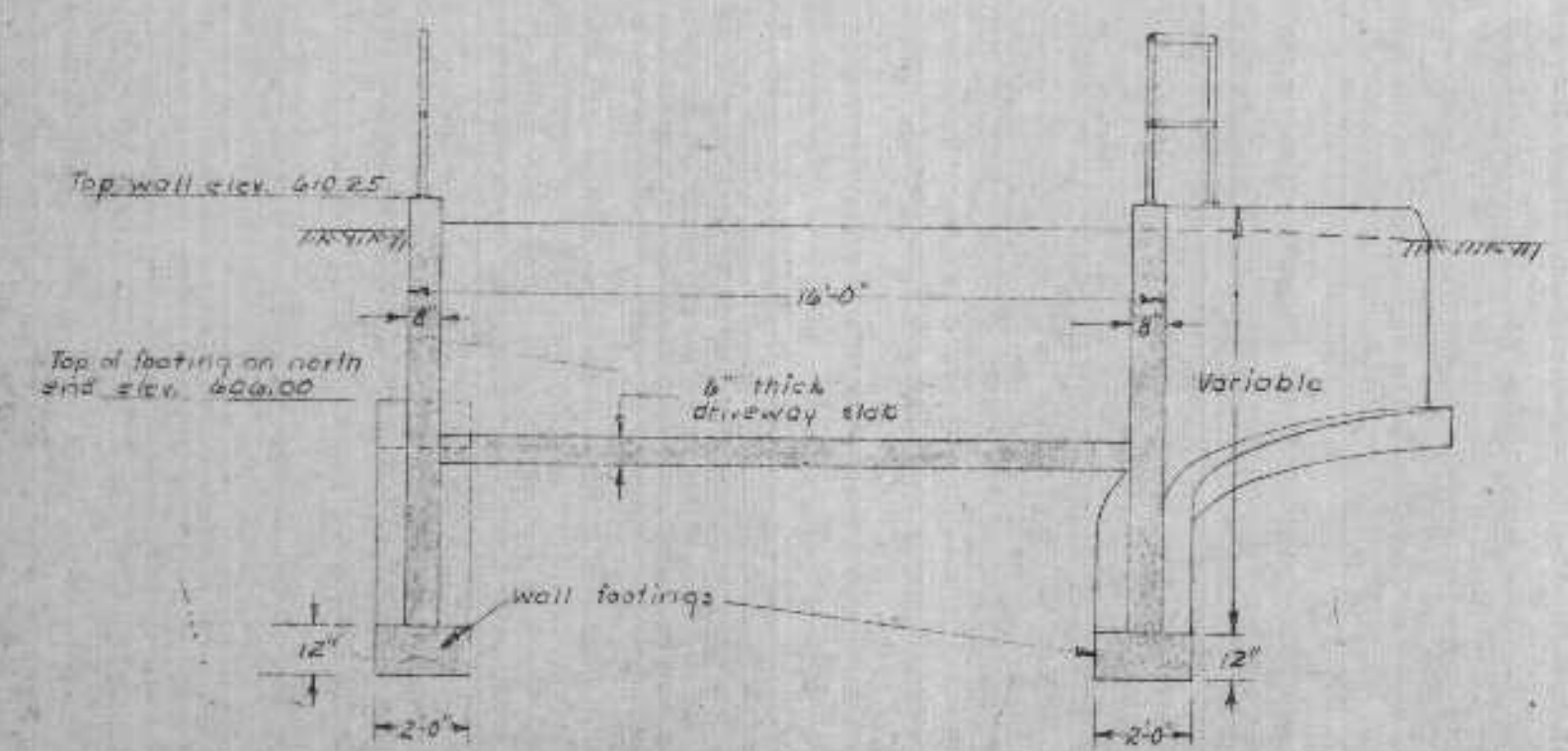


GRIT BUILDING DRIVEWAY & RETAINING WALLS PLAN  
Scale: 1/4" = 1'-0"

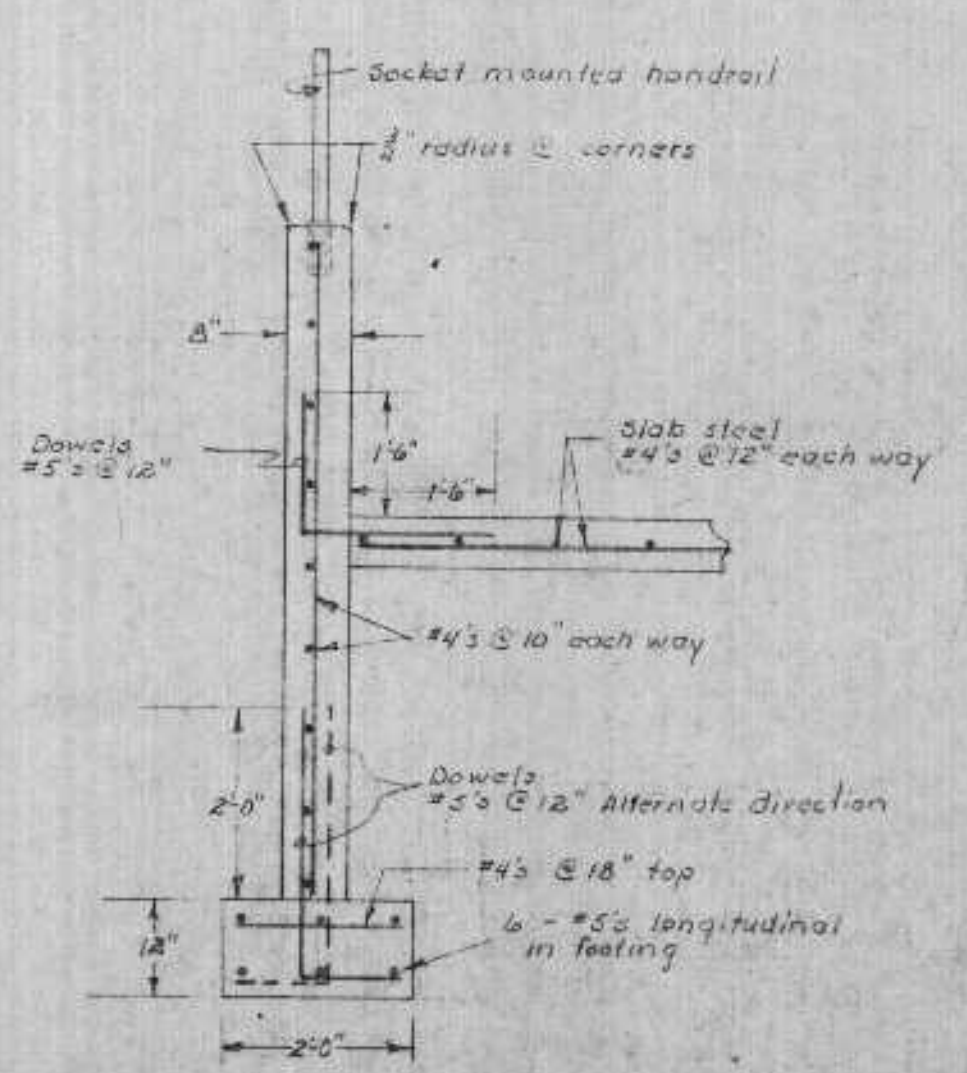
GRID NORTH



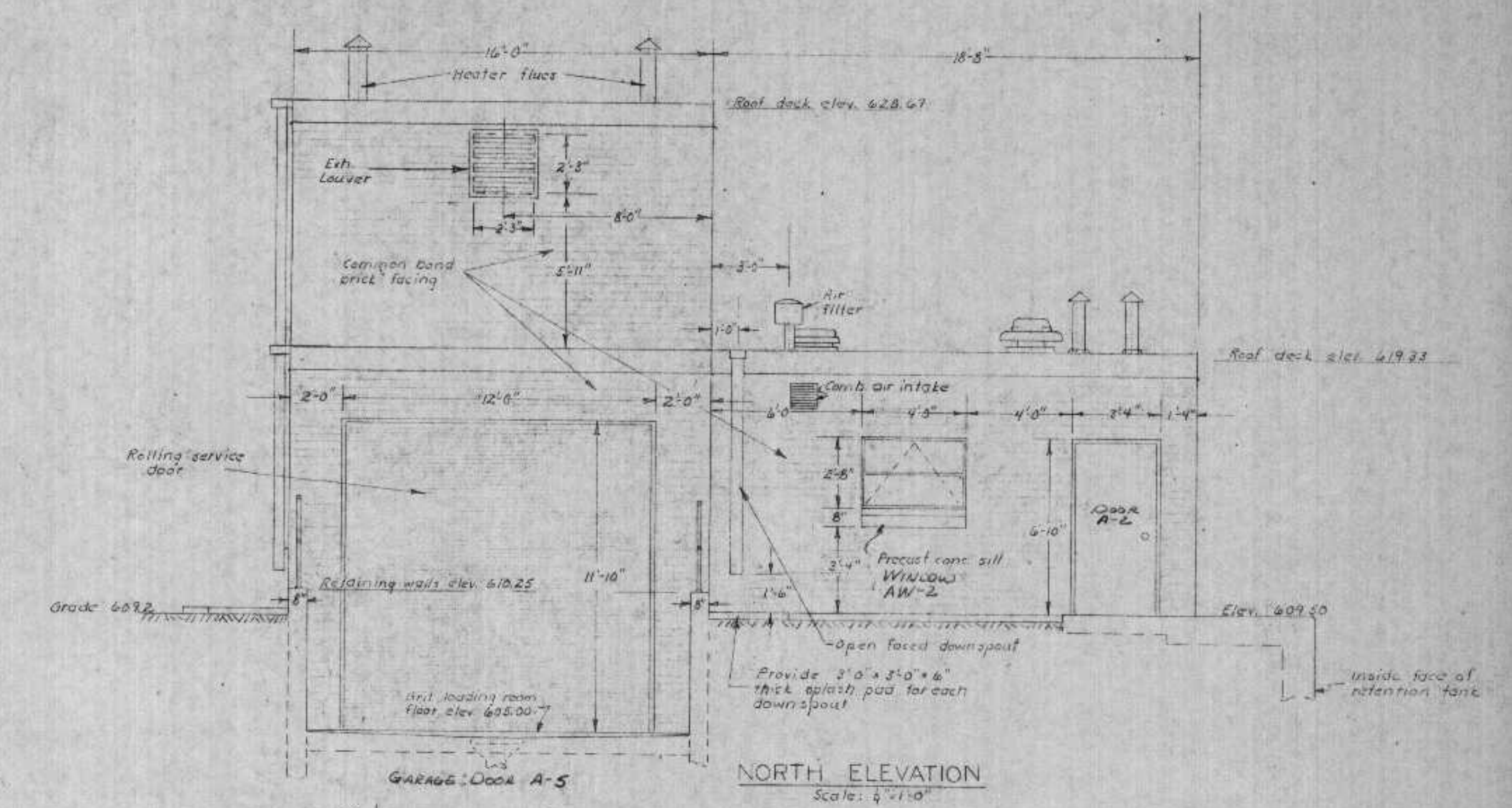
SECTION A-A  
Scale: 1/4" = 1'-0"



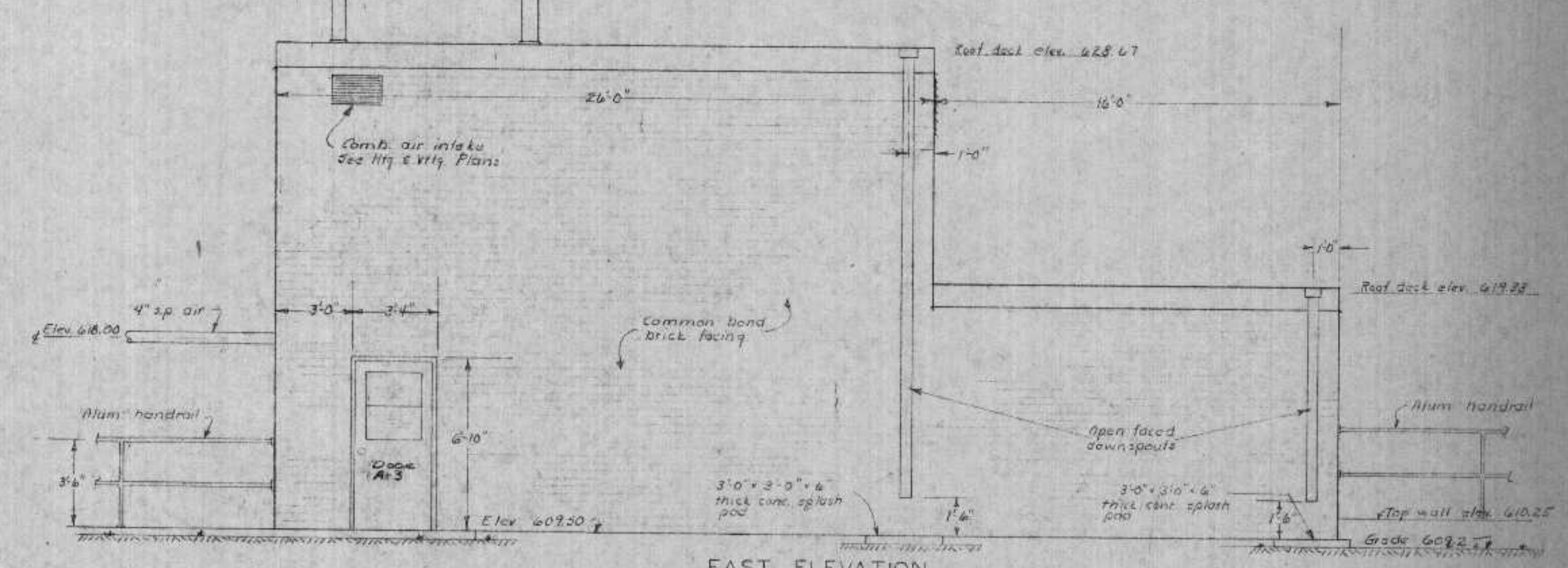
SECTION B-B  
Scale: 1/4" = 1'-0"



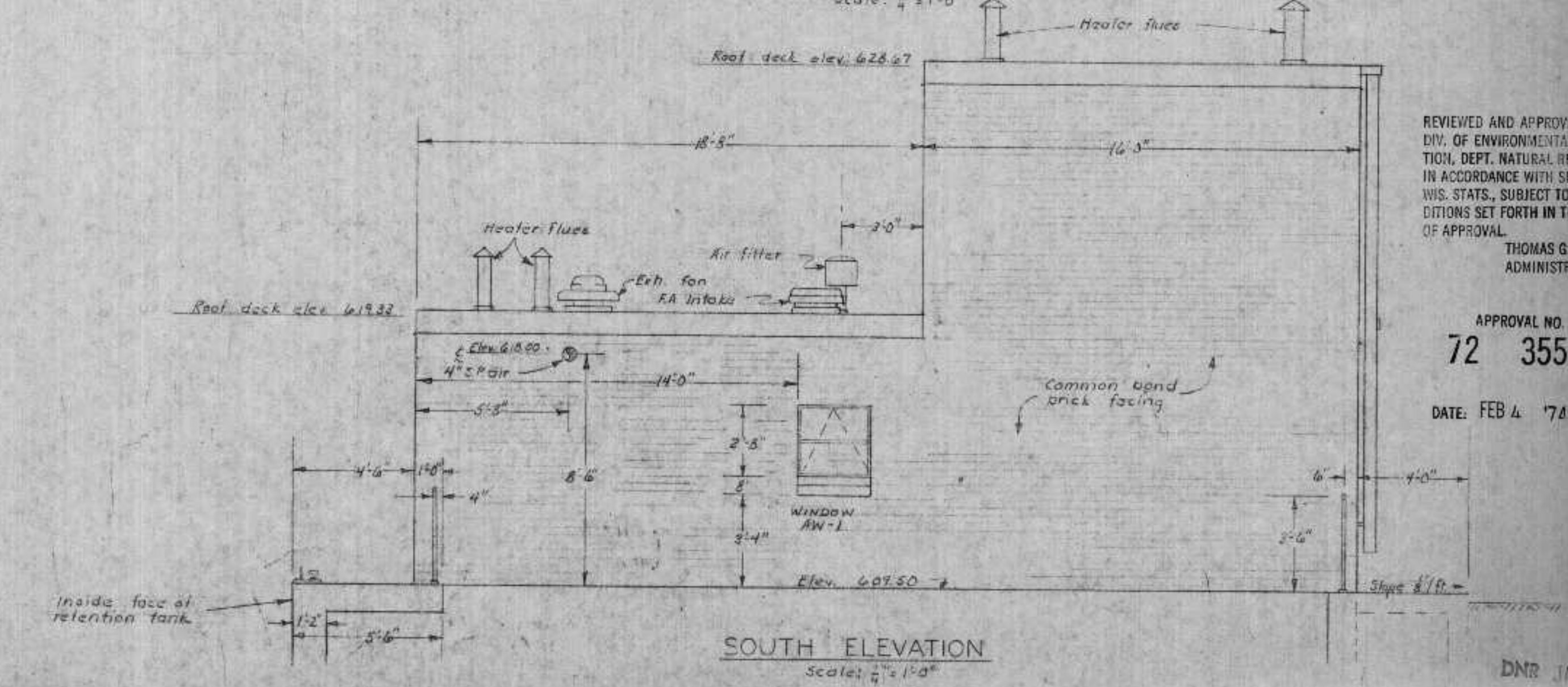
REINFORCING DETAIL  
Scale: 1/2" = 1'-0"



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



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



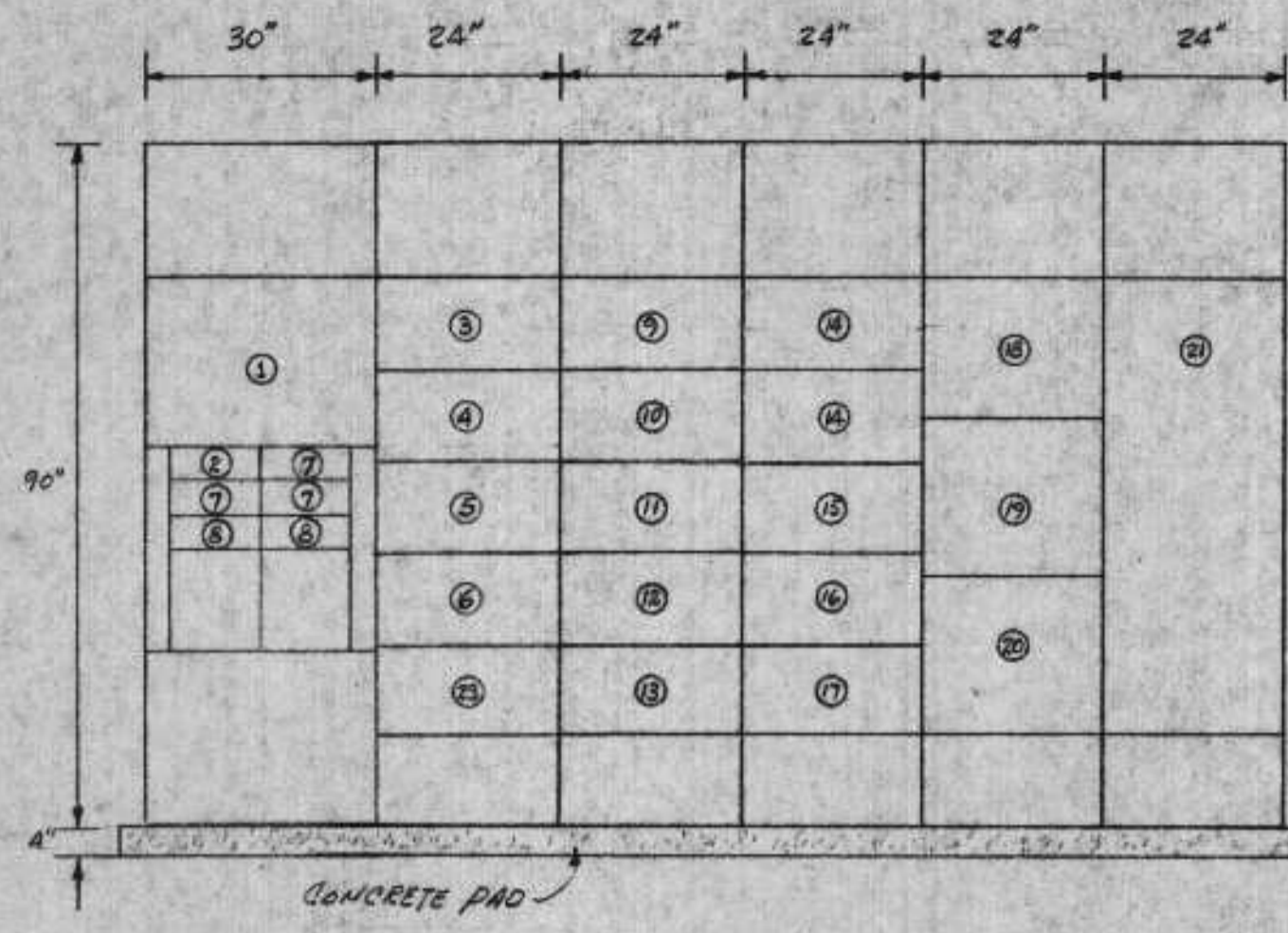
SOUTH ELEVATION  
Scale: 1/4" = 1'-0"

REVIEWED AND APPROVED BY THE  
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OF APPROVAL  
THOMAS G. FRANGOS  
ADMINISTRATOR

APPROVAL NO.  
**72 355**  
DATE: FEB 4 '74

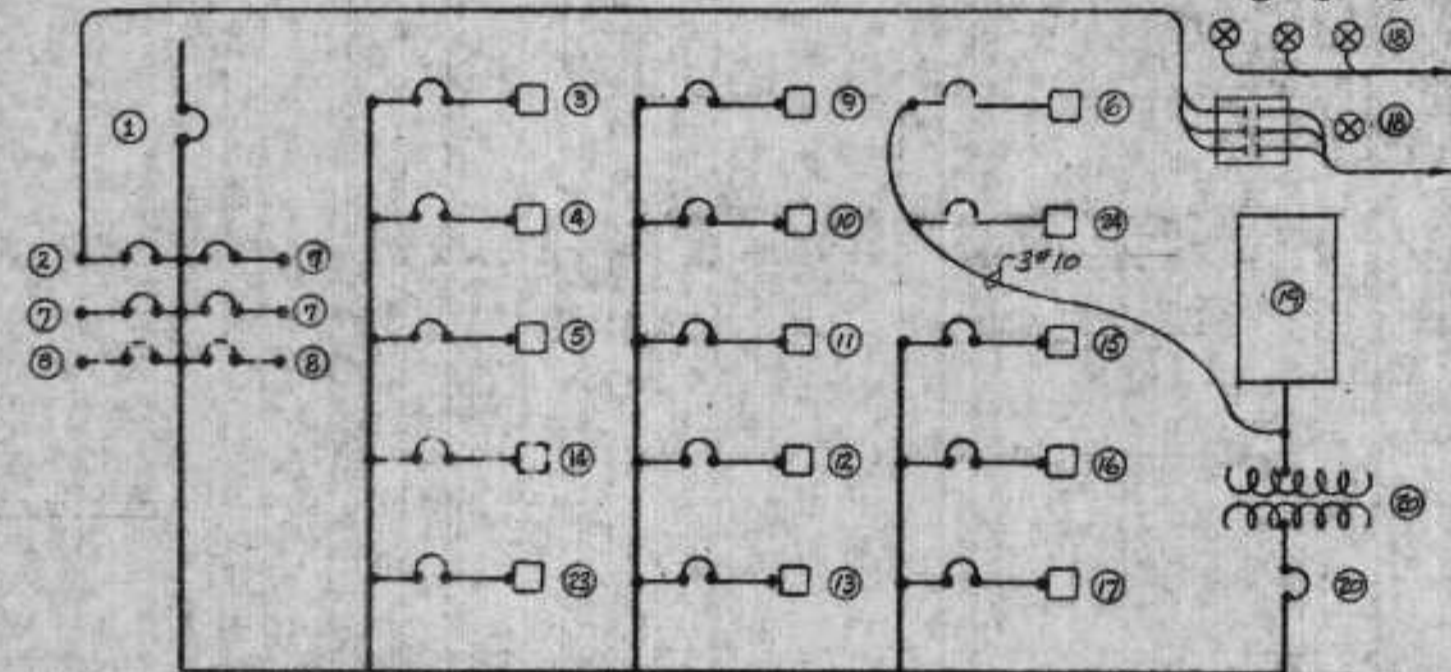
DNR JAN 3 1974



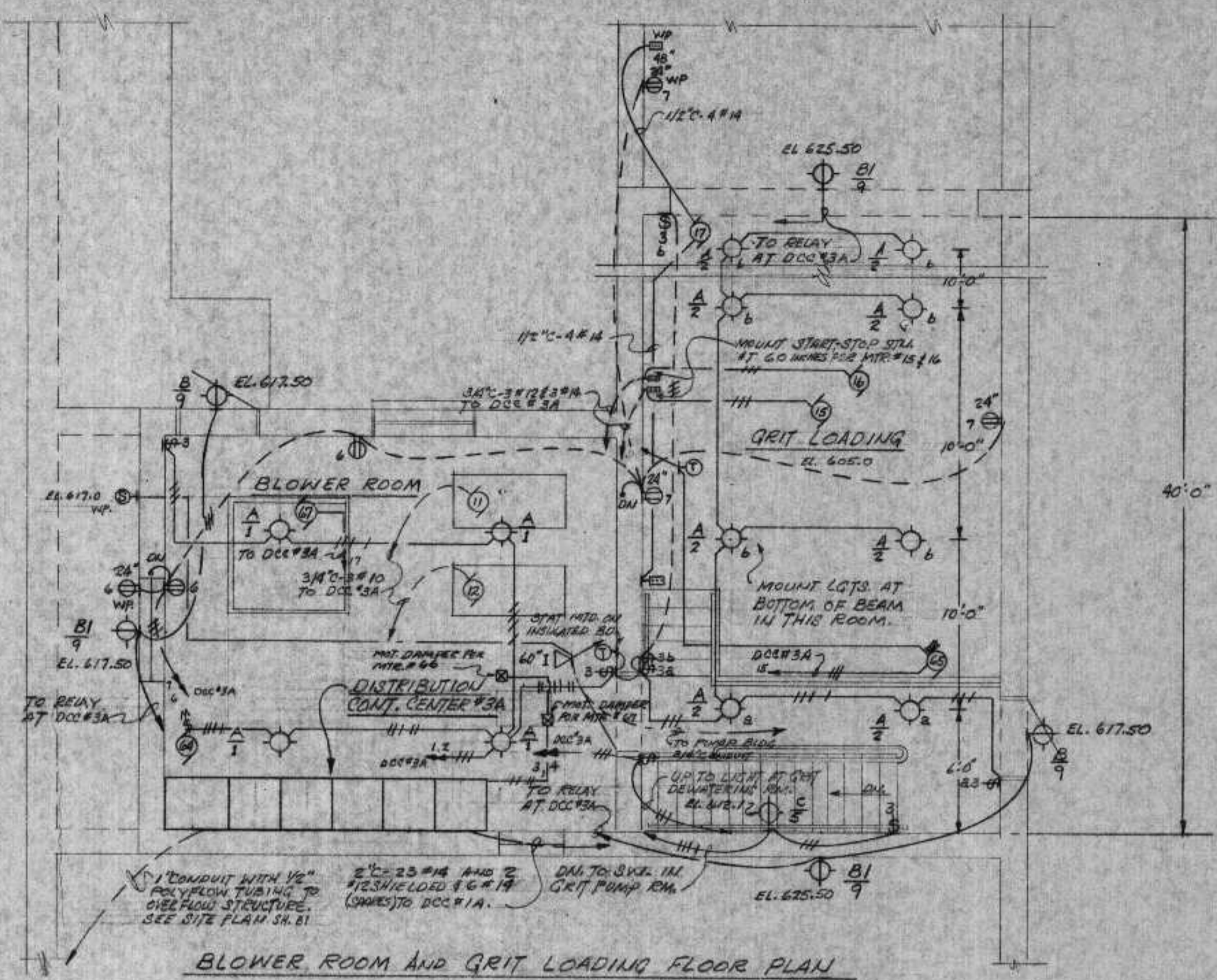


FRONT ELEV. DISTRIBUTION CONTROL CENTER #3A FOR GRIT BUILDING SCALE: 1/2"=1'-0"

DEVICE OR SECTION NO.	LOAD DESCRIPTION
1	200A. 3P. C.B. (MAIN)
2	20A. 3P. C.B. FOR MTRS. 1, 2 AND 5
3	COMB. STARTER AND 15A. 3P. C.B. FOR MTR. #15
4	COMB. STARTER AND 15A. 3P. C.B. FOR MTR. #14
5	COMB. STARTER AND 15A. 3P. C.B. FOR MTR. #13
6	COMB. STARTER AND 15A. 3P. C.B. FOR MTR. #12
7	20A. 3P. C.B. CONTROL CIRCUIT
8	20A. 3P. C.B. (SPACE)
9	COMB. STARTER AND 15A. 3P. C.B. FOR MTR. #3
10	COMB. STARTER AND 15A. 3P. C.B. FOR MTR. #4
11	COMB. STARTER AND 20A. 3P. C.B. FOR MTR. #9
12	COMB. STARTER AND 20A. 3P. C.B. FOR MTR. #10
13	COMB. STARTER AND 20A. 3P. C.B. FOR MTR. #11
14	SPACE FOR FUTURE STARTERS
15	COMB. STARTER AND 20A. 3P. C.B. FOR MTR. #6
16	COMB. STARTER AND 20A. 3P. C.B. FOR MTR. #7
17	COMB. STARTER AND 20A. 3P. C.B. FOR MTR. #12
18	20A. 3P. CONTACTOR WITH PILOT FOR MTRS. 1, 2 AND 5 AND REMAINING LGTS. FOR MTRS. 3, 13 & 14.
19	120/200V. 3P. 4W. PANELBOARD WITH 20-20A. 1P. C.B., 1-20A. 3P. C.B. AND 2-20A. 1P. SPACES.
20	15 KVA DRY TYPE TRANS. 480V. PRI. 120/208V. SEC. AND 20A. 3P. C.B. FOR TRANS.
21	SECTION FOR SUPERVISORY CONTROLS, RELAY FOR EXTERIOR LIGHTS, AIR COMPRESSOR, M-SVR FOR MTRS. # 66 AND 67.
22	SNARE PIN ALARM PILOT LIGHTS FOR MOTORS #3 AND 4.
23	COMB. STARTER AND 15A. 3P. C.B. FOR MTR. #16
24	COMB. STARTER AND 15A. 3P. C.B. FOR MTR. #18

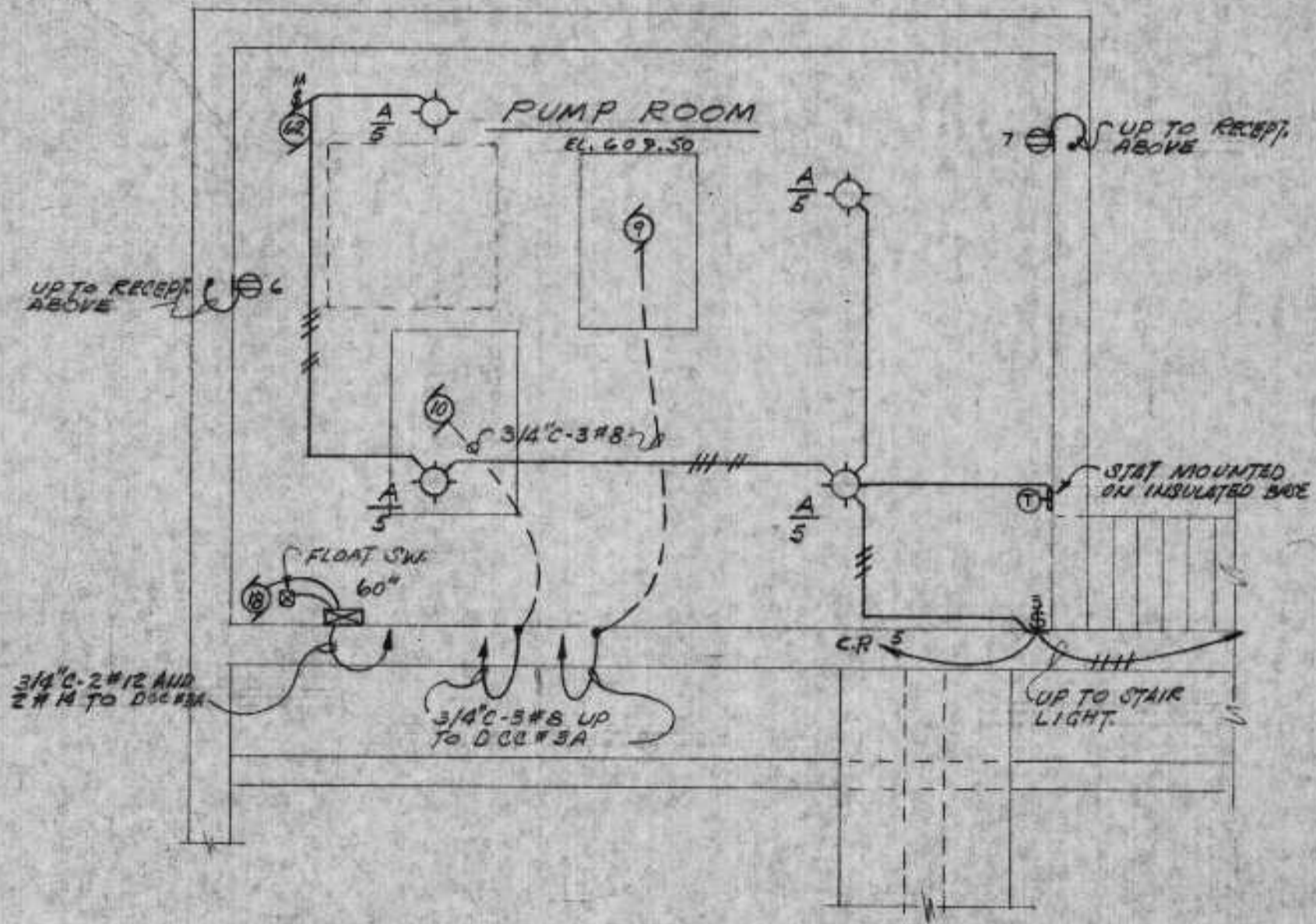


NOTE: BUS SHALL BE 200A THROUGH-OUT.  
ONE LINE DIAGRAM OF DISTRIBUTION CONT. CENTER #3A

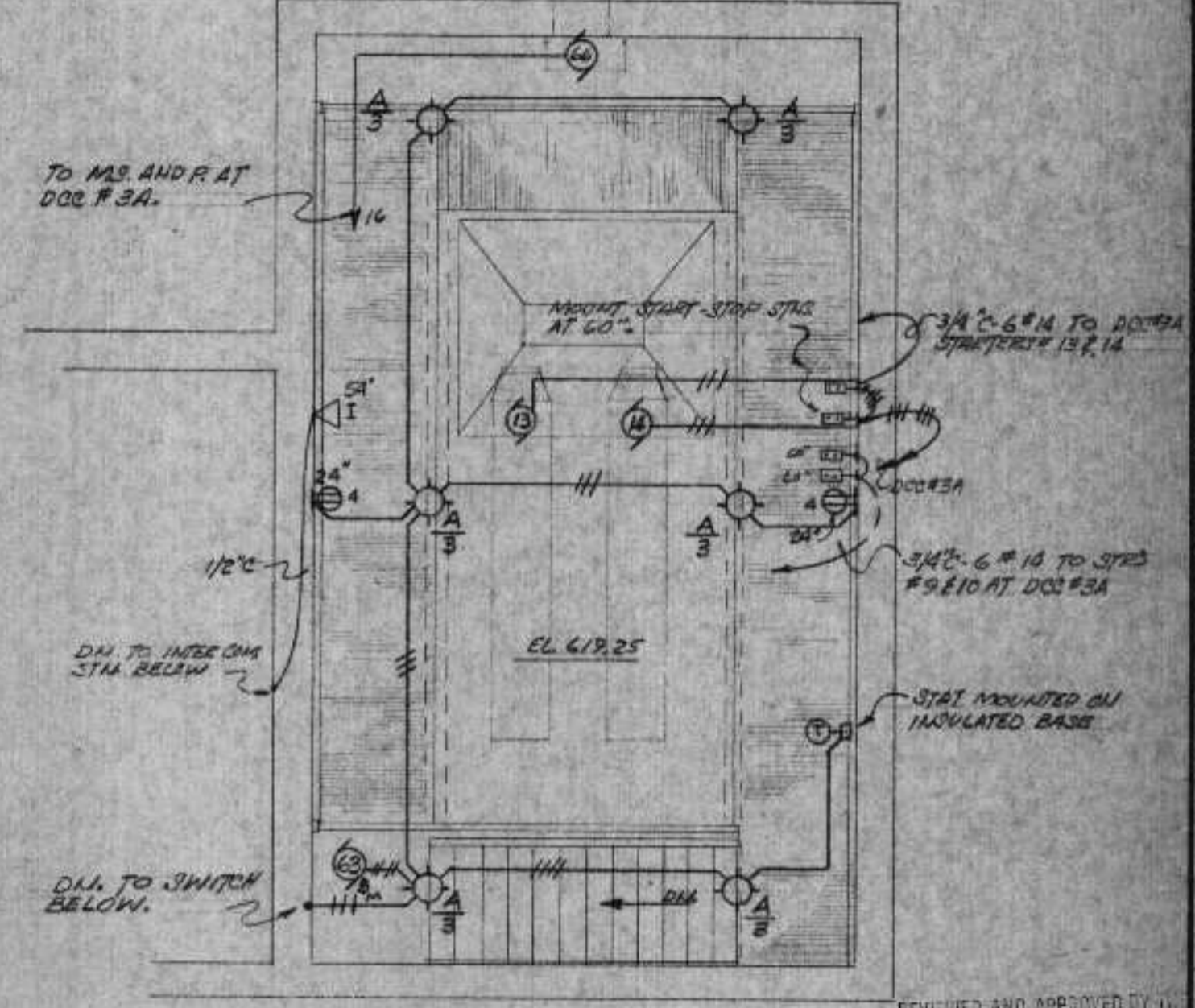


BLOWER ROOM AND GRIT LOADING FLOOR PLAN SCALE: 1/4"=1'-0"

NOTE: RELAY FOR EXTERIOR LIGHTS SHALL BE A 25A. 3P. AND WILL BE CONTROLLED BY TIMER AT DCC#3A.



GRIT PUMP ROOM SCALE: 1/4"=1'-0"



GRIT DEWATERING FLOOR PLAN SCALE: 1/4"=1'-0"

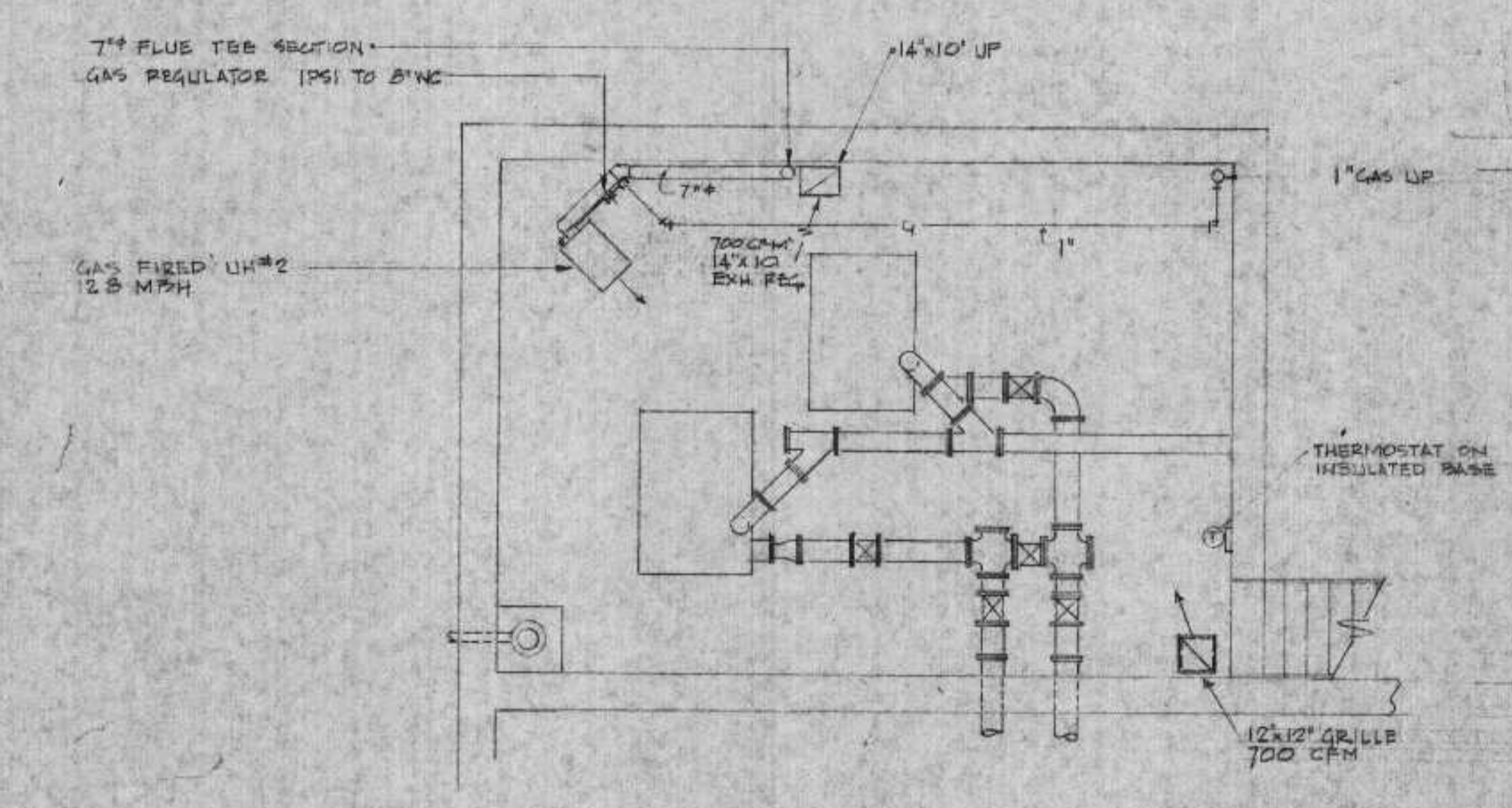
REVIEWED AND APPROVED BY: THOMAS G. FRANK, ADMINISTRATOR  
APPROVAL NO. 72 355  
DATE: FEB 4 '74



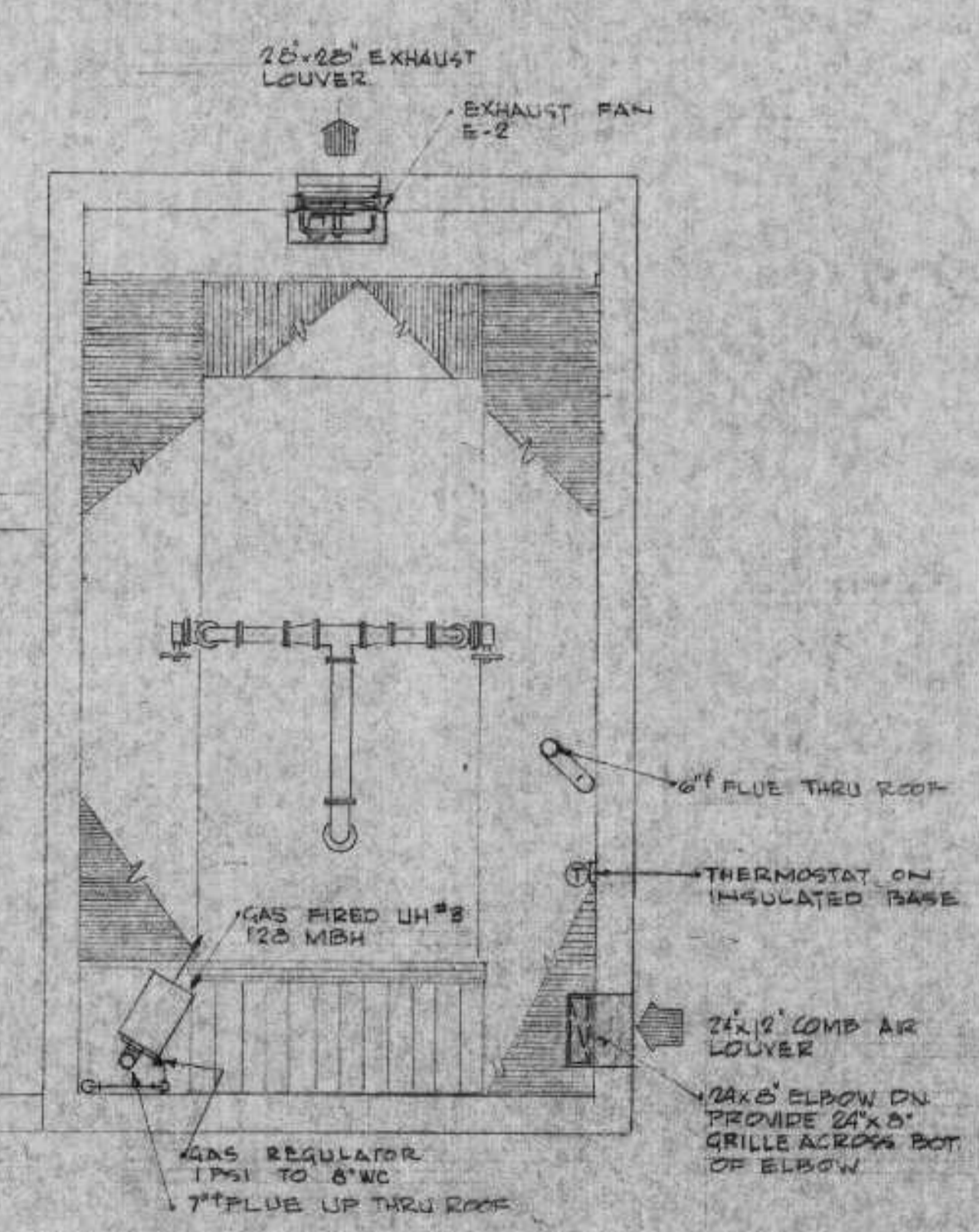


RETENTION TANK TUNNEL PLAN  
SCALE: 1/4" = 1'-0"

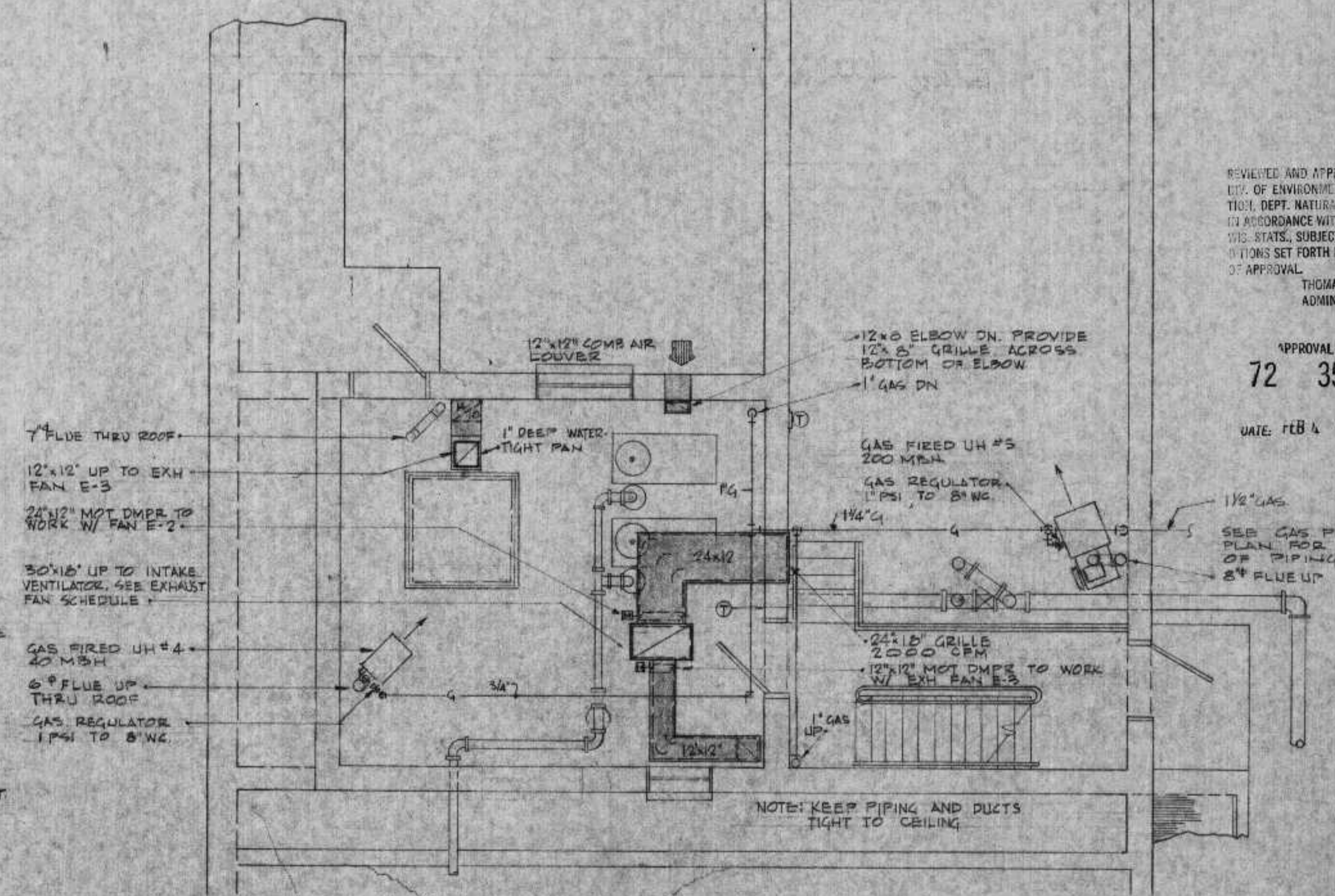
2  
64



GRIT PUMP ROOM PLAN  
SCALE: 1/4" = 1'-0"



GRIT DEWATERING FLOOR PLAN  
SCALE: 1/4" = 1'-0"



GRIT LOADING & BLOWER RM  
SCALE: 1/4" = 1'-0"

REVIEWED AND APPROVED BY THE  
CITY OF ENVIRONMENTAL PROTECTION,  
DEPT. NATURAL RESOURCES,  
IN ACCORDANCE WITH SEC. 144.04,  
M.S. STAT., SUBJECT TO THE CONDITIONS  
SET FORTH IN THE LETTER OF APPROVAL.  
THOMAS G. FRANGOS  
ADMINISTRATOR

APPROVAL NO.  
72 355  
DATE FEB 4 '74

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER  
MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED  
ENGINEER UNDER LAWS OF THE STATE OF MINNESOTA  
*M. Erickson*  
DATE: FEB 2 1974 REG. NO. 3448  
ERICKSEN ELLISON AND ASSOC. INC.  
ST. PAUL, MINNESOTA

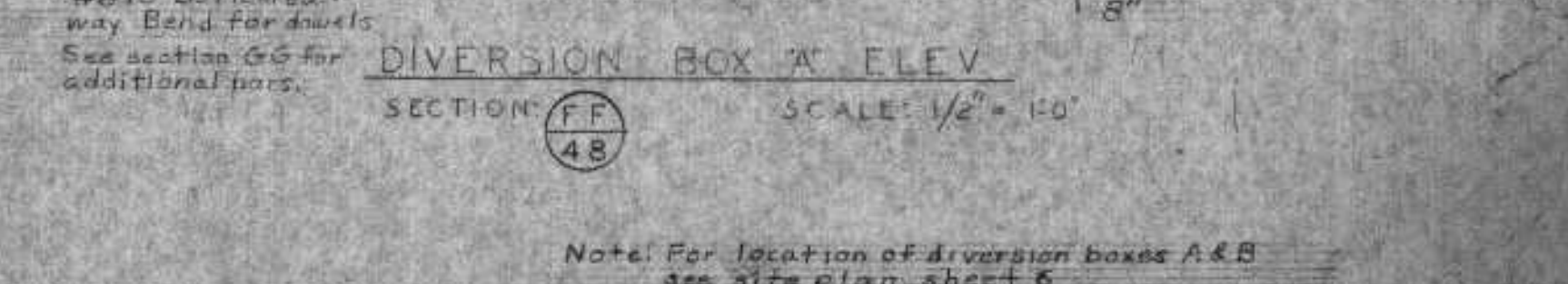
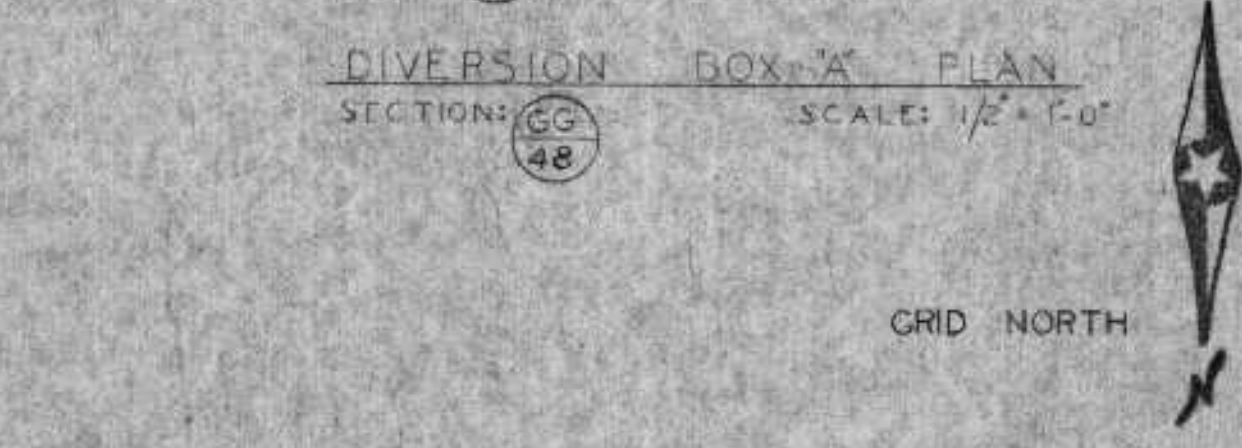
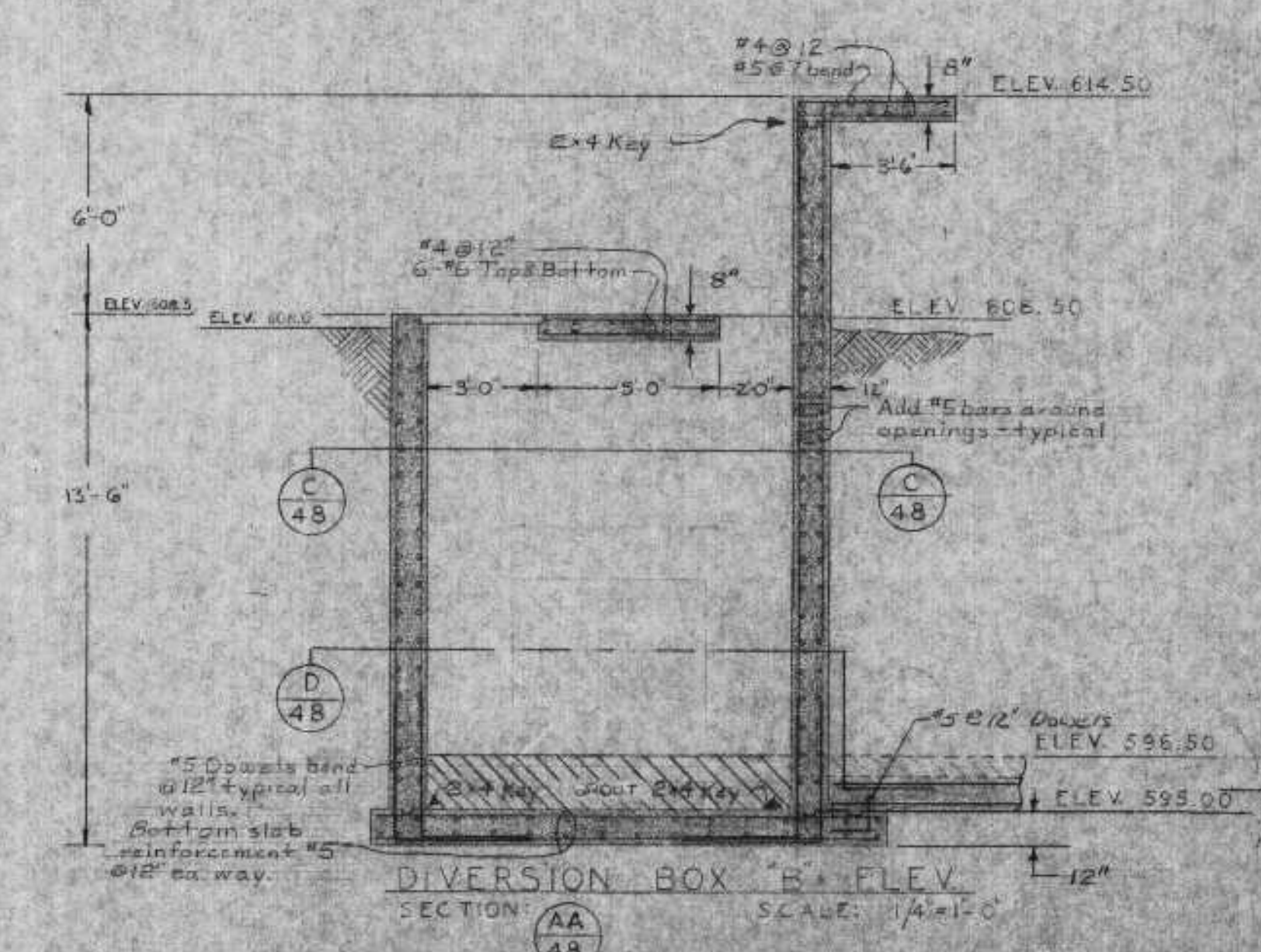
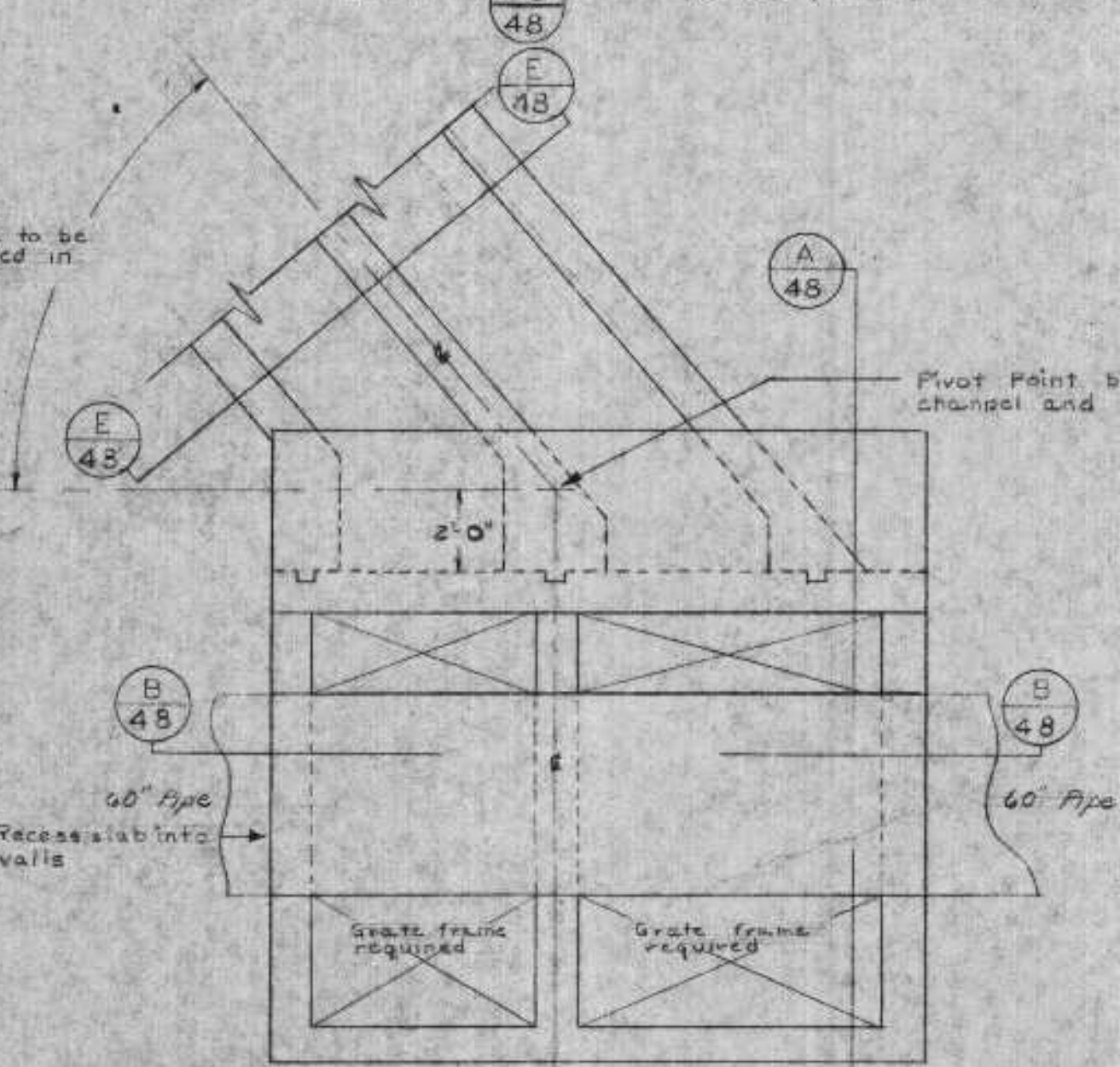
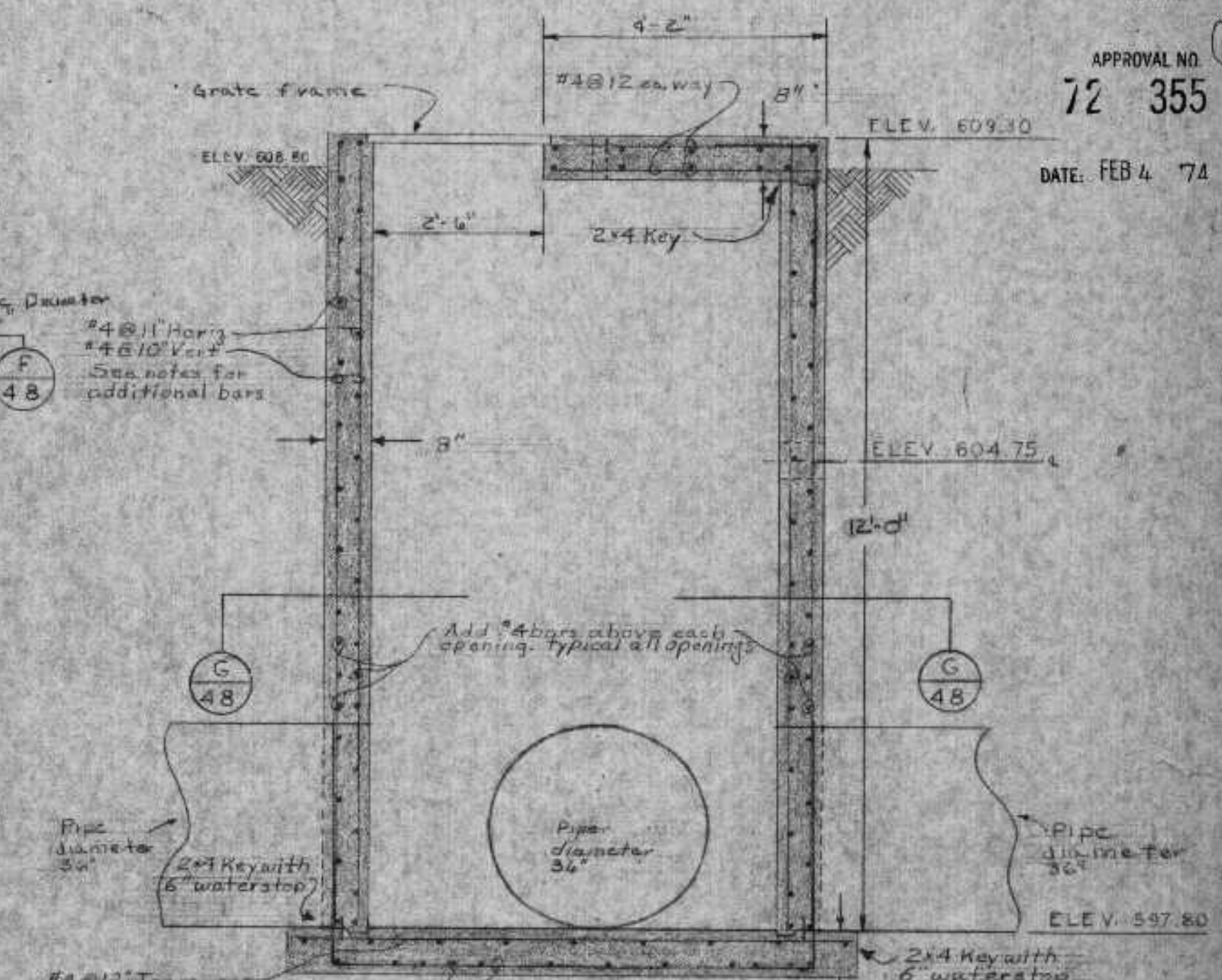
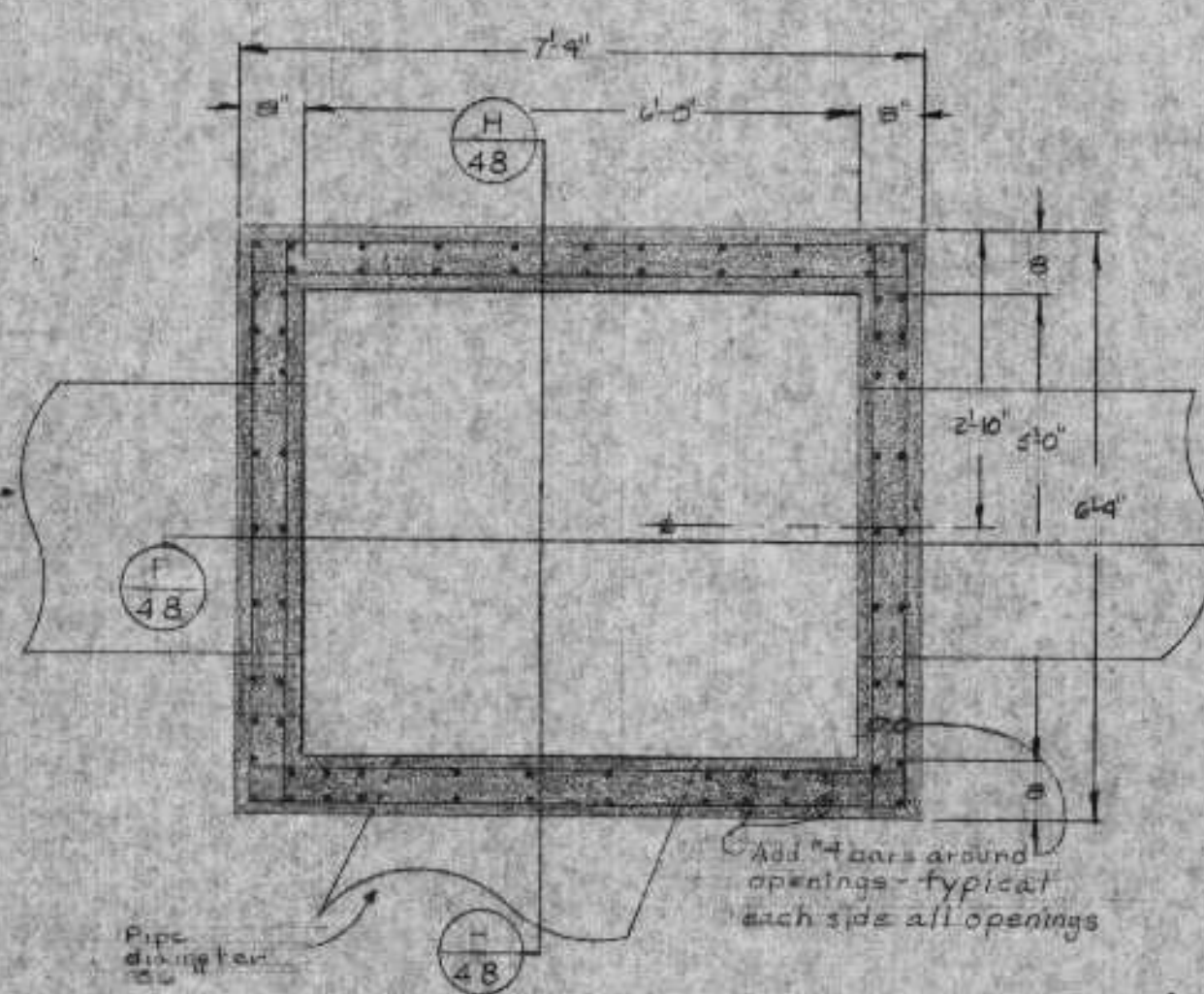
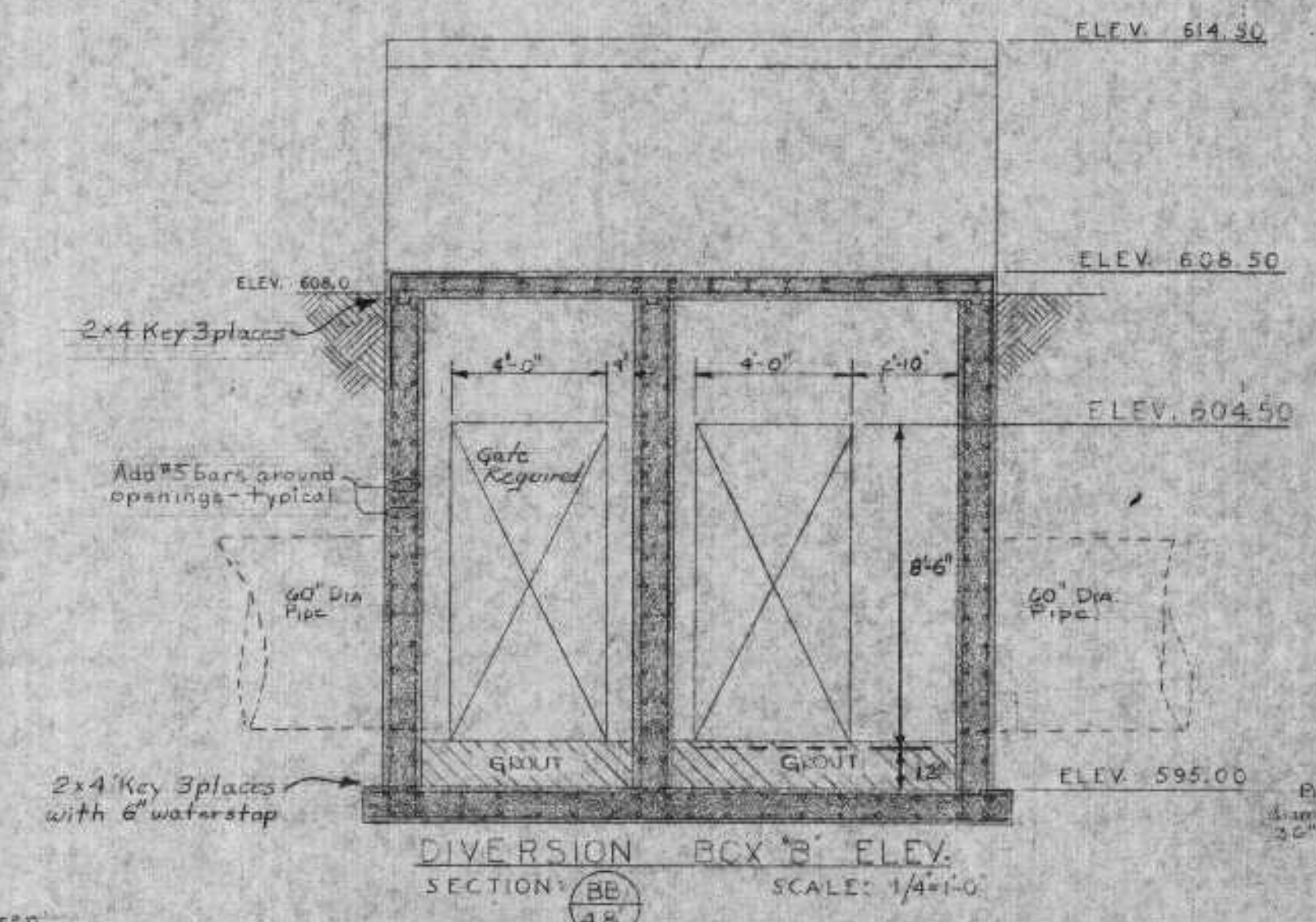
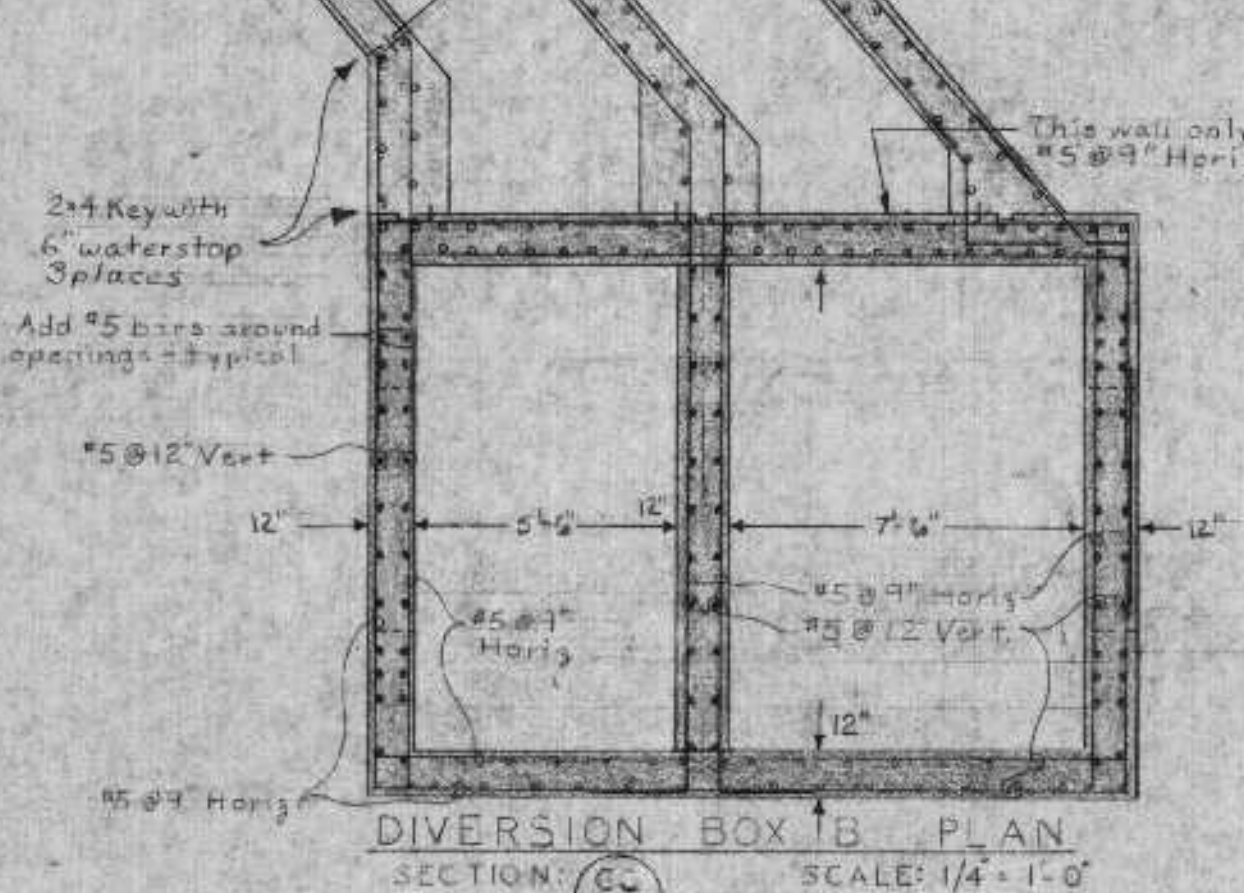
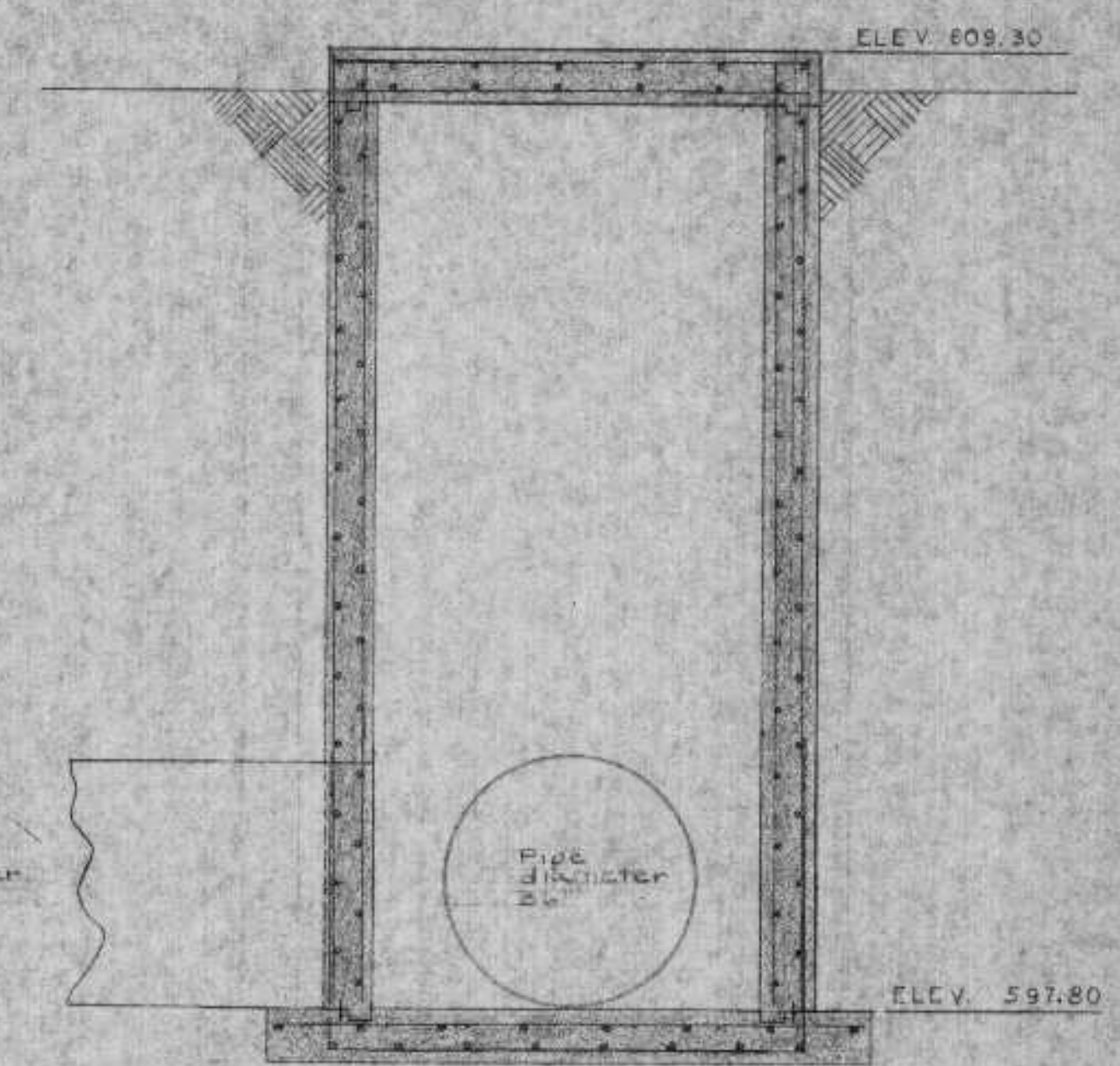
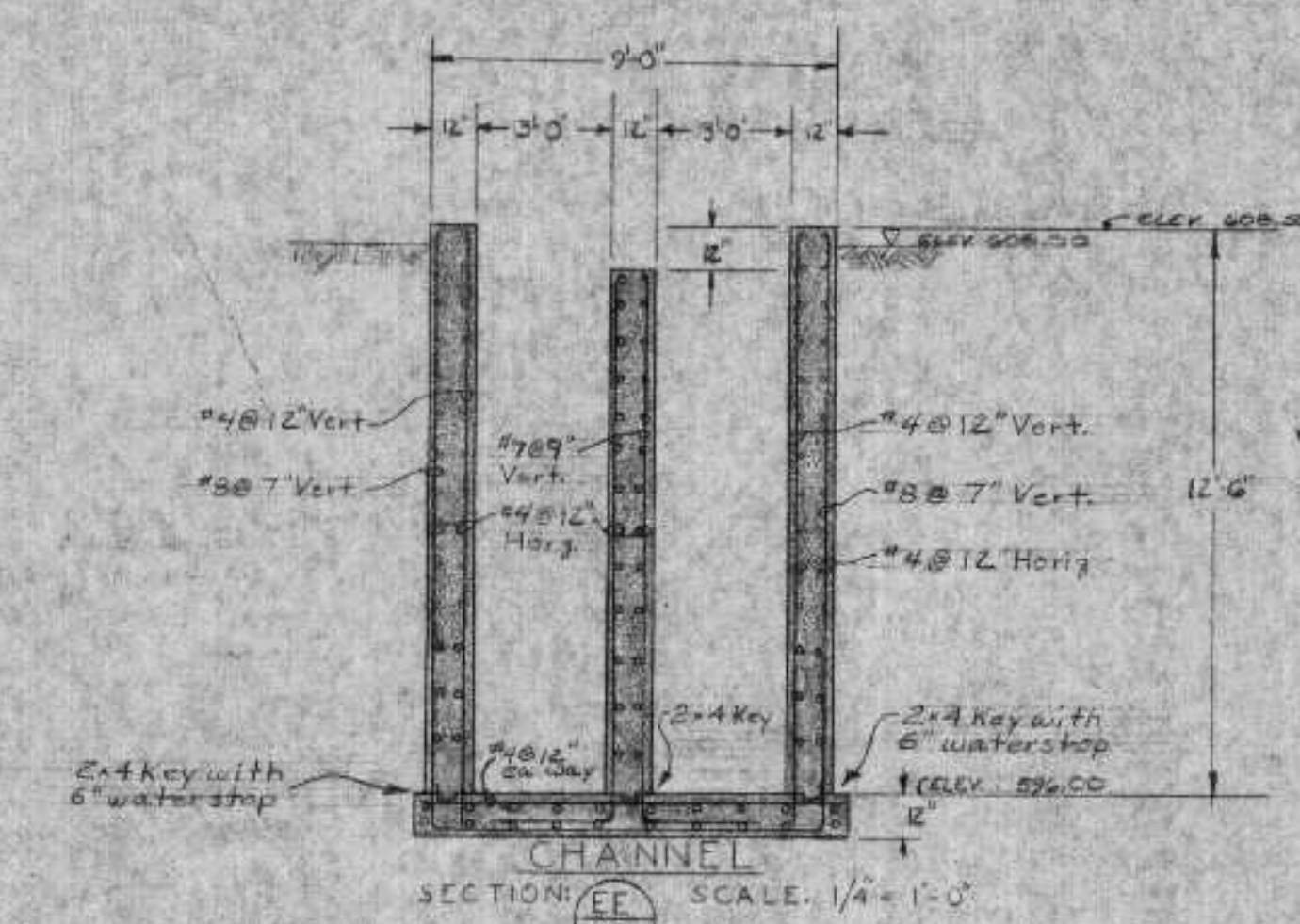
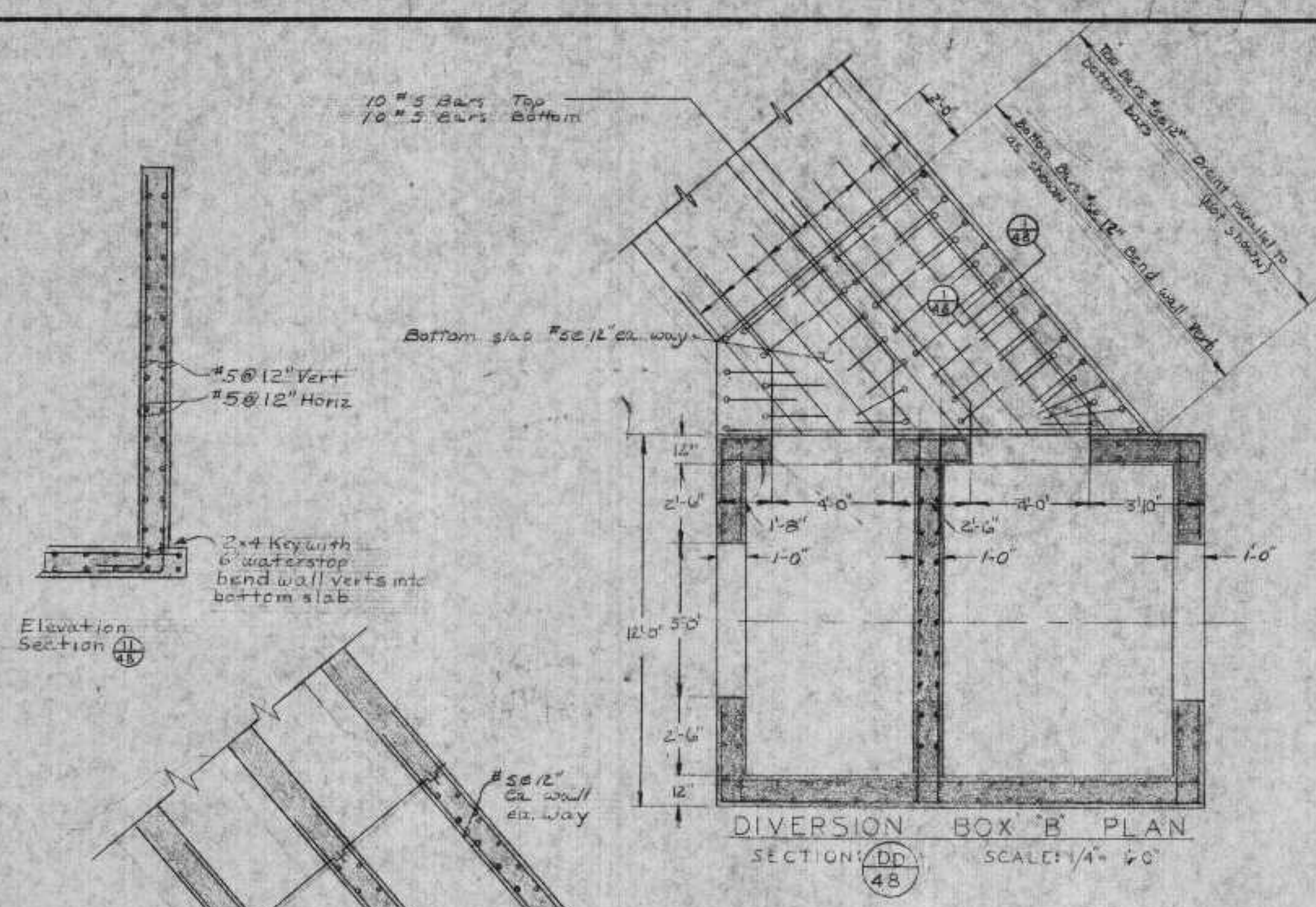
SURVEY	DESIGN	REVISIONS

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

SUPERIOR, WISCONSIN  
DATE: FEBRUARY 2, 1974 COMM. 6886A

HEATING AND VENTILATION





REVIEWED AND APPROVED BY THE  
DIR. OF ENVIRONMENTAL PROTECTION,  
DEPT. NATURAL RESOURCES,  
IN ACCORDANCE WITH SEC. 14.0  
WIS. STATS. SUBJECT TO THE CONDITIONS  
SET FORTH IN THE LETTER OF APPROVAL.

THOMAS G. FRANGOS  
ADMINISTRATOR

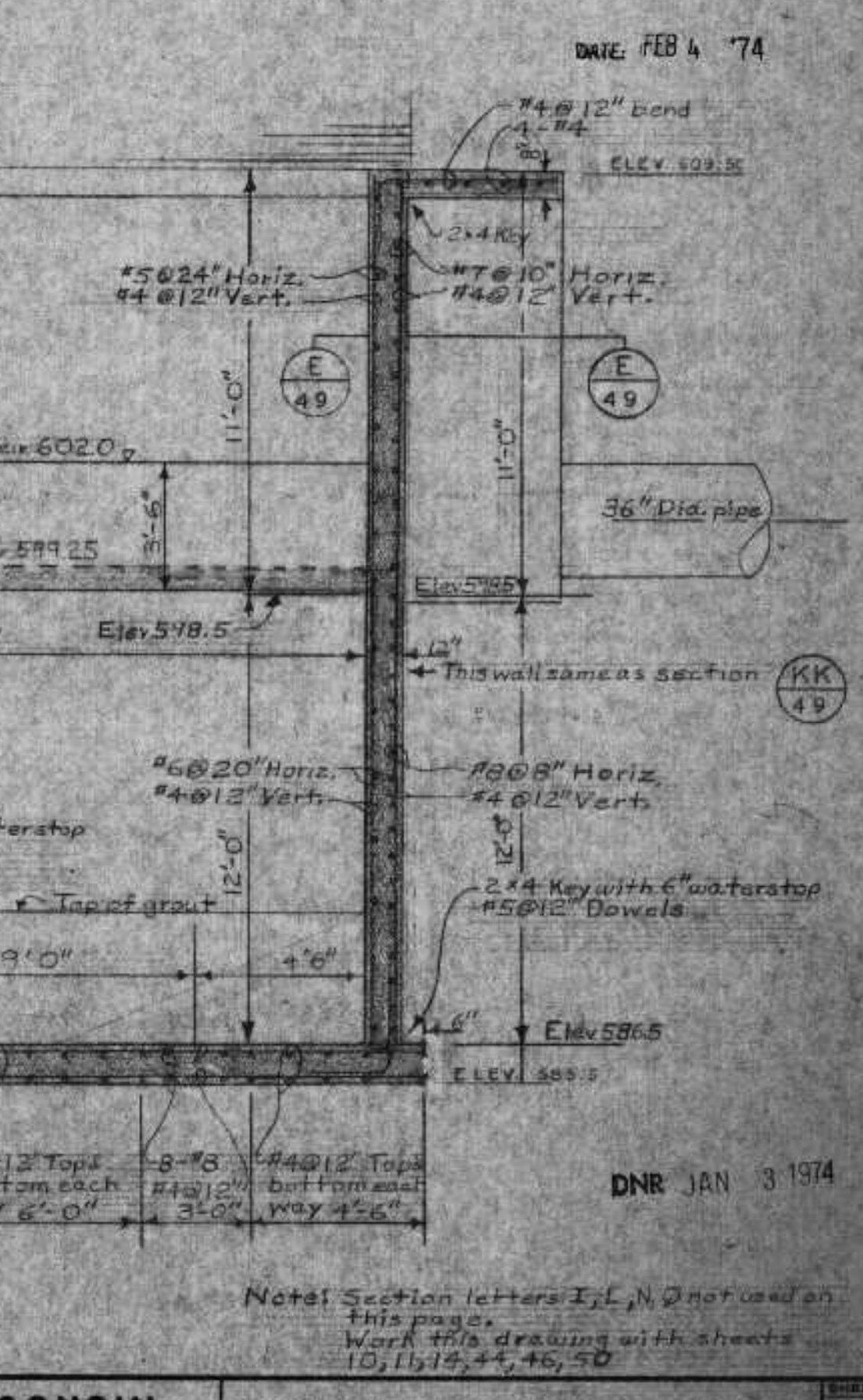
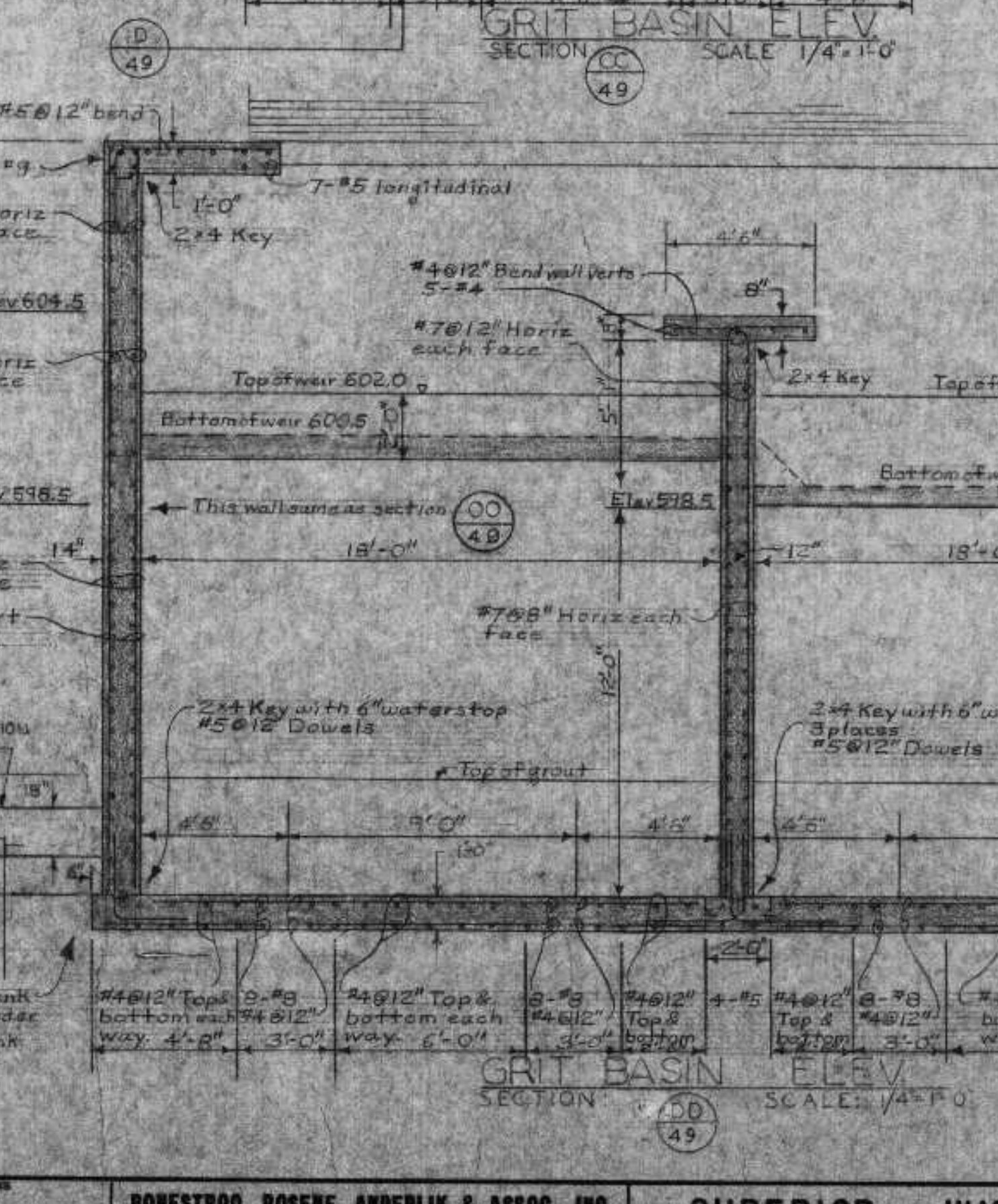
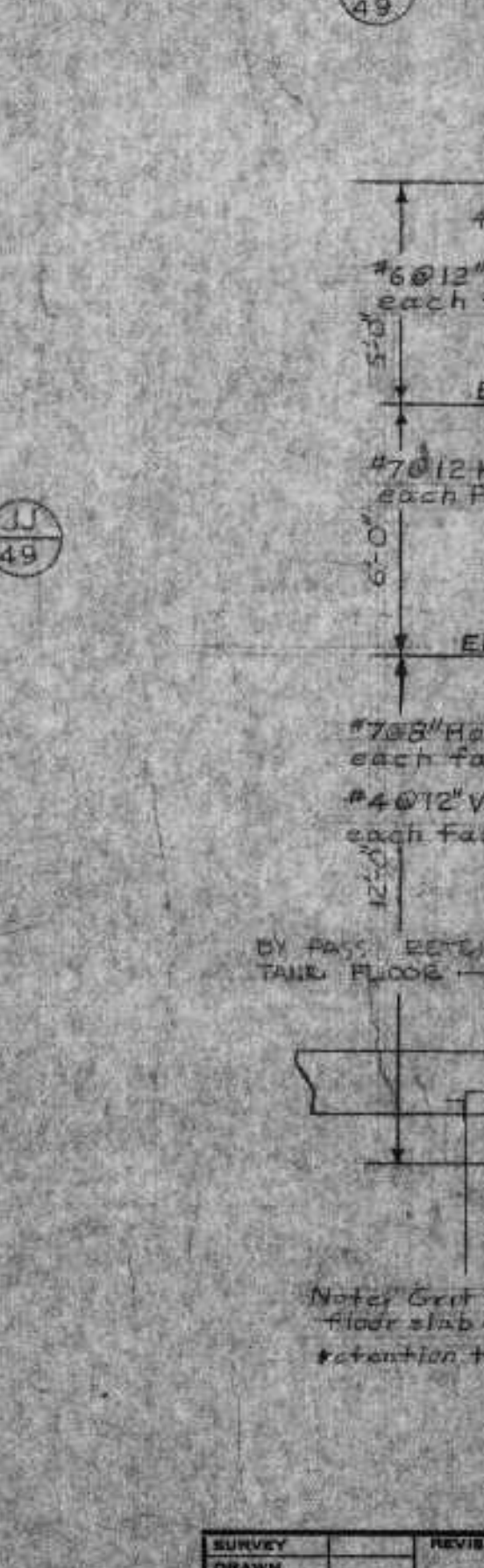
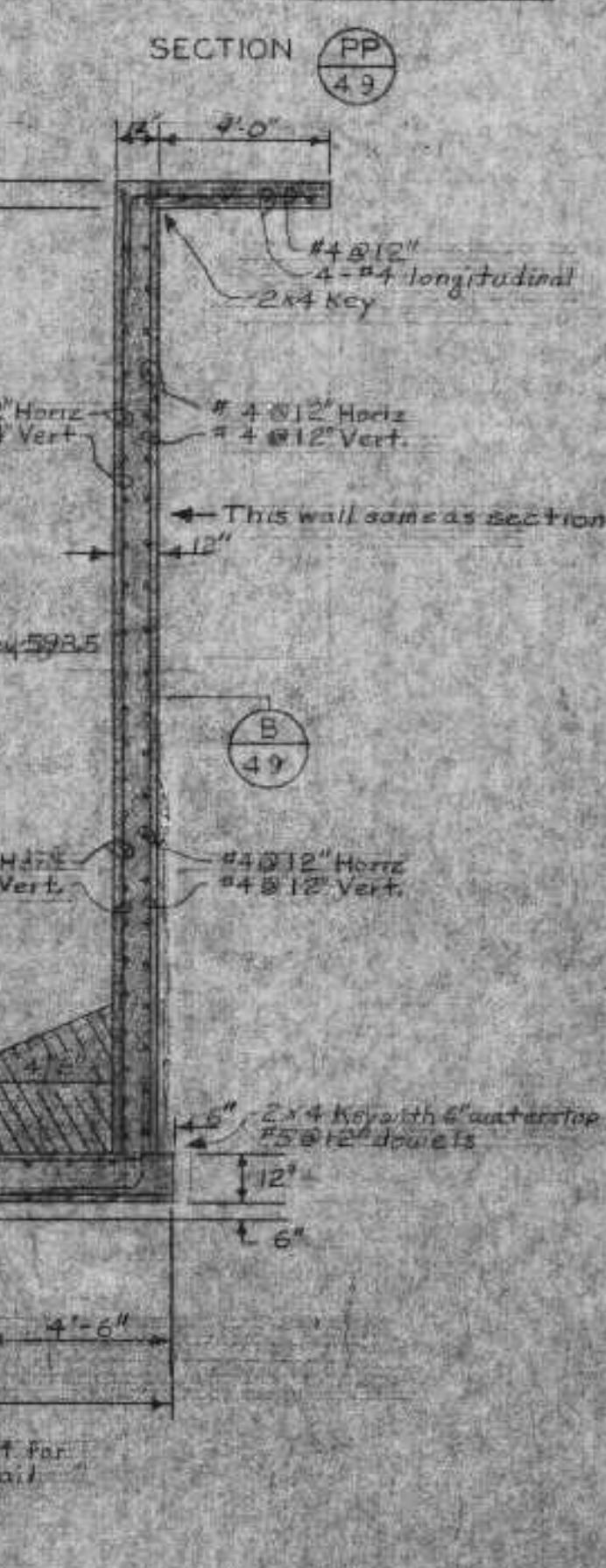
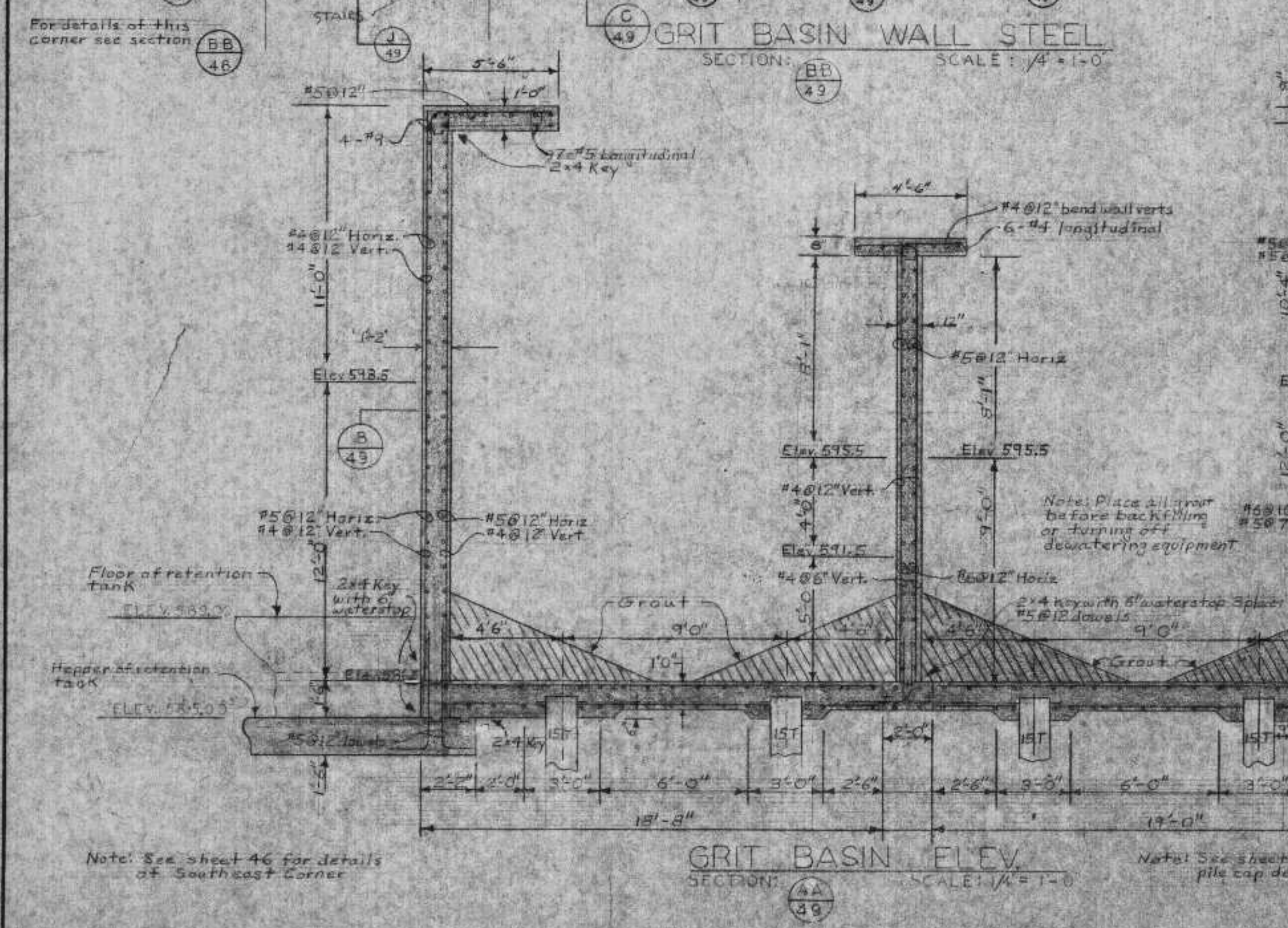
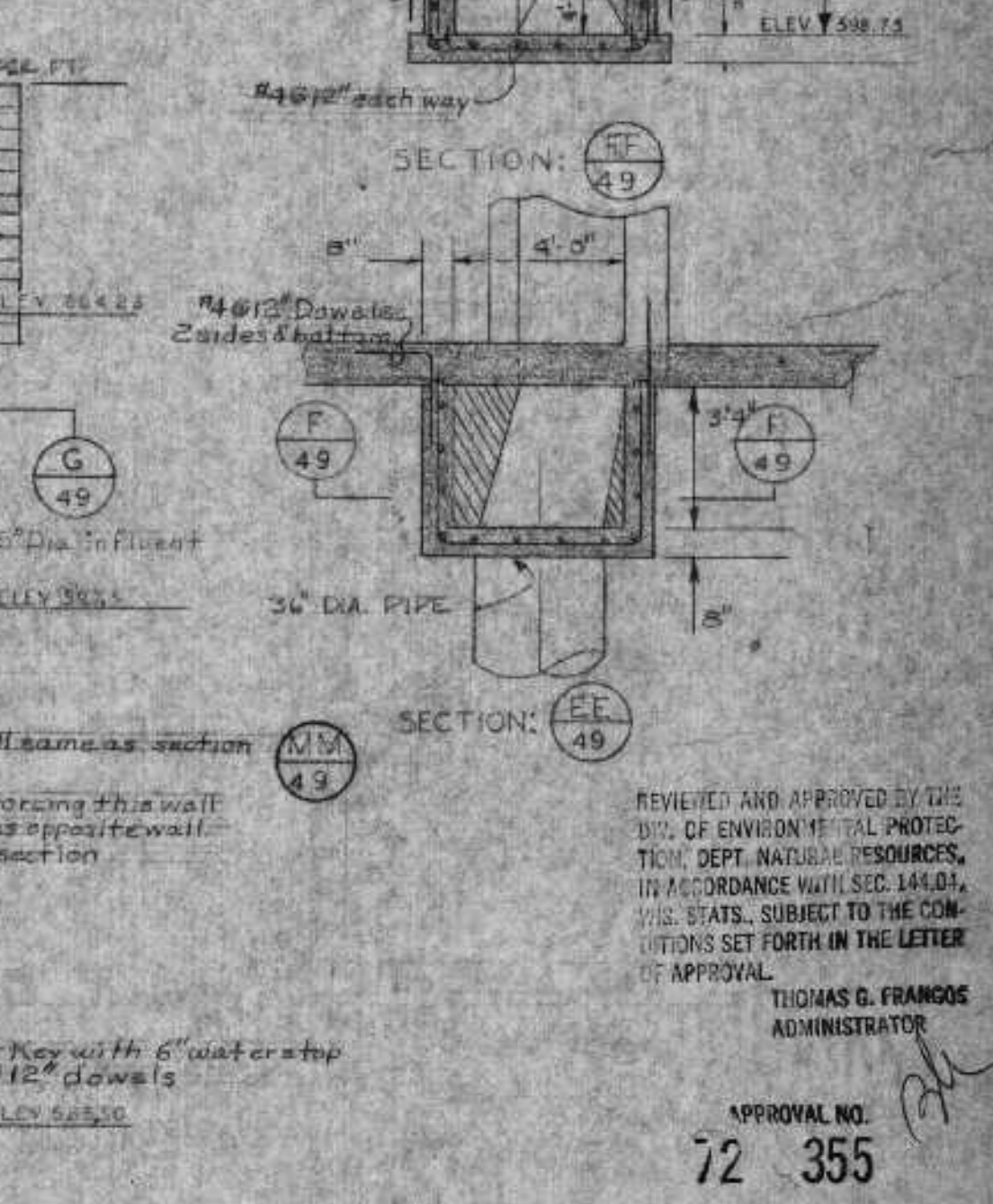
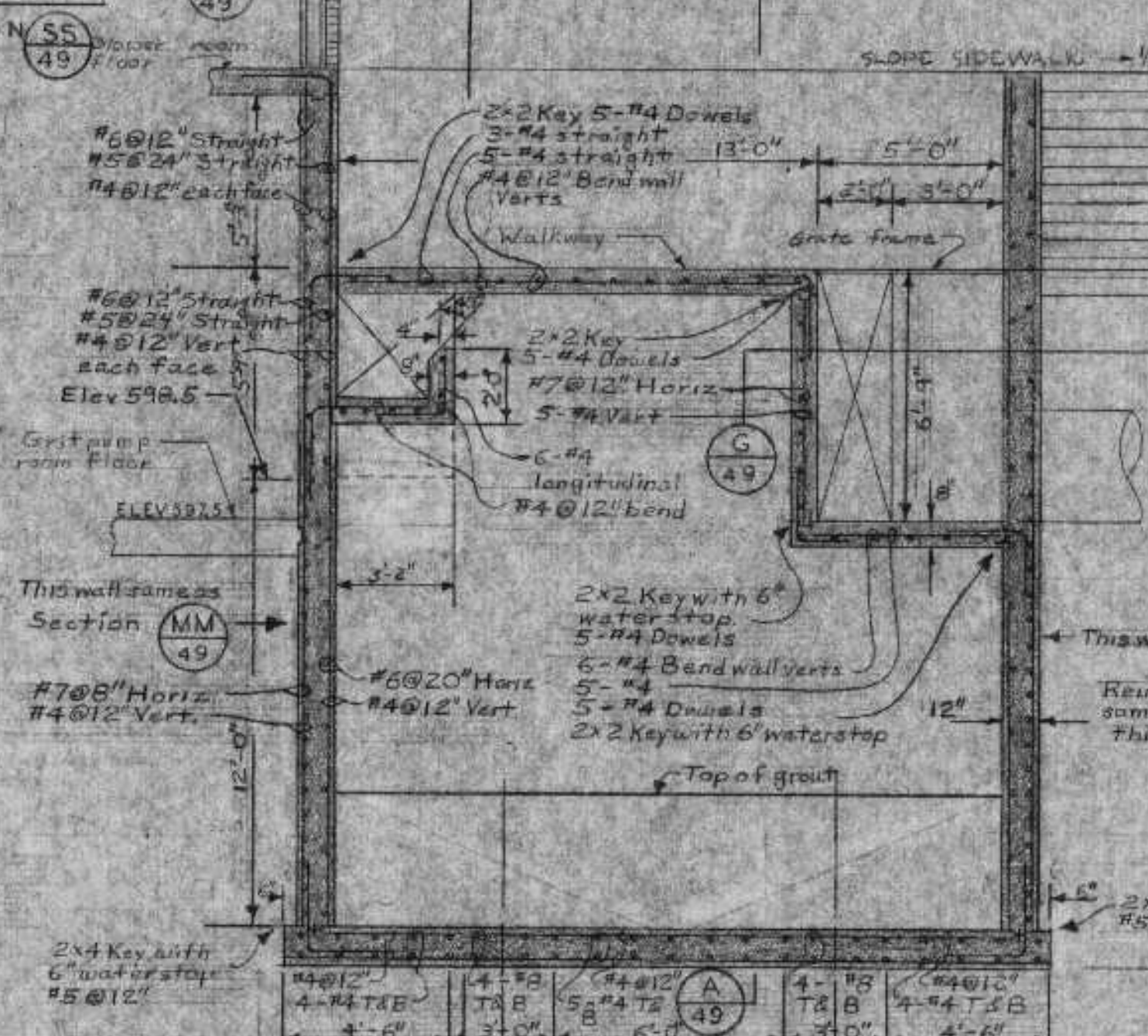
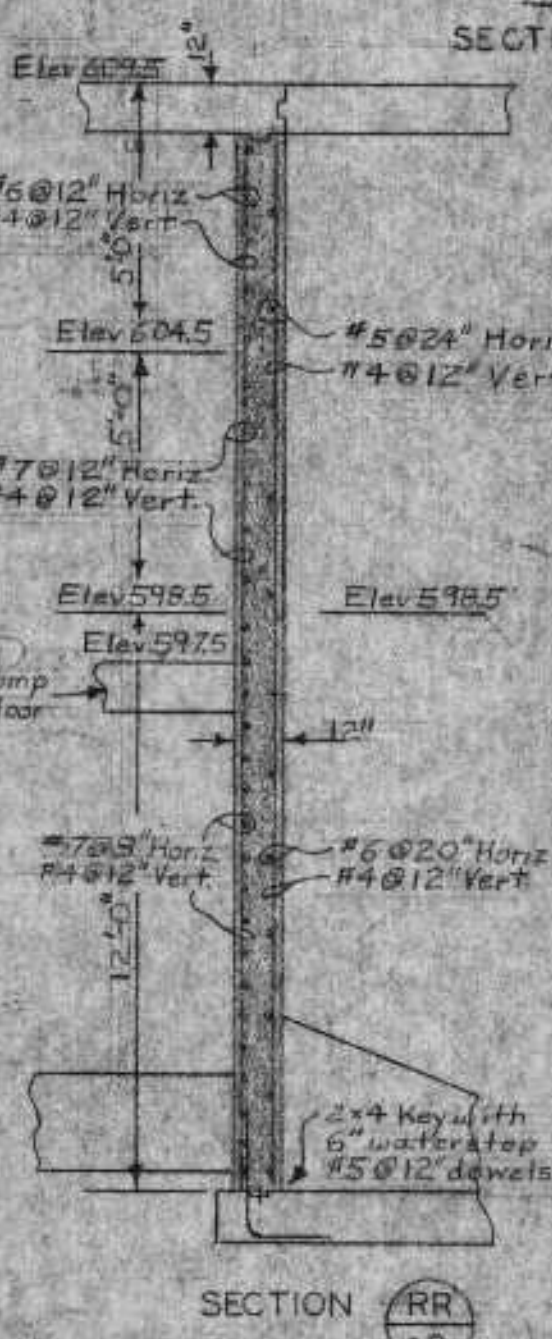
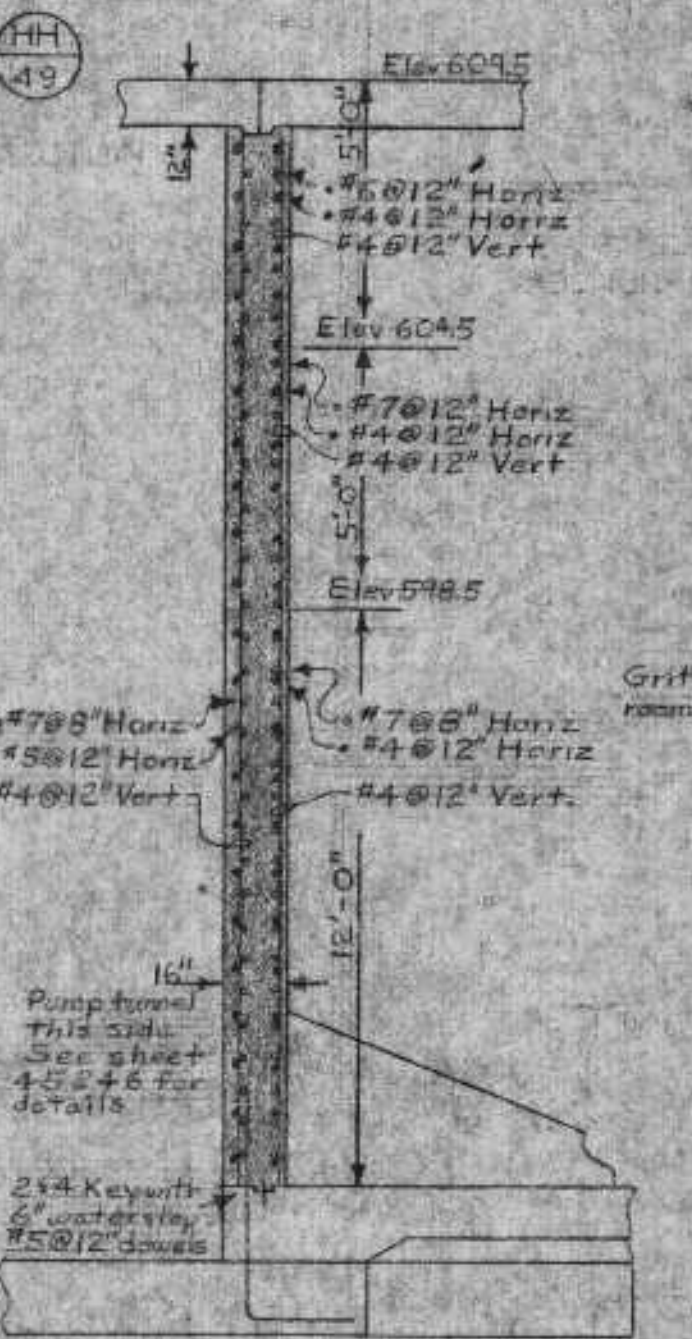
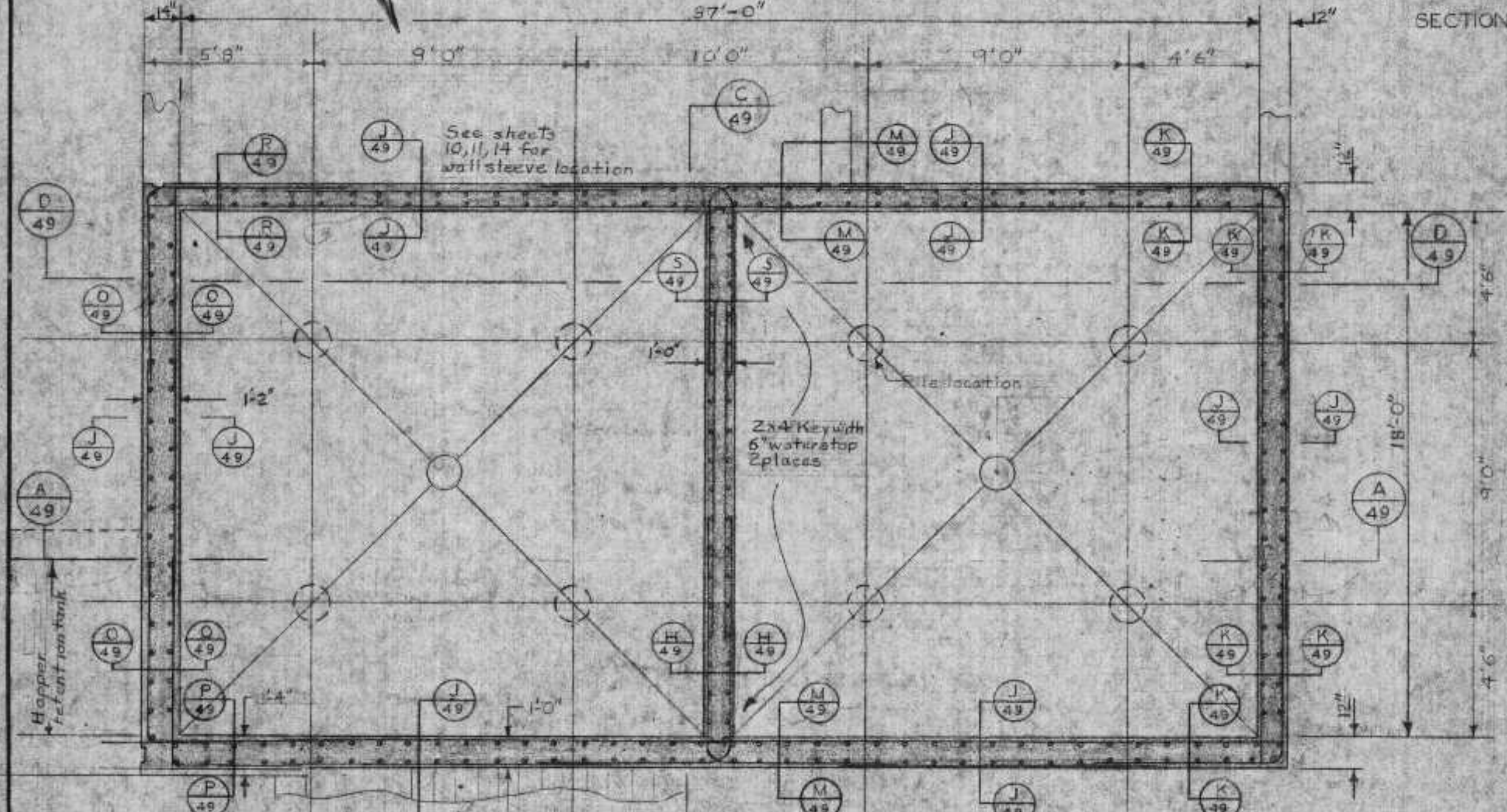
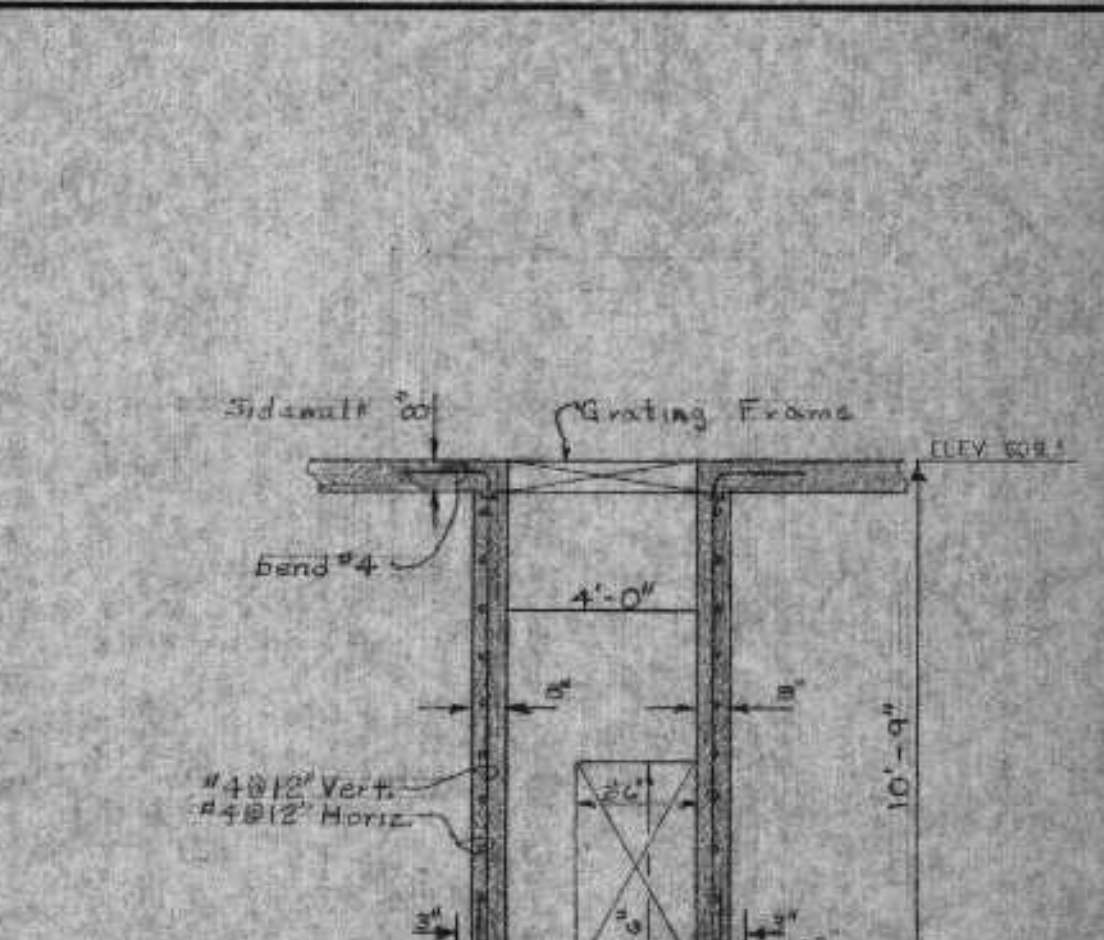
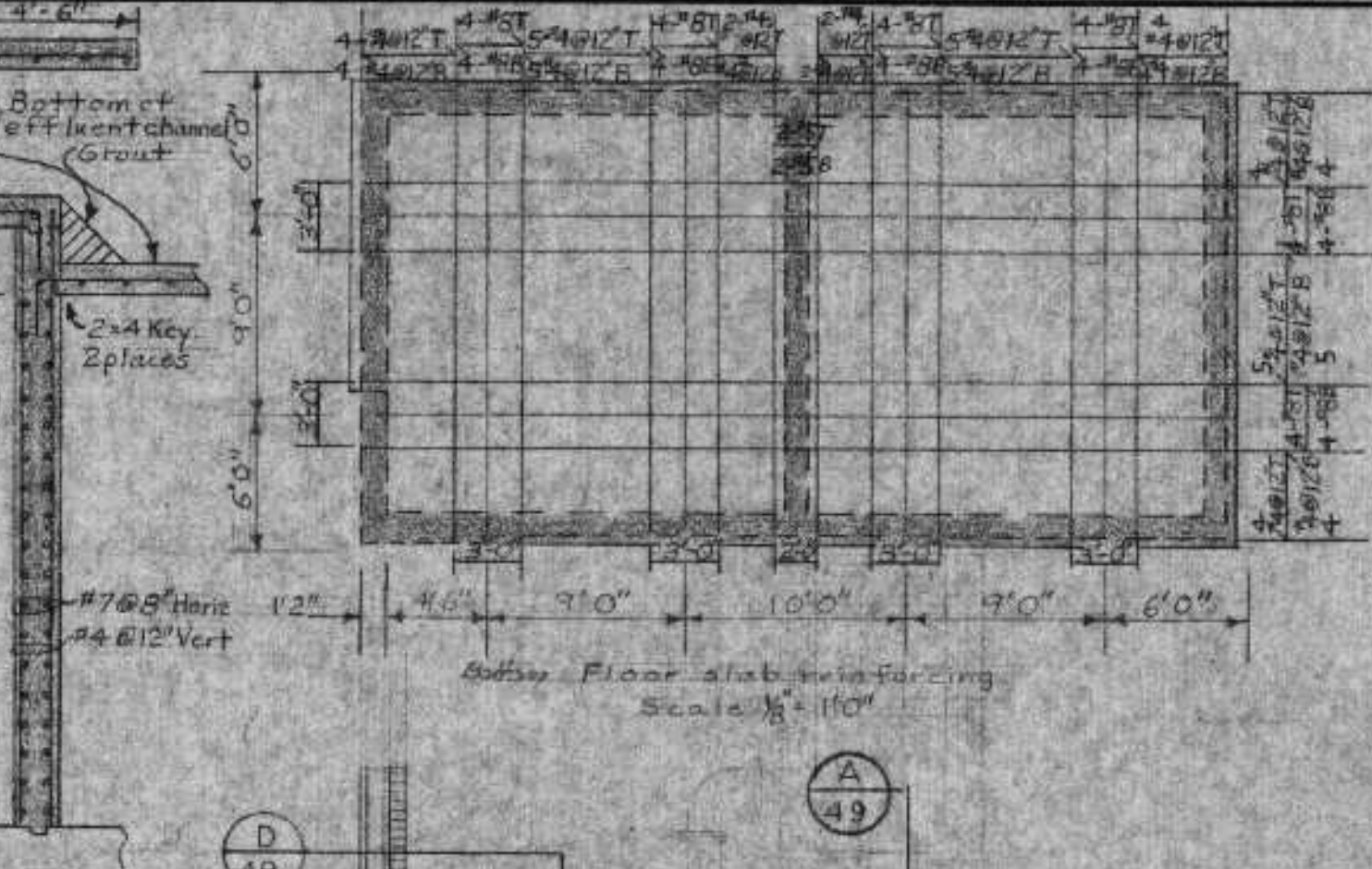
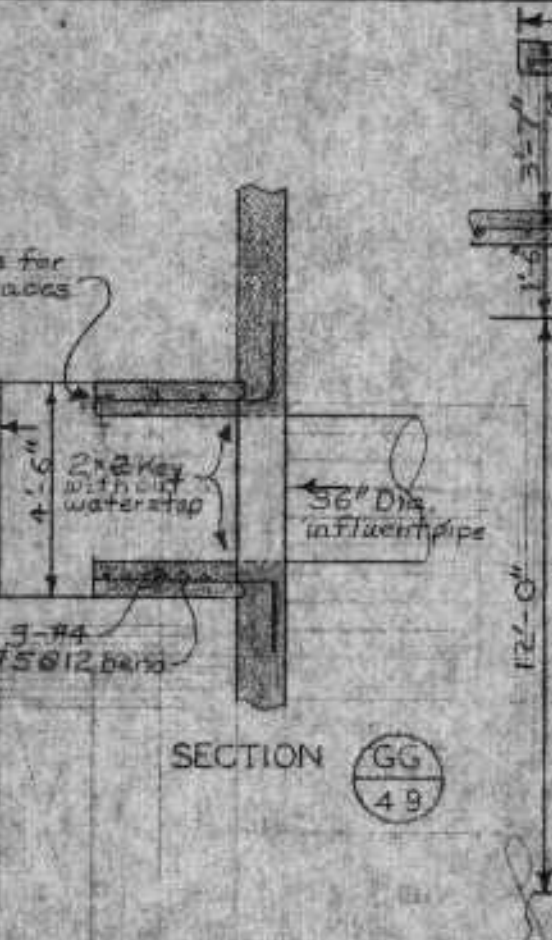
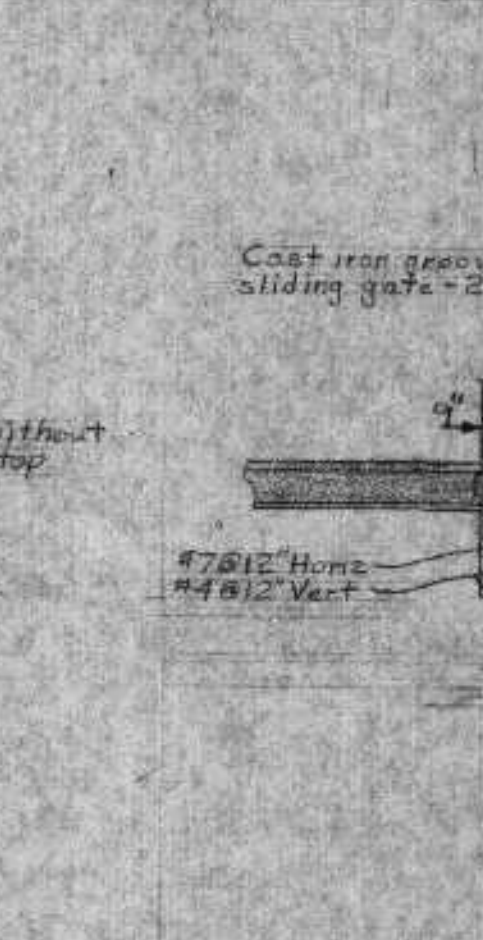
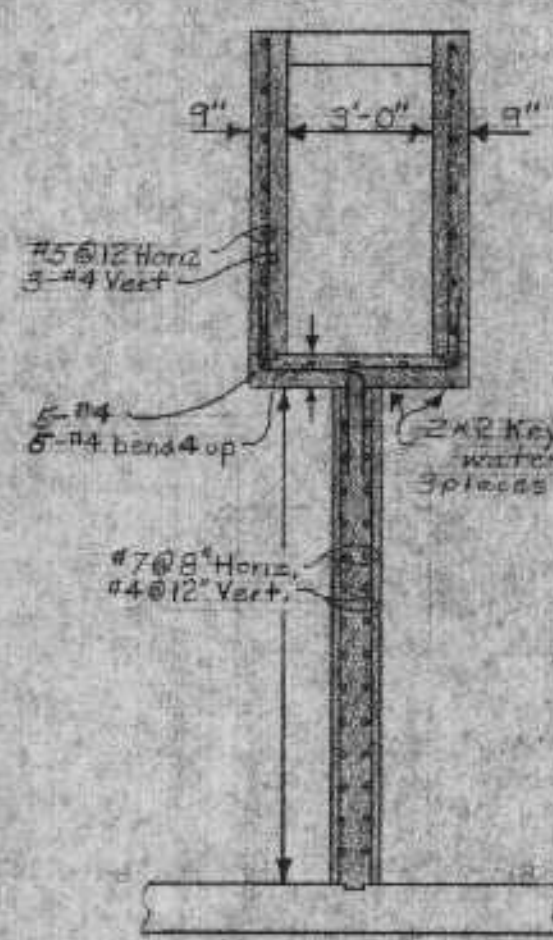
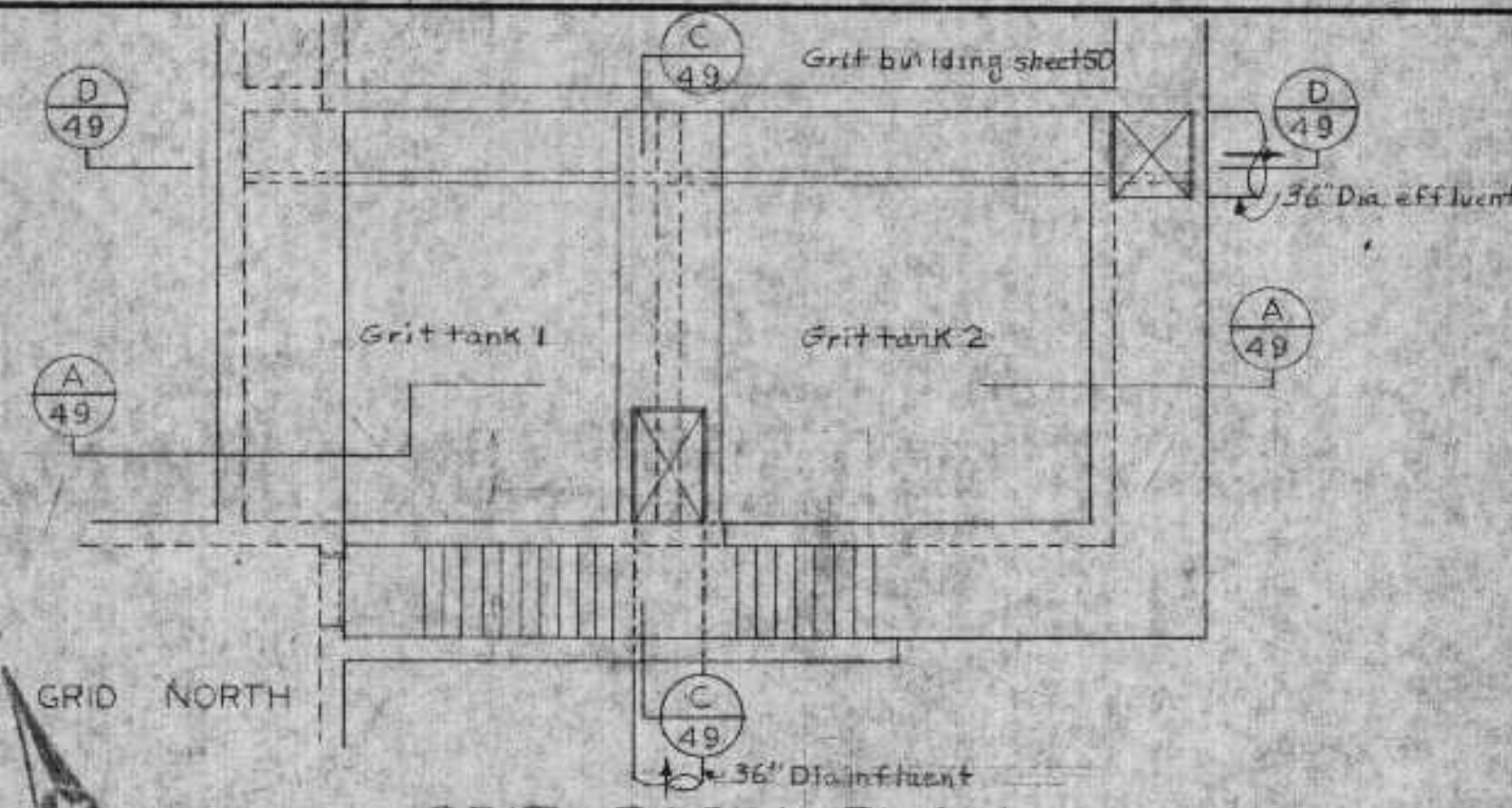
APPROVAL NO.  
**72 355**  
DATE: FEB 4 '74

Note: For location of diversion boxes A & B see site plan sheet 6

QNR JAN 8 1974

SURVEY	DESIGN	APPROVED	REVISIONS	REMOVE EXISTING DIV BOX 'B' AUG 17, 71	<b>DONESTROO, ROSENE, ANDERLIK &amp; ASSOC., INC.</b> ST. PAUL, MINNESOTA	<b>SUPERIOR, WISCONSIN</b> DATE: FEBRUARY 2, 1971 CONN. 6888A	DIVERSION BOX A & B	SHEET 48 84
DRAWN	DESIGNED	APPROVED						



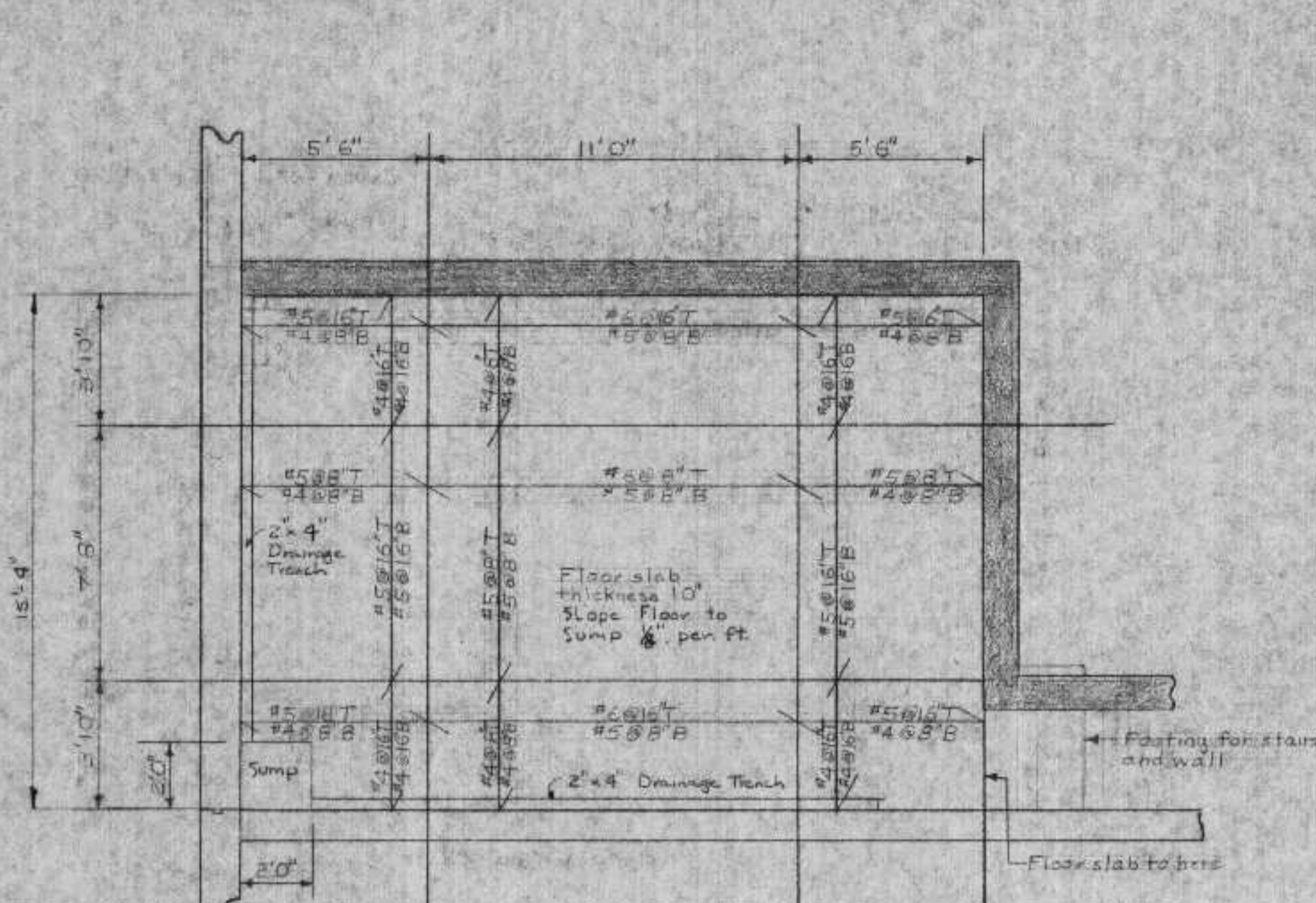


REVIEWED AND APPROVED BY THE  
DIV. OF ENVIRONMENTAL PROTECTION  
DEPT. NATURAL RESOURCES,  
WIS. STATE, SUBJECT TO THE CON-  
DITIONS SET FORTH IN THE LETTER  
OF APPROVAL.  
THOMAS G. FRANCOIS  
ADMINISTRATOR

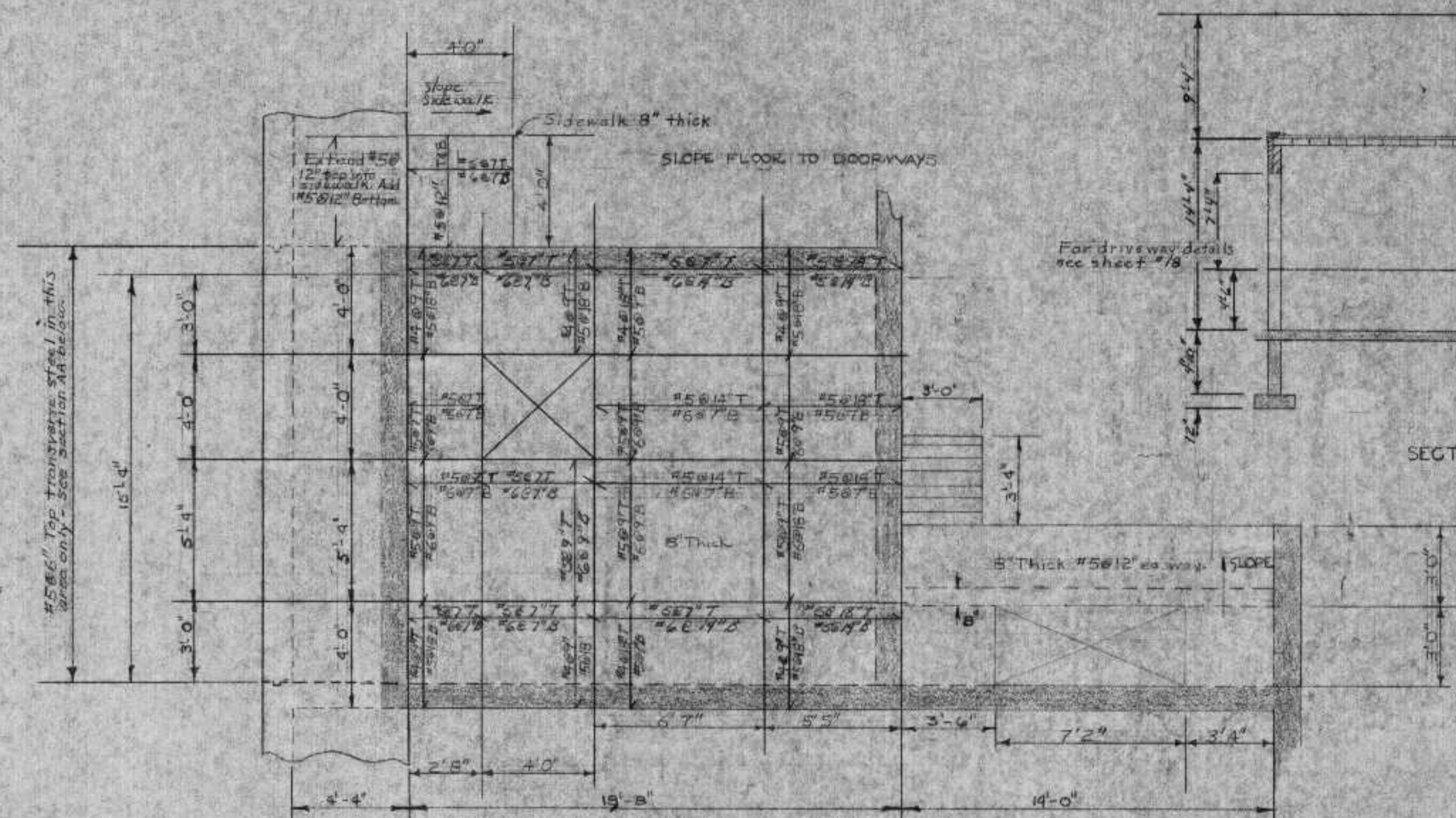
APPROVAL NO.  
**72 355**  
DATE: FEB 4 '74

DNR JAN 3 1974

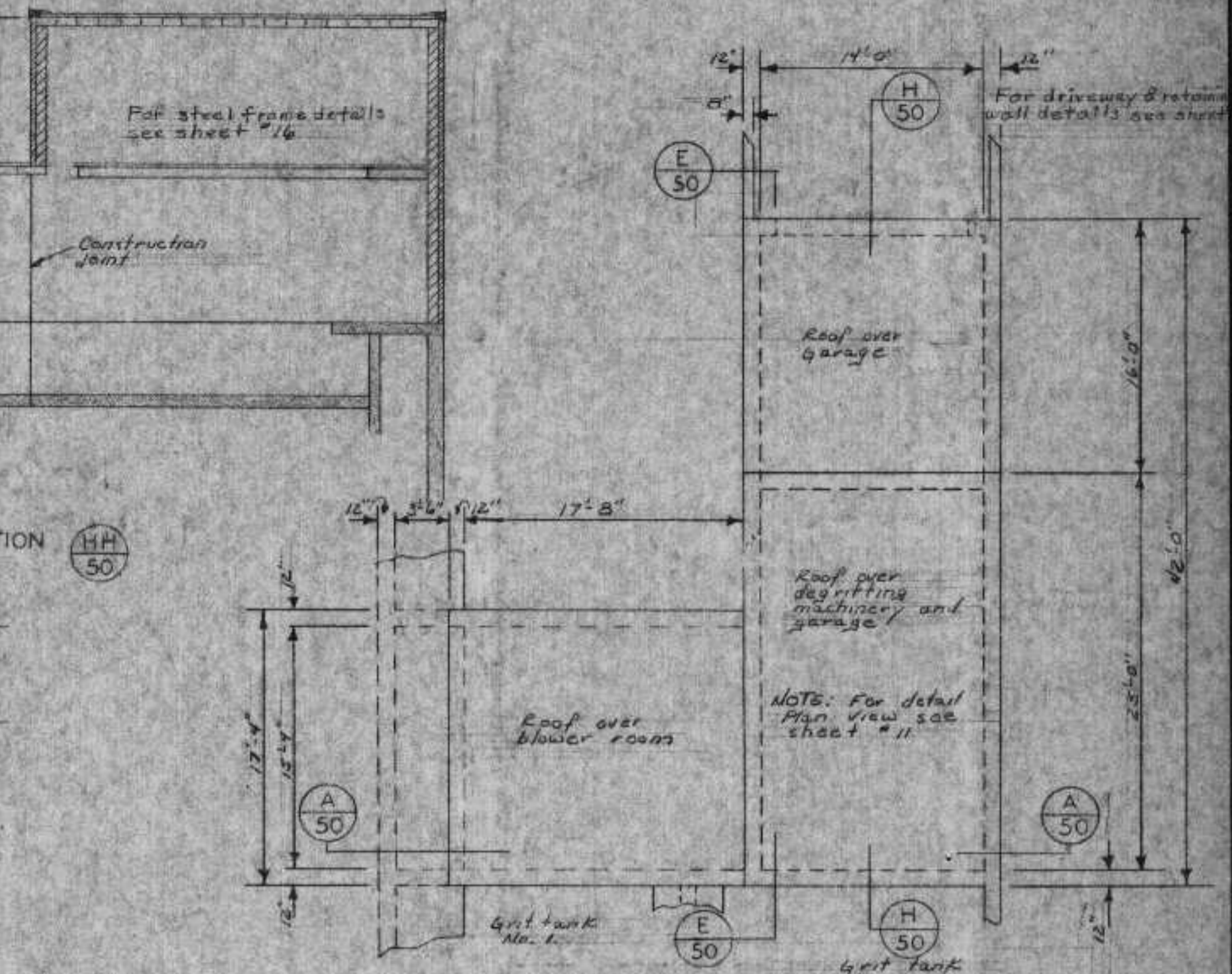




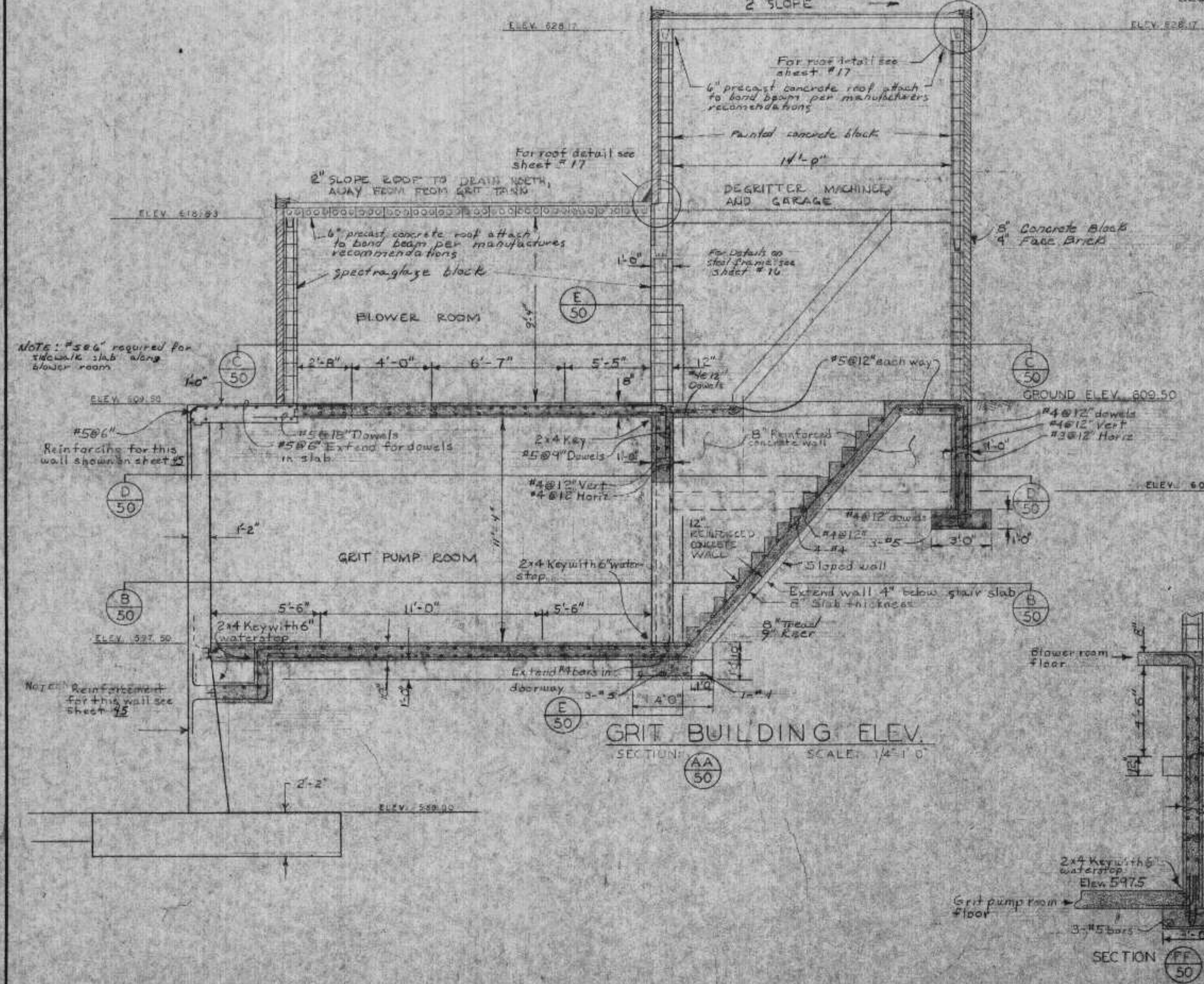
GRIT PUMP ROOM FLOOR  
SECTION BB 50 SCALE: 1/4" = 1'-0"



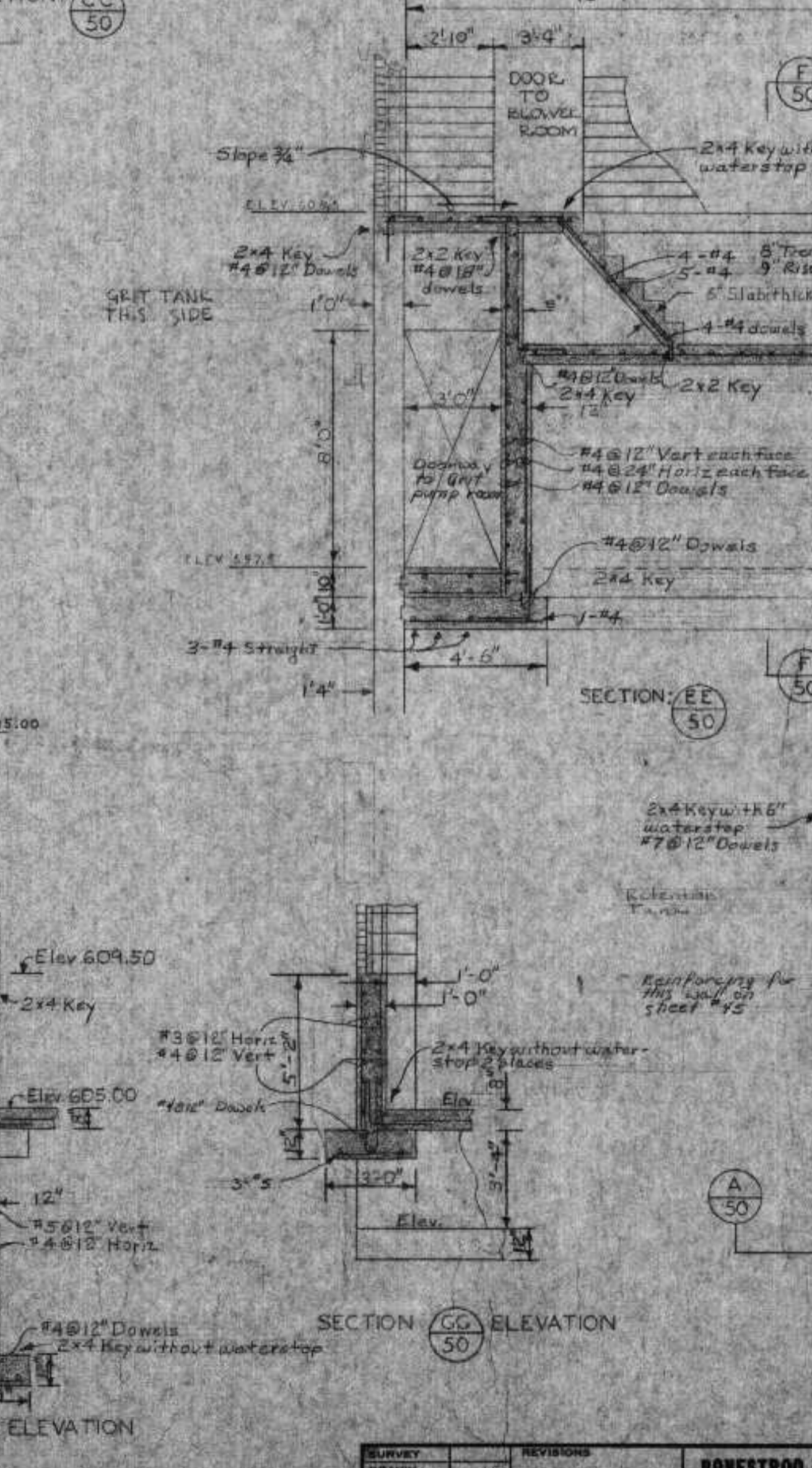
BLOWER ROOM FLOOR  
SECTION CC 50



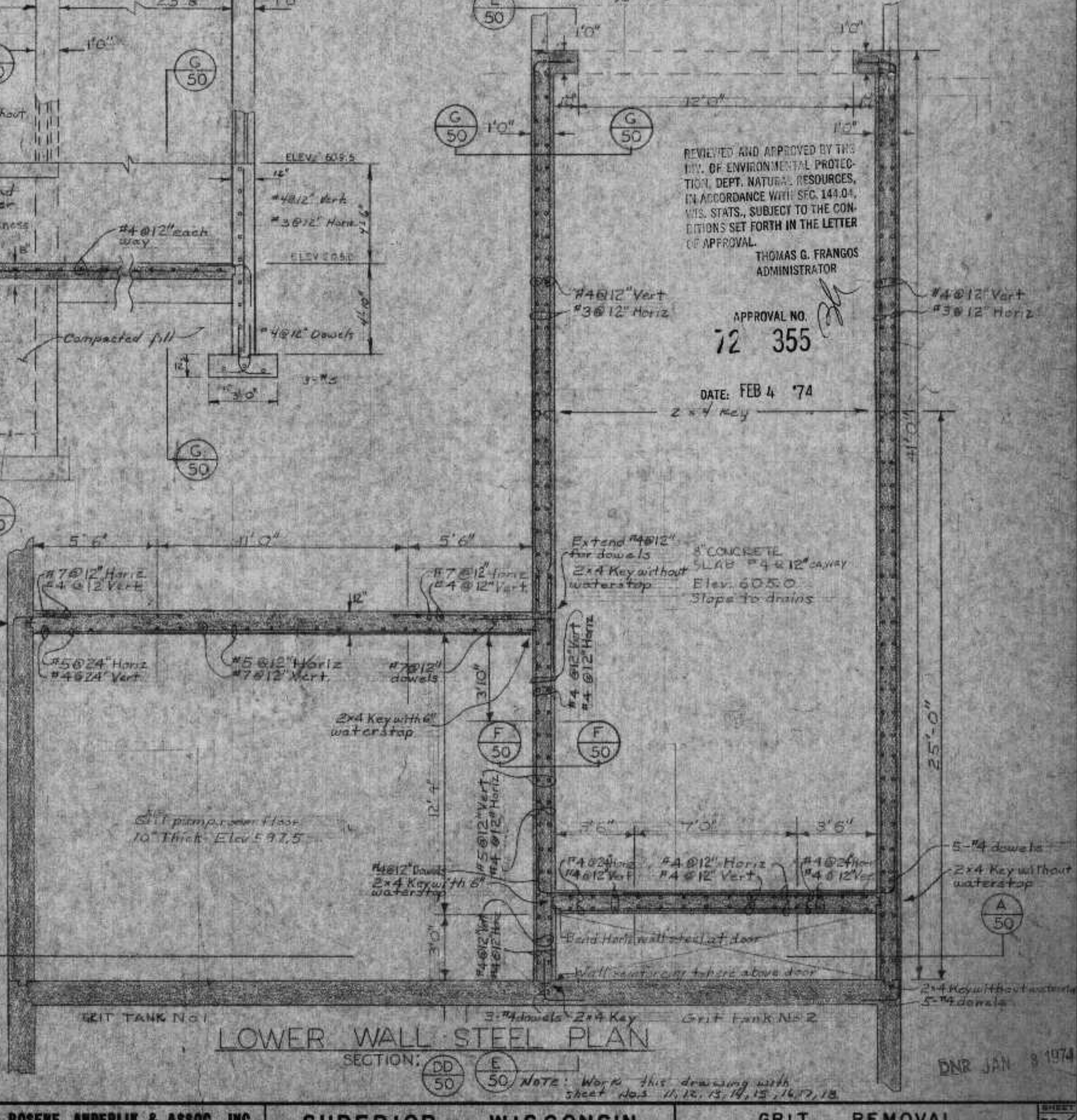
GRIT BUILDING ROOF PLAN  
SCALE: 1/4" = 1'-0"



GRIT BUILDING ELEV.  
SECTION AA 50 SCALE: 1/4" = 1'-0"



SECTION DD 50 ELEVATION



LOWER WALL STEEL PLAN  
SECTION EE 50

REVIEWED AND APPROVED BY THE  
DIV. OF ENVIRONMENTAL PROTECTION,  
DEPT. NATURAL RESOURCES,  
IN ACCORDANCE WITH SEC. 14.01,  
WIS. STATS., SUBJECT TO THE CONDITION  
SET FORTH IN THE LETTER OF APPROVAL.  
THOMAS G. FRANGOS  
ADMINISTRATOR

APPROVAL NO.  
**72 355**

DATE: FEB 4 '74

SURVEY	REVISIONS

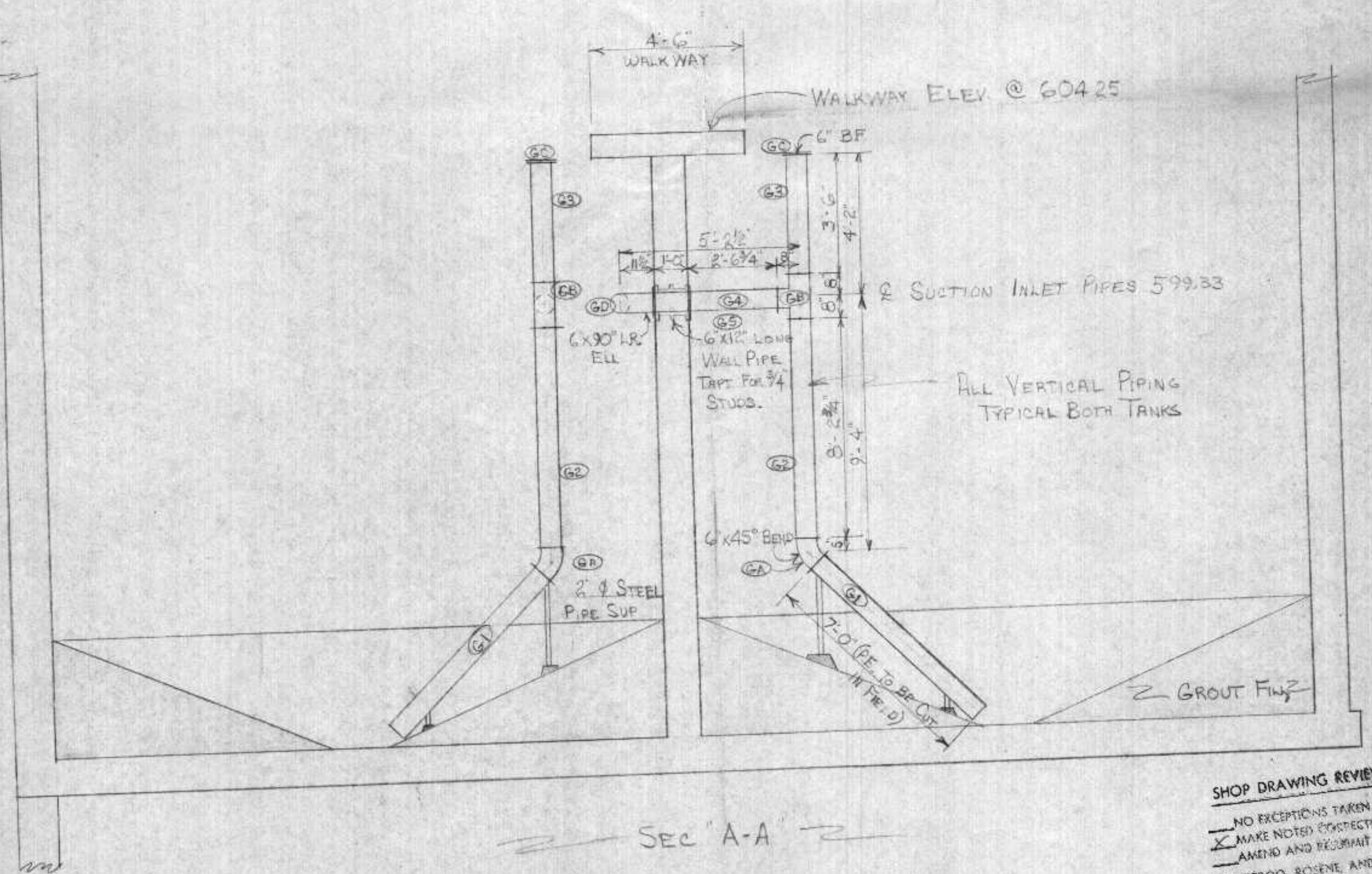
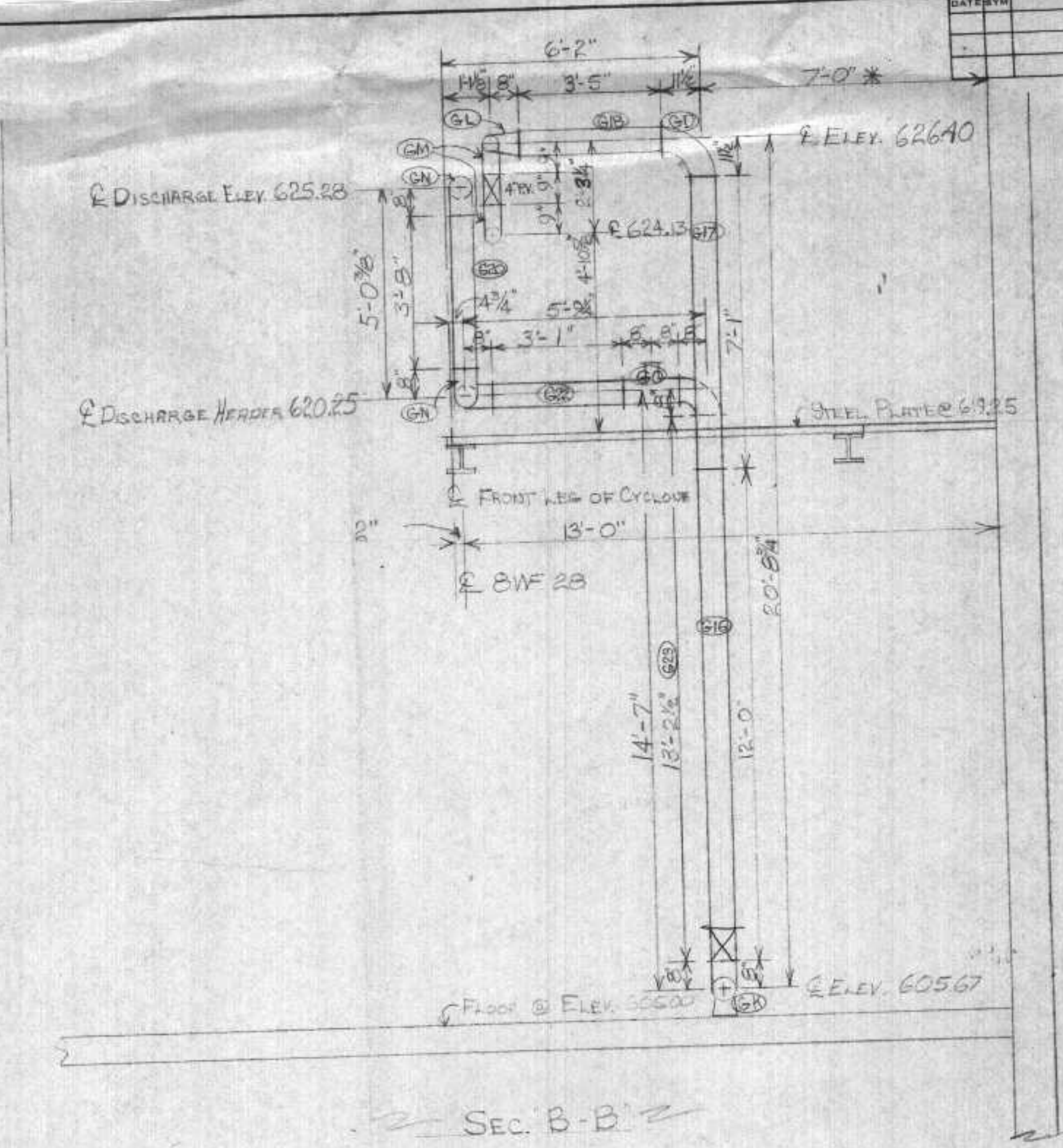
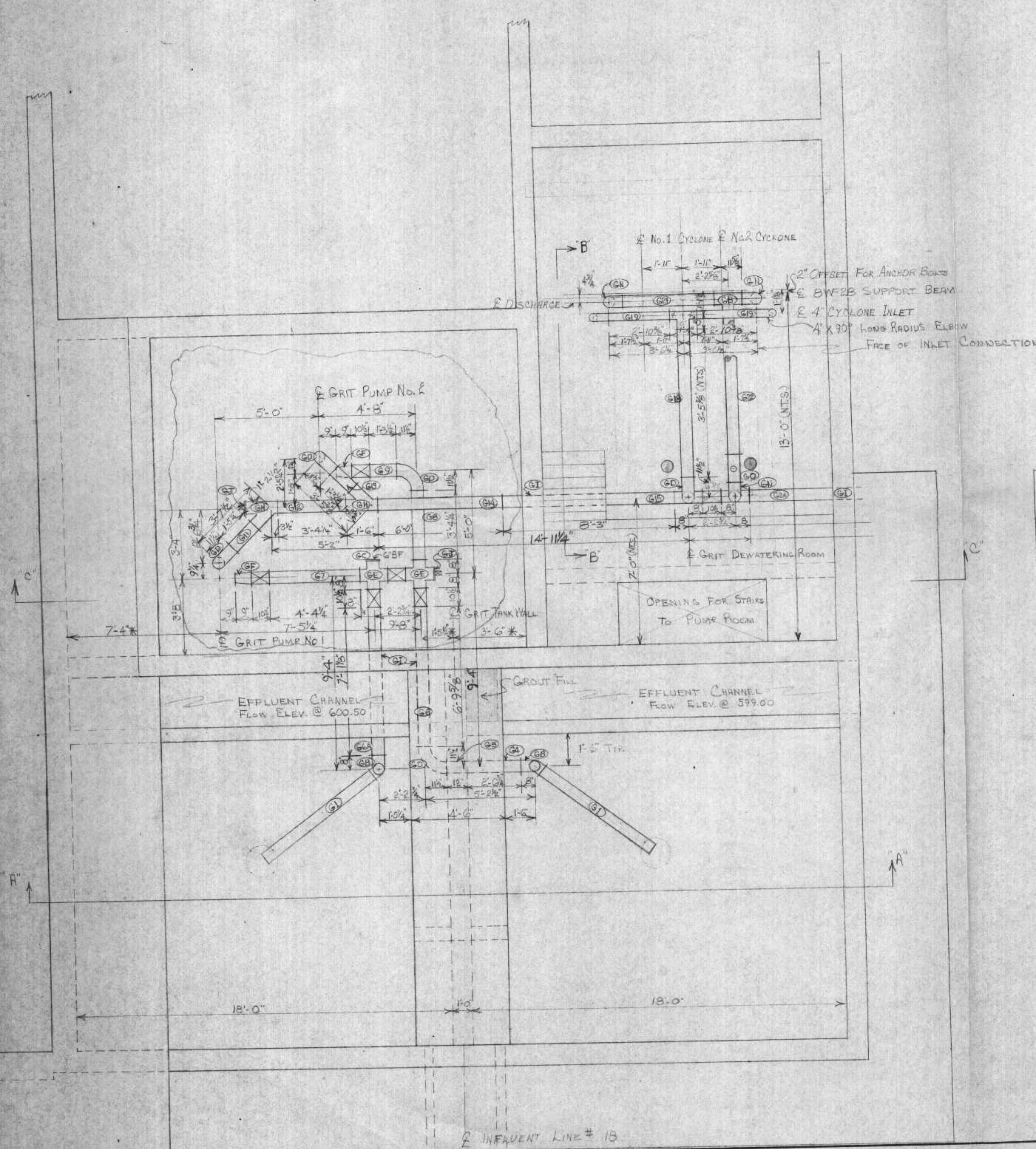
**BONESTRO, ROSENE, ANDERLIK & ASSOC., INC.**  
ST. PAUL, MINNESOTA

**SUPERIOR, WISCONSIN**  
DATE: FEBRUARY 2, 1971  
COMM. 6885A

**GRIT REMOVAL BASINS & BLDG**  
DNR JAN 8 1974  
50/84



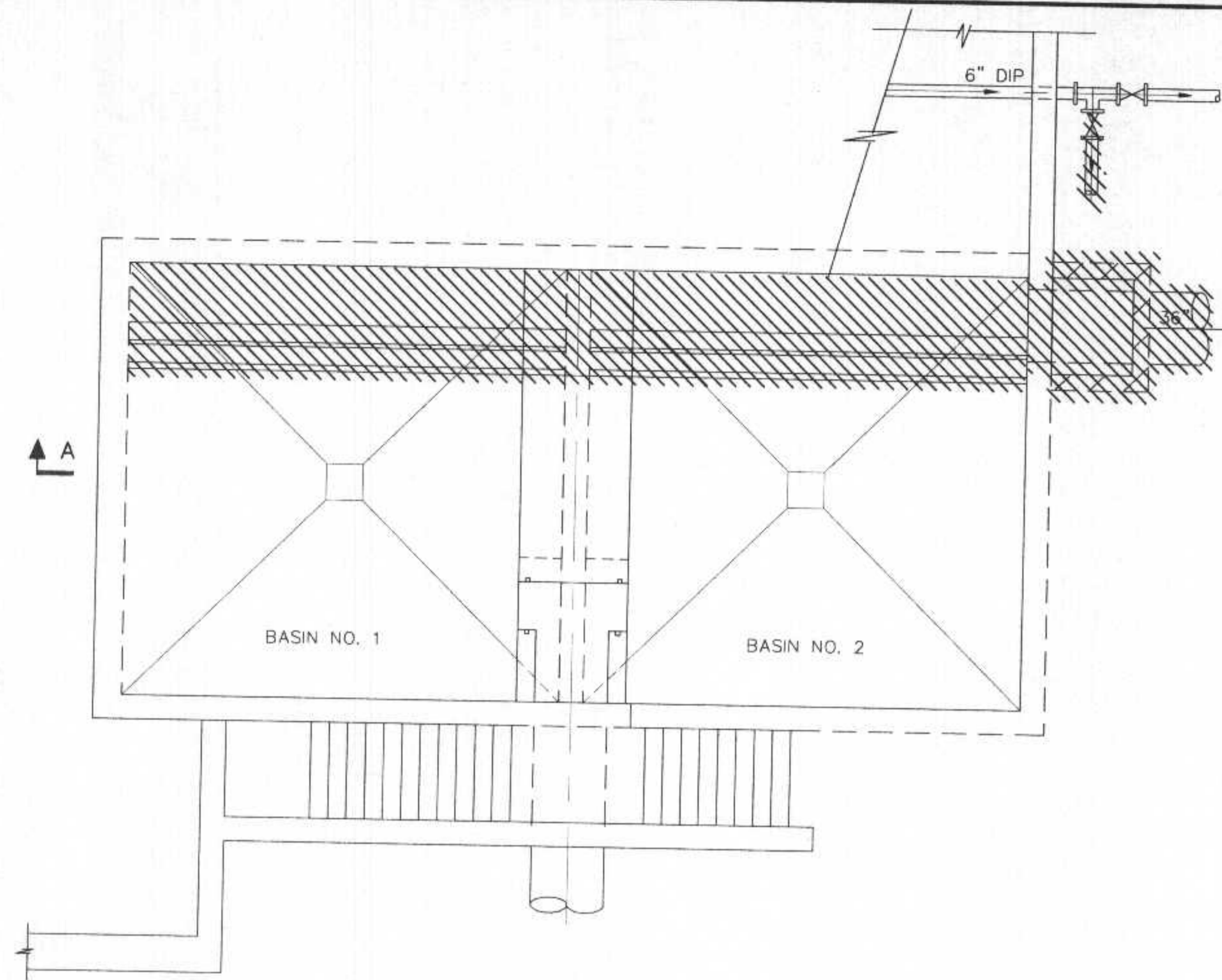
DATE	REVISION	RECORD	DR	CR



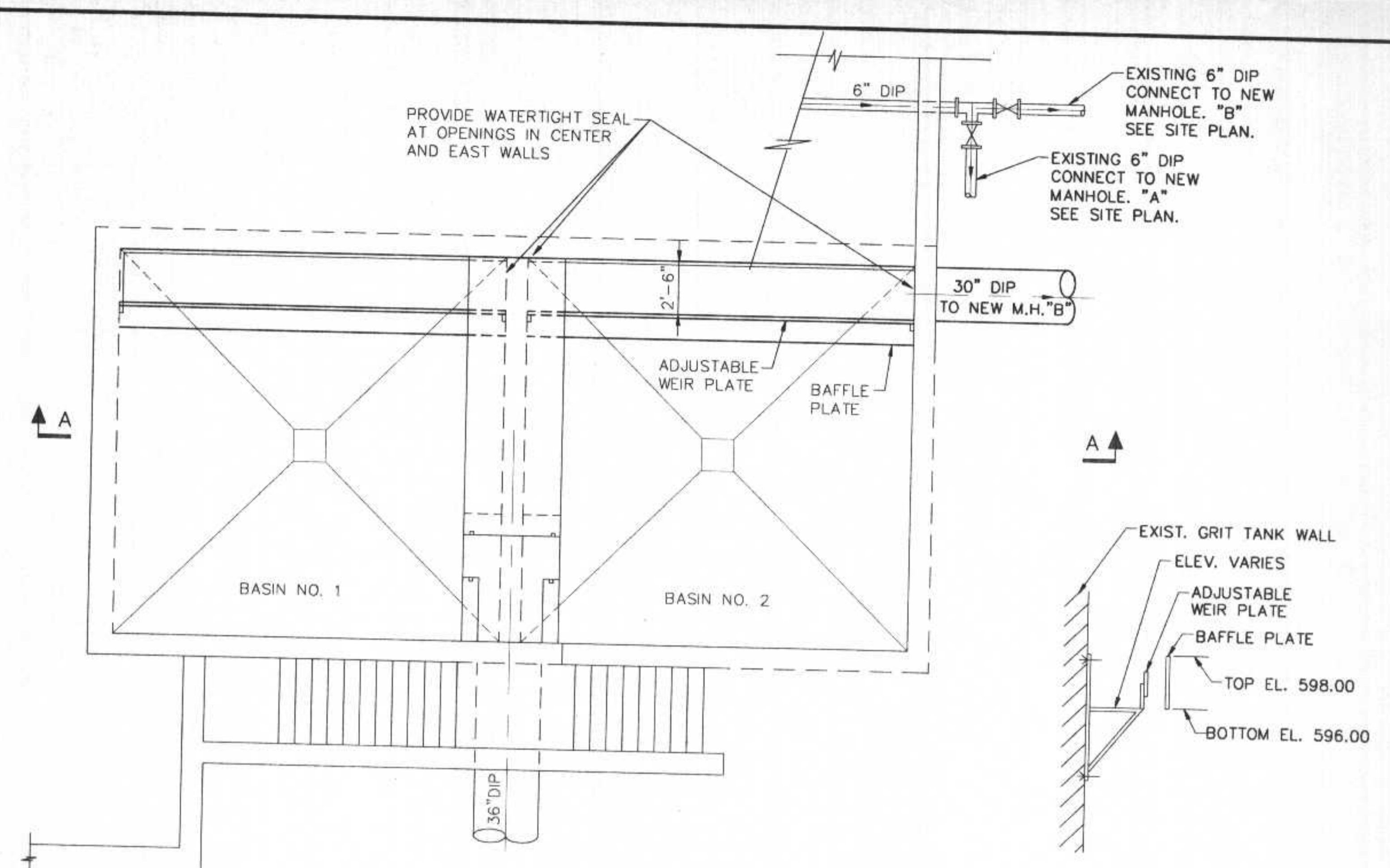
SHOP DRAWING REVIEW  
 NO EXCEPTIONS TAKEN  
 MAKE NOTED EXCEPTIONS  
 AMEND AND RE-SUBMIT  
 BONESTROUD, ROSENE, AMERIKER  
 & ASSOCIATES, INC.  
 Date 10/10/74 by RST

TOLERANCES (EXCEPT AS NOTED)	JOHNSON BROS. HVR. & HVC CONSTRUCTORS INC.	
DECIMAL	SCALE 3/8"=1'-0"	DRAWN BY JLV
FRACTIONAL	TITLE GRIT BUILDING PROCESS PIPING LAYOUT	APPROVED BY
ANGULAR	DATE 10-18-74	DRAWING NUMBER GRIT #1

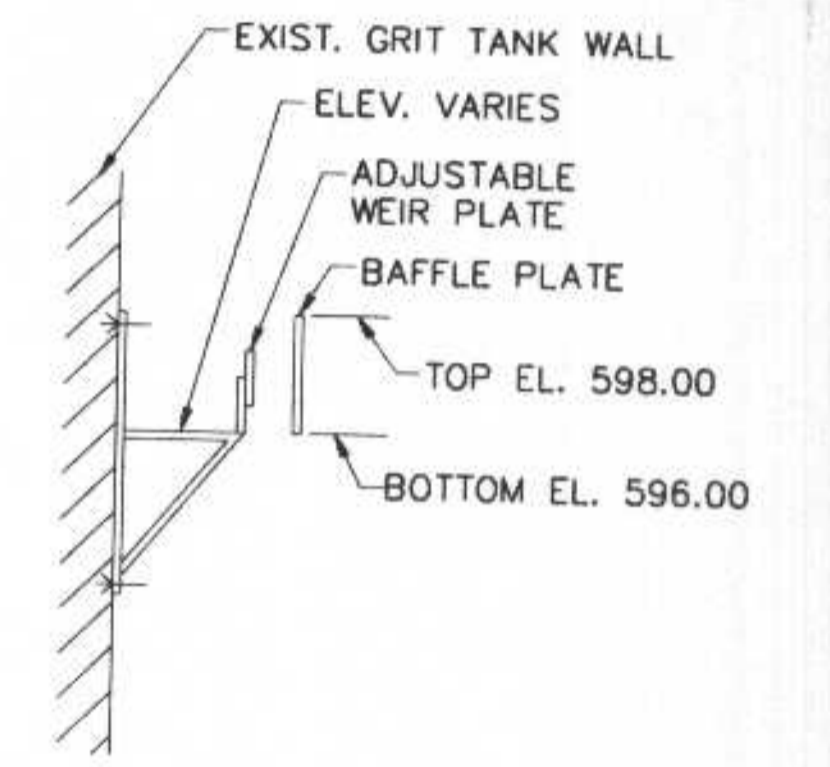




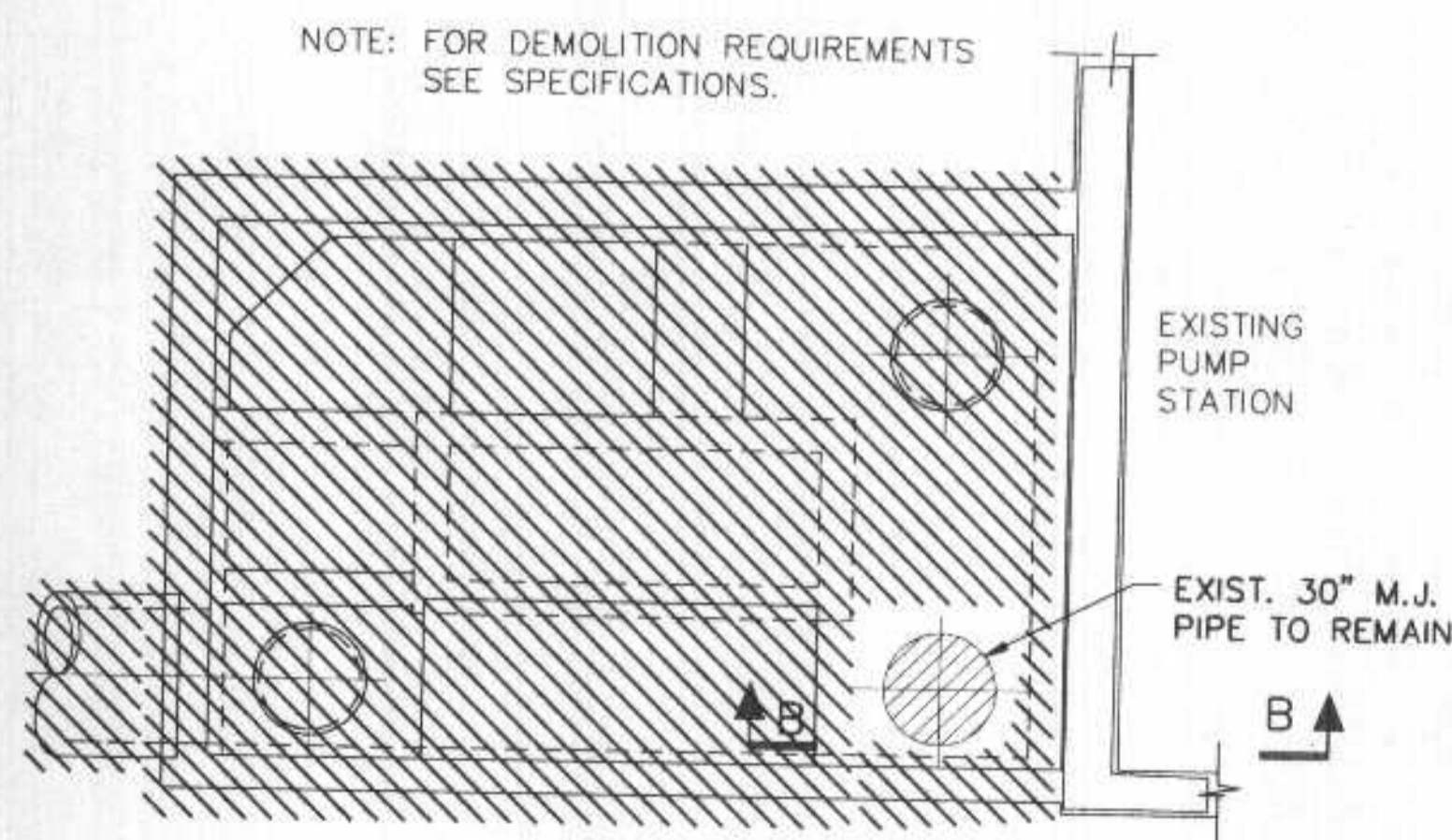
GRIT TANKS  
PLAN - DEMOLITION



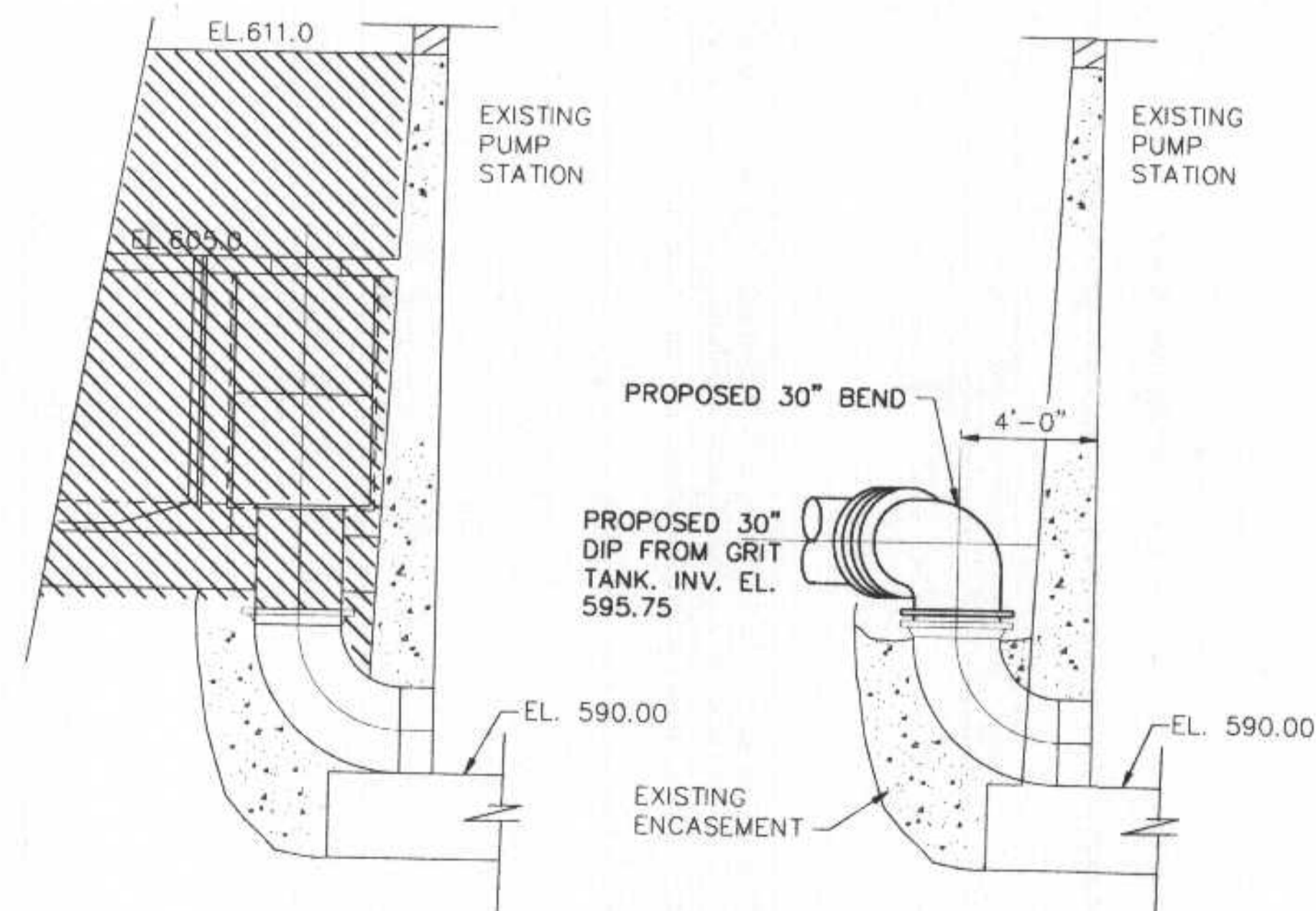
GRIT TANKS  
PLAN - MODIFICATION



TYPICAL TROUGH SECTION

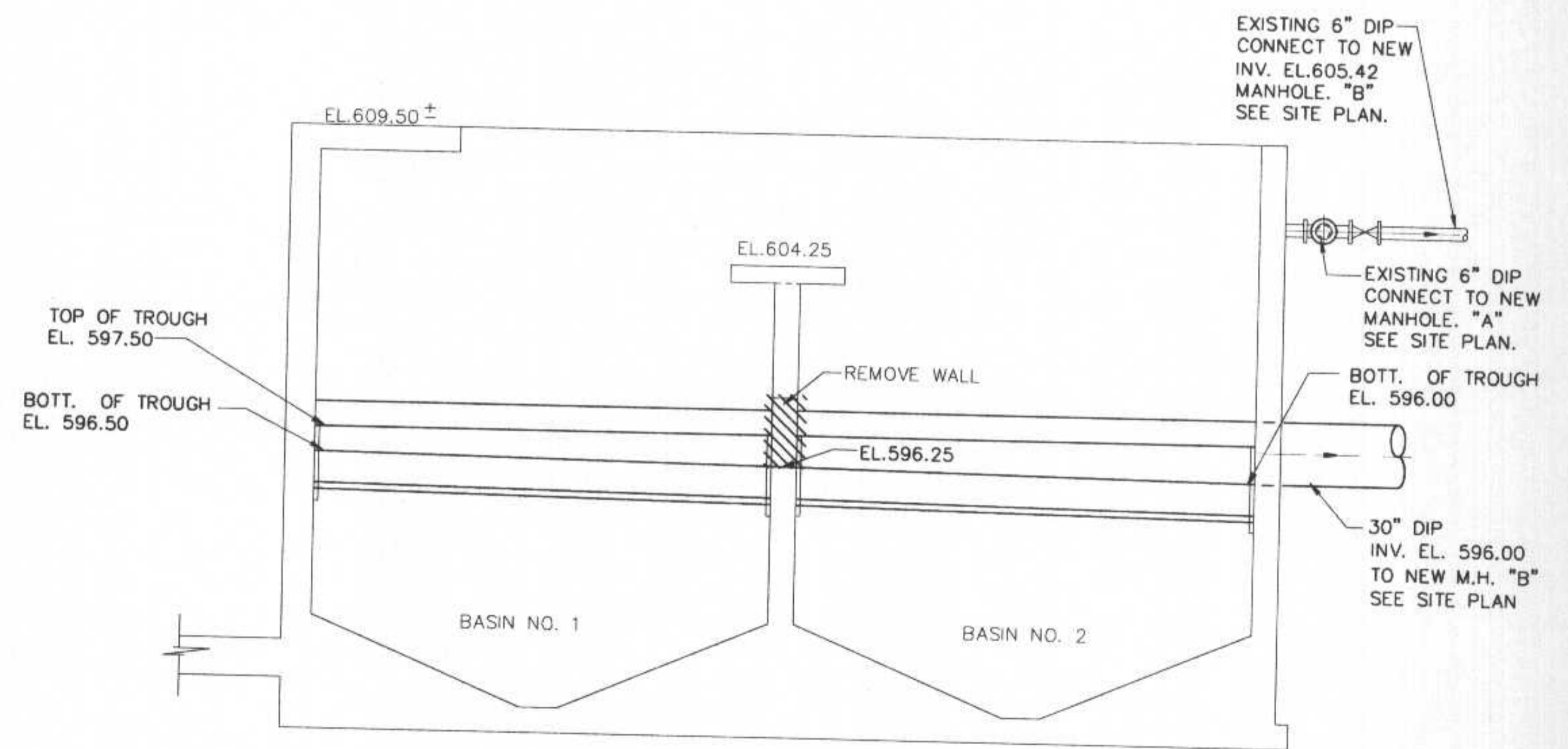


BARMINUTOR  
PLAN - DEMOLITION



SECTION B-B DEMOLITION

SECTION B-B MODIFICATION



GRIT TANKS  
SECTION A-A

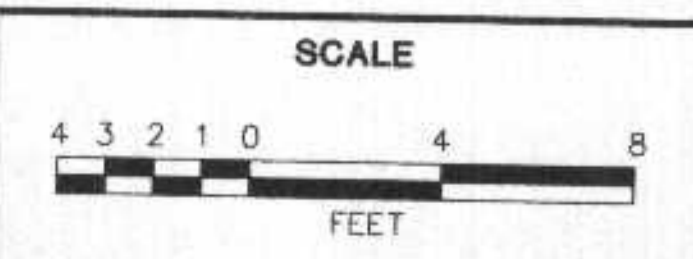
LEGEND

- NEW PIPING, EQUIPMENT AND STRUCTURES
- EXISTING PIPING, EQUIPMENT AND STRUCTURES
- EXISTING PIPING, EQUIPMENT AND STRUCTURES TO BE REMOVED

3/1/89-03/PLANT/3-09/13/1994 @ 1:40 P.M. by AC28

NO.	DATE	DESCRIPTION	APPROVED
REVISIONS			

DESIGNED - TN  
 DRAWN - LED - PN  
 CHECKED -  
 DATE - APRIL, 1994



DEPARTMENT OF PUBLIC WORKS  
CITY OF SUPERIOR, WISCONSIN



GRIT TANKS - DEMOLITION AND MODIFICATION  
 PLANS AND SECTION  
 BARMINUTOR STRUCTURE - DEMOLITION AND  
 MODIFICATION PLAN AND SECTIONS

SHEET 1P5  
 OF 5 SHEETS  
 RECORD MAP NO.  
 CT&A PROJECT NO. 3899-00