

TRIM LINE 7

WATER POLLUTION CONTROL PLANT

40664

DETENTION CAMP N° 18, BARLEY FLATS

SHEET	INDEX TO PLANS TITLE
1	TITLE SHEET, SITE PLAN, INDEX
2	COLLECTOR SEWER
3	GRADING, PIPING, DETAILS
4	TREATMENT TANK
5	MECHANICAL EQUIPMENT DETAILS
6	CHLORINE CONTACT CHAMBER
7	EQUIPMENT BUILDING
8	ELECTRICAL EQUIPMENT
9	FORCE MAIN TO RESERVOIR
10	IRRIGATION TANK & SPRAY AREA

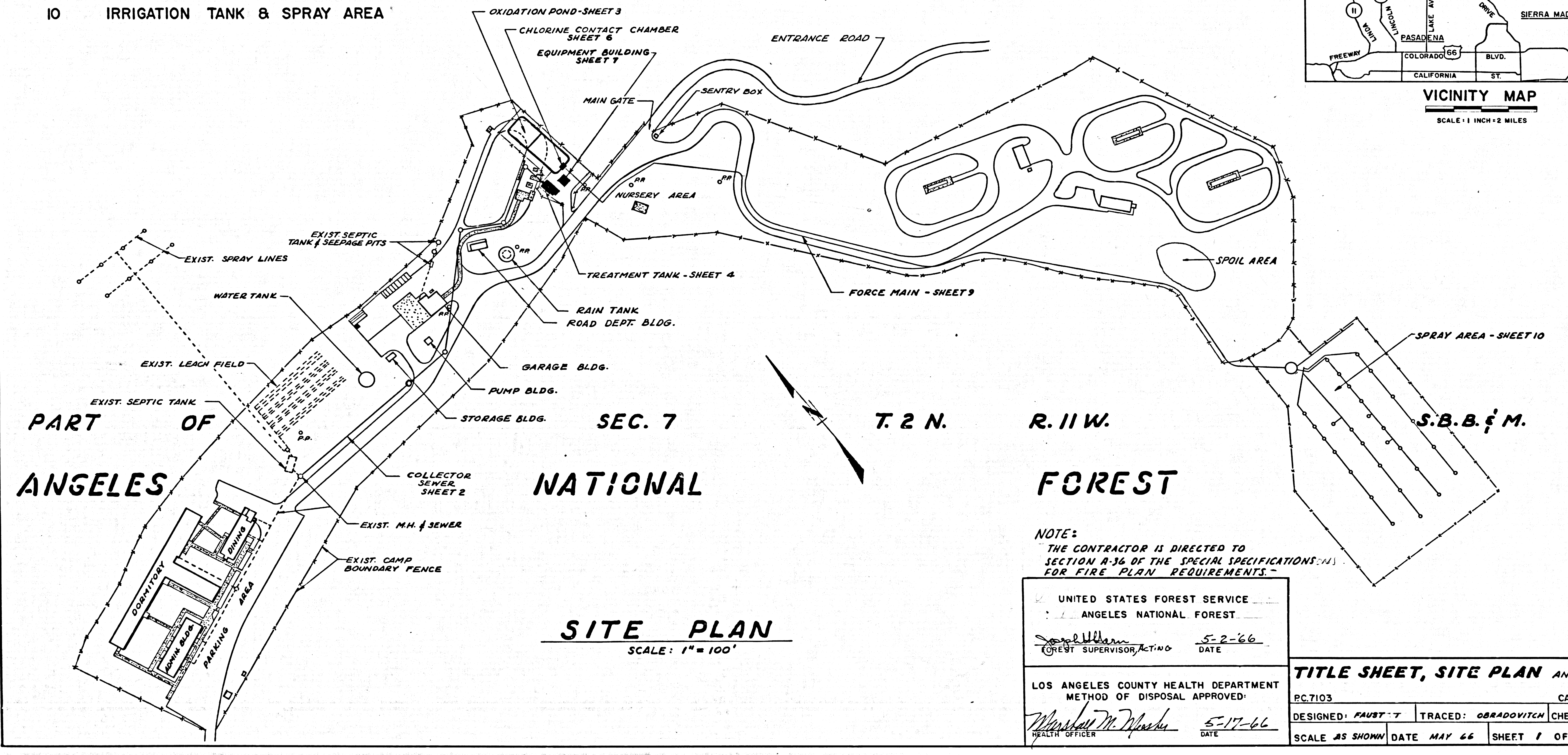
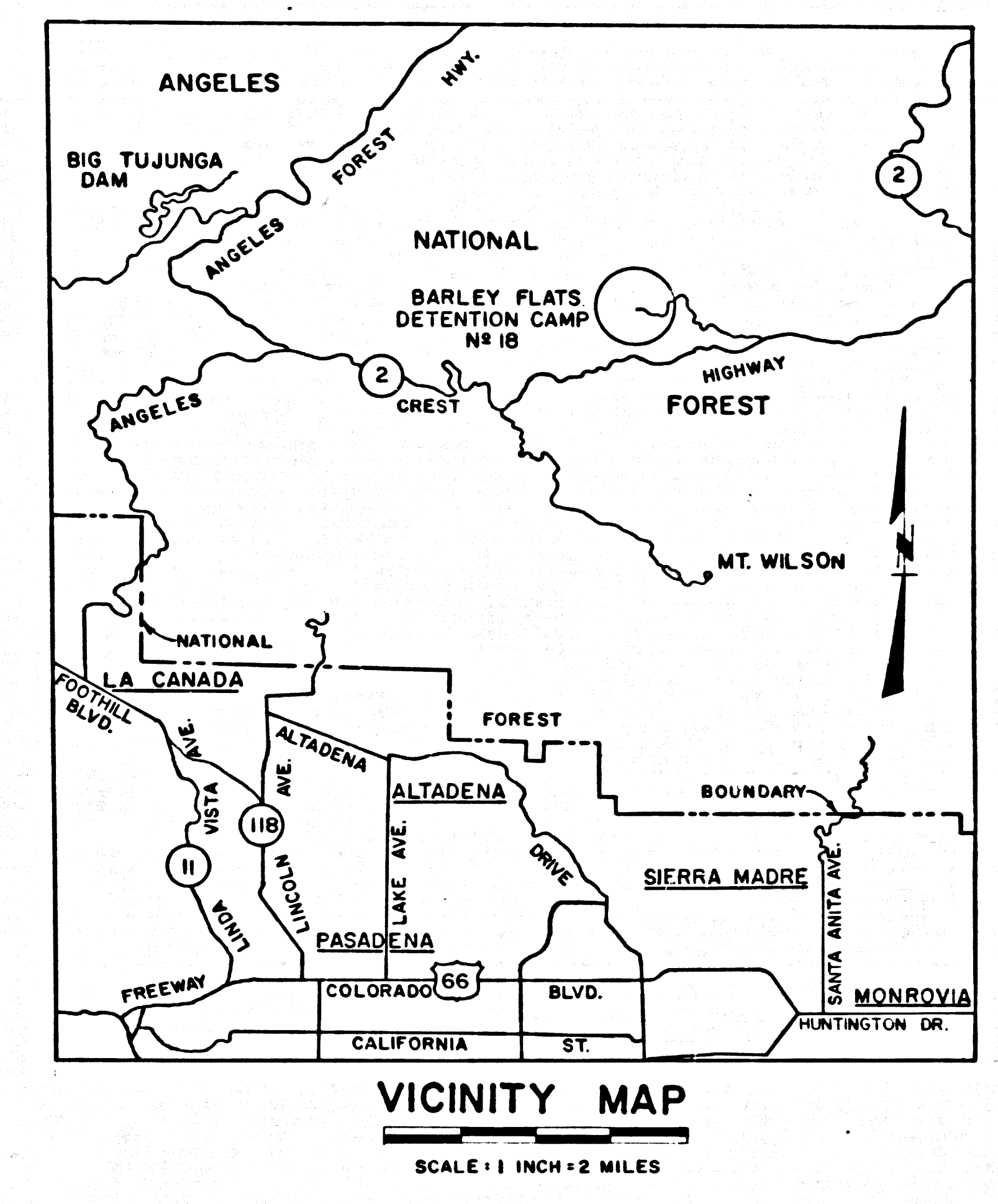
PLANS PREPARED
BY THE
DEPARTMENT OF THE COUNTY ENGINEER
SANITATION DIVISION
COUNTY OF LOS ANGELES, CALIFORNIA
JOHN A. LAMBIE
COUNTY ENGINEER

SUBMITTED: Rudolph W. Malinski
CIVIL ENGINEER R.E. 14390

APPROVED: C. H. Hughes
DIVISION ENGINEER

APPROVED: [Signature] S.D.
SHERIFF'S DEPARTMENT

DATE: 5/21/66



NOTE:
THE CONTRACTOR IS DIRECTED TO
SECTION A-36 OF THE SPECIAL SPECIFICATIONS (11)
FOR FIRE PLAN REQUIREMENTS.

UNITED STATES FOREST SERVICE
ANGELES NATIONAL FOREST

[Signature] 5-2-66
FOREST SUPERVISOR ACTING DATE

LOS ANGELES COUNTY HEALTH DEPARTMENT
METHOD OF DISPOSAL APPROVED:

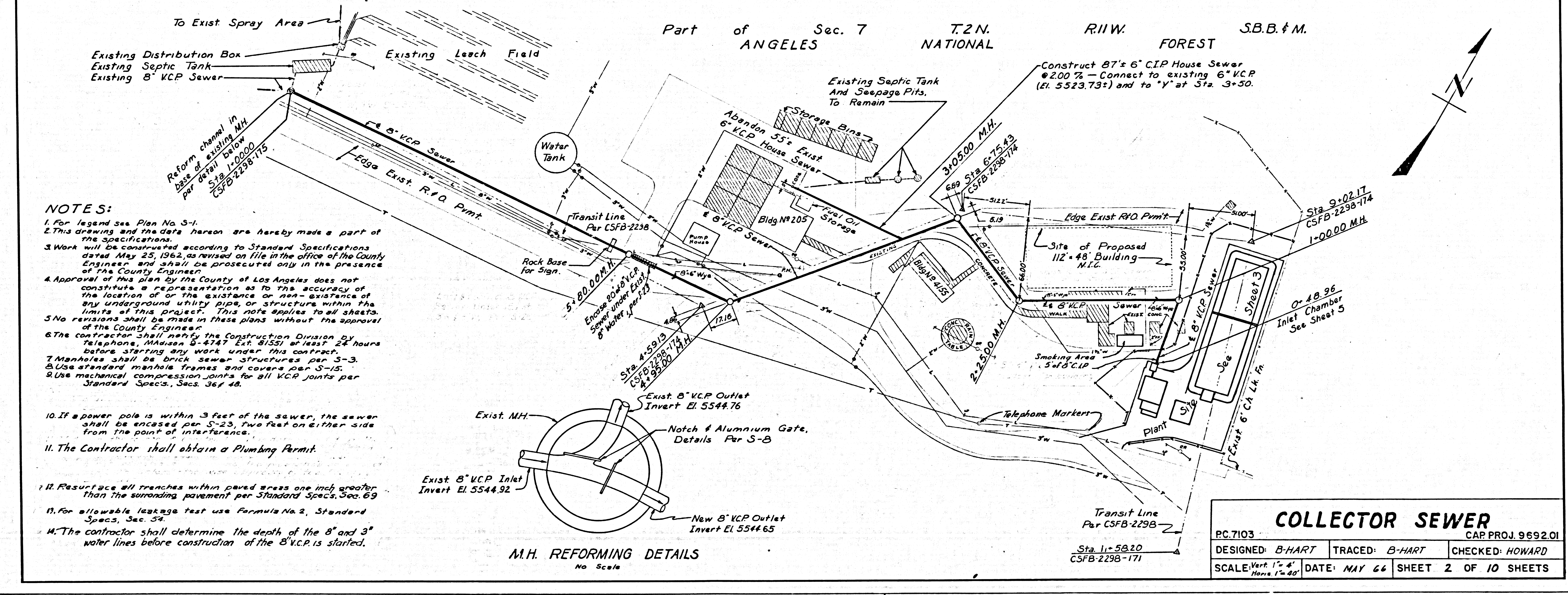
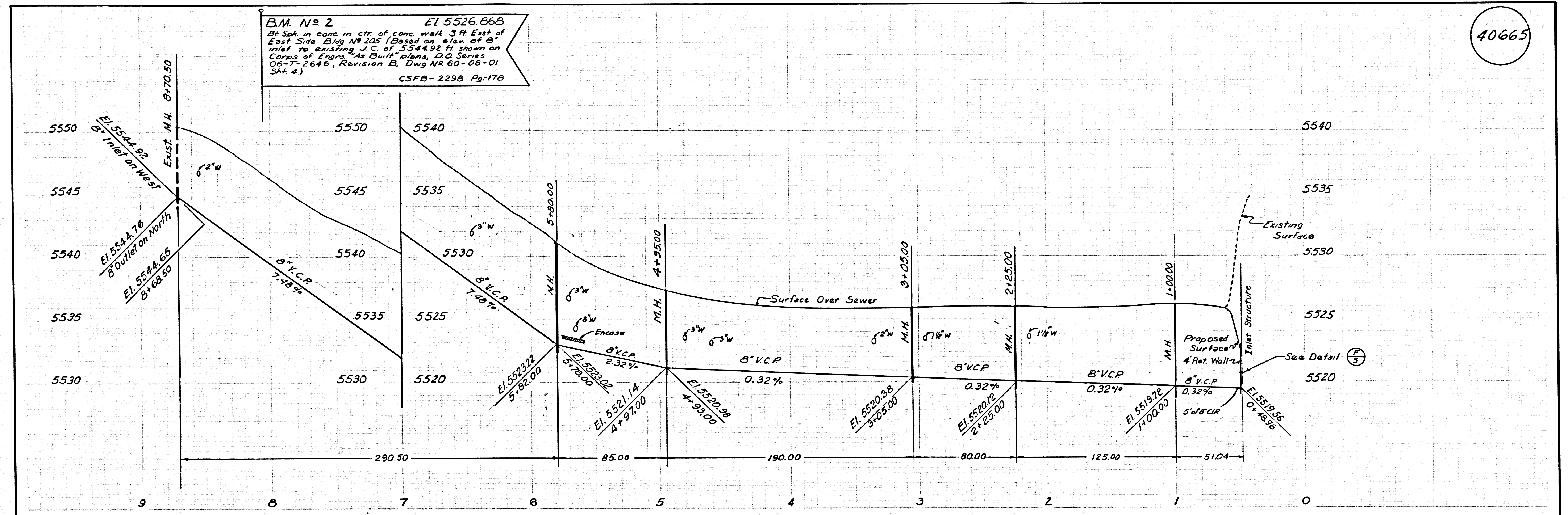
[Signature] 5-17-66
HEALTH OFFICER DATE

TITLE SHEET, SITE PLAN AND INDEX		
PC.7103	CAP PROJ. 9692.01	
DESIGNED: FAUST T	TRACED: OBRADOVICH	CHECKED: HOWARD
SCALE AS SHOWN	DATE MAY 66	SHEET 1 OF 10 SHEETS

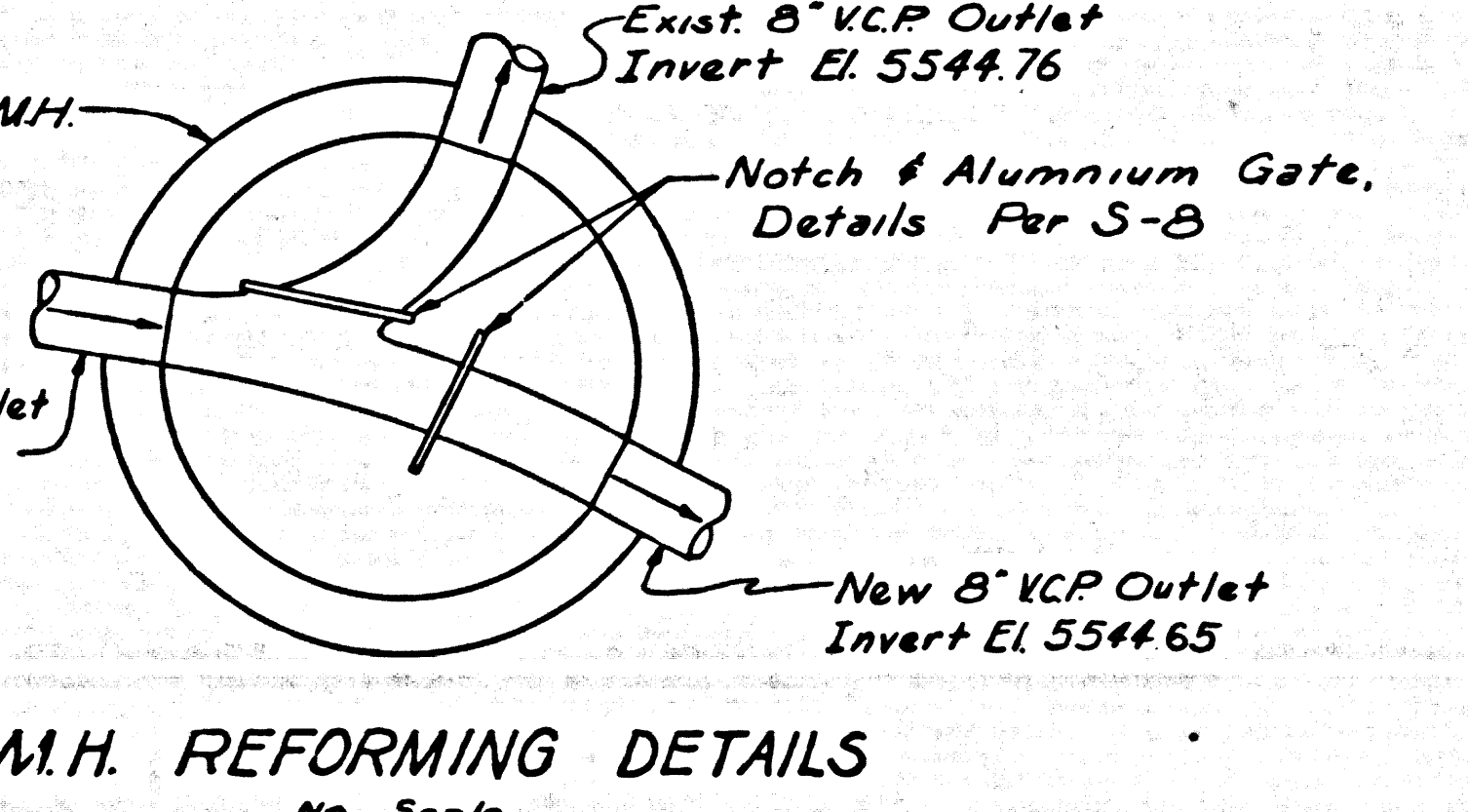
TRIM LINE 7

U.S. GEOLOGICAL SURVEY DETENTION CAMP NO. 18 TRIM LINE 7

40665



- NOTES:**
1. For legend see Plan No. S-1.
 2. This drawing and the data hereon are hereby made a part of the specifications.
 3. Work will be constructed according to Standard Specifications dated May 25, 1962, as revised on file in the office of the County Engineer and shall be prosecuted only in the presence of the County Engineer.
 4. Approval of this plan by the County of Los Angeles does not constitute a representation as to the accuracy of the location of or the existence or non-existence of any underground utility pipe, or structure within the limits of this project. This note applies to all sheets.
 5. No revisions shall be made in these plans without the approval of the County Engineer.
 6. The contractor shall notify the Construction Division by telephone, Museum 9-4747 Ext. 81551 at least 24 hours before starting any work under this contract.
 7. Manholes shall be brick sewer structures per S-3.
 8. Use standard manhole frames and covers per S-15.
 9. Use mechanical compression joints for all VCP joints per Standard Specs., Secs. 36 & 48.
 10. If a power pole is within 3 feet of the sewer, the sewer shall be encased per S-25, two feet on either side from the point of interference.
 11. The Contractor shall obtain a Plumbing Permit.
 12. Resurface all trenches within paved areas one inch greater than the surrounding pavement per Standard Specs., Sec. 69.
 13. For allowable leakage test use Formula No. 2, Standard Specs., Sec. 54.
 14. The contractor shall determine the depth of the 8" and 3" water lines before construction of the 8" VCP is started.

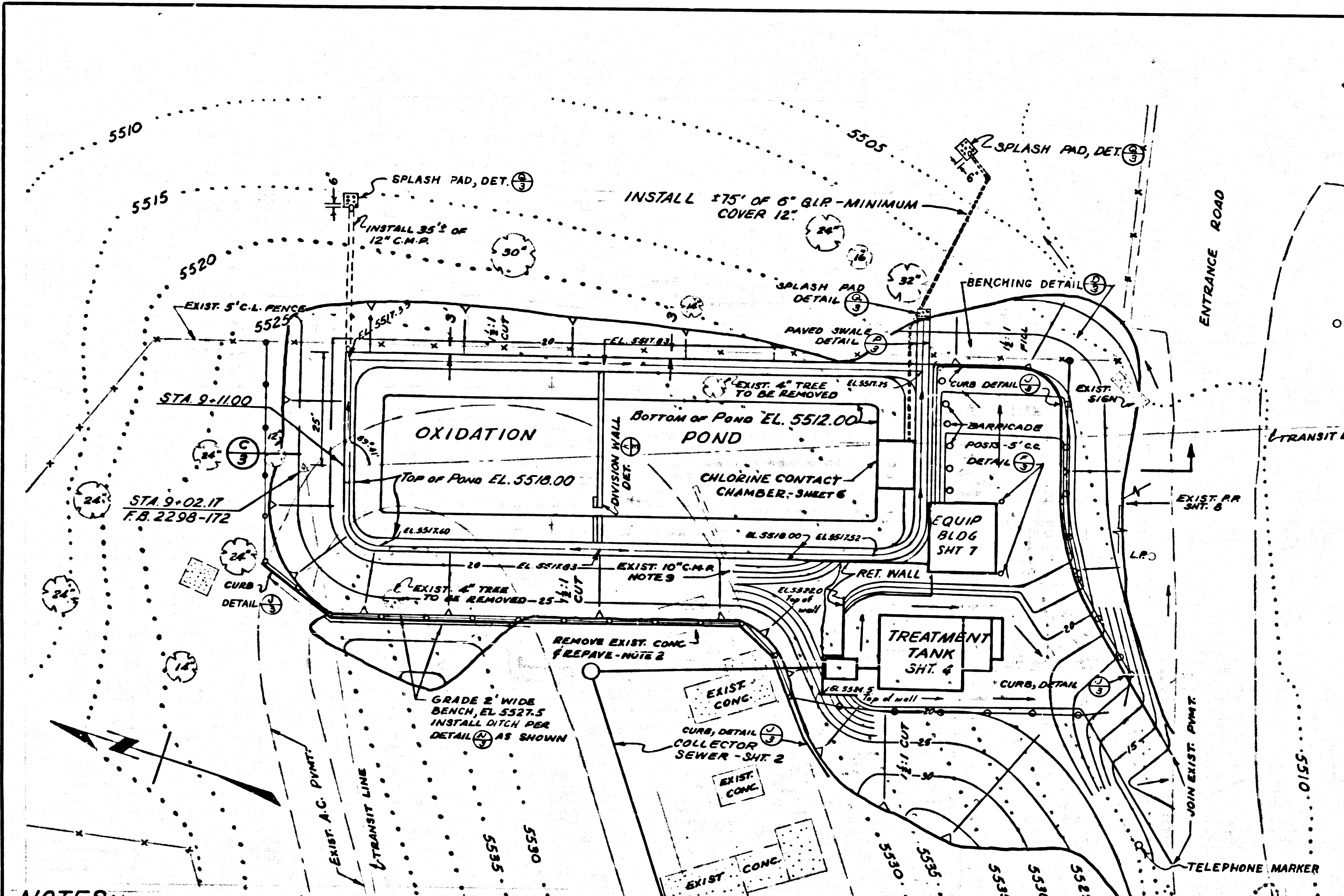


COLLECTOR SEWER

PC. 7103 CAP PROJ. 9692.01

DESIGNED: B-HART	TRACED: B-HART	CHECKED: HOWARD
SCALE: Vert. 1" = 4'	DATE: MAY 66	SHEET 2 OF 10 SHEETS

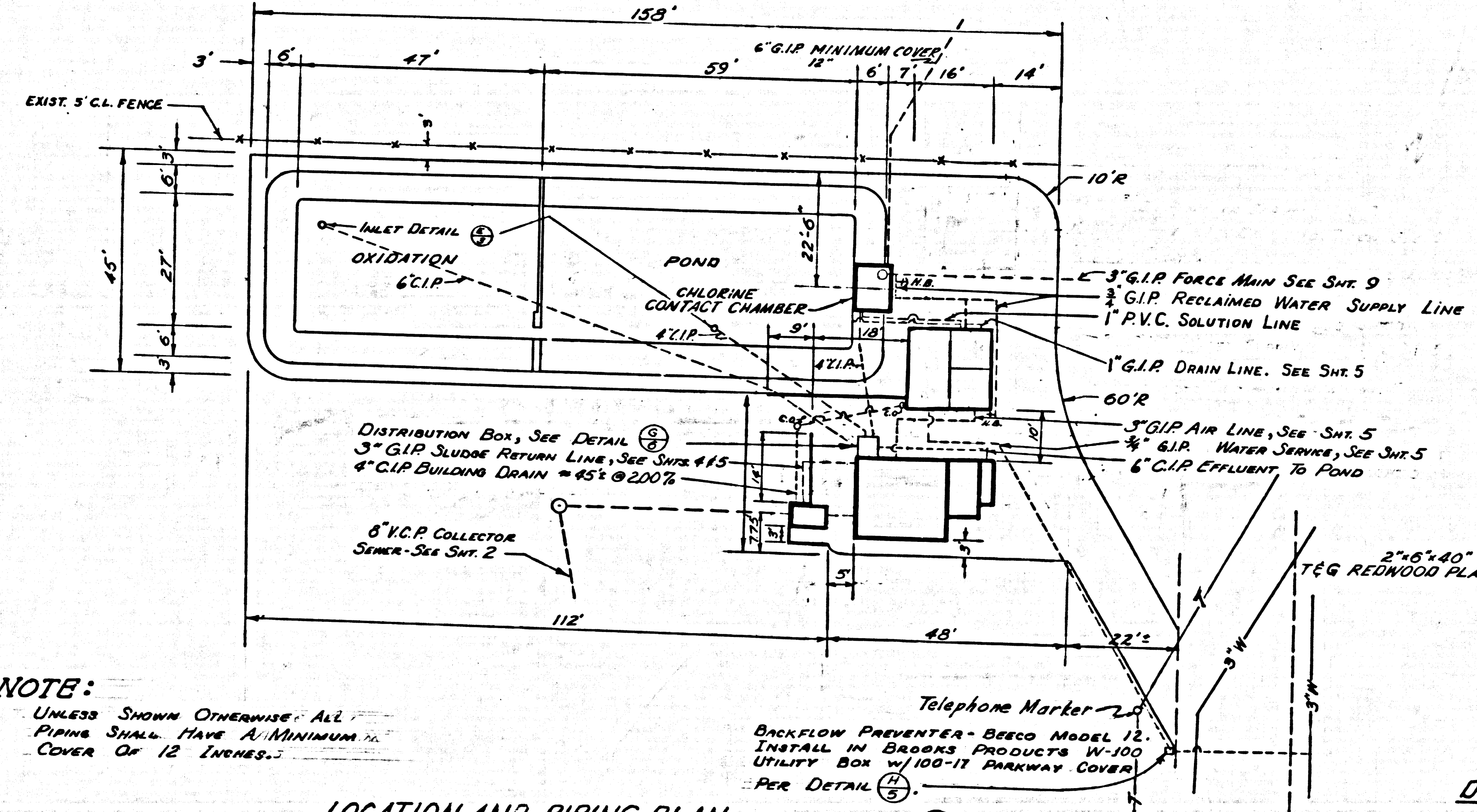
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- NOTES:**
1. REFERENCE: L.A. Co. Field Book 2298
 2. REMOVE PER SEC. 69 OF STANDARD SPEC'S
 3. NEW 3" R/O PAVEMENT SHALL BE MEDIUM MIX PER SEC. 73 OF STANDARD SPEC'S
 4. ALL FILL SHALL BE COMPACTED TO 90% OF MAXIMUM DRY DENSITY PER SEC. B-14 OF P.C. 7103 SPEC'S
 5. GUNITE POND PER SEC. B-17 OF P.C. 7103 SPEC'S
 6. REMOVE VEGETATION & SCRUBBY 6' BEFORE PLACING FILL. PRIOR TO PLACEMENT OF FILL, GRADING SHALL BE APPROVED BY COUNTY INSPECTOR.
 7. SLOPE PLANTING BY OTHERS
 8. CONTRACTOR SHALL PROVIDE FOR TRIBUTARY DRAINAGE AT ALL TIMES
 9. REMOVE EXIST. 10' C.M.P.; BACKFILL DITCH & INSTALL ROLLED CURB @ ALONG TOP OF CUT AS SHOWN
 10. NORTH SIDE OF EQUIPMENT BUILDING IS TO HAVE ITS FOOTING TO EXTEND ONE FOOT BEYOND TOP OF POND.

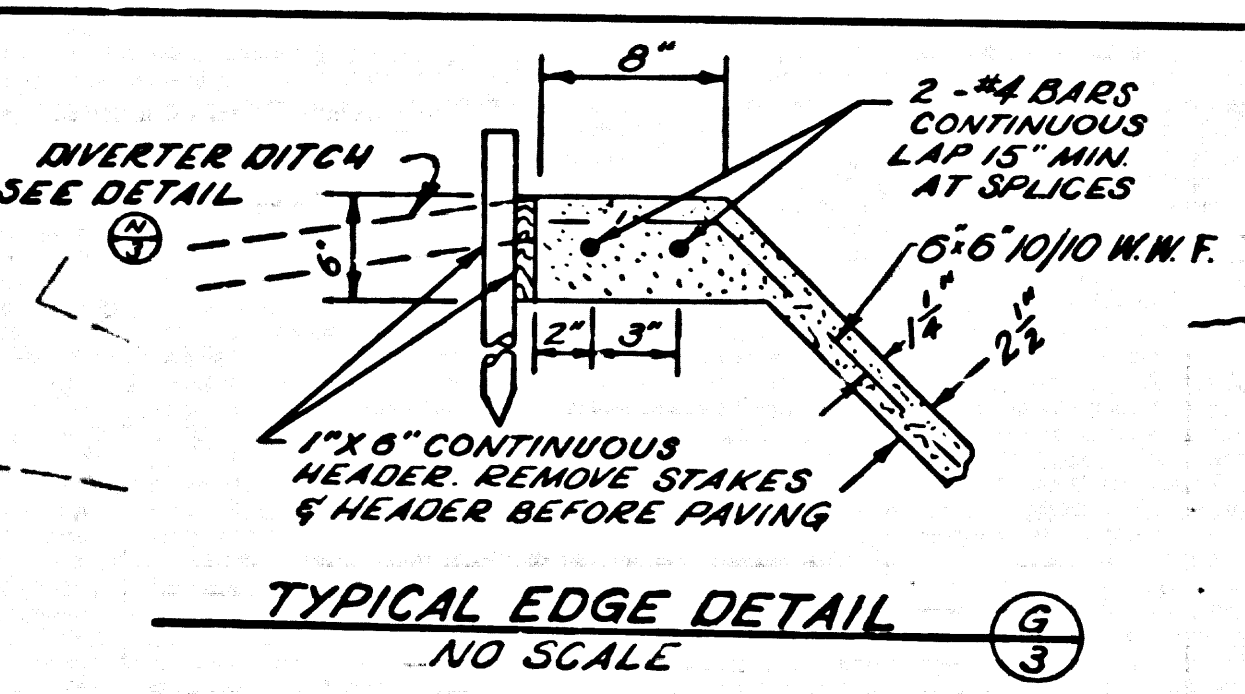
- LEGEND**
- EXIST. CONTOUR
 - SPOT ELEVATIONS
 - T.P.
 - FINISHED GRADE
 - SURVEY POINT
 - AREA TO BE PAVED
 - CLEANOUT IN YARD BOX
 - EXIST. TREES DO NOT REMOVE UNLESS SO NOTED
 - EXIST. 5" CHAIN LINK FENCE
 - PROPOSED 6" CHAIN LINK FENCE

GRADING AND PAVING PLAN
SCALE: 1"=20'

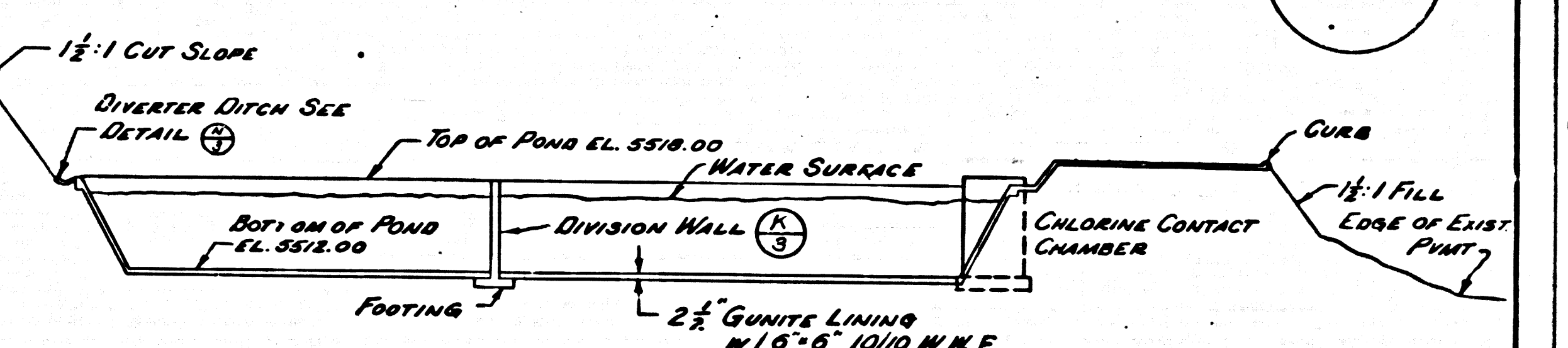


- NOTE:**
- UNLESS SHOWN OTHERWISE, ALL PIPING SHALL HAVE A MINIMUM COVER OF 12 INCHES.
- BACKFLOW PREVENTER - BECO MODEL 12. INSTALL IN BROOKS PRODUCTS W-100 UTILITY BOX W/100-11 PARKWAY COVER PER DETAIL 3

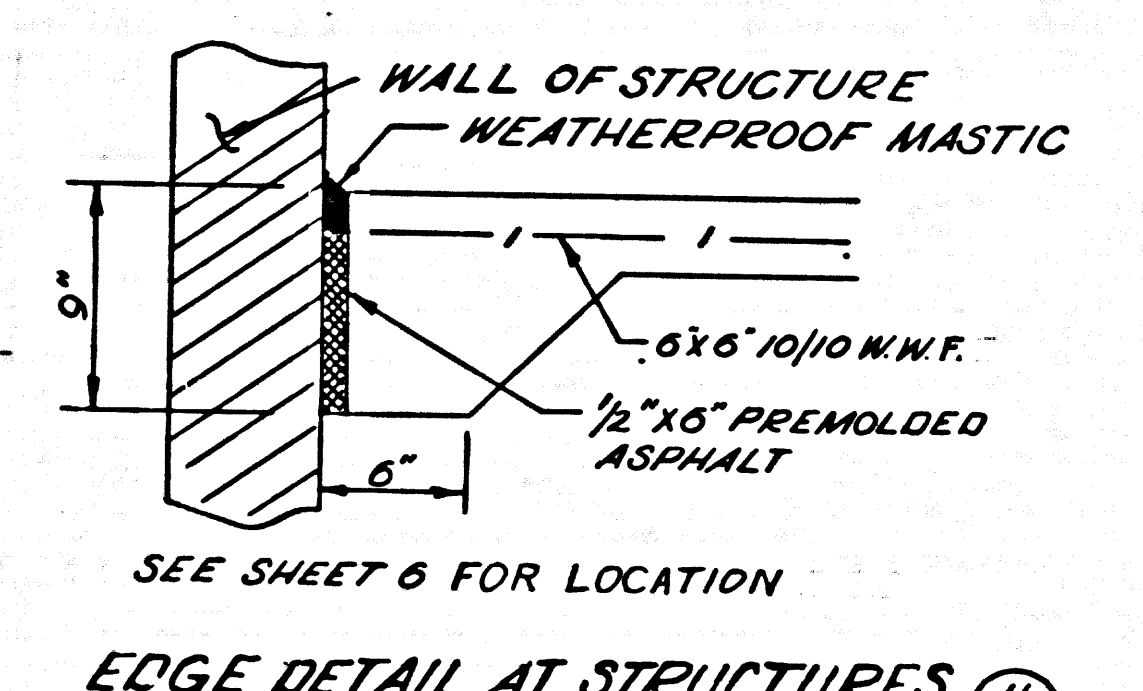
LOCATION AND PIPING PLAN
SCALE: 1"=20'



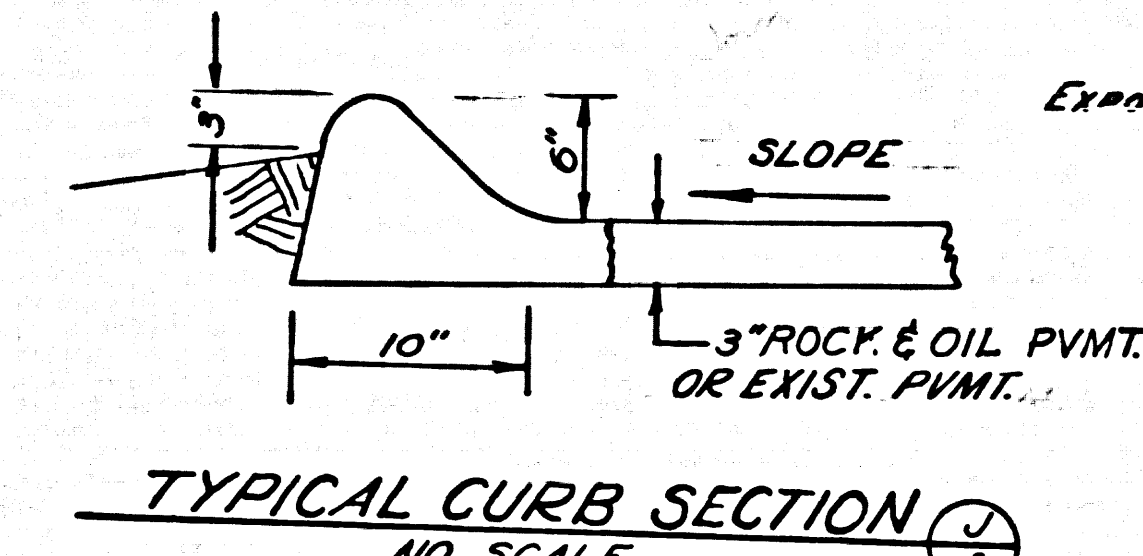
TYPICAL EDGE DETAIL
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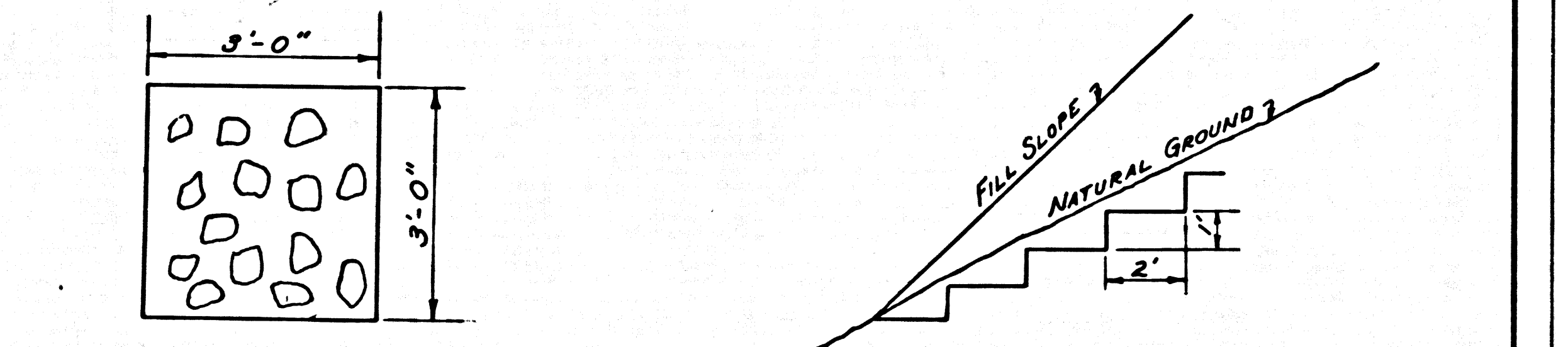
LONGITUDINAL SECTION
HORIZONTAL SCALE: 1"=20' VERTICAL SCALE: 1"=10'



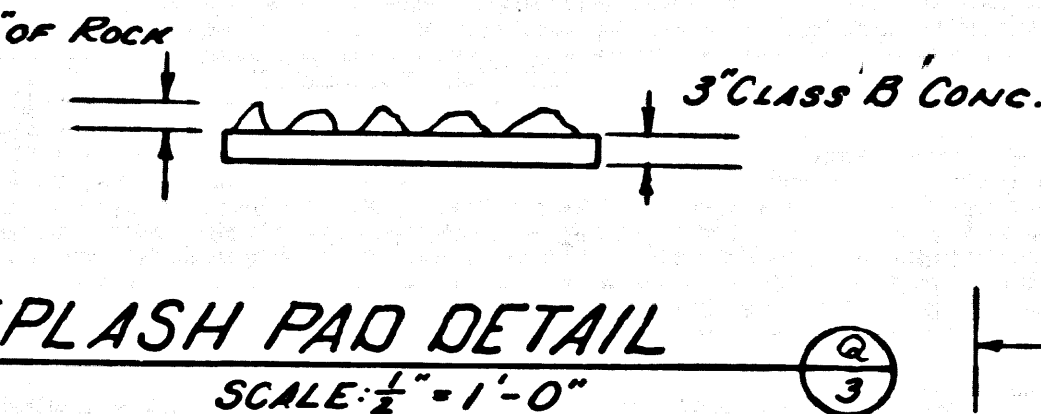
EDGE DETAIL AT STRUCTURES
NO SCALE



TYPICAL CURB SECTION
NO SCALE

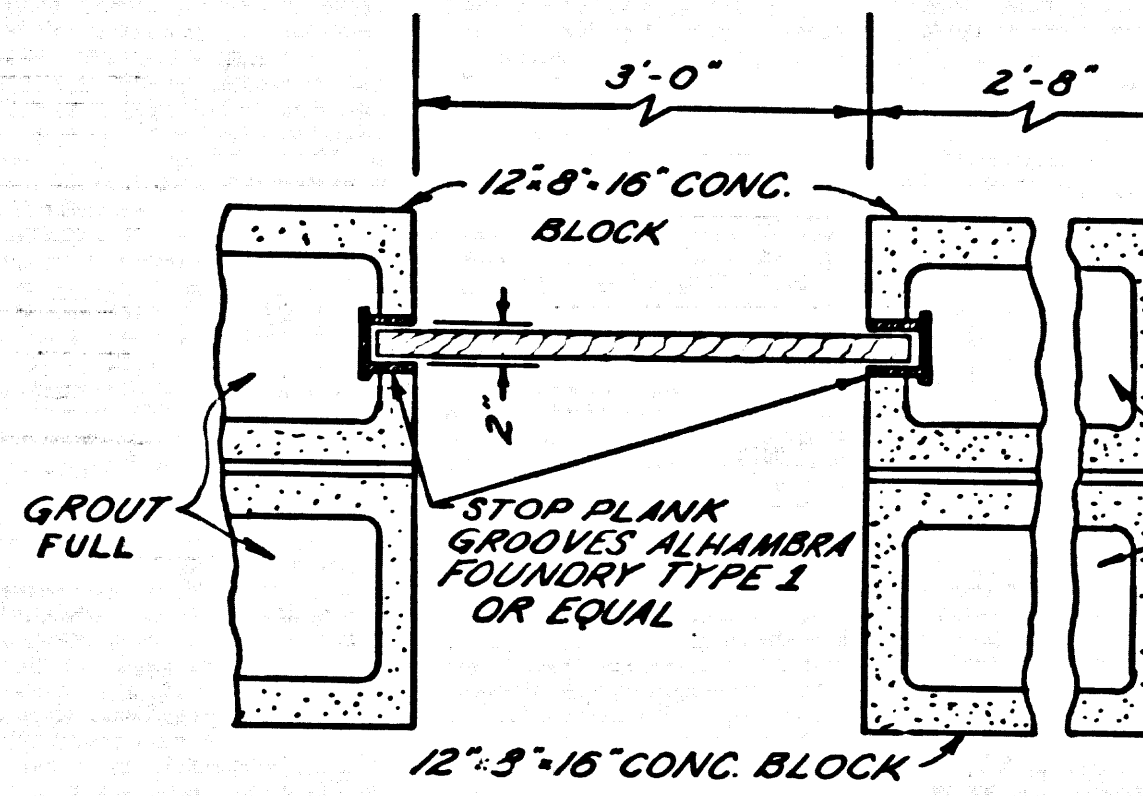


BENCHING DETAIL
NO SCALE

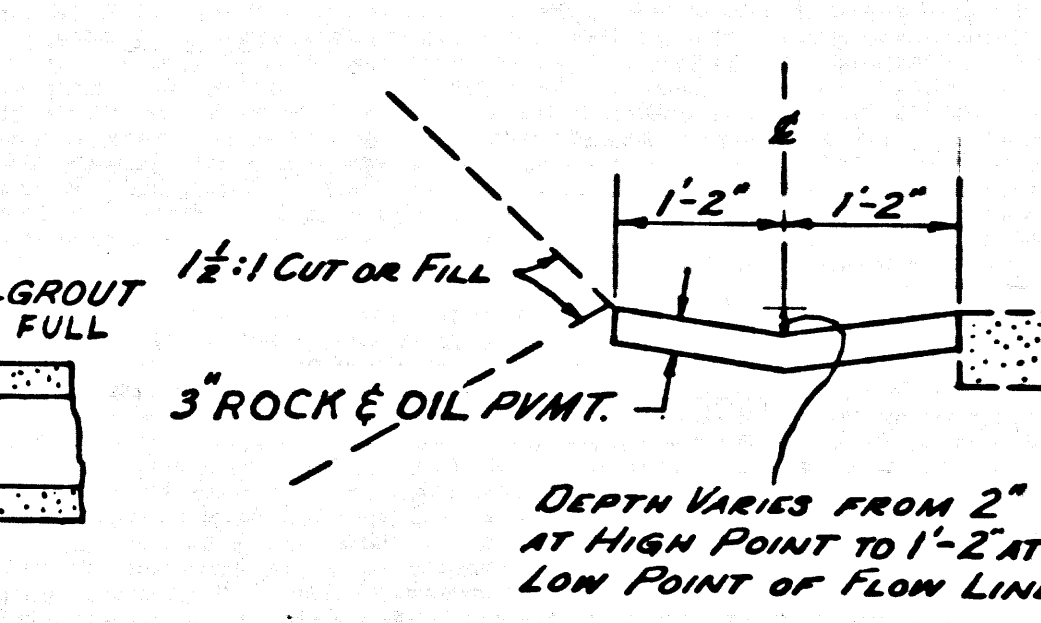


SPLASH PAD DETAIL
SCALE: 1/2"=1'-0"

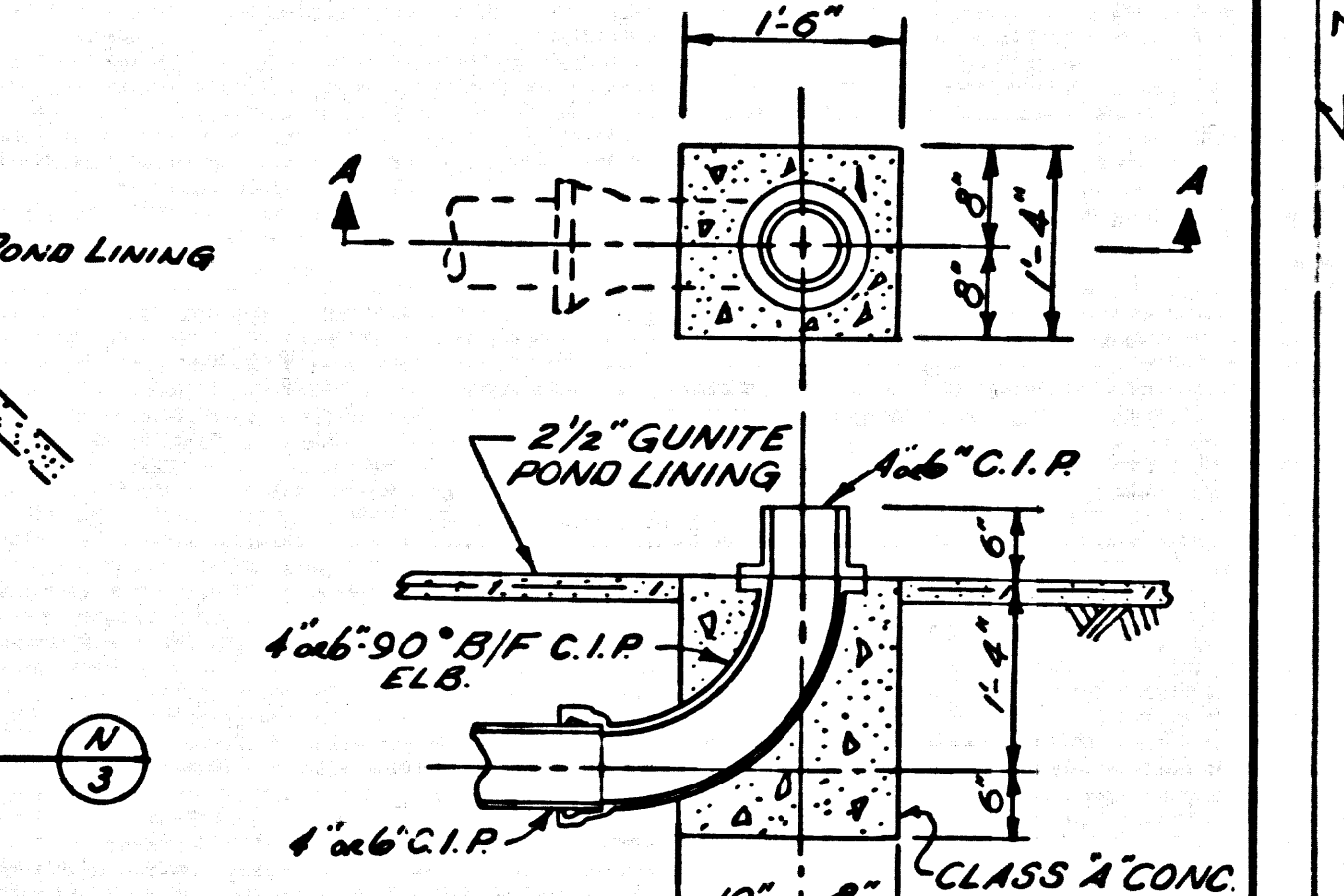
PAVED SWALE DETAIL
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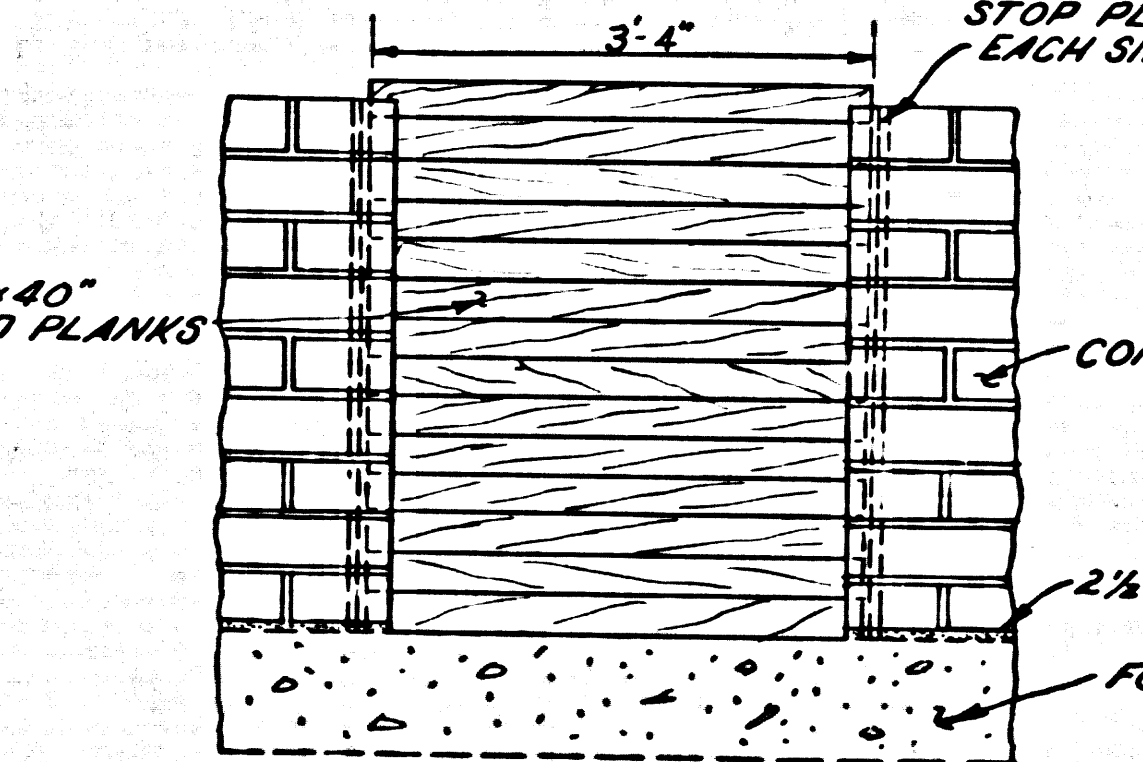
STOP PLANK GROOVES DETAIL
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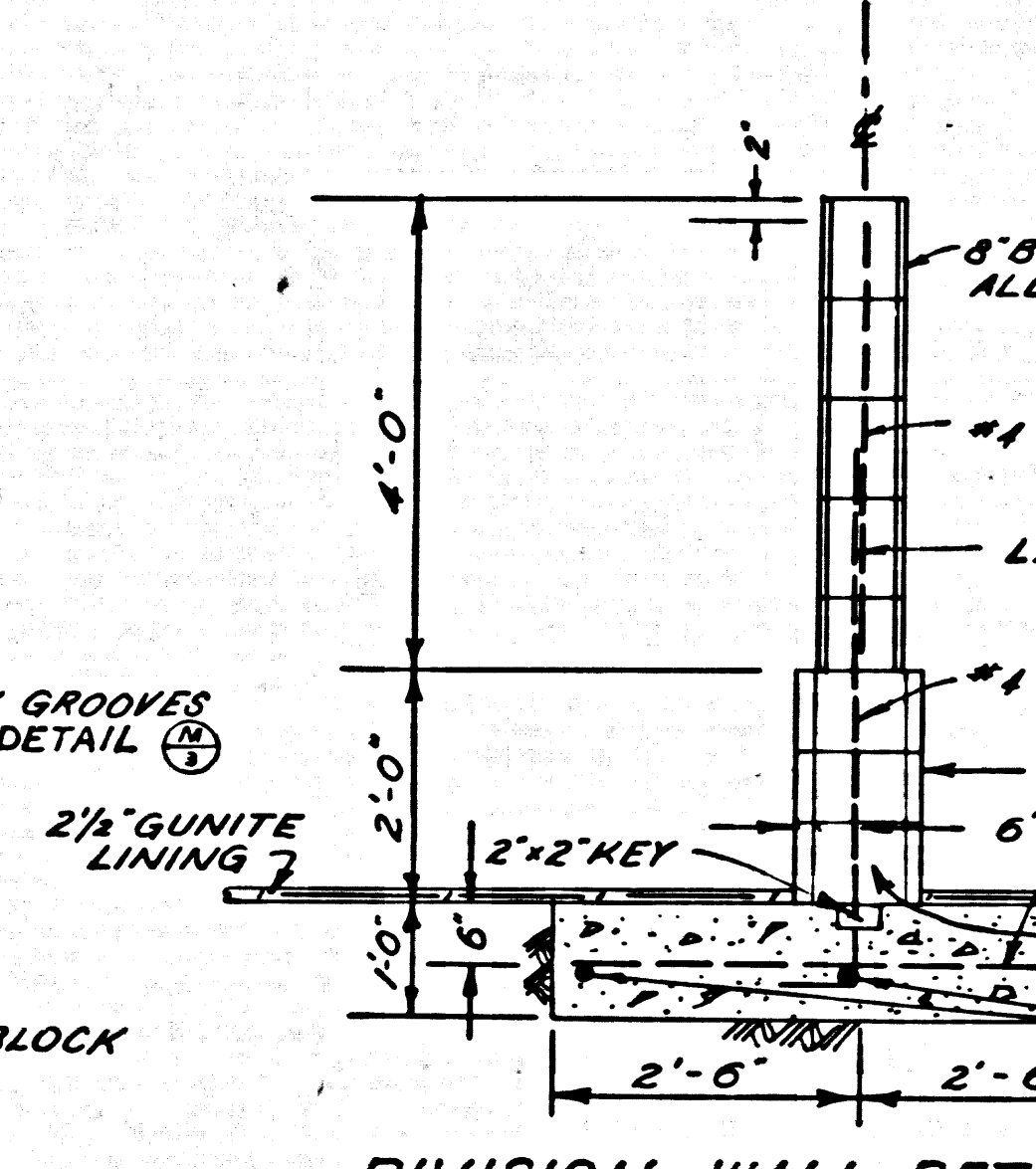
DIVERTER DITCH DETAIL
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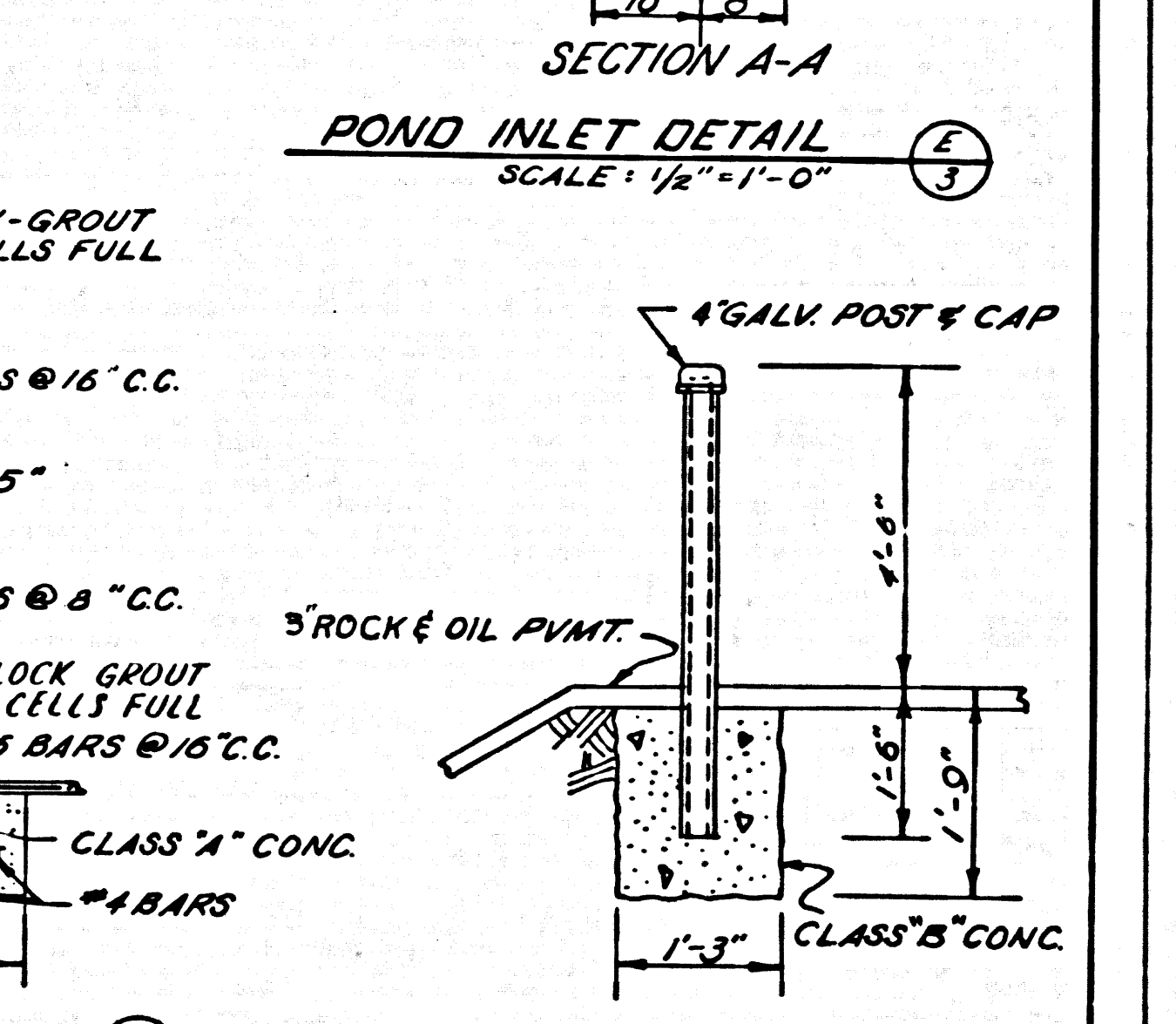
POND INLET DETAIL
SCALE: 1/2"=1'-0"



DIVISION WALL GATE DETAIL
NO SCALE



DIVISION WALL DETAIL
SCALE: 1"=2'-0"



BARRICADE POST
NO SCALE

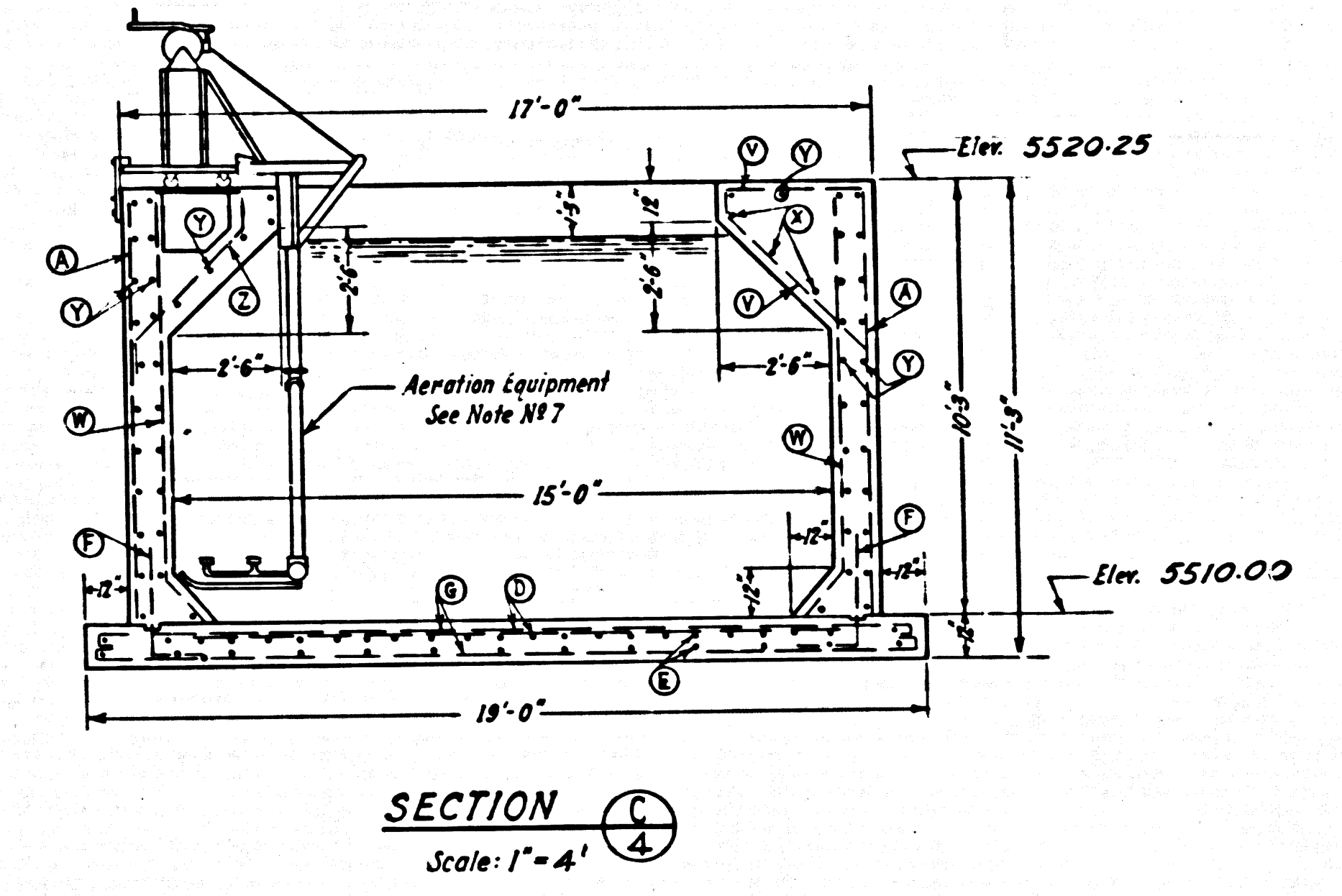
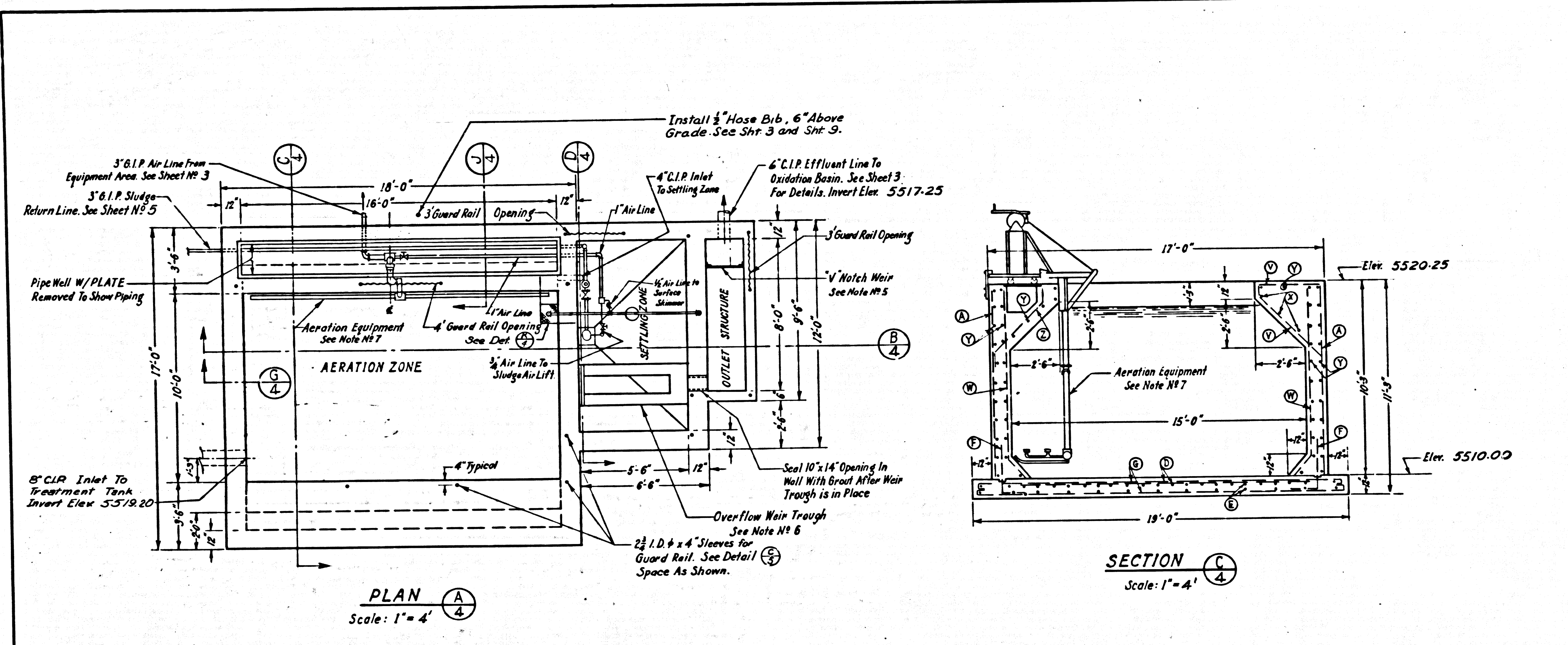
GRADING, PIPING AND DETAILS

PC. 7103	CAP PROJ. 9692-01
DESIGNED: FAUST	TRACED KOPECKY
SCALE AS SHOWN	DATE MAY 66
	CHECKED: HOWARD
	SHEET 3 OF 10 SHEETS

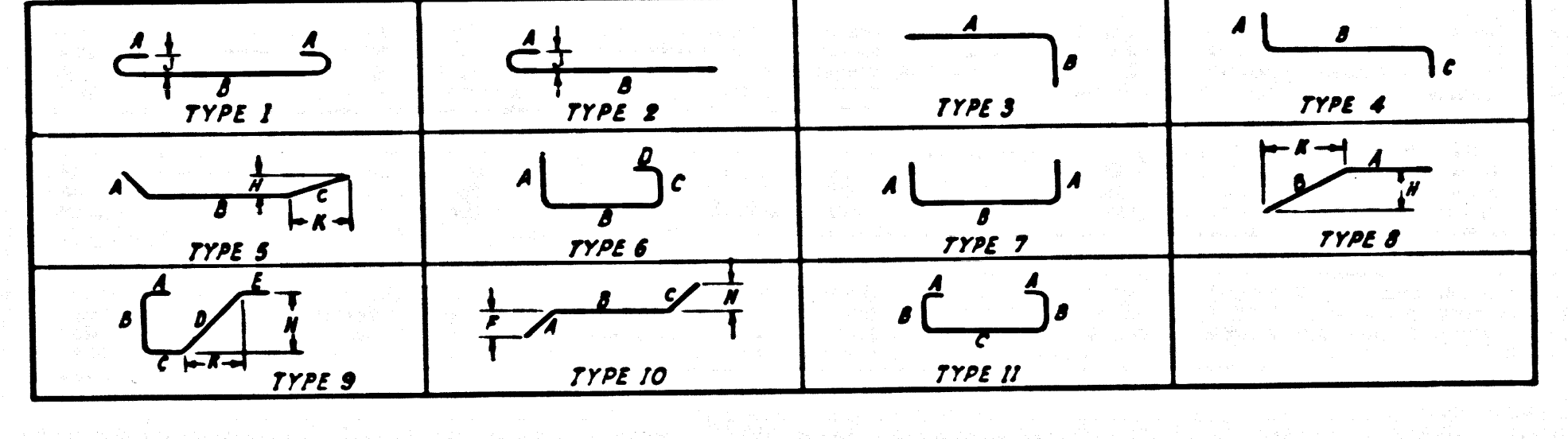
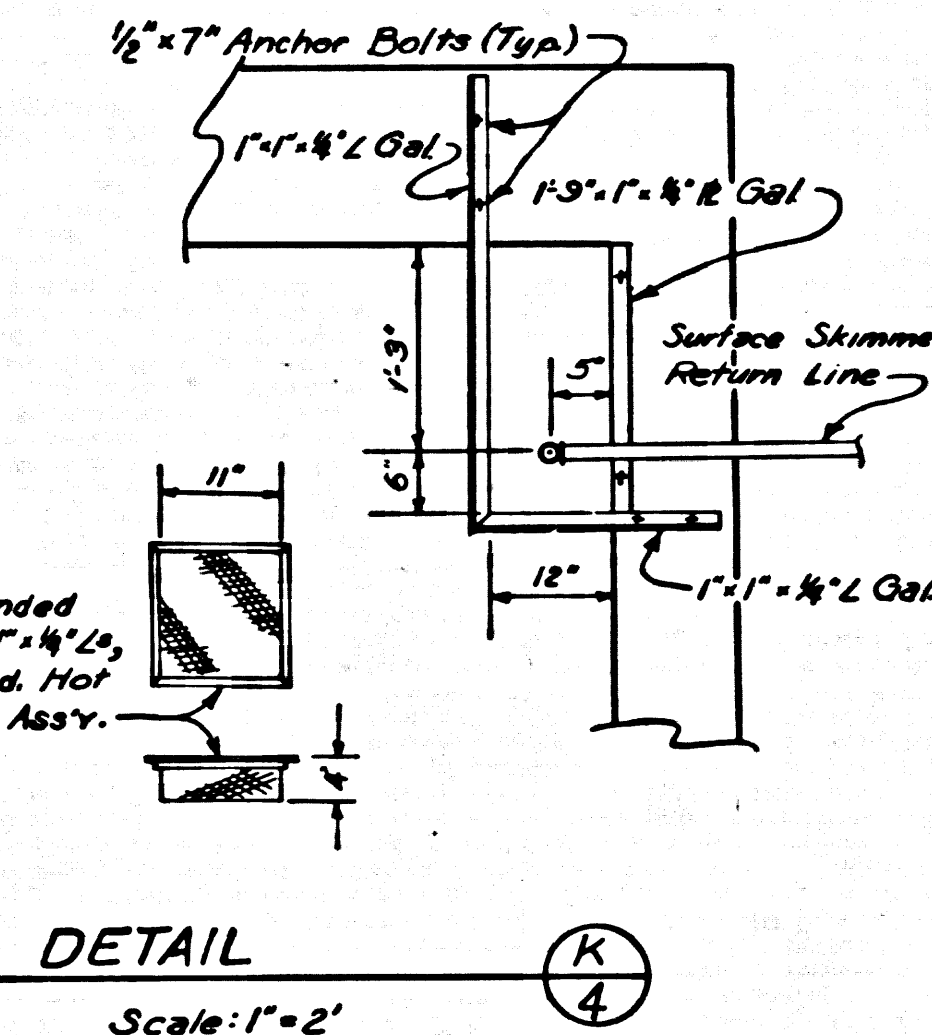
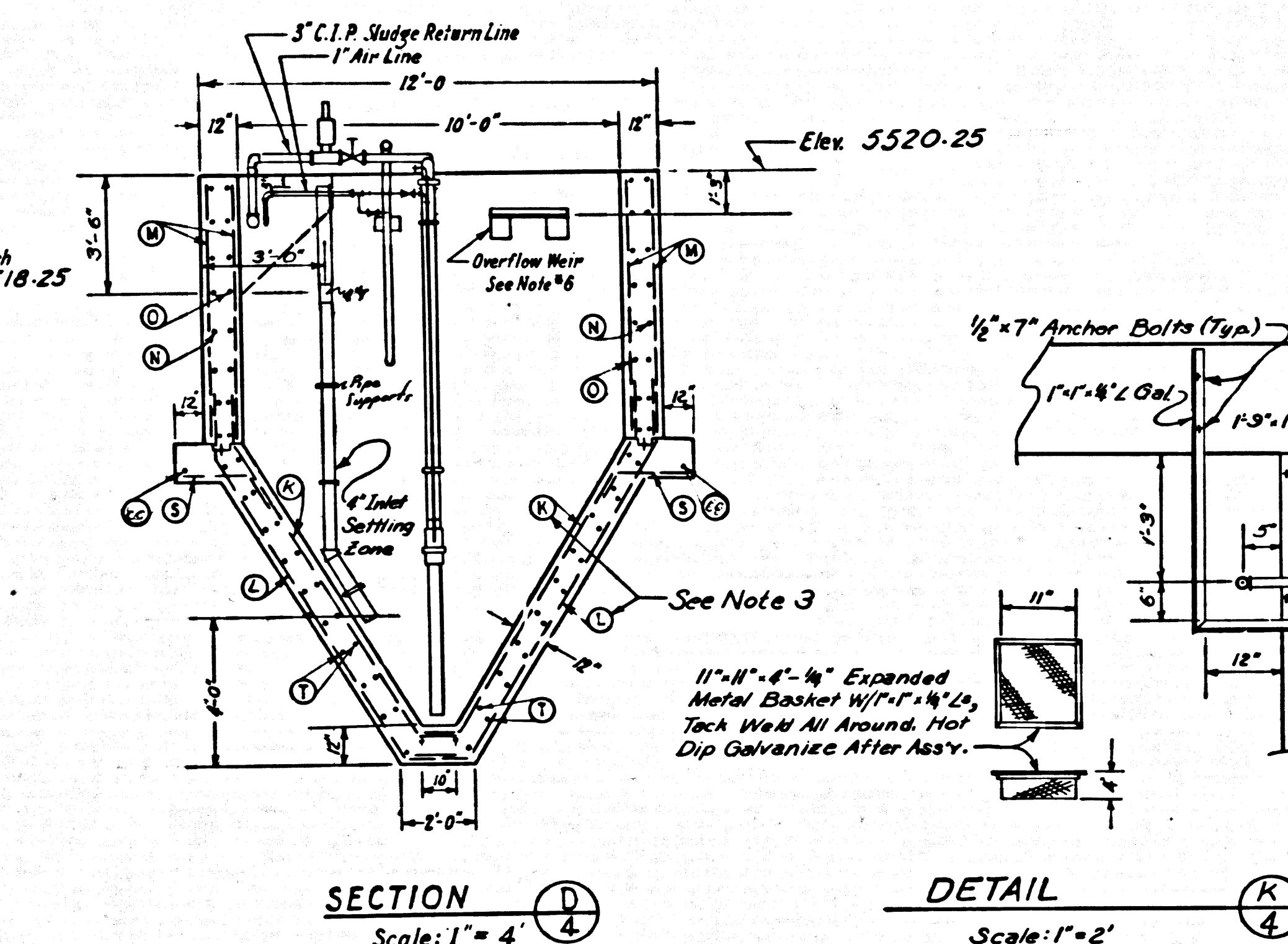
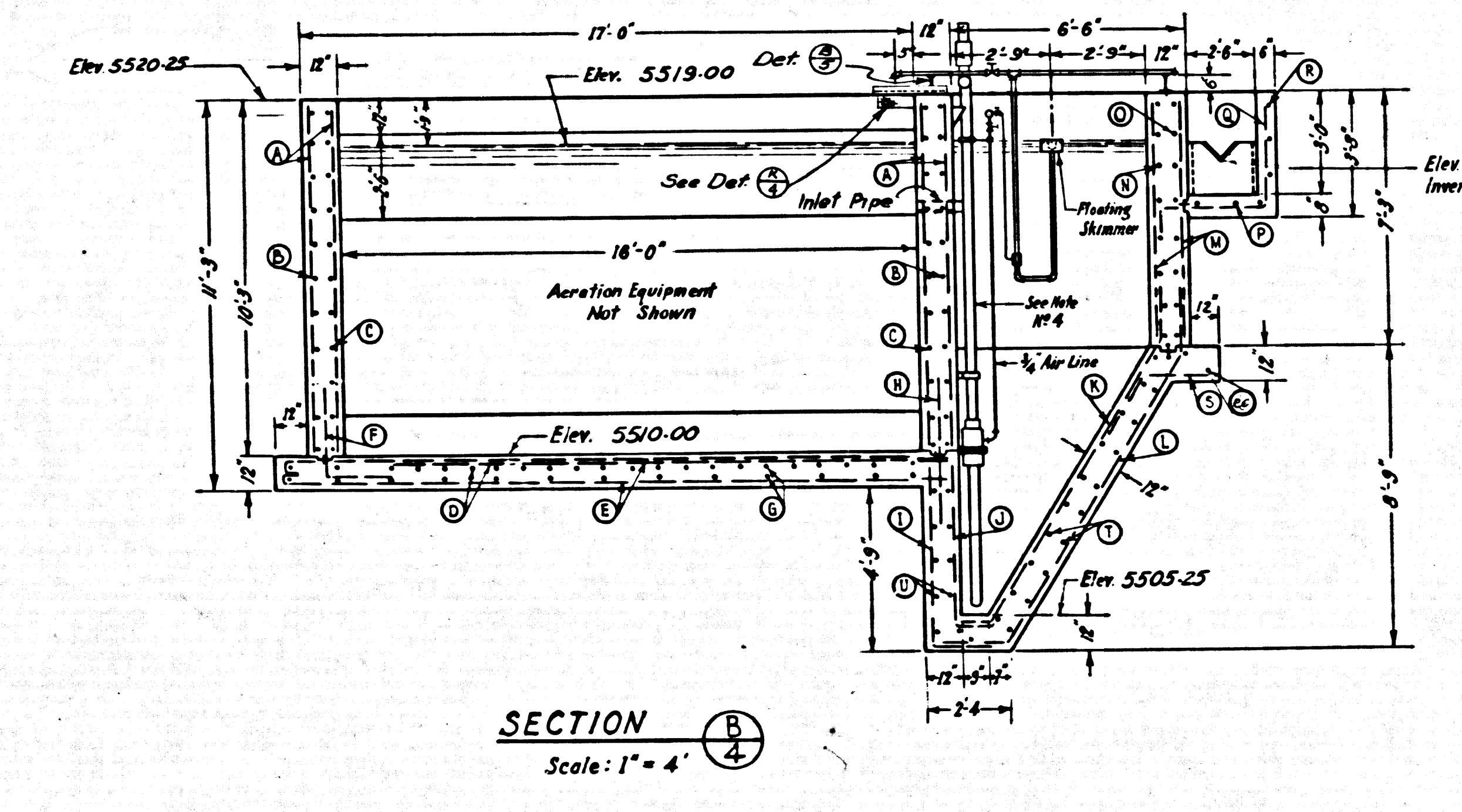
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P.C. 1103-CWB PROJ. 9285 01-DELENTION CAMP NO. 18

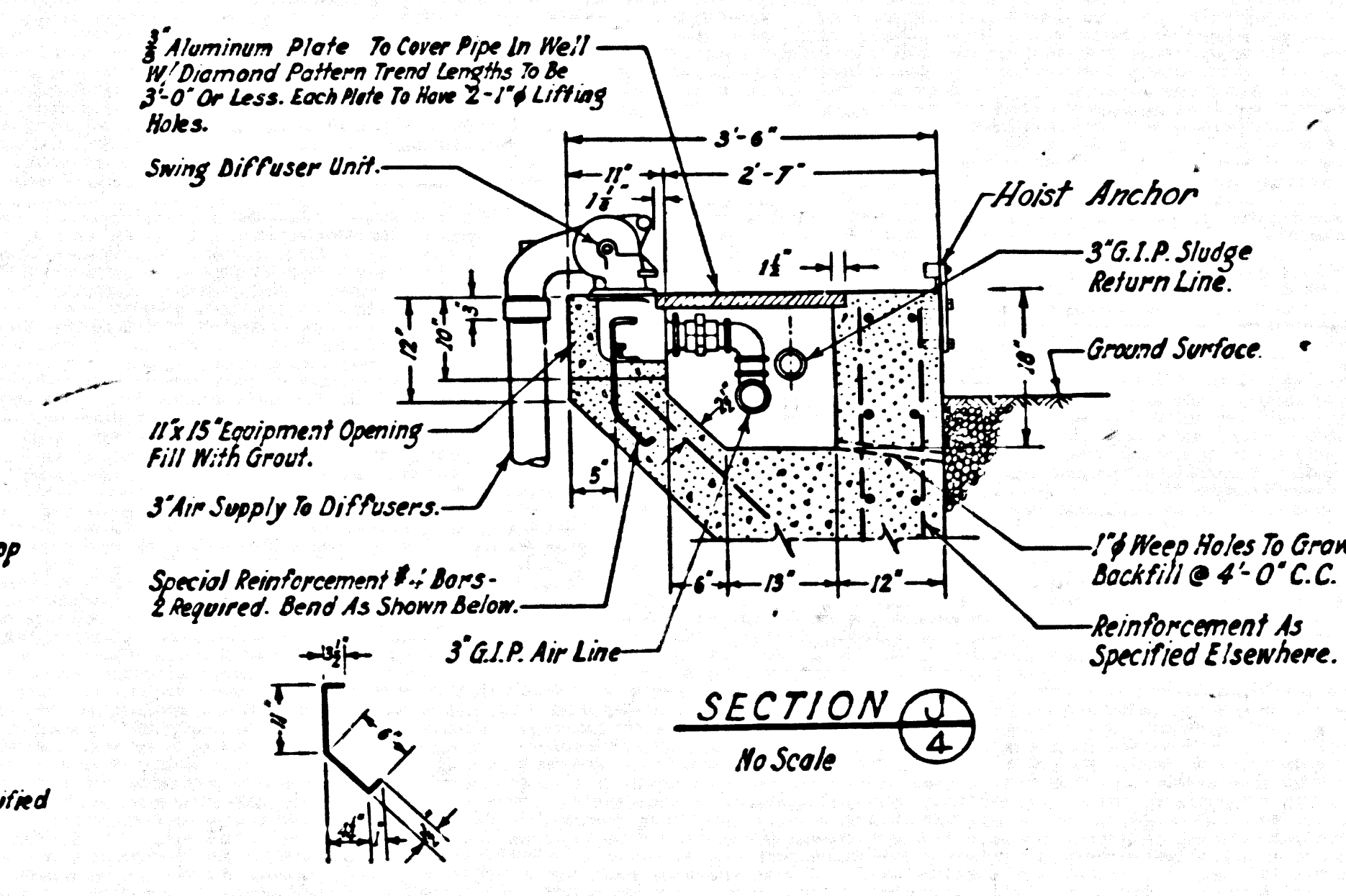
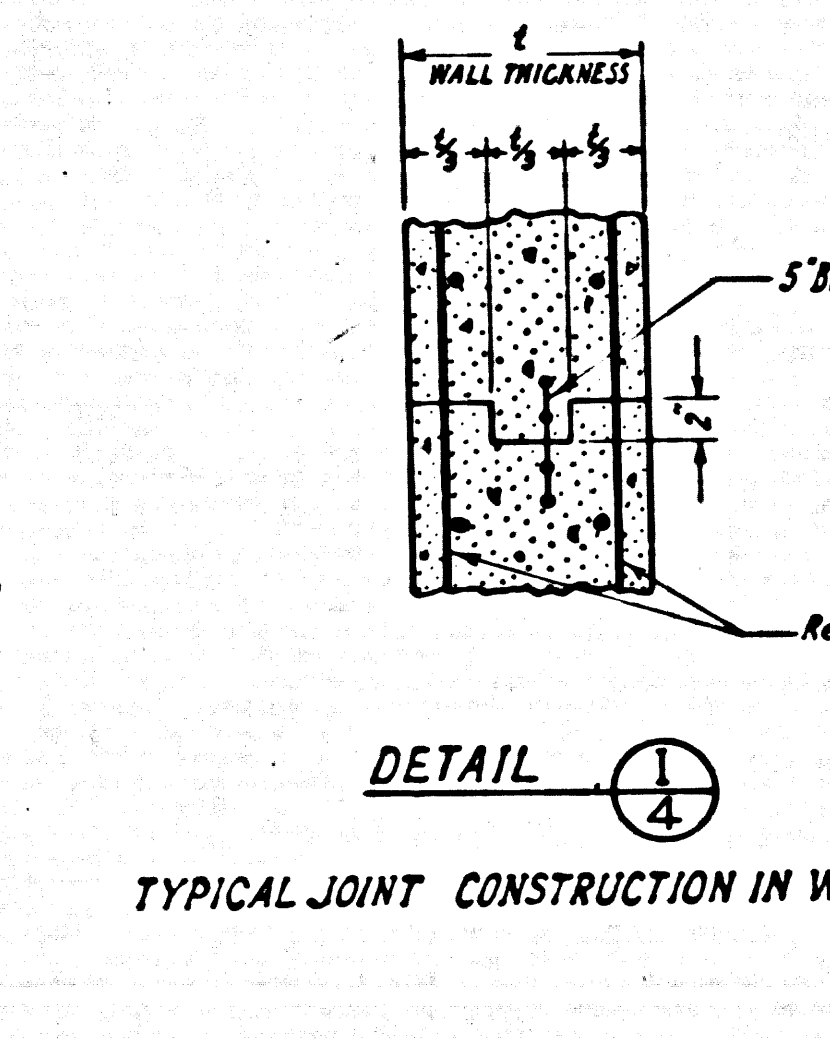
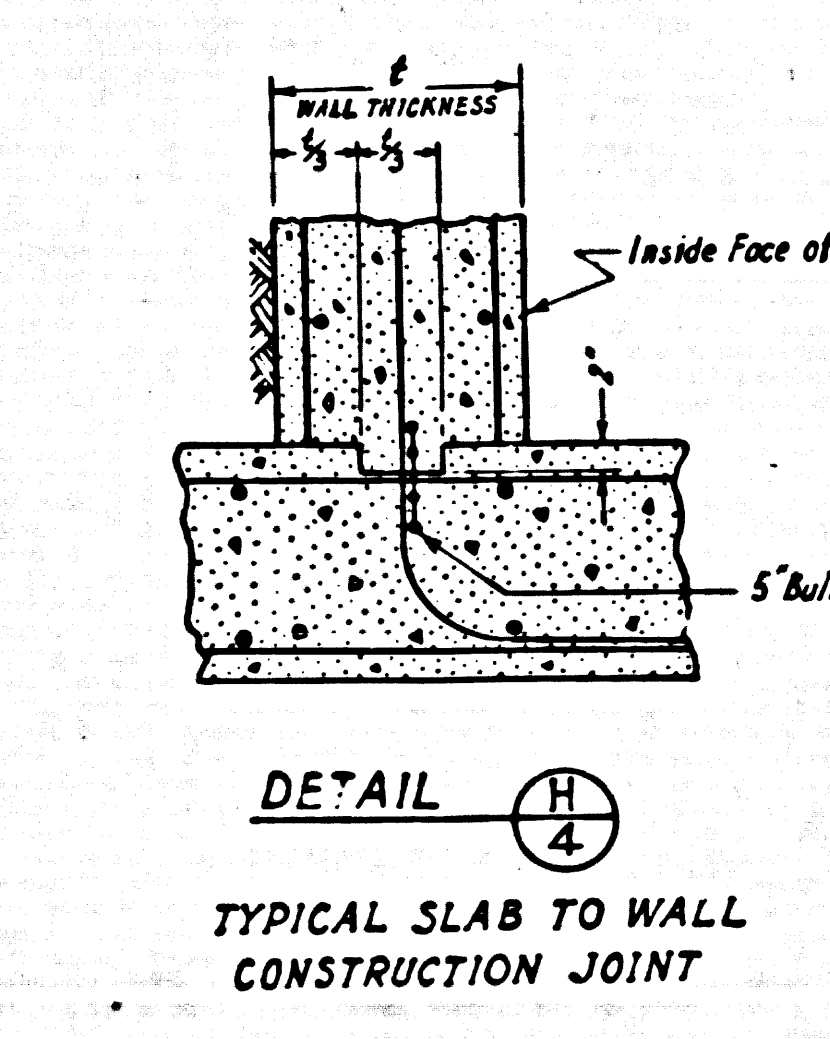
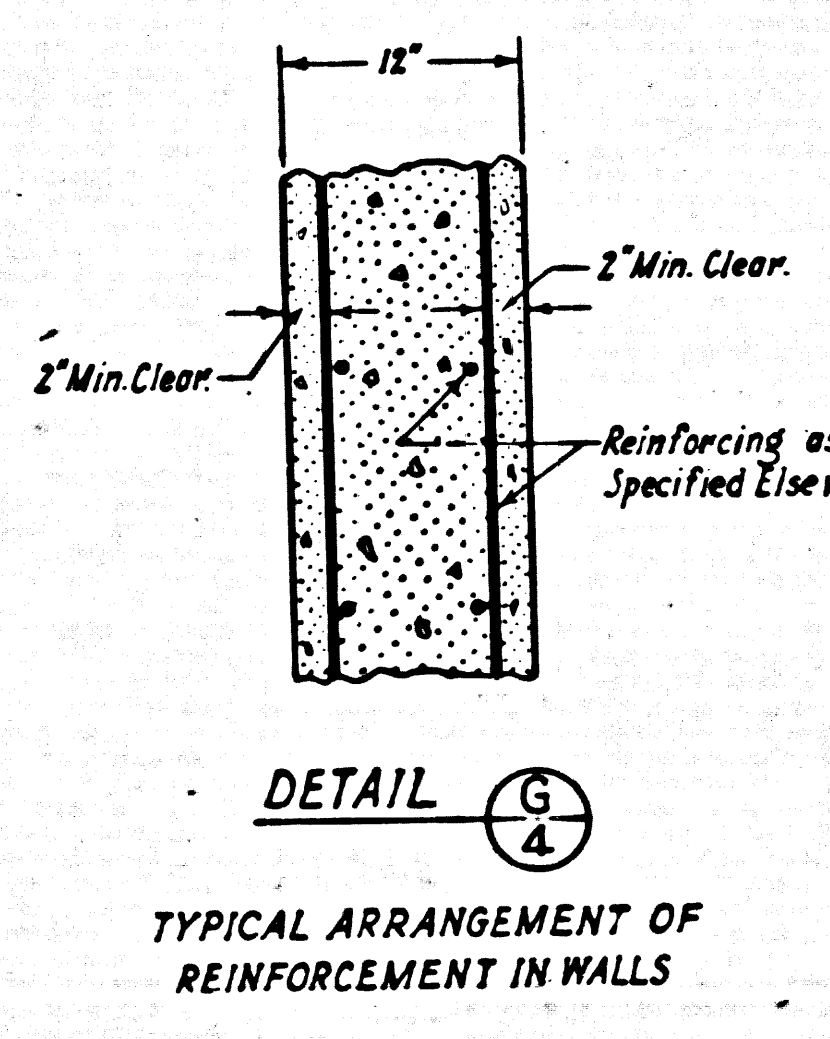
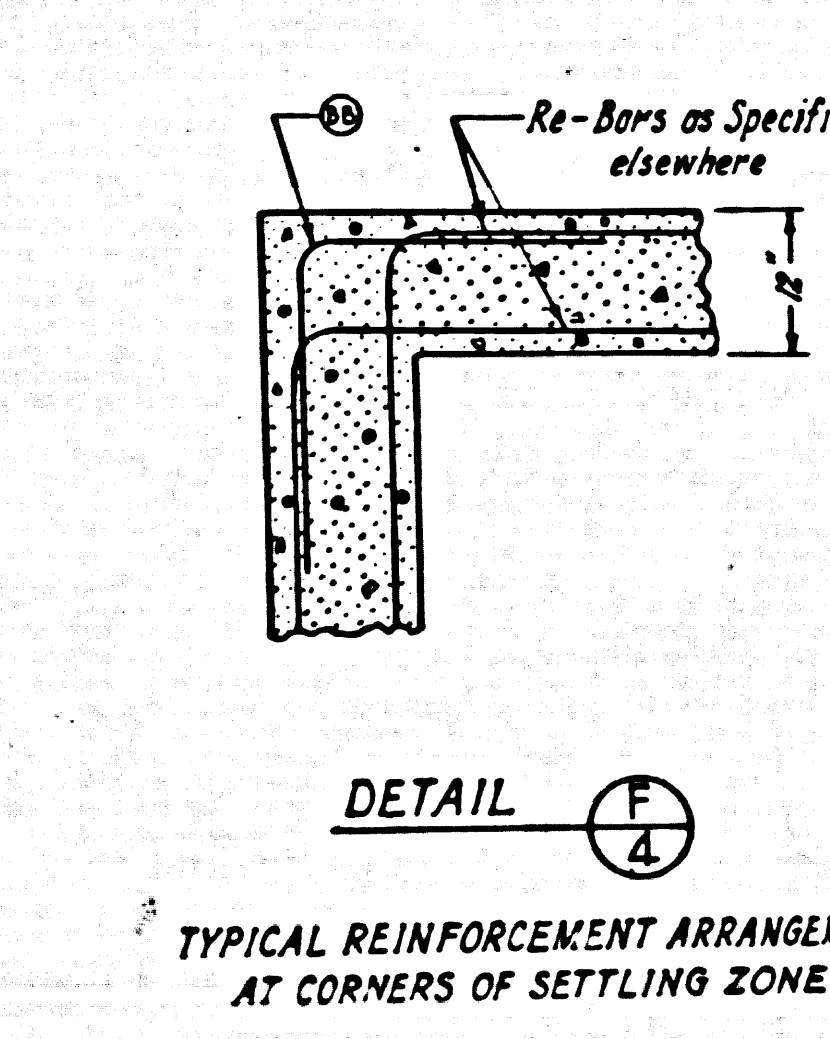
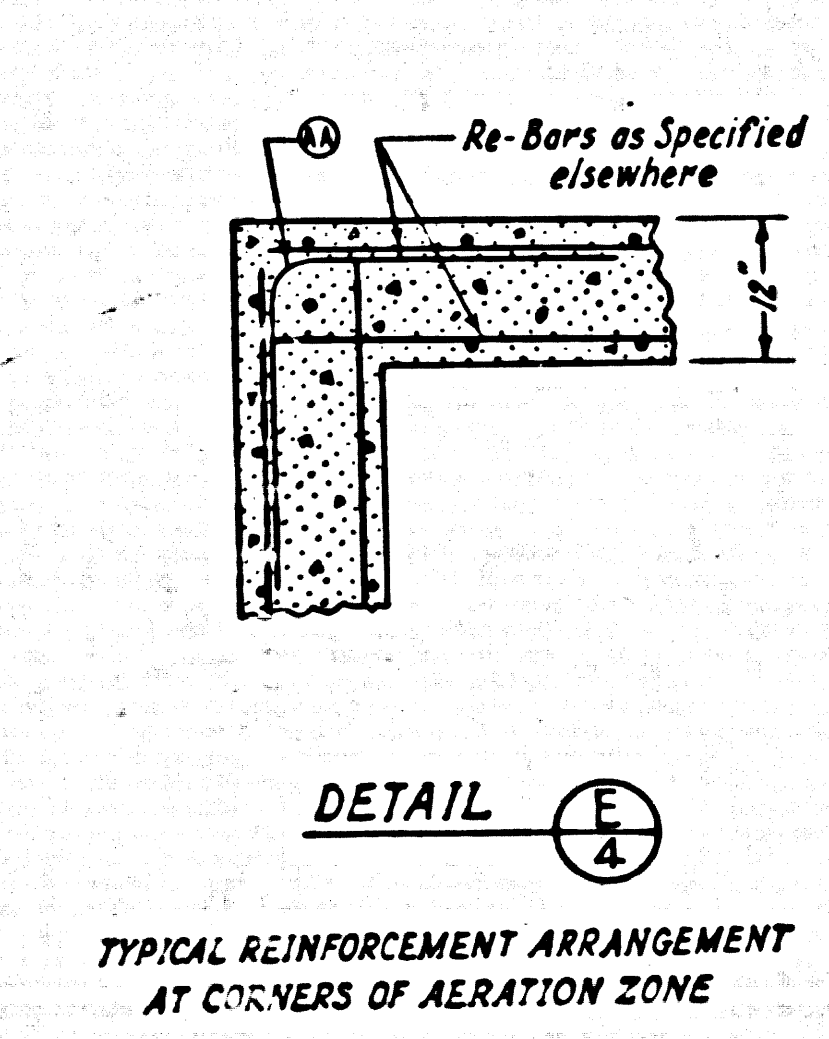
TRIM LINE



STEEL SCHEDULE																
MARK	NO.	SIZE	SPACING	LENGTH	TYPE	SKETCH	DIMENSIONS (OUT TO OUT)									
							A	B	C	D	E	F	G	H	K	J
A	100	4"	12" C.C.	13'-1"	STRAIGHT											
B	22	"	"	16'-8"	"											
C	22	"	"	16'-8"	"											
D	30	"	"	14'-0"	"											0-4
E	38	1/2"	"	18'-3"	2		0-4	18-0								0-4
F	50	1/2"	"	4'-6"	3		1-9	1-9								0-4
G	36	1/2"	"	19'-0"	1		0-4	18-0								0-4
H	7	1/2"	"	4'-0"	STRAIGHT											
I	7	"	"	VARIABLE	STRAIGHT											
J	7	"	"	"	"											
K	27	"	"	NOTE 3	"											0-10 1-5
L	25	"	"	NOTE 2	"											13 1-8
M	48	"	12" C.C.	7'-0"	STRAIGHT											
N	8	"	"	26'-4"	6		7-3	11-7	6-0	1-4						
O	8	"	"	26'-4"	6		7-3	10-6	6-9	1-4						
P	8	"	"	15'-7"	7		3-2	6-9								
Q	8	"	"	4'-10"	4		3-2	3-6	0-3							
R	3	"	"	17'-3"	6		3-9	8-10	3-6	1-4						0-6 1-0
S	22	"	"	3'-9"	8		1-9	1-0								
T	18	"	"	3'-9"	8		1-4	NOTE 1	NOTE 1							
U	8	"	"	VARIABLE	STRAIGHT											
V	16	"	"	8'-11"	9		0-5	3-0	0-9	4-3	0-6					3-8 3-0
W	32	"	"	18'-0"	8		1-8	1-8								0-11 0-11
X	8	"	"	VARIABLE	7		NOTE 2	7								
Y	48	"	"	17'-0"	STRAIGHT											
Z	16	"	"	5'-4"	10		1-0	3-8	0-8							0-8 0-3
AA	44	"	"	4'-5"	4		4-5	4-0								
AB	16	"	"	3'-0"	3		1-6	1-6								
AC	3	"	"	NONE	VARIABLE	VARIABLE										



- NOTES:**
- 1 - VARIABLE LENGTH, BEND IN FIELD AS REQUIRED
 - 2 - EXTEND BARS VERTICALLY TO WITHIN 2" OF TOP OF STRUCTURE.
 - 3 - FAN OUT BARS FROM BASE TO A MAXIMUM SPACING OF 12" C.C. CUT OFF BARS AS NECESSARY TO MAINTAIN A MINIMUM SPACING OF 4" C.C.
 - 4 - AIR LIFT ASSEMBLY, CHICAGO PUMP CO. UNIT NO. SL-103, E-1 OR EQUAL.
 - 5 - V-NOTCH MEASURING WEIR, CHICAGO PUMP CO. UNIT NO. SL-103, A-4 OR EQUAL.
 - 6 - OVERFLOW TROUGH, CHICAGO PUMP CO. UNIT NO. SL-103, A-4 OR EQUAL, EXCEPT THAT TROUGH UNIT TO BE GALVANIZED AFTER FABRICATION. TOP OF TROUGH TO BE ELEV. 5519.00
 - 7 - AERATION SWING DIFFUSER AND HEADER ASSEMBLY, CHICAGO PUMP CO. UNIT SL-103, TYPE B-1, OR EQUAL AND HEADER PIPE SHALL HAVE A KNEE JOINT.



TREATMENT TANK

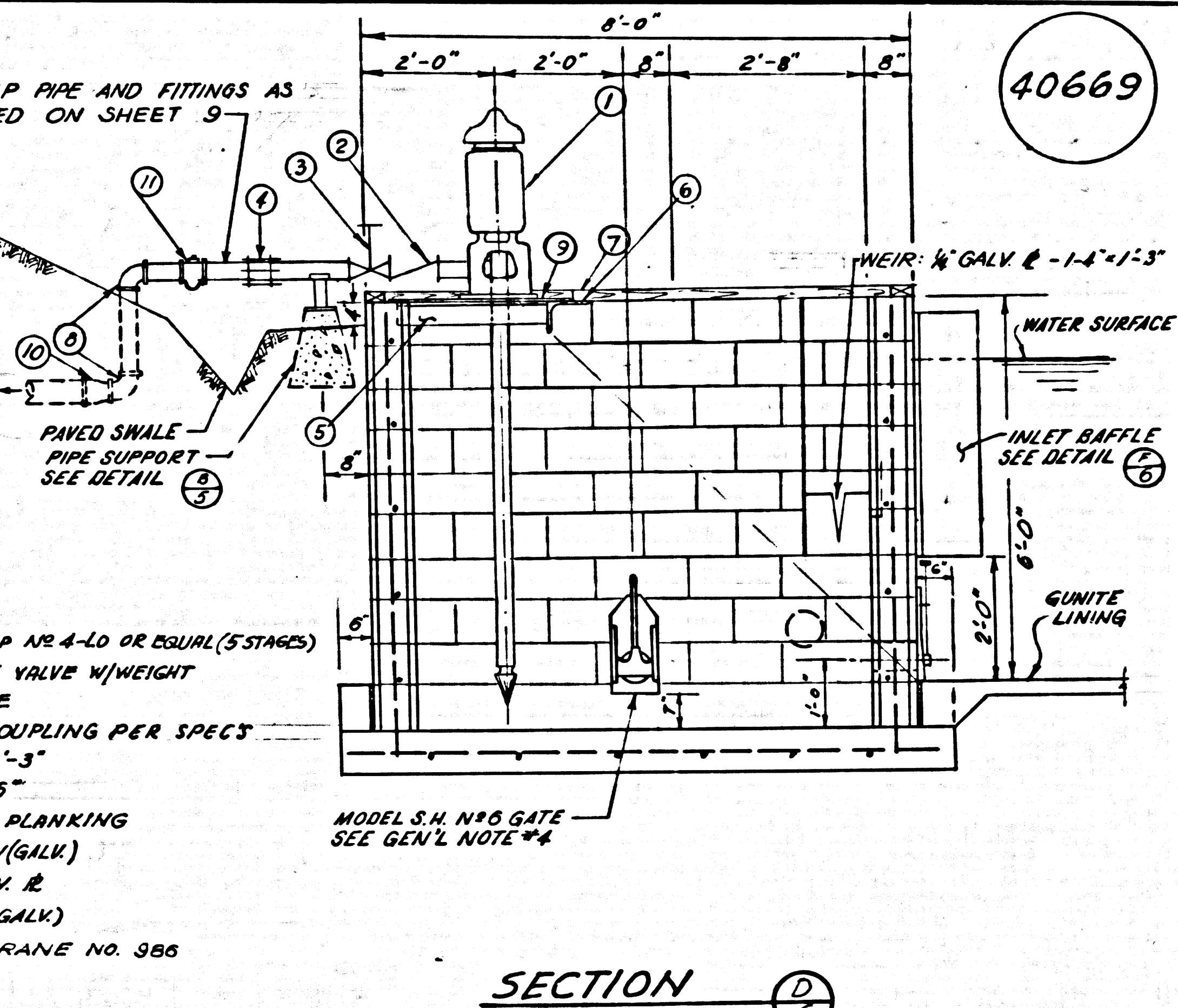
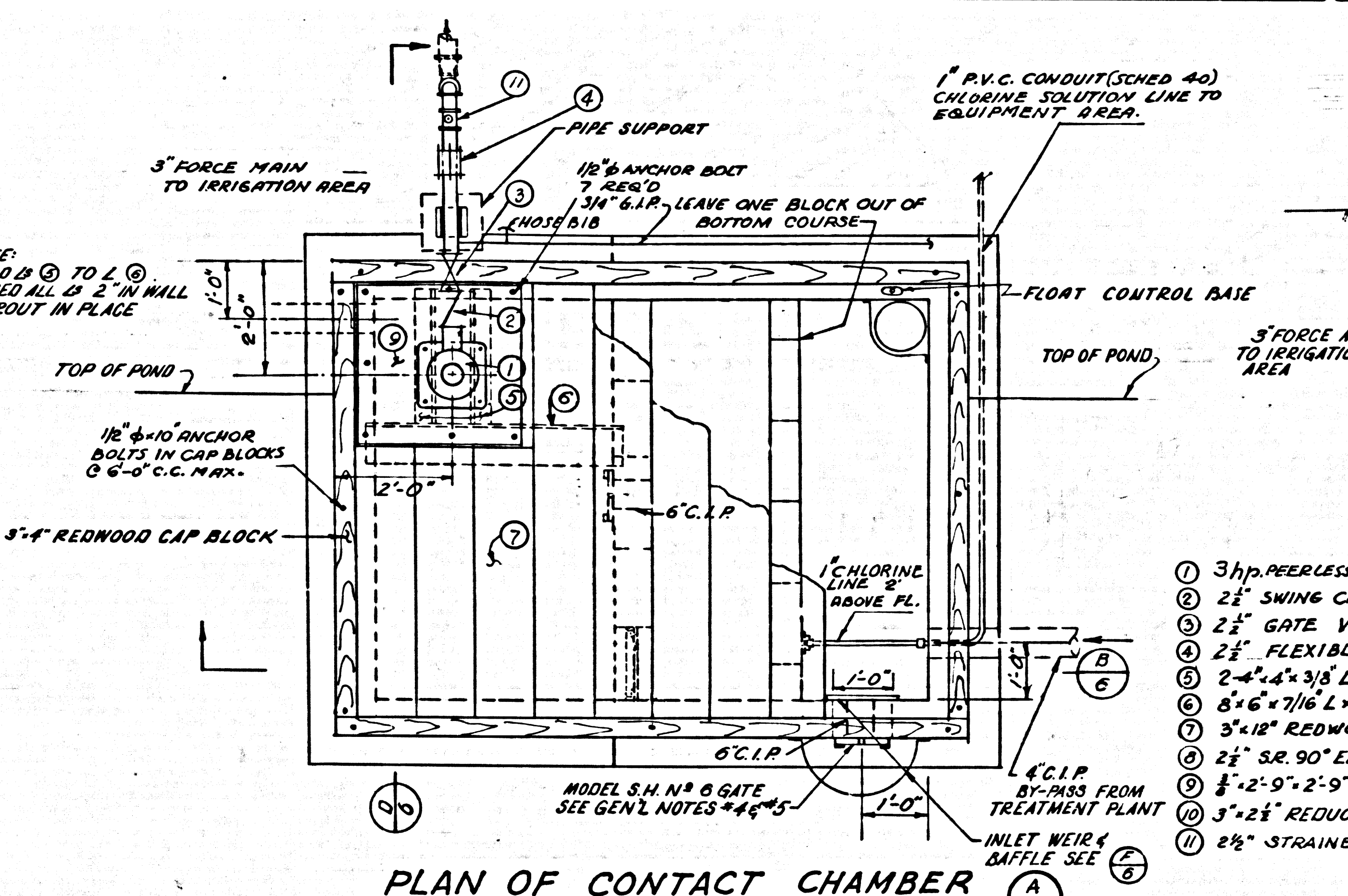
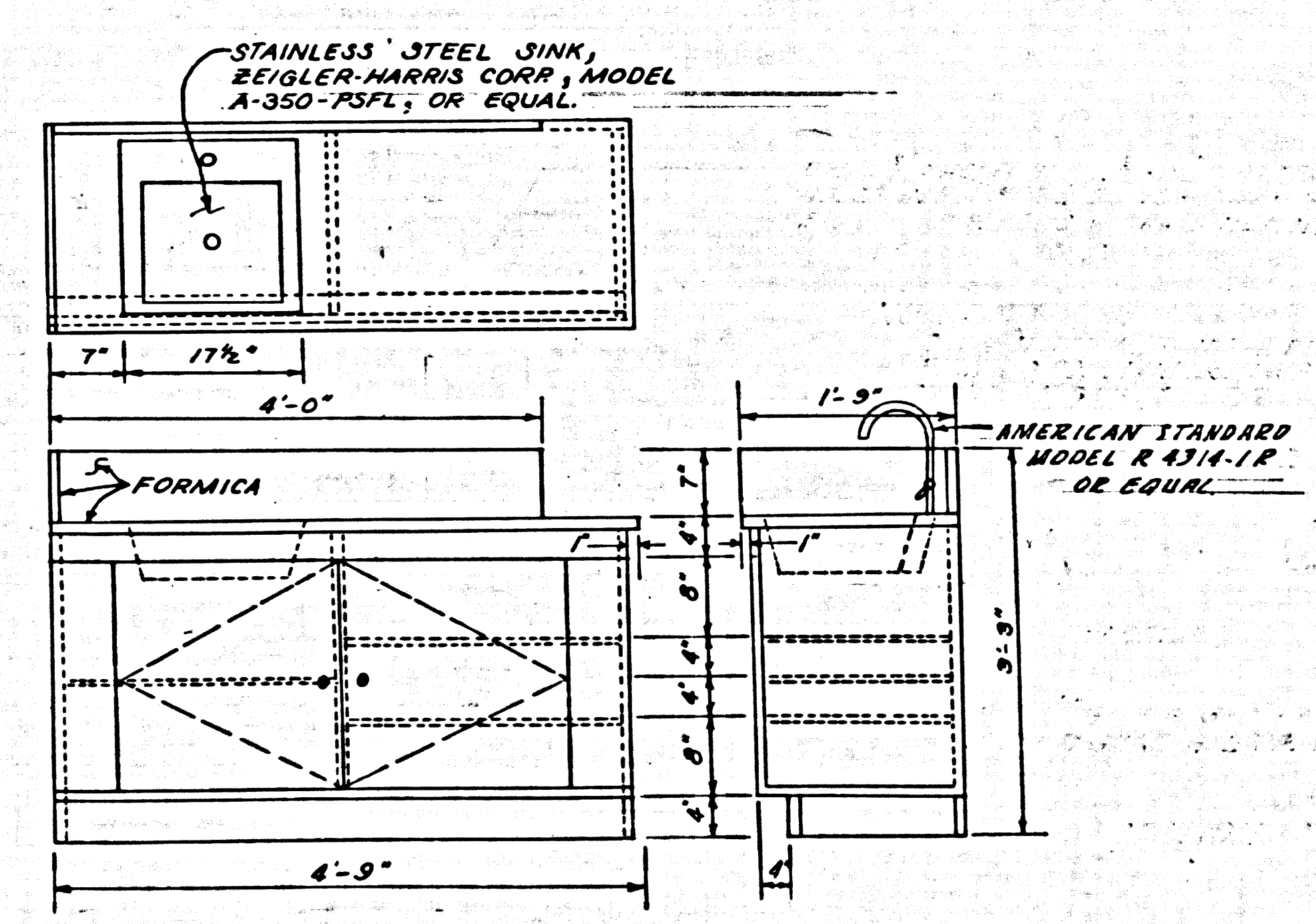
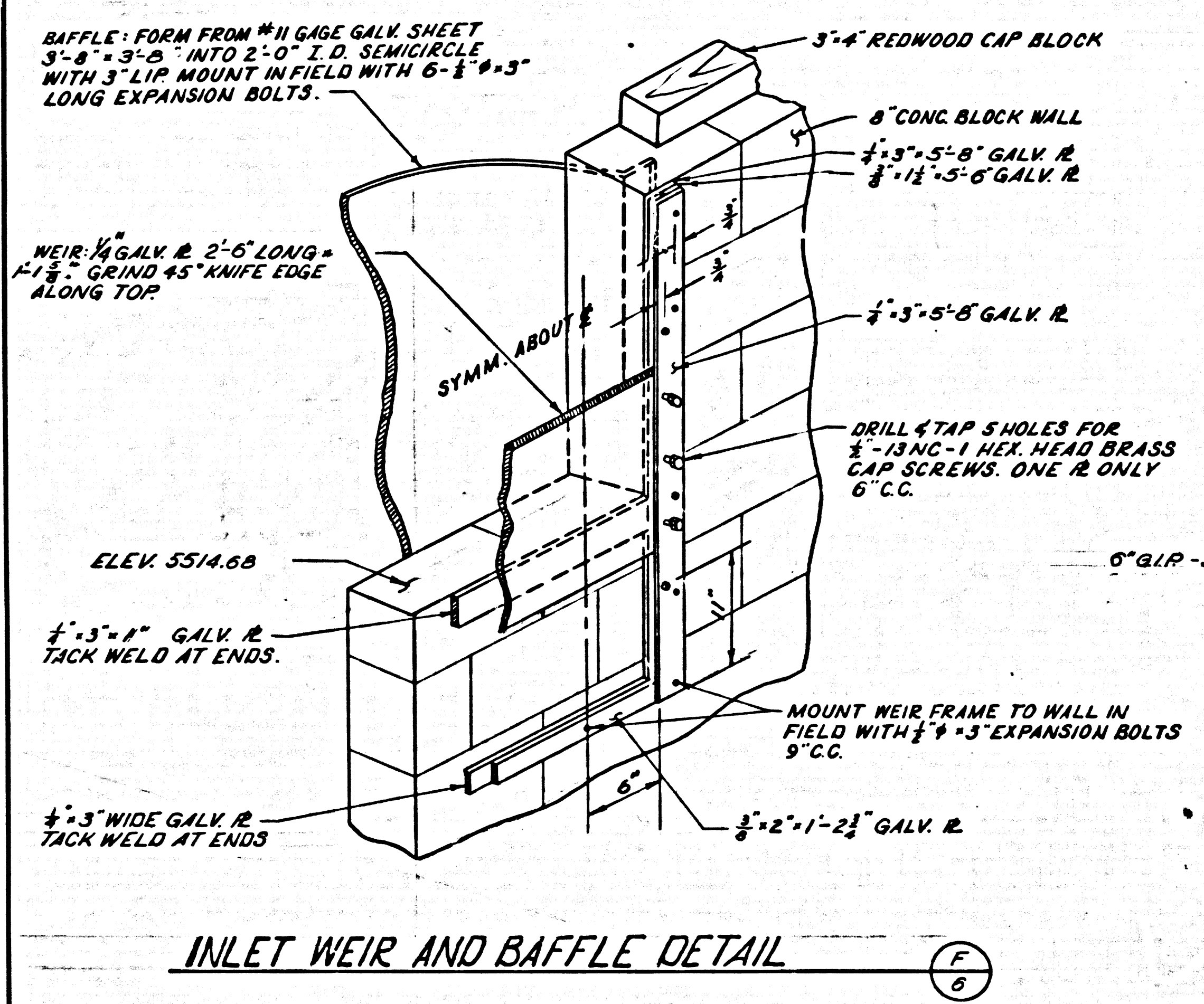
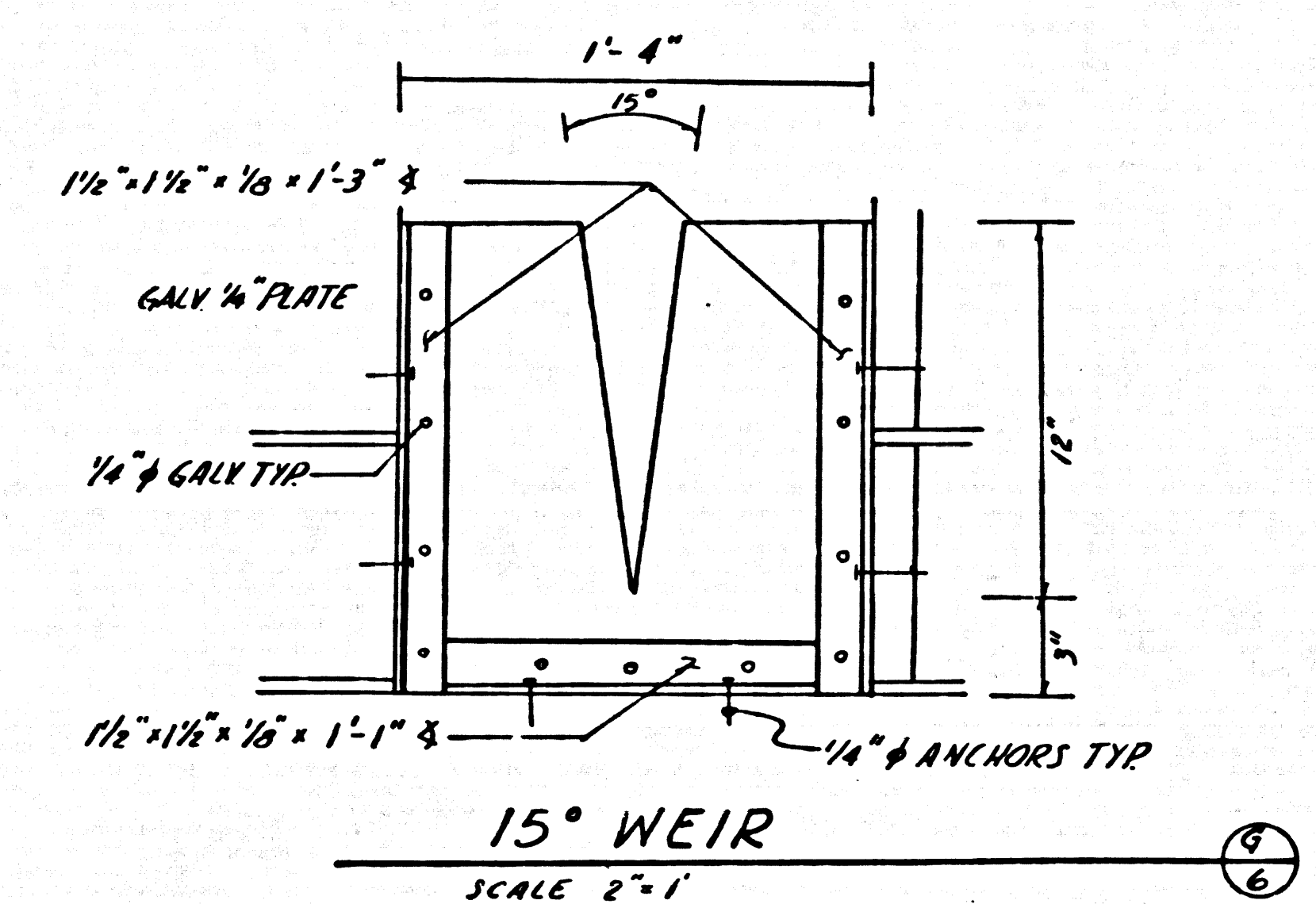
P.C. 1103 CAP PROJ. 9285 01-DELENTION CAMP NO. 18

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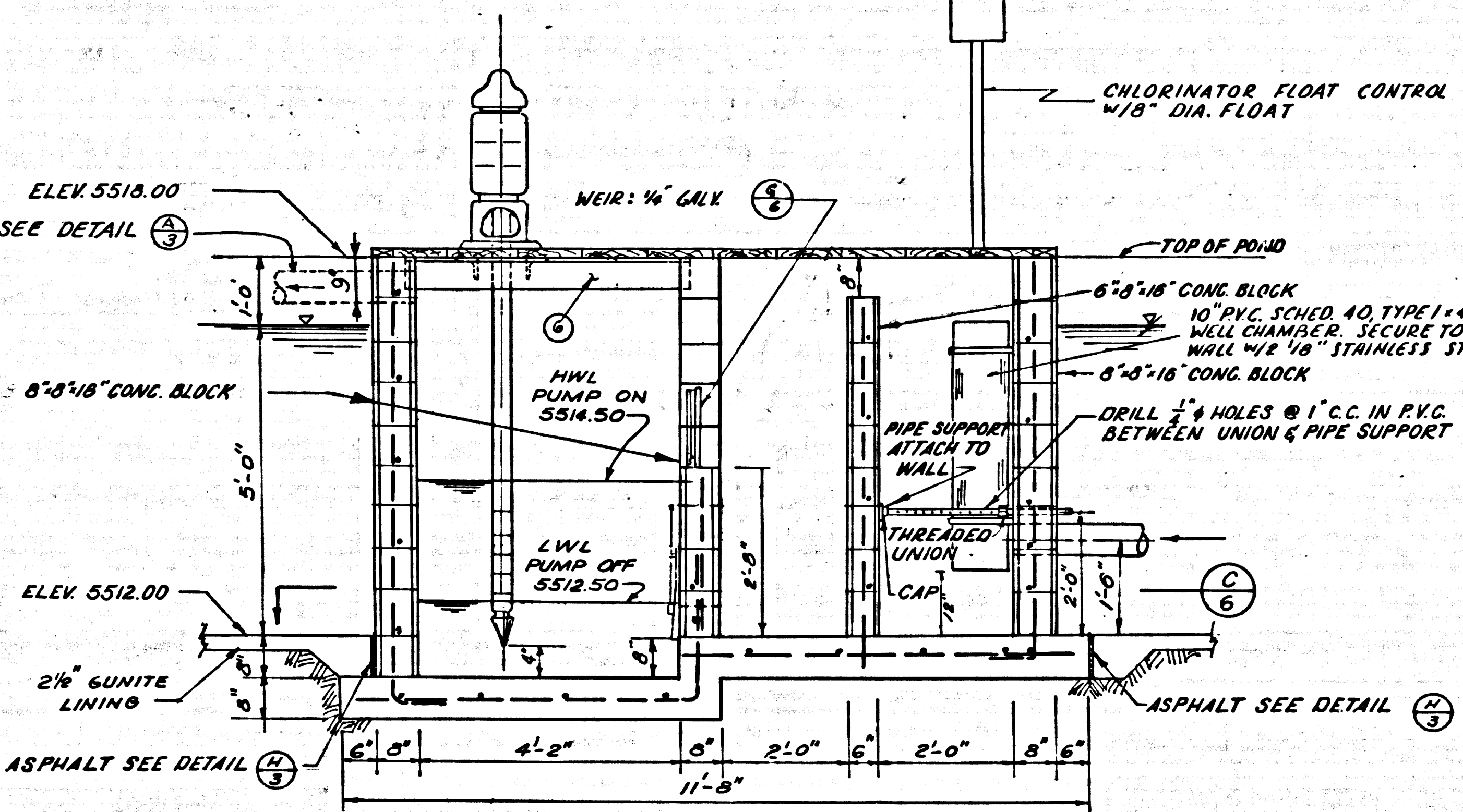
SCALE: AS SHOWN DATE: MAY 66 SHEET 4 OF 10 SHEETS

TRIM LINE 2

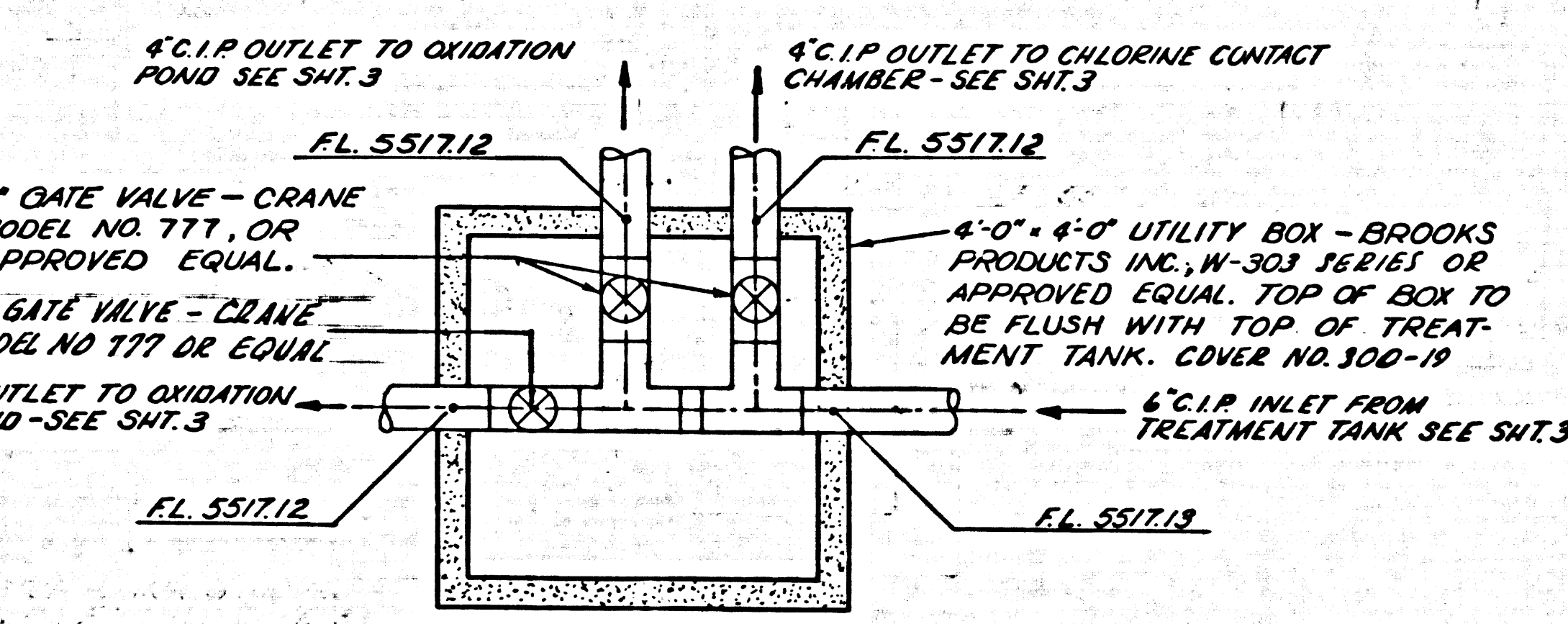
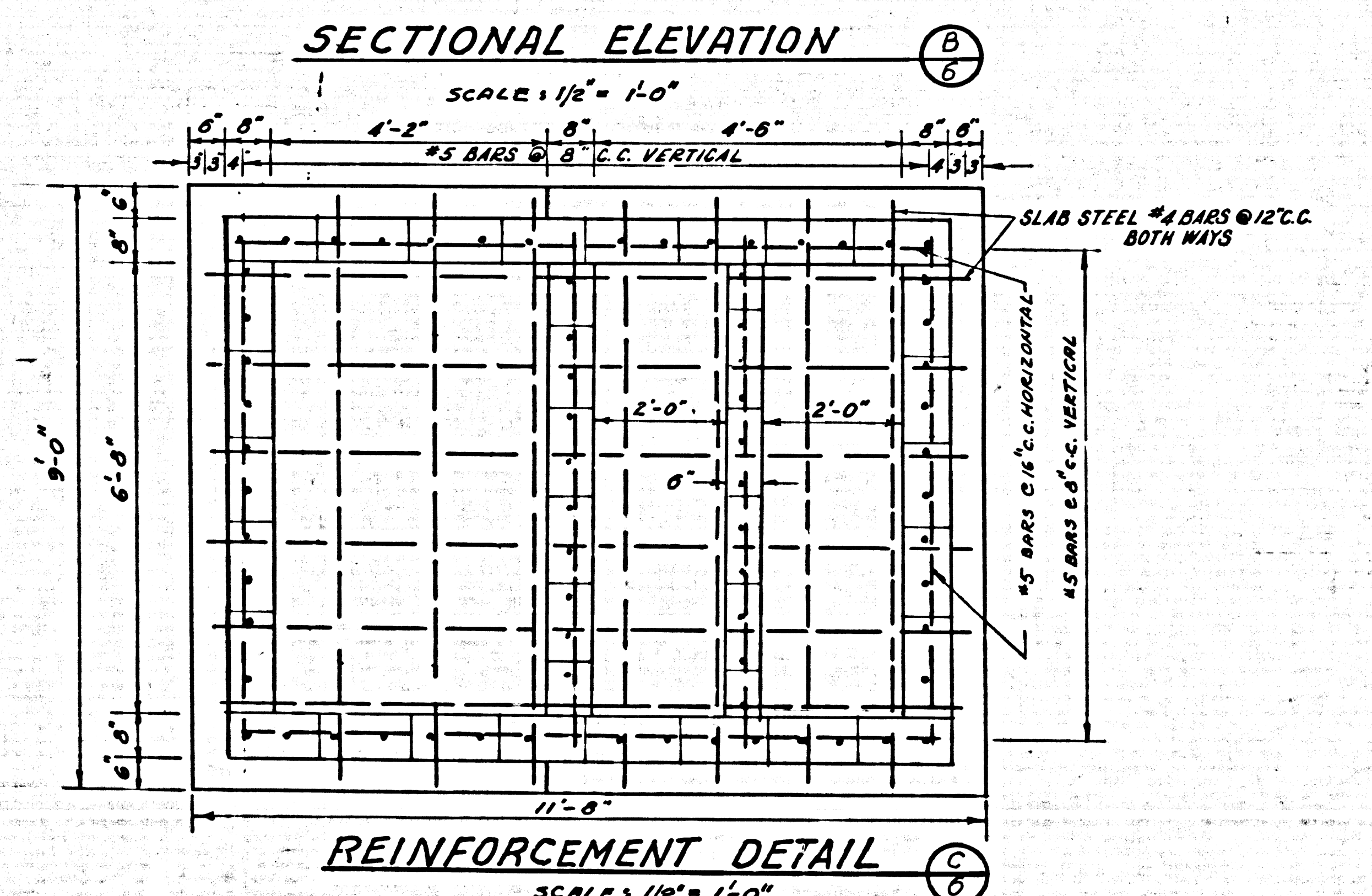
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- 1 3hp. PEERLESS PUMP NR 4-LO OR EQUAL (5 STAGES)
- 2 2" SWING CHECK VALVE W/WEIGHT
- 3 2" GATE VALVE
- 4 2" FLEXIBLE COUPLING PER SPECS
- 5 2'-4" x 3/8" L³ x 2'-3"
- 6 8'-6" x 7/16" L x 4'-6"
- 7 3'-18" REDWOOD PLANKING
- 8 2 1/2" SR. 90° ELBOW (GALK)
- 9 1/2" x 2'-0" x 2'-0" GALV R.
- 10 3" x 2 1/2" REDUCER (GALK)
- 11 2 1/2" STRAINER, CRANE NO. 386



- GENERAL NOTES:**
- 1- STEEL REINFORCEMENT
 - A- BEAM BLOCKS SHALL BE USED TO CARRY HORIZONTAL STEEL
 - B- LAP BARS 12" MINIMUM AT ALL SPLICES.
 - C- TERMINATE VERTICAL STEEL IN WALLS 2" BELOW TOP OF WALL.
 - D- SLAB STEEL SHALL BE #4 BARS @ 12" C.C. BOTH WAYS.
 - E- SET SLAB STEEL 3" MIN. CLEAR FROM BOTTOM OF SLAB.
 - F- BEND ALTERNATE BARS UP INTO WALL 12" BARS NOT BENT UP SHALL TERMINATE 3" FROM EXPOSED SLAB FACE.
 - G- BLOCK WALLS SHALL BE REINFORCED WITH #5 BARS @ 16" C.C. HORIZONTAL AND #5 @ 8" C.C. VERTICAL.
 - 2- FILL ALL BLOCK CELLS WITH GROUT
 - 3- USE NON-SHRINK GROUT (EMBECCO OR EQUAL) AROUND PIPE & WALL OPENINGS TO ENSURE WATER TIGHTNESS.
 - 4- SNOW SHASTA GATES OR APPROVED EQUAL.
 - 5- POSITION CENTERLINE OF 6" OPENING 1 FT. ABOVE THE TOP OF THE BASE SLAB.



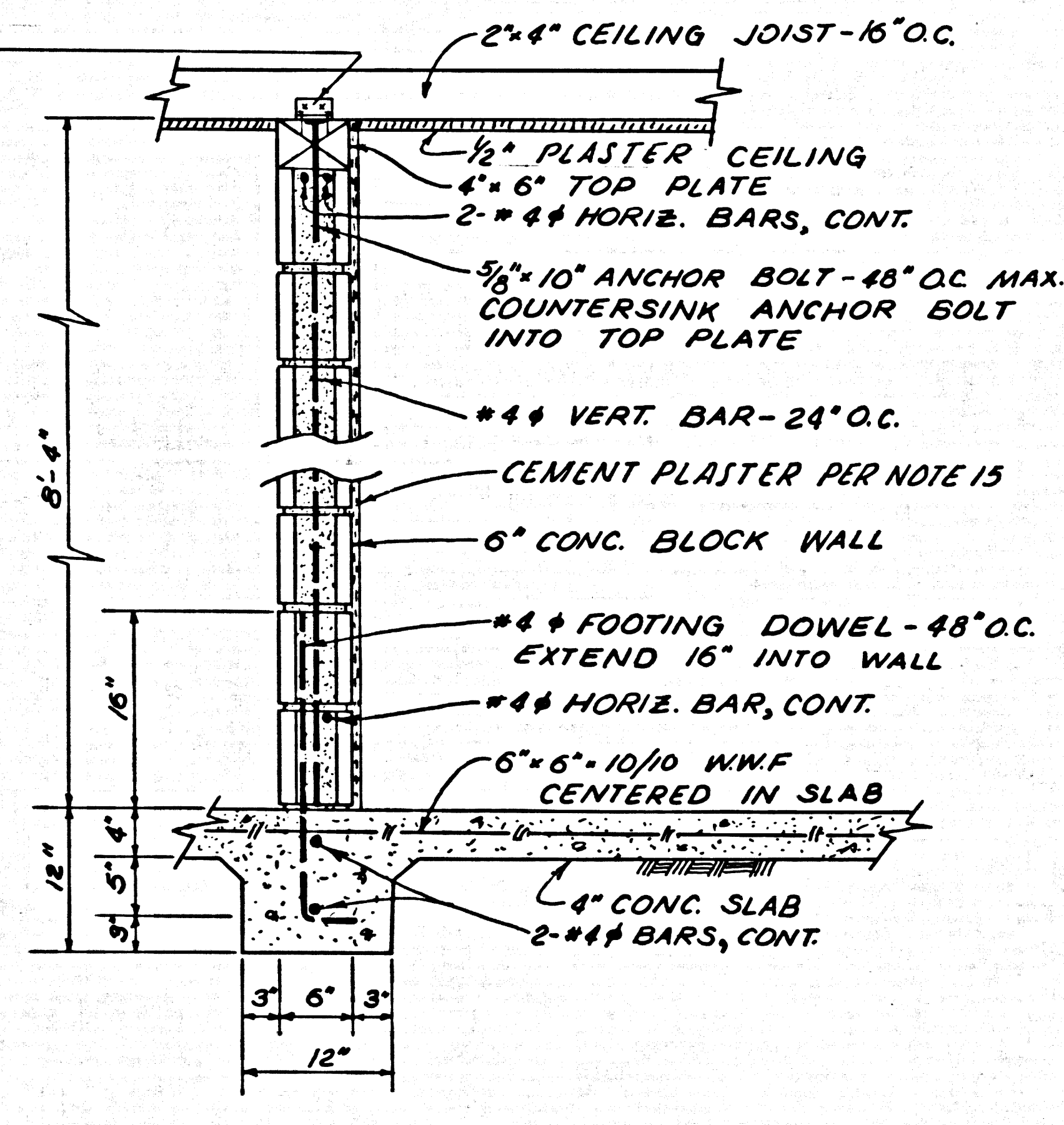
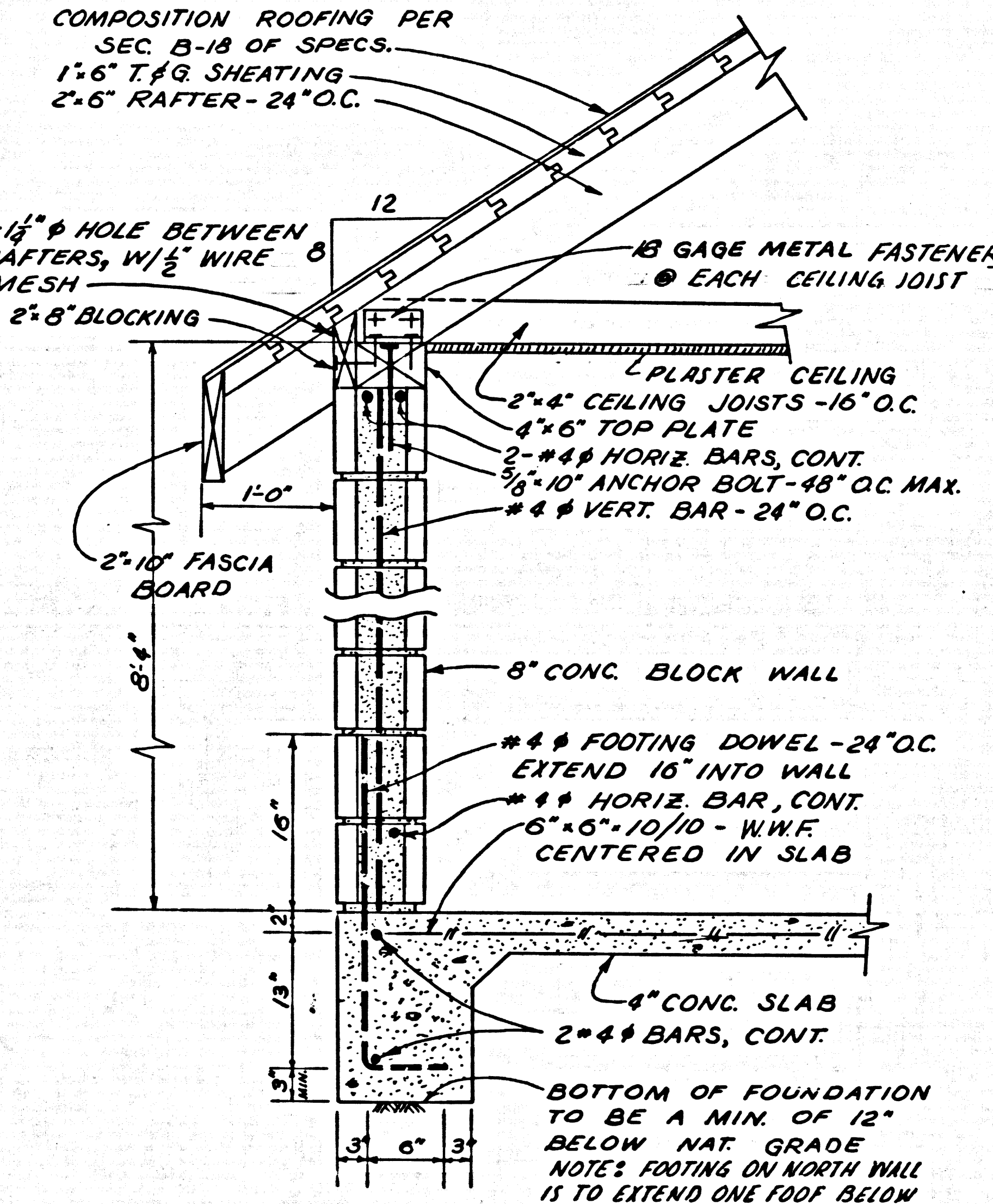
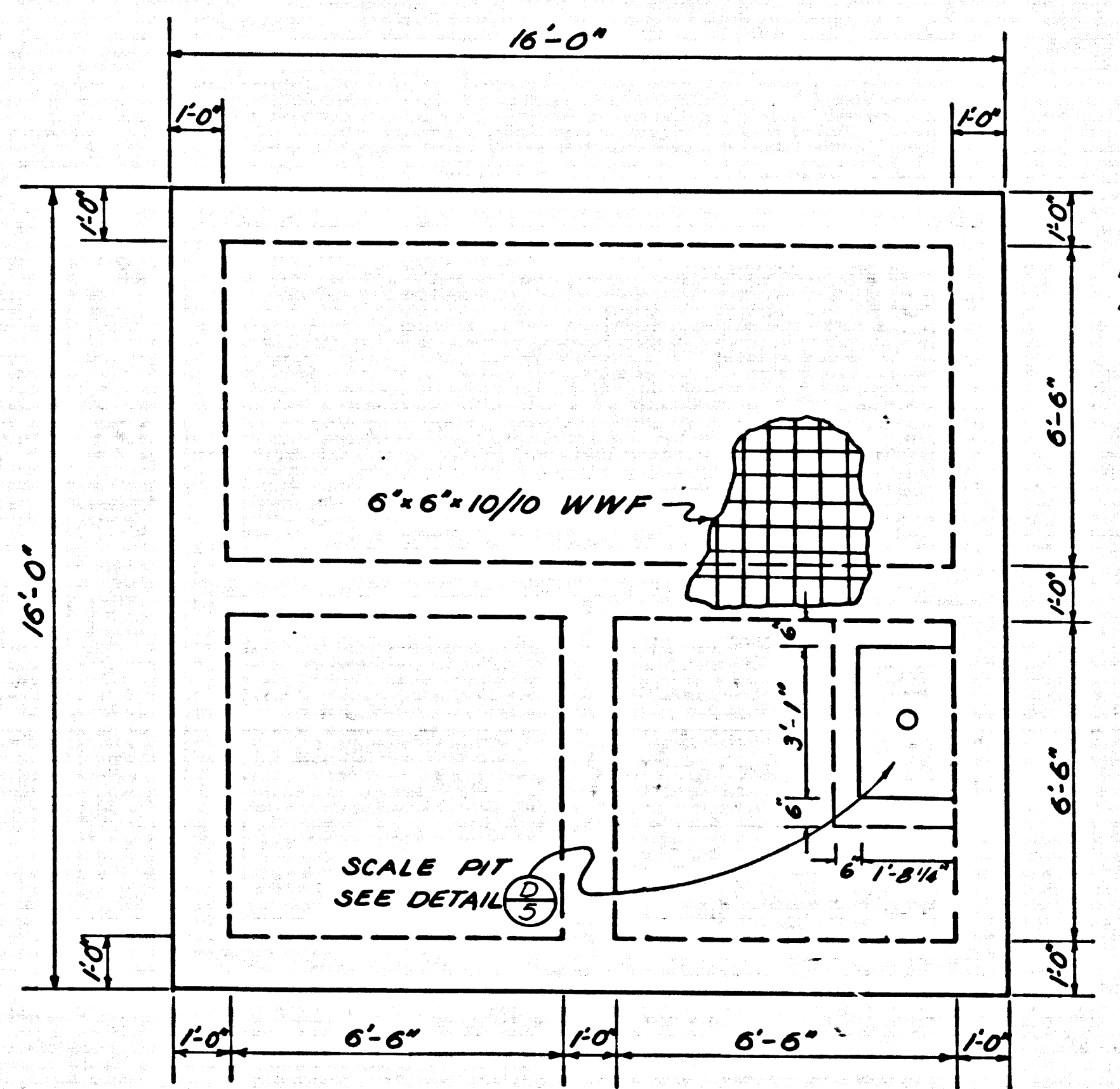
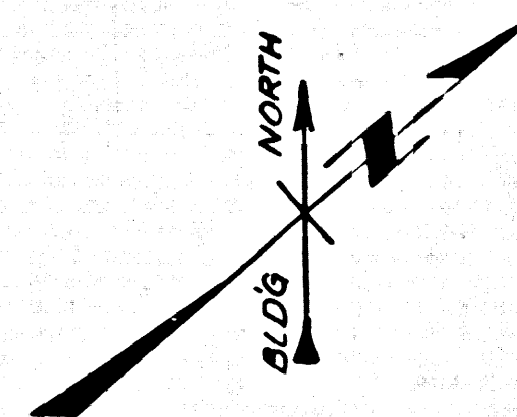
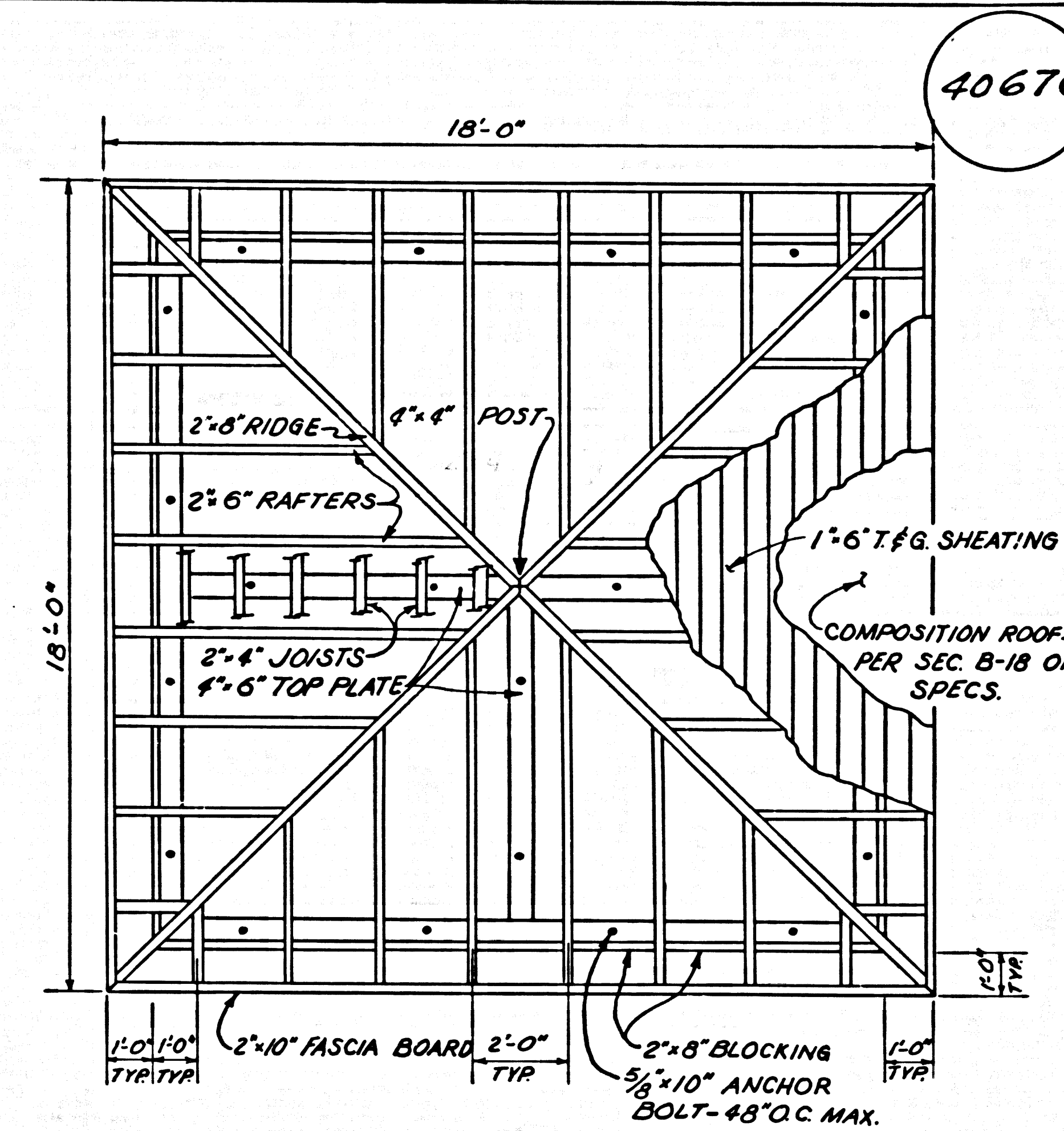
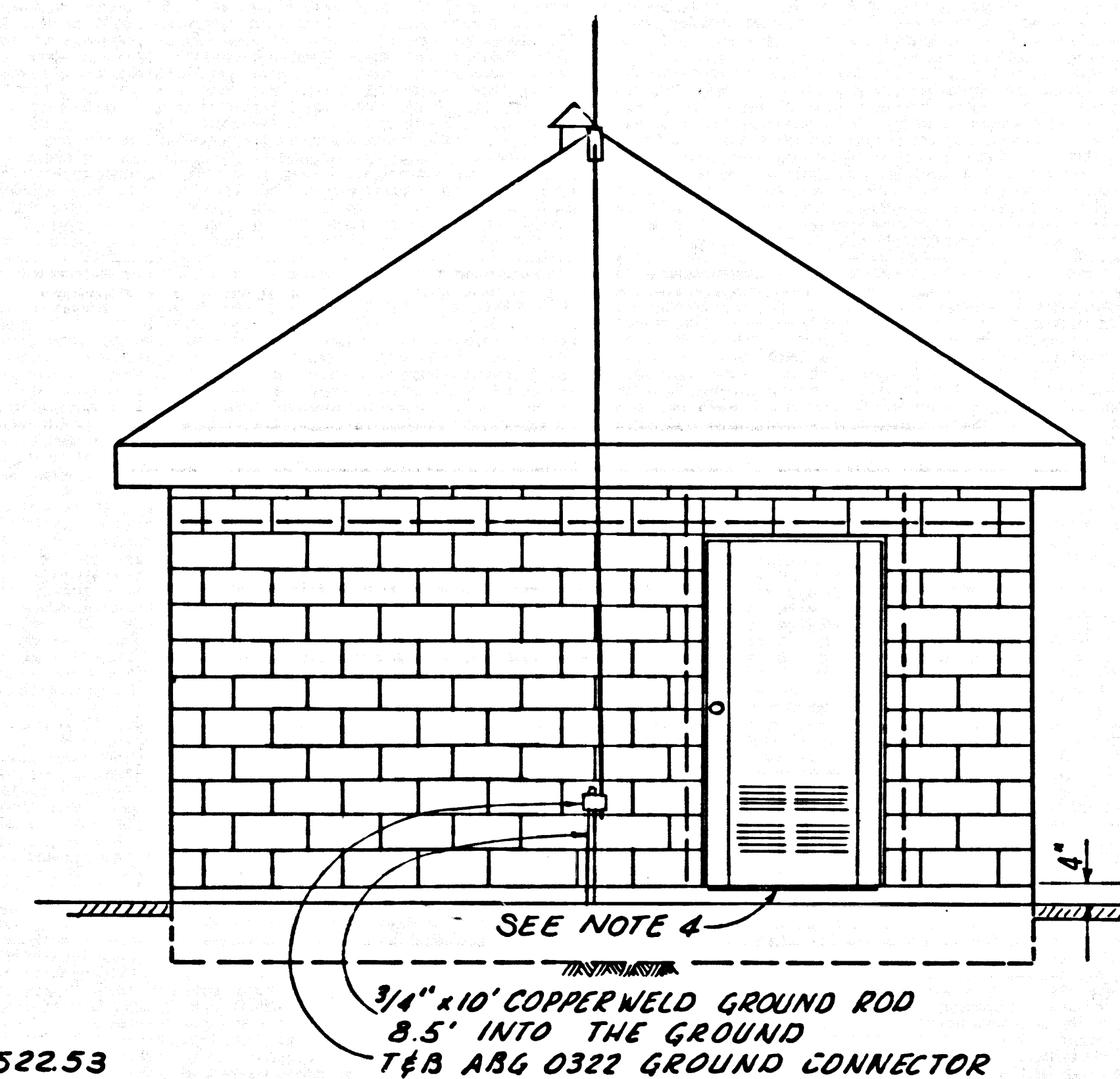
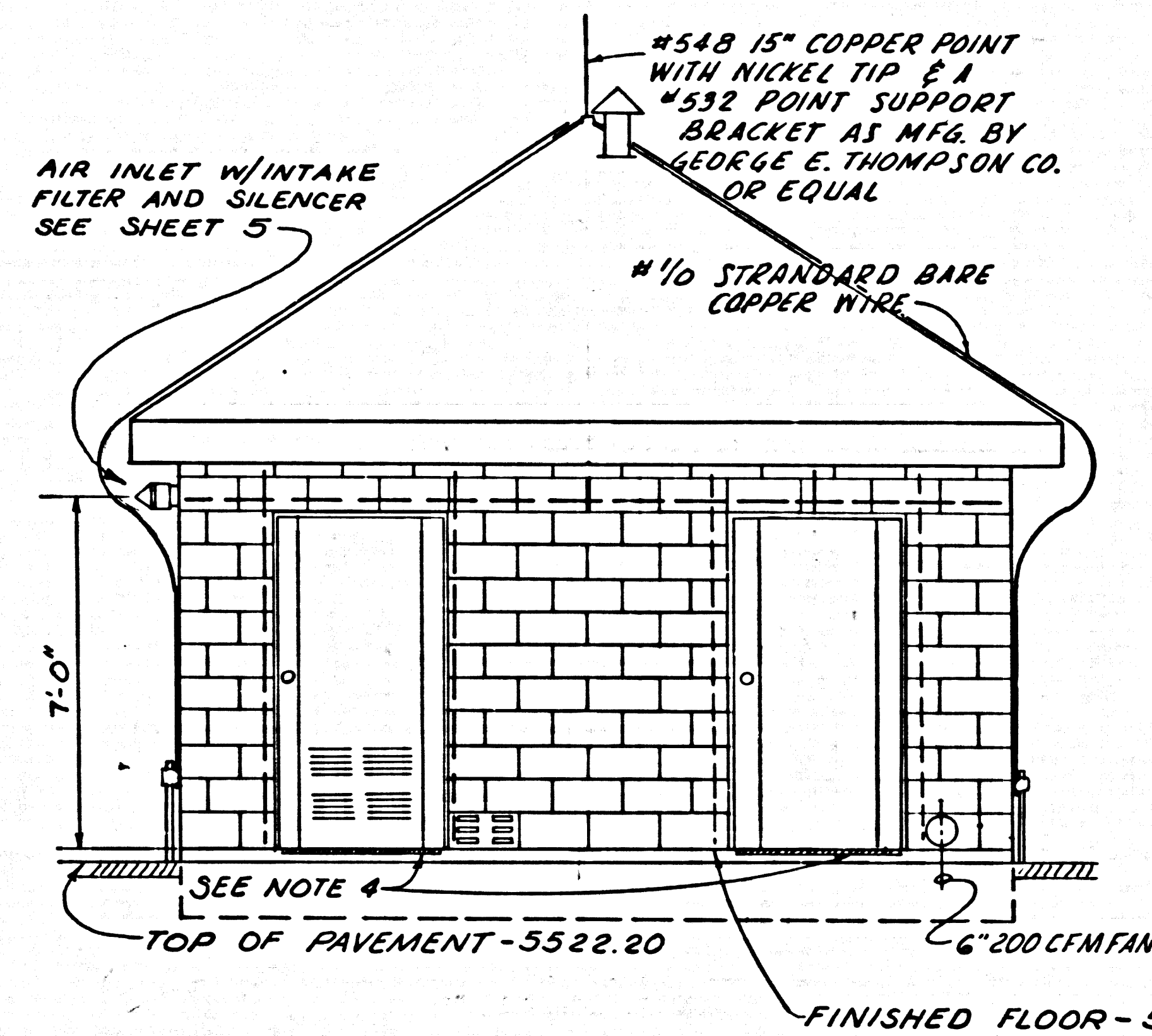
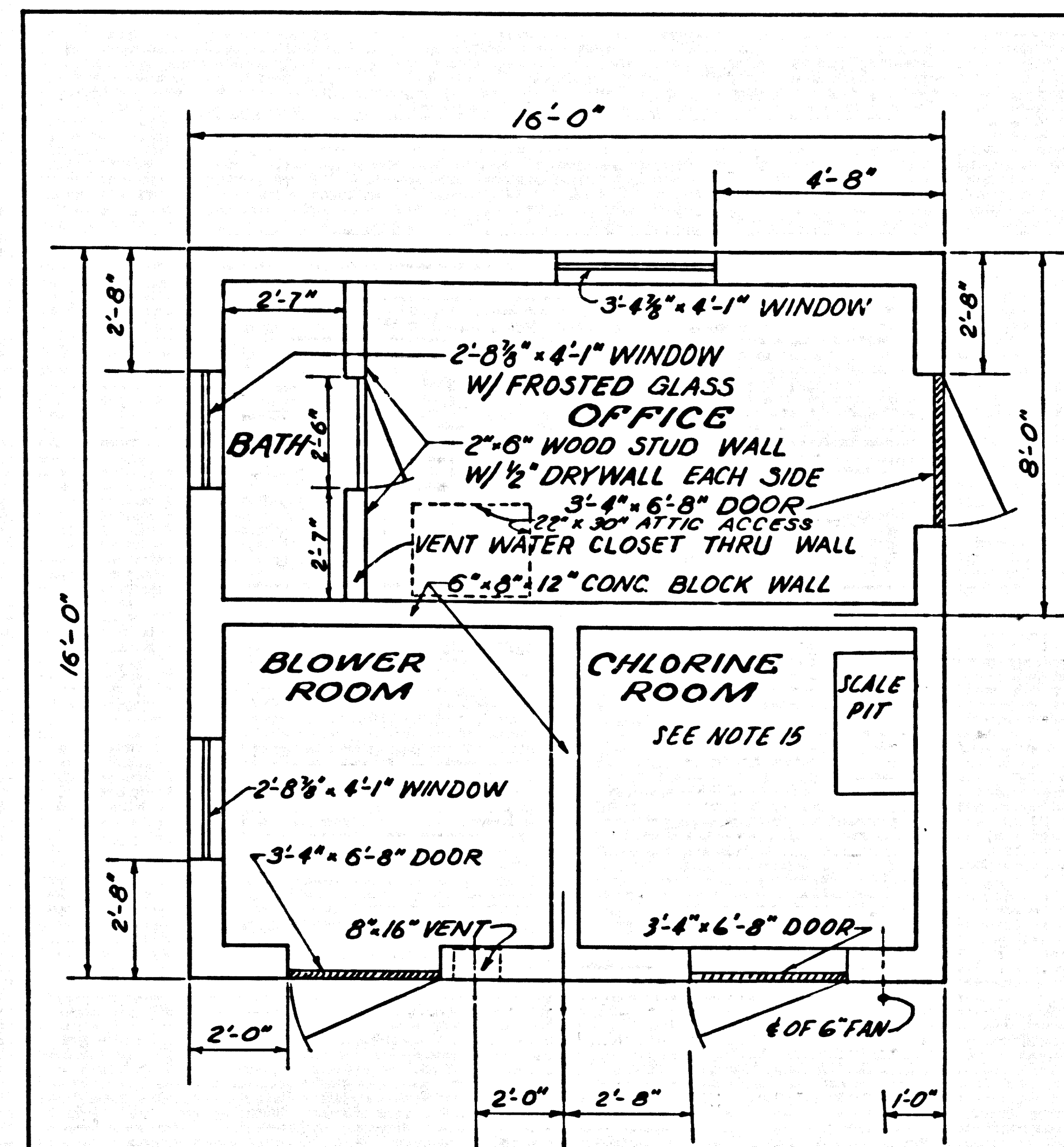
CHLORINE CONTACT CHAMBER

PC. 7103 CAR PROJ. 9692.01

DESIGNED FAUST	TRACED KOPECKY	CHECKED HOWARD
SCALE AS SHOWN	DATE MAY 66	SHEET 6 OF 10 SHEETS

PC. 7103 - CHLORINE CONTACT CHAMBER DETENTION CHAMBER V.13

TRIM LINE



GENERAL NOTES:

1. BACKFILL AROUND STRUCTURES SHALL BE COMPACTED TO 90% RELATIVE DENSITY AT OPTIMUM MOISTURE CONTENT PER SEC. B-14 OF SPECS.
2. EXTERIOR DOORS SHALL BE TRUSCON METAL DOORS, SERIES 57, MODEL 3468-12B, FR, REPUBLIC STEEL CORP OR EQUAL.
3. WINDOWS SHALL BE TRUSCON ALUMINIUM, SERIES 300-P, MODEL A463 A413, REPUBLIC STEEL CORP OR EQUAL.
4. 3" x 2" x 1/8" ANGLE WITH SHORT LEG SET IN THE PLANE OF THE FLOOR. EXTEND THE ANGLE TO WITHIN 1/4" OF THE METAL DOOR JAMB ON EACH SIDE.
5. ALL CELLS CONTAINING VERTICAL STEEL SHALL BE FILLED WITH GROUT.
6. WHEN GROUT POUR EXCEEDS 4 FEET IN HEIGHT AN INSPECTION HOLE IS TO BE PLACED AT THE BOTTOM OF EVERY CELL CONTAINING A VERTICAL REINFORCING BAR. MORTAR DROPPINGS SHALL BE CLEANED OUT OF THE CELL BEFORE THE STEEL IS PLACED.
7. CELLS SHALL NOT BE FILLED BEFORE THEY HAVE BEEN INSPECTED.
8. VERTICAL STEEL SHALL BE IN PLACE AT THE TIME OF INSPECTION.
9. GROUTING SHALL NOT BE DONE THROUGH THE BOND BEAM SEAL.
10. CELLS CONTAINING EMBEDDED BOLTS SHALL BE GROUTED FULL FOR A DISTANCE OF 4 INCHES ABOVE AND 4 INCHES BELOW THE BOLT.
11. BEAM BLOCKS SHALL BE USED TO CARRY HORIZONTAL STEEL, EXCEPT OVER DOORWAYS WHERE CHANNEL BLOCKS SHALL BE USED.
12. THE BEAM BLOCKS SHALL BE LAID OVER STRIPS OF METAL LATH. DO NOT PLACE METAL LATH OVER CELLS THAT ARE TO BE GROUTED.
13. WHERE SPlicing OF REINFORCING BARS IS REQUIRED THE BARS SHALL BE LAPPED A MINIMUM OF 15 INCHES.
14. LUMBER SHALL BE DOUGLAS FIR CONSTRUCTION GRADE.
15. INTERIOR WALLS OF CHLORINE ROOM SHALL BE FINISHED WITH A SMOOTH HARD SURFACE OF CEMENT PLASTER.
16. EXTERIOR WALLS & TRIM TO BE PAINTED TO MATCH EXISTING STRUCTURES, IN ADDITION TO THE REQ. OF SEC. B19 OF SPECS.

EQUIPMENT BUILDING		
PC-7103	CAP PROJ.-9692.01	
DESIGNED: B-HART.	TRACED: B-HART.	CHECKED: HOWARD
SCALE: AS SHOWN	DATE: MAY 66	SHEET 7 OF 10 SHEETS

40670

SHEET 7 - EQUIPMENT BUILDING
PC 7103 - CAP PROJ 9692.01 - DETENTION CAMP W-18

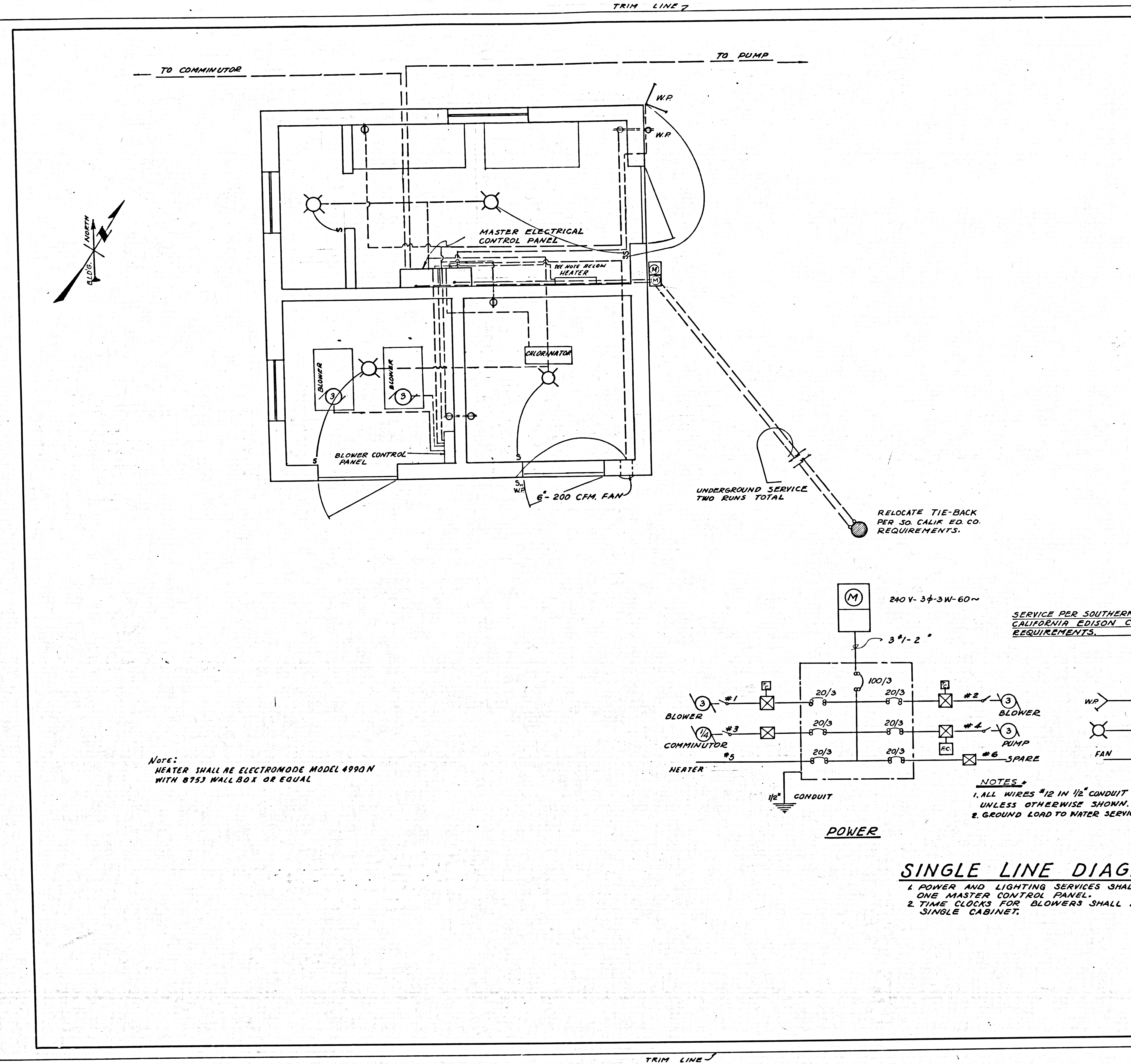
TRIM LINE

TRIM LINE

P.C. 1103-CAP 9901 8235 01-DELEATION CAMP VIO 10

TRIM LINE 2

SHEET 8-ELECTRICAL PLAN 8235 01-DELEATION CAMP VIO 10



LEGEND

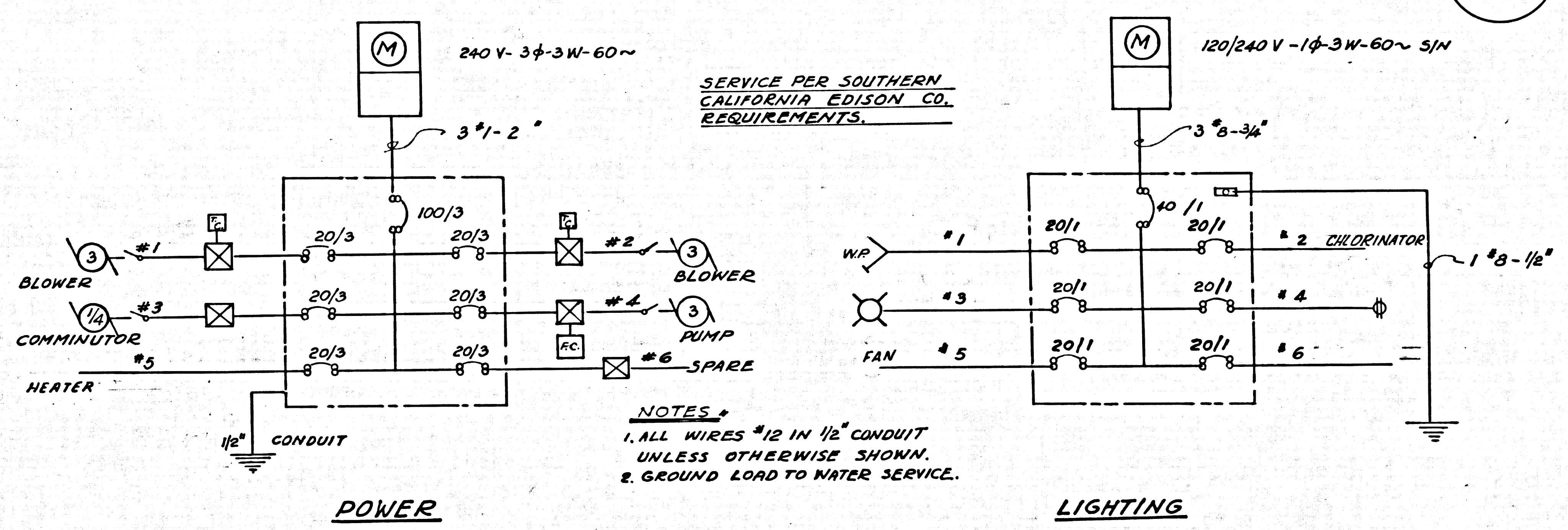
SYMBOL	DESCRIPTION
	MOTOR-NUMBER INDICATES HORSEPOWER
	INTERIOR LIGHT
	DUPLEX CONVENIENCE OUTLET
W.P.	INDICATES ITEM TO BE WEATHER PROOF
---	BURIED CONDUIT
---	EXPOSED CONDUIT
	SINGLE POLE SWITCH
	MAGNETIC MOTOR STARTER
	PUMP FLOAT CONTROL
	TIME CLOCK BLOWER CONTROL
	CIRCUIT BREAKER
	EXTERIOR LIGHT
	MOTOR STARTER SWITCH w/ THERMAL OVERLOAD

LIGHTING LOAD SCHEDULE

CIR. No.	CIR. BKR. AMP	120/240V. A.C. LOAD WATTS		DESCRIPTION
		L1	L2	
1	20 1	2	400	EXTERIOR LIGHTS
2	20 1		100	CHLORINATOR
3	20 1	4	900	INTERIOR LIGHTS
4	20 1	6	1000	CONVENIENCE OUTLETS
5	20 1		400	FAN
6	20 1		600	SPARE
7 & 8	20 1			SPACES
TOTAL:				1700 1700 1700W. + 120V = 14.2 AMPS.

POWER SCHEDULE

CIR. No.	CIR. BKR. AMP	LOAD AMP	DESCRIPTION
2	20 3	9	3 HP BLOWER MOTOR
3	20 3	1	1/4 HP COMMUNUTOR MOTOR
4	20 3	9	3 HP PUMP MOTOR
5	20 3	9	HEATER
6	20 3	9	SPARE
7 & 8			SPACES
TOTAL			46 46 + 30 = 76 AMPS.



NOTE: HEATER SHALL BE ELECTROMODEL MODEL 4990M WITH 8753 WALL BOX OR EQUAL

NOTES:
1. ALL WIRES #12 IN 1/2" CONDUIT UNLESS OTHERWISE SHOWN.
2. GROUND LOAD TO WATER SERVICE.

SINGLE LINE DIAGRAMS

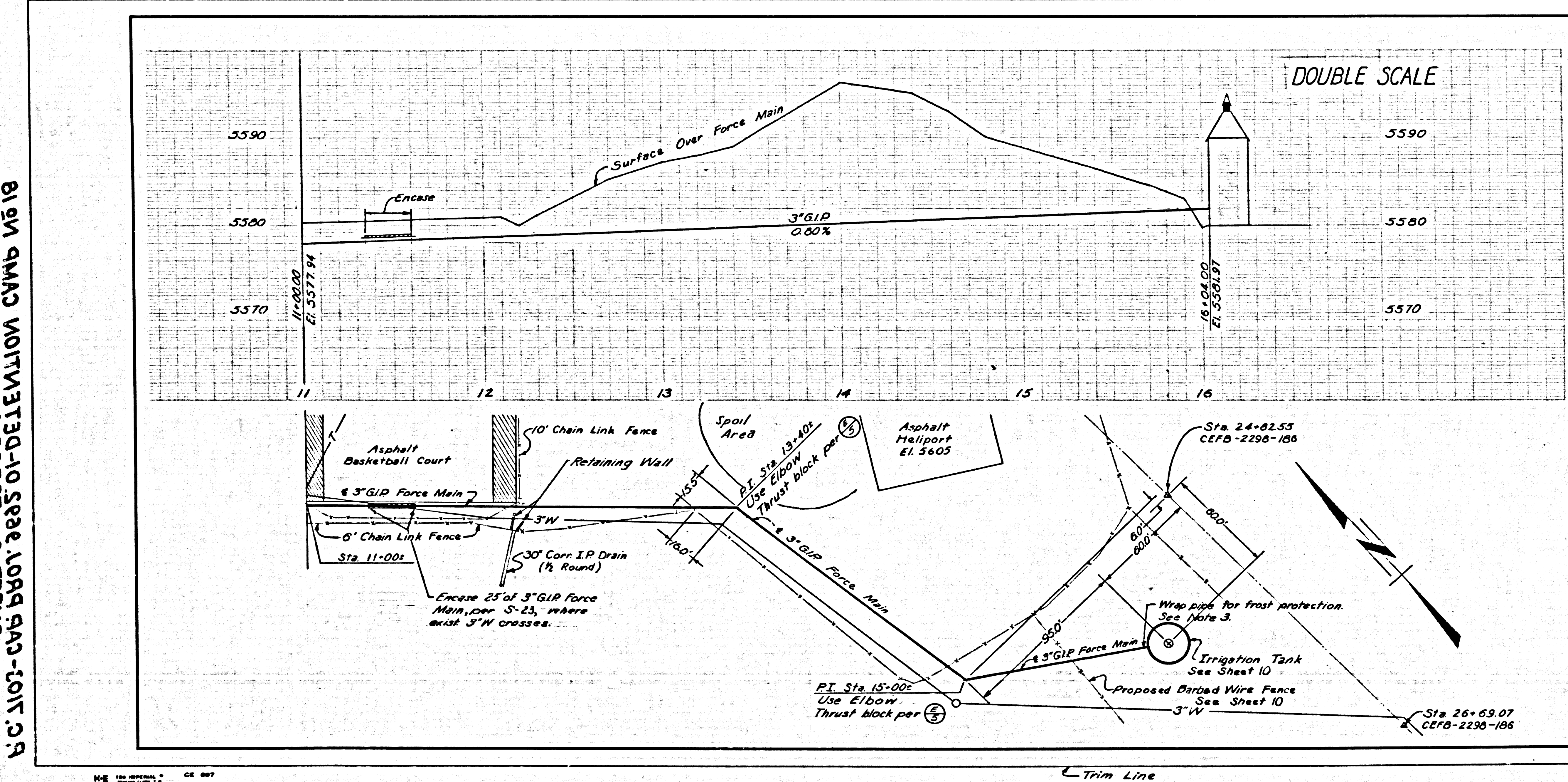
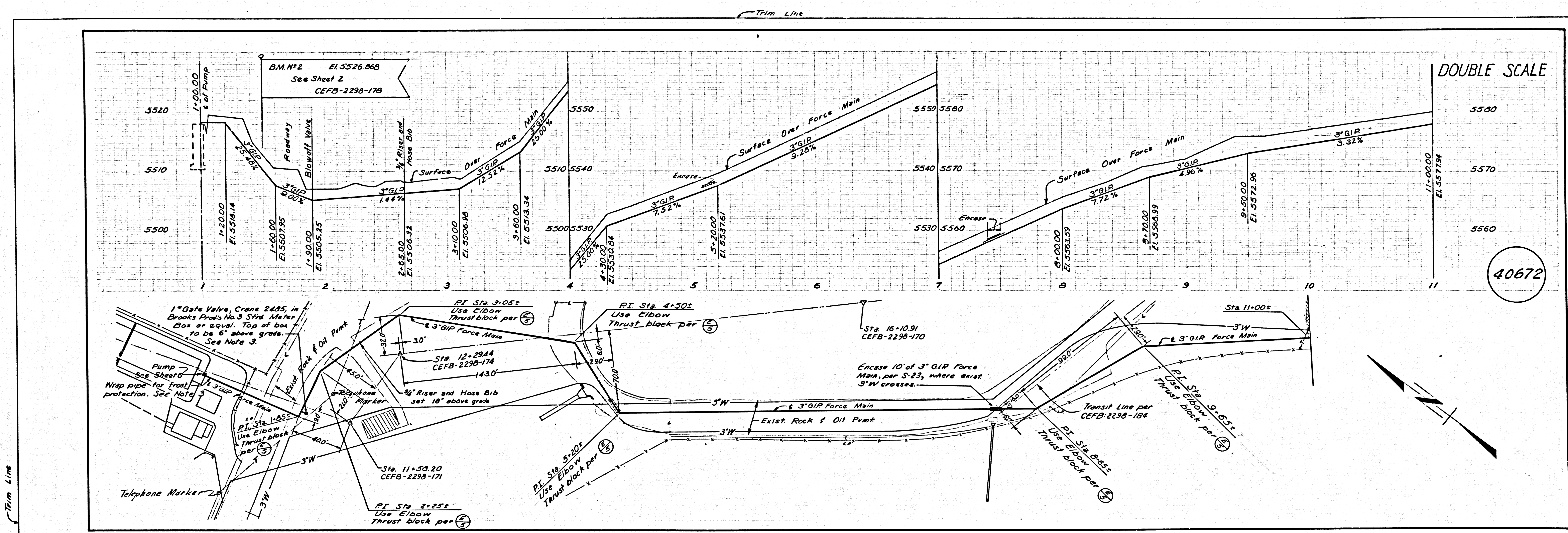
1. POWER AND LIGHTING SERVICES SHALL BE IN ONE MASTER CONTROL PANEL.
2. TIME CLOCKS FOR BLOWERS SHALL BE IN A SINGLE CABINET.

ELECTRICAL PLAN

P.C. 7103	CAP PROJ. 9692.01	
DESIGNED: <i>FAUST</i>	TRACED: <i>OBRAD.</i>	CHECKED: <i>HOWARD</i>
SCALE: 1/2" = 1'-0"	DATE: <i>MAY 66</i>	SHEET 8 OF 10 SHEETS

40671

BLOWN CAMP MOUNTAIN TO SEE 01-1000 040-1017 09
 01-1000 040-1017 09



- NOTES:**
1. For legend see Standard Plan No. S-1.
 2. Approval of this plan by the County of Los Angeles does not constitute a representation as to the accuracy of the location of or the existence or non-existence of any underground utility pipe, or structure within the limits of this project.
 3. Frost protection for exposed piping. All piping and fittings above ground and to a point 1 foot below the ground surface shall be insulated as per section 8-30 of specifications.
 4. The force main shall have a continuous 2" wide strip of yellow paint. The paint is to be of a type which is suitable for underground conditions.

FORCE MAIN TO RESERVOIR		
PC 7103	CAPPROJ 9692.01	
DESIGNED: FAUST	TRACED: B-HART	CHECKED: HOWARD
SCALE: HORIZ: 1"=40'	DATE: MAY '64	SHEET 3 OF 10 SHEETS

SHEET 3 - FORCE MAIN TO RESERVOIR
 B.C. 1103-CWB FROM 2298-178 DELETION CWB 0618

40672

