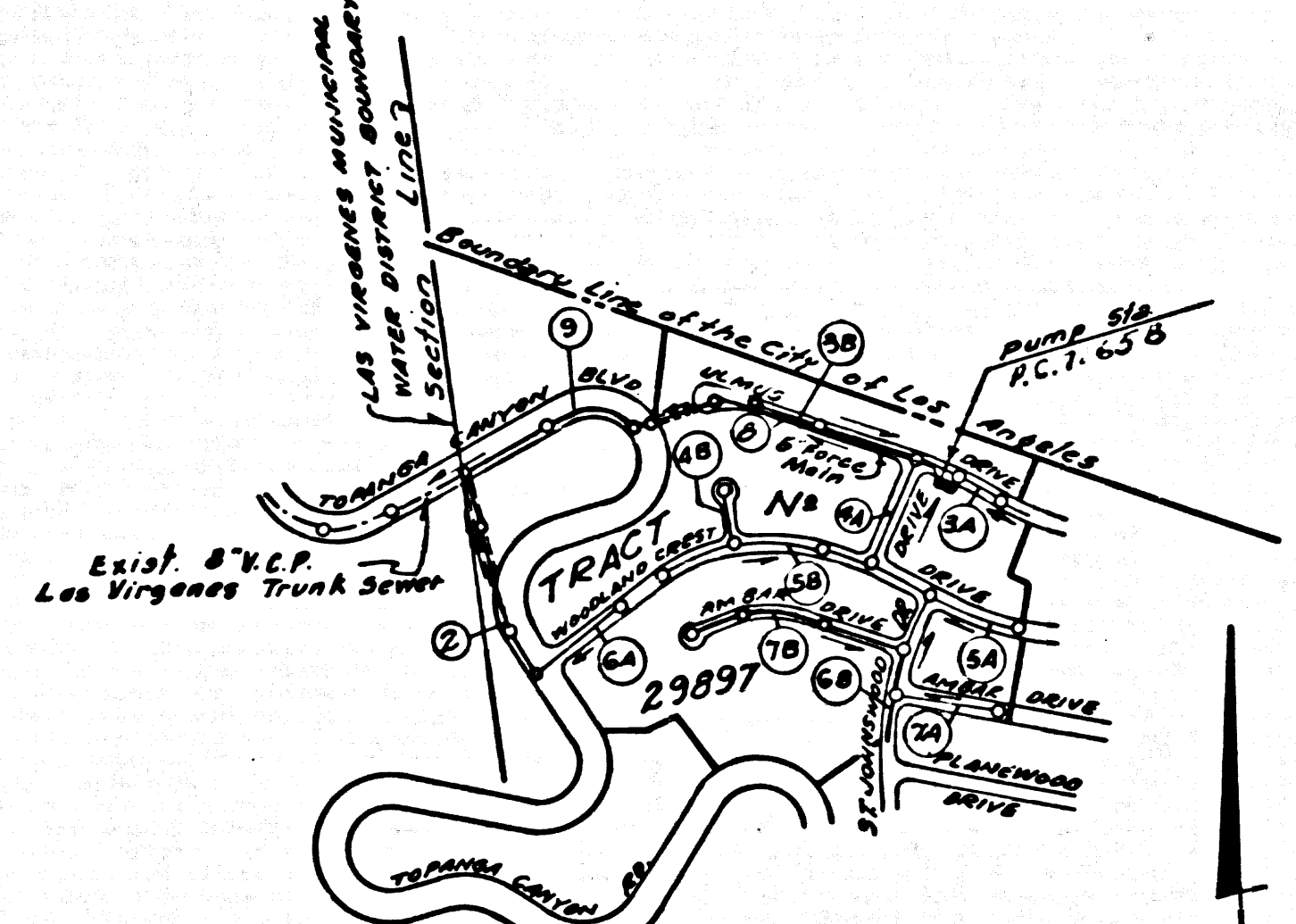
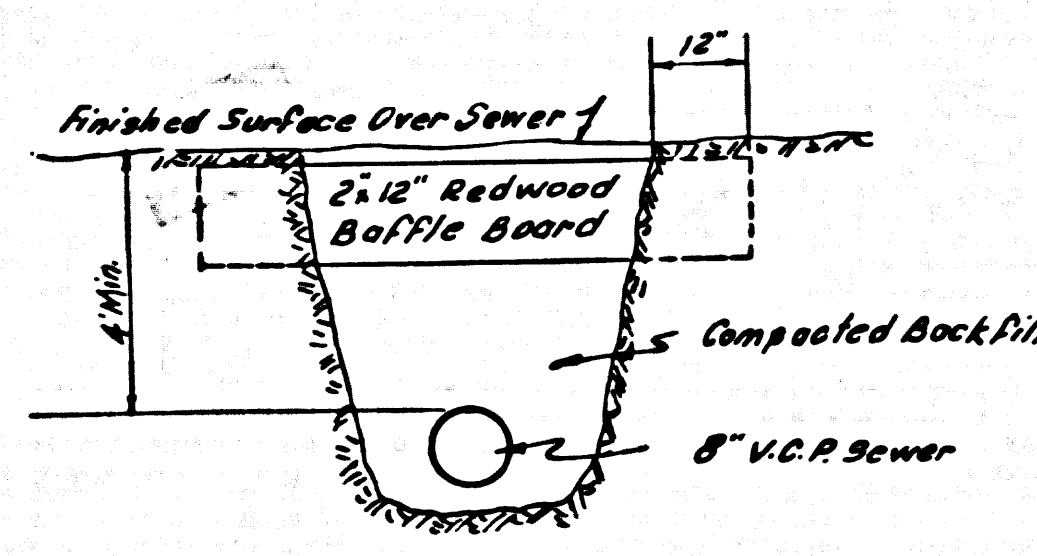


B.M. 5Y-5558 ELEV. 1200.774
 L.A. City Br. Cup Man. in Conc. 3" below
 surface on Toranga Canyon Rd. 2 mi. N.
 Toranga Summit 2.40 N. of N. Edge of
 Part along prominent ridge Mt. City of
 L.A. Dept. of Public Works 10-210, 1950
 M.H. 1100 QX40, 1960



INDEX MAP
 TRACT NO. 29897
 P.C. 7165
 Scale: 1" = 600'

Note: Numbers in circles indicate Page Number.



BAFFLE BOARD DETAIL
 No Scale

1. Each end of Baffle Board will extend one foot into undisturbed ground.
2. The upper layer of backfill to be one foot on top soil. Top soil shall be topped in place & planted with mustard & ryegrass seed & adequately watered until growth is restored.
3. Baffle Boards shall be spaced so that the top of the lower board shall be level with the bottom of the next higher board.
4. If 90% compaction is obtained in the backfill within the tract, baffles will not be required.

20. WHERE STATIONS ARE SHOWN AT THE END OF HOUSE LATERALS, THE LOCATION OF SUCH HOUSE LATERALS SHALL NOT BE MOVED UP GRADE FROM THE STATION INDICATED. HOWEVER THE STATION FOR LOT 36 SHALL NOT BE MOVED DOWN GRADE FROM THE STATION INDICATED.

REVISION Sept 1968
 Page 68 St. Johnwood Dr.
 Revise Sewer Grade & Alignment by
 of Sta. 21887
 Approved: *Baronard H. Vandenby*
 Office of County Engineer

ISSUE NO HOUSE CONNECTION PERMITS - CALL SANITATION DIVISION.

DOUBLE SCALE
CALABASAS BLDG. DIST. NO. 9.1

- NOTE:
1. PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
 2. NO REPRESENTATIVE OF THE COUNTY ENGINEER WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
 3. THE PRIVATE ENGINEER SHALL FURNISH THE COUNTY ENGINEER WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND TRENCHES AND SHALL PROVIDE STAKES FOR THEM AT THEIR PROPER LOCATIONS WITH STATIONING PLAINLY MARKED. ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT ALIGNMENT AT RIGHT ANGLES FROM THE MAIN LINE SEWER EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS FROM CHIMNEYS SHALL NOT HAVE AN ANGLE OF LESS THAN 45° WITH THE MAIN LINE SEWER. ANY CHANGE IN ALIGNMENT SHALL BE REQUESTED BY THE PRIVATE ENGINEER.
 4. THE PRIVATE ENGINEER SHALL FURNISH THE HOUSE LATERAL DEPTH AT THE PROPERTY LINE BELOW THE TOP OF CURB ELEVATION FOR EACH HOUSE LATERAL ON THE GRADE SHEET.
 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, MADISON 9-4747, EXT. 8558, AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THE CONTRACT.
 7. MANHOLES SHALL BE BRICK SEWER STRUCTURES PER S-3. PRECAST CONCRETE MANHOLES PER S-4 OR S-6 MAY BE USED AS AN ALTERNATE IN LOCATIONS APPROVED BY THE COUNTY ENGINEER.
 8. USE STANDARD MANHOLE FRAMES AND COVERS, S-12, EXCEPT AS NOTED.
 9. MANHOLE TOPS IN UNIMPROVED RIGHTS-OF-WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
 10. USE EXTRA STRENGTH PIPE, ALL PIPE IS STANDARD DEPTH EXCEPT AS NOTED.
 11. USE MECHANICAL COMPRESSION JOINTS FOR ALL V.C.P. JOINTS PER SPECS. SECS. 34, 48 & 49.
 12. WHERE EVER GROUND WATER IS ENCOUNTERED DURING THE CONSTRUCTION OF THE SEWERS, THE V.C.P. JOINTS SHALL BE OF JOINT COMPOUND PER SPECS. SECS. 33 & 40, OR MECHANICAL COMPRESSION JOINTS PER SPECS. SEC. 34.
 13. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED, PER S-23, TWO FEET ON EITHER SIDE FROM THE POINT OF INTERFERENCE.
 14. IF DURING THE COURSE OF CONSTRUCTION IT IS DETERMINED THAT THERE IS LESS THAN FOUR FEET OF COVER OVER THE TOP OF A MAIN LINE OR HOUSE LATERAL V.C.P. SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER S-23 UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
 15. HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE... FEET BELOW CURB GRADE EXCEPT AS NOTED.
 16. BRUSHFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
 17. FOR ALLOWABLE LEAKAGE TEST USE FORMULA NO. 1, SPECS. SEC. 54.
 18. ALL STATE AND LOCAL TRENCH SAFETY ORDERS WILL BE RIGIDLY ENFORCED.
 19. CONSTRUCTION IN FILLED AREAS:
 - a. AN ACCEPTABLE CERTIFICATION OF COMPACTION TESTS RESULTS SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION. CONSTRUCTION YEARS ARE TO BE MADE IN ACCORDANCE WITH ASTM STANDARD METHOD OF TEST, D1557-57T.
 - b. NO CONSTRUCTION IS PERMITTED IN THE FILLED AREAS WHERE THE RELATIVE DENSITY OF COMPACTION IS LESS THAN 80%.
 - c. IF THE RELATIVE DENSITY OF COMPACTION IS LESS THAN 80% ON MAIN LINE AND HOUSE LATERALS SHALL BE GRADED PER S-23 OR HAVE A SPECIAL BASE COURSE PER S-21.
 - d. IF THE RELATIVE DENSITY OF COMPACTION IS 80% OR GREATER THE SPECIAL PROVISIONS IN C ARE NOT REQUIRED.

PROFILE ALIGNMENT AND GRADE OF
SANITARY SEWERS PAGE 1
 TO BE CONSTRUCTED IN

TRACT NO. 29897
PRIVATE CONTRACT NO. 7165

W.S. 60
 3 SHEETS, 9 PAGES
 SCALE: VERT. 1" = 8'
 HORIZ. 1" = 40'
 SEPT. 1968
 PREPARED IN THE OFFICES OF

MCINTIRE & QUIROS, INC.
Ray E. Quiros
 REG. C. E. NO. 11758

37686

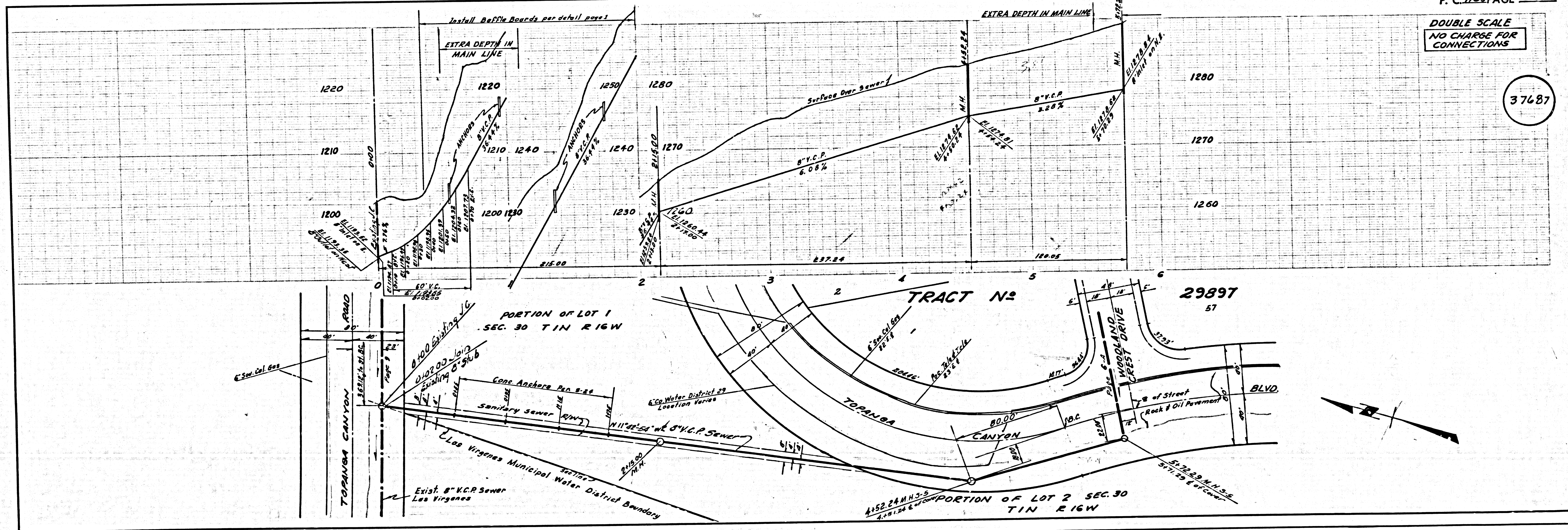
FOR LEGEND SEE PLAN NO. S-1

NOTE:
 GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURB, CENTER LINE OF STREETS, OR CENTER LINE OF ALLEYS ARE SHOWN BY CIRCLES ON PROFILES. AT ALL POINTS BETWEEN DESIGNATED POINTS THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE DRAWN BETWEEN SAID DESIGNATED POINTS. ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. MEAN LEVEL DATUM OF 1929.
 THIS DRAWING AND THE DATA HEREON ARE HEREBY MADE A PART OF THE SPECIFICATIONS.
 WORK SHALL BE CONSTRUCTED ACCORDING TO STANDARD SPECIFICATIONS STATE SPEC. 25.782, ON FILE IN THE OFFICE OF THE COUNTY ENGINEER AND THE DATA HEREON ARE HEREBY MADE A PART OF THE COUNTY ENGINEER.
 BEFORE WORK CAN BE STARTED, THE CONTRACTOR MUST OBTAIN A PERMIT TO GRAVE IN COUNTY STREETS FROM THE L.A. COUNTY ROAD DEPT., DISTRICT OFFICE NO. 1, AND PAY A FEE TO THE COUNTY ENGINEER, ROOM 300, COUNTY ENGINEERING BUILDING, 100 WEST SECOND STREET, LOS ANGELES, CALIFORNIA, 90012. REGIONAL OFFICE, SUFFICIENT TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.
 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 PAGES.
 IF WORK IS TO BE DONE IN A STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 120 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.

COUNTY OF LOS ANGELES, CALIFORNIA
 JOHN A. LAMBIE, COUNTY ENGINEER
 LAS VIRGENES MUNICIPAL WATER DISTRICT
 APPROVED BY: *Baronard H. Vandenby* ASSISTANT SANITATION ENGINEER
 APPROVED BY: *John A. Lambie* OFFICE ENGINEER 12-3-68

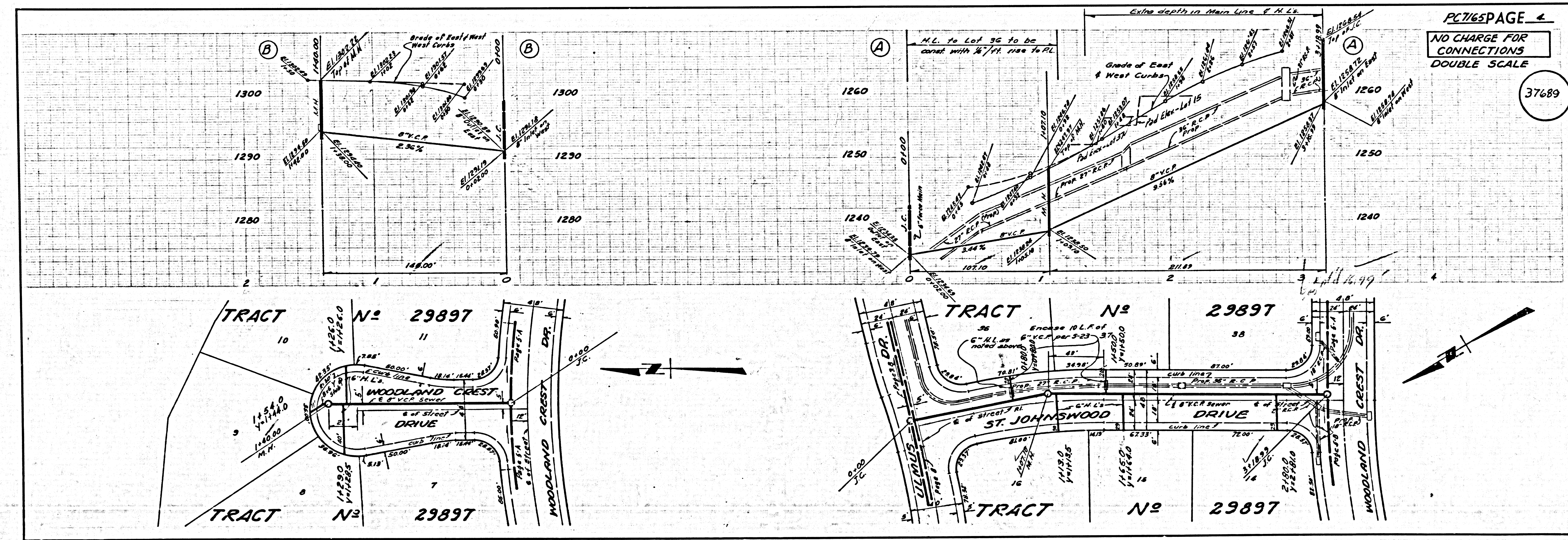
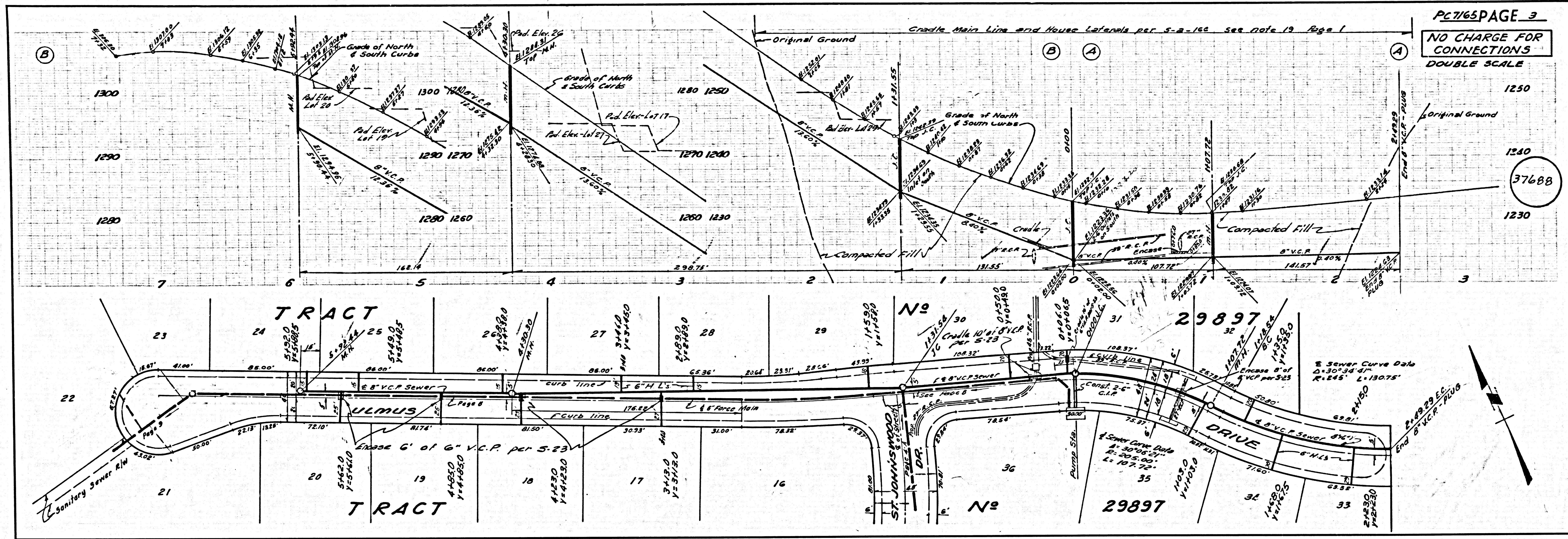
CHECKED BY: *Baronard H. Vandenby*
 REG. C. E. NO. 105653

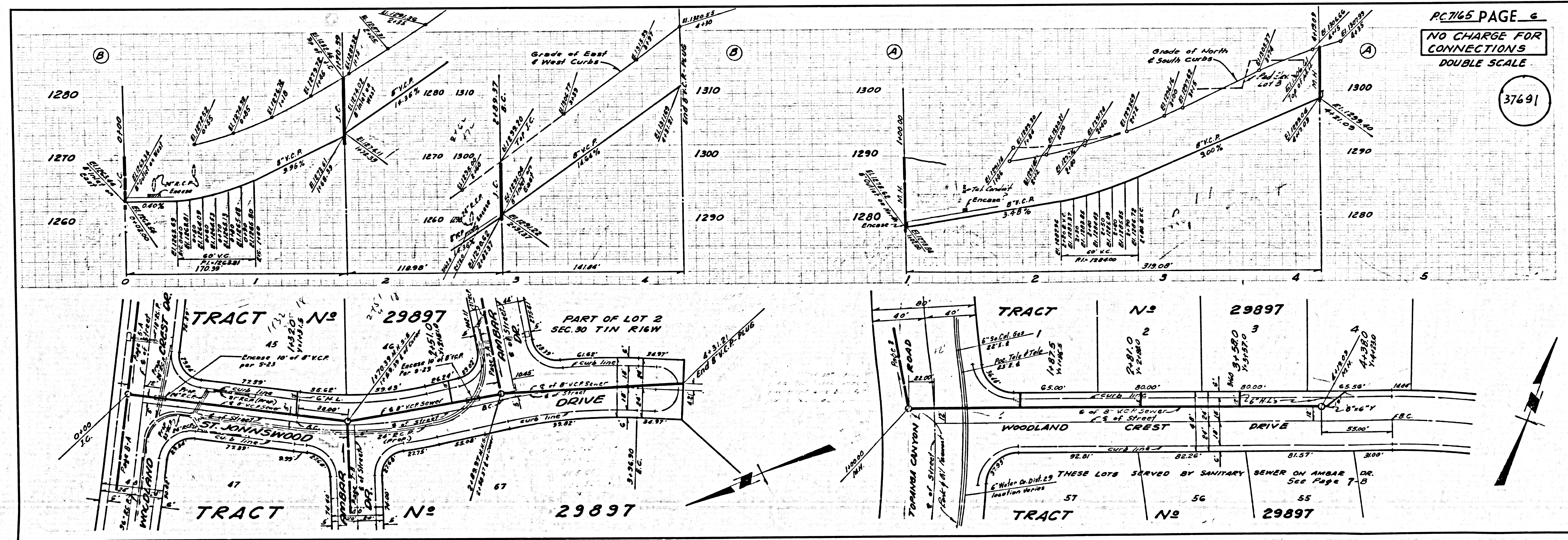
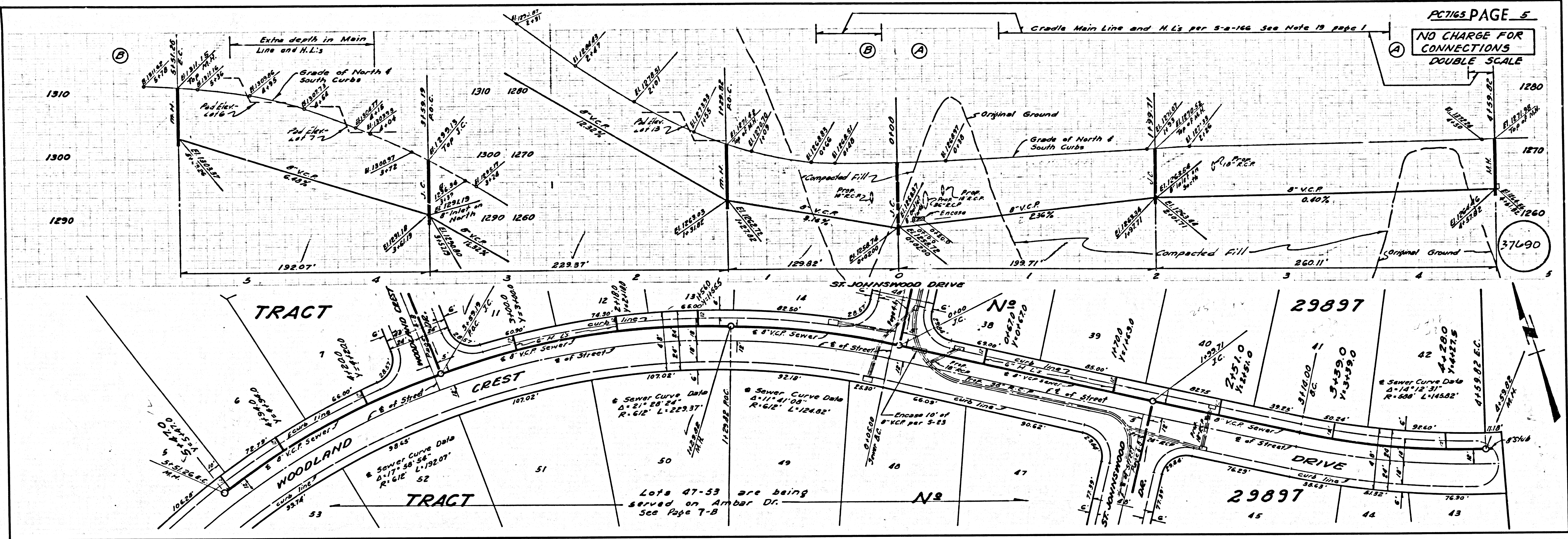
J. N. 036438

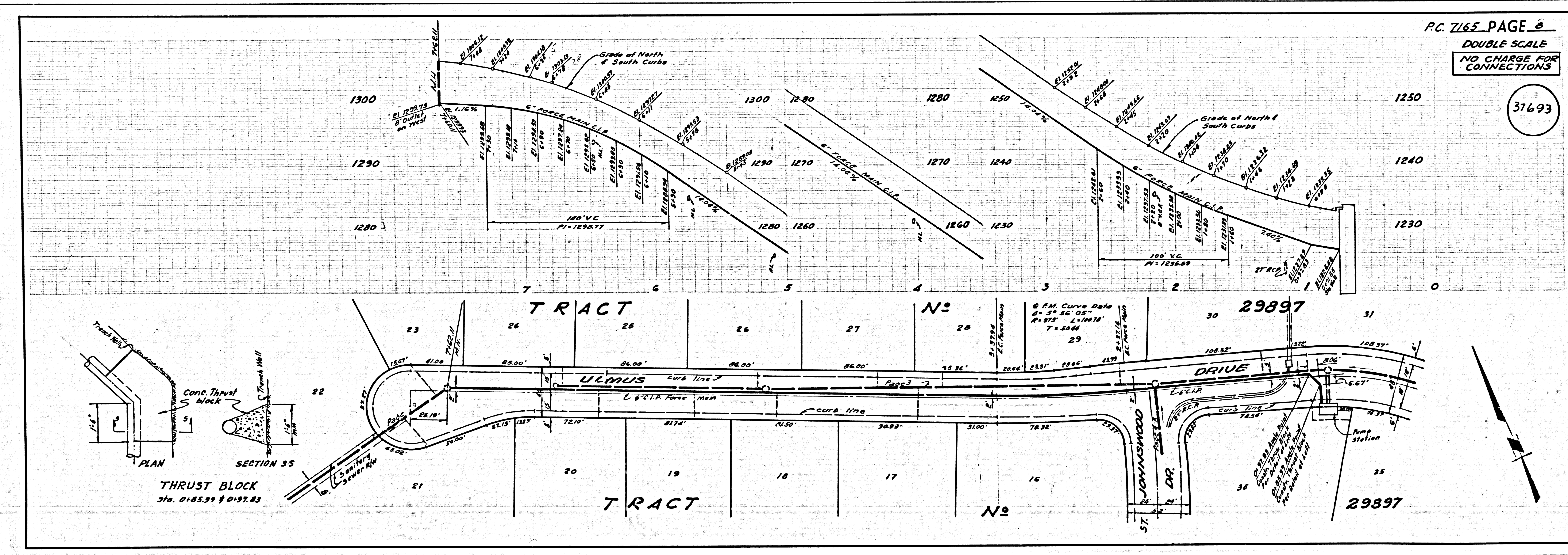
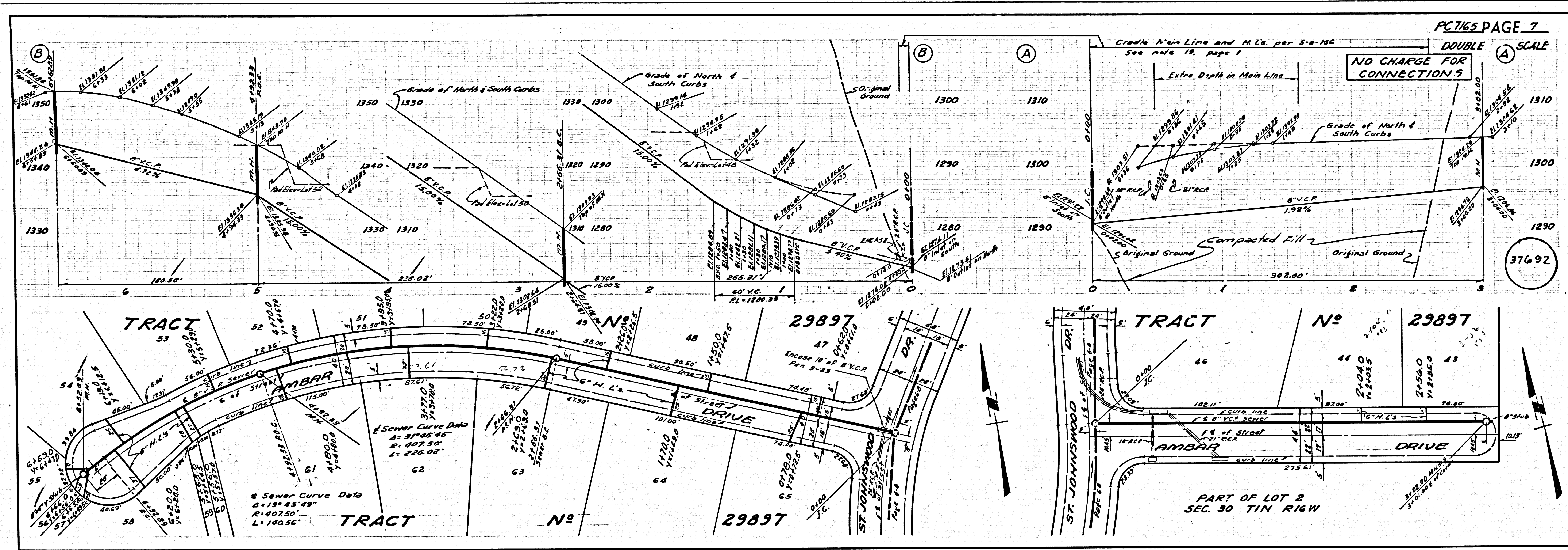


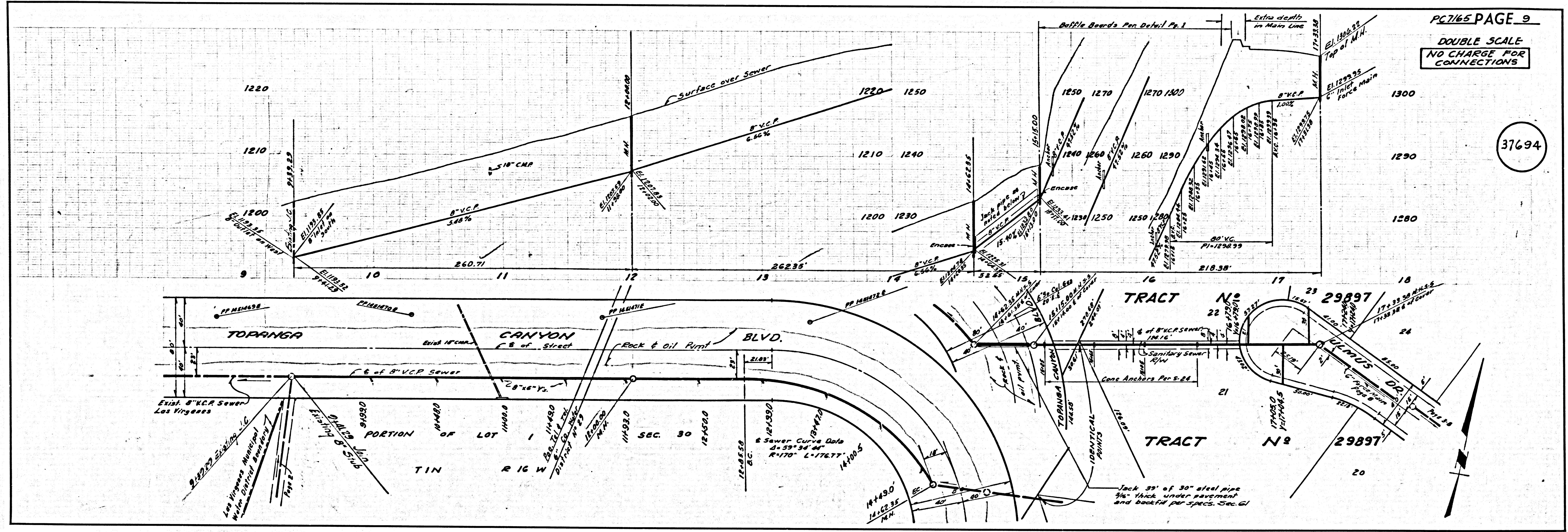
P. C. 7165 PAGE 2
DOUBLE SCALE
NO CHARGE FOR CONNECTIONS

37687



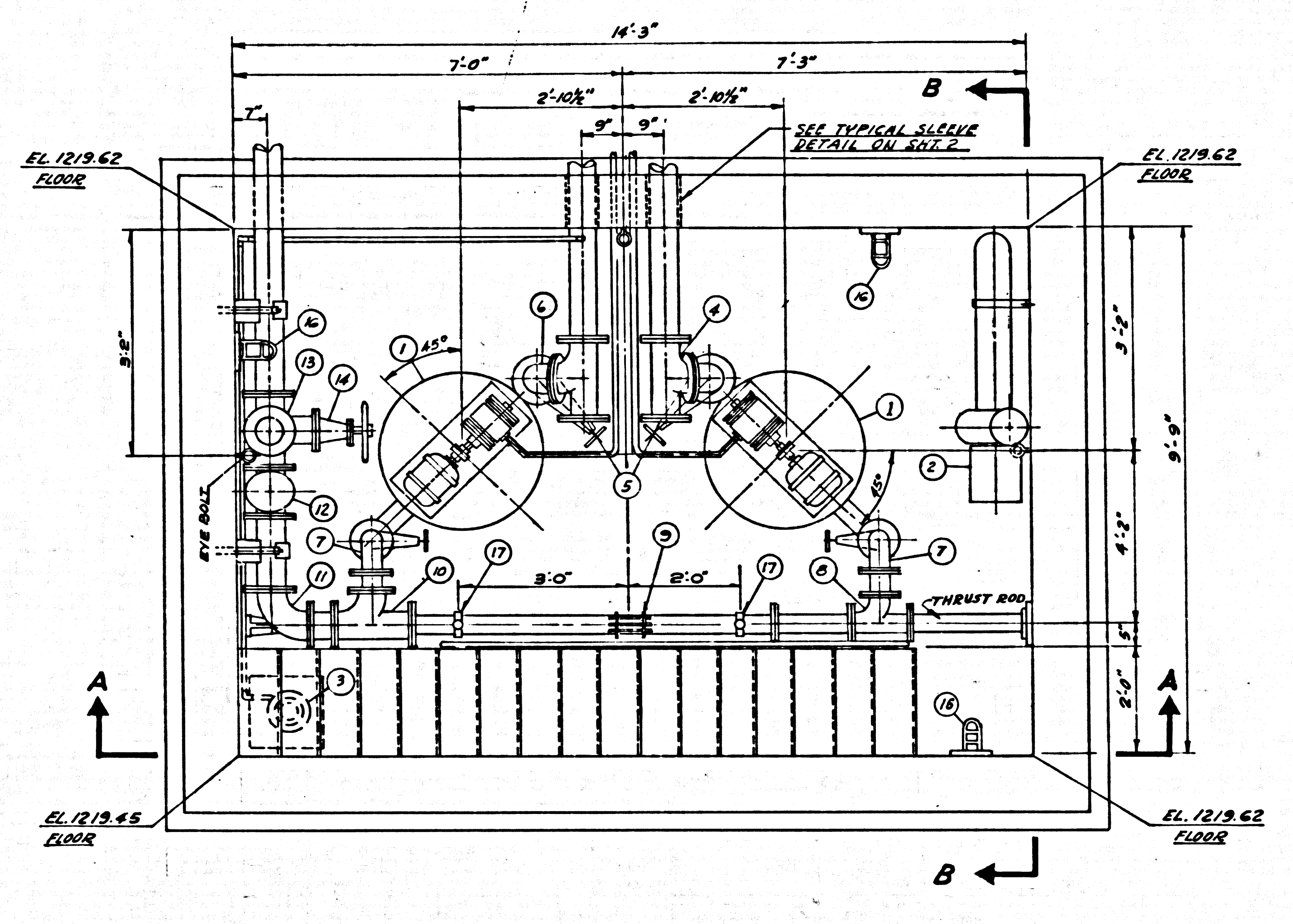




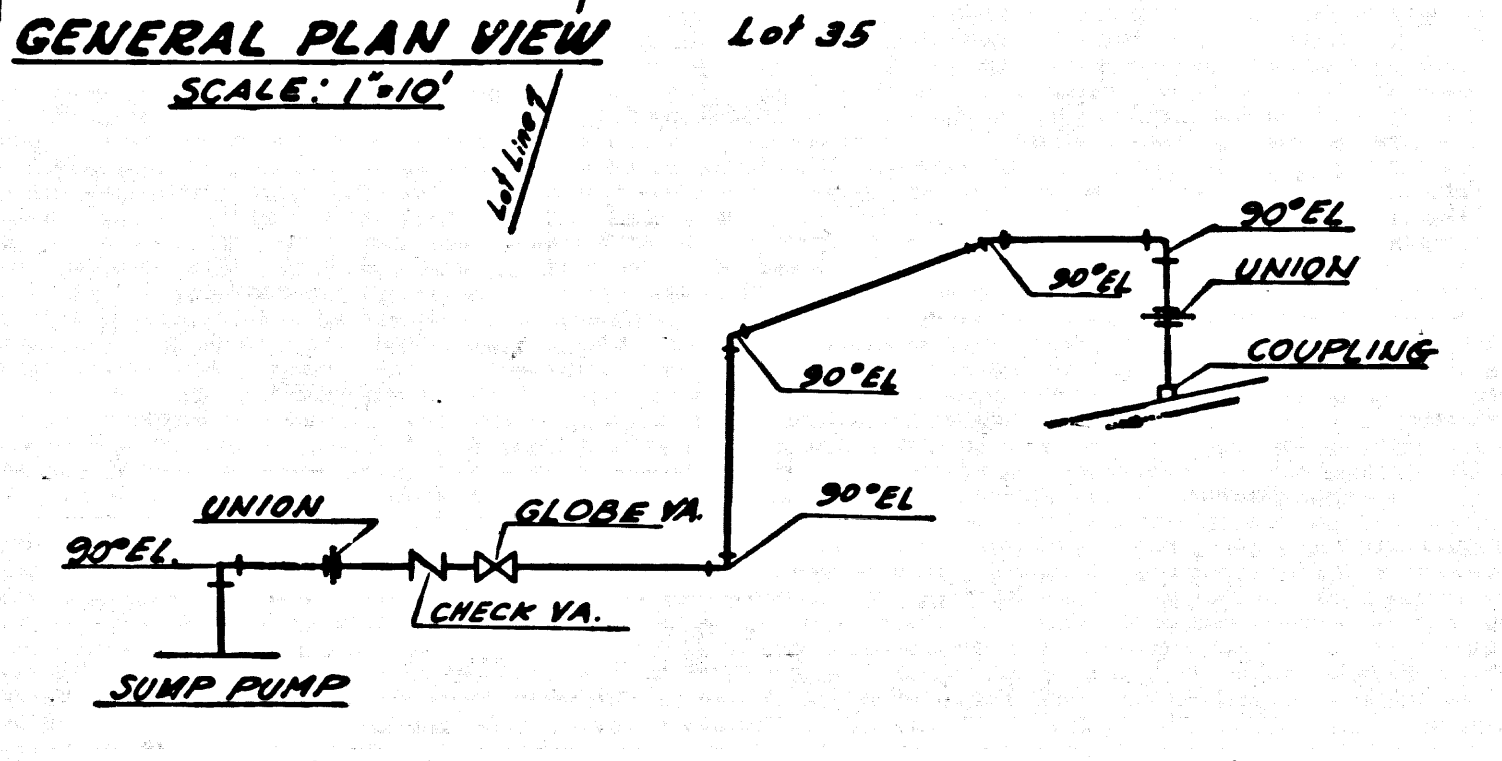
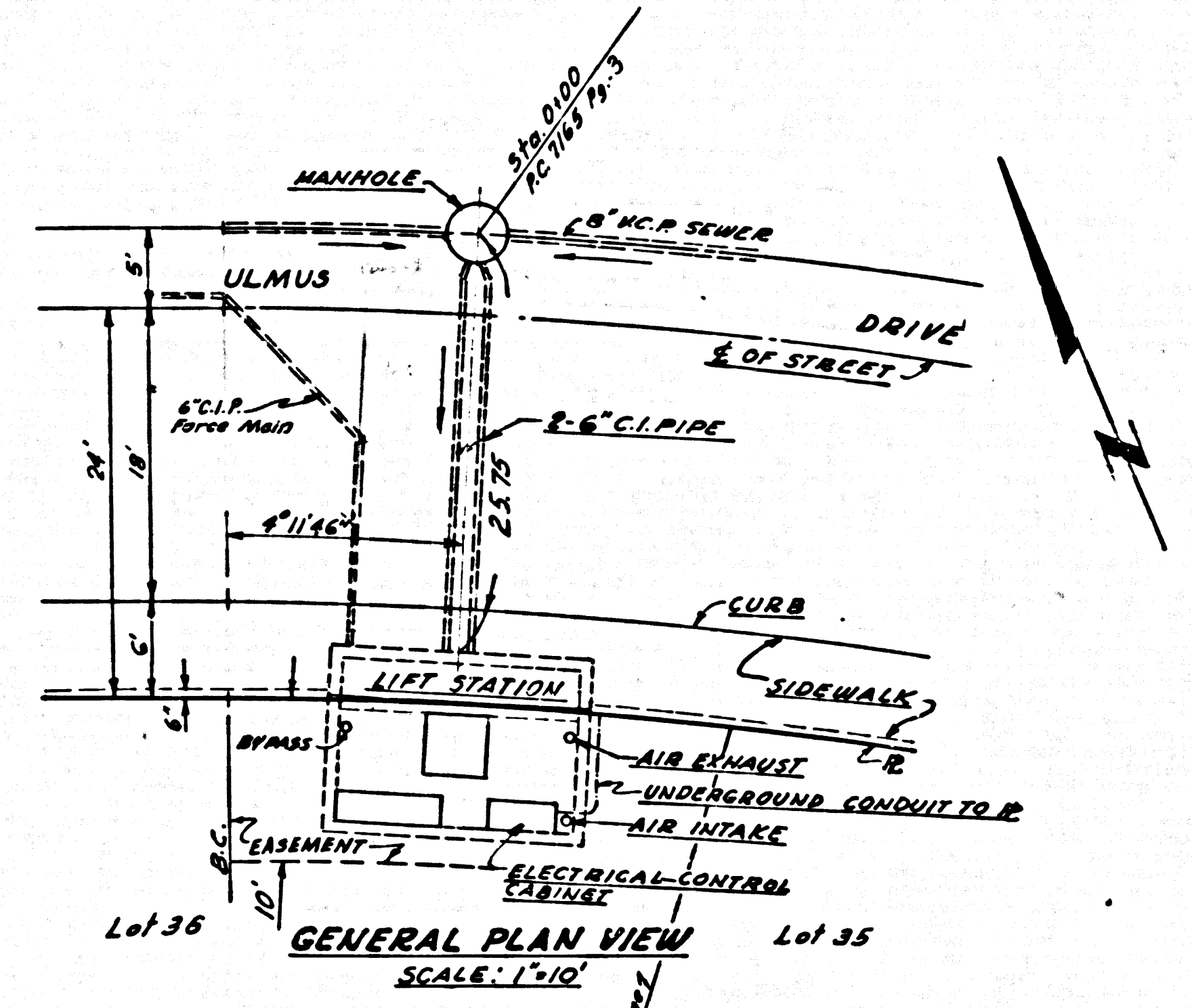


PC7165 PAGE 9
 DOUBLE SCALE
 NO CHARGE FOR CONNECTIONS

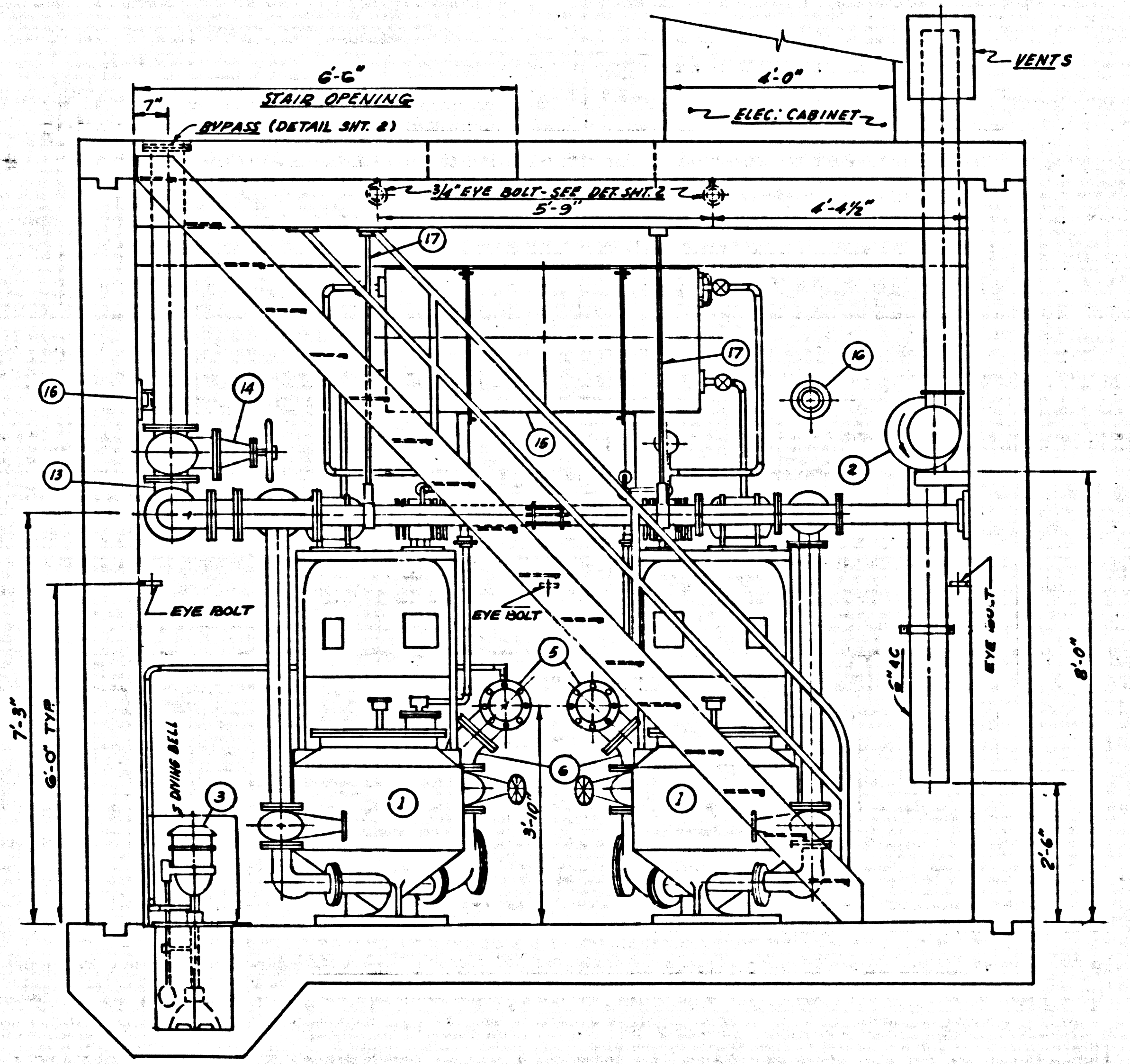
37694



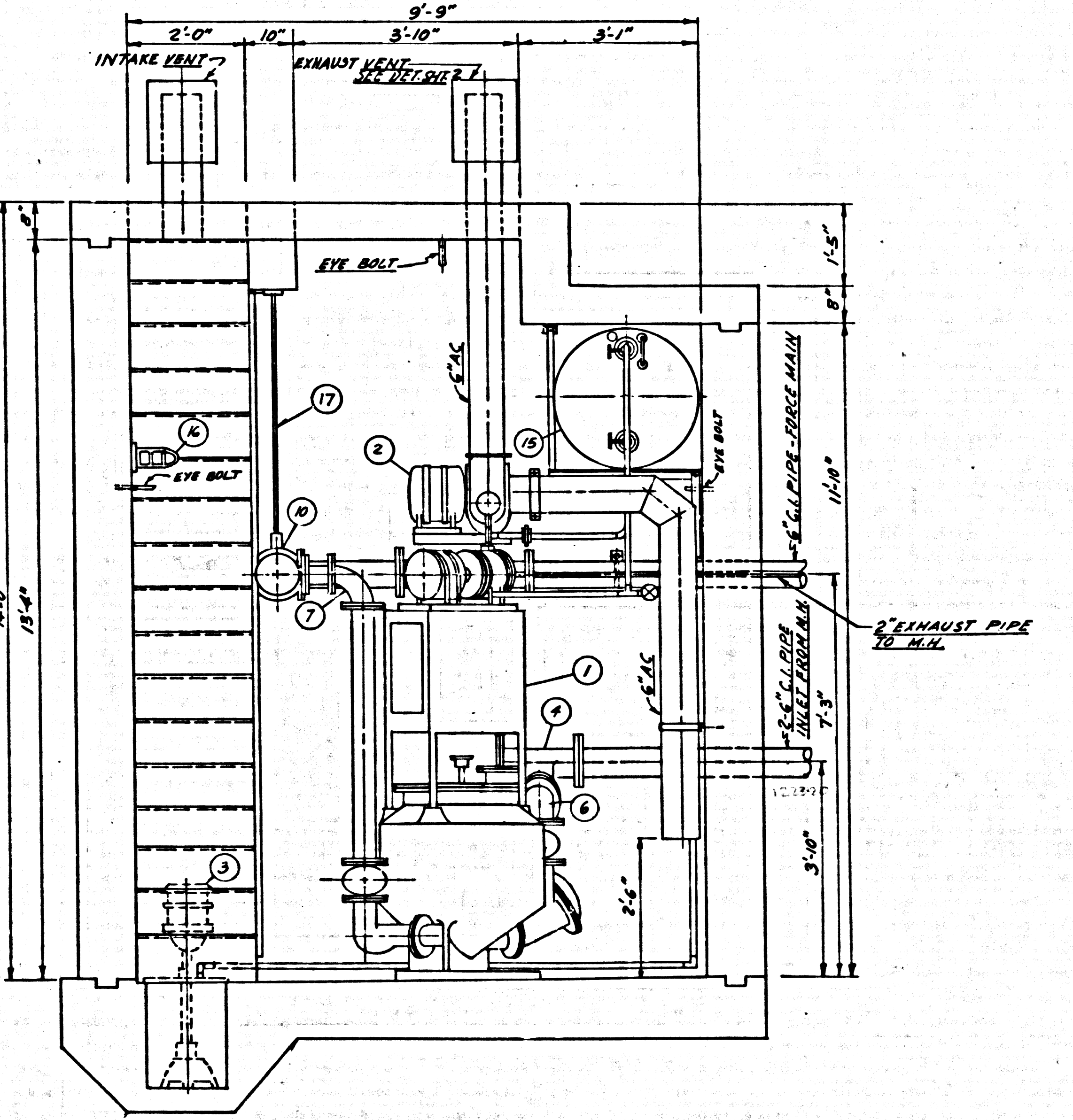
PLAN



DISCHARGE SUMP-PUMP PIPING SCHEMATIC



SECTION A-A



SECTION B-B

BILL OF MATERIALS

ITEM	REQD	DESCRIPTION
1	2	YEOMAN'S BROTHERS CO. SHOVIE PNEUMATIC ELECTROTS
2	1	BUFFALO FORCE CO. BLOWER SIZED 1/8 H.P. 1725 R.P.M. 110 V.A.C. SINGLE PHASE 60 CYCLE FAN SHALL BE ASSEMBLED COUNTER CLOCKWISE UP MODEL D-600CFM
3	1	YEOMAN'S BROTHERS CO. DRAIN DRY SUMP PUMP 1/2 H.P. 1750 R.P.M. 110 V.A.C. 60 CYCLE 240 VOLTS SIZE 30-2 MODEL "B" WITH DRAINING BELL
4	2	6\"/>
5	2	BLIND FLANGE - 6\"/>
6	2	6\"/>
7	2	6\"/>
8	1	6\"/>
9	1	4\"/>
10	1	6\"/>
11	1	6\"/>
12	1	6\"/>
13	1	6\"/>
14	1	6\"/>
15	1	WATER TANK - SEE DETAIL SHEET
16	3	200 WATT WATERPROOF LIGHT FIXTURES WITH GUARD
17	2	3\"/>

37756

GENERAL NOTES

- THE CONTRACTOR SHALL OBTAIN THE FOLLOWING PERMITS:
 - A. CONSTRUCTION PERMIT - SANITATION DIVISION
 - ELECTRICAL PERMIT
 - PLUMBING PERMIT
 - BUILDING PERMIT
- BACKFILLING AROUND THE STATION SHALL BE COMPACTED TO NOT LESS THAN 90% COMPACTION AT OPTIMUM MOISTURE CONTENT.
- ELECTRICAL CONDUIT SHALL BE UNDER GROUND.
- RIGID ELECTRICAL CONDUIT SHALL BE EMBEDDED WITHIN THE WALLS AND FLOOR OF THE STRUCTURE CONDUITS FOR THE ELECTROTS SHALL BE BROUGHT THROUGH THE WALLS IN SEPARATE CONNECTIONS FOR EACH ELECTROTS.
- ALL OVERLOAD PROTECTION FOR ELECTRICAL EQUIPMENT SHALL BE PROVIDED BY CIRCUIT BREAKERS INCORPORATING TIME OVERCURRENT AND INSTANTANEOUS SHORT CIRCUIT PROTECTION WITH HANDLE FOR LOCKING THEM IN OPEN POSITION.
- ALL CAST IRON PIPE WITHIN STATION SHALL BE A.S.A. 216 OR 218 WITH FLANGES PER A.S.A. 161 CLASS 725.
- GASKETS FOR FLANGED JOINTS SHALL BE 1/16 RUBBER CLOTH INSERTED FULL FACE AND DUNGED.
- APPROVED CONCRETE FASTENERS SUCH AS PHILLIPS CONCRETE FASTENERS SHALL BE USED TO FASTEN ALL BRACKETS TO THE STRUCTURE.
- ELECTROTS EXHAUST PIPES SHALL SLOPE DOWNWARD TO MANHOLE. CONDUITS SHALL HAVE AN ELBOW DIRECTED DOWNWARD AT THE TERMINUS.

PRIVATE CONTRACT NO. 7165-B
SEWAGE LIFT STATION TO SERVE
TRACT NO. 29897
PREPARED IN THE OFFICES OF
McINTIRE AND QUIROS INC.

Ray E. Quirus
R.C.E. NO. 11753

COUNTY OF LOS ANGELES, CALIFORNIA

APPROVED: JOHN D. LAMBIE
COUNTY ENGINEER

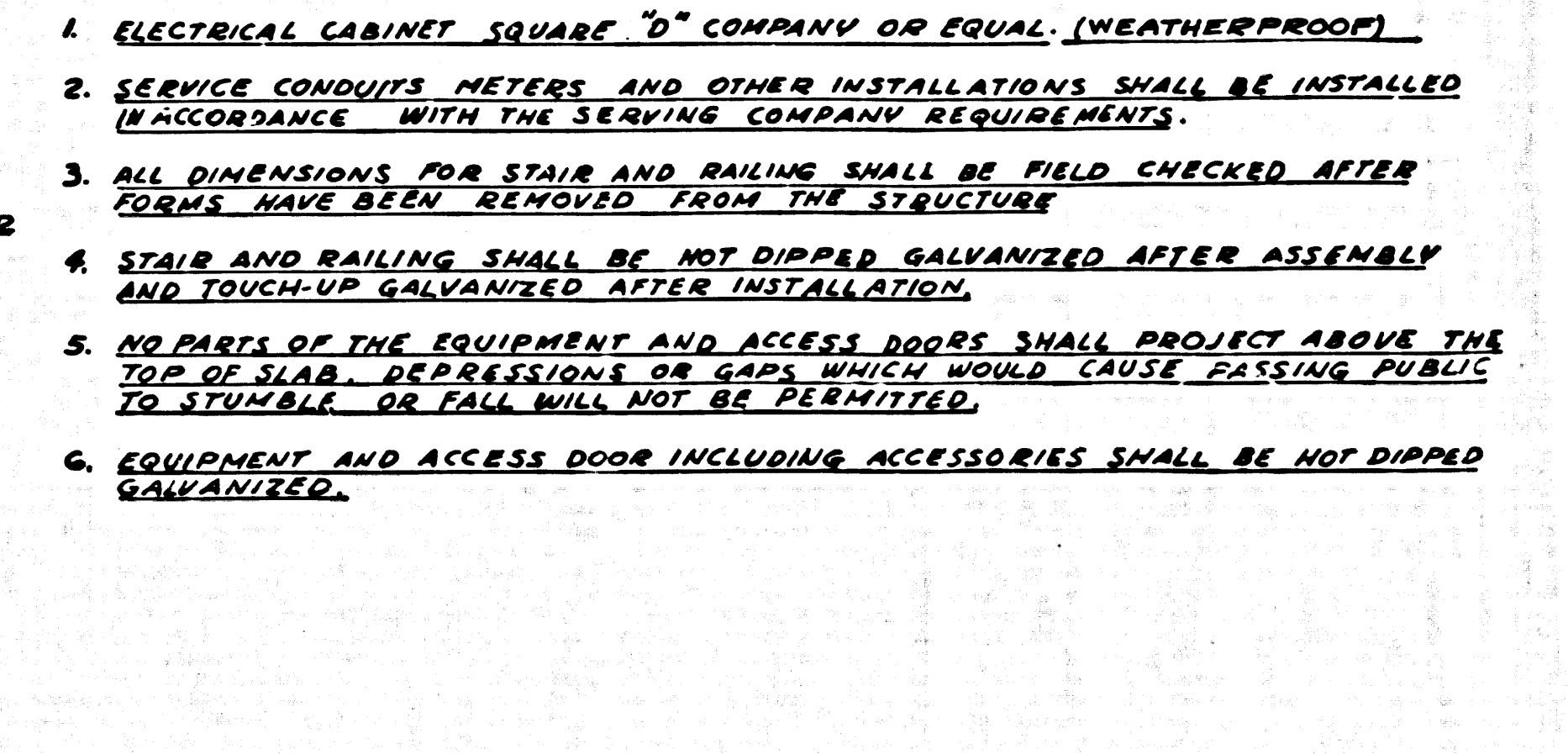
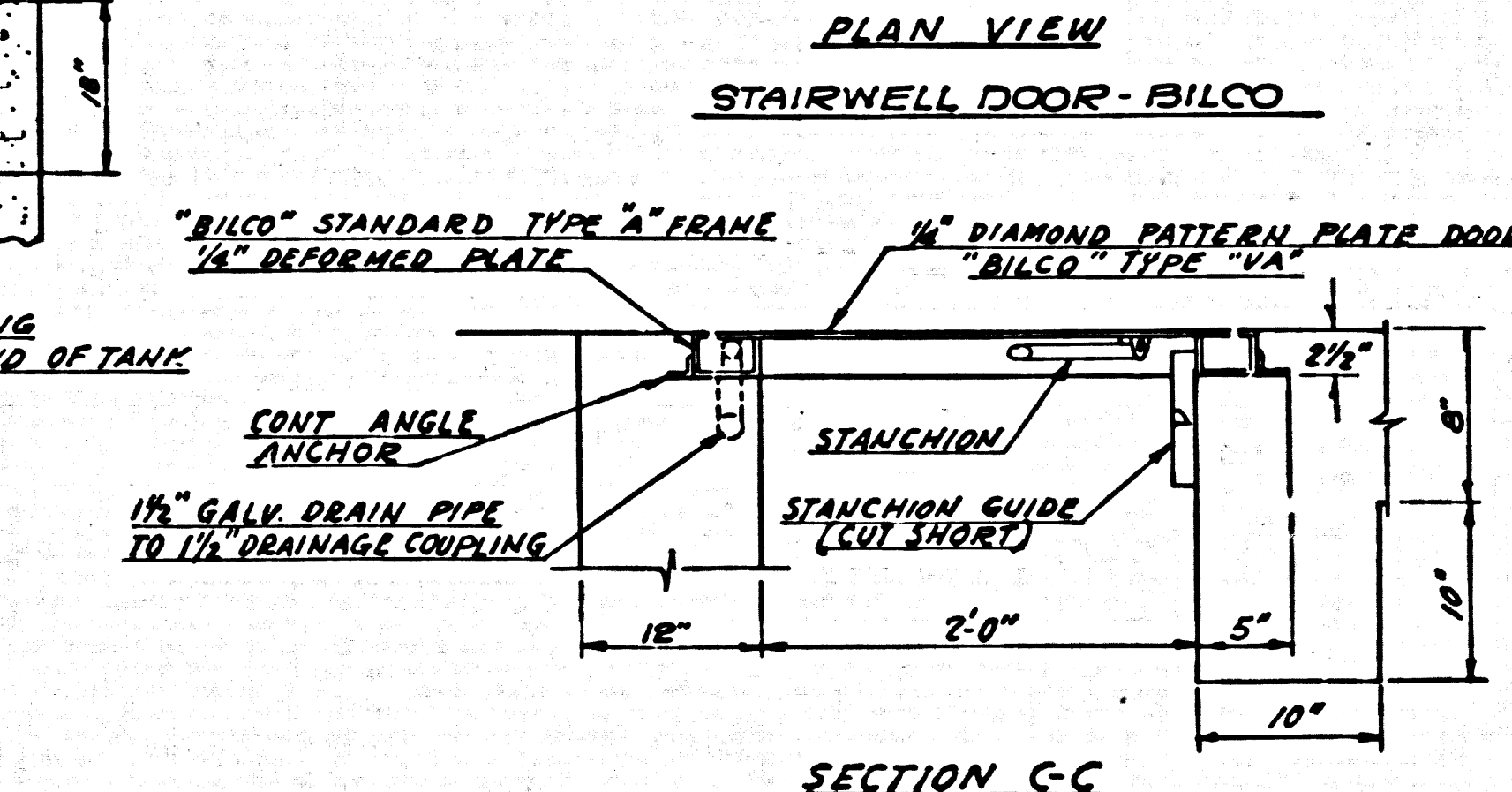
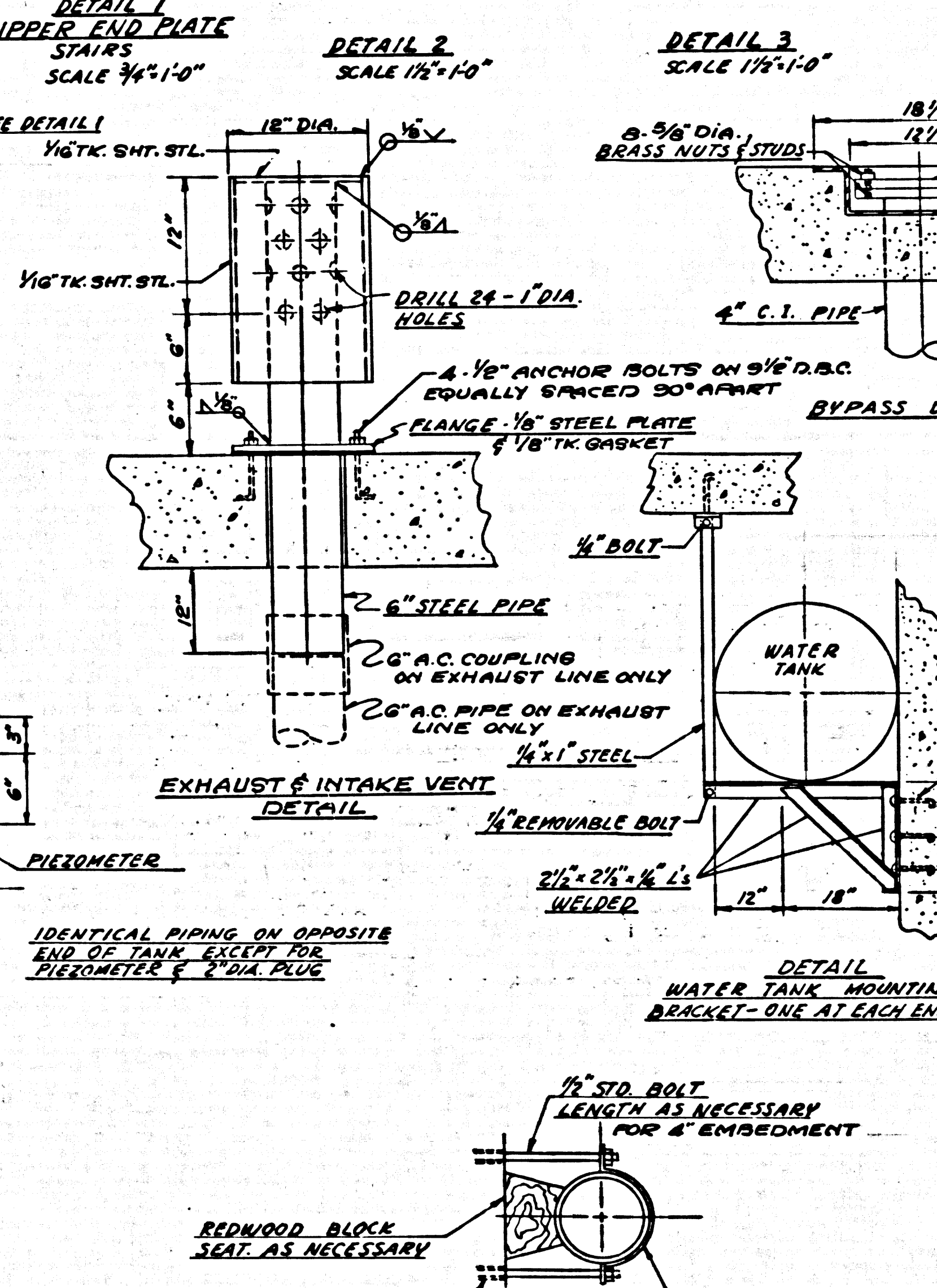
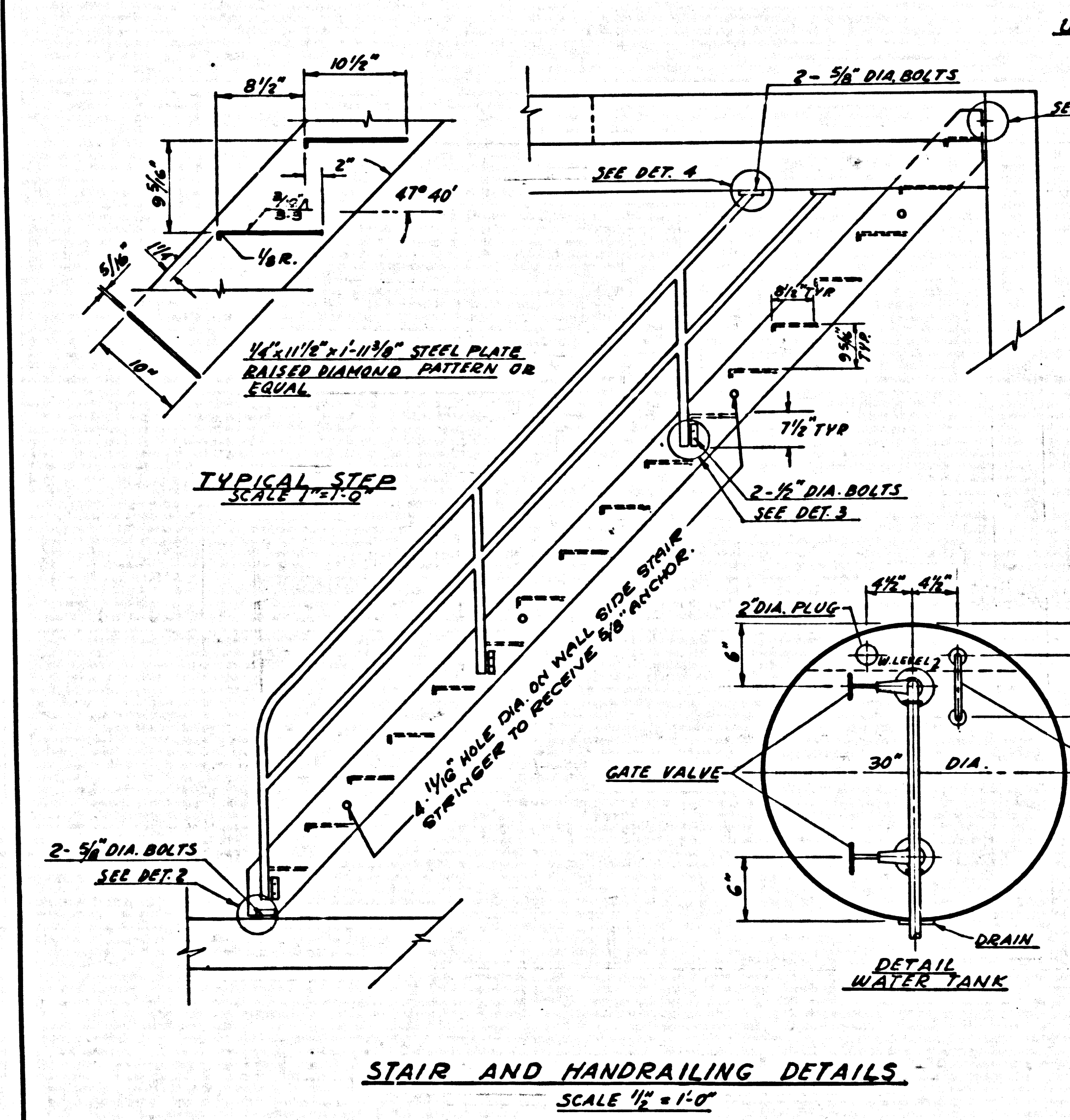
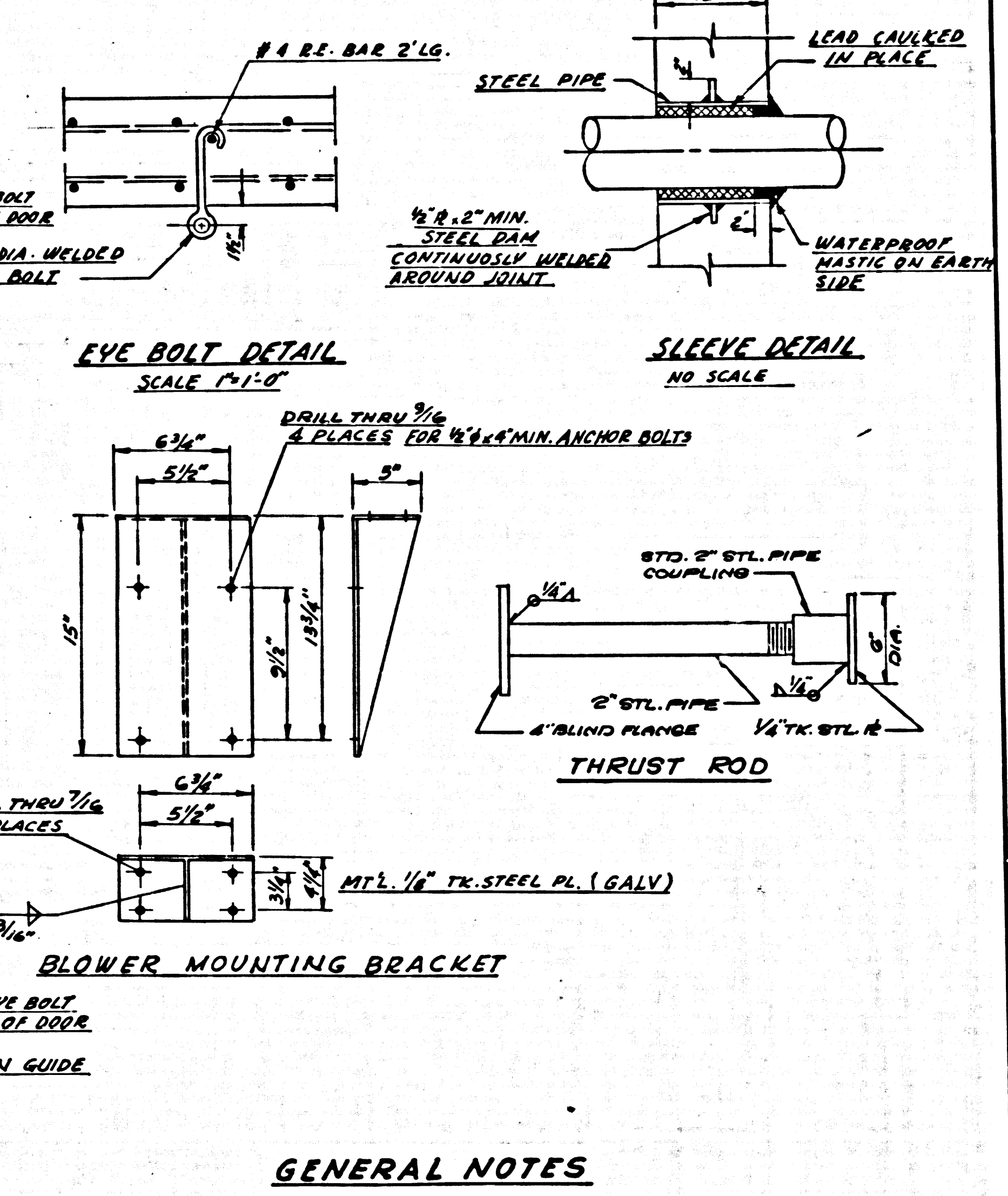
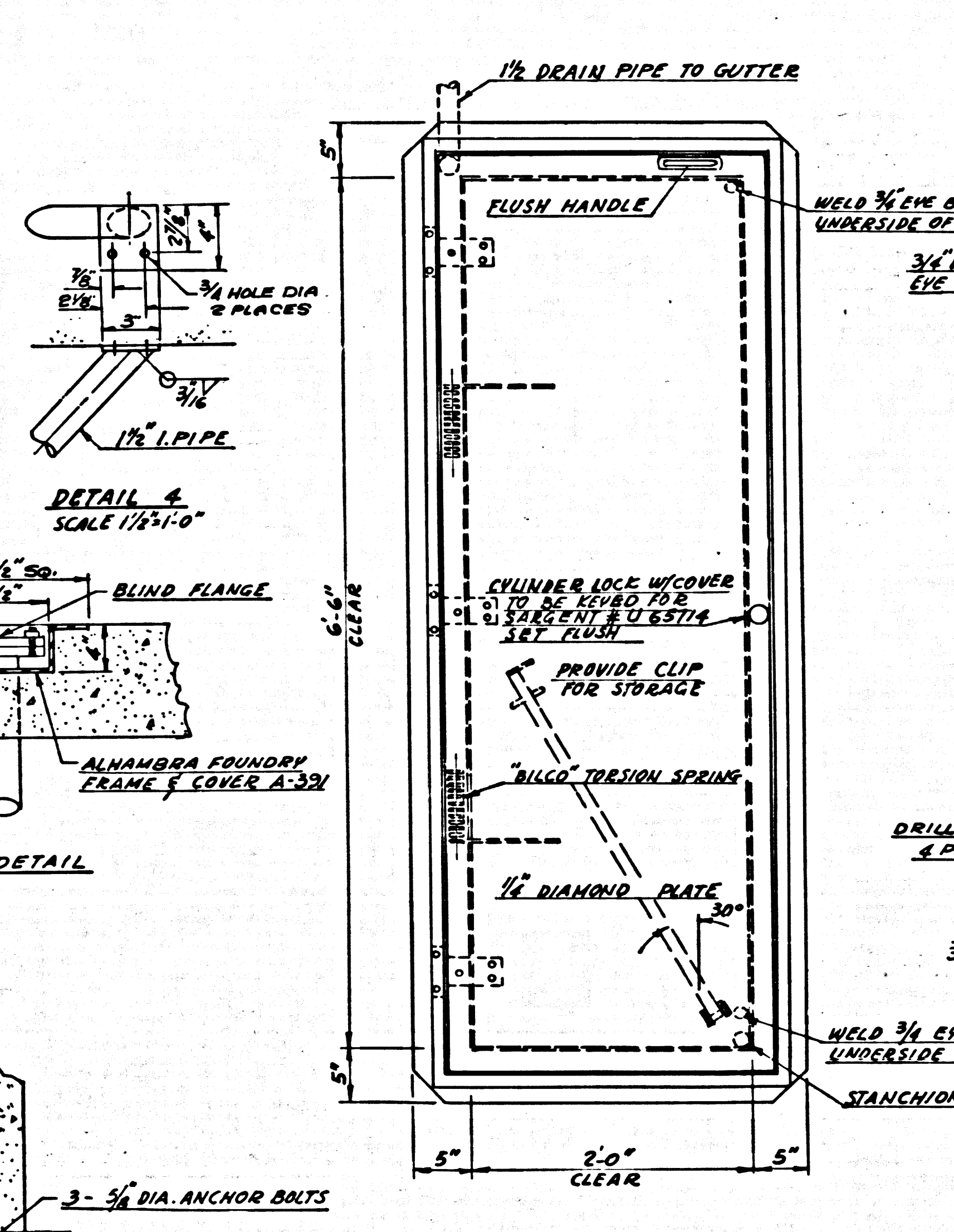
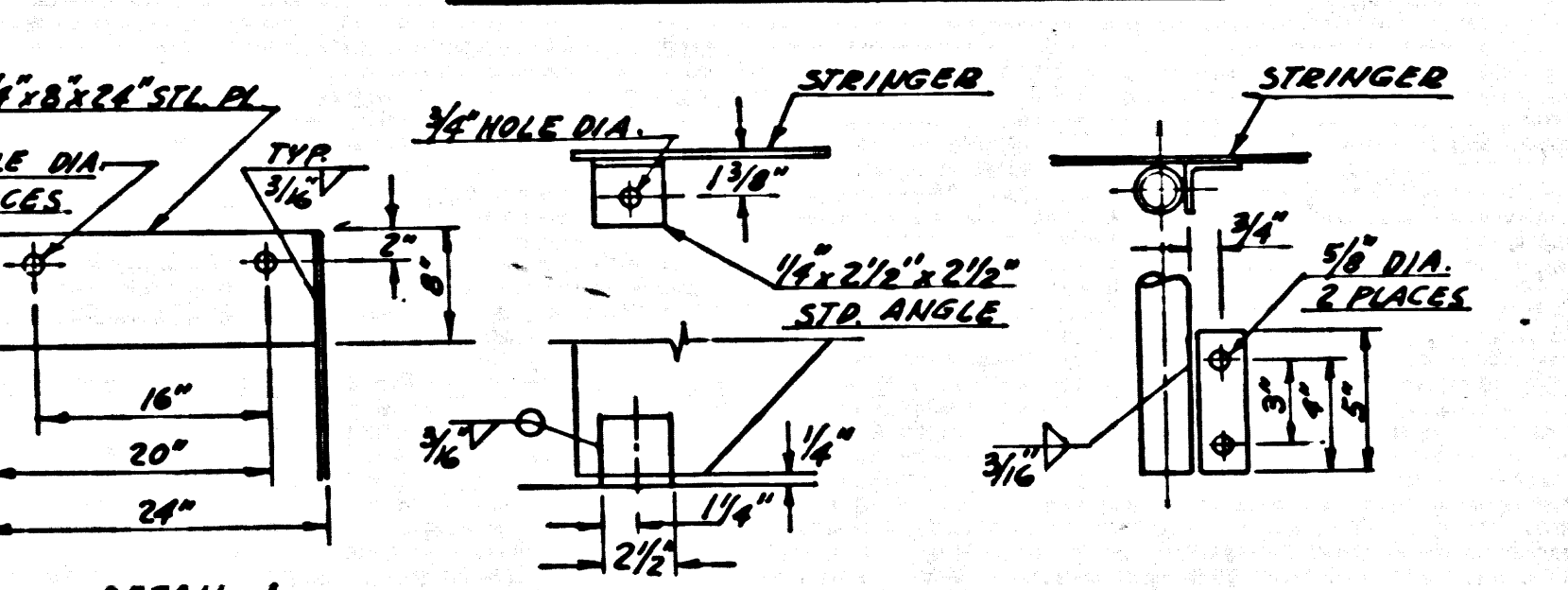
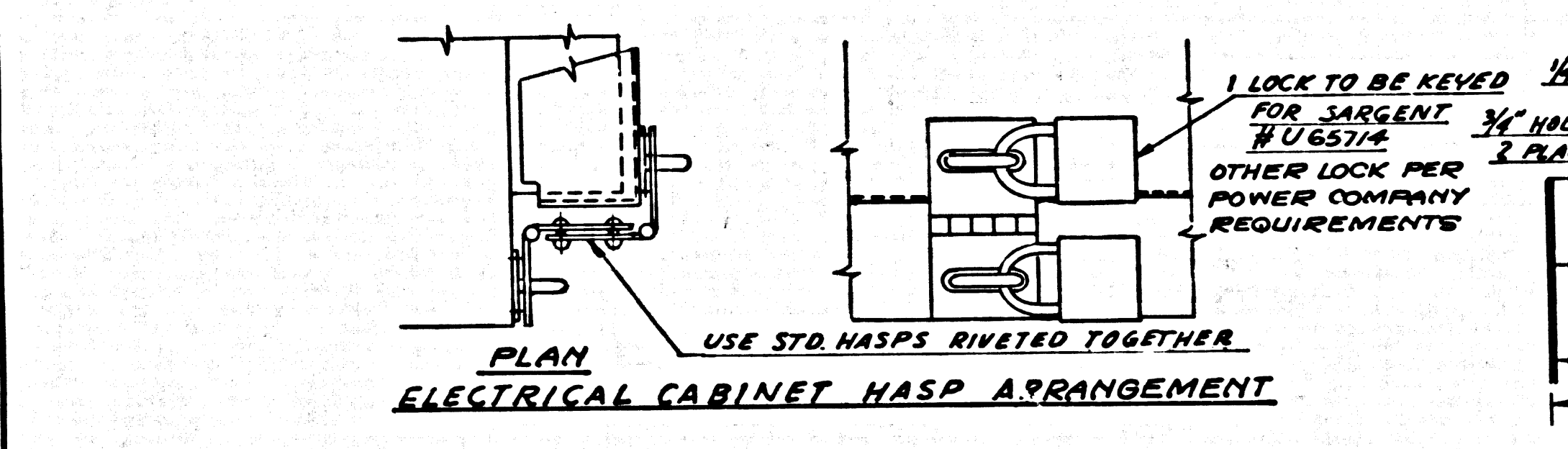
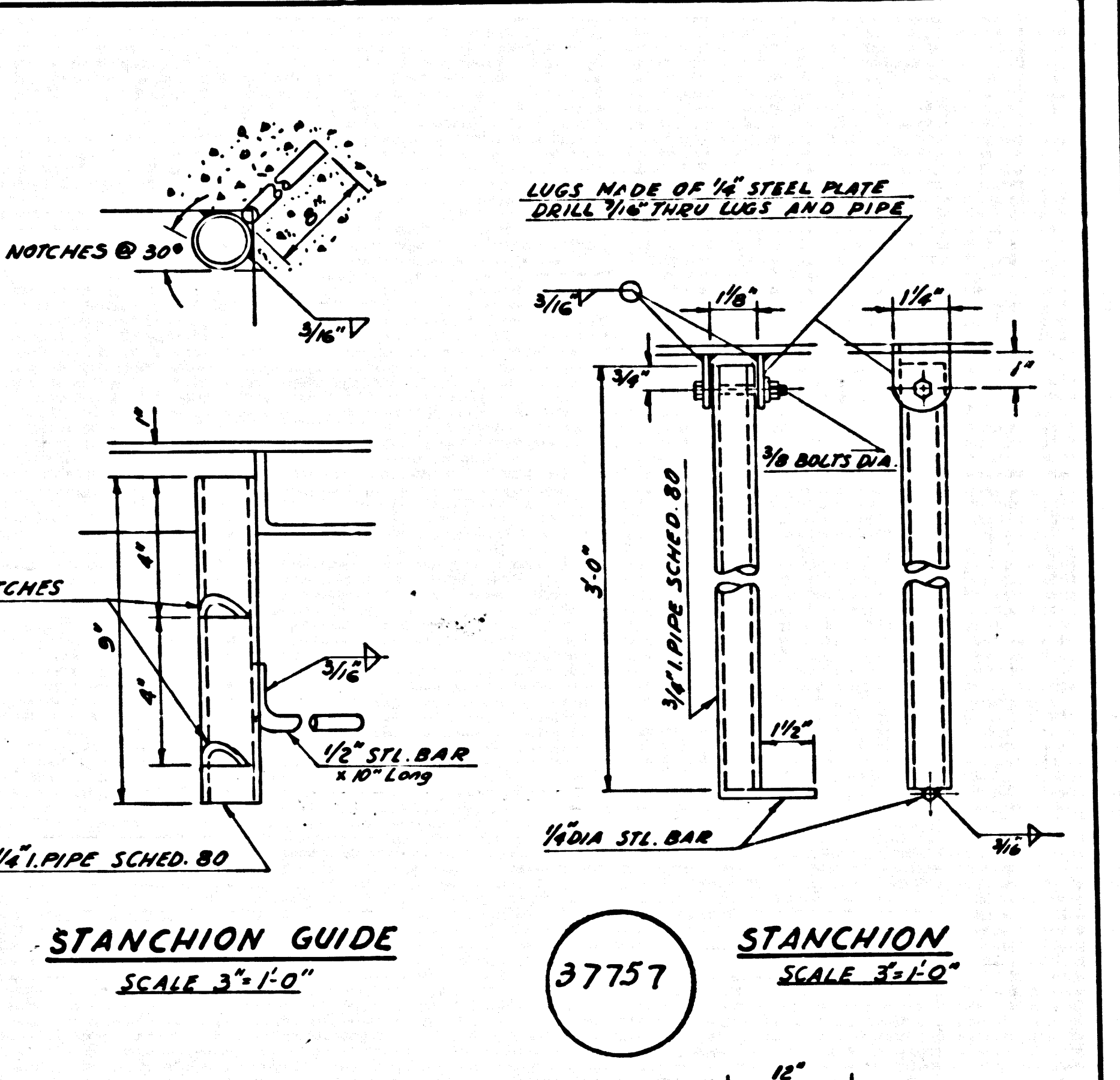
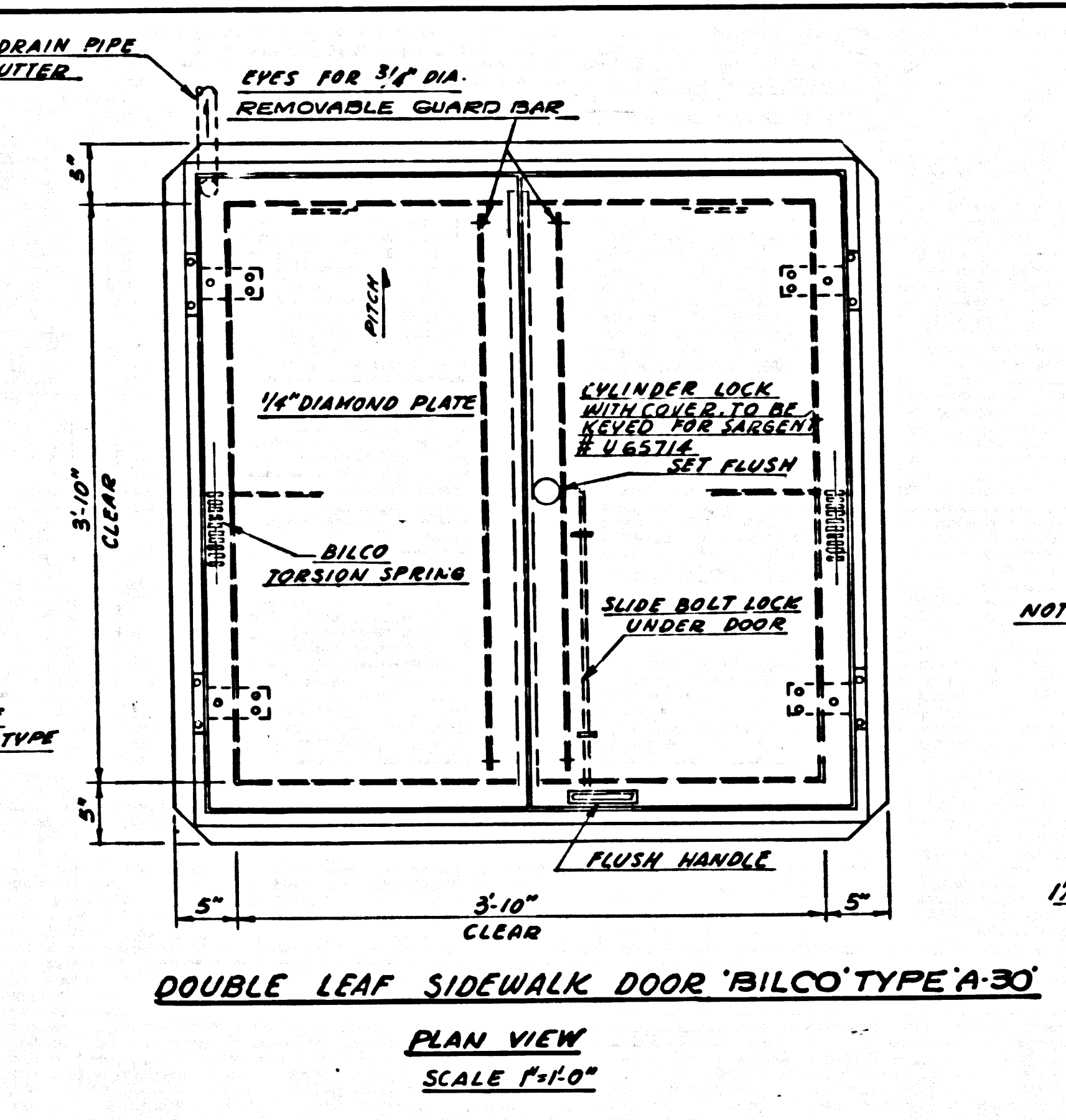
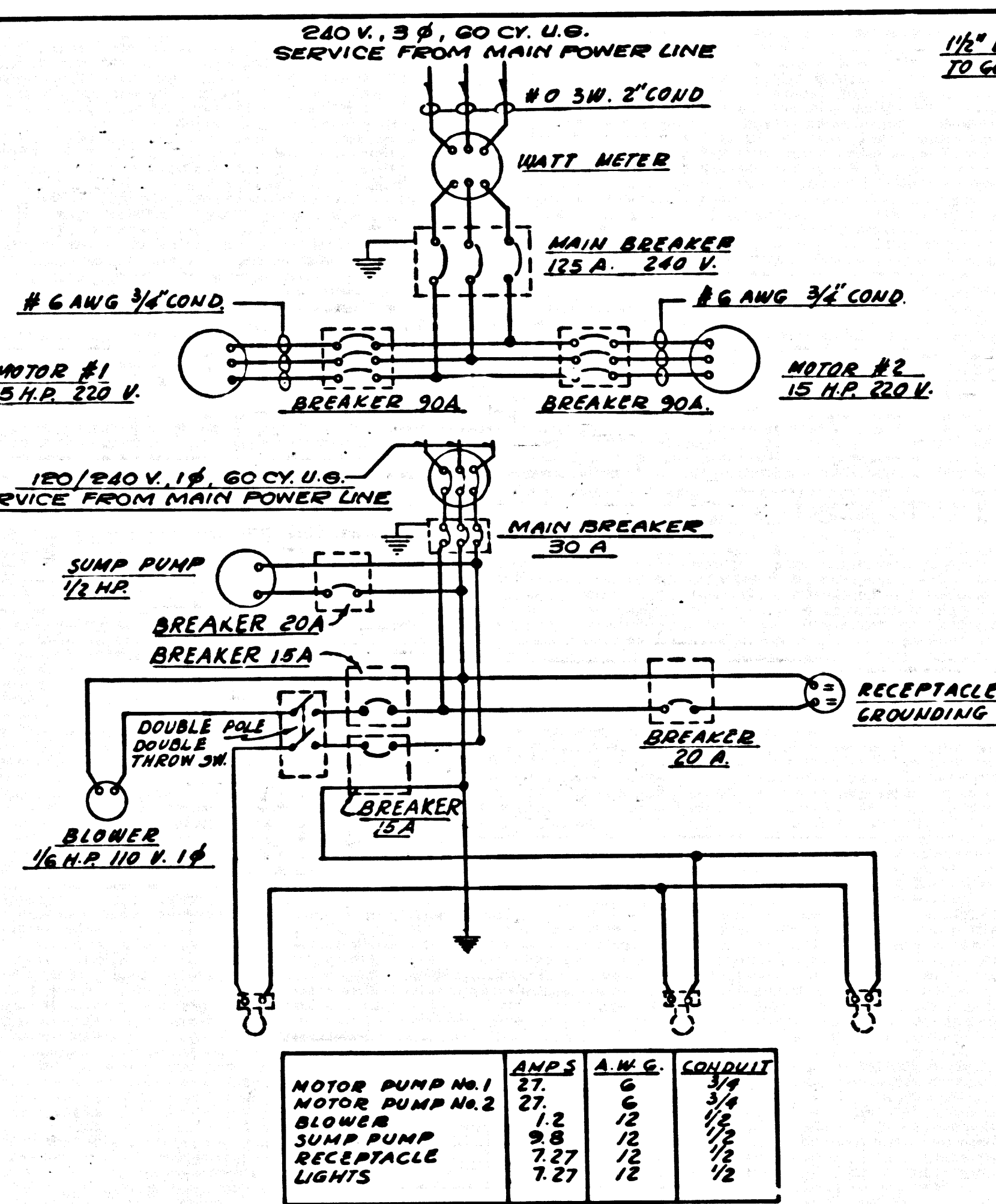
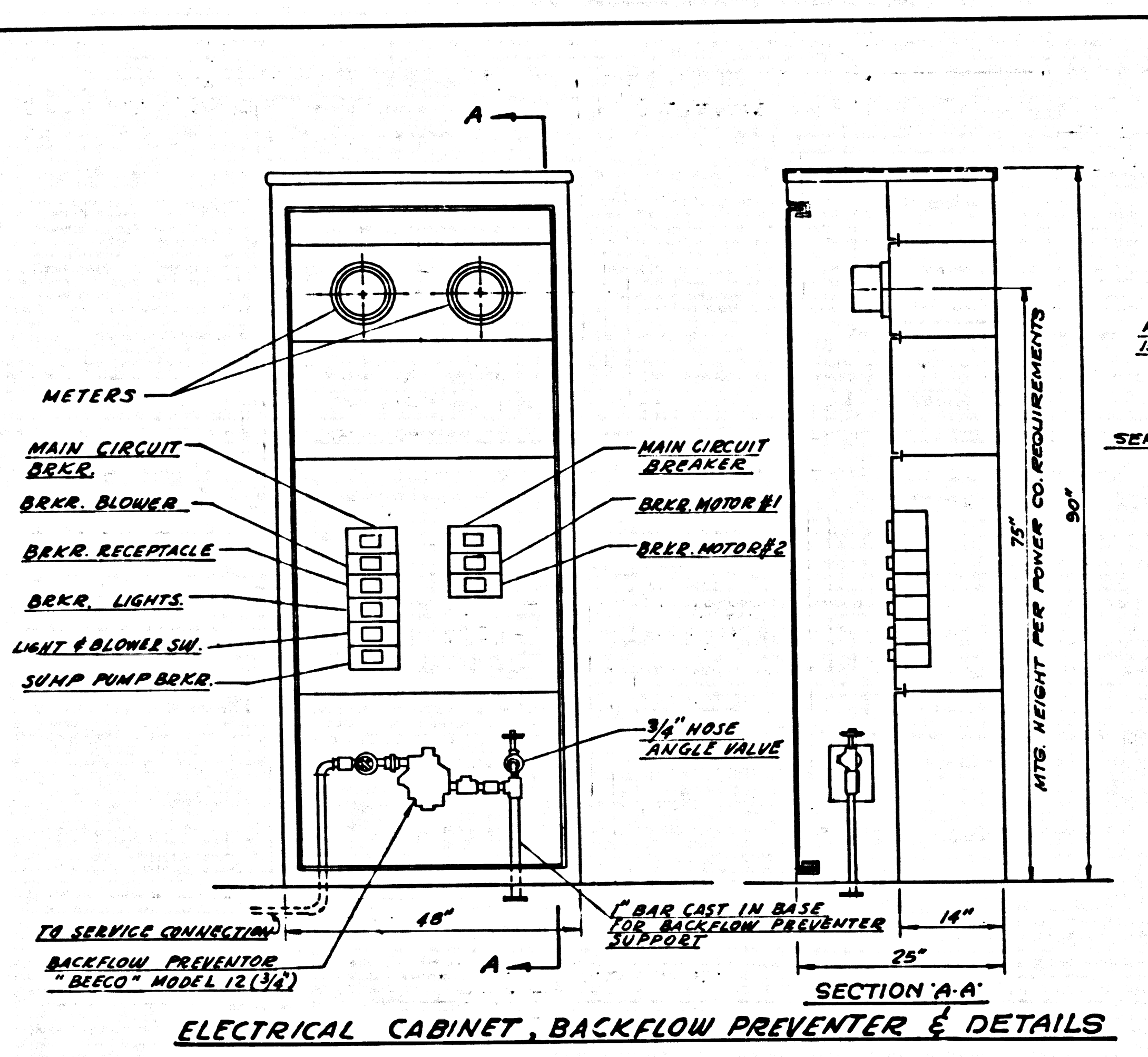
APPROVED BY: Robert S. Valenzuela REVIEWED BY: Carl H. ...
ASSIST. SANITATION DIV. ENGINEER SEWER MAINS SUPERVISOR

CHECKED BY: ... R.C.E. NO. 14390

LAS VIRGENES MUNICIPAL
WATER DISTRICT
APPROVED BY: ...
OFFICE ENGINEER

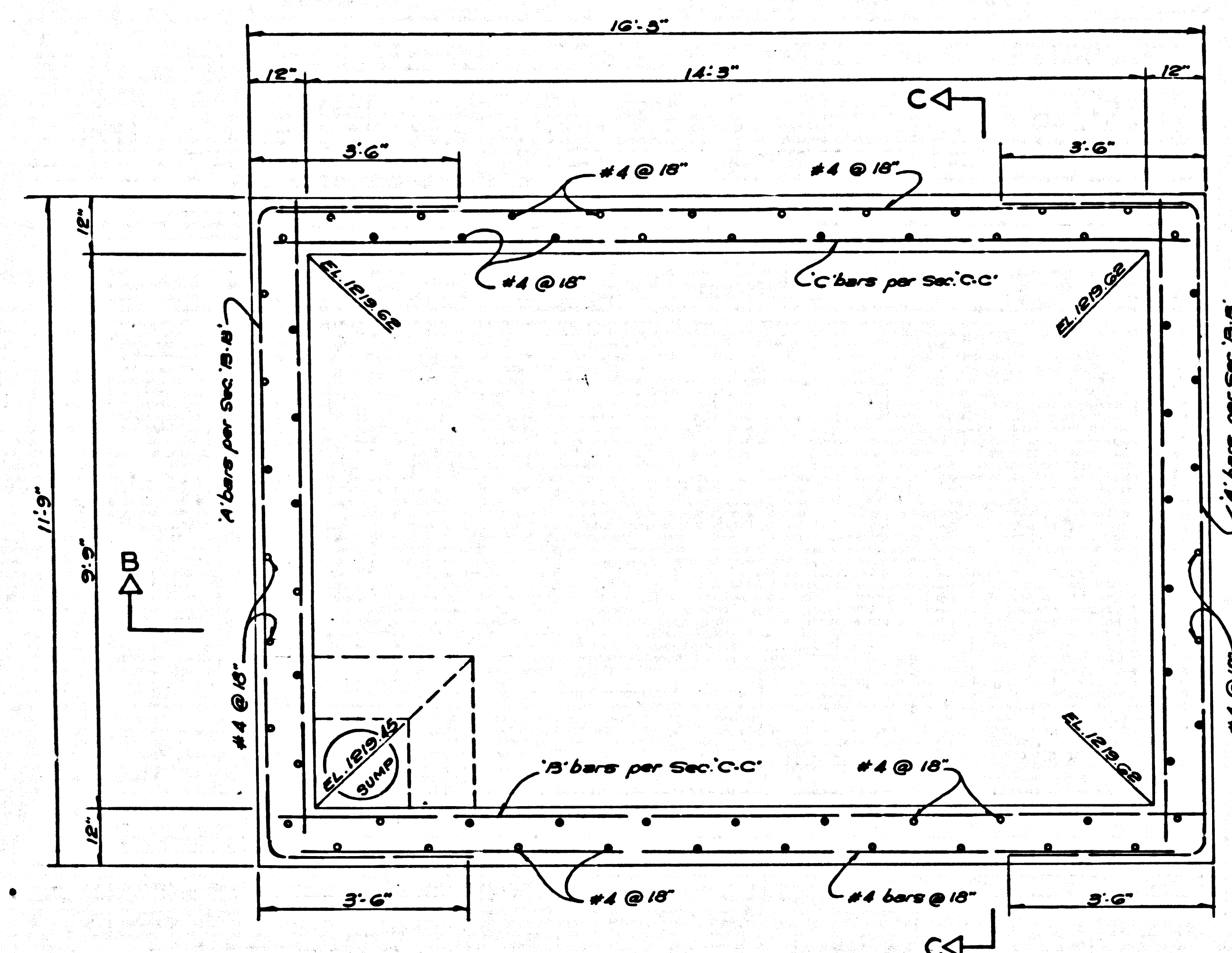
DATE: SCALE: AS SHOWN PAGE 1 OF 3 PAGES

B-212-2A

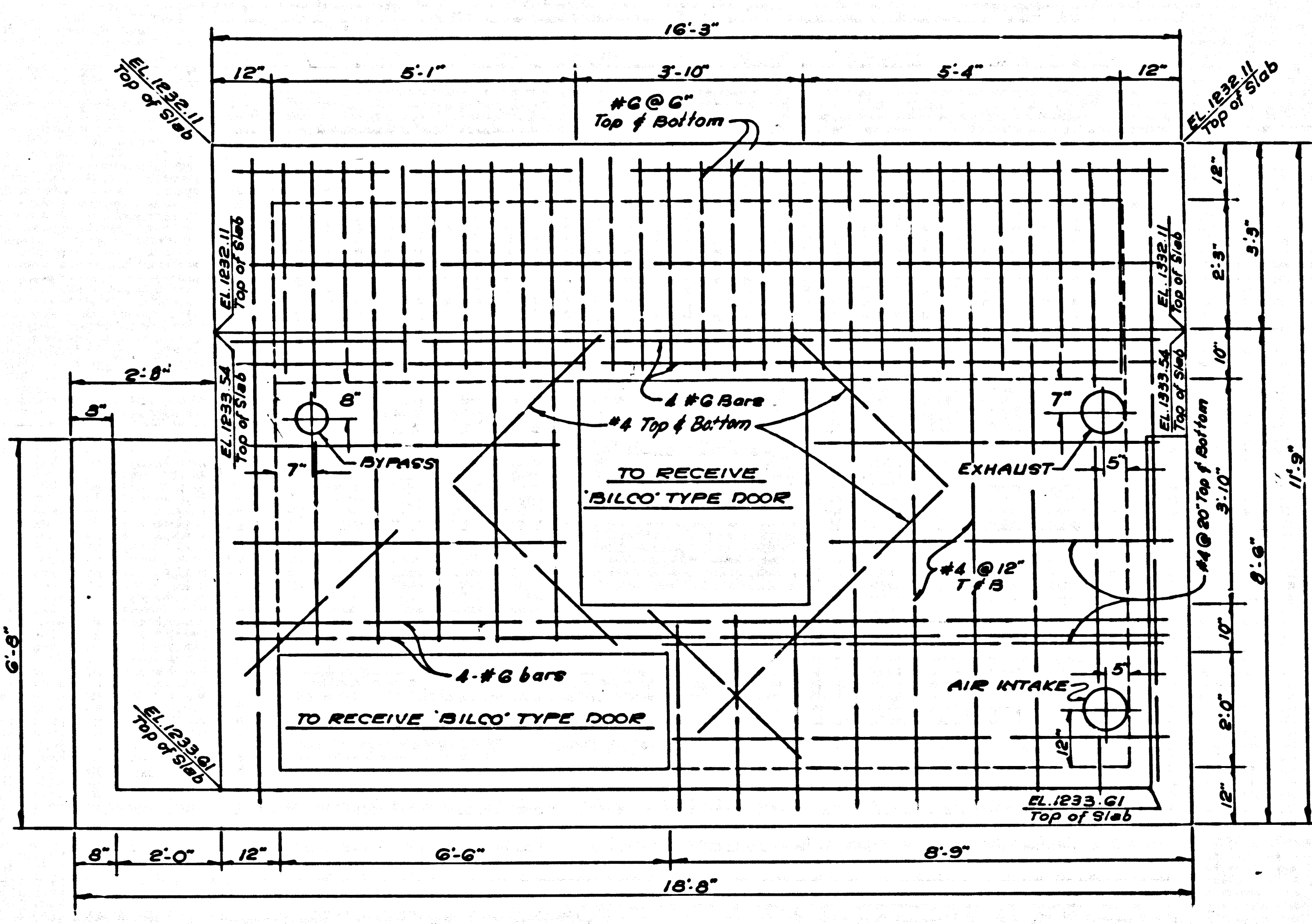


- GENERAL NOTES**
- ELECTRICAL CABINET SQUARE "D" COMPANY OR EQUAL (WEATHERPROOF)
 - SERVICE CONDUITS METERS AND OTHER INSTALLATIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE SERVING COMPANY REQUIREMENTS.
 - ALL DIMENSIONS FOR STAIR AND RAILING SHALL BE FIELD CHECKED AFTER FORMS HAVE BEEN REMOVED FROM THE STRUCTURE
 - STAIR AND RAILING SHALL BE NOT DIPPED GALVANIZED AFTER ASSEMBLY AND TOUCH-UP GALVANIZED AFTER INSTALLATION
 - NO PARTS OF THE EQUIPMENT AND ACCESS DOORS SHALL PROJECT ABOVE THE TOP OF SLAB. DEPRESSIONS OR GAPS WHICH WOULD CAUSE PASTING BULBS TO STUMBLE OR FALL WILL NOT BE PERMITTED.
 - EQUIPMENT AND ACCESS DOOR INCLUDING ACCESSORIES SHALL BE NOT DIPPED GALVANIZED.

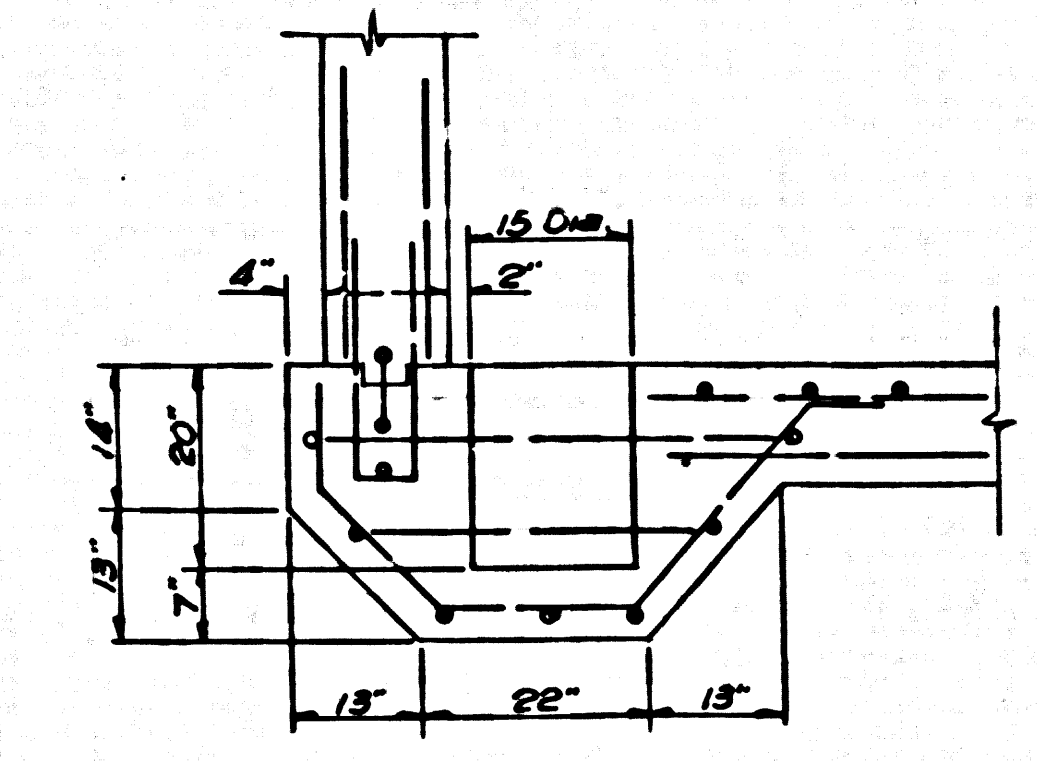
B-2017.02



SECTION 'A-A'
SCALE 1/8"=1'-0"

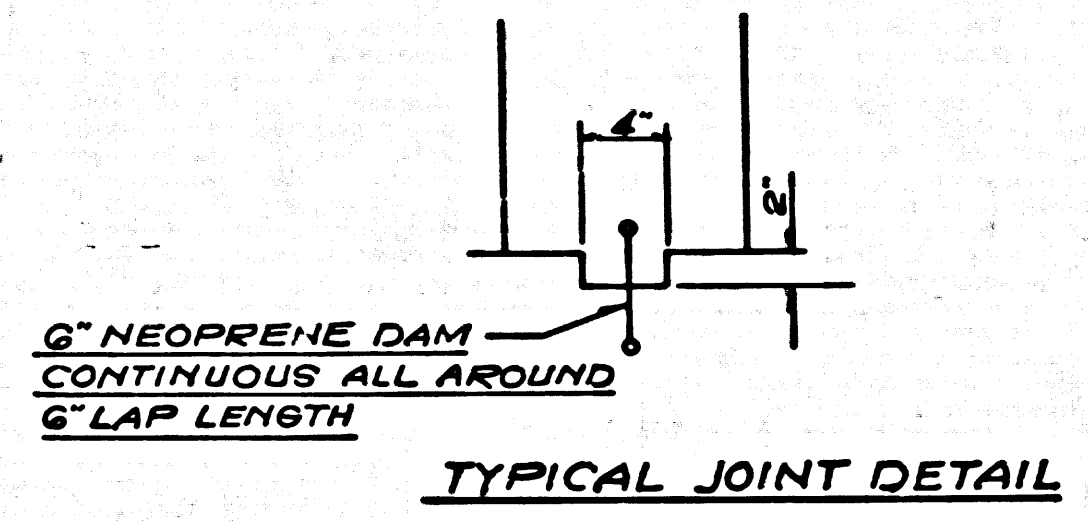


TOP SLAB
SCALE 1/8"=1'-0"

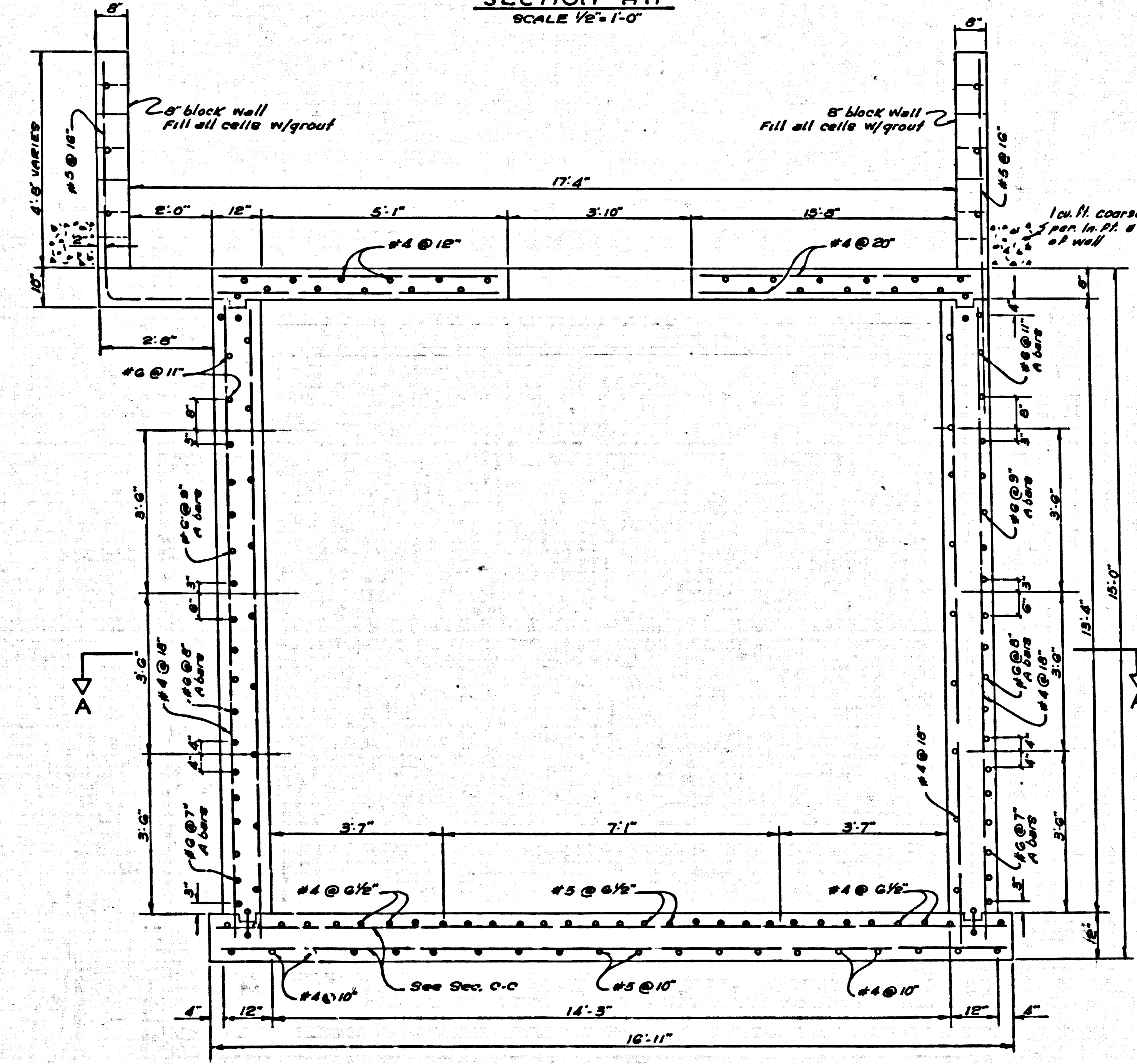


SEC. THRU SUMP
SCALE 1/8"=1'-0"

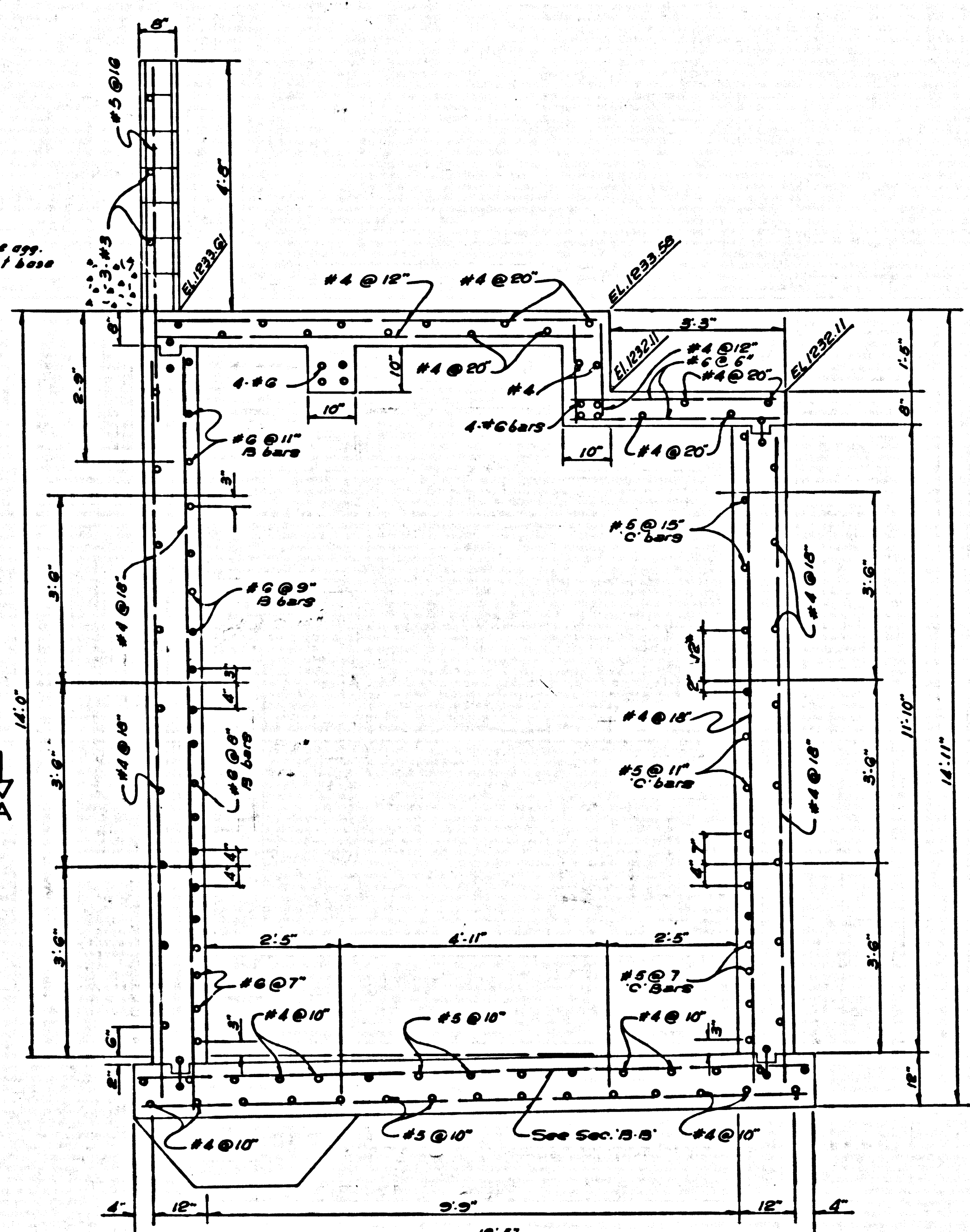
37758



TYPICAL JOINT DETAIL



SECTION 'B-B'
SCALE 1/8"=1'-0"



SECTION 'C-C'
SCALE 1/8"=1'-0"

- NOTES**
1. ALL CONCRETE USED IN THE PROJECT SHALL DEVELOP A STRENGTH OF 3000 P.S.I. AT 28 DAYS.
 2. ALL REINFORCING STEEL SHALL BE INTERMEDIATE GRADE DEFORMED BARS WITH DIMENSIONS CONFORMING TO A.S.T.M. SPECIFICATIONS.
 3. ALL BAR BONDS SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE MANUAL FOR STANDARD PRACTICE.
 4. ONLY THE SPLICES SHOWN IN THE DETAILS SHALL BE PERMITTED EXCEPT AS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
 5. MINIMUM CONCRETE COVER OVER REIN. BARS SHALL BE 2" CLEAR IN THE FACES OF BOTTOM SLAB AGAINST EARTH, 3" IN ALL WALL FACES AGAINST EARTH AND TOP OF BOTTOM & TOP SLAB.
 6. COARSE AGGREGATE SHALL NOT EXCEED 1" MAXIMUM IN SIZE.
 7. ALL BOLTS SHALL BE CORROSION RESISTANT.
 8. THE CONTRACTOR SHALL DETERMINE THE POSITION OF AND PROVIDE FOR ALL BOLTS, HOOKS, CONDUITS AND ALL OTHER EQUIPMENT AND ACCESSORIES DURING CONSTRUCTION OF STRUCTURE WHICH ARE EMBEDDED IN THE WALLS OR SLABS AND NOT SHOWN IN THE DETAILS.
 9. CONDUITS WHICH PENETRATE THE WALLS OR SLAB OF STRUCTURE SHALL BE CAST IN PLACE OR A PROPERLY LOCATED SECTION SHALL BE BORED OUT DURING CONSTRUCTION. IN EITHER CASE THE REINFORCING STEEL SHALL BE BENT AROUND THE CONDUITS OR BORED OUT SECTIONS.
 10. NO VERTICAL CONSTRUCTION JOINTS IN WALLS AND SLABS SHALL BE ALLOWED UNLESS APPROVED BY THE COUNTY ENGINEER.
 11. ALL BACKFILL AROUND AND UNDER THE STRUCTURE SHALL BE COMPACTED TO 90% COMPACTION AT OPTIMUM MOISTURE CONTENT.

B-2317-2A