

FILE FOLDER

DESCRIPTION ON TAB:

Owens Beach

Water Plant Bldg. 138

- Outside/inside of actual folder did not contain hand written information**
- Outside/inside of actual folder did contain hand written information**
*Scanned as next image

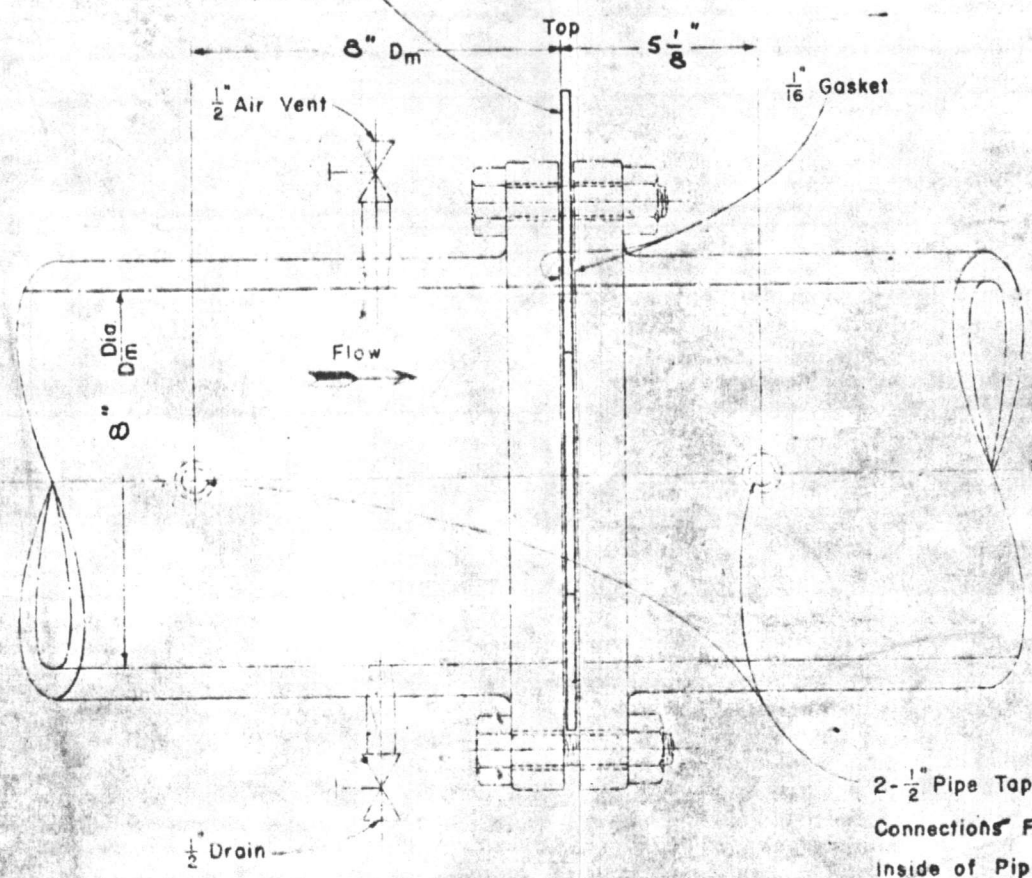
646729-20

CONTRACT: 56-5188-A

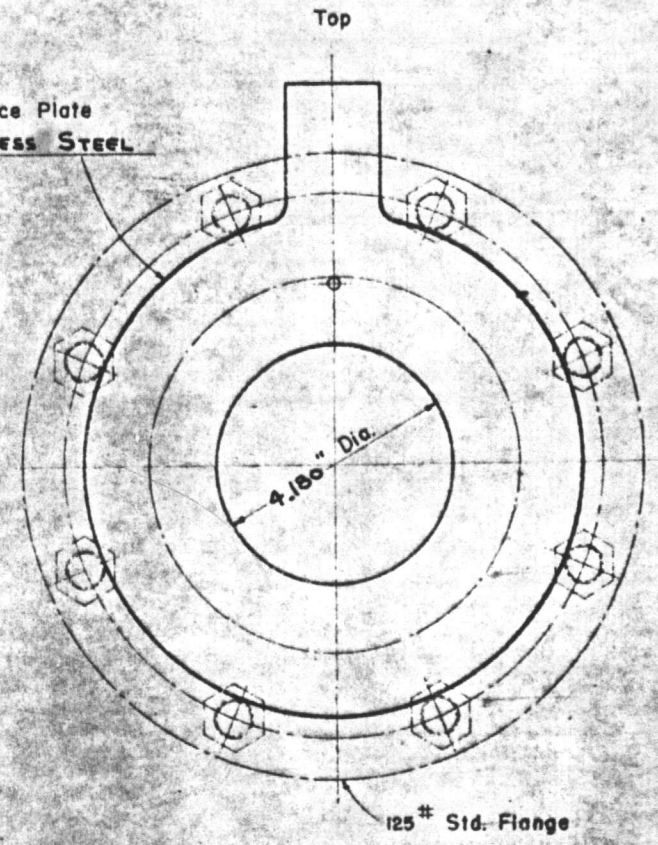
P.O. #216

8205
2

Orifice Plate Information
Stamped on Tab



1/16" Orifice Plate
STAINLESS STEEL



2-1/2" Pipe Taps on ϵ
Connections Flush with
Inside of Pipe
As Per Dwg. 0
5292

IMPORTANT

A straight run of 30 diameters of pipe preceding the orifice and 4 diameters following it is ordinarily satisfactory for standard metering accuracy, except when it is preceded by a regulating valve; when more may be needed. If actual conditions are otherwise, advise Engineering Department with full description of those lengths for recommendations.

Flow

For Pipe Size Over 10"
Install Orifice Plate As Shown

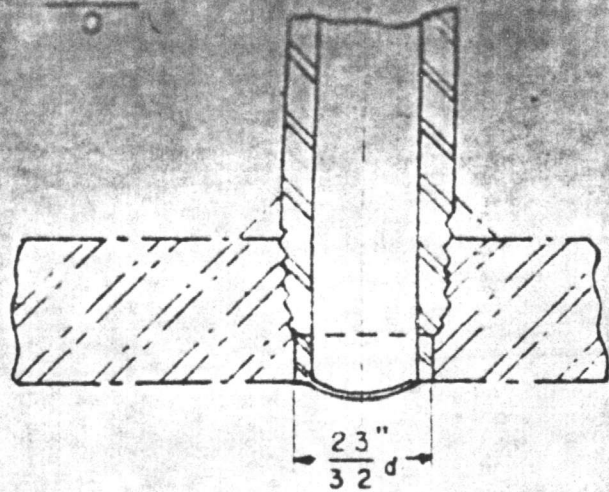
OUTLINE
SIMPLEX ORIFICE PLATE
FOR VENA CONTRACTA TAPS
SIMPLEX VALVE & METER CO.
LANCASTER, PA.

CAMP LE JUNE, N.C.



2029
0

646729-21

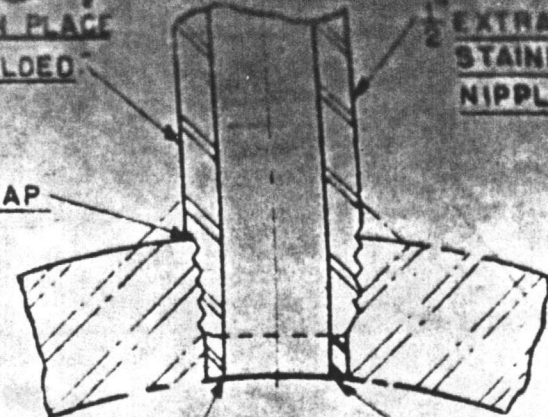


SCREWED IN PLACE
AND WELDED

1/2" TAPER PIPE TAP

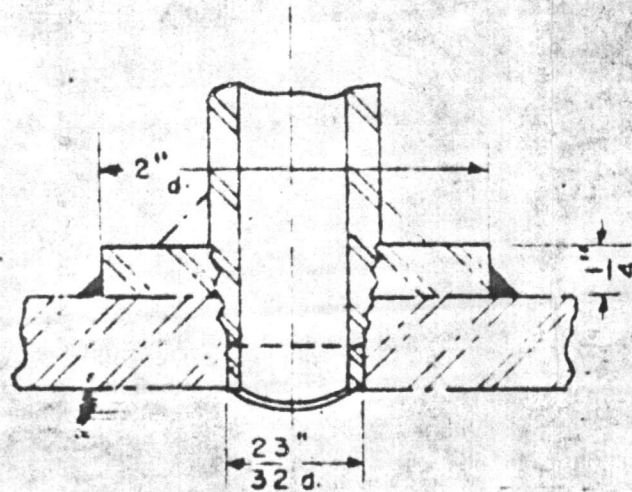
SHARP EDGES
NO BURRS

EXTRA HEAVY
STAINLESS STEEL
NIPPLE LENGTH TO
SUIT



GRIND FLUSH WITH
INSIDE OF PIPE

FOR PIPE WITH WALL THICKNESS 1/2" OR OVER

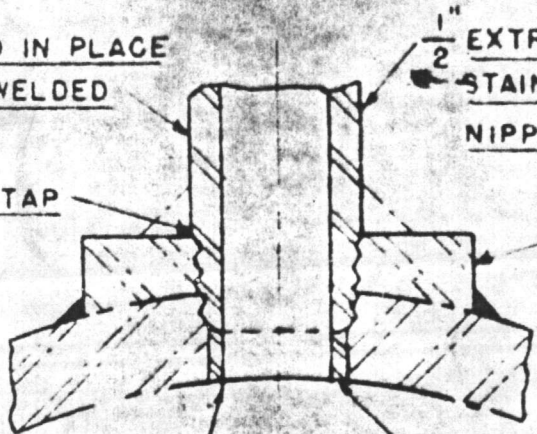


SCREWED IN PLACE
AND WELDED

1/2" TAPER PIPE TAP

SHARP EDGES
NO BURRS

EXTRA HEAVY
STAINLESS STEEL
NIPPLE LENGTH TO
SUIT



BOSS WELDED ON
BEFORE TAPPING

GRIND FLUSH WITH
INSIDE OF PIPE

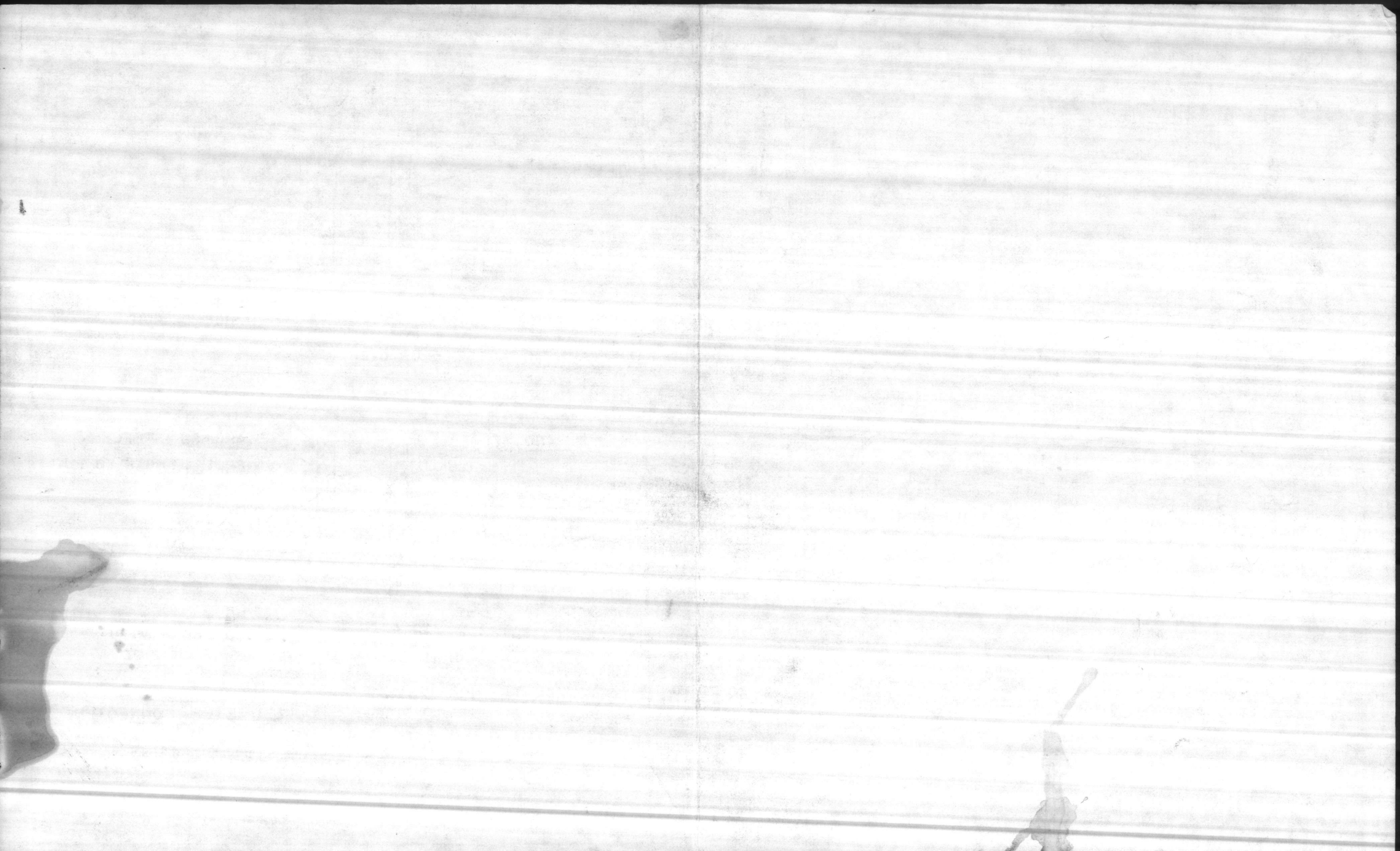
NOTE:-
FOR STEEL
PIPE ONLY

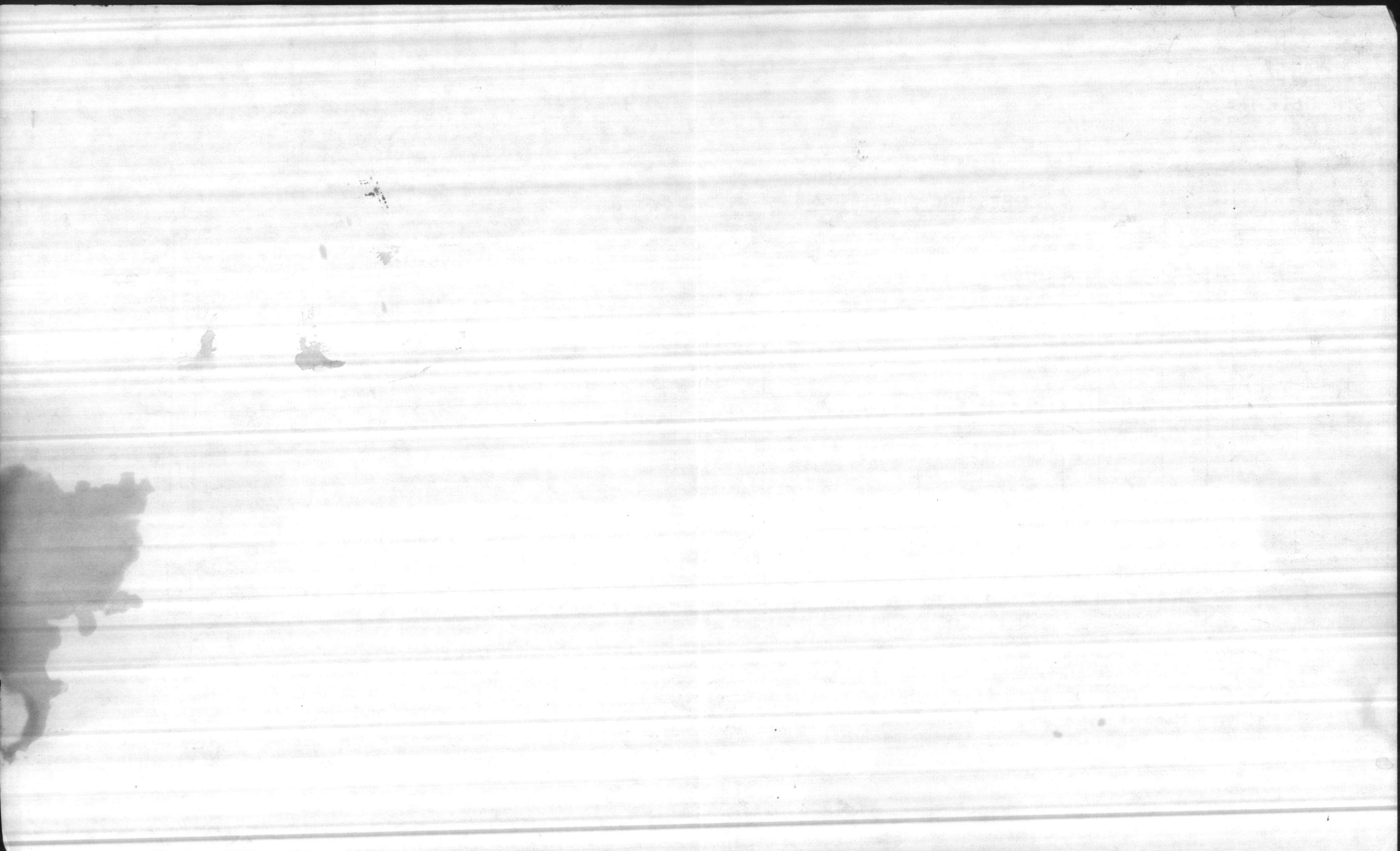
FOR PIPE WITH WALL THICKNESS LESS THAN 1/2"

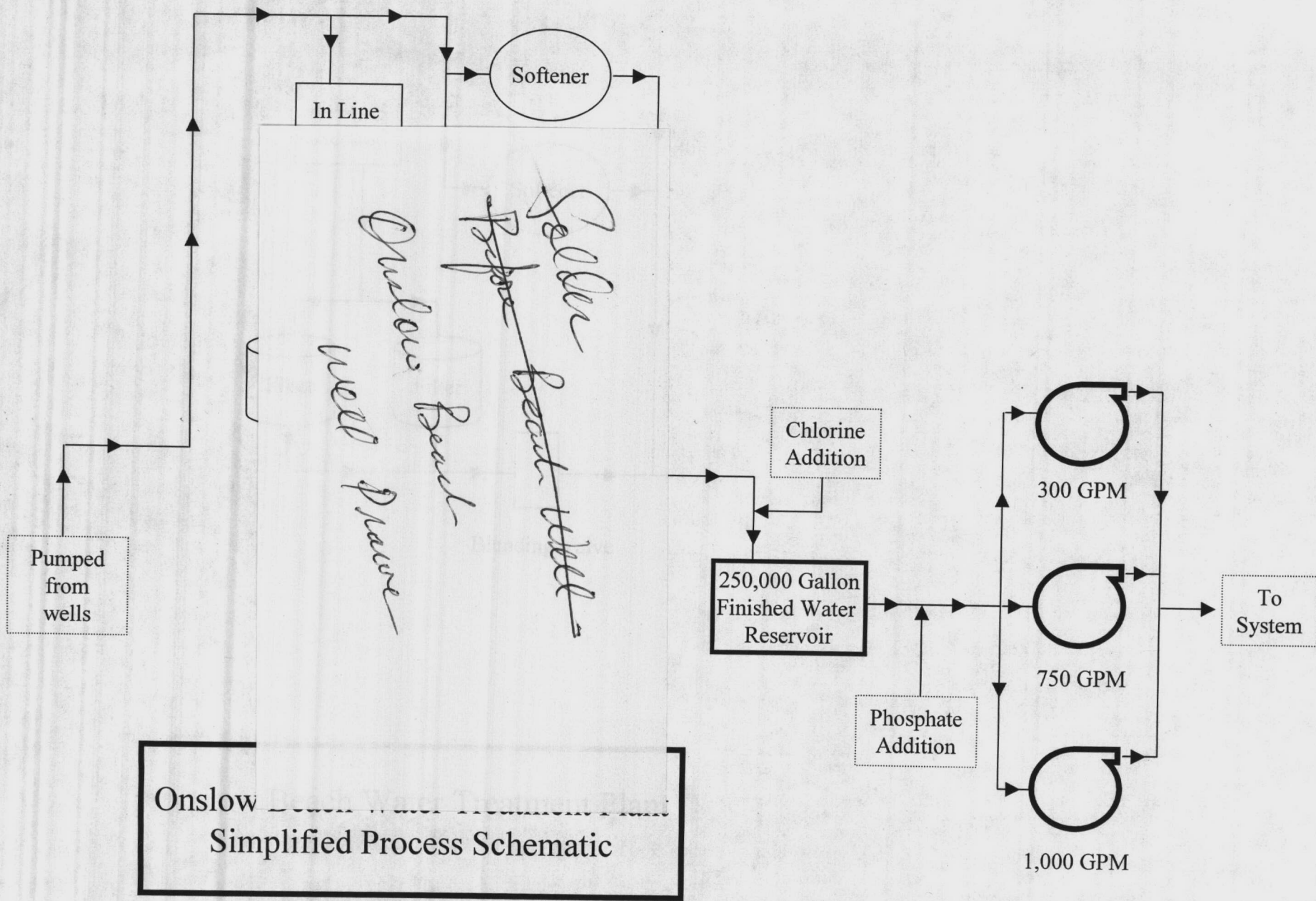
NOTE:-
MADE ENTIRELY BY CUSTOMER

DETAIL
PIEZOMETER CONNECTION
FOR
STEEL MAINS
SIMPLEX VALVE & METER CO.

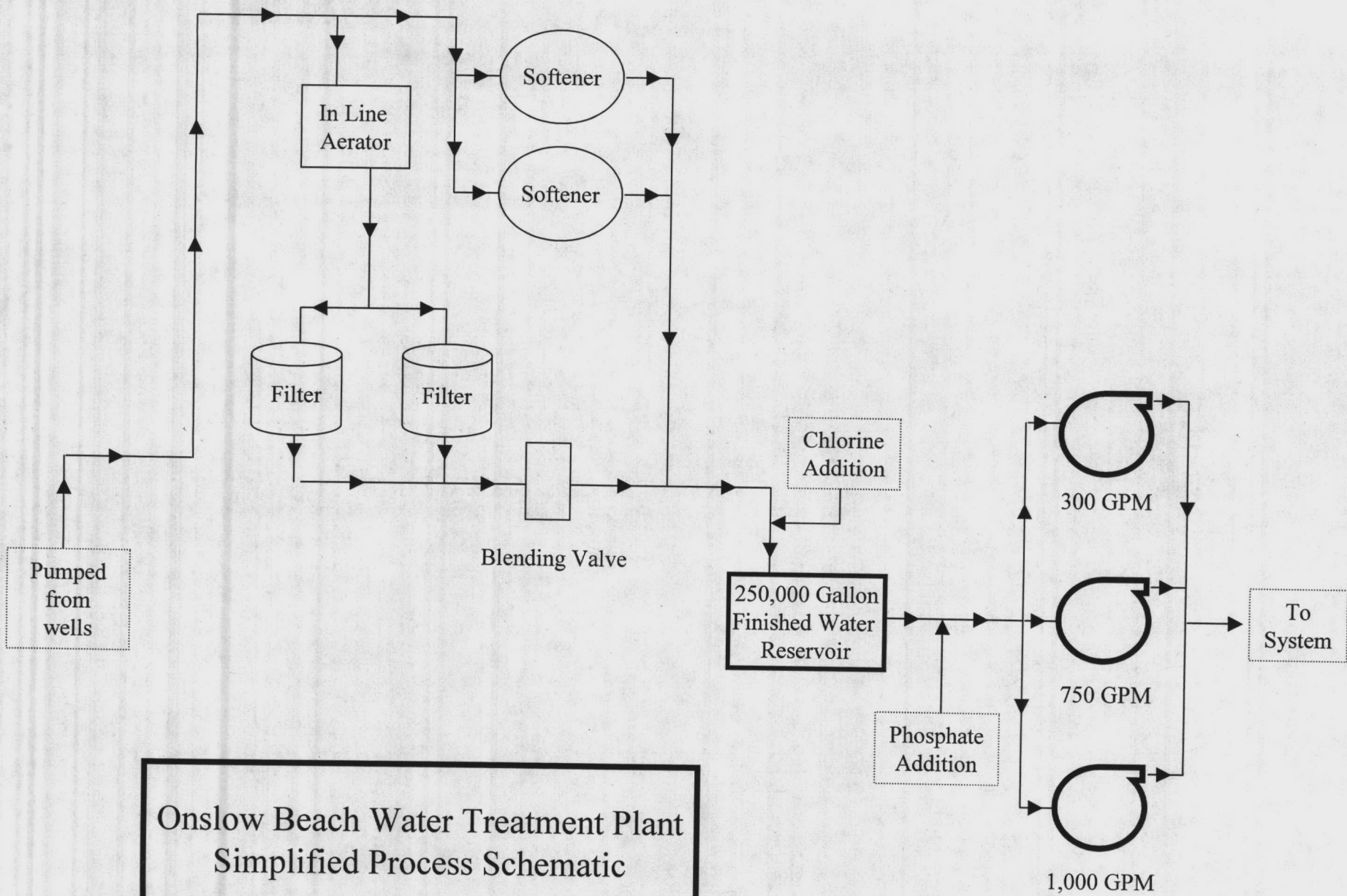
LANCASTER, PA 0
5292











Onslow Beach Water Treatment Plant
Simplified Process Schematic

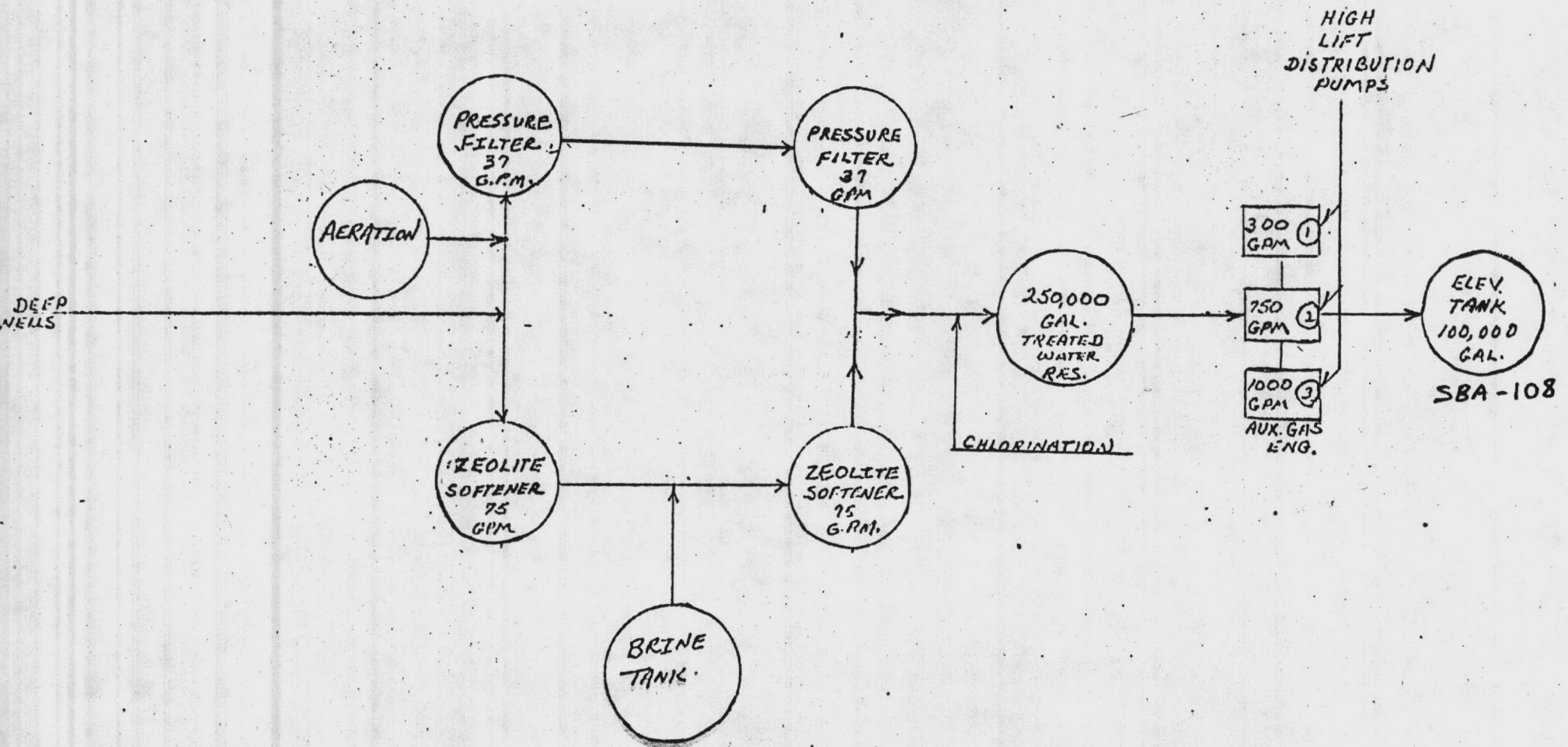


ON SLOW BEACH BLDG. BA-138

CAPACITY 250,000 GPD.

WITH 2 DEEP WELLS.

ZEOLITE SOFTENING PLANT



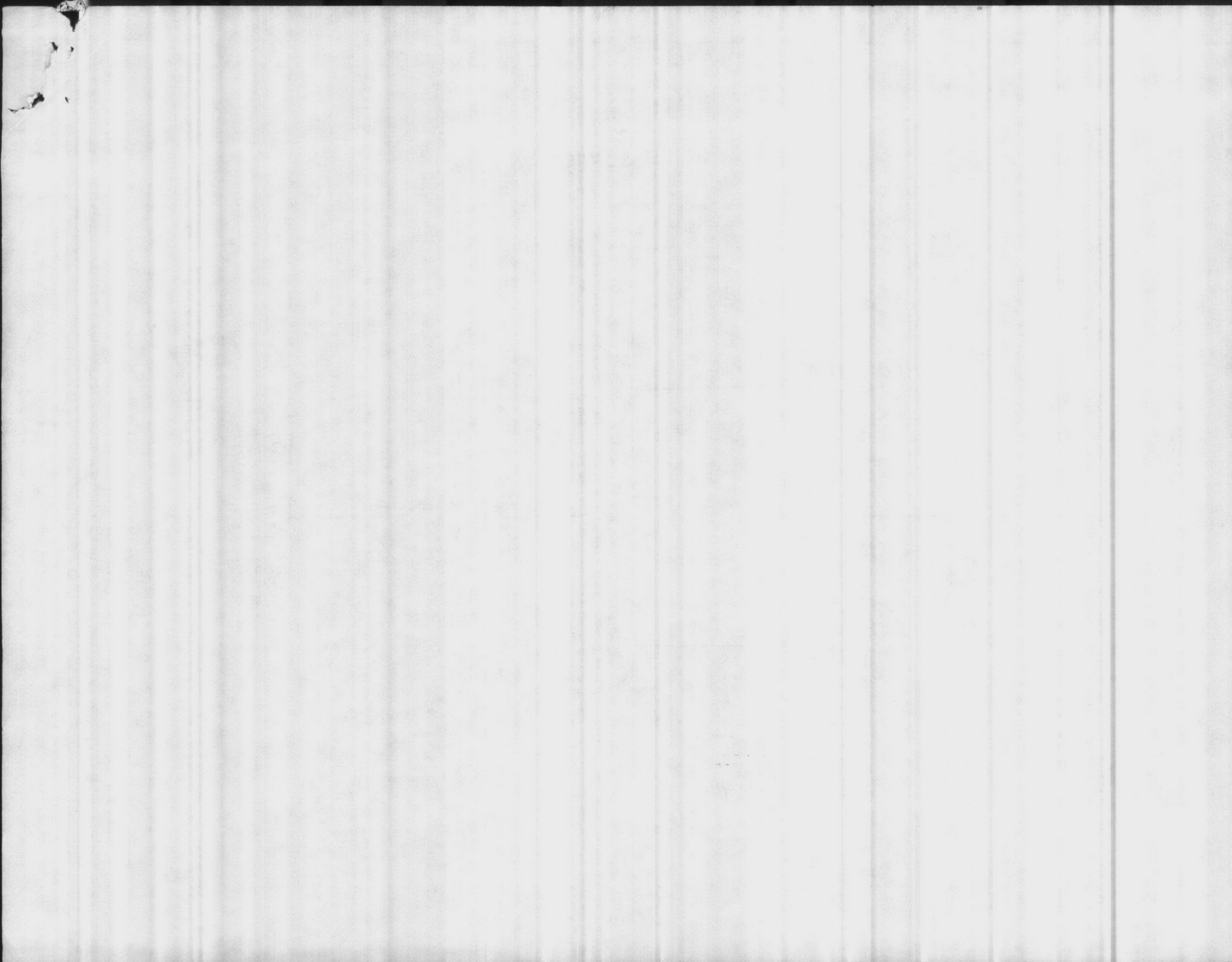


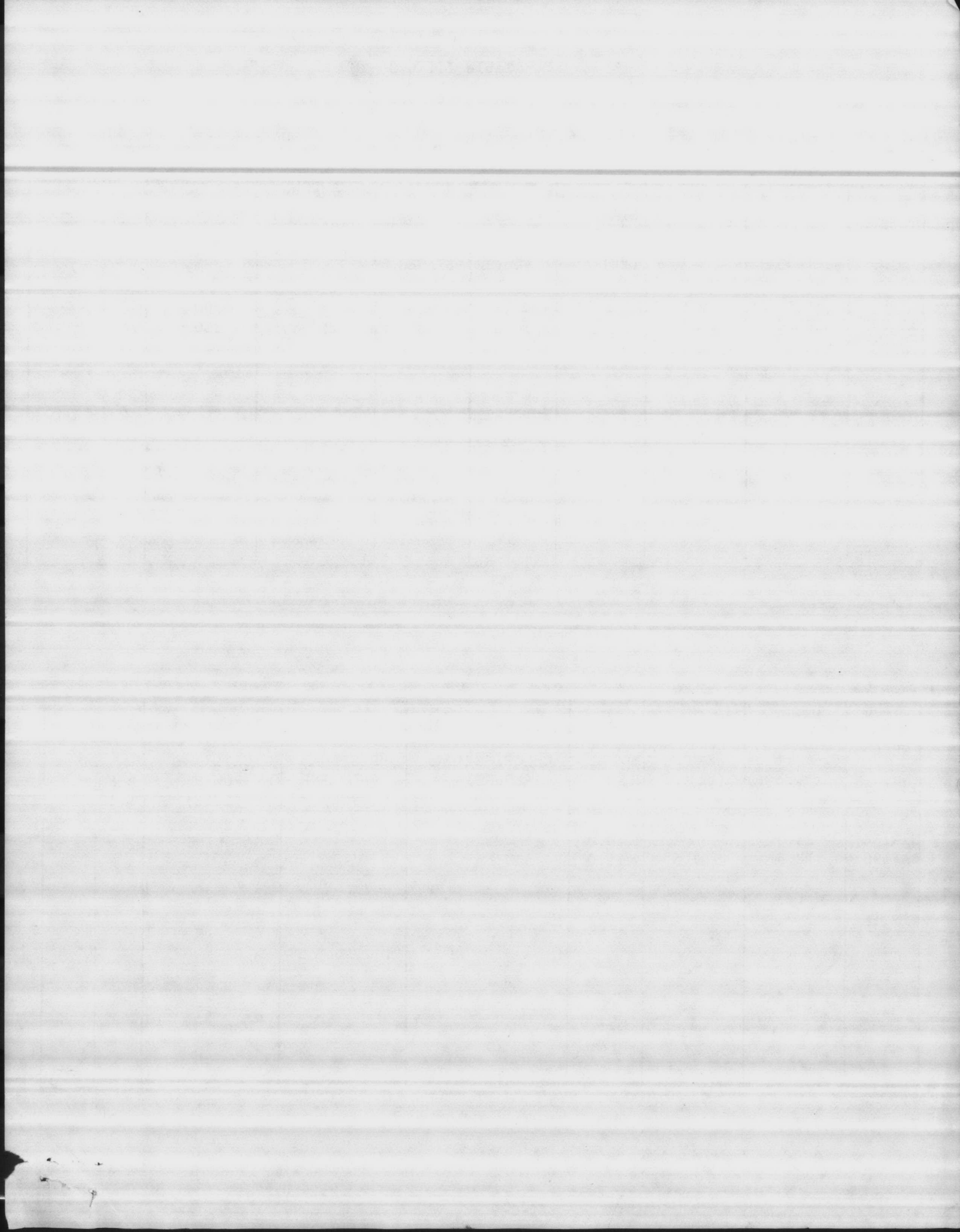
Table III C 3
WELL SURVEY SHEET

Sheet No. 11

DATE: 20 June 1984

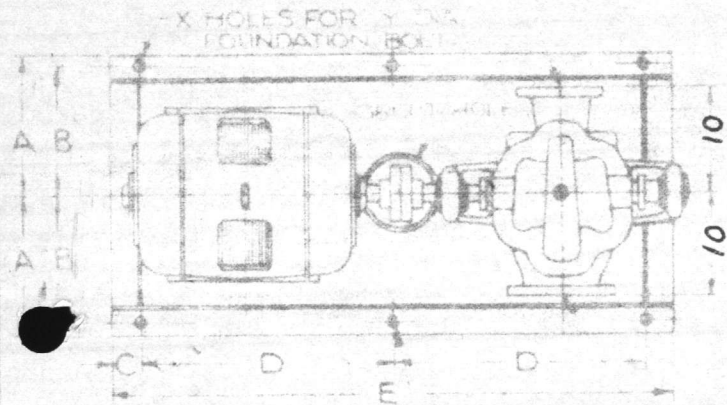
WELL NO.	WELL TYPE	DRILLED DEPTH ft.	STATIC LEVEL (ft)	CASING SIZE (in.)	STAGES	DRAWDOWN AT RATED CAPACITY (feet)	RATED CAPACITY (gpm)	PRESENT CAPACITY (gpm)
BA-164	DRILLED	61'	17'	8"	8	8'	200	175
BA-190	DRILLED	115'	7'	8"	7	20'	250	-

WELL NO.	SPECIFIC CAPACITY (gpm/ft of drawdown)	PUMP HEAD (ft)	MOTOR H. P.	CHLORINATION (AMOUNT)	RESIDUAL CHLORINE (TYPE)	AUXILIARY POWER (TYPE)	DD FORM	
							710	636
BA-164	25.0	130	10.0			GASOLINE		
BA-190	12.5	157.5	15.0					



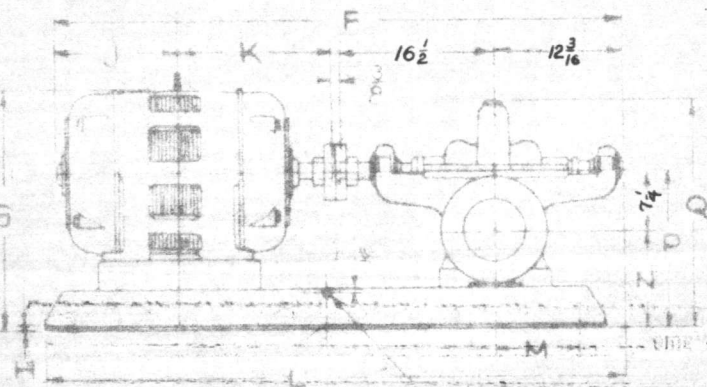
C.W. ROTATION
FACING MOTOR

3" X 5" FLANGE
7 1/2" DIA FLANGE
6" DIA BOLT
4 5/8" BOLT
HOLES EQUALLY
SPACED & STRADDLE



OF DRAIN AND FOUNDATION
BOLTS ON 6 BOLT BASE WHEN
A BOLT BASE IS USED THESE
CENTER FOUNDATION BOLTS
ARE OMITTED AND DIMENSION
D LOCATES DRAIN ONLY AND
2D EQUALS SPACING OF BOLTS

4" SECTION
9" DIA FLANGE
7" DIA BOLT
8 5/8" BOLT
HOLES EQUALLY
SPACED & STRADDLE



NOTE

PUMP SHOULD BE SET AT SUCH AN ELEVATION THAT THE TOTAL SUCTION LIFT INCLUDING PIPE FRICTION WHEN PUMP IS DELIVERING ITS FULL CAPACITY WILL NOT EXCEED 15 FEET.

WHEN UNITS SET ON CONCRETE FOUNDATION BOLTS SHOULD BE SET IN BOXES OR TUBES ABOUT TWICE THE SIZE OF BOLTS

	FRAME	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	X	Y	BASE No
184		11 1/4	9 1/2	2 1/2	21	47	42 3/16	21 5/8	5/16	5 3/8	7 3/4	47 5/16	9 3/8	9 7/8	17 1/8	25 1/8	4-5/8	1/2	12A1
213		11 1/4	9 1/2	2 1/2	21	47	44 7/16	22 5/16	5/16	6 1/8	9 1/4	48 1/16	8 5/8	9 7/8	17 1/8	25 1/8	4-5/8	1/2	12A1
215		11 1/4	9 1/2	2 1/2	21	47	45 15/16	22 5/16	5/16	6 7/8	10	48 7/16	8 1/4	9 7/8	17 1/8	25 1/8	4-5/8	1/2	12A1
254U	13	11 1/4	2 1/2	22 1/2	50	49 7/16	23 7/16	5/16	8 1/4	12 1/8	51 5/16	8 3/8	9 7/8	17 1/8	25 1/8	4-5/8	1/2	13A1	
256U	13	11 1/4	2 1/2	22 1/2	50	51 3/16	23 7/16	5/16	9 1/8	13	52 3/16	7 1/2	9 7/8	17 1/8	25 1/8	4-5/8	1/2	13A1	
284U	12	10	4 1/2	22 1/2	54	52 13/16	25 1/8	3/8	9 3/8	14 3/8	54 13/16	6 7/8	10 7/8	18 1/8	26 1/8	4-3/4	5/8	14C1	
286U	14 1/2	12 1/2	4 1/2	24	57	54 5/16	25 1/8	3/8	10 1/8	15 1/8	57 1/16	7 5/8	10 7/8	18 1/8	26 1/8	4-3/4	5/8	14A1	
324U	14 1/2	12 1/2	4 1/2	24	57	55 1/2	25 7/8	3/8	10 5/16	16 1/8	57 9/16	7 1/8	10 7/8	18 1/8	26 1/8	4-3/4	5/8	14A1	

THIS DRAWING CERTIFIED

FOR *AR* ORDER NO *14623*

FAIRBANKS MORSE & CO

PER *JS* DATE *5/12/52*

MOTOR FRAME THIS ORDER

ALL DIMENSIONS IN INCHES

FAIRBANKS, MORSE & CO - MFG DIV

DRAWN BY *J. Dill* DATE *3-30-54*
CHECKED BY *C.J.L.* DATE *4-26-54*

SETTING PLAN

3" FIG 5812 MOTOR DRIVEN
CENT. PUMP C.W. ROTATION

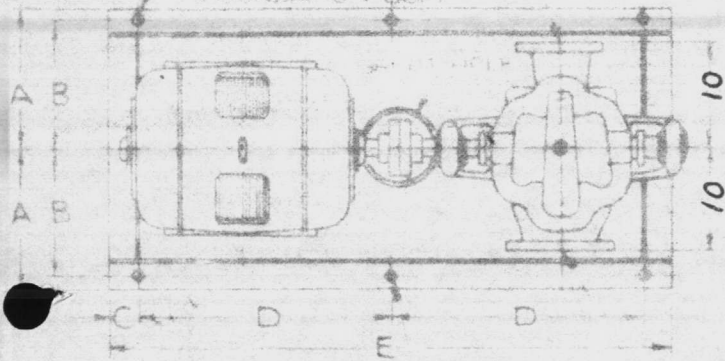
44D3B90

Job Name	Onslow Beach Marine Base		
Station	Camp Lejeune, N.C.		
Consulting Engrs.	Perwez Water Pump #1		
Contractor	Chicora Const. P. O. 270		
PUMP DATA			
Size	3"	Figure	5812
Capacity	300	G.P.M. Head	125' T.D.H.
MOTOR DATA			
Type	KZK	H.P.	15
	3	Phase	60
		Speed	1750 R.P.M.
		Cycles	208 Volts.

C.W. ROTATION
FACING MOTOR

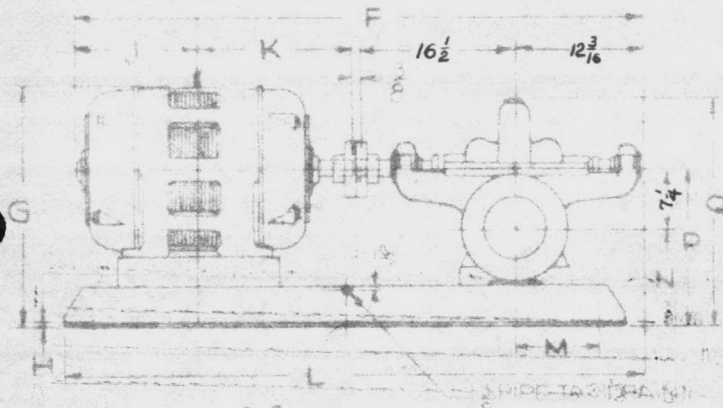
3" DISCHARGE
7 1/2" DIA. FLANGE
6" DIA. B.C.
4-5/8" BOLTS
HOLES EQUALLY
SPACED & STRADDLE

X HOLES FOR 1/2" DIA.
FOUNDATION BOLT



OF DRAIN AND FOUNDATION
BOLTS ON 6 BOLT BASE WHEN
A BOLT BASE IS USED THESE
CENTER FOUNDATION BOLTS
ARE OMITTED AND DIMENSION
D LOCATES DRAIN ONLY AND
ZD EQUALS SPACING OF BOLTS

4" SUCTION
9" DIA. FLANGE
7 1/2" DIA. B.C.
8-5/8" BOLTS
HOLES EQUALLY
SPACED & STRADDLE



NOTE

DUMP SHOULD BE SET AT SUCH AN ELEVATION THAT
THE TOTAL SUCTION LIFT INCLUDING PIPE FRICTION
WHEN PUMP IS DELIVERING ITS FULL CAPACITY
WILL NOT EXCEED 15 FEET

WHEN UNIT IS SET ON CONCRETE FOUNDATION
BOLTS SHOULD BE SET IN BOXES OR TUBES ABOUT
TWICE THE SIZE OF BOLTS

FRAME	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	X	Y	BASE NO.
184	11 1/4	9 1/2	2 1/2	21	47	42 3/16	21 5/8	5 5/16	5 3/8	7 3/4	47 5/16	9 3/8	9 7/8	17 1/8	25 1/8	4-5/8	1/2	12A1
213	11 1/4	9 1/2	2 1/2	21	47	44 7/16	22 5/16	5 5/16	6 1/8	9 1/4	48 1/16	8 5/8	9 7/8	17 1/8	25 1/8	4-5/8	1/2	12A1
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254U	13	11 1/4	2 1/2	22 1/2	50	49 7/16	23 7/16	5 5/16	8 1/4	12 1/8	51 5/16	8 3/8	9 7/8	17 1/8	25 1/8	4-5/8	1/2	13A1
256U	13	11 1/4	2 1/2	22 1/2	50	51 3/16	23 7/16	5 5/16	9 1/8	13	52 3/16	7 1/2	9 7/8	17 1/8	25 1/8	4-5/8	1/2	13A1
284U	12	10	4 1/2	22 1/2	54	52 13/16	25 1/8	3 3/8	9 3/8	14 3/8	54 13/16	6 7/8	10 7/8	18 1/8	26 1/8	4-3/4	5/8	14C1
286U	14 1/2	12 1/2	4 1/2	24	57	54 5/16	25 1/8	3 3/8	10 1/8	15 1/8	57 1/16	7 5/8	10 7/8	18 1/8	26 1/8	4-3/4	5/8	14A1
324U	14 1/2	12 1/2	4 1/2	24	57	55 1/2	25 7/8	3 3/8	10 5/16	16 1/8	57 9/16	7 1/8	10 7/8	18 1/8	26 1/8	4-3/4	5/8	14A1

THIS DRAWING CERTIFIED

FOR *AR* ORDER NO *14623*

FAIRBANKS MORSE & CO.

PER *V.L.* DATE *5/7/56*

MOTOR FRAME THIS ORDER

ALL DIMENSIONS IN INCHES

FAIRBANKS, MORSE & CO - MFG. DIV.

DRAWN BY *J. Dilly* DATE *3-30-54*

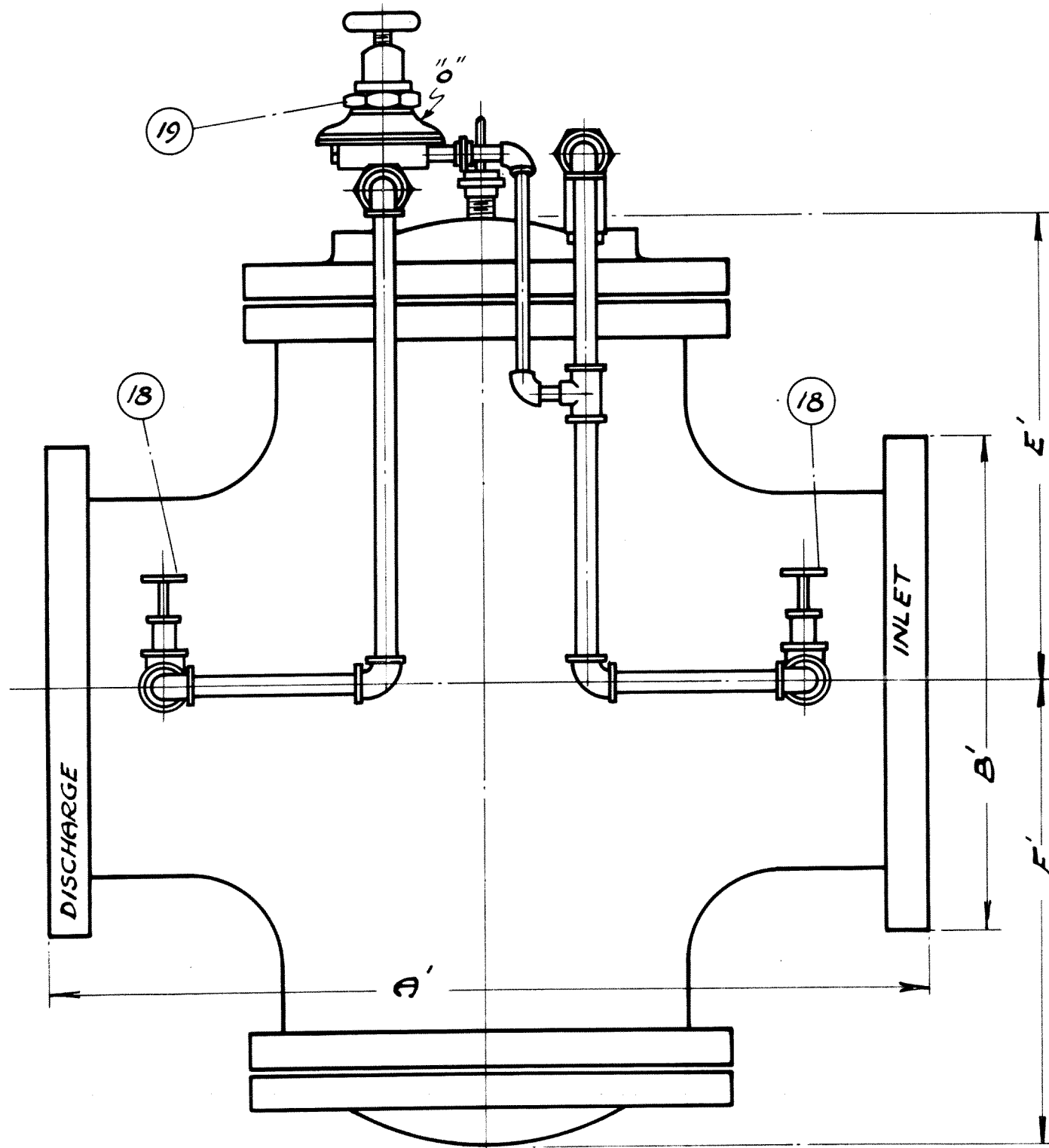
CHECKED BY *C.J.L.* DATE *4-26-54*

SETTING PLAN

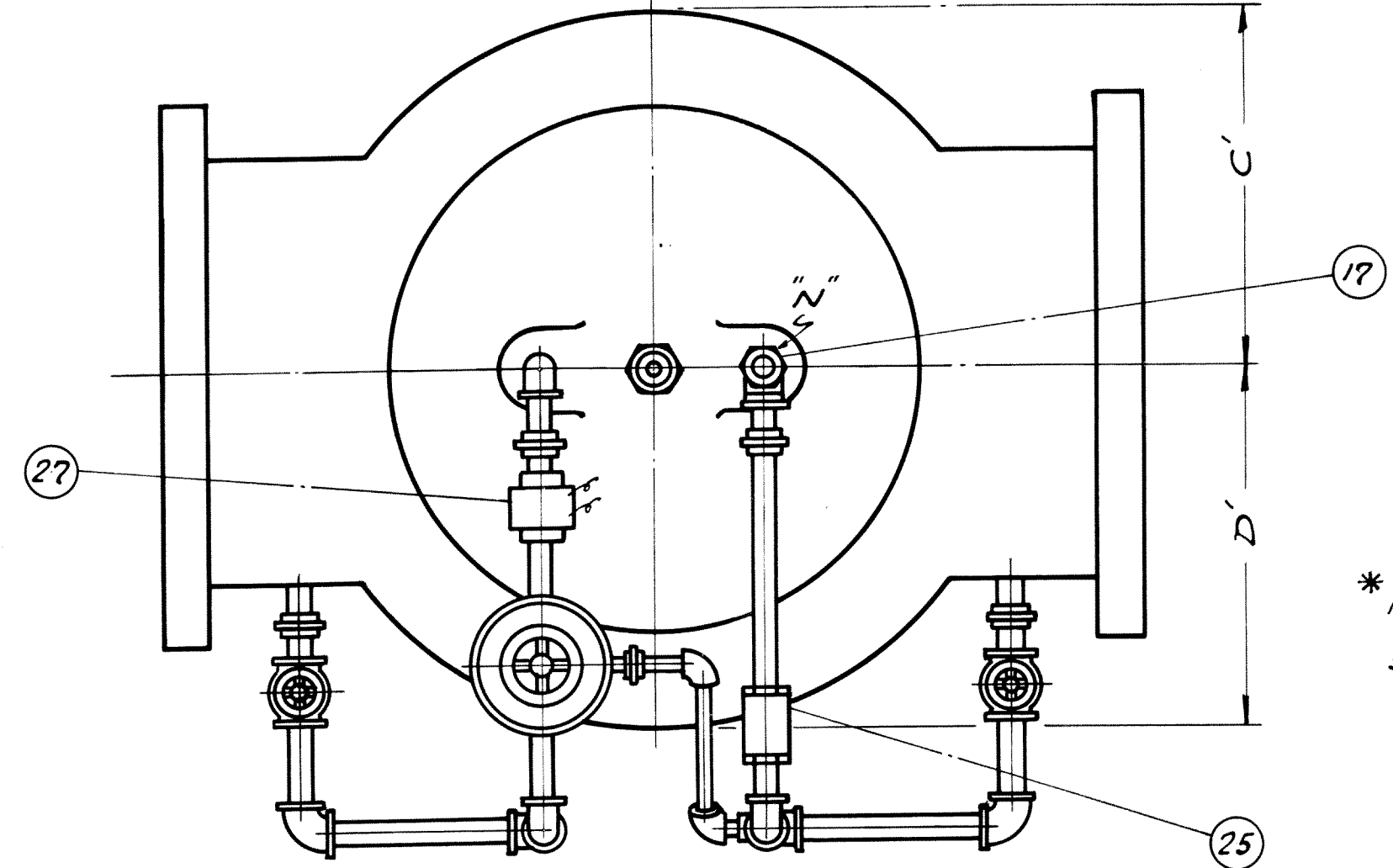
3" FIG. 5812 MOTOR DRIVEN
CENT. PUMP C.W. ROTATION

44D3B90

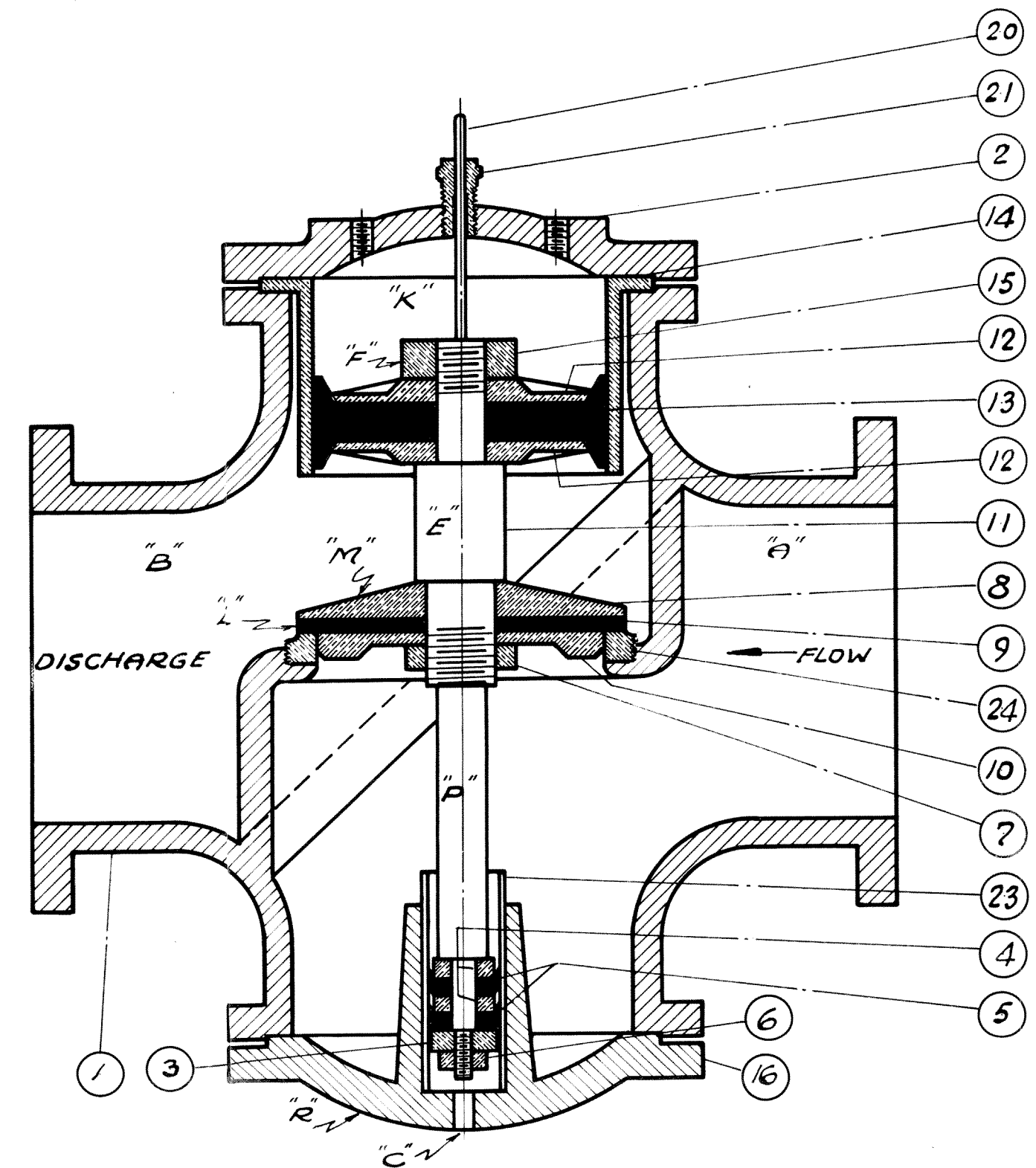
Job Name	Casson Beach Marina Base		
Station	Camp Lejeune, N.C.		
Consulting Eng'rs	Perdue Water Pump #1		
Contractor	Chicora Const. Co. 216		
PUMP DATA			
Size	3"	Figure	5812
Capacity	300	G.P.M. Head	125' T.D.H.
MOTOR DATA			
Type	KZK	H.P.	15
	3	Phase	60
		Speed	1750 R.P.M.
		Cycles	208 Volts.



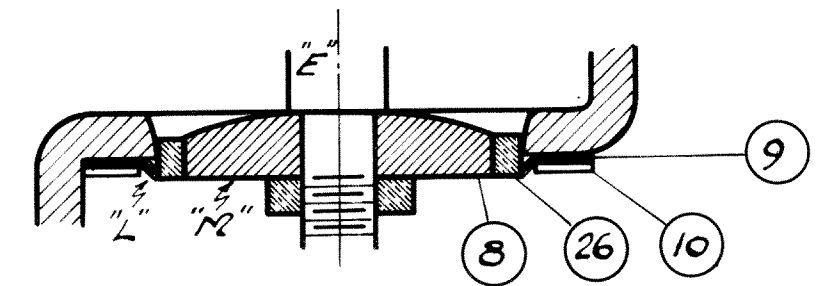
SIDE ELEVATION



PLAN



LONGITUDINAL SECTION



SLIDING SEAT

PART NO.	NAME OF PART	QUANTITY
1	VALVE SHELL	1
2	TOP CAP	1
3	BOTTOM STEM GUIDE NUT	1
4	" CUP FOLLOWER	2
5	" PISTON CUP LEATHER	2
6	" STEM LOCK NUT	1
7	NUT	1
* 8	SEAT DISC	1
9	" LEATHER	1
10	" " SUPPORT	1
11	STEM	1
12	PLATE	2
13	MAIN CUP LEATHER	2
14	" BUSHING	1
15	TOP NUT	1
16	BOTTOM CAP	1
17	NEEDLE VALVE	1
18	GATE VALVE	2
19	PILOT VALVE	1
20	INDICATOR ROD	1
21	" STUFFING BOX	1
23	CAP CYLINDER	1
24	SEAT RING	1
25	STRAINER	1
* 26	DISC RING	1
27	SOLENOID	1

125# FLANGES

SIZE	WEIGHT	DIMENSIONS IN INCHES ±					
		A'	B'	C'	D'	E'	F'
8"	670	23 ⁷ / ₈	13 ¹ / ₂	8 ⁵ / ₈	8 ⁵ / ₈	12 ¹ / ₂	12 ¹ / ₂
10"	910	24 ⁷ / ₈	16	10	10	13 ¹ / ₄	13 ¹ / ₄
12"	1320	30	19	11 ¹ / ₂	11 ¹ / ₂	15 ¹ / ₂	15 ¹ / ₂
14"	2100	36 ³ / ₄	21	14 ¹ / ₂	14 ¹ / ₂	19	19
16"	2220	37 ⁷ / ₈	23 ¹ / ₂	15	15	19	19
18"	3000	41 ³ / ₄	25	18	18	23 ¹ / ₂	23 ¹ / ₂
20"	3200	41 ³ / ₄	27 ¹ / ₂	18	18	23 ¹ / ₂	23 ¹ / ₂
24"	4400	48	32	19 ¹ / ₂	19 ¹ / ₂	25 ³ / ₄	25 ³ / ₄
30"	11250	63 ³ / ₄	38 ³ / ₄	26	26	35	35

* NOTE:
FROM 1948 SIZES 8" TO 12" HAVE ONE PIECE BRONZE
SLIDING SEAT DISC IN PLACE OF PARTS 8 AND 26

ROSS VALVE MANUFACTURING CO.
TROY, NEW YORK
TITLE: MODEL 50-RWR -- RELIEF AND
BACK PRESSURE REGULATING
VALVE WITH SOLENOID

SCALE: No Scale DATE: 3-21-55
MADE BY: G.B.H. DRAWING NO. 3605-B
REVISED: _____

PUBLIC WORKS DEPARTMENT
CAMP LEJEUNE, NORTH CAROLINA

APPROVED

SUBJECT TO CONTRACT REQUIREMENTS

CONTRACT NO. 693544 SPEC. NO. 49978
TITLE Water Treatment Facilities Outer Beach
DATE: 3 May 1956 *[Signature]*
BY DIRECTION OF OFFICER
IN CHARGE OF CONSTRUCTION

*Water Treat. for
Outer Beach*

TEST SHEET
RIO ENGINEERING COMPANY

Name ODYSSEY CONTRACTING Date 2-20-76
 DC Volts 40 DC Amps 10/5 Breaker Size 10
 AC Volts 115/230 Phase 1 Unit No. 760043

#	DC		AC		A.C. Watts	EFFICIENCY	
	Volts	Amps	Volts	Amps			
1-1	0.5	0.2					
2	1.0	0.3					
3	4.0	0.5					
4	6.2	1.2					
5	9.8	1.8					
6	12.0	2.5					
7							
2-1	14.0	3.0					
2	17.0	3.6					
3	20.0	4.4					
4	22.5	5.2					
5	25.5	6.0					
6	28.0	6.8			320	60%	
7							
3-1	30.0	7.2					
2	33.0	8.0					
3	36.0	8.8					
4	40.0	10.0			550	73%	
5							
6							
7							
4-1							
2							
3							
4							
5							
6							
7							
KVA	AC VOLT	AC AMPS	DC VOLTS	TAP POSITION	AC VOLTS WITH LOAD	NO LOAD AC VOLTS	MAX. TRANS. VOLTAGE
	115	2	40	H-4	46	48	54

Tested By William Parker

10
10
10

10/2
1

012224

40

112/230

10/2
10/2
10/2

10/2
10/2
10/2

10/2
10/2

220

10/2

10/2
10/2

TEST SHEET
RIO ENGINEERING COMPANY

Name ODYSSEY CONTRACTING Date 2-20-76
 DC Volts 40 DC Amps 10/5 Breaker Size 10
 AC Volts 115/230 Phase 1 Unit No. 760043

	DC Volts	DC Amps	A.C. Watts	EFFICIENCY			
#2 RISER - 5 AMP							
1--1	0.6	0.1					
2	1.8	0.2					
3	4.0	0.6					
4	7.0	1.0					
5	10.0	1.4					
6	13.0	1.6					
7							
2--1	14.0	1.8					
2	17.0	2.2					
3	20.0	2.5					
4	23.0	2.8					
5	26.0	3.2					
6	29.0	3.6	170	62%			
7							
3--1	31.0	3.8					
2	34.0	4.2					
3	37.0	4.6					
4	40.0	5.0	275	73%			
5							
6							
7							
4--1							
2							
3							
4							
5							
6							
7							
KVA	AC VOLT	AC AMPS	DC VOLTS	TAP POSITION	AC VOLTS WITH LOAD	NO LOAD AC VOLTS	MAX. TRANS. VOLTAGE
	115	2	40	N-4	46	48	54

Tested By William Rohan

112 9 70

112

112

112

110

112

112

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112

112

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10/2

112

112

112

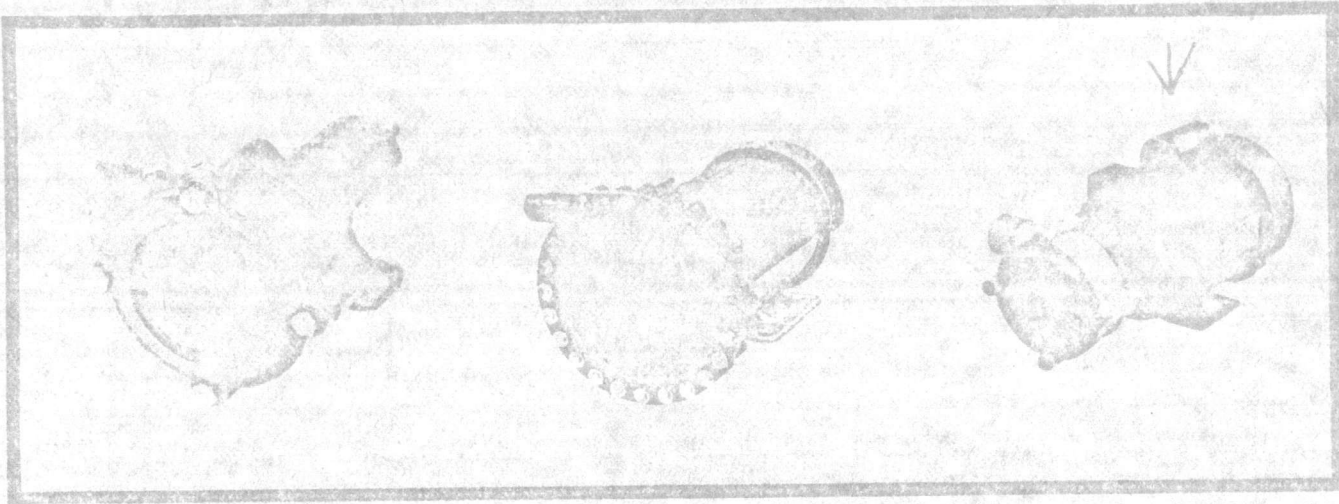
APPROVED



Corrosion Resistant Centrifugal Pumps

CPVC (Hi Temp) & Polypropylene
MOTOR PUMP & PEDESTAL MOUNT

BY CH6
DATE 6/9/76



Excellent Corrosion Resistance • Non-Metallic Contact Surfaces • Wide Selection of Seal Faces and Elastomers • Capacities to 120 GPM • Pressures to 140 Feet • Comprehensive Selection of Motors • Low Cost • Quiet Operation

Features

CORROSION RESISTANCE – C3 and C6 models are precision molded of CPVC – Chlorinated Poly Vinyl Chloride – “Hi Temp”. The shaft in these pumps are available in 316 Stainless Steel, Titanium, or 316 SS sleeved with CPVC, which eliminates all metal from contact with the fluid being pumped.

C10 Series pumps are Polypropylene with a CPVC impeller. Shafts are available in 316 Stainless Steel, Carpenter 20 or Titanium.

A wide selection of seals is available for all C Series pumps enabling their use for an infinite range of chemical and food handling applications.

SEALS – C3 and C6 Series pumps utilize Crane Type 21 seals. The seals are installed in a manner eliminating the stainless elements from product contact. An assortment of over 20 seal faces and elastomers offers a wide selection of seal combinations for the difficult chemical applications. C10 Series pumps employ the Crane No. 9 Seal. This heavy duty, balanced seal, has alloy components in the fluid. An assortment of seal faces are offered and the alloys in the seal are the same as the pump shaft—316 Stainless, Carpenter 20 or Titanium. Refer to Flotec Seal Selection Guide (Form 125) for details.

WATER JACKETED SEAL – Models C6 and C10 are available with provision for Water Jacketed Seals. This feature is utilized when pumping abrasives, solutions that tend to crystallize, when dry running is possible, or for short periods of operation against a shut in discharge.

TEMPERATURE RANGE – CPVC and Polypropylene is well rated for most chemical service from 0 – 180 F. Consult

Flotec's Chemical Resistance Chart (Form 120) for specific details on temperature effect and corrosion resistance.

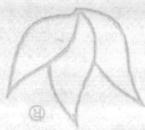
ELASTOMERS – O-Ring and Seal Elastomers available in Buna N, Viton and Ethylene Propylene. Refer to Flotec Chemical Resistance Chart (Form 120) for recommendations.

PRIMING – Like most Centrifugals, Flotec C Series pumps must be primed. These models are best suited for flooded suction service; however, they may be used for applications where vertical suction lift is needed. Refer to Flotec Operating and Installation Instructions, (Form 221) for plumbing recommendations.

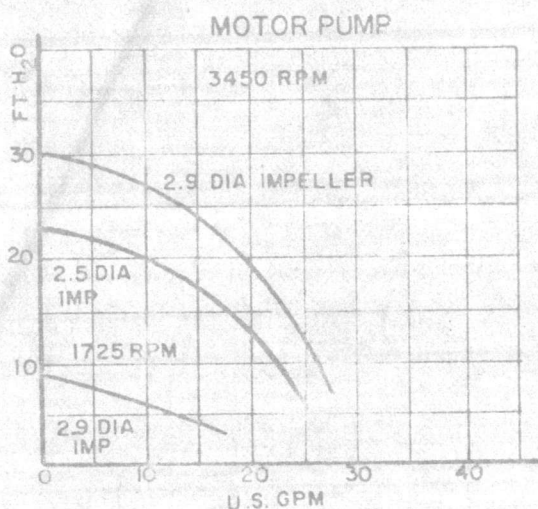
DRY RUNNING – Pumps are not to be run dry. Damage may result if pumps are operated without fluid or if improperly primed. In installations where the pump may run dry, a Corrosion Resistant Vacuum Switch, or a Water Jacketed Seal should be employed.

MOTORS – C Series pumps are offered with a comprehensive selection of single and three phase A.C. motors, 12 volt D.C. and Air Motors. Performance Curves are based upon water – Consideration must be given to Horsepower requirements when the Specific Gravity exceeds 1.0. Consult pedestal mounted pump curves to calculate Horsepower needs.

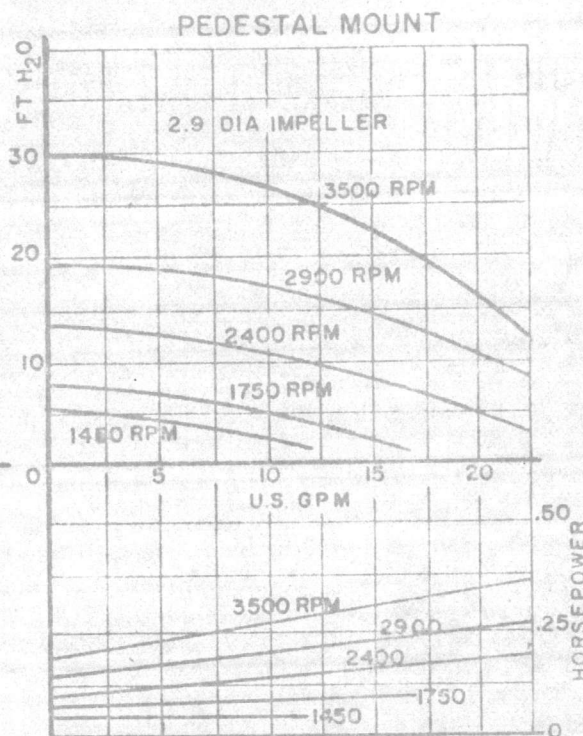
OPERATING & INSTALLATION INSTRUCTIONS – Flotec (Form 221) provides information on installation, service details, and recommended plumbing techniques. Available upon request and is packaged with each C Series pump.



C3 Models Head-Flow Curves



Performance data based upon water. Where specific gravity exceeds 1.0, use Pedestal Mount Curve to determine horsepower requirement. For other impeller diameters, and performance up to 4200 RPM, contact Flotec.



Design Features

BODY & END COVER: CPVC (Hi Temp)

IMPELLER: CPVC (Hi Temp) Closed Design

PORTS: 3/4" Inlet x 1/2" Discharge (Both Internal pipe thread).

SHAFT: 316 Stainless, Non-Metallic (Sleeved CPVC) or Titanium.

SEAL: Carbon/Ceramic Face Seal (Refer to Flotec Form 125 for options).

O RING: Buna N (Standard), Viton, or Ethylene Propylene.

Options

IMPELLER DIAMETERS — Motor Pump and Pedestal mounted models are standard with 2.9" impeller. To order 2.5" impeller, add suffix "5" to model No.

SHAFT & SEAL — Pumps are standard with 316 SS shaft. To order sleeved shaft (no metal in pump) add suffix S; to order Titanium shaft add suffix T to Model No. Refer to Flotec Form 125 for seal options.

ELASTOMERS — O RING & SEAL COMPONENTS — Pumps are standard with Buna N. To order Viton add suffix "V"; for Ethylene Propylene add suffix "E" to Model No.

MOTORS — Standard motors shown under "Specifications" are usually available from stock. For motors with different electrical characteristics, contact the factory.

Specifications

316 SS SHAFT	NON-METALLIC SHAFT	TITANIUM SHAFT	WT.	MOTOR
C3P8-1104	C3P8-1104S	C3P8-1104T	16#	1/4 Hp, 1725 RPM, 115 V, 1.0, Totally Encl.
C3P8-1134	C3P8-1134S	C3P8-1134T	16#	1/4 Hp, 1725 RPM, 230/400, 3.0, Totally Encl.
C3P8-1160	C3P8-1160S	C3P8-1160T	16#	1/3 Hp, 3450 RPM, 115 V, 1.0, Open Drop Proof
C3P8-1164	C3P8-1164S	C3P8-1164T	35#	1/3 Hp, 3450 RPM, 115-230 V, 1.0, Totally Encl.
C3P8-1194	C3P8-1194S	C3P8-1194T	38#	1/3 Hp, 3450 RPM, 230/400, 3.0, Tot. Encl.
C3P8-5100	C3P8-5100S	C3P8-5100T	5#	Pedestal Mount, Ball Bearing
C3P8-5100	C3P8-5100S	C3P8-5100T	12#	Gast 4AM Air Motor Unit

Consult "C" Series price sheet for model number of Explosion Proof Motor Pump Units.

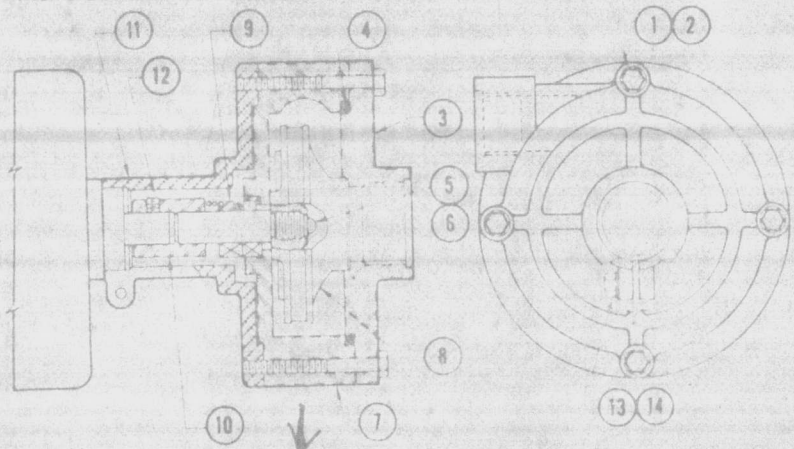


Flotec INC

14510 South Carmenita Road • Norwalk, CA 90650 • (213) 921-1495

C3PO-CPVC CENTRIFUGAL PUMPS

PART NUMBERS & DIMENSIONAL DATA



PARTS DESCRIPTION	C3P8-1104	C3P8-1137	C3P8-1160	C3P8-1164	C3P8-1164-(48)1167	C3P8-1197	C3P8-1236	C3P8-1236
1. Shaft (316 SS) 4. Rod'd.	1134	1137	1160	1164	1164	1197	1236	1236
2. Bolt (316 SS) 4. Rod'd.	4-48	4-48	4-48	4-48	4-48	4-48	4-48	4-48
3. Washer (316 SS) 4. Rod'd.	1-11	1-11	1-11	1-11	1-11	1-11	1-11	1-11
4. End Cover	1736	1736	1736	1736	1736	1736	1736	1736
5. O-Ring (Viton)	6-337	6-337	6-337	6-337	6-337	6-337	6-337	6-337
6. O-Ring (Viton)	V6-337	V6-337	V6-337	V6-337	V6-337	V6-337	V6-337	V6-337
7. Screw (316 SS)	4-56	4-56	4-56	4-56	4-56	4-56	4-56	4-56
8. Washer (316 SS)	1-14	1-14	1-14	1-14	1-14	1-14	1-14	1-14
9. Nut (316 SS)	1734	1734	1734	1734	1734	1734	1734	1734
10. Impeller (2.9" Dia.)	1034-29	1034-29	1034-29	1034-29	1034-29	1034-29	1034-29	1034-29
11. Impeller (2.9" Dia.)	1034-25	1034-25	1034-25	1034-25	1034-25	1034-25	1034-25	1034-25
12. Seal (Bronze & Teflon)	20-5	20-5	20-5	20-5	20-5	20-5	20-5	20-5
13. Seal (Viton)	V20-5	V20-5	V20-5	V20-5	V20-5	V20-5	V20-5	V20-5
14. O-Ring (Viton)	1730	1730	1730	1730	1730	1730	1730	1730
15. O-Ring (Viton)	4-10	4-10	4-10	4-10	4-10	4-10	4-10	4-10
16. O-Ring (Viton)	4-69	4-69	4-69	4-69	4-69	4-69	4-69	4-69
17. O-Ring (Viton)	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4
18. Pump Head Ass'y (Bronze)	1730S	1730	1730	2910V	1730V	1730V	1730V	1730V
19. Pump Head Ass'y (Viton)	1730SV	1730SV	1730SV	1730SV	1730SV	1730SV	1730SV	1730SV
20. Motor or Pump	1283-3	1069-3			1607-3	1748		

NON-METALLIC SHAFTS		C3P8-1104T	C3P8-1137T	C3P8-1160T	C3P8-1164T	C3P8-1164-(48)1167T	C3P8-1197T	C3P8-1236T	C3P8-1236T
1. Shaft (316 SS) 4. Rod'd.		1104T	1137T	1160T	1164T	1164T	1197T	1236T	1236T
2. Bolt (316 SS) 4. Rod'd.		1134T	1137T	1160T	1164T	1164T	1197T	1236T	1236T
3. Washer (316 SS) 4. Rod'd.		1034-29S	1034-29S	1034-29S	1034-29S	1034-29S	1034-29S	1034-29S	1034-29S
4. End Cover		1034-25S	1034-25S	1034-25S	1034-25S	1034-25S	1034-25S	1034-25S	1034-25S
5. O-Ring (Viton)		1730S	1730S	1730S	1730S	1730S	1730S	1730S	1730S
6. O-Ring (Viton)		1730SV	1730SV	1730SV	1730SV	1730SV	1730SV	1730SV	1730SV
7. Seal (Bronze & Teflon)		C3P8-1104T	C3P8-1137T	C3P8-1160T	C3P8-1164T	C3P8-1164-(48)1167T	C3P8-1197T	C3P8-1236T	C3P8-1236T
8. Seal (Viton)		1104T	1137T	1160T	1164T	1164T	1197T	1236T	1236T
9. O-Ring (Viton)		4-56T	4-56T	4-56T	4-56T	4-56T	4-56T	4-56T	4-56T
10. Washer (316 SS)		1-14T	1-14T	1-14T	1-14T	1-14T	1-14T	1-14T	1-14T
11. Nut (316 SS)		1737T	1737T	1737T	1737T	1737T	1737T	1737T	1737T
12. Impeller (2.9" Dia.)		1730T	1730T	1730T	1730T	1730T	1730T	1730T	1730T
13. Impeller (2.9" Dia.)		1730TV	1730TV	1730TV	1730TV	1730TV	1730TV	1730TV	1730TV
14. Seal (Bronze & Teflon)		1730T	1730T	1730T	1730T	1730T	1730T	1730T	1730T
15. Seal (Viton)		1730TV	1730TV	1730TV	1730TV	1730TV	1730TV	1730TV	1730TV
16. O-Ring (Viton)		1730T	1730T	1730T	1730T	1730T	1730T	1730T	1730T
17. O-Ring (Viton)		1730TV	1730TV	1730TV	1730TV	1730TV	1730TV	1730TV	1730TV
18. Pump Head Ass'y (Bronze)		1730T	1730T	1730T	1730T	1730T	1730T	1730T	1730T
19. Pump Head Ass'y (Viton)		1730TV	1730TV	1730TV	1730TV	1730TV	1730TV	1730TV	1730TV

* Parts for Viton fitted pumps having suffix "SV" in part number.
 ** Supplied with #10 shaft.
 *** Supplied with #11 adapter.
 48 Frame motors may be substituted for 56 Frame motors when pump is supplied with 48 Frame motor, only pumps shown under 56 Frame labeled C3P8-1164-48.

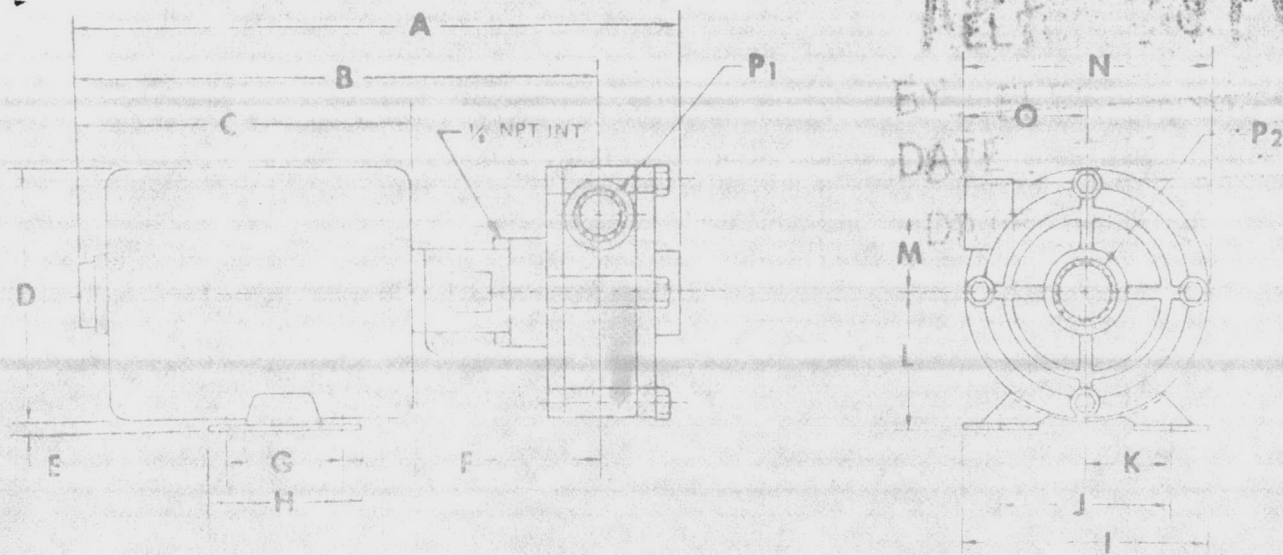
Pump Head Assembly - standard with 2.9" Dia. Impeller

MANUFACTURERS OF PUMPS AND FLUID HANDLING DEVICES

LITHO IN U.S.A. 6/74 FORM NO. 3

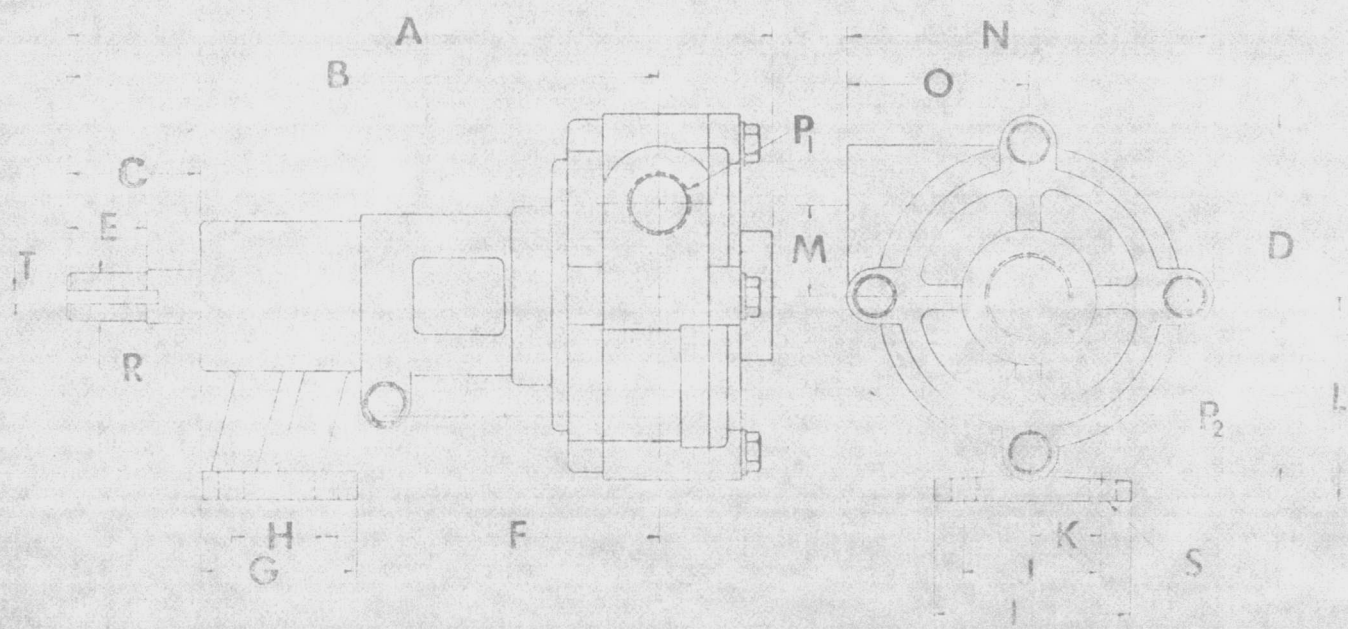


APPROVED
MELT



Dimensions

MODEL NO.	WT	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P1	P2
3PB-110	16#	13-5/8	12-1/4	8-3/8	5-3/4	1/8	5-25/32	2-3/4	3-5/8	5-5/8	4-1/4	2-1/8	3	1-3/16	4-1/2	2-1/4	3/4 x 1/2 IPT	
3PB-113	16#	12-5/8	11-1/4	7-5/8	5-3/4	1/8	5-25/32	2-3/4	3-5/8	5-5/8	4-1/4	2-1/8	3	1-3/16	4-1/2	2-1/4	3/4 x 1/2 IPT	
3PB-116	16#	12-1/8	10-3/4	6-7/8	5-3/4	1/8	5-25/32	2-3/4	3-5/8	5-5/8	4-1/4	2-1/8	3	1-3/16	4-1/2	2-1/4	3/4 x 1/2 IPT	
3PB-118	16#	13-11/16	12-5/16	8-7/16	6-1/2	1/4	6-1/32	3	4	6-1/2	4-7/8	2-7/16	3-1/2	1-3/16	4-1/2	2-3/4	3/4 x 1/2 IPT	
3PB-1164-8R	11#	13-1/16	12-5/16	7-7/8	6-1/4	1/8	5-3/4	2-3/4	3-5/8	5-5/8	4-1/4	2-1/8	3	1-3/16	4-1/2	2-1/4	3/4 x 1/2 IPT	
3PB-1167	35#	14-3/4	13-11/8	9	6-1/4	1/8	5-3/4	2-3/4	3-5/8	5-5/8	4-1/4	2-1/8	3	1-3/16	4-1/2	2-1/4	3/4 x 1/2 IPT	
3PB-1169	34#	14-1/16	13-7/16	7-7/8	6-1/4	1/8	5-3/4	2-3/4	3-5/8	5-5/8	4-1/4	2-1/8	3	1-3/16	4-1/2	2-1/4	3/4 x 1/2 IPT	
3PB-1192	21#	13-9/16	12-1/2	7-3/8	6-1/4	1/8	5-3/4	2-3/4	3-5/8	5-5/8	4-1/4	2-1/8	3	1-3/16	4-1/2	2-1/4	3/4 x 1/2 IPT	



Dimensions

MODEL NO.	WT	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P1	P2	R	S	T
C6 PEDESTAL MOUNT	8#	7-1/2	7-1/2	4	1	4-1/2	1-15/16	1-1/2	2	1-1/4	2-1/8	2-1/2	1-3/16	4-1/2	2-1/2	2-1/2	1/2" IPT	3/4" IPT			

APPROVED
BY _____
DATE _____
DATE _____



OT (8-66) ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511

APPROVED:

SUBJECT TO THE REQUIREMENTS OF
CONTRACT N62470-76-C-6049
APPROVAL OF MATERIALS AND/OR EQUIPMENT
INDICATES COMPLIANCE WITH SPECIFICATION
REQUIREMENTS ONLY — THE CONTRACTOR
SHALL BE RESPONSIBLE FOR PROVIDING
PROPER PHYSICAL DIMENSIONS & WEIGHTS,
COORDINATION OF TRADES, ETC., AS REQUIRED.

A. W. WALTON, JR.
RADM, CEC, USN

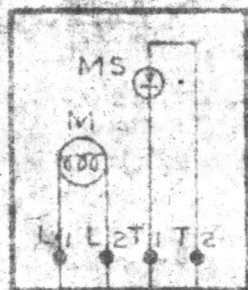
Date JUN 14 1976 COMLANTNAVFACENGCOM

Henry von Oesen and Associates
Consulting Engineers
611 Princess Street
Wilmington, North Carolina

Checked by [Signature] Date JUN 14 1976



TRANSMITTER



120V
A.C.

646729

NOTES:

- CM - CHART DRIVE
- EM - ELECTRO MAGNET (10V 45MA DC)
- GM - GEAR TRAIN MOTOR
- M - CAM MOTOR
- MS - MERCURY SWITCH

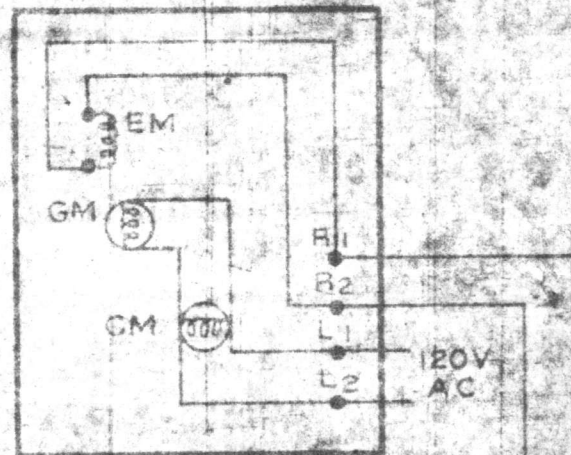
1. SEE NAME PLATE OF INSTRUMENTS FOR PROPER VOLTAGE & FREQUENCY.
2. FOR VOLTAGES OTHER THAN 120V, TRANSFORMERS MUST BE USED.
3. ONE WIRE OF TRANSMISSION CIRCUIT MAY BE REPLACED BY A GOOD GROUND.
4. ADDITIONAL DIAGRAMS WILL BE FURNISHED AS REQUIRED COVERING ALARMS, CONTROLS, INTEGRATORS, ETC.

TRANSMISSION LINE

45 MA. DC

MAX. LOOP RESISTANCE 2000 OHMS

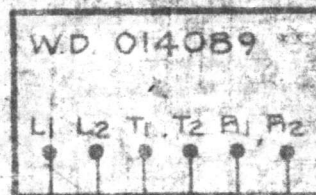
RECEIVER



120V
A.C.

POWER SUPPLY

MODEL 9J1 OR 9J2



120V
A.C.

WIRING DIAGRAM

BRISTOL'S METAMETER, TELEMETERING SYSTEM TYPE C1A1

THE BRISTOL CO.
WATERBURY CONN. U.S.A.
DATE 5-2-55 DRAWN W.H.G.
DRAWER NO. 21
SHEET NO. 011400A

64-3048

PUBLIC WORKS DEPARTMENT
CAMP LEJEUNE, NORTH CAROLINA

APPROVED

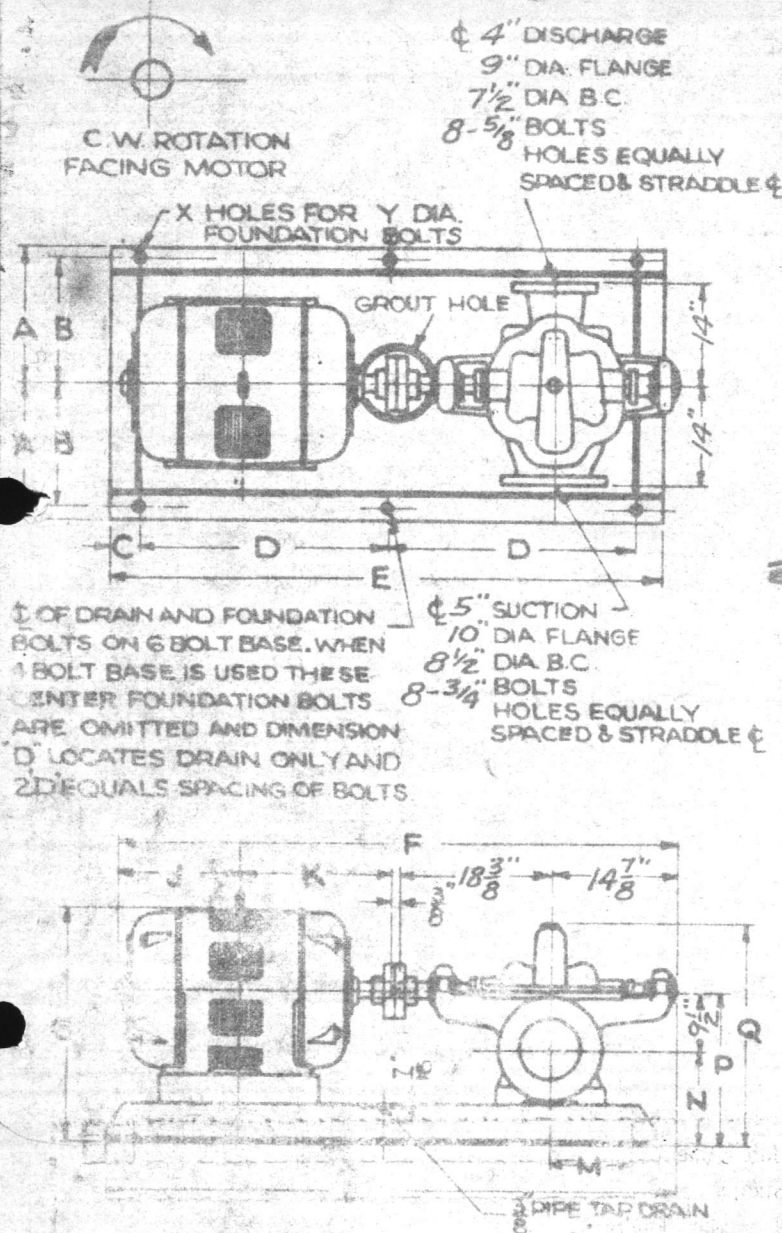
SUBJECT TO CONTRACT REQUIREMENTS

CONTRACT NO. 93544 SPEC. NO. 49928

TITLE WATER TREATMENT FACILITIES ON SLOE BEACH

DATE: 6 JULY 54 A. M. M. M.

BY DIRECTION OF OFFICER
IN CHARGE OF CONSTRUCTION



FRAME	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	X	Y	BASE NO
326	15 1/4	13 3/4	1 1/2	30	63	60 13/16	28 3/8	5/16	11 1/16	16 1/8	63 1/2	12 7/8	11 1/8	20 5/8	31 5/8	6	3/4	15
365	15 1/4	13 3/4	1 1/2	30	63	63 1/16	29 3/8	5/16	11 13/16	17 5/8	64 3/8	12	11 1/8	20 5/8	31 5/8	6	3/4	15
404	15 1/4	13 3/4	1 1/2	30	63	65 5/16	30	5/16	12 9/16	19 1/8	65 1/8	11 1/4	11 1/8	20 5/8	31 5/8	6	3/4	15
405	15 1/4	13 3/4	1 1/2	30	63	66 13/16	30	5/16	13 5/16	19 7/8	65 7/8	10 1/2	11 1/8	20 5/8	31 5/8	6	3/4	15
444	16 3/4	15 1/4	1 1/2	33 1/2	70	69 7/8	31 1/4	5/16	14 3/8	21 7/8	70 7/8	12 1/2	11 1/8	20 5/8	31 5/8	6	3/4	16
445S	16 3/4	15 1/4	1 1/2	33 1/2	70	69	31 1/4	5/16	15 3/8	20	70 1/4	13 1/8	11 1/8	20 5/8	31 5/8	6	3/4	16
504S	16 3/4	15 1/4	1 1/2	33 1/2	70	70 1/4	32 7/8	5/16	15 1/8	20 3/4	71 1/4	12 1/8	11 1/8	20 5/8	31 5/8	6	3/4	16
505S	16 3/4	15 1/4	1 1/2	33 1/2	70	72 1/4	32 7/8	5/16	16 7/8	21 3/4	71 3/4	11 5/8	11 1/8	20 5/8	31 5/8	6	3/4	16
1084S	18 3/4	17 1/4	2	38	80	75 7/8	34 1/8	5/16	18	24 1/4	77 7/8	15	11 1/8	20 5/8	31 5/8	6	1	17
L.A. 505S	17 1/4	15 1/4	2	33 1/2	71	76 3/8	33 3/4	3/8	21	21 3/4	71 1/4	11 5/8	11 1/8	20 5/8	31 5/8	6	3/4	16
LA1307	17 1/4	15 1/4	2	33 1/2	71	78 3/16	32 1/2	3/8	21 3/16	23 3/8	71 7/8	12 1/2	11 1/8	20 5/8	31 5/8	6	3/4	16
4445	15 3/4	13 3/4	2	30	64	67 1/8	31 5/8	3/8	14 1/2	19	66 3/8	10 1/2	11 1/8	20 5/8	31 5/8	6	3/4	15
RS405S	15 3/4	13 3/4	2	30	64	64 3/16	30 3/8	3/8	13 5/16	17 1/4	64 7/8	12	11 1/8	20 5/8	31 5/8	6	3/4	15A
RS445	17 1/4	15 1/4	2	33 1/2	71	72	31 5/8	3/8	15 1/2	22 7/8	73 1/8	11 3/4	11 1/8	20 5/8	31 5/8	6	3/4	16A
LA1306	17 1/4	15 1/4	2	33 1/2	71	76 3/16	32 1/2	3/8	20 9/16	22	78 3/8	12 1/2	11 1/8	20 5/8	31 5/8	6	3/4	16A
G.E. MT52G	17 1/4	15 1/4	2	33 1/2	71	78 3/8	31 3/8	3/8	22 3/8	23 3/8	71 3/8	12 1/2	11 1/8	20 5/8	31 5/8	6	3/4	16A
585S	19 1/4	17 1/4	2 1/2	38	81	77 7/8	34 7/8	3/8	19	25 1/2	79 3/8	14	11 1/8	20 5/8	31 5/8	6	1	17A
RX405	15 3/4	13 3/4	2	30	64	70 1/16	30 1/4	3/8	16 15/16	19 7/8	66 3/8	10 1/2	11 1/8	20 5/8	31 5/8	6	3/4	15A
G.E. 444	17 1/4	15 1/4	2	33 1/2	71	69 15/16	31 1/2	3/8	14 1/10	21 7/8	71 7/8	12 1/2	11 1/8	20 5/8	31 5/8	6	3/4	16
WAGNER 404	15 3/4	13 3/4	2	30	64	65 1/4	30	3/8	12 1/2	19 3/8	65 5/8	11 1/4	11 1/8	20 5/8	31 5/8	6	3/4	15A
G.E. 445	17 1/4	15 1/4	2	33 1/2	71	71 15/16	31 1/4	3/8	15 7/16	22 7/8	72 3/8	11 3/4	11 1/8	20 5/8	31 5/8	6	3/4	16
WEST. 753	21	19	2 1/2	37 1/2	80	88 5/16	35 1/16	3/8	21 1/2	27 1/2	79 3/8	13	11 3/8	20 7/8	31 3/8	6	1	17C
G.E. 11A	17 1/4	15 1/4	2	33 1/2	71	68 7/8	32 3/4	3/8	14 9/16	20 11/16	70 8/8	13	11 1/8	20 5/8	31 5/8	6	3/4	16
WEST. 755-S	21	19	2 1/2	37 1/2	80	79 1/16	36 1/8	3/8	21 1/2	24 13/16	78	14 3/8	11 3/8	20 7/8	31 7/8	6	1	17C
G.E. CDM 93	15 3/4	13 3/4	2	30	64	70 7/16	32 1/4	3/8	16 15/16	19 7/8	65 15/16	10 1/16	10 7/16	20 3/8	31 3/8	6	3/4	15
WEST. 140-L	21	19	2	33	70	78 1/4	37 3/16	3/8	25 1/16	19 9/16	70 3/8	12 3/4	12 3/8	21 7/8	32 7/8	6	3/4	16

THIS DRAWING CERTIFIED

FOR [REDACTED] ORDER NO. [REDACTED]

FAIRBANKS MORSE & CO.

PER [REDACTED] DATE [REDACTED]

MOTOR FRAME THIS ORDER [REDACTED]

ALL DIMENSIONS IN INCHES

FAIRBANKS, MORSE & CO. - MFG. DIV

DRAWN BY E.D.B. DATE 1-23-41

CHECKED BY P.T.B. DATE 2-24-41

SETTING PLAN

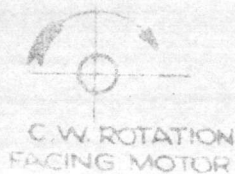
4" FIG. 5814 MOTOR DRIVEN CENT. PUMP C.W. ROTATION

44D4D70

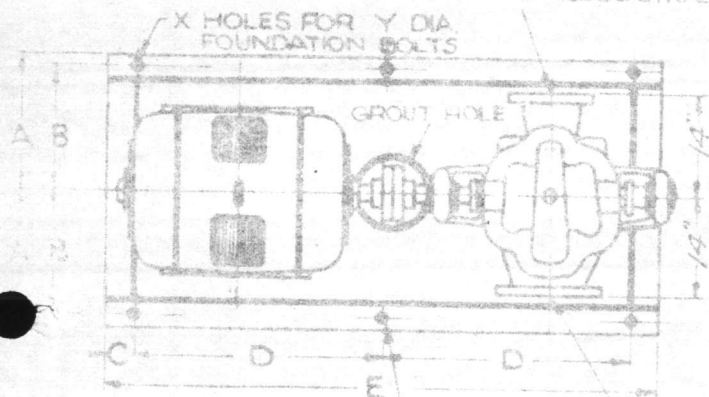
PUMP SHOULD BE SET AT SUCH AN ELEVATION THAT THE TOTAL SUCTION LIFT INCLUDING PIPE FRICTION WHEN PUMP IS DELIVERING ITS FULL CAPACITY, NOT EXCEED 15 FEET.
 PUMP UNIT TO BE SET ON CONCRETE FOUNDATION SHOULD BE SET IN BOXES OR TUBES ABOUT THE SIZE OF BOLTS.

THIS DRAWING CERTIFIED
 For Order No. 14622
 FAIRBANKS, MORSE & CO.
 Per Date 5-12-22

Job Name	<u>Onslow Beach Marine Base</u>		
Station	<u>Camp Lejeune, N.C.</u>		
Consulting Eng'rs	<u>Service Water Pump #2</u>		
Contractor	<u>Chicora Coast, P. O. 210</u>		
PUMP DATA			
Size	<u>4"</u>	Figure	<u>5814</u>
Capacity	<u>7.50</u>	G.P.M. Head	<u>215'</u> T.D.H.
MOTOR DATA			
Type	<u>GZK</u>	H.P.	<u>60</u> Speed <u>1750</u> R.P.M.
	<u>3</u> Phase	<u>60</u> Cycles	<u>208</u> Volts.

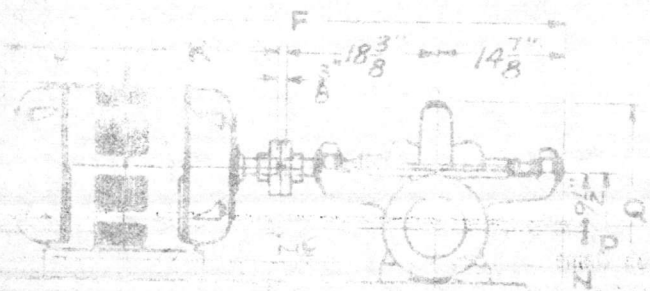


4" DISCHARGE
9" DIA FLANGE
7 1/2" DIA B.C.
8-5/8" BOLTS
HOLES EQUALLY SPACED & STRADDLE



LOCATES DRAIN AND FOUNDATION BOLTS ON 6 BOLT BASE. WHEN 4 BOLT BASE IS USED THESE ENTER FOUNDATION BOLTS ARE OMITTED AND DIMENSION D LOCATES DRAIN ONLY AND 2 DIFFERENTIAL SPACINGS OF BOLTS

4 1/2" SUCTION
10" DIA FLANGE
8 1/2" DIA B.C.
8-3/4" BOLTS
HOLES EQUALLY SPACED & STRADDLE



FRAME	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	X	Y	BASE NO
326	15 1/4	13 3/4	1 1/2	30	63	60 13/16	28 3/8	5/16	11 1/16	16 1/8	63 1/2	12 7/8	11 1/8	20 5/8	31 5/8	6	3/4	15
385	15 1/4	13 3/4	1 1/2	30	63	63 1/16	29 3/8	5/16	11 13/16	17 5/8	64 3/8	12	11 1/8	20 5/8	31 5/8	6	3/4	15
404	15 1/4	13 3/4	1 1/2	30	63	65 5/16	30	5/16	12 1/16	19 1/8	65 1/8	11 1/4	11 1/8	20 5/8	31 5/8	6	3/4	15
405	15 1/4	13 3/4	1 1/2	30	63	66 13/16	30	5/16	13 5/16	19 1/8	65 1/8	10 1/2	11 1/8	20 5/8	31 5/8	6	3/4	15
444	16 3/4	15 1/4	1 1/2	33 1/2	70	69 1/8	31 1/4	5/16	14 3/8	21 1/8	70 1/8	12 1/2	11 1/8	20 5/8	31 5/8	6	3/4	16
445S	16 3/4	15 1/4	1 1/2	33 1/2	70	69	31 1/4	5/16	15 3/8	20	70 1/4	13 1/8	11 1/8	20 5/8	31 5/8	6	3/4	16
504S	16 3/4	15 1/4	1 1/2	33 1/2	70	70 1/4	32 1/8	5/16	15 7/8	20 3/4	71 1/4	12 1/8	11 1/8	20 5/8	31 5/8	6	3/4	16
505S	16 3/4	15 1/4	1 1/2	33 1/2	70	72 1/4	32 1/8	5/16	16 7/8	21 3/4	71 3/4	11 5/8	11 1/8	20 5/8	31 5/8	6	3/4	16
1084S	18 3/4	17 1/4	2	38	80	75 7/8	34 7/8	5/16	18	24 1/4	77 1/8	15	11 1/8	20 5/8	31 5/8	6	1	17
L.R. 505S	17 1/4	15 1/4	2	33 1/2	71	76 3/16	33 3/4	3/8	21	21 3/4	71 3/4	11 5/8	11 1/8	20 5/8	31 5/8	6	3/4	16
LA1307	17 1/4	15 1/4	2	33 1/2	71	78 3/16	32 1/2	3/8	21 3/16	23 3/8	71 1/8	12 1/2	11 1/8	20 5/8	31 5/8	6	3/4	16
444	15 1/4	13 3/4	2	30	64	67 1/8	31 5/8	3/8	14 1/2	15	66 3/8	10 1/2	11 1/8	20 5/8	31 5/8	6	3/4	15
RS4053	15 3/4	13 3/4	2	30	64	64 3/16	30 3/8	3/8	13 5/16	17 1/4	64 7/8	12	11 1/8	20 5/8	31 5/8	6	3/4	15A
25445	17 1/2	16 1/4	2	33 1/2	71	72	31 5/8	3/8	15 1/2	22 7/8	72 1/8	11 3/8	11 1/8	20 5/8	31 5/8	6	3/4	16A
LA1306	17 1/4	15 1/4	2	33 1/2	71	76 3/16	32 1/2	3/8	20 9/16	22	70 3/8	12 1/2	11 1/8	20 5/8	31 5/8	6	3/4	16A
MT529	17 1/4	15 1/4	2	33 1/2	71	78 3/8	31 3/8	3/8	22 3/8	23 3/8	71 3/8	12 1/2	11 1/8	20 5/8	31 5/8	6	3/4	16A
585	19 1/4	17 1/4	2 1/2	38	81	77 7/8	34 7/8	3/8	19	25 1/2	79 3/8	14	11 1/8	20 5/8	31 5/8	6	1	17A
444S	15 3/4	13 3/4	2	30	64	70 1/16	30 1/4	3/8	16 15/16	19 1/8	66 7/8	10 1/2	11 1/8	20 5/8	31 5/8	6	3/4	15A
444	15 1/4	13 3/4	2	33 1/2	71	69 1/16	31 1/2	3/8	14 1/16	21 1/8	71 1/8	12 1/2	11 1/8	20 5/8	31 5/8	6	3/4	16A
HIGHER 404	15 3/4	13 3/4	2	30	64	65 1/2	30	3/8	12 1/2	9 3/8	65 5/8	11 1/4	11 1/8	20 5/8	31 5/8	6	3/4	15A
444	17 1/4	15 1/4	2	33 1/2	71	71 1/16	31 1/4	3/8	15 7/16	22 3/8	72 3/8	11 3/8	11 1/8	20 5/8	31 5/8	6	3/4	16A
WEST 753	21	19	2 1/2	37 1/2	80	88 5/16	35 1/16	3/8	27 1/2	27 1/2	79 3/8	13	11 3/8	20 7/8	31 7/8	6	1	17S
444	17 1/4	15 1/4	2	33 1/2	71	68 7/8	32 3/4	3/8	14 9/16	20 11/16	70 8	13	11 1/8	20 5/8	31 5/8	6	3/4	16
WEST 755-S	21	19	2 1/2	37 1/2	80	79 1/16	36 1/8	3/8	21 1/2	24 13/16	78	14 3/8	11 3/8	20 7/8	31 7/8	6	1	17E
G.E. CDM 93	15 3/4	13 3/4	2	30	64	70 7/16	32 1/4	3/8	16 5/16	19 7/8	65 15/16	10 15/16	10 7/8	20 3/8	31 3/8	6	3/4	15
WEST 140-L	21	19	2	33	70	78 1/4	37 3/16	3/8	25 1/16	19 9/16	70 1/8	12 3/4	12 3/8	21 1/8	32 7/8	6	3/4	16F

THIS DRAWING CERTIFIED

FOR [REDACTED] ORDER NO. [REDACTED]

FAIRBANKS MORSE & CO.

DES [REDACTED] DATE [REDACTED]

MOTOR FRAME THIS ORDER [REDACTED]

ALL DIMENSIONS IN INCHES

OTHER COMBINATIONS ON 341 4053

FAIRBANKS, MORSE & CO. - MFG. DIV.

DRAWN BY E.D.B. DATE 1-23-41

CHECKED BY P.T.B. DATE 2-24-41

SETTING PLAN

4" FIG. 5814 MOTOR DRIVEN CENT. PUMP C.W. ROTATION

44D4D70

SHOULD BE SET AT EACH AN ELEVATION THE TOTAL SUCTION LIFT INCLUDING PIPE FRICTION AND OTHER DELIVERED IN ITS FULL CAPACITY NOT EXCEED 25 FEET

BE SET ON CONCRETE FOUNDATION SHOWING SET IN BOXES OR TUBES ABOUT THE 5/8" BOLTS

THIS DRAWING CERTIFIED
 For Order No. 14692
 FAIRBANKS, MORSE & CO.
 Per Date 5/2/52

Job Name	<u>Duslow Beach Marine Base</u>		
Station	<u>Camp Lejeune, N.C.</u>		
Consulting Eng.	<u>Overseas Water Pump #2</u>		
Contractor	<u>Chicora Court, P. O. 210</u>		
PUMP DATA			
Size	<u>2 1/4"</u>	Figure	<u>5814</u>
Capacity	<u>750</u>	G.P.M. Head	<u>215'</u> T.D.H.
MOTOR DATA			
Type	<u>QZK</u>	H.P.	<u>60</u> Speed <u>1750</u> R.P.M.
	<u>2</u> Phase	<u>60</u> Cycles	<u>208</u> Volts

AUTOMATIC CONTROL COMPANY

OF MINNESOTA

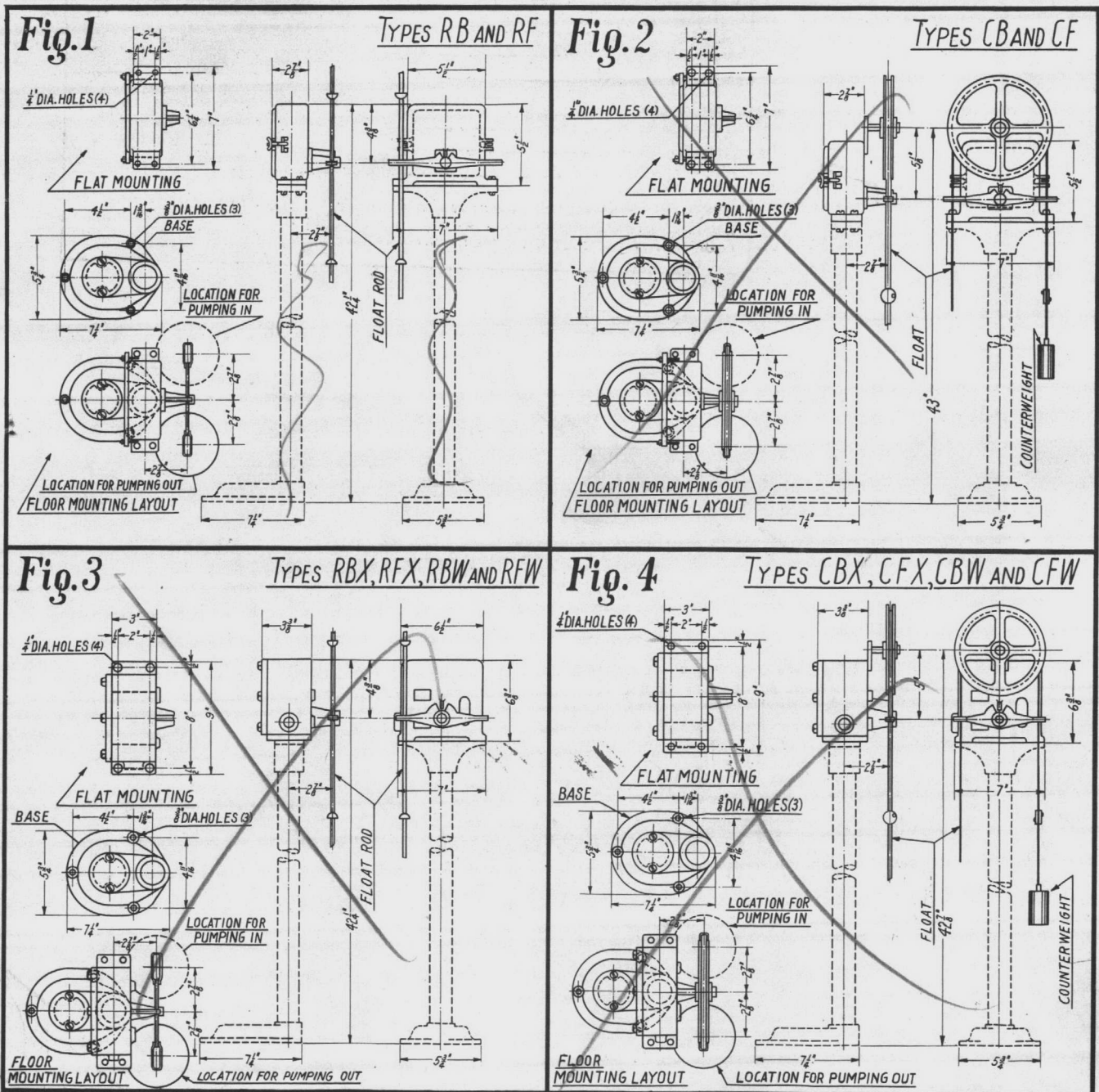
1005 UNIVERSITY AVENUE

SAINT PAUL 4, MINNESOTA

Dir. F-1

INSTALLATION DIRECTIONS TYPES C AND R FLOAT SWITCHES

1. Make all electrical connections in accordance with local electrical codes.
2. Be sure to level float switch. Mercury switch controls will not operate properly unless absolutely level.
3. Install floor bushing per diagram.
4. Type R rod operated float switches require float guidance in the sump if turbulence is present.
5. Always use float pipe or other means of float guidance with Type C float switch (tape operated).
6. Do not use $4\frac{1}{2}$ " diameter ceramic float with rod operated switch if over 8 feet of rod is used. Order the $6\frac{1}{2}$ " diameter ceramic float.



CERTIFICATION

ORDER NUMBER B-9841

DATE 5/15/56

COMPANY Fairbanks-Morse

I hereby certify that this drawing truly represents in whole or in part the equipment specified on the above order.

AUTOMATIC CONTROL COMPANY

By N. Lyford

APPROVAL DRAWING

CUSTOMERS NAME Fairbanks-Morse

CUSTOMERS ORDER NO. B-9841

AGENTS NAME Clearhark Co.

AGENTS ORDER NO. 9003-71

JOB NAME Camp Lejeune

APPROVED BY _____

REPRESENTING _____

DATE APPROVED _____

AUTOMATIC CONTROL CO. RESERVES THE RIGHT TO MAKE NOTATIONS, MINOR ADJUSTMENTS AND SUCH MODIFICATIONS PER LIST AS ARE NECESSARY TO MAKE EQUIPMENT MEET CUSTOMER SPECIFICATIONS.

PUBLIC WORKS DEPARTMENT
CAMP LEJEUNE, NORTH CAROLINA

APPROVED

SUBJECT TO CONTRACT REQUIREMENTS

CONTRACT NO. 49978 SPEC. NO. 43, 104

TITLE Water Heat Unit - Duclon Beach

DATE: 28 May 1956 N. Marsch

BY DIRECTION OF OFFICER
IN CHARGE OF CONSTRUCTION

AUTOMATIC CONTROL COMPANY

OF MINNESOTA

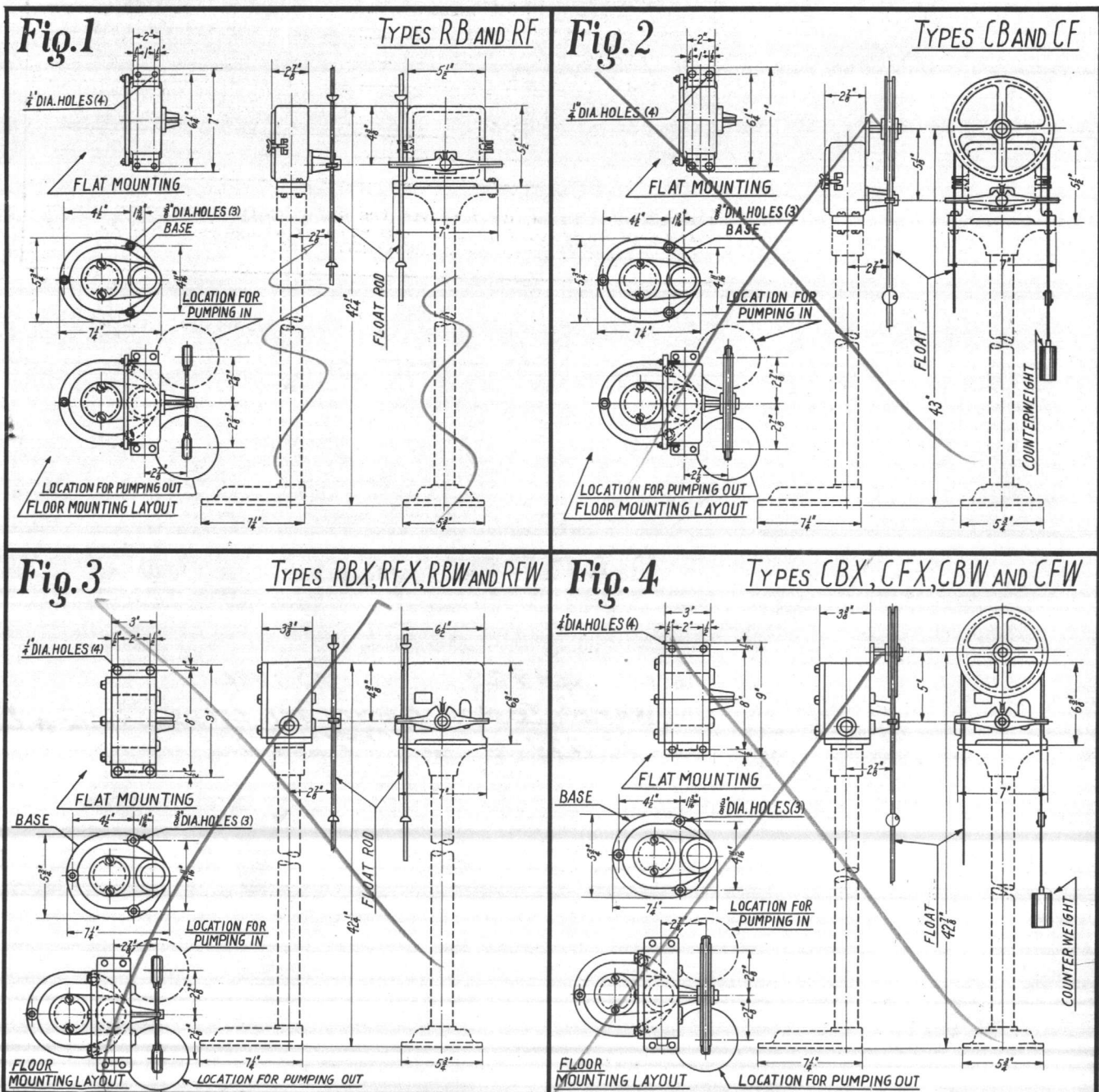
1005 UNIVERSITY AVENUE

SAINT PAUL 4, MINNESOTA

Dir. F-1

INSTALLATION DIRECTIONS TYPES C AND R FLOAT SWITCHES

1. Make all electrical connections in accordance with local electrical codes.
2. Be sure to level float switch. Mercury switch controls will not operate properly unless absolutely level.
3. Install floor bushing per diagram.
4. Type R rod operated float switches require float guidance in the sump if turbulence is present.
5. Always use float pipe or other means of float guidance with Type C float switch (tape operated).
6. Do not use 4 1/2" diameter ceramic float with rod operated switch if over 8 feet of rod is used. Order the 6 1/2" diameter ceramic float.



CERTIFICATION

ORDER NUMBER B-9841

DATE 5/15/56

COMPANY Fairbanks-Morse

I hereby certify that this drawing truly represents in whole or in part the equipment specified on the above order.

AUTOMATIC CONTROL COMPANY

By N. Lyford

APPROVAL DRAWING

CUSTOMERS NAME Fairbanks-Morse

CUSTOMERS ORDER NO. B-9841

AGENTS NAME Gearhart Co.

AGENTS ORDER NO. 9003-72

JOB NAME Camp Lejeune

APPROVED BY _____

REPRESENTING _____

DATE APPROVED _____

AUTOMATIC CONTROL CO. RESERVES THE RIGHT TO MAKE NOTATIONS, MINOR ADJUSTMENTS AND SUCH MODIFICATIONS PER TEST AS ARE NECESSARY TO MAKE EQUIPMENT MEET CUSTOMER SPECIFICATIONS.

PUBLIC WORKS DEPARTMENT
CAMP LEJEUNE, NORTH CAROLINA

APPROVED

SUBJECT TO CONTRACT REQUIREMENTS

CONTRACT No 49928 SPEC. NO. 95544

TITLE WATER TREATMENT FACILITIES, ONSLOW BEACH

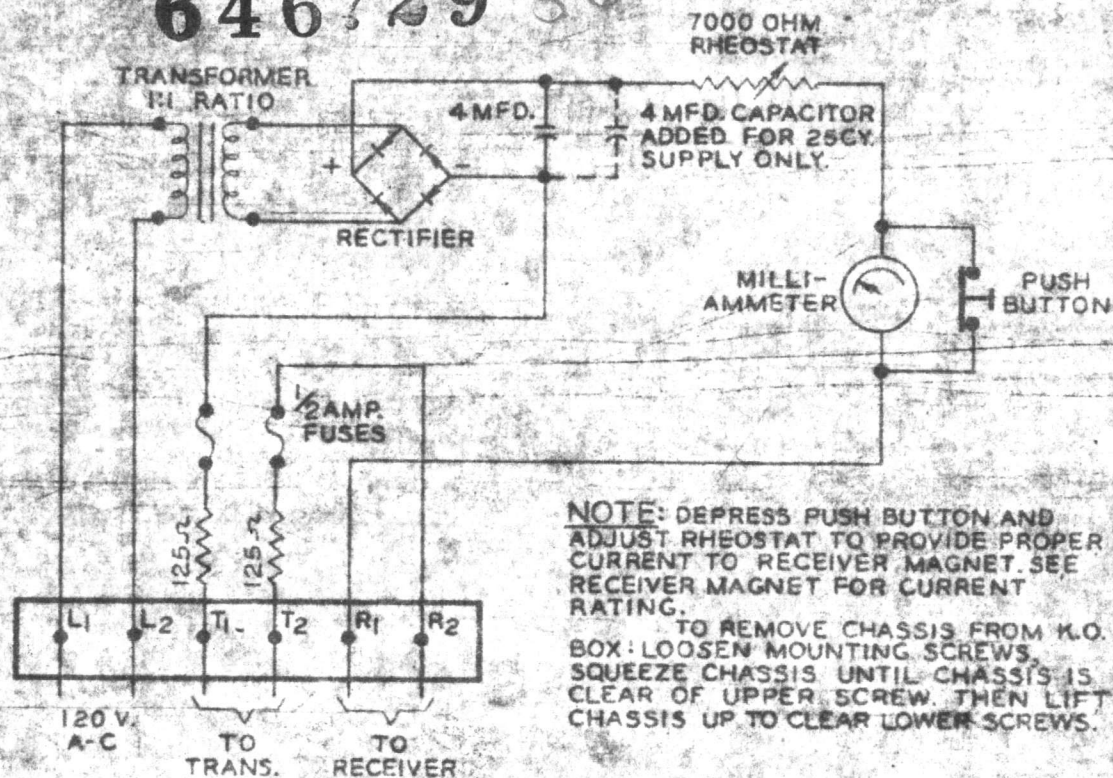
DATE: 28 MAY 56 J. M. Harris

BY DIRECTION OF OFFICER
IN CHARGE OF CONSTRUCTION

MODEL 9J1 - PART NO. 96200
FOR 120V. 50 & 60 CY. SUPPLY

MODEL 9J2 - PART NO. 96201
FOR 120V. 25 CY. SUPPLY

646729-56



NOTE: DEPRESS PUSH BUTTON AND ADJUST RHEOSTAT TO PROVIDE PROPER CURRENT TO RECEIVER MAGNET. SEE RECEIVER MAGNET FOR CURRENT RATING.

TO REMOVE CHASSIS FROM K.O. BOX: LOOSEN MOUNTING SCREWS, SQUEEZE CHASSIS UNTIL CHASSIS IS CLEAR OF UPPER SCREW. THEN LIFT CHASSIS UP TO CLEAR LOWER SCREWS.

WIRING DIAGRAM
MODEL 9J1 & 9J2 D-C POWER SUPPLY
FOR TYPE B & C METAMETER SYSTEMS.

THE BRISTOL CO.
WATERBURY, CONN. U.S.A.
DATE 2-22-54 DRAWN M.K.C.
DRAWER NO. 21
SHEET NO. 014089

CUT ON THESE LINES AND PASTE IN K.O. BOX COVER.

2-4-55
REV. 8-2-54

THE BRISTOL CO.
WATERBURY, CONN. U.S.A.
DATE 2-22-54 DRAWN M.K.C.
DRAWER NO. 21
SHEET NO. 014089

B. CO. ORDER NO.

CUSTOMER ORDER NO.

214

SERIAL NO.

65701848

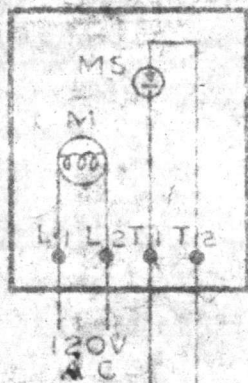
PUBLIC WORKS DEPARTMENT
CAMP LEJEUNE, NORTH CAROLINA

APPROVED

SUBJECT TO CONTRACT REQUIREMENTS

CONTRACT NO. 93544 SPEC. NO. 49928
TITLE WATER TREATMENT FACILITIES, ONSLOW BEACH
DATE: 6 JULY 56, A. J. Mallis
BY DIRECTION OF OFFICER
IN CHARGE OF CONSTRUCTION

TRANSMITTER



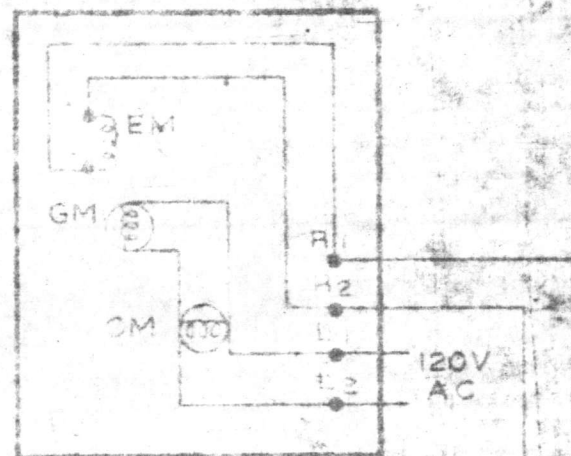
646729-53

NOTES:-

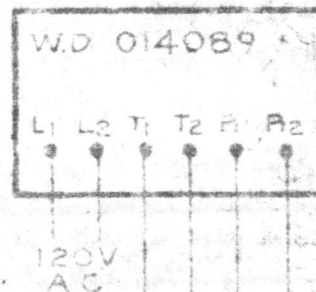
- CM - CHART DRIVE
- EM - ELECTRO MAGNET (10V 45MA DC)
- GM - GEAR TRAIN MOTOR
- M - CAM MOTOR
- MS - MERCURY SWITCH

1. SEE NAME PLATE OF INSTRUMENTS FOR PROPER VOLTAGE & FREQUENCY.
2. FOR VOLTAGES OTHER THAN 120V, TRANSFORMERS MUST BE USED.
3. ONE WIRE OF TRANSMISSION CIRCUIT MAY BE REPLACED BY A GOOD GROUND.
4. ADDITIONAL DIAGRAMS WILL BE FURNISHED AS REQUIRED COVERING ALARMS, CONTROLS, INTEGRATORS, ETC.

RECEIVER



POWER SUPPLY
MODEL 9J1 OR 9J2



TRANSMISSION LINE

45 MA. DC

MAX. LOOP RESISTANCE 2000 OHMS

WIRING DIAGRAM

BRISTOL'S METAMETER TELEMETERING SYSTEM TYPE CINA1

THE BRISTOL CO
WATERBURY CONN. U.S.A.
DATE 5-2-55 DRAWN MHC
DRAWER NO. 21
SHEET NO. 011400A

B CO ORDER NO

CUSTOMER ORDER NO

214

SERIAL NO

34257048

PUBLIC WORKS DEPARTMENT
CAMP LEJEUNE, NORTH CAROLINA

APPROVED

SUBJECT TO CONTRACT REQUIREMENTS

CONTRACT NO. 93544 SPEC. NO. 49928

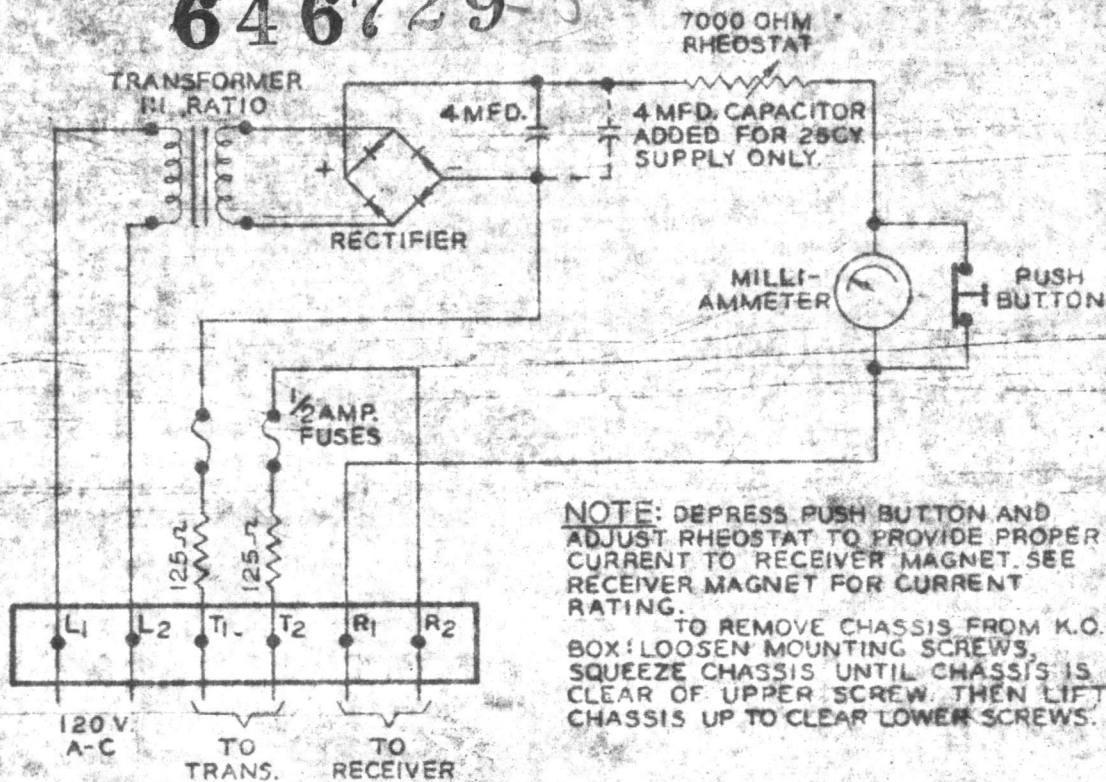
TITLE WATER TREATMENT FACILITIES, ONSLOW BEACH

DATE: 6 JULY 56 *[Signature]*

BY DIRECTION OF OFFICER
IN CHARGE OF CONSTRUCTION

MODEL 9J1 PART NO. 96200
FOR 120V. 50 & 60 CY. SUPPLY
MODEL 9J2 PART NO. 96201
FOR 120V. 25 CY. SUPPLY

646729-54



NOTE: DEPRESS PUSH BUTTON AND ADJUST RHEOSTAT TO PROVIDE PROPER CURRENT TO RECEIVER MAGNET. SEE RECEIVER MAGNET FOR CURRENT RATING.

TO REMOVE CHASSIS FROM K.O. BOX! LOOSEN MOUNTING SCREWS, SQUEEZE CHASSIS UNTIL CHASSIS IS CLEAR OF UPPER SCREW, THEN LIFT CHASSIS UP TO CLEAR LOWER SCREWS.

WIRING DIAGRAM
MODEL 9J1 & 9J2 D-C POWER SUPPLY
FOR TYPE B & C METAMETER SYSTEMS.

THE BRISTOL CO.
WATERBURY, CONN. U.S.A.
DATE 2-22-54 DRAWN M.K.C.
DRAWER NO. 21
SHEET NO. 014089

CUT ON THESE LINES AND PASTE IN K.O. BOX COVER.

2-4-55
REV. 8-2-54

THE BRISTOL CO.
WATERBURY, CONN. U.S.A.
DATE 2-22-54 DRAWN M.K.C.
DRAWER NO. 21
SHEET NO. 014089

PUBLIC WORKS DEPARTMENT
CAMP LEJEUNE, NORTH CAROLINA

APPROVED

SUBJECT TO CONTRACT REQUIREMENTS

CONTRACT NOY 93544 SPEC. NO 49928
TITLE WATER TREATMENT FACILITIES, ONSLOW BEACH
DATE: 6 JULY 56 *S. D. Morris*

BY DIRECTION OF OFFICER
IN CHARGE OF CONSTRUCTION

Onslow Beach Water

DIETZGEN CORPORATION
MADE IN U. S. A.

NO. 340-T6 DIETZGEN GRAPH PAPER
ONE MONTH BY DAYS

90,000

85,000

80,000

75,000

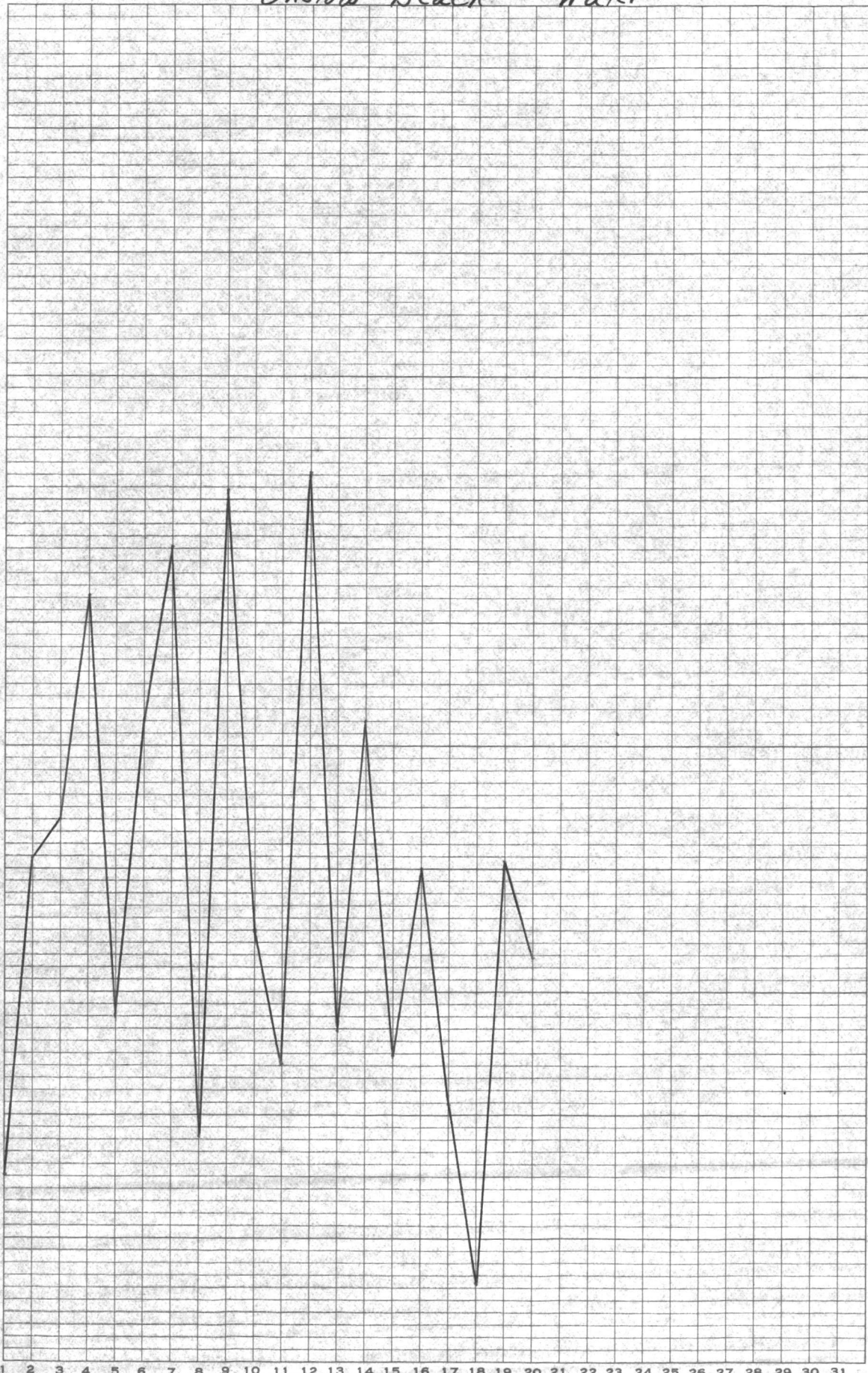
70,000

65,000

60,000

55,000

50,000



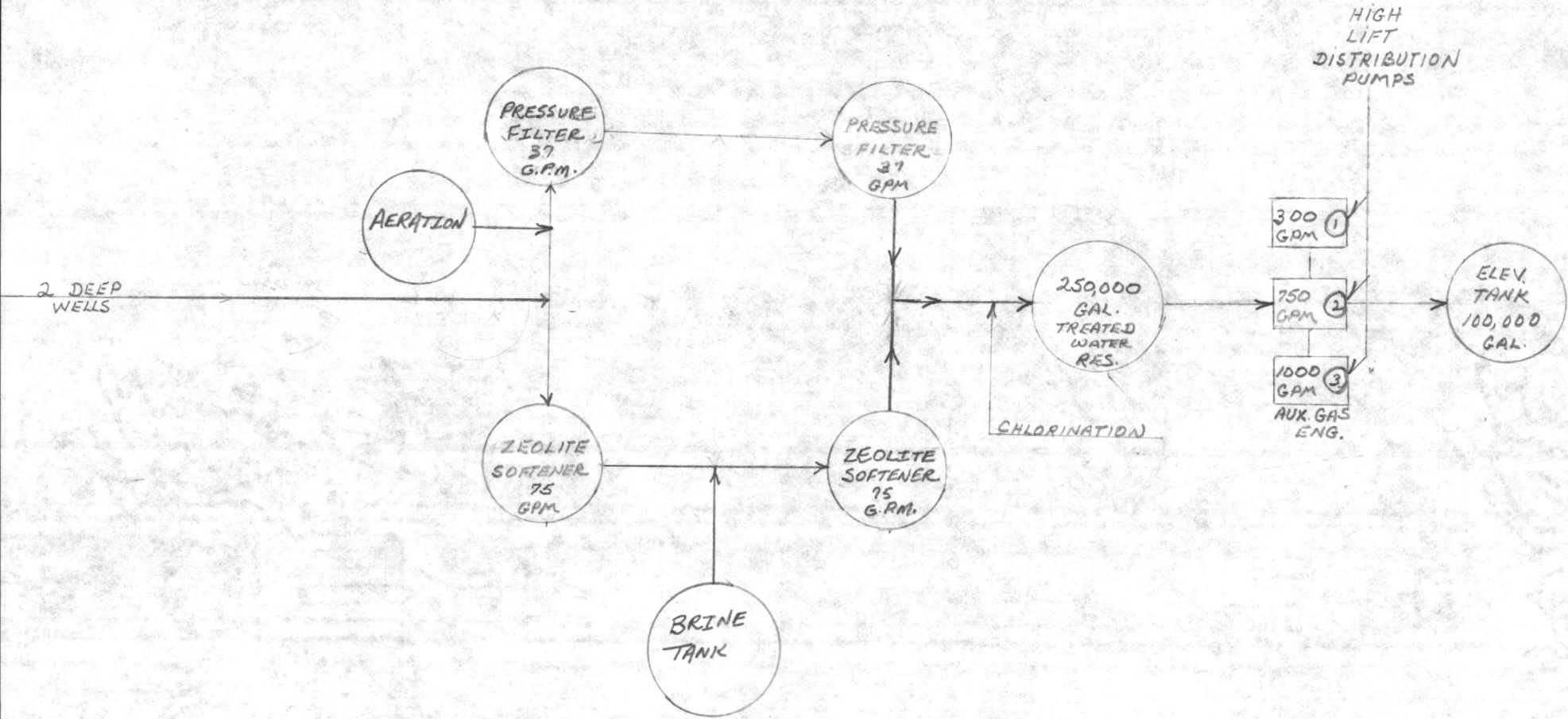
MONTH January 1929

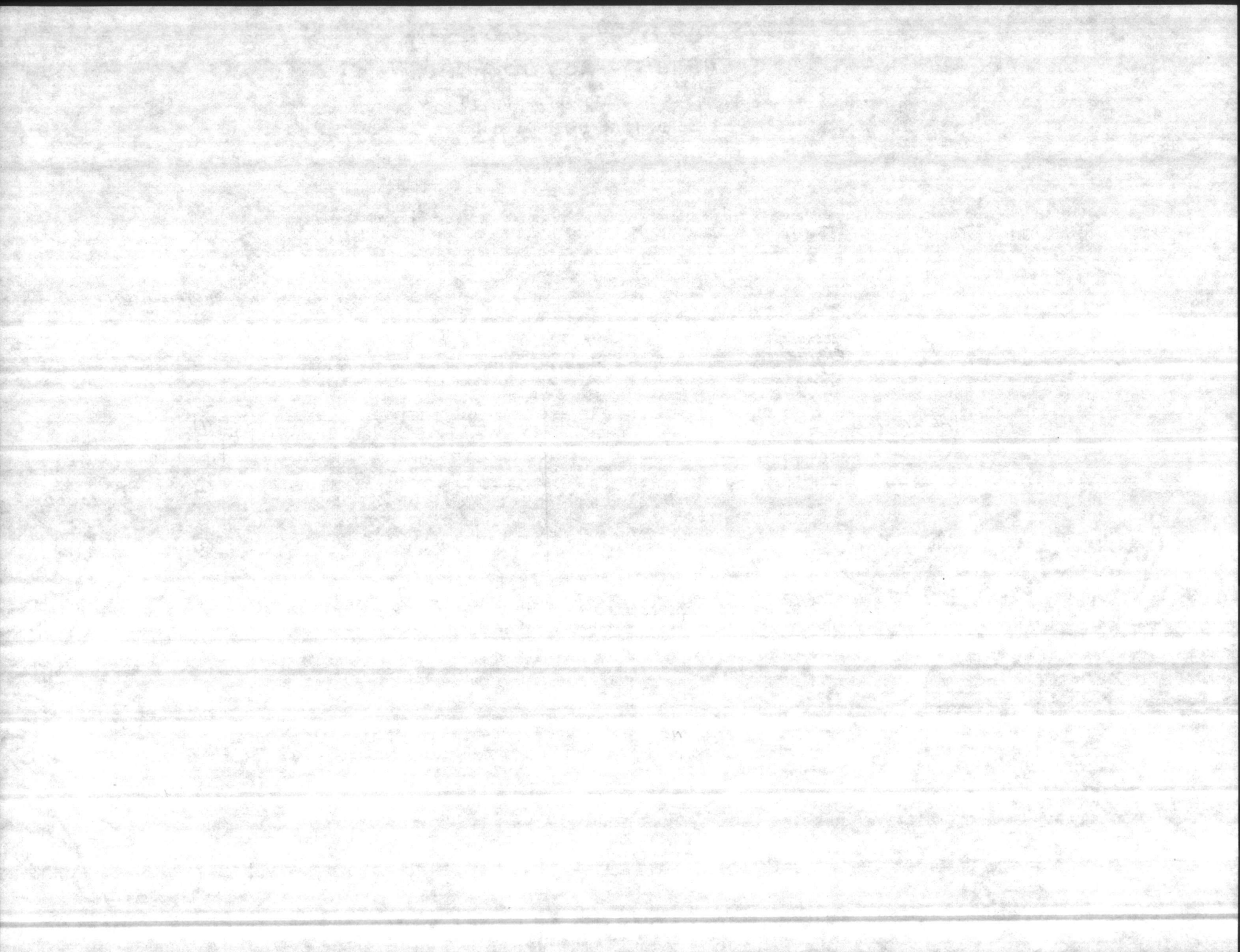
ON SLOW BEACH BLDG. BA-138

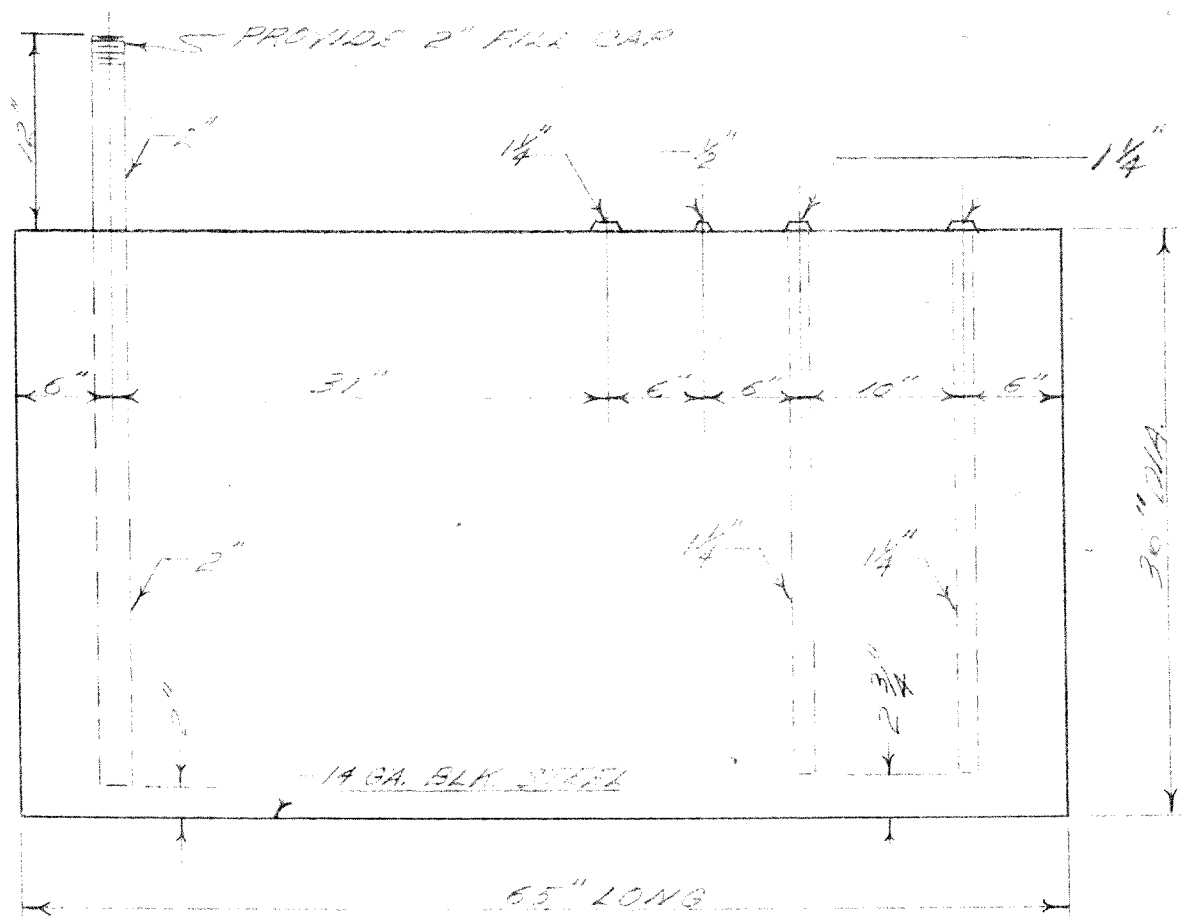
CAPACITY 250,000 GPD.

WITH 2 DEEP WELLS

ZEOLITE SOFTENING PLANT







275 GALLON UNDERGROUND FUEL OIL TANK
 WITH UNDERWATER LABEL
 TWO (2) FEET

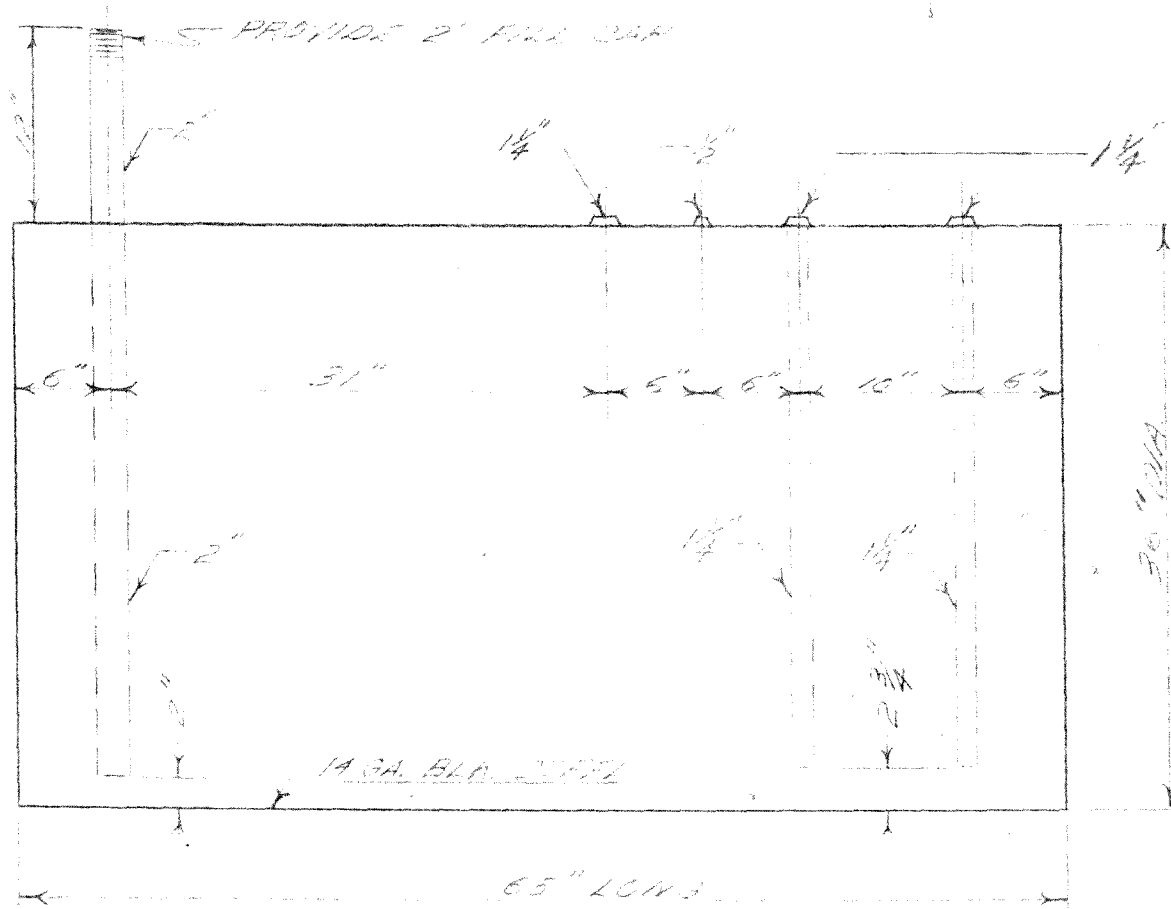
FAIRBANKS, MORSE & CO. - P.O. # **8-9843**

J.J. FINNIGAN CO., INC.	
ATLANTA, GA.	JOB # 1542
MAY 27 1956	SCALE - 1" = 1'-0"
DRAWN BY - O.M.L.	CHKD - J.P.D.

10/1/1910

0

0



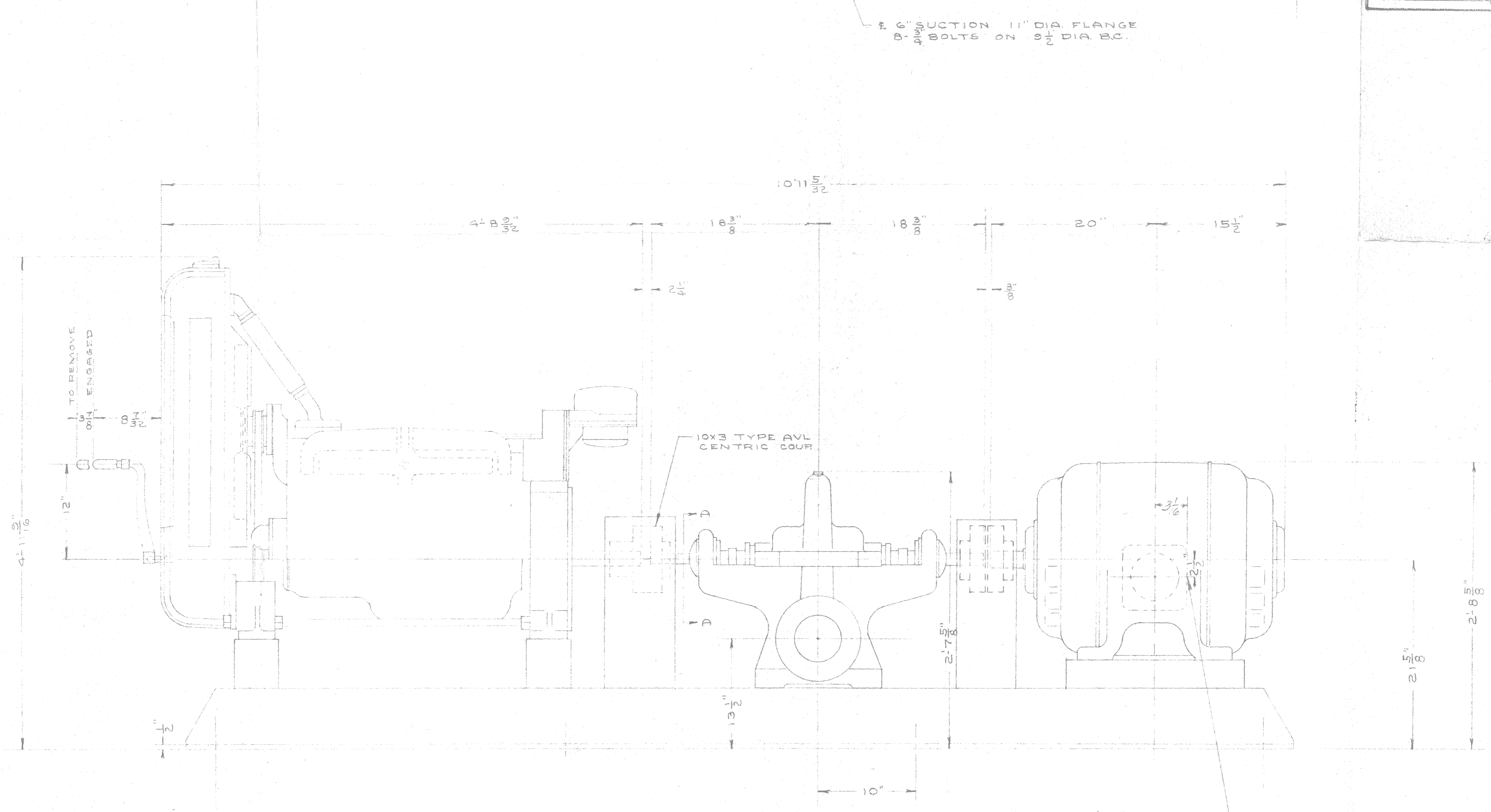
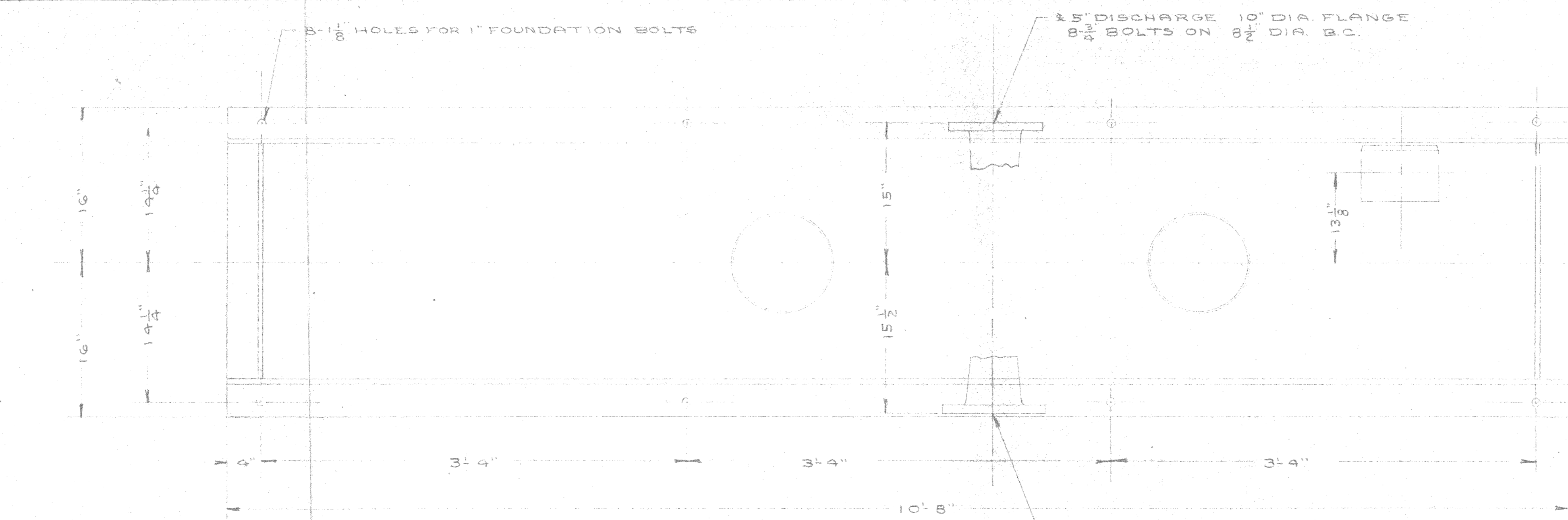
275 GALLON UNDERGROUND FUEL OIL TANK
 WITH UNDERWATER LABEL
 TYPED LABEL

FAIRBANKS, MOORE & CO. - P.O. # B-9843

J.J. FINE & ALCOHOL, INC.	
ATLANTA, GA.	JOB # <u>2342</u>
MAY 7, 1956	SCALE - 1" = 1'-0"
DRAWN BY J.M.K.	CHKD. <u>T.P.S.</u>

Handwritten text at the top left corner, possibly a page number or title.





C W ROT
VIEW AT A-A

50D5A57

DISTRICT PUBLIC WORKS OFFICE
NORFOLK, VA.

APPROVED For Dimensions Only

SUBJECT TO THE REQUIREMENTS OF
SPEC. 49928

CONTRACT NO. 49928

8. ALL MATERIALS AND EQUIPMENT
SHALL BE COMPLIANT WITH SPECIFICATION
REQUIREMENTS. THE CONTRACTOR SHALL
BE RESPONSIBLE FOR PROVIDING PROPER PHYSICAL
PROTECTION & MAINTENANCE OF THE
TUBES, ETC., AS REQUIRED.

DATE: 8-3-56 *SPM*
W. SHYFFER
District Public Works Officer

FRACTIONAL TOLERANCES 1/64
(Unless Otherwise Specified)

GENERAL NOTES

NOTE: PUMP SHOULD BE SET AT SUCH AN ELEVATION THAT THE TOTAL SUCTION LIFT, INCLUDING PIPE FRICTION WHEN PUMP IS DELIVERING AT ITS FULL CAPACITY WILL NOT EXCEED 15 FEET.

WHEN UNIT IS SET ON CONCRETE FOUNDATION BOLTS SHOULD BE SET IN BOXES OR TUBES ABOUT TWICE THE SIZE OF THE BOLT.

FLANGES ARE A SA 125 POUND STD. FLANGE HOLES EQUALLY SPACED & STRADDLE X

BASE: D22A158
ENG. CONT. M363
MOTOR: R5 4455
ORDER NO. ATLANTA 14621

646729-75

REV. NO.	LOC.	SERIAL NUMBER	DATE	WAS

RELEASE NUMBER: _____ DATE OF RELEASE: _____

FAIRBANKS, MORSE & CO.
KANSAS CITY WORKS
ENGINEERING DIVISION

DRAWN BY: <i>BW</i>	DATE: <i>6-28-56</i>
CHECKED BY: <i>AB</i>	DATE: <i>7-3-56</i>
APPROVED BY: _____	DATE: _____

SCALE: _____

NAME: SETTING PLAN

5-5813 C.W. CENT. PUMP

MATERIAL SPECIFICATION

DWG. NO. 50D5A57

THIS DRAWING CERTIFIED
For *14621* Order No. *14621*
FAIRBANKS, MORSE & CO.
Per *SPM* Date *7-9-56*

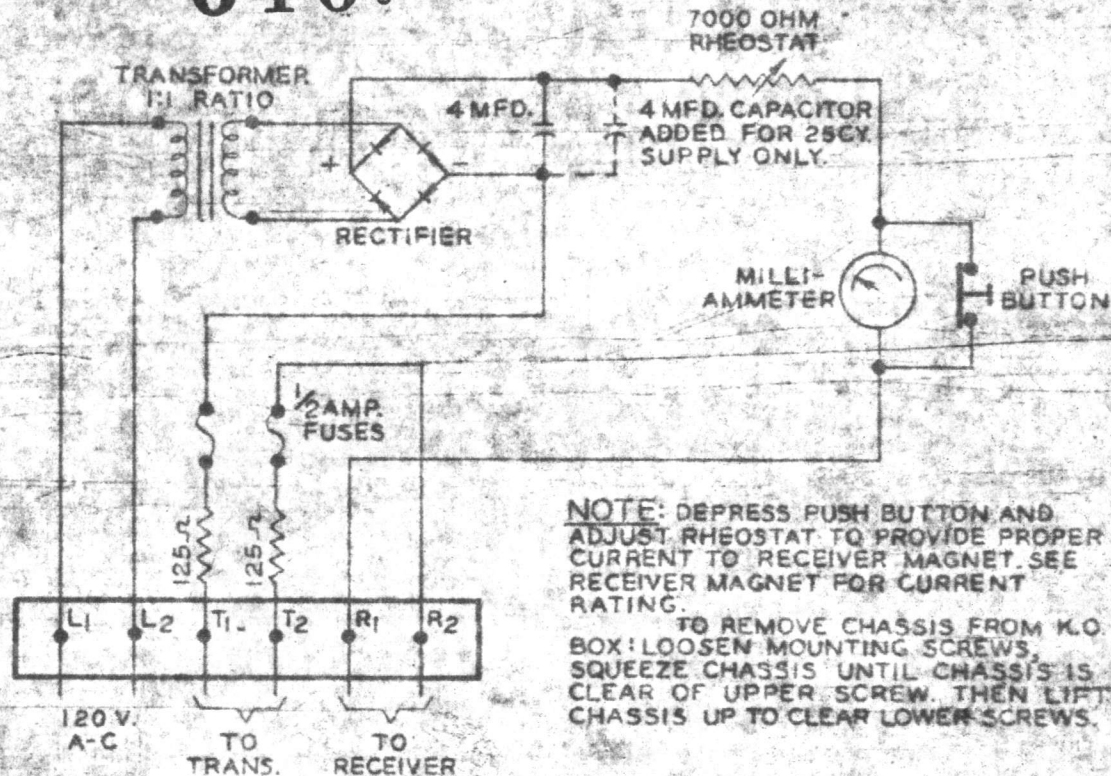
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646729-56

MODEL 9J1 - PART NO. 96200
FOR 120V. 50 & 60 CY. SUPPLY.
MODEL 9J2 - PART NO. 96201
FOR 120V. 25 CY. SUPPLY.



NOTE: DEPRESS PUSH BUTTON AND ADJUST RHEOSTAT TO PROVIDE PROPER CURRENT TO RECEIVER MAGNET. SEE RECEIVER MAGNET FOR CURRENT RATING.

TO REMOVE CHASSIS FROM K.O. BOX: LOOSEN MOUNTING SCREWS, SQUEEZE CHASSIS UNTIL CHASSIS IS CLEAR OF UPPER SCREW. THEN LIFT CHASSIS UP TO CLEAR LOWER SCREWS.

WIRING DIAGRAM
MODEL 9J1 & 9J2 D-C POWER SUPPLY
FOR TYPE B & C METAMETER SYSTEMS.

THE BRISTOL CO.
WATERBURY, CONN. U.S.A.
DATE 2-22-54 DRAWN M.K.C.
DRAWER NO. 21
SHEET NO. 014089

CUT ON THESE LINES AND PASTE IN K.O. BOX COVER.

2-4-55
REV. 6-2-54

THE BRISTOL CO.
WATERBURY, CONN. U.S.A.
DATE 2-22-54 DRAWN M.K.C.
DRAWER NO. 21
SHEET NO. 014089

B. CO. ORDER NO.

CUSTOMER ORDER NO.

217

SERIAL NO.

035048

PUBLIC WORKS DEPARTMENT
CAMP LEJEUNE, NORTH CAROLINA

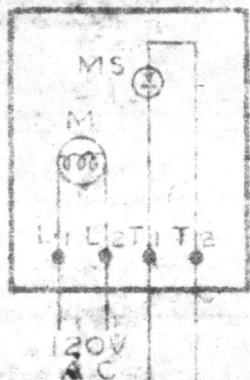
APPROVED

SUBJECT TO CONTRACT REQUIREMENTS

CONTRACT NO: 93544 SPEC. NO. 49928
TITLE: WATER TREATMENT FACILITIES, ONSLOW BEACH
DATE: 6 JULY 56

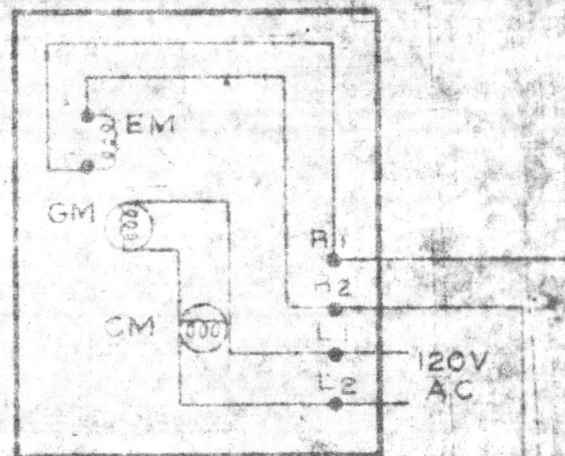
BY DIRECTION OF OFFICER
IN CHARGE OF CONSTRUCTION

TRANSMITTER



646729-53

RECEIVER



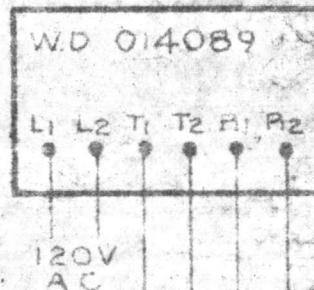
NOTES -

- CM - CHART DRIVE
- EM - ELECTRO MAGNET (10V 45MA DC)
- GM - GEAR TRAIN MOTOR
- M - CAM MOTOR
- MS - MERCURY SWITCH

1. SEE NAME PLATE OF INSTRUMENTS FOR PROPER VOLTAGE & FREQUENCY.
2. FOR VOLTAGES OTHER THAN 120V, TRANSFORMERS MUST BE USED.
3. ONE WIRE OF TRANSMISSION CIRCUIT MAY BE REPLACED BY A GOOD GROUND.
4. ADDITIONAL DIAGRAMS WILL BE FURNISHED AS REQUIRED COVERING ALARMS, CONTROLS, INTEGRATORS, ETC.

POWER SUPPLY

MODEL 9J1 OR 9J2



TRANSMISSION LINE

45MA. DC

MAX. LOOP RESISTANCE 2000 OHMS

WIRING DIAGRAM

BRISTOL'S METAMETER TELEMETERING SYSTEM TYPE C1A1

THE BRISTOL CO
 WATERBURY, CONN. U.S.A.
 DATE 5-2-55 DRAWN MHC
 DRAWER NO. 21
 SHEET NO. 011400A

2-8-50-248

PUBLIC WORKS DEPARTMENT
CAMP LEJEUNE, NORTH CAROLINA

APPROVED

SUBJECT TO CONTRACT REQUIREMENTS

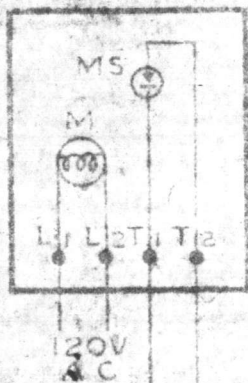
CONTRACT NO. 93549 SPEC. NO. 49928

TITLE WATER TREATMENT FACILITIES, ONSLOW BEACH

DATE: 6 JULY 5, 1950

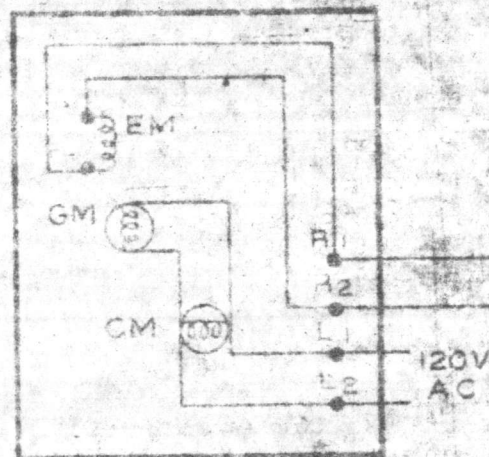
BY DIRECTION OF OFFICER
IN CHARGE OF CONSTRUCTION

TRANSMITTER



646729-53

RECEIVER

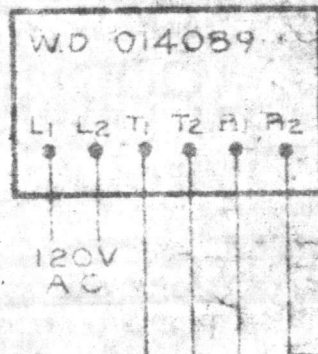


NOTES:-

- CM - CHART DRIVE
- EM - ELECTRO MAGNET (10V 45MA. DC)
- GM - GEAR TRAIN MOTOR
- M - CAM MOTOR
- MS - MERCURY SWITCH

1. SEE NAME PLATE OF INSTRUMENTS FOR PROPER VOLTAGE & FREQUENCY.
2. FOR VOLTAGES OTHER THAN 120V, TRANSFORMERS MUST BE USED.
3. ONE WIRE OF TRANSMISSION CIRCUIT MAY BE REPLACED BY A GOOD GROUND
4. ADDITIONAL DIAGRAMS WILL BE FURNISHED AS REQUIRED COVERING ALARMS, CONTROLS, INTEGRATORS, ETC.

POWER SUPPLY MODEL 9J1 OR 9J2



TRANSMISSION LINE

45-MA. DC

MAX. LOOP RESISTANCE 2000 OHMS

WIRING DIAGRAM

BRISTOL'S METAMETER TELEMETERING SYSTEM TYPE C1A1

THE BRISTOL CO
WATERBURY CONN. U.S.A.
DATE 5-2-55 DRAWN MHC
DRAWER NO. 21
SHEET NO. 011400A

0-27040

PUBLIC WORKS DEPARTMENT
CAMP LEJEUNE, NORTH CAROLINA

APPROVED

SUBJECT TO CONTRACT REQUIREMENTS

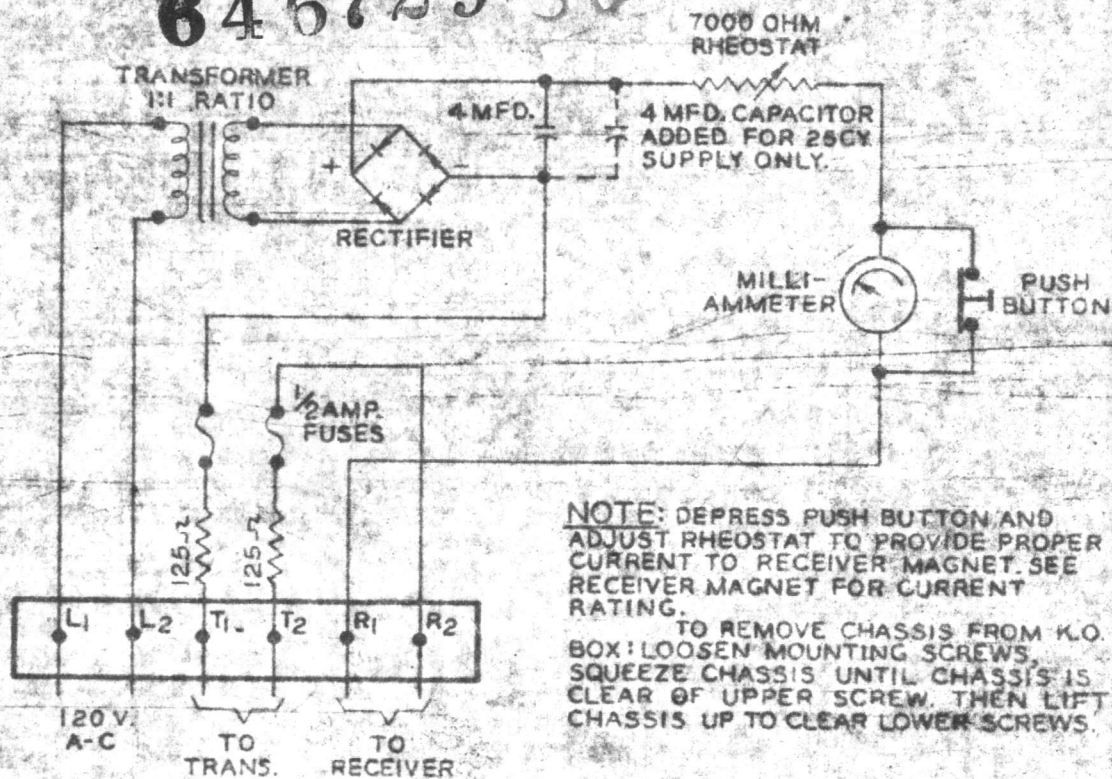
CONTRACT NO. 93544 SPEC. NO. 49928
TITLE WATER TREATMENT FACILITIES, ONSLOW BEACH

DATE: 6 JULY 56, A. J. Daniels

BY DIRECTION OF OFFICER
IN CHARGE OF CONSTRUCTION

MODEL 9J1 PART NO. 96200
FOR 120V. 50 & 60 CY. SUPPLY.
MODEL 9J2 PART NO. 96201
FOR 120V. 25 CY. SUPPLY.

646729-56



NOTE: DEPRESS PUSH BUTTON AND ADJUST RHEOSTAT TO PROVIDE PROPER CURRENT TO RECEIVER MAGNET. SEE RECEIVER MAGNET FOR CURRENT RATING.
TO REMOVE CHASSIS FROM K.O. BOX: LOOSEN MOUNTING SCREWS, SQUEEZE CHASSIS UNTIL CHASSIS IS CLEAR OF UPPER SCREW. THEN LIFT CHASSIS UP TO CLEAR LOWER SCREWS.

WIRING DIAGRAM
MODEL 9J1 & 9J2 D-C POWER SUPPLY
FOR TYPE B & C METAMETER SYSTEMS.

THE BRISTOL CO.
WATERBURY, CONN. U.S.A.
DATE 2-22-54 DRAWN M.K.C.
DRAWER NO. 21
SHEET NO. 014089

CUT ON THESE LINES AND PASTE IN K.O. BOX COVER.

2-4-55
REV. 6-2-54

THE BRISTOL CO.
WATERBURY, CONN. U.S.A.
DATE 2-22-54 DRAWN M.K.C.
DRAWER NO. 21
SHEET NO. 014089

B. CO. ORDER NO. []

CUSTOMER ORDER NO. 214

SERIAL NO. []

PUBLIC WORKS DEPARTMENT
CAMP LEJEUNE, NORTH CAROLINA

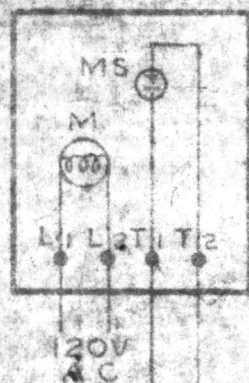
APPROVED

SUBJECT TO CONTRACT REQUIREMENTS

CONTRACT NO. 93544 SPEC. NO. 49928
TITLE WATER TREATMENT FACILITIES, ONSLOW BEACH
DATE: 6 JULY 56, A. D. Morris

BY DIRECTION OF OFFICER
IN CHARGE OF CONSTRUCTION

TRANSMITTER



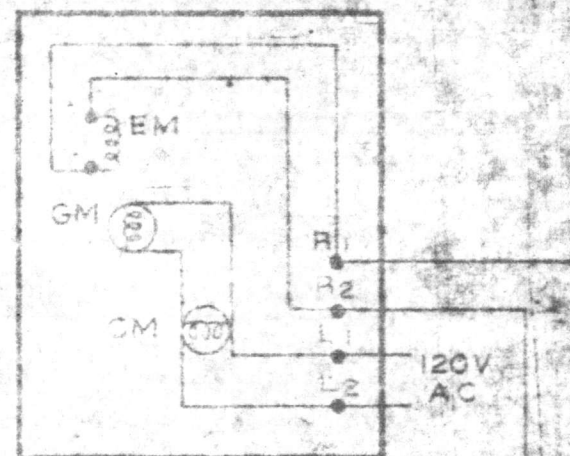
646729-53

NOTES:-

- CM - CHART DRIVE
- EM - ELECTRO MAGNET (10V 45MA. DC)
- GM - GEAR TRAIN MOTOR
- M - CAM MOTOR
- MS - MERCURY SWITCH

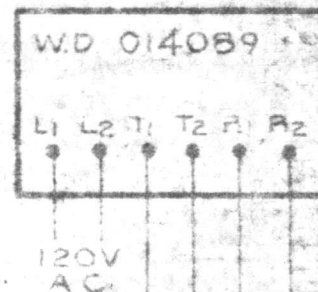
1. SEE NAME PLATE OF INSTRUMENTS FOR PROPER VOLTAGE & FREQUENCY.
2. FOR VOLTAGES OTHER THAN 120V, TRANSFORMERS MUST BE USED.
3. ONE WIRE OF TRANSMISSION CIRCUIT MAY BE REPLACED BY A GOOD GROUND.
4. ADDITIONAL DIAGRAMS WILL BE FURNISHED AS REQUIRED COVERING ALARMS, CONTROLS, INTEGRATORS, ETC.

RECEIVER



POWER SUPPLY

MODEL 9J1 OR 9J2



TRANSMISSION LINE

45MA. DC

MAX. LOOP RESISTANCE 2000 OHMS

WIRING DIAGRAM

BRISTOL'S METAMETER TELEMETERING SYSTEM TYPE C1A1

THE BRISTOL CO

WATERBURY, CONN., U.S.A.

DATE 5-2-55 DRAWN MLC

DRAWER NO. 2

SHEET NO. 011400A

B. CO. ORDER NO.

CUSTOMER ORDER NO.

214

SERIAL NO.

64630

PUBLIC WORKS DEPARTMENT
CAMP LEJEUNE, NORTH CAROLINA

APPROVED

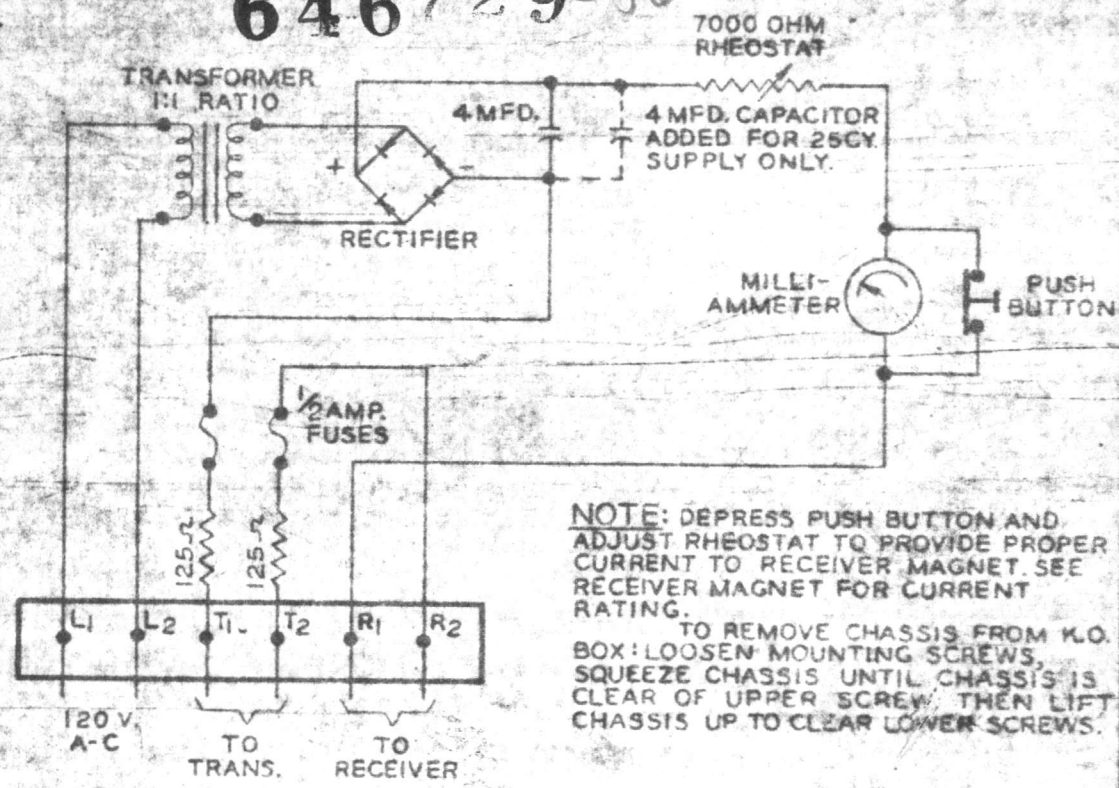
SUBJECT TO CONTRACT REQUIREMENTS

CONTRACT NO. 93544 SPEC. NO. 99928
TITLE WATER TREATMENT FACILITIES, ONSLOW BEACH
DATE: 6 JULY 56, [Signature]

BY DIRECTION OF OFFICER
IN CHARGE OF CONSTRUCTION

MODEL 9J1 PART NO. 96200
FOR 120V. 60 & 60 CY. SUPPLY.
MODEL 9J2 PART NO. 96201
FOR 120V. 25 CY. SUPPLY.

646729-56



NOTE: DEPRESS PUSH BUTTON AND ADJUST RHEOSTAT TO PROVIDE PROPER CURRENT TO RECEIVER MAGNET. SEE RECEIVER MAGNET FOR CURRENT RATING.
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WIRING DIAGRAM
MODEL 9J1 & 9J2 D-C POWER SUPPLY
FOR TYPE B & C METAMETER SYSTEMS.

THE BRISTOL CO.
WATERBURY, CONN. U.S.A.
DATE 2-22-54 DRAWN M.K.C.
DRAWER NO. 21
SHEET NO. 014089

CUT ON THESE LINES AND PASTE IN K.O. BOX COVER.

2-4-55
REV. 6-2-54

THE BRISTOL CO.
WATERBURY, CONN. U.S.A.
DATE 2-22-54 DRAWN M.K.C.
DRAWER NO. 21
SHEET NO. 014089

B. CO. ORDER NO. [] CUSTOMER ORDER NO. 219 SERIAL NO. []

PUBLIC WORKS DEPARTMENT
CAMP LEJEUNE, NORTH CAROLINA

APPROVED

SUBJECT TO CONTRACT REQUIREMENTS

CONTRACT NO. 93544 SPEC. NO. 49928
TITLE WATER TREATMENT FACILITIES, ONSLOW BEACH
DATE: 6 JULY 56, J. L. W. DAVIS

BY DIRECTION OF OFFICER
IN CHARGE OF CONSTRUCTION