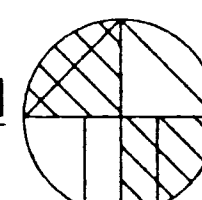


SCALE: 1"=20'

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PRODUCT DESCRIPTION

THESE STRUCTURES ARE USED TO TRAP FLOATING POLLUTANTS ON THE UPSTREAM SIDE OF THE BAFFLE. THE BAFFLE WALL IS POURED SEPARATELY AND IS GROUTED INTO A KEYWAY WHICH IS CAST INTO THE WALL SECTION. THIS STRUCTURE IS USUALLY THE LAST STRUCTURE BEFORE THE OUTFALL IN A POSITIVE DRAINAGE SYSTEM. SEE PAGE 3-7 FOR THE VARIOUS STRUCTURE SIZES AVAILABLE.

NOTE:
FOR TOP SLAB, SEE PAGES 1-15
AND 1-16.

THIS STRUCTURE IS USED BY SOME MUNICIPALITIES IN SANITARY SEWER SYSTEMS FOR CUTS LESS THAN 6'-0". THE MANHOLE BOTTOM SLAB AND WALL SECTION ARE CAST MONOLITHICALLY. THE WALL THICKNESS IS 6", WHICH EXCEEDS THE REQUIREMENTS OF ASTM C-478. THE SEPARATE TOP SLAB CAN BE FURNISHED WITH EITHER A CENTERED OR OFFSET MANHOLE ENTRANCE.

CONCRETE - 4000 PSI AT 28 DAYS
TYPE II CEMENT
WALL REINFORCING - WALL STEEL PER ASTM C-47
BOTTOM SLAB REINFORCING - #4 AT 12" C.C.E.W.*
TOP SLAB REINFORCING - #4 AT 6" C.C.E.W.*

HOLDING CAPACITY	STRUCTURE WEIGHT	MAXIMUM PIPE SIZE
1.57 CU. FT./V.F.T. OR 94.01 GAL./V.F.T.	BOT. SLAB = 2,800 LBS. WALL = 1,000 LBS./V.F.T. TOP = 1,800 LBS.	AT 180", 2" V.C.P. OR 24" P.V.C. AT 90", 18" V.C.P. OR 18" P.V.C.

U.S. FOUNDRY RING AND COVER U.S.F. NO.	CLEAR OPENING	CASTING WEIGHT	LOAD RATING
310 A	20"	530 LBS.	HEAVY DUTY
420 C	20"	400 LBS.	HEAVY DUTY
170 X	22 1/2"	285 LBS.	HEAVY DUTY

SEE U.S. FOUNDRY CATALOG TO SPECIFY OTHER RINGS AND COVERS

REMARKS:

WELDED CAP
GRATING SHALL BE OFFSET IF STRUCTURE IS USED AS OVERTFLOW
3" x 3" STEEL ANGLE
3/8" GALV. LAG BOLTS IN LEAD SHIELD
NEOPRENE GASKET AT ALL CONTACT EDGES
WELDED OR (2) 1/2" SS THRU BOLTS

CATCH BASIN (FRAME & GRATE PER SD 2.3)
PROVIDE ROUGH TO GRADE AS REQUIRED
- SEE NOTE 4

NO SLOTS OR PERFORATIONS
ON THIS PIPE

PAVEMENT

CLEAN FILL

GRADE

TYPAR MATERIAL
TOP AND SIDES

PERFORATED CORRUGATED
ALUMINUM PIPE

WELDED END

2" BALLAST ROCK

VARIES

SEE NOTE 3

4" x 4" OR
4" x 6" DIA.

1/2" PRECAST STRUCTURE

1/2" PRECAST STRUCTURE

PERFORATED
COP PIPE

WATER TABLE

3" BALLAST ROCK

1. IN SANDY AREAS AS NOTED IN PLANS AND/OR DIRECT BY THE ENGINEER

2. AFTER THE BALLAST ROCK HAS BEEN PLACED TO THE PROPER ELEVATION, IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER IN ORDER TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. IF IT DOES TAKE PLACE, ADDITIONAL BALLAST ROCK WILL BE ADDED TO RESTORE THE BALLAST ROCK TO THE PROPER ELEVATION SO THAT THE EXPLORATION TRENCH BE COMPLETED IN ACCORDANCE WITH THE DETAILS.

3. FOR PERFORATED COP PIPE JOINTS ARE TO BE BANDAGED BUT NOT GASKETED.

4. 21" DIA. REMOVABLE SEMI-CIRCULAR BAFLE PIPE WITH WELDED CAP ON TOP AND EXPANDED METAL MESH ON BOTTOM, BOLTED TO WALL (SEE DETAIL).

5. CATCH BASIN PER STD. DETAIL SD. 1.8 TYPE "B" OR LARGER. REINFORCEMENT FOR APPLICABLE STD. OF P.W.D. MANUAL PART 1.

1. PLASTIC WATER FABRIC (AT EACH SIDE) SHALL BE USED IN SANDY AREAS AS NOTED IN PLANS AND/OR DIRECTED BY THE ENGINEER.
2. AFTER THE BALLAST ROCK HAS BEEN PLACED TO THE PROPER ELEVATION, IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER IN ORDER TO ALLOW FOR FINAL SETTLEMENT THAT MAY OCCUR. IF IT DOES TAKE MORE THAN 24 HOURS TO COMPLETELY SETTLE, THEN RESTORE THE BALLAST ROCK TO THE PROPER ELEVATION SO THAT THE COPIRATION TRENCH BE COMPLETED IN CONJUNCTION WITH THE REMOVAL OF THE BALLAST.
3. FOR PERFORATED CUP PIPE JOINTS ARE TO BE BANGED, BUT NOT GASKETED.
4. REMOVAL OF SEDA-CORONA Baffle PIPE WITH WELDED CAP ON TOP AND EXPANDED METAL MESH ON BOTTOM, BOLTED TO WALL (SEE DETAIL).
5. CUP BASIN PER STD. DETAIL. SD. 2.0 TYPE "Y" OR LARGER - REINFORCED PER APPLICABLE STD. OF P.W.D. MANUAL, PART 1.

SC: 1°; 20'-0

MARK	REVISION DESCRIPTION	DATE
△	GENERAL	2-23-
△	A.P.O.	2/01/4
↑	AS PER OWNER	11/22/4

E.B. No 0001890 Q.L. No 127365-5
DAVIS ENGINEERS P.A.
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MIAMI, FLORIDA 33144
(305) 266-2566

RICKY'S OIL SERVICE
7209 N.W. 66 ST.
MIAMI, FLORIDA
PHONE : (305)-822-2253

JOB N°
9200

DATE 10-26-95

SITE PLAN

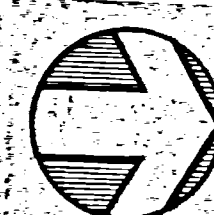
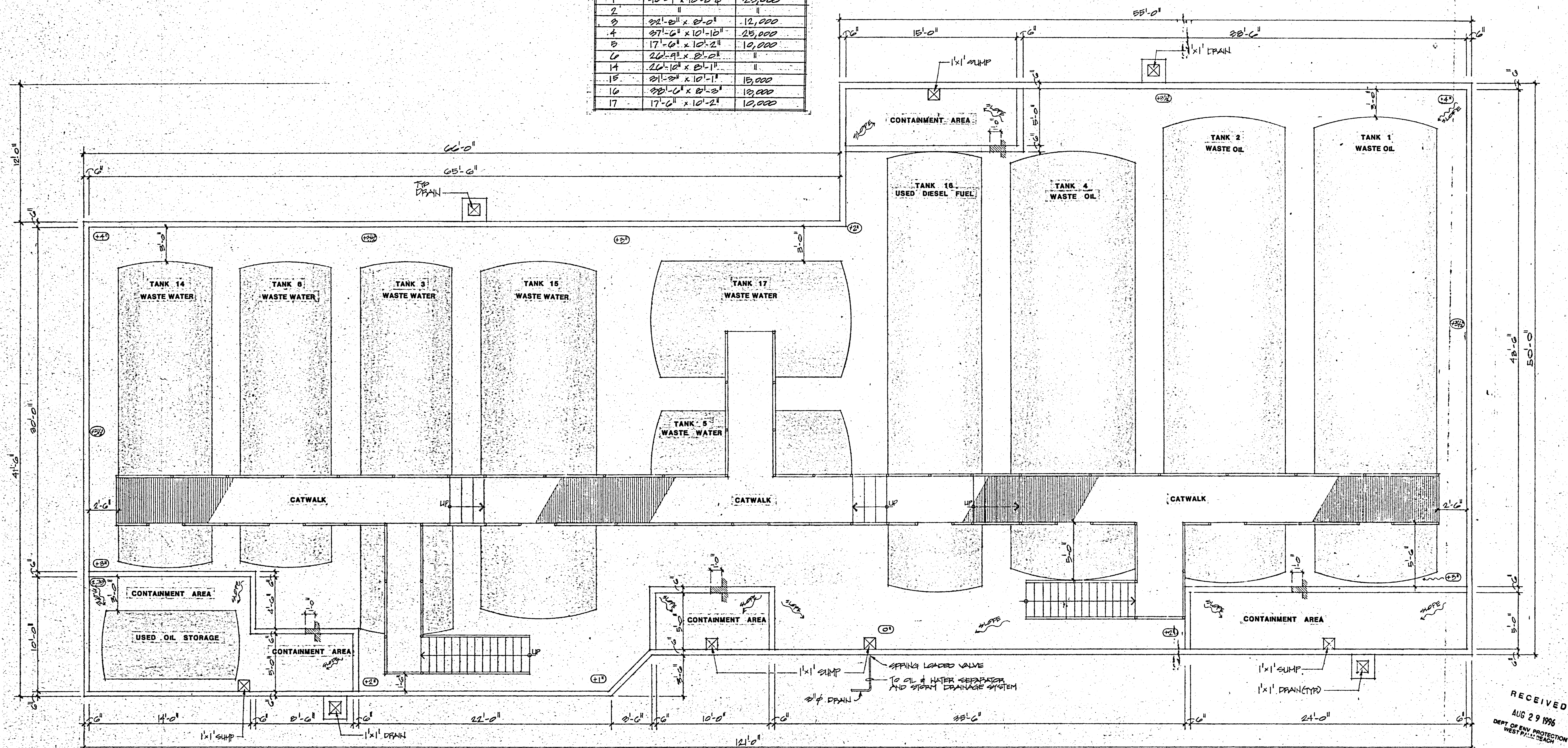
Alan J. Davis
Structural Engineer
P.E. No 11035

SITE PLAN

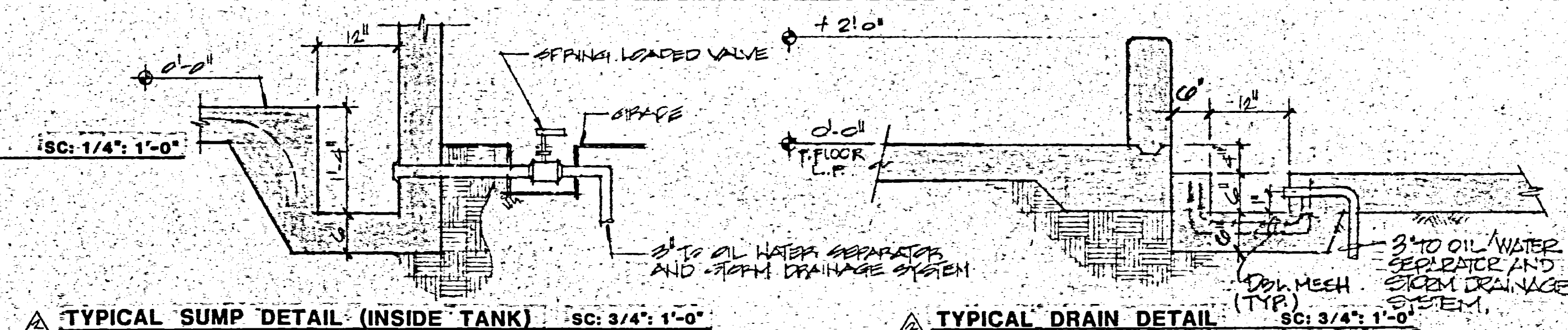
LARGEST TANK = 25,000 GALLONS
110% VOL. = 27,500 GAL. REQ'D
STORAGE = $5037 \text{ CF} \times 22' = 69,220 \text{ GAL. PROVIDED}$
TOP OF WALL AT +24" (22' ABOVE AVERAGE FLOOR ELEVATION)

TANK SCHEDULE

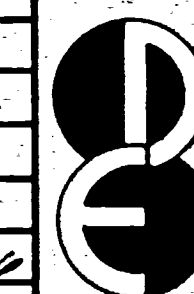
TANK NO.	SIZE	GALLONS
1	40'-1" x 10'-0" ϕ	25,000
2	"	"
3	32'-0" x 8'-0"	12,000
4	37'-6" x 10'-10"	25,000
5	17'-0" x 10'-2"	10,000
6	26'-9" x 8'-0"	"
14	26'-10" x 8'-1"	"
15	21'-3" x 10'-1"	13,000
16	30'-0" x 8'-3"	13,000
17	17'-6" x 10'-2"	10,000



FLOOR PLAN



MARK	REVISION DESCRIPTION	DATE
△	A.P.O.	2/10/7
↑	AS PER OWNER	1/22/7



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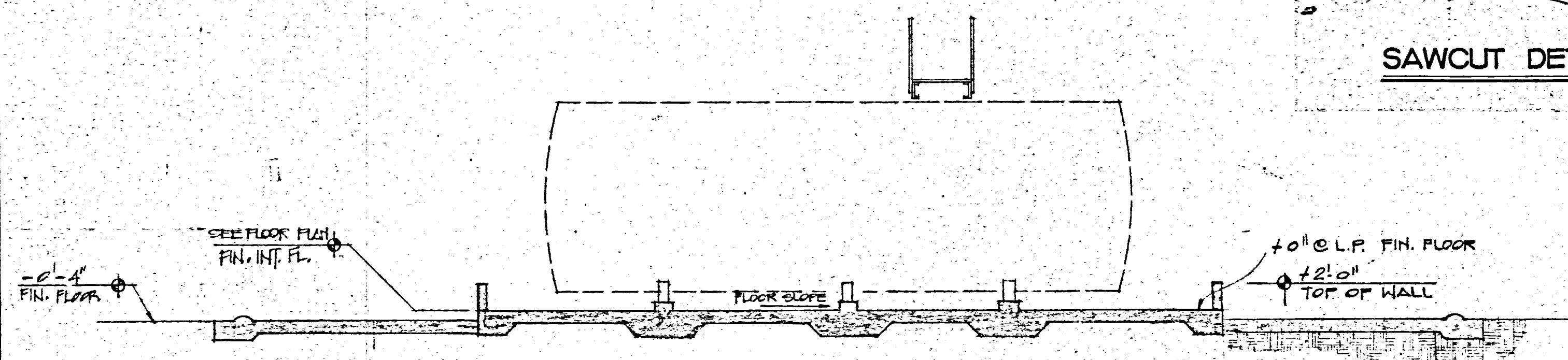
FLOOR PLAN

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AUG 29 1996
DEPT OF ENV PROTECTION
WEST PALM BEACH

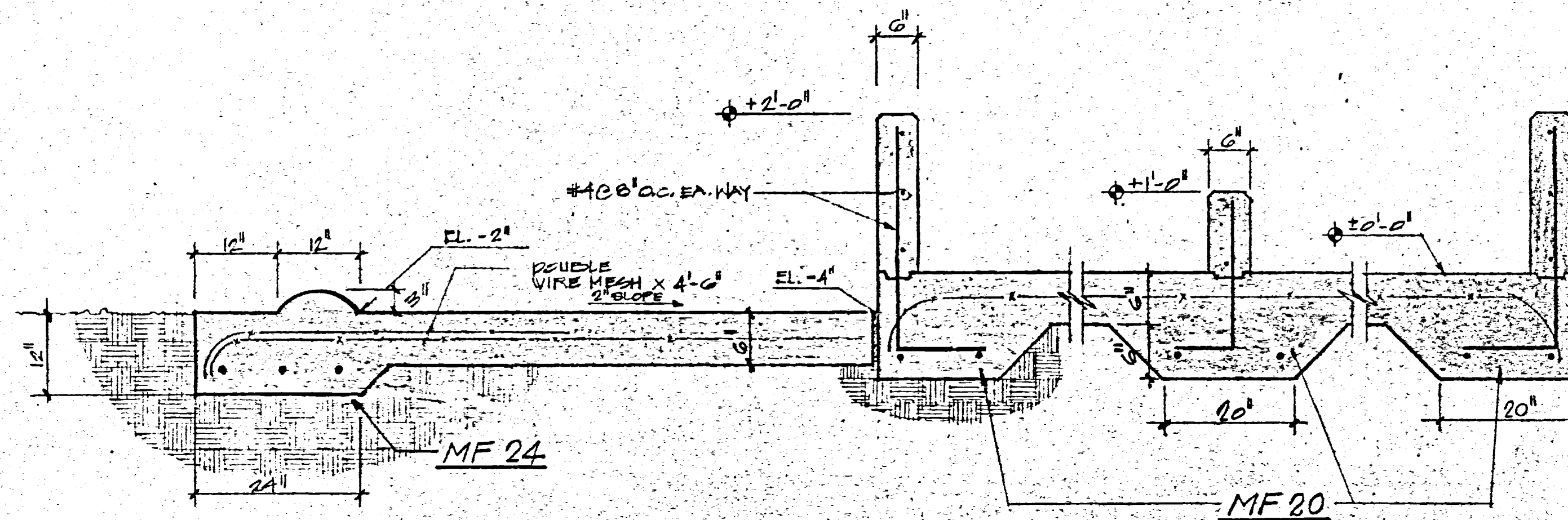
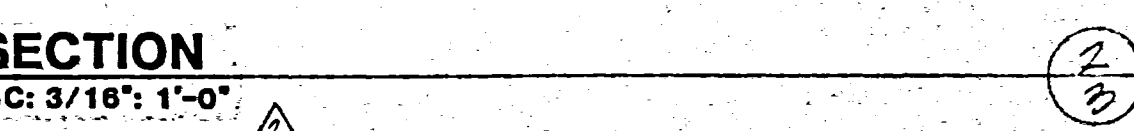
Alan J. Davis
Structural Engineer
P.E. No 11035

FOOTING SCHEDULE							
MARK	SIZE			REINFORCEMENT			REMARKS
	W.	D.	L.	L. W.	S. W.	CONTINUOUS	
MF 1	3'-0" x 12" x 666	PLAN	8 # 8	4 # 8 @ 12"			
MF 2	3'-0" x 12" x "	" "	8 # 8	4 # 8 @ 12"			
MF 20	1'-3" x 12" x "	" "			2 # 6		
MF 24	2'-0" x 12" x "	" "			3 # 6		

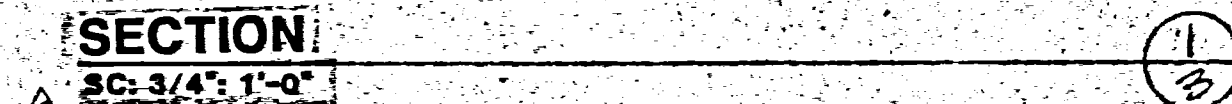
1. ALL REINFORCING STEEL SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A615, GRADE 60.
2. UNLESS OTHERWISE NOTED, ALL DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL CONFORM TO THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE MEMBERS.
3. LAP ALL BAR SPLICES 30 BAR DIAMETERS (12" MIN) UNLESS OTHERWISE NOTED.
4. ALL CONCRETE SHALL DEVELOP A MINIMUM OF 3000 PSI COMPRESSIVE STRENGTH IN 28 DAYS UNLESS OTHERWISE NOTED.
5. WIRE MESH REINFORCEMENT SHALL BE WELDED SMOOTH WIRE FABRIC CONFORMING TO ASTM A655 WITH A MINIMUM LENGTH OF 60000 PSI.
6. WIRE MESH REINFORCEMENT SHALL LAP ONE FULL MESH 2' AND BE SECURELY WIRED AT EACH SIDE AND END.
7. MINIMUM COVER FOR REINFORCING STEEL UNLESS OTHERWISE NOTED SHALL BE:
 - A. CONCRETE DEPOSITED AGAINST THE GROUND 3"
 - B. CONCRETE EXPOSED TO THE WEATHER OR IN CONTACT WITH THE GROUND 2"
 - C. SLABS AND WALLS NOT EXPOSED TO THE WEATHER OR IN CONTACT WITH THE GROUND 3/4"
 - D. BEAMS COVER MAIN 3/4"
 - E. SLAB ON GRADE (NON STRUCTURAL) 2"
 - F. COVERS COVER MAIN REINFORCING 2" • CENTER LINE



SC: 3/16": 1'-0"

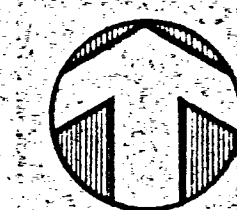
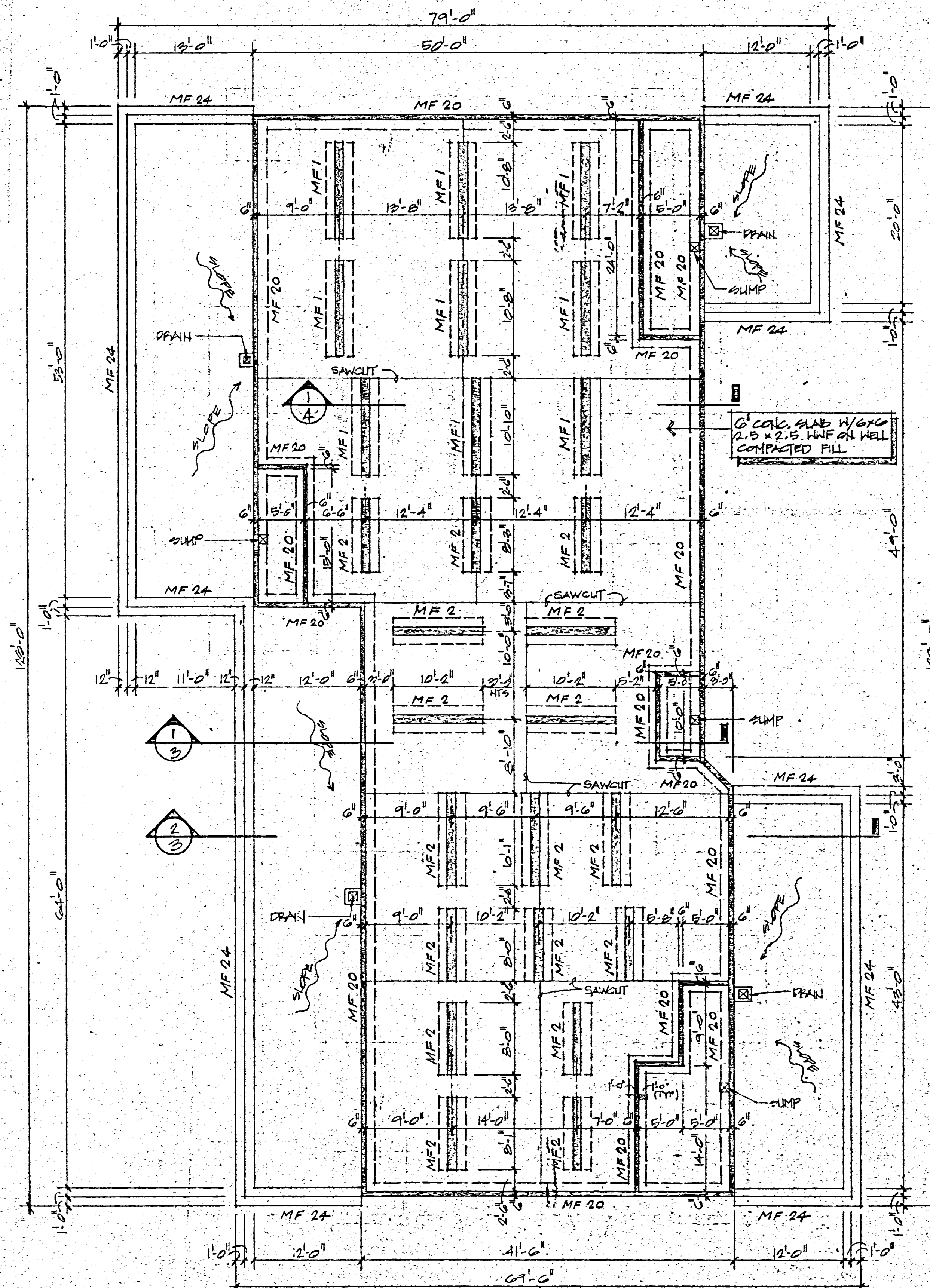


SC: 3/4": 1'-0"



SOIL AT THE SITE IS ROCK AND SAND WITH AN ALLOWABLE BEARING PRESSURE OF 2 KSF. SHOULD OTHER CONDITIONS BE ENCOUNTERED NOTIFY ENGINEER BEFORE PROCEEDING WITH THE WORK.

FOOTINGS DESIGNED BASED ON UPLIFT MAXIMUM BEARING STRESS < 1 KSF.



SC: 1/8": 1'-0"

MARK	REVISION DESCRIPTION	DATE
△	GENERAL	2/28/11
△	S.P.O.	2/28/11
△	AS PER OWNER	11/22/11

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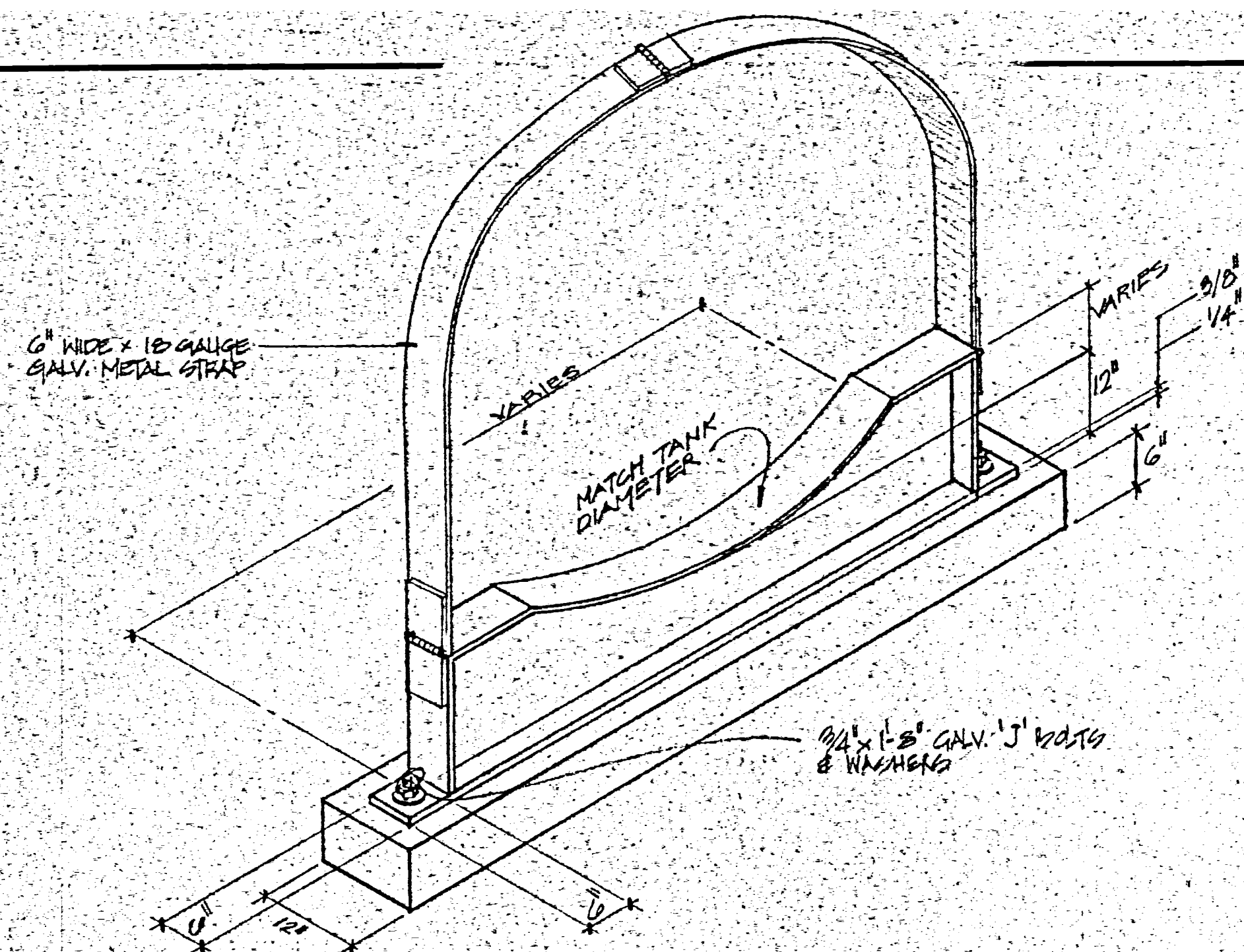
DATE
10-26-95

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FOUNDATION PLAN, SECTIONS

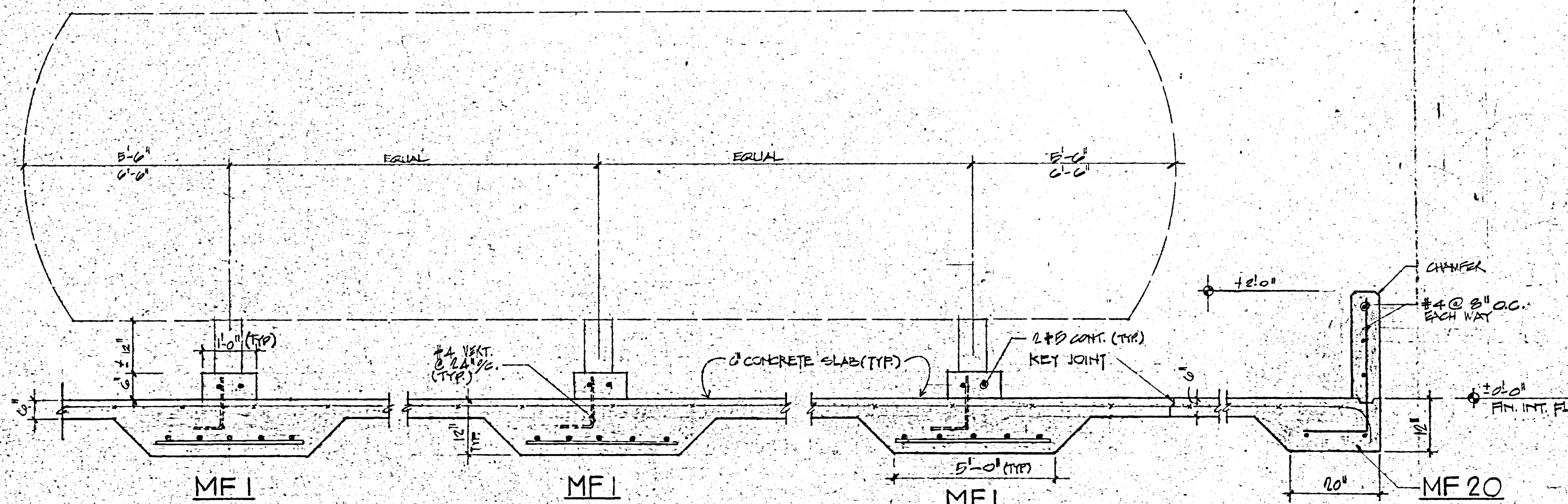
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Structural Engineer
P.E. No 11035



TANK STAND ISOMETRIC

NT.S.



TANK STAND SECTION

3/4\"/>

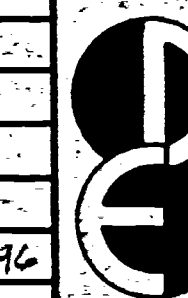
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FOR FOOTING ECHD.
SEE SHEET N° 3

25 1996
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MARK	REVISION DESCRIPTION	DATE
Δ	GENERAL	2/22/96
Δ	AS PER OWNER	11/22/95

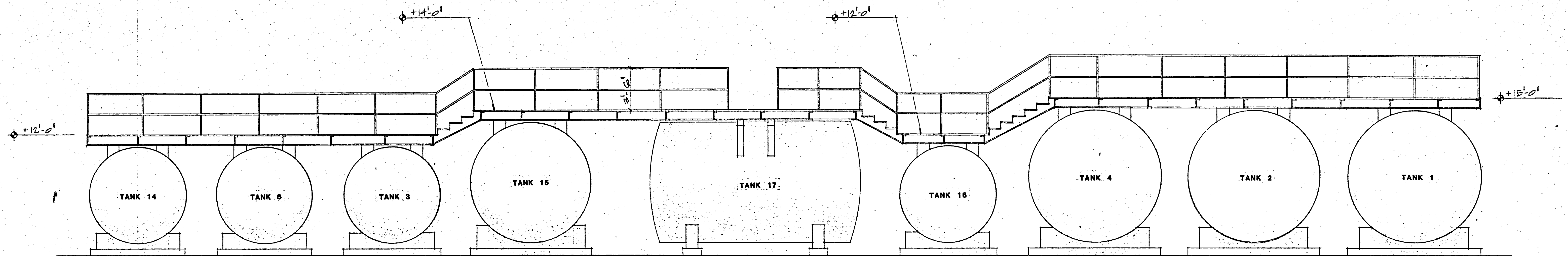


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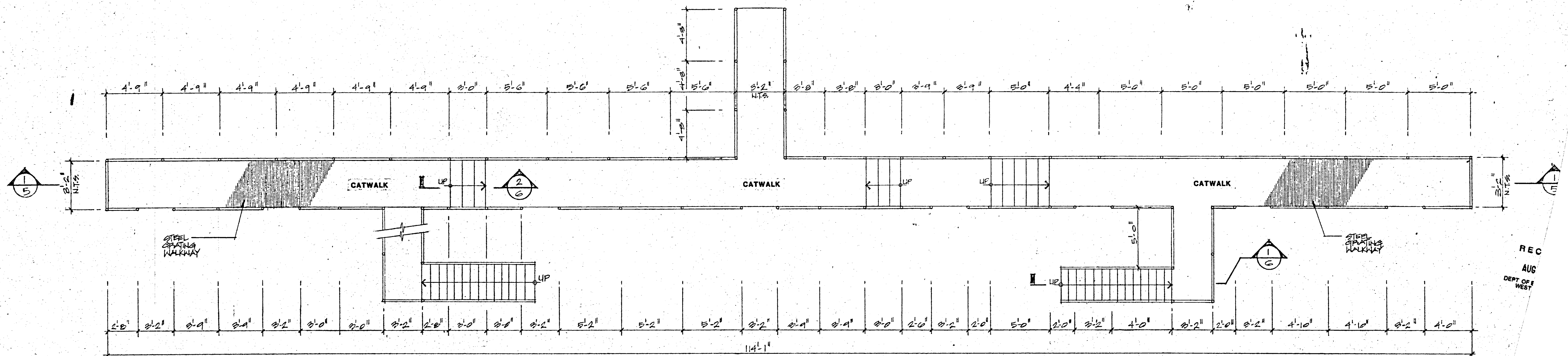
JOB N° 82001 DATE 10-26-95 4/6

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SECTION & NOTES



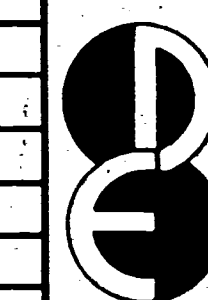
LONGITUDINAL SECTION SC: 1/4" = 1'-0" 1
E



CATWALK FLOOR PLAN SC: 1/4" = 1'-0"

NOTES: CATWALK MANUFACTURED TO TAKE ON SITE MEASUREMENTS PRIOR TO STAIR & WALKWAY FABRICATION.

MARK	REVISION DESCRIPTION	DATE
Δ	AS PER OWNER	2/21/96



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10-26-95

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RICKY
7209
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PHON

CATWALK

REC
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DEPT OF E
WEST

1. ALL STRUCTURAL STEEL SHALL BE ASTM A-36. SUBMIT SHOP DRAWINGS SIGNED AND SEALED BY A FLORIDA REGISTERED ENGINEER FOR APPROVAL. CONNECTION DETAILS TO BE SHOWN ON SHOP DRAWINGS.
2. ALL DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO THE SPECIFICATIONS SET FORTH IN THE AWS MANUAL, LATEST EDITION.
3. ALL SHOP CONNECTIONS SHALL BE MADE WITH ASTM A325 BOLTS OR WELDED, USING E70 ELECTRODES AND SHALL CONFORM TO THE SPECIFICATIONS SET FORTH IN THE AWS STRUCTURAL WELDING CODE.
4. ALL FIELD CONNECTIONS SHALL BE MADE WITH ASTM A325 BOLTS, UNLESS OTHERWISE NOTED.
5. STRUCTURAL STEEL SHALL RECEIVE ONE COAT SHOP PAINT, RETOUCH AFTER ERECTION.
6. STEEL PIPE COLUMNS SHALL BE ASTM A501.
7. STRUCTURAL TUBE COLUMNS SHALL BE ASTM A500, GRADE B.



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DATE 10-26-95

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SECTIONS, DETAILS