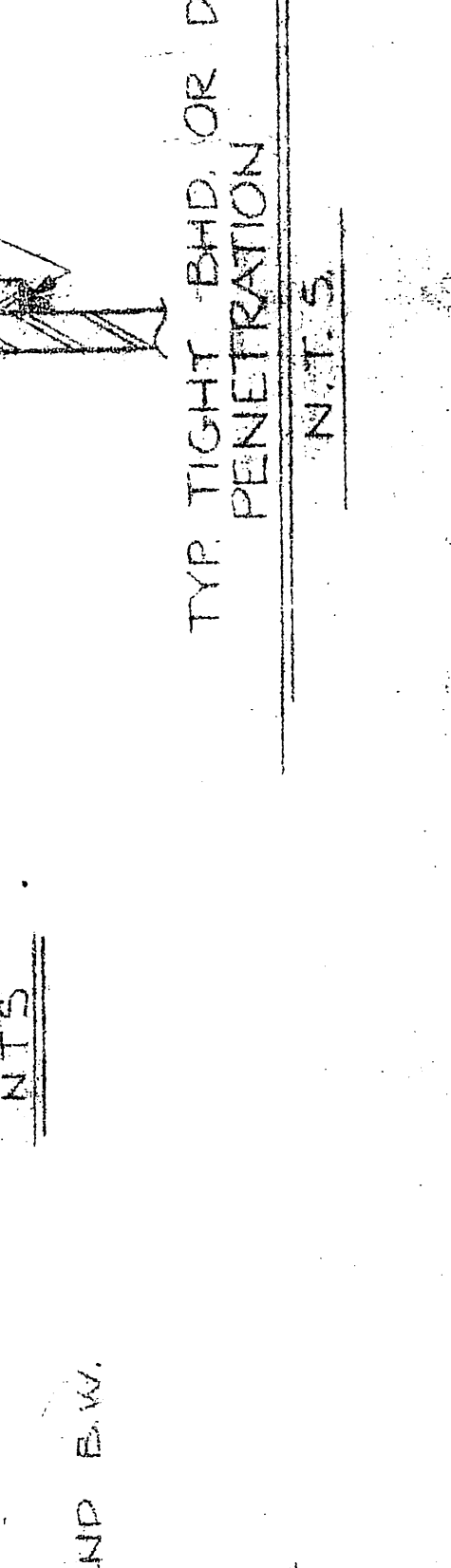
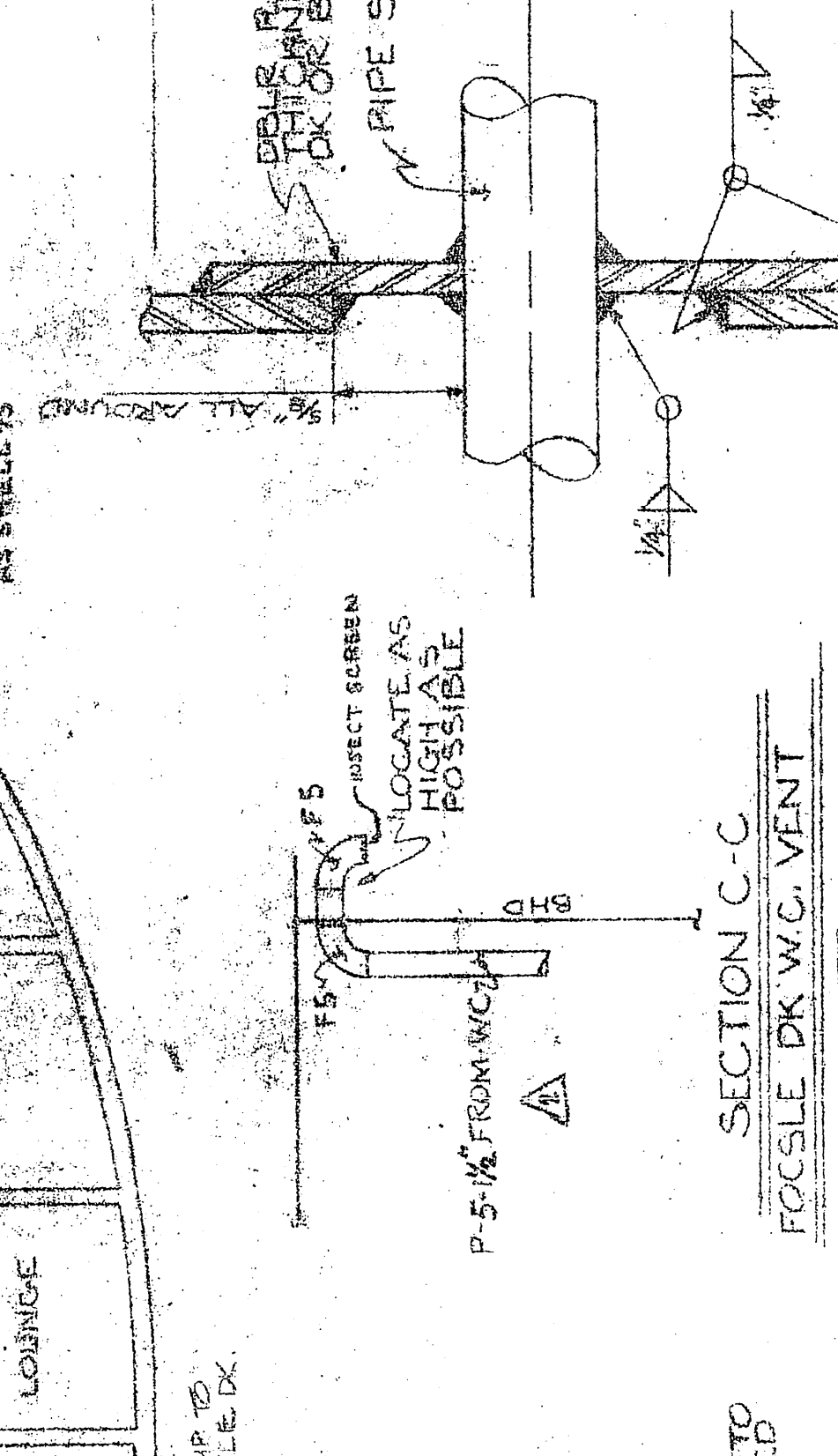
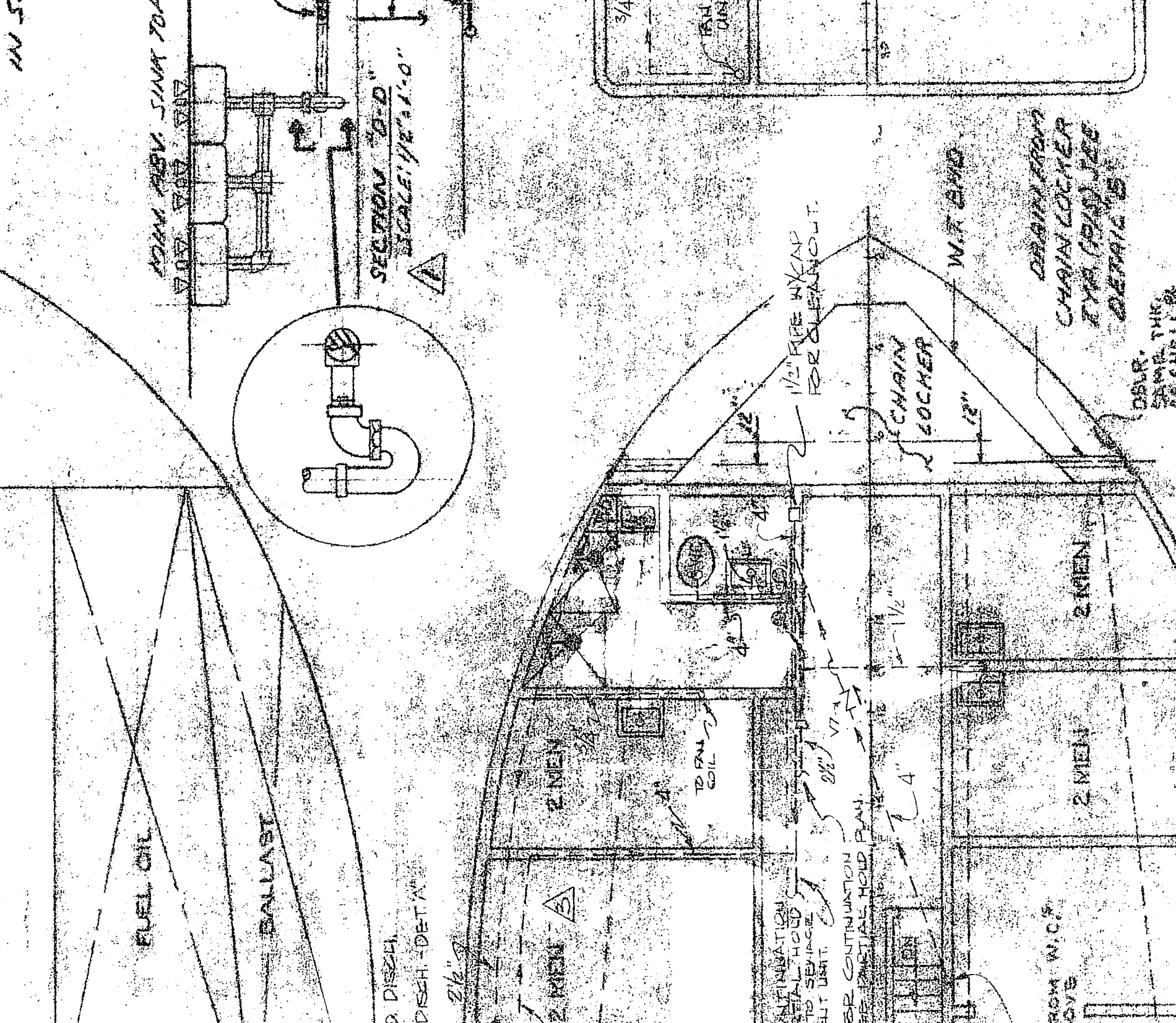
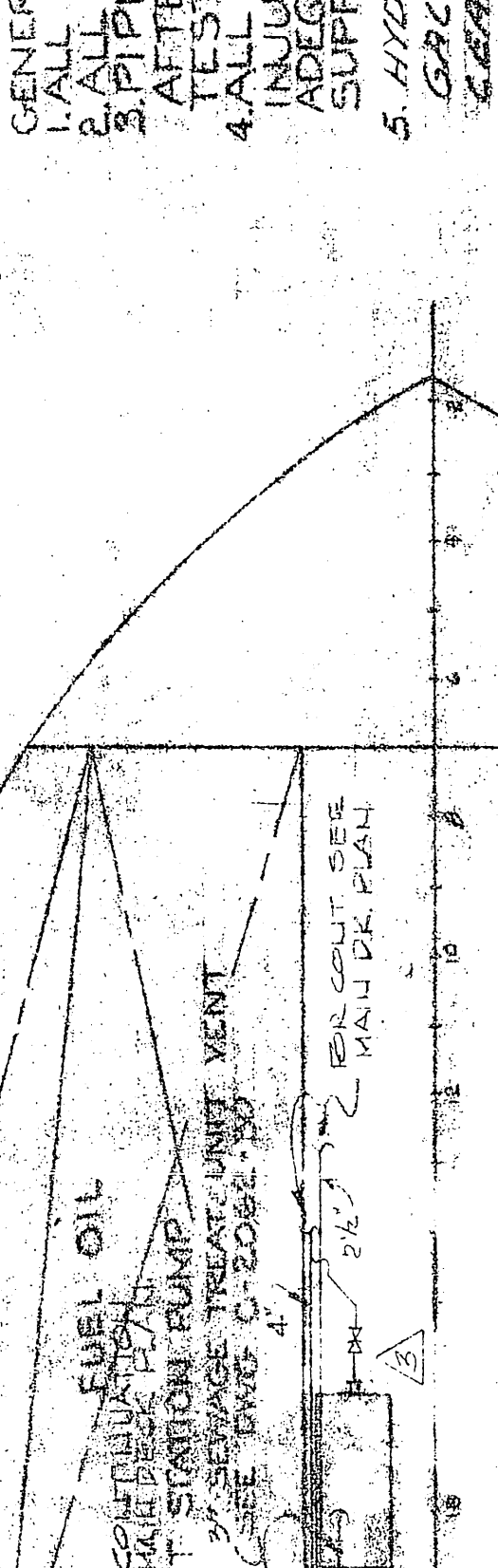
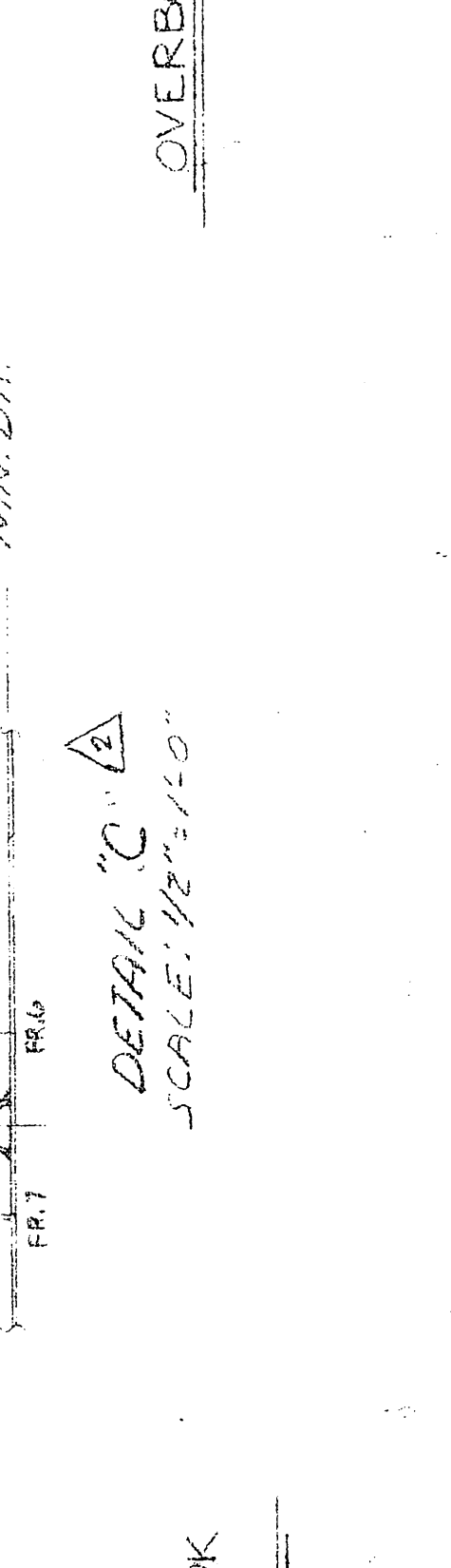
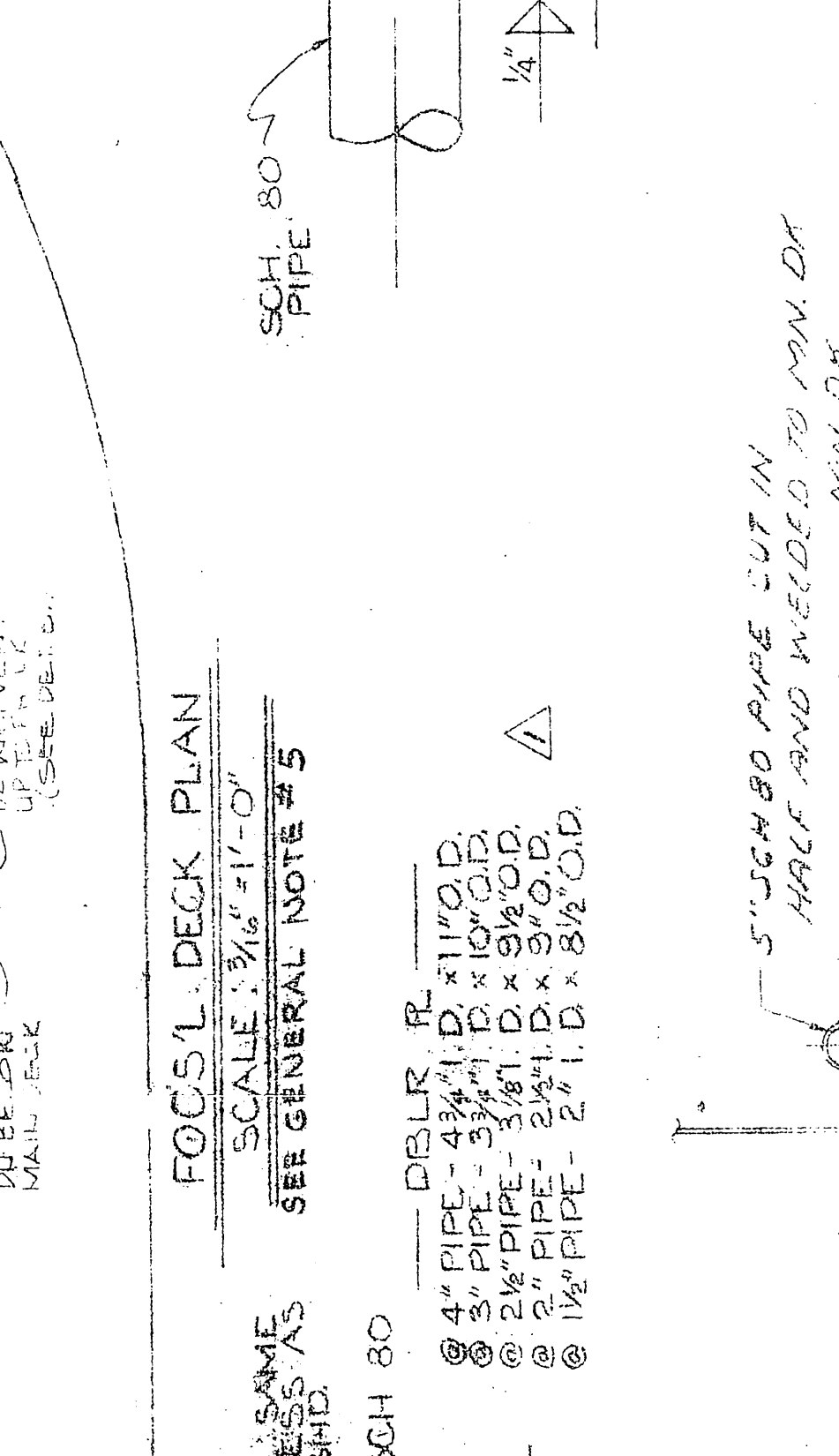
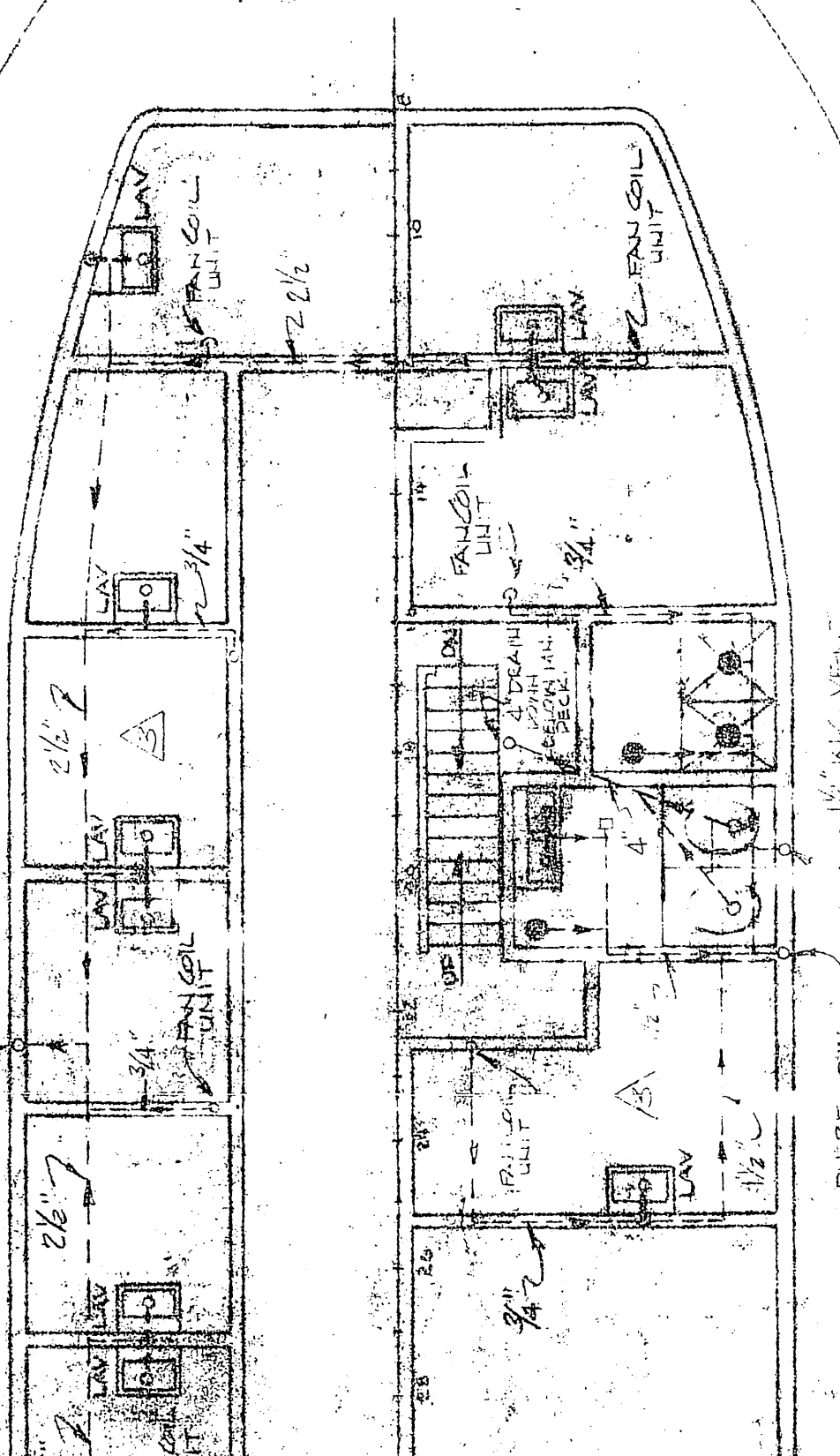
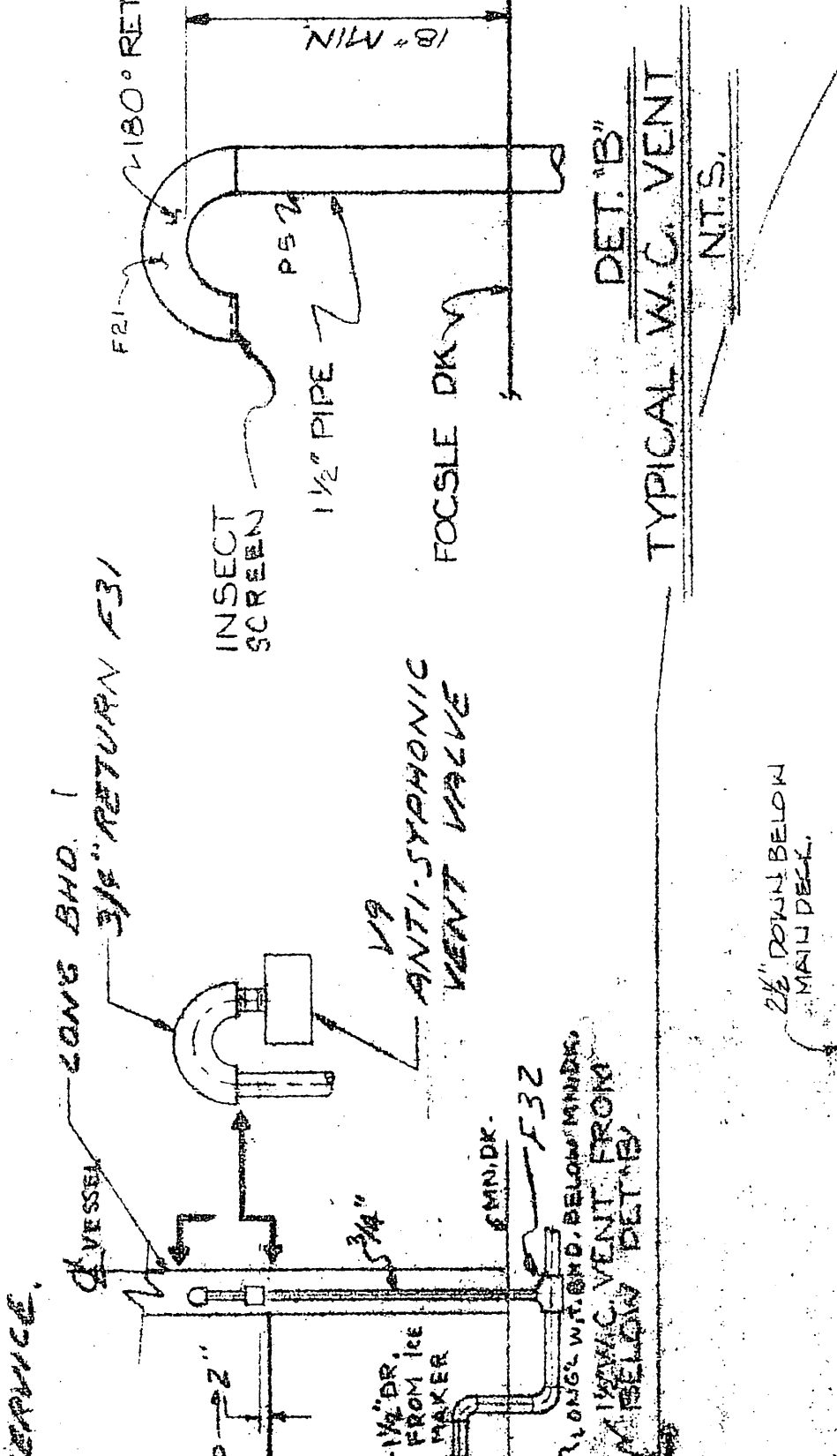


REV.	DATE	DESCRIPTION
1	10/10/10	REVISED DWS PER 15-DAY INST. WATER
2	10/10/10	REVISED DRAINING PLAN
3	10/10/10	REVISED DRAINING PLAN

QTY	SIZE	DESCRIPTION	REMARKS
1	180'	PIPE SCH 80 SMLS	ASTM A53 GR. B
2	50'	PIPE SCH 80 SMLS	ASTM A53 GR. B
3	40'	PIPE SCH 80 SMLS	ASTM A53 GR. B
4	10'	PIPE SCH 80 SMLS	ASTM A53 GR. B
5	140'	PIPE SCH 80 SMLS	ASTM A53 GR. B
6	12'	90° ELBOW SCH 80 LRBW	ASTM A234
7	2'	TEE SCH 80 B.W.	
8	2'	TEE SCH 80 B.W.	
9	54'	TEE SCH 80 B.W.	
10	4'	TEE SCH 80 B.W.	
11	1'	TEE SCH 80 B.W.	
12	1'	TEE SCH 80 B.W.	
13	14'	90° ELBOW SCH 80 SREW	
14	14'	90° RETURN BEND SREW	
15	14'	90° RETURN BEND SREW	
16	15'	DK DRAIN B.W.	
17	2'	CHECK VALVE 150# FLGD	
18	2'	CHECK VALVE 125# FLGD	
19	1'	CHECK VALVE 150# FLGD	
20	1'	CHECK VALVE 150# FLGD	
21	1'	CHECK VALVE 150# FLGD	
22	1'	CHECK VALVE 150# FLGD	
23	1'	CHECK VALVE 150# FLGD	
24	1'	CHECK VALVE 150# FLGD	
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98	1'	CHECK VALVE 150# FLGD	
99	1'	CHECK VALVE 150# FLGD	
100	1'	CHECK VALVE 150# FLGD	

GENERAL NOTES:  
 1. ALL PIPE & FITTINGS TO BE SCH 80  
 2. ALL DRAINS TO BE SLOPED 1/8" PER FT.  
 3. PIPING IS TO BE THOROUGHLY CLEANED  
 AFTER INSTALLATION & BEFORE FUNCTION  
 TESTING.  
 4. ALL PIPE SUBJECT TO MECHANICAL  
 VIBRATION OR EXCESSIVE VIBRATION SHALL BE  
 SUPPORTED.  
 5. HYDRO TEST ALL DRAIN LINES OVER  
 GRAVELY MESS TO INSURE AGAINST  
 LEAKS PRIOR TO PUTTING SYSTEMS  
 IN SERVICE.



MISSISSIPPI MARINE HULL #90  
**DESIGN ASSOCIATES, INC.**  
 NAVAL ARCHITECTS  
 NEW ORLEANS, LA.  
 MARINE ENGINEERS  
 TIDE WATER MARINE SERVICE  
 140' x 36' x 10'  
 SEISMIC VESSEL  
 SANITARY DRAINS  
 Drawing No. C-2-02-45  
 Revision: 1  
 Date: 10/10/10  
 Checked: P.C.  
 Approved: S.M.  
 Sheet: 1 of 1