

20CF-7-1
20FHS 20FTI

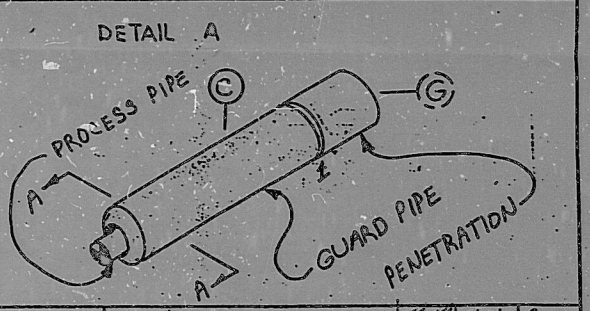
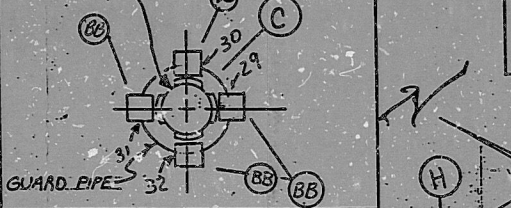
HIGH ENERGY

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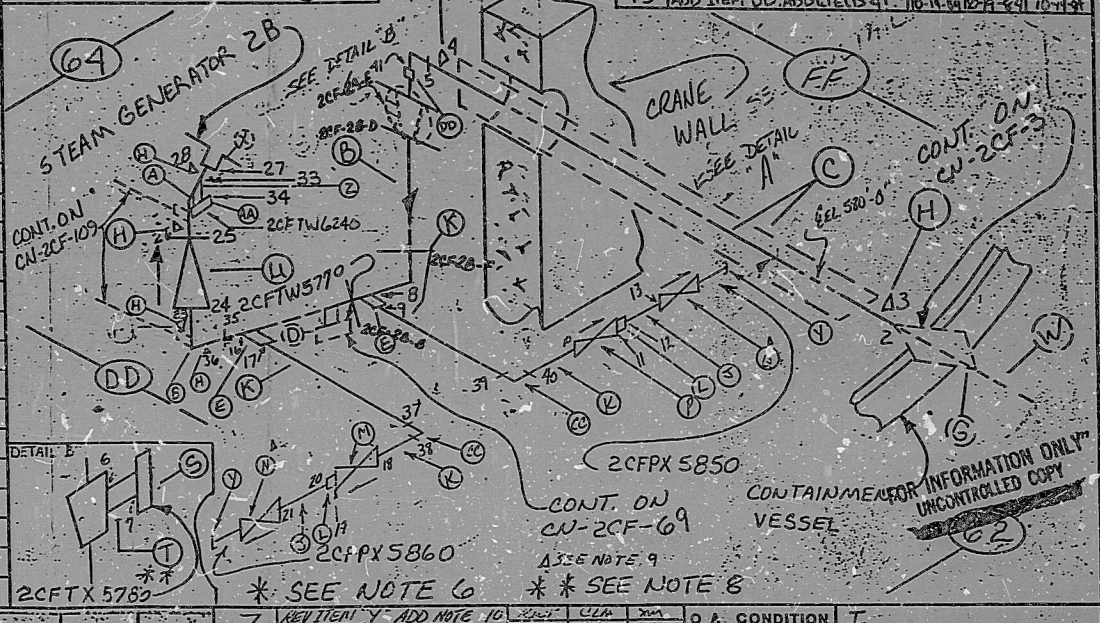
BILL OF MATERIAL									
MAT'L L.D.	QUANTITY	MATERIAL CLASS TYPE	SPECIFICATION QTY GRADE	DESCRIPTION	CONST.	SIZE	SCH.	LOT NO.	
A	1	B	CS	90° ELL - (BW)	SMLS	16"	80	50. #1294-1111	N
B	1	CS		GRINNELL SUPPLIED PIPE & FITTINGS				DN-CW-CF-28	
C	1	CS						DN-CW-CF-38	
D	0	SS		THERMOWELL		1"		20FTW5770	
E	2	B	CS	HAIF CPLG. (SW) FOR		3/4"	2000	EM-1F4198436	I
F	0	CS	SA-105	ALIGNMENT BAR		6"x4"		50 REL 706	
G	0			PENETRATION				2M-2621	
H	5	B	CS	ACCESS HOLE PLUG FOR		1 1/2"			
J	2	B	SS	PIPE	SMLS	1/2"	80	1184A11F08044	
K	2	B	CS	PIPE	SMLS	3/4"	160	1184A11F08044	
L	2	B	SS	RED. INS. SW FOR		3/4"x1/2"	3000	EM-2F4198436	I
M	1	A	SS	VEIS TAGGED (SW)		3/4"		DN-0411-573	
N	1	B	SS	VEIS TAGGED (SW)		1/2"		DN-0411-573	
P	1	A	SS	VEIS TAGGED (SW)		3/4"		DN-0411-573	
Q	1	B	SS	VEIS TAGGED (SW)		1/2"		DN-0411-573	
R	0	B	SS	PIPE CAP SCRD FOR		1/2"	3000	EM-2F4198436	I
S	1	SS		TESTWELL		1"		20FTW5780	
T	1	B	CS	HAIF CPLG. (SW) FOR		1"	1000	EM-1F4198436	I
U	1	B	CS	20CF044 (CK) BW		16"	80	DN-0411-232	
V	0	B	SS	NIPPLE (SW) FOR	SMLS	1/2"	80	1184A11F08044	
W	0	CS		GRINNELL SUPPLIED PIPE & FITTINGS				DN-CW-CF-27	
X	0	CS		STEAM GENERATOR 2B		16"	80		
Y	2	B	SS	CAP (COMP)		1/2"		1120000920N	
Z	1	B	CS	H/CPLG. (S) FOR		1"	3000	EM-1F4198436	I
AA	1	SS		THERMOWELL		1"		DN-20FTW5780	
BB	4	CS	SA105	ALIGNMENT BAR		6"x4"		50 REL 706	
CC	2	B	CS	PIPE	SMLS	3/4"	1600	EM-1F4198436	I
DD	1	CS		NPT PLATE					

8	DELETE 7 JS DEL 10/24/85	CLM	2m
9	REV ITEM Y	2/15/86	2:11-87
10	DEL ITEM F	4/11/87	4:11-87
11	REV ITEM H	4/11/87	4:11-87
12	ADD WELD 35+36	5-4-88	5:4-88

SECTION A-A
PROCESS PIPE WITH RUB PADS



12	REV ITEM A-H	6-1-84	6:1-84
13	ADD ITEM CC	6-1-84	6:1-84
14	REV ITEM Y LOT NO.	6-1-84	6:1-84
15	ADD ITEM DD ADD WELD 41	6-1-84	6:1-84



- NOTES:
- ALL WELD NUMBERS SHALL BE PRECEDED BY 2CF-65
 - LAST WELD NO. 41
 - REF. LAYOUT DWG. CN-2491-CF006 1VN# 41605.44.274
 - LOOP 2CF586, 2CF585, 2CF578, 2CF624
 - REF. FLOW DWG. CN-2541-1.1 (D,E-4)
 - CHECK FOR INSERVICE INSPECTION 1400 PSIA 160°F
 - P.S. 900.7 APPLIES TO GUARD PIPE ONLY
 - WELD NO. 15 NOT USED
 - HAIF COUPLING LOCATED ON EAST SIDE
 - VALVE WITH FACTORY WELDED TUBE ON OUTLET SIDE OF VALVE
 - ALL WELDED JOINTS SHALL BE PRECEDED BY 2CF-65

WELD#	SIZE	SCH.	WELD#	SIZE	SCH.	NO.	REVISION
36	1 1/2"	80					
37	1 1/2"	80					
38	1 1/2"	80					
39	1 1/2"	80					
40	1 1/2"	80					
41	1 1/2"	80					
42	1 1/2"	80					
43	1 1/2"	80					
44	1 1/2"	80					
45	1 1/2"	80					
46	1 1/2"	80					
47	1 1/2"	80					
48	1 1/2"	80					
49	1 1/2"	80					
50	1 1/2"	80					
51	1 1/2"	80					
52	1 1/2"	80					
53	1 1/2"	80					
54	1 1/2"	80					
55	1 1/2"	80					
56	1 1/2"	80					
57	1 1/2"	80					
58	1 1/2"	80					
59	1 1/2"	80					
60	1 1/2"	80					
61	1 1/2"	80					
62	1 1/2"	80					
63	1 1/2"	80					
64	1 1/2"	80					
65	1 1/2"	80					
66	1 1/2"	80					
67	1 1/2"	80					
68	1 1/2"	80					
69	1 1/2"	80					
70	1 1/2"	80					
71	1 1/2"	80					
72	1 1/2"	80					
73	1 1/2"	80					
74	1 1/2"	80					
75	1 1/2"	80					
76	1 1/2"	80					
77	1 1/2"	80					
78	1 1/2"	80					
79	1 1/2"	80					
80	1 1/2"	80					
81	1 1/2"	80					
82	1 1/2"	80					
83	1 1/2"	80					
84	1 1/2"	80					
85	1 1/2"	80					
86	1 1/2"	80					
87	1 1/2"	80					
88	1 1/2"	80					
89	1 1/2"	80					
90	1 1/2"	80					
91	1 1/2"	80					
92	1 1/2"	80					
93	1 1/2"	80					
94	1 1/2"	80					
95	1 1/2"	80					
96	1 1/2"	80					
97	1 1/2"	80					
98	1 1/2"	80					
99	1 1/2"	80					
100	1 1/2"	80					

7	REV ITEM Y ADD NOTE 10	6-1-84	6:1-84
8	ADD WELD 27+28 WELLS	6-1-84	6:1-84
9	ADD WELD 27+28 WELLS	6-1-84	6:1-84
10	ADD WELD 27+28 WELLS	6-1-84	6:1-84
11	REV ITEM A	6-1-84	6:1-84
12	REV ITEM B	6-1-84	6:1-84
13	REV ITEM C	6-1-84	6:1-84
14	REV ITEM D	6-1-84	6:1-84
15	REV ITEM E	6-1-84	6:1-84
16	REV ITEM F	6-1-84	6:1-84
17	REV ITEM G	6-1-84	6:1-84
18	REV ITEM H	6-1-84	6:1-84
19	REV ITEM I	6-1-84	6:1-84
20	REV ITEM J	6-1-84	6:1-84
21	REV ITEM K	6-1-84	6:1-84
22	REV ITEM L	6-1-84	6:1-84
23	REV ITEM M	6-1-84	6:1-84
24	REV ITEM N	6-1-84	6:1-84
25	REV ITEM O	6-1-84	6:1-84
26	REV ITEM P	6-1-84	6:1-84
27	REV ITEM Q	6-1-84	6:1-84
28	REV ITEM R	6-1-84	6:1-84
29	REV ITEM S	6-1-84	6:1-84
30	REV ITEM T	6-1-84	6:1-84
31	REV ITEM U	6-1-84	6:1-84
32	REV ITEM V	6-1-84	6:1-84
33	REV ITEM W	6-1-84	6:1-84
34	REV ITEM X	6-1-84	6:1-84
35	REV ITEM Y	6-1-84	6:1-84
36	REV ITEM Z	6-1-84	6:1-84
37	REV ITEM AA	6-1-84	6:1-84
38	REV ITEM AB	6-1-84	6:1-84
39	REV ITEM AC	6-1-84	6:1-84
40	REV ITEM AD	6-1-84	6:1-84
41	REV ITEM AE	6-1-84	6:1-84
42	REV ITEM AF	6-1-84	6:1-84
43	REV ITEM AG	6-1-84	6:1-84
44	REV ITEM AH	6-1-84	6:1-84
45	REV ITEM AI	6-1-84	6:1-84
46	REV ITEM AJ	6-1-84	6:1-84
47	REV ITEM AK	6-1-84	6:1-84
48	REV ITEM AL	6-1-84	6:1-84
49	REV ITEM AM	6-1-84	6:1-84
50	REV ITEM AN	6-1-84	6:1-84
51	REV ITEM AO	6-1-84	6:1-84
52	REV ITEM AP	6-1-84	6:1-84
53	REV ITEM AQ	6-1-84	6:1-84
54	REV ITEM AR	6-1-84	6:1-84
55	REV ITEM AS	6-1-84	6:1-84
56	REV ITEM AT	6-1-84	6:1-84
57	REV ITEM AU	6-1-84	6:1-84
58	REV ITEM AV	6-1-84	6:1-84
59	REV ITEM AW	6-1-84	6:1-84
60	REV ITEM AX	6-1-84	6:1-84
61	REV ITEM AY	6-1-84	6:1-84
62	REV ITEM AZ	6-1-84	6:1-84
63	REV ITEM BA	6-1-84	6:1-84
64	REV ITEM BB	6-1-84	6:1-84
65	REV ITEM BC	6-1-84	6:1-84
66	REV ITEM BD	6-1-84	6:1-84
67	REV ITEM BE	6-1-84	6:1-84
68	REV ITEM BF	6-1-84	6:1-84
69	REV ITEM BG	6-1-84	6:1-84
70	REV ITEM BH	6-1-84	6:1-84
71	REV ITEM BI	6-1-84	6:1-84
72	REV ITEM BJ	6-1-84	6:1-84
73	REV ITEM BK	6-1-84	6:1-84
74	REV ITEM BL	6-1-84	6:1-84
75	REV ITEM BM	6-1-84	6:1-84
76	REV ITEM BN	6-1-84	6:1-84
77	REV ITEM BO	6-1-84	6:1-84
78	REV ITEM BP	6-1-84	6:1-84

PDR RIDS

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