



QSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG NO. OR ASTM MAT'L.	HEAT NO.
01	1	1	3"	125° CL FLG'D GATE VA.	12GF03RZ	
	2	2	3"	1/4" THK 150° EE GASK		
	3	8	3/4"	1/2" LG. HEX. HD. MACH. BOLT	A-307 GR. B	
	4	8	3/4"	HEAVY HEX. HD. NUTS CL. 1 TOL	A-307 GR. B	
	5	2	1 1/2"	3000° C.S. SW. 90° ELL		
	6	2	1 1/2"	150° R.F. S.W. FLG. (SCH. 80)		
	7	2	1 1/2"	1/4" THK 150° EE GASK		
	8	8	3/4"	1/2" LG. HEX. HD. MACH. BOLT	A-307 GR. B	
	9	8	3/4"	HEAVY HEX. HD. NUTS CL. 2 TOL		
	10	AS	1 1/2"	PIPE (SCH. 80) SMLS C.S.	A-106 GR. B	
	11	2	1"	200° THRD BRONZE GLOBE VA.	Y-100T-23	
	12	2	1"	3000° C.S. THRD PLUG		DELETED
	13	2	1 1/2"	3000° C.S. SW. RED. INSERT		
	14	AS	1"	PIPE (SCH. 80) SMLS C.S.	A-106 GR. B	
	15	2	1 1/2"	3000° C.S. SW. TEE		
	16	2	1"	3000° C.S. THRD CAP		

REVISION RECORD				
NO.	DATE	DRWN/CHK'D	DESCRIPTION	REMARKS
1	12/12/89	GJB/ODM/LB	TO REFLECT AS BUILT COND. FOR REC DC-12-3070. ADDED SUPPORT MARK NO'S & SUPERSEDED HGR 138-2-GNSW-138 (3HT). REVISED H.W. ORIENTATION OF ITEMS 13, FLOW DIAGRAM REF. N/SVENT'S 3/BM TO SUIT.	NO FIELD ACTION REQ'D
			PER REC DC-02-2908 THIS DRAWING ISSUE IS FOR AS-BUILT INFORMATION ONLY ADDED NEW FIELD WELDS.	
			PER INFORMATION ON DWG. M-56R-2-NSW-138-1 REV. 4, DCDR-047, DCDR-243 & FIELD SKETCH FIG. NO. 5.	

- HANGER MARK NO.'S**
- 2-GNSW-R-551
 - 2-GNSW-R-552
 - 2-ANSW-R-552A
 - 2-GNSW-R-553
 - 2-GNSW-R-554
 - 2-GNSW-R-559
 - 2-GNSW-R-560
 - 2-ANSW-R-600

NOTE:
1- USE CRANE 425-A OR GRINNELL 16 3/8 COMPOUND ON ALL THREADED CONNS.

SIZE	QTY	FW
3"	20	6
1 1/2"	2	2
1"	1	-

SUPPORT MARK NUMBERS SHOWN ARE FOR GENERAL AND SEQUENTIAL LOCATION OF SUPPORTS ONLY FOR EXACT LOCATIONS SEE PIPE SUPPORT DETAIL

⊗ INDICATES LOCATION OF PIPE SUPPORT AND SUPPORT DETAIL NUMBER

DESIGN SPEC.		HANGER SEISMIC CLASS		TEST REQUIREMENTS		MATERIAL CLASS	
DCCPM102 QCS		II		N/A		A-21 SPEC 104	
PIPE				FITTINGS		TESTING	
A-33	A-106	A-576	A-312	A-105	A-234	A-182	N/A
STD.	XY	XXY	10	20	30	40	60
			80	100	120	140	160
SMLS				WDD			
				A-403		A-181	
				PRESSURE TEST			
				MED.		PRESS. DURATION	

POUR/ZONE No. 2C10, 2C2, 2C3 FLOW DIAGRAM 2-5114A
REQUIRED COMPLETION DATE _____ O.S.L. 01
FABRICATED BY TUBECO WELD PROCEDURE

NPS DESIGNS INC.
NEW YORK, N.Y.

FABRICATOR NOTE:
FABRICATION MUST CONFORM TO LATEST A.E.P. ARRGT. DWGS.

LIVSEY & COMPANY, INC.
INDIANA & MICHIGAN ELECTRIC CO.
DONALD C. COOK NUCLEAR PLANT

DATE: 7/15/79
DWG. NO. 2-NSW-138
SHEET 1 OF 2

D-45A

2-NSW-138 (Sheet 1 of 2)
Upper Containment Ventilation
Unit 1 Return Line