



SIZE	QUAN.	FW
6"	15	4
4"	6	1
2 1/2"	11	-
1"	2	3

A-14	DESIGN SPEC. DCCPM 103 QCN	DESIGN SPEC. SEE
HANGER SEISMIC CLASS	I	HANGER SEISMIC CLASS DESIGN
TEST REQUIREMENTS QL-4		TEST REQUIREMENTS CODE
WELD PROCEDURE QSL-04	TESTING 100% RT BW	MATERIAL CLASS STAMP
A-21	DESIGN SPEC. DCCPM 102 QCS	DESIGN SPEC. GR. B
HANGER SEISMIC CLASS	II	HANGER SEISMIC CLASS GR. B
TEST REQUIREMENTS QL-N/A		TEST REQUIREMENTS
WELD PROCEDURE QSL-01	TESTING	

PIPE		FITTINGS		TESTING		ADDITIONAL											
A-33	A-106	A-376	A-312	A-105	A-234	A-182	N.D.T. SEE DESIGN CODE STAMP										
STD.	XY	XXY	10	20	30	40	60	80	100	120	140	160	A-403	A-181	PRESSURE TEST		
SMLS	WLD														MED.	PRESS.	DURATION

ISO SHT. NO. 3451						
OSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG No. OR ASTM MATL.	HEAT NO.
01	1	3	2 1/2"	125# CAST IRON FLG'D. GATE VA.	126F25R2	
	2	9	2 1/2"	150# COMP. ASBESTOS RUBBER BONDED FULL FACE GSKT. 1/16" THK		
	3	36	3/8"	3" LG. HEX. HD MACH. BOLT.	A307, GR B	
	4	36	3/8"	HEAVY HEX NUT CLASS 2 TOL.	"	
	5	AS REQD	1"	PIPE (SCH. 80) SMLS C.S.	A-106, GR. B	
	6	1	1"	150# THRD GATE VA BRASS OR BRASS	Y-100-G-22	
	7	2	1"	3000# C.S. THRD CAP	A-181 GR. 2 OR II	
	8	1	1"	200# THD. BRASS OR BRONZE	Y-100T23	
				GLOBE VALVE		
	9	1	1"	3000# 9/16 S.W. H. CPLG.	A-181 GR. 2 OR II	

REVISION RECORD				
NO.	DATE	BY / CR	DESCRIPTION	REMARKS
1	8/30/79	J.C. / T.T.	ADDED 1-6 3/8" DIA., DETAIL "B", 1" S.W. H. CPLG., ITEMS 8 & 9 IN B.M., P.C. MK. 2-NSW-196-L4. QTY. IN ITEM 7 WAS 1. PER ARRGT. DWG. 2-5692 REV. 3	FIELD ACTION REQ.

NOTES:  
 1. USE CRANE 425A COMPOUND OR GRINNELL 1698 ON ALL THRD. CONN.'S  
 2. FIELD WELDS REFERENCE TO THIS NOTE ARE TO BE MADE AFTER PIPE IS CUT, PRE-ALIGNED & ENDS HAVE BEEN PREPARED FOR WELDING TO SUIT AS BUILT CPN.  
 3. SPOOL TO BE FABRICATED WITH 6" EXTRA PIPE & PLAIN END TO FACILITATE INSTALLATION.

SITE FAB. PIECE MARKS  
 2-NSW-196-L3  
 2-NSW-196-L4

D-12C  
 2-NSW-196 (Sheet 3 of 3)  
 Lower Containment Ventilation  
 Unit 1 Return Line

POUR/ZONE No. 2CG	FLOW DIAGRAM 2-5119A
REQUIRED COMPLETION DATE	Q.S.L. SEE DESIGN
FABRICATED BY TUBECO	WELD PROCEDURE CODE STAMP
NPS DESIGNS INC. NEW YORK, N.Y.	LIVSEY & COMPANY, INC. INDIANA & MICHIGAN ELECTRIC CO. DONALD C. COOK NUCLEAR PLANT
FABRICATOR NOTE: FABRICATION MUST CONFORM TO LATEST A.E.P. ARRGT. DWGS.	L.A.W. M.P. DATE: 8/24/79 C.K.D. DATE: 8/27/79 ISSUED REF. DWG. 2-5692, 2-5694A
	CONTAIN. BLDG. #2 DWG. NO. 2-NSW-196 SH 3 OF 3