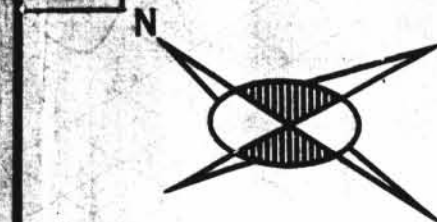


TOTAL
FW
18



SIZE	QUANT.	FW
3"	20	8
1"	—	2
1/2"	4	7

NOTES:

- USE CRANE 425-A COMPOUND ON ALL THRD CONN.
- BUTT WELD FWS ARE RT-100% SOCKET WELD FWS ARE MT/PT-100%
- WELD PROCEDURE AS FOLLOWS:
2" & UNDER - CS-1 OR CS-6
2 1/2" & OVER - CS-1 OR CS-2.
- FABRICATOR TO MAKE THIS END OF SPOOL 6" LONGER WITH PLAIN END TO FACILITATE INSTALLATION.
- FWS PERTAINING TO THIS NOTE ARE TO BE MADE AFTER PIPE IS PRE-ALIGNED & ENDS HAVE BEEN PREPARED FOR WELDING TO SUIT AS-BUILT CPN
- PROVIDE BI-METALLIC WELDS (STAINLESS STEEL-CARBON STEEL)
- REMOVE BONNET ASSEMBLY BEFORE WELDING VALVE BODY TO PIPE LINE

SIZE	QUANT.	FW
3"	20	8
1"	—	2
1/2"	4	7

INDICATES LOCATION OF PIPE SUPPORT AND SUPPORT DETAIL NUMBER

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

P.O.# PIECE MARK
2-NSW-105-6 2-NSW-105-9

SITE FAB. PIECE MARK
2-NSW-105-L4
-L5

DESIGN SPEC. DCCPM 1090CN
HANGER SEISMIC CLASS I
TEST REQUIREMENTS Q1-4
WELD PROCEDURE
QSL-04 TESTING SEE NOTE #2
A-16 DESIGN SPEC. DCCPM 1090CN
HANGER SEISMIC CLASS I
TEST REQUIREMENTS Q1-4
WELD PROCEDURE SEE NOTE 3
QSL-04 TESTING SEE NOTE 2
A-21 DESIGN SPEC. DCCPM 1090CN
HANGER SEISMIC CLASS I
TEST REQUIREMENTS Q1-4
WELD PROCEDURE SEE NOTE 3
QSL-01 TESTING N/A

SUPPORT MARK NOS.
2-GNSW-L76
2-GNSW-L77
2-GNSW-L78

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HANGER SEISMIC CLASS	DESIGN
TEST REQUIREMENTS	CODE
MATERIAL CLASS	STAMP
PIPE	
A-33	A-106 A-376 A-312
STD.	XY XZY 10 20 30 40 50 60 80 100 120 140 160
SMLS	WELD

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2NSW-105 (sheet 2 of 2)
Upper Containment Ventilation
Unit 3 Supply Line

POUR/ZONE No. 1/5
REQUIRED COMPLETION DATE
FABRICATED BY TUBCO

FLOW DIAGRAM 2-51/4
Q.S.L. SEE DESIGN
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.

CDN: GN DATE: 1-6-72 DWG. NO. 2-NSW-105
ISSUED SH. 2 OF 2
REF. DWG. 2-5497

ISO SHT. NO. 2007	QSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG NO. OR ASTM MAT'L.	HEAT NO.
	04	1	1	3"	B.W. DIAPH. CONTROL VA. S.S.	WCR-929	
		2	1	1/2"	600# C.S. S.W. GATE VALVE	Y050G36	
		3	1	1/2"	3000# C.S. THRD. CAP	A-181 GR. 1 OR II	
		4	1	1/2"	PIPE (SCH. 80) SMLS. C.S.	A-106 GR. B	
	01	5	2	1/2"	200# THRD. GLOBE VA. S.S.	Y050T23	
		6	1	1/2"	PIPE (SCH. 80) SMLS. C.S.	A-106 GR. B	
	04	7	1	1/2"	3000# THRD. PLUG, C.S.	A-181 GR. 1 OR II	
		8	1	1"	600# S.W. GLOBE VA., CARB. STL.	Y-100T36	
		9	1	1/2"	90° ELL, 3000# S.W. C.S.	A-181 GR. 1 OR II	
	01	10	1	1"			
		11	1	1/2"	600# GLOBE VA., S.W. C.S.	Y050T36	
		12	1	1"	PIPE (SCH. 40) SMLS., C.S.	A-106 GR. B	
	04	16	15	1/2"	PIPE SCH 40S SMLS	A-312 GR. TP-304	
		17	1	3"	B.W. DIAPH. CONTROL VA. S.S.	WCR-928	
		18	1	3/4"	3000# THRD. PLUG, C.S.	A-181 GR. 1 OR II	
		19	1	1 1/2"	3000# 1" S.W. X 3/4" THRD. RED. INSERT, C.S.		

REVISION RECORD			
NO.	DATE	DESCRIPTION	REMARKS
1	10/23/76	DR REVISED BY AEP DESIGN: PER RFC-12-671: REV'D; ITEM #2 Y-050G36 WAS CY-050G36 ADDED; 3" CHECK VALVE CISC03A; (2) 1" VENTS - VALVE NO. Y-100T23, 1/2" DRAIN VALVE NO. Y-050G36.	ACTION REQ'D.
2	12-3/76	DR AS PER RFC-12-1430 DELETED PIPING B/M.	
3	3/17/78	DR AS PER RFC-12-1430 DELETED VALVE TAG NO. CISC03A; ADDED VALVE TAG NO. CISC03A & ITEMS 12 THRU 15 AND REMOVED ALTIMET PIPING	FIELD ACTION REQ'D
4	7/11/78	DR PER RFC-DC-PL-2549 ADDED PIPE SPEC. G-14, DIM'S, PC-MZ, 849, FIELD WELD BPM, NOTES G & 7, 14, 18 TO 23, FSW 24 & 25 ITEMS 16, 17 TO 24, DELETED ITEMS NO 7, 12 AS FROM B/M. REVISED ITEM NO. 1 IN DIM/MODIFIED P/NK. L5, 2-NSW-105-S.	FIELD ACTION REQ'D
5	10/14/78	DR PER RFC-DC-12-2549 ROTATED ACTUATOR OF VALVE WGR-923 TO 90°/90° TOWARD NORTH-EAST; REVISED ITEM 5 IN NW; Y-050T56 WAS Y-050T72.	FIELD ACTION REQ'D
6	10/14/78	DR PER RFC-DC-12-2549 RELOCATED TEST CONN. BOXED DIMENSION INDICATES FIELD INFO. ADDED PLUG TO ITEM 8 & 9H.	FIELD ACTION REQ'D
7	10/14/78	DR PER RFC-DC-12-2549 ADDED RED. INSERT, ITEM 19, & PLUG, ITEM 19, TO VALVE, ITEM 8. ITEM 8 WAS Y-100T23 & ITEM 19 WAS 1".	NO ACTION REQ'D.
8	7/12/79	DR TO REFLECT AS-FOUND CONDITIONS FOR RFC-DC-12-3010 PER FWR #759 REV. 1; ADDED: DIMS: REVISED: LOCATION OF 1" VENT, 1/2" DRAIN FROM PLUG TO CAP & B/M TO SUIT. ADDED: SUPPORT MARK NOS. & SUPERSEDES HGR. ISO. NO. 2-GNSW-105 SH. # 2.	NO FIELD ACTION REQ'D.