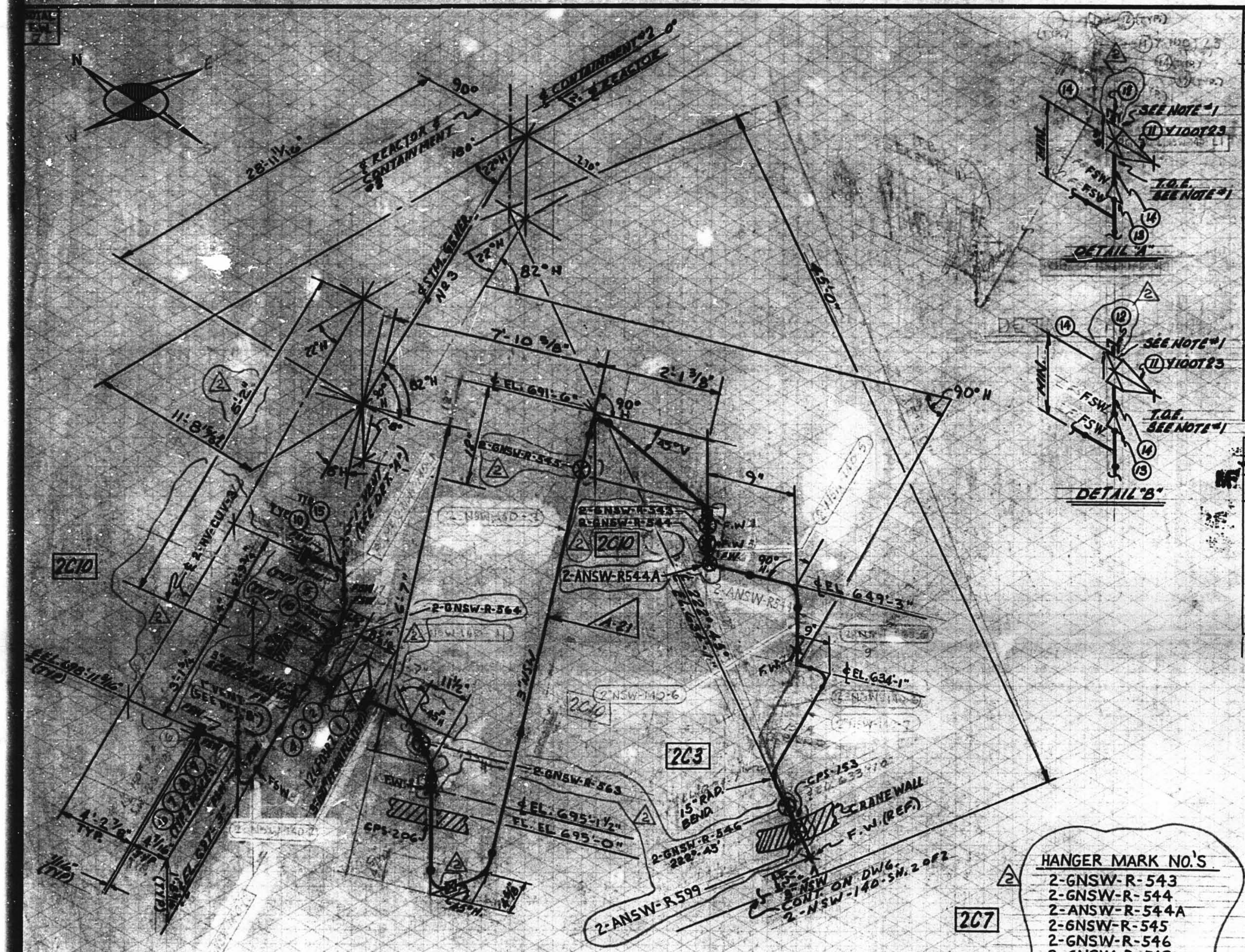
ISO SHT. NO. 3419



QSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
01	1	1	3"	125# C.I. FLG'D GATE VA.	126F03RT	
	2	2	3"	1/16" THK. 150# F.F. GASK. - COMP. ASBESTOS RUBBER BONDED		
	3	8	5/8"	x3" LG. HEX. HD. MACH. BOLT CL.2 TOL.	A-307 GR. B	
	4	8	5/8"	HEAVY HEX. HD. NUTS CL 2 TOL	A-307 GR. B	
	5	2	1 1/2"	3000# C.S. S.W. 90° ELL	A-181 or A-105 GR. I OR II	
	6	2	1 1/2"	150# R.F. SW. FLG. (SCH. 80)	}	
	7	2	1 1/2"	1/16" THK 150# F.F. GASK COMP. ASBESTOS RUBBER BONDED		
	8	8	1/2"	x2 1/4" LG. HEX. HD. MACH. BOLT CL.2 TOL.	A-307 GR. B	
	9	8	1/2"	HEAVY HEX. HD NUTS CL 2 TOL	}	
	10	AS REQ'D	1 1/2"	PIPE (SCH. 80) SMLS. C.S.	A-106 GR. B	
	11	2	1"	200# TH'D BRONZE GLOBE VA.	Y-100T23	
	12	2	1"	3000# C.S. THD CAP	A-181 or A-105 GR. I OR II	
	13	2	1 1/2"x1"	3000# C.S. SW. RED. INSERT	}	
	14	AS REQ'D	1"	PIPE (SCH. 80) SMLS C.S.	A-106 GR. B.	
	15	2	1 1/2"	3000# C.S. SW. TEE	A-181 or A-105 GR. I OR II	

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REVISION RECORD

NO.	DATE	DRN/CHK	DESCRIPTION	REMARKS
1	11/12/76	BC / ED	REV. PER. MC-0143	FIELD ACTION REQ'D
2		BC / LB	TO REFLECT AS BUILT COND. FOR RFC DC 12-2876: ADDED SUPPORT MARK NO. & SUPERSEDED HANGER ISO 2-GNSW-140 (SHT 1): REVISED DIM. RAW ORIENT OF ITEM 13 FLOW DIAGRAM REF No.	
2	12/29/89	GJB / DDM / LB	PER RFC DC-02-2908 THIS DRAWING OR ISSUE IS FOR AS-BUILT INFORMATION ONLY. ADDED: NEW FIELD WELDS PER INFORMATION ON DWG. M-SGR-2-NSW-140-1 REV. 4, DCDR-047, DCDR-243 & FIELD SKETCH FIG. 30.	NO FIELD ACTION REQ'D.

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HANGER MARK NO.'S
- 2-GNSW-R-543
- 2-GNSW-R-544
- 2-ANSW-R-544A
- 2-GNSW-R-545
- 2-GNSW-R-546
- 2-GNSW-R-563
- 2-GNSW-R-564
- 2-ANSW-R-599

NOTES:
1. USE CRANE 425-A OR GRINNELL 1698 COMPOUND ON ALL THREADED CONN'S.

D-43A

2-NSW-140 (Sheet 1 of 2)
Upper Containment Ventilation
Unit 3 Return Line

SIZE	QUAN.	FW
3"	87'	5
1 1/2"	79'	2
1"	1'	-

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⊗ 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

DESIGN SPEC.	DCCPM102QCS
HANGER SEISMIC CLASS	II
TEST REQUIREMENTS	N/A
MATERIAL CLASS	A-21 SPEC. 104

W.P. = WORKING POINT
T.O.E. = THREAD ONE END
T.B.E. = THREAD BOTH ENDS
B.O.E. = BEVEL ONE END
T.O.P. = TOP OF PIPE ELEV
Q.S.L. = MATERIAL QUALITY REQUIREMENTS
T.L. = TRUE LENGTH
B.B.E. = BEVEL BOTH ENDS
P.O.E. = PLAIN ONE END
P.B.E. = PLAIN BOTH ENDS
S.O.E. = SHAPE ONE END
B.O.P. = BOTTOM OF PIPE ELEV.
FW = FIELD WELD
H = HORIZONTAL
V = VERTICAL
SW = SHOP WELD
FSW = FIELD SHOP WELD
⊗ = FIELD WELD
⊙ = AUTOMATIC SHOP WELD
⊙ = MANUAL SHOP WELD
⊙ = VERIFY DIMENSION IN FIELD

PIPE				FITTINGS			TESTING				ADDITIONAL
A-53	A-106	A-376	A-312	A-105	A-234	A-182	N.D.T.	N/A			
	GR. B						M.T.	P.T.	R.T.	U.T.	
STD. / XY / XXY / 10 / 20 / 30 / 40 (X) / 60 / 80 / 100 / 120 / 140 / 160				A-403	A-181		PRESSURE TEST				
SMLS (X)	WLDD						MED.	PRESS.	DURATION		

POUR/ZONE No. 2C3, 2C7, 2C10 FLOW DIAGRAM 2-5114-A
REQUIRED COMPLETION DATE ____ Q.S.L. 01
FABRICATED BY TUBECO WELD PROCEDURE ____

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.

DWN: A.J.C.	DATE: 7/16/73	CONTAINMENT BLDG.
CKD: G.D.	DATE: 4/29/73	DWG. NO. 2-NSW-140 — REV. 2
ISSUED		
REF. DWG. 2-5389-A, 2-5744		SH. # 1 OF 2