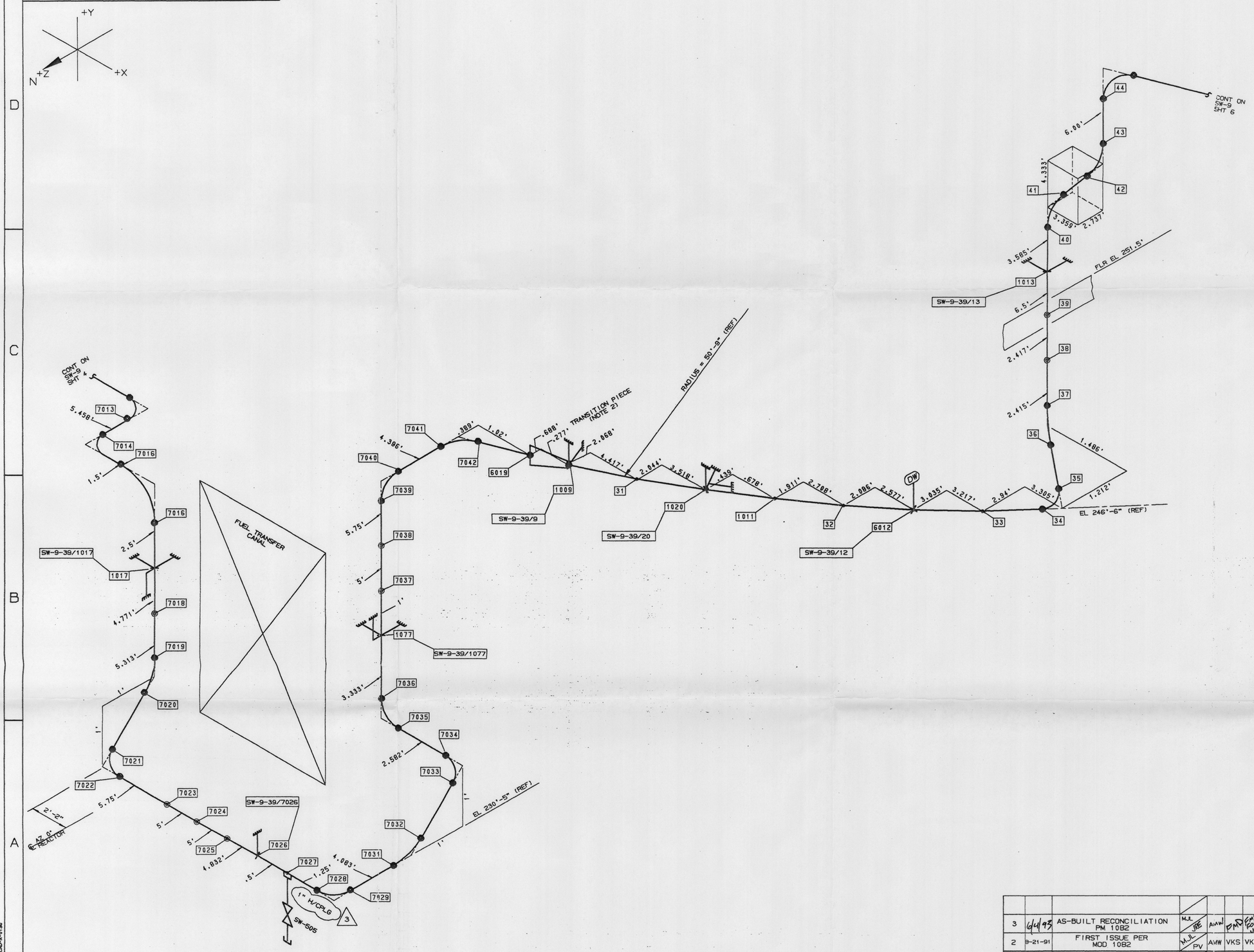
DWG. NO. SW-9 SHT 5



TYPE OF ANALYSIS

■ SEISMIC ☐ NON-SEISMIC ■ B31.1 ☐ ASME

PIPE PROPERTIES

LINE NO.	LINE SPEC	O.D.	THK	MATERIAL	INSUL THK	OPER TEMP	DES PRESS	DES TEMP
6CW-39	M027	6.625	.240	AL6XN	1"	105	150	250
6CW-39	M027	6.625	.134	AL6XN	1"	105	150	250

VALVE PROPERTIES

VALVE NO.	SIZE	VALVE WEIGHT	OPERATOR WT	OPERATOR C.G.
SW-505	3/4"			

ANCHOR MOVEMENTS

NODE NO.	MOVEMENTS	OPERATING CONDITIONS		
NA	ΔX ΔY ΔZ			
	SOURCE			

REFERENCE DOCUMENTS

FLOW DIAG. G-190199 SHTS 1,4 REV 39,40
PIPE DWG SK-1082-M-2001,2002,2003 G-190225 SHTS 3,4,5 REV 0 1,1,0
STRESS CALC SW-9-7109B REV 7
RESPONSE SPECTRA REACTOR CONT BLDG EL 289
REACTOR INNER STRUCT EL 232.5,248,272.5

NOTES & REFERENCES

1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE GIVEN TO CENTERLINE OF TEES AND ELBOWS.
2. TRANSITION PIECE IS 6" SCH 10S TO 6" (t = .24").
3. AL6XN MATERIAL IS:
   6" SCH 10S — PIPE ASTM B-688, FABR ASTM A358 CL 2 FITTINGS ASTM B-366 CL WP-S OR WP-W
   6" (t = .24") — PIPE ASTM B-688, FABR ASTM A358 CL2 FITTINGS ASTM B-366 CL WP-S OR WP-W ELBOWS t = .268"
4. PIPING BETWEEN TRANSITION PIECES (INCLUSIVE) WAS REPLACED BY MOD 1082. ALL OTHER PIPING EXCEPT AT PENETRATION ASSEMBLY WAS REPLACED BY PLANT MOD 858 REV. 1.

APERTURE CARD

NOTE: THIS DRAWING SUPERSEDES ISO SW-9 SHT'S 5-8 REV. 1 AND ISO SW-9P SHT'S 5-8 REV. 0.

SUPPORT LEGEND

RIGID, SNUBBER, ANCHOR, SPRING, AXIAL, DW SUPPORT

INFO ONLY

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NUCLEAR SAFETY RELATED (Q-LIST)
YES ■ NO ☐ PARTIAL ☐ F.P.-Q ☐ R.W.-Q ☐

REV	DATE	DESCRIPTION	DWN / CHK	RE	DPE	DPPE	LE
3	6/4/93	AS-BUILT RECONCILIATION PM 1082	MJL / JRE	AMW	FMD	FMD FOR VKS	
2	9-21-91	FIRST ISSUE PER MOD 1082	MJL / PV	AMW	VKS	VKS	

CAROLINA POWER & LIGHT COMPANY
NUCLEAR ENGINEERING DEPARTMENT - RALEIGH, N.C.
CP&L

PLANT: ROBINSON NUCLEAR PLANT UNIT 2
SCALE NTS
TITLE: REACTOR CONTAINMENT BUILDING SERVICE WATER FROM HVH-4 STRESS ISOMETRIC
DWG NO. SW-9
SHT 5 OF 6 REV 3

SW-9-7109B REV. 7 PG. 66

FORM: SK-CAD-A-0130

RNP-SW9-7109B SHT 3

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