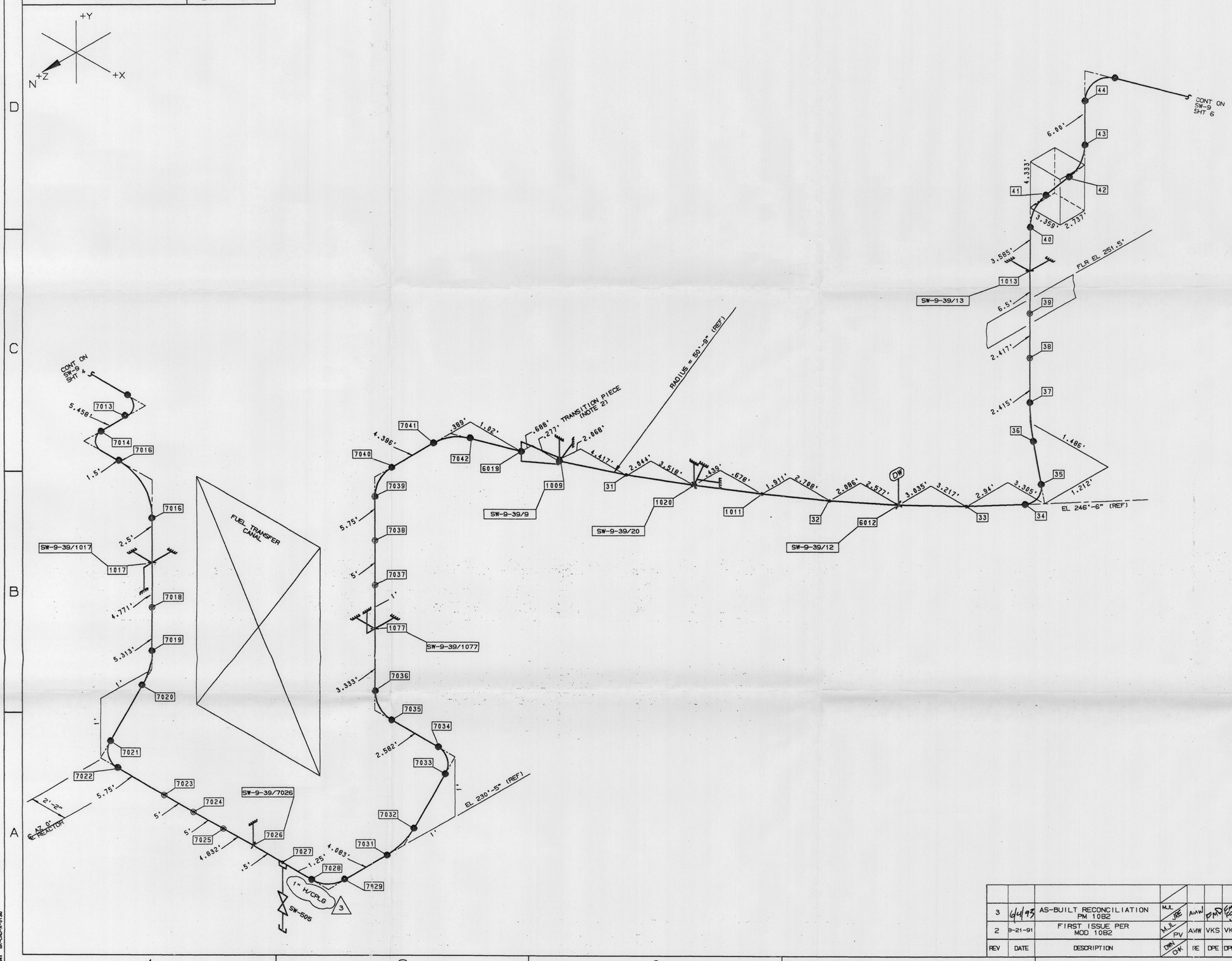
DWG. NO. SW-9 SHT 5



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	ALGXN	1"	105	150	250
6CW-39	M027	6.625	.134	ALGXN	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 0 (3)
PIPE DWG SK-10B2-M-2001,2002,2003 G-190225 SHTS 3,4,5 REV 1,1,0
STRESS CALC SW-9-71098 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. ALGXN 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. (3)

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

THIS DRAWING IS A PRODUCT OF THE NED CAD/E SYSTEM. ANY PERSONNEL REVISING THIS DOCUMENT SHOULD ENSURE THAT SUCH CHANGES ARE INCORPORATED INTO THE ELECTRONIC DRAWING DATABASE BEFORE FINAL APPROVAL. CONTACT THE APPROPRIATE NED DISCIPLINE IF THERE ARE ANY QUESTIONS.

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

REV	DATE	DESCRIPTION	DWN	CHK				
3	6/4/93	AS-BUILT RECONCILIATION PM 1082	MJL	JRE	AMW	DMP	DMP	LE
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

FORM: RX-CAD-A-0130

RNP-SW9-71098 SHT 3

9903030269