



TYPE OF ANALYSIS									
<input checked="" type="checkbox"/> SEISMIC		<input type="checkbox"/> NON-SEISMIC		<input checked="" type="checkbox"/> B31.1		<input type="checkbox"/> ASME			
PIPE PROPERTIES									
LINE NO.	LINE SPEC	O.D.	THK	MATERIAL	INSUL THK	OPER TEMP	DES PRESS	DES TEMP	
6CW-39	M027	6.625	.134	AL6XN	1"	105	150	250	
6CW-39	M027	6.625	.240	AL6XN	1"	105	150	250	
NODE 1111 TO 109		-	6.625	.134	SA312-304	1"	105	150	250
NODE 115 TO 116		-	6.625	.134	SA312-304	1"	105	150	250
NODE 110 TO 114		-	6.625	.334	SS	-	105	150	250
NODE 114 TO 117		-	6.625	.334	SS	-	105	150	250
VALVE PROPERTIES									
VALVE NO.	SIZE	VALVE WEIGHT	OPERATOR						
			WT	C.G.					
ANCHOR MOVEMENTS									
NODE NO.	MOVEMENTS	OPERATING CONDITIONS							
NA	Δ X Δ Y Δ Z								
	SOURCE								
REFERENCE DOCUMENTS									
FLOW DIAG.	6-190199 SHTS 1,4	REV	39,40						
PIPE DWG	SK-1082-M-2001,2002,2003	REV	0						
	6-190225 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**
- UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE GIVEN TO CENTERLINE OF TEES AND ELBOWS.
 - SUPPORT AT NODE 116 IS FOR ANALYTICAL PURPOSES ONLY.
 - TRANSITION PIECE IS 6" SCH 10S TO 6" (t = .24").
 - AL6XN MATERIAL IS:
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 CL 2
FITTINGS ASTM B-366 CL WP-S OR WP-W
ELBOWS t = .268"
 - PIPING BETWEEN TRANSITION PIECES (INCLUSIVE) WAS REPLACED BY MOD 1082. ALL OTHER PIPE EXCEPT AT PENETRATION ASSEMBLY WAS REPLACED BY PLANT MOD 858 REV. 1.
- 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

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

CAROLINA POWER & LIGHT COMPANY		CP&L	
NUCLEAR ENGINEERING DEPARTMENT - RALEIGH, N.C.			
PLANT: ROBINSON NUCLEAR PLANT UNIT 2		SCALE: NTS	
TITLE: REACTOR CONTAINMENT BUILDING SERVICE WATER FROM HVH-4 STRESS ISOMETRIC		DWG NO. SW-9	
		SHT 4 OF 6 REV 3	

REV	DATE	DESCRIPTION	CHK	APP	DATE	BY	CHK	APP	DATE
3	01/14/93	AS-BUILT RECONCILIATION FM 1082	M.J.L.	AWM					
2	9-21-91	FIRST ISSUE PER MOD 1082	M.J.L.	AWM		VKS	VKS		

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