



NOTES:

1. Waive Slope Requirements
2. Fittings, tubings, and valves designated on this detail by classification 1s of the Fittings Classification List are safety class. Substitutes from other classifications are not permitted.
3. Locate Exp. Coil between the root valve and first support bracket.
4. Root valve stems are to be field oriented.
5. Use a 6000# full coupling at the outlet of the H.P. tap of 2NVPT5200, 2NVPT5210, 2NVPT5220 & 2NVPT5230. P.S. 2501.2 is the Piping Specification that applies at the outlet of the full coupling on the H.P. leg.

NUCLEAR SAFETY RELATED EXCLUSIONS

1. **Fittings, Tubings, Piping, & Valves** (Not part of a Safety Related Piping System, Etc.)
 - a) NONE
2. **Instruments** (Do not serve a Safety Function)
 - a) 2NVPT5200
 - b) 2NVPT5210
 - c) 2NVPT5220
 - d) 2NVPT5230

THE FOLLOWING ROOT VALVE INSTALLATIONS ARE ACCEPTABLE:

INSTRUMENTS	TAP TO ELBOW	TAP TO 1st ROOT VALVE	ELBOW TO 1st ROOT VALVE	1st ROOT VALVE TO 2nd ROOT VALVE	1st ROOT TO ELBOW	ELBOW TO 2nd ROOT VALVE
2NVPT5200 HP	5 1/2"	N/A	4 5/8"	4 1/2"	N/A	N/A
2NVPT5200 LP	N/A	6"	N/A	4 1/2"	N/A	N/A
2NVPT5210 HP	N/A	5 1/2"	N/A	4 1/2"	N/A	N/A
2NVPT5210 LP	N/A	5 7/8"	N/A	4 1/2"	N/A	N/A
2NVPT5220 HP	N/A	5 1/2"	N/A	4 1/2"	N/A	N/A
2NVPT5220 LP	N/A	5 1/2"	N/A	4 1/2"	3"	N/A
2NVPT5230 HP	N/A	5 1/2"	N/A	4 1/2"	N/A	N/A
2NVPT5230 LP	N/A	5 1/2"	N/A	4 1/2"	N/A	N/A

AS-BUILT
DATE 7-14-81

QA CONDITION 1
NUCLEAR SAFETY RELATED

FUNCTIONAL DESCRIPTION: (FOR RCP 'D,' APPLIES TO OTHERS)

2NVPT5200 MONITORS THE RCP #1 SEAL DIFFERENTIAL PRESSURE & SUPPLIES AS INPUT TO THE PROCESS CONTROL CABINETS. FROM THESE CABINETS A SIGNAL IS SENT TO 2NVP5200 (CONTROL BOARD INDICATOR) AND 2NVP5201 (LOCAL INDICATOR).

(Except as Excluded Above)

				DUKE POWER COMPANY			
				MCGUIRE NUCLEAR STATION UNIT 2			
				INSTRUMENT DETAILS			
				RCP-#1 SEAL DIFFERENTIAL PRESSURE			
7	REVISED AS NOTED	ADD	4/8/81	N/R	ADD	N/R	
6	ADDED STAMP & AS NOTED	ADD	11/5/81	N/R	ADD	N/R	
5	REV. NOTE 1	ADD	4/26/81	N/R	ADD	N/R	
4	Added Note 5	ADD	4/1/81	N/R	ADD	N/R	
3	Added Note 4 & As noted	CPT	6/25/81	N/R	ADD	N/R	
2	REV. AS NOTED	CPT	2/27/81	N/R	ADD	N/R	
1	Rel. for Construction	CWB	10/17/80	N/R	ADD	N/R	
ORIG.	PRELIMINARY	JAL	8/14/80	N/R	ADD	N/R	
NO.	REVISIONS	CHKD	APPR	DATE	CIVIL	INSTR.	MECH.

REV. 5 AS PER VN # 23300
P. 1 & 2 OF VN # 21069

DESIGNER: C. W. B. DATE: 6-1-81
DRAWN: J. A. L. DATE: 11-5-81
CHECKED: J. A. L. DATE: 11-7-81

FOR INFORMATION ONLY

CL. 2 HYDRO

SHT 3

SI APERTURE CARD

8904030224

PDR RIDS

