



- NOTES:
1. SLOPE THE LINE DOWNWARD FROM PROCESS TAP TO INSTRUMENT A MINIMUM OF 1/4" PER FOOT.
 2. THIS IS NOT A SAFETY CLASS INSTRUMENT INSTALLATION, BUT IT WILL REQUIRE MATERIALS UNDER CLASSIFICATION IS. THIS IS A UNIQUE INSTALLATION IN THAT THE INSTRUMENT PIPING WILL SEE REACTOR COOLANT TEMPERATURE & PRESSURE BUT IS NOT CLASSIFIED SAFETY CLASS. FOR THIS REASON, IS VALVES, FITTINGS, ETC., WILL BE USED, RATHER THAN HAVING TO PURCHASE NON-SAFETY CLASS MATERIALS TO MEET THE REQUIRED TEMPERATURE AND PRESSURE.
 3. LOCATE EXP. COIL BETWEEN THE LAST ROOT VALVE AND THE FIRST SUPPORT BRACKET.

FUNCTIONAL DESCRIPTION:
 2NIP65200 AND 2NIP6520. MONITOR THE HIGH RANGE AND LOW RANGE FLOW THROUGH THE SAFETY INJECTION TEST LINE & PROVIDE LOCAL INDICATION. BESIDES BEING USED TO CHECK THE SAFETY INJECTION PUMPS, IT IS USED TO CHECK LEAKAGE THROUGH THE CHECK VALVES USED TO SEPARATE THE RCS AND THE SIS. 2NIFT5200 PROVIDES A SIGNAL TO 2NIP5200 FOR INDICATION ON THE 767'-0" AUX. BLDG. CHECK VALVE TEST CONTROL PANEL.

| NO. | REVISIONS | CHKD | APPR | DATE | CIVL | ELSC | MECH | INSPECTED |
|-----|------------------|------|------|------|------|------|------|-----------|
| 2 | REVISED AS NOTED | | | | | | | |
| 1 | Rel. for Constr. | | | | | | | |
| | PRELIMINARY | | | | | | | |

DUKE POWER COMPANY
 MCGUIRE NUCLEAR STATION UNIT 2

INSTRUMENT DETAILS
 SAFETY INJECTION TEST
 LINE FLOW

DESIGNER: *J. C. ...* DATE: *...* INSP: *...* DATE: *...*
 DRAWN: *...* DATE: *...* INSP: *...* DATE: *...*
 CHECKED: *...* DATE: *...* APPR: *...* DATE: *...*

SCALE: DWG. NO. MC-2493-N19 REV 2

FOR INFORMATION ONLY

CL. 2. HYSRO SH13

SI
 APERTURE
 CARD

89044327

PDR RIDS

