



- REFERENCES:**
- FSK-22-23
 - 2CPS-125
 - ESK-7CPS04
 - LSK-22-23A
 - 0007.159-451-293
 - 0007.520-001-589
 - 0007.520-001-589
 - 0007.520-001-655
 - 0007.520-001-648
 - EE-3L
 - EE-3AJ
 - EE-3BE
 - EE-11EG
 - EE-4L
 - EE-11EH
 - 0007.510-414-128
 - E4DCR P02-195

120VAC NNC502

120VAC NNC503

NOTE 4

NOTE 5

FROM NITROGEN SYSTEM

REQUIRES PR 1032 RESOLUTION

REACTOR BLDG

- NOTES:**
1. FOR INFORMATION ONLY-NOT TO BE USED FOR CONSTRUCTION.
 2. ALL INSTRUMENT AND EQUIPMENT NUMBERS ARE TO BE PREFIXED WITH "2CPS" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN.
 3. LOOP ACTION: SOV-125 ENERGIZES TO ALLOW PRIMARY CONTAINMENT NITROGEN INLET FLOW VALVE FV-125 TO MODULATE WHEN SWITCH 1-2CPSN02 (PRIMARY CONTAINMENT NITROGEN INLET FLOW CONTROL VALVE FV-125) IS PLACED IN THE MODULATE POSITION AND PRIMARY CONTAINMENT PRESSURE IS NOT HIGH, OR IF PRIMARY CONTAINMENT PRESSURE IS HIGH AND 1-2CPSN02 IS IN OVERRIDE, FV-125 IS POSITIONED BY HIC-125 VIA FY-125, E/I-125 AND I/P-125 TO MAINTAIN PRESSURE IN PRIMARY CONTAINMENT.
 4. CONTACT OPENS WHEN VALVE IS FULLY OPEN.
 5. CONTACT OPENS WHEN VALVE IS FULLY CLOSED.
 6. CONTACT 1T CLOSES IN MODULATE OR OVERRIDE POSITION CONTACT 2B CLOSES IN OVERRIDE POSITION.
 7. CONTACT OPENS (63P-2CPSN02 ENERGIZED) ON HIGH PRIMARY CONTAINMENT PRESSURE. (SEE TL2CPS-141).

8. CONTACT CLOSES (3X-2CPSN02 IN OPERATE) IF PRIMARY CONTAINMENT PRESSURE IS HIGH AND 1-2CPSN02 IS IN OVERRIDE. CONTACT OPENS (3X-2CPSN02 RELEASED) WHEN PRIMARY CONTAINMENT PRESSURE RETURNS TO NORMAL.
9. 120VAC FROM 2SCI-PNLA101 CKT#17.

DATE	DATE	DATE	M	DATE	DATE
4	3	2	1	0	0
PREPARED	PREPARED	PREPARED	APPROVED	PREPARED	PREPARED
APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED

SI APERTURE CARD

TEST LOOP DIAGRAM
 PRIMARY CONTAINMENT INLET NITROGEN FLOW
 2CPS-FV-125
 NINE MILE POINT NUCLEAR STATION-UNIT 2
 NIAGARA MOHAWK POWER CORPORATION
 STONE & WEBSTER ENGINEERING CORPORATION



12177-TL2CPS-017

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