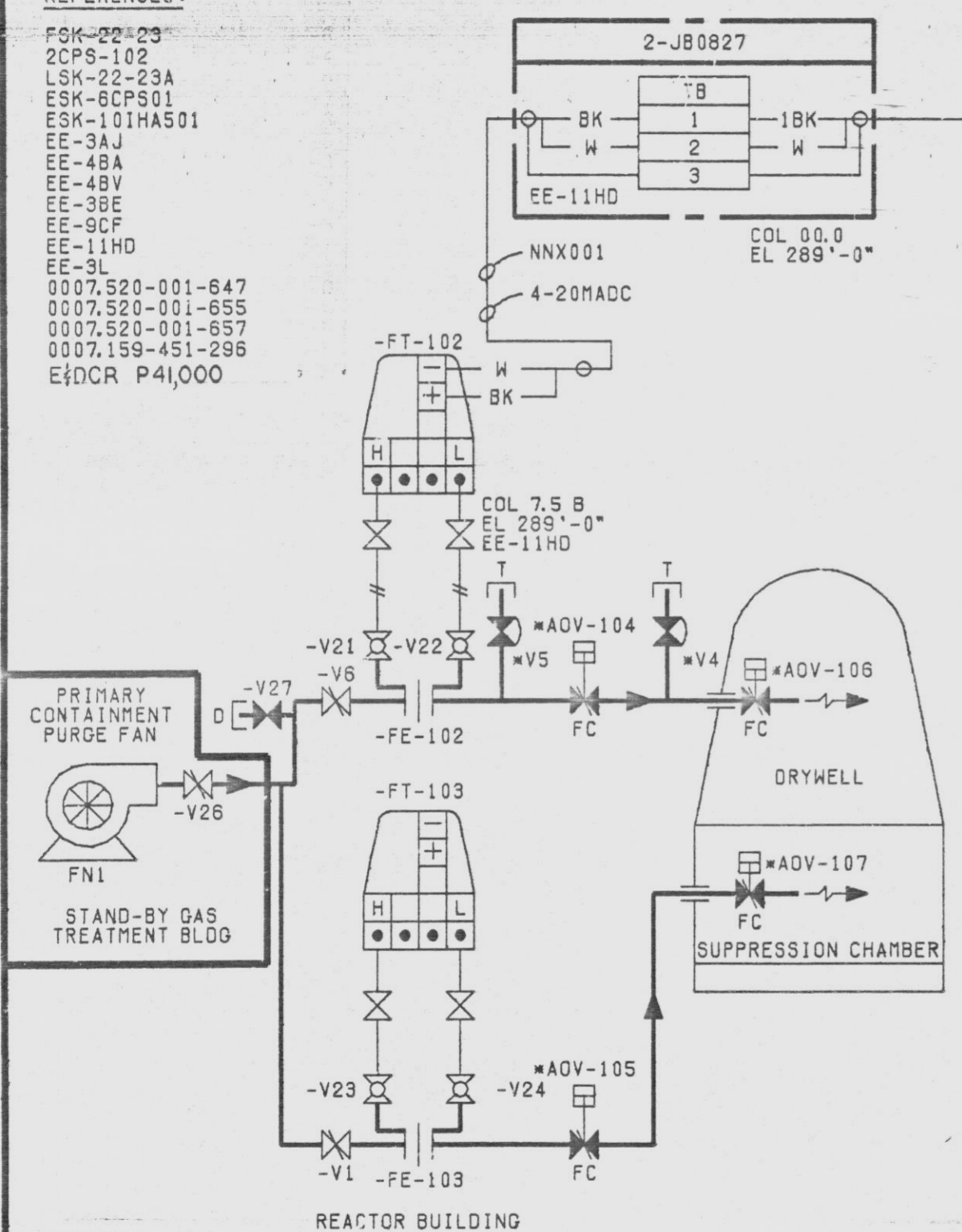


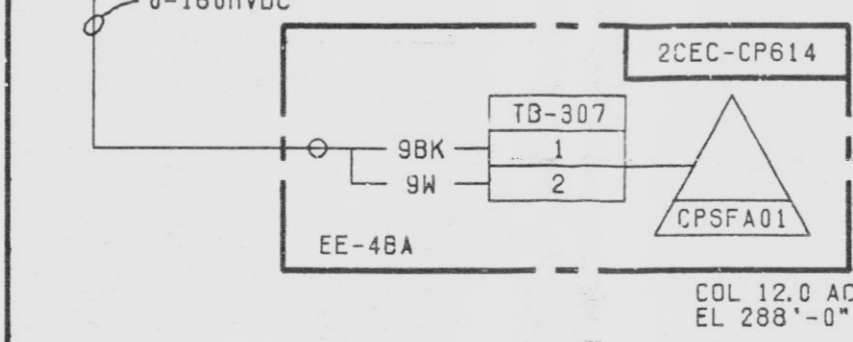
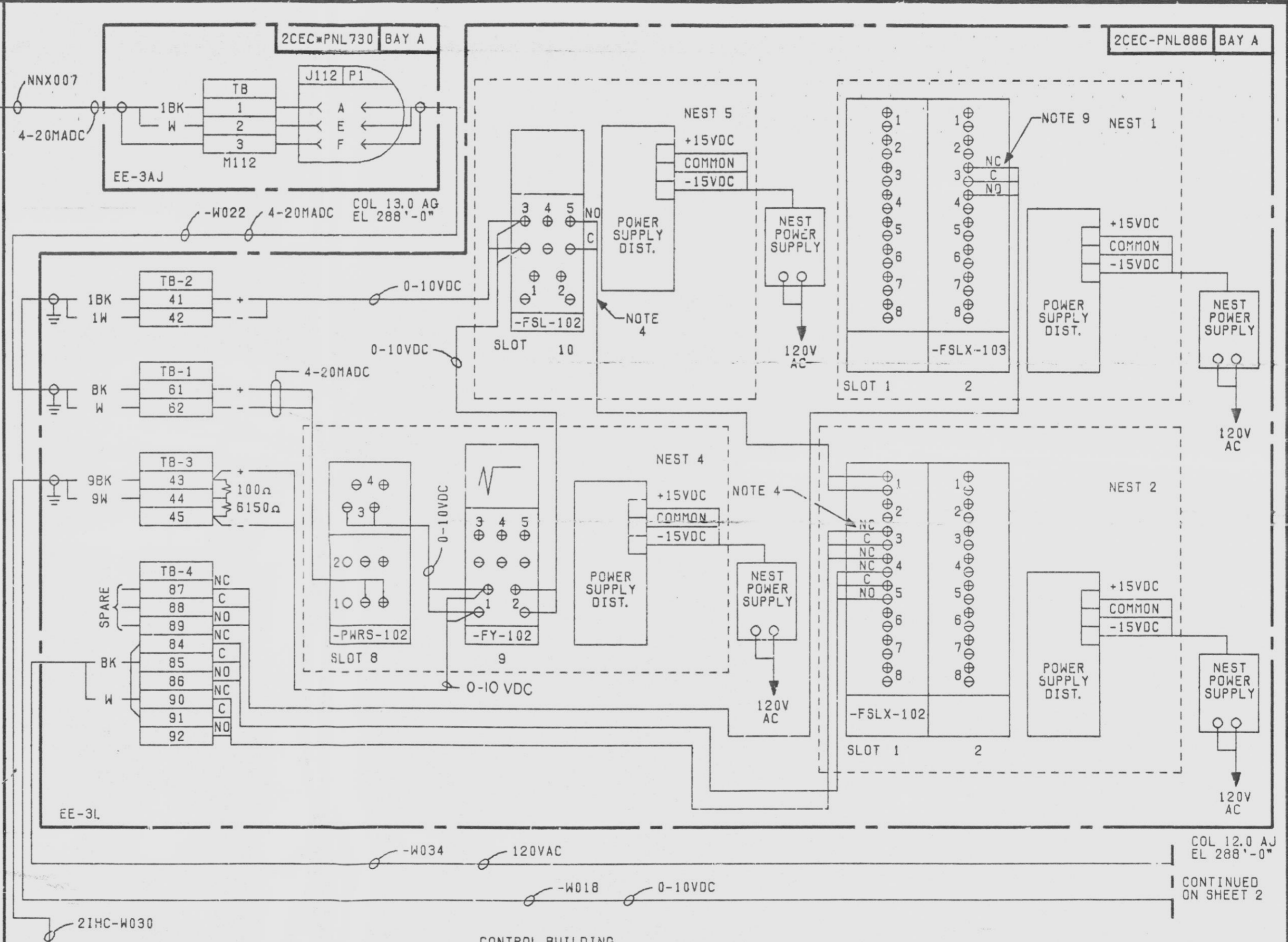
REFERENCES:

- FSK-22-23
- 2CPS-102
- LSK-22-23A
- ESK-6CPS01
- ESK-101HA501
- EE-3AJ
- EE-4BA
- EE-4BV
- EE-3BE
- EE-9CF
- EE-11HD
- EE-3L
- 0007.520-001-647
- 0007.520-001-655
- 0007.520-001-657
- 0007.159-451-296
- E4DCR P41,000



NOTES:

1. FOR TEST PURPOSES 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: FT-102 MONITORS PRIMARY CONTAINMENT PURGE VENT NITROGEN INLET FLOW TO THE SUPPRESSION CHAMBER AND PROVIDES FLOW SIGNAL TO THE COMPUTER VIA PHRS-102 AND TO FI-102 AND FSL-102 VIA PHRS-102 AND FY-102. FSL-102 ACTUATES ON LOW FLOW ACTUATING FSLX-102 TO STOP THE PRIMARY CONTAINMENT PURGE FAN FN1 AND ENERGIZE COMPUTER AND ANNUNCIATOR ALARMS. AFTER A MINIMUM TIME DELAY, WHEN FN1 IS RUNNING AND DRYWELL PURGE VENT NITROGEN INLET FLOW IS ALSO LOW. (SEE TL2CPS-004).
4. NORMALLY OPEN (NO) CONTACTS OPEN ON LOW FLOW. NORMALLY CLOSED (NC) CONTACTS CLOSE ON LOW FLOW.
5. CONTACT 1T CLOSES WHEN THE 1-2CPSN01 (PRIMARY CONTAINMENT PURGE FAN FN1) SWITCH IS IN THE MID AND START POSITION. CONTACT 2B CLOSES WHEN THE SWITCH IS IN THE START POSITION.
6. 62-2CPSN01 ENERGIZES ON LOW FLOW IF FN1 IS RUNNING TO OPEN CONTACT 3-5 AFTER A MINIMUM TIME DELAY. CLOSE CONTACT 2-6 AFTER A MINIMUM TIME DELAY.
7. CONTACT CLOSES WHEN FN1 IS RUNNING.
8. CONTACT OPENS ON MOTOR OVERLOAD.
9. NORMALLY CLOSED (NC) CONTACT CLOSES (FSLX-103 ACTUATED) ON SUPPRESSION CHAMBER PURGE VENT NITROGEN INLET FLOW LOW. (SEE TL2CPS-004). MODULE SHOWN FOR REFERENCE PURPOSES ONLY.



DATE	DATE	DATE	DATE	DATE	DATE
PREPARED	PREPARED	PREPARED	PREPARED	PREPARED	PREPARED
APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED
4	3	2	1	0	DATE 26 MAR 85 PREPARED APPROVED APPROVED

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TEST LOOP DIAGRAM
PRI CONT PURGE VENT NITROGEN INLET FLOW
2CPS-FT-102

NINE MILE POINT NUCLEAR STATION-UNIT 2
NIAGARA MOHAWK POWER CORPORATION

STONE & WEBSTER ENGINEERING CORPORATION

SH 1 OF 2
12177-TL2CPS-003

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