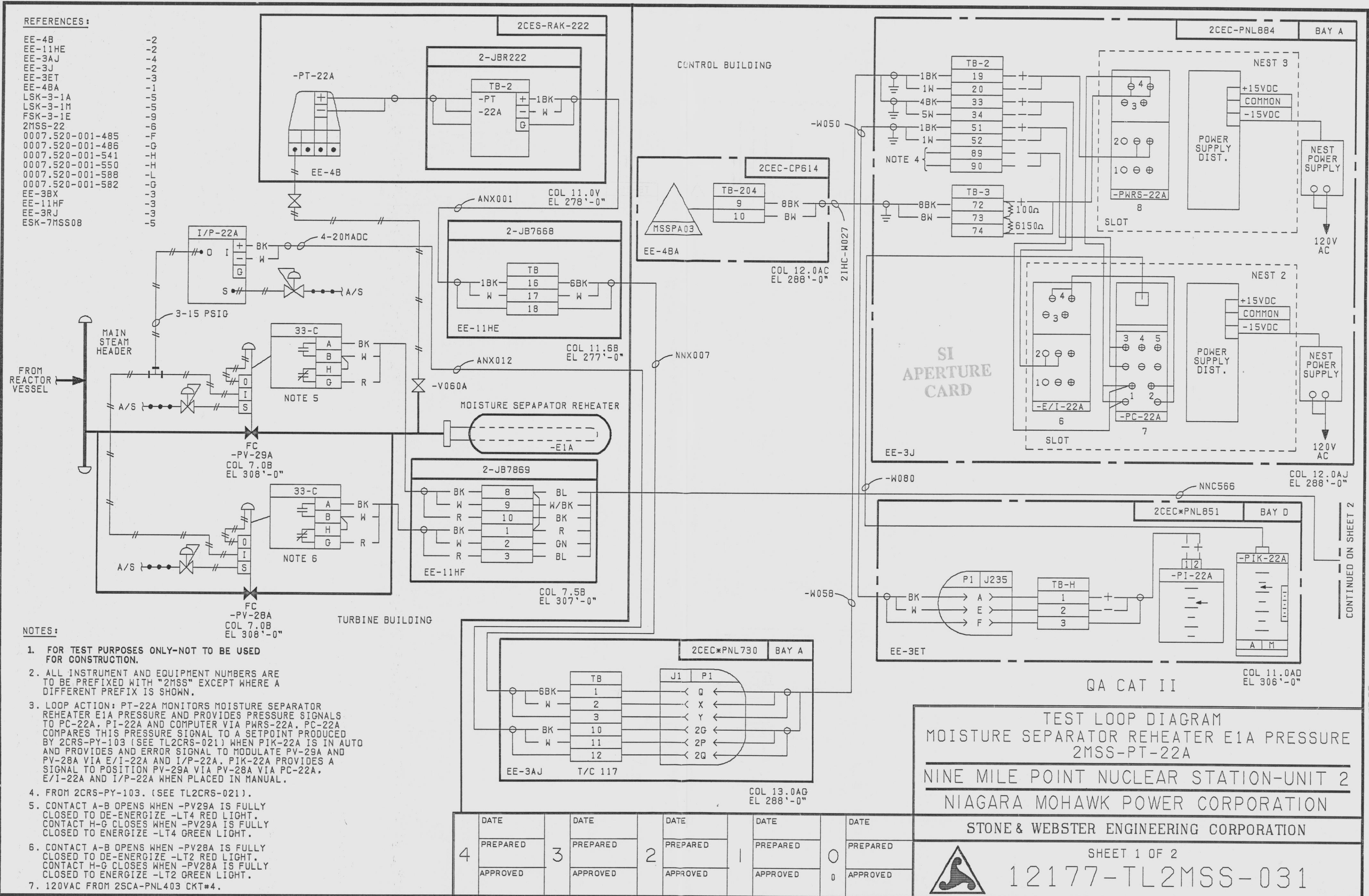


REFERENCES:

- EE-4B -2
- EE-11HE -2
- EE-3AJ -4
- EE-3J -2
- EE-3ET -3
- EE-4BA -1
- LSK-3-1A -5
- LSK-3-1M -5
- FSK-3-1E -6
- 2MSS-22 -6
- 0007.520-001-485 -T
- 0007.520-001-486 -G
- 0007.520-001-541 -H
- 0007.520-001-550 -H
- 0007.520-001-588 -L
- 0007.520-001-582 -G
- EE-3BX -3
- EE-11HF -3
- EE-3RJ -3
- ESK-7MSS08 -5



NOTES:

1. FOR TEST PURPOSES ONLY-NOT TO BE USED FOR CONSTRUCTION.
2. ALL INSTRUMENT AND EQUIPMENT NUMBERS ARE TO BE PREFIXED WITH "2MSS" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN.
3. LOOP ACTION: PT-22A MONITORS MOISTURE SEPARATOR REHEATER E1A PRESSURE AND PROVIDES PRESSURE SIGNALS TO PC-22A, PI-22A AND COMPUTER VIA PWS-22A. PC-22A COMPARES THIS PRESSURE SIGNAL TO A SETPOINT PRODUCED BY 2CRS-PY-103 (SEE TL2CRS-021) WHEN PIK-22A IS IN AUTO AND PROVIDES AND ERROR SIGNAL TO MODULATE PV-29A AND PV-28A VIA E/I-22A AND I/P-22A. PIK-22A PROVIDES A SIGNAL TO POSITION PV-29A VIA PV-28A VIA PC-22A, E/I-22A AND I/P-22A WHEN PLACED IN MANUAL.
4. FROM 2CRS-PY-103. (SEE TL2CRS-021).
5. CONTACT A-B OPENS WHEN -PV29A IS FULLY CLOSED TO DE-ENERGIZE -LT4 RED LIGHT. CONTACT H-G CLOSURES WHEN -PV29A IS FULLY CLOSED TO ENERGIZE -LT4 GREEN LIGHT.
6. CONTACT A-B OPENS WHEN -PV28A IS FULLY CLOSED TO DE-ENERGIZE -LT2 RED LIGHT. CONTACT H-G CLOSURES WHEN -PV28A IS FULLY CLOSED TO ENERGIZE -LT2 GREEN LIGHT.
7. 120VAC FROM 2SCA-PNL403 CKT#4.

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

TEST LOOP DIAGRAM
 MOISTURE SEPARATOR REHEATER E1A PRESSURE
 2MSS-PT-22A
 NINE MILE POINT NUCLEAR STATION-UNIT 2
 NIAGARA MOHAWK POWER CORPORATION

STONE & WEBSTER ENGINEERING CORPORATION
 SHEET 1 OF 2
 12177-TL2MSS-031



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INFORMATION ONLY

CONTINUED ON SHEET 2