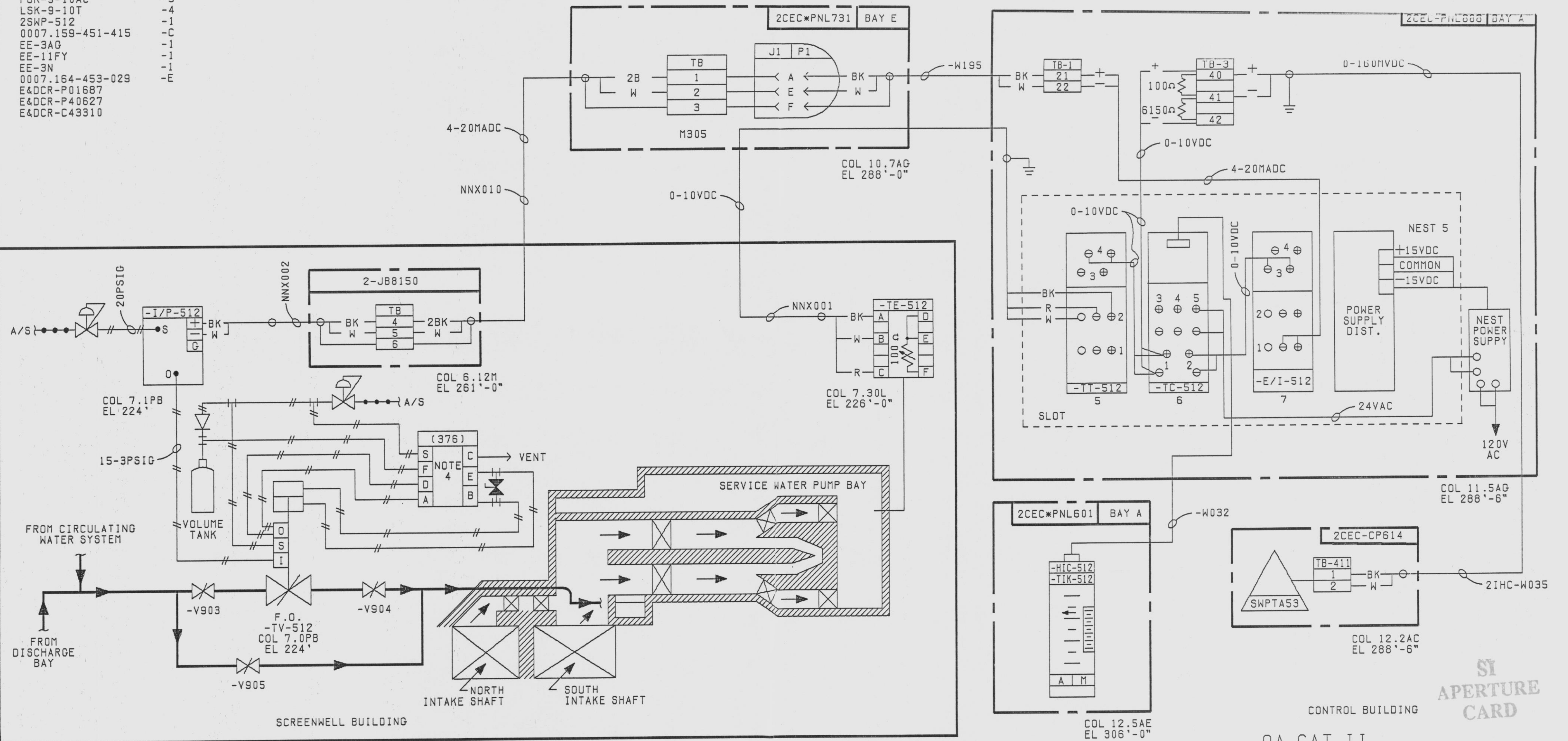


REFERENCES:

- FSK-9-10AC -3
- LSK-9-10T -4
- 2SWP-512 -1
- 0007.159-451-415 -C
- EE-3AG -1
- EE-11FY -1
- EE-3N -1
- 0007.164-453-029 -E
- E&DCR-P01687
- E&DCR-P40627
- E&DCR-C43310



NOTES:

1. FOR TEST PURPOSES ONLY-NOT TO BE USED FOR CONSTRUCTION.
2. ALL INSTRUMENT AND EQUIPMENT NUMBERS ARE TO BE PREFIXED WITH "2SNP" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN.
3. LOOP ACTION: TE-512 MONITORS INTAKE CHANNEL WATER TEMPERATURE AND PROVIDES TEMPERATURE SIGNALS TO THE COMPUTER AND TC-512 VIA TT-512. TC-512 COMPARES THIS TEMPERATURE SIGNAL TO A SETPOINT PRODUCED BY HIC-512 WHEN TIK-512 IS IN AUTO AND PROVIDES AN ERROR SIGNAL TO MODULATE TV-512 VIA E/I-512, I/P-512 AND (376) (TRIP VALVE). TIK-512 PROVIDES A SIGNAL TO POSITION TV-512 VIA TC-512, E/I-512, I/P-512 AND (376) WHEN PLACED IN MANUAL.
4. (376) TRIPS ON LOW SUPPLY PRESSURE PROVIDING VOLUME TANK PRESSURE (PORTS F TO E), AND VENTING ACTUATOR TOP CYLINDER PRESSURE (PORTS B TO C) TO OPEN TV-512. (376) RESETS ON NORMAL SUPPLY PRESSURE ENABLING CONTROL SIGNAL PRESSURE (PORTS D TO E AND A TO B) TO MODULATE TV-512.
5. VENDOR IDENTIFICATIONS ARE SHOWN IN PARENTHESIS.

9305030048

TEST LOOP DIAGRAM
 INTAKE CHANNEL WATER TEMP
 2SWP-TE-512
 NINE MILE POINT NUCLEAR STATION-UNIT 2
 NIAGARA MOHAWK POWER CORPORATION

DATE	DATE	DATE	DATE	DATE
PREPARED	PREPARED	PREPARED	PREPARED	PREPARED
APPROVED	APPROVED	APPROVED	APPROVED	APPROVED

STONE & WEBSTER ENGINEERING CORPORATION

12177-TL2SWP-129

DATE 21 JUN 82
 PREPARED WJE
 APPROVED LJM

09-127-91

9305030048

INFORMATION ONLY