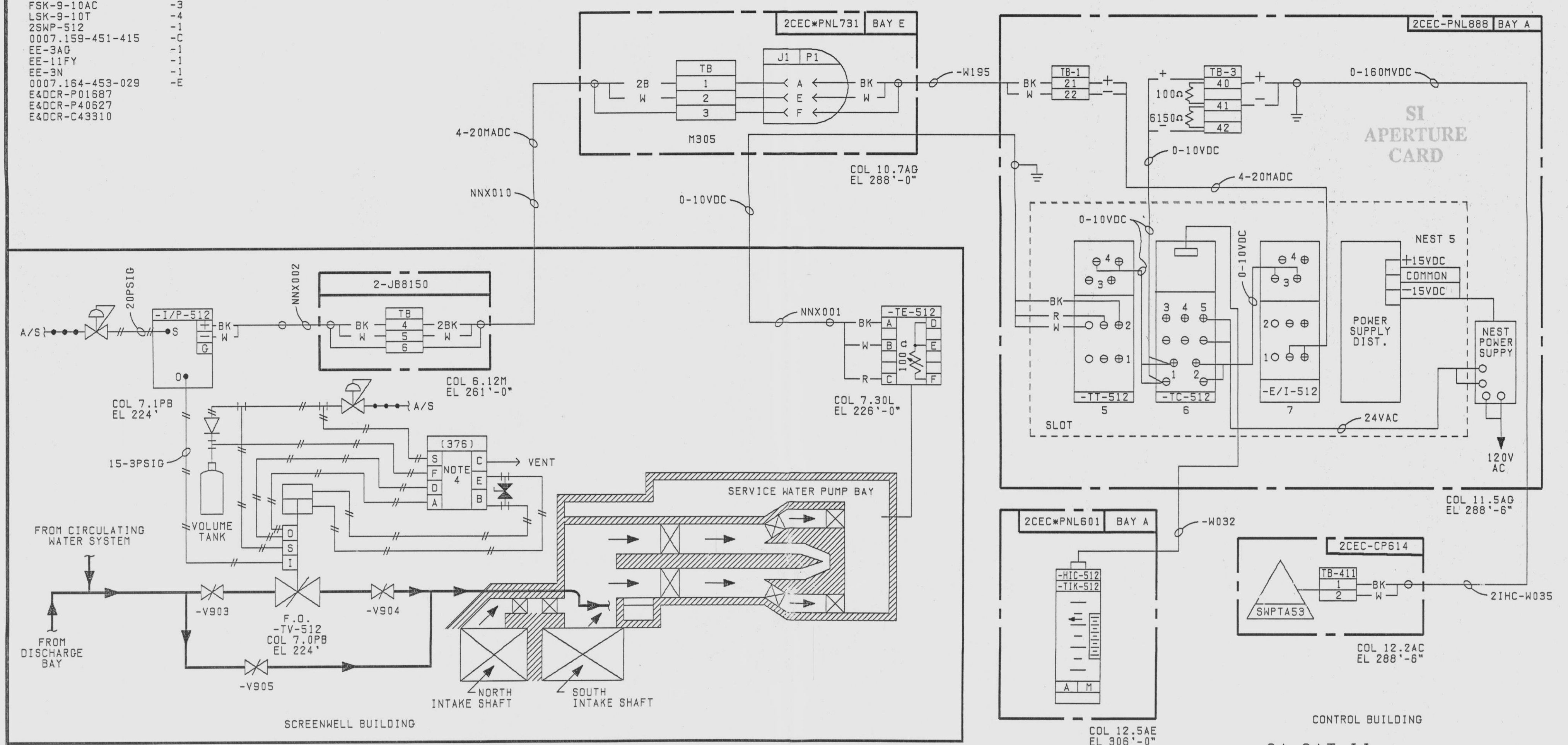


- REFERENCES:**
- FSK-9-10AC -3
  - LSK-9-10T -4
  - 2SWP-512 -1
  - 0007.159-451-415 -C
  - EE-3AG -1
  - EE-11FY -1
  - EE-3N -E
  - 0007.164-453-029 -E
  - E&DCR-P01687
  - E&DCR-P40627
  - E&DCR-C43310



- NOTES:**
1. FOR TEST PURPOSES ONLY-NOT TO BE USED FOR CONSTRUCTION.
  2. ALL INSTRUMENT AND EQUIPMENT NUMBERS ARE TO BE PREFIXED WITH "2SWP" 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.

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

TEST LOOP DIAGRAM  
INTAKE CHANNEL WATER TEMP  
2SWP-TE-512

---

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

---

STONE & WEBSTER ENGINEERING CORPORATION

---

DATE 21 JUN 82  
PREPARED WJE  
APPROVED LJM

---

12177-TL2SWP-129

INFORMATION ONLY

9305/00031 / D