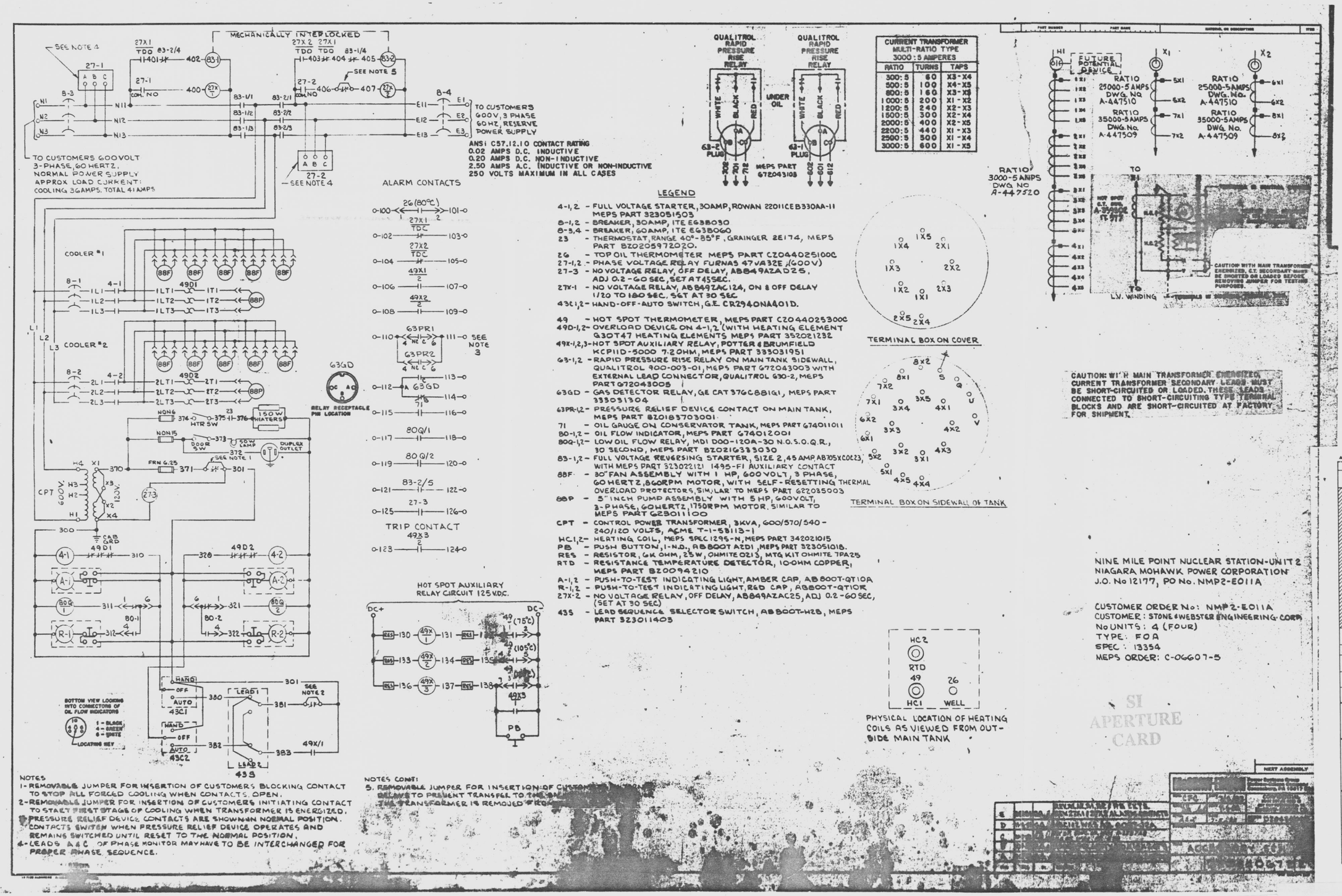

CURRENT TRANSFORMER MULTI-RATIO TYPE 3000:5 AMPERES		
RATIO	TURNS	TAPS
300:5	60	X3-X4
500:5	100	X4-X5
800:5	160	X3-X5
1000:5	200	X1-X2
1200:5	240	X2-X3
1500:5	300	X2-X4
2000:5	400	X2-X5
2200:5	440	X1-X3
2500:5	500	X1-X4
3000:5	600	X1-X5

LEGEND

4-1,2 - FULL VOLTAGE STARTER, 30AMP, ROWAN 2201ICEB330AA-11 MEPS PART 323051503
8-1,2 - BREAKER, 30AMP, ITE EG3B030
8-3,4 - BREAKER, 60AMP, ITE EG3B060
23 - THERMOSTAT, RANGE 40°-85°F, GRAINGER 2E174, MEPS PART BZ0205972020.
26 - TOP OIL THERMOMETER MEPS PART CZ0440251000
27-1,2 - PHASE VOLTAGE RELAY FURNAS 47VA32E, (600V)
27-3 - NO VOLTAGE RELAY, OFF DELAY, AB849AZAD25, ADJ 0.2-60 SEC, SET AT 45SEC.
27X-1 - NO VOLTAGE RELAY, AB849ZAC124, ON & OFF DELAY 1/20 TO 180 SEC., SET AT 30 SEC.
43C1,2 - HAND-OFF-AUTO SWITCH, G.E. CR2940NA401D.
49 - HOT SPOT THERMOMETER, MEPS PART CZ0440253000
49D-1,2 - OVERLOAD DEVICE ON 4-1,2 (WITH HEATING ELEMENT G30T47 HEATING ELEMENTS MEPS PART 352021232
49X-1,2,3 - HOT SPOT AUXILIARY RELAY, POTTER & BRUMFIELD KCP11D-5000 7.2OHM, MEPS PART 333031951
63-1,2 - RAPID PRESSURE RISE RELAY ON MAIN TANK SIDEWALL, QUALITROL 900-003-01, MEPS PART 672043003 WITH EXTERNAL LEAD CONNECTOR, QUALITROL 630-2, MEPS PART 672043005
63GD - GAS DETECTOR RELAY, GE CAT 376C881G1, MEPS PART 333031304
63PR-1,2 - PRESSURE RELIEF DEVICE CONTACT ON MAIN TANK, MEPS PART 820183703001
71 - OIL GAUGE ON CONSERVATOR TANK, MEPS PART 674011011
80-1,2 - OIL FLOW INDICATOR, MEPS PART 674012001
80Q-1,2 - LOW OIL FLO RELAY, MDI DOO-120A-30 N.O.S.O.Q.R., 30 SECOND, MEPS PART BZ021G333030
83-1,2 - FULL VOLTAGE REVERSING STARTER, SIZE 2, 45 AMP, AB705X20E23, WITH MEPS PART 323022121 1495-F1 AUXILIARY CONTACT
88F - 30" FAN ASSEMBLY WITH 1 HP, 600 VOLT, 3 PHASE, 60 HERTZ, 860RPM MOTOR, WITH SELF-RESETTING THERMAL OVERLOAD PROTECTORS, SIMILAR TO MEPS PART 622035003
88P - 5" INCH PUMP ASSEMBLY WITH 5 HP, 600VOLT, 3-PHASE, 60HERTZ, 1750RPM MOTOR. SIMILAR TO MEPS PART 623011100
CPT - CONTROL POWER TRANSFORMER, 3KVA, 600/570/540-240/120 VOLTS, ACME T-1-53113-1
HC1,2 - HEATING COIL, MEPS SPEC 1295-N, MEPS PART 342021015
PB - PUSH BUTTON, 1-N.O., AB800T AED1, MEPS PART 323051018.
RES - RESISTOR, 6K OHM, 25W, OHMITE 0213, MTG KIT OHMITE TPA25
RTD - RESISTANCE TEMPERATURE DETECTOR, 100-OHM COPPER, MEPS PART BZ00942210
A-1,2 - PUSH-TO-TEST INDICATING LIGHT, AMBER CAP, AB800T-QT10A
R-1,2 - PUSH-TO-TEST INDICATING LIGHT, RED CAP, AB800T-QT10R
27X-2 - NO VOLTAGE RELAY, OFF DELAY, AB849AZAC25, ADJ 0.2-60 SEC, (SET AT 30 SEC)
43S - LEAD SEQUENCE SELECTOR SWITCH, AB800T-H2B, MEPS PART 323011403

NOTES
1- REMOVABLE JUMPER FOR INSERTION OF CUSTOMERS BLOCKING CONTACT TO STOP ALL FORCED COOLING WHEN CONTACTS OPEN.
2- REMOVABLE JUMPER FOR INSERTION OF CUSTOMERS INITIATING CONTACT TO START FIRST STAGE OF COOLING WHEN TRANSFORMER IS ENERGIZED.
3- PRESSURE RELIEF DEVICE CONTACTS ARE SHOWN IN NORMAL POSITION. CONTACTS SWITCH WHEN PRESSURE RELIEF DEVICE OPERATES AND REMAINS SWITCHED UNTIL RESET TO THE NORMAL POSITION.
4- LEADS A & C OF PHASE MONITOR MAY HAVE TO BE INTERCHANGED FOR PROPER PHASE SEQUENCE.

NOTES CONT:
5. REMOVABLE JUMPER FOR INSERTION OF CUSTOMERS [illegible] DELAYS TO PREVENT TRANSFER TO THE [illegible] THE TRANSFORMER IS REMOVED FROM

NINE MILE POINT NUCLEAR STATION-UNIT 2
NIAGARA MOHAWK POWER CORPORATION
J.O. No 12177, PO No. NMP2-E011A

CUSTOMER ORDER No: NMP2-E011A
CUSTOMER: STONE & WEBSTER ENGINEERING CORP.
No UNITS: 4 (FOUR)
TYPE: FOA
SPEC: 13354
MEPS ORDER: C-06607-5

SI APERTURE CARD

STONE & WEBSTER ENGINEERING CORPORATION
NINE MILE POINT NUCLEAR STATION - UNIT 2
NIAGARA MOHAWK POWER CORPORATION
J.O. 12177

✓ INSTRUCTIONS TO SUPPLIER (E2)
✓ APPROVED — AS DEFINED IN SPECIFICATION
APPROVED AS REVISED
RELEASED FOR FABRICATION
RELEASED FOR MATERIAL PURCHASE
SUPPLIER TO RESUBMIT — QNTY: REVISED PRINTS; REVISED MICROFILM APERTURE CARDS
FOR REVIEW
FOR RECORD
✓ NONE REQUIRED
NOTES:

(E1) ✓ FOR INFORMATION ONLY — RETURN TO SUPPLIER NOT REQUIRED

INSTRUCTIONS TO DESIGN (CIRCLE(E1)): I-O | P-L | P-S | REC | F-D | NEW | REV
DESIGN ENGINEER/DATE STAMP (E2) OUT:
INITIALS OF SELECTED REVIEWERS
RESPONSIBLE ENGINEER'S DATE STAMP (E2) NOTED MAR 30 1994 E. BRAMHA
SUPERSEDES S&W FILE NO. (E1)(25-30): 0191111T0[illegible]
REMARKS(C) (LIMIT TO 22 CHARACTERS & BLANKS)(50-71)
S&W EQUIP. I.D. CODE (E1) (25-36): 2MTX1-1X1A1A0A0A0A1
AREA DESIGNATION CODES (E1)(72-80): 1
MFR'S. DWG. NO.(C) (LIMIT TO 24 CHARACTERS & BLANKS)(37-60): D20440672 REV E
MFR'S. NAME(C) (LIMIT TO 20 CHARACTERS & BLANKS)(61-80): N.-GRAW-EDISON
DATE RECD (C): MONTH 03 DAY 19 (YR)(23-30): 94
DWG TYPE (E1): E
MAX DATE DESIGN (E1): 21
FUNCTIONAL TITLE (E1) (LIMIT TO 44 CHARACTERS & BLANKS): GEN STEPUP XFMR ACCESSORY SCHEM
S&W FILE NO. (E1): 0[illegible]
JOB ORDER NO. 12177 00

ATTACH TO MFR'S.

930507O158