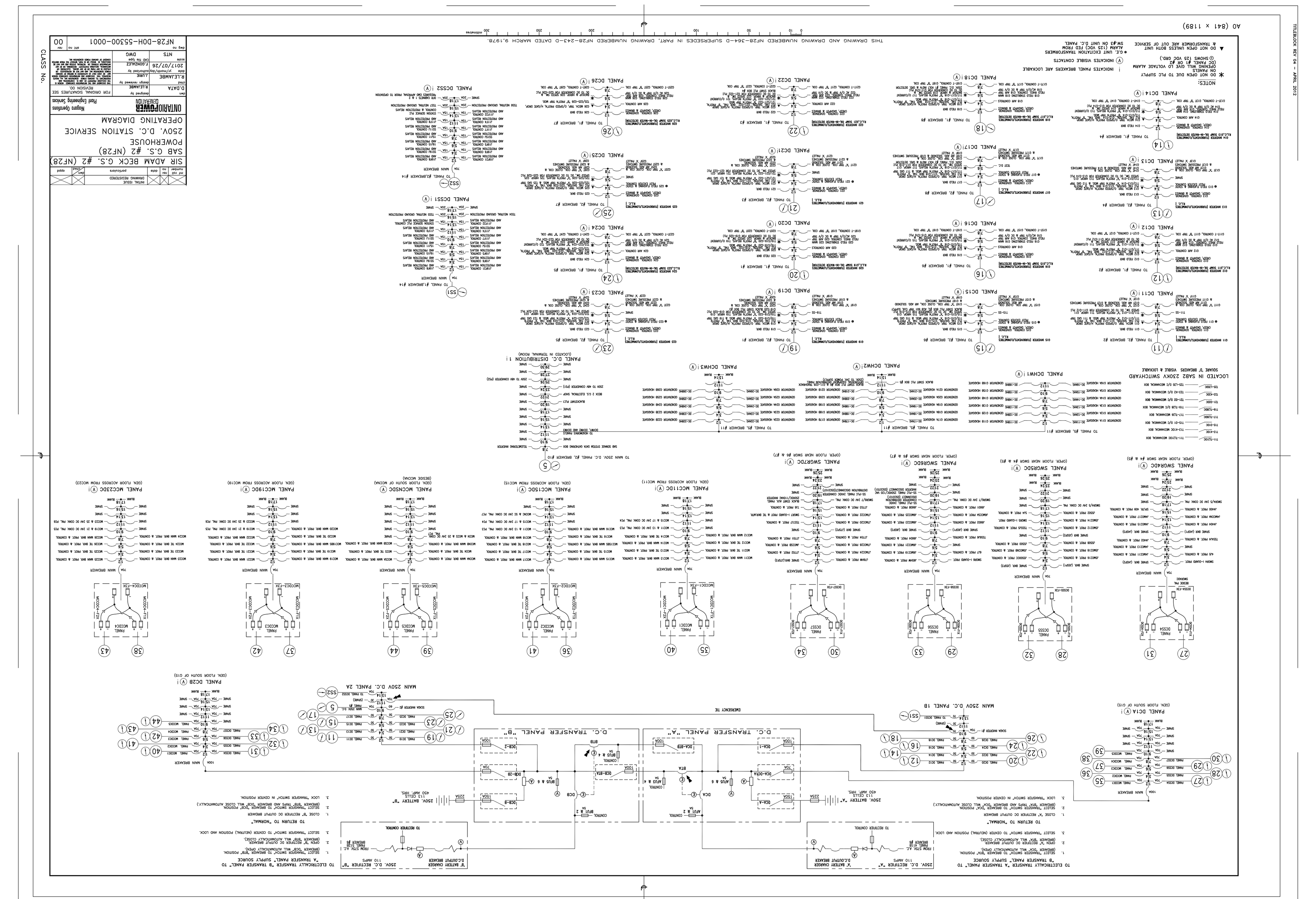

SIR ADAM BECK G.S. #2 (NF28)
SAB G.S. #2 (NF28)
POWERHOUSE
250V. D.C. STATION SERVICE
OPERATING DIAGRAM
ONTARIOPOWER GENERATION
Niagara Operations
Plant Engineering Services
NF28-DOH-SS3300-0001
00
CLASS No.
THIS DRAWING AND DRAWING NUMBERED NF28-364-D SUPERSEDES IN PART, DRAWING NUMBERED NF28-243-D DATED MARCH 9,1978.
NOTES:
* DO NOT OPEN DUE TO LOSS OF 250V. D.C. STATION SERVICE
▲ DO NOT OPEN UNLESS BOTH UNIT & TRANSFORMER ARE OUT OF SERVICE
ALARM (125 VDC) FED FROM SW.#3 ON UNIT D.C. PANEL
● E.E. UNIT EXCITATION TRANSFORMERS
INDICATES VISIBLE CONTACTS
INDICATES PANEL BREAKERS ARE LOCKABLE
OPENING WILL GIVE LO VOLTAGE ALARM (DC PANEL #1 OR #2 ⊙ SHOWS 125 VDC GRD.)
LOCATED IN SAB2 230KV SWITCHYARD SQUARE 'D' BREAKERS VISIBLE & LOCKABLE
PANEL DC11 (V)
PANEL DC12 (V)
PANEL DC13 (V)
PANEL DC14 (V)
PANEL DC15 (V)
PANEL DC16 (V)
PANEL DC17 (V)
PANEL DC18 (V)
PANEL DC19 (V)
PANEL DC20 (V)
PANEL DC21 (V)
PANEL DC22 (V)
PANEL DC23 (V)
PANEL DC24 (V)
PANEL DC25 (V)
PANEL DC26 (V)
PANEL DCSS1 (V)
PANEL DCSS2 (V)
PANEL DCH1 (V)
PANEL DCH2 (V)
PANEL DCH3 (V)
PANEL D.C. DISTRIBUTION 1 (LOCATED IN TERMINAL ROOM)
PANEL SWGR5C (V) (OPER. FLOOR NEAR SWGR #4 & #5)
PANEL SWGR6C (V) (OPER. FLOOR NEAR SWGR #6 & #7)
PANEL SWGR7DC (V) (OPER. FLOOR NEAR SWGR #6 & #7)
PANEL MCC11DC (V) (GEN. FLOOR ACCROSS FROM MCC11)
PANEL MCC15DC (V) (GEN. FLOOR ACCROSS FROM MCC15)
PANEL MCC19DC (V) (GEN. FLOOR SOUTH OF MCC19)
PANEL MCC23DC (V) (GEN. FLOOR ACCROSS FROM MCC23)
PANEL DC1A (V) (GEN. FLOOR SOUTH OF G1S)
PANEL DC2B (V) (GEN. FLOOR SOUTH OF G1S)
MAIN 250V D.C. PANEL 1B
MAIN 250V D.C. PANEL 2A
D.C. TRANSFER PANEL "A"
D.C. TRANSFER PANEL "B"
EMERGENCY TIE
TO ELECTRICALLY TRANSFER "A TRANSFER PANEL" TO "B TRANSFER PANEL" D.C.OUTPUT BREAKER
TO RETURN TO "NORMAL"
TO ELECTRICALLY TRANSFER "B TRANSFER PANEL" TO "A TRANSFER PANEL" D.C.OUTPUT BREAKER
TO RETURN TO "NORMAL"
250V. BATTERY "A"
250V. BATTERY "B"
250V. D.C. RECTIFIER "A"
250V. D.C. RECTIFIER "B"
"A" BATTERY CHARGER
"B" BATTERY CHARGER
TO RECTIFIER CONTROL
TO MAIN 250V. D.C. PANEL #2, BREAKER #10
TO MAIN 250V. D.C. PANEL #2, BREAKER #14
TO MAIN 250V. D.C. PANEL #1, BREAKER #14
TO PANEL #1, BREAKER #1
TO PANEL #1, BREAKER #2
TO PANEL #1, BREAKER #3
TO PANEL #1, BREAKER #4
TO PANEL #1, BREAKER #5
TO PANEL #1, BREAKER #6
TO PANEL #1, BREAKER #7
TO PANEL #1, BREAKER #8
TO PANEL #2, BREAKER #1
TO PANEL #2, BREAKER #2
TO PANEL #2, BREAKER #3
TO PANEL #2, BREAKER #4
TO PANEL #2, BREAKER #5
TO PANEL #2, BREAKER #6
TO PANEL #2, BREAKER #7
TO PANEL #2, BREAKER #8
TO PANEL #2,BREAKER #14
TO PANEL #1,BREAKER #14
MAIN BREAKER
MAIN BRKR
MAIN BRKR
MAIN BRKR