

- LOCATION SYMBOLS:
- P802 - AUX BLR SVCE XFMR 24BS-XI BACK UP PROTECTION
 - P803 - 4.16KV BUS 2NNS-SWGO14 BUS PROTECTION
 - P804 - 4.16KV BUS 2NNS-SWGO15 BUS PROTECTION
 - P805 - RES STA SVCE XFMR 2RTX-XSRIA PRIMARY PROTECTION
 - P806 - RES STA SVCE XFMR 2RTX-XSRIA BACKUP PROTECTION
 - P807 - AUX XFMR 2ATX-XS1 PROTECTION
 - P808 - RES STA SVCE XFMR 2RTX-XSRIA PRIMARY PROTECTION
 - P809 - RES STA SVCE XFMR 2RTX-XSRIA BACKUP PROTECTION
 - P810 - AUX XFMR 2ATX-XS3 PROTECTION
 - P811 - AUX BLR XFMR 24BS-XI PRIMARY PROTECTION
 - P812 - 13.8KV BUS 2NPS-SWGO01 PROTECTION & 4.16KV BUS 2NNS-SWGO1 PROTECTION
 - P813 - 13.8KV BUS 2NPS-SWGO1 PROTECTION & 4.16KV BUS 2NNS-SWGO3 PROTECTION
 - P814 - 4.16KV BUS 2NNS-SWGO12 PRI BUS PROT
 - P815 - 13.8KV BUS 2NPS-SWGO02 PROTECTION & 4.16KV BUS 2NNS-SWGO12 BACKUP PROTECTION
 - P852 - ELECTRICAL CONTROL BOARD
 - P853 - DIV I AUX RLY PNL
 - P854 - GEN MAIN&NORM XFMR RLY PNL
 - P855 - GEN MAIN&NORM XFMR RLY PNL
 - P856 - EN MAIN&NORM XFMR RLY PNL
 - P857 - GEN MAIN&NORM XFMR RLY PNL
 - P858 - GEN MAIN&NORM XFMR RLY PNL
 - P876 - 345KV SWD PLY PNL ALT. 1
 - P877 - 345KV SWD PLY PNL ALT. 2
- 5001 - NORM 13.8KV SWGR 2NPS-SWGO01
5002 - NORM 13.8KV SWGR 2NPS-SWGO03
5003 - NORM 4.16KV SWGR 2NNS-SWGO14
5004 - NORM 4.16KV SWGR 2NNS-SWGO15
5005 - NORM 4.16KV SWGR 2NNS-SWGO15
- 5101 - EMERG 4.16KV SWGR 2NNS-SWGO1 (-G)
5102 - EMERG 4.16KV SWGR 2NNS-SWGO2 (-P)
5103 - EMERG 4.16KV SWGR 2NNS-SWGO3 (-Y)
- EGPA - STANDBY GENERATOR PANEL A
EGPB - STANDBY GENERATOR PANEL C

- NOTES:
1. GENERAL NOTES, REFERENCES & ADDITIONAL SYMBOLS SEE-1A.
 2. OF THE FOLLOWING FOUR 4.16KV BREAKERS, 11-11.13.13.6 & 13.4 ONLY THREE OF THE FOUR CAN BE CLOSED AT ANY ONE TIME.
 3. OF THE FOLLOWING TWO 4.16KV BREAKERS, 14-1 & 14-2, ONLY ONE CAN BE CLOSED AT ANY ONE TIME.
 4. OF THE FOLLOWING TWO 4.16KV BREAKERS, 15-3 & 15-8, ONLY ONE CAN BE CLOSED AT ANY ONE TIME.
 5. PERMISSIVE FOR 67N4-2NNSN03 DIRECTIONAL UNIT.
 6. PERMISSIVE FOR 67N6-2NNSN09 DIRECTIONAL UNIT.
 7. PERMISSIVE FOR 67N5-2NNSN03 DIRECTIONAL UNIT.
 8. PERMISSIVE FOR 67N7-2NNSN09 DIRECTIONAL UNIT.
 9. OSCILLOGRAPH: OSO DTD IN NORMAL SWGR BLDG EQPT NO. 25P0-050001.

PRC
APERTURE
CARD

MAINTENANCE ENGINEER, NO. 51047
STATE OF NEW YORK
ALTERNATE EXERCISE BY A LICENSED PROFESSIONAL ENGINEER IS ILLEGAL

MAIN ONE LINE DIAGRAM
4.16KV AUX XFMR
NORM 4.16KV & 600V SYS

NINE MILE POINT NUCLEAR STATION - UNIT 2
NIAGARA MOHAWK POWER CORPORATION
STONE & WEBSTER ENGINEERING CORPORATION
BOSTON, MASS.

10-CH
DRAWING NUMBER 12177-EE-IC-8
Des. Ch'd by
Drawn by J. C. CALESE
Ch'd by R. BRICE

| NO. | DATE | DESCRIPTION | CHD | APP | DATE | NO. | DATE | DESCRIPTION | CHD | APP | DATE |
|-----|----------|---|-----|-----|------|-----|----------|---|-----|-----|------|
| 1 | 12/17/77 | ISSUED FOR DESIGN REVIEW | | | | 1 | 12/17/77 | ISSUED FOR DESIGN REVIEW | | | |
| 2 | 1/10/78 | SEE RECORD OF DRAWING CHANGES BCE-IC-6 | | | | 2 | 1/10/78 | SEE RECORD OF DRAWING CHANGES BCE-IC-6 | | | |
| 3 | 1/10/78 | SEE RECORD OF DRAWING CHANGES 12177-BCE-IC-5 | | | | 3 | 1/10/78 | SEE RECORD OF DRAWING CHANGES 12177-BCE-IC-5 | | | |
| 4 | 1/10/78 | ADDED BRKR 14-1 & 15-7 CRT NO'S & REVISED XFMR RELAYS | | | | 4 | 1/10/78 | ADDED BRKR 14-1 & 15-7 CRT NO'S & REVISED XFMR RELAYS | | | |
| 5 | 1/10/78 | REURAWN-ADDED 51UB BUS 4.16KV, 600V LC & 600V MCC | | | | 5 | 1/10/78 | REURAWN-ADDED 51UB BUS 4.16KV, 600V LC & 600V MCC | | | |
| 6 | 1/10/78 | REURAWN-ADDED 51UB BUS 4.16KV, 600V LC & 600V MCC | | | | 6 | 1/10/78 | REURAWN-ADDED 51UB BUS 4.16KV, 600V LC & 600V MCC | | | |
| 7 | 1/10/78 | REURAWN-ADDED 51UB BUS 4.16KV, 600V LC & 600V MCC | | | | 7 | 1/10/78 | REURAWN-ADDED 51UB BUS 4.16KV, 600V LC & 600V MCC | | | |
| 8 | 1/10/78 | REURAWN-ADDED 51UB BUS 4.16KV, 600V LC & 600V MCC | | | | 8 | 1/10/78 | REURAWN-ADDED 51UB BUS 4.16KV, 600V LC & 600V MCC | | | |
| 9 | 1/10/78 | REURAWN-ADDED 51UB BUS 4.16KV, 600V LC & 600V MCC | | | | 9 | 1/10/78 | REURAWN-ADDED 51UB BUS 4.16KV, 600V LC & 600V MCC | | | |
| 10 | 1/10/78 | REURAWN-ADDED 51UB BUS 4.16KV, 600V LC & 600V MCC | | | | 10 | 1/10/78 | REURAWN-ADDED 51UB BUS 4.16KV, 600V LC & 600V MCC | | | |

THE INFORMATION ON THIS DRAWING MAY NOT BE COPIED OR USED FOR OTHER THAN THE CONSTRUCTION, MAINTENANCE OR REPAIR OF THE PLANT FACILITY DESCRIBED IN THE TITLE BLOCK.

