

LEGEND

DEVICE

FUNCTION

- a BREAKER AUXILIARY SWITCH
- b TRUCK OPERATED CELL SWITCH
- H SHOWN FOR BREAKER IN TEST POSITION
- TD TIME DELAY RELAY
- OTS OVERCURRENT TRIP SWITCH
- OTS AUXILIARY RELAY
- SH TR SHUNT TRIP
- SS SYNCHRONIZING SWITCH

- I BREAKER CONTROL SWITCH
- CONTACT CLOSED IN POSITION SHOWN:
- C-CLOSE (START)
- T-TRIP (STOP)
- SC-SLIP CLOSE (SLIP START)
- ST-SLIP TRIP (SLIP STOP)
- O-OFF (AUTO)
- CTO-CLOSE, TRIP, OFF (NEUTRAL)
- PO-FULL OUT
- 2 TIME DELAY STARTING OR CLOSING RELAY
- 3 INTERLOCKING RELAY
- 20 ELECTRIC OPERATED VALVE
- 27 UNDERVOLTAGE RELAY
- 33 POSITION SWITCH
- 42 MOTOR STARTER
- 63 LIQUID OR GAS PRESSURE RELAY
- 71 LIQUID OR GAS LEVEL RELAY
- 74 ALARM RELAY
- 80 LIQUID OR GAS FLOW RELAY
- 86 LOCKOUT RELAY

EQUIPMENT LOCATION SYMBOLS

- 3 480V SWGR. 31
- 4 480V SWGR. 32
- 16 LOCAL AT EQUIPMENT
- 17 CONTROL ROOM PANEL
- SB - SAFEGUARDS SUPERV. PANEL
- BH - ELECTRICAL SUPERV. PANEL
- SJ - COOLING WATER & AIR SUPERV. PANEL
- 26 INTAKE STRUCTURE
- 35 DE-ICING PUMPS PIT
- 32 DIESEL GEN SWGR.
- A - DIESEL GEN. 31 CTL. BOARD
- B - DIESEL GEN. 32 CTL. BOARD
- C - DIESEL GEN. 33 CTL. BOARD

DE-ICING PUMPS CONTROL CAB.

NOTES

- Δ INDICATES W/ DWG. 500B971 (U.E. & C. F.P. 9321-05-3307) SHEET NUMBER.
- 1. WIRE NUMBERS OF WIRES CONNECTED TO 480V. SWGR. TERMINALS WILL CARRY THE SAME SUFFIX AS THE TERMINAL.
EXAMPLE: ϕ -P
O-P
- 2. SUBSCRIPTS ON 480V. SWITCHGEAR LOCATION SYMBOLS REFER TO SWITCHGEAR COMPT. NUMBER. TYPICAL: 3 33B ← CELL NO.
- 3. SYMBOL ϕ DENOTES EQUIPMENT WIRING INCLUDING CELL TO CELL WIRES.
SYMBOL ϕ DENOTES WIRES TO TERMINALS FOR EXTERNAL WIRING.
TYPICAL: ϕ 33B ← CELL NO.
- SYMBOL * DENOTES SWGR. 32 WIRING TO BE TERMINATED IN SWGR. 32 CELLS, FOR EXTENSION BY OTHERS.

20 20A 52/MCC6C-BUS 2A FEED TO MCC 30C

NO.	SYMBOL	INDEX
2	2A	UNDERVOLTAGE RELAYS - BUS 2A, 3A, & 5A
3	—	RELAY TABLE - BUS 5A
4	—	RELAY TABLE - BUS 2A & 3A
5	5A	INTERLOCKING RELAYS - BUS 5A
6	6A	INTERLOCKING RELAYS - BUSES 2A & 3A
7	7A	52/3A - STA SERV. TRANSF. 5 - BUS 5A TIE
8	8A	52/LG3 - EMERGENCY GENERATOR 33
9	9A	52/MCC5 - BUS 5A FEED TO MCC 33 52/LT3 - LIGHTING TRANSF. 33 52/MCC9 - BUS 5A FEED TO MCC 33
10	10A	52/MCC4 - BUS 5A FEED TO MCC 33A
11	11A	52/SAC - SERVICE AIR COMPRESSOR
12	12A	52/CAT5A - BUS 2A - 5A TIE
13	13A	52/CAT3A - BUS 2A - 3A TIE
14	14A	52/E31 - EMERGENCY GENERATOR 31
15	15A	52/MCC4 - BUS 3A FEED TO MCC 31
16	16A	52/D11 - DE-ICING PUMP 31
17	17A	52/MCC1 - BUS 2A FEED TO MCC 31 52/MCC10 - BUS 2A FEED TO MCC 30 52/MCC5 - BUS 2A FEED TO MCC 33 52/LTIN - FLOORLIGHT (NORMAL) IN CELL 30A
18	18A	52/2A - STA SERV. TRANSF. 2 - BUS 2A TIE
19	19A	D.C. CONTROL POWER
Δ 24	24A	RECIRCULATION PUMP 31
Δ 25	25A	300 POWER SUPPLY M-G SET 31
Δ 26	26A	CHARGING PUMP 31
Δ 27	27A	COMPONENT COOLING PUMP 31
Δ 28	27A	SAFETY INJECTION PUMP 31
Δ 29	27A	SAFETY INJECTION PUMP 32
Δ 30	32A	CONTAINMENT SPRAY PUMP 31
Δ 31	32A	SERVICE WATER PUMP 31
Δ 37	32A	CONTAINMENT RECIRCULATING FAN 31
Δ 42	42A	SERVICE WATER PUMP 32
Δ 43	42A	COMPONENT COOLING PUMP 32
Δ 47	42A	CONTAINMENT RECIRCULATING FAN 32
Δ 48	42A	PREHEATER HEATER BACK-UP GROUP 32
Δ 71	71A	SERV. CE WATER PUMP 34
Δ 74	74A	CONTAINMENT RECIRCULATING FAN 32
Δ 87	87A	MISCELLANEOUS EQUIPMENT
Δ 88	87A	PREHEATER HEATER BACK-UP GROUP 33

6246



PER ITEM 1 OF EUP-367

PER ITEM 6 & 7 OF EUP-367

1	21A	REVISION FOR ITEMS 1-4	ENGR	SUP ENG	(W)
2	21A	REVISION FOR ITEMS 5-7	ENGR	SUP ENG	(W)
3	21A	REVISION FOR ITEMS 8-10	ENGR	SUP ENG	(W)
4	21A	REVISION FOR ITEMS 11-13	ENGR	SUP ENG	(W)
5	21A	REVISION FOR ITEMS 14-16	ENGR	SUP ENG	(W)
6	21A	REVISION FOR ITEMS 17-19	ENGR	SUP ENG	(W)
7	21A	REVISION FOR ITEMS 20-22	ENGR	SUP ENG	(W)
8	21A	REVISION FOR ITEMS 23-25	ENGR	SUP ENG	(W)
9	21A	REVISION FOR ITEMS 26-28	ENGR	SUP ENG	(W)
10	21A	REVISION FOR ITEMS 29-31	ENGR	SUP ENG	(W)
11	21A	REVISION FOR ITEMS 32-34	ENGR	SUP ENG	(W)
12	21A	REVISION FOR ITEMS 35-37	ENGR	SUP ENG	(W)
13	21A	REVISION FOR ITEMS 38-40	ENGR	SUP ENG	(W)
14	21A	REVISION FOR ITEMS 41-43	ENGR	SUP ENG	(W)
15	21A	REVISION FOR ITEMS 44-46	ENGR	SUP ENG	(W)
16	21A	REVISION FOR ITEMS 47-49	ENGR	SUP ENG	(W)
17	21A	REVISION FOR ITEMS 50-52	ENGR	SUP ENG	(W)
18	21A	REVISION FOR ITEMS 53-55	ENGR	SUP ENG	(W)
19	21A	REVISION FOR ITEMS 56-58	ENGR	SUP ENG	(W)
20	21A	REVISION FOR ITEMS 59-61	ENGR	SUP ENG	(W)
21	21A	REVISION FOR ITEMS 62-64	ENGR	SUP ENG	(W)
22	21A	REVISION FOR ITEMS 65-67	ENGR	SUP ENG	(W)
23	21A	REVISION FOR ITEMS 68-70	ENGR	SUP ENG	(W)
24	21A	REVISION FOR ITEMS 71-73	ENGR	SUP ENG	(W)
25	21A	REVISION FOR ITEMS 74-76	ENGR	SUP ENG	(W)
26	21A	REVISION FOR ITEMS 77-79	ENGR	SUP ENG	(W)
27	21A	REVISION FOR ITEMS 80-82	ENGR	SUP ENG	(W)
28	21A	REVISION FOR ITEMS 83-85	ENGR	SUP ENG	(W)
29	21A	REVISION FOR ITEMS 86-88	ENGR	SUP ENG	(W)
30	21A	REVISION FOR ITEMS 89-91	ENGR	SUP ENG	(W)
31	21A	REVISION FOR ITEMS 92-94	ENGR	SUP ENG	(W)
32	21A	REVISION FOR ITEMS 95-97	ENGR	SUP ENG	(W)
33	21A	REVISION FOR ITEMS 98-100	ENGR	SUP ENG	(W)

WESTINGHOUSE ELECTRIC CORPORATION	
FOR CONSOLIDATED EDISON COMPANY	
INDIAN POINT GENERATING STATION - UNIT NO. 3	
SCHEMATIC DIAGRAM	
480V. SWITCHGEAR 31	
SHEET NO. 1	
U.E. & C. DWG. NO.	CON. ED. CO. DWG. NO.
9321-LL-31173	D202469

811030058 ✓

