12177-EE-1BA-5

FROM 115KV SWYD (EE-1EA)
2ABS-X1 115KV-13.8KV-4.16KV 16.6/22.08/27.56MVA
TO 2NNS-SWG018 (EE-1P)
TO AUX BOILER NEUTRALS
13.8KV BUS 2NPS-SWG002 (EE-1G)
FROM 115 KV SWYD (EE-1EA)
2RTX-XSRIA 115KV-13.8KV-4.16KV 42/56/70MVA
TO 2NNS-SWG016 (EE-1P)
2RTX-SWG001
13.8KV BUS 2NPS-SWG001 (EE-1F)
2GMS-G1 1348.4 MVA-9PF 25KV-1800RPM
GEN
2GMS-XG1
2GMS-XG1
0.522Ω
0.522Ω
TO 345KV SWYD (EE-1FA)
2MTX-XM1A,1B,1C,(1D SPARE) 408 MVA 345KV-23.85KV
2STX-XNS1 100MVA 24.9KV 13.8KV
FROM 115KV SWYD (EE-1EA)
2RTX-XSRIB 115KV-13.8KV-4.16KV 42/56/70MVA
TO 2NNS-SWG017 (EE-1P)
13.8KV BUS 2NPS-SWG003 (EE-1H)
FROM 4.16KV BUS 2ENS*SWG101 (G) (EE-1CA)
2ATX-XS1 8.5/10.62MVA 13.2KV-4.16KV
TO 4.16KV BUS 2NNS-SWG011 (EE-1K)
4.16KV BUS 2NNS-SWG014 (EE-1M)
2NJS-X1F 1000/1350KVA 4.16 KV-600V
2NJS-X1E 1000/1350KVA 4.16 KV-600V
2NJS-X1C 1500/2025KVA 13.2 KV-600V
2NJS-X3C 1500/2025KVA 13.2KV-600V
2NJS-X1D 1500/2025KVA 13.2 KV-600V
2NJS-X3D 1500/2025KVA 13.2KV-600V
2NJS-X1B 1500/2025KVA 13.2KV-600V
2NJS-X3B 1500 2025KVA 13.2KV-600V
2NJS-X2G 1500/2025KVA 13.2KV-600V
2NJS-X1G 1500/2025 KVA 13.2KV-600V
2NJS-X1A 1500/2025KVA 13.2KV-600V
2NJS-X3A 1500/2025KVA 13.2 KV-600V
2ATX-XS3 8.5/10.62MVA 13.2KV-4.16KV
TO 4.16KV BUS 2NNS-SWG013 (EE-1L)
FROM 4.16KV BUS 2ENS*SWG103(-Y) (EE-1CA)
4.16KV BUS 2NNS-SWG015 (EE-1N)
2NJS-X3F 1000/1350KVA 4.16KV 600V
2NJS-X3E 1000/1350KVA 4.16KV 600V
600V BUS 2NJS-US5 (EE-1X)
600V BUS 2NJS-US1 (EE-1T)
600V BUS 2NJS-US2 (EE-1U)
600V BUS 2NJS-US3 (EE-1V)
600V BUS 2NJS-US4 (EE-1W)
600V BUS 2NJS-US7 (EE-1S)
600V BUS 2NJS-US6 (EE-1Y)
2BYS-CHGR1A1
2NJS-PNL500
2VBB-MCC005
2VBB-MCC006
2LAT-PNL100
600V BUS 2WPS-PNL100 (EE-18E)
600V BUS 2NJS-PNL100 (EE-18C)
600V BUS 2NHS-MCC003 (EE-1AD,EE-1AE)
600V BUS 2NHS-MCC008 NO (EE-1AL)
600V BUS 2LAR-PNL200 (EE-18F)
600V BUS 2WPS-PNL200 (EE-18E)
600V BUS 2NJS-PNL200 (EE-18C)
600V BUS 2NHS-MCC005 (EE-1AG)
600V BUS 2NHS-MCC014(EE-1AZ)
2VBB-TRSI
600V BUS 2WPS-PNL300 (EE-18E)
600V BUS 2NJS-PNL300 (EE-18D)
2LAT-PNL300
600V BUS 2NHS-MCC006 (EE-1AH,EE-1AJ)
2NJS-PNL401
600V BUS 2NJS-PNL402
2VBB-UPS38
600V BUS 2WPS-PNL400 (EE-18E)
600V BUS 2NJS-PNL400 (EE-18D)
600V BUS 2NHS-MCC013 (EE-1AF)
600V BUS 2NHS-MCC007(EE-1AK)
600V BUS 2LAS-PNL400 (EE-18F)
1 — 2NJS-PNL702
2 — 2NJS-PNL700
3 — 2NJS-PNL704
4 — 2NJS-PNL706
5 — 2NJS-PNL701
6 — 2NJS-PNL705
7 — 2NJS-PNL707
8 — 2NJS-PNL703
2NJS-PNL600
2VBB-XD601
2VBB-XD602
2BYS-CHGR1B
600V BUS 2NHS-MCC009 (EE-1AL)
2RPM-MG01A
2RPM-PNL1A
2RPM-X1A
600V BUS 2NHS-MCC011 (EE-1AP)
2RPM-MG01B
2RPM-PNL1B
2RPM-X1B 15KVA 600-120/240V (CONN FOR 120V)
2RPM-BKR1B
GE CO. PNL C72P002
120 VAC SCRAM VALVES PILOT SOLENOIDS (2CEC*PNL611)
120 VAC SCRAM VALVES PILOT SOLENOIDS (2CEC*PNL609)
2NJS-X1H 1500/2025 KVA 13.2 KV-600V
2NJS-X3H 1500/2025KVA 13.2KV-600V
2NJS-X1J 1500/2025 KVA 13.2KV-600V
2NJS-X3J 1500/2025KVA 13.2 KV-600V
2NJS-X1K 1500/2025KVA 13.2KV-600V
2NJS-X3K 1500/2025 KVA 13.2KV-600V
600V BUS 2NJS-US8 (EE-1CX)
600V BUS 2NJS-US9 (EE-1CY)
600V BUS 2NJS-US10 (EE-1CZ)
600V BUS 2LAN-PNL900 (EE-2A)
600V BUS 2NJS-PNL101 (EE-1BC)
600V BUS 2NHS-MCC002 (EE-1AB)
600V BUS 2NHS-MCC001 (EE-1AA)
2SC1-XD200
600V BUS 2NHS-MCC010 (EE-1AM)
600V BUS 2NHS-MCC015 (EE-1AE)

LEGEND
⬡ ALL CONTINUATIONS ARE ON THIS DWG.
UPS N ← NORMAL, A ← ALTERNATE, B ← BACK-UP

NOTES:
1. GENERAL NOTES, REFERENCES AND ADDITIONAL SYMBOLS EE-1CA.
2. FOR CONTINUATION OF NORMAL BUS ONE LINE DIAGRAM SEE EE-1BH

PRC APERTURE CARD

D

APPROVED K.K.Khanna
LICENSED PROFESSIONAL ENGINEER, NO. 55786 STATE OF NEW YORK
ALTERATION EXCEPT BY A LICENSED PROFESSIONAL ENGINEER IS ILLEGAL

QA CAT II

ONE LINE DIAGRAM NORMAL BUS POWER DISTRIBUTION

NINE MILE POINT NUCLEAR STATION — UNIT 2
NIAGARA MOHAWK POWER CORPORATION
STONE & WEBSTER ENGINEERING CORPORATION
CHERRY HILL, N.J.

CH

DRAWING NUMBER 12177-EE-1BA-5

DESIGNED BY T. PINCUS DRAWN BY F. ALFE
DSGN CHK'D BY P. ALCAVAGE CHK'D BY L. CHEESEMAN
AREAS 1 THRU 5 LEVELS WORK PKG 33A

ISSUE 0 — ISSUED FOR DESIGN REVIEW — SEE RECORD OF DWG CHANGES BCE-1BA-4
ISSUE A — REDRAWN, REVISED LOAD CENTERS SWGR AND DISTR PANELS
ISSUE 1 — ORIGINAL ISSUE — FOR ENGINEERING ONLY
ISSUE 2 — SUPERSEDED BY DWG EE-1BA-3
ISSUE B — SEE RECORD OF DWG CHANGES BCE-1BA-5

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BLDG ENGR K.KHANNA
SOIL CORR C. LANE