TRAIN "A"

125 VDC DISTR PNL #21
(O.E.&C. DWG # 9321-F-30083)

(+)

TRAI-1 · TRAI-4 · TRAI-8

TC415XA1 · TC445XA1 · TC415XA1 · TC415XA2 · TC455XA2 · TC415XA2 · PC415XA · PC455XA · PC415XA · PC445XA1 · PC445XA2 · PC445XA

C1 · C2

RELAY "OPXA1" COIL · RELAY "OPXA2" COIL · RELAY "OPXA" COIL

TRAI-2 · TRAI-5 · TRAI-8

(−)

OPXA1 REL. · OPXA2 REL. · OPXA REL.

FBF PNL(V535) · CS/A1 · CS/B1 · FCF PNL(V536)

TRA5-3 · TRA5-4 · TRA5-5 · TRA7-2 · TRA7-4

T34 · T33 · T53 · T72 · T55 · T74

SG1-1(ALP) · SG1-1(ALG-05)

TO OPEN CIRCUIT M.O.V 536
SEE WHSE DWG

TO RCS OVERPRESS. TRIP TRAIN 'A' ALARM (SG PNL.)
[ALARM ANNUN. PT.(1-2)]

TO OPEN CIRCUIT PCV VALVE 456
SEE WHSE. DWG.

RELAY COIL

SPXA1 (SPARE RELAY) · SPXA2 (SPARE RELAY) · SPXA3 (SPARE RELAY)

TRAIN "B"

125 VDC DISTR PNL #22A
(O.E.&C. DWG # 9321-F-30085)

(+)

TRAI-1 · TRAI-4 · TRAI-8

TC415XB1 · TC445XB1 · TC415XB1 · TC415XB2 · TC455XB2 · TC415XB2 · PC415XB · PC455XB · PC415XB · PC445XB · PC445XB · PC455XB

C1 · C2

RELAY "OPXB1" COIL · RELAY "OPXB2" COIL · RELAY "OPXB" COIL

TRAI-2 · TRAI-5 · TRAI-8

(−)

RELAY OPX B1 · RELAY OPX B2 · RELAY OPX B

FBF (PNL V535) · CS/B1 · CS/A1 · FCF PNL(V536)

TRA5-3 · TRA5-4 · TRA5-5 · TRA7-2 · TRA7-4

T54 · T55 · T53 · T72 · T55 · T74

SG2-2(ALP) · SG2-2(ALG-06)

TO OPEN CIRCUIT M.O.V 535
SEE WHSE DWG

TO RCS OVERPRESSURE TRIP TRAIN 'B' ALARM (SG PNL.)
[ALARM ANNUN. PT.(2-2)]

TO OPEN CIRCUIT PCV VALVE 455C
SEE WHSE. DWG.

RELAY COIL

SPXB1 (SPARE RELAY) · SPXB2 (SPARE RELAY) · SPXB3 (SPARE RELAY)

INTER-TRAIN/INTER CHANNEL ALARMS & INDICATIONS

TC415XA1 · TC415XB1 — CH. I STATUS LIGHT FOR "TC415" (MOV) FOR CONT. SEE DWG

TC445XA1 RELAY · TC433XA1 RELAY · TC415XA1 RELAY · TC415XB1 RELAY · TC433XB1 RELAY · TC413XB1 RELAY

RCS OVERPRESS SYS TEMP. TRIP ALARM ("SG" PNL.) [ANNUN. ALARM PT.(3-7)]

SG1-10 · SG2-11(ALP) · SG1-10(11) · SG2-11(ALG-27)

TC415XA2 RELAY · TC415XB2 RELAY — CH. I STATUS LIGHT FOR "TC415" (PCV) FOR CONT. SEE DWG

PC445XA · PC435XA · PC415XA · PC435XB · PC415XB

E.I.S. OVERPRESS. SYS. PRESS TRIP ("SG" PNL.) [ANNUN. ALARM PT.(2-7)]

SG1-10(8) · SG2-2(ALP) · SG2-2(ALG-26) · SG1-10(9)

PC415XA RELAY · PC415XB RELAY — CH. I STATUS LIGHT FOR "PC415" FOR CONT. SEE DWG

OPXB2 RELAY · OPXA2 RELAY

STATUS LIGHT "ANY RCS OVERPRESS. TRAIN ARMED ("FCF" PNL.)

DPDT IXA · DPDT IXB — (CH I) PC413C STATUS LIGHT

TC435XA1 RELAY · TC435XB1 RELAY — CH. II STATUS LIGHT FOR "TC435" (MOV) FOR CONT. SEE DWG

DPDT IIXA · DPDT IIXB — (CH II) PC435C STATUS LIGHT

TC435XA2 RELAY · TC435XB2 RELAY — CH. II STATUS LIGHT FOR "TC435" (PCV) FOR CONT. SEE DWG

PC435C · PC435L · PC445XC

IMPENDING RCS OVERPRESS ALARM "SG" PNL. [ALARM ANNUN. PT.(4-7)]

SG1-1(ALP) · SG1-11B · SG2-12(3) · SG2-12(9) · T32 · SG1-2(4) · SG2-12(10) · SG1-2(3) · SG2-12(4) · ALG-28

DPDT IVXA · DPDT IVXB — (CH IV) PC435C STATUS LIGHT

CHANN. (I) DOOR SW. · CHANN. (II) DOOR SW. · CHANN. (III) DOOR SW. · CHANN. (IV) DOOR SW.

RCS OVERPRESSURIZATION CUBICLE DOOR OPEN (SG PNL) (ANNUN. ALARM PT. (with E))

PC445XA RELAY · PC435XA RELAY · PC415XA RELAY · PC435XB RELAY · PC415XB RELAY — CH. II STATUS LIGHT FOR "PC435" FOR CONT. SEE DWG

DPDT IIXA · DPDT IIXB · DPDT IXB

OVERPRESSURIZTN (RATE OF PRESSURE CHANGE ARMED (SG PNL.) (ANNUN. ALARM PT. 4-9)

TC445XA1 RELAY · TC415XA1 RELAY · TC415XB1 RELAY — CH. IV STATUS LIGHT FOR "TC445" (MOV) FOR CONT. SEE DWG

DPDT IIXA1 · DPDT IXA1 · DPDT IIXB1 · DPDT IXB1

OVERPRESSURIZTN HI-RATE OF PRESS CHANGE (SG PNL) (ANNUN. ALARM PT. 4-8)

TC445XA2 RELAY · TC435XB2 RELAY — CH. IV STATUS LIGHT FOR "TC445" (PCV) FOR CONT. SEE DWG

OPXA2 · OPXA · OPXB2 · OPXB

RCS OVERPRESSURIZATION ACTUATED TRAIN "A" STATUS LIGHT FRONT SEE DWG

RCS OVERPRESSURIZATION ACTUATED TRAIN "B" STATUS LIGHT

PC445XA RELAY · PC435XA RELAY · PC415XA RELAY · PC435XB RELAY · PC415XB RELAY — CH. III STATUS LIGHT FOR "PC445" FOR CONT SEE DWG

TS PT413 · TS PT433 · TS PT443

RCS OVERPRESSURIZTN CHANNEL IN TEST (SG PANEL) (ANNUNCIATOR PT. (IVE))

P.R.C. APERTURE CARD

POOR ORIGINAL

8/11/10 2 C1

TERA APERTURE CARD

THIS DRAWING CONTAINS "CLASS A" ITEMS AS DEFINED BY CORPORATE PROCEDURE CI-240-1

REVISIONS: 0

THIS DWG IS CLASS A PER CI 240-1 IN CONN. WITH THE INSTALL OF RCS-OPS RELEASED FOR INFORM FOR ELECT CONSTR. IN ACCORD WITH CON EDISON CO. MCG PR.100 & ES-9.1. COASTAL TN 6833 JH 8/17

A206799-0

CONSOLIDATED EDISON CO. OF NEW YORK, INC.

STATION LOCATION: INDIAN POINT # 2
RCS OVERPRESSURIZATION SYS D.C. SCHEMATIC TRAIN 'A' & 'B'

SCALE: NONE · DRAWN BY: RDT · RECORDED · DWG. No. 6833 · CHECKED BY · ENG. · DSGN. · ELECT. · MECH. · STRUCT. · DIST.

APPROVALS

GENERAL ENGINEERING	CHIEF DESIGN ENGINEER	
MECHANICAL ENGINEERING	MECH. PLANT ENGINEER	
CIVIL ENGINEERING	PLANT STRUCT. ENGINEER	
	T&D STRUCT. ENGINEER	
ELECTRICAL ENGINEERING	STATION ELECT. ENGINEER	
	T & D ENGINEER	
G & A/STEAM OPERATIONS	STRUCT. ENGINEER	
PRODUCTION	CONVENTIONAL POWER	
	NUCLEAR POWER	

BRUNING 4451 2689
929 D8