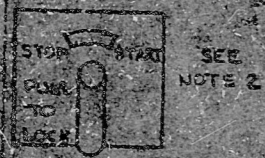


DEVELOPMENT NO. 1
CIRCUIT BREAKER CONTROL SWITCH 01

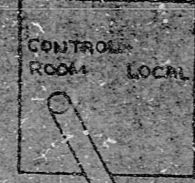
CONTACTS HANDLE END	POSITIONS			
	START	NORMAL	STOP	PULL TO LOCK
0-1-0 0-1-0			X	X
0-1-0 0-1-0			X	
0-1-0 0-1-0				
0-1-0 0-1-0				
0-1-0 0-1-0	X		X	X
0-1-0 0-1-0	X		X	X

SPRING RETURN TO NORMAL



DEVELOPMENT NO. 2
TRANSFER CONTROL SWITCH 43

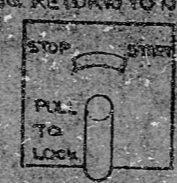
CONTACTS HANDLE END	POSITIONS	
	LOCAL	CONTROL ROOM
0-1-0 0-1-0	X	
0-1-0 0-1-0	X	
0-1-0 0-1-0		X
0-1-0 0-1-0		X
0-1-0 0-1-0	X	
0-1-0 0-1-0	X	
0-1-0 0-1-0	X	
0-1-0 0-1-0	X	
0-1-0 0-1-0	X	
0-1-0 0-1-0	X	



DEVELOPMENT NO. 3
CIRCUIT BREAKER CONTROL SW 01

CONTACT HANDLE END	POSITION			
	START	NORMAL	STOP	PULL TO LOCK
0-1-0 0-1-0	X			
0-1-0 0-1-0	X	X	X	X
0-1-0 0-1-0	X	X	X	X
0-1-0 0-1-0	X	X	X	X
0-1-0 0-1-0	X	X	X	X
0-1-0 0-1-0	X	X	X	X
0-1-0 0-1-0	X	X	X	X
0-1-0 0-1-0	X	X	X	X
0-1-0 0-1-0	X	X	X	X
0-1-0 0-1-0	X	X	X	X
0-1-0 0-1-0	X	X	X	X
0-1-0 0-1-0	X	X	X	X
0-1-0 0-1-0	X	X	X	X
0-1-0 0-1-0	X	X	X	X
0-1-0 0-1-0	X	X	X	X
0-1-0 0-1-0	X	X	X	X
0-1-0 0-1-0	X	X	X	X

SPRING RETURN TO NORMAL



DEVELOPMENT 4
CIRCUIT BREAKER CONTROL SWITCH

CONTACT HANDLE END	POSITIONS		
	ON	AUTO	OFF
0-1-0 0-1-0		X	X
0-1-0 0-1-0	X		
0-1-0 0-1-0		X	X
0-1-0 0-1-0	X		
0-1-0 0-1-0	X		X
0-1-0 0-1-0	X		

SPRING RETURN FROM ON TO AUTO

REV.	DESCRIPTION	BY DATE	CHK DATE	ENG DATE	PROJ DATE
03	INITIALLY RELEASED, UPGRADE TO SA 15 PER REQ. 8473-297				

POWER SYSTEMS
CONSULTING ENGINEERS INC.
NUCLEAR POWER SYSTEMS

CUSTOMER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NUCLEAR PROJECTS A AND B

JOB NO. 524510
DRAWING CODE: ~

DESIGNED BY: SOCAL
CHECKED BY: [Signature]
APPROVED BY: [Signature]

TITLE: CONTROL SWITCH DEVELOPMENT

DWG. NO. B-2473-414-062
SHEET OF REV. 03

APPROVED REFERENCE DESIGN

FOR 69 SWITCHES ESCUTCHION SHOULD READ 'TRIP AND CLOSE ONLY' MOMENTARY POSITIONS.
X DENOTES CONTACT CLOSED.

POOR ORIGINAL

PRC APERTURE CARD

FILE COPY
DO NOT SEND FROM OFFICE
ORIGINAL SENT TO SITE

DISCIPLINE COMMENTS
DUE BY 1/21/82

DESIGN FOR	DISCIPLINE	ENGINEERING FOR		
		DESIGN	CHK	APP
MECHANICAL				
CIVIL - A/S				
CIVIL - CIV				
CIVIL - ELEC				
ELECTRICAL				
INSTR. & CONTROL				
PLUMBING				
HVAC				
APPLIED PHYSICS				
WTR. TREAT.				
RADWASTE				
SHIELDING				
MATERIALS				
STRESS SUPP. & TESTING				
CONSTR.				
QA/QC				
PROG.				
WELD.				
INDUST. DOCUMENT CONTROL				
LABORATORY				

3240-2498 R1

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPPSS NUCLEAR PROJECT NO. 3

PO: CE 2083

ITEM:

SBM CONTROL SWITCH DEVELOPMENT

DATE: 1/10/82
M 113/82

ESASCO SERVICES INCORPORATED

RIDS

~~803~~8302230015

