



VOLTMETER

A-B
B-C
A-C
OFF
+

VS		VOLT METER SWITCH			
CONTACTS		NAMEPLATE (F.V.)			
HANDLE END		A-C	A-B	B-C	OFF
1	10	X		X	
2	20	X	X		
3	30		X		
4	40	X			

GE CO. 5BM 10AA004 KNURLED HANDLE
MAINTAINED CONTACTS X-CLOSED CONTACT

- LEGEND:
- a AUXILIARY SWITCH CONTACT OPEN WHEN BREAKER IS OPEN.
 - b AUXILIARY SWITCH CONTACT CLOSED WHEN BREAKER IS OPEN.
 - L AUXILIARY SWITCH MOUNTED ON LEFT HAND SIDE.
 - R AUXILIARY SWITCH MOUNTED ON RIGHT HAND SIDE.
 - LS/1 & LS/2 LIMIT SWITCH CONTACT CLOSED WHEN SPRINGS ARE DISCHARGED, OPEN WHEN SPRINGS ARE CHARGED.
 - LS/2 LIMIT SWITCH CONTACT OPEN WHEN SPRINGS ARE DISCHARGED, CLOSED WHEN SPRINGS ARE CHARGED.
 - r ALARM CONTACT CLOSING ON OVERCURRENT TRIP, MANUALLY RESET.
 - S ALARM CONTACT OPENING ON OVERCURRENT TRIP, MANUALLY RESET.
 - X CLOSING LATCH RELEASE COIL
 - Y CONTROL RELAY LOCKOUT COIL
 - Y/1 NORMALLY OPEN CONTROL RELAY CONTACT
 - Y/2 NORMALLY CLOSED CONTROL RELAY CONTACT
 - KNIFE BLADE WIRE DISCONNECTS
 - TC SHUNT TRIP COIL
 - > MOVABLE SECONDARY DISCONNECT CONTACT
 - DISCONNECT PLUG PIN AND RECEPTACLE

AMMETER		AS		AMMETER SWITCH			
B		CONTACTS		NAMEPLATE (F.V.)			
C		HANDLE END		A	B	C	CONTACT LOCATION
1	10	X	X	X	X		
2	20	X	X				
3	30	X	X	X	X		
4	40	X	X				
5	50	X	X	X	X		
6	60	X	X				

GE CO. 5BM 10A*008 KNURLED HANDLE
MAINTAINED CONTACTS X-CLOSED CONTACT
* OVERLAPPING CONTACT

TERA
APERTURE
CARD

REV. 2013												THE CLEVELAND ELECTRIC ILLUMINATING CO.											
PERRY NUCLEAR POWER PLANT												UNIT 1 & 2											
ELECTRICAL-ELEMENTARY DIAGRAM												480 V											
SWITCHGEAR INTERNALS												DRAWING NUMBER											
SYSTEM												SH. NO.											
REV.												REV.											
ELEM												DIAG											
480V												SWITCHGEAR											
INTERNAL												INTERNAL											

READING	PA.	DATE	RELEASED FOR	ENGR.	DATE	RELEASED FOR	ENGR.
044549-000	CAG	WJC	DEC	WJS	10-2-79	04	4549
GILBERT ASSOCIATES, INC.				ENGINEERS AND CONSULTANTS			
MADE				CHKD.			
DR. APP.				ENG. APP.			
DATE				DATE			

RIDS PDR

8103230931

