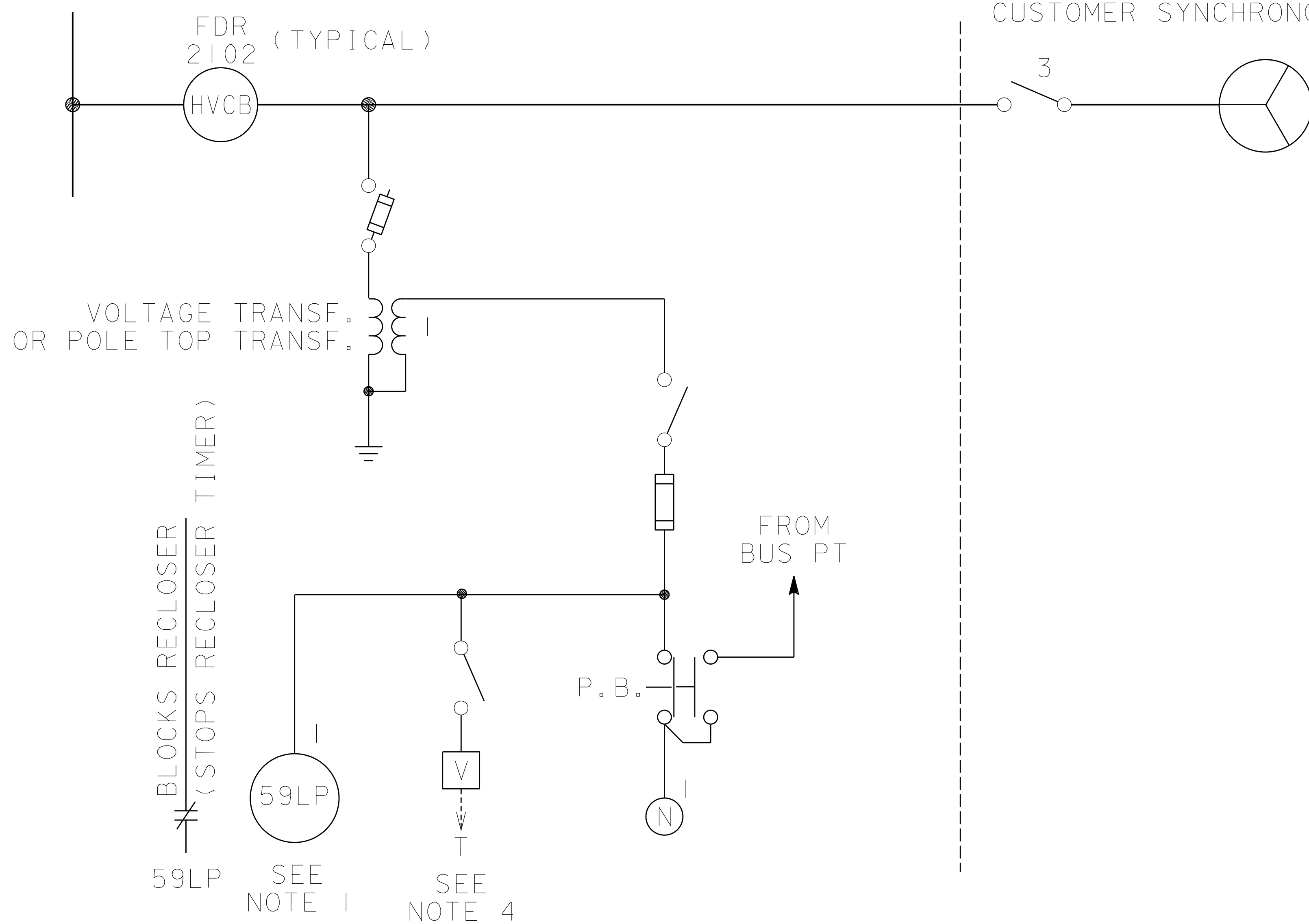
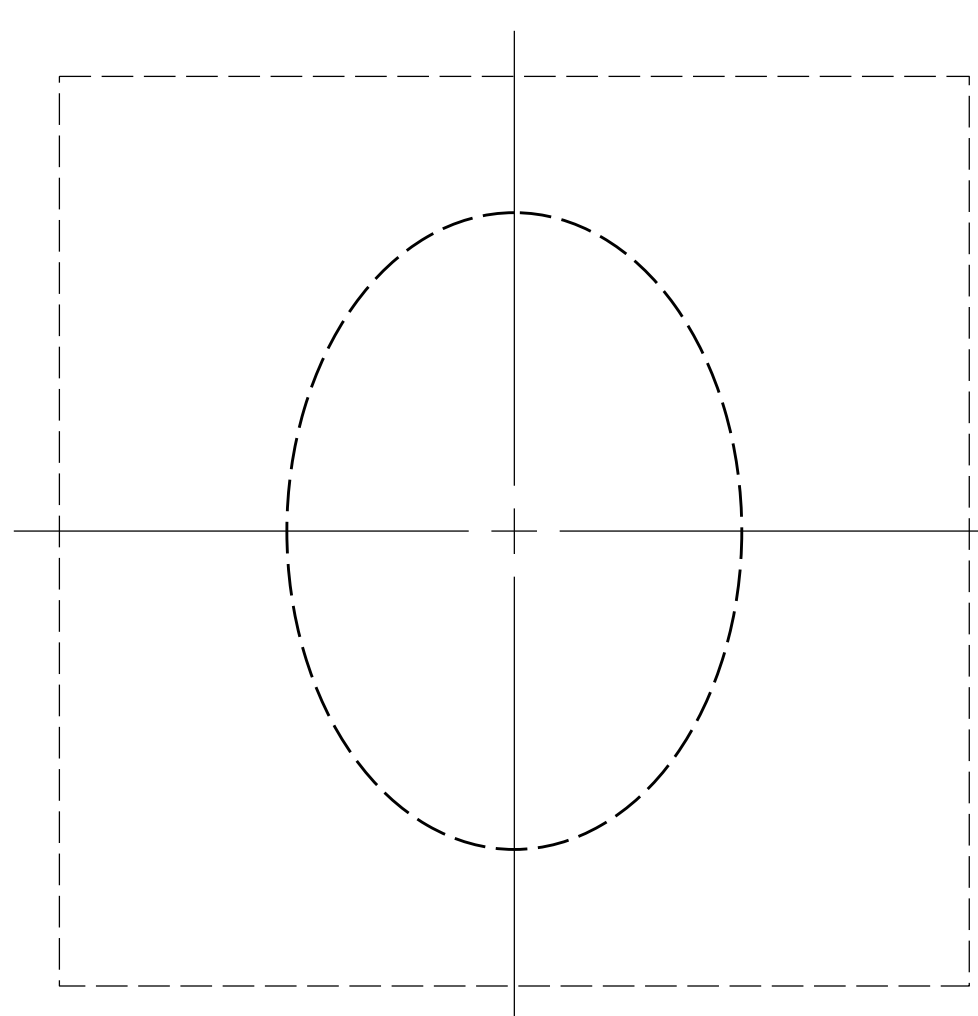
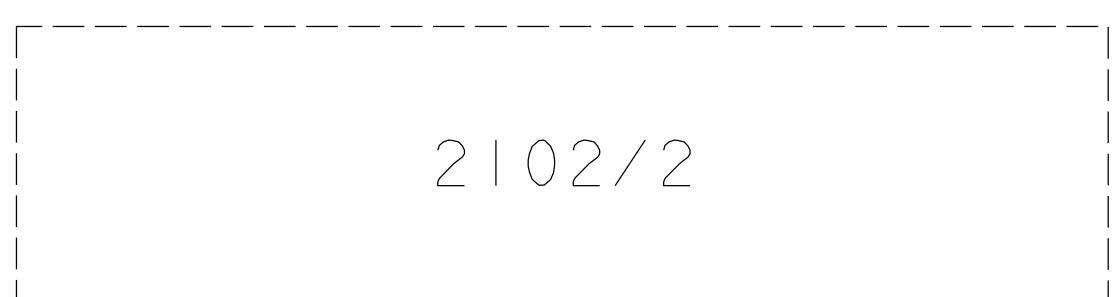


P.G. & E. SUBSTATION

CUSTOMER SYNCHRONOUS GENERATOR



SCHEMATIC DIAGRAM



FEEDER BREAKER CONTROL SWITCH

LETTER SIZE 5

WARNING  
GENERATOR ON THIS FEEDER  
IF LINE POTENTIAL LIGHT IS ON,  
DO NOT CLOSE FEEDER BREAKER  
WITHOUT SPECIFIC ORDERS FROM  
THE SWITCHING CENTER

LETTER SIZE 7

2"

4"

RED \*  
FACE WITH  
WHITE CORE  
FORMICA TYPE  
ES-1 NO. 275

FDR 2102  
LINE POTENTIAL

\* (N)

LAMP TEST

\* (PB)

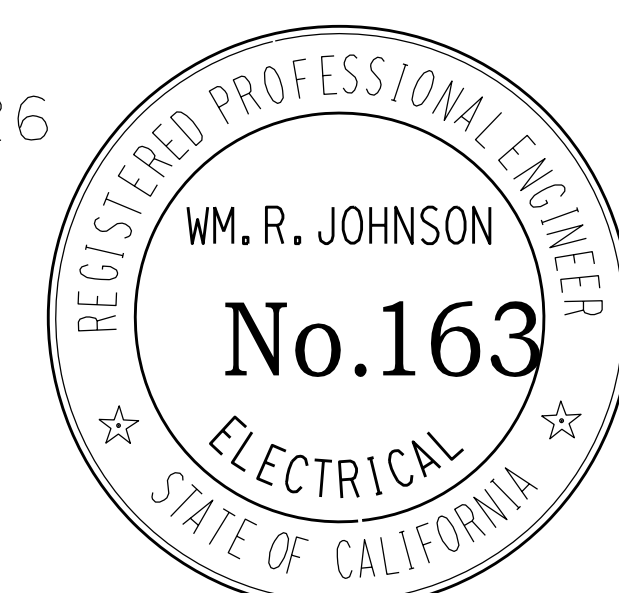
\*  
BLACK FACE  
WITH WHITE  
CORE FORMICA  
TYPE ES-1 NO. 840  
FIG. NO. 10  
LETTER SIZE 7

NOTES

- USE ONE OF THE FOLLOWING RELAYS:  
BASLER ELEC., TYPE BEI-59, STYLE A2G-AIY-AOSOF, SEL 2411.
- LOCATE THESE ITEMS AS CLOSE TO FEEDER  
BREAKER CONTROL SWITCH AS POSSIBLE  
TO SUIT IN FIELD
- FOR SOLID STATE RECLOSING APPLICATION, SEE EDS 357971
- VOLT TRANSDUCER IS ONLY FOR SUBSTATION EQUIPPED WITH SCADA

REFERENCES

NAMEPLATE FOR GENERAL USE..... EDS 027818  
ARRANGEMENT OF OUTDOOR SINGLE PHASE &  
3Ø VOLTAGE TRANSFORMER SECONDARY  
CUTOUTS..... EDS 070426



CONTROL PANEL IN FEEDER 2102  
HIGH VOLTAGE CIRCUIT BREAKER

SUBSTATION & TRANSMISSION	SUBSTATION	ELECTRICAL	-	DESIGN AND REQUIREMENT	ACTIVE	STANDARD	GENERATOR			
BUSINESS LINE	FACILITY TYPE	DISCIPLINE	FACILITY NAME	DRAWING TYPE	STATUS	PROJECT	FACILITY COMPONENT			
APPROVED BY	8	10-10-06	CHGD NOTE 1 AND ADDED FUSE DISC SW FOR VOLTAGE TRANSF.				DGL			GOD
PKN	9	11-14-07	ADDED DRAWING INDEX AND "FOR REFERENCE ONLY"				RCF	SHK	KMT	KMT
VET	10	4-27-11	REMOVED "FOR REFERENCE ONLY" AND REVISED DWG.				RJM	GOD		GOD
	11	09-17-14	REMOVED MVTU, MICOM AND ADDED SEL 2411 TO NOTE 1.				SZ	GOD		GOD
JBB	CHG	DATE	DESCRIPTION				BY	CH	SUPV	APPRD
SUPERV. BY K. GREDIAKIN	ELECTRICAL DESIGN STANDARD						B/M			
DSGN. D. SHAWVER	<p style="text-align: center;">REQUIREMENTS FOR DISTRIBUTION FEEDER WITH SYNCHRONOUS GENERATING EQUIPMENT</p> <p style="text-align: center;">SUBSTATION ENGINEERING PACIFIC GAS AND ELECTRIC COMPANY SAN FRANCISCO, CALIFORNIA</p>						DWG LIST			
DR. J. FELIX							SUPSDS			
CH. DGS							SUPSD BY			
O.K. KLG							SHEET NO.		SHEETS	
DATE	SCALE					DRAWING NUMBER		CHANGE		
2-14-78	NONE					053826		11		
						MICROFILM				