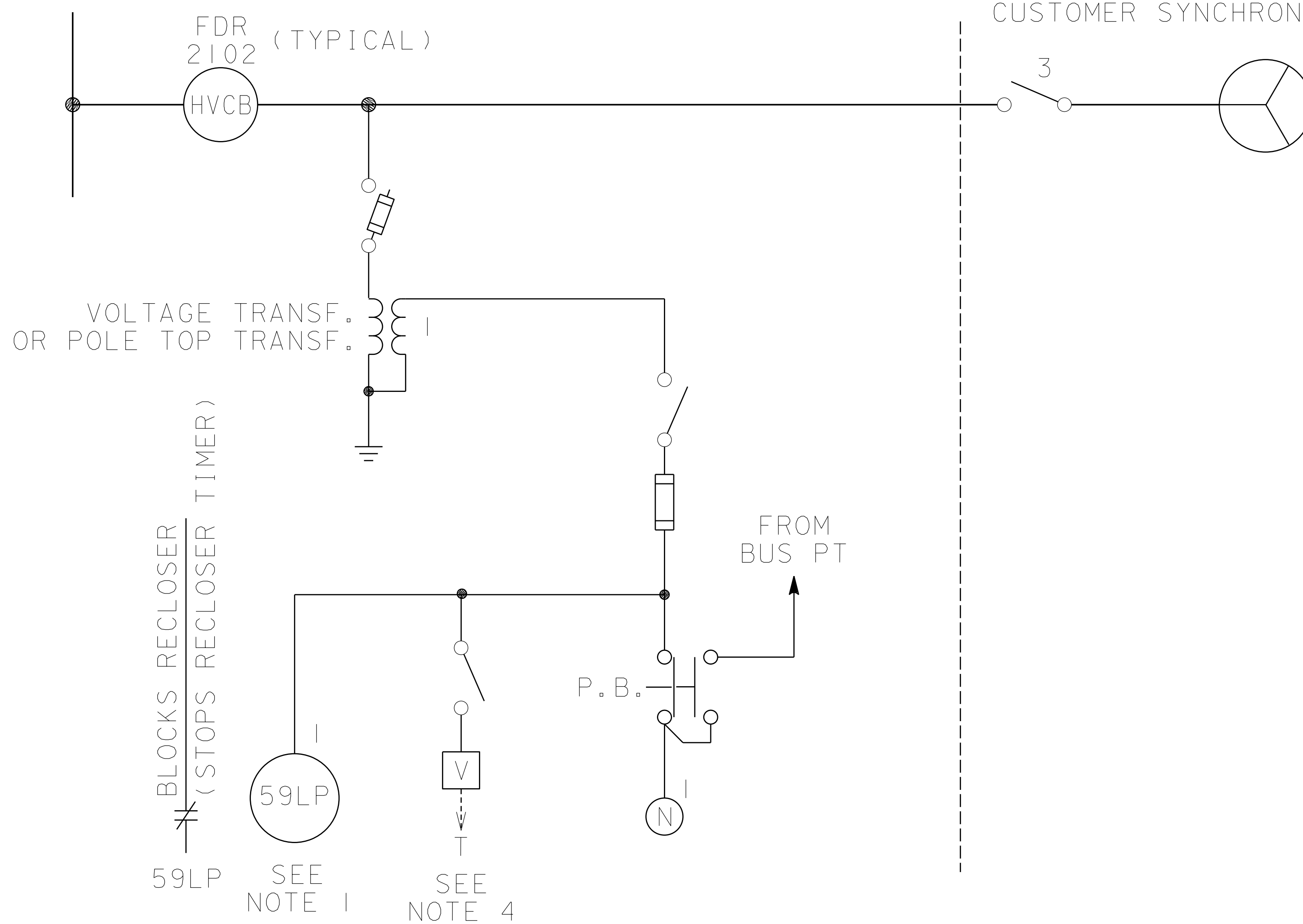
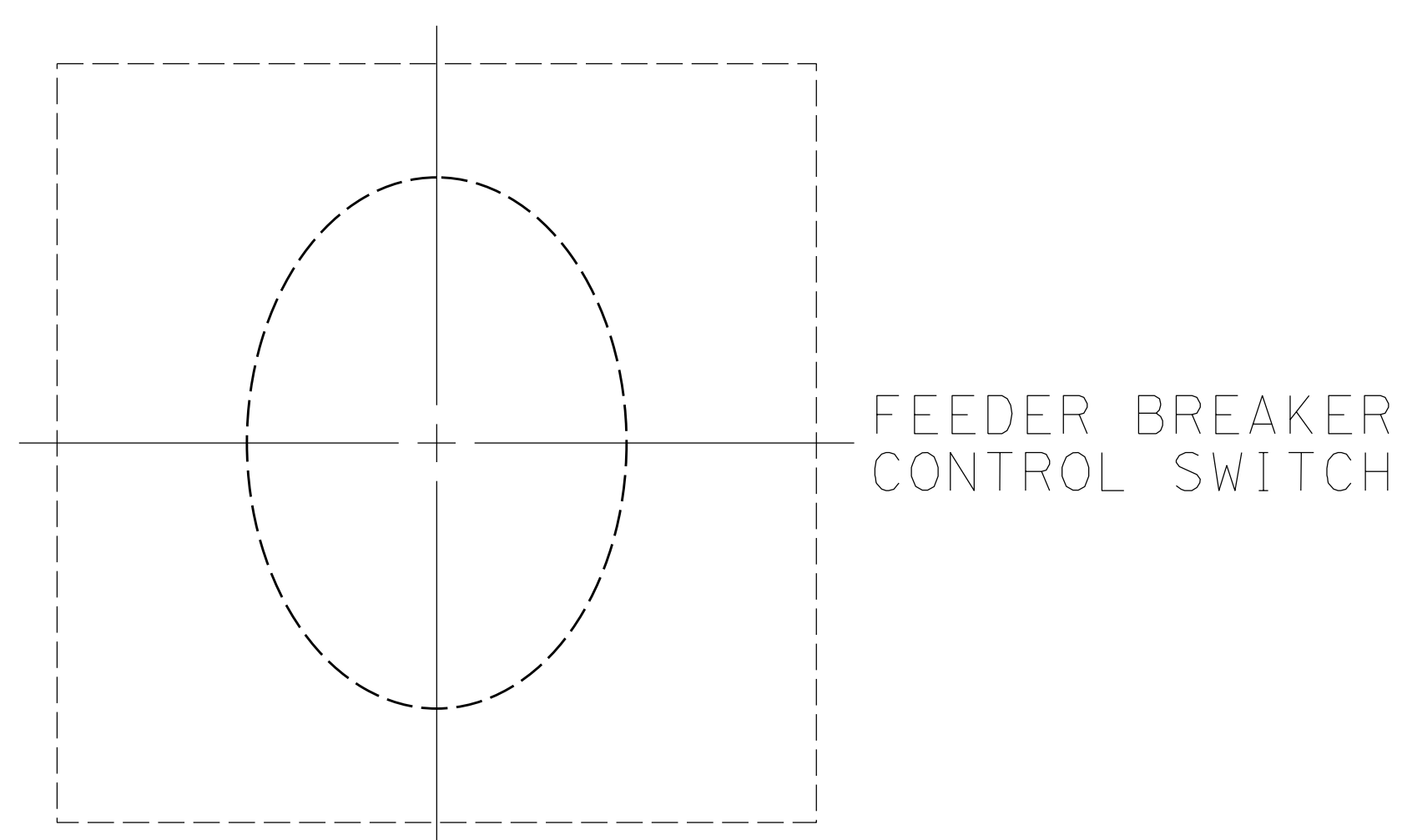
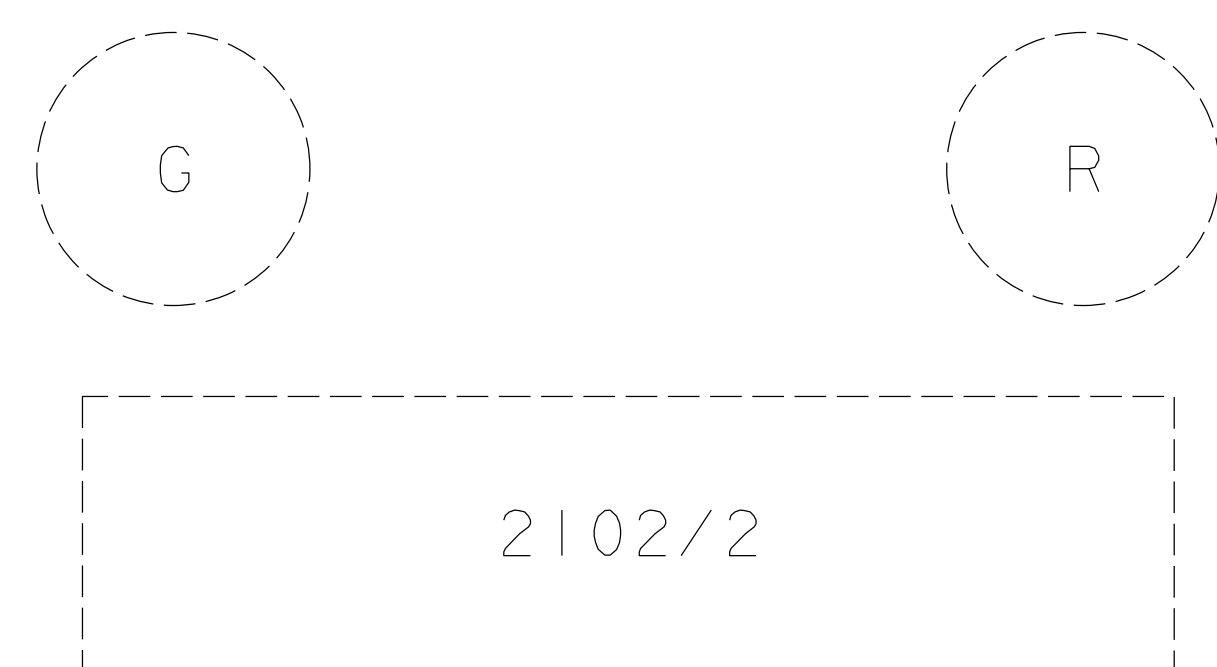


P.G. & E. SUBSTATION

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"

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			UNIT	
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	REQUIREMENTS FOR DISTRIBUTION FEEDER WITH SYNCHRONOUS GENERATING EQUIPMENT						DWG LIST				
DR. J. FELIX	SUBSTATION ENGINEERING						SUPSDS				
CH. DGS	PACIFIC GAS AND ELECTRIC COMPANY SAN FRANCISCO, CALIFORNIA						SUPSD BY				
O.K. KLG							SHEET NO.		SHEETS		
DATE	SCALE					DRAWING NUMBER		CHANGE			
2-14-78	NONE					053826		11			