



Notes:

\* Only critical protection relaying is shown. Independent device 47N3 and fuses on PFC capacitors not shown. Independent physical devices (from the micro) are shown with heavier circle. Device 59N1 is utility grade and is shown wired in two alternate arrangements, each requiring PG&E's acceptance.

\* All micro based devices are utility grade. Other devices are industrial grade or realized in the Control Computer; see Relay List.

\* Relay settings for ground fault protection will be initially set per PG&E and final settings determined in consultation with PG&E by field experience. DH suggested initial settings provided in Relay List.

\* PLC control computer/logging connections, security, temperatures, water, battery, and oil levels, and process control relaying are not shown here.

\* Current Transformers 7, 8, and 9 are internal to device 52.

\* Wiring shown as generator wired for high impedance grounding WYE wired. If wired delta, optional devices 59GN, 27-3N, and 51NG will not be present.

SCALE		TITLE
None	INDEX	
DRAWN BY	DATE	
3 Line Protection Relaying		

ELY	5/6/05	
DATE	Project	Rock Creek Retrofit Project

DESIGNER/ENGINEER Staff	CONTACT 530 753-8864	File rc/rlfings/P&GE_interconnection/Electricalgraphics/rc-3_line_rev5
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DWG NO	3010
REVISION	

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