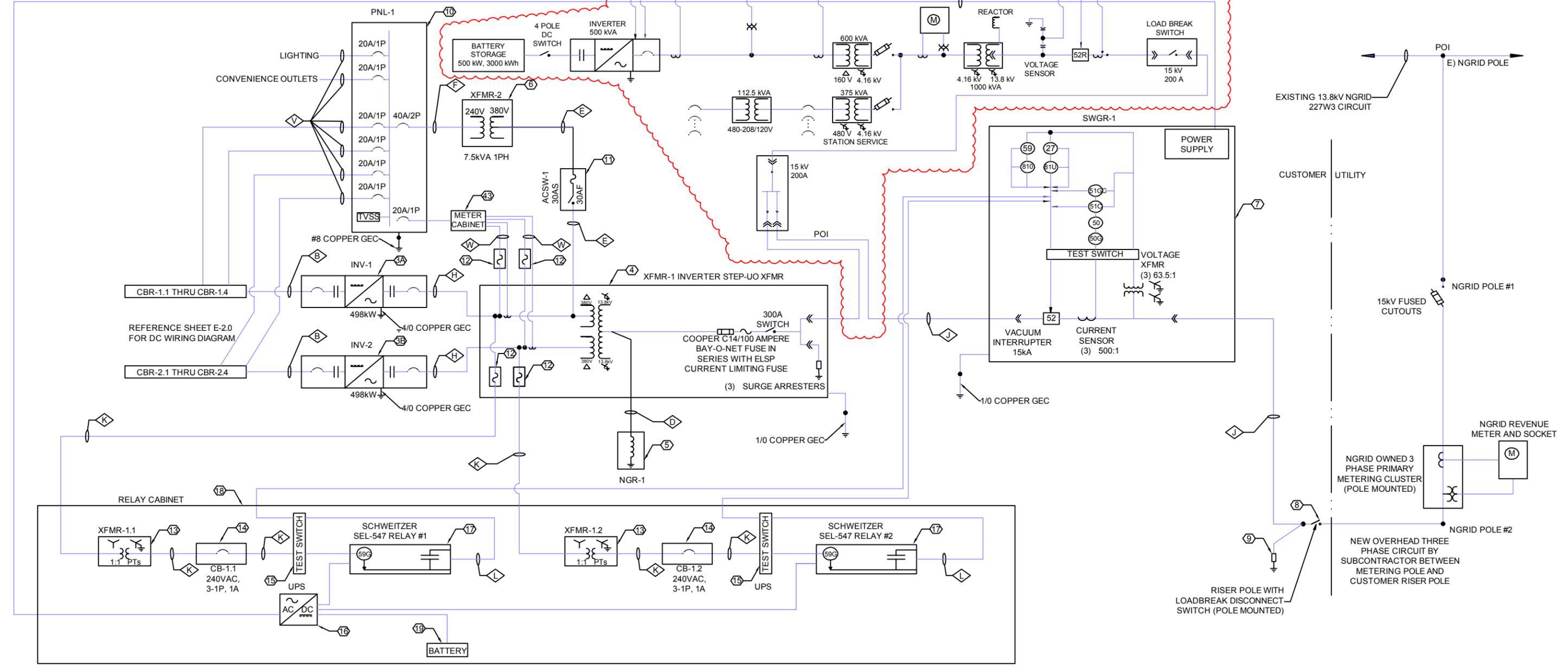


WIRING SCHEDULE - AC CONDUCTORS					
TAG	CIRCUIT TYPE	DESCRIPTION	FILL %	CONDUIT TYPE	NOTES
◇	NGR	1x#1/0 AL MV105, IN 2" C	22.9%	PVC	
◇	POWER SUPPLY CIRCUIT	2x#10 THWN-2, #10EG, IN 1" C	7.6%	PVC UNDERGROUND, RMC ABOVE GRADE	1 SPARE CONDUIT
◇	POWER SUPPLY CIRCUIT	3x#8 THWN-2, #10EG, IN 1" C	17.6%	PVC UNDERGROUND, RMC ABOVE GRADE	1 SPARE CONDUIT
◇	INV OUTPUT CIRCUIT	3 SETS OF 3x600 AL THWN-2, #4/OEG, IN 3" C PER SET	35.9%	PVC	
◇	XFMR OUTPUT CIRCUIT	3x#1/0 AL MV105, #4EG, IN 4" C	19.2%	PVC	1 SPARE CONDUIT
◇	PT OUTPUT TO SEL 547	3x#12 THWN-2, IN 1" C	4.8%	PVC UNDERGROUND, RMC ABOVE GRADE	1 SPARE CONDUIT
◇	RELAY TRIP	2x#12 THWN-2, IN 1" C	3.2%	PVC	1 SPARE CONDUIT
◇	POWER SUPPLY CIRCUIT	2x#12 THWN-2, #12EGC, IN 1" C	4.8%	PVC UNDERGROUND, RMC ABOVE GRADE	1 SPARE CONDUIT
◇	CT CIRCUITS AND VOLTAGE TAPS	9x#14 (TWO PER CT, ONE PER VT), 1x#14EGG, IN 1" C	31.7%	PVC UNDERGROUND, RMC ABOVE GRADE	1 SPARE CONDUIT

SHEET NOTES

- ELECTRICAL DESIGN ON UTILITY SIDE OF POCC IS BASED ON UTILITY REVIEW OF THE INTERCONNECTION APPLICATION FINAL CONFIGURATION SUBJECT TO THE UTILITY FINAL ENGINEERING.
- GEC TO CONNECT TO GROUND RING.

BATTERY STORAGE FOR MORE DETAILS SEE EPS DWG # MAN17077-D-0101



AC SINGLE LINE DIAGRAM
SCALE: NTS

REVISIONS		
REV.	DESCRIPTION	APVD/DATE
	ADDITION ON BATTERY STORAGE	10/17/2017

RC-US EM MS STO
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CUSTOMER: SHIRLEY
PROJECT NO.: SHIRLEY
ENGINEER: SYED ANWAR
PLANT: SHIRLEY ENERGY PLANT

TITLE: OVERALL SHIRLEY SINGLE LINE
PROJECT MANAGER:
SCALE: CLASS: SIZE: B

TYPE	IDENTIFICATION CODE	SHT	REV.
DRAWN: ST	PSEUDO:		
DATE: 10/17/2017	WBS:		
DRAWING NO. E-2.1-SIEMENS			