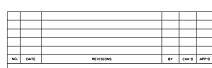
## NOTES: DRAFT HAWI MICROGRID BESS SITE 1.24 HOUR ACCESS: SW #3313 TO HRD WIND FARM INSPECTION, TESTING, AND MAINTENANCE. SW SW #3311 #3309 ΤO (3)C.T(3)C.T. (3)C.T.(3)C.T. TO HAWI m m 52 mm WAIMEA/HAUULA SUBSTATION SUBSTATION TO HECO RTU PROJECT SITE RELAY RELAY RELAY RELAY (3) MET PT'S SITE EVENT RECORDER 87 87 HECO HECO (3) MET CT'S REVENUE REVENUE METER A METER B TO HECO MG CONTROLLER COMPANY COMPANY SELLER/PLANT (NOTE 1) SELLER/PLANT (NOTE 1) SITE TELEMETRY & CONTROL (NOTE 5) (3)P.T. (3)C.T RELAY RELAY (3)C.T. BKR XX-1 52 NOTE 6 R(з)с.т. Д(3)С.т. C.P.T. AUX LOADS (NOTE 4) PRELIMINARY FOR INITAL APPLICATION NOT TO BE USED FOR CONSTRUCTION TO PLANT (NOTE 3) ALSO REFER TO SLD **DESIGN NOTES**

- ALL HECO EQUIPMENT MUST BE READILY ACCESSIBLE AT ALL TIMES (24 HOURS/7 DAYS) BY HECO PERSONNEL FOR EMERGENCIES, METER READING,
- 2. ONLY ONE (1) SET OF OVERHEAD CONDUCTORS IS REQUIRED TO CONNNECT TO THE CUSTOMER BREAKER.
- 3.34.5KV GROUND SOURCE MUST BE ADDED BY THE PLANT.
- 4. BACKUP AUX POWER SOURCE CAN BE PROVIDED BY COMPANY BUT WILL REQUIRE SEPARATE METERING.
- 5. CRITICAL TELEMETRY DEVICES REQUIRED TO ENSURE THE SAFE AND QUALITY DELIVERY OF ENERGY FROM THE BESS ARE TO BE DESIGNED WITH REDUNDANCY SUCH THAT A SINGLE FAILURE OF ANY DEVICE DOES NOT RESULT IN ANY HAZARD OR POWER QUALITY ISSUE.
- 6. SYNCH-CHECK CAPABILITY IS REQUIRED.



HAWI MICROGRID BESS SITE INTERCONNECTION SINGLE LINE DIAGRAM

DESIGNED DATE 89-89-2821 SCALE NONE CHECKED ELEC. MECH. STRUC. ENGINEERING DEPARTMENT
HAWAIIAN ELECTRIC CO., INC. APPROVAL DRAWING NUMBER Ø