



## PANEL B2 METERING SCHEMATIC

Panel B2 shall be fully rated 480/277 Volt, 3 phase, 4 wire, 1000 Ampere UL approved as service entrance equipment in a NEMA 1 rated enclosure. Buswork shall be copper completely factory assembled and braced for an AIC rating of 60,000 or higher. Panel molded case circuit breaker microprocessor based tripping system shall consist of four current sensors, a trip unit and a flux-transfer shunt trip. Interchangeable rating plugs shall establish the 800 Ampere continuous trip ratings. Breaker shall trip under ground fault conditions and from remote owner furnished emergency trip button. Provide (4) 350 kcmil compression connectors for each neutral and phase connection. Panel shall include (3) 1000:5 current transformers on load side of circuit breaker sensing current on each phase. Include a 200:5 current transformer on neutral bus. Provide (3) 120 Volt potential transformers as indicated, provide necessary wiring, fuse blocks, fuses and terminal blocks to allow for field installation of owner furnished metering equipment. CT terminals shall be of the shorting type.

LIGO-D980090-A-W

**DEITTLE** AND ASSOCIATES, INC.

FILE: PANELB2      DATE: JAN 1998

SUB-ASSEMBLY 'B2-1'  
SCHEMITIC DIAGRAM