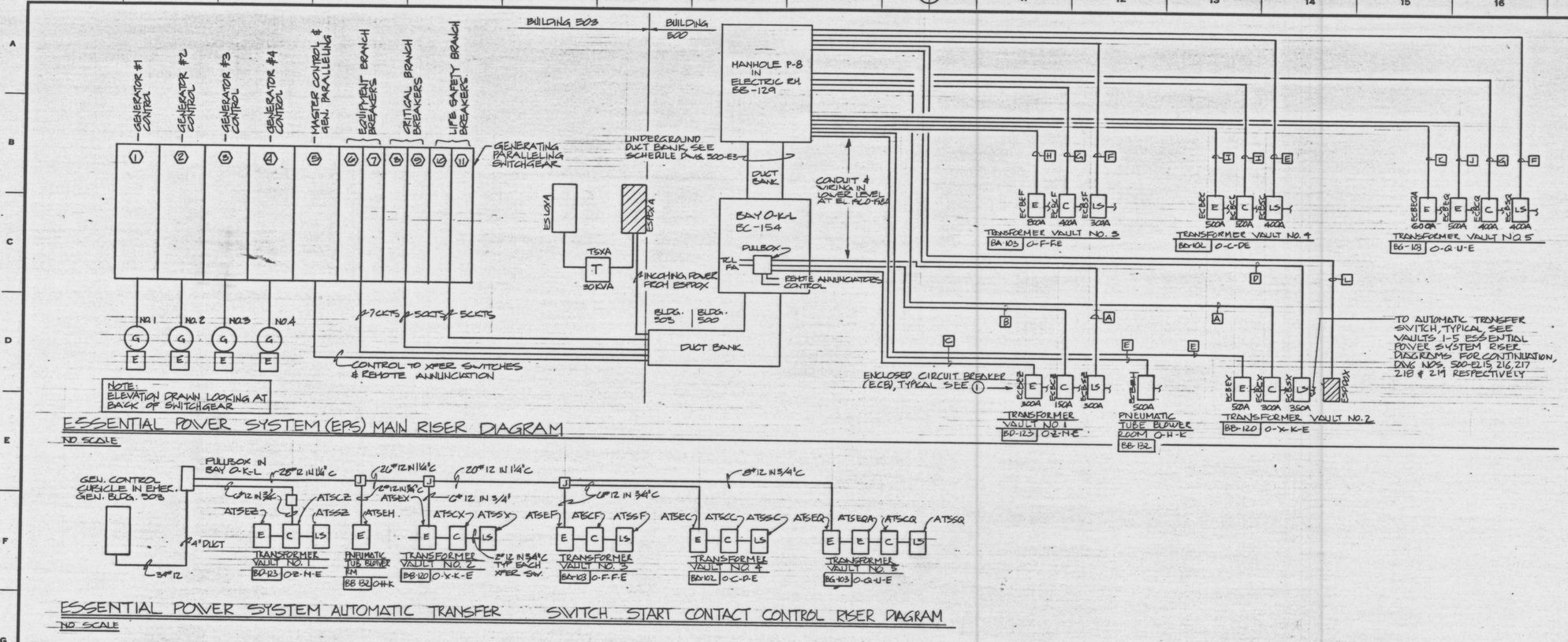
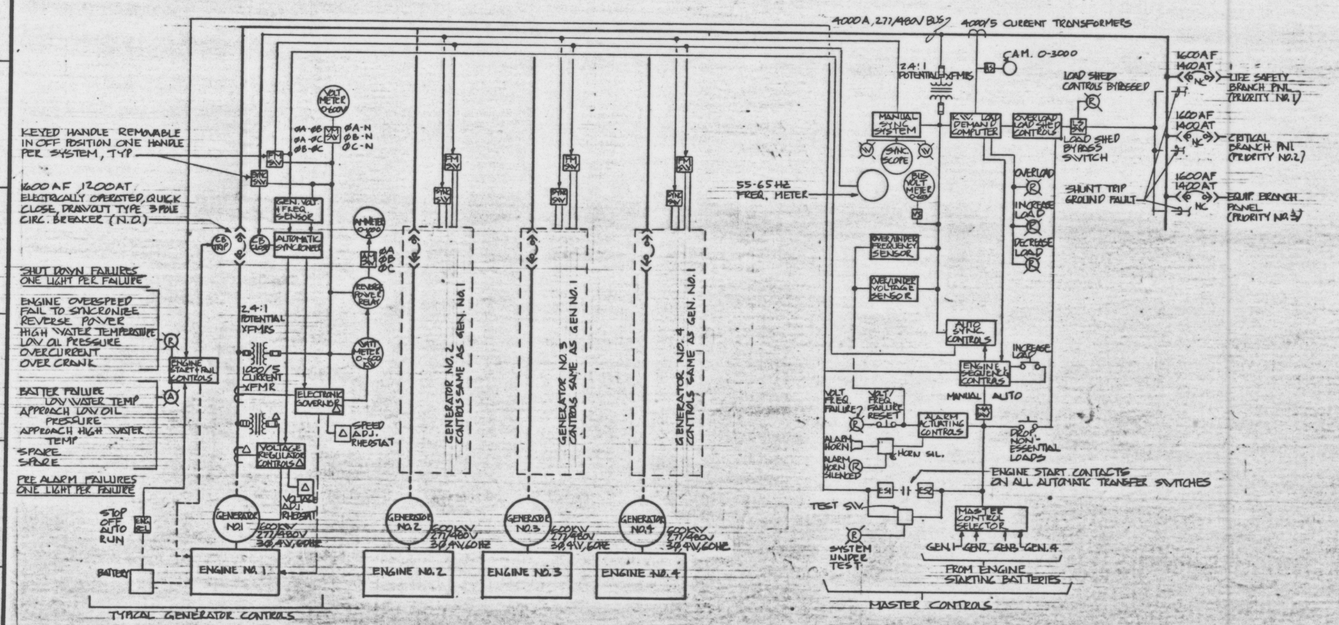


ESSENTIAL POWER SYSTEM (EPS) MAIN RISER DIAGRAM

NO SCALE

ESSENTIAL POWER SYSTEM AUTOMATIC TRANSFER SWITCH START CONTACT CONTROL RISER DIAGRAM

NO SCALE



ESSENTIAL POWER SYSTEM AUTOMATIC SYCHRONIZING EMERGENCY GENERATOR CONTROL ONE LINE DIAGRAM

NO SCALE

NOTES THIS DRAWING

1. ENCLOSED CIRCUIT BREAKERS SHALL BE 3 POLE, 4-WIRE, SN, SURFACE MOUNTED WITH AMPERE RATING AS INDICATED. PROVIDE ENCLOSURES & LUG TO ACCOMODATE OVERSIZED FEEDERS AS INDICATED (PER VOLTAGE DROP CONSIDERATIONS)

EPS MAIN RISER DIAGRAM WIRE & CONDUIT SCHEDULE

- A 4-500MCM & 1#2GND, 4"C
- B 4#4/0 & 1#2GND, 2½"C
- C 2 SETS 4-250MCM & 1#2GND, 5"C
- D 2 SETS 4-300MCM & 1#2 GND, 3"C
- E 2 SETS 4-500MCM & 1#1GND, 4"C
- F 2 SETS 4-500MCM & 1#2GND, 4"C
- G 3 SETS 4-500MCM & 1#2GND, 4"C
- H 4 SETS 4-500MCM & 1#1/0GND, 4"C
- I 3 SETS 4-500MCM & 1#1 GND, 4"C
- J 4 SETS 4-500MCM & 1#1GND, 4"C
- K 4 SETS 4-500MCM & 1#2GND, 4"C
- L 4#1 & 1#6 GND, 2"C

NO.	DATE	DESCRIPTION

REVISIONS

SHEET TITLE: DIAGRAMS AND SCHEDULES

BLDG. NO. 503 — PROJECT TITLE: 820 Bed Replacement Hospital Utility Plant

DRAWN	CHECKED	DATE
ABRAMS	MOTLEY	OCT. 12, 1979

Williams and Tazewell
Perkins & Will
A Joint Venture

DRAWING NUMBER: 503-E2

DWG. 1400 or 1409
PROJECT NUMBER: 651-001

APPROVED: PROJECT ARCHITECT

VETERANS ADMINISTRATION

LOCATION: VAH Richmond, Virginia

COMMONWEALTH OF VIRGINIA — Philip L. Tomek, Jr. — Certificate No. 3021 — PROFESSIONAL ENGINEER

VA FORM 08-6231 FEB. 1979