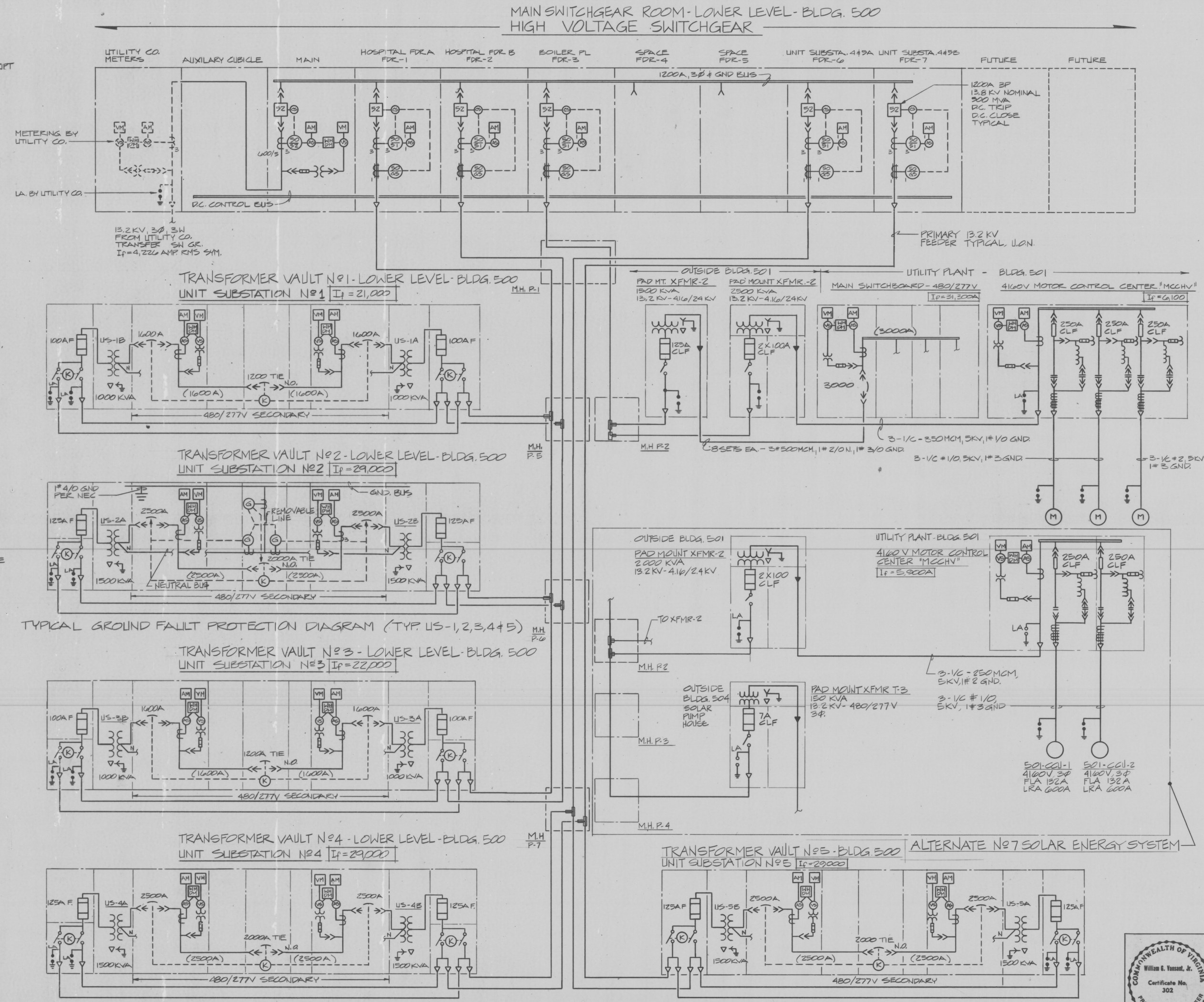
LEGEND - SINGLE LINE DIAGRAM:

- OIL FILLED TRANSFORMER; VOLTAGE AND RATING AS NOTED.
- CURRENT TRANSFORMER; SUBSCRIPT DENOTES QUANTITY, SIZE AND RATING AS NOTED.
- POTENTIAL TRANSFORMER.
- 52 AC POWER CIRCUIT BREAKER WITH DRAWOUT FEATURE, 15K.
- AIR CIRCUIT BREAKER WITH DRAWOUT FEATURE.
- SINGLE CONDUCTOR TERMINATION (TYP FOR 3)
- FUSE
- DEVICE WITH DRAWOUT FEATURE
- GROUND
- LA LIGHTNING ARRESTER WITH GROUND.
- 50/51 AC INSTANTANEOUS AND TIME DELAY OVERCURRENT RELAY.
- 50/51G A.C. INSTANTANEOUS GROUND-FAULT RELAY.
- 86 DC TRIP.
- AS AMMETER SELECTOR SWITCH.
- VS VOLTMETER SELECTOR SWITCH.
- AM AMMETER
- VM VOLTMETER
- WH WATTHOUR METER WITH DEMAND REGISTER. SEE NOTE 2.
- K KEY INTERLOCK
- LOAD BREAK HIGH VOLTAGE AIR SWITCH.
- CONTACTOR
- REACTOR
- (2500A) BUS RATING (2500A)
- M MOTOR; RATING AND VOLTAGE AS NOTED.
- I_f=29,000 AVAILABLE INSTANTANEOUS FAULT CURRENT, (29,000 AMPERE RMS SYM)
- "TEE" SPLICE
- G GROUND SENSOR RELAY.



HIGH VOLTAGE SINGLE LINE DIAGRAM NO SCALE

NOTES THIS DRAWING:

1. ALL PRIMARY 13.2 KV FEEDERS SHALL BE 3-1/C #4/0, 15KV & 1#1/0 GND. U.O.N.
2. ALL WATTHOUR METERS WITH DEMAND REGISTERS SHALL BE EQUIPPED WITH RELAY CONTACTS WITH ADJUSTABLE SET POINTS TO INITIATE LOAD SHEDDING CONTROLS.
3. ALL SECONDARIES SHALL BE 480/277 VOLT, 3Φ, 4W WYE U.O.N.
4. REFER TO "POWER RISER DIAGRAMS" FOR SECONDARY POWER DISTRIBUTION.

NO.	DATE	DESCRIPTION

REVISIONS

SHEET TITLE: **HIGH VOLTAGE SINGLE LINE DIAGRAM**

BLDG. NO.: **500** — PROJECT TITLE: 820 Bed Replacement Hospital Finish Construction

DRAWN: MARABLE — CHECKED: MOTLEY — DATE: OCT. 12, 1979

Williams and Tazewell
Perkins & Will
A Joint Venture

DRAWING NUMBER: 500-E206
DWG. 12.17 OF 14.09
PROJECT NUMBER: 651-001

APPROVED PROJECT DIRECTOR

COMMONWEALTH OF VIRGINIA — William E. Vansant, Jr. — Certificate No. 302 — PROFESSIONAL ENGINEER

LOCATION: VETERANS ADMINISTRATION
VAH Richmond, Virginia

THREE INCHES EQUALS ONE FOOT | ONE AND ONE HALF INCHES EQUALS ONE FOOT | ONE INCH EQUALS ONE FOOT | THREE QUARTER INCH EQUALS ONE FOOT | ONE HALF INCH EQUALS ONE FOOT | THREE EIGHTH INCH EQUALS ONE FOOT | ONE QUARTER INCH EQUALS ONE FOOT | ONE EIGHTH INCH EQUALS ONE FOOT

VA FORM 09-8231 FEB. 1973

K&E 19 1253 11-78 MC 5724