



- NOTES:
- 120VAC PREFERRED POWER DISTRIBUTION SYSTEM IS A SINGLE PHASE, 60HZ, TWO WIRE, SINGLE-ENDED SYSTEM.
 - 120VAC PREFERRED POWER DISTRIBUTION PANELS ARE PROVIDED BY THE CONTRACT 7785-82-1474.
 - ALL AUTOMATIC CIRCUIT BREAKERS ARE PROVIDED TRIP SIGNAL CONTACTS WHICH CLOSE WHEN BREAKER OPENS THE TRIP CIRCUIT OR WEILAND. ALL 4200V CONTACTS ARE OPTIONALLY WIRED TO SUBMITTING TERMINAL BLOCKS AND ARE CONNECTED IN PARALLEL TO TRIP CONTACT SIGNAL.
 - INTERMEDIATE PHASES OF PREFERRED POWER AND SERVICE BUS CIRCUIT CAPACITY IS 15,000 AMP AND THE WORK ON TAPING. WEATHERPROOF TYPE WIRE.
 - 150 AMP FRAME AUTOMATIC CIRCUIT BREAKERS HAVE INTERRUPTING CAPACITY OF 10,000 VA AND 100 AMP AT 240VAC. WEATHERPROOF TYPE WIRE.
 - TIME DELAY RELAYS ARE 60VDC, TIME RANGE OF 10-15 SEC. DELAY ON DROP OUT, DROP CONTACTS COMPLETE WITH ENCLOSURE. ACASRY 702Z ACCE.
 - TERMINAL BLOCKS SECTIONAL, 600V, W/TER. STRAP SCREW TERMINAL, DOWNTAIL BUSH MOUNTED CHANNEL. RICHMOND CAT. NO. 5721.
 - ANNUNCIATION AND INSTRUMENT WIRING - 16 AWG. SINGLE CONDUCTOR, 600V, TEFLEX COVERED.
 - INSTRUMENT PURES ARE BUSING TYPE IEC.
 - LOADING SHOWN FOR UNIT 1; UNIT 2 IS SIMILAR, EXCEPT AS NOTED, OR SHOWN IN PARALLEL WITH.
 - SUPPLY ONLY (EY-ECP-21) IS WEATHERPROOF TYPE AND CATALOGUE NO. A60004. 4-PHASE, 2 WIRE 2 WIRE CONTACTS, 120VAC, CONTACT RATING 1.7 AMP AT 120VAC.
 - WIRING BETWEEN BUS BARS AND PULSE BLOCKS IS AS SHORT AS PHYSICALLY POSSIBLE, NON-TWISTED, AND SEPARATED FROM OTHER WIRING AND BUSHING.
 - 150 AMP FRAME NON-AUTOMATIC HOLDERS CASE CIRCUIT BREAKERS HAVE MECHANICAL INTERLOCK FOR BREAK-BEFORE-MAKE TRANSFER, WEATHERPROOF TYPE FD WITH BLENDING BAR INTERLOCK. IMPORTANT: MECHANICAL INTERLOCK TRANSFER ACTION MUST BE BREAK-BEFORE-MAKE; IMMEDIATE RETURN IS NOT ACCEPTABLE. NON-AUTOMATIC BREAKERS MUST HAVE SHORT-TIME WITHSTAND RATINGS AT 900VAC AS FOLLOWS:
- | | |
|-----------|----------------|
| 7,700 AMP | 0.0166 SECONDS |
| 2,500 AMP | 0.166 SECONDS |
| 2,000 AMP | 1.0 SECONDS |

REFERENCE DRAWINGS
 SGM025-EP-02 SINGLE
 SGM025-EP-03 LINES

Docket # 50-438
 Control # 8304050576
 Date 3-25-89
 of Document
 REGULATORY DOCKET FILE

PRC
 APERTURE
 CARD

51	7-24-82	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
REVISED PER FOR E-2457, CORRECTED DRAWING NO.																				
REVISED LOADS W/SC CHANGE:																				
REVISED LOADS, CABLES, NOTES, AND ANNUNCIATION POINTS:																				
SCALE: EXCEPT AS NOTED																				
GENERAL UNITS 1 & 2																				
SCHEMATIC DIAGRAM																				
120VAC PREFERRED																				
UNIT CONTROL ROOM																				
POWER DISTRIBUTION PANELS																				
SUBMITTED															APPROVED			N		
M. W. ...															M. W. ...			M. W. ...		
KNOXVILLE 12-28-88 88 E SGM0640-EP-10 R8																				

COMPARISON DRAWING:
 SGM0640-EP-01, 11---SCHMATIC

INSPECTED AND APPROVED FOR ISSUE