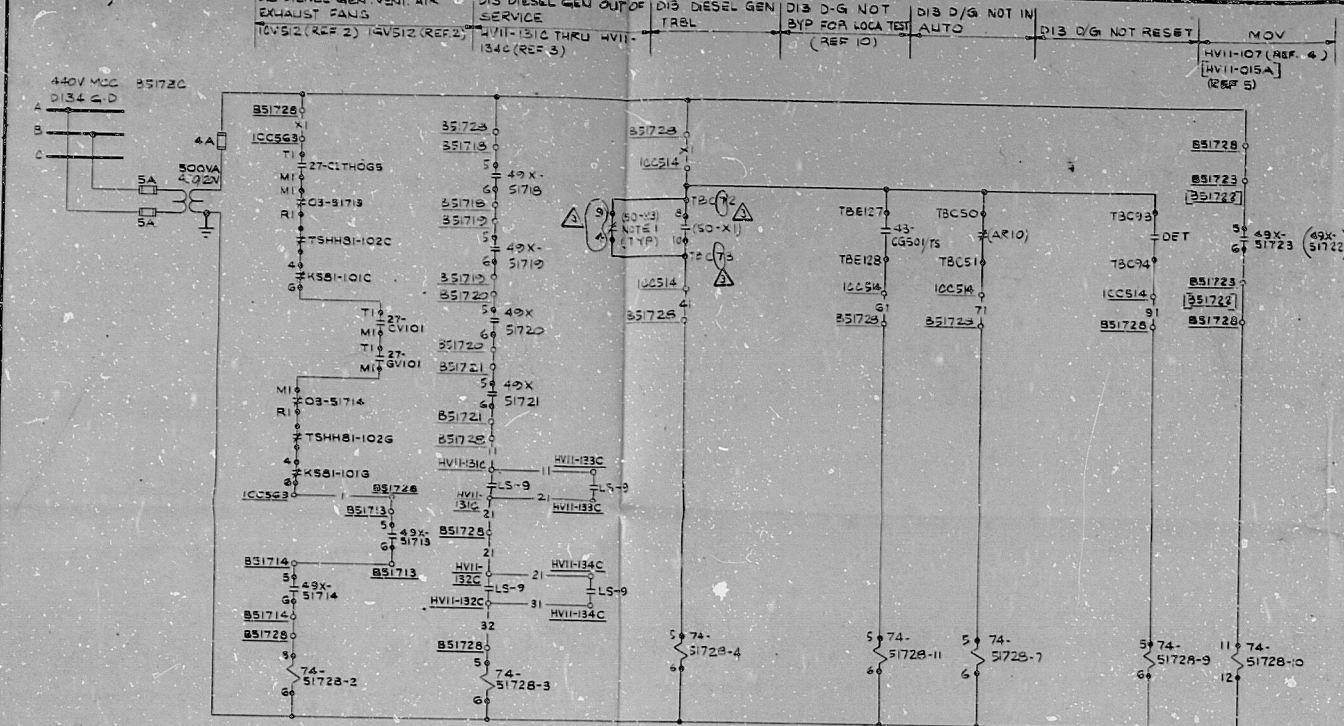
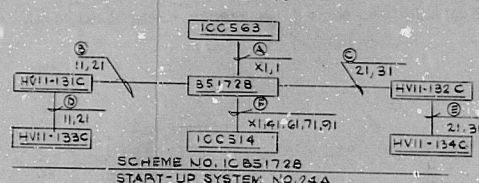


E-649 5N 7/6

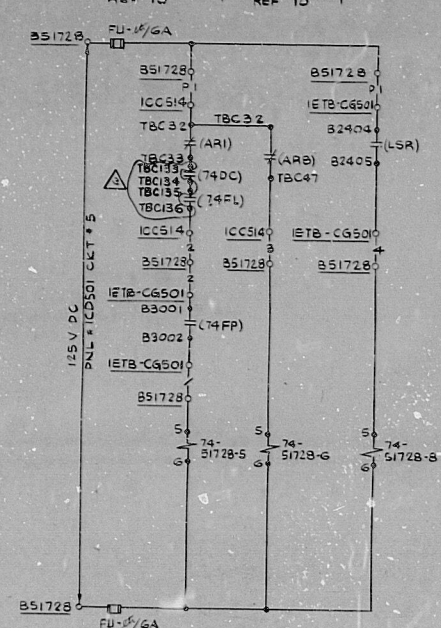


MCC BS17 ANNUNCIATOR AUXILIARY RELAY CIRCUIT
SCHEME NO. 10BS1728
(TYPICAL FOR 1 & 2 UNITS)
Q. NO. 4.26

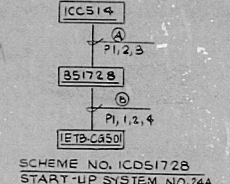


SCHEME NO. 10BS1728
START-UP SYSTEM NO. 24A

NOT READY FOR AUTO START FAILED TO START RUNNING



MCC BS17 ANNUNCIATOR AUXILIARY RELAY CKT
SCHEME NO. 10BS1728
(TYP. FOR 1 & 2 UNITS)
Q. NO. 4.26



SCHEME NO. 10BS1728
START-UP SYSTEM NO. 24A

DEVICE NO.	COIL ON DWG.
27-DITHOGS	E-648 SH.1
27-CITHOGS	E-648 SH.1

RELAY	FUNCTION	DWG. NO.
1-11-2	ALARM LIGHT	E-648
3-11-4	ALARM LIGHT	E-648
5-11-6	ANNUNCIATOR	E-602
7-11-8	ANNUNCIATOR	E-602
9-11-10	ANNUNCIATOR	E-602
11-11-12	OPERATING COIL	THIS DWG.

RELAY	FUNCTION	DWG. NO.
1-11-2	ANNUNCIATOR	E-619
3-11-4	ALARM LIGHT	E-648
5-11-6	OPERATING COIL	THIS DWG.

RELAY	FUNCTION	DWG. NO.
1-11-2	ANNUNCIATOR	E-619
3-11-4	ALARM LIGHT	E-648
5-11-6	OPERATING COIL	THIS DWG.

RELAY	FUNCTION	DWG. NO.
1-11-2	ANNUNCIATOR	E-619
3-11-4	ALARM LIGHT	E-648
5-11-6	OPERATING COIL	THIS DWG.

RELAY	FUNCTION	DWG. NO.
1-11-2	ANNUNCIATOR	E-619
3-11-4	ALARM LIGHT	E-648
5-11-6	OPERATING COIL	THIS DWG.

RELAY	FUNCTION	DWG. NO.
1-11-2	ANNUNCIATOR	E-619
3-11-4	ALARM LIGHT	E-648
5-11-6	OPERATING COIL	THIS DWG.

RELAY	FUNCTION	DWG. NO.
1-11-2	ANNUNCIATOR	E-619
3-11-4	ALARM LIGHT	E-648
5-11-6	OPERATING COIL	THIS DWG.

RELAY	FUNCTION	DWG. NO.
1-11-2	ANNUNCIATOR	E-619
3-11-4	ALARM LIGHT	E-648
5-11-6	OPERATING COIL	THIS DWG.

RELAY	FUNCTION	DWG. NO.
1-11-2	ANNUNCIATOR	E-619
3-11-4	ALARM LIGHT	E-648
5-11-6	OPERATING COIL	THIS DWG.

RELAY	FUNCTION	DWG. NO.
1-11-2	ANNUNCIATOR	E-619
3-11-4	ALARM LIGHT	E-648
5-11-6	OPERATING COIL	THIS DWG.

RELAY	FUNCTION	DWG. NO.
1-11-2	ANNUNCIATOR	E-619
3-11-4	ALARM LIGHT	E-648
5-11-6	OPERATING COIL	THIS DWG.

RELAY	FUNCTION	DWG. NO.
1-11-2	ANNUNCIATOR	E-619
3-11-4	ALARM LIGHT	E-648
5-11-6	OPERATING COIL	THIS DWG.

RELAY	FUNCTION	DWG. NO.
1-11-2	ANNUNCIATOR	E-619
3-11-4	ALARM LIGHT	E-648
5-11-6	OPERATING COIL	THIS DWG.

RELAY	FUNCTION	DWG. NO.
1-11-2	ANNUNCIATOR	E-619
3-11-4	ALARM LIGHT	E-648
5-11-6	OPERATING COIL	THIS DWG.

- NOTES
1. DEVICE NUMBER IN PARENTHESES REFERS TO VENDOR DEVICE NUMBER.
 2. MCC INTER-CUBICLE WIRING JUNCTIONS BETWEEN RELAY CONTACTS WITHIN EACH CUBICLE ARE SUPPLIED BY CUTLER-HAMMER.
 3. WIRING OF CONTACTS USED FOR ANNUNCIATORS AND ALARM CIRCUITS SHALL BE SEPARATED BY A MINIMUM OF 6" FROM SAFEGUARD SCHEME WIRING CABLES. THIS SEPARATION SHALL BE MAINTAINED AS CLOSE TO THE DEVICE AS PRACTICABLE.
 4. FOR ADDITIONAL RELAYS & WIRING IN THE ANNUNCIATOR AUXILIARY RELAY CUBICLE, SEE REF DWG. 1.
 5. ONLY USED RELAY CONTACT TERMINALS ARE TO BE WIRED TO TERMINAL STRIPS. SPARE RELAY CONTACTS AND INTERNALLY JUMPED RELAY CONTACT TERMINALS SHALL NOT BE WIRED TO TERMINAL STRIPS.
 6. LOCATION NUMBER IN BRACKETS REFERS TO UNIT 2 LOCATION NUMBER.
 7. UNIT 2 ANNUNCIATOR IS DWG. NO. E-633. (SEE REF DWG. 13).

REFERENCE DRAWINGS

1. 8031-E-105 SCHEMATIC DIAGRAM-MCC BKR SHUNT TRIP COIL CIRCUITS & AUX. CONTROL-1 & 2 UNITS
2. 8031-E-490 SCHEMATIC DIAGRAM-DIESEL GENERATOR VENTILATION AIR EXHAUST FAUS & AUX. CONTROL-1 & 2 UNITS
3. 8031-E-322 SCHEMATIC DIAGRAM-DIESEL GENERATOR ESN INLET AND OUTLET MOV'S-1 & 2 UNITS
4. 8031-E-323 SCHEMATIC DIAGRAM-TURBINE BUILDING COOLING WATER HEAT EXCHANGER ESN MOV'S-1 & 2 UNITS
5. 8031-E-324 SCHEMATIC DIAGRAM-ESN DIS-CHARGE TO RUSHW MOV'S-COMMON
6. 8031-E-363 SCHEMATIC DIAGRAM-TURBINE BLDG COOLING WATER HEAT EXCHANGER TO SPRAY POND VALVE-1 & 2 UNITS
7. 8031-E-648 SCHEMATIC DIAGRAM- SAFETY SYSTEM B, PASS/INOP STATUS INDICATION CIRCUITS-1 & 2 UNITS & COMMON
8. 8031-E-619 SCHEMATIC DIAGRAM-MAIN CONTROL ROOM ANNUNCIATOR PANEL C861 SAFEGUARD SYSTEM-1 UNIT
9. 8031-E-602 SCHEMATIC DIAGRAM-MAIN CONTROL ROOM ANNUNCIATOR PANEL C867 SAFEGUARD SYSTEM-1 UNIT
10. 8031-E-7165 SCHEMATIC DIAGRAM-GEN CONTROL SCHEMATIC (IC 55 WS-100260)

REV.	DATE	BY	CHKD.	APPD.	DESCRIPTION
1	7/1/76	JH	EL	EL	REV. SCHEMES 10BS1728, 10BS1729, 10BS1730, 10BS1731, 10BS1732, 10BS1733, 10BS1734, 10BS1735, 10BS1736, 10BS1737, 10BS1738, 10BS1739, 10BS1740, 10BS1741, 10BS1742, 10BS1743, 10BS1744, 10BS1745, 10BS1746, 10BS1747, 10BS1748, 10BS1749, 10BS1750, 10BS1751, 10BS1752, 10BS1753, 10BS1754, 10BS1755, 10BS1756, 10BS1757, 10BS1758, 10BS1759, 10BS1760, 10BS1761, 10BS1762, 10BS1763, 10BS1764, 10BS1765, 10BS1766, 10BS1767, 10BS1768, 10BS1769, 10BS1770, 10BS1771, 10BS1772, 10BS1773, 10BS1774, 10BS1775, 10BS1776, 10BS1777, 10BS1778, 10BS1779, 10BS1780, 10BS1781, 10BS1782, 10BS1783, 10BS1784, 10BS1785, 10BS1786, 10BS1787, 10BS1788, 10BS1789, 10BS1790, 10BS1791, 10BS1792, 10BS1793, 10BS1794, 10BS1795, 10BS1796, 10BS1797, 10BS1798, 10BS1799, 10BS1800

BECHTEL SAN FRANCISCO			
LIMERICK GENERATING STATION UNITS 1 & 2 PHILADELPHIA ELECTRIC COMPANY			
SCHEMATIC DIAGRAM SAFETY SYSTEM ANNUNCIATOR AUXILIARY RELAY CIRCUITS-1 & 2 UNITS & COMMON			
JOB NO.	DRAWING NO.	REV.	DATE
8031	E-648	SH. 7 OF 10	3

DATE	BY	CHKD.	APPD.
7/1/76	JH	EL	EL

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