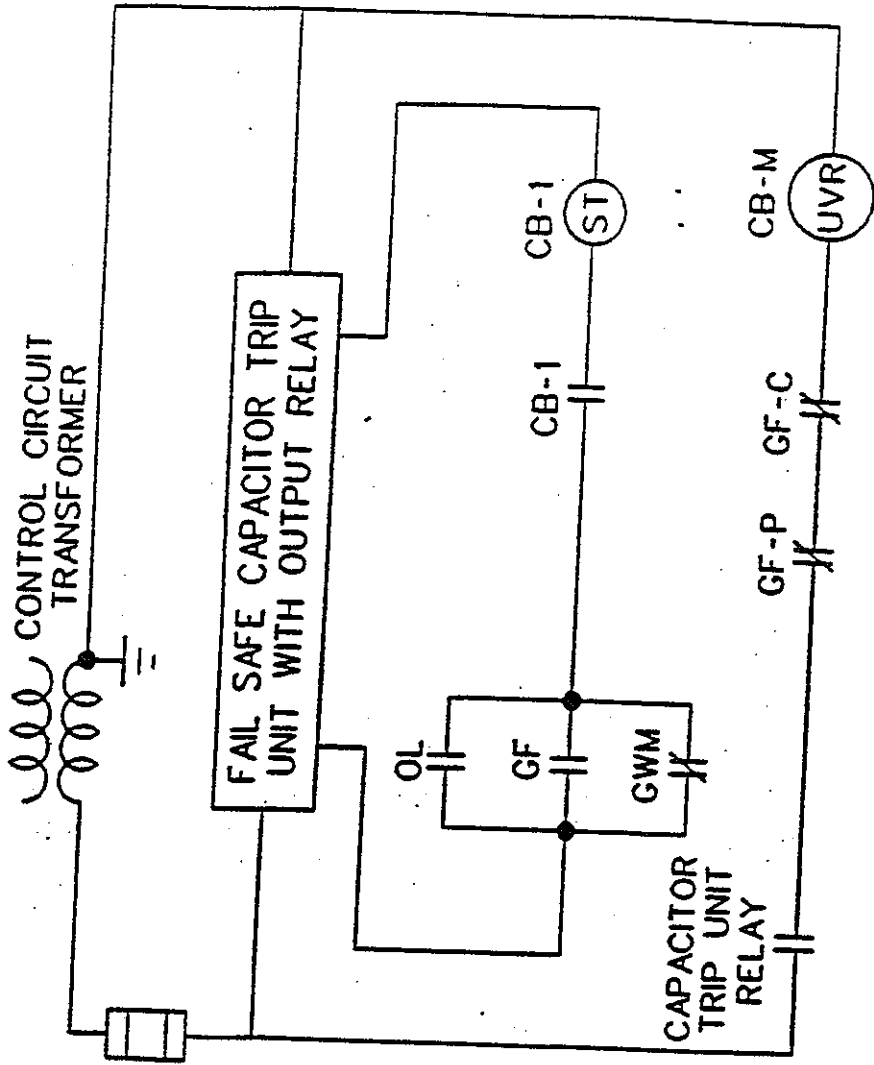


**TYPICAL COMPLIANCE WITH LOAD CENTER REQUIREMENTS  
#13 AND #14 USING A MOLDED CASE CIRCUIT BREAKER WITH UVR  
FOR EACH OUTPUT**

TYPICAL CONTROL CIRCUIT FOR CONVEYOR BELT LOAD CENTER

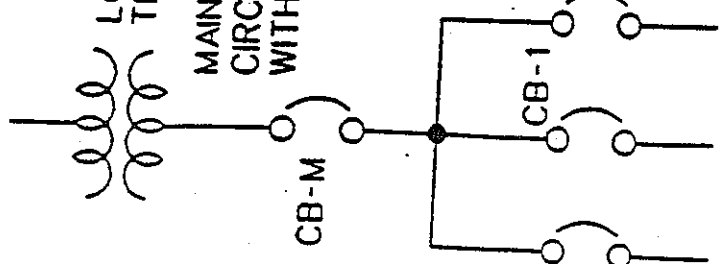


LOAD CENTER TRANSFORMER

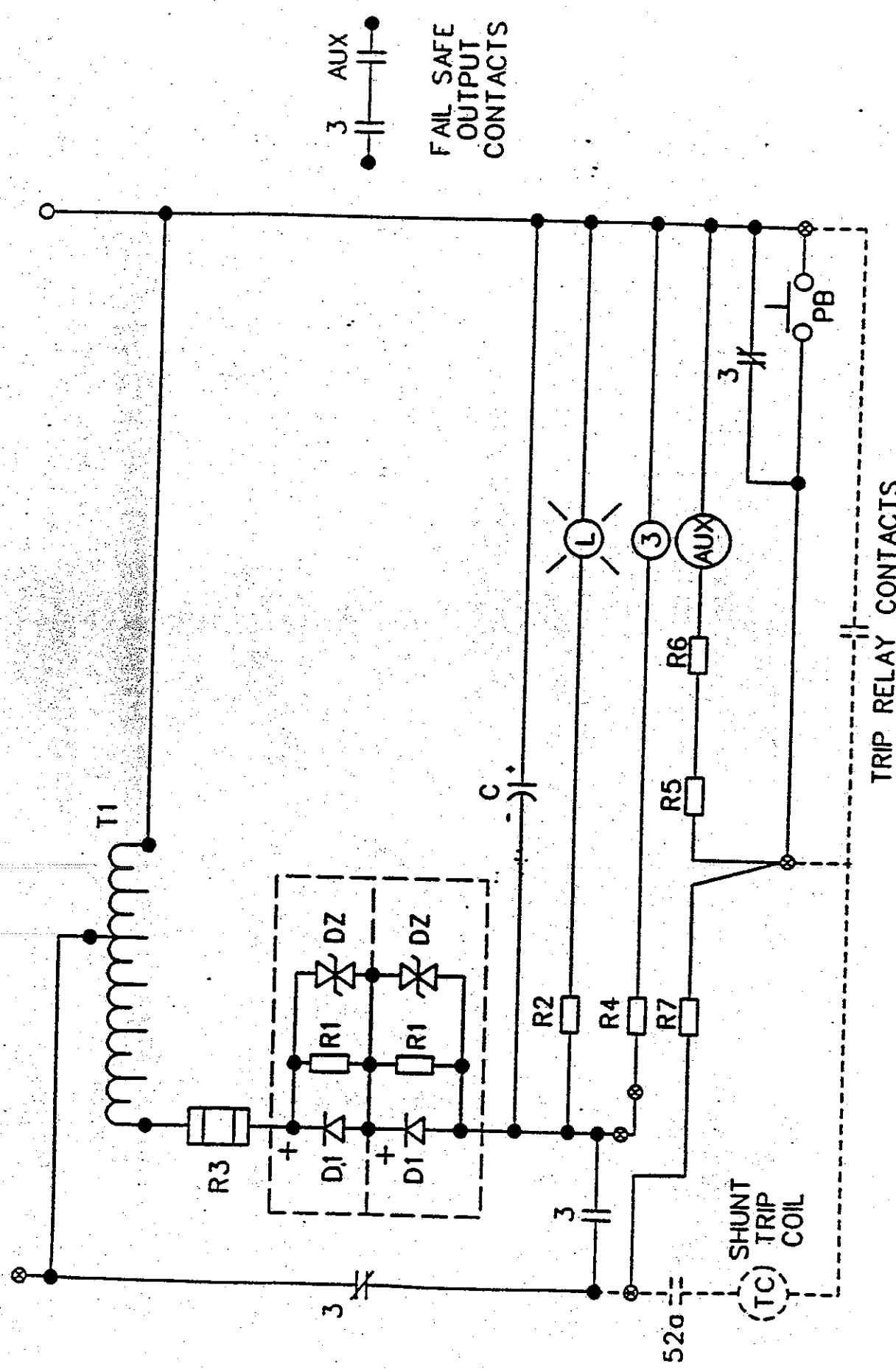
MAIN SECONDARY CIRCUIT BREAKER WITH: SHORT CIRCUIT OVERLOAD

POTENTIAL GROUND FAULT CURRENT GROUND FAULT UNDERVOLTAGE RELEASE REMOTE CONTROL

OUTPUT FEEDER CIRCUIT BREAKERS WITH: SHORT CIRCUIT OVERLOAD GROUND FAULT GROUND WIRE MONITOR

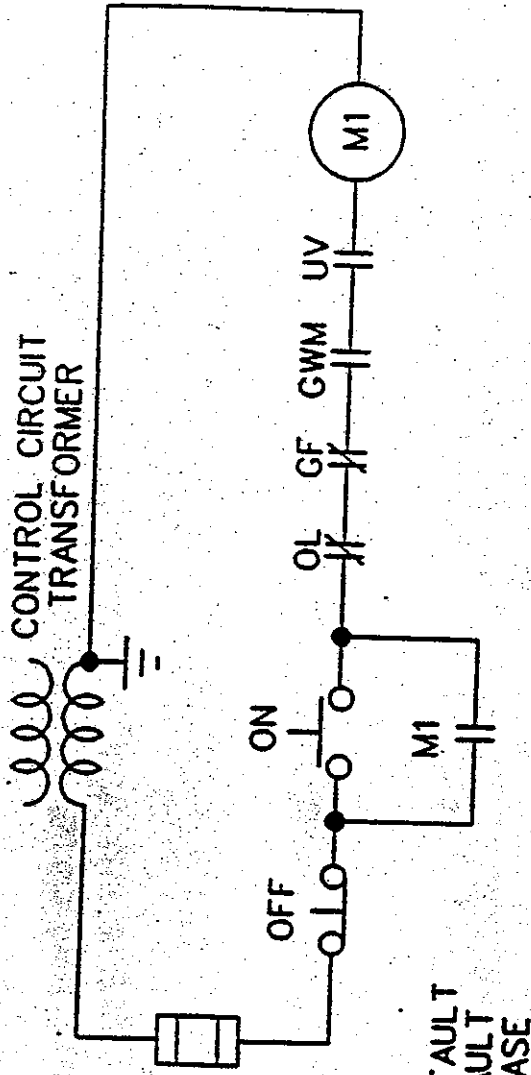


TYPICAL COMPLIANCE WITH LOAD CENTER REQUIREMENTS #13 AND #14 USING A MAIN MOLDED CASE CIRCUIT BREAKER WITH UVR AND OUTPUT MOLDED CASE CIRCUIT BREAKERS WITH SHUNT TRIP UNITS



**TYPICAL FAIL SAFE CAPACITOR TRIP UNIT**  
 7-13-94 Page 3 of 10

TYPICAL CONTROL CIRCUIT FOR SECTION LOAD CENTER



NOTE: THE UNDERVOLTAGE PROTECTION MAY BE PROVIDED BY THE GROUND WIRE MONITOR OR THE CONTACTOR

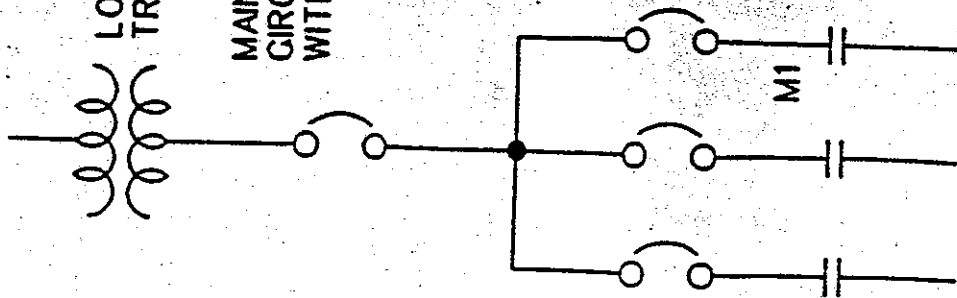
LOAD CENTER TRANSFORMER

MAIN SECONDARY CIRCUIT BREAKER WITH: OVERLOAD

POTENTIAL GROUND FAULT CURRENT GROUND FAULT UNDERVOLTAGE RELEASE

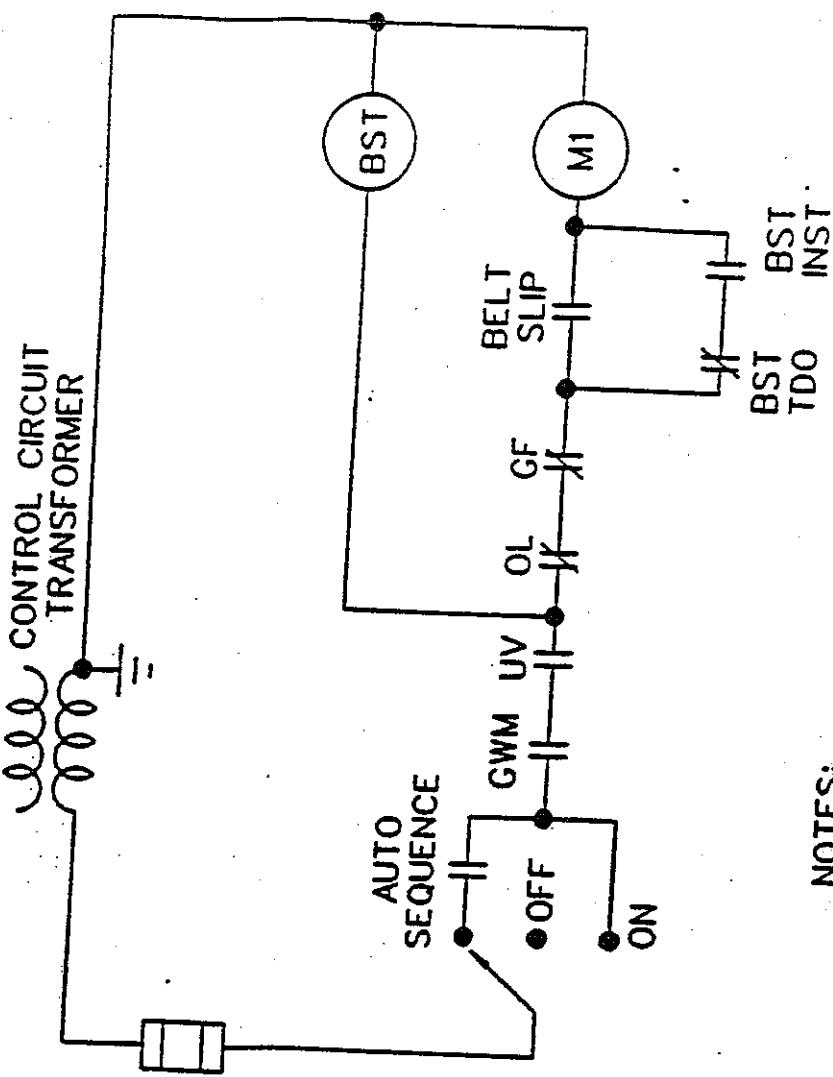
OUTPUT FEEDER CIRCUIT BREAKERS WITH: SHORT CIRCUIT

OUTPUT FEEDER CONTACTORS WITH: OVERLOAD  
GROUND FAULT  
GROUND WIRE MONITOR  
UNDERVOLTAGE



TYPICAL COMPLIANCE WITH LOAD CENTER REQUIREMENTS #13 AND #14 USING A MOLDED CASE CIRCUIT BREAKER AND A CONTACTOR FOR EACH OUTPUT

TYPICAL CONTROL CIRCUIT FOR CONVEYOR BELT LOAD CENTER



NOTES:

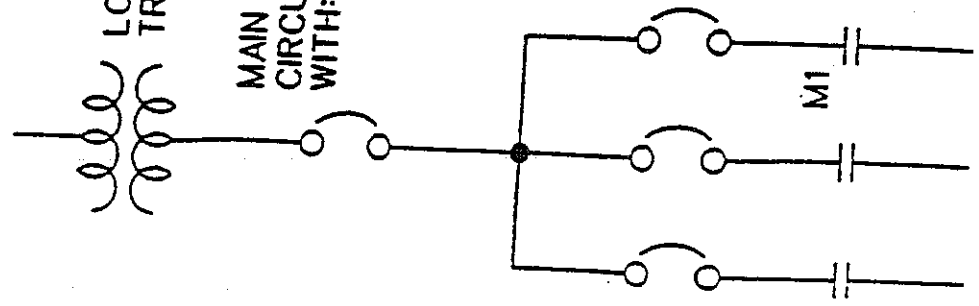
1. THE UNDERVOLTAGE PROTECTION MAY BE PROVIDED BY THE GROUND WIRE MONITOR OR THE CONTACTOR
2. THE MAIN SECONDARY CIRCUIT BREAKER HAS A SHUNT TRIP COIL THAT IS POWERED FROM A FAIL SAFE TRIP UNIT

LOAD CENTER TRANSFORMER

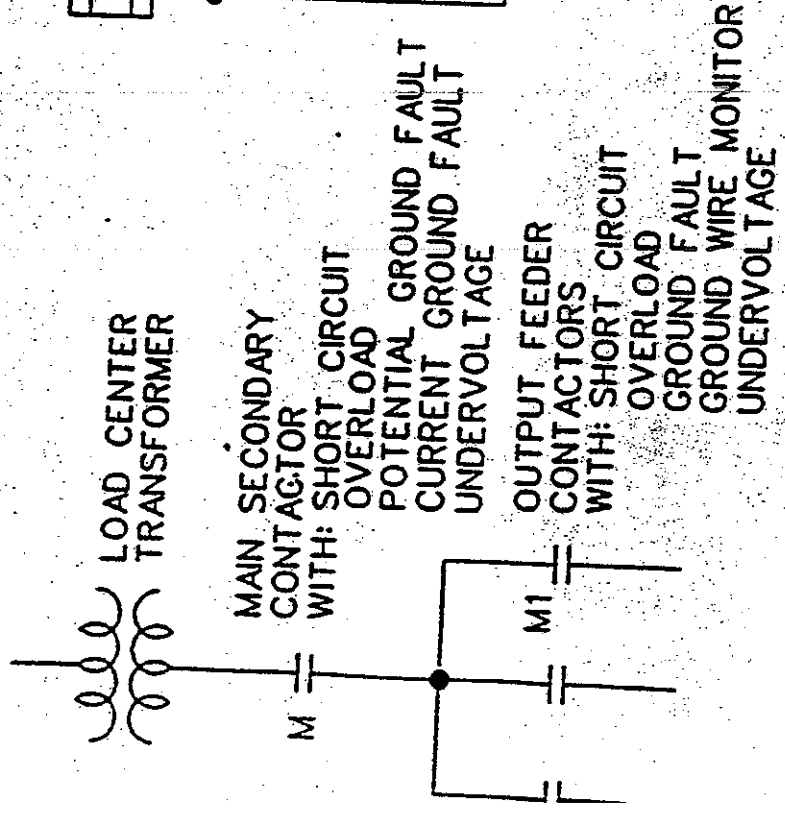
MAIN SECONDARY CIRCUIT BREAKER WITH: SHORT CIRCUIT OVERLOAD POTENTIAL GROUND FAULT CURRENT GROUND FAULT

OUTPUT FEEDER CIRCUIT BREAKERS WITH: SHORT CIRCUIT

OUTPUT FEEDER CONTACTORS WITH: OVERLOAD GROUND FAULT GROUND WIRE MONITOR UNDERVOLTAGE

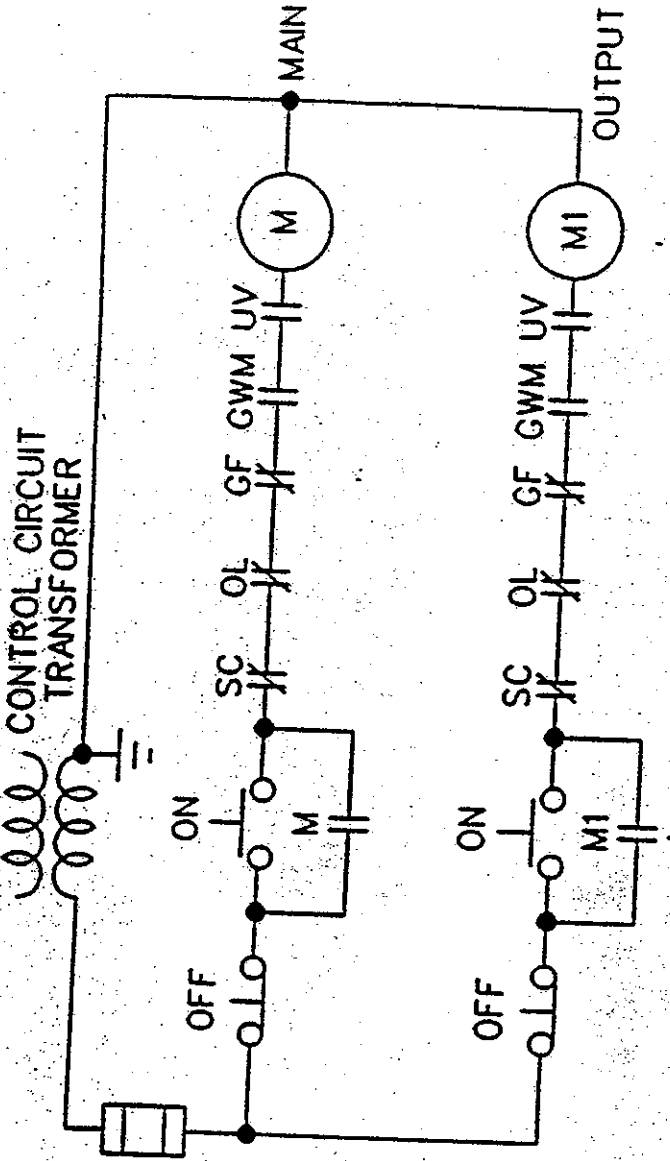


TYPICAL COMPLIANCE WITH LOAD CENTER REQUIREMENTS #13 AND #14 USING A MOLDED CASE CIRCUIT BREAKER AND A CONTACTOR FOR EACH OUTPUT



NOTE: EACH CONTACTOR MUST HAVE AN INTERRUPTING RATING IN EXCESS OF THE POWER SYSTEM SHORT CIRCUIT CAPACITY

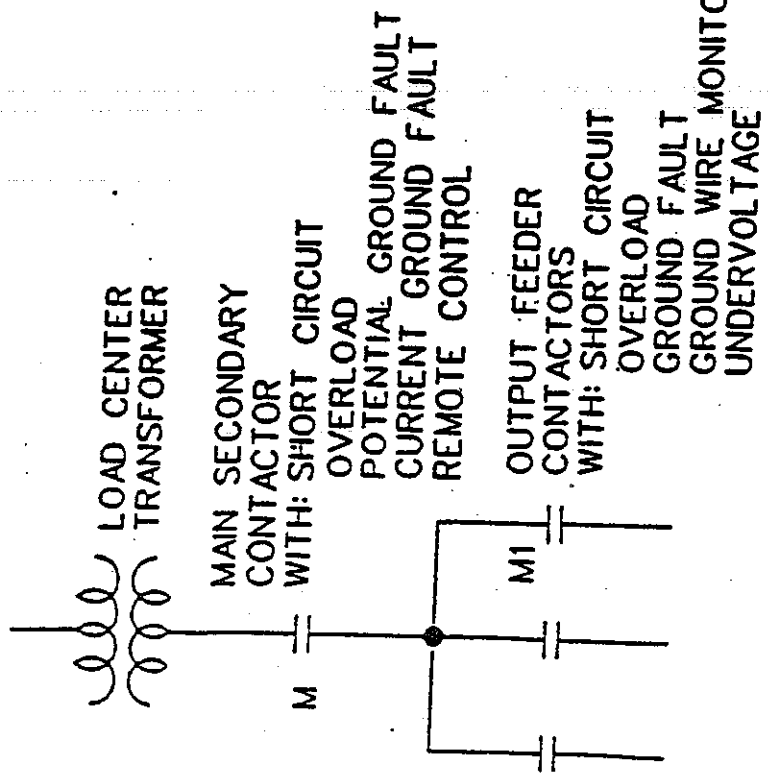
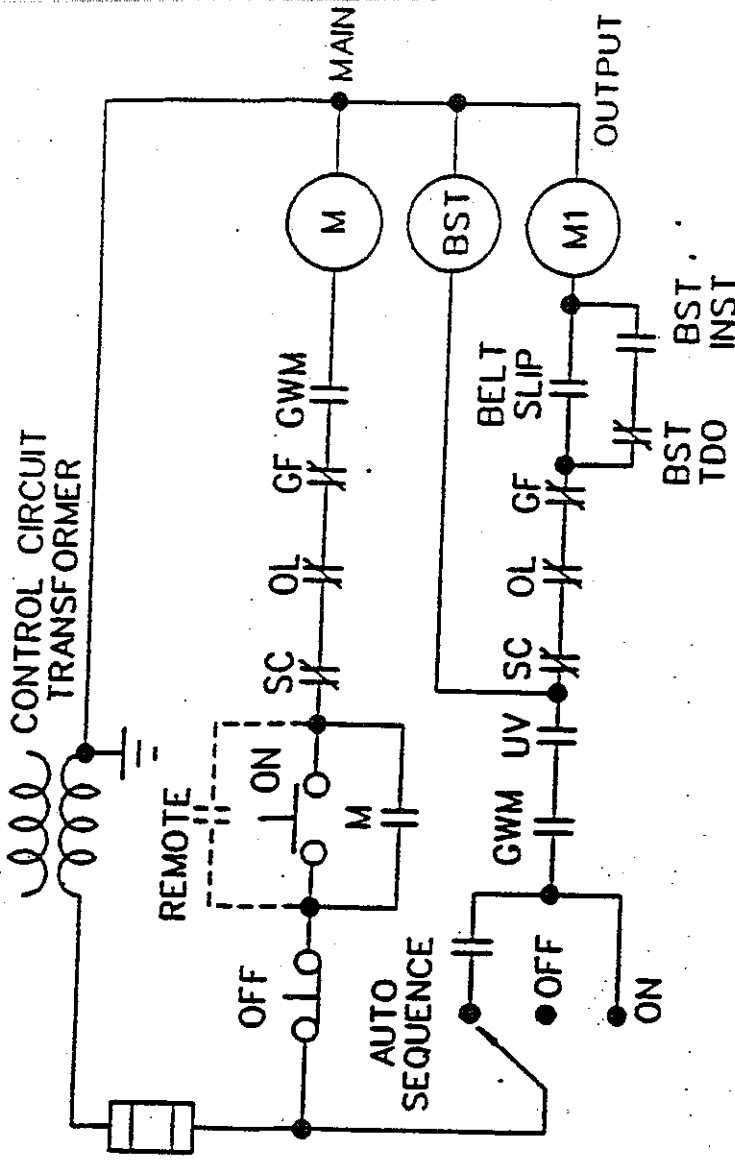
TYPICAL CONTROL CIRCUIT FOR SECTION LOAD CENTER



NOTE: THE UNDERVOLTAGE PROTECTION MAY BE PROVIDED BY THE GROUND WIRE MONITOR OR THE CONTACTOR

TYPICAL COMPLIANCE WITH LOAD CENTER REQUIREMENTS #13 AND #14 USING A MAIN SECONDARY CONTACTOR AND A CONTACTOR FOR EACH OUTPUT

TYPICAL CONTROL CIRCUIT FOR CONVEYER BELT LOAD CENTER



LOAD CENTER TRANSFORMER

MAIN SECONDARY CONTACTOR WITH: SHORT CIRCUIT OVERLOAD POTENTIAL GROUND FAULT CURRENT GROUND FAULT REMOTE CONTROL

OUTPUT FEEDER CONTACTORS WITH: SHORT CIRCUIT OVERLOAD GROUND FAULT GROUND WIRE MONITOR UNDERVOLTAGE

NOTE: EACH CONTACTOR MUST HAVE AN INTERRUPTING RATING IN EXCESS OF THE POWER SYSTEM SHORT CIRCUIT CAPACITY

NOTE: THE UNDERVOLTAGE PROTECTION MAY BE PROVIDED BY THE GROUND WIRE MONITOR OR THE CONTACTOR

TYPICAL COMPLIANCE WITH LOAD CENTER REQUIREMENTS #13 AND #14 USING A MAIN SECONDARY CONTACTOR AND A CONTACTOR FOR EACH OUTPUT