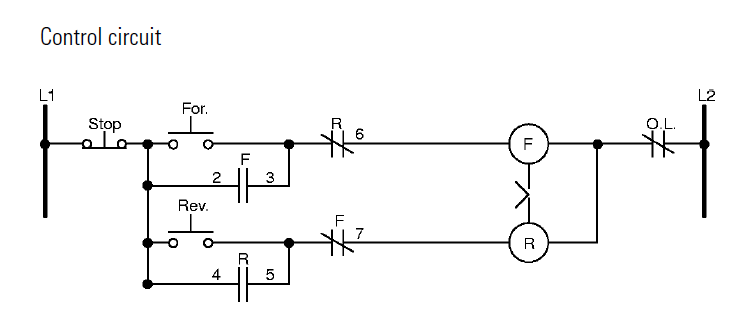
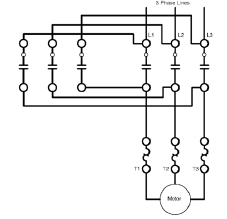
**Lab 2**

Construct the following circuit on the Amatrol Trainers.





Check operation of the circuit for proper functionality before proceeding with the lab.

Be sure the motor reverses.

What happens if the NC R contact in the top section of the rung was incorrectly wired as a NO contact?

What would happen if the NC R contact and the NO F contact on the top section of the rung were swapped?

Why is electrical interlocking as important as mechanical interlocking?

Check the current on a motor when the direction is switched without stopping first.

What was the peak current measured during reversing?

Measure the starting current with a clamp on ammeter and start the motor in the forward direction, from a dead stop. Record your reading.

If the overloads are improperly sized (too small) what would happen during reversing?