Motor Controls Lab #7 3 Wire Control JD Jones

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Point Value = 100 points

I want to stress the safety issue when you are working with electricity. You will now be working with 208 VAC. This can KILL you. DO NOT POWER UP UNTIL THE INSTRUCTOR IS PRESENT.

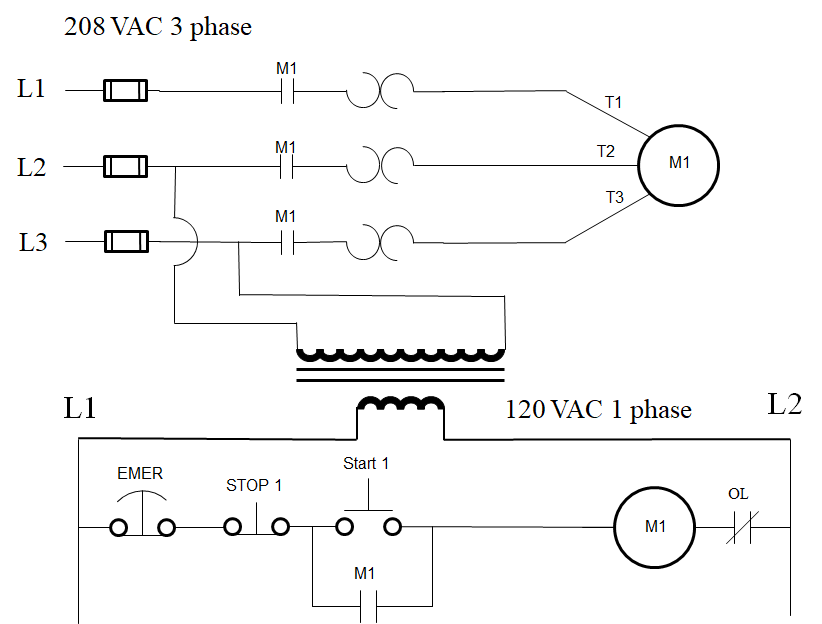
**You will be wiring up the same circuit 2 times.** The difference will be what brand of motor start you will use. You will use Eaton for one and Allen Bradley for the other.

Remember to use the correct wire colors.

Red = 120 VAC

White = Neutral (anything after the load)

Black = anything above 120 VAC



Points for fixing the machine.

a) Less than 10 minutes = 25 pts

b) Between 10 and 15 minutes = 15 pts

c) Between 15 and 25 minutes = 5 pts

d) Over 25 minutes = 0 pts

Points for

a) Written explanation of the ladder diagram 10 pts

b) Assembly of the ladder with Eaton starter. 25 pts

c) Assembly of the ladder with Allen Bradley starter. 25 pts.

d) Correct wire colors 5 pts

e) Rung number and cross reference 5 pts

f) Safety glasses and all ground are connected 5 pts

INSTRUCTOR’S INITIAL\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_