Motor Controls Lab #9 Reversing Motor w/ Jog JD Jones

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Points 100

In this lab you will be designing and wiring up a forward and reverse motor circuit with a jog function for both directions. Again I want to warn you of the dangers of electricity.

Create the ladder and get it approved by the instructor to be granted permission to wire it up. You may use Siemens or Allen Bradley.

Troubleshooting time. The instructor will introduce issue number 5 now. You will have to fix the machine as quick as possible.

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) Design of the ladder 20 pts

b) Assembly of the ladder 25 pts

c) Written explanation of the ladder diagram 20 pts

d) Rung number and cross reference 5 pts

e) Safety glasses and grounds are all connected 5 pts

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