

**2010 MICHIGAN SKILLS USA CHAMPIONSHIPS
TASK AND MATERIALS LIST**

SKILL OR LEADERSHIP AREA: _____ INDUSTRIAL MOTOR CONTROL _____

TASKS TO BE PERFORMED:

1. Answer questions to written test regarding SkillsUSA knowledge.
2. Students must supply their own tools.

**** DO NOT BORROW FROM OTHERS!**

SCOPE OF PROJECT:

1. Mount electrical equipment (excluding electrical motors)
2. Bend and mount conduit and junction boxes as per the drawing.
3. Provide the control wiring and schematics as per the written description.
4. Written test
5. Oral Interview
6. Provide resume (written)

STUDENTS MUST SUPPLY:

- Hammer
- Conduit reamer
- Screwdrivers (Regular and Phillips) and screw tips
- Needle nose pliers
- Wire strippers
- Pump pliers
- Electrical tape
- Crimp tool
- Diagonal wire cutters
- Electrical side cutting pliers
- Tool pouch and belt
- 6' rule or tape measure
- Knife
- Safety glasses with side shields or goggles
- ½" EMT conduit hand bender (thin wall)
- Pocket level
- Hack saw frame & blade with extra blade
- 2008 National Electrical Code book
- Supplies for drawing a ladder diagram
- Calculator
- Multimeter
- Wire number for wire labeling
- Resume – 1 page

DRESS CODE:

- Leather work boots or shoes (No athletics)
- Appropriate work attire

Note:

- Intent of contest is to use manual hand tools
- Judges reserve the right to deny use of any tools not on list

SCORECARD Industrial Motor Control

Items Evaluated	Possible Points	Contestant Number							
Safety	100								
NEC	100								
Conduit Runs	100								
Neatness Wiring	100								
Material Use	100								
Wiring Connections	100								
Professionalism	100								
Accuracy	100								
Written Test	100								
Oral Professional Assessment	100								
Résumé Penalty	0 or -50 only								
Clothing Penalty	0 to -50								
Failure to Bring Tools	Up to -75								
Improper use of Tools	Up to -75								
Total Possible Points	1000								

Date: _____

Judges' Signatures:
