



# 2010 13<sup>th</sup> ANNUAL SKILLS MANITOBA COMPETITION CONTEST SCOPE

**CONTEST NAME:** Electrical Wiring

**CONTEST NO:** 18

**LEVEL:** Secondary and Post Secondary

**NOTE:**

Secondary Level: 1 Competitor per school, first six schools

Post Secondary Level: 6 Competitors in contest

**CONTEST LOCATION:** Red River College – Notre Dame campus

**CONTEST START TIME AND DURATION:**

Start is at 9 am, tools will be laid down at 1:30 pm.

**PURPOSE OF CHALLENGE:**

The purpose of this challenge is to test the abilities, both mental and physical, of the competing student in the field of electrical construction.

**SKILLS AND KNOWLEDGE TO BE TESTED:**

The skills to be tested will be as follows:

- 1) Installation of NMD cable
- 2) Installation of AC-90
- 3) Extra-low voltage circuits
- 4) EMT installation

**POINT BREAKDOWN / 100% TOTAL:**

TBA

**EQUIPMENT, TOOLS, MATERIALS TO BE PROVIDED BY COMMITTEE:**

All wiring materials

EMT Benders

**EQUIPMENT, TOOLS, MATERIALS TO BE SUPPLIED BY COMPETITOR:**

A complete electricians tool pouch with:

- 1) Linesman pliers
- 2) Side cutters
- 3) Needle nose pliers
- 4) Channel lock pliers
- 5) #6,#8, and #10 Robertson screw drivers
- 6) slotted screw drivers
- 7) Phillips screw drivers
- 8). knife
- 9) hacksaw
- 10) tape measure (imperial or metric)
- 11) pencil
- 12) hammer
- 13) cordless drill (recommended)

**WORKSITE SAFETY RULES / REQUIREMENTS:**

A full set of safety rules in addition to a safety orientation will be issued on the day of competition.

Work boots, gloves and safety glasses are mandatory.

**SPECIAL CONDITIONS / ADDITIONAL INFORMATION:**

Please be advised that we only have space for 6 competitors in the Secondary and 6 in the Post-Secondary competitions. 2 competitors may be allowed from an individual school if there is no other school trying to enter a student.

**FOR MORE INFORMATION PLEASE CONTACT:**

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