



2020 23rd ANNUAL SKILLS MANITOBA COMPETITION CONTEST DESCRIPTION

CONTEST NAME: Electrical Installations

CONTEST NO: 18

LEVEL: Secondary and Post Secondary

NOTE:

Secondary Level: 1 Competitor per school, first eight schools

Post Secondary Level: 4 Competitors in contest

CONTEST LOCATION: Red River College – Notre Dame Campus – B129

CONTEST START TIME AND DURATION:

Start is at 8:30 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
- 5) motor controls (post-secondary only)

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 (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, and safety glasses are mandatory.

SPECIAL CONDITIONS / ADDITIONAL INFORMATION:

Please be advised that we only have space for 8 competitors in the Secondary and 4 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.

THE IMPORTANCE OF ESSENTIAL SKILLS FOR CAREERS IN THE SKILLED TRADES;

Essential skills are used in nearly every job and at different levels of complexity. They provide the foundation for learning all other skills and enable people to evolve with their jobs and adapt to workplace change. Good Essential Skills means you will understand and remember concepts introduced in technical training. The level of Essential Skills required for most trades is as high as or higher than it is for many office jobs.

The following 9 skills have been identified and validated as key essential skills for the workplace:

Numeracy, Oral Communication, Working with Others, Continuous Learning, Reading Text, Writing, Thinking, Document Use, Digital.

Top Essential Skills for Electrical Installations: Numeracy, Document Use, Thinking:
Problem Solving

FOR MORE INFORMATION PLEASE CONTACT:

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