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| **Electrical Applications** | Instructor Verified: |  |
| **Hands On Test #5** | **CLO#5** |  |
| **One luminaire controlled by three switches with a live duplex receptacle** | Grade: |  |

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Objective:**

Given the necessary materials, the student will construct an electrical circuit to the specifications listed, as evidenced by scoring a minimum of 75% on this performance test.

**Description of the Circuit:**

Construct a circuit in which a luminaire is controlled from three locations. The duplex receptacle is “hot” at all times. Power is fed to switch box #1. The switched leg is fed out of switch box #3. Power to the duplex receptacle is fed out of switch box #1. All devices and the luminaire are installed in metal boxes.

**Illustrate the Circuit.**

Draw the circuit below using the symbols discussed in class.

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**Instructor’s Notes:**

**Blueprint: (Devices installed in metal boxes, use type either MC or NM-B cable)**

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Hands On Test # 5

**Instructor’s Notes:**