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| **Electrical Applications** | Instructor Verified: |  |
| **Hands On Test #7** | **CLO#5** |  |
| **One luminaire controlled by two 3-ways and a duplex powered through a GFCI** | 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 all devices are protected by a GFCI receptacle. The luminaire is to be controlled by two three-way switches. Both the GFCI and the duplex receptacle are to “hot” at all times. Each box can only have a maximum of two cables attached. You decide the location where the power is going to be fed.

**Illustrate the Circuit.**

Draw the circuit below using the symbols discussed in class. (10 points)

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**Instructor’s Notes:**

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

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Hands On Test # 7

**Instructor’s Notes:**