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| **Electrical Applications** | Instructor Verified: |  |
| **Hands On Test #6** | **CLO#5** |  |
| **One luminaire 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 the duplex receptacle and luminaire are protected by the GFCI receptacle. Both receptacles (GFCI and duplex) are “hot” at all times. The lamp holder is controlled by the single pole switch. Power is fed to the GFCI box. Power to the single pole switch box is fed from the GFCI receptacle box. All devices are installed in individual 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 # 6

**Instructor’s Notes:**