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| **Electrical Applications** | Instructor Verified: |  |
| **Hands On Test #4** | **CLO#5** |  |
| **Two split Duplexes Controlled from two three-way Switches** | 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:**

The circuit shall consist of two three way switches and two split duplex receptacles. Construct a circuit in which power is fed to one switch box. From the same switch box, power shall be supplied to two separate duplex receptacles. The top half of the receptacle shall be switched while the lower half of the duplex shall be hot at all times. Either switch shall control both duplex receptacles at the same time.

**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 # 4

**Instructor’s Notes:**