Student \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Job/Hands On \_\_\_\_\_\_\_\_\_\_\_

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| **Shop Job Rubric** | Student demonstrates a  **mastery** of the subject.  0 point deduction | Student demonstrates a  **proficiency** of the subject  2-4 point deduction | Student demonstrates an **understanding** of the subject  5-7 point deduction | Student **does not** demonstrate an **understanding** of the subject.  8-10 point deduction |
| Hand Drawing | * Is very neat. * Drawn using a stencil. * Drawn using pencil. No visible changes. * All line types and symbols for all devices are accurate. | * Is legible. * Drawn using a straight edge. * Drawn using pencil. Changes are made neatly. * Uses appropriate line types and symbols for devices. | * Difficult to read. * Drawn free-hand. * Drawn using pencil, changes made drawing messy. * Most line types and symbols for devices are accurate. | * Illegible. * Drawn using pencil or pen with changes hard to follow or not understandable. * Line types and/or symbols for devices are inaccurate. |
| Wiring Design | * Student compose design on their own.\* * Meets instructions and may add additional enhancements. * Design is succinct. * Wiring design is very logical and easy to follow. * Demonstrates a mastery of understanding in the given subject. | * Student needed minor input during design.\* * Design could be simplified. * Meets problem instructions. * Wiring layout is logical and can be followed. * Demonstrates an adequate level of understanding in the given subject. | * Student’s needed some correction during design.\* * Design is cumbersome. * Meets most of the problem instructions. * Wiring layout is difficult to follow. * Demonstrates somewhat of an understanding in the given subject. | * Student needed considerable help during design.\* * Design is confusing or illogical. * Meets only a few of the problem instructions. * Cannot follow schematic design. * Does not demonstrate an understanding in the given subject. |
| Wired Job | * Meets all problem instructions. * All conductors are a minimum of 6” from edge of box. * All sheathing is ¼” inside of box. * All grounding conductors installed properly. * All wire identification was accurate and neat. * All wires were routed neatly. * All boxes, fasteners, clamps tight. * Student followed job procedure. | * Meets problem instructions. * Conductors are a minimum of 6” from edge of box. * Sheathing is ¼” inside of box. * Grounding conductors installed properly. * Wire identification was accurate and neat. * Wires were routed neatly. * Boxes, fasteners, clamps tight. * Copper wire installed properly. | * Meets most problem instructions. * Most conductors are a minimum of 6” from edge of box. * Most of the sheathing is ¼” inside of box. * Most of the grounding conductors installed properly. * Most identification was accurate and neat. * Most wires were routed neatly. * Most boxes, fasteners, clamps tight. * Most Copper wire installed properly | * Does not meets problem instructions. * Many conductors are less than 6” from edge of box. * Sheathing is not ¼” inside of box. * Grounding conductors not installed properly. * Wire identification was inaccurate and/or missing. * Wires were routed sloppy. * Many boxes, fasteners loose. * Very poor copper installation. * Student did not follow job procedure. |
| CAD  Design | * All proper components where used and in the appropriate locations. * All connecting lines are of appropriate type, size and routing. * Has complete correct labels, descriptions and identification. | * Proper components where used and in the correct locations. * Connecting lines are of appropriate type, size and routing. * Has correct labels, descriptions and identification. | * Most components used in the correct location. * Includes errors in wiring color size or routing. * Contains some inaccurate labels, descriptions and/or identification. | * Several components where incorrect in location. * Many errors in wiring color size or routing. * Inaccurate labels, descriptions and identification. |

\*Only applies to Hands On test. NOTE: Lock-Out violation shall result in a 5 to 20 point deduction based on severity. \_\_\_\_\_\_\_\_\_\_\_\_\_\_