

## Collin County Agricultural Mechanics Show Critique Sheet

<b><u>Class:</u></b>	<b><u>Chapter:</u></b>
<b><u>Project:</u></b>	<b><u>Name:</u></b> <span style="float: right;"><b><u>Point Total:</u> ___/100</b></span>

<b><u>Criteria</u></b>	<b><u>Comments</u></b>
<p><b><u>Workmanship (25 points)</u></b></p> <ul style="list-style-type: none"> <li>• <u>Square - Diagonals &amp; Square</u></li> <li>• <u>Weld Quality</u> - Uniform bead profile, feathering good penetration, - cold welds, over welding, lack of penetration, under cutting, overlap, distortion control, poor bead profile, pin holes.</li> <li>• <u>Fabrication</u> - Good joints and fit-up. Sharp edges, poor fit up, rough torch cuts.</li> </ul>	<p>___/25</p>
<p><b><u>Functionality (25 points)</u></b></p> <ul style="list-style-type: none"> <li>• Project constructed in such a manner they can function for their intended purpose at the time of show (required by show rules)</li> <li>• Projects is free from mechanical, hydraulic, or electrical malfunctions. Consideration will be given where space limits the ability to operate, such as a ramp hitting another project if it was to open.</li> <li>• -Trailers only- <b>All Trailers must be DOT legal</b> - tags not required for show but must meet DOT requirements</li> <li>• Meet Requirements Yes/No <ul style="list-style-type: none"> <li>___ Overall trailer width is 102 inches or less at widest point</li> <li>___ If trailer is overwidth does it have an oversize permit for day of show</li> <li>___ Tail Lamps - Red - 2 (min) - 15-72" from ground</li> <li>___ Stop Lamps - Red - 2 (min) - 15-75" from ground</li> <li>___ White License Plate Lamp</li> <li>___ Rear Side Marker Lamps- Red - 2 (min) - Each side at rear - as far back as practicable - 15" from ground min</li> <li>___ Rear Side Reflex Reflectors - Red - 2 (min) - Each side at rear - as far back as practicable facing sideward - 15-60" from ground</li> <li>___ Front Side Marker Lamps - Yellow - 2 (min) - Each side at front - as far forward as practicable - 15" from ground</li> <li>___ Front Side Reflex Reflectors - Yellow - 2 (min) - Each side at front - as far forward as practicable facing sideways - 15-60" from ground</li> </ul> </li> </ul>	<p>___/25</p> <p style="text-align: right;"><b><u>Page 1</u></b></p> <p style="text-align: right;"><b><u>Point Total:</u> ___/50</b></p>

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<u>Criteria</u>	<u>Comments</u>
<p><b><u>Design and Material Used (10 points)</u></b></p> <ul style="list-style-type: none"> <li>• Material matches the purpose and the function of the project</li> <li>• Students is knowledgeable about any specific, special, or unique material used during the construction of the project</li> </ul>	___/10
<p><b><u>General Appearance, Finish, and/or Preservation (10 Points)</u></b></p> <ul style="list-style-type: none"> <li>• Does project have a finish? Y / N (rule requirement)</li> <li>• Some projects, such as welding shop tables, may have portions where no finish is appropriate</li> <li>• Applied finish matches the use of the project and applied in an acceptable manner.</li> </ul>	___/10
<p><b><u>Presentation (10 points)</u></b></p> <ul style="list-style-type: none"> <li>• Students is knowledgeable about the project they are presenting</li> <li>• Students are able to described in detail, when requested, processes used in the construction of their project</li> <li>• Students are able to answer questions pertaining to the end use, purpose, and functionality of the project they are presenting</li> <li>• Students present projects in a professional and courteous manner</li> </ul>	___/10
<p><b><u>Documentation (10 points)</u></b></p> <ul style="list-style-type: none"> <li>• Meets Requirements Yes/No               <ul style="list-style-type: none"> <li>• ___ An original plan or drawing</li> <li>• ___ Bill of Materials</li> <li>• ___ Photographs showing all phases of construction</li> <li>• ___ SDS sheets</li> </ul> </li> </ul>	___/10
<p><b><u>Difficulty (10 points)</u></b></p> <ul style="list-style-type: none"> <li>• Size, scope, complexity - use of several skills and processes,</li> <li>• Sophistication- Intricate, technical and more difficult to build</li> </ul>	___/10