

San Antonio Junior Agricultural Mechanics (JAM) Project Show
 Research – Special Rule 16 - Check Sheet
 (Not including Tractor Restoration)

Awards will be presented for excellent Documentation. Documentation also influences Showmanship. A Project not having any documentation will be disqualified. A project not having all required documents (a through d) will be lowered in classification.

ENTRY # _____ CLASS _____ PROJECT _____

SUMMARY –Documentation was Complete: YES _____ NO _____ (If No explain)

OVERALL QUALITY OF RESEARCH PACKAGE _____ For Excellent Overall Quality – All Documents, including suggested items - should be easy to read and arranged neatly in a tabbed notebook with table of contents and pages numbered. This Check Sheet will also be used by Documentation and Showmanship Judges.

| | Research Portfolio | | Meets Requirements | Quality (If Yes) | Comments |
|----------|--|---|--|-----------------------------------|---|
| A | Drawing – Evident that project was constructed from plans. Drawn to scale with proper lettering & dimensioning. Scale must be identified. May include in addition to multiviews, pictorials (Isometric and/or Oblique) | Required | Yes _____ No _____ | Excellent Good Fair Poor | |
| B | Bill of Materials (BOM) list of materials including 1)Item #, 2)description,3)size, 4)quantity, 5)unit, 6)costs per item 7) extended costs and 8)Total Costs. Values of OC* items, if used, should be shown. <u>Trailer projects must identify axle wt. capacity and hubface dimensions in description. See also (d) below.</u> May include vendors, dates purchased, PO/invoice number. BOM <i>Developed using Excel spread sheet is encouraged.</i> | Required | Yes _____ No _____ | Excellent Good Fair Poor | |
| C | Photographs – Maximum Number 24 – Should have 2 with no more that 4 per page. Pictures sequenced, labeled & good quality depicting proper safety procedures. <u>Most pictures to have exhibitor/s in them.</u> Must include pictures of CAE/AST leader supervising (during both phases of project – planning & construction.) Recommend to not put documents in plastic sleeves. | Required | Yes _____ No _____ | Excellent Good Fair Poor | |
| D | Research – <u>ASABE Standards</u> –Rule 19 -PTO and/or Three Point Hitch. <u>Codes</u> –Rule 18 - Trailer Project, must include relevant DOT Codes including Federal Lighting Table . <u>MSDS and/or PI Sheets</u> -Rule 16 - Incl. trailer undercarriage specifications + | Required (Those Attaching to Tractors) (Pulled on Hwy. Incl. Trailers) (All projects) | PTO <u>Y</u> or <u>N</u> Three Point <u>Y</u> or <u>N</u> DOT <u>Y</u> or <u>N</u> MSDS or PI <u>Y</u> or <u>N</u> | | Note: Standards /Codes should be most recent. |

*Opportunity Costs (OC) - value of salvaged (used) materials and/or those on hand and not purchased. May also incl. consumable item costs – electrodes and oxy-acety etc.

+ Material Safety Data Sheet (MSDS and/or Product Information (PI) or Technical Bulletin (TB) – Examples: Paint, Hydraulic Cylinders, Trailer undercarriages incl. Axle loads including hub spacing, spring and wheel descriptions.