



MODEL EVALUATION FEEDBACK FORM

Event: _____ Date: _____ Model Entry Number: _____

Model Description: _____

Evaluators: Fill in evaluation matrix score for each axis, then total score for category being considered. Remaining lines are from the evaluation guidelines – for each line item, circle the most appropriate rating from 1-4, and NA if not applicable. Ratings: 1 – Needs improvement; 2 – Good; 3 – Excellent; 4 – Outstanding. Note that line-item ratings are independent (do not sum) to any Matrix Score, the total of which is the sum of the two ranges defined for each category (typically complexity and quality bases).

CONSTRUCTION SCORE Matrix Complexity (0 - 15) _____ Matrix Quality (0 - 25) _____ TOTAL (Max 40) _____

Proper handling and selection of materials.	1	2	3	4	NA
Quality of assembly of components and pieces.	1	2	3	4	NA
Neatness of glued parts, ladders square, roof walk centered, and similar attributes.	1	2	3	4	NA
Quality of component fit (there should not be any open joints).	1	2	3	4	NA
Properly matched scribed siding, no off-vertical or off-square siding unless documented for conformity.	1	2	3	4	NA
Roofs and/or eaves have even overhang.	1	2	3	4	NA
Wood parts are clean without fuzz, excessive wood fibers, saw or file marks, badly cut ends, or dents.	1	2	3	4	NA
Windows, doors, hatches, etc. are plumb and square unless documented otherwise for conformity.	1	2	3	4	NA
Repeats of multiple parts are evenly spaced (such as grab irons, gingerbread, roof rafters).	1	2	3	4	NA
Proper use of adhesives, with no excess glue or solder, glue cobwebs, glue on windows.	1	2	3	4	NA
Care has been taken to avoid fingerprints.	1	2	3	4	NA
Quality and complexity of CAD done for 3D printed or laser-cut parts.	1	2	3	4	NA
Quality of 3D printed or laser-cut parts done by builder.	1	2	3	4	NA

Additional Comments

DETAIL SCORE Matrix Complexity (0-5) _____ Matrix Completeness (0-15) _____ TOTAL (Max 20) _____

Amount and complexity of detail.	1	2	3	4	NA
Number of subordinate parts added either as separate parts or in CAD done by modeler.	1	2	3	4	NA
Overall refinement of the model.	1	2	3	4	NA
Amount of underbody detail (cars and motive power only).	1	2	3	4	NA
Coupler cut lever detail, and appropriate safety devices.	1	2	3	4	NA
Board-by-board construction versus scribed siding.	1	2	3	4	NA
Facia boards, eaves, troughs, downspouts, gutters.	1	2	3	4	NA
Bolt heads, nail heads, and door knobs.	1	2	3	4	NA
Accuracy, completeness, and placement of colors and lettering (not quality).	1	2	3	4	NA

Additional Comments

CONFORMITY SCORE **Matrix Completeness (0-5)** _____ **Matrix Prototypical Practice (0-20)** _____ **TOTAL (Max 25)** _____

Adequate prototype documentation (maximum score without prototype photos or drawings is 15 points).	1	2	3	4	NA
Completeness and placement of components compared to prototype.	1	2	3	4	NA
Correct roof profiles, window and door locations, trucks, brake rigging, and interior.	1	2	3	4	NA
Components are era-appropriate.	1	2	3	4	NA
Follows prototype practices for size of structural components and scale thickness of walls.	1	2	3	4	NA
Windows and doors appropriate to model.	1	2	3	4	NA
Structural details correct for framing, bracing, and supports.	1	2	3	4	NA

Additional Comments

FINISH & LETTERING SCORE **Matrix Complexity (0-5)** _____ **Matrix Quality (0-20)** _____ **TOTAL (Max 25)** _____

Quality of application of paint, brush marks, unevenness, runs, and thickness.	1	2	3	4	NA
Paint has appropriate sheen (eg flat or gloss).	1	2	3	4	NA
Amount and method of application of lettering.	1	2	3	4	NA
Decal applications: straight, even spacing, air bubbles, visible decal sheen and excess film.	1	2	3	4	NA
A stencil was made to letter a portion of the model.	1	2	3	4	NA
Amount and appearance of the weathering.	1	2	3	4	NA
Separation lines are clean and even.	1	2	3	4	NA
Amount of work, number of colors, and separation lines.	Low	Med	High		

Additional Comments

SCRATCHBUILDING SCORE **Matrix Complexity (0-5)** _____ **Matrix Quantity (0-10)** _____ **TOTAL (Max 15)** _____

Drew own plans or created own CAD files.	Y	N	NA
Use of scratchbuilt castings or details to include 3D printed or laser-cut details.	Y	N	NA
Use of scratchbuilt masters for castings.	Y	N	NA
Percent scratchbuilt (minimum score for 100-percent scratchbuilt model is 10 points).	_____		

Additional Comments