**TINY HOUSE PROJECT RUBRIC**

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| **CONSTRUCTION DOCUMENT AND DESCRIPTION OF POINTS** | **POINTS POSSIBLE** | **POINTS ACHIEVED** |
| **Floor Plan (50 Points) – Submit ALL levels; Hide (vv) topography/plantings and floors; Detail level: Medium****Scale: 1/4” = 1’-0”*** **Exterior Walls:** Correct thickness and wall type used on floor plan **(5 Points)**
* **Interior Walls:** Correct thickness and wall type used on floor plan **(5 Points)**
* **Room Sizes and Layout:** Rooms laid out logically and room sizes are practical. **(5 Points)**
* **Windows and Doors:** Windows placed plausibly on exterior walls and in compliance with building codes; correct door type used for each room and placed in a logical position on interior and exterior walls. All windows and doors should be tags **(10 Points)**
	+ Each room should be named and numbered and each door should be numbered to correspond to the number of the room it is entering (living room – 105, a door going to the living room would be 105, if there are two doors then one would be 105A and 105B).
* **Room Names (ALL CAPS):** Room tags with area should be added to all rooms and should be large enough and easy enough to read. **(5 Points)**
* **Dimensions:** Floor plan should be fully dimensioned – See examples below. No dimensions should be in fractions of an inch – 2’- 0” NOT 2’ – 3 ½” **(10 Points)**
* **Fireplace and/or Stairs: (5 Points)**
* **Kitchen Layout:** Kitchen includes upper and lower cabinets, counter top, appliances (refrigerator, stove/range, dishwasher, etc) and a sink. Layout should comply with building codes and be practical for cooking and movement in room. **(25 Points)**
* **Bathroom Layouts:** Three-fourths or full bathrooms should include a toilet, sink, shower and/or tub. When including a vanity, the following should be included: a cabinet, counter top and sink. Half baths must include a toilet and sink. Layout should comply with building codes and be practical for use and movement in room. **(10 Points)**
* **Washer/Dryer Layout:** Minimum of a washer and dryer should be included **(5 Points)**

**Information for Tiny House:*** Trailer bed size: 6’-11” (width) x 18’-0”, 20’-0”, 22’-0” or 24’-0” (length)
* Trailer bed height: 22” – 24” above the road
* Maximum width of home, including roof overhang and/or gutters: 8’-6”
* Maximum height of home (on fully inflated tires and ready for transport): 13’-6”
* Wall height should be less than 7’-0” tall
* Conventional framing materials (2’x2’s, 2’x4’s and 2’x6’s) should be used when selecting wall types
* 2x4s typical interior wall
* 2x6s typical wet/plumbing wall
* Aluminum or vinyl windows (fixed, sliding, single-hung, double-hung, etc.) \*
* Interior doors should be standard hollow core doors (2’-0” – 2’4” x 6’-8”) – be wary of using bi-fold, by-pass or pocket doors\*
* Exterior doors should be standard solid core doors (2’-0” – 3’-0” x 6’-8”, unless reduced height for exterior utility areas is necessary) \*
* Appliances and fixtures for kitchen and bathroom areas should standard and available at home improvement stores\*

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|  **85 \_\_\_\_\_\_\_** |
| **Electrical Plan (20 Points) Submit ALL floors; Hide (vv) topography/plantings and floors****Scale: 1/4” = 1’-0”*** Follow codes when adding the following symbols: smoke detectors **(2 Points),** outlets **(10 Points),** switches **(3 Points),** lights **(3 Points),** fans **(2 Points)** and connections (**2 Points).**
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|  **20 \_\_\_\_\_\_\_** |
| **Exterior Elevations (20 Points) Hide (vv) topography/plantings, and levels****Scale: 1/4” = 1’-0”*** Roof (9’ thickness), floors, chimney size, exterior appearance and location of windows and doors will be evaluated. Add items such as exterior lighting, shutters, etc to enhance exterior appeal. **(10 Points)**
* Add notes (text with leader) for materials (type of roofing, façade, etc.) **(4 Points)**
* Include slope of the roof (annotate – spot slope – slope representation: change from arrow to triangle and click on slope of the roof in the elevation view) **(2 Points)**
* Dimension the overall height of the house **(1 Point)**
* Dimension the overall width of the house (eave to eave) **(1 Point)**

Correct placement of elevations **(2 Points):**- Include South and North on one sheet- Include East and West on the second sheet**\*There is a supplemental video for roofs and floors****Information for Tiny House:*** Roof pitch should not exceed 12/12 (45-degree)
* Maximum width of home, including roof overhang and/or gutters: 8’-6”
* Trailer bed decking to be replaced with 2x4 floor joists on 24” center (insulation between the joists) and 3/4"sub-flor with finished floor (vinyl, hardwood, carpet, or tile) to be installed on top – should not be thicker than 5” so you may have to change the thickness of the layers
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|  **20 \_\_\_\_\_\_\_** |
| **Roof Plan (5 Points) When in roof plan change view range for bottom and level to level below (second floor)****Scale: 1/4” = 1’-0”*** Draw hidden lines (model line – <hidden> line) for edge of exterior wall, change transparency of roof if you need to be able to see exterior wall (vv) and then change the transparency back to 0 **(3 Point)**
* Include any relevant notes and information through the use of text and model lines (ridge, hip, arrows to indicate slope of roof) **(2 Points)**
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| **Bathroom Interior Elevation (10 Points) Show multiple elevations if needed to show all required information****Scale: 3/8” = 1’-0”*** **Fixtures:** The following fixtures should be shown: include toilet, sink, shower/tub and a mirror **(4 Points)**
* **Notes:** Include notes with leaders for fixtures and dimensions where necessary **(4 Points)**
* **Overall appearance and functionality:** Elevations should be labeled place neatly on title block.Elevation should NOT cut through vanity **(2 Points)**
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| **Kitchen Interior Elevations (20 Points) All views of the kitchen must be shown in different elevations****Scale: 3/8” = 1’-0”*** **Cabinets:** Correct height, especially corner, upper cabinets and upper cabinets above appliances **(8 Points)**
* **Countertop(s):** Should be continuous when possible and should cover dishwasher if applicable. **(2 Points)**
* **Appliances:** The following appliances should be included: refrigerator, stove/range, sink **(3 Points)**
* **Notes:** Sizes of cabinets dimensioned and text with leaders for appliances and fixtures **(5 Points)**
* **Overall appearance and functionality:** Kitchen is easy to navigate and windows do not go below counter top. Elevations should be labeled and place neatly on title block. Elevation should NOT cut through cabinets. **(2 Points)**
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|  **20 \_\_\_\_\_\_\_** |
| **Door and Room Schedule (10 Points)** Each room should be named and numbered and each door should be numbered to correspond to the number of the room it is entering. When creating schedules go to view – schedules – schedule/quantities. Place both schedules on one title block.* Door schedule (in this order): mark, width, height, family and type. **(5 Points)**
* Window schedule (in this order): mark, width, height, sill height and family and type. **(5 Points)**
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|  **10 \_\_\_\_\_\_\_** |
| **Cross Section and Longitudinal Section (20 Points) Hide (vv) topography/plantings; Hides (vv) sections****Scale: 1/4” = 1’-0”*** Check floors, walls, stairs, roof, ceilings, etc. and make sure that all items were created correctly. Choose the sections that shows the most detail of your house.
* Cross Section **(10 Points)**
* Longitudinal **Section (10 Points)**
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|   **20 \_\_\_\_\_\_\_** |
| **Wall Section (20 Points) Hide (vv) topography/plantings****3/8” = 1’-0”*** Create a wall section of one wall of your house that will show the following elements: roof, ceiling, exterior wall, a window, and floor(s) **(2 Points)**
* Add necessary features to wall section: insulation, plates (top and bottom), headers, baseboard and/or crown molding **(8 Points)**
* Include necessary notes and dimensions for the wall section **(10 Points)**
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|  **20 \_\_\_\_\_\_\_** |
| **Exterior Perspective (20 Points)*** Rotate 3D view to the best view and place on a title block. Exterior will be evaluated on overall appearance and quality.
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|   **10** **\_\_\_\_\_\_\_** |
| **Exterior Rendering (20 Points)*** Exterior rendering should show the exterior to the best possible advantage and should be rendered on medium. This should be a DIFFERENT angle than used for the exterior perspective. Rendering will be evaluated on appearance of materials and color choices used on the façade of the house. Take a picture (camera icon) and render picture.
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|  **20 \_\_\_\_\_\_\_** |
| **Total + Work Ethic (50 Points)** | **240 + 50** | **\_\_\_\_+\_\_\_\_** |
|  **290 \_\_\_\_\_\_\_** |