Draw a Food Truck: Box Body, Service Window, and Awning

Ordinary topic reference / separately checked pixels



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Original worked example / unchanged complete key

Prompt: Draw a food truck with a 10-unit body length, a 5-unit body height, wheel centers at 2.5 and 7.5 units from the front with 1.25-unit radius arches, a service window 3 units wide and 1.5 units high centered between the arches with a 1.5-unit bottom margin, and a trapezoid awning 4 units wide at the bottom, 3.5 units at the top, and 1 unit high, placed 0.5 units above the window.

Answer: Body: 10 by 5 rectangle. Wheel arches: centers at 2.5 and 7.5, radius 1.25, so distance between centers is 5 and arches do not overlap. Window: width 3, height 1.5, bottom margin 1.5, centered between arches; left margin 3.5, right margin 3.5, and 3.5+3+3.5=10. Vertical stack: bottom margin 1.5 + window 1.5 + gap 0.5 + awning 1 = 4.5, leaving 0.5 unit above the awning to reach the 5-unit body height. Awning: bottom 4 units wide, top 3.5 units wide, height 1 unit, centered over the 3-unit window, giving 0.5-unit overhang on each side.