

Boxcar, the design of which includes a crew compartment module, two two-axle bogies, an automatic coupler module, a braking system module, a frame module comprising the main frame, drawbars, side beams, cross beams, longitudinal beams, main cross beams, and end beams, and a body module. It consists of two side walls, each with a skin and a frame comprising a top rail, body pillars, door pillars, corner pillars, and two end walls comprising a skin and a frame consisting of a top rail, pillars, and a roof comprising a skin and a frame consisting of arches. The ridge beam consists of L-shaped sections that form a closed cross-section of its components; the end beams interact with the tie drawbars via cantilever beams. The end wall cladding consists of three sections, each of which comprises two metal sheets with energy-absorbing material located between them.