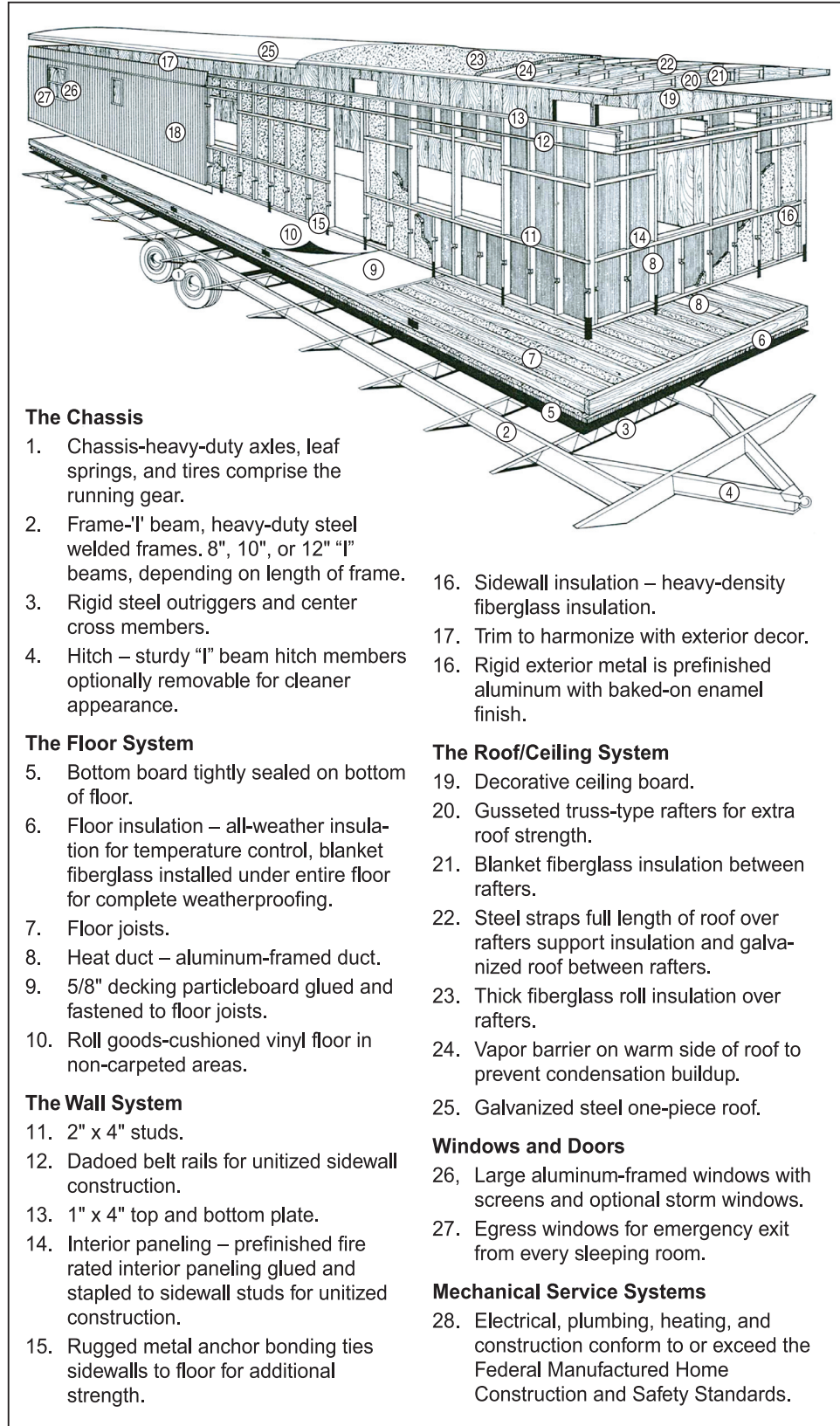


Figure 2-3. Main construction features of a typical manufactured home.



**The Chassis**

- 1. Chassis-heavy-duty axles, leaf springs, and tires comprise the running gear.
- 2. Frame-'I' beam, heavy-duty steel welded frames. 8", 10", or 12" "I" beams, depending on length of frame.
- 3. Rigid steel outriggers and center cross members.
- 4. Hitch – sturdy "I" beam hitch members optionally removable for cleaner appearance.

**The Floor System**

- 5. Bottom board tightly sealed on bottom of floor.
- 6. Floor insulation – all-weather insulation for temperature control, blanket fiberglass installed under entire floor for complete weatherproofing.
- 7. Floor joists.
- 8. Heat duct – aluminum-framed duct.
- 9. 5/8" decking particleboard glued and fastened to floor joists.
- 10. Roll goods-cushioned vinyl floor in non-carpeted areas.

**The Wall System**

- 11. 2" x 4" studs.
- 12. Dadoed belt rails for unitized sidewall construction.
- 13. 1" x 4" top and bottom plate.
- 14. Interior paneling – prefinished fire rated interior paneling glued and stapled to sidewall studs for unitized construction.
- 15. Rugged metal anchor bonding ties sidewalls to floor for additional strength.

- 16. Sidewall insulation – heavy-density fiberglass insulation.
- 17. Trim to harmonize with exterior decor.
- 16. Rigid exterior metal is prefinished aluminum with baked-on enamel finish.

**The Roof/Ceiling System**

- 19. Decorative ceiling board.
- 20. Gusseted truss-type rafters for extra roof strength.
- 21. Blanket fiberglass insulation between rafters.
- 22. Steel straps full length of roof over rafters support insulation and galvanized roof between rafters.
- 23. Thick fiberglass roll insulation over rafters.
- 24. Vapor barrier on warm side of roof to prevent condensation buildup.
- 25. Galvanized steel one-piece roof.

**Windows and Doors**

- 26. Large aluminum-framed windows with screens and optional storm windows.
- 27. Egress windows for emergency exit from every sleeping room.

**Mechanical Service Systems**

- 28. Electrical, plumbing, heating, and construction conform to or exceed the Federal Manufactured Home Construction and Safety Standards.