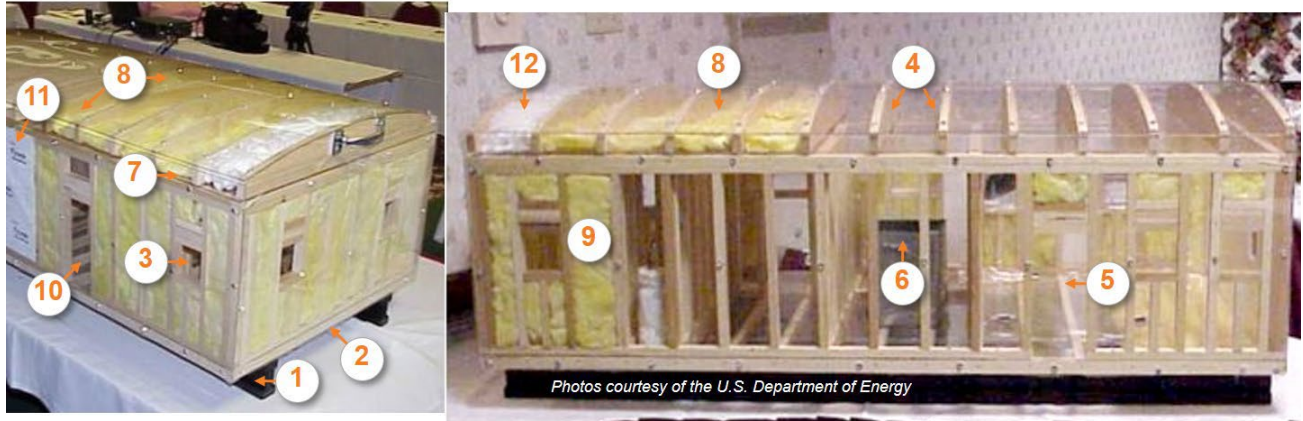


Manufactured Home Construction Details



- | | |
|-------------------------|-------------------------|
| 1. Main beam | 7. Top plate |
| 2. Band joist | 8. Ceiling joist cavity |
| 3. Rough window opening | 9. Wall section |
| 4. Bowstring trusses | 10. Rough door opening |
| 5. Floor joists | 11. Vapor barrier |
| 6. Heating/AC duct | 12. Blown-in insulation |

Figure 3.5. Typical mobile home components.

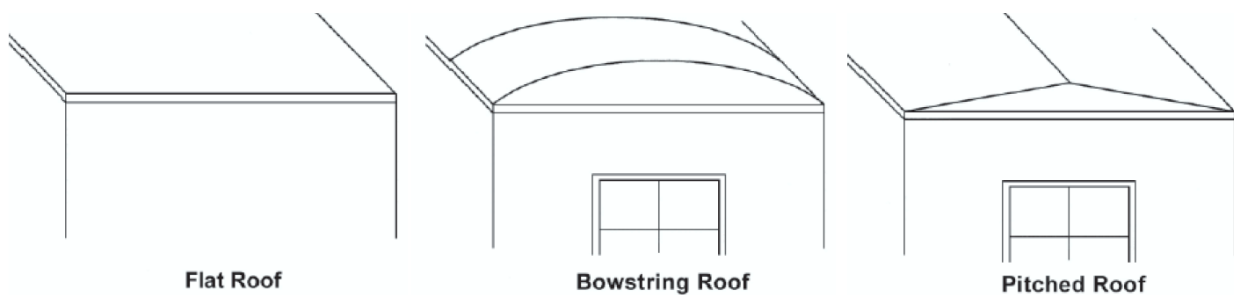


Figure 3.6. Typical manufactured home roof configurations.

Manufactured Home Construction Details

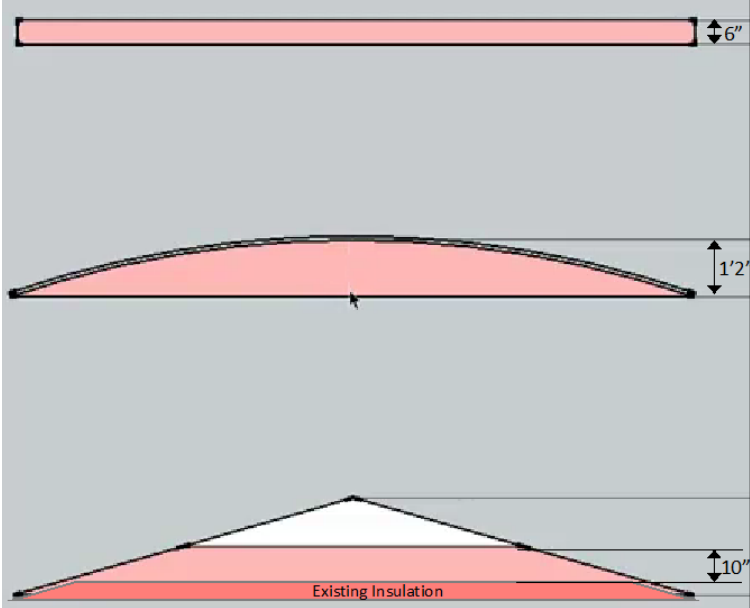


Figure 3.7. Section drawings of manufactured home roof configurations (from top to bottom: flat roof, bowstring roof, pitched roof).

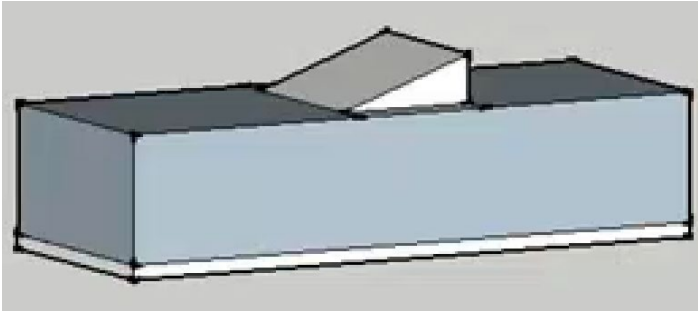


Figure 3.8. Sloped roof cathedral ceiling with step wall, typical with flat roofs.

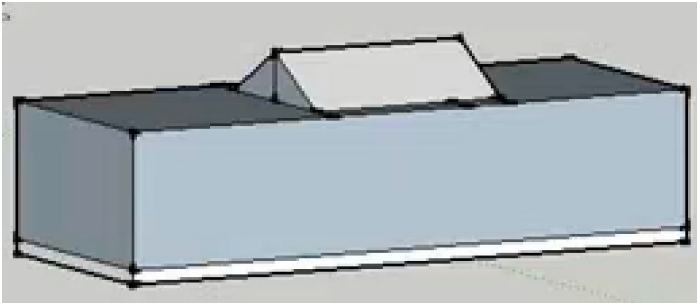


Figure 3.9. Cathedral ceiling configurations with no step wall, typical with pitched roofs.

Manufactured Home Construction Details

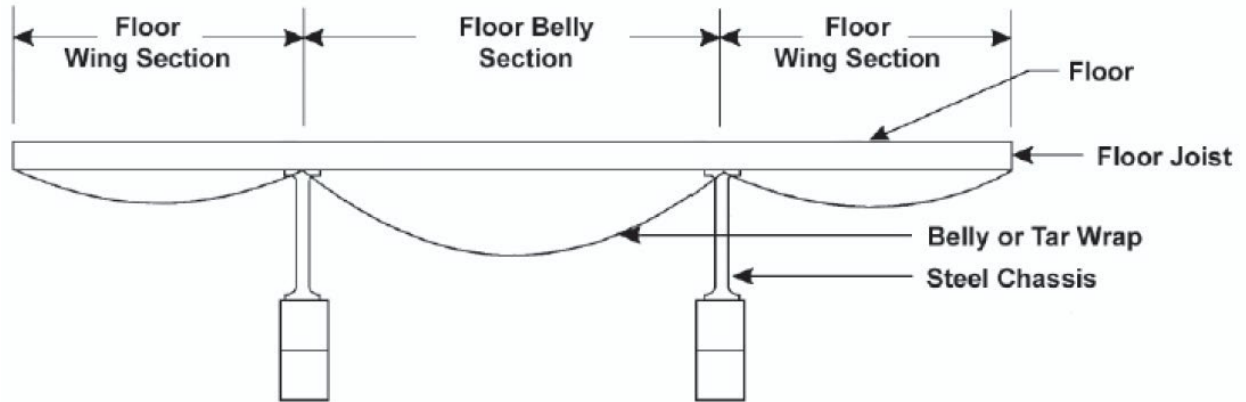


Figure 3.10. Widthwise floor joist direction.

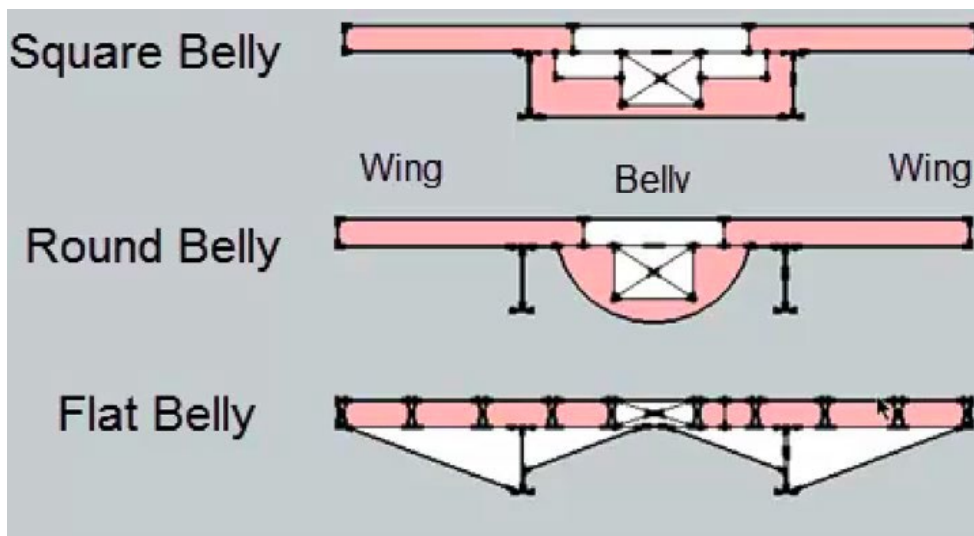


Figure 3.11. Typical manufactured home belly configurations.

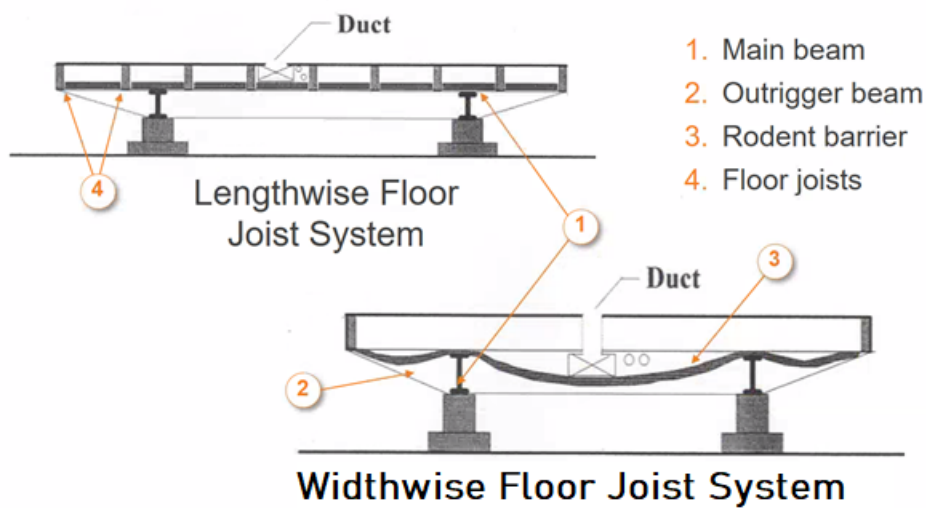
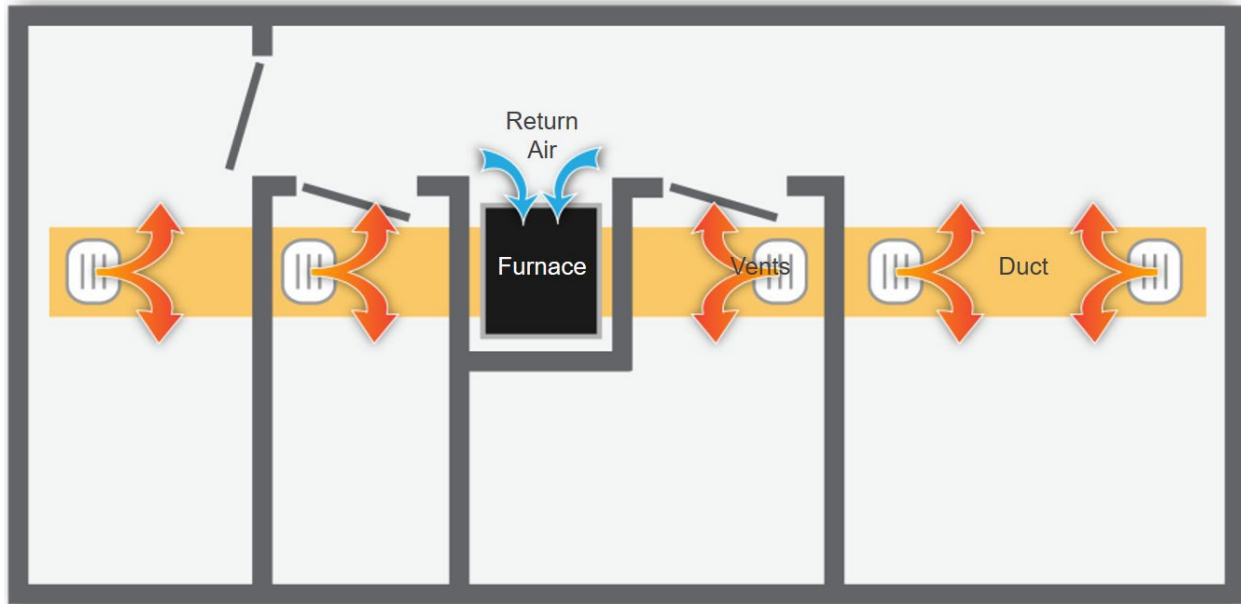


Figure 3.12. Manufactured homes joist spacing and direction.

Manufactured Home Construction Details



Graphic developed for the U.S. DOE WAP Standardized Curricula

Figure 3.17. Typical furnace and duct system layout in a mobile home.

Source: [Web-Based-WA-Getting-Started-Guideline-05-08-2020.pdf \(ornl.gov\)](#)