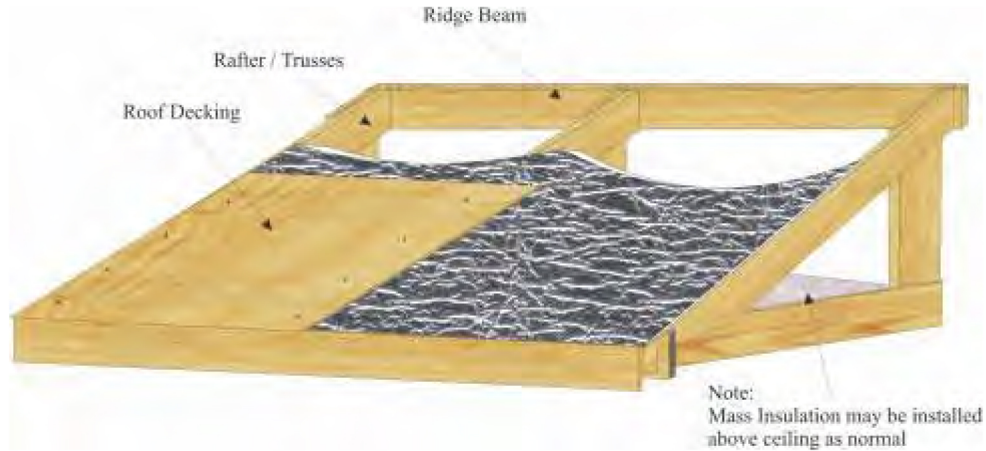


Roofing Applications

New Construction Over Roof Rafter Installation

System R-Value: R- 11.04 Down, R- 7.29 Up

After roof truss or roof rafters have been located and installed, install Low-E Insulation® by drooping approx. 2" at center of span over the truss/rafters. Use staples to attach material. To assure a proper vapor barrier, all seams should be taped securely with Low-E tape. If continuous roof/ridge vent is to be installed, insulation should stop approx. 2" from vent to allow flow of air out of roof system.

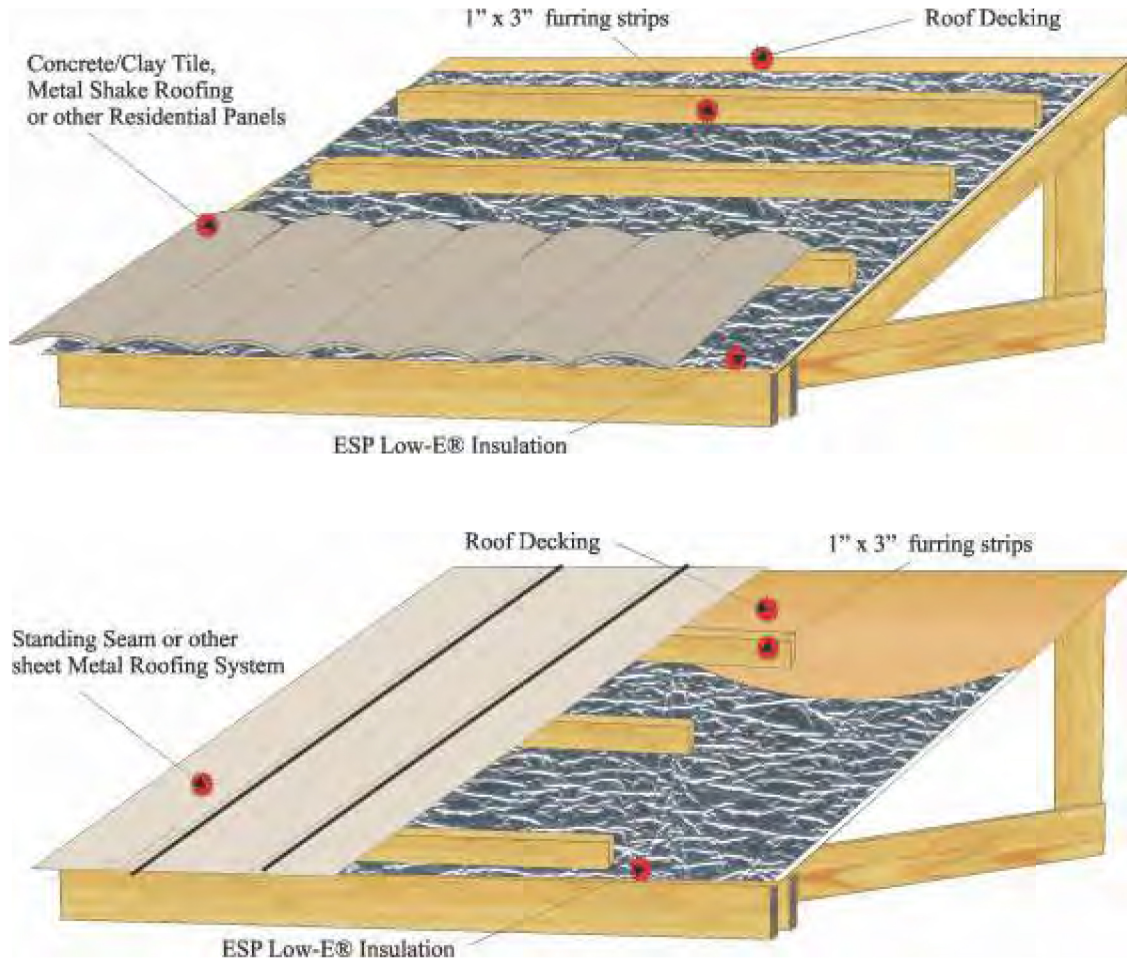


SYSTEM R-VALUES FOR THESE INSTALLATION METHODS WERE CALCULATED USING DATA FROM THE ASHRAE HANDBOOK OF FUNDAMENTALS

Residential Metal Roof Installation

Average System R-Value: R- 9.15 Down

Furring boards provide airspace between top of ESP Low-E® Insulation and underside of metal roof.



SYSTEM R-VALUES FOR THESE INSTALLATION METHODS WERE CALCULATED USING DATA FROM THE ASHRAE HANDBOOK OF FUNDAMENTALS