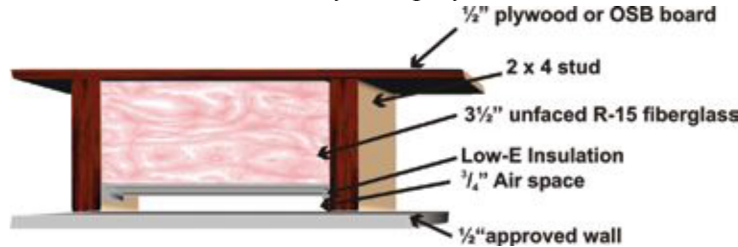


Wall Applications

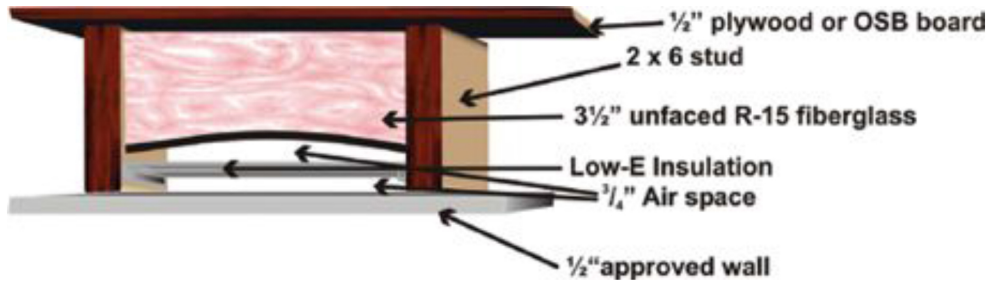
Wall Application with Low-E & Mass Insulation (2 x 4) & (2 x 6)

System R-Value: R-18.91, Horizontal Heatflow Only

The first step in this application is to install mass insulation in the wall cavity. Next install Low-E Insulation Tab Material with the tab flush to the outside of the stud. It is recommended that 1/2" staples be applied approximately every 6" along tab to fasten Low-E. All seams are taped securely with Low-E Tape. Cover the face of each stud with tape. All seams around electrical boxes are taped. For 2x6 installation, follow above instructions but add wire supports to provide additional air space between the Low-E insulation and the mass insulation. Due to compression R-value may be slightly lower.



System R-Value: R-22.75, Horizontal Heatflow Only

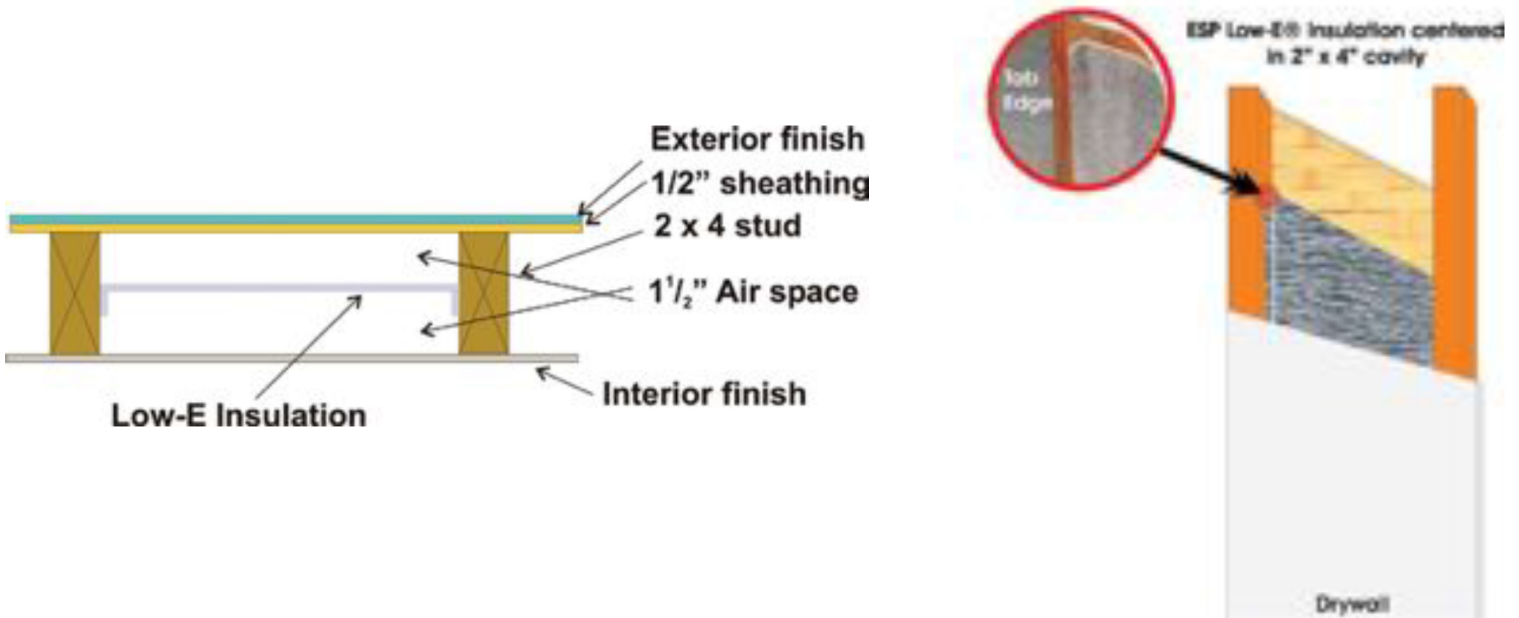


THE SYSTEM R-VALUES FOR THESE INSTALLATION METHODS WERE CALCULATED USING DATA FROM THE 1989 ASHRAE HANDBOOK OF FUNDAMENTALS.

Wall Application with 1 Layer of Low-E (No Mass Insulation)

System R-Value: R-9.06, Horizontal Heatflow Only

Install Low-E Insulation Tab Material with the tab centered within the stud cavity. It is recommended that 1/2" staples be applied approximately every 6" along tab to fasten Low-E. All seams are taped securely with Low-E Tape. All seams around electrical boxes are taped. To achieve a vapor retarder, all seams must be taped securely with Low-E tape.



CALCULATIONS FOR THIS ASSEMBLY WERE DONE BY R&D SERVICES REPORT NUMBER RD03224.