

RETROFIT ROOF INSTALLATION OVERVIEW

SIMPLE SAVER® SYSTEM



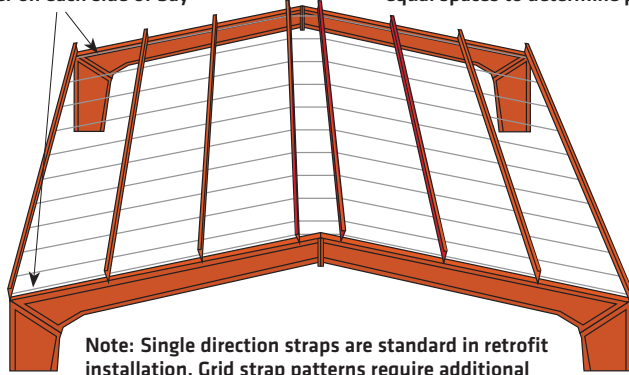
601 North Main Street | PO Box 468 | Madison, NE 68748
800.255.0776 | thermaldesign.com

Please follow complete manufacturers instructions for safety, performance and effectiveness. The following information and detail overview is how our insulation and finishing systems are installed and shall only be used to understand the basic process. Thermal Design, Inc. (Madison, NE) is the manufacturer of the Simple Saver System.

Step 1: Install UVMAX™ steel straps across the bay 24" to 30" on center by fastening at one end, pulling hand tight and fastening at ridge purlin, then pulling hand tight and fastening at opposite end.

Steel straps should be installed about 1" from rafter on each side of bay

Intermediate steel straps installed 24" to 30" on center (split bay into equal spaces to determine placement)

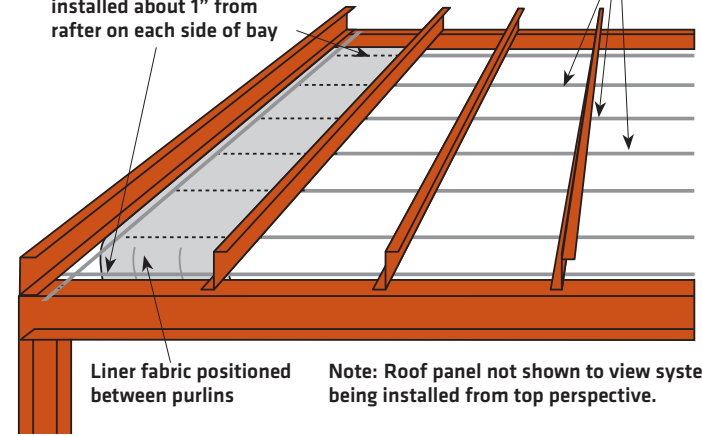


Note: Single direction straps are standard in retrofit installation. Grid strap patterns require additional strapping and are available at slightly higher costs.

Step 2: Position the Syseal™ liner fabric over intermediate straps between two purlins. Fasten one end of the fabric to the eave strut by backing out one fastener at a time, holding the straps, then pulling fabric to the wall line and replacing the fastener through the fabric into the same hole. Repeat this process for all intermediate straps.

Steel straps should be installed about 1" from rafter on each side of bay

Intermediate steel straps previously installed in Step 1



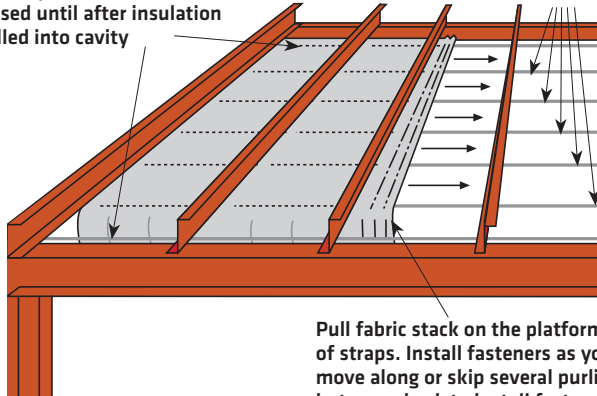
Liner fabric positioned between purlins

Note: Roof panel not shown to view system being installed from top perspective.

Step 3: Pull the Syseal™ liner fabric stack toward ridge on the platform of steel straps. Pull one purlin space or several purlin spaces at once and install the fasteners. Then install the intermediate fasteners.

Steel straps next to rafter are not used until after insulation is pulled into cavity

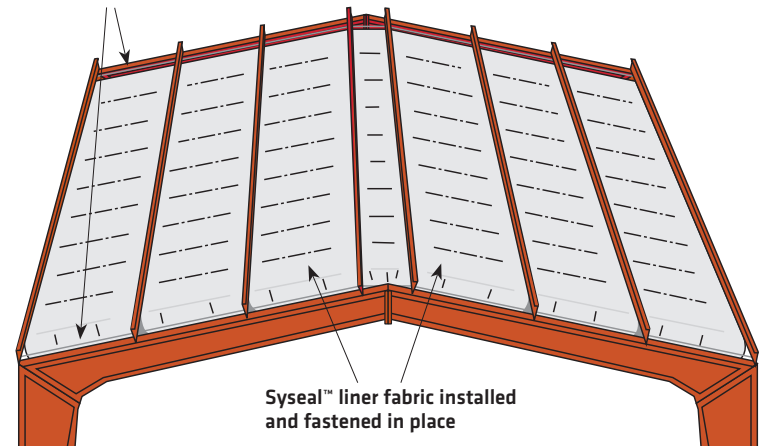
Intermediate steel straps spanning eave to ridge



Pull fabric stack on the platform of straps. Install fasteners as you move along or skip several purlins but come back to install fasteners.

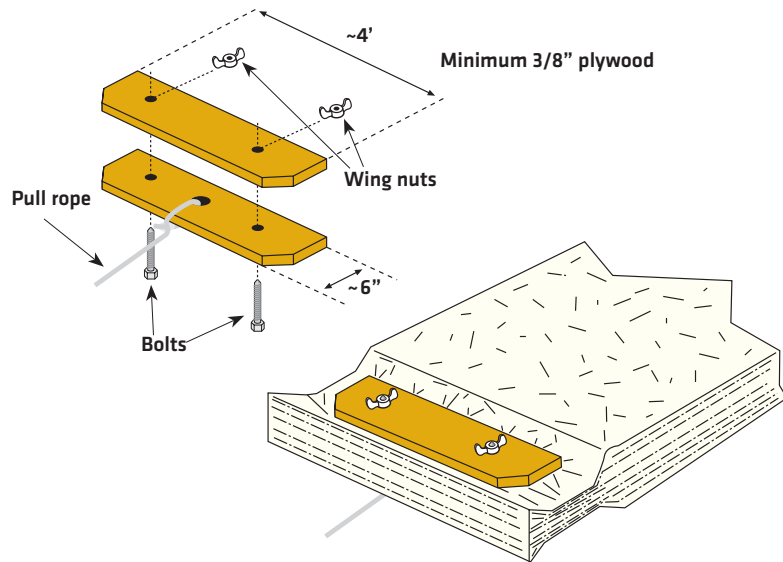
Step 4: Complete the installation of fabric across the bay.

Steel straps next to rafter are not used until insulation is pulled into position

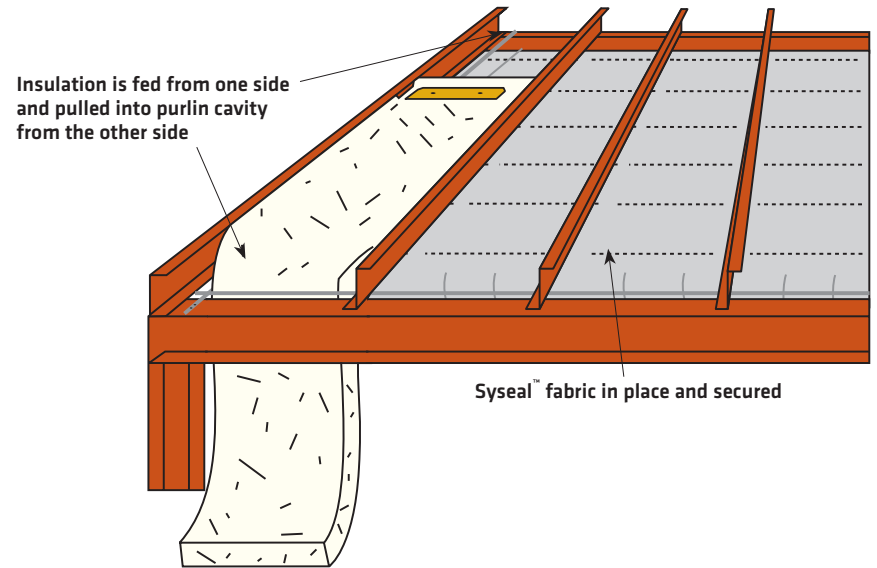


Syseal™ liner fabric installed and fastened in place

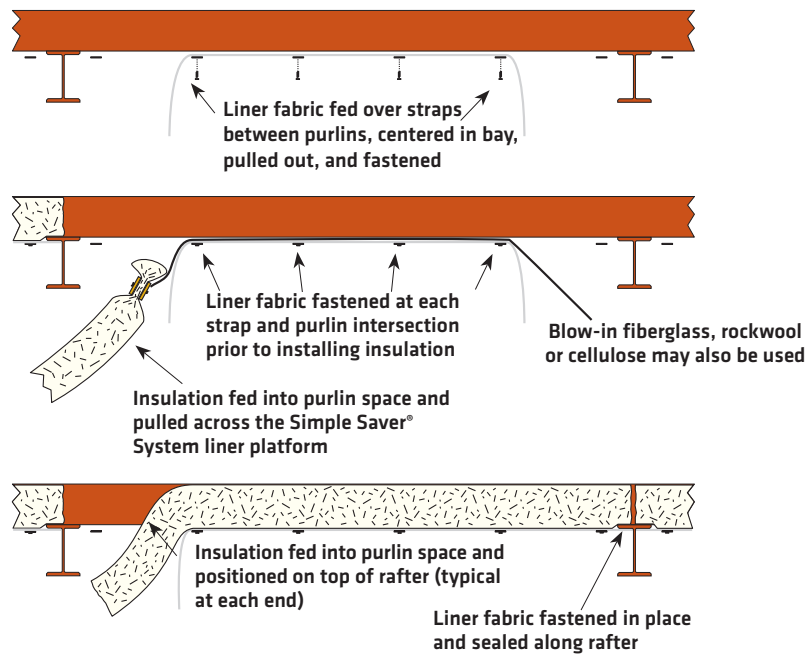
Insulation pulling boards available from Thermal Design.



Step 5: Attach a batt of pre-cut insulation to the pulling board. Slide a tape measure above and across the liner system, attach a pull rope, and pull back across the suspended platform. Pull insulation into the purlin cavity as shown.



Cross sectional view of retrofit installation.



Cross sectional detail at the rafter.

