

SECTION 5:
BAR JOIST CONSTRUCTION DETAILS

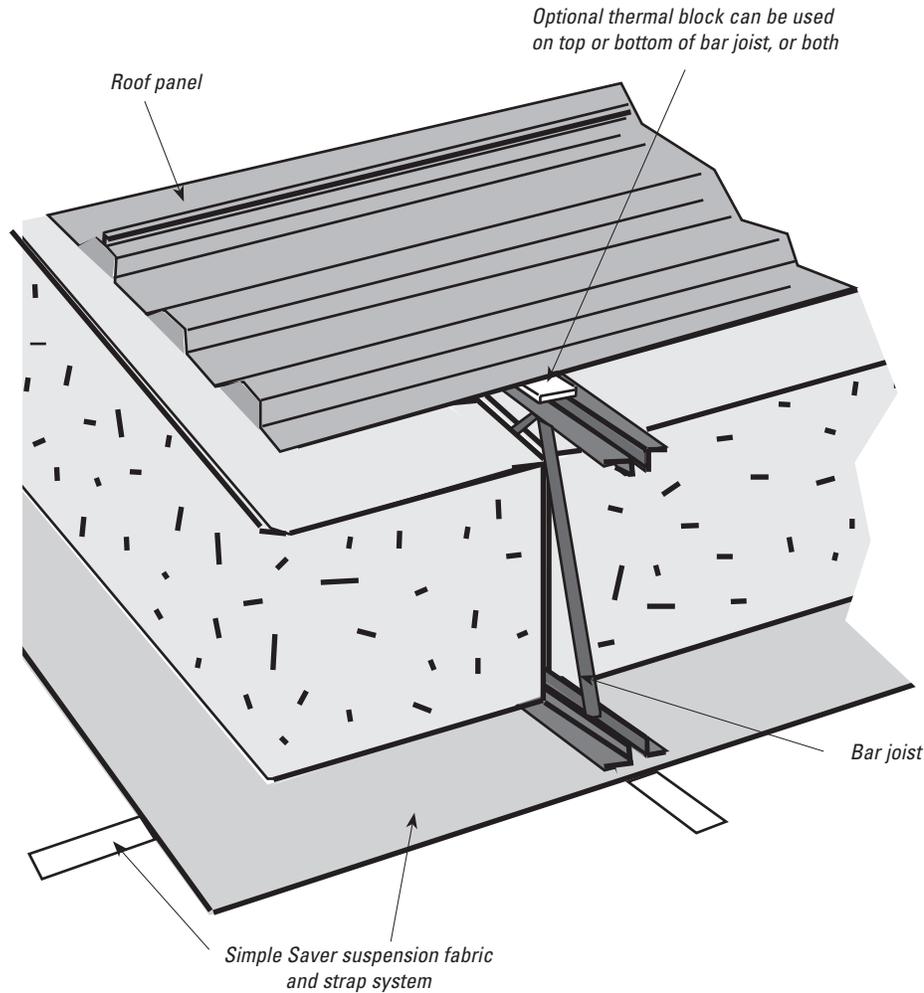
SIMPLE SAVER SYSTEM
DESIGN MANUAL

Call Toll-free: 1-800-255-0776 Fax: 1-402-454-2708
E-mail us at: custserv@thermaldesign.com



SIMPLE SAVER SYSTEM DESIGN MANUAL BY THERMAL DESIGN

SINGLE-LAYER FIBERGLASS BLANKET INSULATION SYSTEM FOR BAR JOIST BUILDINGS (NEW OR RETROFIT)



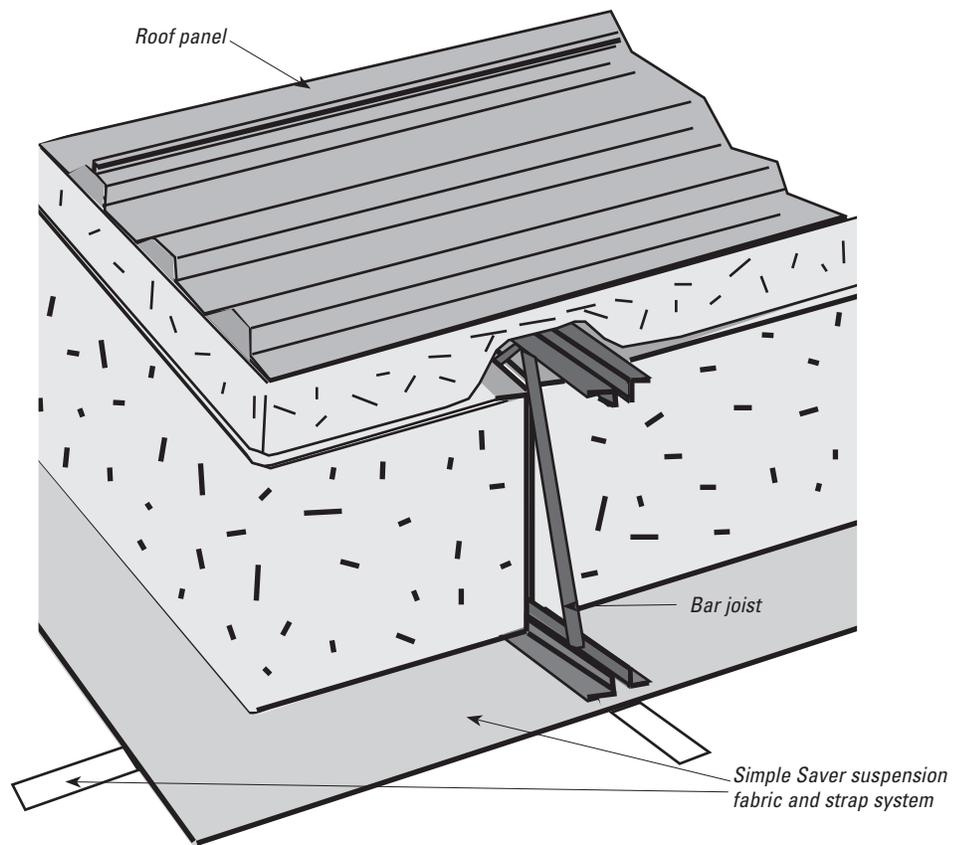
Thermal blocks should be installed continuously on the top or bottom surface of the bar joists. Various thermal blocks are available for these systems.

Note: Thermal blocks are recommended between roof panels and the bar joists if no other thermal break material is used.

TOTAL 'R' INSULATION THICKNESS	
R-10	3 1/4"
R-11	3 1/2"
R-13	4 1/2"
R-16	5 1/2"
R-19	6 1/2"
R-24	8"
R-30	9 1/4"

***Special restrictions of order apply (minimum orders and sizes)**

DOUBLE-LAYER FIBERGLASS BLANKET INSULATION SYSTEM FOR BAR JOIST BUILDINGS

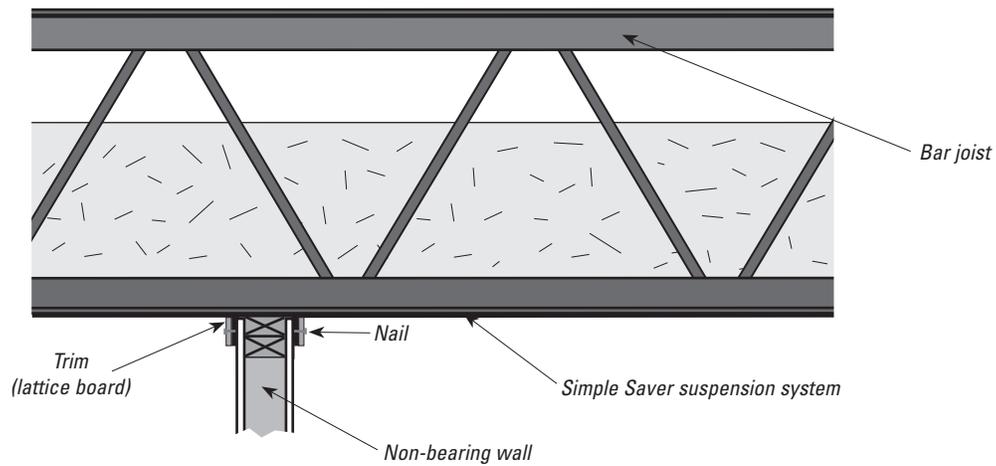
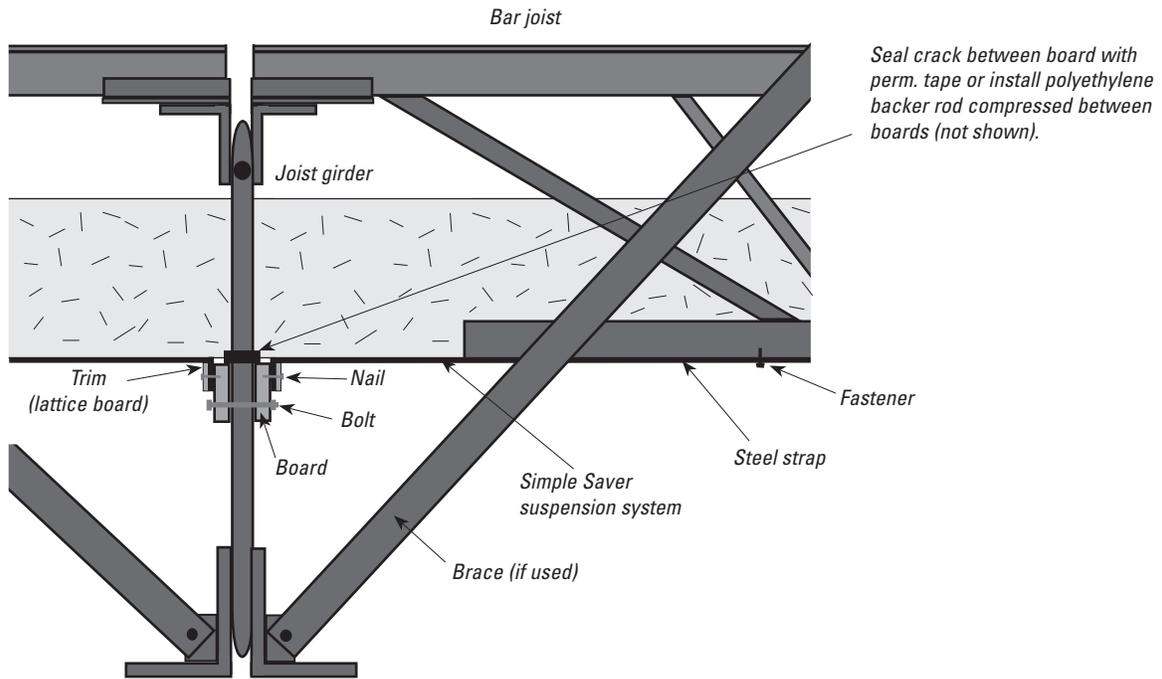


Total 'R'	Upper Layer Thickness	R-value	Lower Layer Thickness	R-value
R-20	3 1/2"	10	3 1/4"	10
R-23	3 1/4"	10	4 1/4"	13
R-26	4 1/4"	13	4 1/4"	13
R-26	3 1/4"	10	5 1/2"	16
R-29	3 1/4"	10	6 1/2"	19
R-29	4 1/4"	13	5 1/2"	16
R-32	4 1/4"	13	6 1/2"	19
R-32	5 1/2"	16	5 1/2"	16
R-34	3 1/4"	10	8"	24
R-35	5 1/2"	16	6 1/2"	19
R-37	4 1/4"	13	8"	24
R-38	6 1/2"	19	6 1/2"	19
R-40	3 1/4"	10	9 1/4"	30
R-43	4 1/4"	13	9 1/4"	30

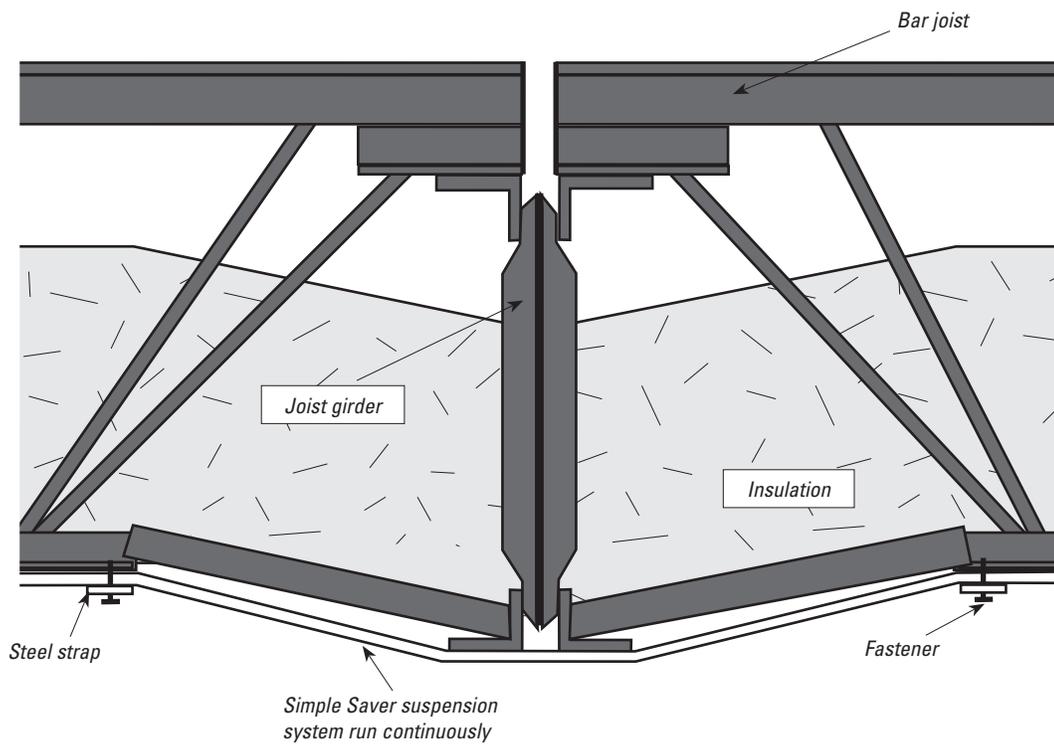
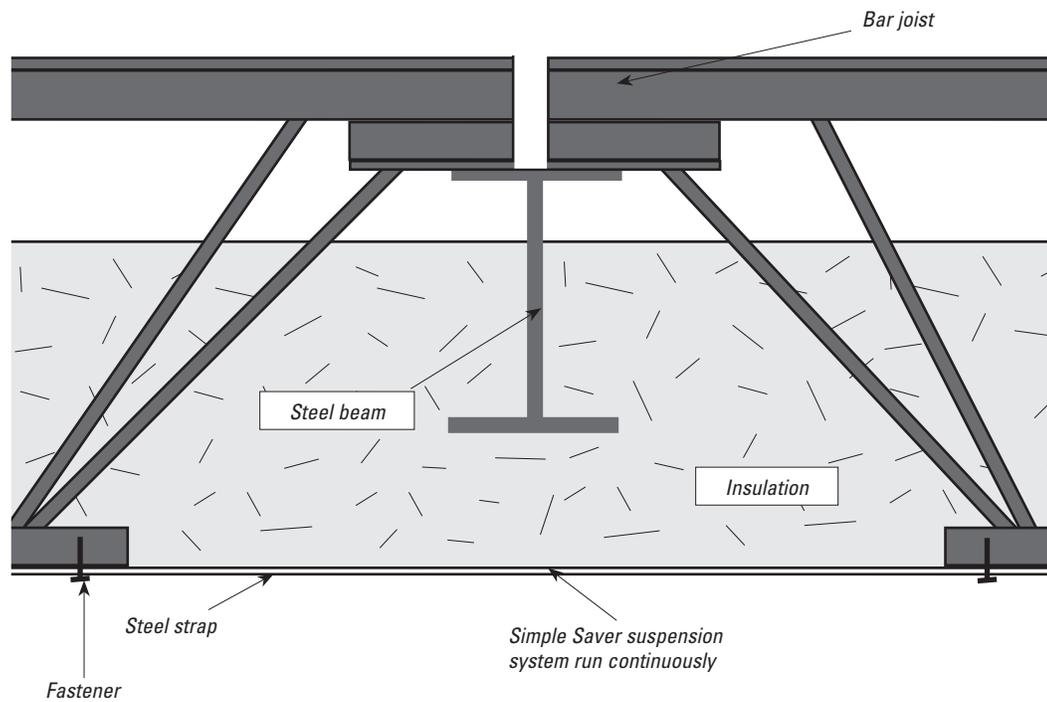
Note: Higher R-values and other combinations available

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BAR JOIST ROOF SYSTEM CONSTRUCTION DETAILS



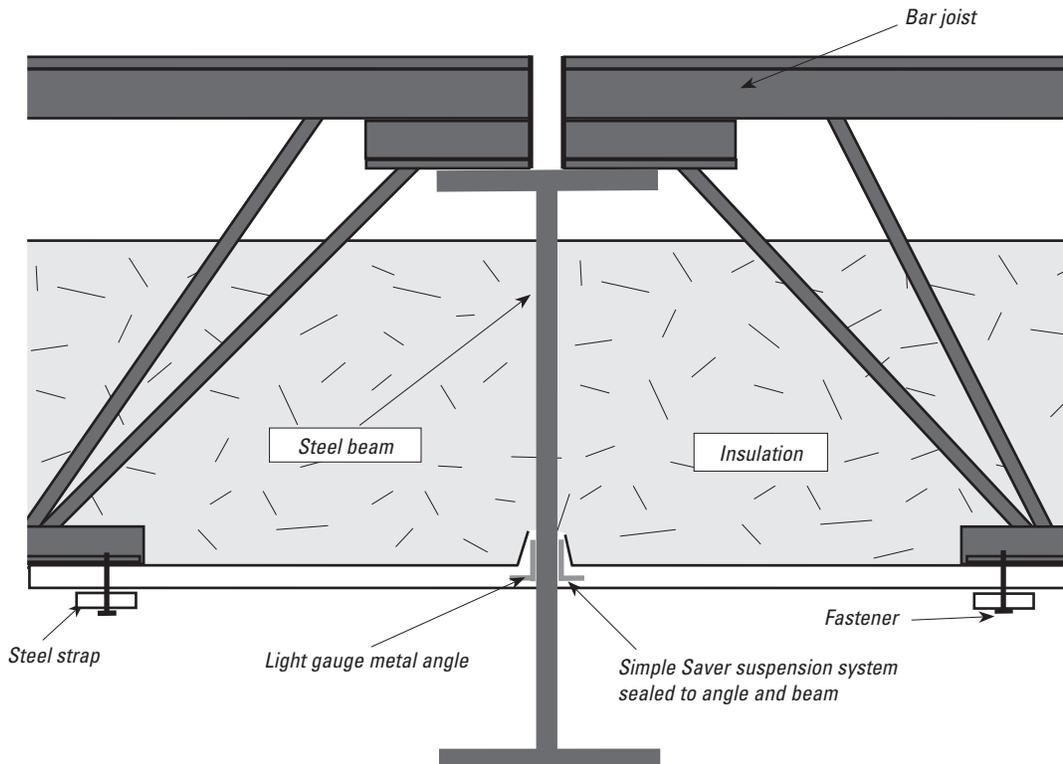
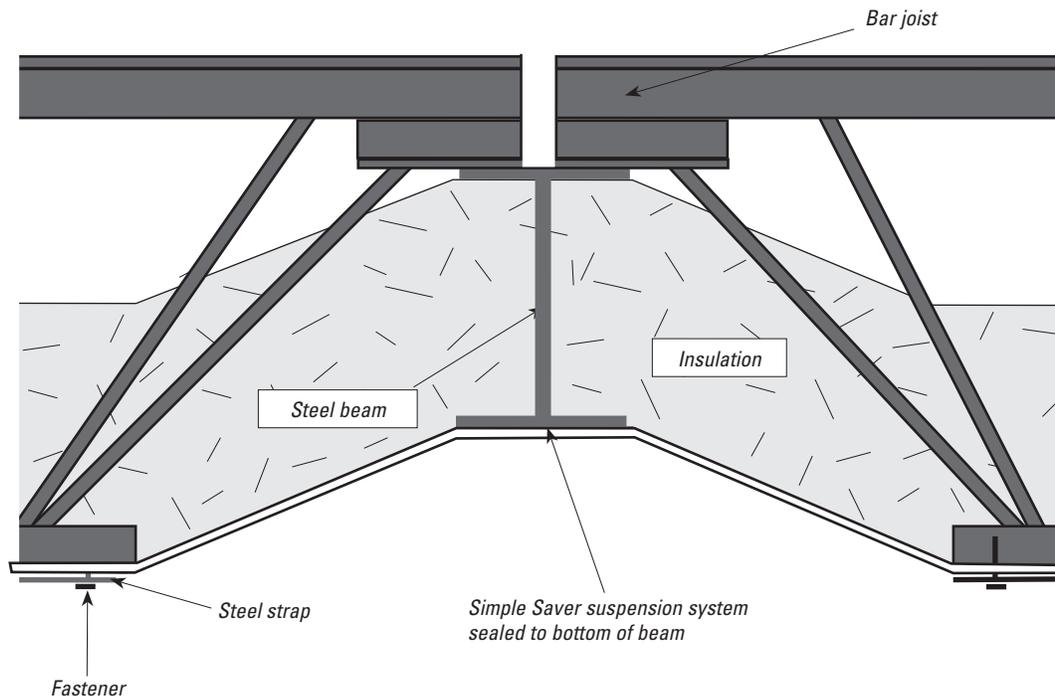
**TYPICAL DETAIL OF CONDITIONS
COMMON IN BAR JOIST ROOF STRUCTURES**



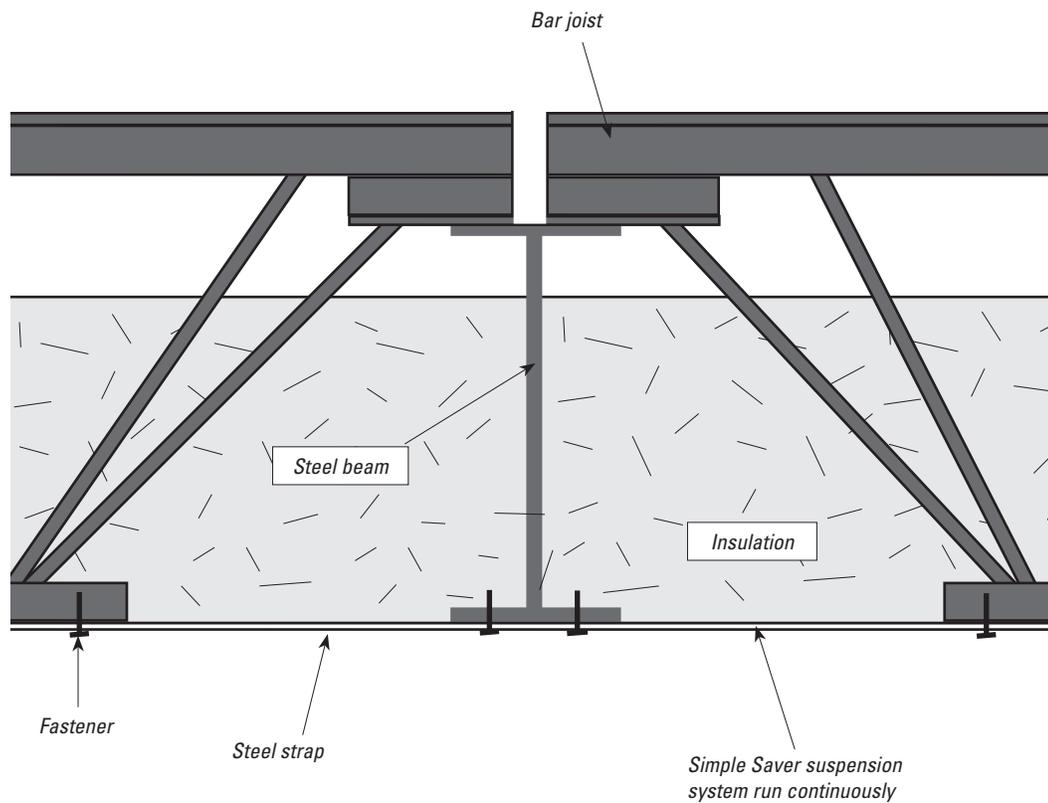
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TYPICAL DETAIL OF CONDITIONS COMMON IN BAR JOIST ROOF STRUCTURES



**TYPICAL DETAIL OF CONDITIONS
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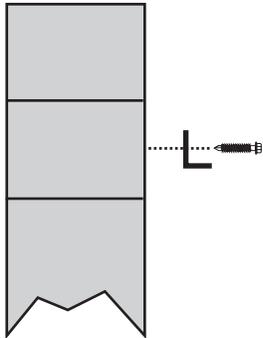
Other combinations or configurations can also use the Simple Saver System. Call Thermal Design at (800) 255-0776 or your distributor for any questions and instructions for all your projects.

SIMPLE SAVER SYSTEM DESIGN MANUAL

BY THERMAL DESIGN

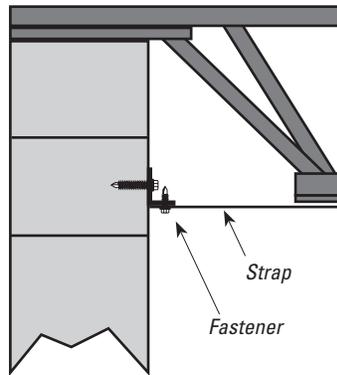
SUSPENSION SYSTEM INSTALLATION IN BAR JOIST ROOF STRUCTURES

1. Attach perimeter angle



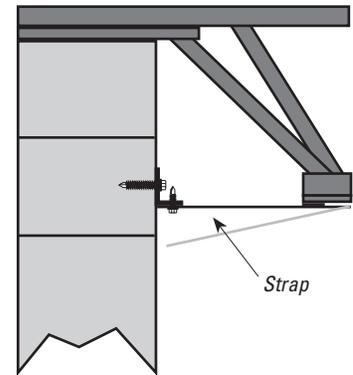
Lag angle around perimeter.
Bottom edge even with plane of suspension system.

2. Strap Installation



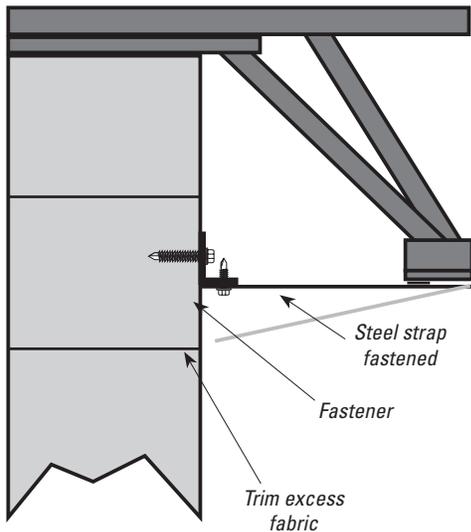
Strap
Fastener

3. Fabric placement



Pull fabric to wall; slit fabric at strap fastening point to allow excess fabric to hang downward along plane of the wall.

4. Fabric attachment



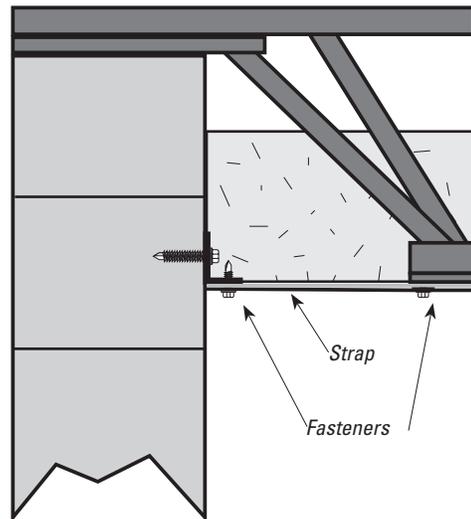
Steel strap fastened
Fastener

Trim excess fabric



Wood can be used as an option in place of metal angle

5. Finished detail

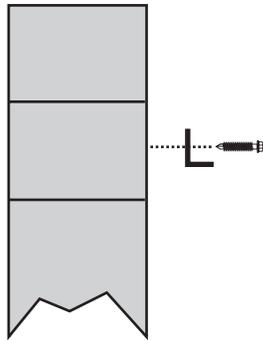


Strap
Fasteners

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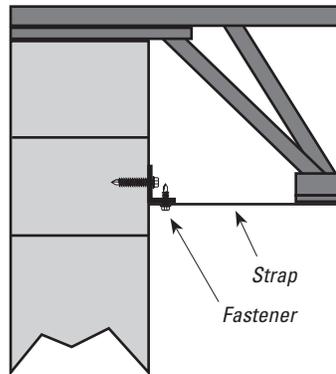
**SUSPENSION SYSTEM INSTALLATION
IN BAR JOIST ROOF STRUCTURES**

1. Attach perimeter angle

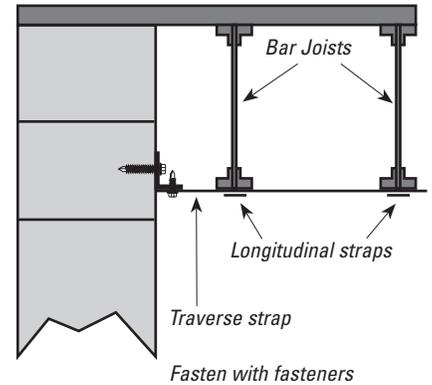


Lag angle around perimeter.
Bottom edge even with plane of
suspension system.

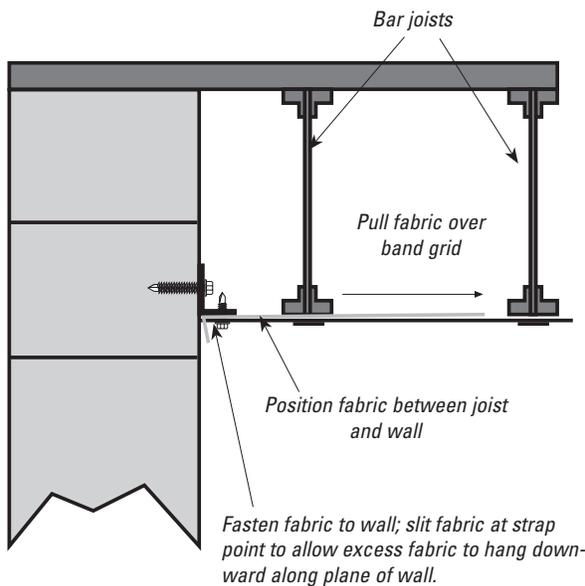
2. Strap installation below each
joist (longitudinal)



3. Installation of traverse strap



4. Installation of fabric



5. Installation of insulation

