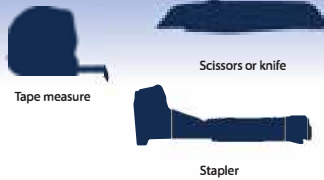


## TOOLS YOU WILL NEED



## Installation Sheet

Rev. 8/2014

# Radiant Barrier Insulation

New Construction - There are two primary applications of Silver Shield for new construction; roofs and walls.

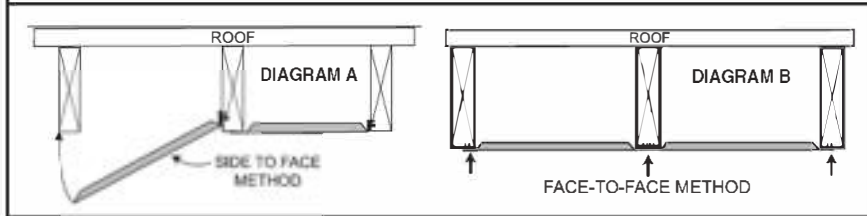
Stapling - In all applications the product should be stapled every 4" to 8".

Proper Storage: Store insulation material in a dry, covered facility away from temperature extremes and weather elements.

Handling: Protect material during handling and installation to prevent damage.

Re-Installation: Product is not covered by the product warranty.

### TWO PRIMARY METHODS OF INSTALLATION FOR ROOF CAVITIES



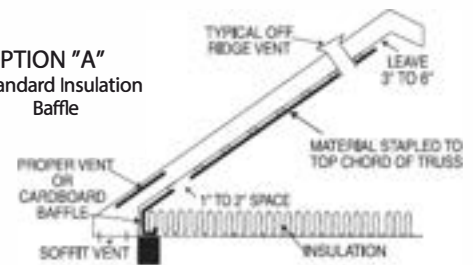
### CONTINUOUS ROOF APPLICATION

Silver Shield™ using:

#### A. Standard Insulation (proper vent or cardboard) baffle

1. Begin Silver Shield™ approximately 3" to 6" above mass insulation or cardboard baffle if used.
2. Leave a 3" to 6" opening at the ridge.
3. Cut out sections of Silver Shield™ for other roof vents.
4. Enclose each end (peak and soffit areas) of the product by folding the ends over twice to form a 3/4" reflective air space (Refer to Exhibit 1)

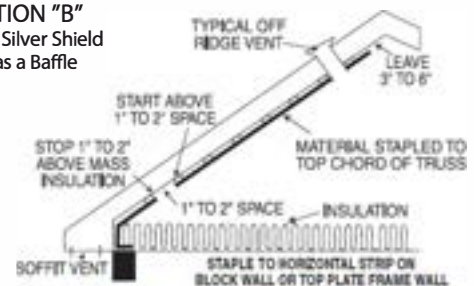
#### OPTION "A" Standard Insulation Baffle



#### B. Silver Shield™ as Baffle

1. Tuck back over block or wood wall and staple to top of horizontal furring or top plate. Note: If no furring strip or top plate tuck over wall and double staple to side of truss.
2. Cut or Leave a 1" to 2" opening above mass insulation in close proximity where Silver Shield™ and mass insulation meet.
3. Leave a 3" to 6" opening at the ridge
4. Cut out sections of Silver Shield™ for other roof vents.
5. Enclose each end of the product by folding the ends over twice to form a 3/4" reflective air space (Refer to Exhibit 1)

#### OPTION "B" Use Silver Shield as a Baffle



#### Gable End Trusses

1. Install vertically with framing
2. Enclose the entire gable. The cavities do not need ventilated due to perforations on the material.

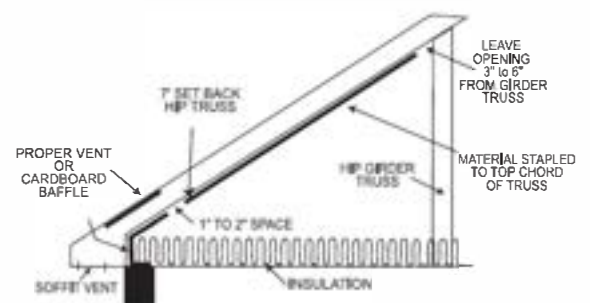


### HIP ROOF APPLICATION

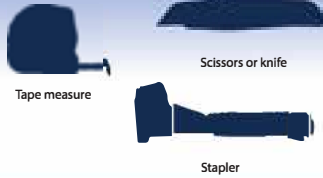
Silver Shield™ using:

#### A. Standard Insulation (proper vent or cardboard) baffle

1. Begin Silver Shield™ approximately 3" to 6" above mass insulation or cardboard baffle if used and continue to Girder Truss
2. Continue to Girder Truss.
3. Leave a 3" to 6" opening at the cross member to allow cavity to vent.
4. Cut out sections of Silver Shield™ for other roof vents.
5. Enclose each end of the product by folding the ends over twice to form a 3/4" reflective air space (Refer to Exhibit 1)



## TOOLS YOU WILL NEED



## Installation Sheet

# Radiant Barrier Insulation

### HIP ROOF APPLICATION cont.

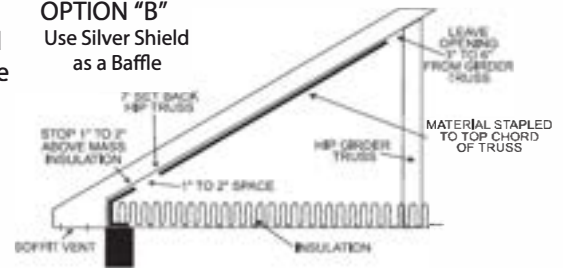
### BEST APPLICATION

#### B. Silver Shield™ as Baffle

1. Tuck back over block or wood wall to allow the mass insulation to extend over the top of the wall and staple to top of horizontal furring or top plate  
Note: If no furring strip or top plate tuck over wall and double staple to side of truss.
2. Continue to Girder Truss.
3. Leave a 3" to 6" opening at the cross member to allow cavity to vent.
4. Cut out sections of Silver Shield™ for other roof vents.
5. Enclose each end of the product by folding the ends over twice to form a 3/4" reflective air space (Refer to Exhibit 1)

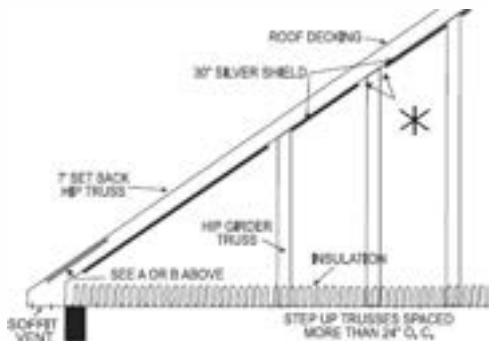
#### OPTION "B"

Use Silver Shield as a Baffle



#### Step Up Hip Trusses

1. Use 30" wide Silver Shield™
2. Staple every 4" to 8"
3. Cover entire cavity - \* Fold back to form a hole approximately 3 sq. inches in opposite corners

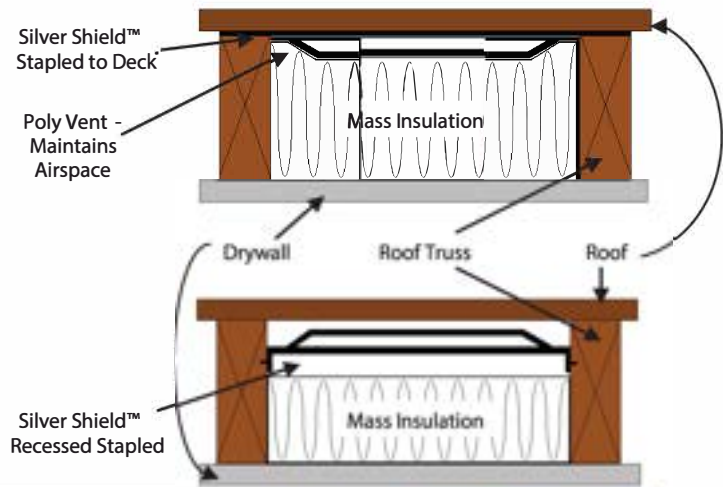


### SINGLE ASSEMBLY SOLUTIONS

Silver Shield™ Stapled to Deck

Poly Vent - Maintains Airspace

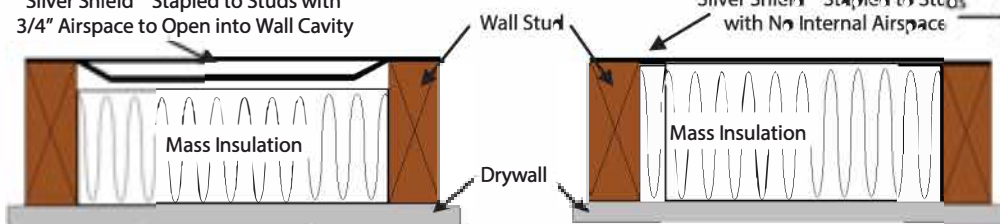
Silver Shield™ Recessed Stapled



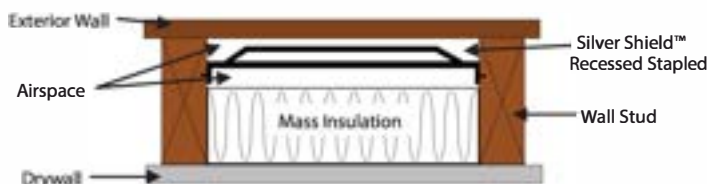
### BONUS ROOM AND KNEE WALL ASSEMBLY SOLUTIONS

Silver Shield™ Stapled to Studs with 3/4" Airspace to Open into Wall Cavity

Silver Shield™ Stapled to Studs with No Internal Airspace



### EXTERIOR WALL ASSEMBLY SOLUTIONS



#### FINAL NOTES:

1. Generally leave a 3" clearance around flues, chimneys, and other heat producing electrical and mechanical devices. Refer to your local building code or ASTM C1744 and C727 for more information.
2. For coastal areas: Use Galvanized Steel or Stainless Steel Staples.
3. Measurements are approximate.
4. Mass Insulation = Fiberglass, cotton, cellulose, foam board, or spray foam.