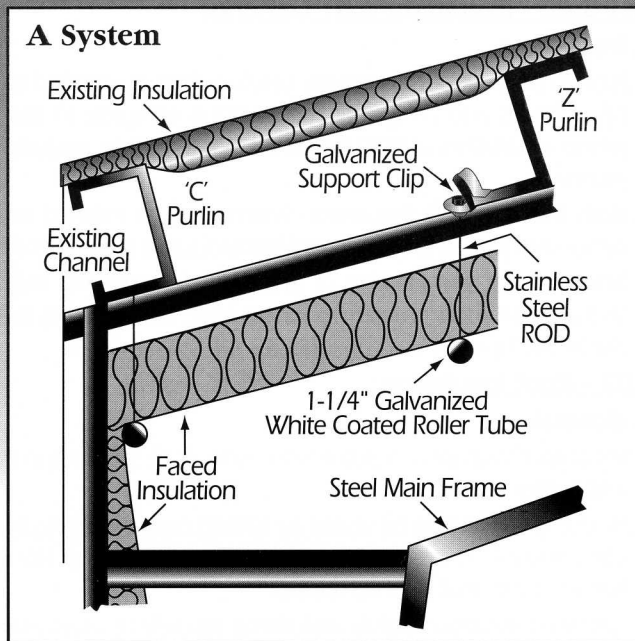
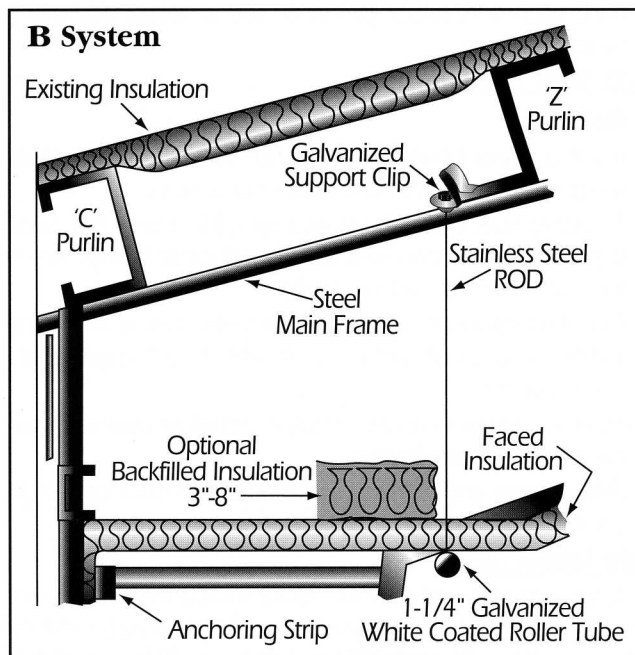


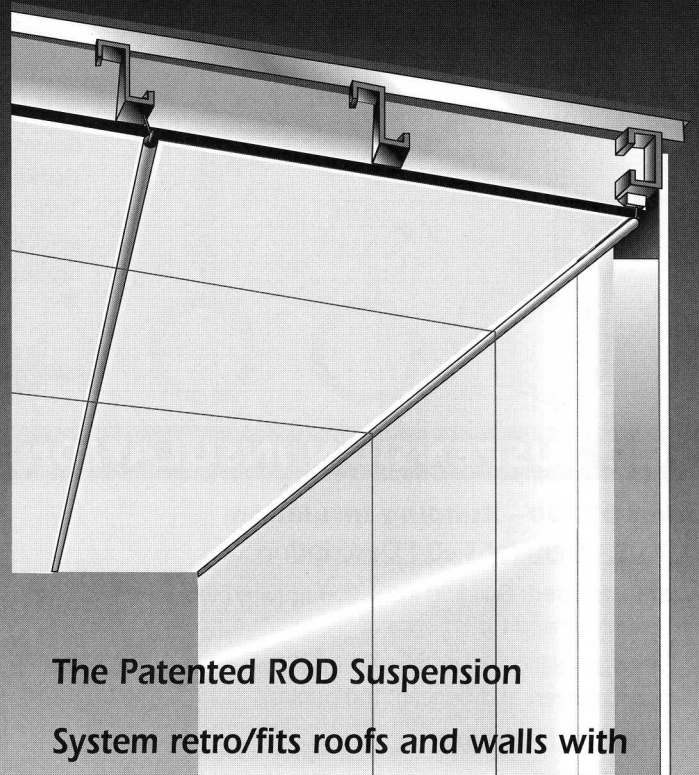
# ROD Suspension Insulation System



**A System = Above the Frame**



**B System = Below the Frame**



The Patented ROD Suspension System retro/fits roofs and walls with Fiberglass insulation that conserves energy and provides a high rate of return on investment for new and existing buildings nationwide.

- ▶ Aesthetically Pleasing
- ▶ Reduces Utility Bills Up To 75%
- ▶ Controls Condensation & Ice Buildups
- ▶ Increases Light Reflectivity
- ▶ Reduces Noise Transmission
- ▶ Quality Materials & Custom Design
- ▶ Installation Without Business Interruption
- ▶ Adds Value to Your Building

*Call us or write us for a quotation:*

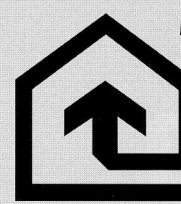


**Toll Free: (800) 423-0453**

**100 Park • Troy, MI 48083**

**Ph: (248) 589-0453 • Fax: (248) 589-0134**

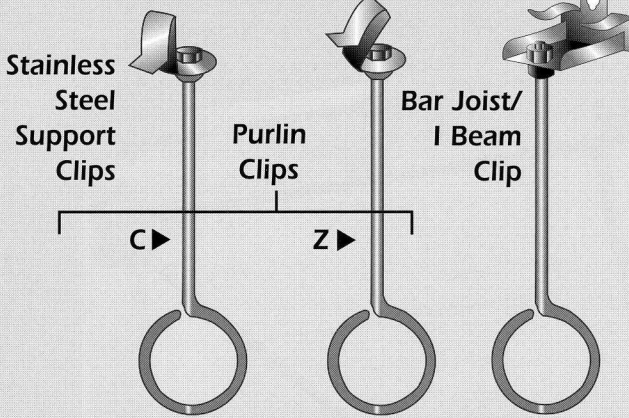
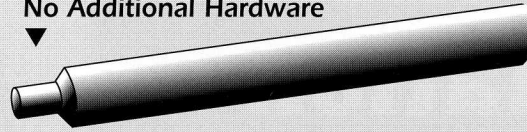
Manufactured by:



**COMMERCIAL  
BUILDING &  
RETROFIT, INC.**

**100 Park • Troy, MI 48083  
(800) 423-0453**

Powder Coated White  
Galvanized Steel Roller  
Tubes are 10' Long x 1-1/4" dia.  
and Connect Together with  
No Additional Hardware



## ROD SUSPENSION INSULATION SYSTEM GUIDE SPECIFICATIONS

### Section 07200 - Building Insulation

#### Part 1.00 - General 1.01 Description

**A. Work included:** Building insulation required includes, but is not necessarily limited to:

1. Faced insulation plus back-fill insulation below the building roof, between and beneath the purlins.

#### 1.02 Product Handling:

**A. Protection:** Deliver all materials to the job site and store in a safe dry place with all labels intact and legible at time of installation. Use all means necessary to protect building insulation materials before, during, and after installation and to protect the installed work and materials of all other trades. Use all means necessary to protect flooring of building from damage by scaffolding or lifts.

#### Part 2.00 Products / 2.01 Building Insulation

##### A. General:

1. Insulation shall be ROD Suspension roof and wall insulation for metal buildings.
2. All required insulation hardware shall be provided as a part of both roof and wall insulation system.
3. The system shall have an installed U-value of \_\_\_\_\_ at 75 degrees F mean temperature, summer design and a U-value of \_\_\_\_\_ at 45 degrees F mean temperature, winter design. Insulation system shall be certified as tested in accordance with ASTM C236. Vapor barrier shall be .02 perm.

##### B. Roof:

1. Insulation for the roof shall meet the property requirements of Federal Specification HHH-558B, and shall be in one or two layers:
  - a. The first insulation layer shall be metal building insulation having an R-value of \_\_\_\_\_ faced with \_\_\_\_\_. The composite product shall have a 20 flame spread rating and a 50 smoke development rating as tested in accordance with ASTM E96.
  - b. The second insulation layer shall be metal building insulation having an R-value of \_\_\_\_\_ unfaced, with a 20 flame spread rating and a 20 smoke developed rating, as tested in accordance with ASTM E84-80.
2. Attaching hardware for roof insulation shall include:
  - a. 1-1/4" Galvanized white powder coated enameled roller tubes 10' long for attachment to purlins (coordinated to wide rolls of faced insulation);
  - b. Type \_\_\_\_\_ purlin clips, for installation of roller rods on \_\_\_\_\_ type purlins;

#### Part 3.00 - Execution 3.01 General:

##### A. Inspection:

1. Prior to all work of this section, carefully inspect installed work of other trades and verify that such work is complete to the point where installation of ROD Suspension System may properly commence.
2. Verify that the ROD Suspension System may be installed in accordance with project drawings and manufacturer's recommendations.
3. Note number and location of structural elements that may pose special installation problems such as knee braces, cross bracing, ductwork, heater vents, skylights, windows and doors.

#### 3.02 - Roof Insulation:

##### A. General:

1. Install roof insulation in accordance with ROD Suspension System installation instructions.
2. All facing seams shall be sealed by folding over the facing and stapling every 4" to ensure an integral vapor barrier. Any fabrication cuts in facing shall also be stapled.
3. Pull faced insulation tightly and clamp securely at eaves and floor to prevent wrinkles and allow no more than 4" of sag between roller tubes spaced 10' apart.
4. Place back-fill insulation pieces on top of seams between rolls of faced insulation.

#### 3.03 Wall Insulation:

##### A. General:

1. Install wall insulation in accordance with ROD Suspension and Wall Insulation systems installation instructions.
2. All facing seams shall be sealed by folding over the facing and stapling every 4" to ensure an integral vapor barrier. Any fabrication cuts in facing shall be staples.
3. Pull faced insulation tightly and clamp securely at eaves and floor. Screw insulation at girts every 3' with 3 - 1/2" screws and 1 - 1/2" plastic washers.
4. If wall is subject to abuse, install a protective wainscot over, or in place of, insulation boards.
5. Using corner angle, frame in window and door openings. Miter corners of framing.

#### 4.00 Inspection:

A. Upon completion of the installation, visually inspect the work and verify that it has been correctly installed. If knee braces were removed or loosened to facilitate installation make sure these are properly reinstalled.