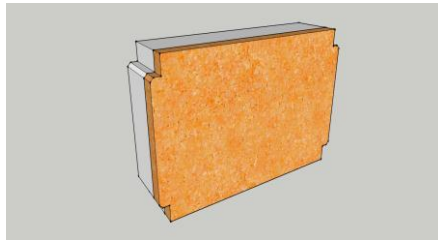


**I CHOICE<sup>®</sup> PRODUCTS**  
**Product Bulletin**



**Insulated Blocking**

US Patent No. 7,827,763

**Description:** A combination of engineered wood and high performance foam insulation materials fabricated into a structural component installed inside the edge profiles of wood I-joists adjacent to the **I CHOICE<sup>®</sup> Rim Board**.

**Dimensions:** **Insulated Blocking (IB)** is available in 9 1/2", 11 7/8", 14" and 16" depths to accommodate 16", 19.2" or 24" OC spacing of wood I-joists with corner cutouts accepting flange widths of 1-3/4" to 2-1/2" and depths of 1-1/8" to 1-1/2".

**Functions:** **Insulated Blocking (IB)** is a multi-functioning component designed to:  
(a) improve precise-fitting floor perimeter insulation without leak-gaps; (b) provide additional vertical load support under bearing walls; (c) increase horizontal load; (d) reduce the need for vertical alignment of studs over I-joists; (e) diminish moisture related problems in floor assembly components from condensation in the crawl space.

**Performance:** **Insulated Blocking**  
The installed R-Value is R-13 (+).

<b><u>I CHOICE<sup>®</sup> Building System</u></b>	<b><u>Product</u></b>
Vertical Load Carrying Capacity	4000 Lbs. per LFT

Note: Consulting engineer must determine total actual combined Load Values when using IB's combined with I CHOICE Rim Board and/or other **I CHOICE<sup>®</sup> Products**. For structural value, the IB must be installed with full bearing on a 2" x 6" or greater plate below.

**Conformance:** **Insulated Blocking** materials components conform to third party testing, grading and certification.

**Attributes:**

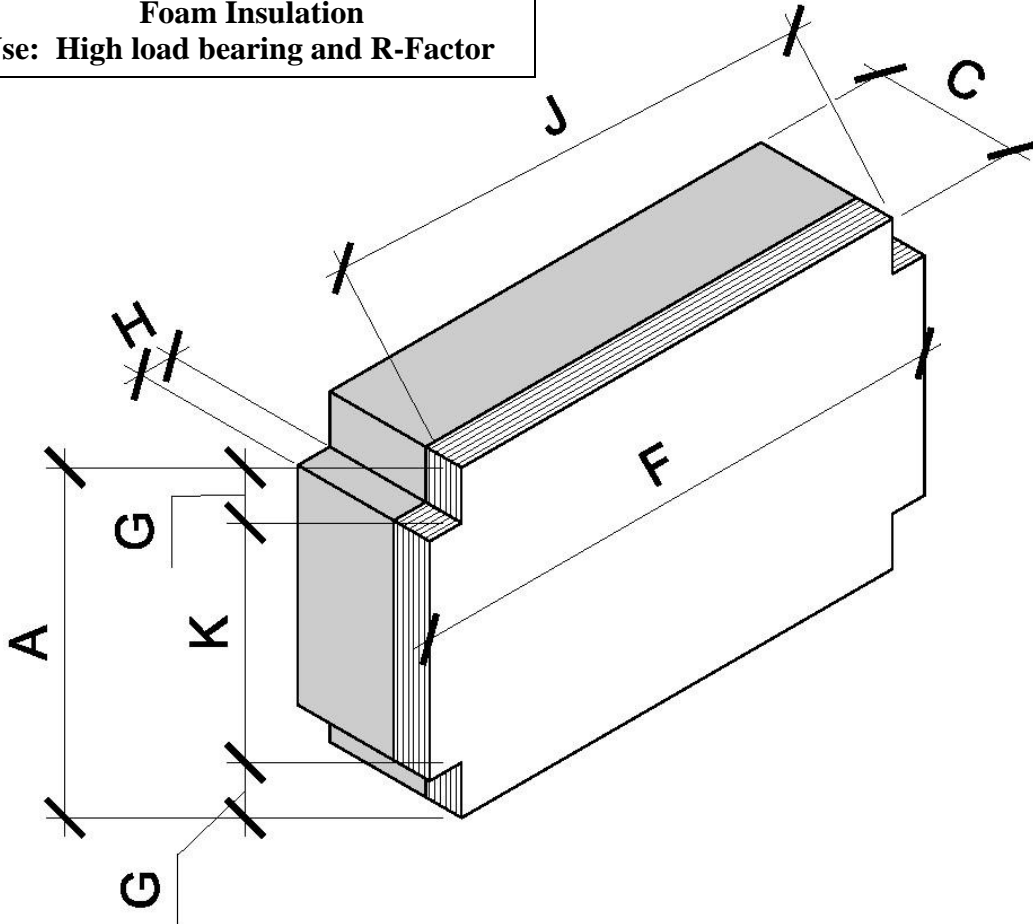
1. Provides quick, efficient and permanent installation of perimeter floor insulation without energy leak-gaps and crawl space entry.
2. Resists wood I-joist rollover during and after installation for additional safety.
3. Continuous loading allows for flexibility in I-joist positioning vs. stud spacing.
4. Resists moisture absorption in insulation and adjoining components.
5. Provides flexible vertical load carrying capacity a may allow additional floor levels.
6. Provides increased stability in seismic and high wind shear areas with potential for additional nailing from floor assembly to plate.

## “Products Providing Distinct Advantage”

### **I CHOICE® Insulated Blocking**

**Materials:** 1-1/8” Rim Board Plus and  
Foam Insulation

**Use:** High load bearing and R-Factor



### **Drawing:**

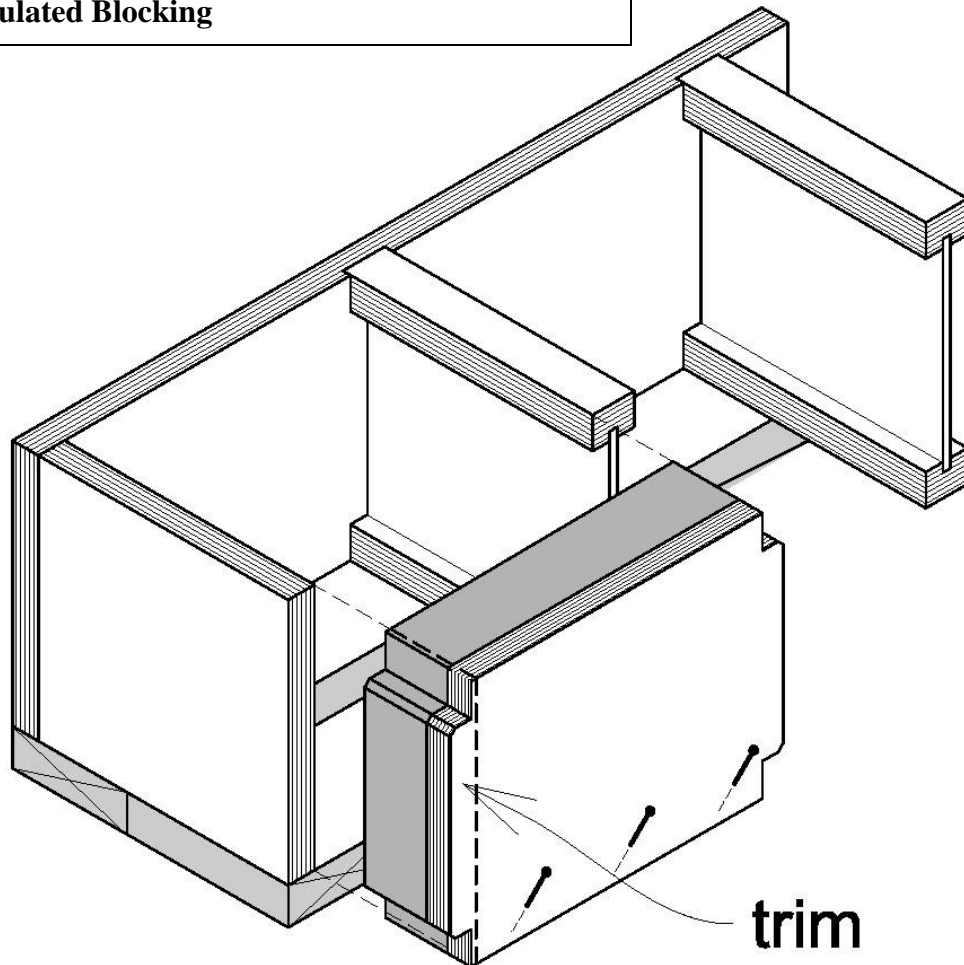
**Insulated Blocking** is designed for use in structures that require extra-ordinary carrying capacity in both vertical and horizontal loads. The load capacity nearly doubles when the **Rim Board** and **Insulated Blocking** are used together. This allows additional levels of all wood construction that must be determined by the architect/engineer for the structures design. Further, the dual use of these same Products allows for 19.2” spacing for the I-joists in the floor assembly without the necessity for direct vertical alignment of the stud spacing over the I-joists.

All of these applications must meet the local building codes and receive approval from the appropriate engineering.

**I CHOICE® Products Shown:**

**Rim Board**

**Insulated Blocking**



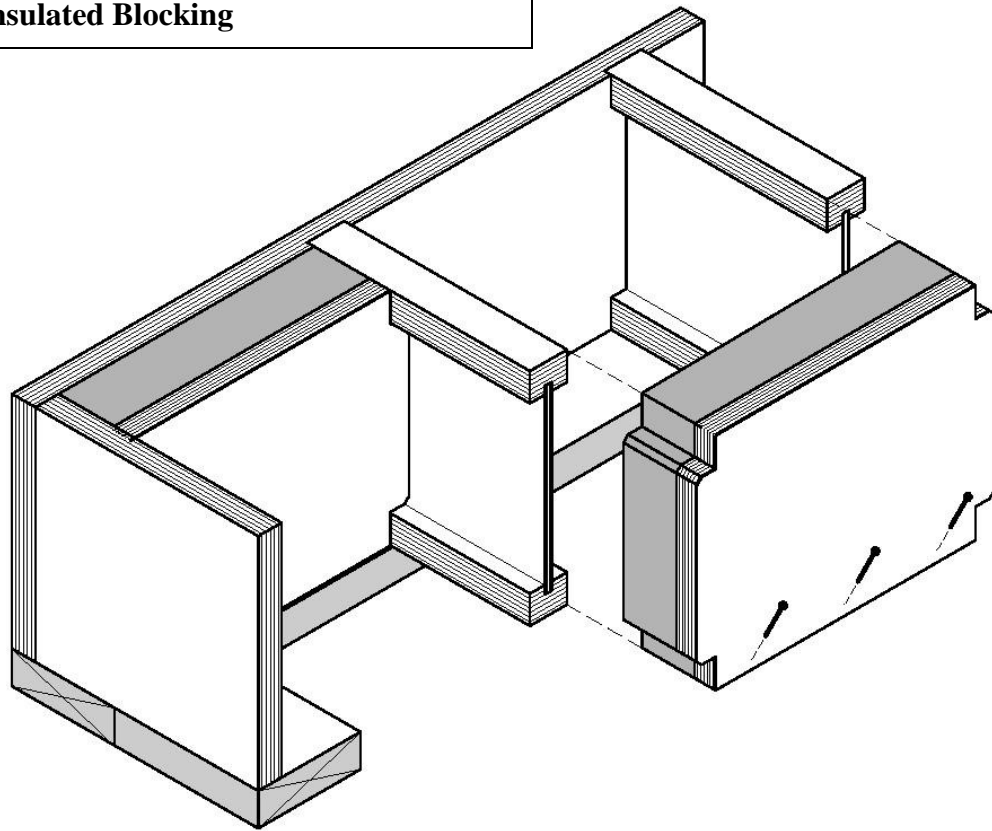
**Drawing:**

The above drawing shows the first panel being trimmed to fit between the horizontal rim board and the first I-joist. The installation is done in sequence with the **Rim Board** and wood I-joist. This easy process eliminates crawl space installation of blanket insulation products for installation in the perimeter floor assembly.

**I CHOICE**<sup>®</sup> Products Shown:

Rim Board

Insulated Blocking



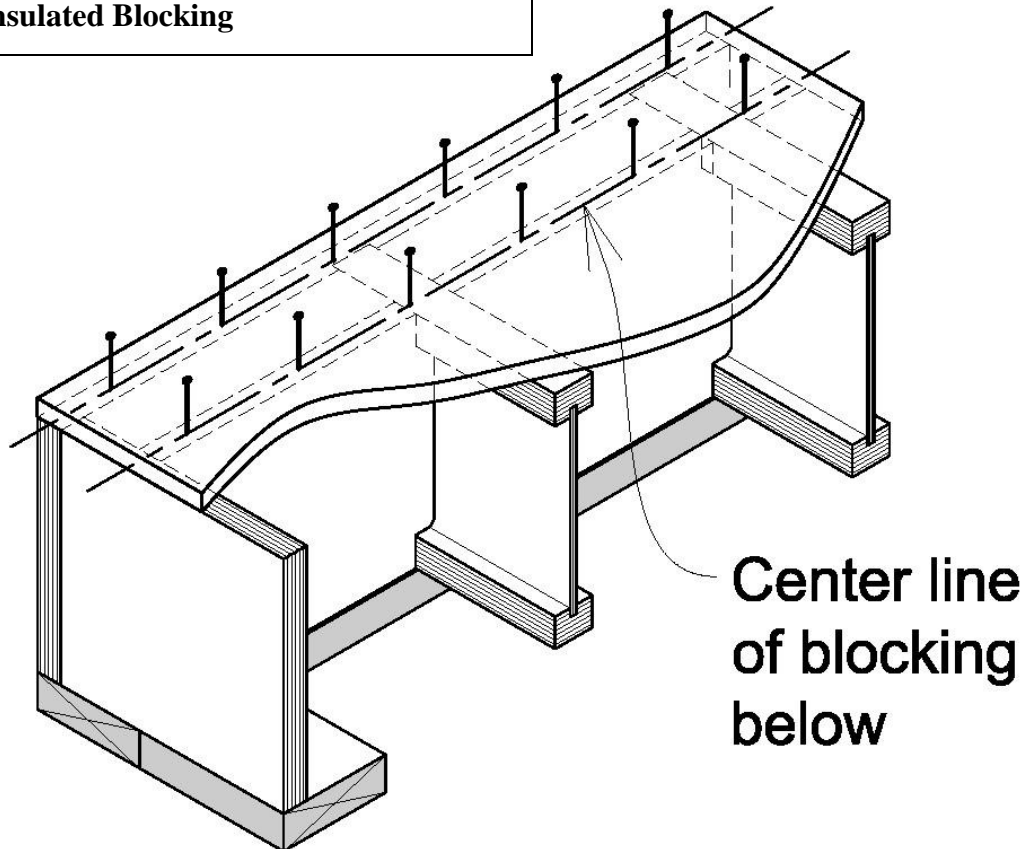
**Drawing;**

The drawing shows the first full **Insulated Blocking** being installed.

**I CHOICE® Products Shown:**

**Rim Board**

**Insulated Blocking**



**Drawing:**

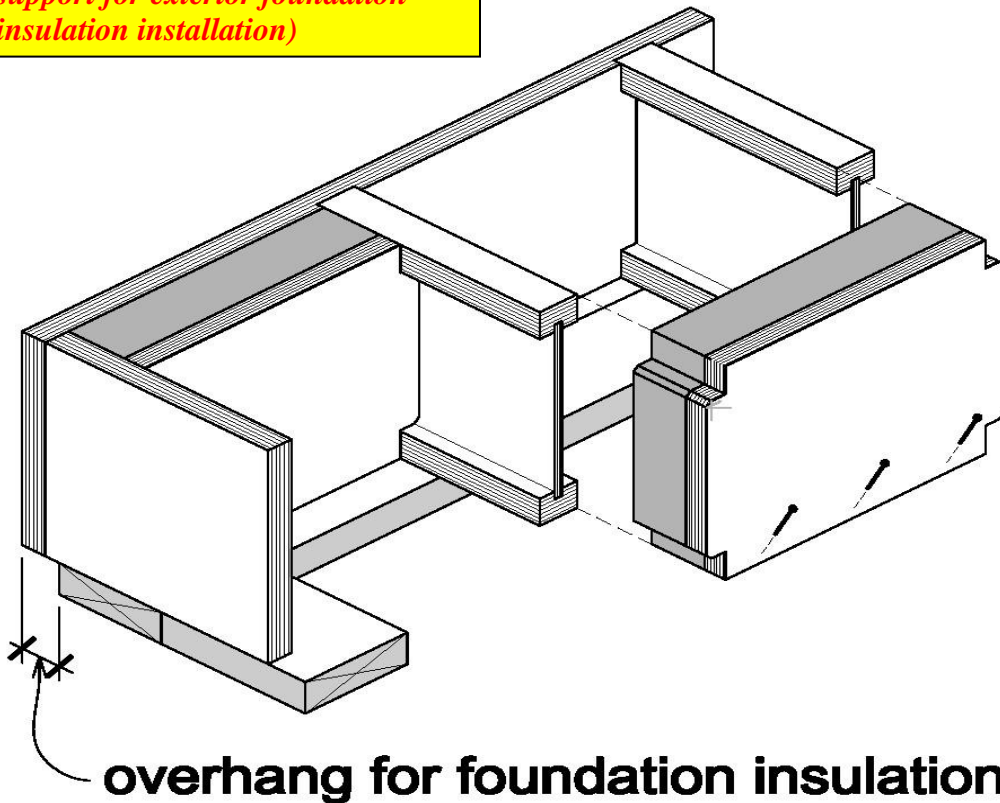
The above drawing shows the installation of the **Insulated Blocking** between the wood I-joists. Also, note the nailing of the floor sheathing to both the **Rim Board** and the **Insulated Blocking**. This installation represents a great improvement in vertical load carrying capacity for the floor assembly. In essence, you nearly double the load capacity with the dual **Rim Board** and **Insulated Blocking System**. This can translate into additional floor levels of all wood construction. Also, this system simplifies the use of 19.2" spacing which can save one I-joist every eight feet of perimeter when compared to previous use of 24" OC spacing.

**I CHOICE® Products Shown**

Rim board  
Insulated Blocking

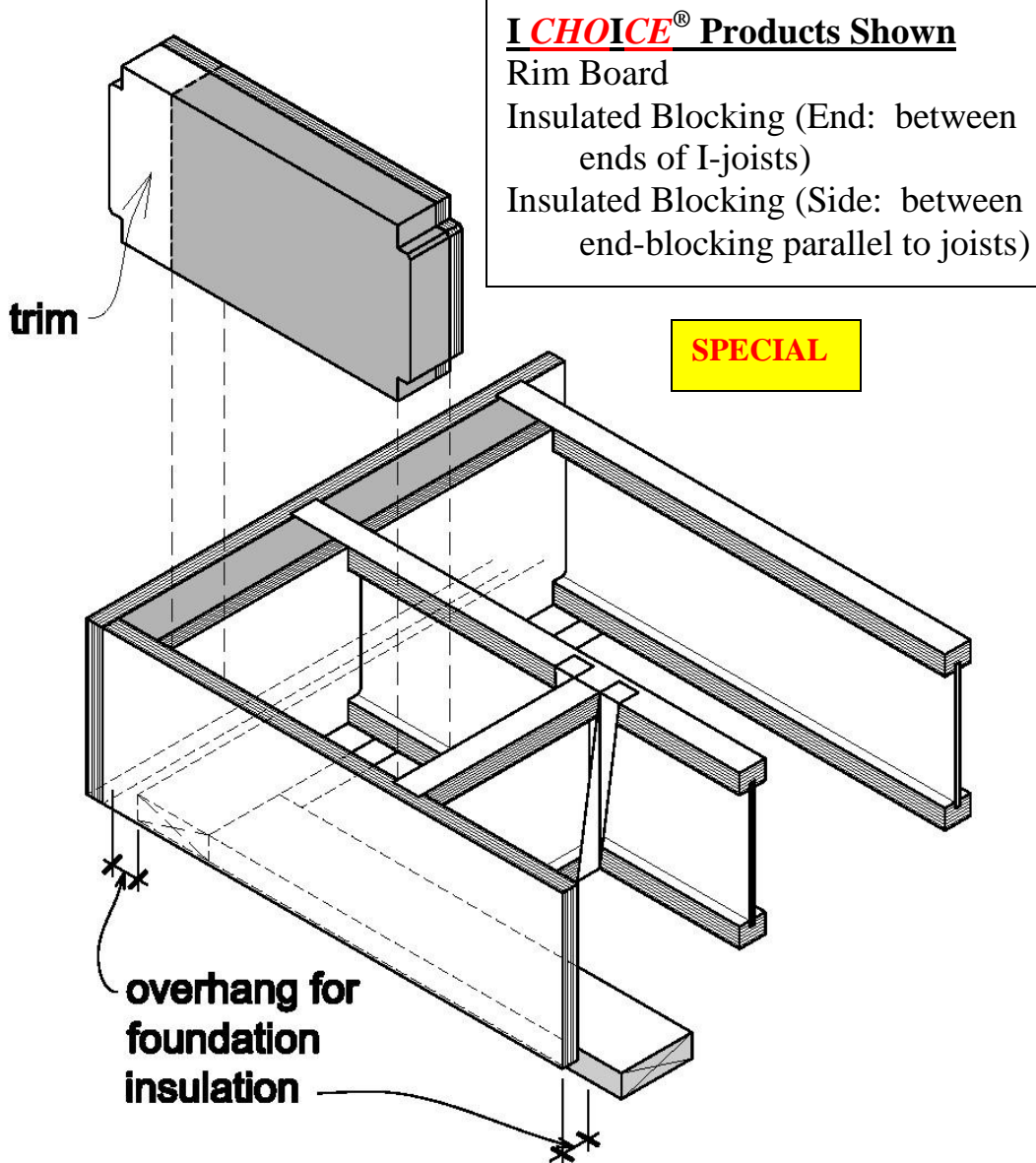
**SPECIAL:**

Cantilevered Floor Assembly  
*(Provides space and vertical load support for exterior foundation insulation installation)*



**Drawing:**

This illustration provides a solution for projects with basements that require exterior foam insulation. The **Rim Boards** supports the I-joist ends and holds them vertical and in position. The **Insulated Blocking** provides the vertical load support and high R-Values.



**DRAWING**

The installation of the **Insulated Blocking (Side)** completes the floor assembly. The Panels can be attached to a Blocking Panel or I-joist with appropriate trim-to-fit. The next procedure would be to install the floor sheathing and double nail the dual “rim boards” per earlier instructions.

Vertical load support is on the **Insulated Blocking**, which rests near center of the plate. Note: End Blocking between the parallel **Rim Board** and I-joist can be the I-joist and hanger, or a trim-to-fit **Blocking Panel** .