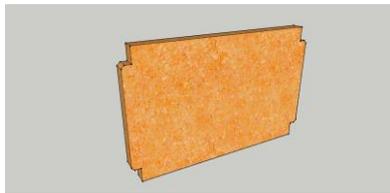


I CHOICE[®] PRODUCTS
Product Bulletin

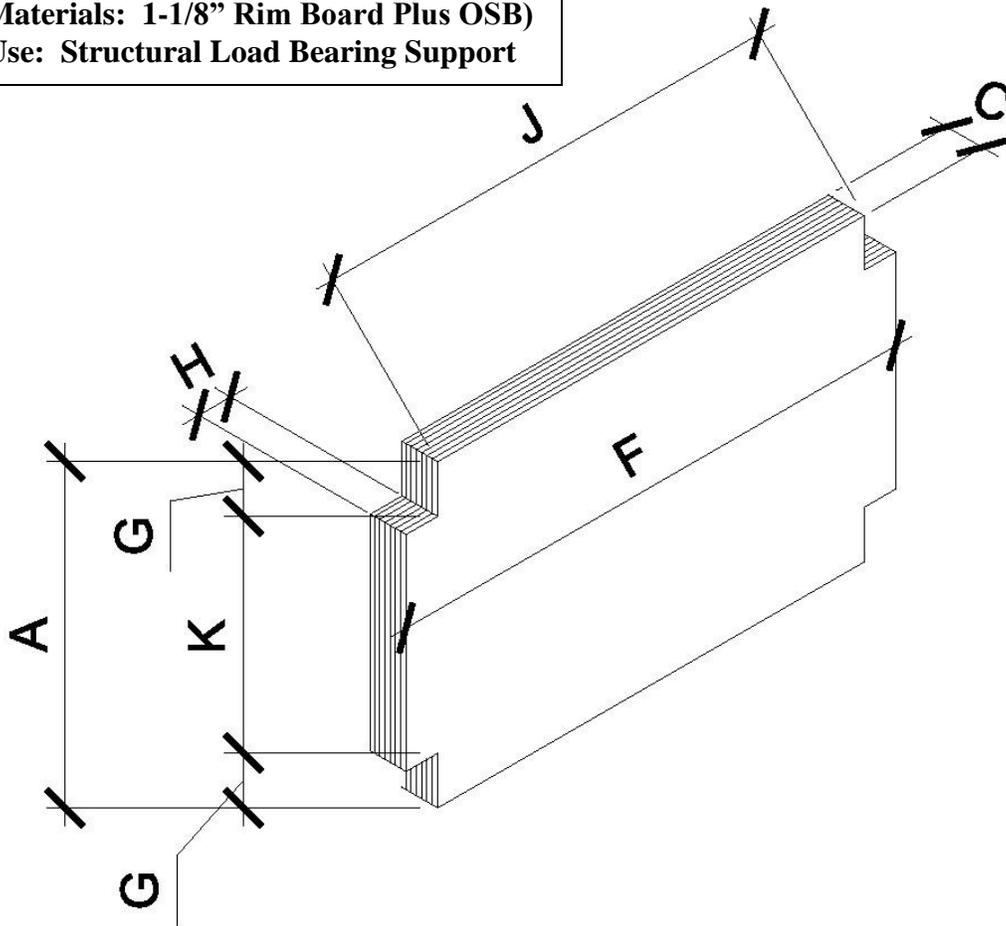


Blocking Panel
US Patent No. 7,827,763

- Description:** An engineered wood component fabricated for convenient, quick and easy installation as a structural blocking panel between wood I-joists. The **Blocking Panel (BP)** ends are shaped to conform to the side profiles of a specific I-joist. The BP is offered in select pre-cut sizes to maintain appropriate on-center spacing and depths.
- Dimensions:** **Blocking Panels (BP)** are available in 9 1/2", 11 7/8", 14" and 16" depths with widths to accommodate 16", 19.2" and 24" OC spacing of wood I-joists, with corner cutouts accommodating flange widths from 1-3/4" to 2-1/2" and flange depths from 1-1/8" to 1-1/2".
- Functions:** The **I CHOICE Blocking Panel** is a multi-function structural component that is ready-to-use between specific wood I-joists to; (a) prevent wood I-joist twisting and roll-over in cantilevered floor systems; (b) provide structural support under bearing walls and other vertical loads; (c) restrict/control air flow in floor and rafter cavities; (d) use as structural "freeze-board" blocking; (e) trim as required and use as end-blocking perpendicular to the I-joists; and (f) function as an insulation baffle.
- Performance:** The load carrying capacity of the Blocking Panel is 4,000 PLF based on full bearing of the contact surfaces along the top and bottom edges of a 2" x 6" or greater foundation plate, with continuous bearing between I-joists spaced at 16", 19.2" or 24" OC.
- Conformance:** All Blocking Panels (BP) are fabricated from conventional 1-1/8" OSB rim board plus or conventional OSB panel stock from manufacturers who use third party agencies to grade, stamp and certify quality to conform to industry standards.
- System Test:** The use of one or more of the BP's, when used in tandem, to achieve a specific targeted load carrying capacity, should be done by an engineer to determine conformance to design limits of a specific structure.
- Attributes:**
1. Provides multi-purpose structural blocking for floors and roofs.
 2. Web nailing preserves I-joist flange integrity.
 3. Resists I-joist rollover and twisting during and after installation for additional safety.
 4. Maintains modular spacing and vertical alignment of I-joists for proper installation.
 5. Provides potential control of airflow in I-joist and rafter cavities.
 6. Offers additional structural vertical and horizontal load capacity.
 7. Provides potential end-blocking perpendicular to I-joist.

“Products Providing Distinct Advantage”

I CHOICE[®] Blocking Panel:
Materials: 1-1/8" Rim Board Plus OSB)
Use: Structural Load Bearing Support



Drawing:

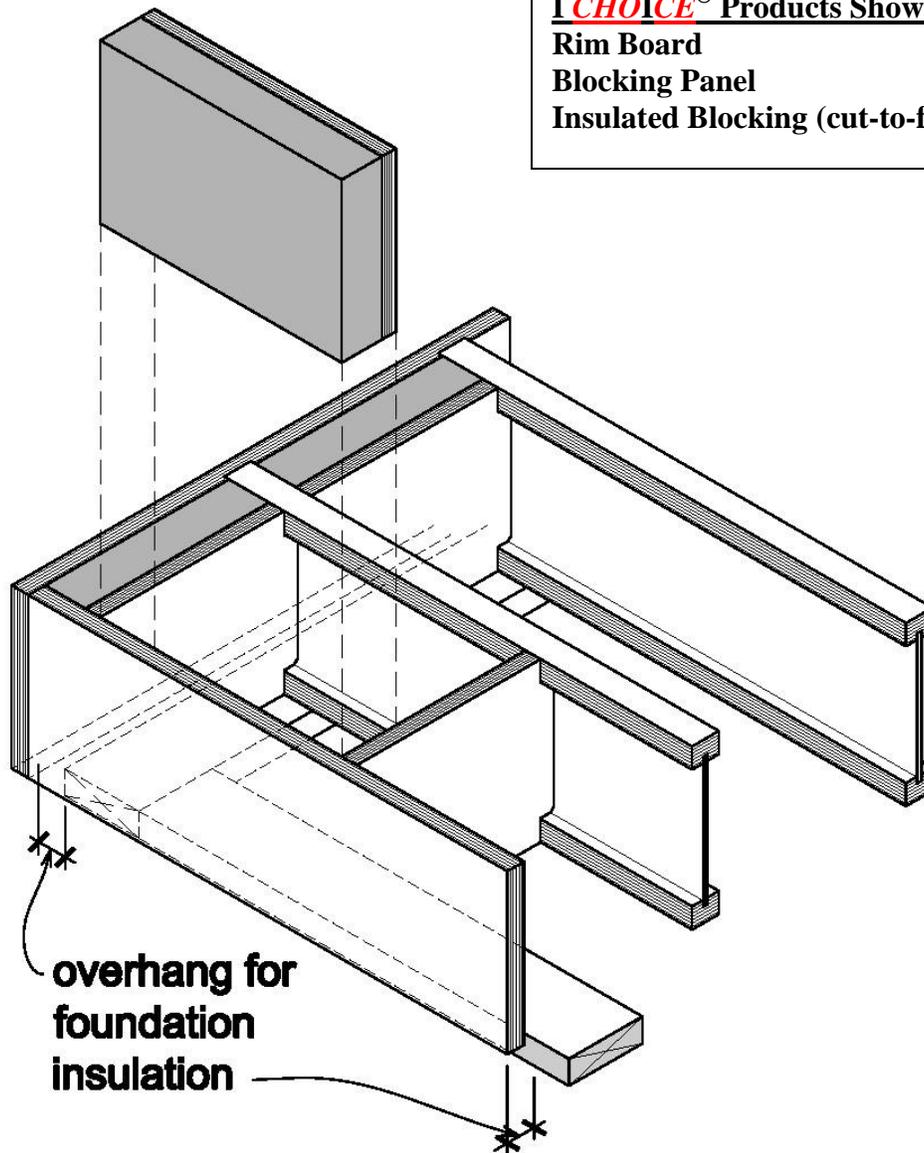
Blocking Panels, a multi-purpose panel, that can be used individually and/or in conjunction with other materials to provide assorted functions in typical construction. Some of the functions range from improved load bearing, vertical or horizontal; assist in air or draft control in roof/ceiling installations; provide support connections between wood I-joists and perimeter rim boards; and additional support in a multitude of building needs.

I CHOICE® Products Shown:

Rim Board

Blocking Panel

Insulated Blocking (cut-to-fit)



Drawing:

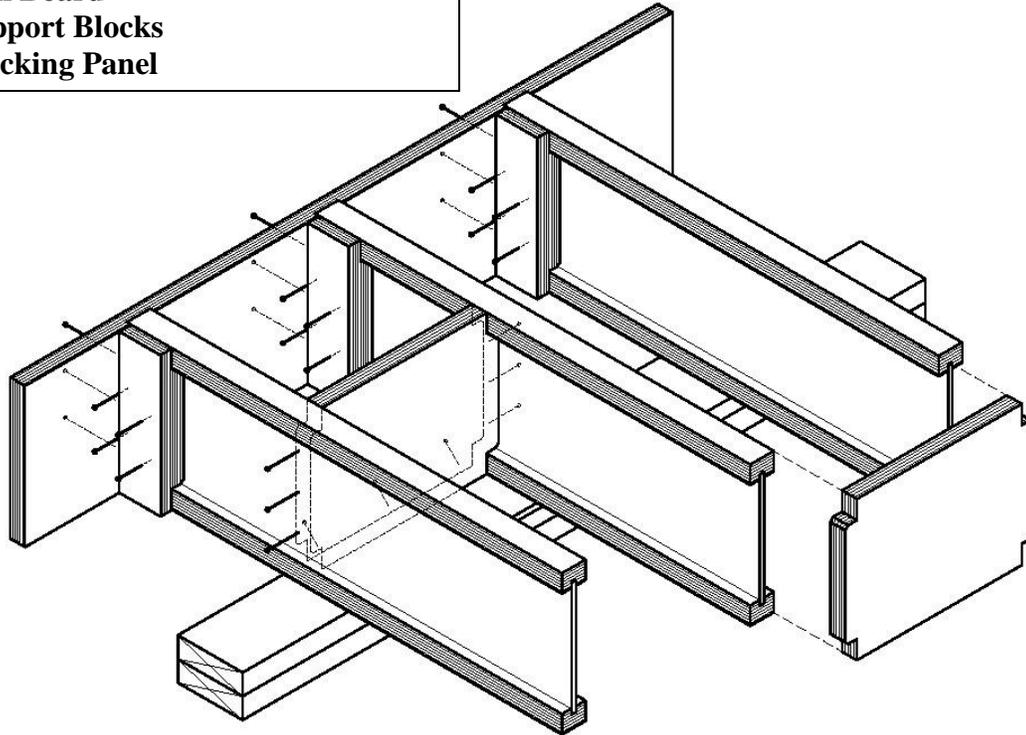
Shows the use of a Standard **Blocking Panel** on a basement foundation that requires a 2" cantilever of the floor assembly to provide space, strength and attachment for foam insulation on the exterior of the concrete foundation. Note the **Insulated Blocking**, when positioned adjacent to the **Rim Board** between the wood I-joists, provides direct load bearing under the wall and the **Rim Board** is used to stabilize the I-joist ends and provides sheathing/siding nailing.

I CHOICE[®] PRODUCTS SHOWN

Rim Board

Support Blocks

Blocking Panel



Drawing:

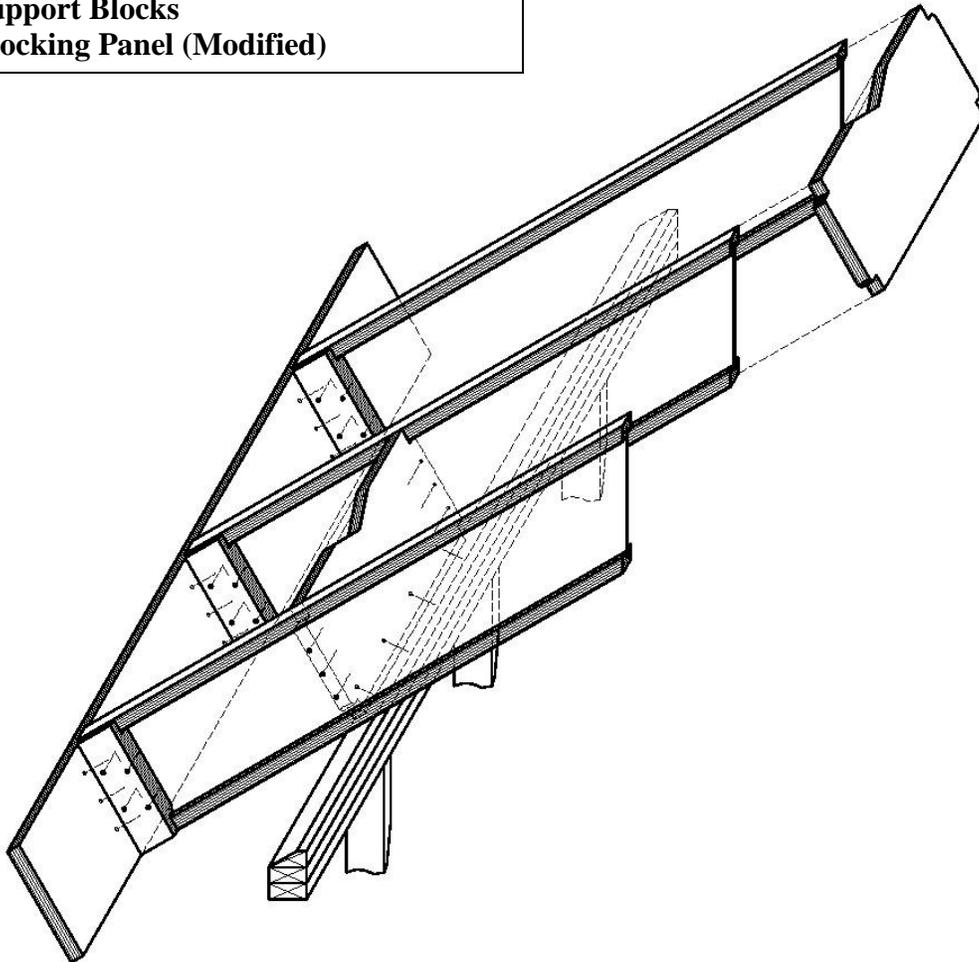
This shows a typical cantilever using the **Rim Board** and single **Support Blocks** to attach and stabilize the I-joist ends and the **Blocking Panel** for load bearing between the I-joists. **Insulated Blocking** may be substituted for the **Blocking Panel** to provide both insulation and load bearing capacity.

I CHOICE® Products Shown:

Rim Board

Support Blocks

Blocking Panel (Modified)



Drawing:

Reflects a typical roof/rafter/fascia building scenario for commercial and/or high load conditions. The **Rim Board** becomes the fascia utilizing a single **Support Block** on each I-joist for use as an attachment (nailing) platform. The example shown, shows the **Blocking Panel** with air flow vents that are determined by the engineer and cut-on-site. The **Blocking Panel** represents, not only additional loading capacity for the roof structure but uniform spacing and rigidity for the I-joists.