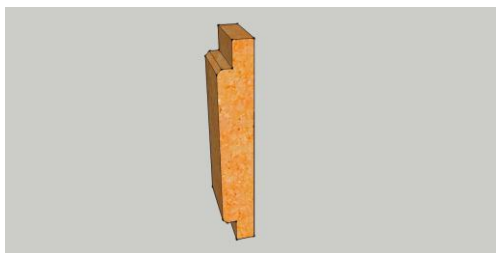


I CHOICE[®] PRODUCTS Product Bulletin



Support Block

US Patent No. 7,124,544 Canadian Patent No. 2,420,508

Description: Pre-fabricated, machined structural block designed to conform to the side profile of a specific wood I-joist for use as a multi-purpose, functional, engineered and rated building component.

Dimensions: **Support Blocks (SB)** are available in 9-1/2", 11-7/8", 14" and 16" depths, and designed to accept various flange widths of wood I-joists ranging from 1-3/4" to 2-1/2". Materials used in manufacturing can be OSB and/or LVL.

Size and Load:	<u>I-joist Flange Width*</u>	<u>1-3/4"</u>	<u>2" to 2-1/2"</u>
	Load Bearing Size/Each	3-1/2" x 1"	3-1/2" x 1-1/8"
	Area-Square Inches/Each	3.500	3.930
	Area-Square Inches/Pair	7.000	7.860
	Load Capacity/PSI ¹	360	360
	Capacity/Each	1260	1418
	Capacity/Pair	2520	2835

*3-1/2" wide Support Blocks

¹Limited by Plate/Sheathing compression

Conformance: All **Support Blocks** conform to the minimum standard of OSB Rim Board Plus and/or LVL for vertical Loading.

System Test: Specific tests for the minimum standard can be supplied by the materials manufacturer upon request.

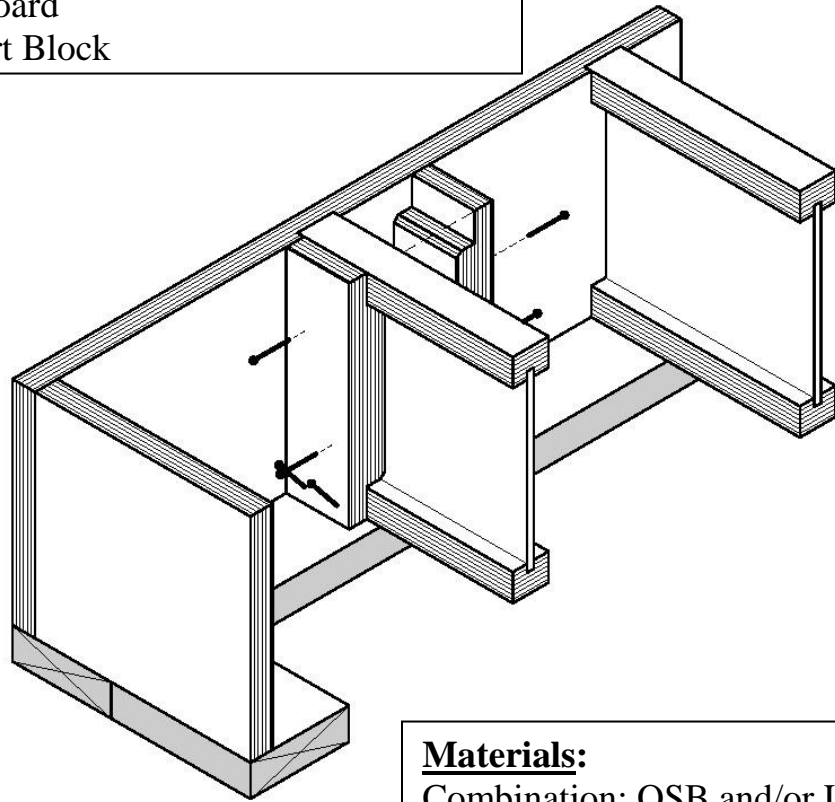
- Attributes:**
1. Increases the point vertical load carrying capacity of the building assembly.
 2. Paired installation exceeds "Squash Block" load carrying capacity of 2 x 4'.
 3. Maintains integrity of I-joist flanges with all Web nailing.
 4. A nailing platform for attaching Rim Board to I-joist...rafters and cantilevers floors.
 5. Assists as a Web-Stiffener.
 6. For use as a nailing platform on the ends of I-joists for the attachment of sub-fascia.
 7. Accurate dimensions provide precise fit to reduce "Red Tags".
 8. Improved installation assures engineering performance of the floor assembly.
 9. Brand recognition onsite creates higher assurance of code compliance.

"Products Providing Distinct Advantage"

I CHOICE® Products Shown

Rim Board

Support Block



Materials:

Combination: OSB and/or LVL

INSTALLATION INFORMATION:

Point 1: Support Blocks, when used for structural enhancement are used in pairs, with installation of one on each side of the wood I-joist, in most all functions.

Step 2. In most all instances, the nailing connections of **Support Blocks** are made through the Web preserving the integrity of the I-joist flange.

Step 3. Note that additional nailing can be made through the base of the **Support Block** into the plate without interference with the I-joists flange.

Step 4. Support Blocks may be used under “point or continuous” loading conditions depending on engineering design.

Note: Other Product Bulletins describe multiple uses of Product.

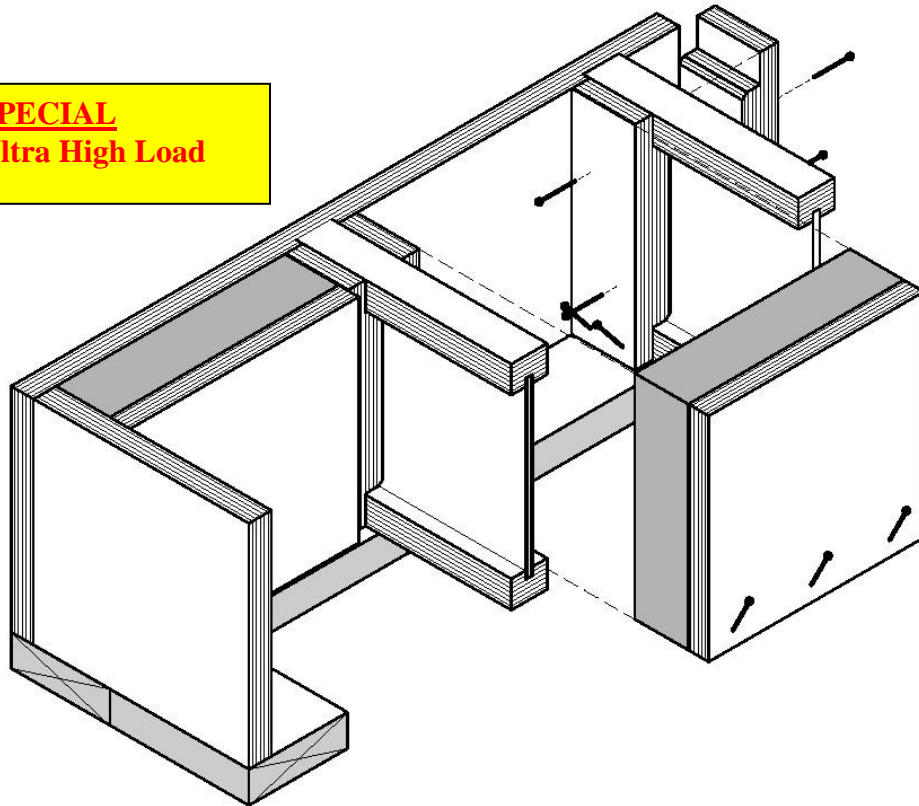
I CHOICE® Products Shown

Rim Board

Support Block

Blocking Insulation (cut-to-fit on-site)

SPECIAL
Ultra High Load



INSTALLATION INFORMATION

Background: Support Blocks can be used with Blocking Insulation panels cut-to-fit to add additional vertical and horizontal load carrying capacity for the structure.

Step 1. The first panel must be trimmed-to-size to fit between the lateral Rim board and the first I-joist.

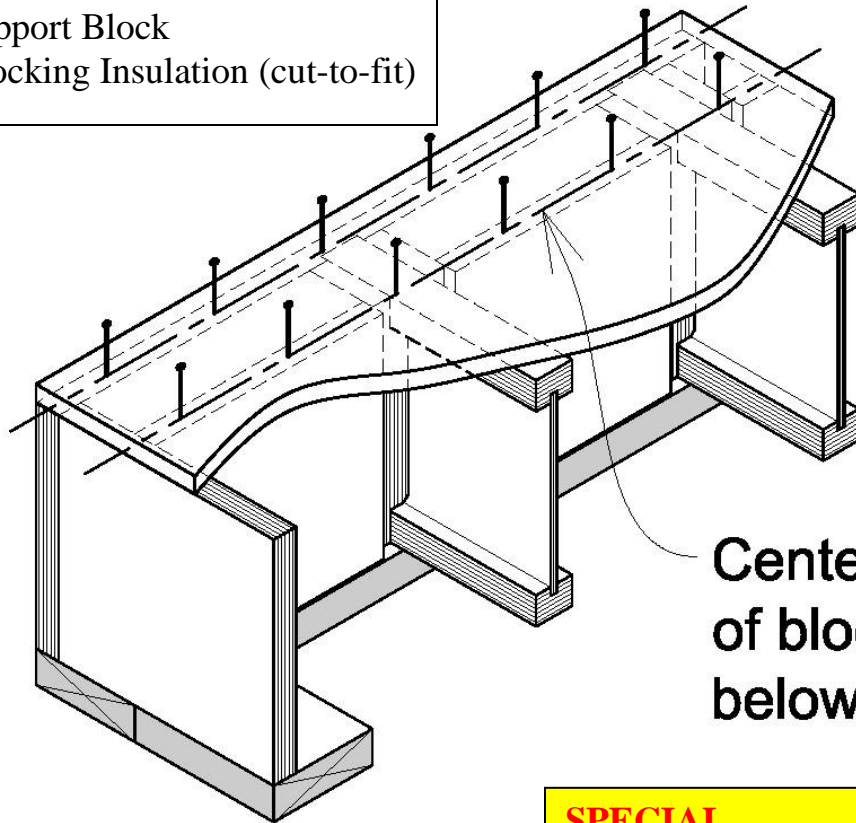
Step 2. Determine lengths for Blocking Insulation panels to fit appropriately between Support Blocks with modularity.

I CHOICE Products Shown

Rim Board

Support Block

Blocking Insulation (cut-to-fit)



Center line
of blocking
below

SPECIAL
Ultra High Load

Standard

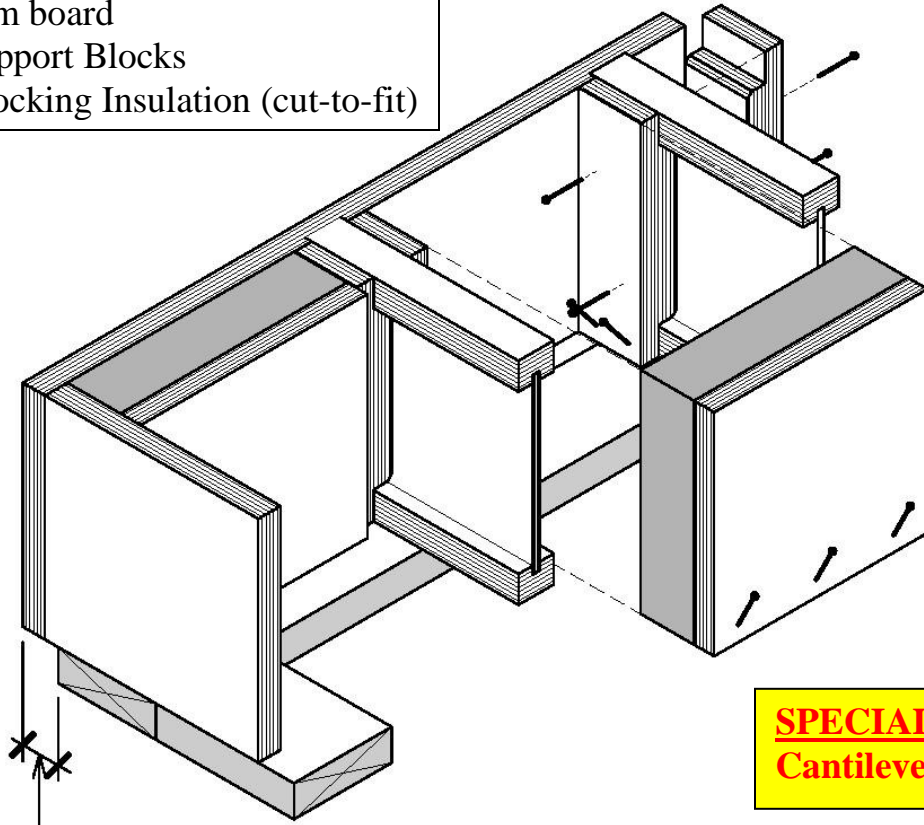
Drawing

After **Support Blocks** and **Blocking Insulation** panels are in position the assembly is ready to receive the floor sheathing. Note the nailing pattern for both the **Rim Board** and the **Blocking Insulation** is identical for both Products.

The vertical load calculation can be achieved by consolidating the **Rim Board**, **Support Block** and **Blocking Insulation** panel.

I CHOICE® Products Shown

Rim board
Support Blocks
Blocking Insulation (cut-to-fit)



**SPECIAL
Cantilever**

overhang for foundation insulation

DRAWING

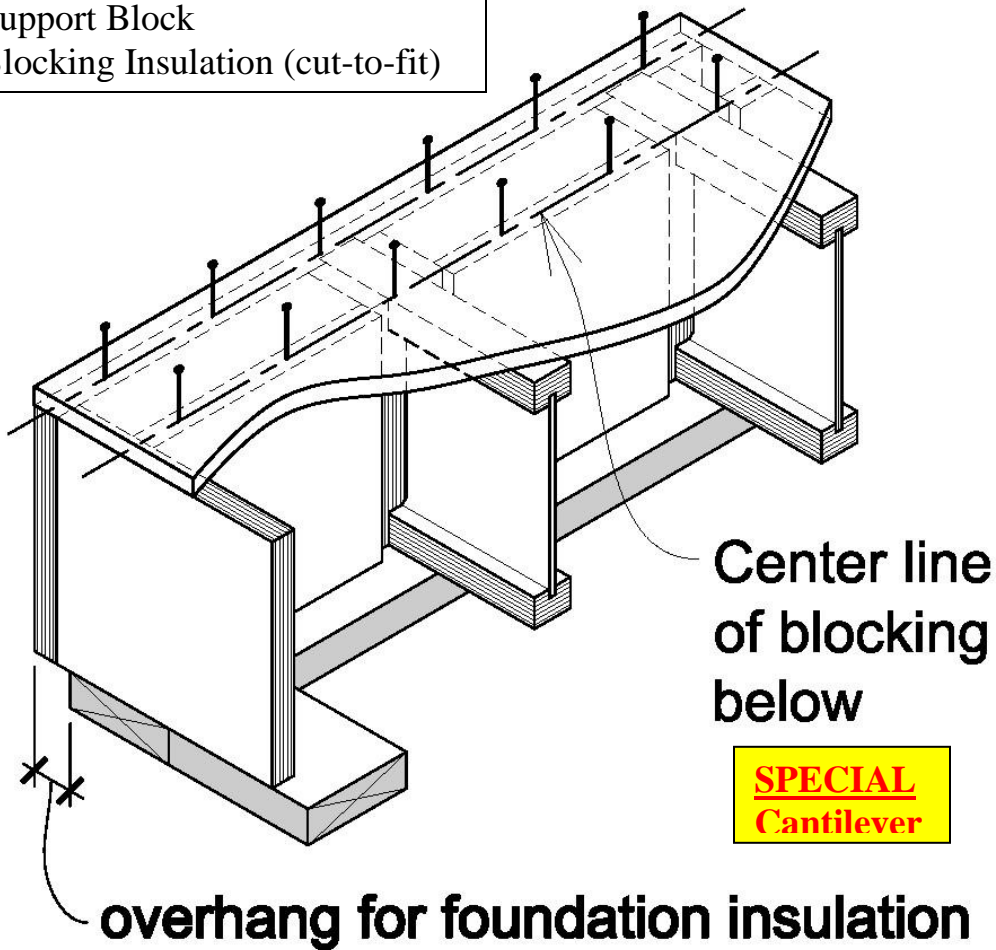
The installation for the cantilevered application is identical to the Standard, except for the overhang to allow for the thickness of the foam insulation that will be bonded to the exterior of the concrete foundation. A typical over-hang i.e. thickness of the foam insulation is 2”.

I CHOICE® Products Shown

Rim Board

Support Block

Blocking Insulation (cut-to-fit)



DRAWING

The nailing pattern for installation of the floor sheathing for the Cantilever is identical to the Standard, previously shown.