



# Joto-Vent System<sup>®</sup>

## Continuous Perimeter Foundation Vents

Installed in  
5 million homes

AIA  
Continuing  
Education  
Provider

ICC  
ESR-4161  
ESL-1274



Architectural  
Covering

Joto-Vent



# Maintain the life of your home with the Joto-Vent System®

The Joto-Vent perimeter venting system and its covering offer an efficient and low-profile ventilation solution for your crawl space.



## Get a Finished, Clean Architectural Look

The 2 part Joto-Vent System® includes the vent portion and the custom coverings that are installed over the vent, resulting in a clean visual look.



## Support Natural Air Flow & Ventilation

Installed around the complete perimeter of the crawl space foundation, the Joto-Vent System® maximizes cross ventilation and natural air flow, preserving the lifespan of your home's wooden frame.



## Maintain Your Home's Structural Integrity

The Joto-Vent System® eliminates the need for vent holes installed in the concrete foundation or cut into the structural framework of the rim joist maximizing the strength & performance of your home's structure.



Stanwood, WA

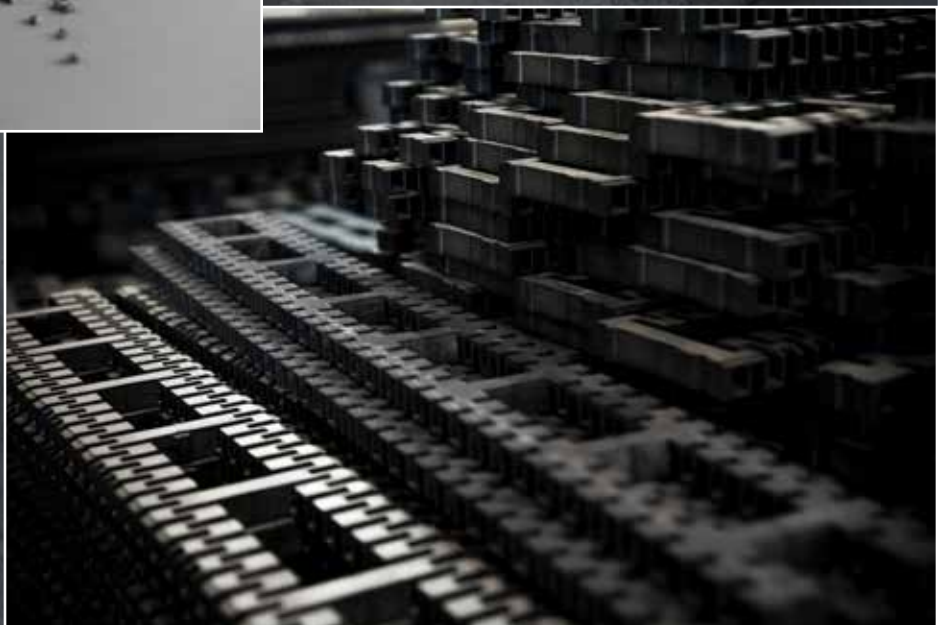
Joto-Vent System



The Joto-Vent is made of "JC (Joto-Compound)", a composite material that consists of calcium carbonate, polyolefin resin and recycled plastics.

JC was awarded manufacturing patents in the United States and several European countries as a recycled resin heat treatment system called "Joto-process".

Joto-Vent has an ultimate compression strength of over 56,000 pounds per lineal foot of Joto-Vent, and when you apply ICC-ES you can safely support 7,140 pounds per lineal foot of Joto-Vent. Wherever you trust a wooden sill plate, you can trust The Joto-Vent System.



# The Joto-Vent System®

**Crawl Space**

## Architectural Covering

ESR-4161  
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The Joto-Vent Architectural Covering component is a molded galvanized steel plate conforming to ASTM A792 (JIS G3322). It acts as the cover for the Joto-Vent and the seat for the exterior wall sheathing. Pre-attached double-sided tape affixes the lower end of the exterior wall paper wrap.



Available in black and white

## Joto-Vent

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The primary component of the Joto-Vent System is a molded calcium carbonate and polyolefin resin composite (JC). The Joto-Vent is placed between the concrete foundation wall (2 x 6 or 2 x 8) and the wooden sill plate to provide natural airflow around and through the entire perimeter of the home's crawl space. The ventilation opening area is 4.81 in<sup>2</sup>/ft (102 cm<sup>2</sup>/m).





## Slab (Garage)



### (Optional) **Reinforcement-block**

ESR-4161  
ESL-1274

The primary use is to provide more reinforcement against the compression point at the foundation where a heavy vertical load from a post is applied. Consult with a structural engineer for advice on how best to use the block.

### (Optional) **Airtight Joto-Vent** For Garage / Entry / Slab-on-grade

ESR-4161  
ESL-1274

The KPK-N140U Airtight Joto-Vent is our improved design of the Joto-Vent Air-blocking. It is used to create an air barrier between the garage and crawlspace and also can be used for slab on grade and entry areas.

Use of the Airtight Joto-Vent allows for continuous use of the Joto-Vent and consistent height around the entire perimeter of the foundation when used with the Joto-Vent. EPDM Foam strips and connectors on each end have been added to create an even tighter seal.



**AIA**  
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**Provider**

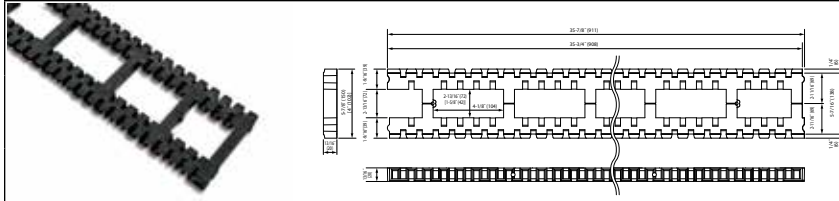
ICC  
**ES** ESR-4161  
ESL-1274



## Joto-Vent (Net-Free Ventilation Area (NFVA): 4.81 in<sup>2</sup>/ft)

### KP-L150U

ESR-4161  
ESL-1274



<b>Product no.</b>	<b>KP-L150U</b>
<b>Sill plate</b>	2 x 6, 2 x 8
<b>Color/pattern</b>	Black
<b>Dimensions</b>	6" x 3' x 3/4" (150 x 908 x 20mm)
<b>Material</b>	JC
<b>Package</b>	20 pieces/box

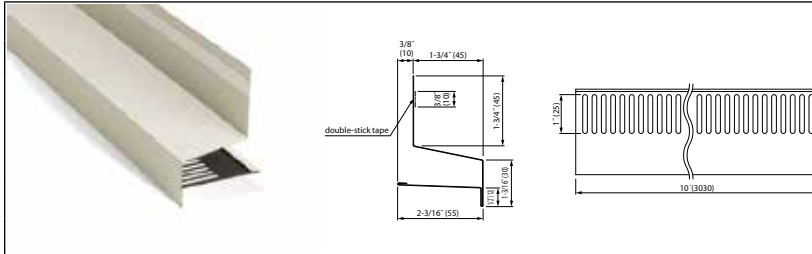
#### TECHNICAL SPECIFICATION

- **Ultimate compression load for Joto-Vent KP-L150U:**  
Approx. 168000 lb/piece (56000 plf\*)
- **ICC-ES approved maximum allowable compression load for Joto-Vent KP-L150U:**  
7140 plf\*  
\*plf = pounds per linear foot
- See our ICC-ES reports for details.

## Architectural-covering

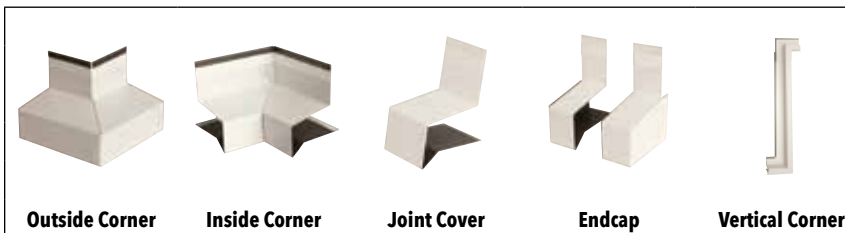
### WACF-U45 (Net-Free Ventilation Area (NFVA): 5.73 in<sup>2</sup>/ft (121 cm<sup>2</sup>/m))

ESR-4161  
ESL-1274



<b>Product no.</b>	<b>WACF-U45-WT/BK</b>
<b>Dimensions</b>	1-3/4" x 10' (45 x 3030mm)
<b>Color</b>	White/Black
<b>Material</b>	28-gauge galvanized steel (colored galvalume)
<b>Package</b>	10 pieces/box
<b>Min ventilation opening</b>	1/8 inch

## Accessories



Outside Corner

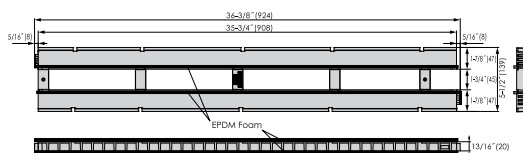
Inside Corner

Joint Cover

Endcap

Vertical Corner

	Product No	Package
<b>Outside corner</b>	WACF-U45CO-WT/BK	5 pieces/box
<b>Inside corner</b>	WACF-U45CI-WT/BK	5 pieces/box
<b>Joint cover</b>	WACF-U45JC-WT/BK	20 pieces/box
<b>Endcap</b>	WACF-U45EC-WT/BK	5 sets/box
<b>Vertical corner</b>	<b>Right</b>	WACF-U45VCR-WT/BK 10 sets/box
	<b>Left</b>	WACF-U45VCL-WT/BK 10 sets/box

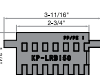
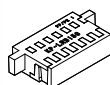


## TECHNICAL SPECIFICATION

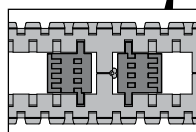
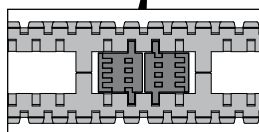
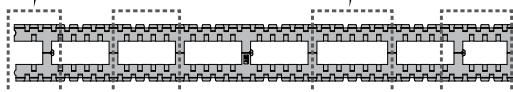
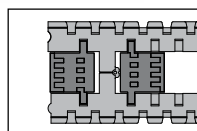
- **Ultimate compression load for Airtight KPK-N140U:**  
Approx. 69060 plf\*
  - **ICC-ES approved maximum allowed compression load for Airtight KPK-N140U:** 8703 plf\*
- \*plf = pounds per linear foot
- **See our ICC-ES reports for details**

<b>Product no.</b>	<b>KPK-N140U</b>
<b>Sill plate</b>	2 x 6
<b>Color/pattern</b>	Black
<b>Dimensions</b>	5-1/2" x 3' x 3/4" (140 x 908 x 20mm)
<b>Material</b>	JC, EPDM Foam
<b>Package</b>	16 pieces/box (2 EPDM Foam Pads included)

**KP-LRB150**



Reinforcement-block KP-I RB150



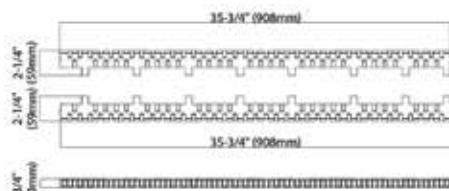
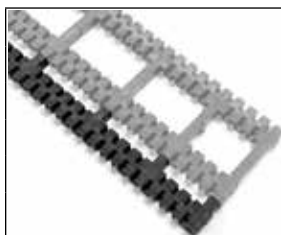
Top side surface area --- KP-LRB150 : 4.96 sq.in (32.0cm<sup>2</sup>) /piece

<b>Product no.</b>	<b>KP-LRB150</b> Designed for use with KP-L150U
<b>Color/pattern</b>	Black
<b>Dimensions</b>	3-11/16" x 1-3/4" x 3/4"
<b>Material</b>	JC
<b>Package</b>	50 pieces/box
<b>Allowable load per block</b>	5,470 lbs*
<b>Installation method</b>	Install the products by placing them into the Joto-Vent (sold separately) that requires compression load reinforcement.

### ◀ Sample layout drawings

*\* Consult with a registered design professional for advice on how best to use the block.*

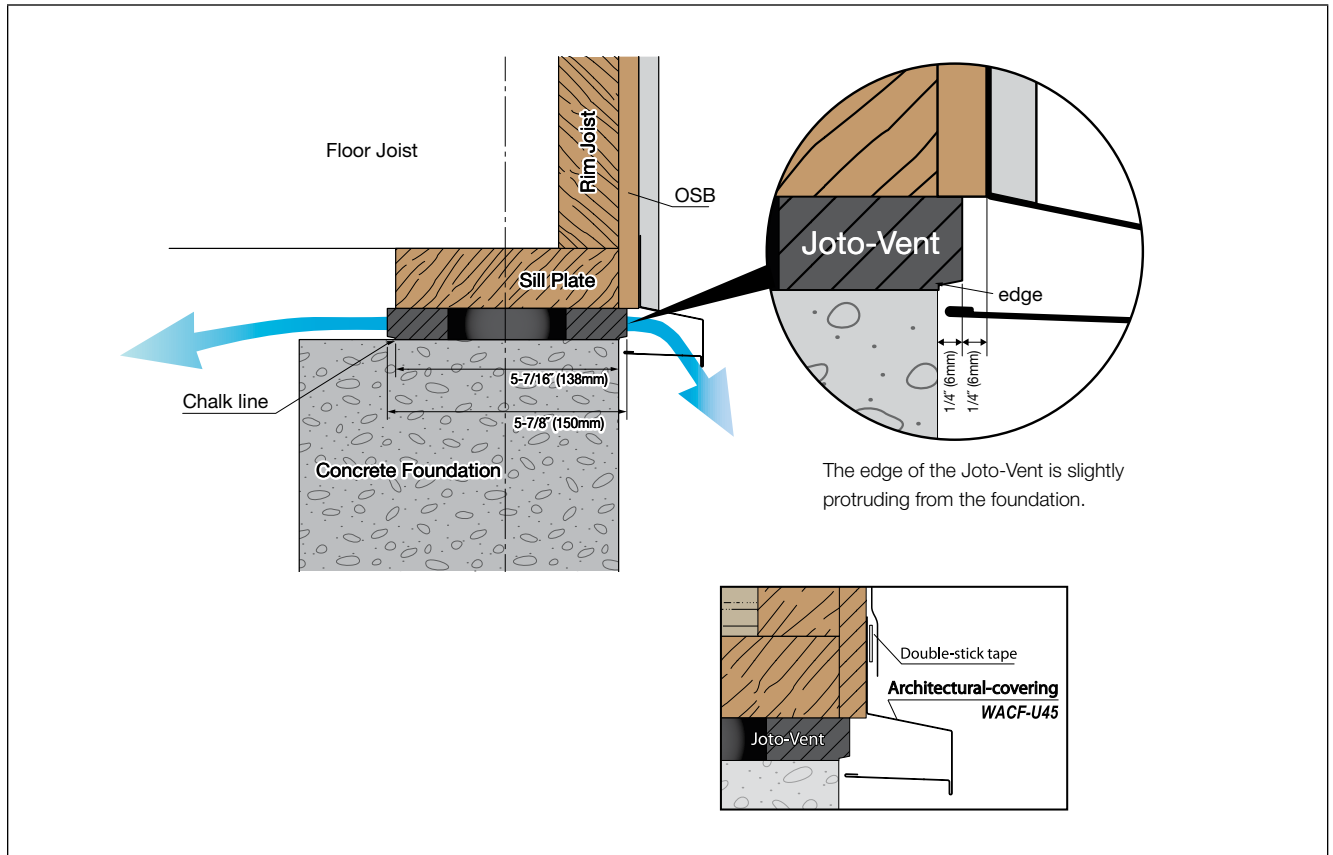
**KP-L60UH**



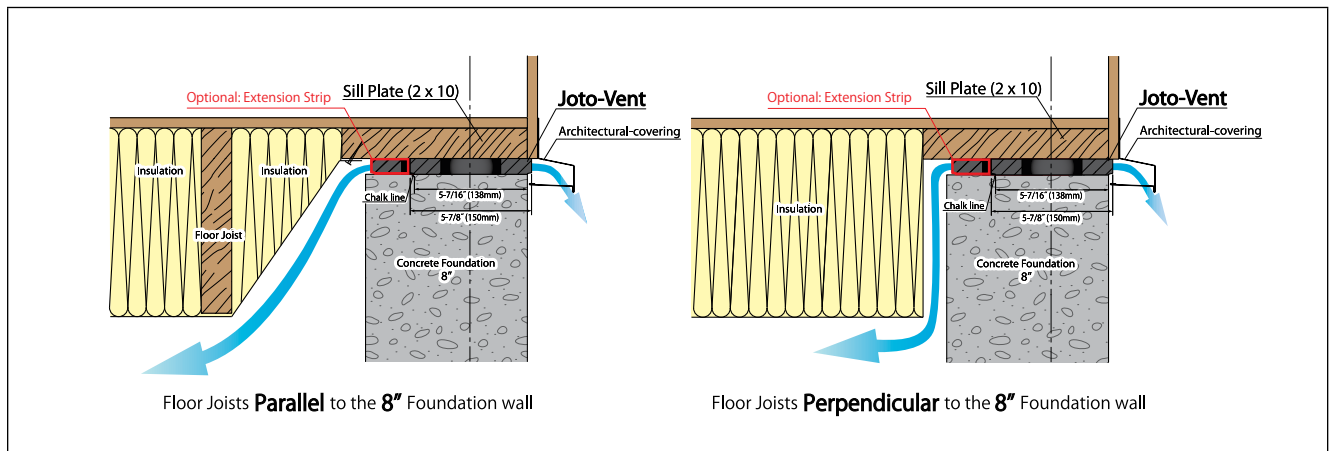
<b>Product no.</b>	<b>KP-L60UH</b>
<b>Color/pattern</b>	Black
<b>Dimensions</b>	2-1/4" x 3' x 3/4" (59 x 908 x 20mm)
<b>Material</b>	JC
<b>Package</b>	20 pieces/box

\*The KP-L60UH Extension Strip is an optional accessory to be used with the KP-L150U to provide additional support on the interior side of 8" foundations using a 2x10 sill plate. This product is not currently certified or meant to be used as a structural member.

# Installation Diagram



## Reference diagrams for dropped floor applications



US SALES OFFICE OF JOTO TECHNO CO., LTD.



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