



Reviewed for Code Compliance  
Permitting and Inspections Department  
Approved with Conditions

JUN 08/28/2018

LORANGER DOOR & WINDOW

February 18, 2015

TO: Roger LeBrun  
Sr. Product Certification Engineer  
VELUX America Inc.  
PO Box 5001  
Greenwood, SC 29648

RE: WDMA Hallmark Certification Program – Emergency Escape and Rescue – Approval No. TP01-021815

This letter is being written to verify the compliance with the building code Emergency Escape and Rescue Egress Openings requirements for some VELUX America, Inc. Products. The 2015 IBC Section 1030.2 and 2015 IRC Code Section R 310.2 state the emergency escape and rescue openings requirements.

#### 2015 IBC – 1030.2

**1030.2 Minimum size.** *Emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet (0.53 m<sup>2</sup>).*

**Exception:** *The minimum net clear opening for grade-floor emergency escape and rescue openings shall be 5 square feet (0.46 m<sup>2</sup>).*

**1030.2.1 Minimum dimensions.** *The minimum net clear opening height dimension shall be 24 inches (610 mm). The minimum net clear opening width dimension shall be 20 inches (508 mm). The net clear opening dimensions shall be the result of normal operation of the opening.*

#### 2015 IRC – R310.2

**R310.2 Emergency escape and rescue openings.** *Emergency escape and rescue openings shall have minimum dimensions as specified in this section.*

**R310.2.1 Minimum opening area.** *Emergency and escape rescue openings shall have a net clear opening of not less than 5.7 square feet (0.530 m<sup>2</sup>). The net clear opening dimensions required by this section shall be obtained by the normal operation of the emergency escape and rescue opening from the inside. The net clear height opening shall be not less than 24 inches (610 mm) and the net clear width shall be not less than 20 inches (508 mm).*

**Exception:** *Grade floor or below grade openings shall have a net clear opening of not less than 5 square feet (0.465 m<sup>2</sup>).*

The two VELUX, America, Inc. Roof Window Products covered by this letter in the following sizes were found to comply with the Emergency Escape and Rescue Egress Openings Requirements under certain installation conditions and the products are the GPU MK06, GPU SK06, GPU MK08, GPU UK08, GPU PK10 and the GXU FK06. (See attached drawings.)

VELUX, America, Inc. is a licensee in the Window and Door Manufacturers Association Hallmark and NFRC programs. Please let me know if you have any additional questions. I can be reached at (312) 673-4828 or via email at [jmcfee@wdma.com](mailto:jmcfee@wdma.com).

Thanks,

John McFee  
V.P. Certification Programs

Washington DC Office: 2025 M Street, NW, Suite 800 | Washington, DC 20036 | Phone: 202-367-1157 | [wdma@wdma.com](mailto:wdma@wdma.com)  
Chicago Office: 330 N. Wabash Avenue., Suite 2000 | Chicago, IL 60611 | Phone: 312-321-6802 | [www.wdma.com](http://www.wdma.com)





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**ROOF WINDOW INFORMATION**

**EMERGENCY ESCAPE AND RESCUE OPENINGS**

LOHANGER DOOR & WINDOW

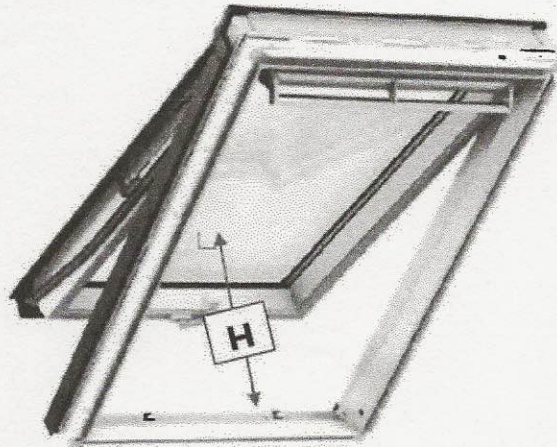
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**Skylights**

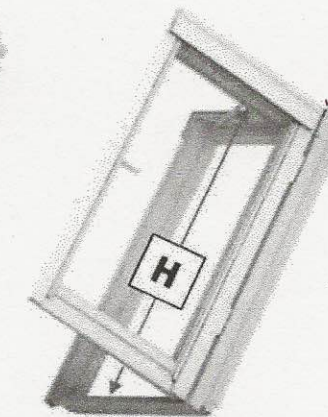
PRODUCT INFORMATION					Dimensional Requirements Met?
VELUX PRODUCT	OUTSIDE FRAME DIMENSION (W x H)	RESCUE OPENING DIMENSIONS		NET CLEAR OPENING	
		W	H		
GPL / GPU MK06	30-3/4 in X 46-1/2 in	27-3/8 in	30-3/8 in	5.78 ft <sup>2</sup>	YES
GPL / GPU MK08	30-3/4 in X 55-1/8 in	27-3/8 in	36-3/8 in	6.92 ft <sup>2</sup>	YES
GPL / GPU PK10	37 in X 63 in	33-3/4 in	41-7/8 in	9.83 ft <sup>2</sup>	YES
<b>GPL / GPU SK06</b>	<b>44-7/8 in X 46-1/2 in</b>	41-5/8 in	30-3/8 in	8.76 ft <sup>2</sup>	YES
GPL / GPU UK08	52-3/4 in X 55-1/8 in	49-1/2 in	36-3/8 in	12.49 ft <sup>2</sup>	YES
GXU FK06	26 in X 46-3/8 in	21-1/8 in	42-1/2 in	6.23 ft <sup>2</sup>	YES
<b>US Model Code Requirements</b>		<b>20"</b>	<b>24"</b>	<b>5.7 ft<sup>2</sup></b>	

**NOTE:** Code also requires 44" Maximum - Finished Sill Height from Finished Floor



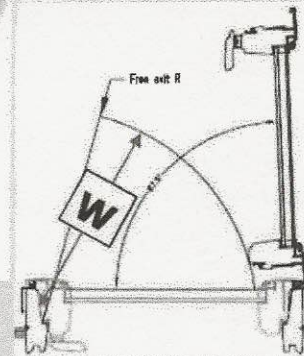
GPL / GPU

The free exit H is the minimum perpendicular distance from the bottom frame to the insulating glass unit.



GXU

The free exit W (radius) is the minimum perpendicular distance from the side frame to the opposite side sash.



**NOTE:**  
GPL / GPU sash opens 44 degrees maximum. Spring hinge holds its position.

**NOTE:**  
GXU sash opens 87.5 degrees and "locks" in that position.





Permitting and Inspections Department  
Michael A. Russell, MS, Director

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### General Building Permit Application

Project Address: 58 West St.

Tax Assessor's CBL: \_\_\_\_\_ Cost of Work: \$ 81,000  
Chart # \_\_\_\_\_ Block # \_\_\_\_\_ Lot # \_\_\_\_\_

Proposed use (e.g., single-family, retail, restaurant, etc.): Single family

Current use: single family Past use, if currently vacant: \_\_\_\_\_

Commercial  Multi-Family Residential  One/Two Family Residential

Type of work (check all that apply):

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> New Structure          | <input type="checkbox"/> Fence                    | <input type="checkbox"/> Change of Ownership - Condo Conversion |
| <input type="checkbox"/> Addition               | <input type="checkbox"/> Pool - Above Ground      | <input type="checkbox"/> Change of Use                          |
| <input checked="" type="checkbox"/> Alteration  | <input type="checkbox"/> Pool - In Ground         | <input type="checkbox"/> Change of Use - Home Occupation        |
| <input type="checkbox"/> Amendment              | <input type="checkbox"/> Retaining Wall           | <input type="checkbox"/> Radio/Telecommunications Equipment     |
| <input type="checkbox"/> Shed                   | <input type="checkbox"/> Replacement Windows      | <input type="checkbox"/> Radio/Telecommunications Tower         |
| <input type="checkbox"/> Demolition - Structure | <input type="checkbox"/> Commercial Hood System   | <input type="checkbox"/> Tent/Stage                             |
| <input type="checkbox"/> Demolition - Interior  | <input type="checkbox"/> Tank Installation/       | <input type="checkbox"/> Wind Tower                             |
| <input type="checkbox"/> Garage - Attached      | <input type="checkbox"/> Replacement Tank Removal | <input type="checkbox"/> Solar Energy Installation              |
| <input type="checkbox"/> Garage - Detached      |   | <input type="checkbox"/> Site Alteration                        |

Project description/scope of work (attach additional pages if needed):

address: Renovate the third floor bathroom  
Renovate the master bathroom

Applicant Name: Mike Monsell Phone: (207) 518-1004

Address: 21 Glenwood Ave Portland Email: c.a.monsellandco@gmail.com

Lessee/Owner Name (if different): Molly Barnathan Phone: (617) 512-9456

Address: 58 West St. Email: \_\_\_\_\_

Contractor Name (if different): \_\_\_\_\_ Phone: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

Address: \_\_\_\_\_ Email: \_\_\_\_\_

I hereby certify that I am the owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature: [Signature] Date: 7/18/18

*This is a legal document and your electronic signature is considered a legal signature per Maine state law.*

Review of this application will not begin until the permit payment is received. This is not a permit. Work may not commence until the permit is issued.





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**Electronic Signature and Fee Payment Confirmation**

This is a legal document and your electronic signature is considered a legal signature per Maine state law. You will receive an e-mailed invoice from our office which signifies that your electronic permit application has been received and is ready for payment. Please pay by one of the following:

- Electronic check or credit card: [portlandmaine.gov/payyourpermit](http://portlandmaine.gov/payyourpermit)
- Over the phone at (207) 874-8703
- Drop off to Room 315, City Hall
- Mail to:

**City of Portland  
Permitting and Inspections Department  
389 Congress Street, Room 315  
Portland, Maine 04101**

By signing below, I understand the review process starts once my payment has been received. After all approvals have been completed, my permit will be issued via e-mail. Work may not commence until permit is issued.

Applicant Signature:  Date: 7/18/18

I have provided electronic copies and sent them on: Date: 7/18/18

**NOTE:** All electronic paperwork must be delivered to [permitting@portlandmaine.gov](mailto:permitting@portlandmaine.gov) or with a thumb drive to the office.

**If you or the property owner owes taxes or user charges on property within the City, payment arrangements must be made before a permit application is accepted.**



Portland, Maine



Yes. Life's good here.

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**FAST TRACK ELIGIBLE PROJECTS  
SCHEDULE B**

(Please note: The appropriate Submission Checklist and General Building Permit Application must be submitted with any Fast Track application.)

**Type of Work:**

- One/two family renovations within existing shell, including interior demolition and windows.
- One/two family HVAC, including boiler, furnace, heating appliance, pellet or wood stove.
- One/two family exterior propane tank.
- Commercial HVAC for boiler, furnace, and heating appliance.
- Commercial HVAC system with structural and mechanical stamped plans.
- Commercial interior demolition – no load bearing demolition.
- Temporary outdoor tents and stages less than 750 square feet.
- Temporary construction trailer.

Zone: \_\_\_\_\_

- |                         |                                      |                          |
|-------------------------|--------------------------------------|--------------------------|
| Shoreland zone?         | <input type="radio"/> Yes            | <input type="radio"/> No |
| Stream protection zone? | <input type="radio"/> Yes            | <input type="radio"/> No |
| Historic district?      | <input checked="" type="radio"/> Yes | <input type="radio"/> No |
| Flood zone (if known)?  | <input type="radio"/> Yes            | <input type="radio"/> No |

This information may be found on the city's online map portal at:  
<http://click.portlandmaine.gov/gisportal/>

**I certify that** (all of the following must be initialed for this application to be accepted):

- I am not expanding the building, including footprint, floor area, or dormer.
- I am the owner or authorized owner's agent of the property listed below.
- I am aware that this application will not be reviewed for determination of the zoning legal use and the use may not be in compliance with City records.
- I assume responsibility for compliance with all applicable codes, bylaws, rules and regulations.
- I assume responsibility for scheduling inspections of the work as required, and agree that the inspector may require modifications to the work completed if it does not meet applicable codes.

Initials

MM

MM

MM

MM

MM

Project Address: 58 West St

Print Name: Michael Monsell Date: 7/18/18

*This is a legal document and your electronic initials are considered a legal signature per Maine state law.*