### DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



# CITY OF PORTLAND BUILDING PERMIT



This is to certify that Parsons, Linwood & Elizabeth

Located At 44 WINTER ST

Job ID: 2012-09-4883-ALTR

CBL: 045- F-005-001

has permission to Renovate interior 2nd & 3rd fls of one unit

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statues of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be

**Fire Prevention Officer** 

Code Enforcement Officer / Plan Reviewer

THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY PENALTY FOR REMOVING THIS CARD

### **BUILDING PERMIT INSPECTION PROCEDURES**

Please call 874-8703 or 874-8693 (ONLY)

or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- Please read the conditions of approval that is attached to this permit!! Contact this
  office if you have any questions.
- Permits expire in 6 months. If the project is not started or ceases for 6 months.
- If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.

Close In Elec/Plmb/Frame prior to insulate or gyp

Final Inspection

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.



# PORTLAND MAINE

Strengthening a Remarkable City, Building a Community for Life . www.portlandmainc.gov

Director of Planning and Urban Development Jeff Levine

Job ID: 2012-09-4883-ALTR

Located At: 44 WINTER ST

CBL: 045- F-005-001

### **Conditions of Approval:**

### Zoning

- 1. This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.
- 2. ANY exterior work requires a separate review and approval thru Historic Preservation. This property is located within an Historic District.
- This is NOT an approval for an additional dwelling unit. You SHALL NOT add any additional kitchen equipment including, but not limited to items such as stoves, microwaves, refrigerators, or kitchen sinks, etc. without special approvals.
- 4. This property shall remain a two family dwelling. Any change of use shall require a separate permit application for review and approval.

### Building

- Application approval based upon information provided by the applicant or design professional. Any deviation from approved plans requires separate review and approval prior to work.
- Per Section R314.3.1 of the IRC 2009, when alterations, repairs or additions requiring a
  permit occur, the dwelling unit shall be equipped with smoke alarms located as required
  for new dwellings. Per Section R315.2 carbon monoxide alarms shall be provided in
  dwellings with fuel-fired appliances or attached garages. Verification of this will be upon
  inspection.
- 3. All penetrations between dwelling units and dwelling units and common areas shall be protected with approved firestop materials, and recessed lighting/vent fixtures shall not reduce the (1 hour) required rating per Sec. R317.3.1.2 of the IRC.
- 4. Separate permits are required for any electrical, plumbing, sprinkler, fire alarm, HVAC systems, heating appliances, including pellet/wood stoves, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.

### Fire

All construction shall comply with City Code Chapter 10.

All smoke detectors and smoke alarms shall be photoelectric.

Hardwired Carbon Monoxide alarms with battery back up are required on each floor.

A sprinkler system is recommended but not required based on the following:

Plans indicate the addition will not exceed \_50\_% of the total completed structure.

# TSG NEW PROPOSAL

# General Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: 4	4 WINTER ST, POR	TLAND, ME 04
Total Square Footage of Proposed Structu 2/25	Square Footage of Lot 3720	Number of Stories 3 + BASEMEW
Tax Assessor's Chart, Block & Lot	Applicant: (must be owner, lessee	or buyer) Telephone:
Chart# Block# Lot#	Name UNWOOD + LIZ PARSE	NS 617-710-624
45/F/55	Address 44 WINTER GT	
, , ,	City, State & Zip PORTCANO, U	1.0
essee/DBA	Owner: (if different from applicant)	Cost of Work: \$26,000
	Name	C of O Fee: \$ Historic Review: \$
	Address	Planning Amin.: \$
	City, State & Zip	Total Fee: \$
If vacant, what was the previous use?  Proposed Specific use:  TWO FAT	16	
If vacant, what was the previous use? Proposed Specific use: TWO FAM Proposed Specific use: TWO FAM Project description: REMOVE EXIST PROPOSED STARWELL TON PROPOSED TWO DORMERS Contractor's name:	MILY  10  If yes, please name —  TNU- WALL AND STAIRWELL  2005 FLOOR. REDUCE FULL BATT  5 FOR STAIRWELL HEADROOM	
f vacant, what was the previous use? Proposed Specific use:  Proposed Specific use:  Property part of a subdivision?  Project description: REMOVE EXIGN  PROPERTY ON STATEMENT ON PERFORMENT ON PROPERTY OF TWO DORMENTS  Contractor's name:  **TOTAL PROPERTY OF TWO DORMENTS  Contractor's name:  **TOTAL PROPERTY OF TWO DORMENTS  **TOTAL PROPERTY OF	muy	LON 2ND FLUNIT #2 + ON 3RD FLOOR CREA ++ ON 2ND FLOOR TO YE HND 30 FL. FULL BATH Email: (Not port of permit
f vacant, what was the previous use? Proposed Specific use:  Proposed Specific	MILY  10  If yes, please name —  TNU- WALL AND STAIRWELL  2005 FLOOR. REDUCE FULL BATT  5 FOR STAIRWELL HEADROOM	LON 2ND FLUNIT #2 + ON 3RD FLOOR CREA ++ ON 2ND FLOOR TO YS MND 30 FL FULL BATH Email: (Not port of permut
f vacant, what was the previous use? Proposed Specific use:  Sproperty part of a subdivision? Project description: REMOVE EXIST WILD HEW STATINGENT TON PEN CONCEST TON DORMERS Contractor's name: Address:  City, State & Zip	MILY  10 If yes, please name —  TNU- WALL AND STAIRWELL  100 AND ADD FULL BATT  1200 FLOOR. REDUCE FULL BATT  15 FOR STAIRWELL HEADROOM  ATTACHED	Telephone:
If vacant, what was the previous use? Proposed Specific use: Sproperty part of a subdivision? Project description: REMOVE EXIST WILD NEW STATIVING TON PEN CONCEST TIVING TON Contractor's name: Address: City, State & Zip Who should we contact when the permit is	MILY  10 If yes, please name  TND-WALL AND STAIRWELL  1005 AND ARD FULL BATA  200 FLOOR, REDUCE FULL BATA  5 FOR STARWELL HEADROOM  ATTACHED  s ready:	Telephone:
f vacant, what was the previous use? Proposed Specific use: TWO FAR Proposed Specific use: TW	MILY  10 If yes, please name  TND-WALL AND STAIRWELL  1005 AND ARD FULL BATA  200 FLOOR, REDUCE FULL BATA  5 FOR STARWELL HEADROOM  ATTACHED  s ready:	Telephone:
If vacant, what was the previous use? Proposed Specific use: TWO FAR Is property part of a subdivision? A Project description: REMOVE EXIST REPORT ON STATE OF TWO DORMERS CONTRACTOR'S name:  Address: See State & Zip Who should we contact when the permit is Mailing address:  Please submit all of the information of the information of the subdivision?  Please submit all of the information of t	MILY  NO If yes, please name —  TNU- WALL AND STAIRWELL  LOS AND ADD FULL BATA  LOS FLOOR. REDUCE FULL BATA  FOR STAIRWELL HEADROOM  ATTACHED  s ready:	Telephone:  Telephone:  Telephone:  Telephone:  Telephone:  Telephone:  Telephone:
If vacant, what was the previous use? Proposed Specific use: TWO FAR Proposed Specific use: T	MILY  NO If yes, please name —  TNU- WALL AND STAIRWELL  SONE AND AND FULL BATT  FOR STAIRWELL HEADROOM  ATTACHED  s ready:  tion outlined on the applicable ch	Telephone:  Telephone:  Telephone:  Telephone:  Telephone:  Telephone:

and 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: Marrow Varrow	Date:	8.30.2012
Phis is not a permit; you may not con	nmence A	NY work until the permit is issued
( ) teros		

### City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, FAX: (207) 8716

Job No: 2012-09-4883-ALTR	Date Applied: 9/5/2012		CBL: 045- F-005-001		
Location of Construction: 44 WINTER ST	Owner Name: LINWOOD & ELIZABE PARSONS	тн	Owner Address: 44 WINTER ST PORTLAND, ME		Phone: 617-710-6241
Business Name:	Contractor Name: Mark Lenard		Contractor Addi 124 Cape Rd., Hol	ress: lis Center ME 04042	Phone: (207) 720-092
Lessee/Buyer's Name:	Phone:		Permit Type: BLDG - Building		Zone: R-6
Past Use:	Proposed Use:		Cost of Work: 26000.00		CEO Distri
Two family	Same – two family – renovation of 2 <sup>nd</sup> apar the 2 <sup>nd</sup> & 3 <sup>rd</sup> floors		Fire Dept:	Approved Denied N/A	Inspection: Use Group: Type: SB  MUSEC  Signature:
Proposed Project Descriptio Internal reconstruction, multiple			Pedestrian Activ	vities District (P.A.D.)	11/7/12
Permit Taken By: Brad				Zoning Approva	
1. This permit application Applicant(s) from meeti Federal Rules. 2. Building Permits do not septic or electrial work. 3. Building permits are vo within six (6) months of False informatin may in permit and stop all work ereby certify that I am the owner of ereby certify that I am the owner of ereby certify that I certify that the enforce the provision of the code(s)	ing applicable State and include plumbing, id if work is not started if the date of issuance. It is a building it.	Shoreland Stelland Subdivis Site Plan  Maj  Date: Of we see to conform to	Min _ MM MinMM  ICATION  Dosed work is authorized all applicable laws of the content of th	this jurisdiction. In addition	, if a permit for work described in



# PORTLAND MAINE

Strengthening a Remarkable City, Building a Community for Life . www.portlandmaine.gov

### Receipts Details:

Tender Information: Check, Check Number: 2846

Tender Amount: 330.00

Receipt Header:

Cashier Id: bsaucier Receipt Date: 9/5/2012 Receipt Number: 47869

Receipt Details:

Referance ID:	7907	Fee Type:	BP-Constr
Receipt Number:	0	Payment Date:	
Transaction Amount:	280.00	Charge Amount:	280.00

Job ID: Job ID: 2012-09-4883-ALTR - Internal reconstruction, multiple floors; 2dormers

Additional Comments: 44 Winter

Referance ID:	7908	Fee Type:	BP-HRAD
Receipt Number:	0	Payment Date:	
Transaction Amount:	50.00	Charge Amount:	50.00

Job ID: Job ID: 2012-09-4883-ALTR - Internal reconstruction, multiple floors; 2dormers

### Permit Application 8-30-2012

OWNER:

Linwood and Elizabeth Parsons

44 Winter Street

Portland, Maine 04102

617-710-6241

linparsons@comcast.net

PROJECT COORDINATOR:

REALTOR

Jennifer Defilipp

Townsend Real Estate

207-272-6581

jend@townsendre.com

**BUILDING CONTRACTOR:** 

Mark Lenard

124 Cape Rd.

Hollis, Maine 04042

207-720-0922

mainemrk@gmail.com

ENGINEER:

Helen Watts Engineering

455 Litchfield Rd.

Bowdoin, Maine 04287

207-522-9366 hcwatts@gwi.net

ELECTRICIAN:

R.W. Googins

(permit to follow)

N. Yarmouth, Maine

207-829-4633

**PLUMBER** 

Paul Berry

(permit to follow)

Hollis, Maine 207-727-4079

GAS AND HEATING

Lee Landry

Revision Heat 207-570-4222

lee@revisionheat.com

Unitil

Mark Allen 207-541-2502 allenm@unitil.com Renovation Proposal 44 Winter St. Portland, Maine

This proposal is a modified version from the previous submission. There will be no dormers.

We are proposing to take down 1/3 of an existing wall between the kitchen and living room and move the existing stairs to an existing closet space for new egress to the third floor. A small section of wall is to be moved 10" and elongated for the new stairwell support. This will create a wider entry into the living space to allow the removal of an existing entry into existing kitchen zone. A new Anderson 440 series full glass back door will be installed. 413 sqft of second floor will be modified. The walls have previously been insulated and the windows replaced. The appliances will be updated and the full bath will change to ½ bath and laundry.

The third floor will be gutted to the studs and rafters. Lead safe. The rafters will be strapped with 2" and spray foamed to R38, the walls will be R22 spray foam. The home has been energy audited by Horizon Residential Energy. Five new Vellux Skylights and Two Anderson 400 series casement windows, for fire egress, if necessary, will be installed. A new full bath, a bedroom and an office/guest space will be created. This is 631 sqft.

The total sqft of the entire living space of the building is 2125. The first floor is 840, the second is 654 and the third is 631. We are proposing to structurally renovate 1044 sqft.









Cnv0027.jpg



DSC03149-1.JPG



DSC03145-1.JPG



Cnv0026.jpg



Cnv0028.jpg



DSC03144-1.JPG



DSC03146-1.JPG



Cnv0029.jpg

### DOOR SCHEDULE- 44Winter Street, Portland, Maine

### 1<sup>st</sup> Floor Existing

- 1. 38x86 Wood Storm
- 2. 36x86 Wood Panel, 2 1/2 "
- 3. 34x84 Wood Panel, 2"
- 4. 42x84 Wood Panel, 2" pocket doors
- 5. 27x84 Hollow Core
- 6. 29x84 Hollow Core
- 7. 30x84 Hollow Core
- 8. 32x86 Wood panel, 2"
- 9. 30x84 Exterior, top glass, DBL Pane
- 10. 31x84, Wood Panel, closet
- 11. 31x84, Aluminum Storm

### 2<sup>nd</sup> Floor Existing

- 12. 30x84 Wood Panel 2"
- 13. 30x84 Wood Panel, 1 1/2"
- 14. 33x84 Exterior, Top half glass, DBL Pane

### 2<sup>nd</sup> Floor New

15. 36x90, Exterior Wood, Full Glass, DBL Pane-rear 2<sup>nd</sup> fl. door

# Andersen.

### Light Patterns

Prairie A

Colonial

Modified Colonial Modified Colonial SCR (Simulated Check Rail) Tall Fractional Tall Fractional SCR (Simulated Check Rail) Short Fractional Short Fractional SCR (Simulated Check Rail)

















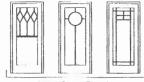
of lights and overall pattern varies with panel

equal light and custom patterns are also

For more information on divided light see

or visit andersenwindows.com/grilles.

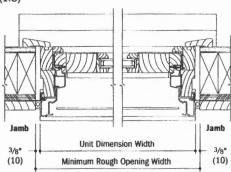
Specified Equal Light Examples



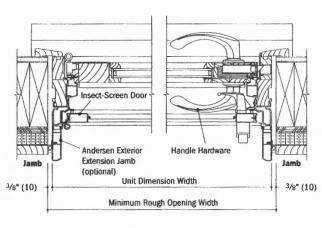
**Custom Pattern Examples** 

### mahwood' Hinged Inswing Patio Door Details

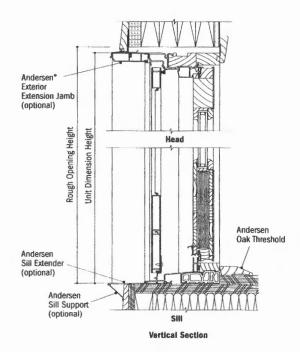
11/2" = 1'-0" (1:8)



Horizontal Section Stationary



Horizontal Section Active

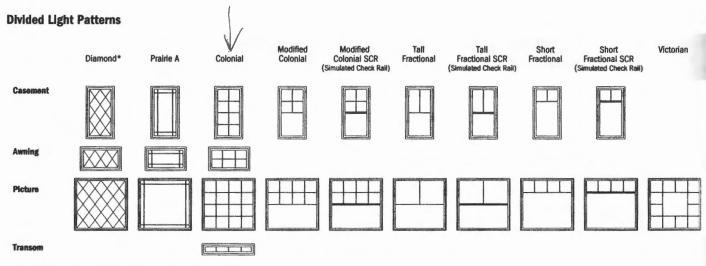


areas are parts included with door. Dark-colored areas are additional Andersen' parts required to complete door assembly as shown.

spealings may need to be increased to allow for use of building wraps, flashing, still panning, brackets, fasteners or other items. See installation information on page 33.

see for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenvindows.com.

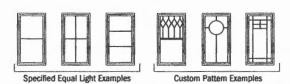
### **CASEMENT & AWNING WINDOWS**



<sup>\*</sup>Available only in Simulated Divided Light (SDL) configuration and only in  $^3\!\!4^{\rm o}$  and  $^7\!\!/{\rm o}^{\rm o}$  widths.

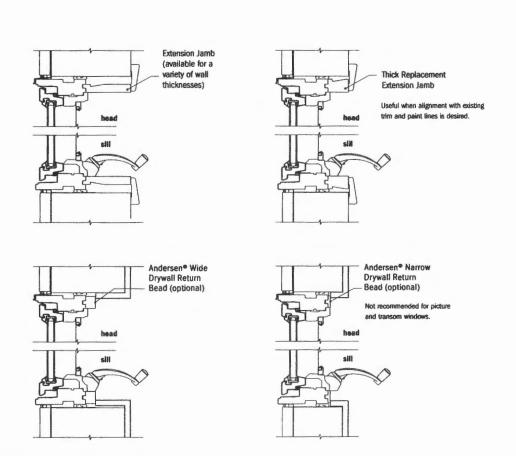
Number of lights and overall pattern varies with window size. Patterns are not available in all configurations.

Specified equal light and custom patterns are also available. For more information on divided light see page 13 or visit andersenwindows.com/grilles.



### **Interior Trim Options**

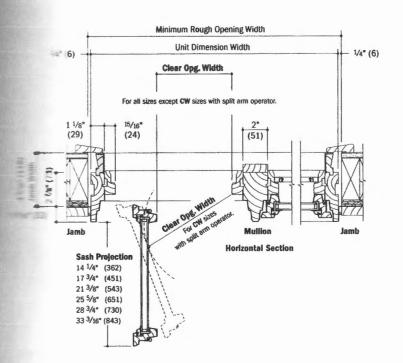
Extension jamb and drywall return bead applications shown. See page 37 for more information.

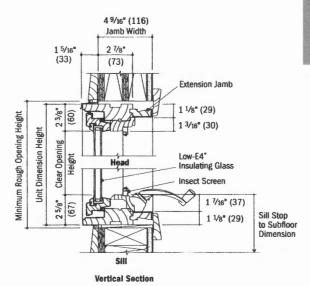


- · Light-colored areas are parts included with window. Dark-colored areas are additional Andersen' parts required to complete window assembly as shown
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

Window Details

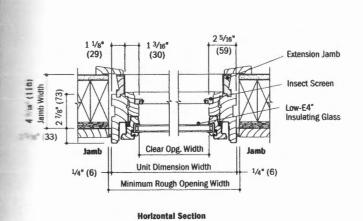
= 1'-0" (1:8)

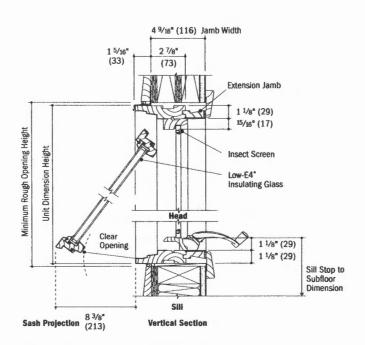




### **Window Details**

11/2" = 1'-0" (1:8)





<sup>\* 4 1/11&</sup>quot; jamb width measurement is from backside of installation flange.

Ignition what measurement is from backshoe or installation large.
 Ignit colored areas are parts included with window. Dark-colored areas are additional Andersen\* parts required to complete window assembly as shown.
 Image openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 33.
 Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

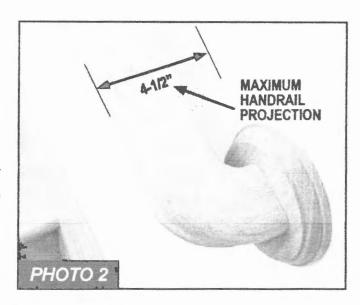
### **SECTION R311.5 STAIRWAYS**

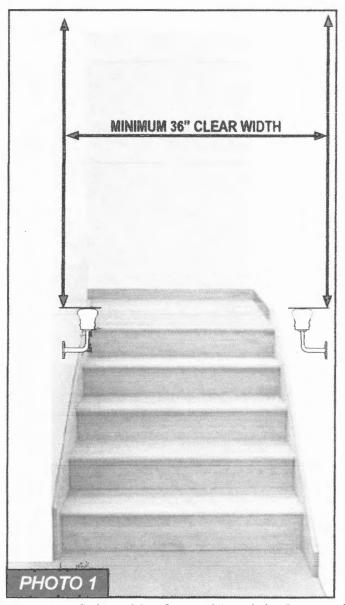
### R311.5.1 Width.

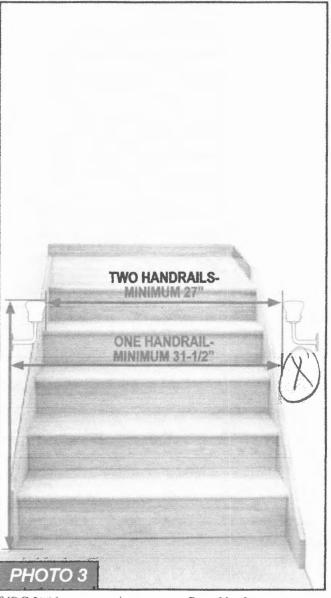
Stairways shall not be less than 36 inches (914 mm) in clear width at all points above the permitted handrail height and below the required headroom height.

PHOTO 1. Handrails shall not project more than 4.5 inches (114 mm) on either side of the stairway PHOTO 2 and the minimum clear width of the stairway at and below the handrail height, including treads and landings, shall not be less than 31.5 inches (787 mm) where a handrail is installed on one side and 27 inches (698 mm) where handrails are provided on both sides PHOTO 3.

Exception: The width of spiral stairways shall be in accordance with Section R311.5.8. See **PHOTO 35** on page 12.



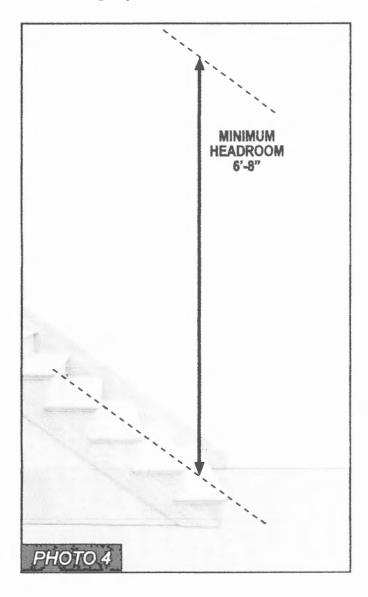


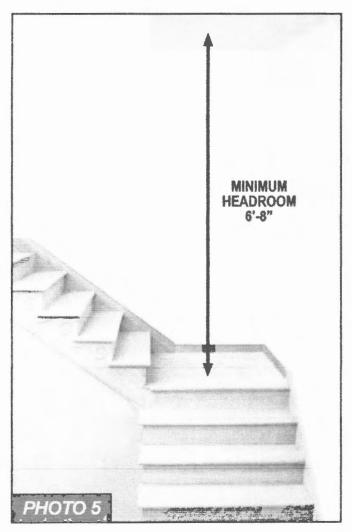


Stairway Manufacturers' Association Interpretation of IRC 2006 • www.stairways.org • Page No. 3

### R311.5.2 Headroom.

The minimum headroom in all parts of the stairway shall not be less than 6 feet. 8 inches (2036 mm) measured vertically from the sloped plane adjoining the tread nosing **PHOTO 4** or from the floor surface of the landing or platform. **PHOTO 5**.





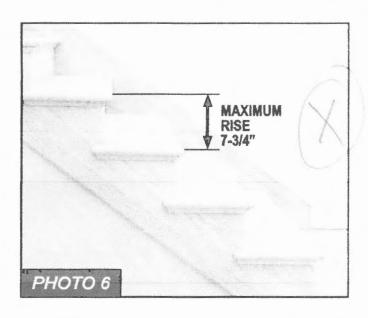
### R311.5.3 Stair treads and risers.

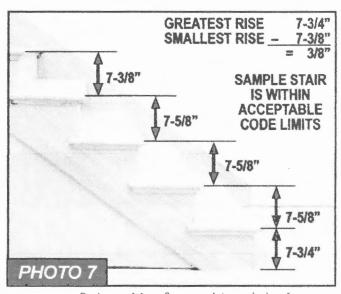
R311.5.3.1 Riser height.

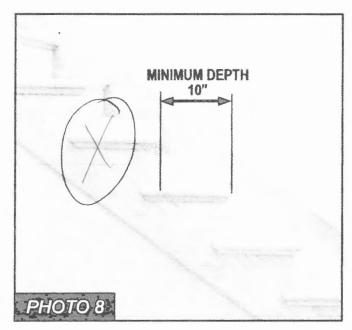
The maximum riser height shall be 7¼ inches (196 mm). The riser shall be measured vertically between leading edges of the adjacent treads. **PHOTO**6. The greatest riser height within any flight of stairs shall not exceed the smallest by more than ¾ inch (9.5 mm). **PHOTO** 7.

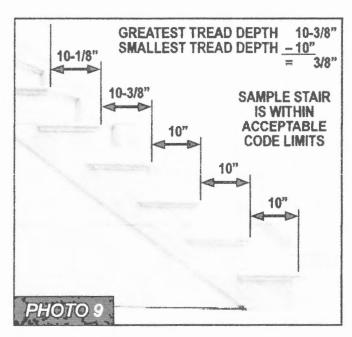
R311.5.3.2 Tread depth.

The minimum tread depth shall be 10 inches (254 mm). The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. **PHOTO 8**. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than 3% inch (9.5 mm). **PHOTO 9**.









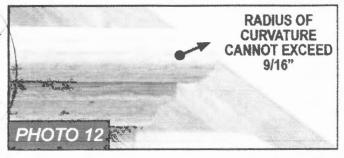
Winder treads shall have a minimum tread depth of 10 inches (254 mm) measured as above at a point 12 inches (305 mm) from the side where the treads are narrower. **DRAWING 10**. Winder treads shall have a minimum tread depth of 6 inches (152 mm) at any point. **DRAWING 11**. Within any flight of stairs, the greatest winder tread depth at the 12 inch (305 mm) walk line shall not exceed the smallest by more than  $\frac{3}{8}$  inches (9.5 mm).

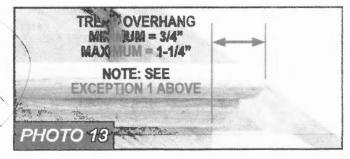
### R311.5.3.3 Profile.

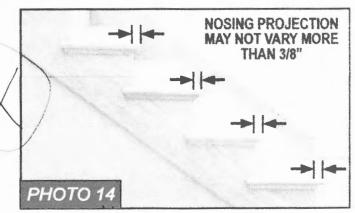
The radius of curvature at the leading edge of the tread shall be no greater than  $\frac{9}{10}$  inch (14.3 mm). PHOTO 12. A nosing not less than 34 inch (19) mm) but not more than 11/4 inches (32 mm) shall be provided on stairways with solid risers. PHOTO 13. The greatest nosing projection shall not exceed the smallest nosing projection by more than 3/8 inch (9.5) mm) between two stories, including the nosing at the level of floors and landings. PHOTO 14. Beveling of nosing shall not exceed ½ inch (12.7 mm). **PHOTO 15**. Risers shall be vertical or sloped from the underside of the leading edge of the tread above at an angle not more than 30 (0.51 rad) degrees from the vertical. **PHOTO 16**. Open risers are permitted. provided that the opening between treads does not permit the passage of a 4-inch diameter (102 mm) sphere. PHOTO 17.

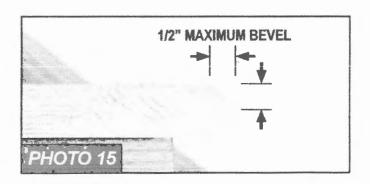
Exceptions: 1. A nosing is not required where the tread depth is a minimum of 11 inches (279 mm).

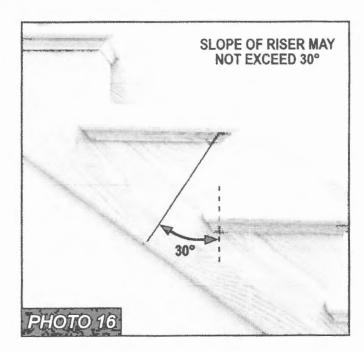
2. The opening between adjacent treads is not limited on stairs with a total rise of 30 inches (762 mm) or less. **PHOTO 17**.

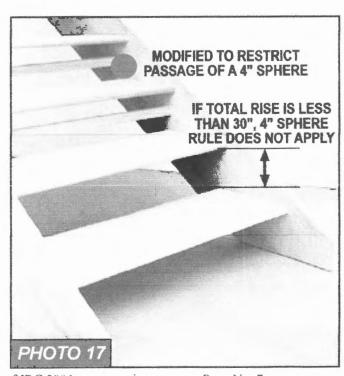








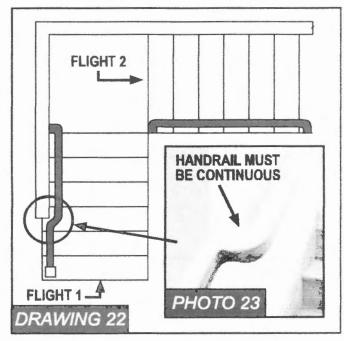


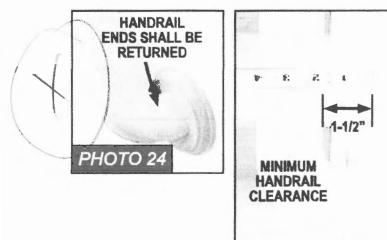


Stairway Manufacturers' Association Interpretation of IRC 2006 • www.stairways.org • Page No. 7

### R311.5.6.2 Continuity.

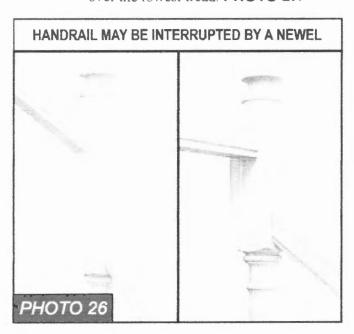
Handrails for stairways shall be continuous for the full length of the flight, from a point directly above the top riser of the flight to a point directly above lowest riser of the flight. DRAWING 22 and PHOTO 23. Handrail ends shall be returned PHOTO 24 or shall terminate in newel posts or safety terminals. Handrails adjacent to a wall shall have a space of not less than 1½ inches (38 mm) between the wall and the handrails. PHOTO 25.

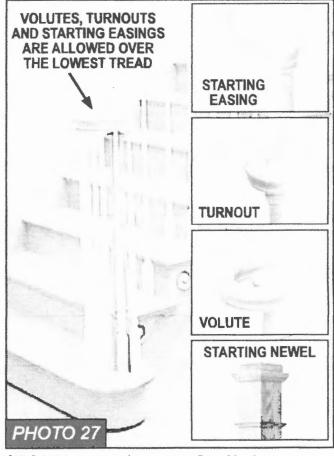




**PHOTO 25** 

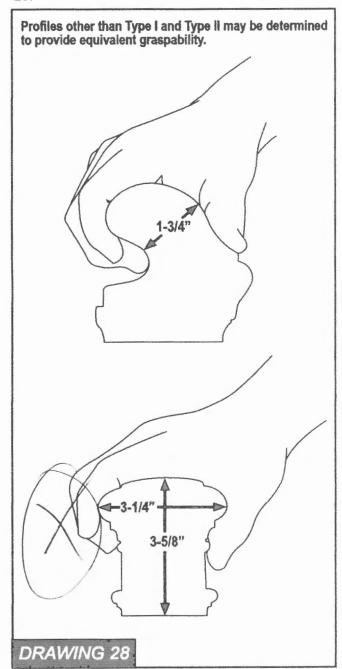
- Exceptions: 1. Handrails shall be permitted to be interrupted by a newel post at the turn. PHOTO 26
  - 2. The use of a volute, turnout, starting easing or starting newel shall be allowed over the lowest tread. PHOTO 27.



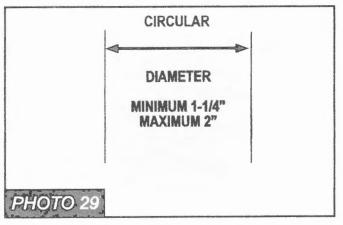


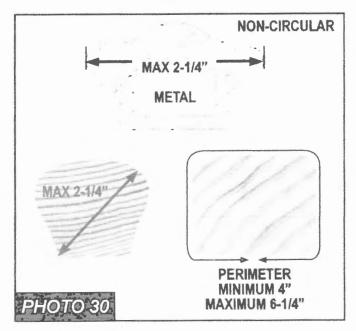
R311.5.6.3 Handrail grip size.

All required handrails shall be of one of the following types or provide equivalent graspability. **DRAWING** 28.

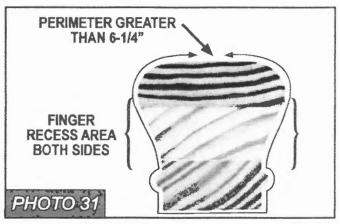


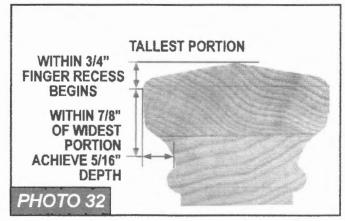
1. Type I. Handrails with a circular cross section shall have an outside diameter of at least 1½ inches (32 mm) and not greater than 2 inches (51 mm). **PHOTO 29**. If the handrail is not circular it shall have a perimeter dimension of at least 4 inches (102 mm) and not greater than 6½ inches (160 mm) with a maximum cross section of dimension of 2½ inches (57 mm). **PHOTO 30**.

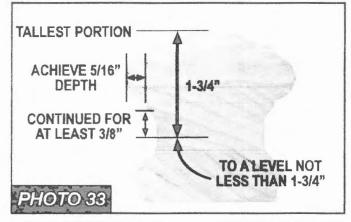


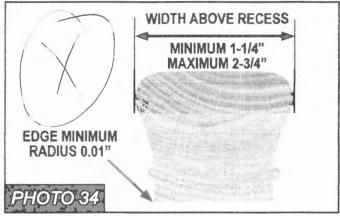


2. Type II. Handrails with a perimeter greater than 6¼ inches (160mm) shall provide a graspable finger recess area on both sides of the profile. PHOTO 31. The finger recess shall begin within a distance of ¾ inch (19 mm) measured vertically from the tallest portion of the profile and achieve a depth of at least 5/16 inch (8mm) within ½ inch (22mm) below the widest portion of the profile. PHOTO 32. This required depth shall continue for at least ½ inch (10mm) to a level that is not less than 1¾ inches (45 mm) below the tallest portion of the profile. PHOTO 33. The minimum width of the handrail above the recess shall be 1¼ inches (32 mm) to a maximum of 2¾ inches (70 mm). PHOTO 34. Edges shall have a minimum radius of 0.01 inches (0.25 mm). PHOTO 34.





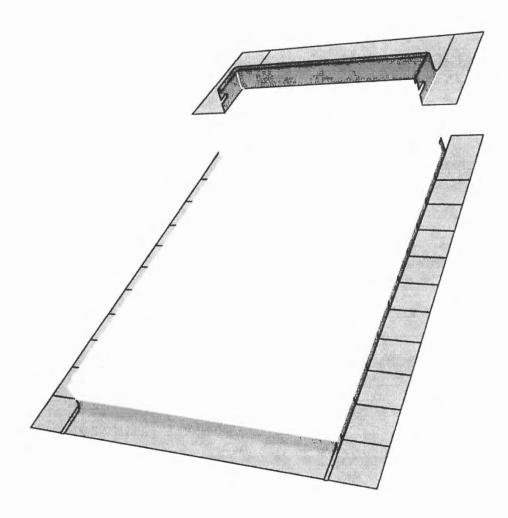




**R311.5.7 Illumination.**All stairs shall be provided with illumination in accordance with Section R303.6



# EDL + FS, VS, VSE



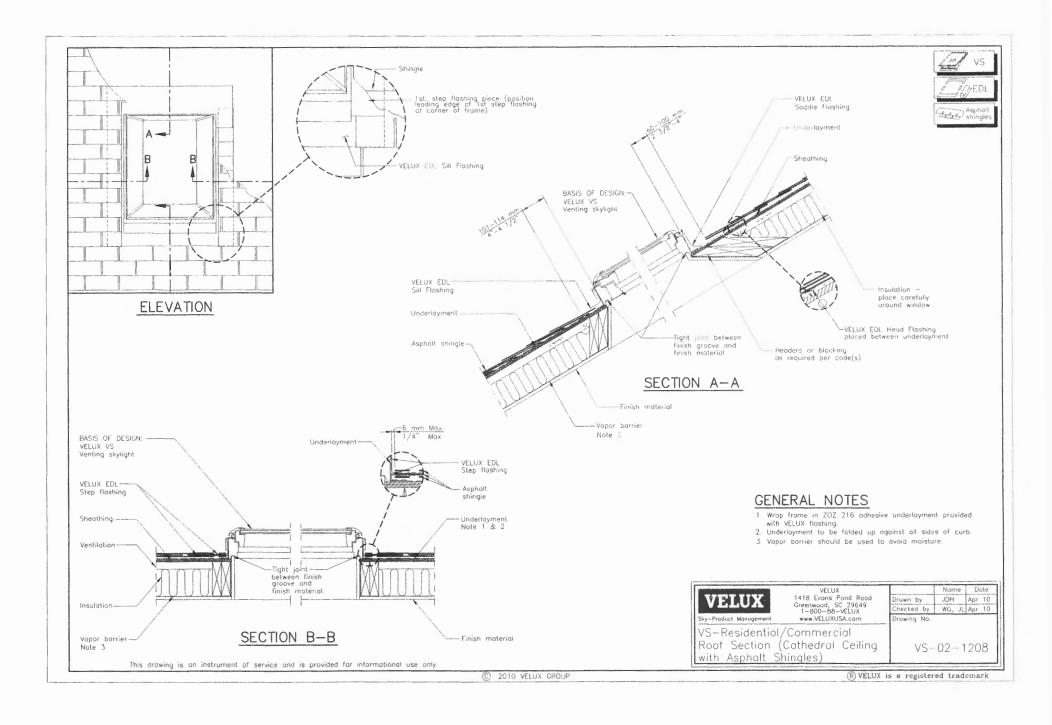
ENGLISH: EDL Deck Mounted Skylight Flashing Installation Instructions

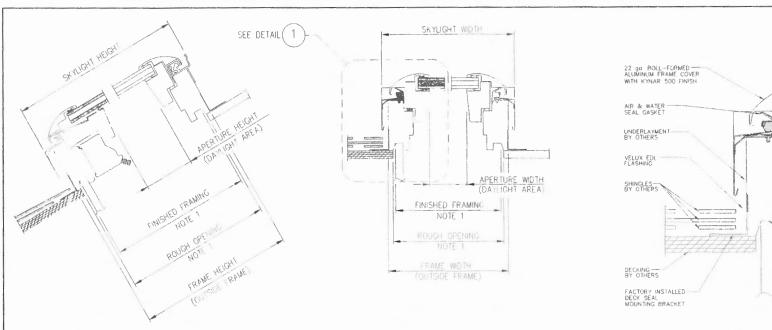
ESPAÑOL: Instrucciones de instalación de tapajuntas EDL para tragaluz montado sobre tablero

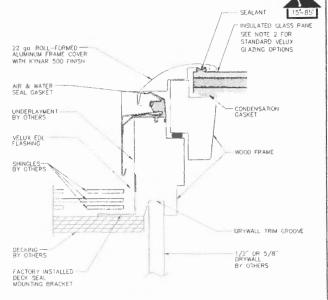
FRANÇAIS . Instructions d'installation du solin EDL pour puits de lumière à cadre intégré monté directement sur la toiture











	120			1501
VERT	( A)	1 1	4-1	LCOP.
Y Land		011		1014

HORIZONTAL CROSS SECTION

E	TAIL	1	
			)

			1.00			Р	RODUCT D	IN	MENSI	ONS						
		N	METRIC	UNITS	(MILLIME TE	RS)					IM	PERIAL	UNITS	(INCHES)		
SIZE	FRAME WIDTH	FRAME APERTURE WIDTH	SKYLIGHT WIDTH	FRAME HEIGHT	FRAME APERTURE HEIGHT	SK YLIGHT HEIGHT	DAYLIGHT AREA (SQ. M.)		SIZE	FRAME	FRAME APERTURE WIDTH	SKYLIGHT WIDTH	FRAME HEIGHT	FRAME APERTURE HEIGHT	SKYLIGHT HEIGHT	DAYLIGHT AREA (SQ FT.)
A06	387	248	407.7	1175	1036	1200	.25	П	A06	15 1/4	9 3/4	16 1/16	46 1/4	40 3/4	47 1/4	2.67
C01	546	407	566 7	695	556	720	.21		C01	21 1/2	16	22 5/16	27 3/8	21 7/8	28 3/8	2.27
C04	546	407	566.7	975	836	1000	.33		C04	21 1/2	16	22 5/16	38 3/8	32 15/16	39 3/8	3.50
C06	546	407	566.7	1175	1036	1200	41		X C06	21 1/2	16	22 5/16	46 1/4	40 3/4	47 1/4	4.38
C08	546	407	566 7	1395	1256	1420	.50	11	C08	21 1/2	16	22 5/16	54 15/16	49 1/2	55 15/16	5.34
M04	776	637	796.7	975	836	1000	51	Н	M04	30 9/16	25	31 3/8	38 3/8	32 15/16	39 3/8	5.48
M06	776	637	796.7	1175	1036	1200	.64	11	M06	30 9/16	25	31 3/8	46 1/4	40 3/4	47 1/4	6.86
M08	776	637	796.7	1395	1256	1420	.78	Ш	M08	30 9/16	25	31 3/8	54 15/16	49 1/2	55 15/16	8.36
S01	1136	997	1156.7	695	556	720	.52		S01	44 3/4	39 1/4	45 9/16	27 3/8	21 7/8	28 3/8	5.57
S06	1136	997	1156.7	1175	1036	1200	10		S06	44 3/4	39 1/4	45 9/16	46 1/4	40 3/4	47 1/4	10.73

NOTES:

1 The ROUGH OPENING and FINISHED FRAMING dimensions are based on perpendicular interior finish material on all four sides and these dimensions will vary depending on the roof construction, the thickness and the design of the interior finish materiot.

2 Standard VELUX Glazing options for the VELUX VS Skylight include the following glass types:

Laminated LowE3 (04)
Tempered LowE3 (05)
Impact (06)
Snowload (10)

VELUX

VELUX
1418 Evans Pond Rood
Greenwood, SC 29649
1-800-88-VELUX
www.VELUXUSA.com

Drawn by JDH Oct 2012 Checked by BDM,JL Oct 2012 Drawing No.

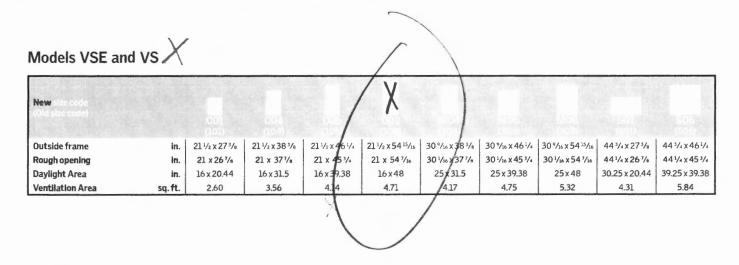
VS — Manual Venting Skylight Product Data, Product Dimensions, Cross Sections & Enlarged Detail

VS-01-1012

This drawing is an instrument of service and is provided for informational use only

© 2012 VELUX GROUP

R VELUX is a registered trademark



### Model FS

New size sode (0)d size code)		A06 (056)	C 0)1	C04	00a 00a	DOTE FLORE		<u> </u>	•	0.02	MGA BOB	1106 1206	7/05 2000	≈0.1 (60.1)	506 (606)
Outside frame	in.	15½x 46¼	21 ½ x 27 3/8	21½ x 38¾	21½ x 46¼	21½×54	21 ½ x 70 ¾	23 <sup>1</sup> / <sub>4</sub> x 23	23 <sup>1</sup> / <sub>4</sub> x 46 <sup>1</sup> / <sub>4</sub>	30 %/16 X 30 1/2	30 %16 X 38 3/8	30 <sup>9</sup> / <sub>16</sub> x 46 <sup>1</sup> / <sub>4</sub>	30 %16 x 54	44 <sup>3</sup> / <sub>4</sub> x 27 <sup>3</sup> / <sub>8</sub>	44 <sup>3</sup> / <sub>4</sub> x 46 <sup>1</sup> / <sub>4</sub>
Rough opening	in.	14 ½ X 45 ¾	21 x 26 1/2	21 x 37 7/6	21 x 45 <sup>3</sup> / <sub>4</sub>	21 x 54 <sup>7</sup> /16	21 x 70 <sup>1</sup> / <sub>4</sub>	22 1/2 x 22 15/16	22 ½ X 45 ¼	30½ x 30	30½ x 37½	30 ½ X 45 ¾	30 ½ X 54 ½ X	44 1/4 X 26 1/8	44 <sup>1</sup> / <sub>4</sub> x 45 <sup>3</sup> / <sub>4</sub>
Daylight Area	in.	11 15/16 x 42 15/16	18 <sup>3</sup> /16 x 24 <sup>1</sup> /16	18 <sup>3</sup> / <sub>16</sub> X 35 <sup>1</sup> / <sub>16</sub>	18 <sup>3</sup> /16 X 42 <sup>15</sup> /16	18 <sup>3</sup> / <sub>16</sub> x 51 <sup>5</sup> / <sub>8</sub>	18 <sup>3</sup> / <sub>16</sub> x 67 <sup>7</sup> / <sub>16</sub>	19 15/16 X 20 1/6	19 15/16 x 42	27 ½ X 27 ½ 16	27 <sup>1</sup> / <sub>4</sub> x 35 <sup>1</sup> / <sub>16</sub>	27 <sup>1</sup> / <sub>4</sub> x 42 <sup>15</sup> / <sub>16</sub>	271/4 X 515/6	41 <sup>7</sup> / <sub>16</sub> X 24 <sup>1</sup> / <sub>16</sub>	41 <sup>7</sup> / <sub>16</sub> X 42 <sup>15</sup> / <sub>16</sub>

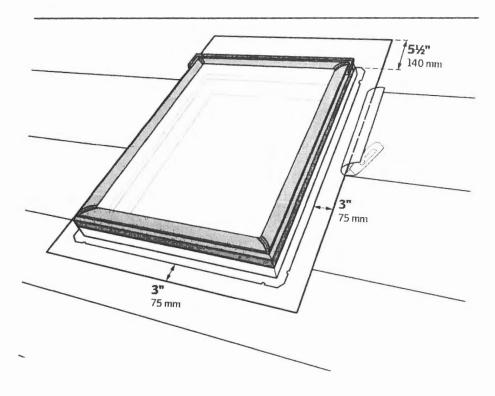
Model FS sizes D26 and D06 fit perfectly between roof trusses.

### Model GDL CABRIO™

		20
Outside frame	in.	37½ x 99¼
Rough opening	In.	39 3/a x 101
Daylight area (upper section)	in.	30 x 53 1/4
	in.	30 x 28 3/4
Daylight area (lower section)	1 010.	
	sq.ft.	22.5
Daylight area (lower section) Ventilation area (upper section) Ventilation area (flap)	1	22.5 36.7

### Model GPL

Outside frame	in.	30 <sup>5</sup> / <sub>6</sub> x 55	443/4×463/8
Rough opening	in.	31 1/4 x 55 1/2	451/4×467/6
Daylight area (glass)	in.	23 3/4 x 45 1/4	3715/16 x 365/8
Ventilation area (opening)	sq.ft.	11.34	11.64
Ventialtion area (flap)	sq. in.	30.00	47.81
Net wt. (w/ Lam. glass)	lbs.	111	123

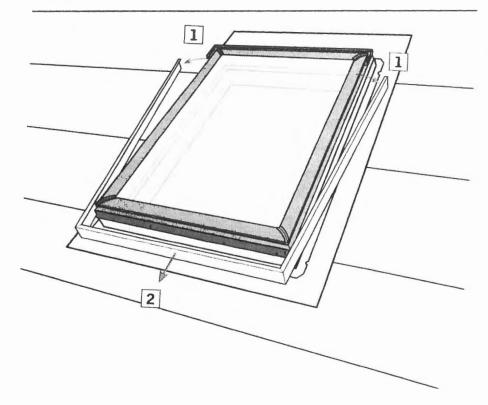


**ENGLISM:** Remove existing roofing underlayment around the rough opening as shown.

ESPANOL. Retire la lámina de soporte existente de la zona alrededor del hueco tal como se indica.

FRANÇ/IS Retirer la membrane de toiture existante autour de l'ouverture brute, tel qu'illustré.

2

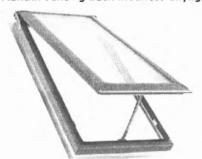


ENGLISH: To properly install VELUX adhesive skylight underlayment, remove cladding as shown.

ESPANCE. Para la correcta instalación de la lámina de soporte autoadhesiva para tragaluz VELUX, debe retirar el recubrimiento como se indica.

FRANCAIS Pour une installation adéquate de la membrane de toiture autocollante pour puits de lumière VELUX, enlever le revêtement, tel qu'illustré.

## Manual venting deck mounted skylight (VS)



Designed for deck mounted installations, the VS manual venting skylight enables any home to embrace the best of what nature has to offer. Opening for maximum fresh air, the venting skylight contributes to a home's proper moisture balance and comfort level by allowing stale, humid air to be released.



The VS skylight meets ENERGY STAR® approval guidelines for energy efficiency in all climatic regions of the US.

Dealer & installer locator Order Blinds

VS specs VS CAD files VS instructions VS sizes Inspirational images ENERGY STAR® site

Blinds

If in stock blinds and skylights are purchased together, blinds can be factory installed in the skylight at no additional cost.

Blackout blind (solar) Blocks 98% of light

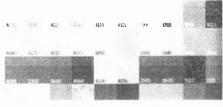
Light filtering blind (solar) Translucent













- · Some sizes have limited or no blind options
- Visit velux.skylightblindshop.com
- Manual components

The VS package includes the operator hook and insect screen.

The VS skylight installs on roofs with slopes between 14° (3:12) and 85° (137:12).



Solar blackout blind Block the light using only the power of the sun. No wiring. No electrician.

Details



Solar roller blind Diffuse the light using only the power of the sun. No wiring. No electrician.

Details



Venting skylights are great for rooms that need natural ventilation (especially kitchens and baths). They are particularly effective for passive cooling, which requires no energy expenditure.



Warranties you can trust

Our warranty covers 20 years on insulated glass seal, 10 years on the skylight, 10 years on installation and 5 years on the electronics.

### Product details

### Convenient manual control

The VS skylight is easily opened and closed manually with VELUX control rods when installed out-of-reach. A smooth turning handle is available when skylights are installed within reach.

### Pick&Click! ™ pre-installed

The new innovative Pick&Click! ™ brackets make blind installation a snap! Every VS (VSE, FS) skylight comes pre-installed with Pick&Click! ™ brackets that allows for fast and easy installation of sunscreening blinds and accessories.

### Energy efficient glass options for added safety and energy efficiency

All VELUX skylight glazings are built using energy efficient, LoE3, Argon gas injected dual glass panes. The VS skylight comes with your choice of the following glazing options, each designed to meet the needs of specific building situations:

- \* Impact glass Special safety glass designed to meet code requirements for hurricane prone areas (Available for select sizes)
- \* Laminated glass Tempered safety glass with extra laminated pane for added safety and comfort
- \* Tempered glass Tempered safety glass
- \* Snowload glass Special safety glass required in some heavy snow areas

### Quality construction

The VS skylight comes with pre-finished white frames and sashes that eliminate the need for secondary high cost trips by a painter. An insect screen, a stainless steel chain operator and aluminum or copper cladding is also included in the package.

### Streamlined exterior

The smooth, low-profile of the VS skylight does not obstruct your roofline.

### Flashing options for a weathertight installation

A complete line of flashing systems help ensure a weathertight installation for your VS skylight, no matter what your roofing material:

- \* Shingles and shakes
- \* High Profile Roofing
- \* Metal Roofing

### Wide range of sizes

The VS skylight comes in a variety of sizes that work with rafter or truss roofs, so that you can select the one that is right for your project. Due to local sales tax, transportation and delivery costs that may vary, please consult your local VELUX dealer for pricing.

View the skylight sizes

### Easy skylight replacement option

Our trim kit provides a clean interior finish when replacing older "drop-in" or "flush-mount" skylights.

0.7 0.13 <b>ce @ 3.4</b>	0.5 0.09	06**	08	10
0.7 0.13 ce @ 3.4 ferential	0.5 0.09	ential pres		
0.7 0.13 ce <b>@ 3.4</b> ferential	0.5 C.09		sure]	
ce @ 3.4 ferential 720	L/m²/n	0.5	0.7	0.7
720		C.09	C.13	C.13
	pressure i	nin (5 US; with no lea	gml/ft*/hr kage]	) =
15	720	720	720	720
	15	15	15	15
mance	(Certified	, complete	unit value	5)
U-Facto	r, SHGC,	and VT ra		
0.42	0.43	0.41	0.42	0.41
C.23	0.23	C.23	8:22	C.23
0.53	0.54	0.52	0.39	0.52
96				
99.9	95.2	99.9	99.9	99.9
83.1	(Krochma 79.2	nn damage 84.6	88.4	83.2
ormance	e [Perform		de or DP] .	
	Uţ	olift (lbs/fl	:')	
50	50	slift (lbs/f)	s') 50	60
50 85				
85	50 75	<b>55</b> /5	<b>50</b> 85	<b>60</b>
	50 75 n.r.	55 /5 n.r.	50 85 n.r.	60
85	50 75 n.r.	<b>55</b> /5	50 85 n.r.	<b>60</b>
85	50 75 n.r.	55 /5 n.r.	50 85 n.r.	<b>60</b>
85 n.r.	50 75 n.r. Dow	55 75 n.r. nload (lbs	50 85 n.r.	60 65 70
	0.42 0.23 0.53 % 99.9 on, %	Certified Prod 0.42 0.43 0.23 0.23 0.53 0.54 96 99.9 95.2 100, % (Krochma 83.1 79.2	**RC Certified Products Direct  0.42	C.23 C.23 C.23 C.22 0.53 0.54 0.52 0.39 % 99.9 95.2 99.9 99.9  lon, % (Krochmann damage function)

10 glass: femp. over laminated temp. (0.030" interlayer)

### Snowload glass



Snowload glass is designed for heavy snow areas. It also features a triple-layer of LoE coating for increased energy efficiency plus a laminated pane for added safety and protection from fade-causing UV rays. Snowload glass can also be combined with other energy efficient options for even greater performance.

Dealer & installer locator

### Benefits

- High energy efficiency results in a more comfortable living environment and money savings on utility bills.
- Meets ENERGY STAR® approval guidelines for all climatic regions of the US.
- NFRC rating is substantially better than required by most common building codes.
- · Provides three times more protection against solar heat gain.
- Resists condensation twice as long as clear glass.
- Protects interior spaces by reflecting the vast majority of the sun's fade causing rays.

### Features

Snowload glass is a LoE3, argon gas-filled glass designed for safety and maximum energy efficiency.

### Availability

Snowload glass is available in select sizes for deck mounted VELUX skylights including:

- Electric venting deck mounted skylight (VSE skylight)
- Manual venting deck mounted skylight (VS skylight)
- Fixed deck mounted skylights (FS skylight)

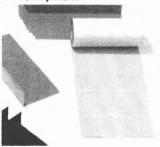
### Sizes

See our skylight sizes in our literature library for details.

### Warranty

We stand behind our products with a promise of lasting service. All VELUX insulated glazing units (IGUs) are backed by our 20 year warranty. For details, download our procedures

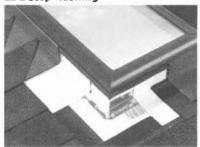
### Underlayment



This roofing underlayment is an alternative to roofing felt that wraps the skylight or roof window to provide added protection from extreme weather conditions. This is especially important in areas where ice and snow accumulate on the roof.

Dealer & installer locator

### **EDL** step flashing



EDL step flashing provides a weathertight seal for <u>deck mounted skylights</u> or <u>roof windows</u> installed on roofs with thin roofing materials such as asphalt or fiberglass shingles, slate, cedar shingles and shakes\*.

Each piece of step flashing is interwoven with a layer of roofing material for proper water drainage. No caulk or sealants are needed. Type EDL for skylights is designed for roofs with slopes from 14° (3:12) to 85° (137:12). Type EDL for roof windows is designed for roof pitches required by GPL and GDL.

 $\mbox{*}$  ZZZ 200 additional step flashing pieces required for shakes and other thick roofing material

Dealer & installer locator

THE RESERVED

EDL instructions for skylights EDL instructions for roof windows