This product has been determined to satisfy NCC Performance Requirement P2.1.1 for structural stability and resistance.

TABLE 1:	
VELUX FCM SKYLIGHT MODEL /SIZE CODE	MAXIMUM ALLOWABLE ULTIMATE DESIGN WIND PRESSURE FOR SKYLIGHT SUPPORT FRAMING (kPa)
FCM 1430	10.00
FCM 2222	9.70
FCM 2230	9.70
FCM 2234	9.41
FCM 2246	9.70
FCM 2270	8.60
FCM 3030	7.27
FCM 3046	7.27
	-
FCM 3434	6.53
FCM 3446	6.67
FCM 4646	5.00

		5005 051/5511 15510
WIND	TERRAIN	ROOF GENERAL AREAS
REGION	CATEGORY	ULTIMATE DESIGN WIND
		PRESSURE (kPa)
	1	5.02
	2	3.92
С	2.5	3.35
	3	2.85
	4	2.33
	1	8.10
	2	6.34
D	2.5	5.42
	3	4.61
	4	3.76

NEW SKYLIGHT (NOTE 1)

(B2 ALL ROUND)

EXISTING ROOF BATTEN / PURLIN OR TOP HAT TO BE CUT FOR INSTALLATION

B1

B3

STOP PURLIN AT SKYLIGHT FRAMING. CONNECT AS DOCUMENTED

TYPICAL STEEL FRAMED INSTALLATION

ROOF TRUSS

SCALE NIS

GENERAL NOTES

- G1 ALL DIMENSIONS RELEVANT TO SETTING OUT AND OFF-SITE WORK SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION AND FABRICATION IS COMMENCED. THE ENGINEER'S DRAWINGS SHALL NOT BE SCALED.
- G2 DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION AND ENSURING THAT NO PART IS OVER STRESSED UNDER CONSTRUCTION ACTIVITIES. TEMPORARY PROPPING SHALL BE PROVIDED AS REQUIRED. THE CONTRACTOR IS TO ALLOW FOR ALL TEMPORARY PROPPING.
- WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE RELEVANT CURRENT STANDARDS INCLUDING ALL AMENDMENTS, AND THE LOCAL STATUTORY AUTHORITY, REGULATIONS ETC, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
- G4 ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
- G5 WHERE DETAILS OF THE EXISTING STRUCTURE ARE SHOWN, THEY ARE TYPICAL ONLY FOR A GENERAL BUILDING TYPE. THE CONTRACTOR SHALL CONFIRM DETAILS OF THE EXISTING STRUCTURE, WHICH MAY VARY
- G6 OBTAIN NECESSARY PERMITS AND APPROVALS FROM RELEVANT AUTHORITIES BEFORE COMMENCING WORK ON-SITE.
- G7 THESE DRAWINGS DO NOT DETAIL TEMPORARY WORKS. CONSTRUCTION METHODS AND TEMPORARY WORKS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- G8 MAKE GOOD ANY DAMAGE TO EXISTING ELEMENTS AT COMPLETION OF WORKS

STRUCTURAL STEELWORK NOTES

- S1 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 4100 (STEEL STRUCTURES) AND AS 1554 (WELDING CODE).
- S2 ALL SHS/RHS MEMBERS TO COMPLY WITH AS1163-C450LO
- S3 THE ENDS OF ALL SHS/RHS MEMBERS SHALL BE SEALED WITH 3mm PLATES WITH CONTINUOUS FILLET WELDS UNLESS OTHERWISE SHOWN.
- S4 ALL FIXINGS, BOLTS, NUTS, FASTENERS SHALL BE HOT DIP GALVANISED U.N.O
- S5 ALL INTERNAL STEELWORK SHALL BE GRIT BLASTED TO CLASS 2.5 TO AS 1627 AND COATED WITH ONE SHOP COAT OF INORGANIC ZINC SILICATE (75 um THICKNESS MIN)
- S6 ALL SELF DRILLING SCREWS TO AS3566, CORROSION RESISTANCE CLASS 4 U.N.O.

Product Name VELUX FCM - FIXED "CURB" MOUNTED
DOUBLE GLAZED SKYLIGHT SUPPORT
FRAMING

Product Description

VELUX FCM SKYLIGHT

FOR STEEL FRAME CONSTRUCTION

Manufacturer's Details

VELUX AUSTRALIA PTY LTD

78 HENDERSON ROAD, ALEXANDRIA, NSW 2015

Design Criteria

ULTIMATE DESIGN WIND PRESSURES TABULATED IN TABLE 2 HAVE BEEN CALCULATED IN ACCORDANCE WITH AS/NZS 1170.2:2011 USING THE **PARAMETERS** STATED BELOW. THE PRESSURES ARE APPLICABLE TO GENERAL ROOF AREAS WHERE THE LOCAL PRESSURE FACTOR (KI) = 1.0. IN AND AWAY FROM FDGES AND CORNERS MAXIMUM ROOF HEIGHT < 8.5M Md (WIND DIRECTION MULTIPLIER) = 1.0 Ms (SHIELDING MULTIPLIER) = 1.0 Mt (TOPOGRAPHIC MULTIPLIER) = 1.0 Cpe (EXTERNAL PRESSURE COEFFICIENT) = -0.9 Cpi (INTERNAL PRESSURE COEFFICIENT) = +0.7 KI (LOCAL PRESSURE COEFFICIENT) = 1.0 Kc (COMBINATION FACTOR) = 0.9 ROOF ANGLE α <35°

THE BUILDING DESIGNER OR ENGINEER SHALL CALCULATE THE SITE SPECIFIC ULTIMATE DESIGN WIND ROOF PRESSURE FOR THE BUILDING WITH DUE CONSIDERATION OF THE TERRAIN CATEGORY, SHIELDING AND TOPOGRAPHY. THE ULTIMATE DESIGN WIND PRESSURE SHALL BE CALCULATED IN ACCORDANCE WITH EITHER AS/NZS 1170.2:2011 OR AS 4055-2012 AS DEEMED APPLICABLE FOR THE BUILDING STRUCTURE. THE SKYLIGHT SELECTED FROM TABLE 1 SHALL HAVE A MAXIMUM ALLOWABLE ULTIMATE DESIGN WIND PRESSURE GREATER THAN THE SITE SPECIFIC ULTIMATE DESIGN WIND ROOF PRESSURE CALCULATED BY THE BUILDING DESIGNER OR ENGINEER.

NOTE: IT IS LIKELY THAT SOME SKYLIGHTS WILL NOT BE SUITABLE FOR PARTICULAR SITES.

Limitations

I. SKYLIGHT SHALL BE INSTALLED IN ACCORDANCE WITH THE ENGINEERING DRAWINGS AND VELUX INSTALLATION MANUAL TO ENSURE A WATERTIGHT INSTALLATION IS ACHIEVED. COMPLY WITH AS1562.1-1992 (R2016) - DESIGN AND INSTALLATION OF SHEETS AND WALL CLADDING

DOCUMENT TITLE	HOW TO ACCESS
VELUX PRODUCT INSTRUCTION NUMBER 302192	AVAILABLE FROM VELUX UPON REQUEST
INSTRUCTION NUMBER VAS 452195	AVAILABLE FROM WEBSITE
21.FCMA21.0A0.61	AVAILABLE FROM VELUX UPON REQUEST

 THIS DRAWING IS FOR THE SKYLIGHT SUPPORT FRAMING ONLY AS DOCUMENTED ON SHEETS 1 TO 6 INCLUSIVE AND EXCLUDES THE ALUMINIUM SKYLIGHT FRAMING ITSELF

Accepted for inclusion in Deemed to Comply Manual

DTCM drawing number: M/118/01-06 DRAWING SHEET 1 of 6 REV. 3

TOWN GRAWING SHEET TO BE REV. S

Notes covering basis of DTC (Relevant test reports etc)

- 1. IAN BENNIE AND ASSOCIATES TEST REPORT NUMBER 2009-098-S6.
 FIXED SKYLIGHT FCM 4646 0004B CYCLONIC AND NONCYCLONIC TESTS
 TO AS4285 2007 FOR VELUX (AUST) PTY LTD. JANUARY 2010
- CALDERONE AND ASSOCIATES PTY LTD.
 SKYLIGHT GLASS REPORT FOR VELUX AUSTRALIA PTY LTD.
 DECEMBER 2014

Checking Engineer

Name: ELISHA HARRIS
Registration Number: 211370ES

Date: 07-12-2021

Signature: Shocking

Wust be an Australian registered structural enginee

Certifying Engineer

Name: GRAEME BURMEISTER

NT Registration Number: 25995ES

Date: 07-12-2021

Signature:

Must be a registered structural engineer in the Northern Territo

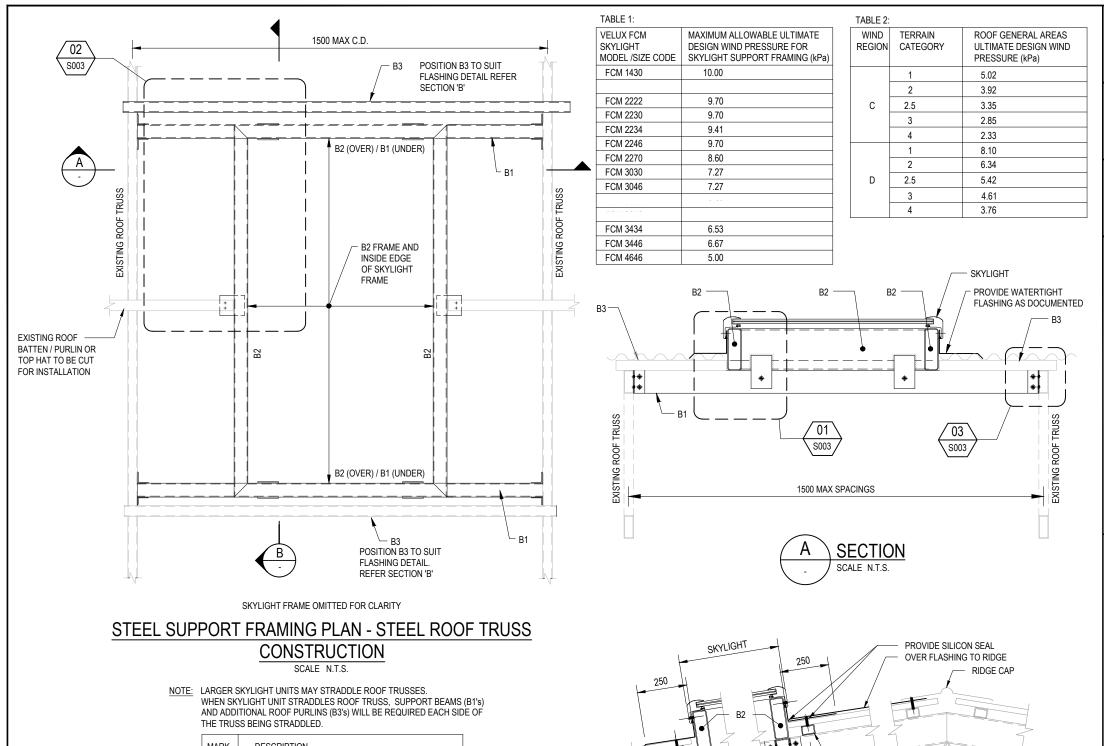
Chairperson Name: Paul Nowland

Chairperson Signature:

Date of Approval: 13/12/2021 Expiry

Expiry Date: 13/12/2026

This product has been determined to satisfy NCC Performance Requirement P2.1.1 for structural stability and resistance.



MARK	DESCRIPTION
B1	100x50x2.0 RHS TRIMMER FRAMING BEAM. REFER TO CONNECTION DETAIL FOR FIXING.
B2	150x50x2.0 RHS UPSTAND FRAMING BEAM. REFER TO CONNECTION DETAIL FOR FIXING.
В3	ADDITIONAL PURLIN TO MATCH ROOF PURLINS

IAN BENNIE AND ASSOCIATES TEST REPORT NUMBER 2009-098-S6

TO AS4285 - 2007 FOR VELUX (AUST) PTY LTD. JANUARY 2010

FIXED SKYLIGHT - FCM 4646 0004B CYCLONIC AND NONCYCLONIC TESTS

SKYLIGHT TO BE FIXED WITH BUILDEX METAL TEKS, 10g SELF DRILLING SCREWS. FIXING IN ACCORDANCE WITH VELUX PRODUCT INSTRUCTION NUMBER 302192 AND INSTRUCTION NUMBER VAS 452195

100 NEW B3 PURLIN TO MATCH EXISTING NEW B3 PURI IN TO MATCH EXISTING SECTION

Checking Engineer

Name: FLISHA HARRIS

Registration Number: 211370ES

07-12-2021 Date:

Signature:

Eflareis Aust be an Australian registered structural enginee **Certifying Engineer**

Name: GRAFMF BURMFISTER

NT Registration Number: 25995ES

07-12-2021 Date:

Signature:

Must be a registered structural engineer in the Northern Territo

Product Name VELUX FCM - FIXED "CURB" MOUNTED DOUBLE GLAZED SKYLIGHT SUPPORT FRAMING

Product Description

VELUX FCM SKYLIGHT

FOR STEEL FRAME CONSTRUCTION

Manufacturer's Details

VELUX AUSTRALIA PTY LTD

Design Criteria

ULTIMATE DESIGN WIND PRESSURES TABULATED IN TABLE 2 HAVE BEEN CALCULATED IN ACCORDANCE WITH AS/NZS 1170.2:2011 USING THE **PARAMETERS** STATED BELOW. THE PRESSURES ARE APPLICABLE TO GENERAL ROOF AREAS WHERE THE LOCAL PRESSURE FACTOR (KI) = 1.0, IN AND AWAY FROM FDGES AND CORNERS MAXIMUM ROOF HEIGHT < 8.5M Md (WIND DIRECTION MULTIPLIER) = 1.0 Ms (SHIELDING MULTIPLIER) = 1.0 Mt (TOPOGRAPHIC MULTIPLIER) = 1.0 Cpe (EXTERNAL PRESSURE COEFFICIENT) = -0.9 Cpi (INTERNAL PRESSURE COEFFICIENT) = +0.7 KI (LOCAL PRESSURE COEFFICIENT) = 1.0 Kc (COMBINATION FACTOR) = 0.9 ROOF ANGLE α <35°

THE BUILDING DESIGNER OR ENGINEER SHALL CALCULATE THE SITE SPECIFIC ULTIMATE DESIGN WIND ROOF PRESSURE FOR THE BUILDING WITH DUE CONSIDERATION OF THE TERRAIN CATEGORY SHIELDING AND TOPOGRAPHY. THE ULTIMATE DESIGN WIND PRESSURE SHALL BE CALCULATED IN ACCORDANCE WITH EITHER AS/NZS 1170.2:2011 OR AS 4055-2012 AS DEEMED APPLICABLE FOR THE BUILDING STRUCTURE. THE SKYLIGHT SELECTED FROM TABLE 1 SHALL HAVE A MAXIMUM ALLOWABLE ULTIMATE DESIGN WIND PRESSURE GREATER THAN THE SITE SPECIFIC ULTIMATE DESIGN WIND ROOF PRESSURE CALCULATED BY THE BUILDING DESIGNER OR

NOTE: IT IS LIKELY THAT SOME SKYLIGHTS WILL NOT BE SUITABLE FOR PARTICULAR SITES.

Limitations

SKYLIGHT SHALL BE INSTALLED IN ACCORDANCE WITH THE ENGINEERING DRAWINGS AND VELUX INSTALLATION MANUAL TO ENSURE A WATERTIGHT INSTALLATION IS ACHIEVED. COMPLY WITH AS1562.1-1992 (R2016) - DESIGN AND INSTALLATION OF SHEETS AND WALL CLADDING

DOCUMENT TITLE	HOW TO ACCESS
VELUX PRODUCT INSTRUCTION NUMBER 302192	AVAILABLE FROM VELUX UPON REQUEST
INSTRUCTION NUMBER VAS 452195	AVAILABLE FROM WEBSITE
21.FCMA21.0A0.61	AVAILABLE FROM VELUX UPON REQUEST

THIS DRAWING IS FOR THE SKYLIGHT SUPPORT FRAMING ONLY AS DOCUMENTED ON SHEETS 1 TO 6 INCLUSIVE AND EXCLUDES THE ALUMINIUM SKYLIGHT FRAMING ITSELF

Accepted for inclusion in Deemed to Comply Manual

DTCM drawing number: M/118/01-06 DRAWING SHEET 2 of 6 REV. 3

Chairperson Name: Paul Nowland

Chairperson Signature:

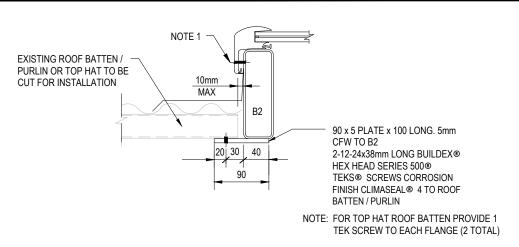
Expiry Date: 13/12/2026 Date of Approval: 13/12/2021

CALDERONE AND ASSOCIATES PTY LTD. SKYLIGHT GLASS REPORT FOR VELUX AUSTRALIA PTY LTD

Notes covering basis of DTC (Relevant test reports etc)

5 DECEMBER 2014

This product has been determined to satisfy NCC Performance Requirement P2.1.1 for structural stability and resistance.



PURLIN CONNECTION DETAIL (STEEL)

B2

75

EXISTING ROOF BATTEN

OR TOP HAT

FULLY WELDED FRAME B2.

REFER DETAIL 02

B2

B3

B1

VELUX FCM	MAXIMUM ALLOWABLE ULTIMATE
SKYLIGHT	DESIGN WIND PRESSURE FOR
MODEL /SIZE CODE	SKYLIGHT SUPPORT FRAMING (kPa)
FCM 1430	10.00
FCM 2222	9.70
FCM 2230	9.70
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FCM 2246	9.70
FCM 2270	8.60
FCM 3030	7.27
FCM 3046	7.27
	- *-
FCM 3434	6.53
FCM 3446	6.67
FCM 4646	5.00

POSITION B3 TO SUIT

FULLY WELDED FRAME (B2).

MITRE AND FPBW

DETAIL

FLASHING DETAIL

TABLE 2:		
WIND REGION	TERRAIN CATEGORY	ROOF GENERAL AREAS ULTIMATE DESIGN WIND PRESSURE (kPa)
	1	5.02
	2	3.92
С	2.5	3.35
	3	2.85
	4	2.33
	1	8.10
	2	6.34
D	2.5	5.42
	3	4.61
	4	3.76

Product Name VELUX FCM - FIXED "CURB" MOUNTED

DOUBLE GLAZED SKYLIGHT SUPPORT

FRAMING

Product Description

VELUX FCM SKYLIGHT

FOR STEEL FRAME CONSTRUCTION

Manufacturer's Details

VELUX AUSTRALIA PTY LTD

78 HENDERSON ROAD, ALEXANDRIA, NSW 2015

Design Criteria

ULTIMATE DESIGN WIND PRESSURES TABULATED IN TABLE 2 HAVE BEEN CALCULATED IN ACCORDANCE WITH AS/NZS 1170.2:2011 USING THE PARAMETERS STATED BELOW. THE PRESSURES ARE APPLICABLE TO GENERAL ROOF AREAS WHERE THE LOCAL PRESSURE FACTOR (KI) = 1.0, IN AND AWAY FROM EDGES AND CORNERS. MAXIMUM ROOF HEIGHT < 8.5M Md (WIND DIRECTION MULTIPLIER) = 1.0 Ms (SHIELDING MULTIPLIER) = 1.0 Mt (TOPOGRAPHIC MULTIPLIER) = 1.0 Cpe (EXTERNAL PRESSURE COEFFICIENT) = -0.9 Cpi (INTERNAL PRESSURE COEFFICIENT) = +0.7 KI (LOCAL PRESSURE COEFFICIENT) = 1.0 Kc (COMBINATION FACTOR) = 0.9 ROOF ANGLE α <35°

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Limitations

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DOCUMENT TITLE	HOW TO ACCESS
VELUX PRODUCT INSTRUCTION NUMBER 302192	AVAILABLE FROM VELUX UPON REQUEST
INSTRUCTION NUMBER VAS 452195	AVAILABLE FROM WEBSITE
21.FCMA21.0A0.61	AVAILABLE FROM VELUX UPON REQUEST

 THIS DRAWING IS FOR THE SKYLIGHT SUPPORT FRAMING ONLY AS DOCUMENTED ON SHEETS 1 TO 6 INCLUSIVE AND EXCLUDES THE ALUMINIUM SKYLIGHT FRAMING ITSELF

Accepted for inclusion in Deemed to Comply Manual

DTCM drawing number: M/118/01-06_{DRAWING SHEET 3 of 6} REV. 3

Notes covering basis of DTC (Relevant test reports etc)

3mm PLATE, GRADE 250, 75mm WIDE x 120 LONG. 3CFW TO EACH SIDE OF B2. 1-12-24x38mm LONG BUILDEX® HEX HEAD SERIES 500® TEKS®

SCREWS CORROSION FINISH CLIMASEAL® 4 TO B1

EACH SIDE AT EACH CORNER OF B2.

50mm CLEAR HEIGHT - (MIN). B2 MAY VARY TO

SUIT. MINIMUM SIZE OF

B2 AS PER THIS

- 1. IAN BENNIE AND ASSOCIATES TEST REPORT NUMBER 2009-098-S6.
 FIXED SKYLIGHT FCM 4646 0004B CYCLONIC AND NONCYCLONIC TESTS
 TO AS4285 2007 FOR VELUX (AUST) PTY LTD. JANUARY 2010
- CALDERONE AND ASSOCIATES PTY LTD.
 SKYLIGHT GLASS REPORT FOR VELUX AUSTRALIA PTY LTD.
 DECEMBER 2014



Name: ELISHA HARRIS

Registration Number: 211370ES

Date: 07-12-2021
Signature:

Signature: Efficierics

Australian registered structural enginee

Certifying Engineer

Name: GRAEME BURMEISTER

NT Registration Number: 25995ES

Date: 07-12-2021
Signature:

Must be a registered structural engineer in the Northern Territory

2 OFF 40 x 3.0EA x 100 LONG ONE EACH SIDE OF B1. 2-12-24x38mm

LONG BUILDEX® HEX HEAD SERIES

500® TEKS® SCREWS CORROSION

FINISH CLIMASEAL® 4 TO RT AND

B1, BOTH SIDES. 8 SCREWS TOTAL

EXISTING ROOF TRUSS

TOP CHORD (RT)

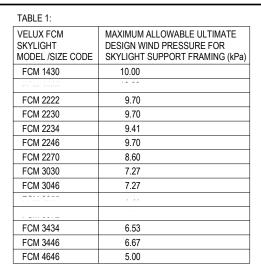
Chairperson Name:

Chairperson Signature:

Paul Nowland

Date of Approval: 13/12/2021 Expiry Date: 13/12/2026

This product has been determined to satisfy NCC Performance Requirement P2.1.1 for structural stability and resistance.



EXISTING ROOF SHEETING

OVER FLASHING TO RIDGE. LAP

UNDER RIDGE CAPPING

STOP PURLIN AT

FXISTING

SKYLIGHT FRAMING CONNECT AS

TABLE 2:		
WIND REGION	TERRAIN CATEGORY	ROOF GENERAL AREAS ULTIMATE DESIGN WIND PRESSURE (kPa)
	1	5.02
	2	3.92
С	2.5	3.35
	3	2.85
	4	2.33
	1	8.10
	2	6.34
D	2.5	5.42
	3	4.61
	4	3.76

Product Name VELUX FCM - FIXED "CURB" MOUNTED DOUBLE GLAZED SKYLIGHT SUPPORT FRAMING

Product Description

VELUX FCM SKYLIGHT

FOR TIMBER FRAME CONSTRUCTION

Manufacturer's Details

ULTIMATE DESIGN WIND PRESSURES

VELUX AUSTRALIA PTY LTD

Design Criteria

Limitations

WALL CLADDING

DOCUMENT TITLE

TABULATED IN TABLE 2 HAVE BEEN CALCULATED IN ACCORDANCE WITH AS/NZS 1170.2:2011 USING THE **PARAMETERS** STATED BELOW. THE PRESSURES ARE APPLICABLE TO GENERAL ROOF AREAS WHERE THE LOCAL PRESSURE FACTOR (KI) = 1.0. IN AND AWAY FROM FDGES AND CORNERS MAXIMUM ROOF HEIGHT < 8.5M Md (WIND DIRECTION MULTIPLIER) = 1.0 Ms (SHIELDING MULTIPLIER) = 1.0 Mt (TOPOGRAPHIC MULTIPLIER) = 1.0 Cpe (EXTERNAL PRESSURE COEFFICIENT) = -0.9 Cpi (INTERNAL PRESSURE COEFFICIENT) = +0.7 KI (LOCAL PRESSURE COEFFICIENT) = 1.0 Kc (COMBINATION FACTOR) = 0.9 ROOF ANGLE α <35°

THE BUILDING DESIGNER OR ENGINEER SHALL CALCULATE THE SITE SPECIFIC ULTIMATE DESIGN WIND ROOF PRESSURE FOR THE BUILDING WITH DUE CONSIDERATION OF THE TERRAIN CATEGORY SHIELDING AND TOPOGRAPHY. THE ULTIMATE DESIGN WIND PRESSURE SHALL BE CALCULATED IN ACCORDANCE WITH EITHER AS/NZS 1170.2:2011 OR AS 4055-2012 AS DEEMED APPLICABLE FOR THE BUILDING STRUCTURE. THE SKYLIGHT SELECTED FROM TABLE 1 SHALL HAVE A MAXIMUM ALLOWABLE ULTIMATE DESIGN WIND PRESSURE GREATER THAN THE SITE SPECIFIC ULTIMATE DESIGN WIND ROOF PRESSURE CALCULATED BY THE BUILDING DESIGNER OR

NOTE: IT IS LIKELY THAT SOME SKYLIGHTS WILL NOT BE SUITABLE FOR PARTICULAR SITES.

GENERAL NOTES

- ALL DIMENSIONS RELEVANT TO SETTING OUT AND OFF-SITE WORK SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION AND FABRICATION IS COMMENCED. THE ENGINEER'S DRAWINGS SHALL NOT BE SCALED.
- DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION AND ENSURING THAT NO PART IS OVER STRESSED UNDER CONSTRUCTION ACTIVITIES. TEMPORARY PROPPING SHALL BE PROVIDED AS REQUIRED. THE CONTRACTOR IS TO ALLOW FOR ALL TEMPORARY
- WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE RELEVANT CURRENT STANDARDS INCLUDING ALL AMENDMENTS, AND THE LOCAL STATUTORY AUTHORITY, REGULATIONS ETC, EXCEPT WHERE VARIED BY THE CONTRACT
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE
- WHERE DETAILS OF THE EXISTING STRUCTURE ARE SHOWN, THEY ARE TYPICAL ONLY FOR A GENERAL BUILDING TYPE. THE CONTRACTOR SHALL CONFIRM DETAILS OF THE EXISTING STRUCTURE, WHICH MAY VARY
- OBTAIN NECESSARY PERMITS AND APPROVALS FROM RELEVANT AUTHORITIES BEFORE COMMENCING WORK ON-SITE.
- THESE DRAWINGS DO NOT DETAIL TEMPORARY WORKS. CONSTRUCTION METHODS AND TEMPORARY WORKS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- MAKE GOOD ANY DAMAGE TO EXISTING ELEMENTS AT COMPLETION OF WORKS

TIMBER NOTES

- T1 DESIGN, WORKMANSHIP AND MATERIALS TO BE TO AS1720, AS1684, AS5604 AND AS/NZS1604, AS/NZS 4357 INCLUDING BRACING, BLOCKING, TIE DOWNS, etc.
- ALL TIMBER SHALL BE STRUCTURAL LAMINATED VENEER LUMBER MANUFACTURED IN ACCORDANCE WITH AS/NZS 4357 fb = 48MPa
- TIMBER VISIBLE IN FINAL WORKS TO BE APPEARANCE GRADE. ENSURE EXPOSED SURFACES OF TIMBER ACCESSIBLE TO PUBLIC IN FINISHED WORKS ARE SMOOTH, FREE OF DEFECTS INCLUDING SHAKES, SPLITS etc. AND DO NOT PRESENT A SAFETY HAZARD.
- PROTECT TIMBER FROM WEATHER DURING CONSTRUCTION, INCLUDING ERECTED PRE-DRILL HOLES AT 0.8 x NAIL DIAMETER IN HARDWOODS AND AREAS SUBJECT TO
- T6 ALL SELF DRILLING SCREWS TO AS3566, CORROSION RESISTANCE CLASS 4 U.N.O.

21.FCMA21.0A0.61 AVAILABLE FROM VELUX UPON REQUEST

THIS DRAWING IS FOR THE SKYLIGHT SUPPORT FRAMING ONLY AS DOCUMENTED ON SHEETS 1 TO 6 INCLUSIVE AND EXCLUDES THE ALUMINIUM SKYLIGHT FRAMING ITSELF

SKYLIGHT SHALL BE INSTALLED IN ACCORDANCE WITH THE

VELUX PRODUCT INSTRUCTION NUMBER

INSTRUCTION NUMBER VAS 452195

ENGINEERING DRAWINGS AND VELUX INSTALLATION MANUAL TO ENSURE A WATERTIGHT INSTALLATION IS ACHIEVED. COMPLY WITH

AS1562.1-1992 (R2016) - DESIGN AND INSTALLATION OF SHEETS AND

Accepted for inclusion in Deemed to Comply Manual

HOW TO ACCESS

AVAILABLE FROM WEBSITE

AVAILABLE FROM VELUX UPON REQUEST

DTCM drawing number: M/118/01-06DRAWING SHEET 4 of 6 REV. 3

Notes covering basis of DTC (Relevant test reports etc)

IAN BENNIE AND ASSOCIATES TEST REPORT NUMBER 2009-098-S6. FIXED SKYLIGHT - FCM 4646 0004B CYCLONIC AND NONCYCLONIC TESTS TO AS4285 - 2007 FOR VELUX (AUST) PTY LTD. JANUARY 2010

TYPICAL TIMBER FRAMED INSTALLATION

ROOF PURLINS (TYP) BY

JOIST MANUFACTURER

NEW SKYLIGHT (NOTE 1)

B2 (ALL ROUND)

EXISTING TIMBER ROOF

BATTEN OR STEEL TOP

HAT ROOF BATTEN TO BE

CUT FOR INSTALLATION

CALDERONE AND ASSOCIATES PTY LTD. SKYLIGHT GLASS REPORT FOR VELUX AUSTRALIA PTY LTD 5 DECEMBER 2014

Checking Engineer

Name: FLISHA HARRIS Registration Number: 211370ES

07-12-2021 Date: Signature:

lust be an Australian registered structural engineer

Certifying Engineer Name: GRAFMF BURMFISTER

NT Registration Number: 25995ES

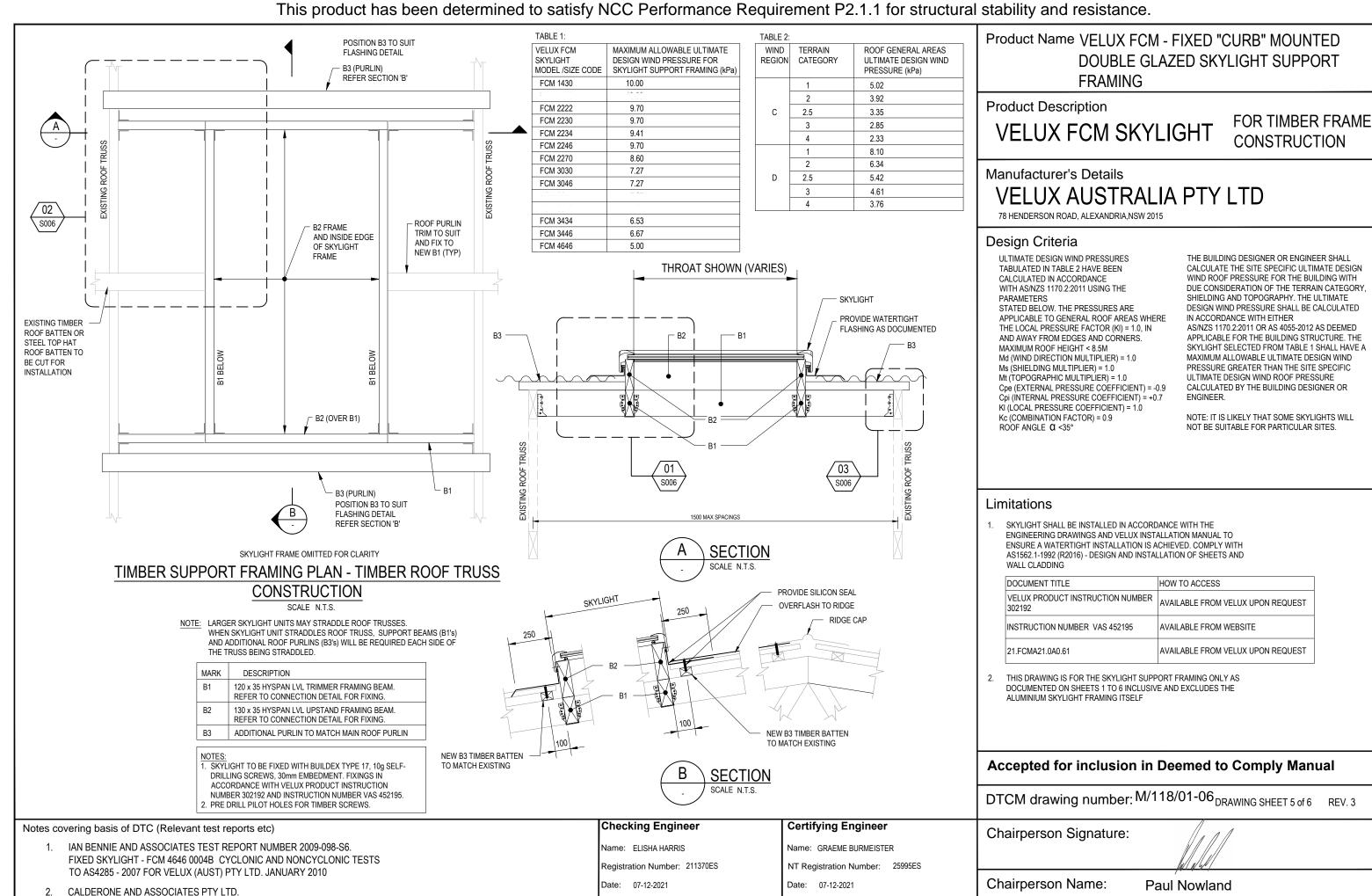
Date: 07-12-2021 Signature:

Must be a registered structural engineer in the Northern Territo

Chairperson Name: Paul Nowland

Chairperson Signature:

Expiry Date: 13/12/2026 Date of Approval: 13/12/2021



Signature:

Eflareis

Aust be an Australian registered structural enginee

Signature:

Must be a registered structural engineer in the Northern Territo

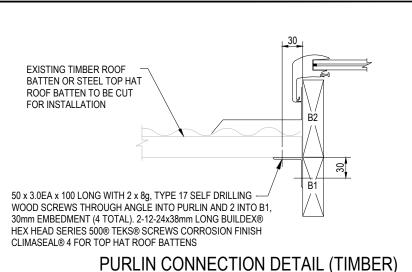
Expiry Date: 13/12/2026

Date of Approval: 13/12/2021

SKYLIGHT GLASS REPORT FOR VELUX AUSTRALIA PTY LTD

5 DECEMBER 2014

This product has been determined to satisfy NCC Performance Requirement P2.1.1 for structural stability and resistance.



2 x 8g, TYPE 17 SELF DRILLING WOOD SCREWS

THROUGH END GRAIN OF UPSTAND FRAME B2. MINIMIMUM 30mm EMBEDMENT INTO END GRAIN. CENTRAL TO END GRAIN OF B2, 20MM EDGE DISTANCE MINIMUM TO TOP / BOTTOM EDGE

MITEK JOIST HANGER JH35120. 12 x MITEK 30 x 2.8 HD GALV NAILS TO SUPPORTING

MEMBER. 12 x MITEK 30 x 2.8 HD GALV NAILS

TO SUPPORTED MEMBER. INSTALL AS PER

MANUFACTURERS REQUIREMENTS.

CORNER. INSTALL 75mm FROM END

OF TIMBER FRAME 3 x MITEK 30 x 2.8

BEAM (6 TOTAL). NAIL IN LOCATIONS

MANUFACTURERS REQUIREMENTS.

NAIL PLATE MAY BE PLACED ON

HD GALV NAILS TO EACH TIMBER

SHOWN . INSTALL AS PER

INSIDE FACE IF REQUIRED

TABLE 1:	
VELUX FCM	MAXIMUM ALLOWABLE ULTIMATE
SKYLIGHT	DESIGN WIND PRESSURE FOR
MODEL /SIZE CODE	SKYLIGHT SUPPORT FRAMING (kPa)
FCM 1430	10.00
FCM 2222	9.70
FCM 2230	9.70
FCM 2234	9.41
FCM 2246	9.70
FCM 2270	8.60
FCM 3030	7.27
FCM 3046	7.27
	
FCM 3434	6.53
FCM 3446	6.67
FCM 4646	5.00

B3 CONNECTION TO ROOF TRUSS TO

MATCH TYPICAL PURLIN CONNECTION

WIND REGION	TERRAIN CATEGORY	ROOF GENERAL AREAS ULTIMATE DESIGN WIND PRESSURE (kPa)
	1	5.02
	2	3.92
С	2.5	3.35
	3	2.85
	4	2.33
	1	8.10
	2	6.34
D	2.5	5.42
	3	4.61
	4	3.76

Product Name VELUX FCM - FIXED "CURB" MOUNTED DOUBLE GLAZED SKYLIGHT SUPPORT FRAMING

Product Description

VELUX FCM SKYLIGHT

FOR TIMBER FRAME CONSTRUCTION

Manufacturer's Details

ULTIMATE DESIGN WIND PRESSURES

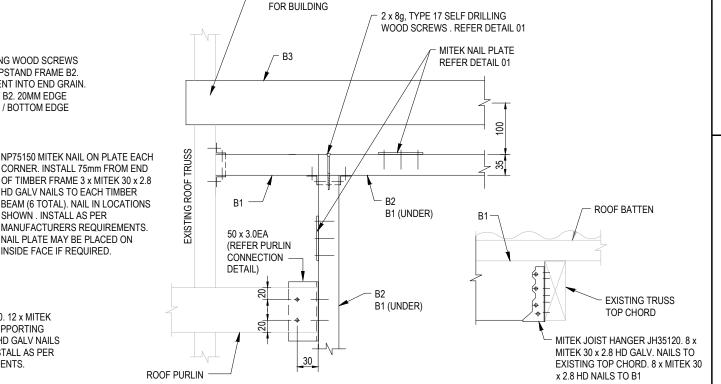
VELUX AUSTRALIA PTY LTD

Design Criteria

TABULATED IN TABLE 2 HAVE BEEN CALCULATED IN ACCORDANCE WITH AS/NZS 1170.2:2011 USING THE PARAMETERS STATED BELOW. THE PRESSURES ARE APPLICABLE TO GENERAL ROOF AREAS WHERE THE LOCAL PRESSURE FACTOR (KI) = 1.0, IN AND AWAY FROM EDGES AND CORNERS. MAXIMUM ROOF HEIGHT < 8.5M Md (WIND DIRECTION MULTIPLIER) = 1.0 Ms (SHIELDING MULTIPLIER) = 1.0 Mt (TOPOGRAPHIC MULTIPLIER) = 1.0 Cpe (EXTERNAL PRESSURE COEFFICIENT) = -0.9 Cpi (INTERNAL PRESSURE COEFFICIENT) = +0.7 KI (LOCAL PRESSURE COEFFICIENT) = 1.0 Kc (COMBINATION FACTOR) = 0.9 ROOF ANGLE α <35°

THE BUILDING DESIGNER OR ENGINEER SHALL CALCULATE THE SITE SPECIFIC ULTIMATE DESIGN WIND ROOF PRESSURE FOR THE BUILDING WITH DUE CONSIDERATION OF THE TERRAIN CATEGORY SHIELDING AND TOPOGRAPHY. THE ULTIMATE DESIGN WIND PRESSURE SHALL BE CALCULATED IN ACCORDANCE WITH EITHER AS/NZS 1170.2:2011 OR AS 4055-2012 AS DEEMED APPLICABLE FOR THE BUILDING STRUCTURE. THE SKYLIGHT SELECTED FROM TABLE 1 SHALL HAVE A MAXIMUM ALLOWABLE ULTIMATE DESIGN WIND PRESSURE GREATER THAN THE SITE SPECIFIC ULTIMATE DESIGN WIND ROOF PRESSURE CALCULATED BY THE BUILDING DESIGNER OR

NOTE: IT IS LIKELY THAT SOME SKYLIGHTS WILL NOT BE SUITABLE FOR PARTICULAR SITES.



Limitations

SKYLIGHT SHALL BE INSTALLED IN ACCORDANCE WITH THE ENGINEERING DRAWINGS AND VELUX INSTALLATION MANUAL TO ENSURE A WATERTIGHT INSTALLATION IS ACHIEVED. COMPLY WITH AS1562.1-1992 (R2016) - DESIGN AND INSTALLATION OF SHEETS AND WALL CLADDING

DOCUMENT TITLE	HOW TO ACCESS
VELUX PRODUCT INSTRUCTION NUMBER 302192	AVAILABLE FROM VELUX UPON REQUEST
INSTRUCTION NUMBER VAS 452195	AVAILABLE FROM WEBSITE
21.FCMA21.0A0.61	AVAILABLE FROM VELUX UPON REQUEST

THIS DRAWING IS FOR THE SKYLIGHT SUPPORT FRAMING ONLY AS DOCUMENTED ON SHEETS 1 TO 6 INCLUSIVE AND EXCLUDES THE ALUMINIUM SKYLIGHT FRAMING ITSELF

Accepted for inclusion in Deemed to Comply Manual

DTCM drawing number: M/118/01-06DRAWING SHEET 6 of 6 REV. 3

Chairperson Signature:

Chairperson Name: Paul Nowland

Expiry Date: 13/12/2026 Date of Approval: 13/12/2021

Notes covering basis of DTC (Relevant test reports etc)

NOTE 1

50mm CLEAR HEIGHT-

MIN. B2 MAY VARY

TO SUIT MINIMUM

SIZE OF B2 AS PER

B3

В1

THIS DRAWING

IAN BENNIE AND ASSOCIATES TEST REPORT NUMBER 2009-098-S6. FIXED SKYLIGHT - FCM 4646 0004B CYCLONIC AND NONCYCLONIC TESTS TO AS4285 - 2007 FOR VELUX (AUST) PTY LTD. JANUARY 2010

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CALDERONE AND ASSOCIATES PTY LTD. SKYLIGHT GLASS REPORT FOR VELUX AUSTRALIA PTY LTD 5 DECEMBER 2014

Checking Engineer

Name: FLISHA HARRIS

Registration Number: 211370ES

07-12-2021 Date:

Signature:

Eflareis Aust be an Australian registered structural engineer Signature:

Date:

Certifying Engineer

Name: GRAFMF BURMFISTER

07-12-2021

NT Registration Number: 25995ES

Must be a registered structural engineer in the Northern Territo

SCALE N.T.S