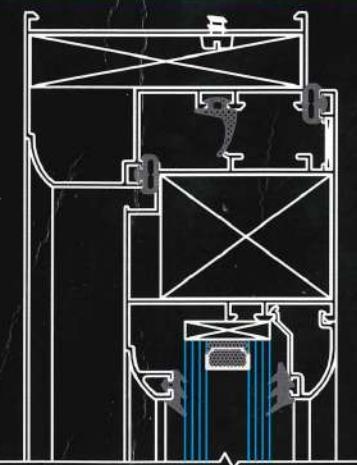
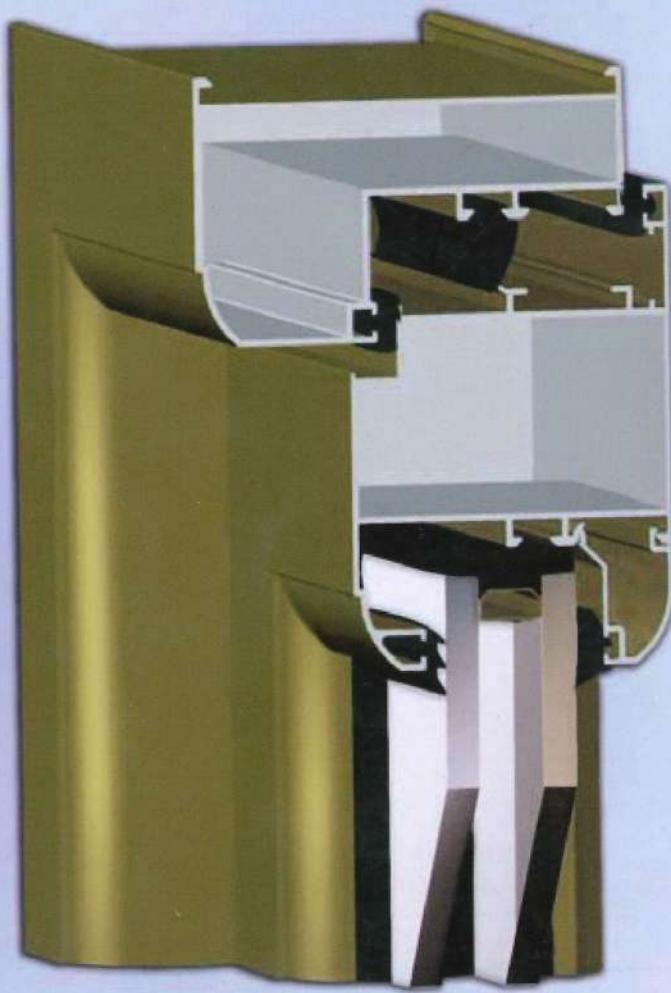
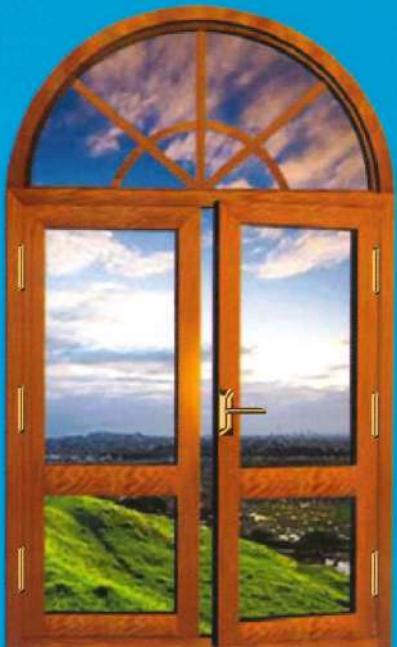


AL-WIN 80

Casement Series



GLAZE TECH
System Solution Providers



البيت لسبائك الألمنيوم ذ.م.م.
Elite Extrusion LLC

Innovative System Solution
For Aluminum Extrusion

INTRODUCTION

Glazing Technology International System (GLAZETECH) are one of the leading aluminium architectural solution providers through innovative system and special component designing.

After the successful launch of Elegant 65® Glazing System and Thermos 110 System GLAZETECH is now proud to introduce a high performance, AL-WIN 80® Casement System

AL-WIN 80® has superior features and characteristics that will answer to the region's harsh climatic, wind load and pressure challenges.

In this 80mm. Series, doors and windows, there are options for arches and architraves.

The system's high performance is guaranteed as the profiles are extruded at Elite Extrusions, LLC - Ras Al Khaimah, which is equipped with latest all European manufacturing facilities, and is controlled by highly qualified and experienced personnel which are directly.

The system is designed to be compatible with standard Eurogroove accessories and is carefully tailored to limit the use to optimum numbers of accessories per unit.

Right from the design stage, the ease of fabrication requirements are ensured so that the system can be fabricated within shortest possible lead time. The technical design of the product meets all the statutory and regulatory requirements followed in aluminium and glass fabrications.

Last but not the least, GLAZETECH would be ever happy to render technical assistance to all its clients and customers upon requests.

At GLAZETECH, we firmly believe in building relationship and partnership by constant dialogues and interactions with Architects, Consultants, Contractors, Fabricators and the End Users. We now invite you to derive benefits of ALWIN-80® for your profitable, durable and prestigious projects.

The AL-WIN 80® patent system catalogue is protected and is the exclusive property of Glazing Technology International System. Copying / re producing partially or fully of this catalogue without written approval is illegal.

This is an updated version of the catalogue and supersedes the earlier issue. Customers are requested to refer and order base only on this updated version 2013-14.

AL-WIN 80[®] CASEMENT SERIES

Contents

Windows, Doors Elevation and Cutting List

Page 01-26

Sections Assembly Details

Page 27-73

Section's (Profile's) Drawings

Page 74-81

Sections Moment of Inertia Details

Page 82-82

Accessories

Page 83-83

EPDM Gaskets

Page 84-84



1. General Parameters

AI-Win 80 Window Sample		
TEST SEQUENCE		
Test 1	Air Infiltration Test	ASTM E 283-04
Test 2	Static Water Penetration Test	ASTM E 331-00
Test 3	Structural Performance Serviceability Test	ASTM E 330-14
Test 4	Air Infiltration Test	ASTM E 283-04
Test 5	Static Water Penetration Test	ASTM E 331-00
Test 6	Structural Performance Safety Test	ASTM E 330-14

RELEVANT INFORMATION	
Type	Bottom Hung Window
Materials	
Glass Type	Double Glazed, 24 mm thick
Specimen Size	987mm height by 682mm width
Flat/Curve	Flat and vertical

Client	-n.a.
Main Contractor	-n.a.
Alum. Contractor	GLOBAL PIONEER ALUMINIUM INDUSTRIES LLC
System Supplier	M/S ELITE EXTRUSION LLC, POBOX 86025, RAS AL KHAIMAH, UAE
Consultant	-n.a.

2. Witnesses

NAME	COMPANY	TELEPHONE
Lijo Lingson	Global Pioneer	050 151 7334

3. Test Result

Testing results were all recorded as mentioned below with reference to the test sheets attached, witnessed by representatives listed above during the course of testing.

4. Test Summary

4.1. Test History

No.	TEST	DATE & TIME	PASS / FAIL
1	Air Infiltration Test, ASTM 283-04	April 7, 2019 9:56 AM	PASSED

The specimen was blanketed off with polyethylene sheet to achieve the extraneous leakage Q_E , often referred to as chamber leakage. The blower was initially set to produce the required negative chamber pressure and after it has stabilized, the differential pressure in the conical inlet nozzles was read and this figure was converted to a volume flow in m^3/hr . The achieved leakage for the chamber and the specimen are listed below:

- Differential test pressure = 75 Pascals
- Permitted leakage = $1.08 \text{ m}^3/\text{hr}/\text{m}^2$
- Specimen Area = 0.66 m^2 openable unit



<ul style="list-style-type: none"> ▪ Total allowable leakage = $0.72 \text{ m}^3/\text{hr}$ <p>Results:</p> <p>Specimen sealed with polyethylene sheet, Extraneous air leakage (Q_E) = $26.50 \text{ m}^3/\text{hr}$</p> <ul style="list-style-type: none"> ▪ Total air leakage (Q_T) for chamber plus specimen = $26.75 \text{ m}^3/\text{hr}$ ▪ Specimen air leakage (Q_S) = $0.25 \text{ m}^3/\text{hr}$ at standard condition, less than the Permissible ($0.72 \text{ m}^3/\text{hr}$) and so the test was recorded passed. 																																
2	Static Water Penetration Test, ASTM E331-00	April 7, 2019 10:02 AM	PASSED																													
<p>The specimen was covered with 4 nozzles, each producing $1/3$ US gallons per minute of water volume flow (1.26 L/min), thus producing a total of 1.33 US gallons per minute of water spray (5.0 L/min), applied in the entire test specimen during the test.</p> <ul style="list-style-type: none"> ▪ Differential test pressure = 137 Pascal ▪ Test duration = 15 minutes <p>The casement system was tested with 15 minutes water spray and with the corresponding test pressure. No water leakage was observed. This test was recorded passed.</p>																																
3	Structural Performance Test, ASTM E330-14	April 7, 2019 10:20 AM	PASSED																													
<p>Five linear displacement transducers (LDT) were positioned in place along internal side of the specimen to measure deflection values of horizontal and vertical members of the specimen.</p> <p>Maximum deflection allowed was $L/175$, so obtained by deducting the average readings of the outermost gauges from the middle gauge of the member being measured.</p> <p>The following transducers were positioned as follows:</p> <table border="1"> <thead> <tr> <th>LDT Numbers</th><th>Location</th></tr> </thead> <tbody> <tr> <td>1-2-3</td><td>Along the mullion</td></tr> <tr> <td>3-4-5</td><td>Along the transom</td></tr> </tbody> </table> <p>The test procedure mentioned in the method statement was followed. The test was initially carried out in the positive wind load direction, i.e. negative chamber pressure (at $50\% = 360$ Pascals and at $100\% = 720$ Pascals). In the process of 100% load application, the load was held for 10 seconds at the maximum and deflections were recorded. After a recovery period of 1 minute residual deformations were taken. There was no visual failure noted and the maximum deflection readings were found within the allowable limit. Test was recorded passed.</p> <p>Immediately the negative wind load direction followed applied 50% of the negative wind load = 360 Pascal then at $100\% = 720$ Pascal (i.e. positive chamber pressure) was carried out in the same procedure. After completion of the test there were no adverse effect or any kind of failure noted on the specimen and the maximum deflections were found within allowable range and the test was recorded passed. The test result was reviewed and accepted by all parties.</p> <table border="1"> <thead> <tr> <th rowspan="2">Max. Applied Load, Pa</th><th colspan="2">L Value, mm</th><th colspan="2">Allowable Deflection $L / 175$, mm</th><th colspan="2">Max. Net Deflection Recorded along member, mm</th></tr> <tr> <th>1-2-3</th><th>3-4-5</th><th>1-2-3</th><th>3-4-5</th><th>1-2-3</th><th>3-4-5</th></tr> </thead> <tbody> <tr> <td>(+) 720</td><td rowspan="2">880</td><td rowspan="2">560</td><td rowspan="2">5.03</td><td rowspan="2">3.20</td><td>0.09</td><td>0.02</td></tr> <tr> <td>(-) 720</td><td>0.06</td><td>0.02</td></tr> </tbody> </table> <p>Refer to Structural performance test sheet for further reference.</p>				LDT Numbers	Location	1-2-3	Along the mullion	3-4-5	Along the transom	Max. Applied Load, Pa	L Value, mm		Allowable Deflection $L / 175$, mm		Max. Net Deflection Recorded along member, mm		1-2-3	3-4-5	1-2-3	3-4-5	1-2-3	3-4-5	(+) 720	880	560	5.03	3.20	0.09	0.02	(-) 720	0.06	0.02
LDT Numbers	Location																															
1-2-3	Along the mullion																															
3-4-5	Along the transom																															
Max. Applied Load, Pa	L Value, mm		Allowable Deflection $L / 175$, mm		Max. Net Deflection Recorded along member, mm																											
	1-2-3	3-4-5	1-2-3	3-4-5	1-2-3	3-4-5																										
(+) 720	880	560	5.03	3.20	0.09	0.02																										
(-) 720					0.06	0.02																										



4	Air Infiltration Test, ASTM 283-04 (Post Structural)	April 7, 2019 10:40 AM	PASSED						
The specimen was blanketed off with polyethylene sheet to achieve the extraneous leakage Q_E , often referred to as chamber leakage. The blower was initially set to produce the required negative chamber pressure and after it has stabilized, the differential pressure in the conical inlet nozzles was read and this figure was converted to a volume flow in m^3/hr . The achieved leakage for the chamber and the specimen are listed below:									
Results: Specimen sealed with polyethylene sheet, Extraneous air leakage (Q_E) = $30.98 \text{ m}^3/\text{hr}$ <ul style="list-style-type: none"> ▪ Total air leakage (Q_T) for chamber plus specimen = $31.09 \text{ m}^3/\text{hr}$ ▪ Specimen air leakage (Q_S) = $0.11 \text{ m}^3/\text{hr}$ at standard condition, less than the Permissible ($0.72 \text{ m}^3/\text{hr}$) and so the test was recorded passed. 									
5	Static Water Penetration Test, ASTM E331-00	April 7, 2019 10:44 AM	PASSED						
The specimen was covered with 4 nozzles, each producing $1/3$ US gallons per minute of water volume flow (1.26 L/min), thus producing a total of 1.33 US gallons per minute of water spray (5.0 L/min), applied in the entire test specimen during the test. <ul style="list-style-type: none"> ▪ Differential test pressure = 137 Pascal ▪ Test duration = 15 minutes The casement system was tested with 15 minutes water spray and with the corresponding test pressure. No water leakage was observed. This test was recorded passed.									
6	Structural Proof Load test, ASTM E 330-14	April 7, 2019 11:01 AM	PASSED						
Five linear displacement transducers (LDT) were kept in the same position. The deformation was obtained by deducting the average readings of the outermost gauges from the middle gauge of the member being measured. The following transducers were positioned the same as follows:									
<table border="1"> <thead> <tr> <th>LDT Numbers</th> <th>Location</th> </tr> </thead> <tbody> <tr> <td>1-2-3</td> <td>Along the Mullion</td> </tr> <tr> <td>3-4-5</td> <td>Along the Transom</td> </tr> </tbody> </table>				LDT Numbers	Location	1-2-3	Along the Mullion	3-4-5	Along the Transom
LDT Numbers	Location								
1-2-3	Along the Mullion								
3-4-5	Along the Transom								
The test was first carried out in the positive wind load direction, i.e. negative chamber pressure (at $75\% = 540$ Pascals and at $150\% = 1080$ Pascals). At the peak pressure of 150% load, the pressure was held for 10 seconds and deflections were recorded. After a recovery period of 1 minute residual deformations were taken. There was no visual failure noted and so the test was recorded passed.									
The test procedures were followed with the negative wind load direction, applied 540 Pascals at 75 % and 1080 Pascals at 150 % (i.e. positive chamber pressure). The test pressure at maximum 150% was sustained by the specimen without showing any breakage or adverse effect to constitute failure and the deformations of the framing members measured for reference.									
Max. Applied Load, kPa	L Value, mm		Allowable Deformation L / 500, mm						
	1-2-3	3-4-5	1-2-3 3-4-5						
(+) 1.08	880	560	1.76 1.12						
(-) 1.08			0.01 0.03						
Refer to Structural performance test sheet for further reference.									



4.2.Description of Modification or Adjustments

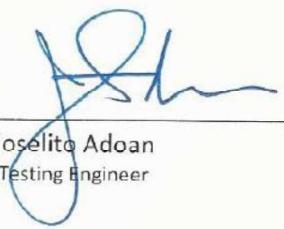
None.

4.3.Compliance Statement

The casement window – bottom hinged AL-WIN 80 was tested as described in this document as specified with the project requirements, with results of each test mentioned herein as recorded. The test results apply to the sample as received.

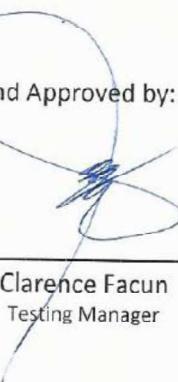
This Final Report is respectfully submitted by:
Thomas Bell-Wright International Consultants

Prepared By:



Joselito Adoan
Testing Engineer

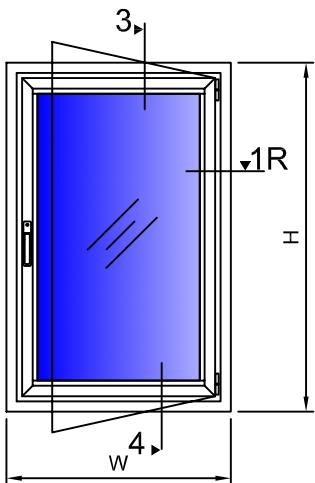
Reviewed and Approved by:



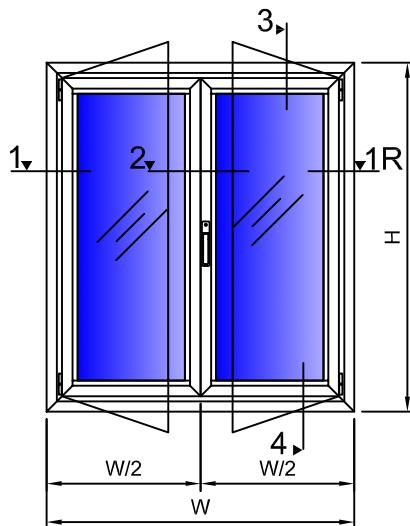
Clarence Facun
Testing Manager

AL-WIN 80® CASEMENT SERIES

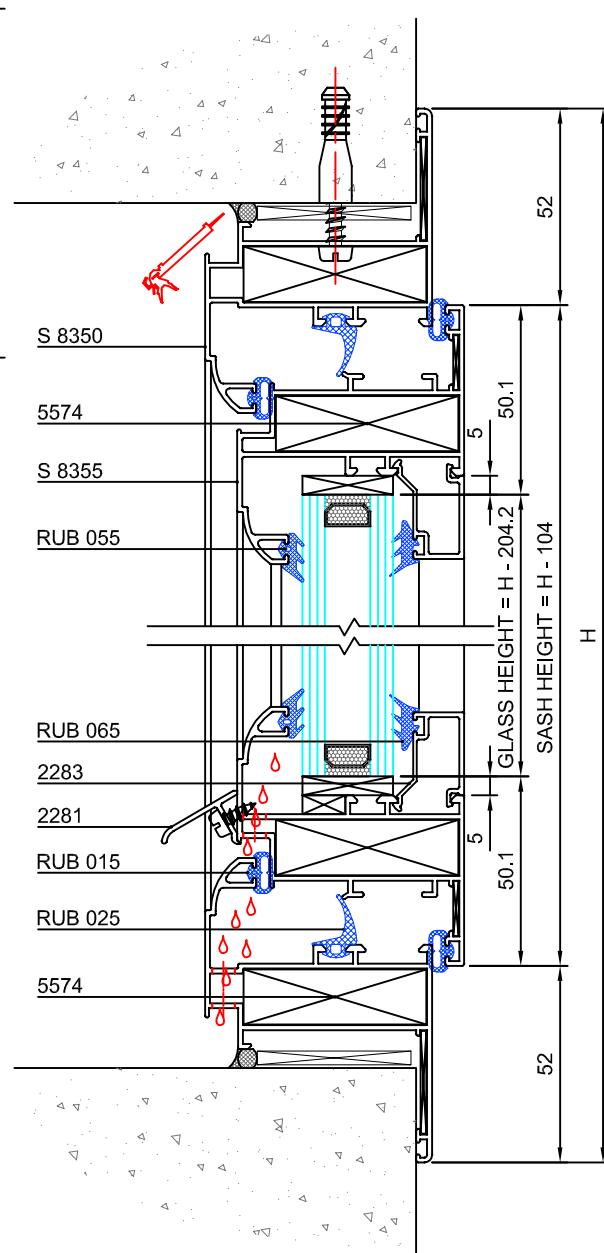
SIDE HUNG WINDOW INWARD OPENABLE



ELEVATION
SINGLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING



ELEVATION
DOUBLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING

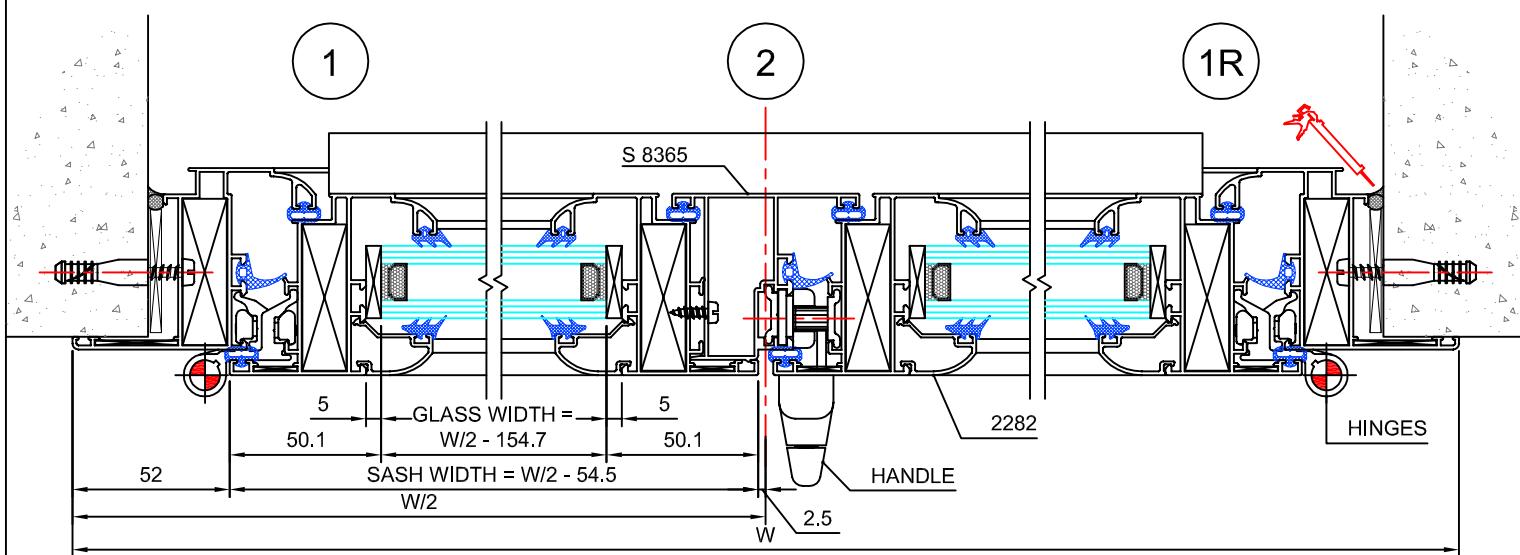


3

4

Exterior
Interior

Exterior

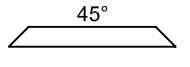
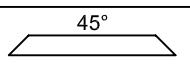
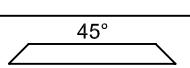
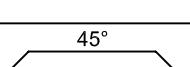
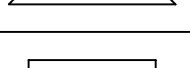
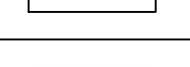
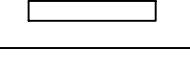
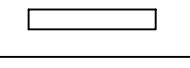
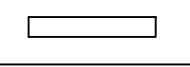
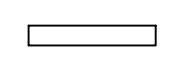
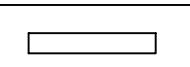


Interior

AL-WIN 80® CASEMENT SERIES

SIDE HUNG WINDOW INWARD OPENABLE

PROFILE CUTTING LIST

ITEM No.	DESCRIPTION & SECTION SHAPE	PROFILE No.	PROFILE CUTTING ANGLE	CUTTING SIZE	No. OF PIECES	REMARKS
1.	 FRAME WIDTH	S 8350		W	02	W
2.	 FRAME HEIGHT	S 8350		H	02	H
3.	 SASH WIDTH	S 8355		W/2 - 54.5	02	W - 104 (SINGLE WINDOW)
4.	 SASH HEIGHT				04	W/2 - 54.5 (DOUBLE WINDOW)
5.	 ADOPTER	S 8365		H - 104	02	(SINGLE WINDOW)
6.	 CONNECTING ROD	2310			04	(DOUBLE WINDOW)
7.	 DROPER WIDTH	2281		W - 169.5	01	
8.	 GL.CLIP WIDTH	2283			02	W - 194.2 (SINGLE WINDOW)
9.	 GL.CLIP HEIGHT			W/2 - 144.7	04	W/2 - 144.7 (DOUBLE WINDOW)
10.	 CORNER CLEAT FOR FRAME	5574			02	(SINGLE WINDOW)
11.	 CORNER CLEAT FOR SASH	5574		H - 238.2	04	(DOUBLE WINDOW)

ACCESSORIES LIST

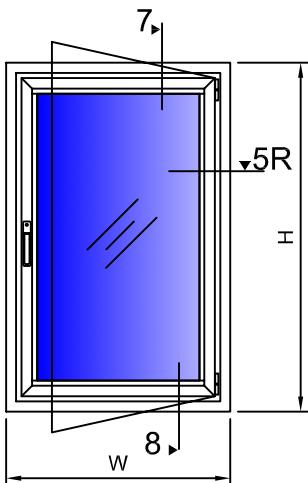
ITEM No.	ACCESSORY CODE No.	DESCRIPTION	FINISH	SINGLE LEAF	DOUBLE LEAF
1.	00120N	HINGES FOR OVERLAP	P. C	02	04
2.	01150	UNICA HANDLE	P. C	01	01
3.	04070	KIT FOR HANDLE (OPEN IN)	M. F	01	01
4.	0103	WING CLOSING PLUG	M. F	-	1 SET
5.	02111	FLUSH BOLT FOR COMBINED WING	M. F	-	1 SET
6.	A300	PLASTIC 5mm GL BLOCK	M. F	04	08
7.	2314	DRAIN HOLE COVER	M. F	02	03

E.P.D.M. GASKET LIST

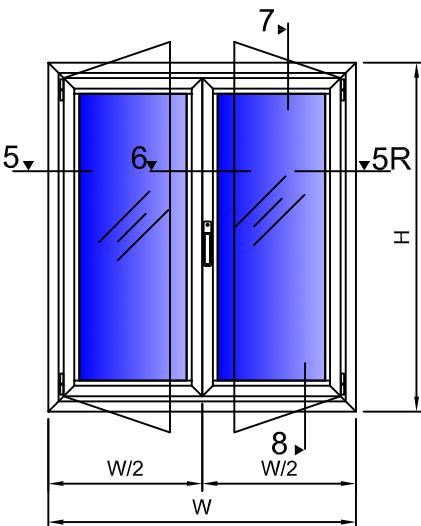
ITEM No.	GASKET CODE No.	DESCRIPTION	SINGLE LEAF	DOUBLE LEAF
1.	RUB 055	OUTER GASKET	2W + 2H	2W + 4H
2.	RUB 065	INNER GASKET	2W + 2H	2W + 4H
3.	RUB 015	IMPACT GASKET EXTERNAL	2W + 2H	2W + 4H
4.	RUB 025	CENTRE GASKET	2W + 2H	2W + 4H

AL-WIN 80® CASEMENT SERIES

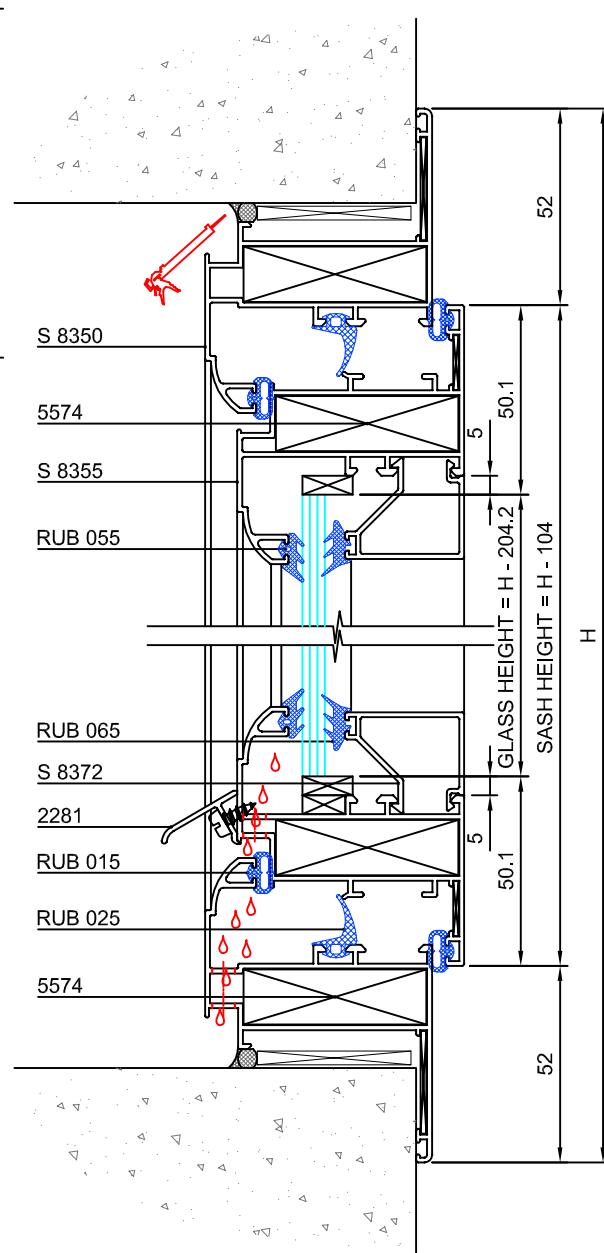
SIDE HUNG WINDOW INWARD OPENABLE



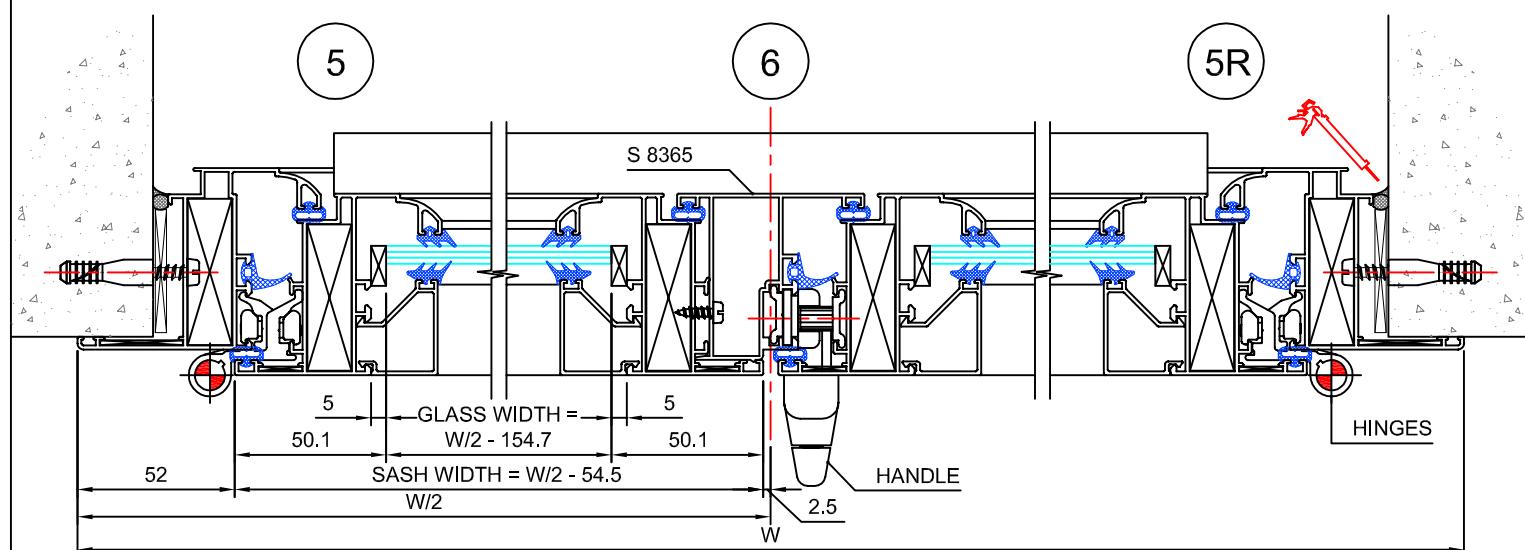
ELEVATION
SINGLE LEAF
(OPENING INSIDE)
SINGLE GLAZING



ELEVATION
DOUBLE LEAF
(OPENING INSIDE)
SINGLE GLAZING



Exterior

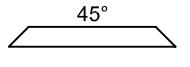
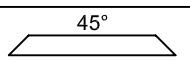
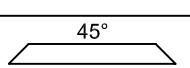
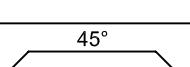
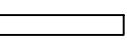
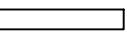
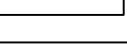
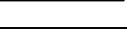
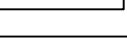
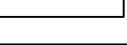


Interior

AL-WIN 80® CASEMENT SERIES

SIDE HUNG WINDOW INWARD OPENABLE

PROFILE CUTTING LIST

ITEM No.	DESCRIPTION & SECTION SHAPE	PROFILE No.	PROFILE CUTTING ANGLE	CUTTING SIZE	No. OF PIECES	REMARKS
1.	 FRAME WIDTH	S 8350		W	02	W
2.	 FRAME HEIGHT	S 8350		H	02	H
3.	 SASH WIDTH	S 8355		W/2 - 54.5	02	W - 104 (SINGLE WINDOW)
4.	 SASH HEIGHT				04	W/2 - 54.5 (DOUBLE WINDOW)
5.	 ADOPTER	S 8365		H - 104	02	(SINGLE WINDOW)
6.	 CONNECTING ROD	2310			04	(DOUBLE WINDOW)
7.	 DROPER WIDTH	2281		W - 169.5	01	
8.	 GL.CLIP WIDTH	S 8372			02	W - 194.2 (SINGLE WINDOW)
9.	 GL.CLIP HEIGHT			W/2 - 144.7	04	W/2 - 144.7 (DOUBLE WINDOW)
10.	 CORNER CLEAT FOR FRAME	5574		H - 238.2	02	(SINGLE WINDOW)
11.	 CORNER CLEAT FOR SASH	5574			04	(DOUBLE WINDOW)

ACCESSORIES LIST

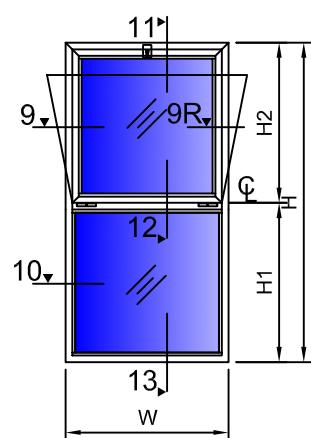
ITEM No.	ACCESSORY CODE No.	DESCRIPTION	FINISH	SINGLE LEAF	DOUBLE LEAF
1.	00120N	HINGES FOR OVERLAP	P. C	02	04
2.	01150	UNICA HANDLE	P. C	01	01
3.	04070	KIT FOR HANDLE (OPEN IN)	M. F	01	01
4.	0103	WING CLOSING PLUG	M. F	-	1 SET
5.	02111	FLUSH BOLT FOR COMBINED WING	M. F	-	1 SET
6.	A300	PLASTIC 5mm GL BLOCK	M. F	04	08
7.	2314	DRAIN HOLE COVER	M. F	02	03

E.P.D.M. GASKET LIST

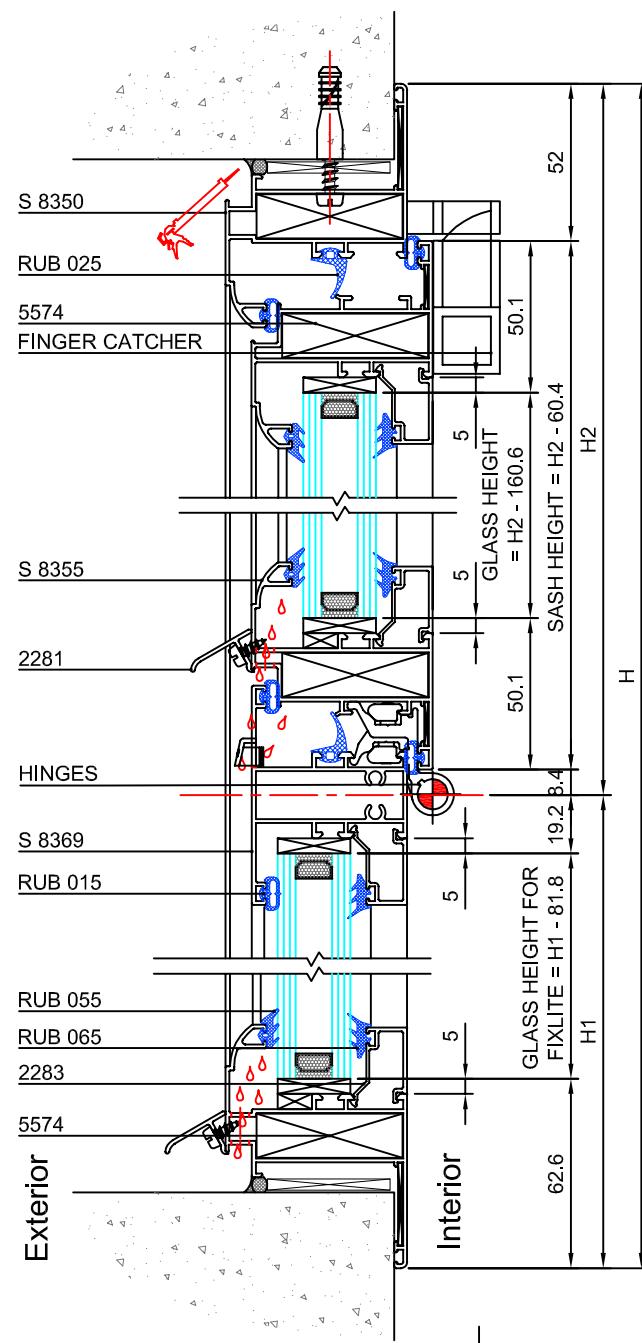
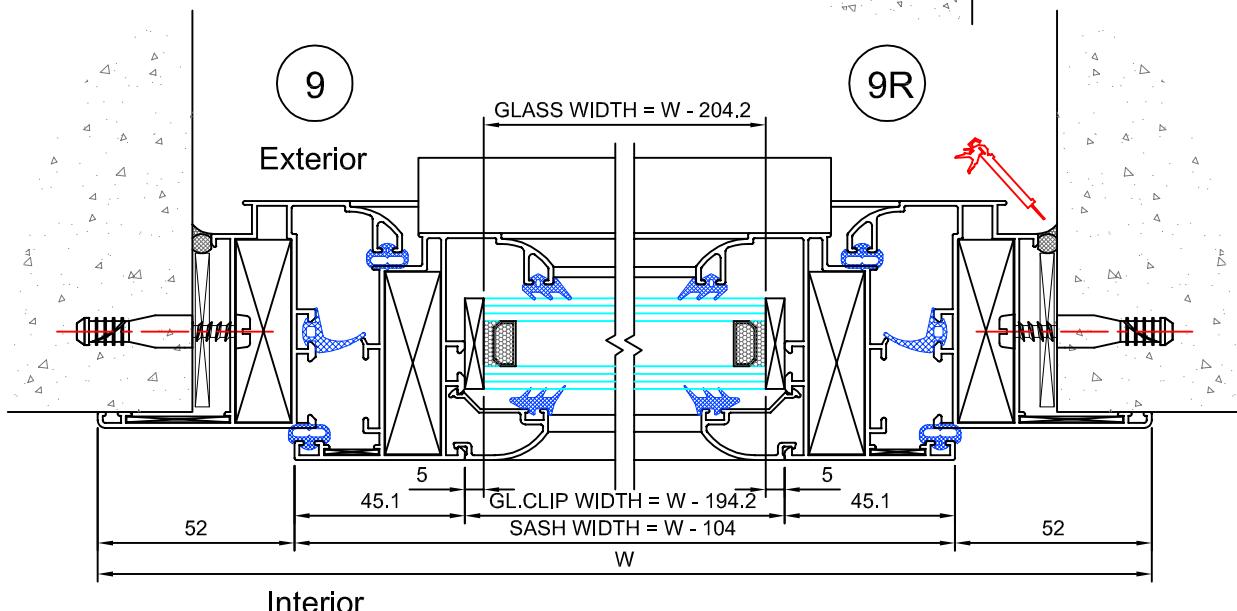
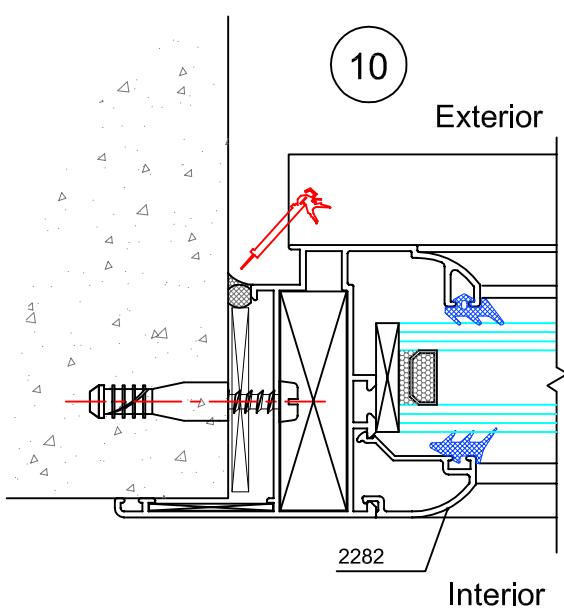
ITEM No.	GASKET CODE No.	DESCRIPTION	SINGLE LEAF	DOUBLE LEAF
1.	RUB 055	OUTER GASKET	2W + 2H	2W + 4H
2.	RUB 065	INNER GASKET	2W + 2H	2W + 4H
3.	RUB 015	IMPACT GASKET EXTERNAL	2W + 2H	2W + 4H
4.	RUB 025	CENTRE GASKET	2W + 2H	2W + 4H

AL-WIN 80® CASEMENT SERIES

SIDE HUNG WINDOW WITH BOTTOM FIXLITE



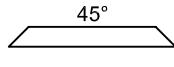
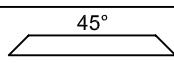
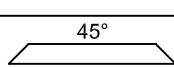
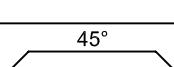
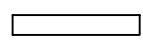
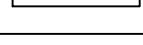
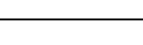
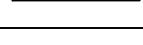
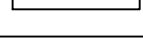
ELEVATION
SINGLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING



AL-WIN 80® CASEMENT SERIES

SIDE HUNG WINDOW WITH BOTTOM FIXLITE

PROFILE CUTTING LIST

ITEM No.	DESCRIPTION & SECTION SHAPE	PROFILE No.	PROFILE CUTTING ANGLE	CUTTING SIZE	No. OF PIECES	REMARKS
1.	 FRAME WIDTH	S 8350		W	02	W
2.	 FRAME HEIGHT	S 8350		H	02	H
3.	 SASH WIDTH	S 8355		W - 104	02	
4.	 SASH HEIGHT	S 8355		H2 - 60.4	02	
5.	 T SECTION	S 8369		W - 115.2	01	W - 115.2
6.	 DROPER WIDTH	2281		W - 76.6 W - 169.6	01 01	W - 76.6 FOR FIXLITE W - 169.6 FOR SASH
7.	 GL CLIP WIDTH	2283		W - 194.2 W - 115.2	02 02	W - 194.2 FOR SASH W - 115.2 FOR FIXLITE
8.	 GL CLIP HEIGHT	2282		H2 - 194.6 H1 - 115.8	02 02	H2 - 194.6 FOR SASH H1 - 115.8 FOR FIXLITE
9.	 CORNER CLEAT FOR FRAME	5574		48.2	04	MILLFINISH
10.	 CORNER CLEAT FOR SASH	5574		48.2	04	MILLFINISH

ACCESSORIES LIST

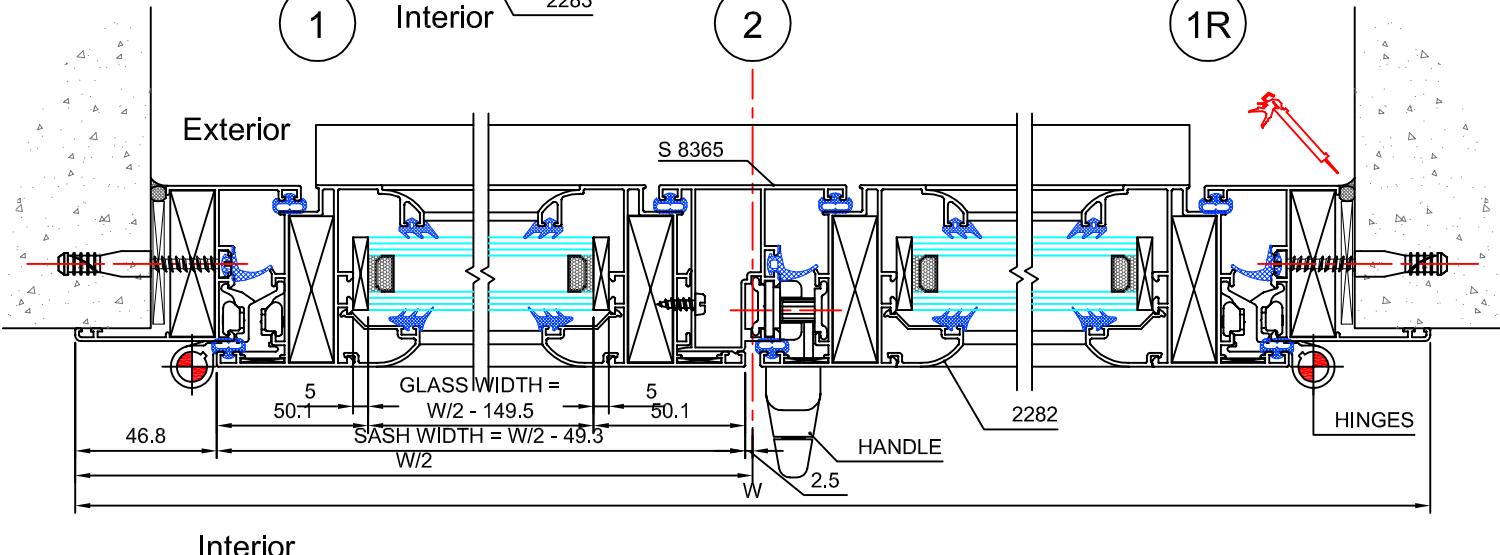
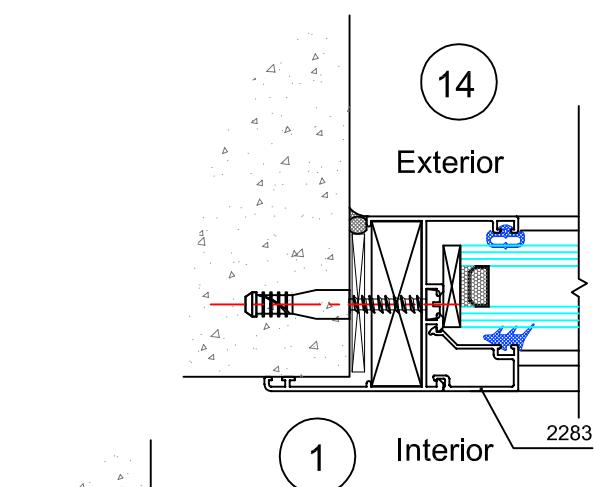
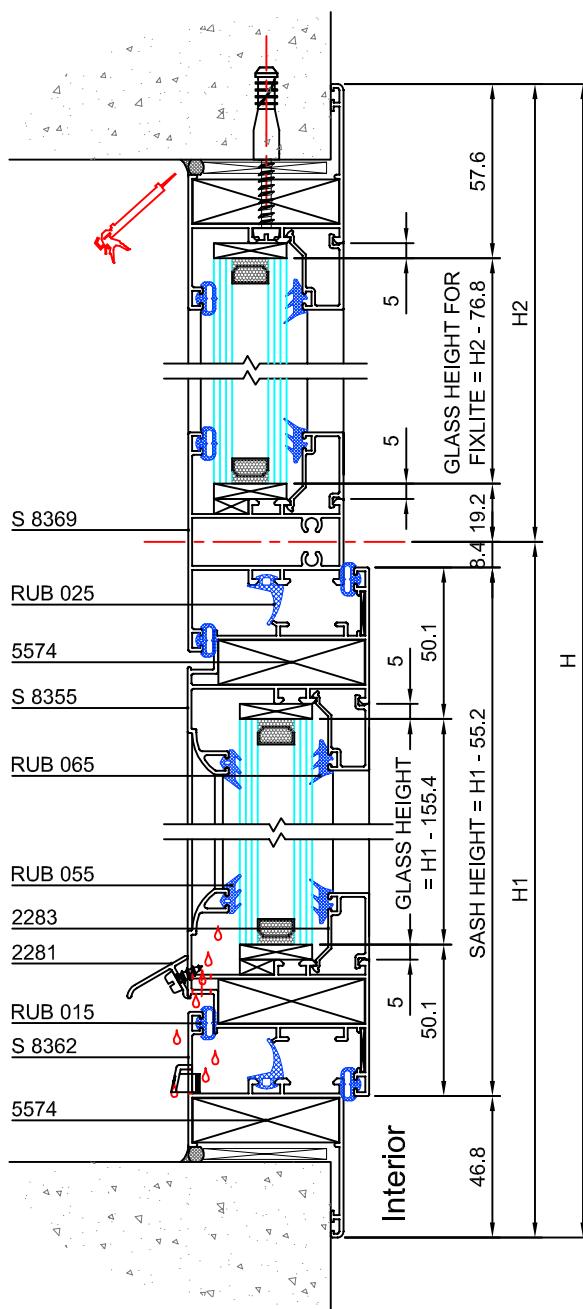
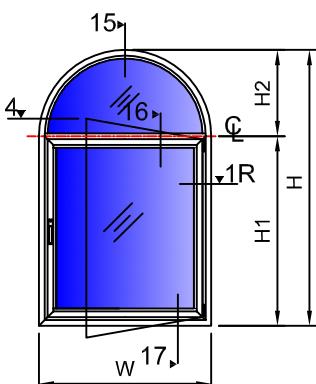
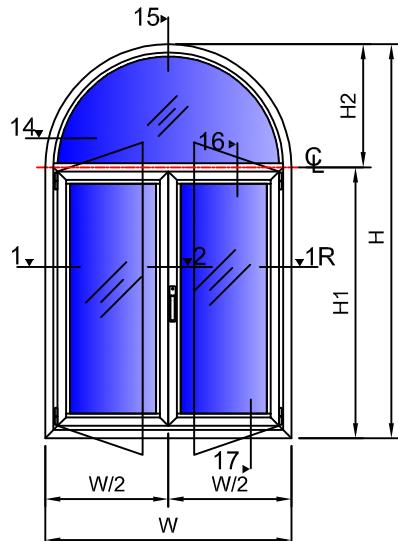
ITEM No.	ACCESSORY CODE No.	DESCRIPTION	FINISH	SINGLE LEAF
1.	00120N	HINGES FOR OVERLAP	P. C	02
2.	01701	FINGER CATCHER	P. C	01
3.	02040	STAY ARM	M. F	01 SET
4.	A300	PLASTIC 5mm GL BLOCK	M. F	08
5.	2314	DRAIN HOLE COVER	M. F	04

E.P.D.M. GASKET LIST

ITEM No.	GASKET CODE No.	DESCRIPTION	DOUBLE LEAF
1.	RUB 055	OUTER GASKET	4W + 2H
2.	RUB 065	INNER GASKET	4W + 2H
3.	RUB 015	IMPACT GASKET EXTERNAL	2W + 1H
4.	RUB 025	CENTRE GASKET	2W + 1H

AL-WIN 80® CASEMENT SERIES

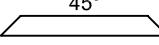
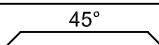
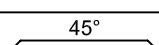
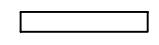
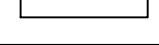
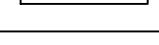
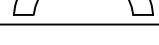
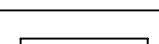
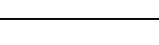
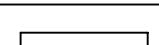
SIDE HUNG WINDOW WITH TOP ARCH



AL-WIN 80® CASEMENT SERIES

SIDE HUNG WINDOW WITH TOP ARCH

PROFILE CUTTING LIST

ITEM No.	DESCRIPTION & SECTION SHAPE	PROFILE No.	PROFILE CUTTING ANGLE	CUTTING SIZE	No. OF PIECES	REMARKS
1.	FRAME WIDTH	S 8362		W	01	
2.	FRAME (T4) HEIGHT	S 8362		H	01	2H1 + (3.14XD/2)
3.	SASH WIDTH	S 8355		W/2 - 49.3	02	W - 93.6 (SINGLE WINDOW)
4.	SASH HEIGHT	S 8355			04	W/2 - 49.3 (DOUBLE WINDOW)
5.	ADOPTER	S 8365		H1 - 55.2	01	
6.	T SECTION	S 8369		W - 105.2	01	W - 105.2
7.	CONNECTING ROD	2310		1 - H1	01	1H
8.	DROPER WIDTH	2281		W - 159.2	01	
9.	GL CLIP WIDTH	2283		W - 105.2	01	FOR FIXLITE
10.	GL CLIP HEIGHT	2283		H2	01	FOR FIXLITE
11.	GL CLIP WIDTH	2283		W/2 - 139.5	02	W - 183.8 (SINGLE WINDOW)
12.	GL CLIP HEIGHT	2282			04	W/2 - 139.5 (DOUBLE WINDOW)
13.	CORNER CLEAT FOR FRAME	5574		48.2	02	MILL FINISH
14.	CORNER CLEAT FOR SASH	5574		48.2	04	MILL FINISH (SINGLE WINDOW)
					08	MILL FINISH (DOUBLE WINDOW)

ACCESSORIES LIST

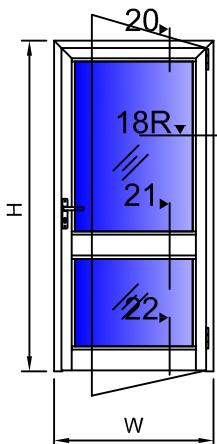
ITEM No.	ACCESSORY CODE No.	DESCRIPTION	FINISH	SINGLE LEAF	DOUBLE LEAF
1.	00120N	HINGES FOR OVERLAP	P. C	02	04
2.	01150	UNICA HANDLE	P. C	01	01
3.	04070	KIT FOR HANDLE (OPEN IN)	M. F	01	01
4.	0103	WING CLOSING PLUG	M. F	-	1 SET
5.	02111	FLUSH BOLT FOR COMBINED WING	M. F	-	1 SET
6.	A300	PLASTIC 5mm GL BLOCK	M. F	04	08
7.	2314	DRAIN HOLE COVER	M. F	02	03

E.P.D.M. GASKET LIST

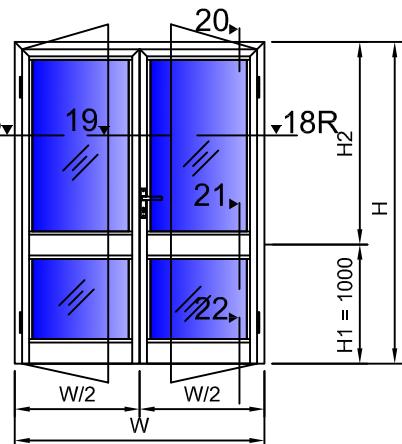
ITEM No.	GASKET CODE No.	DESCRIPTION	SINGLE LEAF	DOUBLE LEAF
1.	RUB 055	OUTER GASKET	5W + 2H	5W + 4H
2.	RUB 065	INNER GASKET	5W + 2H	5W + 4H
3.	RUB 015	IMPACT GASKET EXTERNAL	2W + 2H	2W + 4H
4.	RUB 025	CENTRE GASKET	2W + 2H	2W + 4H

AL-WIN 80® CASEMENT SERIES

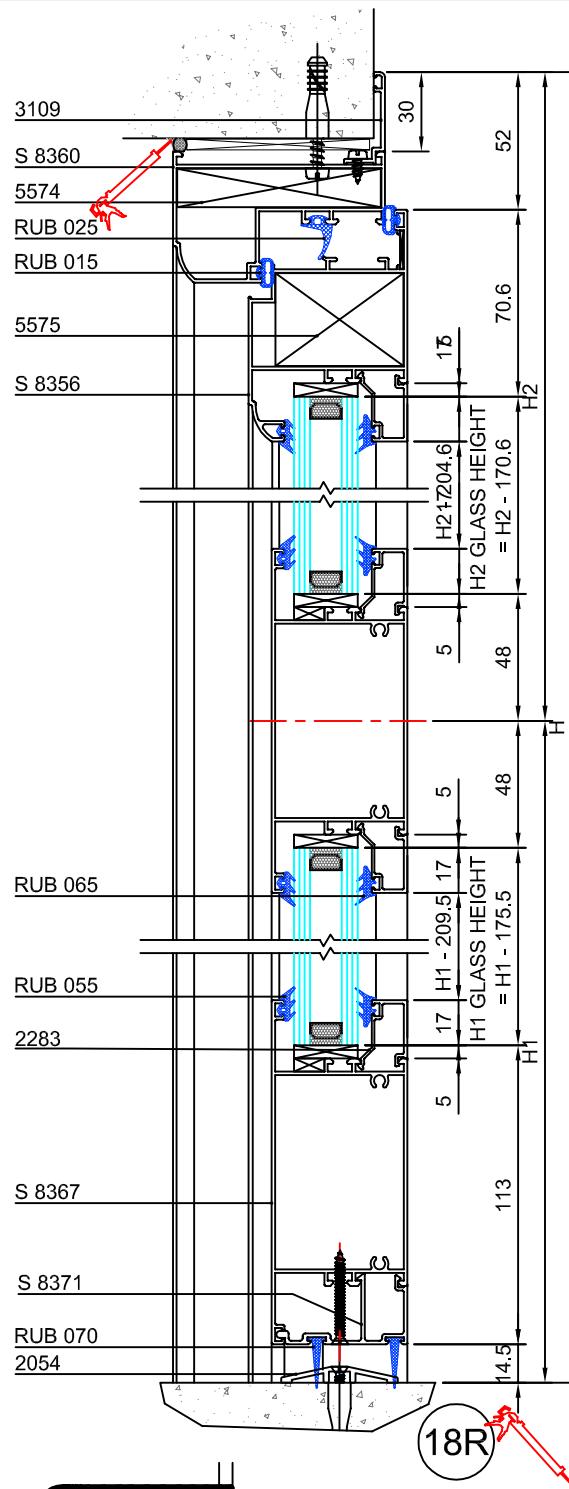
INWARD OPENING HINGED DOOR



ELEVATION
SINGLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING



ELEVATION
DOUBLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING



20

21

22

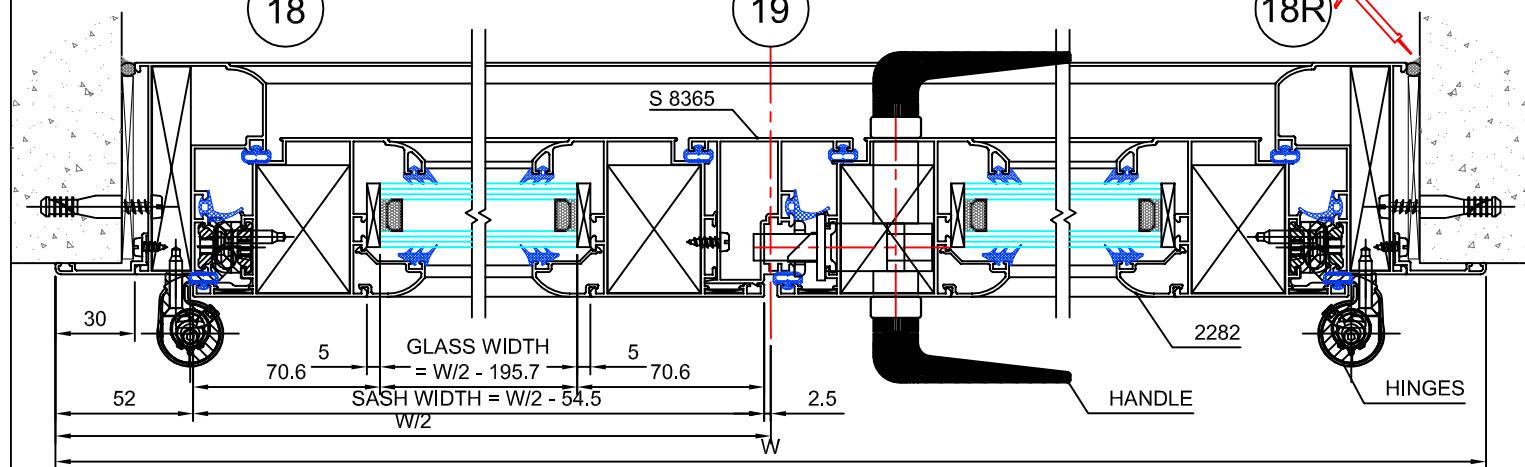
Interior

Exterior

18

19

18R



Interior

AL-WIN 80® CASEMENT SERIES

INWARD OPENING HINGED DOOR

PROFILE CUTTING LIST

ITEM No.	DESCRIPTION & SECTION SHAPE	PROFILE No.	PROFILE CUTTING ANGLE	CUTTING SIZE	No. OF PIECES	REMARKS
1.	FRAME WIDTH	S 8360	45°	W - 60	01	FOR SINGLE & DOUBLE DOOR
2.	FRAME HEIGHT	S 8360	45° 1 AS SHOWN 1 AS REVERSE	H - 30	02	FOR SINGLE & DOUBLE DOOR
3.	SASH WIDTH	S 8356	45°	W/2 - 54.5	01	W - 104 (SINGLE DOOR)
4.	SASH HEIGHT	S 8356	45° 2 AS SHOWN 2 AS REVERSE		02	H - 52 (SINGLE DOOR)
5.	ADOPTER	S 8365		H - 52	00	(SINGLE DOOR)
					01	H - 52 (DOUBLE DOOR)
6.	MIDRAIL WIDTH	S 8367		W/2 - 185.7	01	W - 235.2 (SINGLE DOOR)
					02	W/2 - 185.7 (DOUBLE DOOR)
7.	BOTTOMRAIL WIDTH	S 8367		W/2 - 185.7	01	W - 235.2 (SINGLE DOOR)
					02	W/2 - 185.7 (DOUBLE DOOR)
8.	BRUSH HOLDER	S 8371		W/2 - 185.7	01	W - 235.2 (SINGLE DOOR)
					02	W/2 - 185.7 (DOUBLE DOOR)
9.	THRESHOULD	2054		W - 105	01	
10.	GL CLIP WIDTH	2283		W/2 - 185.7	04	W - 235.2 (SINGLE DOOR)
					08	W/2 - 185.7 (DOUBLE DOOR)
11.	GL CLIP HEIGHT FOR H1	2282		H1 - 209.5	02	H1 - 209.5 (SINGLE DOOR)
12.	GL CLIP HEIGHT FOR H2	2282			04	H1 - 209.5 (SINGLE DOOR)
13.	CORNER CLEAT FOR FRAME	5574		77	02	H2 - 204.6 (SINGLE DOOR)
					02	H2 - 204.6 (DOUBLE DOOR)
14.	CORNER CLEAT FOR SASH	5575		48.2	02	MILL FINISH (SINGLE DOOR)
					04	MILL FINISH (DOUBLE DOOR)
15.	ARCHITRAVE	3109	45°	W	01	(SINGLE DOOR)
16.	ARCHITRAVE	3109	45° 1 AS SHOWN 1 AS REVERSE		01	(DOUBLE DOOR)
					02	(SINGLE DOOR)
					02	(DOUBLE DOOR)

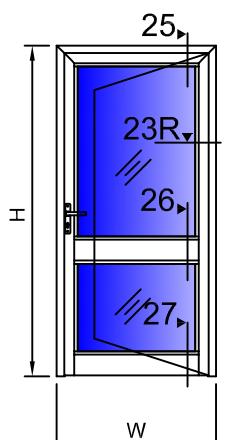
ACCESSORIES LIST

E.P.D.M. GASKET LIST

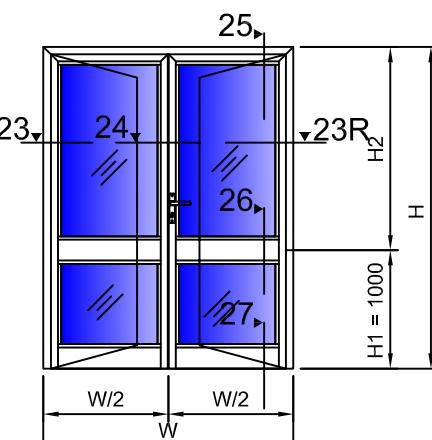
ITEM No.	ACCESSORY CODE No.	DESCRIPTION	FINISH	SINGLE LEAF	DOUBLE LEAF	ITEM No.	GASKET CODE No.	DESCRIPTION	SINGLE LEAF	DOUBLE LEAF
1.	00598	DOOR HINGES	P. C	02	04	1.	RUB 015	IMPACT GASKET INTERNAL	1W + 2H	1W + 4H
2.	2472	DOOR LIVER HANDLE	P. C	01	01	2.	RUB 025	CENTER GASKET	1W + 2H	1W + 3H
3.	02111	FLUSH BOLT	M. F	-	2 SET	3.	RUB 055	INTERNAL GLAZING GASKET	4W + 2H	4W + 8H
4.	00365	ALIGNMENT CORNER		01	04	4.	RUB 065	EXTERNAL GLAZING GASKET	4W + 2H	4W + 8H
5.	01314	STRICKER LATCH		-	01	5.	RUB 070	THRESHOULD GASKET	2W	2W
6.	2144	BRASS BUSH		-	01					
7.	91135XC	DOMUS LOCK SET		01	01					
8.	16075K	DOMUS CYLINDER 74mm		01	01					
9.	90185X	DOMUS STRIKING PLATE		01	01					

AL-WIN 80® CASEMENT SERIES

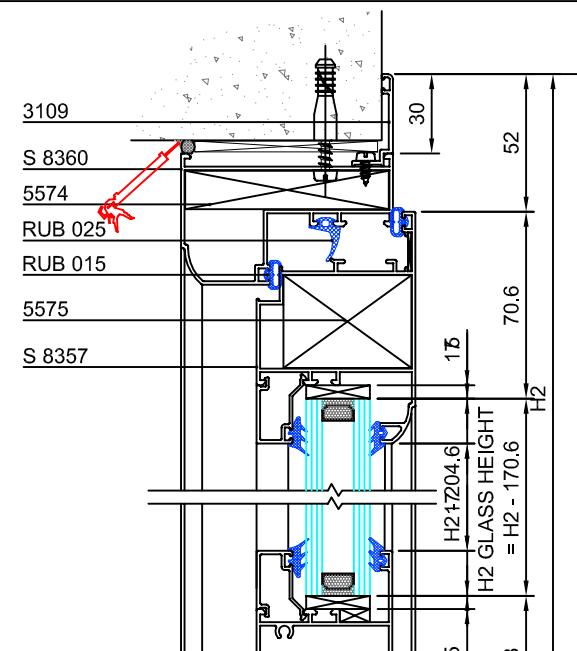
OUTWARD OPENING HINGED DOOR



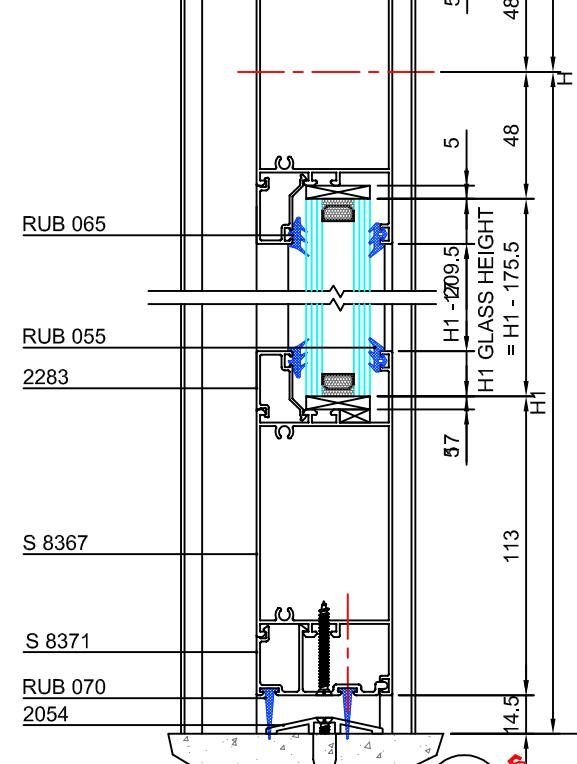
ELEVATION
SINGLE LEAF
(OPENING OUTSIDE)
DOUBLE GLAZING



ELEVATION
DOUBLE LEAF
(OPENING OUTSIDE)
DOUBLE GLAZING



25



26

Interior

27

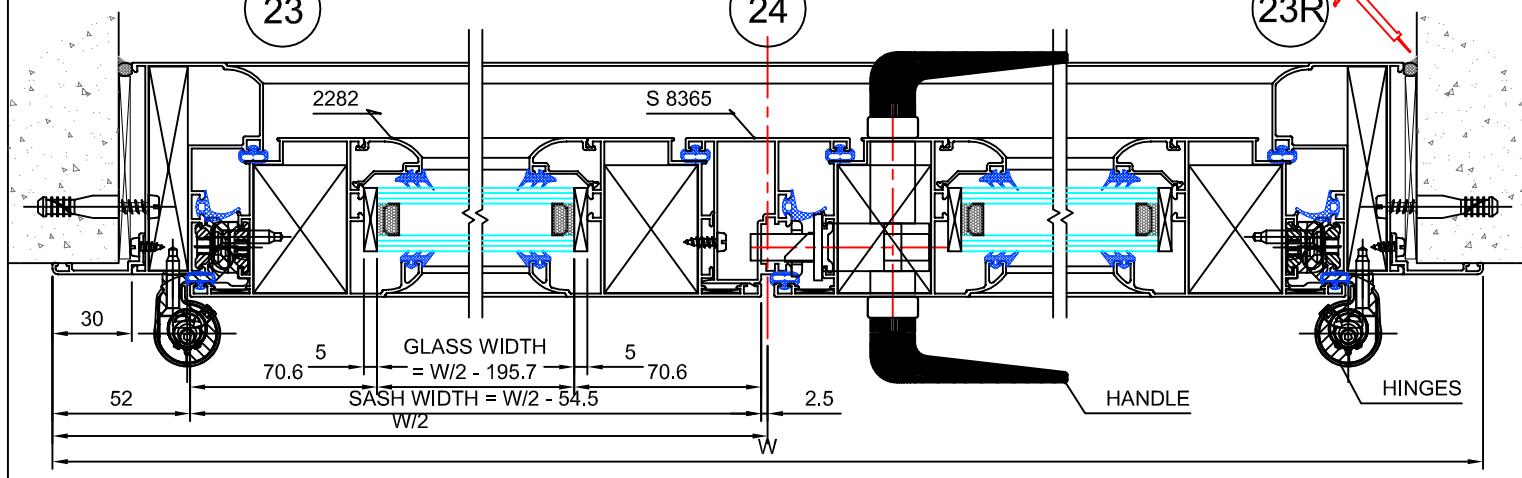
Exterior

Interior

23

24

23R



Exterior

AL-WIN 80® CASEMENT SERIES

OUTWARD OPENING HINGED DOOR

PROFILE CUTTING LIST

ITEM No.	DESCRIPTION & SECTION SHAPE	PROFILE No.	PROFILE CUTTING ANGLE	CUTTING SIZE	No. OF PIECES	REMARKS
1.	FRAME WIDTH	S 8360	45°	W - 60	01	FOR SINGLE & DOUBLE DOOR
2.	FRAME HEIGHT	S 8360	45° 1 AS SHOWN 1 AS REVERSE	H - 30	02	FOR SINGLE & DOUBLE DOOR
3.	SASH WIDTH	S 8357	45°	W/2 - 54.5	01	W - 104 (SINGLE DOOR)
4.	SASH HEIGHT	S 8357	45° 2 AS SHOWN 2 AS REVERSE		02	H - 52 (SINGLE DOOR)
5.	ADOPTER	S 8365		H - 52	00	(SINGLE DOOR)
					01	H - 52 (DOUBLE DOOR)
6.	MIDRAIL WIDTH	S 8367		W/2 - 185.7	01	W - 235.2 (SINGLE DOOR)
					02	W/2 - 185.7 (DOUBLE DOOR)
7.	BOTTOMRAIL WIDTH	S 8367		W/2 - 185.7	01	W - 235.2 (SINGLE DOOR)
					02	W/2 - 185.7 (DOUBLE DOOR)
8.	BRUSH HOLDER	S 8371		W/2 - 185.7	01	W - 235.2 (SINGLE DOOR)
					02	W/2 - 185.7 (DOUBLE DOOR)
9.	THRESHOULD	2054		W - 105	01	
10.	GL CLIP WIDTH	2283		W/2 - 185.7	04	W - 235.2 (SINGLE DOOR)
					08	W/2 - 185.7 (DOUBLE DOOR)
11.	GL CLIP HEIGHT FOR H1	2282		H1 - 209.5	02	H1 - 209.5 (SINGLE DOOR)
					04	H1 - 209.5 (SINGLE DOOR)
12.	GL CLIP HEIGHT FOR H2	2282		H2 - 204.6	02	H2 - 204.6 (SINGLE DOOR)
					04	H2 - 204.6 (SINGLE DOOR)
13.	CORNER CLEAT FOR FRAME	5574		77	02	MILL FINISH (SINGLE DOOR)
					02	MILL FINISH (DOUBLE DOOR)
14.	CORNER CLEAT FOR SASH	5575		48.2	02	MILL FINISH (SINGLE DOOR)
					04	MILL FINISH (DOUBLE DOOR)
15.	ARCHITRAVE	3109	45°	W	01	(SINGLE DOOR)
			1 AS SHOWN 1 AS REVERSE		01	(DOUBLE DOOR)
16.	ARCHITRAVE	3109	45°	H	02	(SINGLE DOOR)
			1 AS SHOWN 1 AS REVERSE		02	(DOUBLE DOOR)

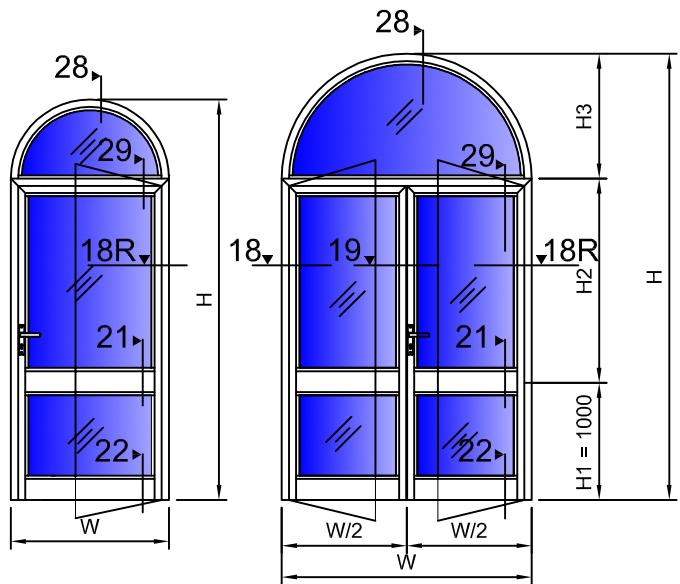
ACCESSORIES LIST

E.P.D.M. GASKET LIST

ITEM No.	ACCESSORY CODE No.	DESCRIPTION	FINISH	SINGLE LEAF	DOUBLE LEAF	ITEM No.	GASKET CODE No.	DESCRIPTION	SINGLE LEAF	DOUBLE LEAF
1.	00598	DOOR HINGES	P. C	02	04	1.	RUB 015	IMPACT GASKET INTERNAL	1W + 2H	1W + 4H
2.	2472	DOOR LIVER HANDLE	P. C	01	01	2.	RUB 025	CENTER GASKET	1W + 2H	1W + 3H
3.	02111	FLUSH BOLT	M. F	-	2 SET	3.	RUB 055	INTERNAL GLAZING GASKET	4W + 2H	4W + 8H
4.	00365	ALIGNMENT CORNER		01	04	4.	RUB 065	EXTERNAL GLAZING GASKET	4W + 2H	4W + 8H
5.	01314	STRICKER LATCH		-	01	5.	RUB 070	THRESHOULD GASKET	2W	
6.	2144	BRASS BUSH		-	01					
7.	91135XC	DOMUS LOCK SET		01	01					
8.	16075K	DOMUS CYLINDER 74mm		01	01					
9.	90185X	DOMUS STRIKING PLATE		01	01					

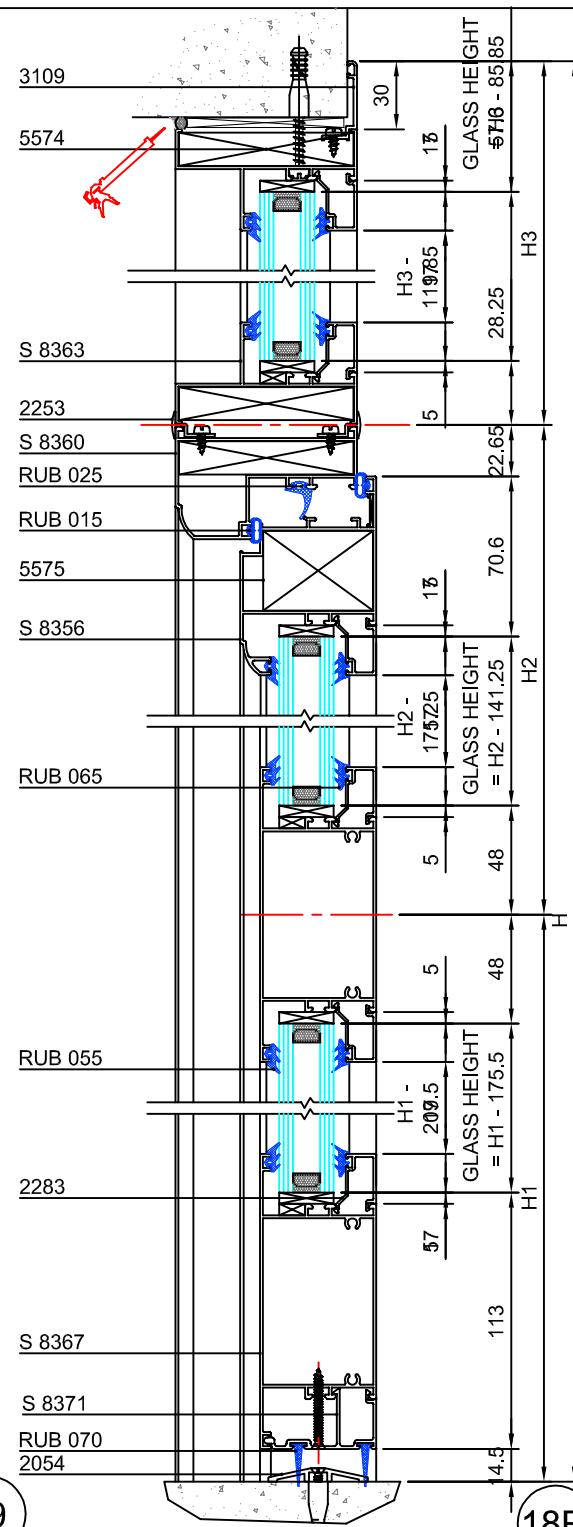
AL-WIN 80® CASEMENT SERIES

INWARD OPENING HINGED DOOR WITH TOP FIXLITE



ELEVATION
SINGLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING

ELEVATION
DOUBLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING

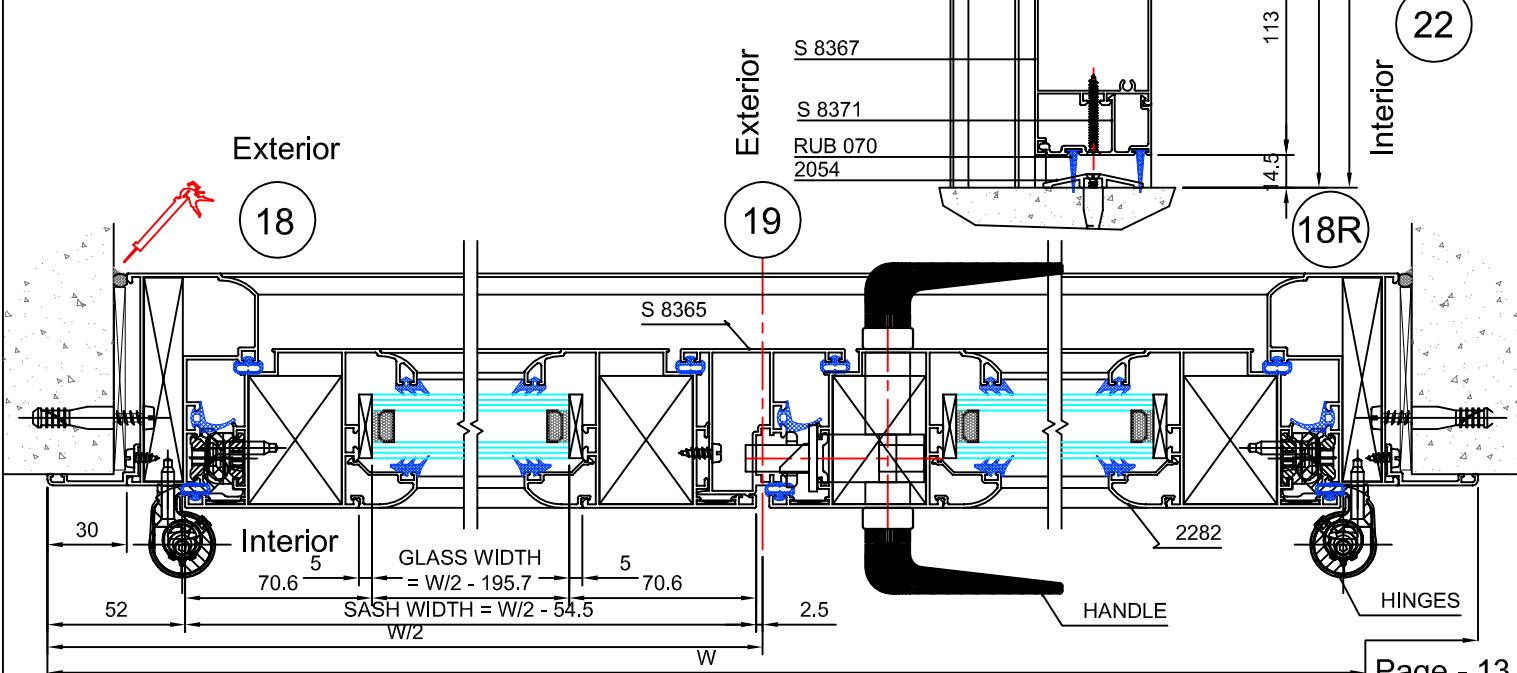


28

29

21

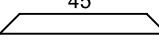
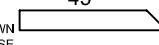
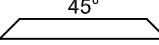
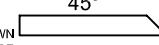
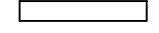
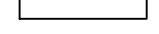
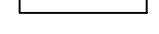
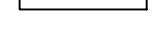
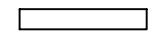
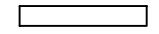
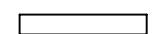
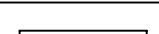
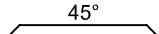
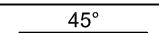
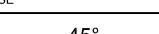
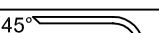
22



AL-WIN 80® CASEMENT SERIES

INWARD OPENING HINGED DOOR WITH TOP FIXLITE

PROFILE CUTTING LIST

ITEM No.	DESCRIPTION & SECTION SHAPE	PROFILE No.	PROFILE CUTTING ANGLE	CUTTING SIZE	No. OF PIECES	REMARKS
1.	 FRAME WIDTH	S 8360		W - 60	01	FOR SINGLE & DOUBLE DOOR
2.	 FRAME HEIGHT	S 8360		H1+H2	02	FOR SINGLE & DOUBLE DOOR
3.	 SASH WIDTH	S 8356		W/2 - 54.5	01	W - 104 (SINGLE DOOR)
4.	 SASH HEIGHT	S 8356			02	H - 183 (SINGLE DOOR)
5.	 ADOPTER	S 8365		H - 183	00	(SINGLE DOOR)
					01	H - 183 (DOUBLE DOOR)
6.	 MIDRAIL WIDTH	S 8367		W/2 - 185.7	01	W - 235.2 (SINGLE DOOR)
					02	W/2 - 185.7 (DOUBLE DOOR)
7.	 BOTTOMRAIL WIDTH	S 8367		W/2 - 185.7	01	W - 235.2 (SINGLE DOOR)
					02	W/2 - 185.7 (DOUBLE DOOR)
8.	 BRUSH HOLDER	S 8371		W/2 - 185.7	01	W - 235.2 (SINGLE DOOR)
					02	W/2 - 185.7 (DOUBLE DOOR)
9.	 THRESHOULD	2054		W - 105	01	
10.	 GL CLIP WIDTH	2283		W/2 - 185.7	04	W - 235.2 (SINGLE DOOR)
					08	W/2 - 185.7 (DOUBLE DOOR)
11.	 GL CLIP HEIGHT FOR H1	2282		H1 - 209.5	02	H1 - 209.5 (SINGLE DOOR)
					04	H1 - 209.5 (DOUBLE DOOR)
12.	 GL CLIP HEIGHT FOR H2	2282		H2 - 175.25	02	H2 - 175.25 (SINGLE DOOR)
					04	H2 - 175.25 (DOUBLE DOOR)
13.	 GL CLIP HEIGHT FOR H3	2283		H3 - 119.85	01	
14.	 CORNER CLEAT FOR FRAME	5574		77	02	MILL FINISH (SINGLE DOOR)
					02	MILL FINISH (DOUBLE DOOR)
15.	 CORNER CLEAT FOR SASH	5575		48.2	02	MILL FINISH (SINGLE DOOR)
					04	MILL FINISH (DOUBLE DOOR)
16.	 ARCHITRAVE	3109		W	01	(SINGLE DOOR)
					01	(DOUBLE DOOR)
17.	 ARCHITRAVE	3109		H	02	(SINGLE DOOR)
					02	(DOUBLE DOOR)
18.	 FRAME WIDTH	S 8363		W - 60	01	
19.	 FRAME HEIGHT	S 8363		H3 - 30	01	
20.	 CONNECTOR	2253		W	02	

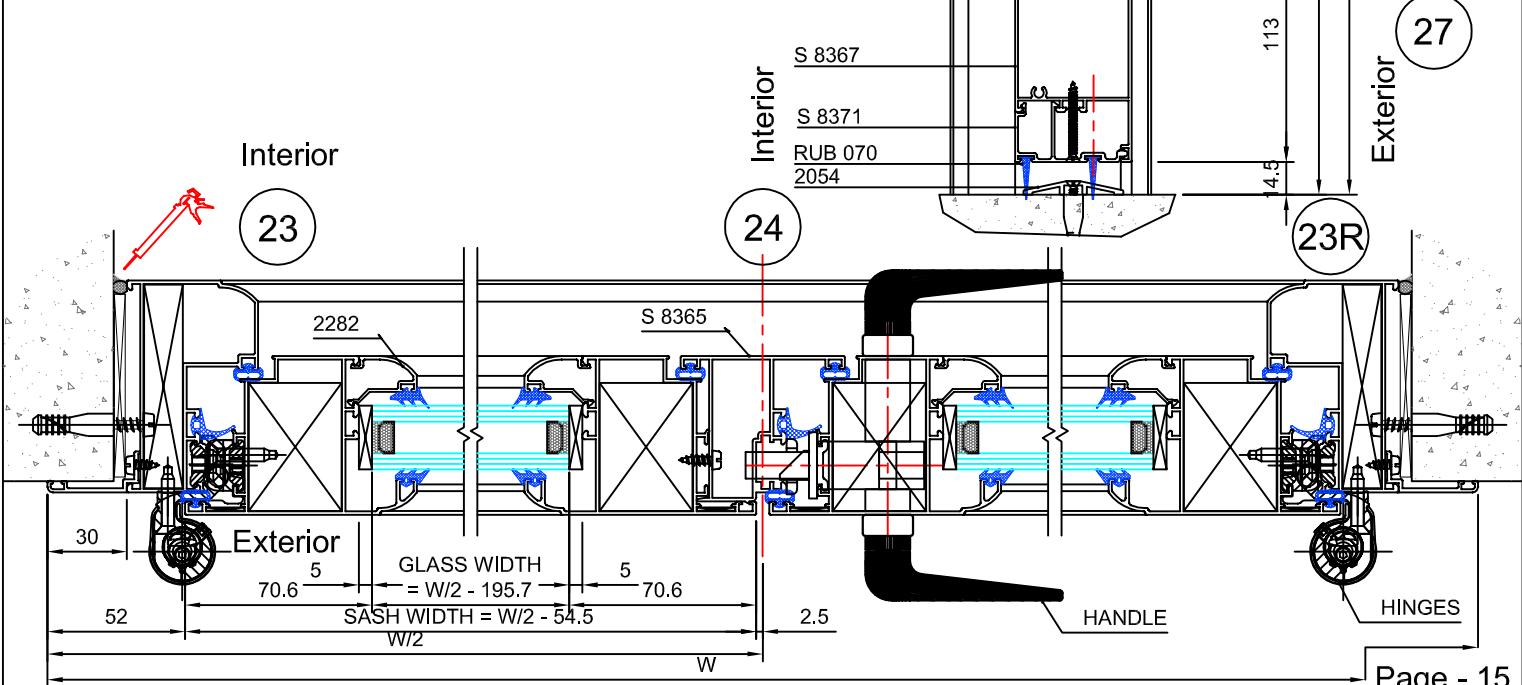
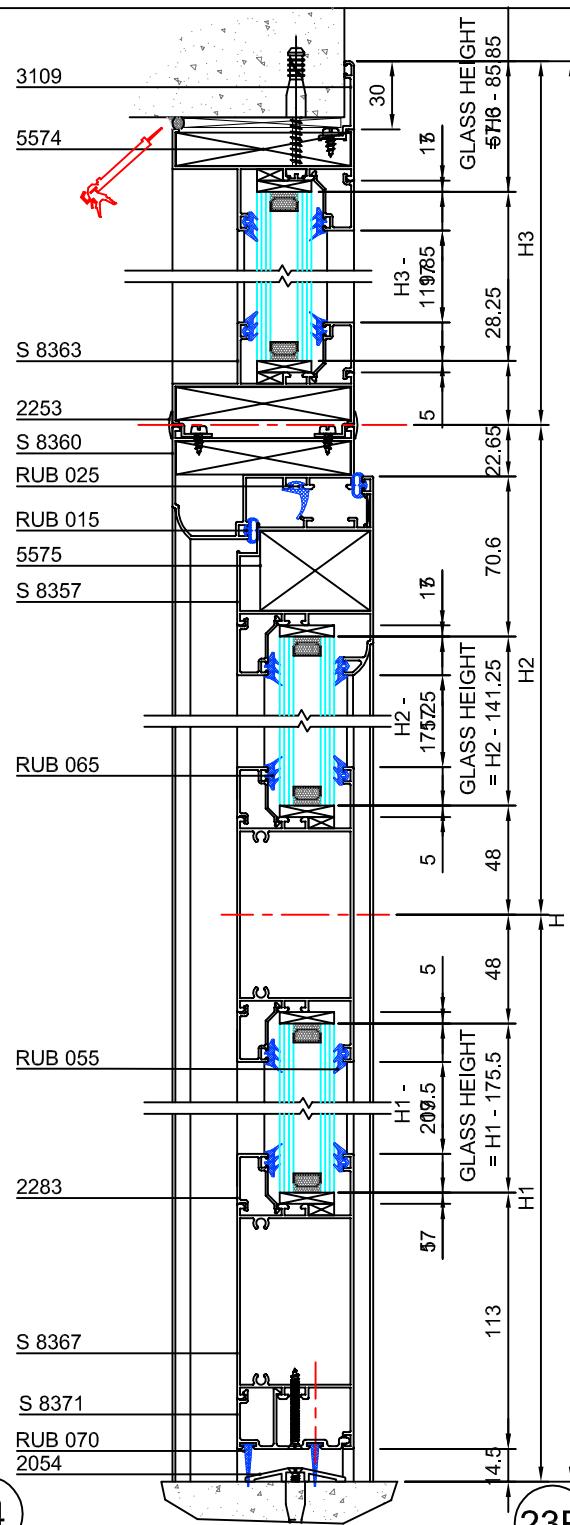
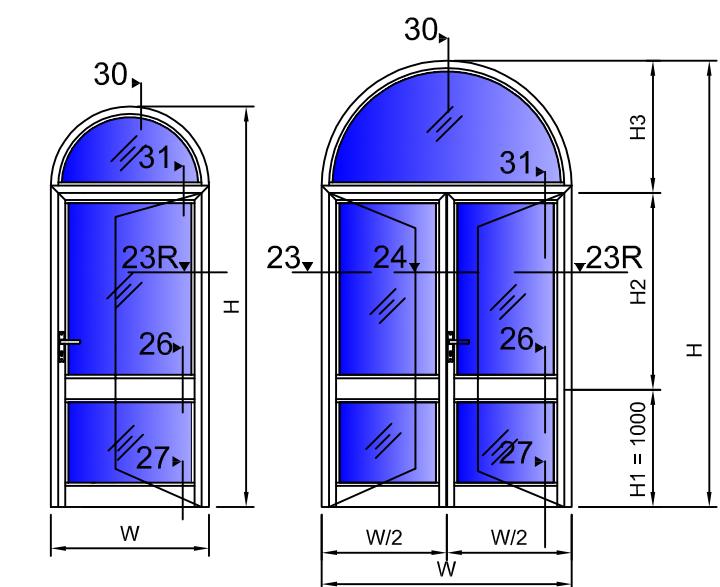
ACCESSORIES LIST

E.P.D.M. GASKET LIST

ITEM No.	ACCESSORY CODE No.	DESCRIPTION	FINISH	SINGLE LEAF	DOUBLE LEAF	ITEM No.	GASKET CODE No.	DESCRIPTION	SINGLE LEAF	DOUBLE LEAF
1.	00598	DOOR HINGES	P. C	02	04	1.	RUB 015	IMPACT GASKET INTERNAL	1W + 2H	1W + 4H
2.	2472	DOOR LIVER HANDLE	P. C	01	01	2.	RUB 025	CENTER GASKET	1W + 2H	1W + 3H
3.	02111	FLUSH BOLT	M. F	-	2 SET	3.	RUB 055	INTERNAL GLAZING GASKET	4W + 2H	4W + 8H
4.	00365	ALIGNMENT CORNER		01	04	4.	RUB 065	EXTERNAL GLAZING GASKET	4W + 2H	4W + 8H
5.	01314	STRICKER LATCH		-	01	5.	RUB 070	THRESHOULD GASKET	2W	2W
6.	2144	BRASS BUSH		-	01					
7.	91135XC	DOMUS LOCK SET		01	01					
8.	16075K	DOMUS CYLINDER 74mm		01	01					
9.	90185X	DOMUS STRIKING PLATE		01	01					

AL-WIN 80® CASEMENT SERIES

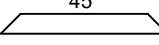
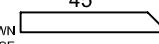
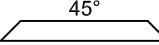
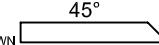
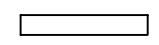
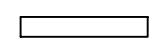
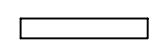
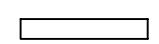
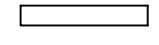
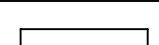
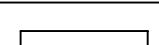
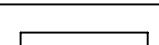
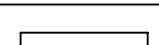
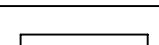
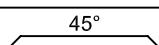
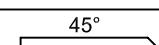
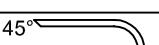
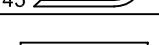
OUTWARD OPENING HINGED DOOR WITH TOP FIXLITE



AL-WIN 80® CASEMENT SERIES

OUTWARD OPENING HINGED DOOR WITH TOP FIXLITE

PROFILE CUTTING LIST

ITEM No.	DESCRIPTION & SECTION SHAPE	PROFILE No.	PROFILE CUTTING ANGLE	CUTTING SIZE	No. OF PIECES	REMARKS
1.	 FRAME WIDTH	S 8360		W - 60	01	FOR SINGLE & DOUBLE DOOR
2.	 FRAME HEIGHT	S 8360		H1+H2	02	FOR SINGLE & DOUBLE DOOR
3.	 SASH WIDTH	S 8357		W/2 - 54.5	01	W - 104 (SINGLE DOOR)
4.	 SASH HEIGHT	S 8357			02	H - 183 (SINGLE DOOR)
5.	 ADOPTER	S 8365		H - 183	00	(SINGLE DOOR)
					01	H - 183 (DOUBLE DOOR)
6.	 MIDRAIL WIDTH	S 8367		W/2 - 185.7	01	W - 235.2 (SINGLE DOOR)
					02	W/2 - 185.7 (DOUBLE DOOR)
7.	 BOTTOMRAIL WIDTH	S 8367		W/2 - 185.7	01	W - 235.2 (SINGLE DOOR)
					02	W/2 - 185.7 (DOUBLE DOOR)
8.	 BRUSH HOLDER	S 8371		W/2 - 185.7	01	W - 235.2 (SINGLE DOOR)
					02	W/2 - 185.7 (DOUBLE DOOR)
9.	 THRESHOULD	2054		W - 105	01	
10.	 GL CLIP WIDTH	2283		W/2 - 185.7	04	W - 235.2 (SINGLE DOOR)
					08	W/2 - 185.7 (DOUBLE DOOR)
11.	 GL CLIP HEIGHT FOR H1	2282		H1 - 209.5	02	H1 - 209.5 (SINGLE DOOR)
					04	H1 - 209.5 (SINGLE DOOR)
12.	 GL CLIP HEIGHT FOR H2	2282		H2 - 175.25	02	H2 - 175.25 (SINGLE DOOR)
					04	H2 - 175.25 (SINGLE DOOR)
13.	 GL CLIP HEIGHT FOR H3	2283		H3 - 119.85	01	
14.	 CORNER CLEAT FOR FRAME	5574		77	02	MILL FINISH (SINGLE DOOR)
					02	MILL FINISH (DOUBLE DOOR)
15.	 CORNER CLEAT FOR SASH	5575		48.2	02	MILL FINISH (SINGLE DOOR)
					04	MILL FINISH (DOUBLE DOOR)
16.	 ARCHITRAVE	3109		W	01	(SINGLE DOOR)
					01	(DOUBLE DOOR)
17.	 ARCHITRAVE	3109		H	02	(SINGLE DOOR)
					02	(DOUBLE DOOR)
18.	 FRAME WIDTH	S 8363		W - 60	01	
19.	 FRAME HEIGHT	S 8363		H3 - 30	01	
20.	 CONNECTOR	2253		W	02	

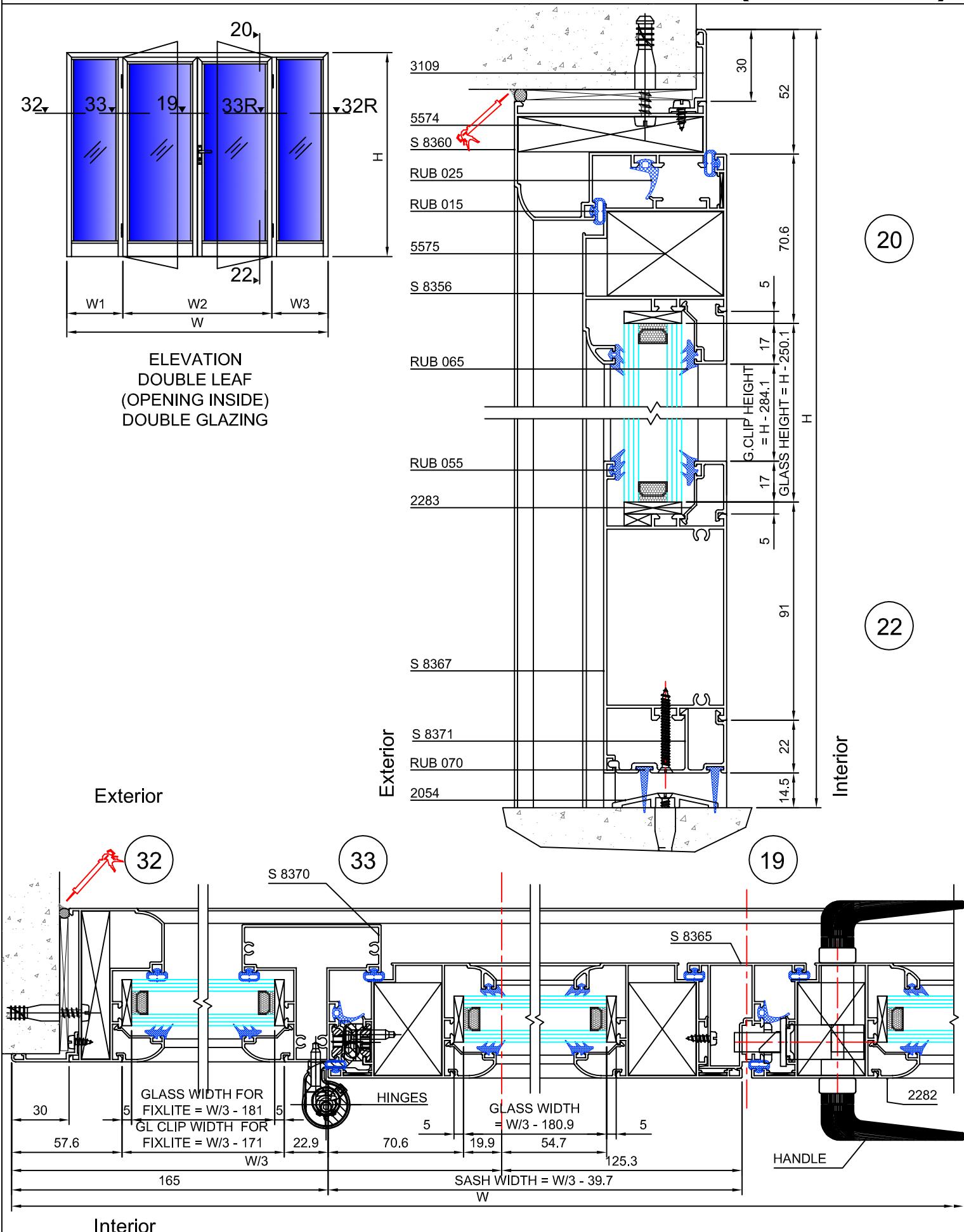
ACCESSORIES LIST

E.P.D.M. GASKET LIST

ITEM No.	ACCESSORY CODE No.	DESCRIPTION	FINISH	SINGLE LEAF	DOUBLE LEAF	ITEM No.	GASKET CODE No.	DESCRIPTION	SINGLE LEAF	DOUBLE LEAF
1.	00598	DOOR HINGES	P. C	02	04	1.	RUB 015	IMPACT GASKET INTERNAL	1W + 2H	1W + 4H
2.	2472	DOOR LIVER HANDLE	P. C	01	01	2.	RUB 025	CENTER GASKET	1W + 2H	1W + 3H
3.	02111	FLUSH BOLT	M. F	-	2 SET	3.	RUB 055	INTERNAL GLAZING GASKET	4W + 2H	4W + 8H
4.	00365	ALIGNMENT CORNER		01	04	4.	RUB 065	EXTERNAL GLAZING GASKET	4W + 2H	4W + 8H
5.	01314	STRICKER LATCH		-	01	5.	RUB 070	THRESHOULD GASKET	2W	2W
6.	2144	BRASS BUSH		-	01					
7.	91135XC	DOMUS LOCK SET		01	01					
8.	16075K	DOMUS CYLINDER 74mm		01	01					
9.	90185X	DOMUS STRIKING PLATE		01	01					

AL-WIN 80® CASEMENT SERIES

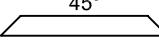
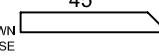
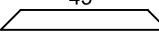
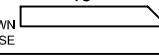
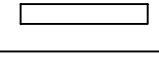
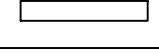
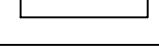
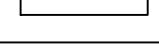
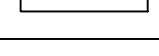
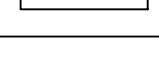
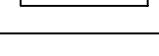
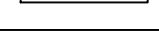
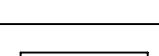
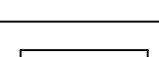
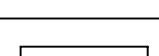
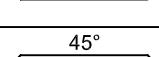
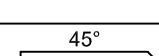
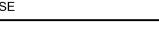
INWARD OPENING HINGED DOOR WITH PARTITIONS (SHOP FRONTS)



AL-WIN 80® CASEMENT SERIES

INWARD OPENING HINGED DOOR WITH PARTITIONS (SHOP FRONTS)

PROFILE CUTTING LIST

ITEM No.	DESCRIPTION & SECTION SHAPE	PROFILE No.	PROFILE CUTTING ANGLE	CUTTING SIZE	No. OF PIECES	REMARKS
1.	 FRAME WIDTH	S 8360		W - 60	01	DOOR
2.	 FRAME HEIGHT	S 8360		H - 30	02	DOOR
3.	 SASH WIDTH	S 8356		W/3 - 39.7	04	
4.	 SASH HEIGHT	S 8356		H - 52	04	
5.	 ADOPTER	S 8365		H - 52	01	
6.	 MULLION	S 8370		H - 79.6	02	
7.	 BOTTOM RAIL WIDTH FOR SASH	S 8367		W/3 - 170.9	02	
8.	 BOTTOM RAIL WIDTH FOR FIXLITE	S 8367		W/3 - 171	02	
9.	 BRUSH HOLDER FOR SASH	S 8371		W/3 - 170.9	02	
10.	 BRUSH HOLDER FOR FIXLITE	S 8371		W/3 - 171	02	
11.	 THRESHOULD	2054		W - 331.3	01	
12.	 GL CLIP WIDTH FOR SASH	2283		W/3 - 170.9	04	
13.	 GL CLIP WIDTH FOR FIXLITE	2283		W/3 - 171	04	
14.	 GL CLIP HEIGHT FOR SASH	2282		H - 284.1	04	
15.	 GL CLIP HEIGHT FOR FIXLITE	2282		H - 224.1	04	
16.	 CORNE CLEAT FOR FRAME	5574		77	02	MILL FINISH
17.	 CORNE CLEAT FOR SASH	5575		48.2	04	MILL FINISH
18.	 ARCHITRAVE	T 3109		W	01	
19.	 ARCHITRAVE	T 3109		H	02	

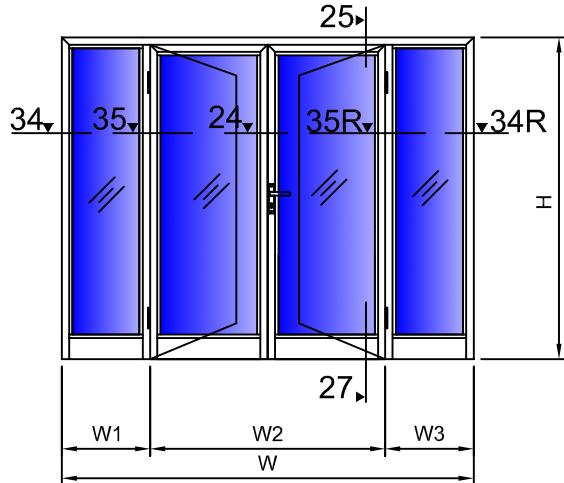
ACCESSORIES LIST

E.P.D.M. GASKET LIST

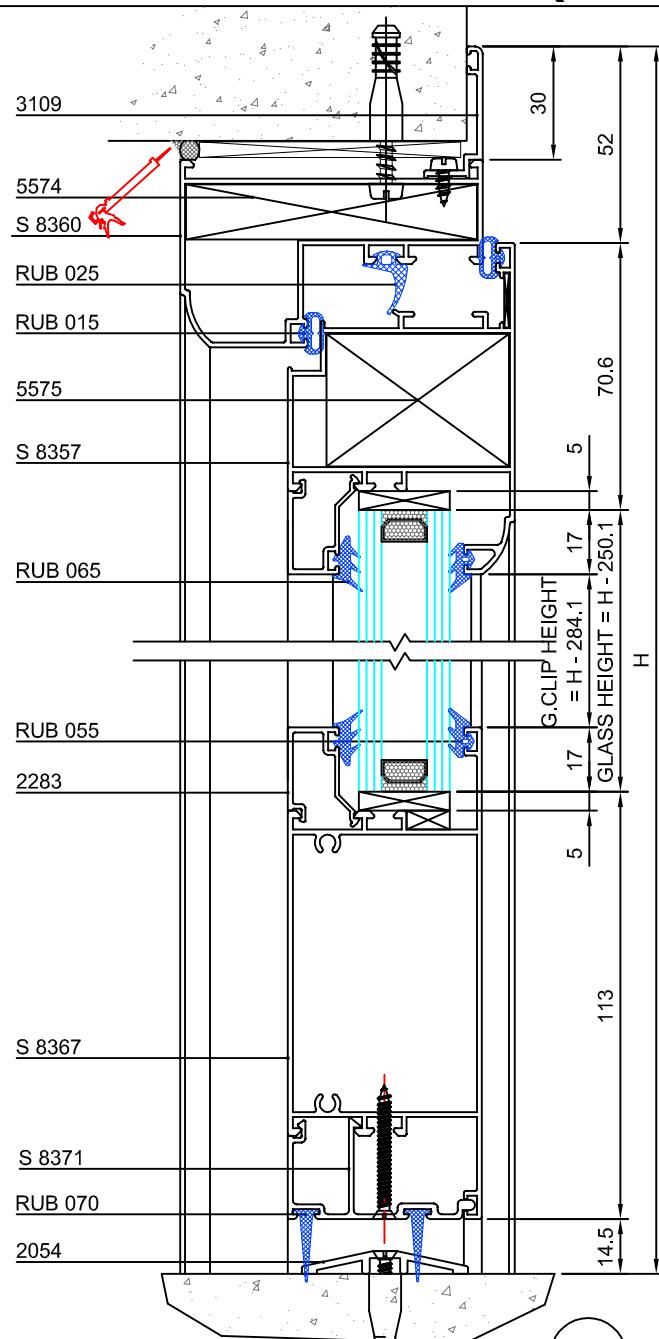
ITEM No.	ACCESSORY CODE No.	DESCRIPTION	FINISH	QTY	ITEM No.	GASKET CODE No.	DESCRIPTION	QTY
1.	00598	DOOR HINGES	P. C	04	1.	RUB 015	IMPACT GASKET INTERNAL	1W2 + 4H
2.	2472	DOOR LIVER HANDLE	P. C	01	2.	RUB 025	CENTER GASKET	1W + 2H
3.	02111	FLUSH BOLT	M. F	2 SET	3.	RUB 055	INTERNAL GLAZING GASKET	2W + 8H
4.	00365	ALIGNMENT CORNER	M. F	04	4.	RUB 065	EXTERNAL GLAZING GASKET	2W + 8H
5.	01314	STRICKER LATCH	M. F	01	5.	RUB 070	THRESHOULD GASKET	W2/2 + 2H
6.	2144	BRASS BUSH	M. F	01				
7.	91135XC	DOMUS LOCK SET	M. F	01				
8.	16075K	DOMUS CYLINDER 74mm	M. F	01				
9.	90185X	DOMUS STRIKING PLATE	M. F	01				

AL-WIN 80® CASEMENT SERIES

OUTWARD OPENING HINGED DOOR WITH PARTITIONS (SHOP FRONTS)



ELEVATION
DOUBLE LEAF
(OPENING OUTSIDE)
DOUBLE GLAZING

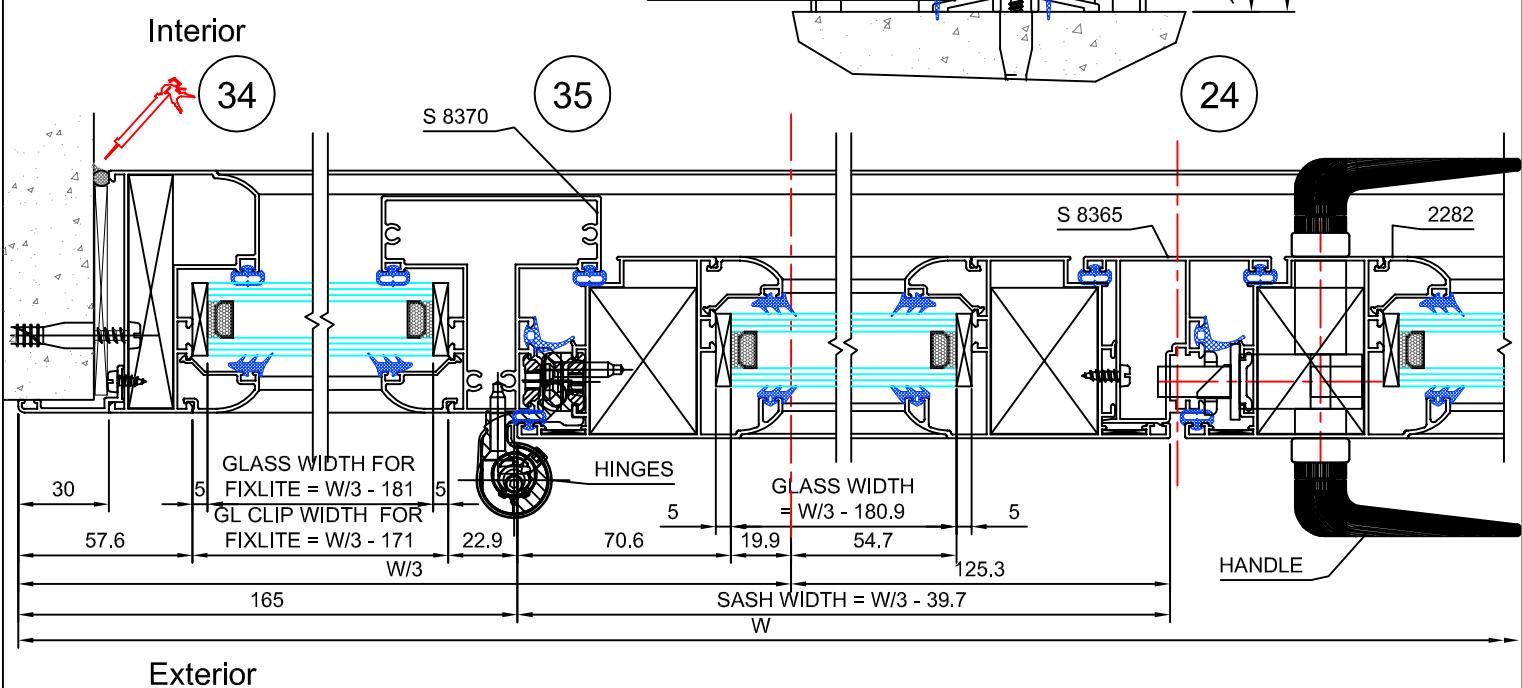


25

Interior Exterior

Interior

27

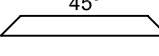
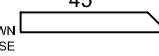
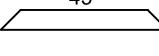
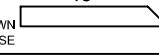
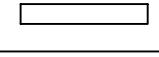
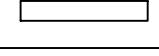
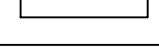
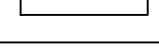
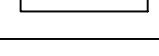
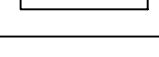
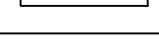
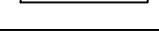
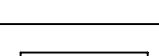
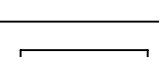
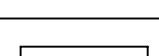
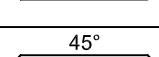
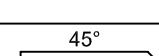
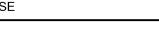


Exterior

AL-WIN 80® CASEMENT SERIES

OUTWARD OPENING HINGED DOOR WITH PARTITIONS (SHOP FRONTS)

PROFILE CUTTING LIST

ITEM No.	DESCRIPTION & SECTION SHAPE	PROFILE No.	PROFILE CUTTING ANGLE	CUTTING SIZE	No. OF PIECES	REMARKS
1.	 FRAME WIDTH	S 8360		W - 60	01	DOOR
2.	 FRAME HEIGHT	S 8360		H - 30	02	DOOR
3.	 SASH WIDTH	S 8357		W/3 - 39.7	04	
4.	 SASH HEIGHT	S 8357		H - 52	04	
5.	 ADOPTER	S 8365		H - 52	01	
6.	 MULLION	S 8370		H - 79.6	02	
7.	 BOTTOM RAIL WIDTH FOR SASH	S 8367		W/3 - 170.9	02	
8.	 BOTTOM RAIL WIDTH FOR FIXLITE	S 8367		W/3 - 171	02	
9.	 BRUSH HOLDER FOR SASH	S 8371		W/3 - 170.9	02	
10.	 BRUSH HOLDER FOR FIXLITE	S 8371		W/3 - 171	02	
11.	 THRESHOULD	2054		W - 331.3	01	
12.	 GL CLIP WIDTH FOR SASH	2283		W/3 - 170.9	04	
13.	 GL CLIP WIDTH FOR FIXLITE	2283		W/3 - 171	04	
14.	 GL CLIP HEIGHT FOR SASH	2282		H - 284.1	04	
15.	 GL CLIP HEIGHT FOR FIXLITE	2282		H - 224.1	04	
16.	 CORNE CLEAT FOR FRAME	5574		77	02	MILL FINISH
17.	 CORNE CLEAT FOR SASH	5575		48.2	04	MILL FINISH
18.	 ARCHITRAVE	T 3109		W	01	
19.	 ARCHITRAVE	T 3109		H	02	

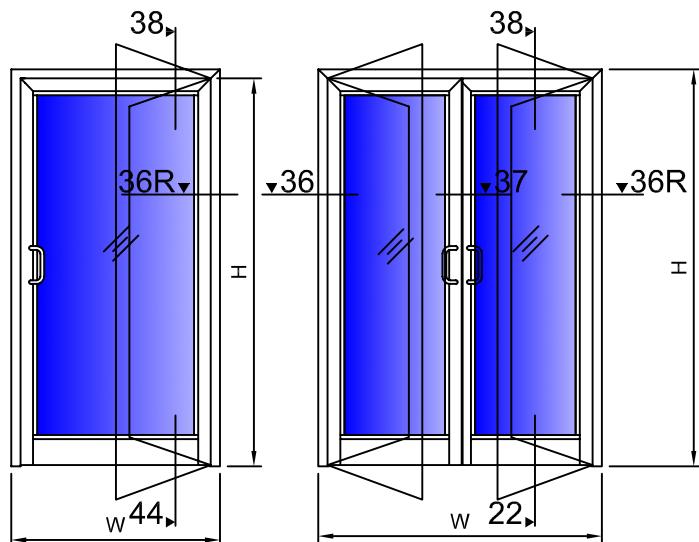
ACCESSORIES LIST

E.P.D.M. GASKET LIST

ITEM No.	ACCESSORY CODE No.	DESCRIPTION	FINISH	QTY	ITEM No.	GASKET CODE No.	DESCRIPTION	QTY
1.	00598	DOOR HINGES	P. C	04	1.	RUB 015	IMPACT GASKET INTERNAL	1W2 + 4H
2.	2472	DOOR LIVER HANDLE	P. C	01	2.	RUB 025	CENTER GASKET	1W + 2H
3.	02111	FLUSH BOLT	M. F	2 SET	3.	RUB 055	INTERNAL GLAZING GASKET	2W + 8H
4.	00365	ALIGNMENT CORNER	M. F	04	4.	RUB 065	EXTERNAL GLAZING GASKET	2W + 8H
5.	01314	STRICKER LATCH	M. F	01	5.	RUB 070	THRESHOULD GASKET	W2/2 + 2H
6.	2144	BRASS BUSH	M. F	01				
7.	91135XC	DOMUS LOCK SET	M. F	01				
8.	16075K	DOMUS CYLINDER 74mm	M. F	01				
9.	90185X	DOMUS STRIKING PLATE	M. F	01				

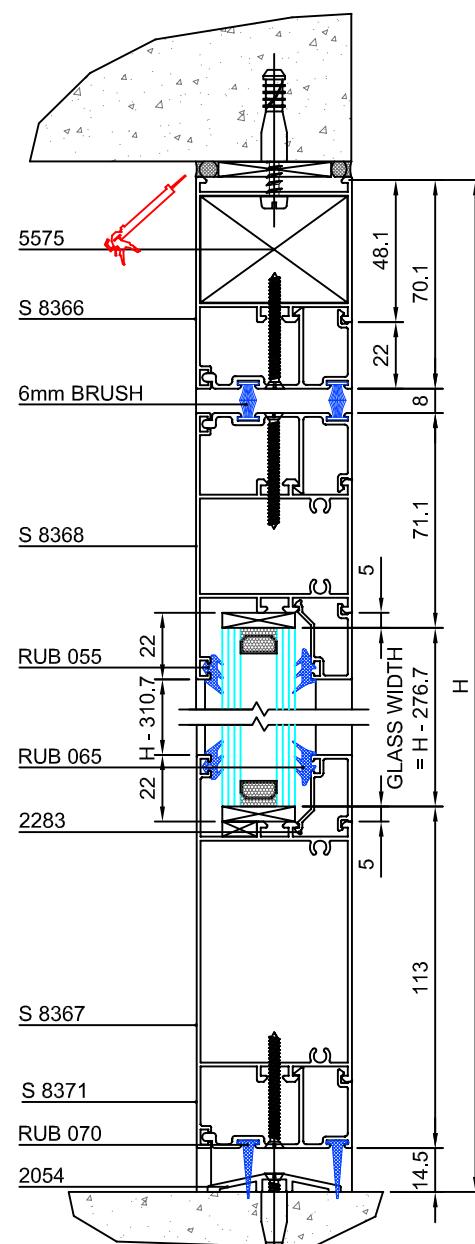
AL-WIN 80® CASEMENT SERIES

SWING DOOR



ELEVATION
SINGLE LEAF
(OPENING BOTH SIDE)
DOUBLE GLAZING

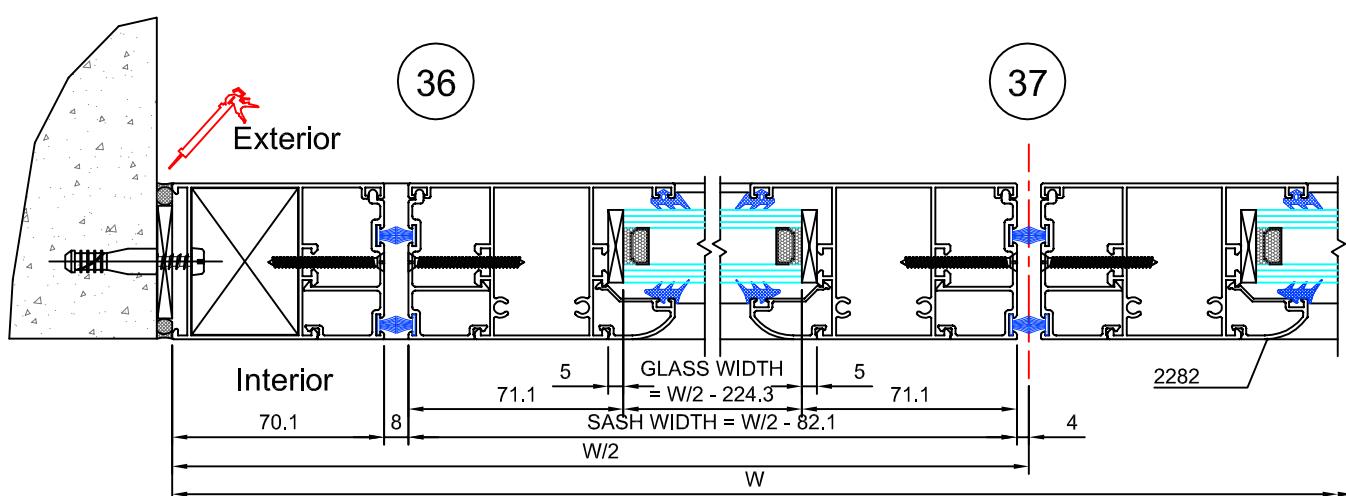
ELEVATION
DOUBLE LEAF
(OPENING BOTH SIDE)
DOUBLE GLAZING



38

22

Exterior
Interior

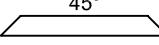
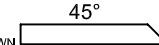
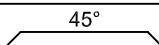
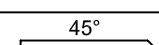
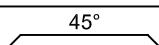
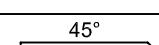
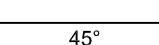
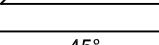
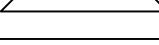
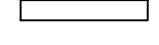
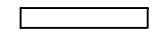
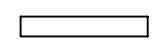


37

AL-WIN 80® CASEMENT SERIES

SWING DOOR

PROFILE CUTTING LIST

ITEM No.	DESCRIPTION & SECTION SHAPE	PROFILE No.	PROFILE CUTTING ANGLE	CUTTING SIZE	No. OF PIECES	REMARKS
1.	FRAME WIDTH	S 8366		W	01	FOR SINGLE & DOUBLE DOOR
2.	FRAME HEIGHT	S 8366		H	02	FOR SINGLE & DOUBLE DOOR
3.	SASH WIDTH	S 8368		W/2 - 82.1	01	W - 156.2 (SINGLE DOOR)
4.	SASH HEIGHT	S 8368			02	H - 78.1 (SINGLE DOOR)
5.	BOTTOM RAIL WIDTH	S 8367		W/2 - 214.3	01	W - 288.4 (SINGLE DOOR)
	ADOPTER FOR FRAME WIDTH	S 8371			02	W/2 - 214.3 (DOUBLE DOOR)
7.	ADOPTER FOR FRAME HEIGHT	S 8371		H - 48.1	02	CLIP WITH FRAME BEFORE CUTTING
8.	ADOPTER FOR SASH WIDTH	S 8371		W/2 - 82.1	02	W - 156.2 (SINGLE DOOR)
9.	ADOPTER FOR SASH HEIGHT	S 8371			04	W/2 - 82.1 (DOUBLE DOOR)
10.	GL CLIP WIDTH	2283		W/2 - 214.3	02	SINGLE DOOR
	GL CLIP HEIGHT	2282			04	W/2 - 214.3 (DOUBLE DOOR)
12.	THRESHOULD	2054		W - 86.2	01	H - 310.7 (SINGLE DOOR)
13.	CORNER CLEAT FOR FRAME	5575		48.5	02	H - 310.7 (DOUBLE DOOR)
						MILL FINISH

ACCESSORIES LIST

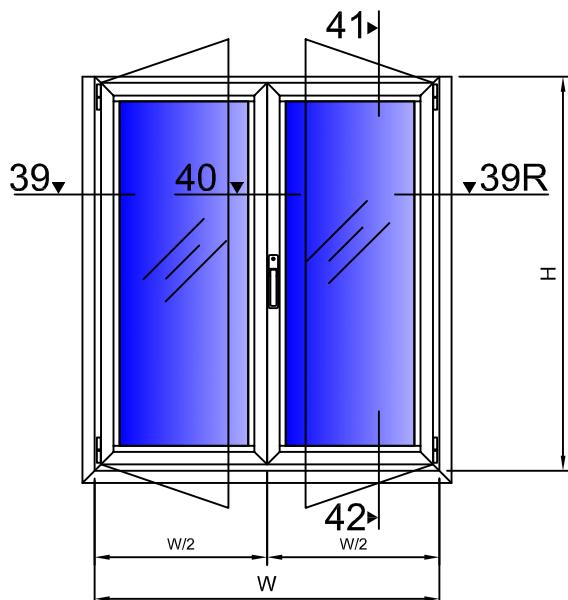
E.P.D.M. GASKET LIST

ITEM No.	ACCESSORY CODE No.	DESCRIPTION	FINISH	SINGLE LEAF	DOUBLE LEAF	ITEM No.	GASKET CODE No.	DESCRIPTION	SINGLE LEAF	DOUBLE LEAF
1.	2604	DOUBLE BEND HANDLE	P. C	01	02	1.	RUB 065	INNER GASKET	2W + 2H	2W + 4H
2.	2668	KIT FOR HANDLE	M. F	01 SET	02 SET	2.	RUB 055	OUTER GASKET	2W + 2H	2W + 4H
3.	02111	FLUSH BOLT	M. F	-	01 SET	3.	PB.69-600-3P	WEATHER SEAL PILE	4W + 8H	4W + 12H
4.	16075K	DOMUS CYLINDER 74mm		01	01					
5.	90185X	DOMUS STRIKING PLATE		01	01					
6.	92135XT	DOMUS ROLLER LOCKSET	P. C	01 SET	01 SET					
7.	BTS 75V	DORMA FLOOR SPRING COVER PIVOTS COMPLETE SET	P. C	01 SET	02 SET					

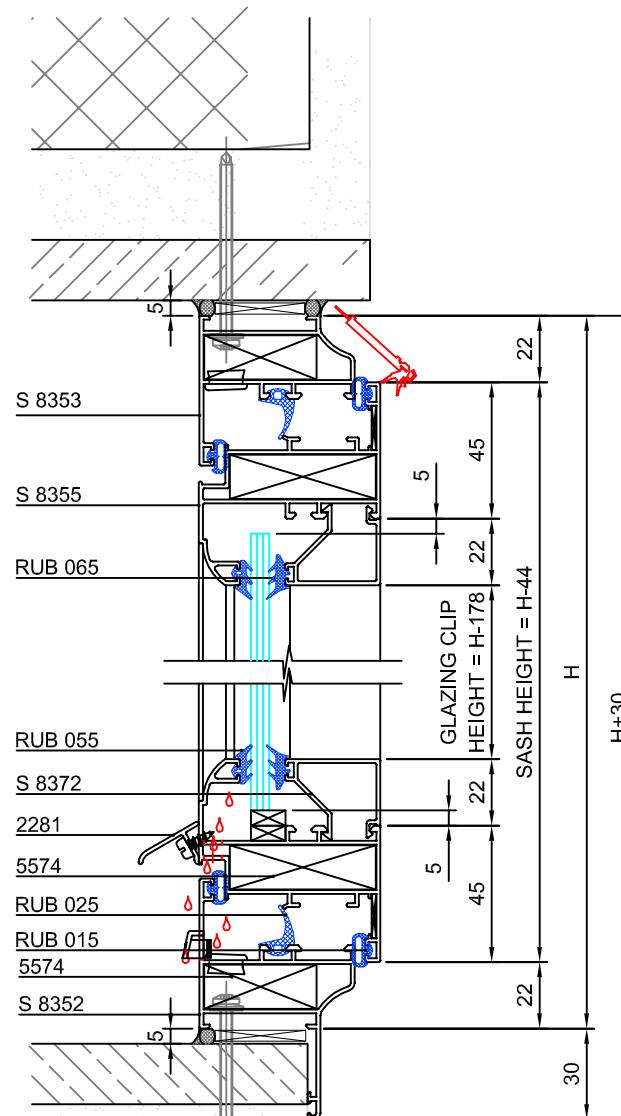
NOTE: ADOPTER SECTION S 8371 TO BE CLIP WITH FRAME AND SASH BEFORE CUTTING.

AL-WIN 80® CASEMENT SERIES

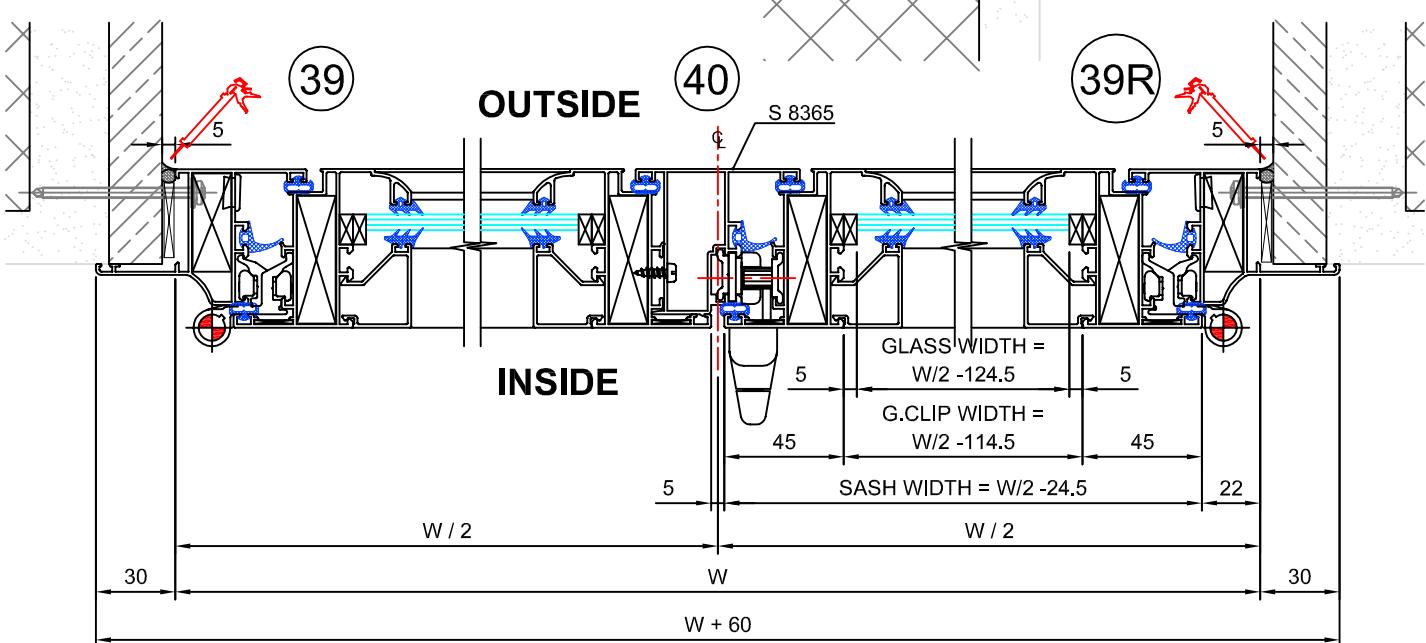
SIDE HUNG WINDOW INWARD OPENABLE



ELEVATION
DOUBLE LEAF RIGHT SASH
WILL BE THE FIRST TO OPEN
(OPENING INSIDE)
SINGLE 6mm GLAZING



41

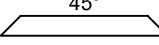
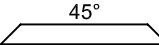
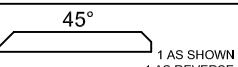
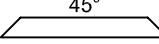
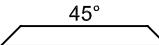
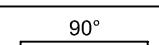
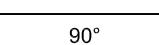
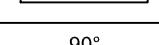
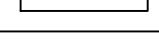
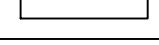
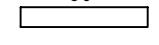
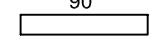


42

AL-WIN 80® CASEMENT SERIES

SIDE HUNG WINDOW INWARD OPENABLE

PROFILE CUTTING LIST

ITEM No.	DESCRIPTION & SECTION SHAPE	PROFILE No.	PROFILE CUTTING ANGLE	CUTTING SIZE	No. OF PIECES	REMARKS
1.	FRAME WIDTH (TOP)	S 8353		W	01	COLOR RAL 9010
2.	FRAME WIDTH (BOTTOM)	S 8352		W + 60	01	COLOR RAL 9010
3.	FRAME HEIGHT	S 8352		H + 30	02	COLOR RAL 9010
4.	SASH WIDTH	S 8355		W/2 - 24.5	04	COLOR RAL 9010
5.	SASH HEIGHT	S 8355		H - 44	04	COLOR RAL 9010
6.	ADOPTER	S 8365		H - 44	01	COLOR RAL 9010
7.	CONNECTING ROD	2310		1 H	02	COLOR RAL 9010
8.	DROPER WIDTH	2281		W - 109.6	01	COLOR RAL 9010
9.	GL.CLIP WIDTH	S 8372		W/2 - 114.5	04	COLOR RAL 9010
10.	GL.CLIP HEIGHT	S 8372		H - 178	04	COLOR RAL 9010
11.	CORNER CLEAT FOR FRAME	5574		37.2	04	MILL FINISH
12.	CORNER CLEAT FOR SASH	5574		48.2	08	MILL FINISH

ACCESSORIES LIST

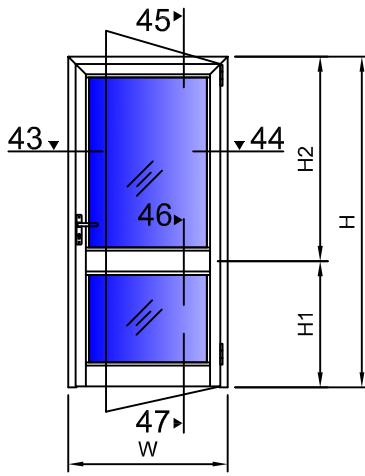
ITEM No.	ACCESSORIES LAVAAL No.	DESCRIPTION	FINISH	DOUBLE LEAF	
1.	ART 06240.00.00	HINGES FOR OVERLAP	P. C	04	
2.	ART 08430.00.00	HANDLE	P. C	01	
3.	ART 04730.00.00	KIT FOR HANDLE (OPEN IN)	M. F	01	
4.	ART 07300.00.00	FLUSH BOLT FOR COMBINED WING	M. F	1 SET	
5.	ART 01730.00.00	DRAIN HOLE COVER	M. F	1 SET	
6.		PLASTIC 5mm GL BLOCK	M. F	08	
			M. F		

E.P.D.M. GASKET LIST

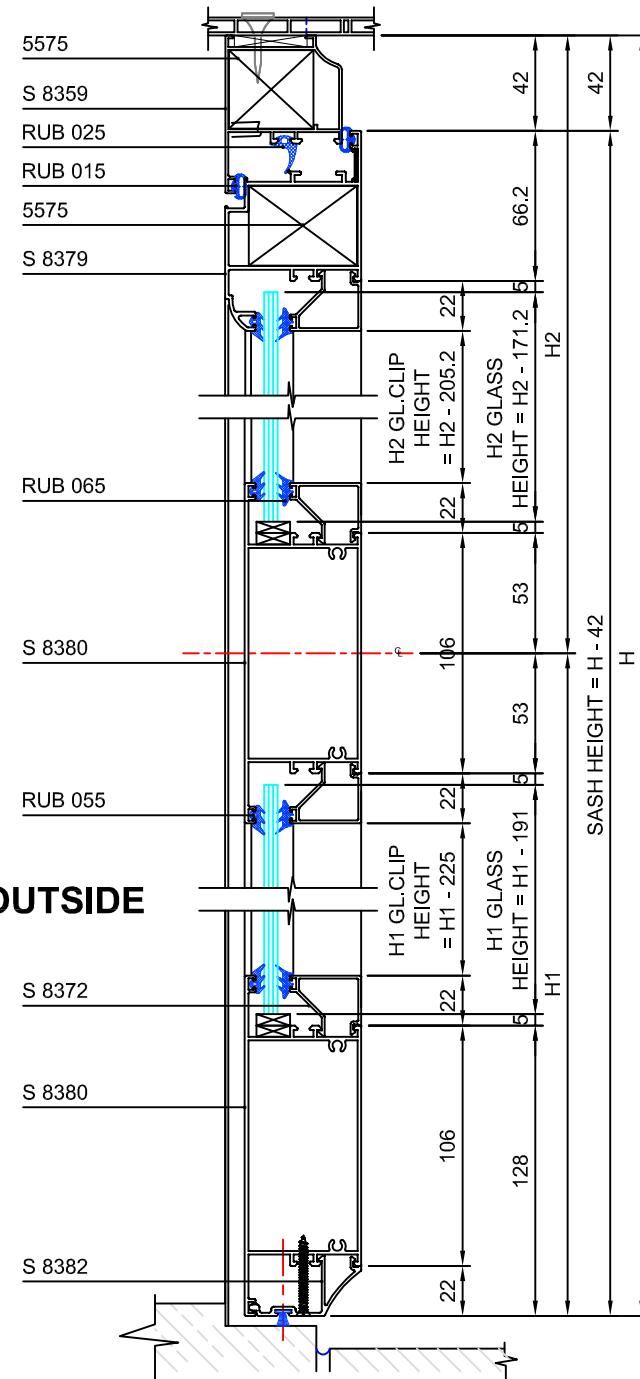
ITEM No.	GASKET CODE No.	DESCRIPTION	DOUBLE LEAF	
1.	RUB 055	OUTER GASKET	2W + 4H	
2.	RUB 065	INNER GASKET	2W + 4H	
3.	RUB 015	IMPACT GASKET EXTERNAL	2W + 7H	
4.	RUB 025	CENTRE GASKET	2W + 3H	

AL-WIN 80® CASEMENT SERIES

INWARD OPENING HINGED DOOR

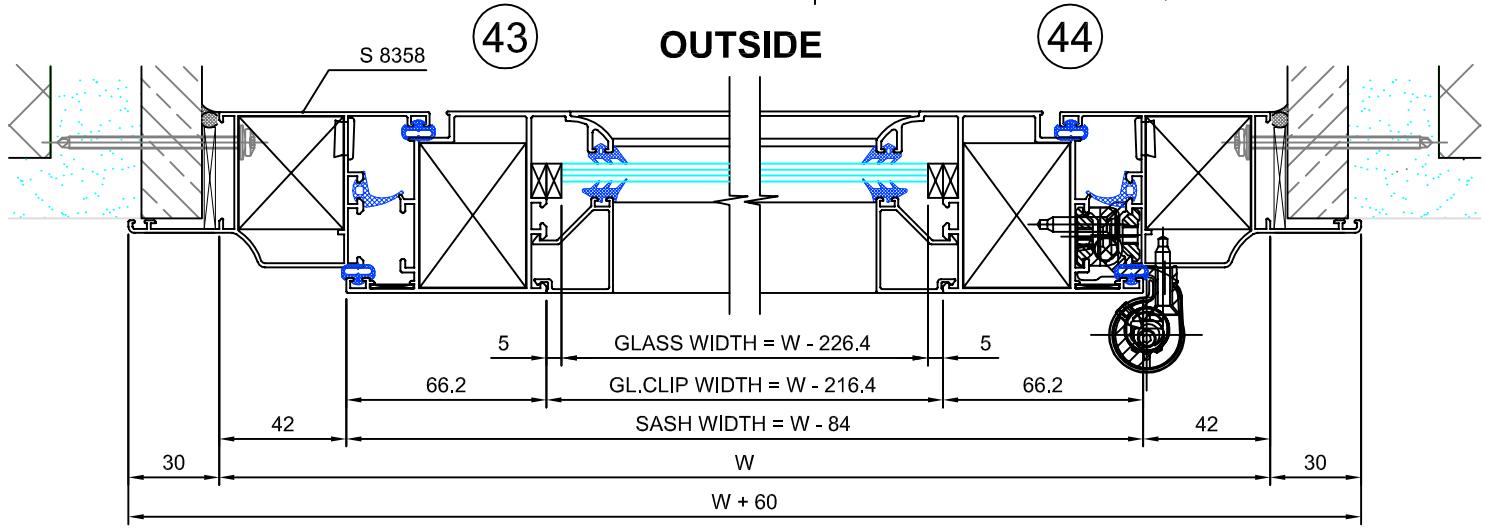


**LEVEL
SINGLE LEAF
(OPENING INSIDE)
SINGLE 6mm GLAZING**



OUTSIDE

INSIDE

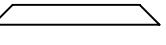
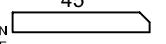
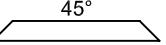
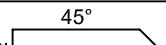
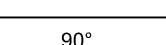
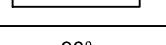
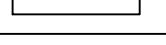
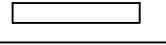
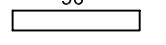
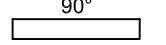
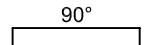


INSIDE

AL-WIN 80® CASEMENT SERIES

INWARD OPENING HINGED DOOR

PROFILE CUTTING LIST

ITEM No.	DESCRIPTION & SECTION SHAPE	PROFILE No.	PROFILE CUTTING ANGLE	CUTTING SIZE	No. OF PIECES	REMARKS
1.	 FRAME WIDTH	S 8359		W	01	
2.	 FRAME HEIGHT	S 8358		H	02	
3.	 SASH WIDTH	S 8379		W - 84	01	
4.	 SASH HEIGHT	S 8379		H - 42	02	
5.	 MIDRAIL WIDTH	S 8380		W - 132.4	01	
6.	 BOTTOMRAIL WIDTH	S 8380		W - 132.4	01	
7.	 BRUSH HOLDER	S 8382		W - 132.4	01	
8.	 GL CLIP WIDTH	S 8372		W - 216.4	04	
9.	 GL CLIP HEIGHT FOR H1	S 8372		H1 - 225	02	
10.	 GL CLIP HEIGHT FOR H2	S 8372		H2 - 205.2	02	
11.	 CORNER CLEAT FOR FRAME	5575		37.2	02	
12.	 CORNER CLEAT FOR SASH	5575		48.2	02	

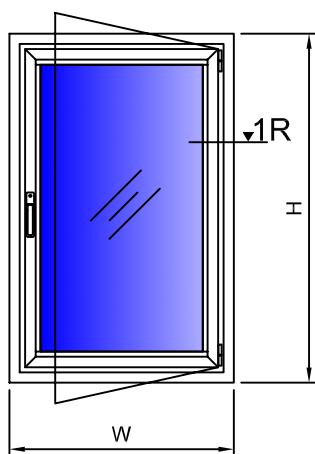
ACCESSORIES LIST

ITEM No.	ACCESSORIES LAVAAL No.	DESCRIPTION	FINISH	SINGLE LEAF	ITEM No.	GASKET CODE No.	DESCRIPTION	SINGLE LEAF	
1.	ART 07800.00.00	DOOR HINGES	P. C	02	1.	RUB 015	IMPACT GASKET INTERNAL	2W + 4H	
2.	ART 08500.00.00	DOOR LIVER HANDLE	P. C	01	2.	RUB 025	CENTER GASKET	1W + 2H	
3.	00365	ALIGNMENT CORNER		02	3.	RUB 055	INTERNAL GLAZING GASKET	4W + 2H	
4.	91130	DOMUS LOCK SET		01	4.	RUB 065	EXTERNAL GLAZING GASKET	4W + 2H	
5.	16060	DOMUS CYLINDER 60mm		01					
6.	90185X	DOMUS STRIKING PLATE		01					

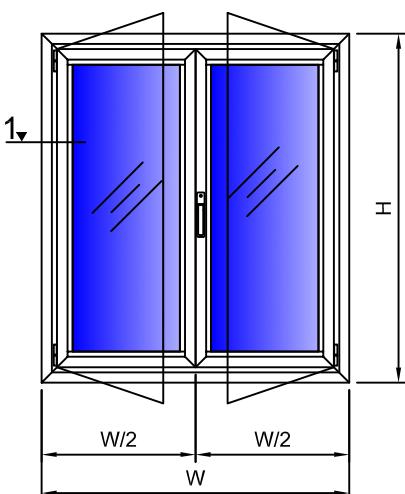
E.P.D.M. GASKET LIST

AL-WIN 80® CASEMENT SERIES

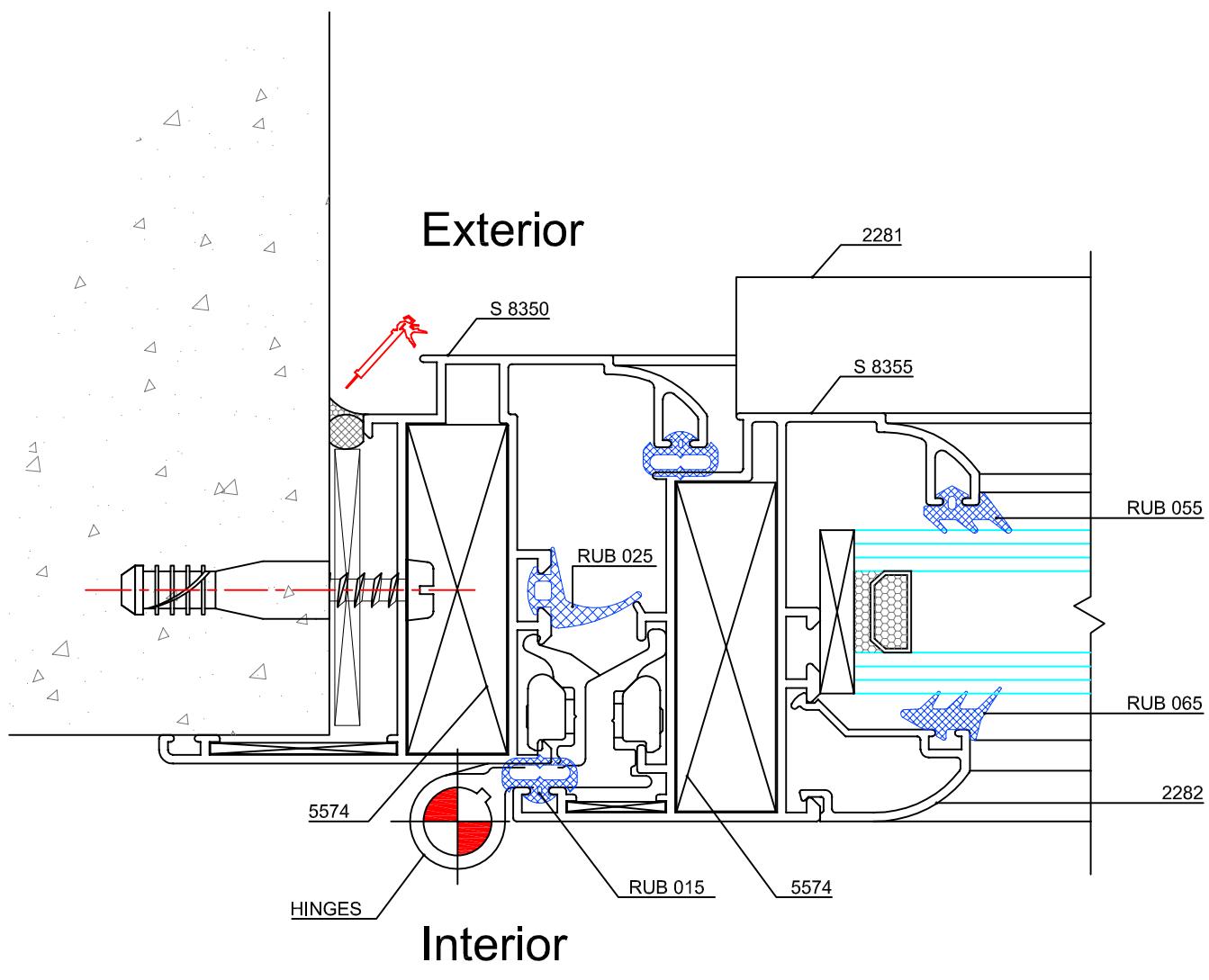
SIDE HUNG WINDOW INWARD OPENABLE



ELEVATION
SINGLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING



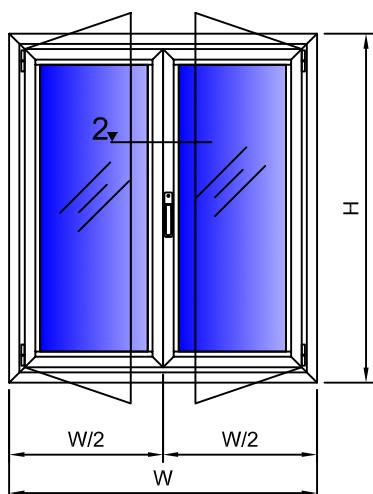
ELEVATION
DOUBLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING



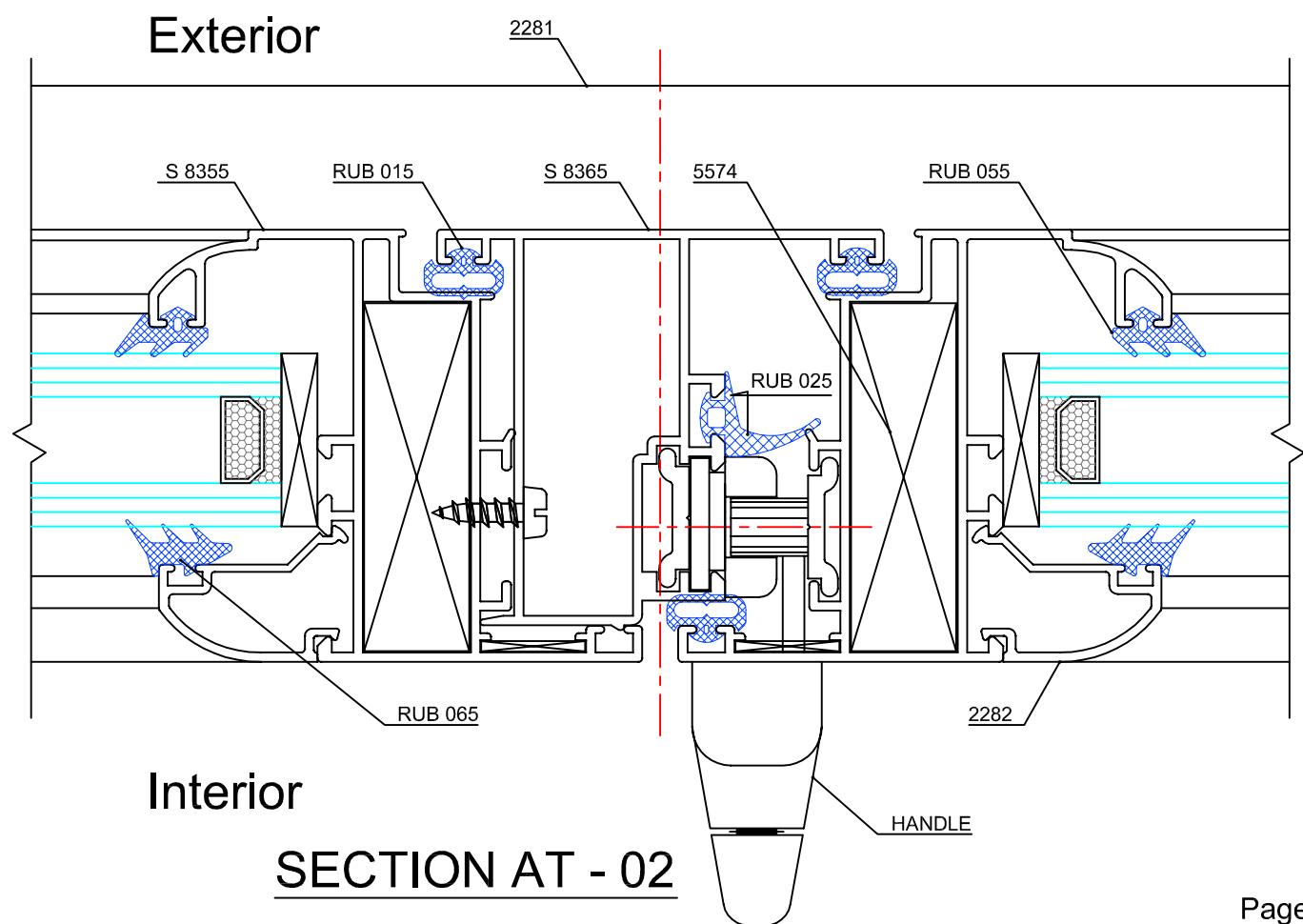
SECTION AT - 01

AL-WIN 80® CASEMENT SERIES

SIDE HUNG WINDOW INWARD OPENABLE

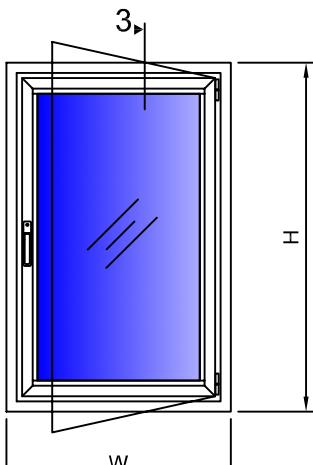


ELEVATION
DOUBLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING

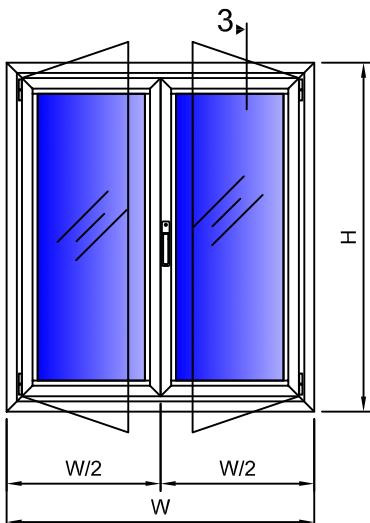


AL-WIN 80® CASEMENT SERIES

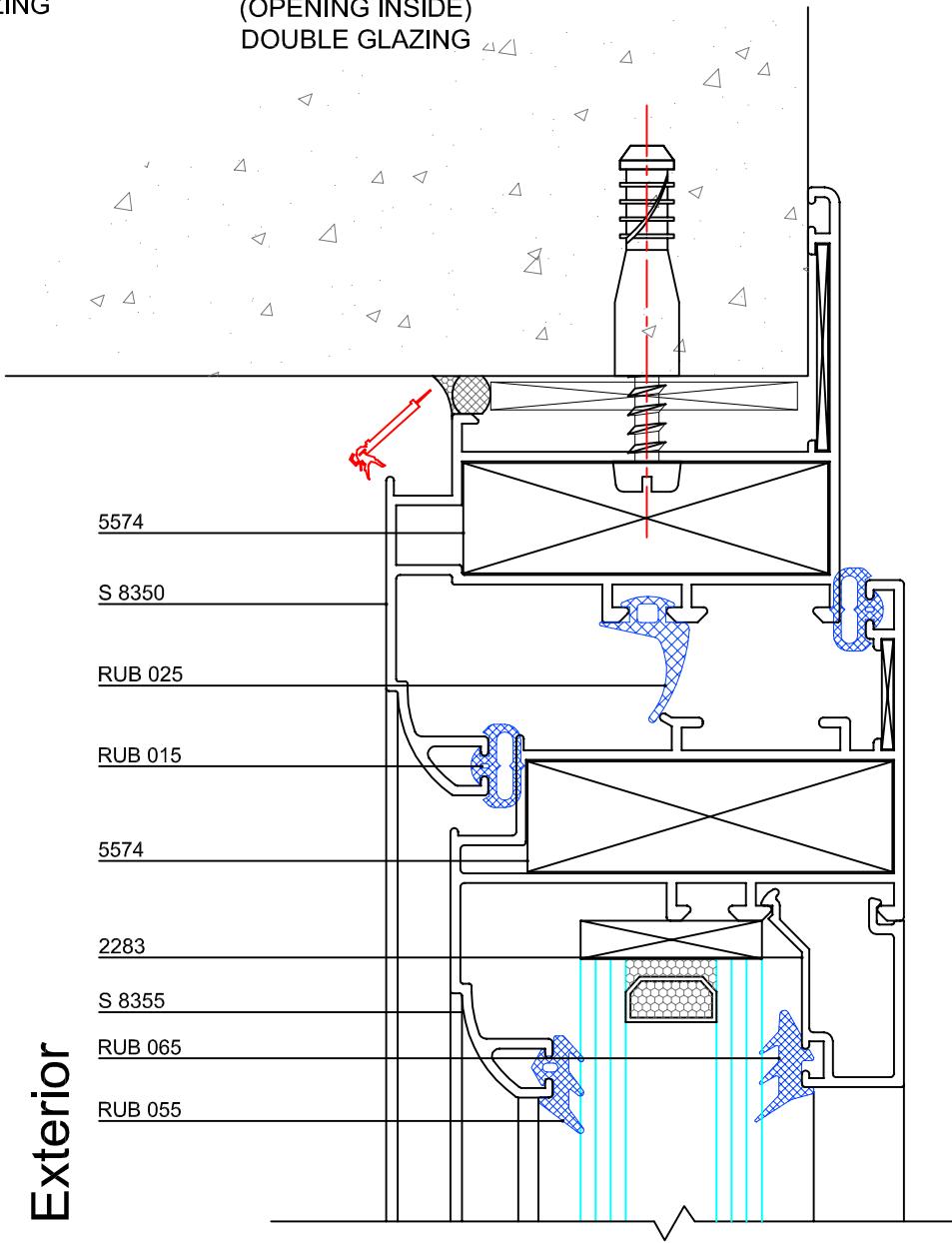
SIDE HUNG WINDOW INWARD OPENABLE



ELEVATION
SINGLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING



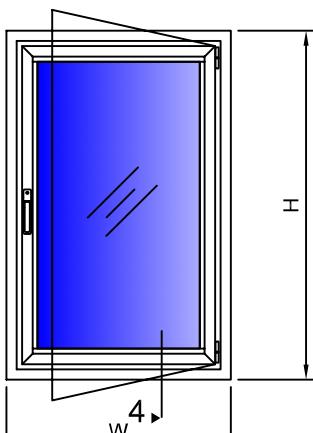
ELEVATION
DOUBLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING



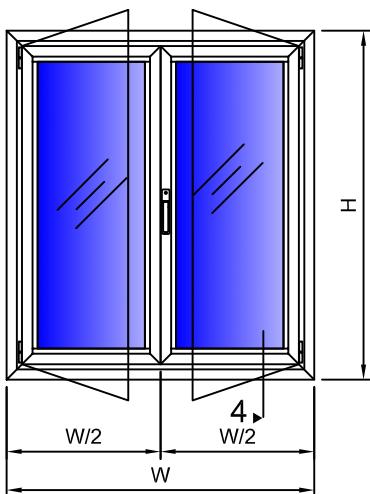
SECTION AT - 03

AL-WIN 80® CASEMENT SERIES

SIDE HUNG WINDOW INWARD OPENABLE



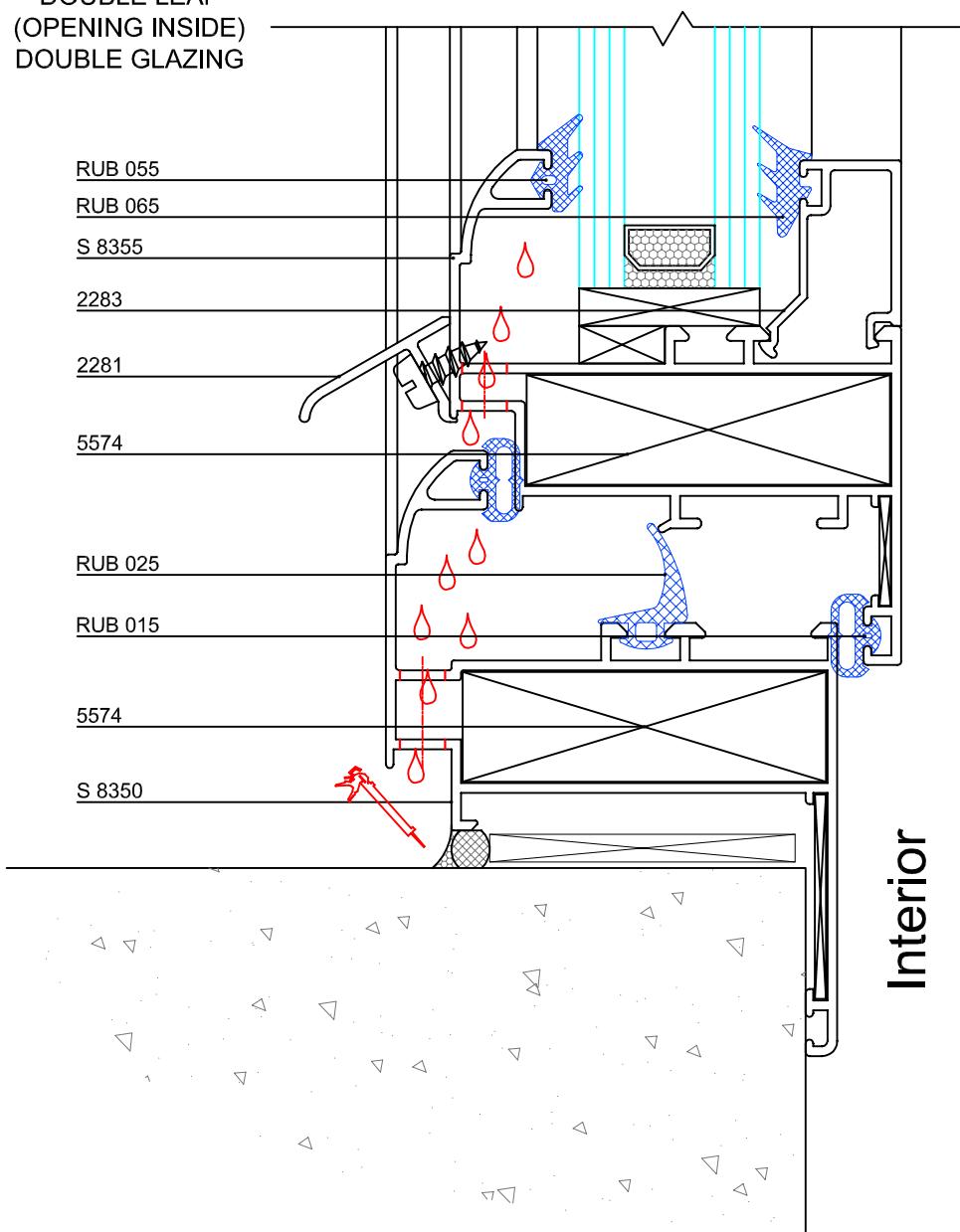
ELEVATION
SINGLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING



ELEVATION
DOUBLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING

Exterior

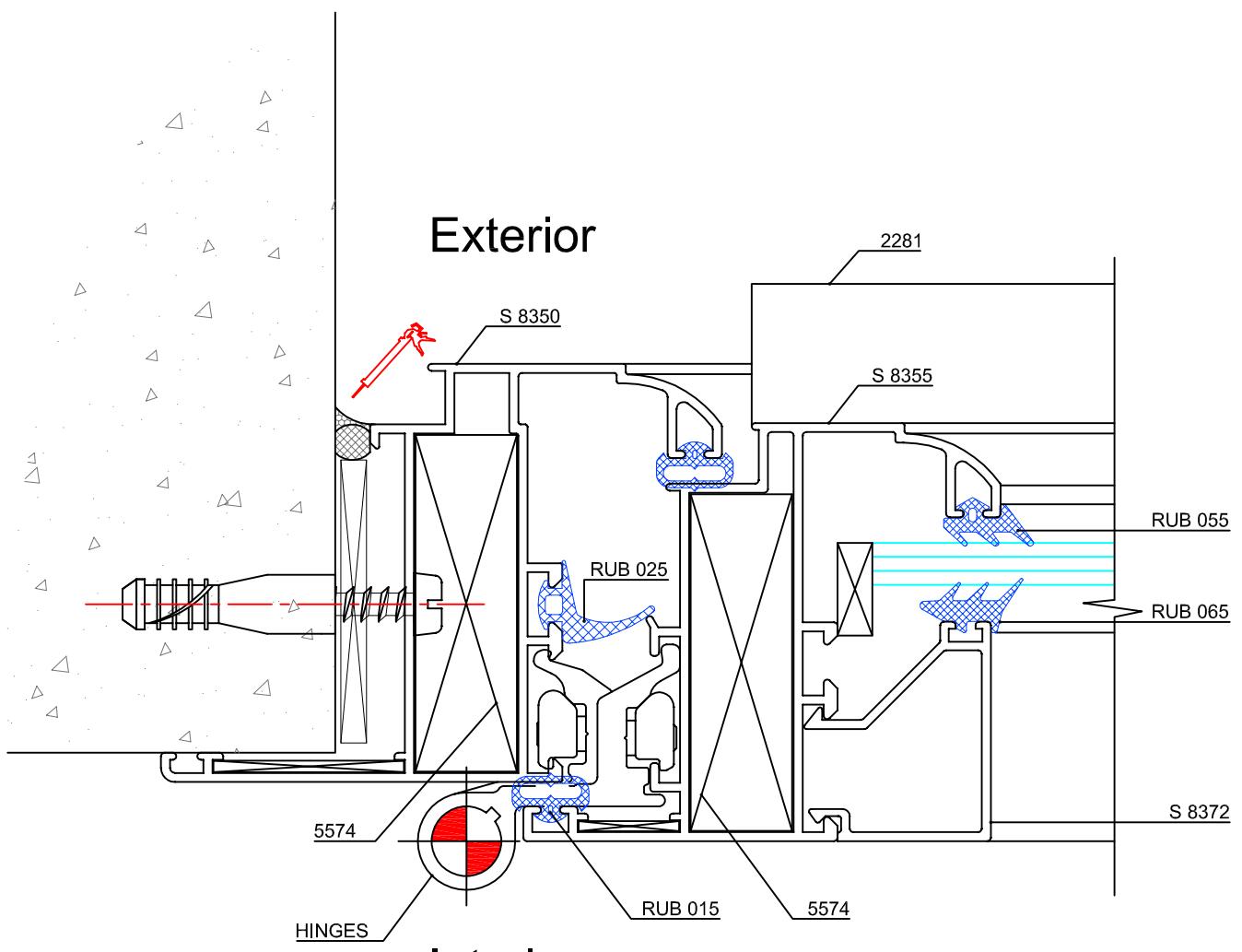
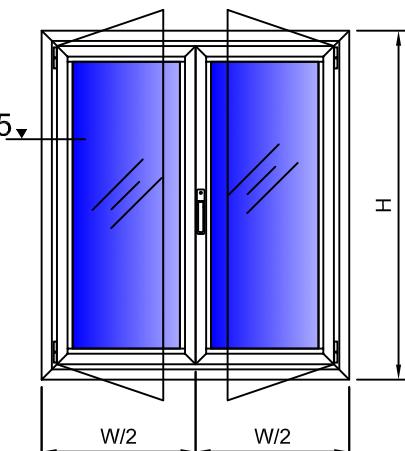
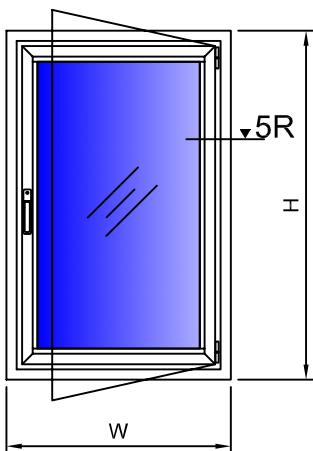
Interior



SECTION AT - 04

AL-WIN 80® CASEMENT SERIES

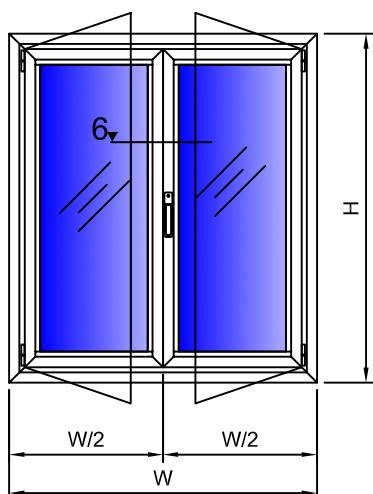
SIDE HUNG WINDOW INWARD OPENABLE



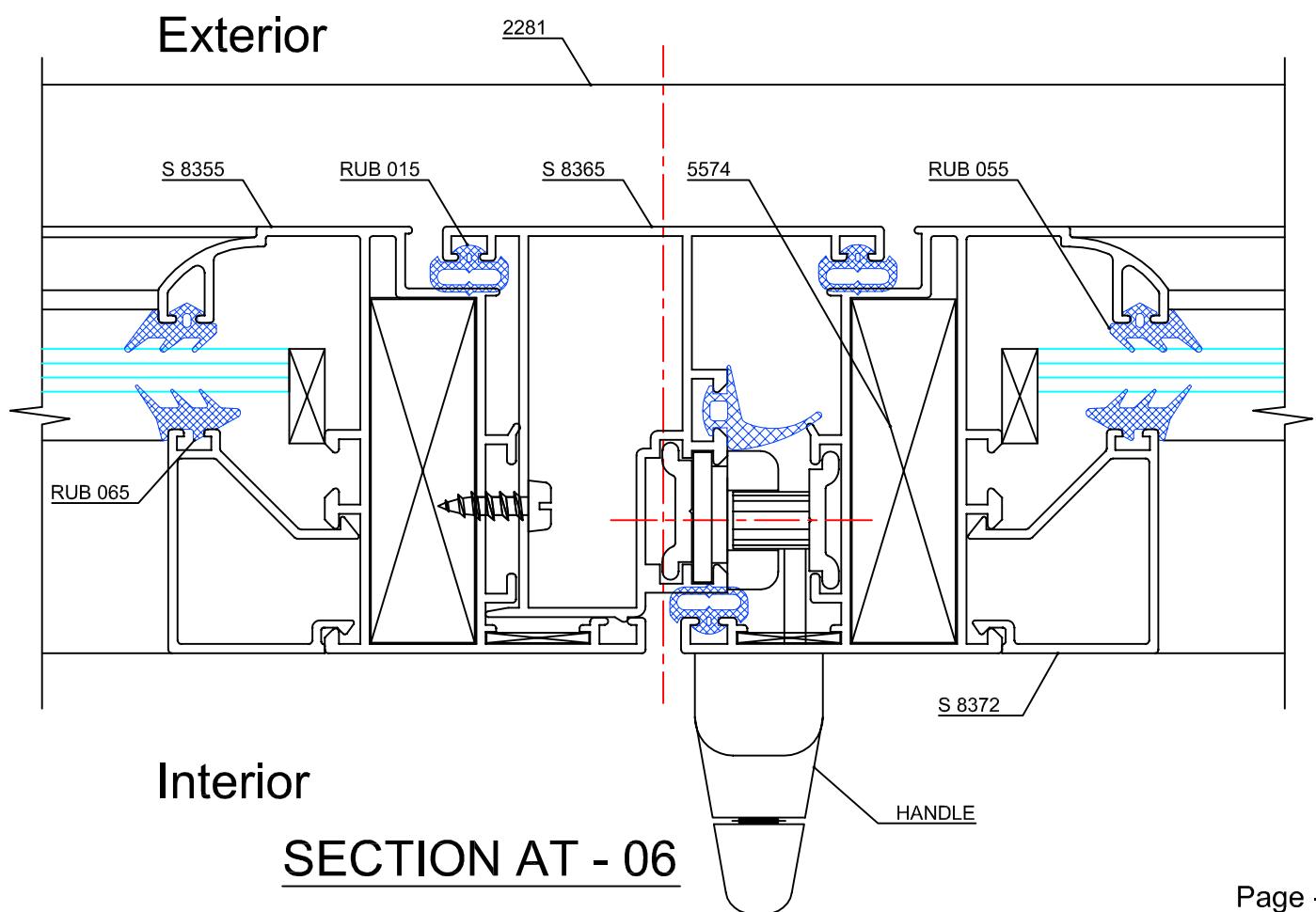
SECTION AT - 05

AL-WIN 80® CASEMENT SERIES

SIDE HUNG WINDOW INWARD OPENABLE



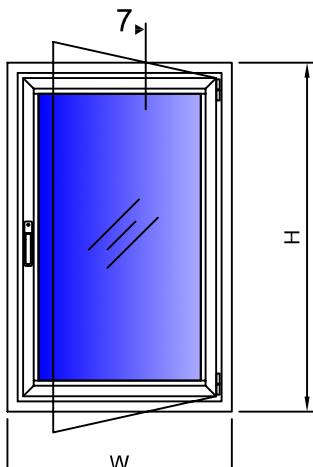
ELEVATION
DOUBLE LEAF
(OPENING INSIDE)
SINGLE GLAZING



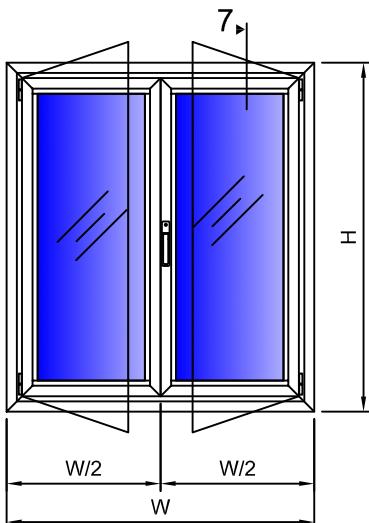
SECTION AT - 06

AL-WIN 80® CASEMENT SERIES

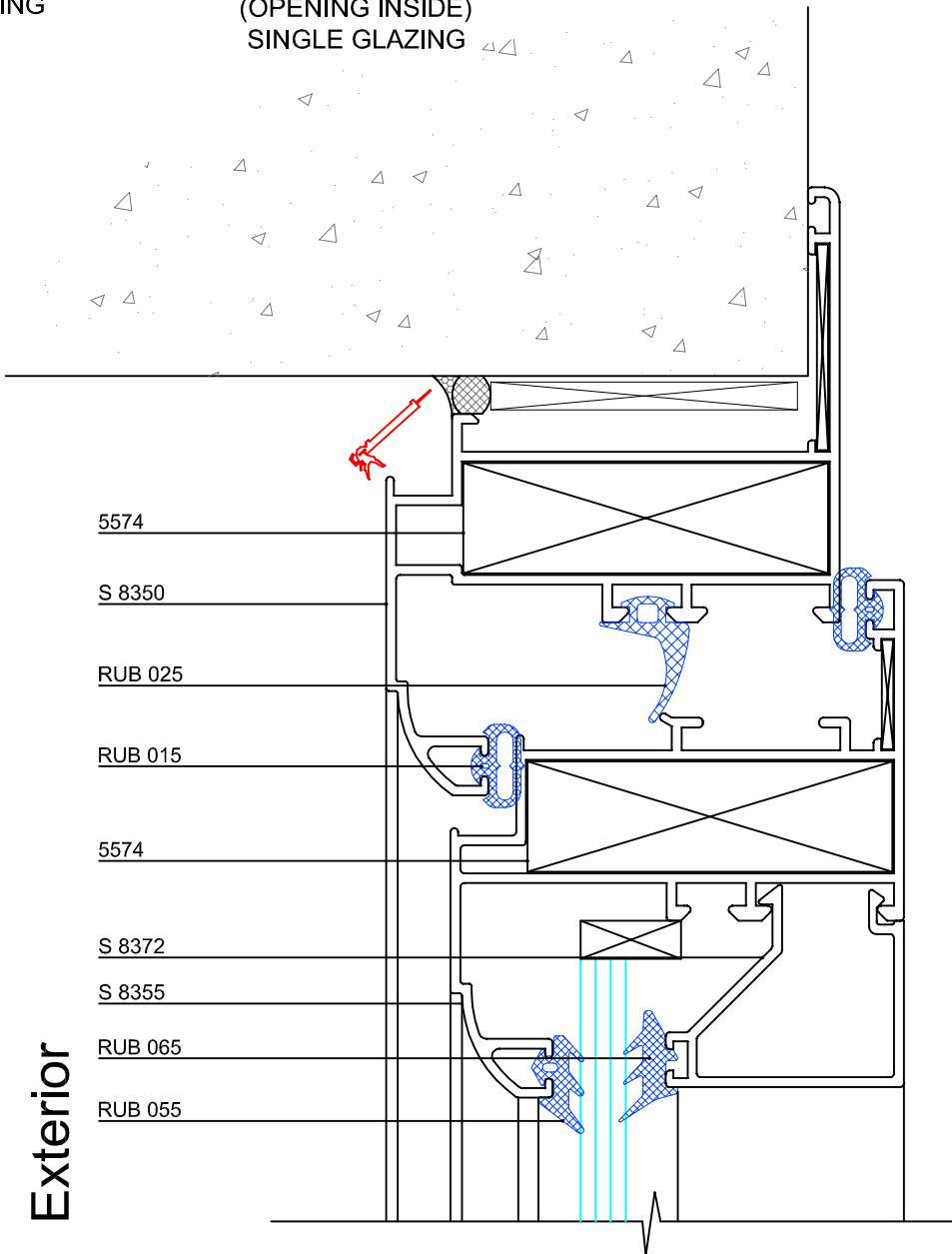
SIDE HUNG WINDOW INWARD OPENABLE



ELEVATION
SINGLE LEAF
(OPENING INSIDE)
SINGLE GLAZING



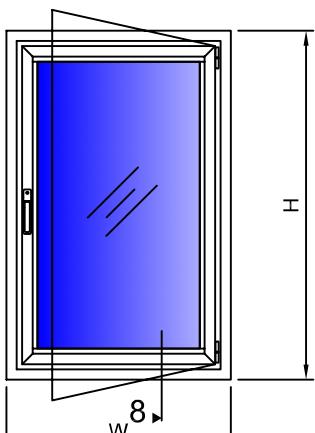
ELEVATION
DOUBLE LEAF
(OPENING INSIDE)
SINGLE GLAZING



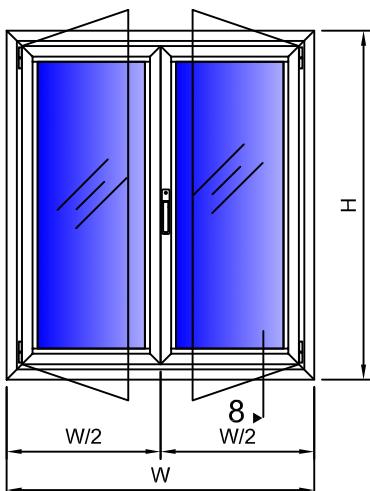
SECTION AT - 07

AL-WIN 80® CASEMENT SERIES

SIDE HUNG WINDOW INWARD OPENABLE



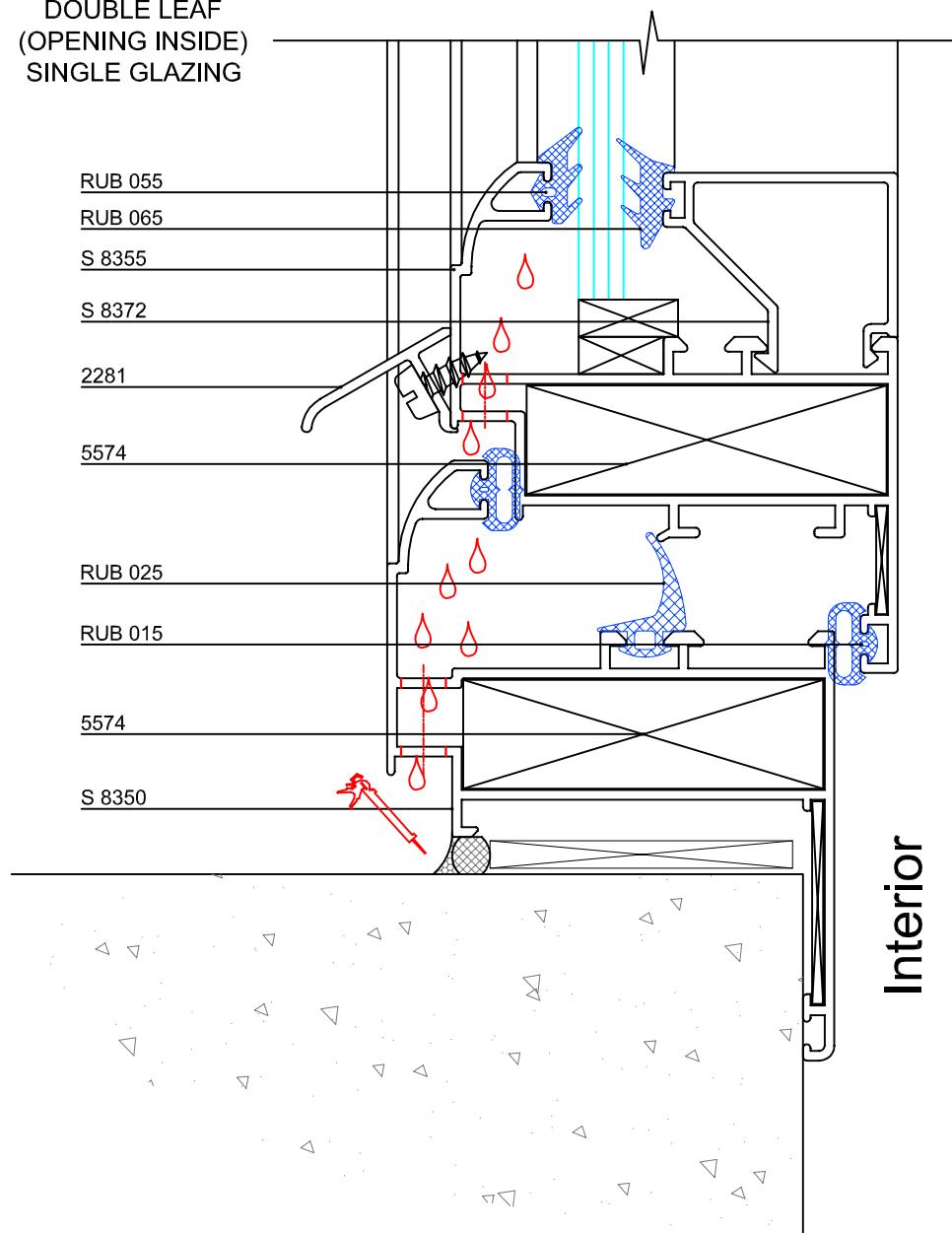
ELEVATION
SINGLE LEAF
(OPENING INSIDE)
SINGLE GLAZING



ELEVATION
DOUBLE LEAF
(OPENING INSIDE)
SINGLE GLAZING

Exterior

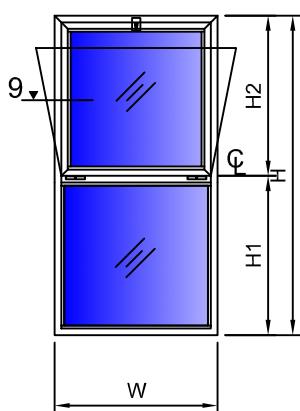
Interior



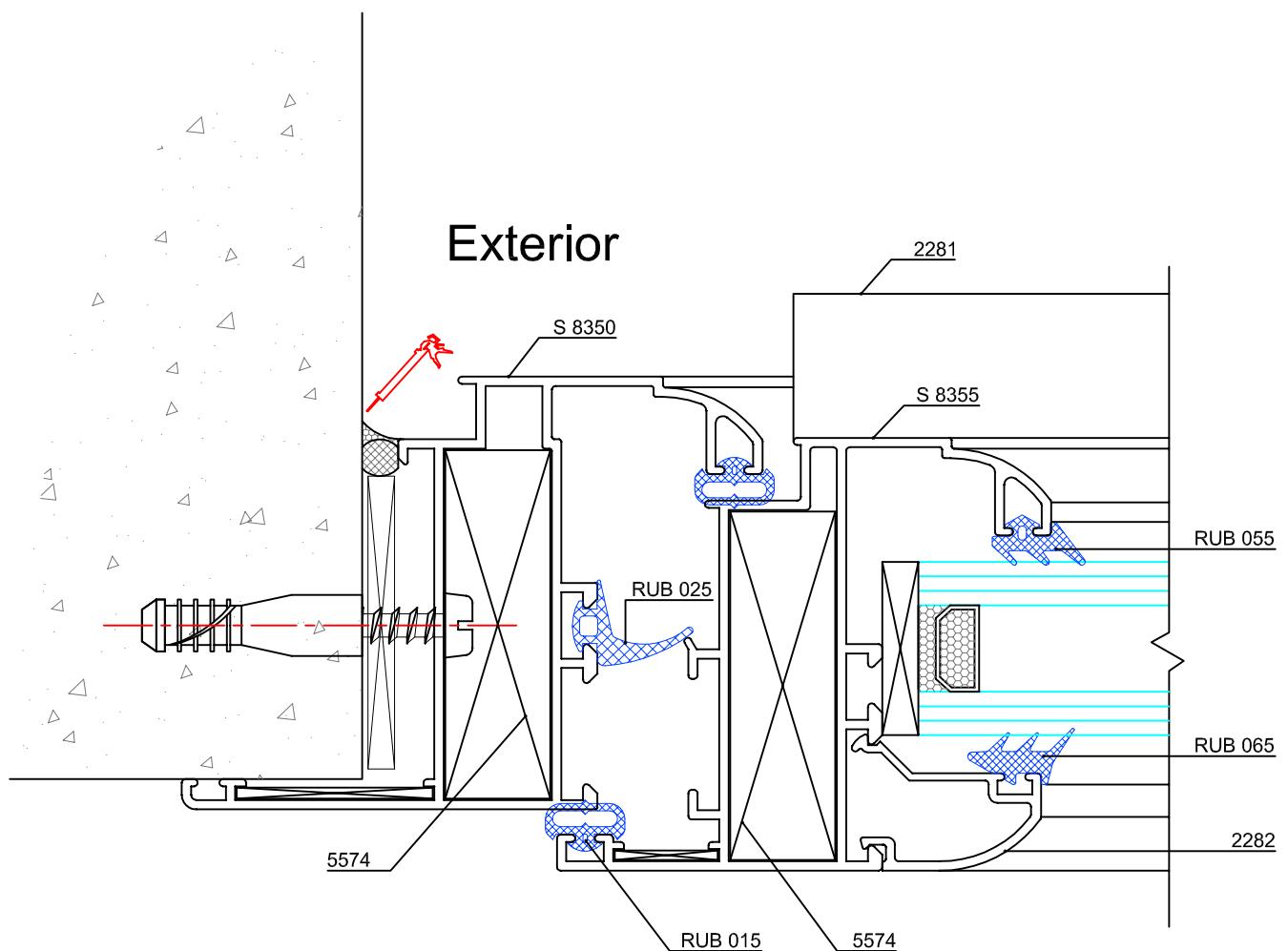
SECTION AT - 08

AL-WIN 80® CASEMENT SERIES

SIDE HUNG WINDOW WITH BOTTOM FIXLITE



ELEVATION
SINGLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING

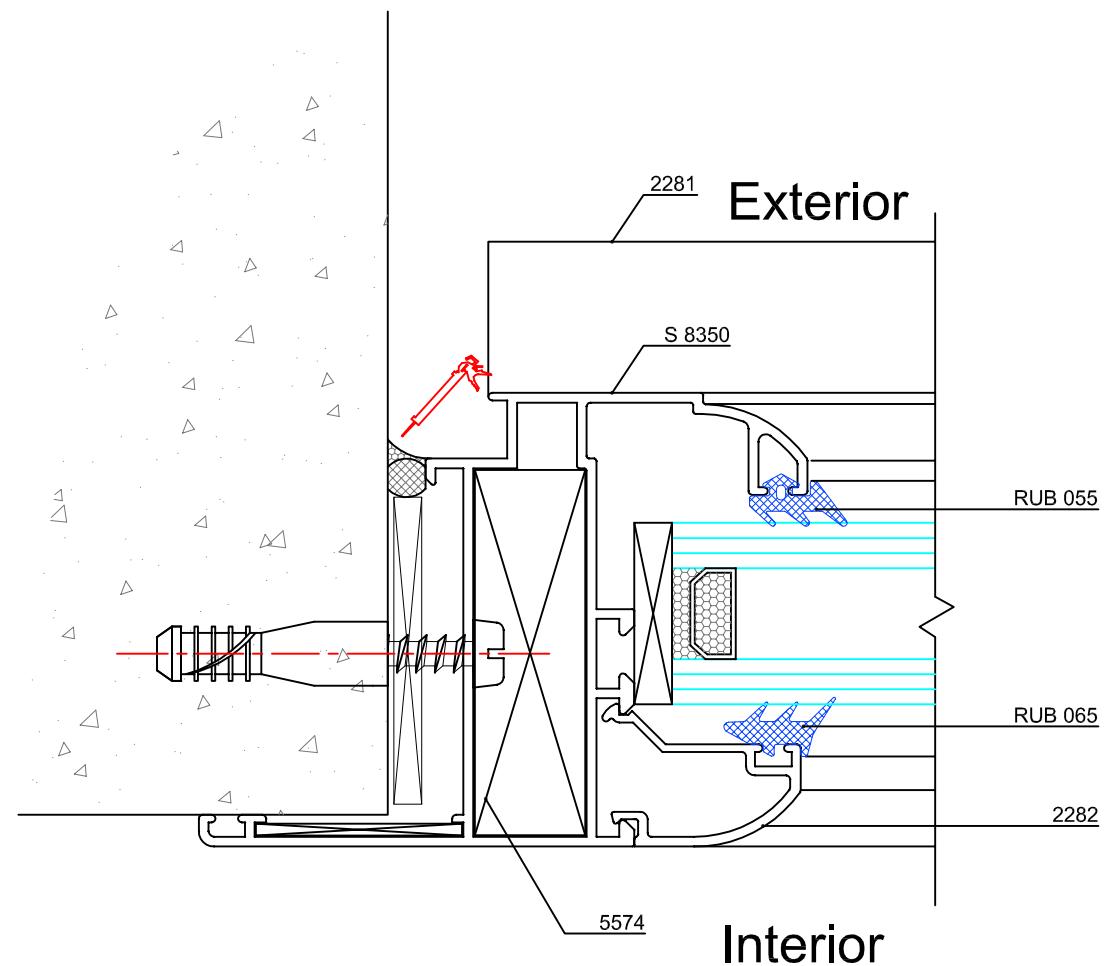
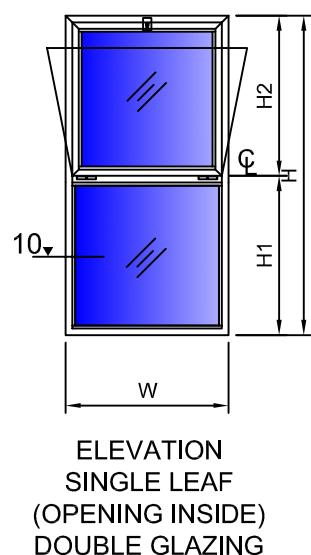


Interior

SECTION AT - 09

AL-WIN 80® CASEMENT SERIES

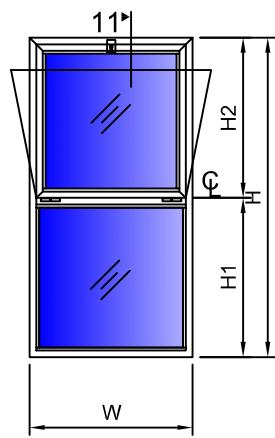
SIDE HUNG WINDOW WITH BOTTOM FIXLITE



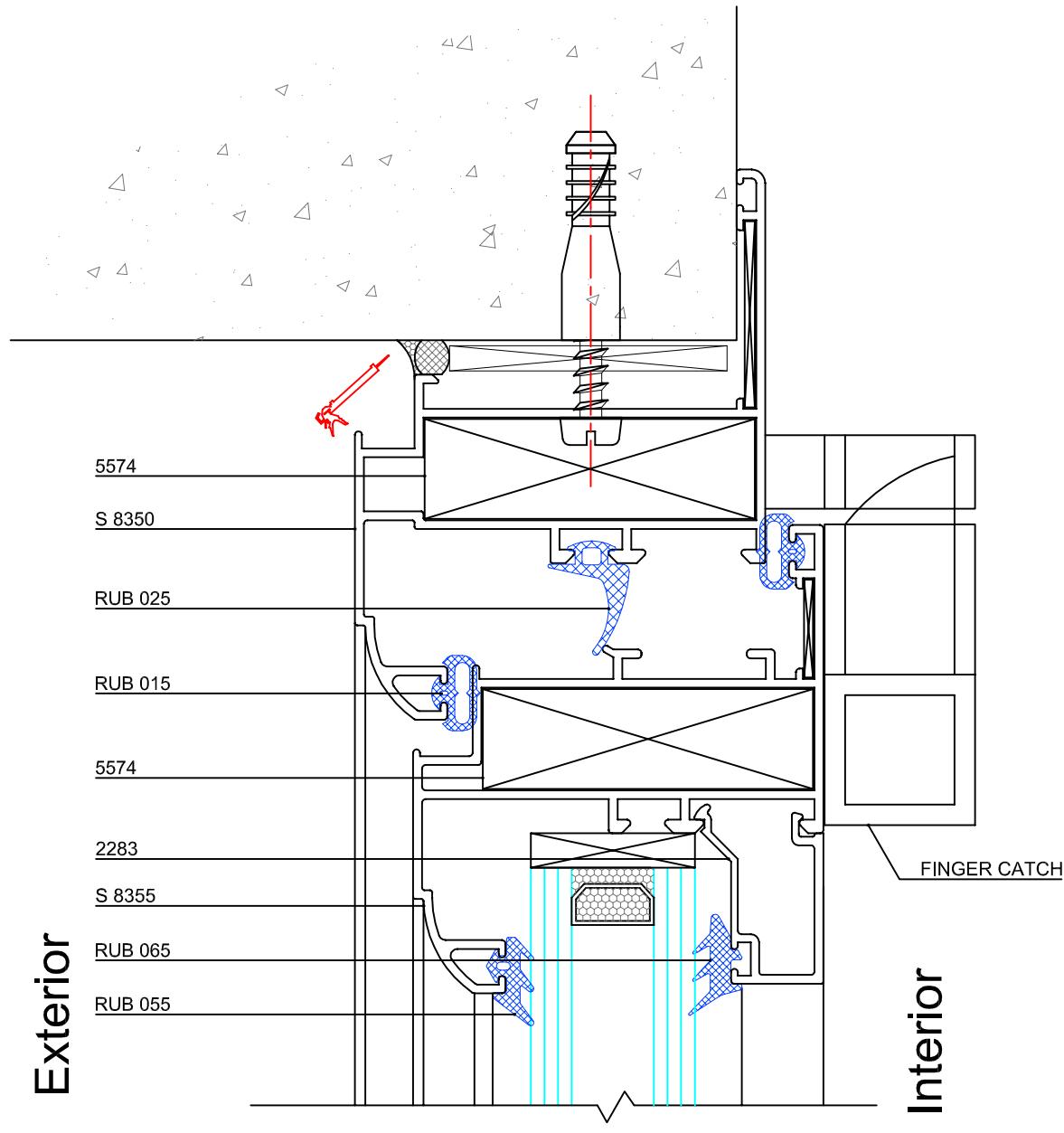
SECTION AT - 10

AL-WIN 80® CASEMENT SERIES

SIDE HUNG WINDOW WITH BOTTOM FIXLITE



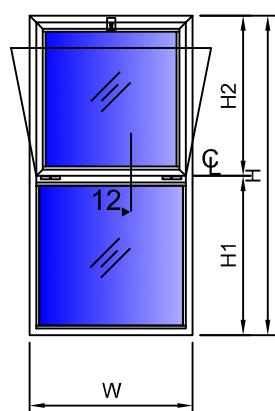
ELEVATION
SINGLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING



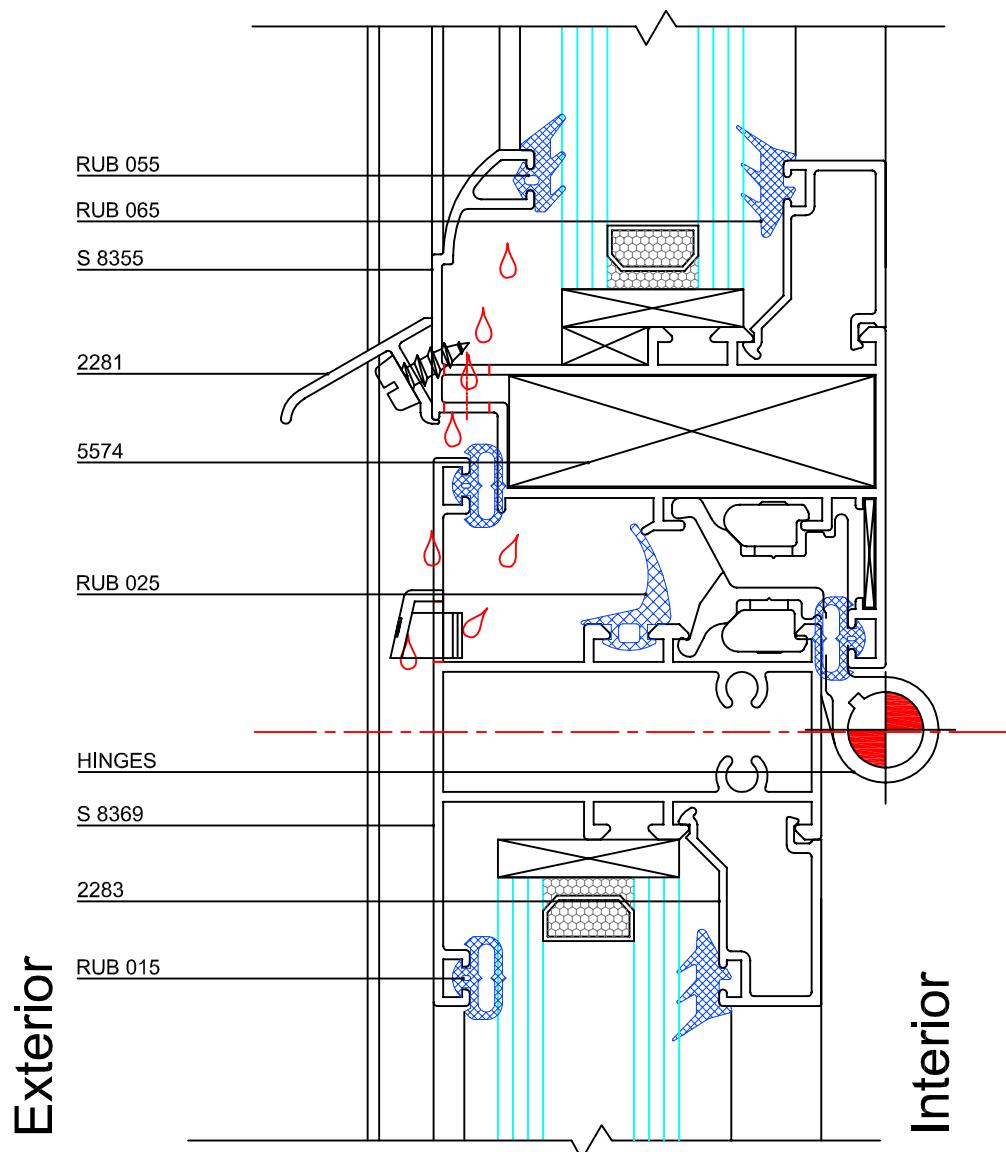
SECTION AT - 11

AL-WIN 80® CASEMENT SERIES

SIDE HUNG WINDOW WITH BOTTOM FIXLITE



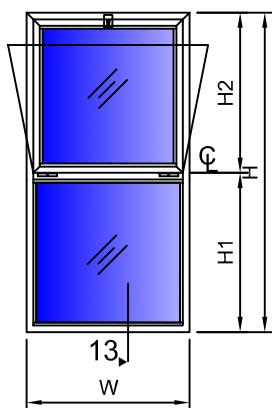
ELEVATION
SINGLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING



SECTION AT - 12

AL-WIN 80® CASEMENT SERIES

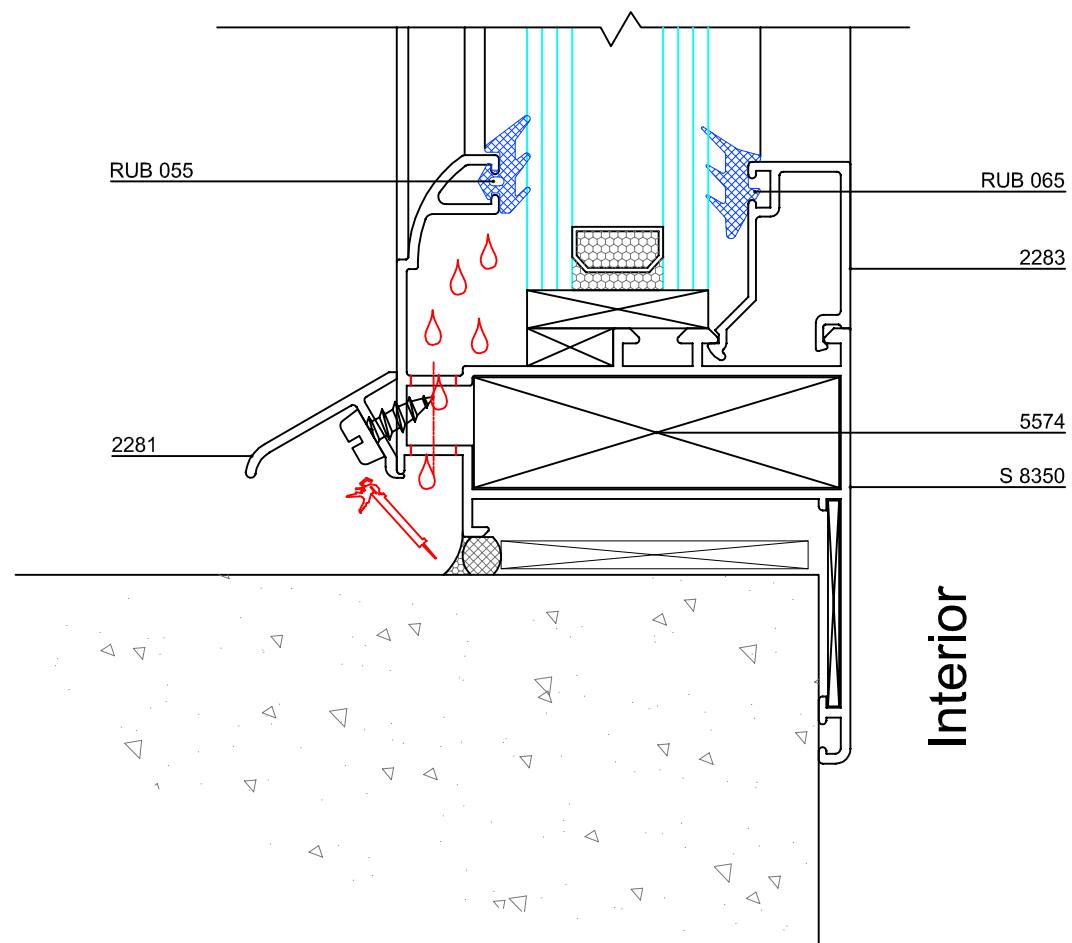
SIDE HUNG WINDOW WITH BOTTOM FIXLITE



ELEVATION
SINGLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING

Exterior

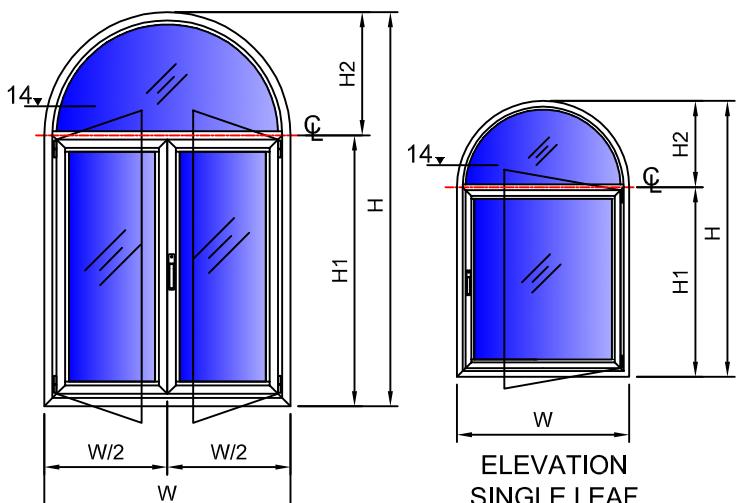
Interior



SECTION AT - 13

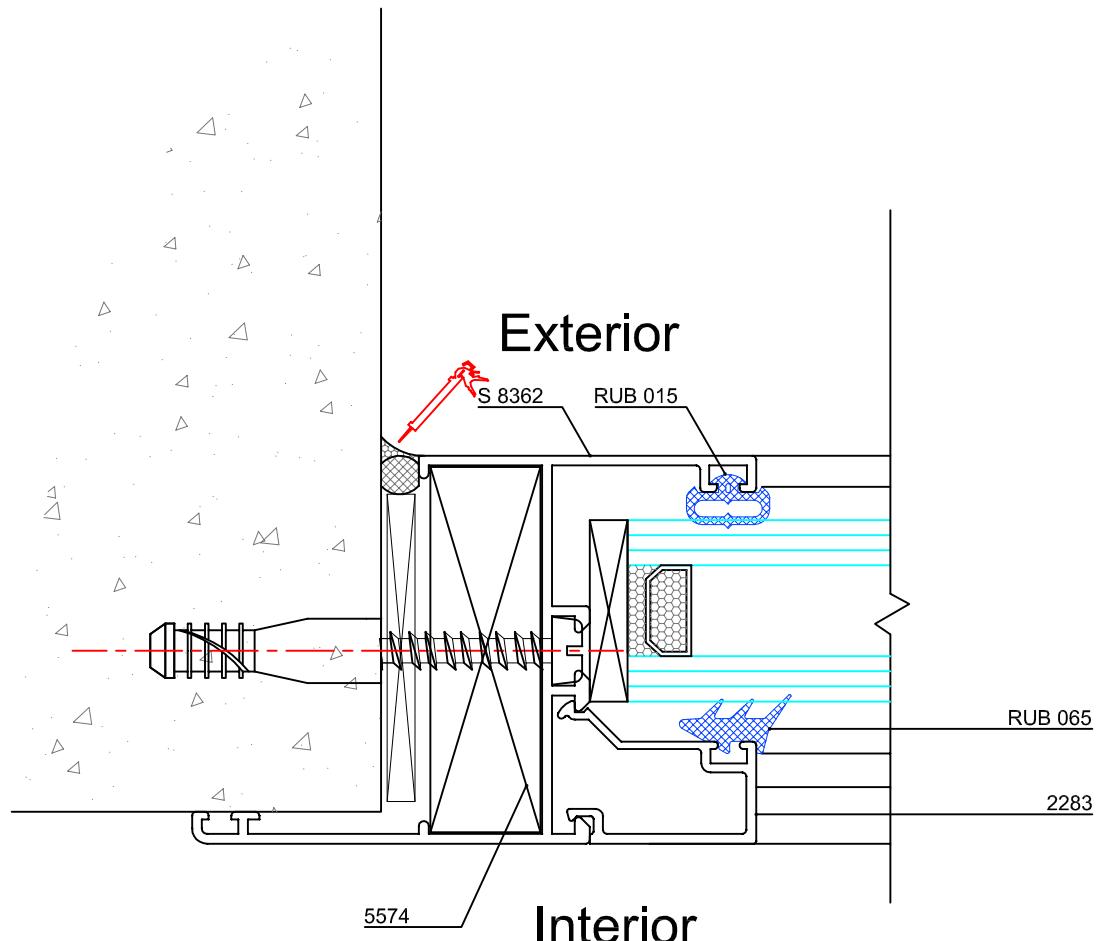
AL-WIN 80® CASEMENT SERIES

SIDE HUNG WINDOW WITH TOP ARCH



ELEVATION
DOUBLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING

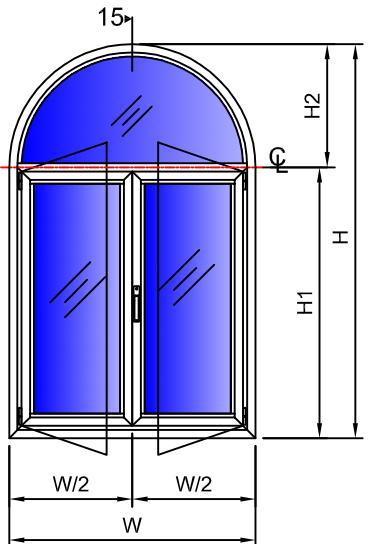
ELEVATION
SINGLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING



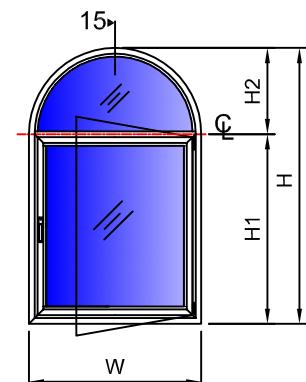
SECTION AT - 14

AL-WIN 80® CASEMENT SERIES

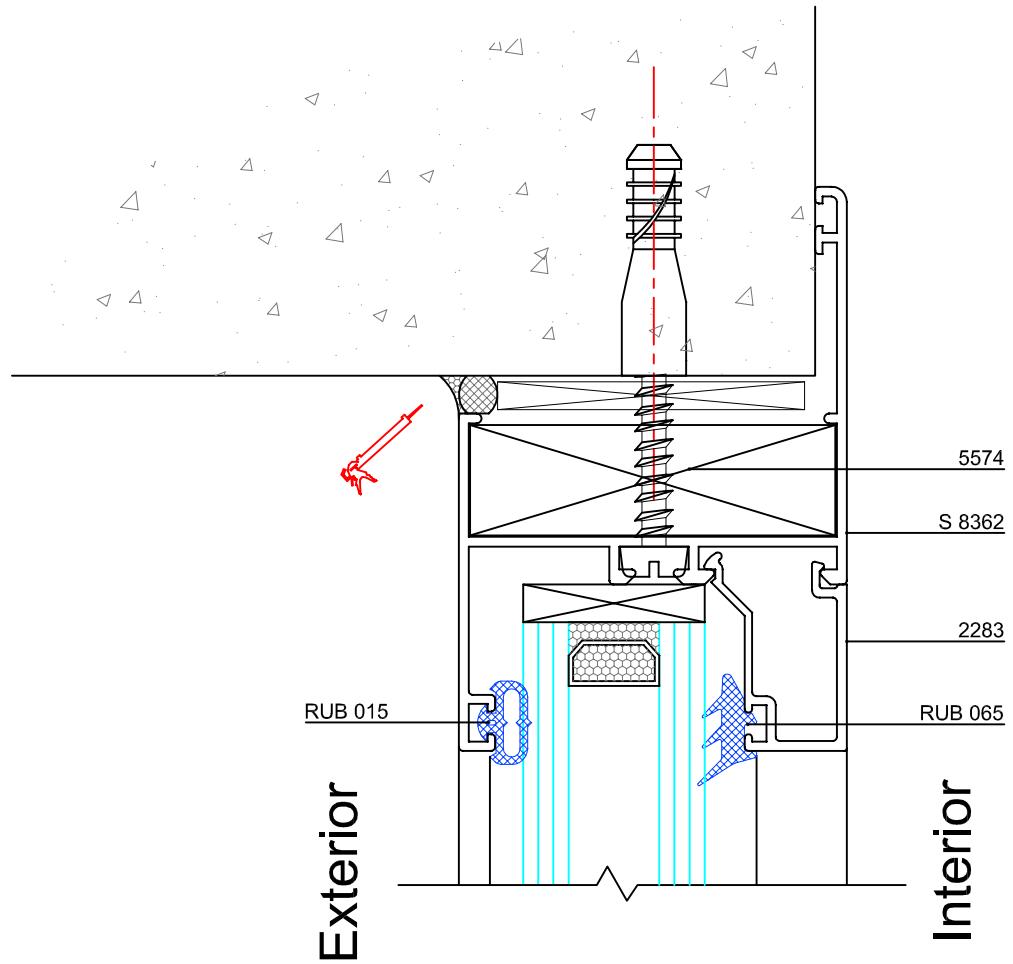
SIDE HUNG WINDOW WITH TOP ARCH



ELEVATION
DOUBLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING



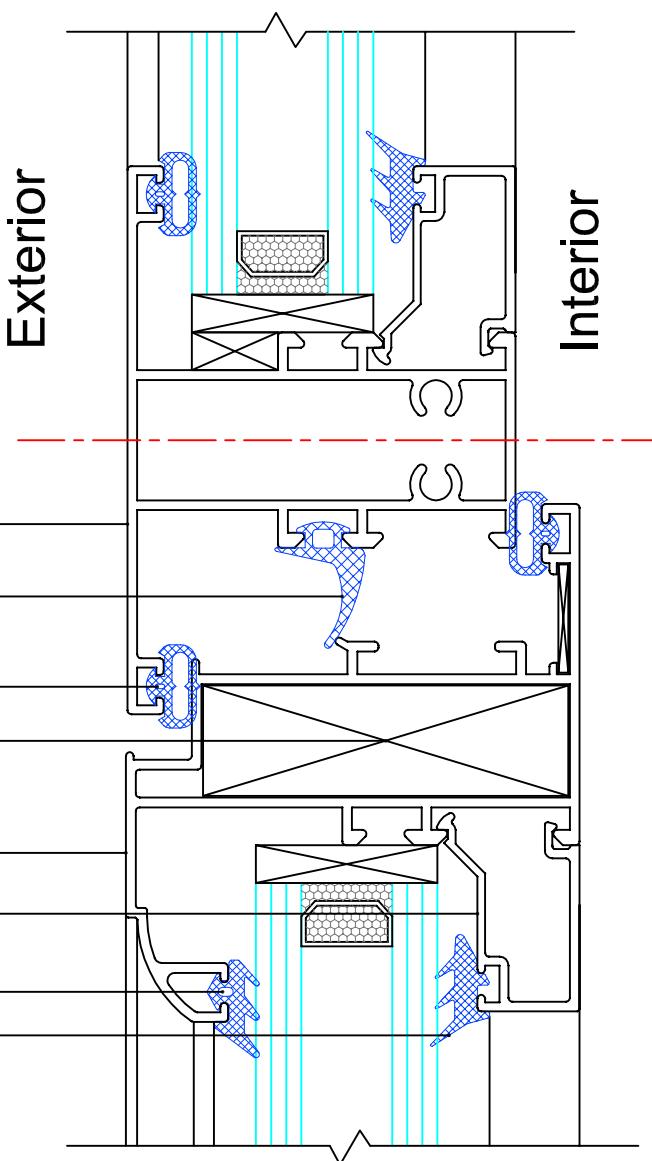
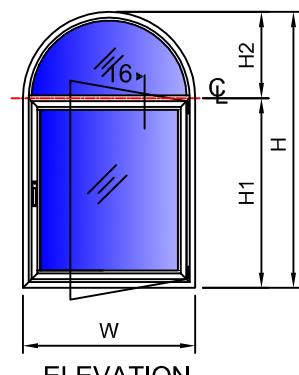
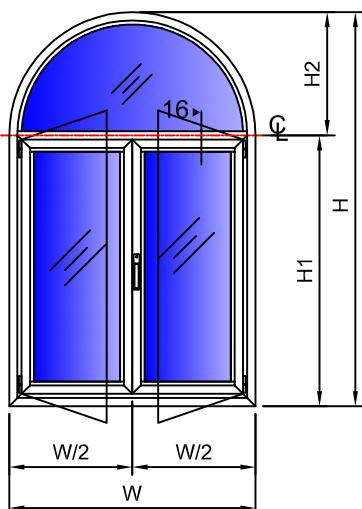
ELEVATION
SINGLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING



SECTION AT - 15

AL-WIN 80® CASEMENT SERIES

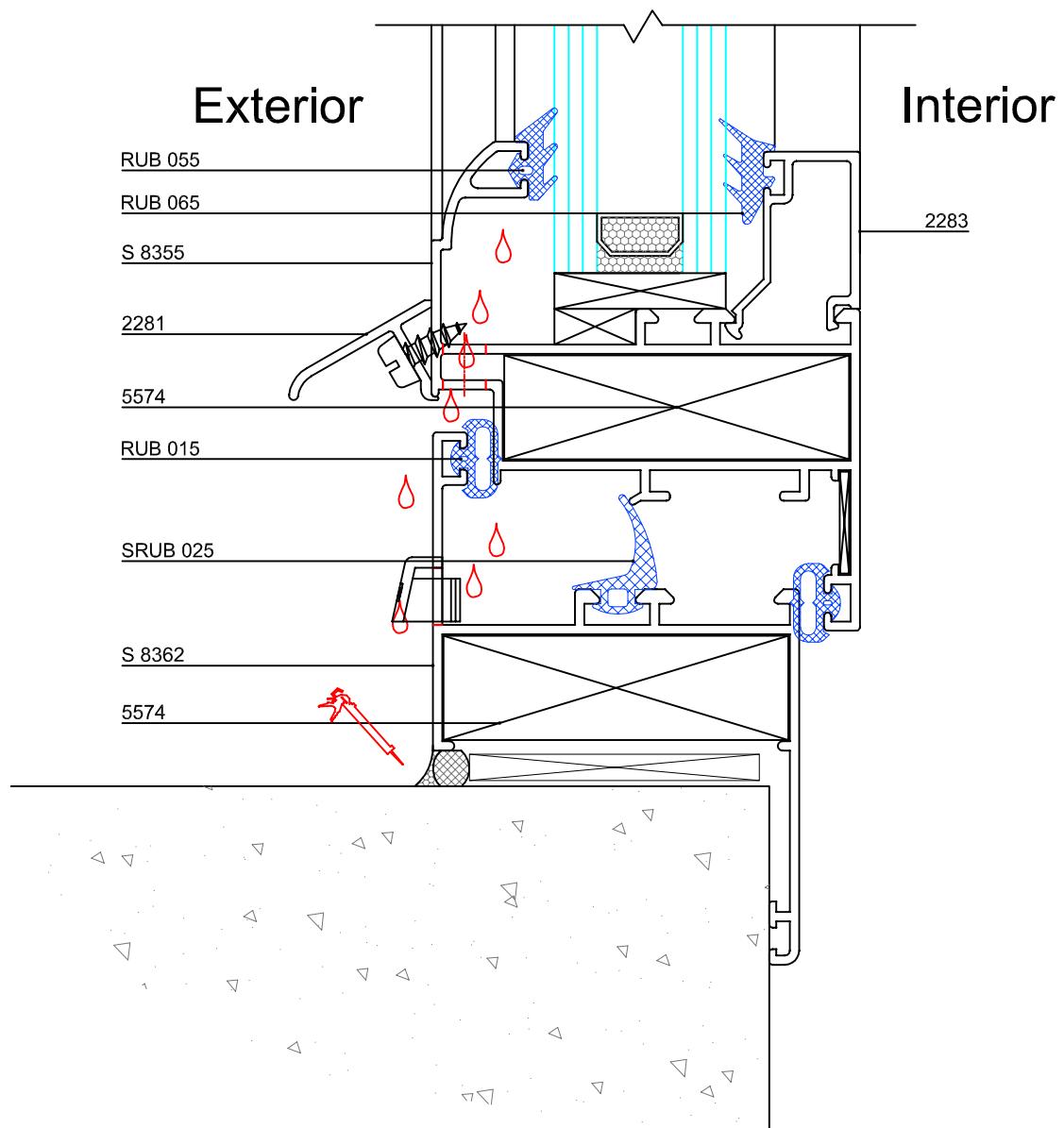
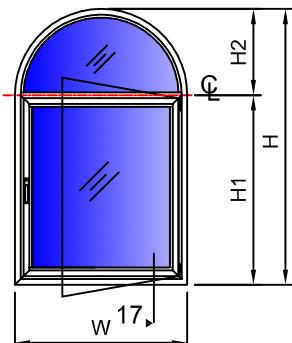
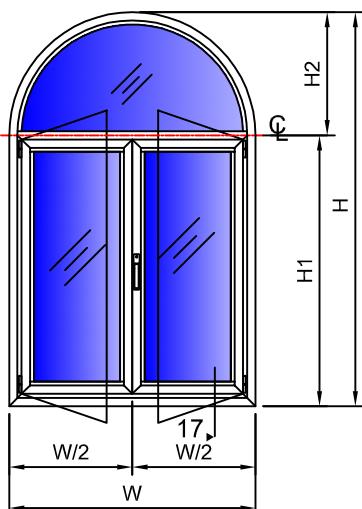
SIDE HUNG WINDOW WITH TOP ARCH



SECTION AT - 16

AL-WIN 80® CASEMENT SERIES

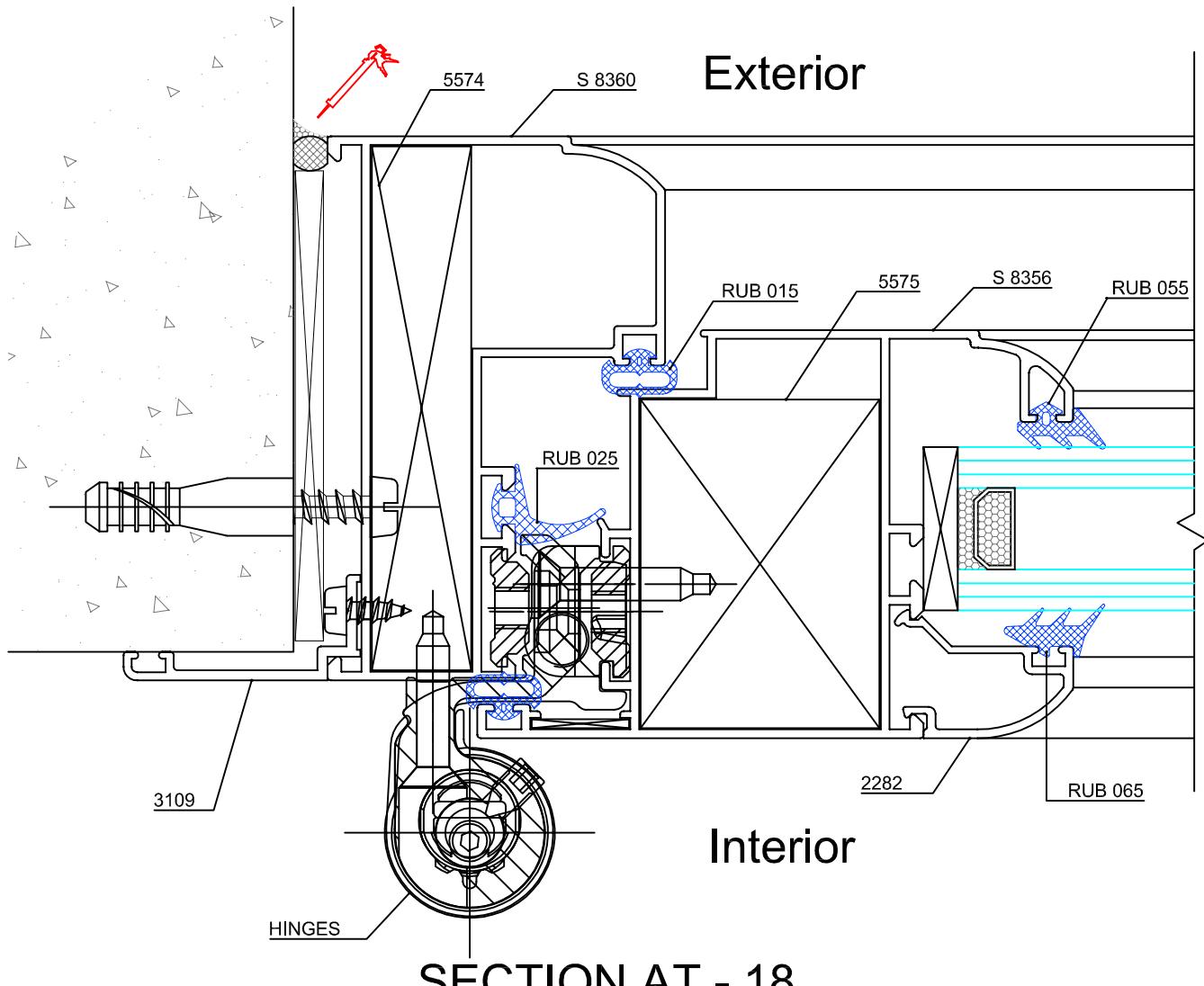
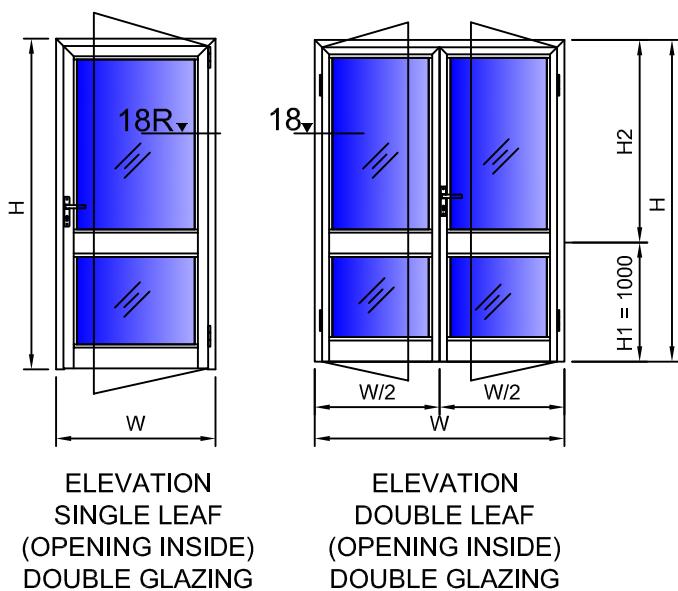
SIDE HUNG WINDOW WITH TOP ARCH



SECTION AT - 17

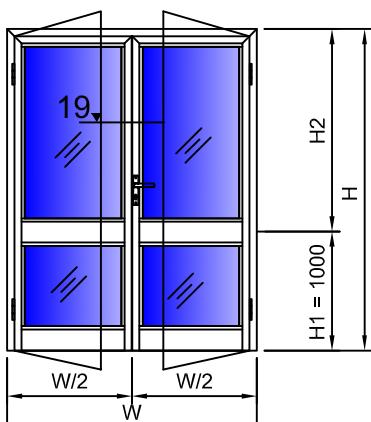
AL-WIN 80® CASEMENT SERIES

INWARD OPENING HINGED DOOR



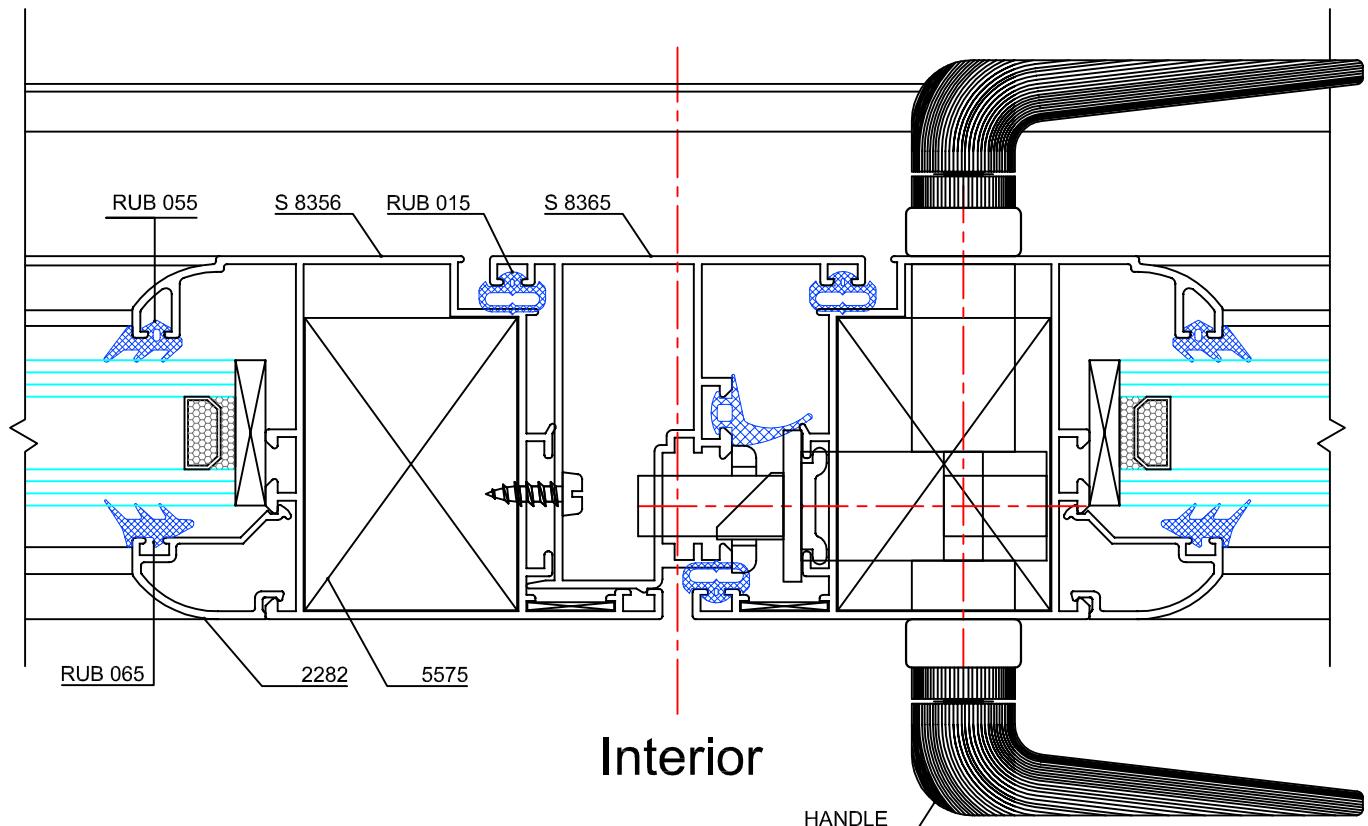
AL-WIN 80® CASEMENT SERIES

INWARD OPENING HINGED DOOR



ELEVATION
DOUBLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING

Exterior

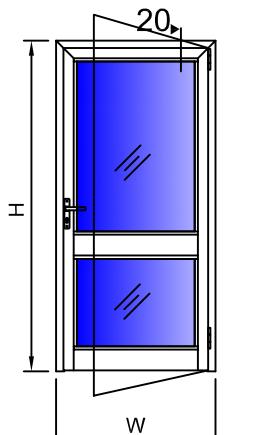


Interior

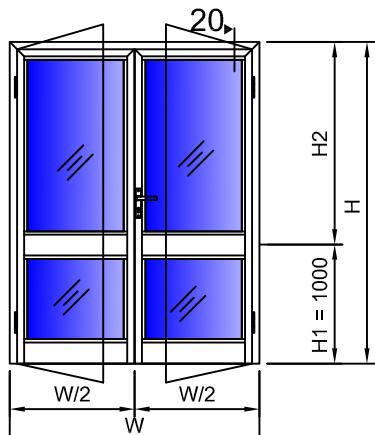
SECTION AT - 19

AL-WIN 80® CASEMENT SERIES

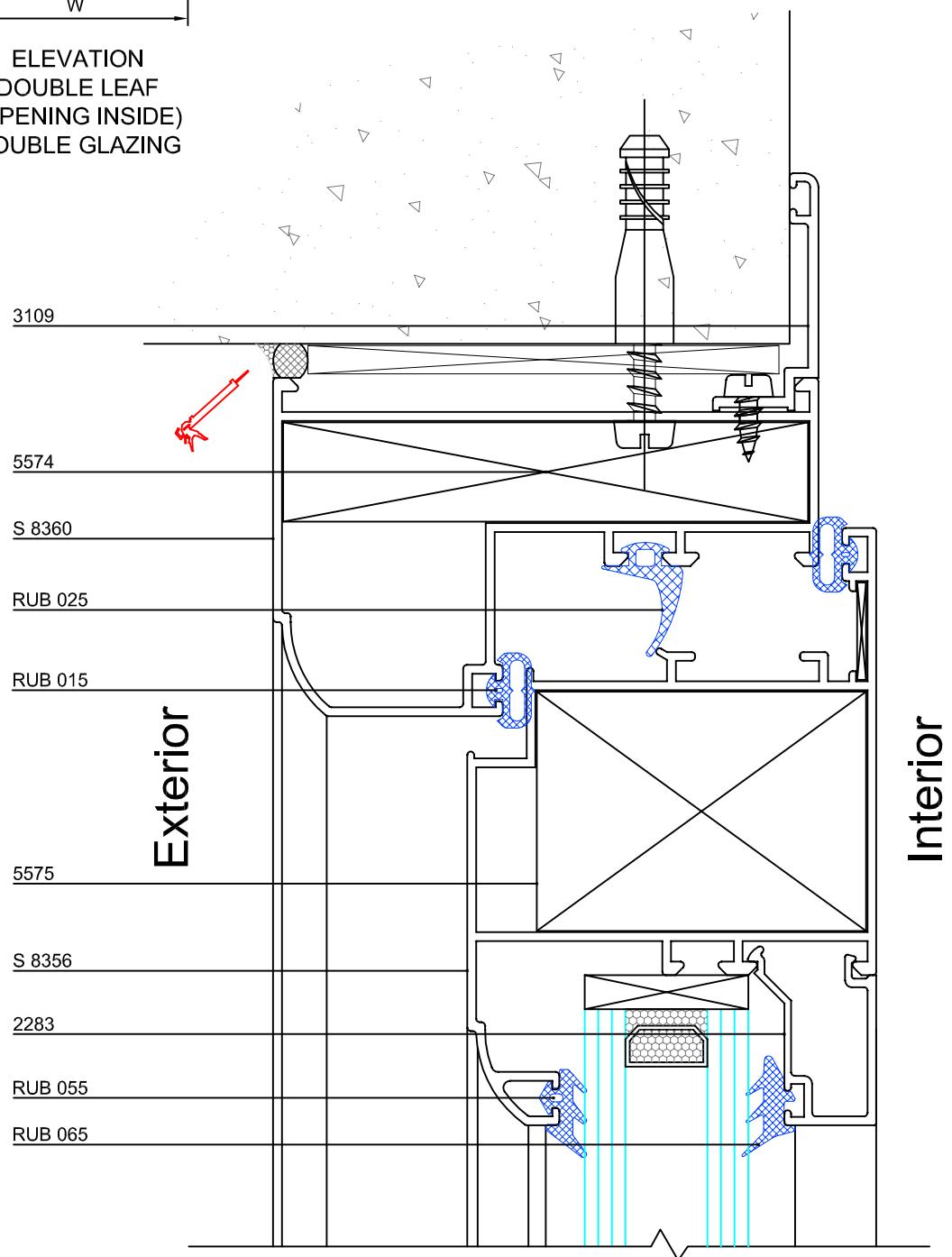
INWARD OPENING HINGED DOOR



ELEVATION
SINGLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING



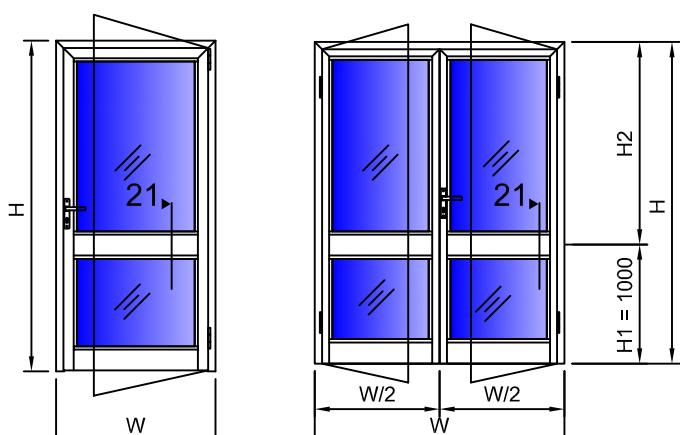
ELEVATION
DOUBLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING



SECTION AT - 20

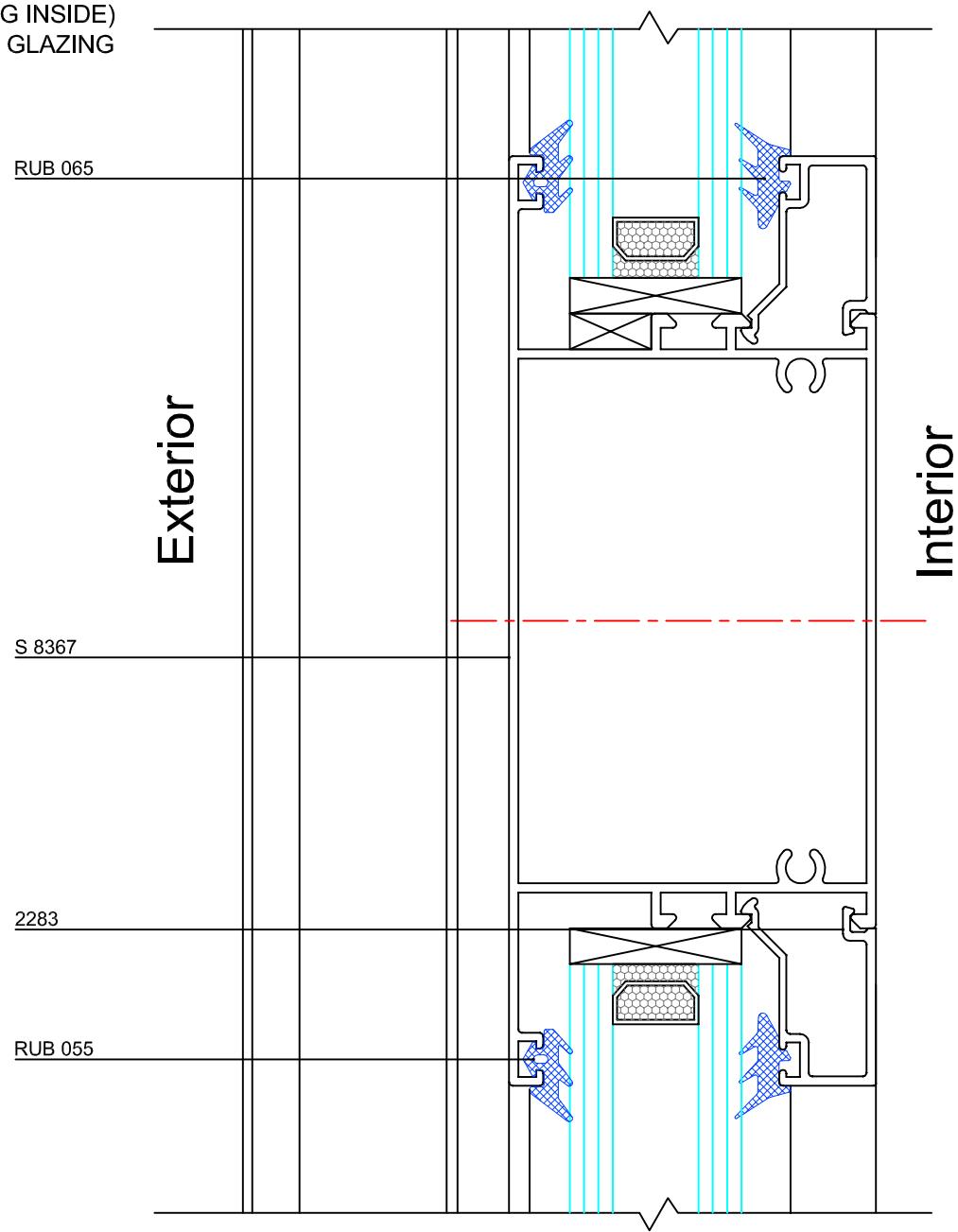
AL-WIN 80® CASEMENT SERIES

INWARD OPENING HINGED DOOR



ELEVATION
SINGLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING

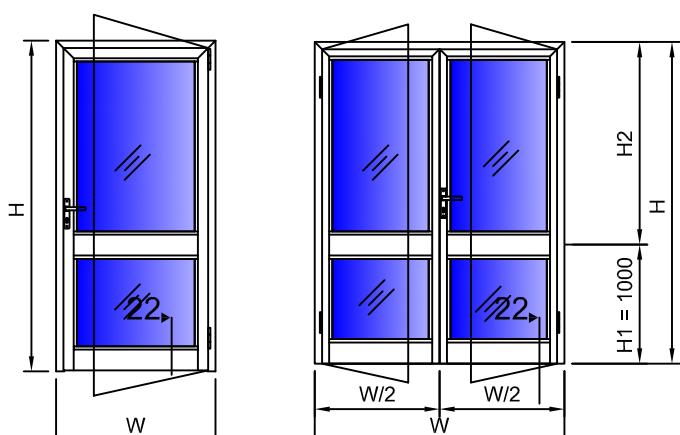
ELEVATION
DOUBLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING



SECTION AT - 21

AL-WIN 80® CASEMENT SERIES

INWARD OPENING HINGED DOOR



ELEVATION
SINGLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING

ELEVATION
DOUBLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING

RUB 055

RUB 065

2283

Exterior

S 8367

S 8371

RUB 070

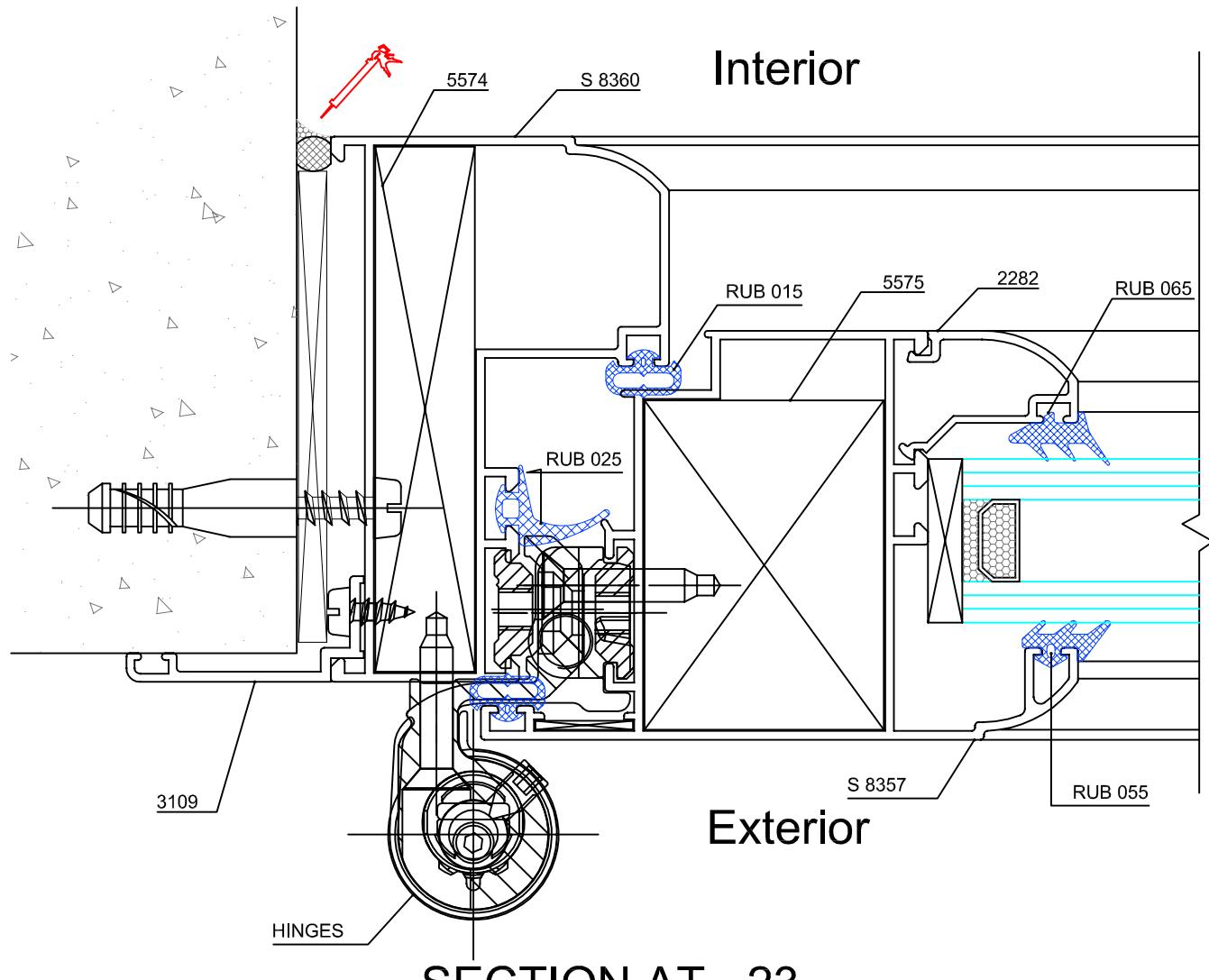
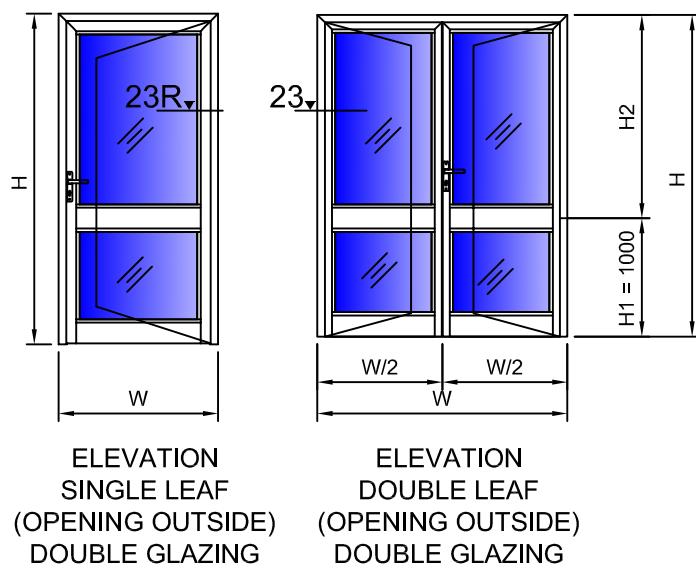
2054

Interior

SECTION AT - 22

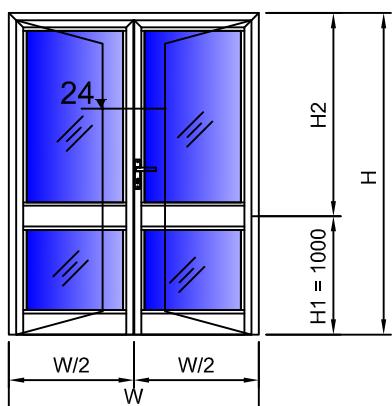
AL-WIN 80® CASEMENT SERIES

OUTWARD OPENING HINGED DOOR



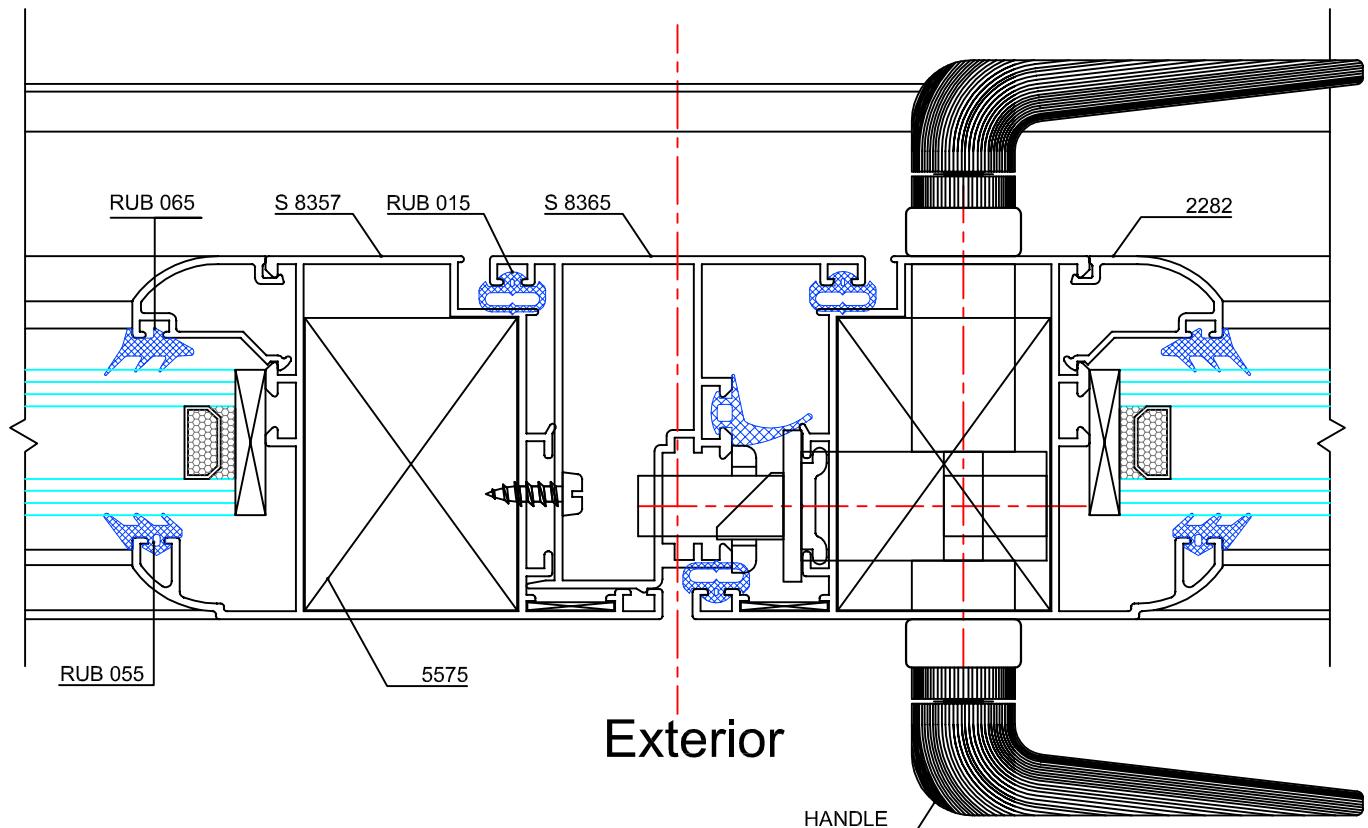
AL-WIN 80® CASEMENT SERIES

OUTWARD OPENING HINGED DOOR



ELEVATION
DOUBLE LEAF
(OPENING OUTSIDE)
DOUBLE GLAZING

Interior

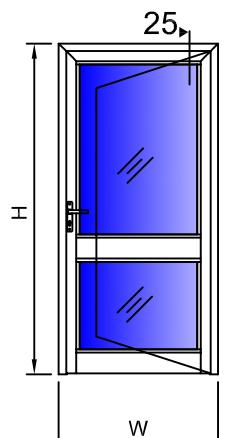


Exterior

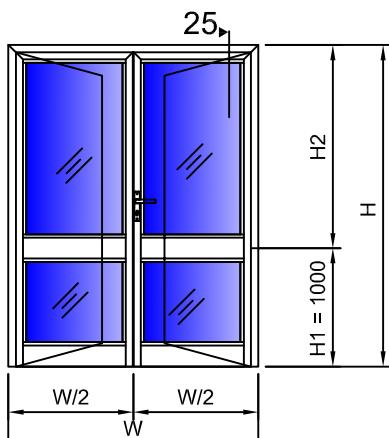
SECTION AT - 24

AL-WIN 80® CASEMENT SERIES

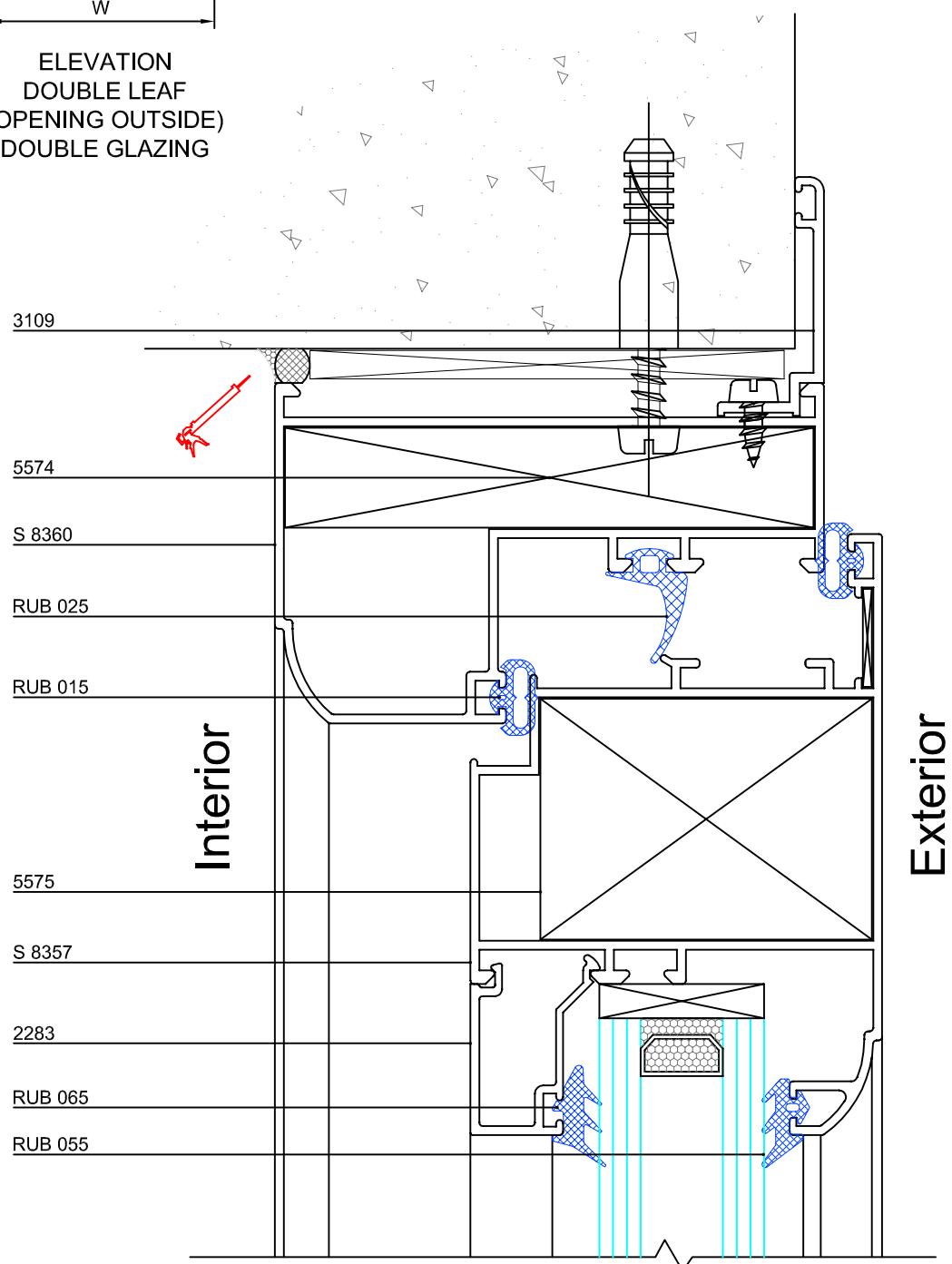
OUTWARD OPENING HINGED DOOR



ELEVATION
SINGLE LEAF
(OPENING OUTSIDE)
DOUBLE GLAZING



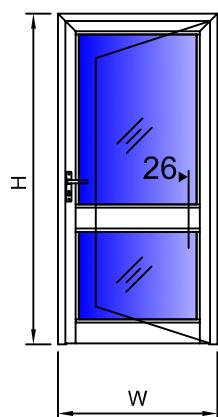
ELEVATION
DOUBLE LEAF
(OPENING OUTSIDE)
DOUBLE GLAZING



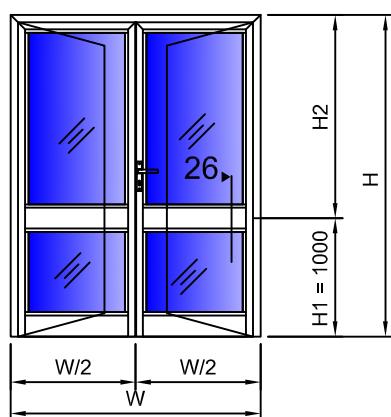
SECTION AT - 25

AL-WIN 80® CASEMENT SERIES

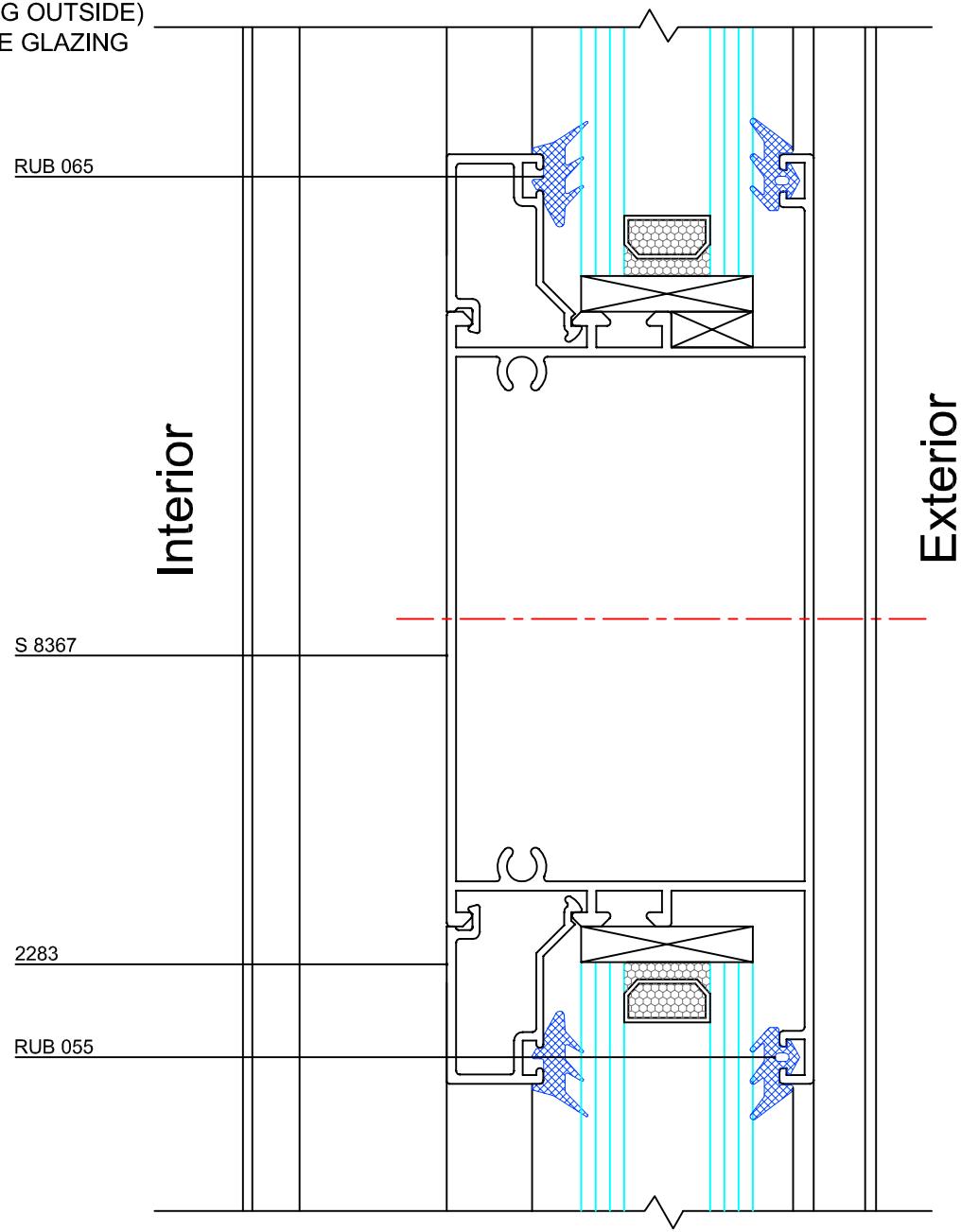
OUTWARD OPENING HINGED DOOR



ELEVATION
SINGLE LEAF
(OPENING OUTSIDE)
DOUBLE GLAZING



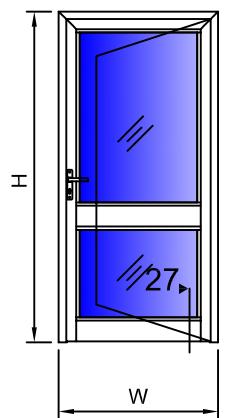
ELEVATION
DOUBLE LEAF
(OPENING OUTSIDE)
DOUBLE GLAZING



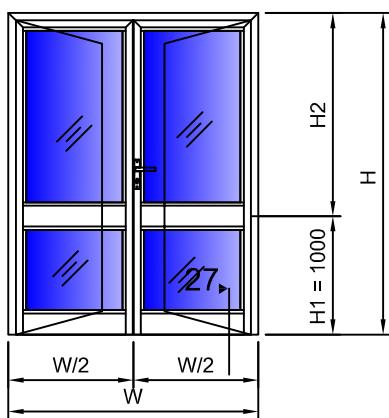
SECTION AT - 26

AL-WIN 80® CASEMENT SERIES

OUTWARD OPENING HINGED DOOR



ELEVATION
SINGLE LEAF
(OPENING OUTSIDE)
DOUBLE GLAZING



ELEVATION
DOUBLE LEAF
(OPENING OUTSIDE)
DOUBLE GLAZING

H₁ = 1000

H₂

H

RUB 055
RUB 065
2283

Interior

Exterior

S 8367

S 8371

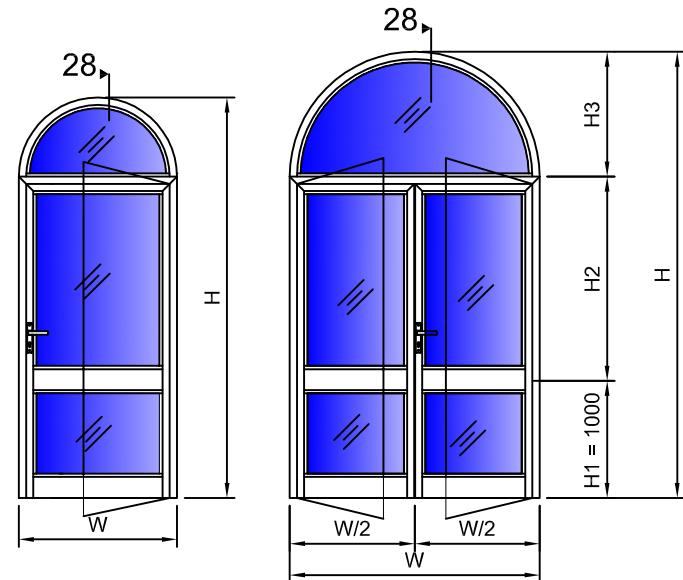
RUB 070

2054

SECTION AT - 27

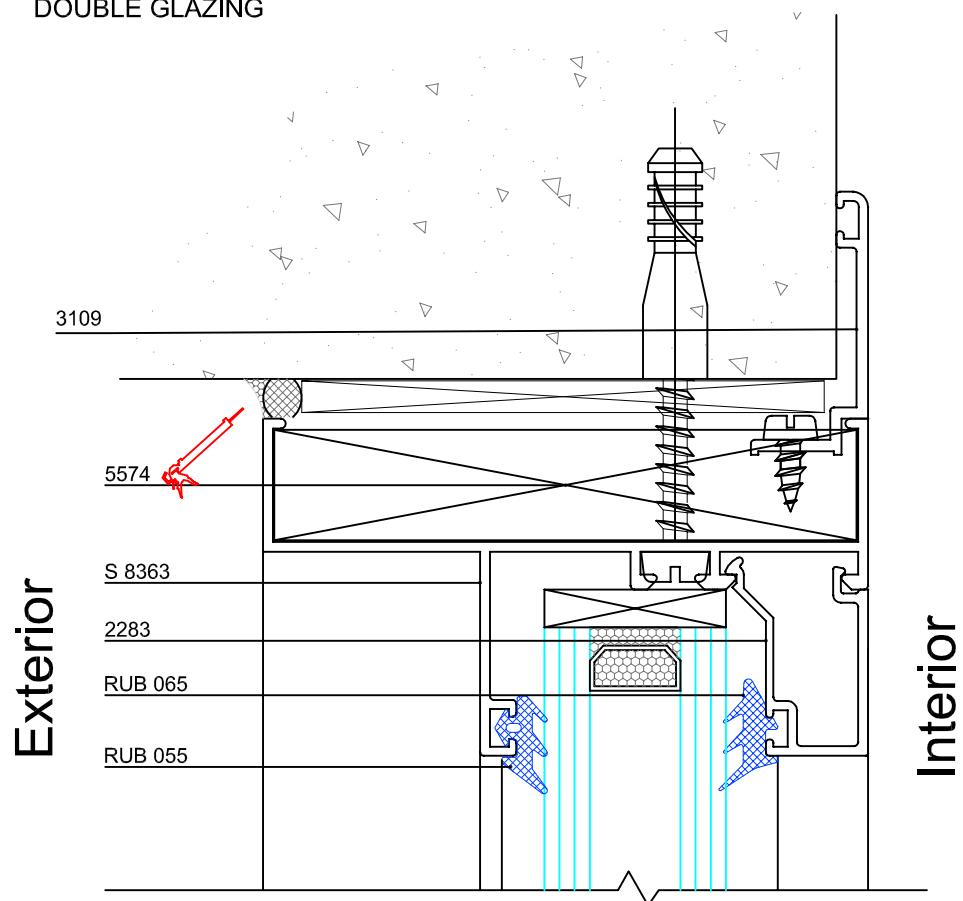
AL-WIN 80® CASEMENT SERIES

INWARD OPENING HINGED DOOR WITH TOP FIXLITE



ELEVATION
SINGLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING

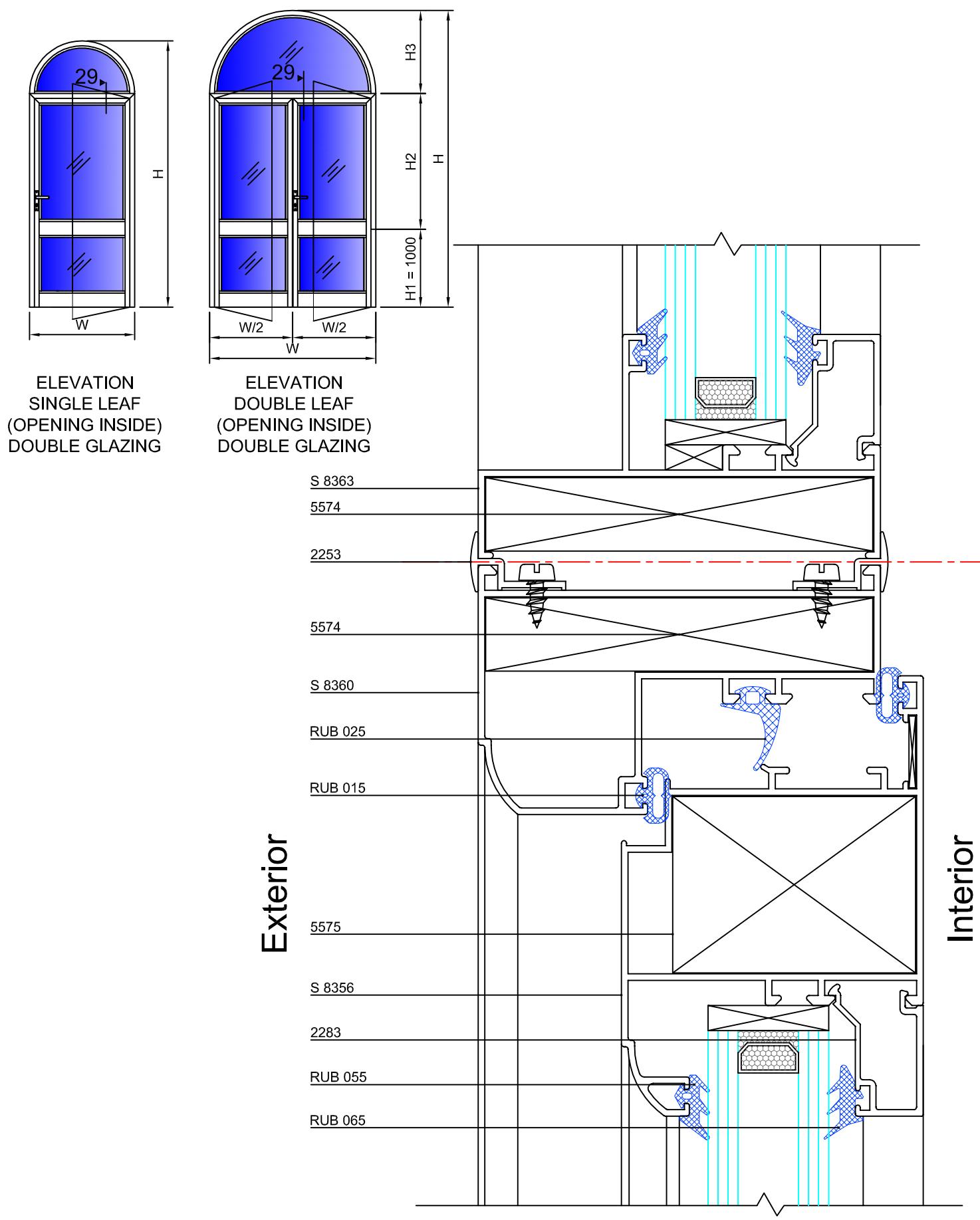
ELEVATION
DOUBLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING



SECTION AT - 28

AL-WIN 80® CASEMENT SERIES

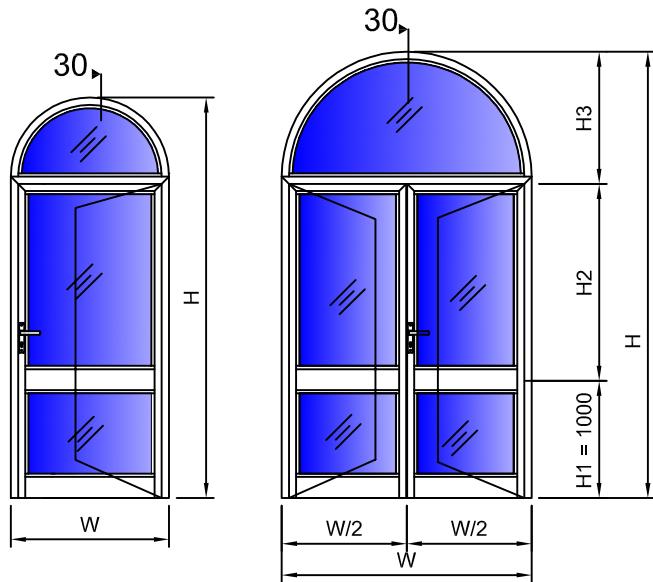
INWARD OPENING HINGED DOOR WITH TOP FIXLITE



SECTION AT - 29

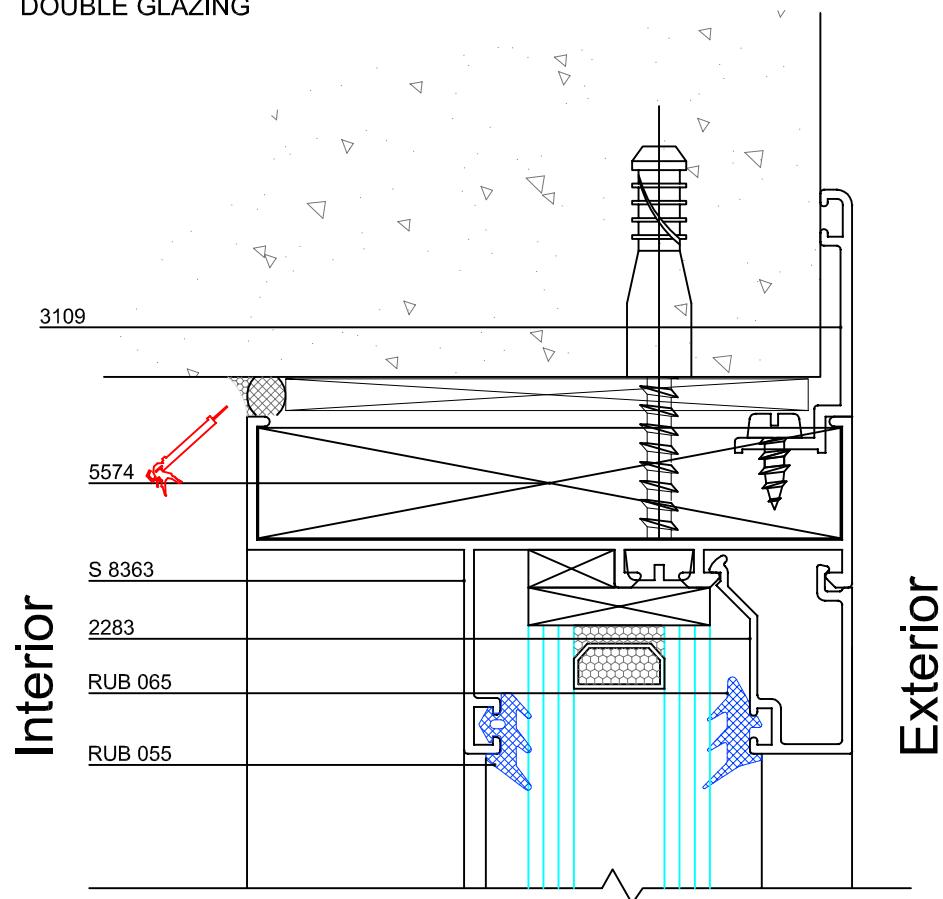
AL-WIN 80® CASEMENT SERIES

OUTWARD OPENING HINGED DOOR WITH TOP FIXLITE



ELEVATION
SINGLE LEAF
(OPENING OUTSIDE)
DOUBLE GLAZING

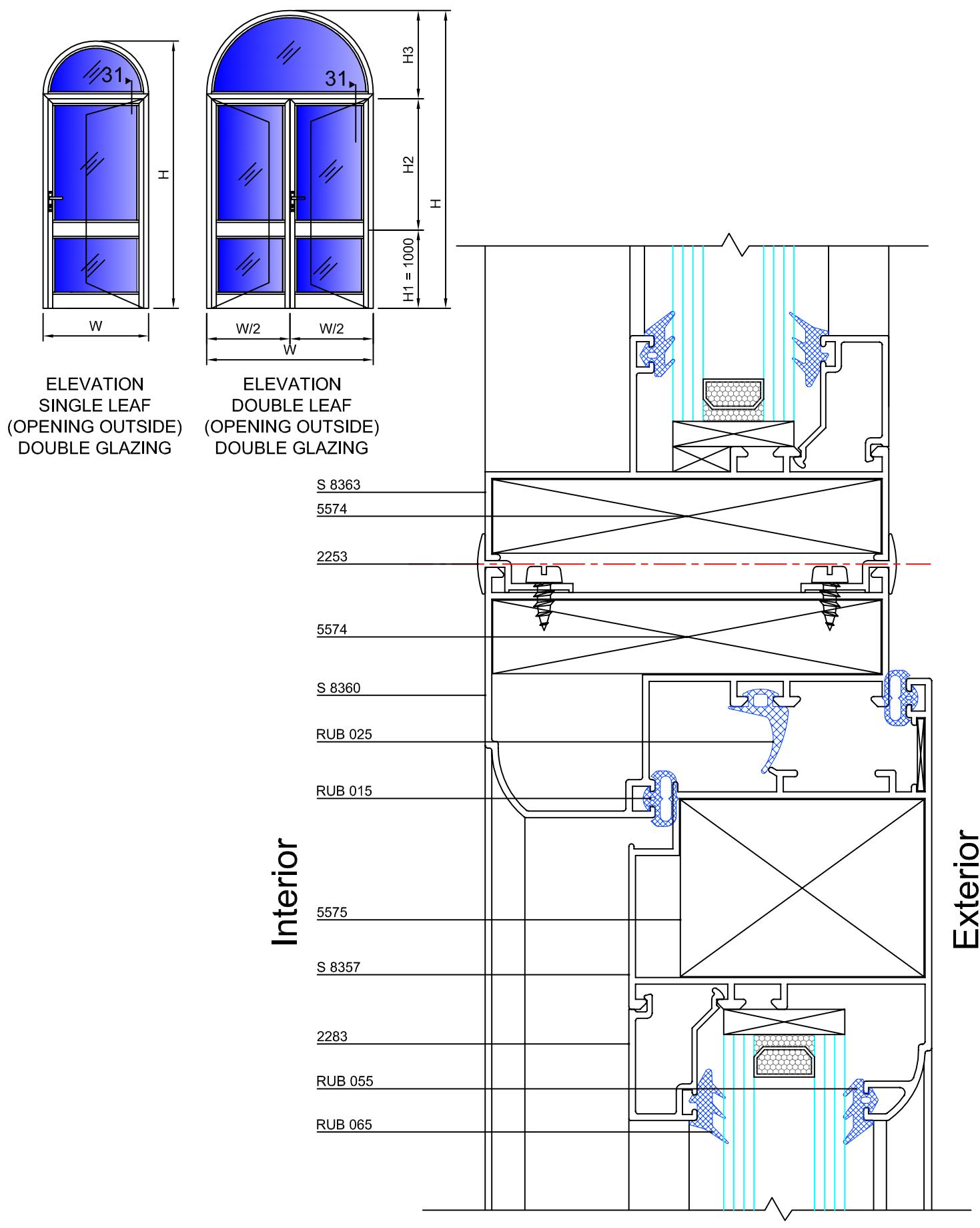
ELEVATION
DOUBLE LEAF
(OPENING OUTSIDE)
DOUBLE GLAZING



SECTION AT - 30

AL-WIN 80® CASEMENT SERIES

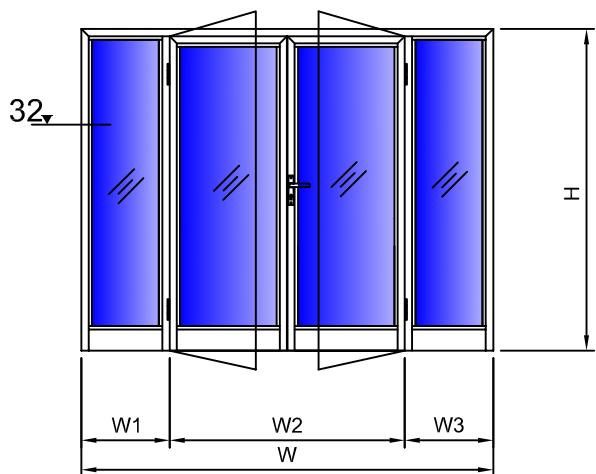
OUTWARD OPENING HINGED DOOR WITH TOP FIXLITE



SECTION AT - 31

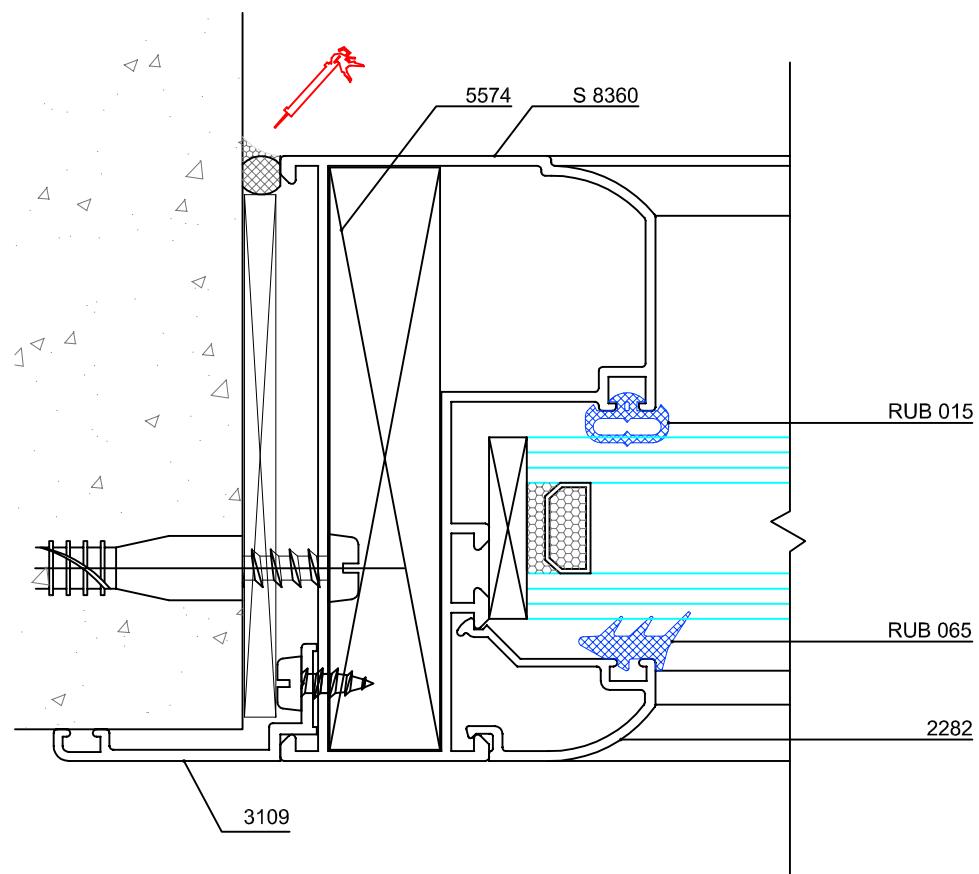
AL-WIN 80® CASEMENT SERIES

INWARD OPENING HINGED DOOR WITH PARTITIONS (SHOP FRONTS)



ELEVATION
DOUBLE LEAF
(OPENING INSIDE)
DOUBLE GLAZING

Exterior

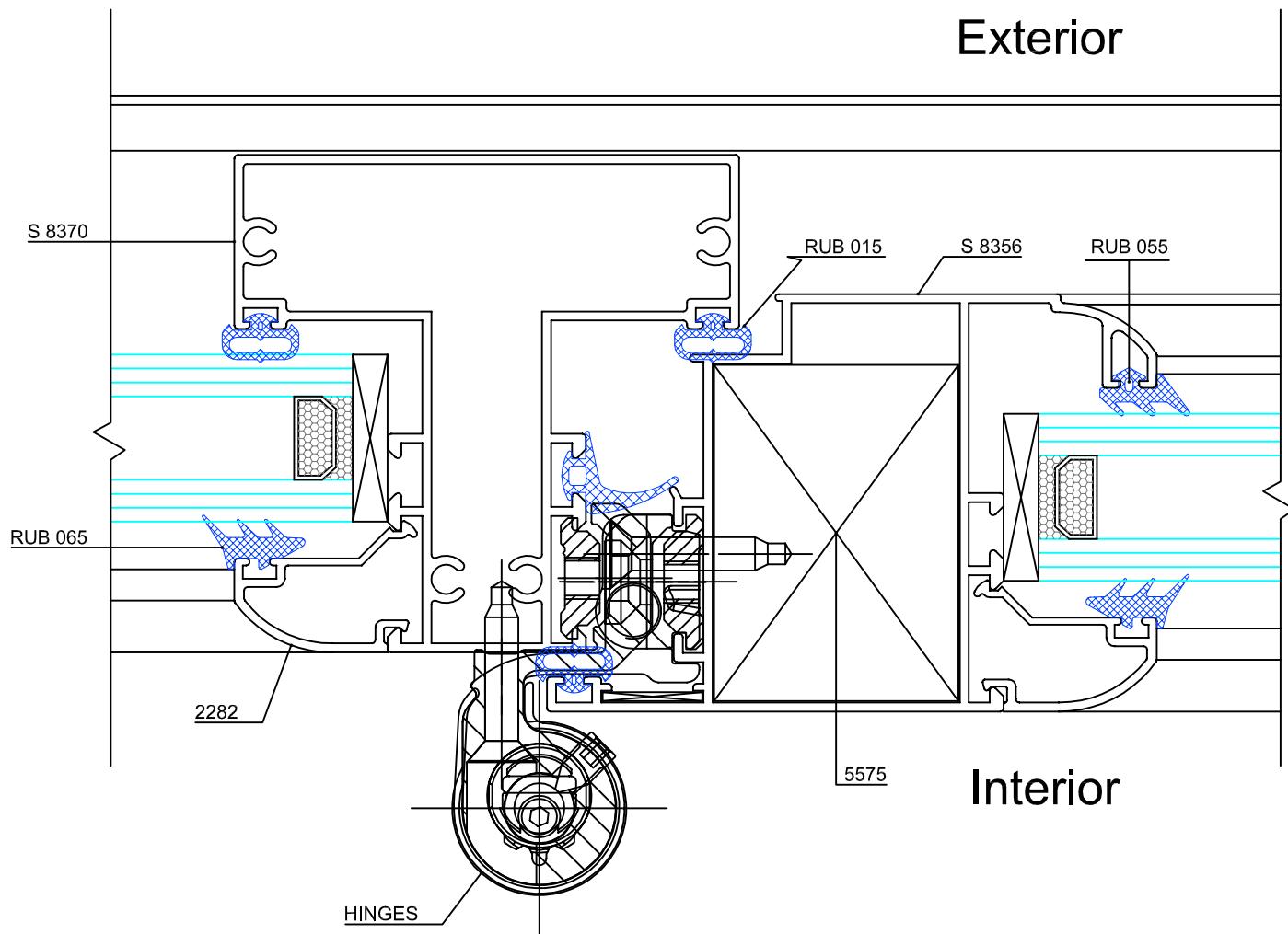
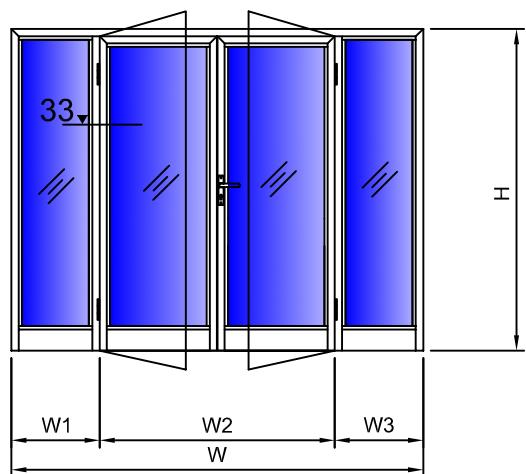


Interior

SECTION AT - 32

AL-WIN 80® CASEMENT SERIES

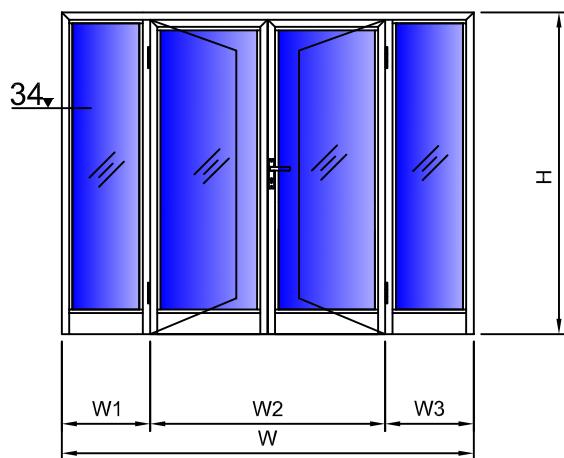
INWARD OPENING HINGED DOOR WITH PARTITIONS (SHOP FRONTS)



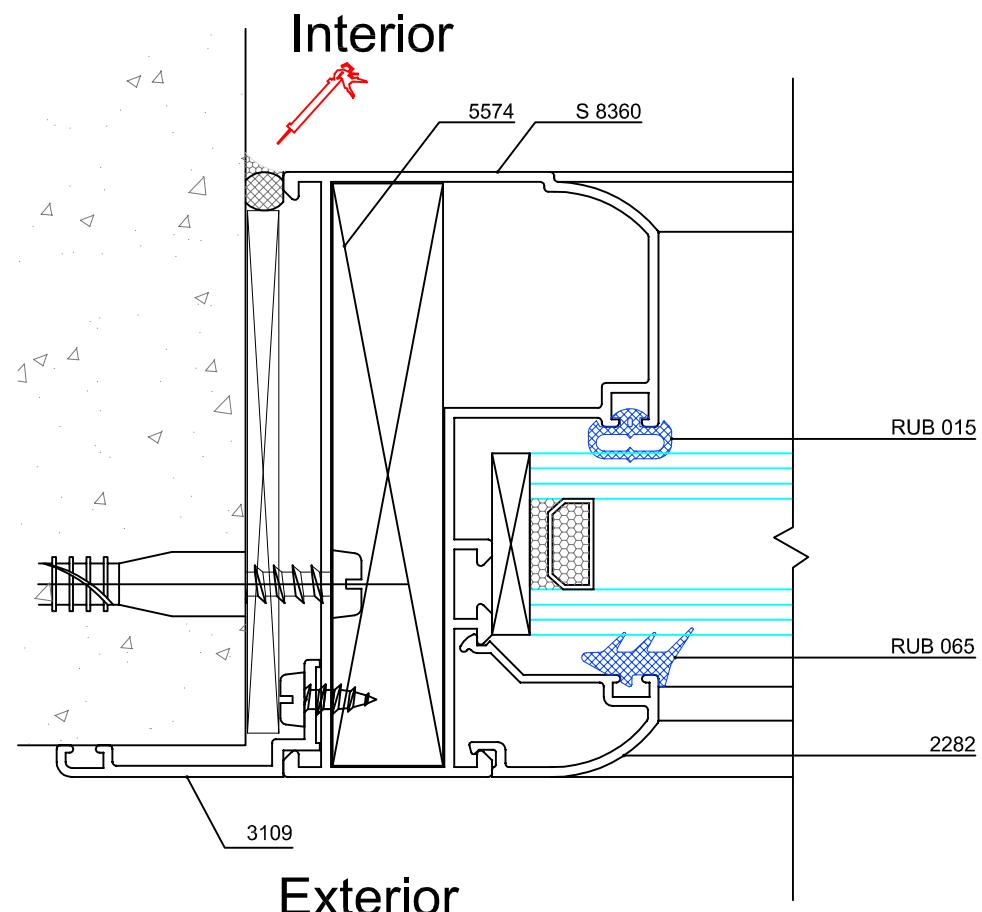
SECTION AT - 33

AL-WIN 80® CASEMENT SERIES

OUTWARD OPENING HINGED DOOR WITH PARTITIONS (SHOP FRONTS)



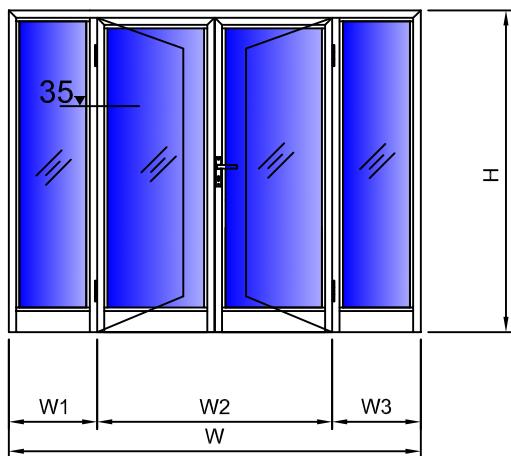
ELEVATION
DOUBLE LEAF
(OPENING OUTSIDE)
DOUBLE GLAZING



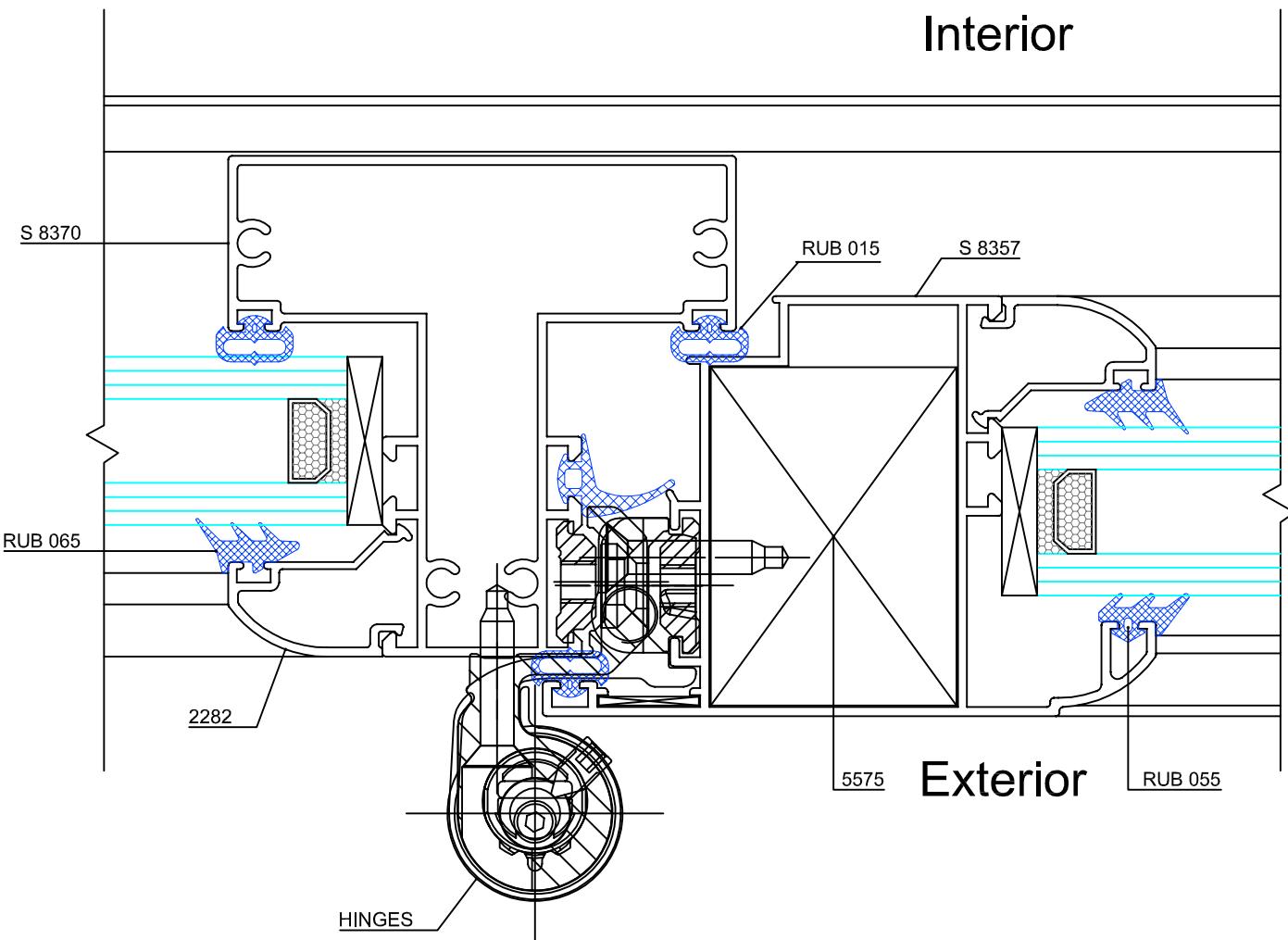
SECTION AT - 34

AL-WIN 80® CASEMENT SERIES

OUTWARD OPENING HINGED DOOR WITH PARTITIONS (SHOP FRONTS)



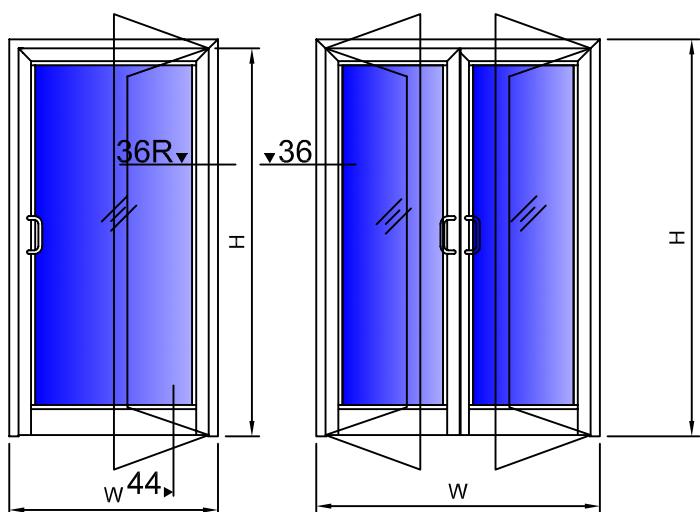
ELEVATION
DOUBLE LEAF
(OPENING OUTSIDE)
DOUBLE GLAZING



SECTION AT - 35

AL-WIN 80® CASEMENT SERIES

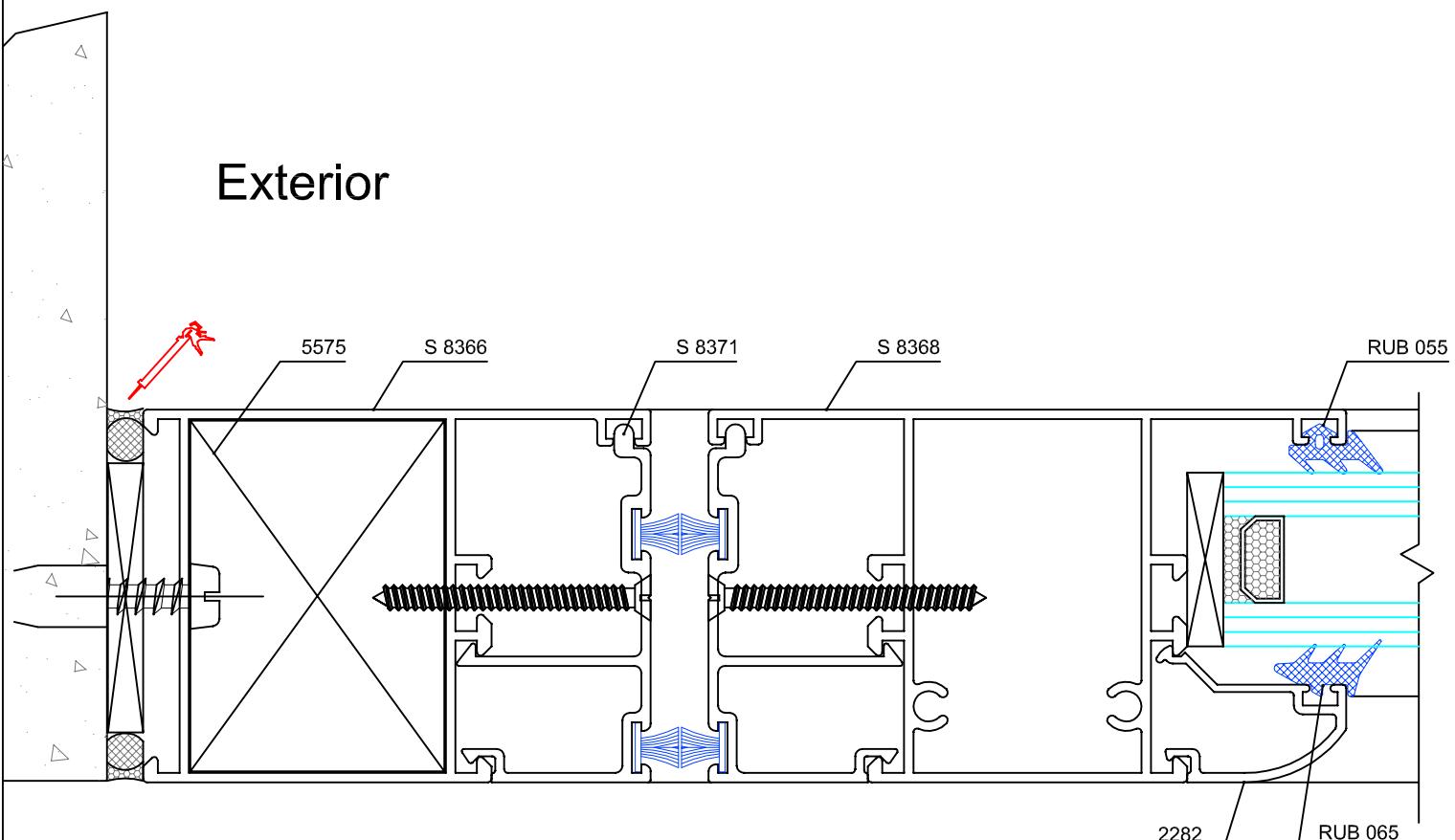
SWING DOOR



ELEVATION
SINGLE LEAF
(OPENING BOTH SIDE)
DOUBLE GLAZING

ELEVATION
DOUBLE LEAF
(OPENING BOTH SIDE)
DOUBLE GLAZING

Exterior

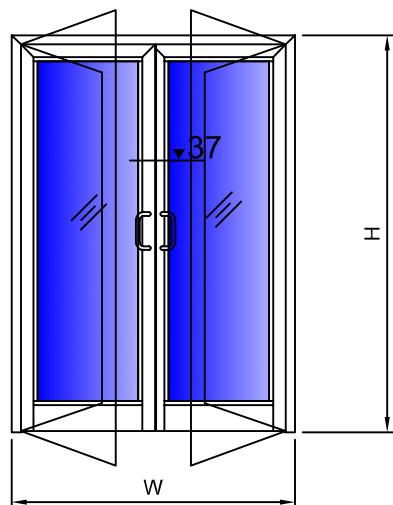


Interior

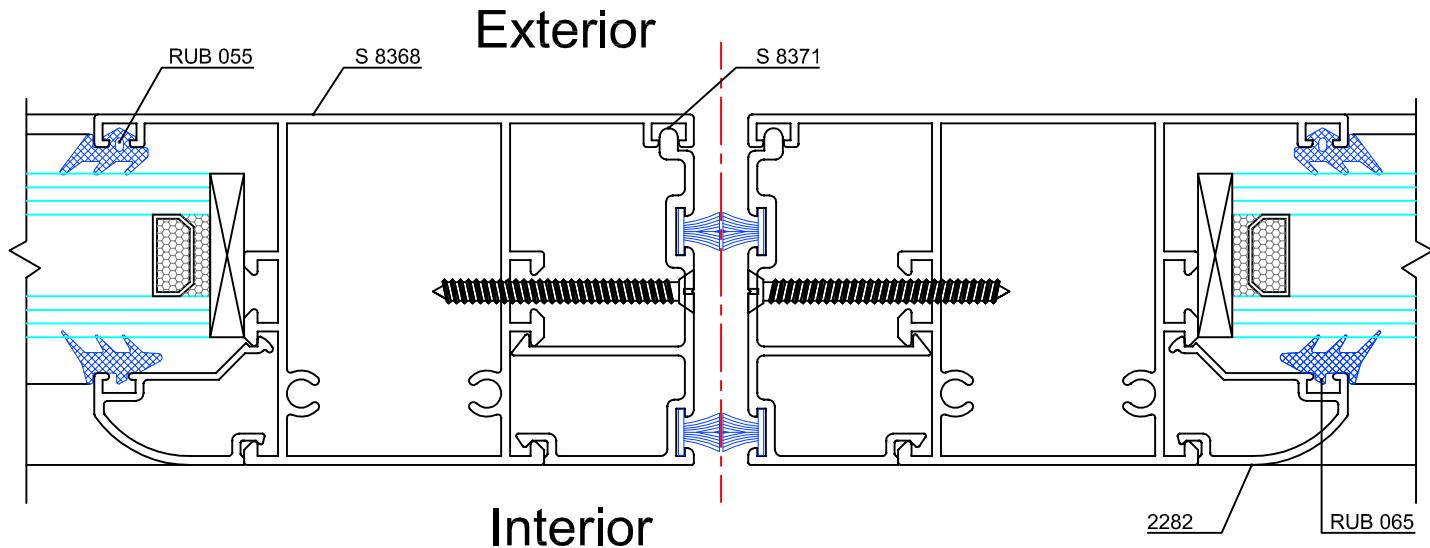
SECTION AT - 36

AL-WIN 80® CASEMENT SERIES

SWING DOOR



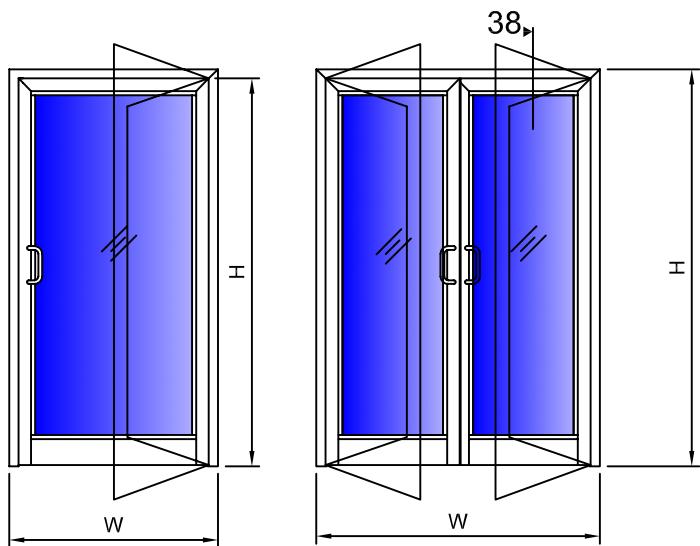
ELEVATION
DOUBLE LEAF
(OPENING BOTH SIDE)
DOUBLE GLAZING



SECTION AT - 37

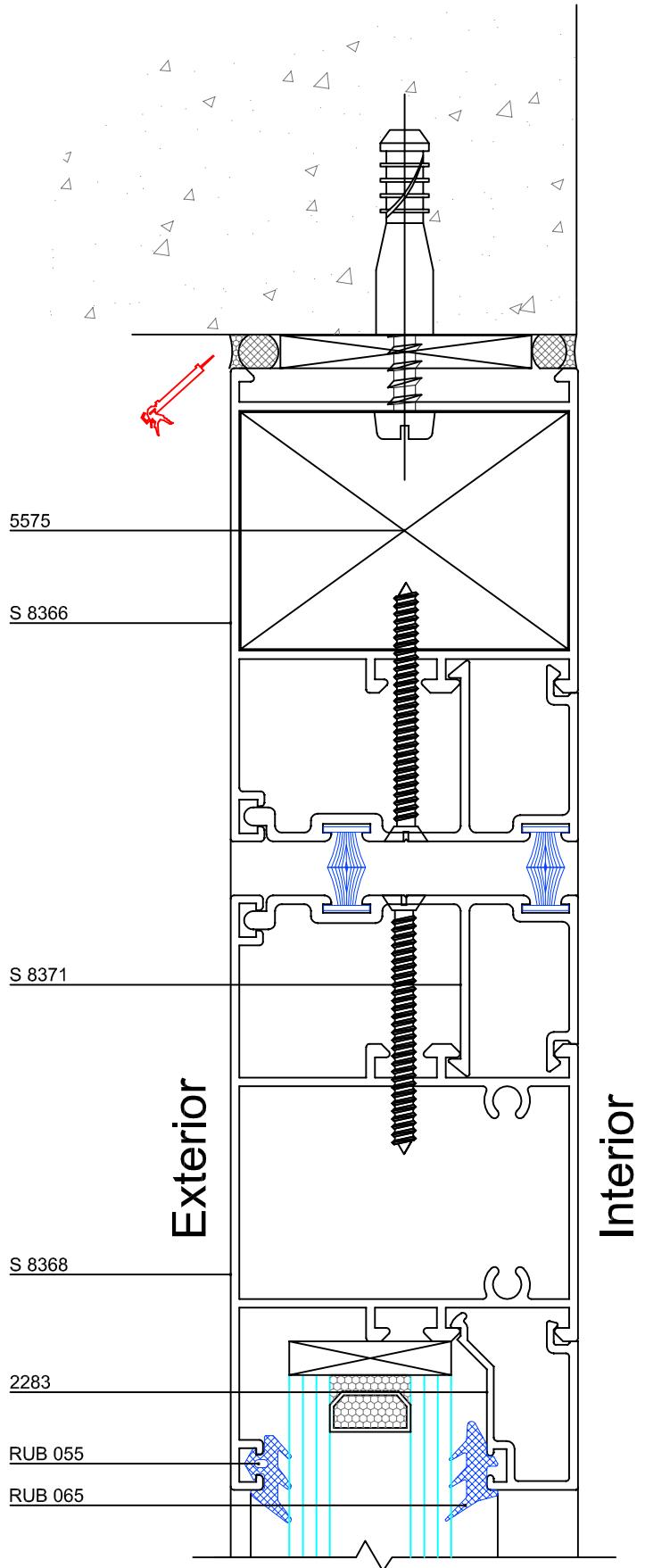
AL-WIN 80® CASEMENT SERIES

SWING DOOR



ELEVATION
SINGLE LEAF
(OPENING BOTH SIDE)
DOUBLE GLAZING

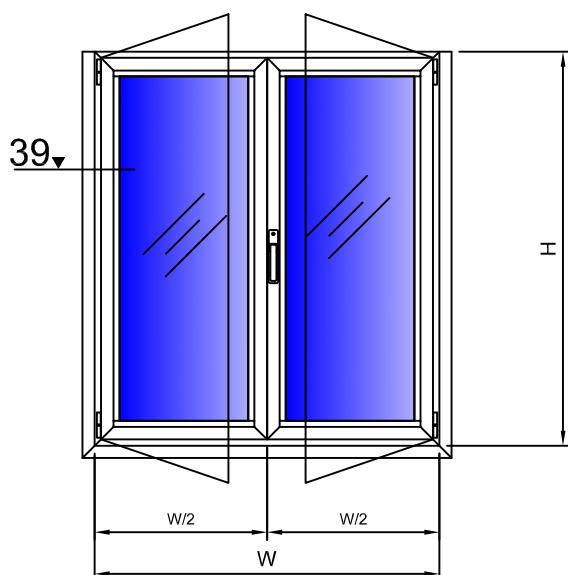
ELEVATION
DOUBLE LEAF
(OPENING BOTH SIDE)
DOUBLE GLAZING



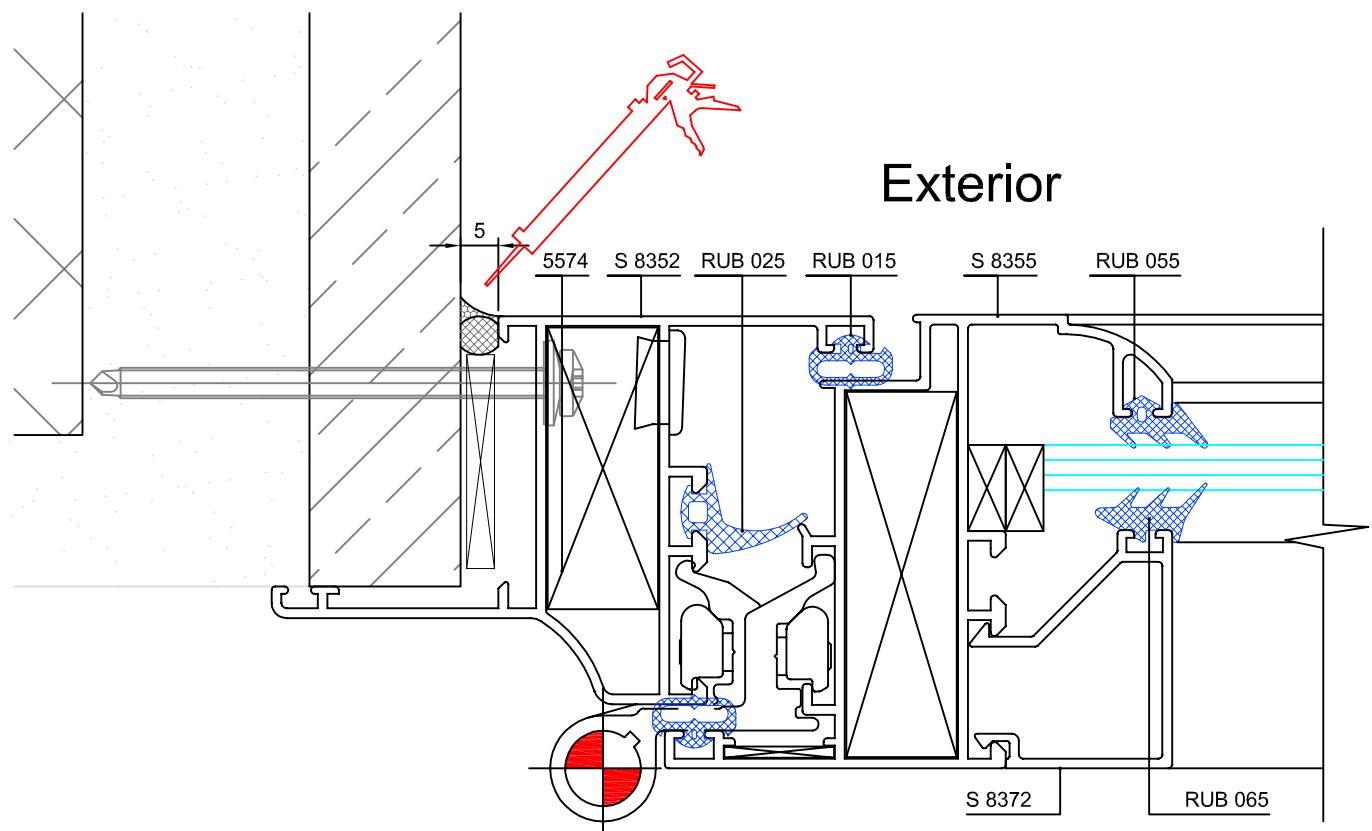
SECTION AT - 38

AL-WIN 80® CASEMENT SERIES

SIDE HUNG WINDOW INWARD OPENABLE



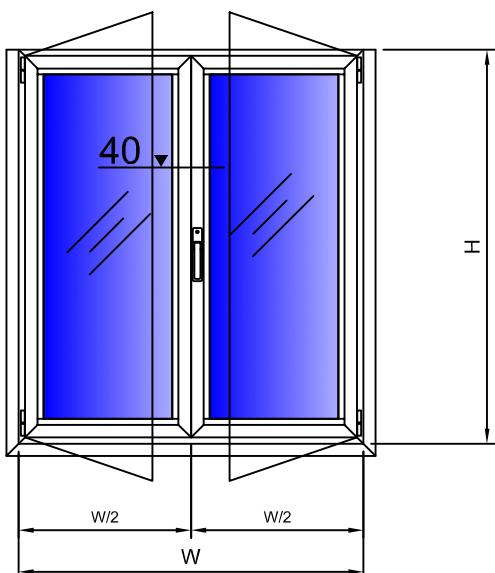
ELEVATION
DOUBLE LEAF RIGHT SASH
WILL BE THE FIRST TO OPEN
(OPENING INSIDE)
SINGLE 6mm GLAZING



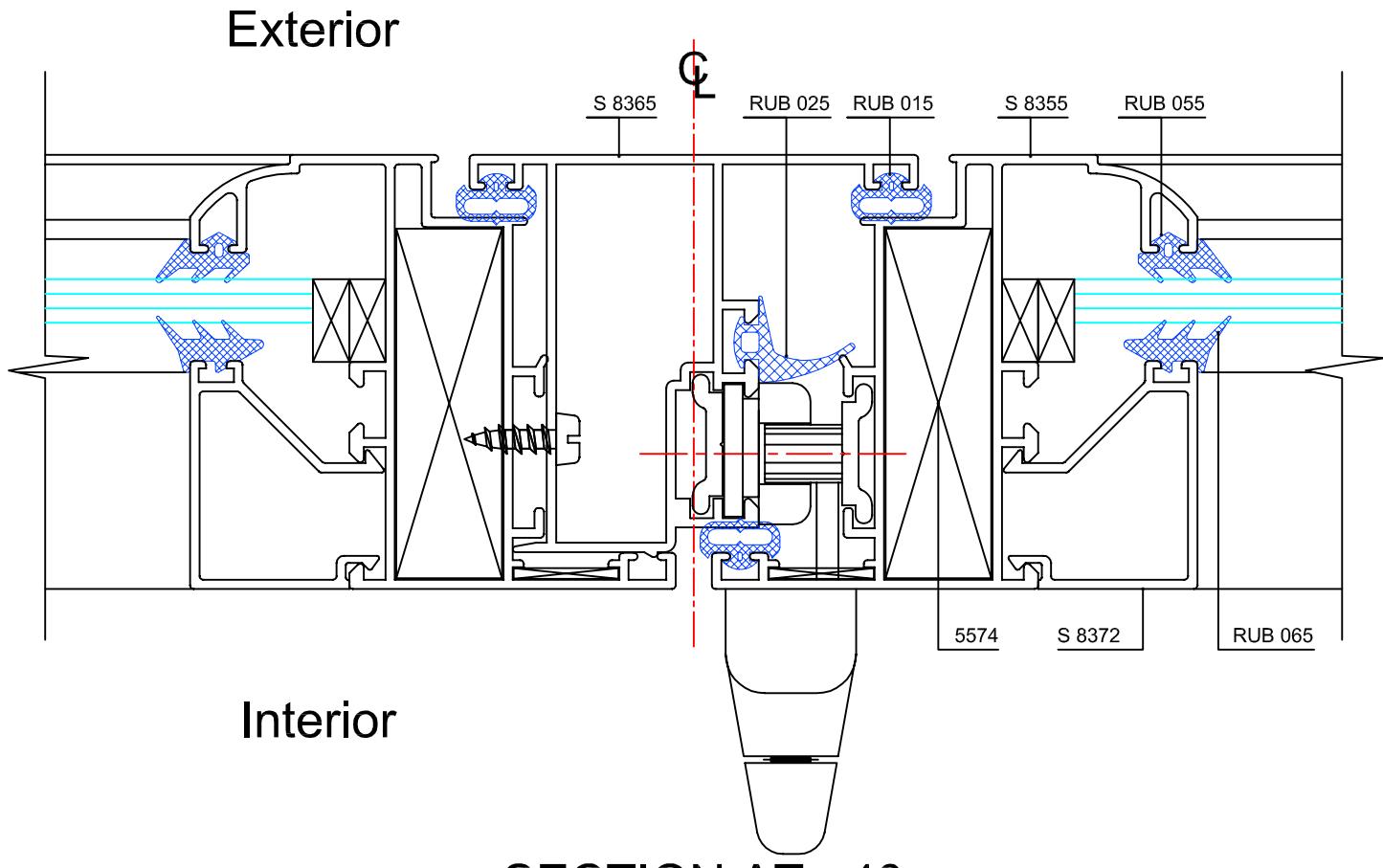
Interior
SECTION AT - 39

AL-WIN 80® CASEMENT SERIES

SIDE HUNG WINDOW INWARD OPENABLE

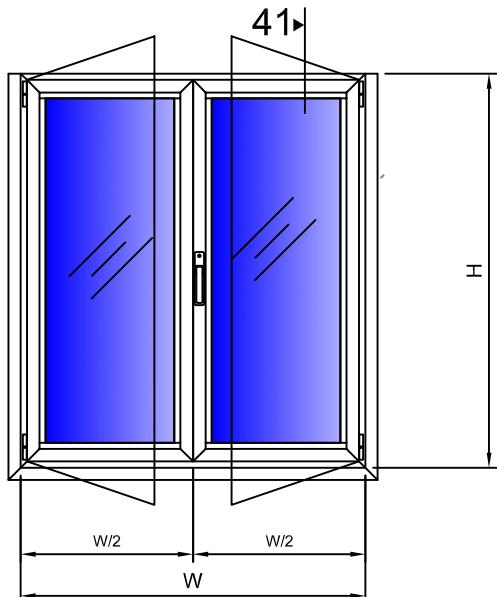


ELEVATION
DOUBLE LEAF RIGHT SASH
WILL BE THE FIRST TO OPEN
(OPENING INSIDE)
SINGLE 6mm GLAZING

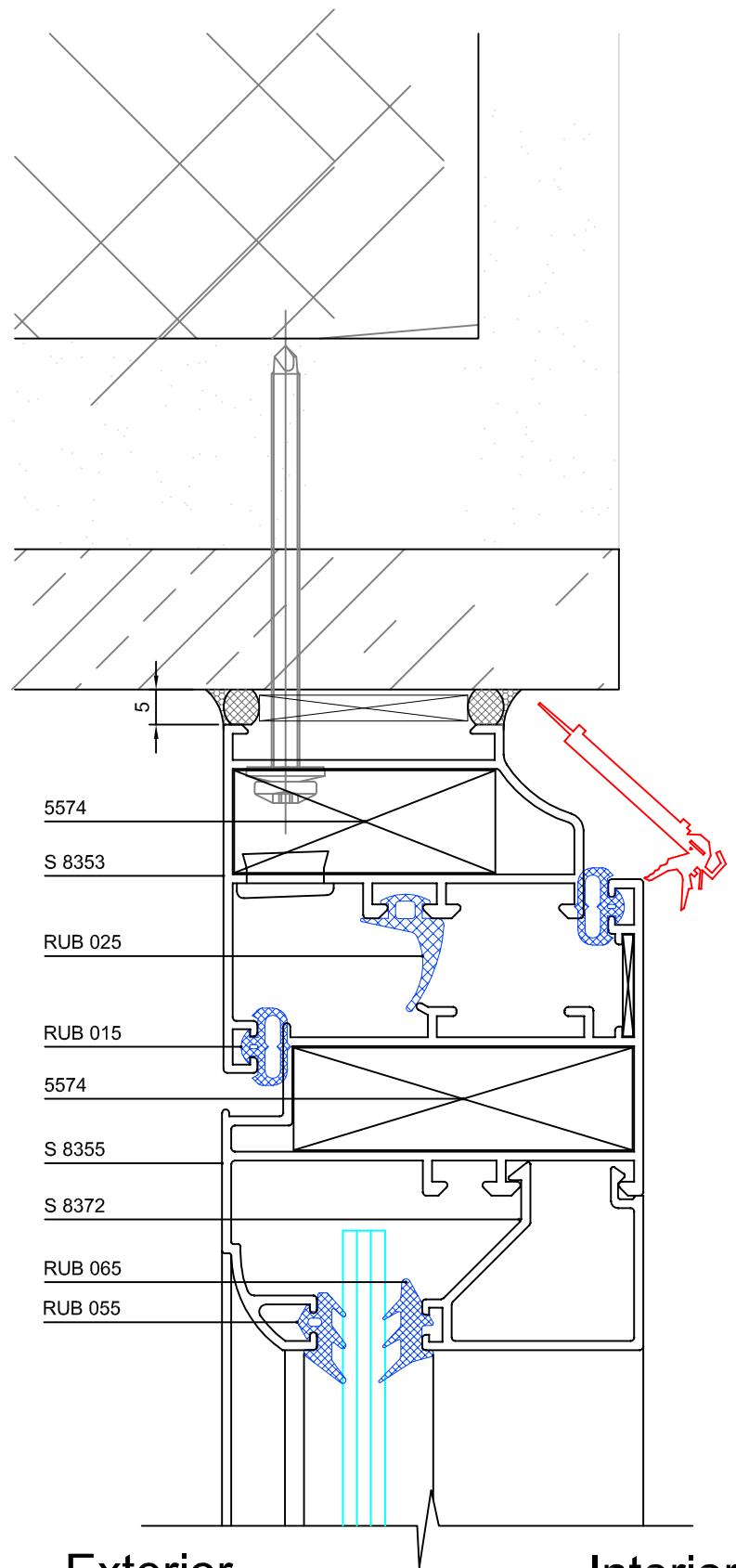


AL-WIN 80® CASEMENT SERIES

SIDE HUNG WINDOW INWARD OPENABLE



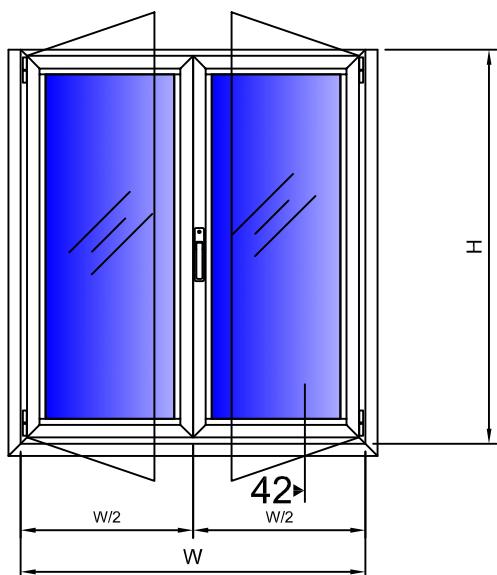
ELEVATION
DOUBLE LEAF RIGHT SASH
WILL BE THE FIRST TO OPEN
(OPENING INSIDE)
SINGLE 6mm GLAZING



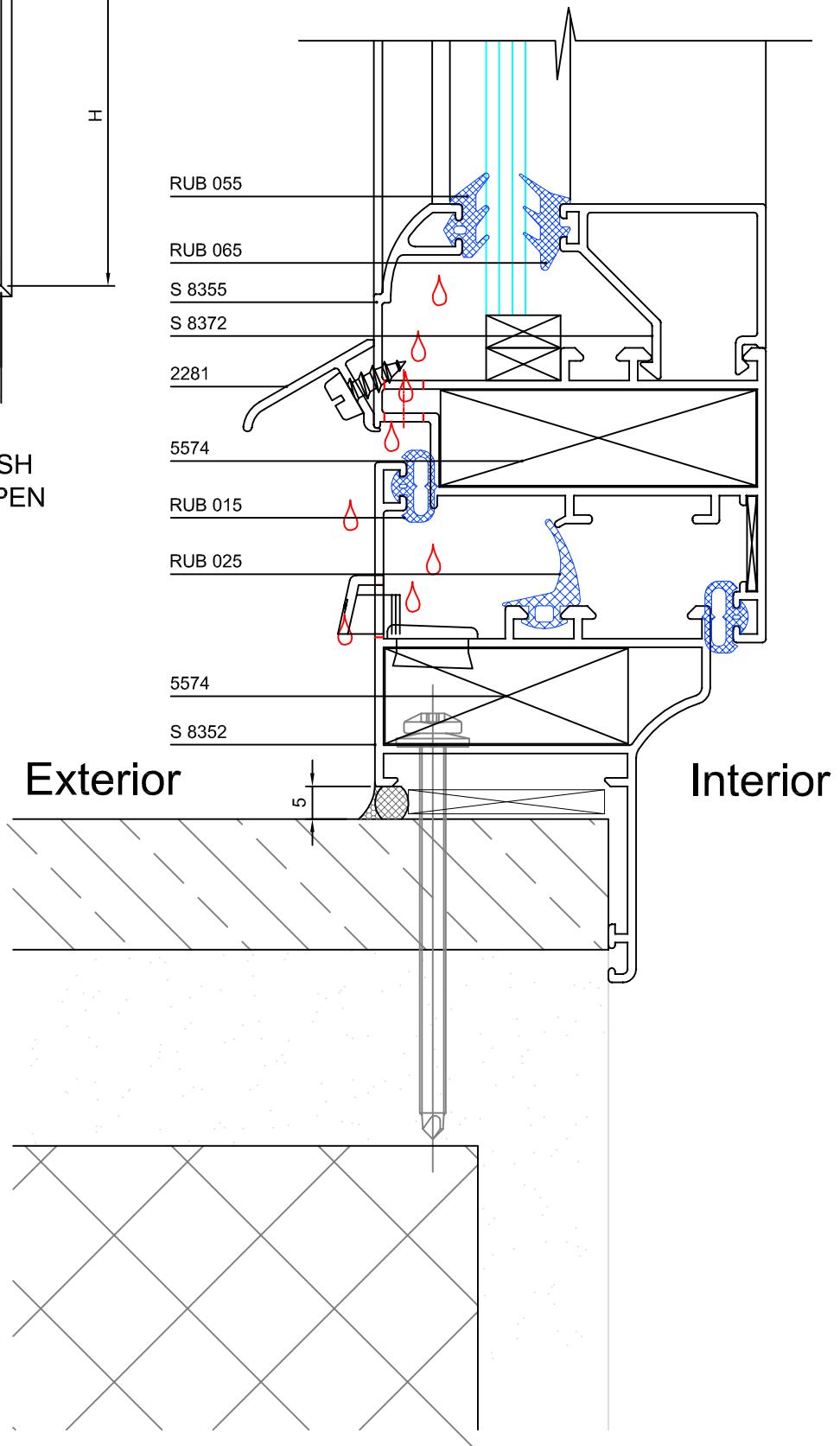
Exterior
SECTION AT - 41

AL-WIN 80® CASEMENT SERIES

SIDE HUNG WINDOW INWARD OPENABLE



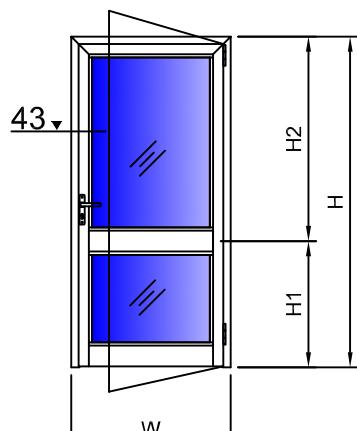
ELEVATION
DOUBLE LEAF RIGHT SASH
WILL BE THE FIRST TO OPEN
(OPENING INSIDE)
SINGLE 6mm GLAZING



SECTION AT - 42

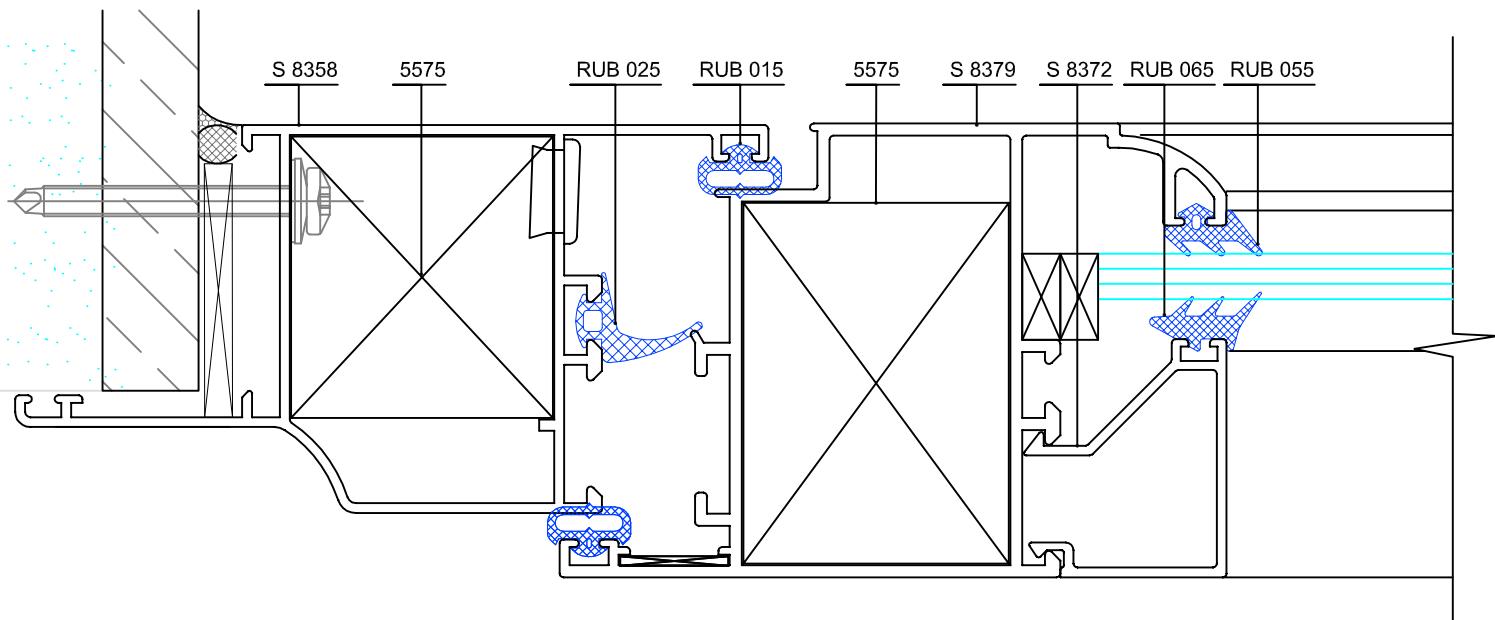
AL-WIN 80® CASEMENT SERIES

INWARD OPENING HINGED DOOR



ELEVATION
SINGLE LEAF
(OPENING INSIDE)
SINGLE 6mm GLAZING

Exterior

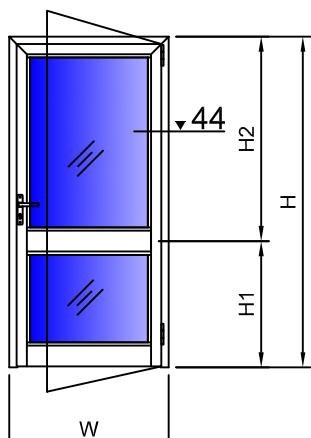


Interior

SECTION AT - 43

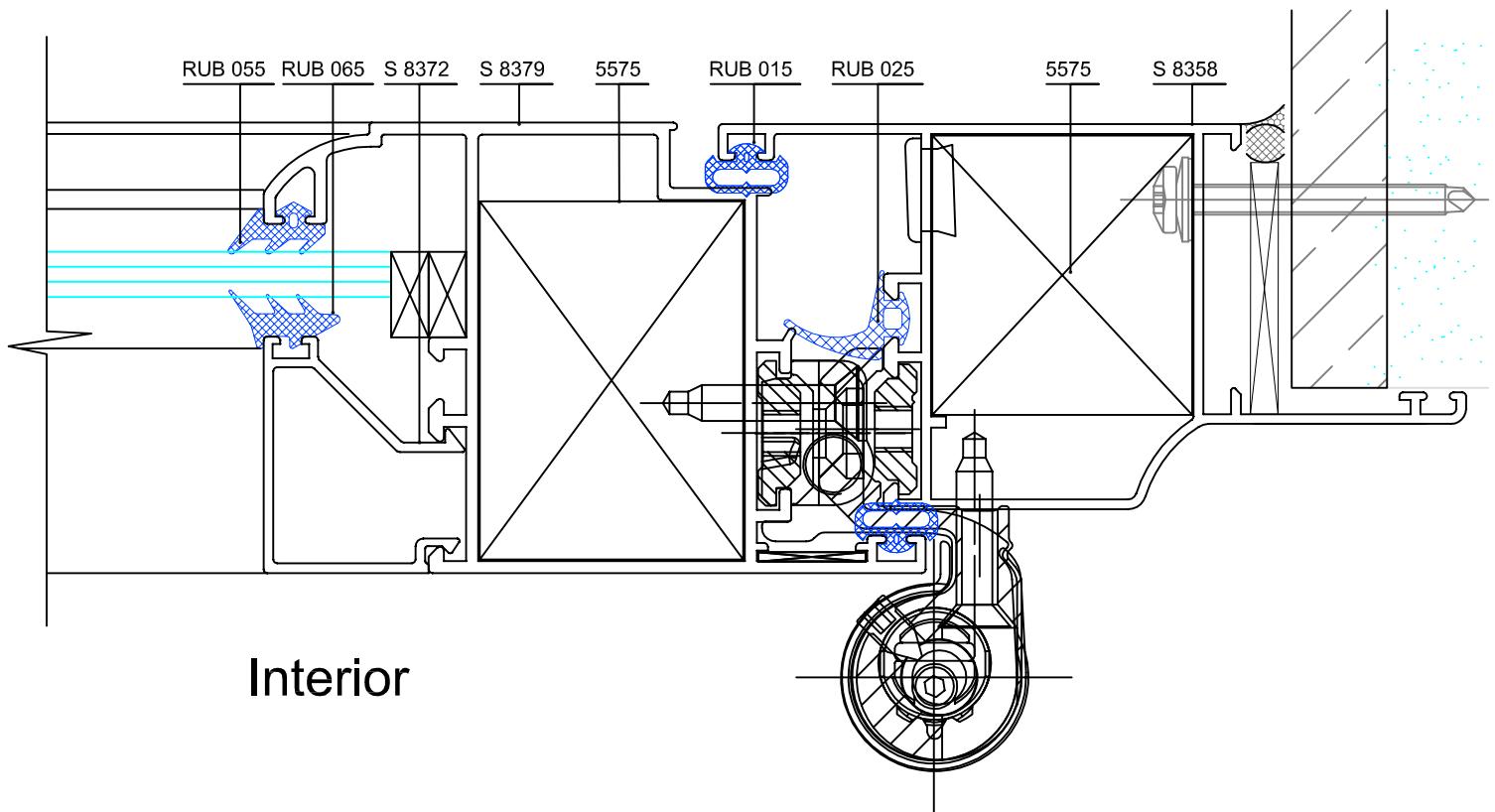
AL-WIN 80® CASEMENT SERIES

INWARD OPENING HINGED DOOR



ELEVATION
SINGLE LEAF
(OPENING INSIDE)
SINGLE 6mm GLAZING

Exterior

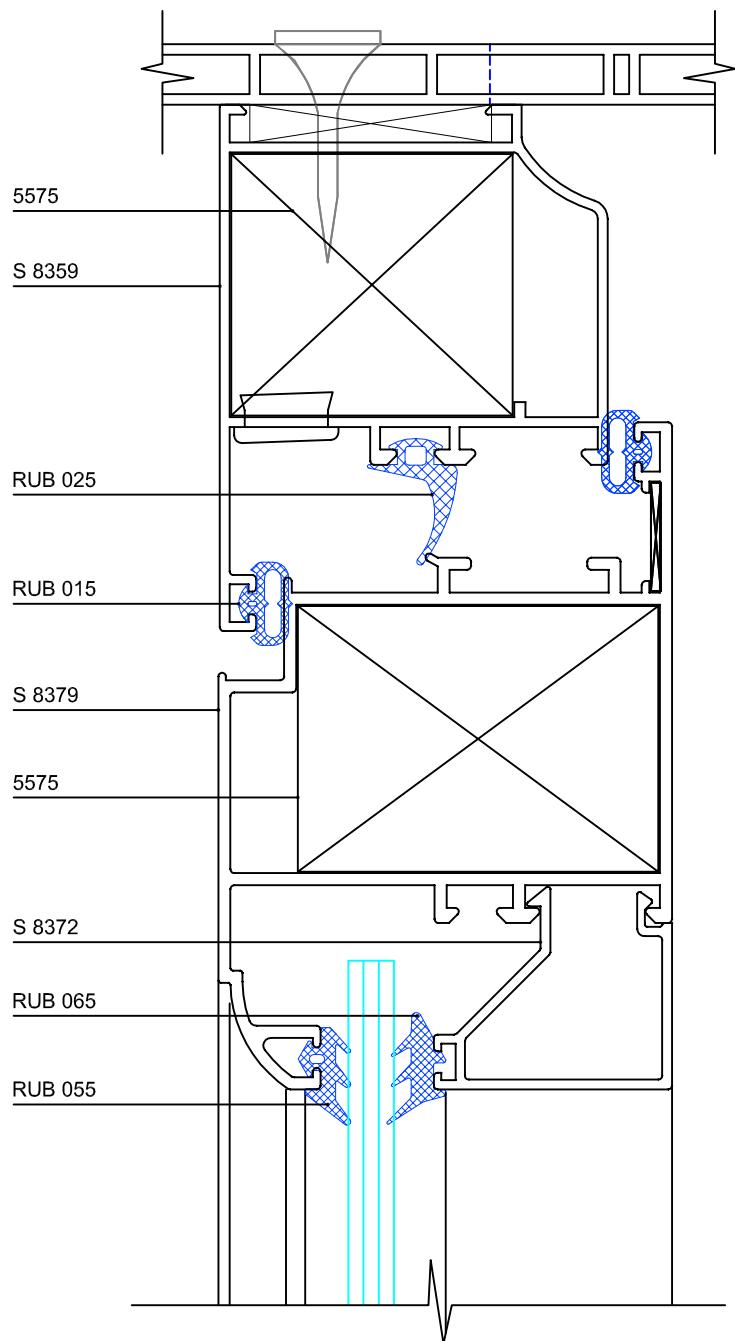
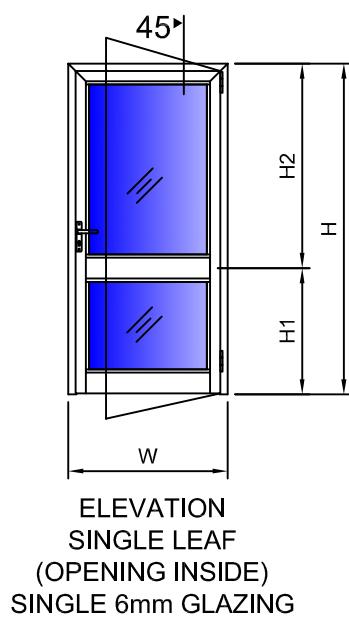


Interior

SECTION AT - 44

AL-WIN 80® CASEMENT SERIES

INWARD OPENING HINGED DOOR



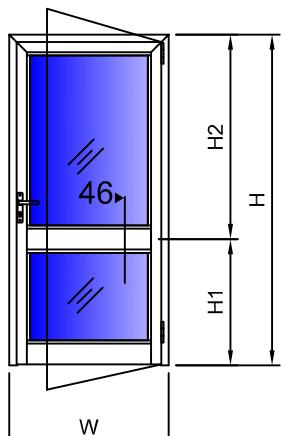
Exterior

Interior

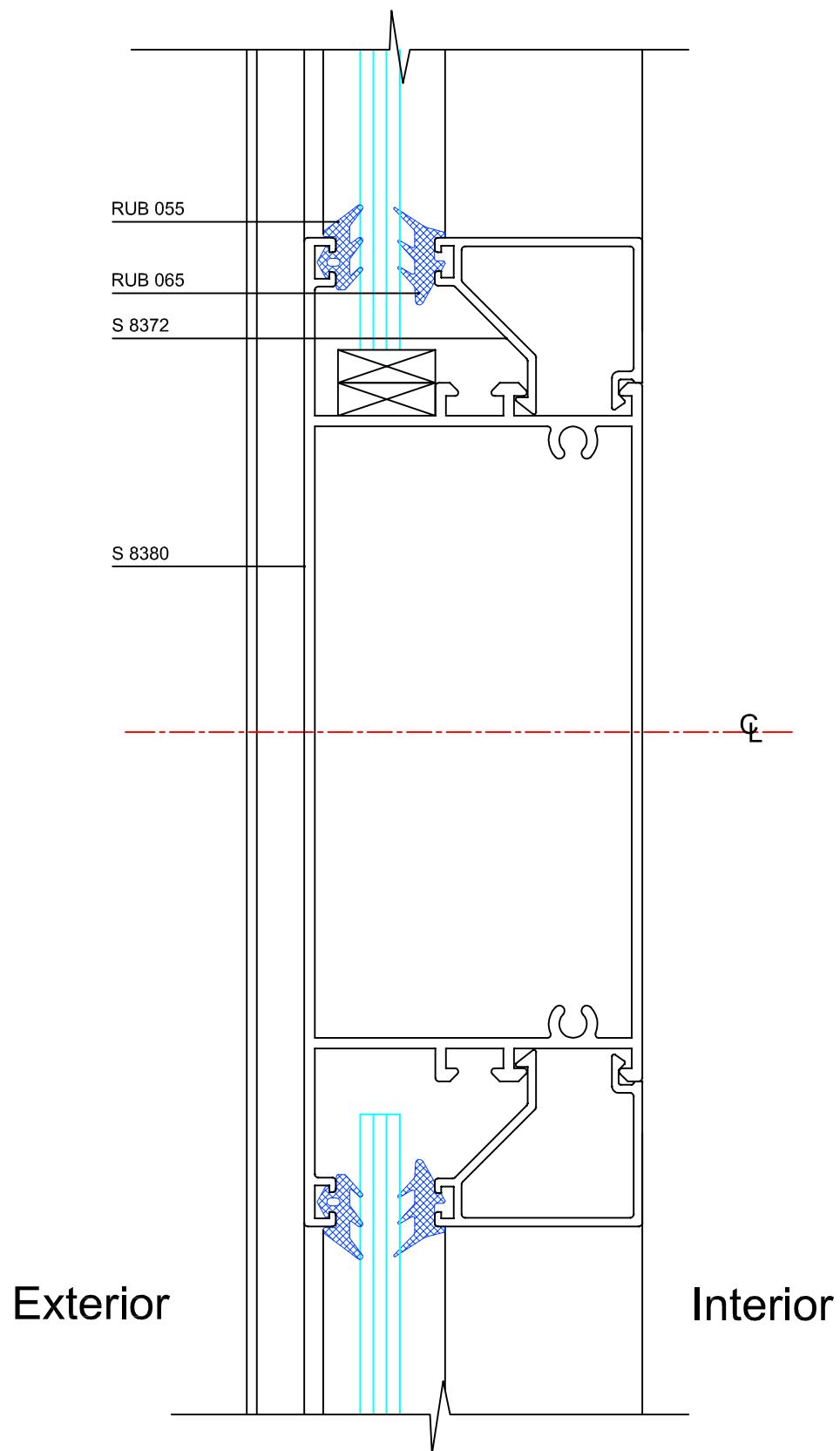
SECTION AT - 45

AL-WIN 80® CASEMENT SERIES

INWARD OPENING HINGED DOOR



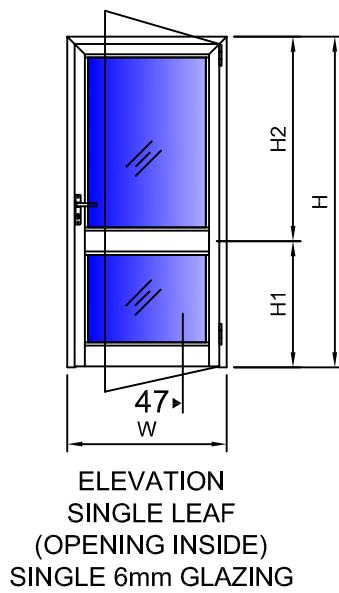
ELEVATION
SINGLE LEAF
(OPENING INSIDE)
SINGLE 6mm GLAZING



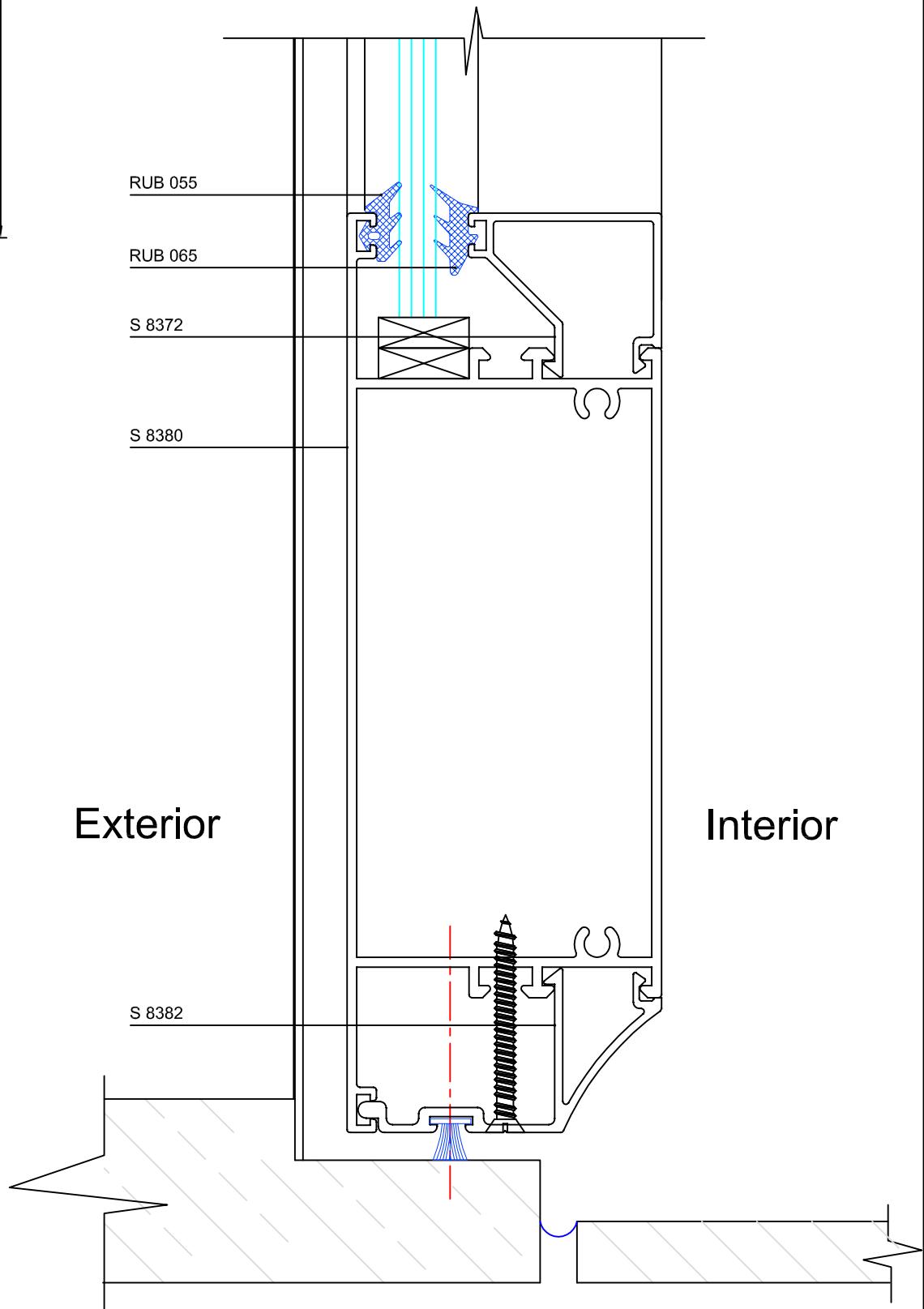
SECTION AT - 46

AL-WIN 80® CASEMENT SERIES

INWARD OPENING HINGED DOOR



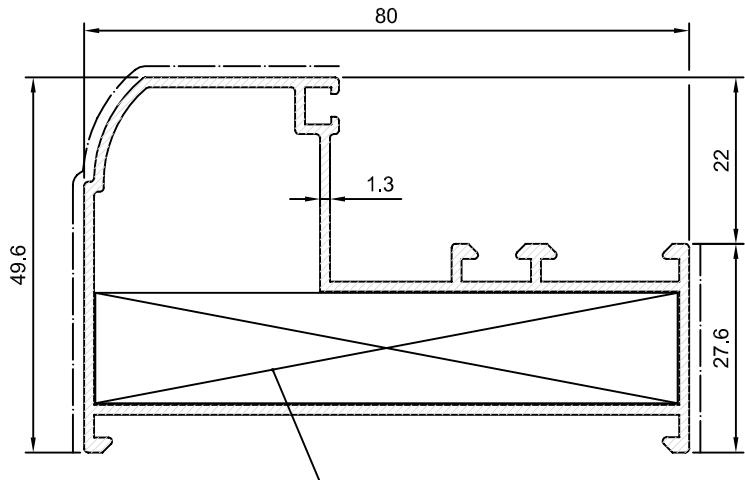
ELEVATION
SINGLE LEAF
(OPENING INSIDE)
SINGLE 6mm GLAZING



SECTION AT - 47

AL-WIN 80® CASEMENT SERIES

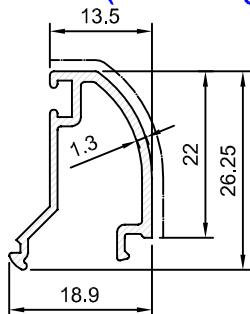
WINDOWS AND DOOR'S SECTIONS



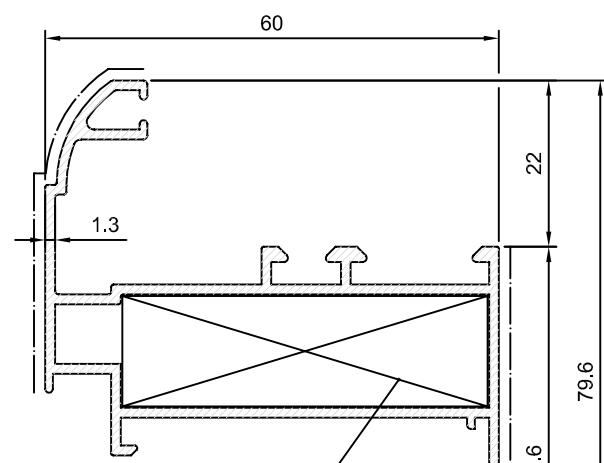
USE EXTRUDED CORNER CLEAT 5574

S 8360

(1.009 Kg / m)



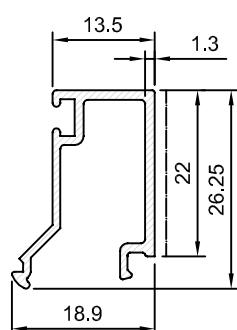
2282
(0.218 Kg / m)



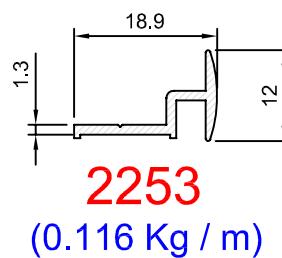
USE EXTRUDED CORNER CLEAT 5574

S 8350

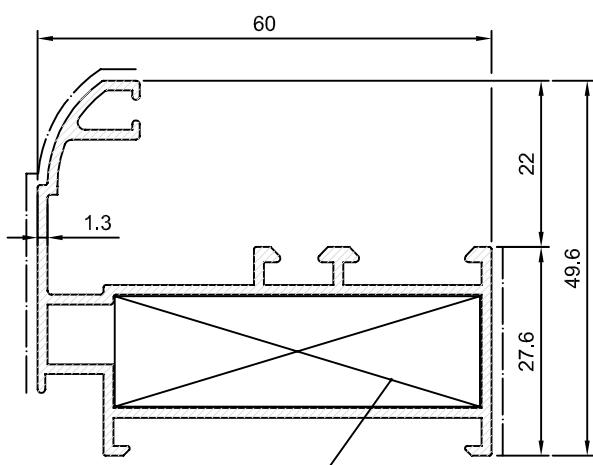
(0.965 Kg / m)



2283
(0.234 Kg / m)

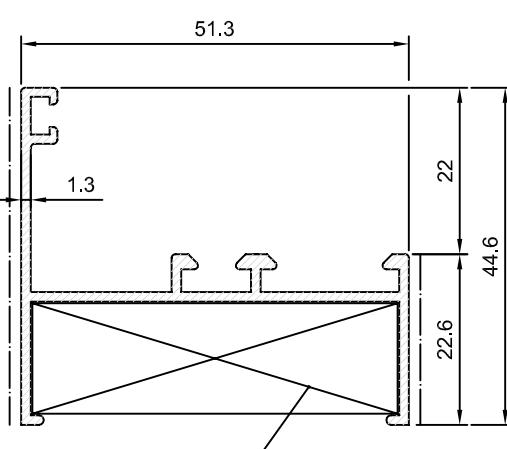


2253
(0.116 Kg / m)



USE EXTRUDED CORNER CLEAT 5574

S 8351
(0.837 Kg / m)



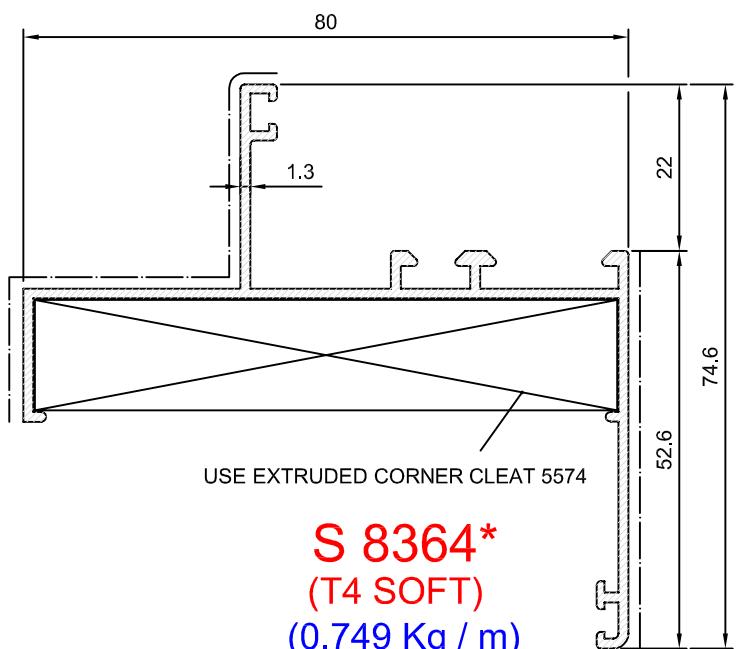
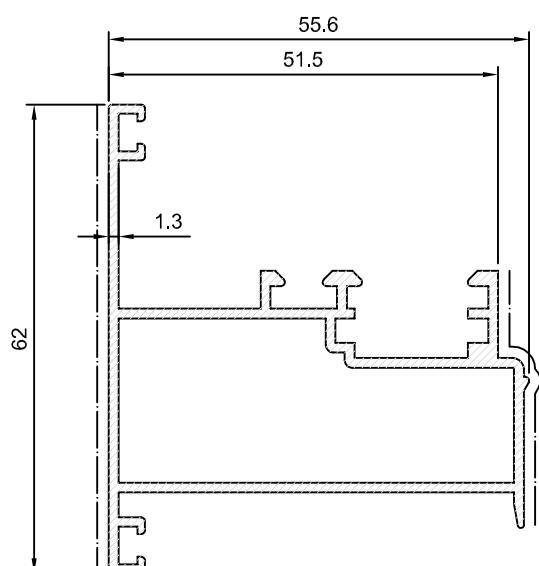
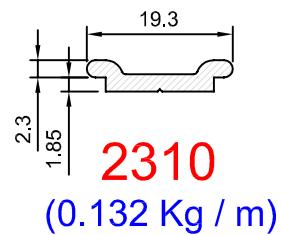
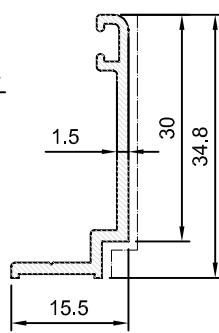
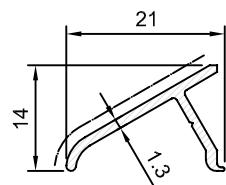
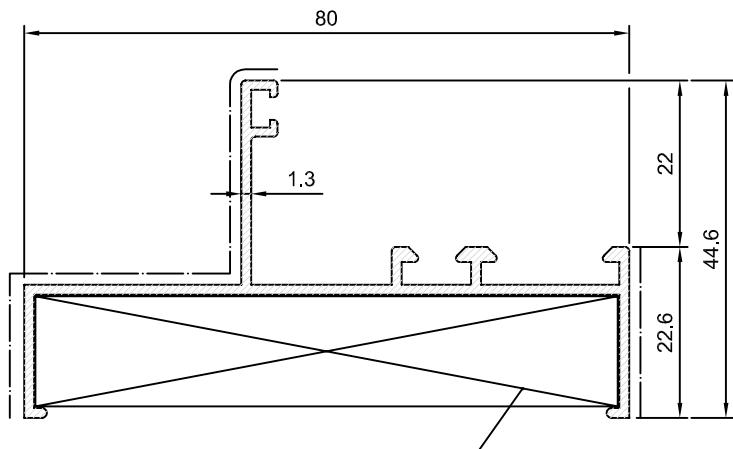
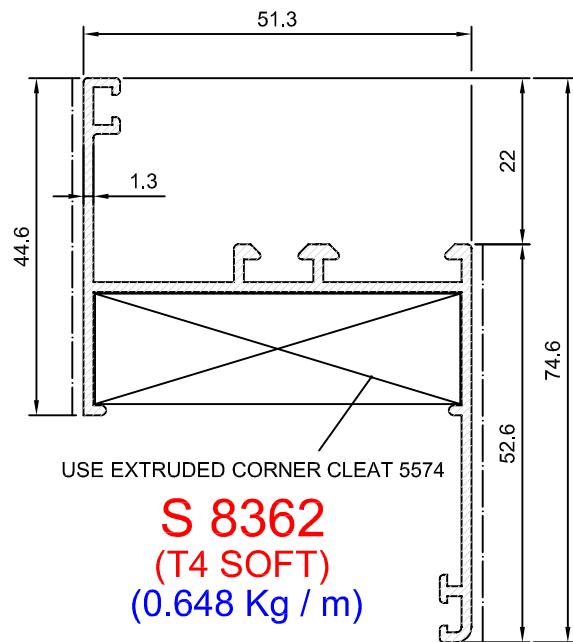
USE EXTRUDED CORNER CLEAT 5574

S 8361*
(T4 SOFT)
(0.516 Kg / m)

* SUBJECT TO INQUIRY

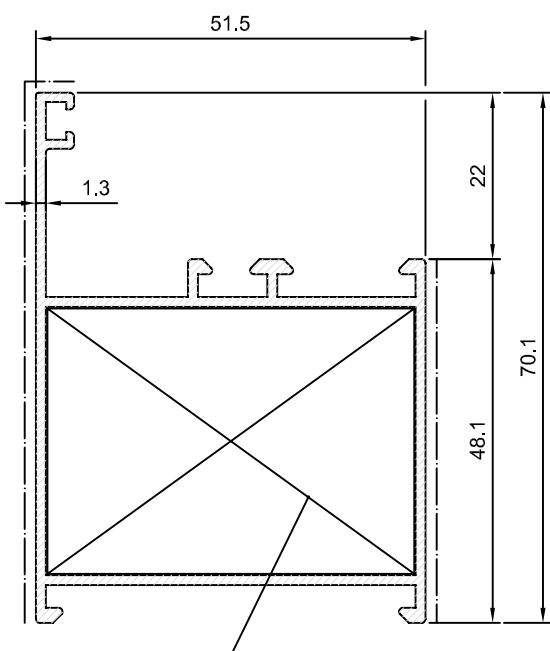
AL-WIN 80® CASEMENT SERIES

WINDOWS AND DOOR'S SECTIONS

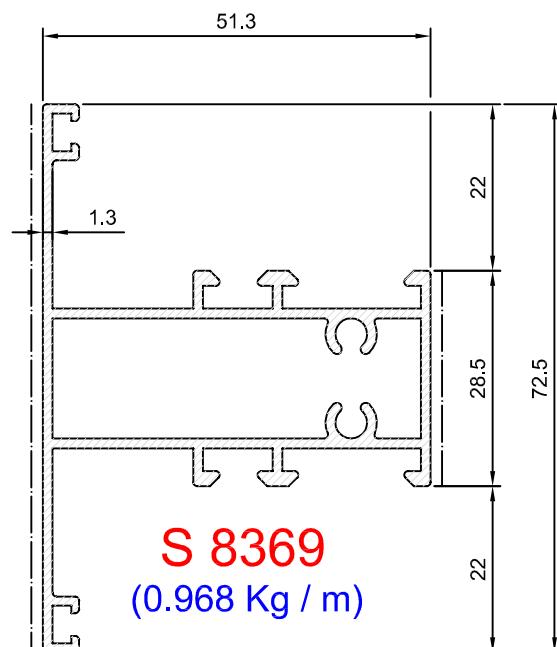
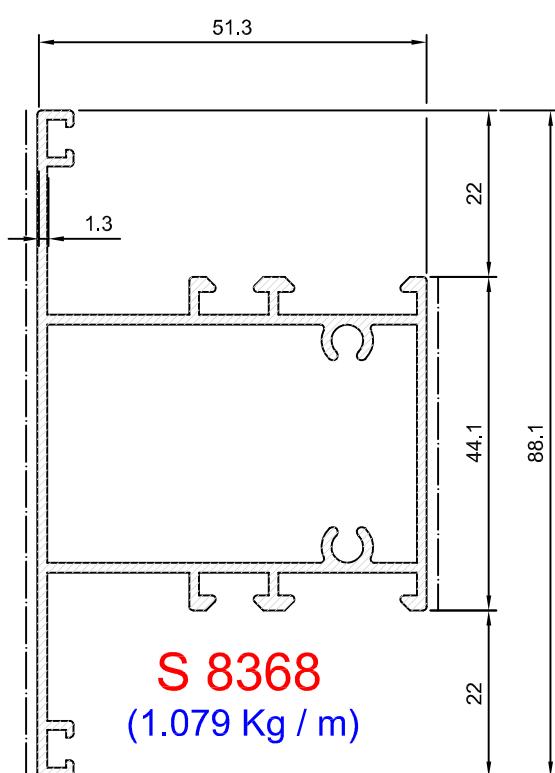
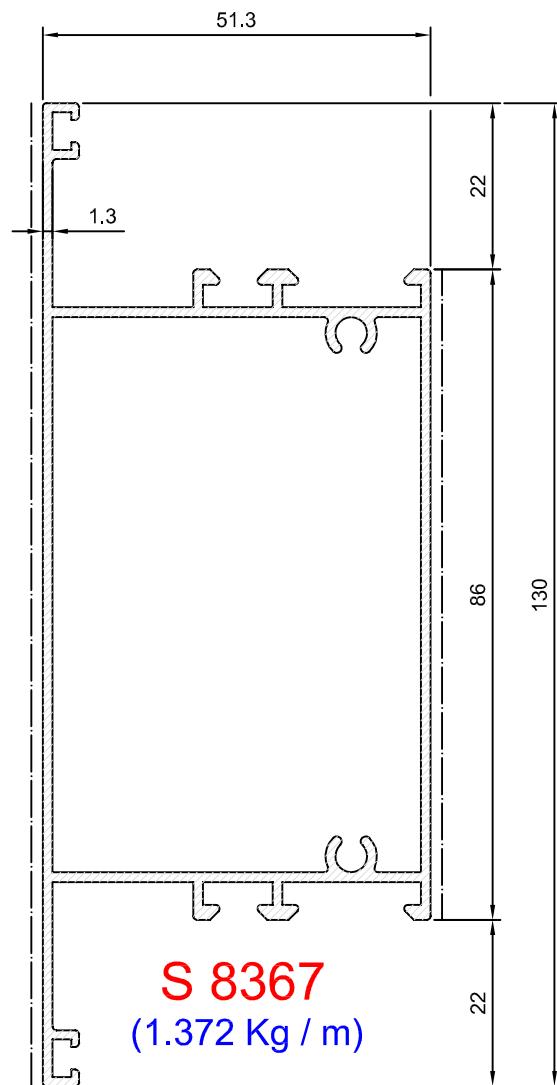


AL-WIN 80® CASEMENT SERIES

WINDOWS AND DOOR'S SECTIONS



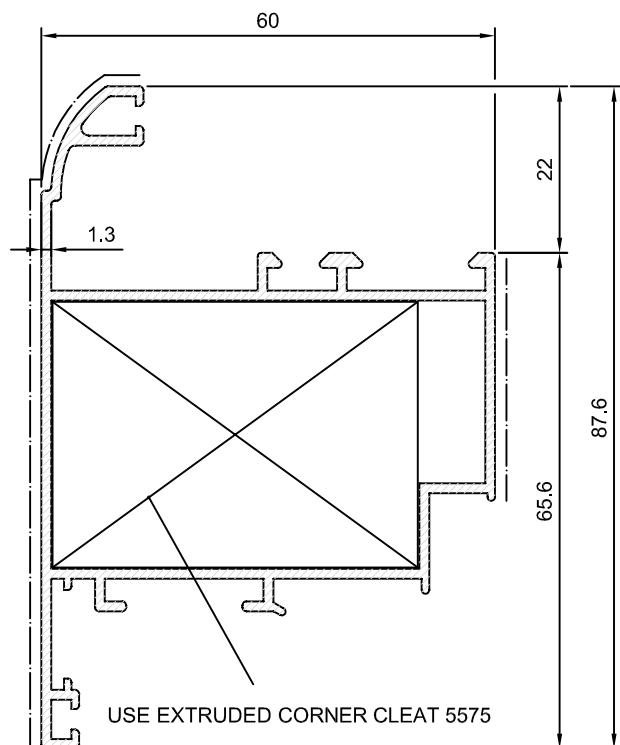
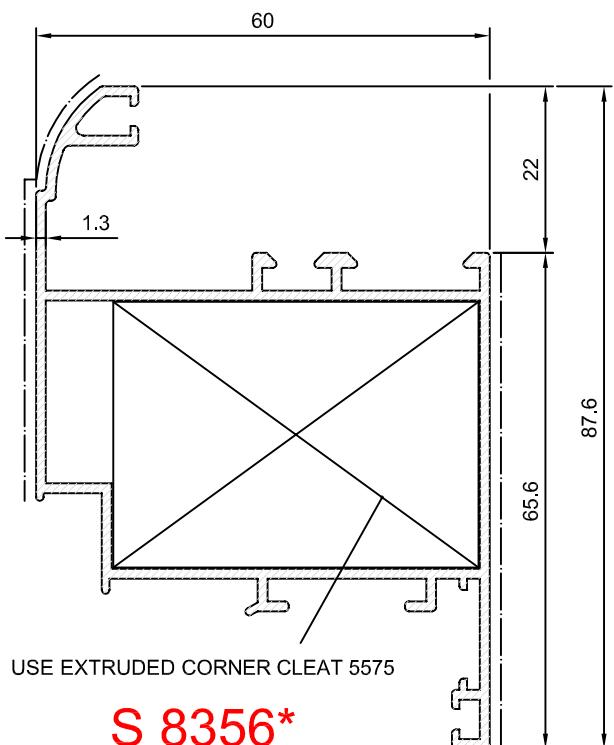
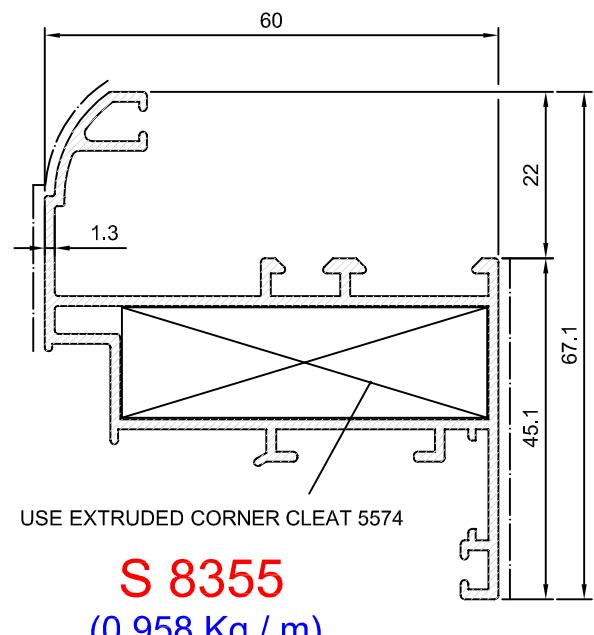
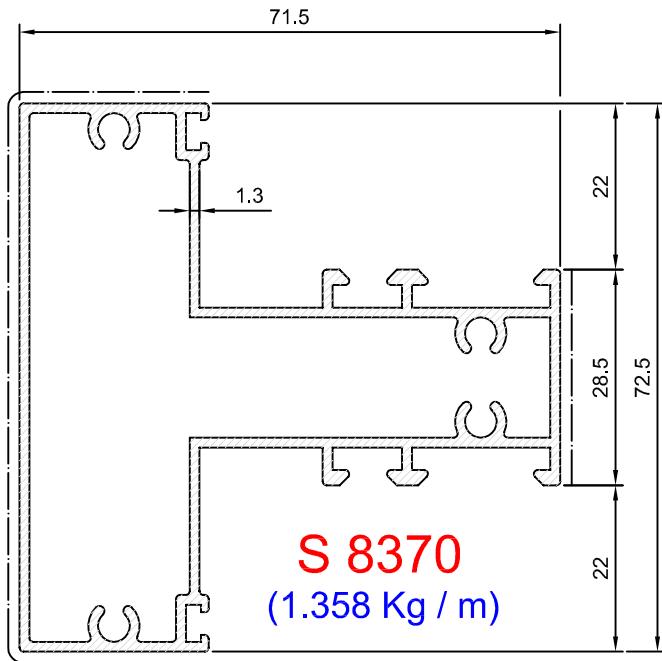
S 8366*
(0.877 Kg / m)



* SUBJECT TO INQUIRY

AL-WIN 80® CASEMENT SERIES

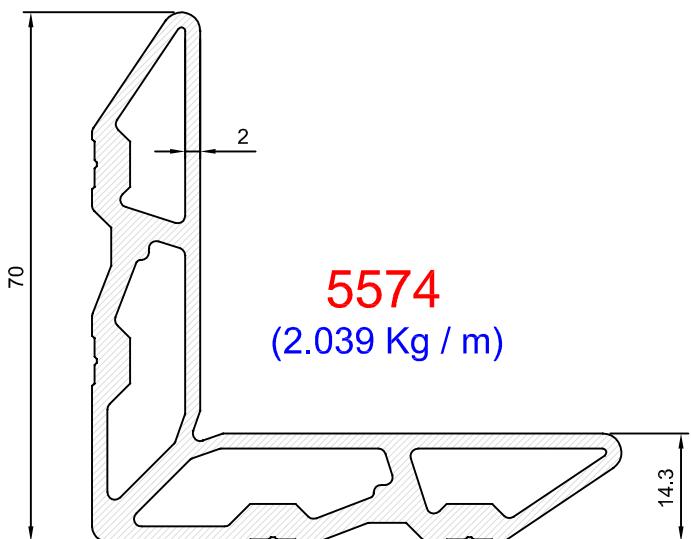
WINDOWS AND DOOR'S SECTIONS



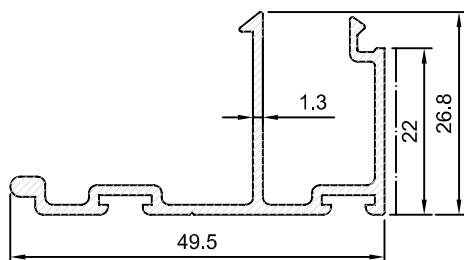
* SUBJECT TO INQUIRY

AL-WIN 80® CASEMENT SERIES

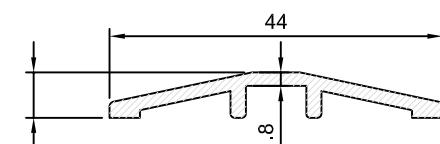
WINDOWS AND DOOR'S SECTIONS



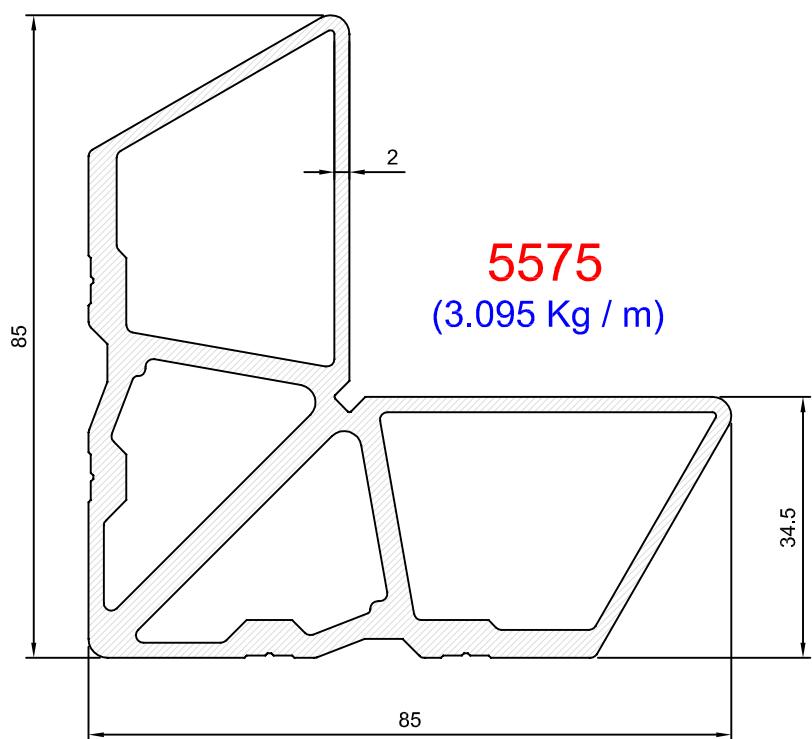
5574
(2.039 Kg / m)



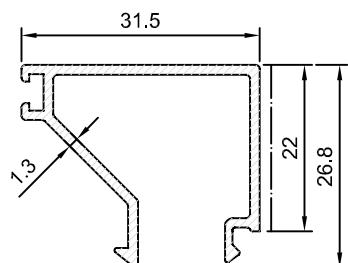
S 8371
(0.433 Kg / m)



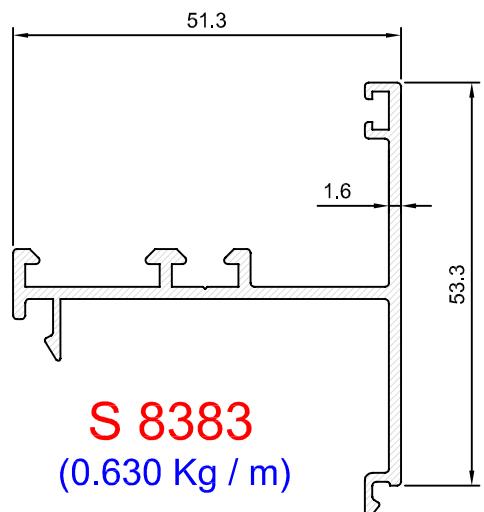
2054
(0.270 Kg / m)



5575
(3.095 Kg / m)



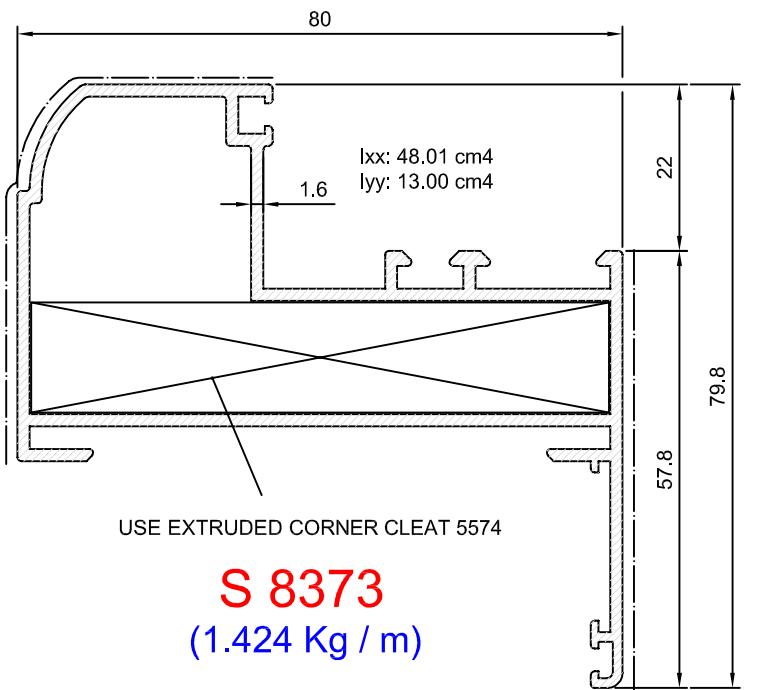
S 8372
(0.333 Kg / m)



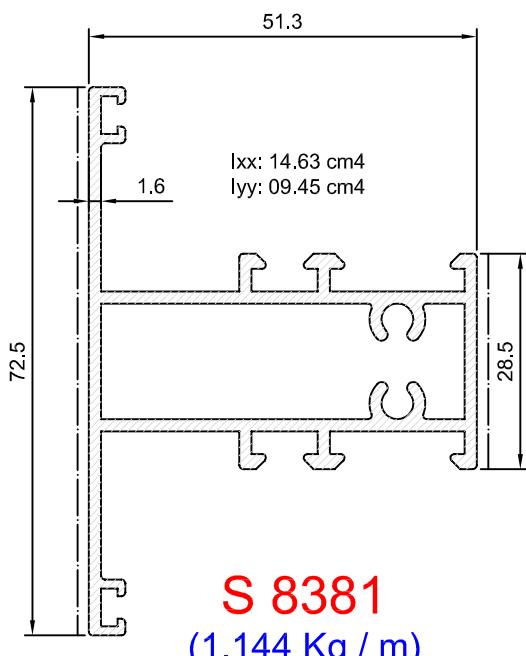
S 8383
(0.630 Kg / m)

AL-WIN 80® CASEMENT SERIES

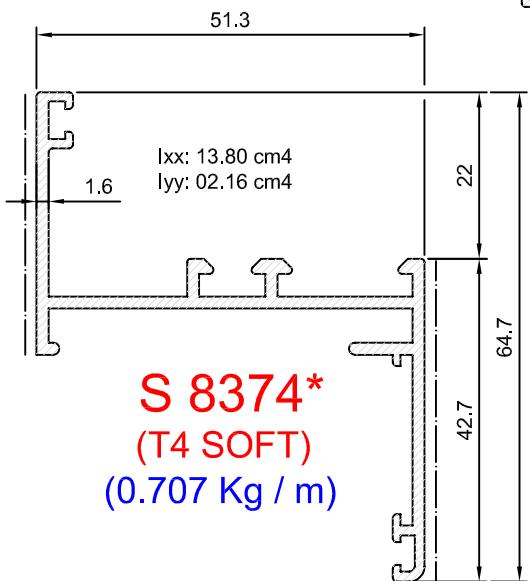
WINDOWS AND DOOR'S SECTIONS



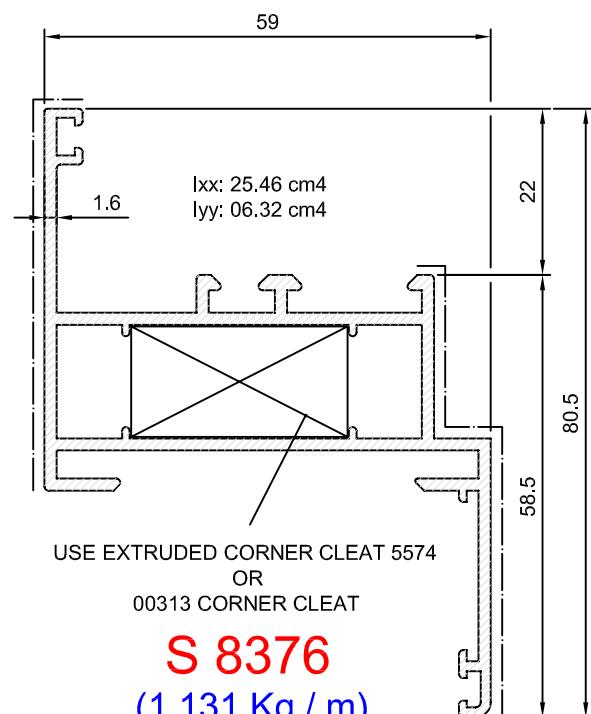
S 8373
(1.424 Kg / m)



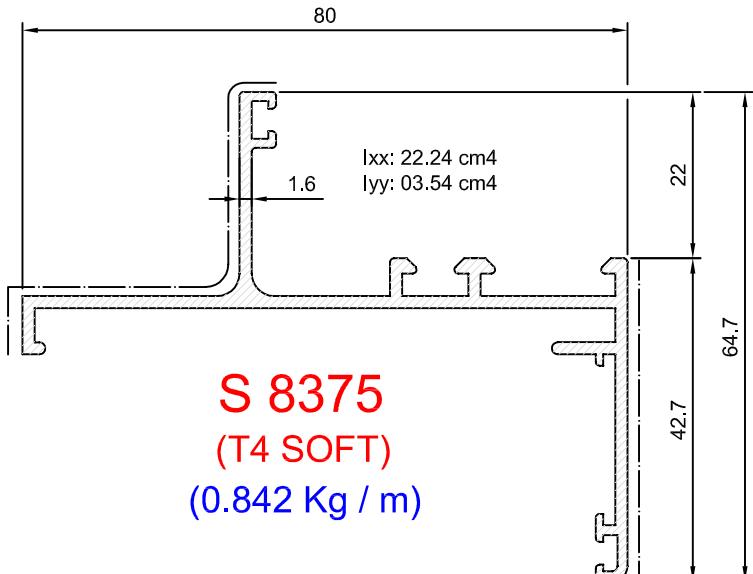
S 8381
(1.144 Kg / m)



S 8374*
(T4 SOFT)
(0.707 Kg / m)



S 8376
(1.131 Kg / m)

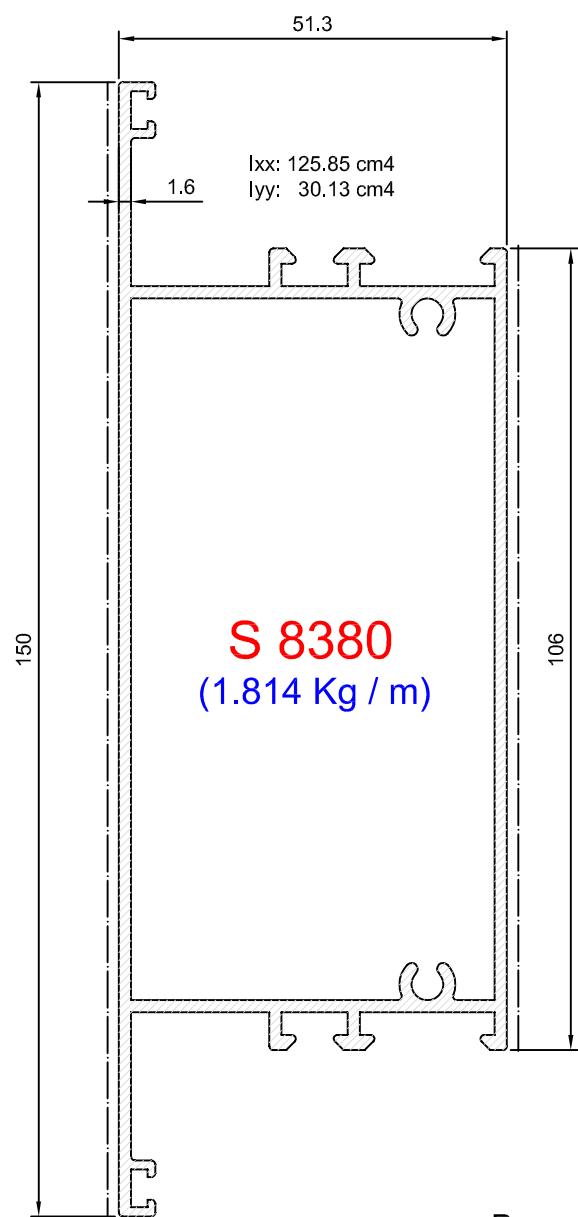
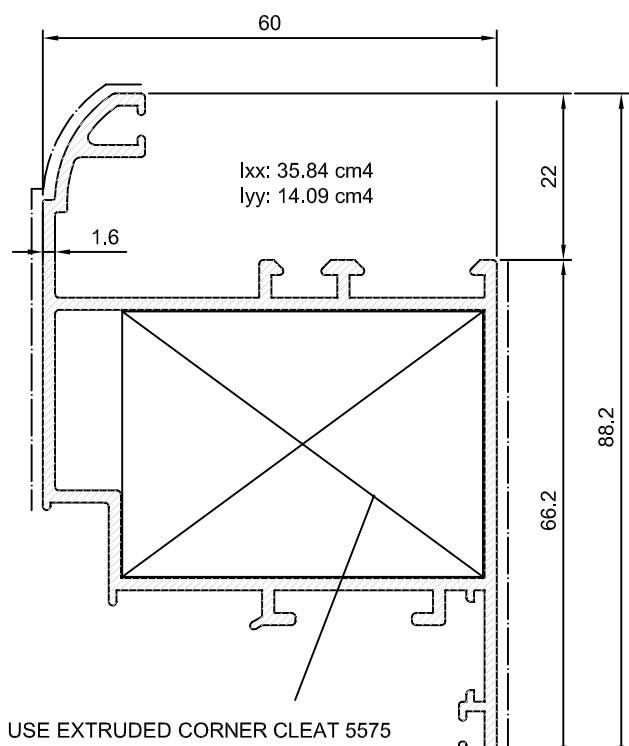
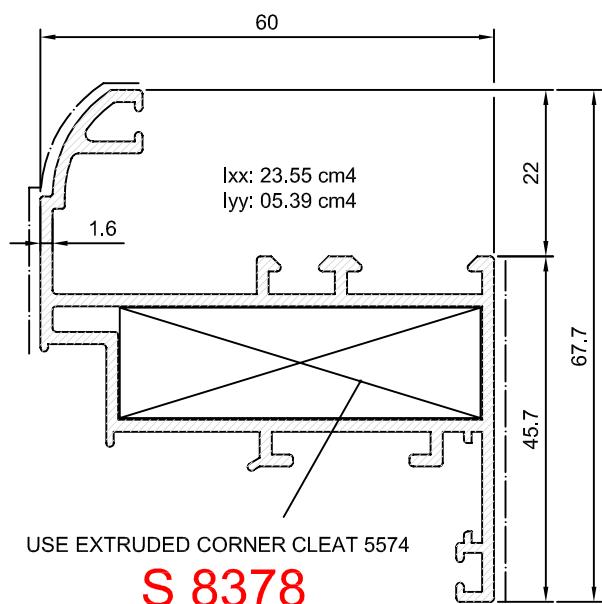
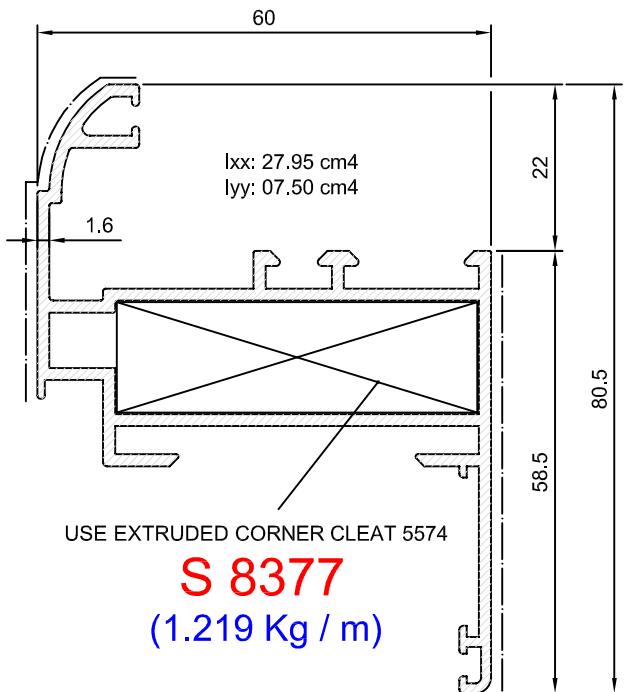


S 8375
(T4 SOFT)
(0.842 Kg / m)

* SUBJECT TO INQUIRY

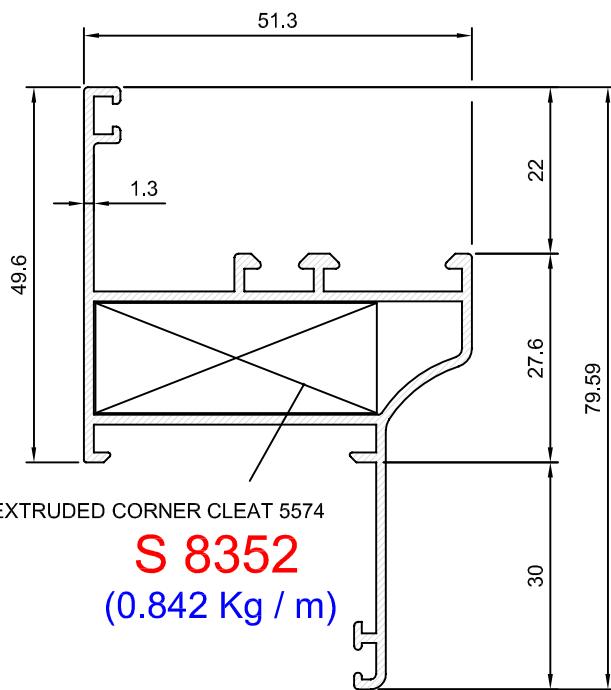
AL-WIN 80® CASEMENT SERIES

WINDOWS AND DOOR'S SECTIONS



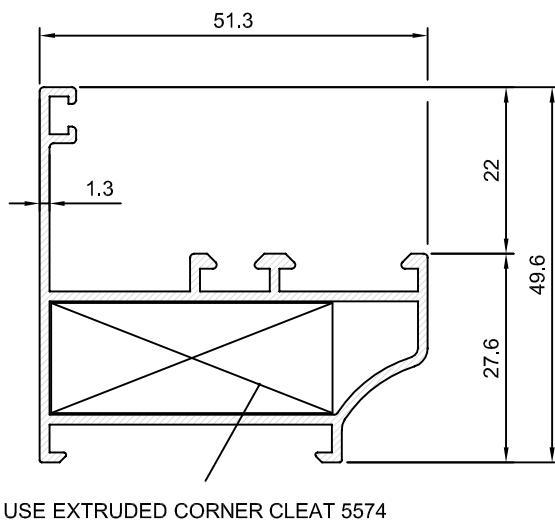
AL-WIN 80® CASEMENT SERIES

WINDOWS AND DOOR'S SECTIONS



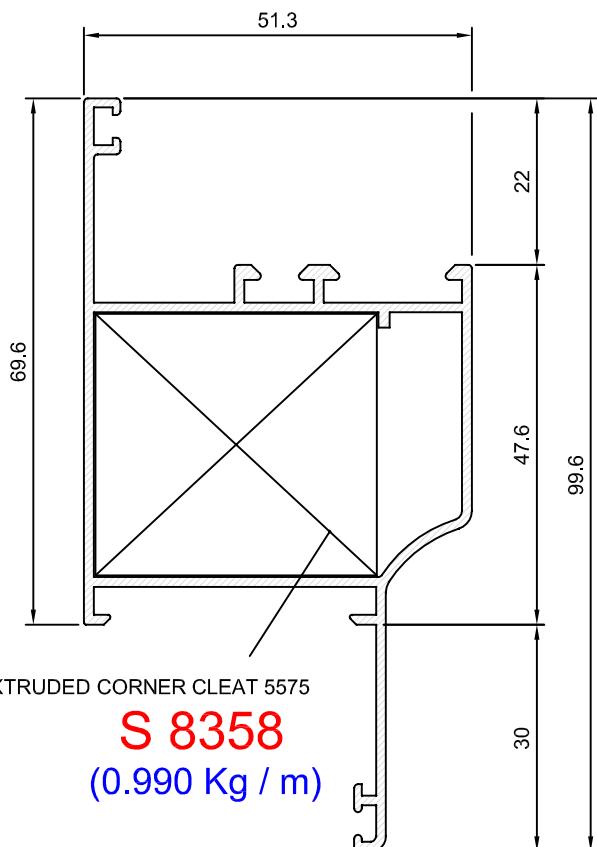
USE EXTRUDED CORNER CLEAT 5574

S 8352
(0.842 Kg / m)



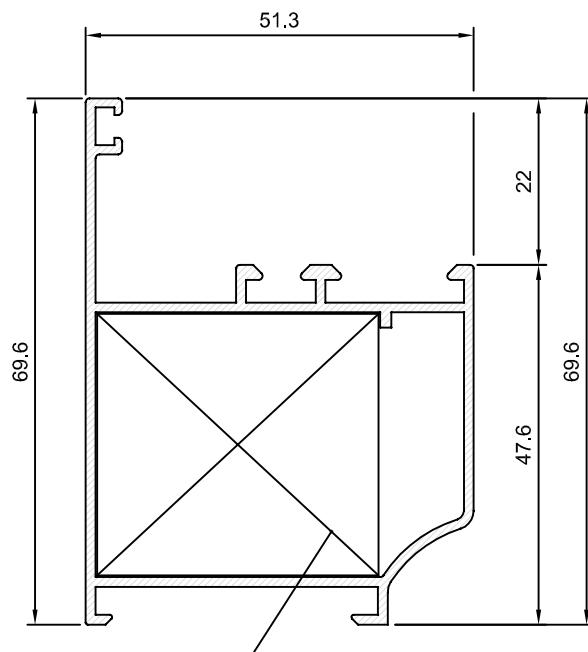
USE EXTRUDED CORNER CLEAT 5574

S 8353*
(0.705 Kg / m)



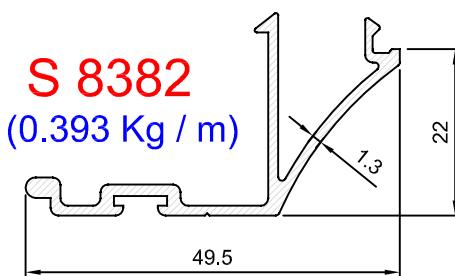
USE EXTRUDED CORNER CLEAT 5575

S 8358
(0.990 Kg / m)



USE EXTRUDED CORNER CLEAT 5575

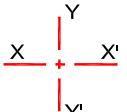
S 8359*
(0.859 Kg / m)



* SUBJECT TO INQUIRY

AL-WIN 80® CASEMENT SERIES

MOMENT OF INERTIA

	Sec. No.	$I_{xx'}$ (CM^4)	$I_{yy'}$ (CM^4)	$\frac{I_{xx'}}{V}$ (CM^3)	$\frac{I_{yy'}}{V}$ (CM^3)		Sec. No.	$I_{xx'}$ (CM^4)	$I_{yy'}$ (CM^4)	$\frac{I_{xx'}}{V}$ (CM^3)	$\frac{I_{yy'}}{V}$ (CM^3)
	S 8350	22.81	05.96				S 8352	13.66	05.63		
	S 8351	14.40	04.16				S 8353	08.75	03.46		
	S 8355	19.91	04.52				S 8358	24.11	10.63		
	S 8356	30.19	11.74				S 8359	13.66	10.04		
	S 8357	21.67	18.65								
	S 8360	27.64	07.68								
	S 8361	07.72	01.60								
	S 8362	14.80	03.27								
	S 8363	15.40	01.99								
	S 8364	23.35	05.36								
	S 8365	13.59	06.56								
	S 8366	15.79	10.22								
	S 8367	68.25	21.91								
	S 8368	17.75	15.15								
	S 8369	12.44	08.40								
	S 8370	28.37	21.68								

AL-WIN 80® CASEMENT SERIES

ACCESSORIES

SL. NO	ACCESSORIES CODE NO.	DESCRIPTION	REMARKS
1.	00120N	HINGES FOR OVERLAP	-
2.	01150	UNICA HANDLE	-
3.	04070	KIT FOR HANDLE (OPEN IN)	-
4.	0103	WING CLOSING PLUG	-
5.	02111	FLUSH BOLT FOR COMBINED WING	-
6.	A300	PLASTIC 5mm GL BLOCK	-
7.	2314	DRAIN HOLE COVER	-
8.	01701	FINGER CATCHER	-
9.	02040	STAY RAM	-
10.	00598	DOOR HINGES	-
11.	2472	DOOR LIVER HANDLE	-
12.	00365	ALIGNMENT CORNER	-
13.	01314	STRICKER LATCH	-
14.	2144	BRASS BUSH	-
15.	91135XC	DOMUS LOCK SET	-
16.	16075K	DOMUS CYLINDER 74mm	-
17.	90185X	DOMUS STRIKING PLATE	-
18.	2604	DOUBLE BEND HANDLE	-
19.	2668	KIT FOR HANDLE	-
20.	92135XT	DOMUS ROLLER LOCK SET	-
21.	BTS 75V	DORMA FLOOR SPRING COVER PIVOTS COMPLETE SET	-

AL-WIN 80® CASEMENT SERIES

E.P.D.M GASKETS

SL. NO	GASKETS CODE NO.	GASKETS SHAPE	DESCRIPTION	REMARKS
1.	RUB 015		IMPACT GASKET EXTERNAL	-
2.	RUB 025		CENTRE GASKET	-
3.	RUB 055		OUTER GASKET	-
4.	RUB 065		INNER GASKET	-
5.	RUB 070		THRESHOULD GASKET	-
6.	PB.69-600-3P		WEATHER SEAL PILE	-