



The AMS XT66 window system offers unique patented architectural design features combined with market leading thermal performance. This window suite combines all the latest technology in window design to ensure all requirements of building regulations and project specifications are exceeded

Introduction:

The suite of profiles has equal leg and unequal leg sections to accommodate all anticipated framing options. Various additional profiles can be designed, and incorporated, allowing architects achieve project specific designs. The system can be glazed both internally and externally with double & triple glazed units from 28mm, through to 48mm. Sash options include side hung, top hung, bottom hung, parallel opening, open in and open out configurations. Not only does our XT66 window system offer CENsolutions 'gold' standard certification but also offers secured by design.

Thermal Performance:

XT66 is designed to offer the specifier excellent U-frame and U-window values to achieve and exceed overall project and building regulation requirements.

Scope:

This specification defines materials, fabrication, paint finishes, and size limitations for casement windows.

Materials:

Aluminium profiles are extruded from aluminium alloy 6063 T5 and T6 complying with BS EN 12020-2:2008 and BS EN 755: 1 – 9.

Paint Finishes

Polyester Powder Coatings:

Aluminium profiles are polyester powder coated to BS EN 12206-1:2004. AMS offers in house painting with the following Qualicoat approved paint suppliers –Valspar / Syntha Pulvin, AkzoNobel Interpon, Axalta.

Pre-treatment:

Pre-treatment is an 8 stage, chromate free, process and our painted finishes offer a minimum 25 year guarantee. Projects in close proximity to marine/ hazardous environments require a special application. Guarantees for these locations must be applied for prior to painting any material.

Decoral:

Aluminium profiles can be polyester powder coated with a woodgrain effect paint finish to BS EN 12206-1:2004. Woodgrain finishes include,

Mahogany, Golden oak, Dark oak, Natural oak, Winchester Oak, Teak, Raw teak, Teak softwood, Chestnut, Oregon, Natural Oregon, Yellow Oregon, Oregon pine, Knotty pine, Natural maple, Cinnamon, Worn ash, Rosewood,



Anodised:

Aluminium profiles can be anodised to BS EN ISO 7599:2010 or BS 3987:1991.

Fabrication:

Frame members shall be mitre cut at 45° and corners are reinforced with extruded aluminium crimping cleats and corner braces. A secure joint is achieved by means of a mechanical crimp along with the insertion of a two part epoxy adhesive. Intermediate mullion and transom bars shall be square cut, shaped and fixed securely to the frame by means of a fixing bracket which is securely fixed to the transom end with stainless steel screws.

All frame joints shall be sealed during construction against entry of water using a suitable low modulus silicone sealant.

Glazing:

Glass shall be set against EPDM gaskets externally which are fitted into gasket grooves in the frame. All Gaskets are EPDM and manufactured to BS 4255 and tested to BS EN 12365-4:2003. Internal vulcanised, EPDM corners, to be used around sash profiles for improved air and water tightness. Gaskets to be designed so as they are easily replaceable, if required, during scheduled maintenance work and EPDM gaskets offers a 10 year guarantee.

Snap in pvc bead clips and extruded aluminium retention plates shall be utilized to hold glazing beads in place.

Glazing shall be to BS 6262:2005 part 1-7, and Building Regulations Document N (UK). For internal glazing, the XT66 rebate reverser should be utilised, these give excellent thermal performance whilst retaining the slim slight lines of the XT66 system and eliminates the requirement for scaffolding or lifting equipment when replacing glass units.

Installation:

AMS offer detailed installation instructions on all systems and these should be followed as per AMS's technical department's recommendations.

Casement Window Fittings:

The system is designed to suit heavy duty, 17mm stack height, friction hinges in conjunction with either cockspur handles or an espagnolette multi point locking. For larger sashes an espagnolette all round perimeter multi- locking system can be used which has enhanced security features.

Friction hinges:

Friction hinges are heavy duty and are supplied in different length up to 28". Hinges have a stack height of 17mm and are available in restricted or non restricted options. Heavy duty hinges are manufactured from high grade austenitic steel and have be proven to a lifetime of 50,000 cycles.

Opening '	Vents – ˈ	Top Hung	Open out	Casement

Maximum Opening Vent Height:	1700mm
Maximum Opening Vent Width:	1400mm
Maximum Opening Vent Weight:	100KG

Opening Vents – Side Hung Open out Casement

Maximum Opening Vent	Height:	1620mm
Maximum Opening Vent	Width:	760mm
Maximum Opening Vent	Weight:	42KG



Tilt & Turn gear limitations:

Sash size limitations for the XT6908 are based on Siegenia concealed Tilt & turn gear, Axxent 24+. Refer to page 2.6.26 of the manual for detailed size limitations, sizes are based on glazing weights. Below are the maximum limits but the sizing chart on 2.6.26 gives accurate guidance and should be referred to.

Windows:

Sash rebate width (mm) 1500mm
Sash rebate height (mm) 3000mm
Sash weight (kg) 100 kg's

Note: the sash rebate width must not exceed 2 times the sash rebate height.

Structure:

Section performance requirements must be calculated from site conditions and all loading requirements. All structural profiles shall be designed so as the maximum deflection of any member shall not exceed L/175 of its span. Guidance on deflection limits can be found in the CWCT standard for systemised building envelopes. Guidance may also be sought from the glass manufacturer. There shall be no evidence of any permanent deformation once the load has been removed. Exposure categories to be determined by BS EN 1991-1-1-4:2005+A1:2010 or for low rise applications to BS 6375-1: 2015.

Performance:

The casement window system has been fully tested to the following exposure categories and standards BS 6375-1 & 2: 2009. The tests were undertaken at BM Trada test laboratories in the UK. Reports are available upon request.

Tested to BS 6375-1: 2009 & PAS 24:2012.

Air Classification – A4: 600 Pa. Water Tightness – E900: 900 Pa. Wind Resistance – E2400: 2400 Pa.

Tested to BS 6375 - 2: 2009:

Resistance to racking - Class 3.

Resistance to static torsion - Class 3.

Resistance to repeated opening and closing - Class3 (20,000 cycles).

Operating forces - Class 1.

BS 6375 – 3:2009, basic security test – Pass.

The XT Tilt & turn window system has been fully tested to BS 6375-1 : 2015. The tests were undertaken at ERC test laboratories in the UK. Reports are available upon request.

Tested to BS 6375-1: 2015 & PAS 24:2016.

Air Classification – A4 600 Pa. Water Tightness – E1050: 1050 Pa.

Wind Resistance - E2400: 2400 Pa.



Thermal Performance:

The XT66 casement window system can achieve window U-values as low as 0.9 W/m2K with triple glazing or 1.34 W/m2K with double glazing, with warm edge spacer bars. Window and project U-values can be calculated and compliance demonstrated using Logikal software or finite element analysis software 'Bisco'. AMS are certified by the BFRC (British Fenestration Rating council) for carrying out thermal simulations and energy ratings of windows and doors. This ensures correct methodology for calculating the thermal performance of fenestration products.

Security:

The AMS XT66 casement window has passed the security test PAS 24:2012, enhanced security performance requirements for window and door sets. To conform to this standard the window system must be fitted with our Cotswold heavy duty hinges including Cotswold hinge guards, interlocking wedges, Nico espag locking system and Titon espag or pro-linea handles. The system can be either internally or externally glazed.

The AMS XT66 tilt & turn window has also passed the security test PAS 24:2016, enhanced security performance requirements for window and door sets. To conform to this standard the window system must be fitted with the Siegenia AF Axxent 24+ concealed tilt and turn gear. Fitting of keeps, run-up blocks and anti-lift device to be in accordance with the technical manual.

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- 2.6.02 25-07-17 : Profile listing, adapters, beads, gaskets.
- 2.6.03 25-07-17 : Accessories.
- 2.6.04 25-07-17 : Accessories.
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- 2.6.11 25-07-17 : Assembly, XT6202 / XT6 923.
- 2.6.12 25-07-17 : Assembly, XT6202 / XT6 923 with TBS161.
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- 2.6.16 25-07-17 : Fixing detail.
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- 2.6.21 25-07-17 : Coupler, corner post & Bay detail.
- 2.6.22 25-07-17 : XT66 coupler to TS66 Doors.
- 2.6.23 25-07-17 : Coupler details.
- 2.6.24 25-07-17 : Assembly, 48.8mm glazing with rebate reverser
- 2.6.25 25-07-17 : Curtain wall insert details.
- 2.6.26: Sash limitations XT6 908 tilt & turn.

AMS Ltd. Wallingstown, Little Island, Co. Cork:

Tel: 021 4705100 Fax: 021 4705198, E-mail: pohara@ams.ie, Web: www.ams.ie







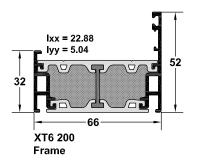


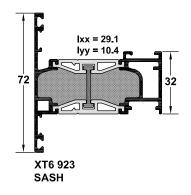


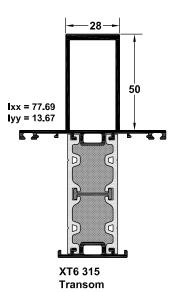




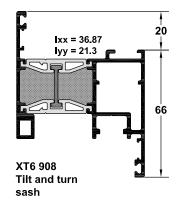
Profile Listing Scale NTS

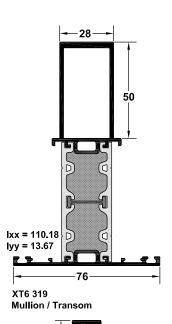


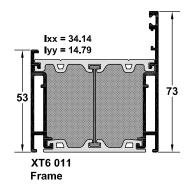


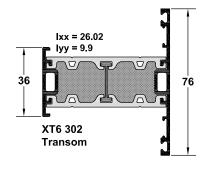


1xx = 27.59 1yy = 7.9 60 XT6 202 Frame



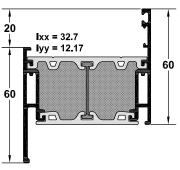




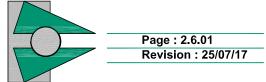




XT6 310 100mm fin mullion

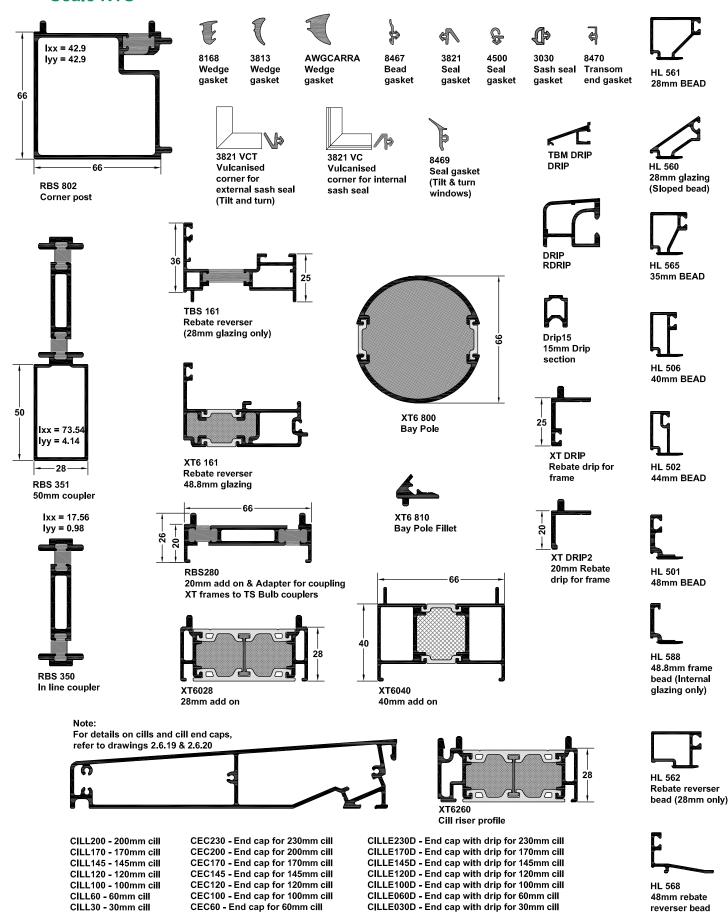


XT6 322 Unequal leg frame (Compatible with XT6 202 only)



Profile Listing Scale NTS

CILLE60 - Cill extender

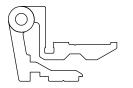




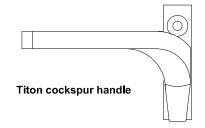
CILLE030S - End cap for 30mm cill

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Accessories Scale NTS

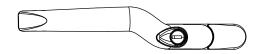


Crest butt hinge - 100mm TSHB - BLACK TSHW - WHITE **TSHN - SILVER TSHM - MILL FINISH**



Description	Colour
Titon right hand	Silver
Titon left hand	Silver
Titon right hand	Black
Titon left hand	Black
Titon right hand	White
Titon left hand	White
	Titon right hand Titon left hand Titon right hand Titon left hand Titon left hand





Prolinea espag handle with 15mm spindle

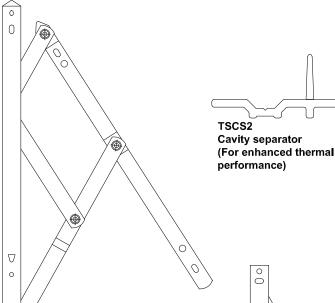
Code	Description	Colour
EHWL	Prolinea left hand	White
EHWR	Prolinea Right hand	White
EHBL	Prolinea left hand	Black
EHBR	Prolinea Right hand	Black
EHGL	Prolinea left hand	Gold
EHGR	Prolinea Right hand	Gold
EHSL	Prolinea left hand	Silver
EHSR	Prolinea Right hand	Silver
EHCL	Prolinea left hand	Chrome
EHCR	Prolinea Right hand	Chrome
EHWKP	Prolinea left hand	Key plug
EHWKP	Prolinea Right hand	Key plug

Handle specification for TS6 913, TS6 923, TS6 915 & TS6 911

Espag locks - TS6 915, TS6 913 & TS6 923

EN1150 - 1150mm espag (22mm backset) EN 950 - 950mm espag (22mm backset) EN 750 - 750mm espag (22mm backset) EN 550 - 550mm espag (22mm backset) EN 350 - 350mm espag (22mm backset)

EN 280 - 280mm espag (22mm backset)



Offset - disabled access handle

Espag locks - XT6 923 EDA1150 - 1150mm espag (22mm backset) EDA 950 - 950mm espag (22mm backset) EDA 750 - 750mm espag (22mm backset)

250

Heavy duty 17mm stack height hinge

• 0

HD10 - 10" hinge

HD16 - 16" hinge HD22 - 22" hinge (Self balancing)

HD26 - 26" hinge HD28 - 28" hinge

Heavy duty 'Egress Hinge' HD12E - 12" HD side hung hinge HD16E - 16" HD side hung hinge

> Heavy duty restrictor HD102 - 6" restrictor HD102x - 10" restrictor

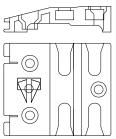
MILA releasable restrictor:

AWRAR - R/H releasable restrictor arm AWRAL - L/H releasable restrictor arm AWRAS - Fixing stud for restrictor arm

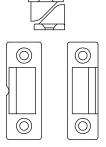


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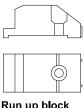
Accessories **Scale NTS**



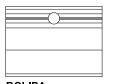
TS6K3 New TS keep (No packer required available Oct 2017)



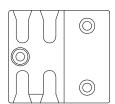
Interlocking wedge LWBK - Black LWW - White



Run up block **TSA 010**

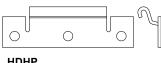


BCLIPA Bead retaining clip



TS6K2 TS modified espag keep with night vent position



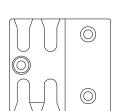


HDHP Hinge protector

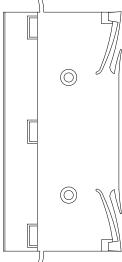
Cosmofin 900g

CF010

two part adhesive



TS6KS2 TS modified espag security keep



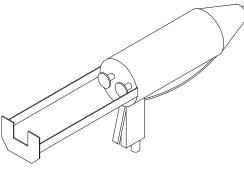
TS6KP Keep location packer for **TS6K2 & TS6KS2**



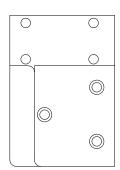
520109 Fixing stud for R drip profile



Cosmofin mixing tube CF030



Cosmofin applicator CF020 Manual applicator CF021 Pneumatic applicator



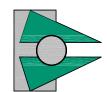
Transom bracket XT6CL - Left hand XT6CR - Right hand



Drain cap: DHCB - Brown DHCB1 - Black DHCG - Oak **DHCS - Grey DHCW - White**



XTFL - 30 x 200mm foam frame fixing lug



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Sash Limitations

Profile reference: XT6 923

TOP HUNG	Maximum Width (mm)	Maximum Height (mm)	Maximum weight (kg)	Angle of opening
HD 10	1800	750	50kg @ 50° 40kg @ 84°	50° or 84°
HD 16	1800	800	100kg @ 30° 55kg @ 50° 50kg @ 90°	30°, 50° or 90°
HD 22 SB	1600	1500	100 @ 20° 80 @ 40°	20 & 40°
HD 28	1400	1700	100 kg	15°

Profile reference: XT6 923

SIDE HUNG	Maximum Width (mm)	Maximum Height (mm)	Maximum weight (kg)	Angle of opening
HD 10	650	1530	34.5	50° or 84°
HD 16	765	1620	42	30°, 50° or 90°

Profile reference: TS6 908 - Tilt and turn

	Windows	Doors	
Sash rebate width (mm)	For maximum widths / heights, refer to gearing supplier technical literature and also page 2.6.26. Maximum weights and sizes are		
Sash rebate height (mm)			
	dependant on the glass weights and height / width ratios.		

HD EGRESS HINGE

Profile reference:XT6 923

SIDE HUNG	Maximum Width (mm)	Maximum Height (mm)	Maximum weight (kg)	Angle of opening
HD 12E	700	1200	30.0	84°
HD 16E	900	1300	40.0	88°

Hinge protectors:

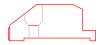
For Gold standard & security windows, fit hinge protectors, Hinge protectors to be located within 75mm of each friction stay. Also fit interlocking wedge, sash up to 1.0m no interlocking wedge required. Sashes 1.0m to 1.6m one interlocking wedge required in the centre

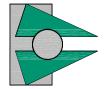


GUIDE BLOCKS:

Guide block to be fitted to each jamb on all top hung sashes and on bottom of all side hung sashes.

Guide block to be positioned 100mm approx. from edge of sash. Position of guide block should not interfere with operation of hinge.





Top Hung Locking:

Cockspur handles:

Sash widths from 1.0 to 1.6m, 2 handles required.

Espagnolette Locking:

Espag locks to be used on vents with widths greater than 1.6m and heights less than 1.4m

Side Hung Locking:

Cockspur handles:

Sash heights from 0.8 to 1.4m, 2 handles required.

Espagnolette Locking:

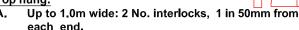
Espag locks to be used on vents with heights greater than 1.4m.

SECTION WEIGHTS:

Allow 1.85 kg/lm for XT6 200 (Includes HL561 bead)
Allow 1.96 kg/lm for XT6 202 (Includes HL561 bead)
Allow 1.98 kg/lm for XT6 302 (Includes HL561 bead x 1)
Allow 2.31 kg/lm for XT6 302 (Includes HL561 bead x 2)
Allow 1.92 kg/lm for XT6 923 (Includes HL561 bead)
Allow 2.34 kg/lm for XT6 908 (Includes HL561 bead)

INTERLOCKING WEDGE Ref LWBK / LWWK :

Top hung:



B. 1.0m to 1.6m wide: 3 No. interlocks, 1 in the centre and 1 in 50mm from each end.

Side hung:

 Up to 1.0m high: 2 No. interlocks, 1 in 50mm from each end.

B. 1.0m to 1.6m high: 3 No. interlocks, 1 in the centre and 1 in 50mmfrom each end.

BUTT HINGES:

Top hung sashes with butt hinges should not be hung from transom sections, should this occur contact AMS technical dept. for advice.

Top hung:

Maximum sizes width = 1.5m (XT6 923) , maximum height 1.4m.

Sashes from 1.0m to 1.5m to have 3 No. fittings minimum. When utilising cockspur handles, sashes over 1.4m high to have handles fitted to the jambs, contact AMS technical dept. for advice on handle location.

Side hung:

- Maximum sizes width = 0.7m, maximum height 1.65m.
- Sashes from 1.0m to 1.65m high to have 3 No. fittings minimum.

Minimum sizes of casement sash window

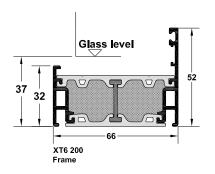
Note:

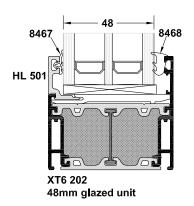
Minimum cut size of sash XT6 923, for fitting hinge / espags is 350mm

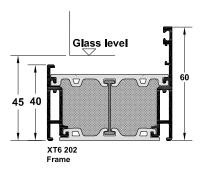
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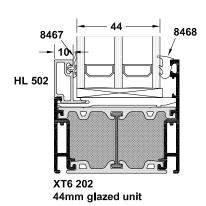
Glazing options - XT200 / XT6 200 / XT6 011 / XT6 322

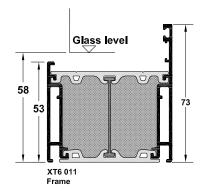


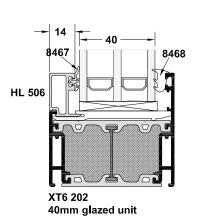


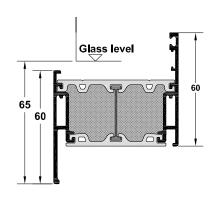


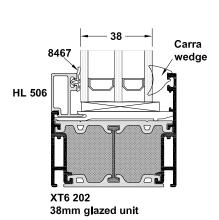






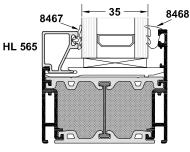




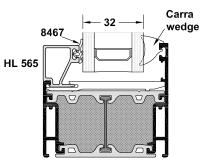




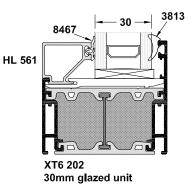
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XT6 202 35mm glazed unit

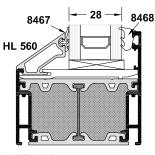


XT6 202 32mm glazed unit



8468 8467 HL 561

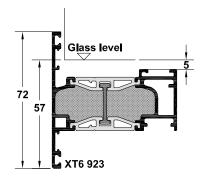
XT6 202 28mm glazed unit

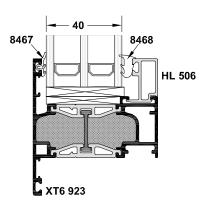


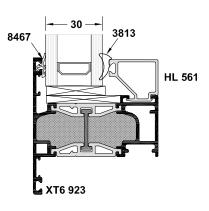
XT6 202 28mm glazed unit sloped bead

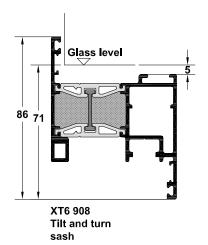
Glazing options - XT6 923

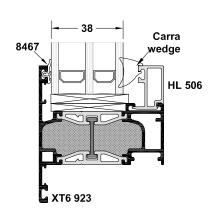
Scale 1:2

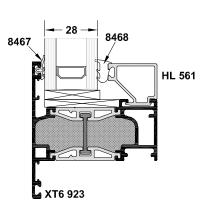


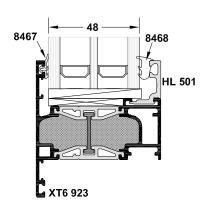


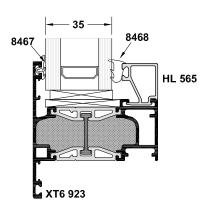


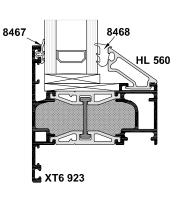


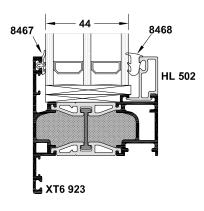


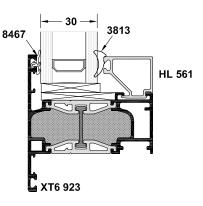


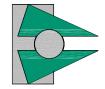






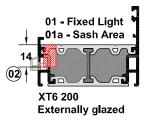


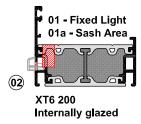


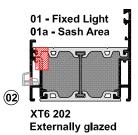


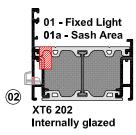
Page: 2.6.07

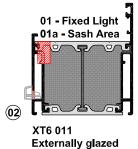
Drainage treatment Scale NTS

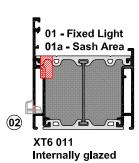


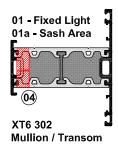


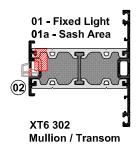


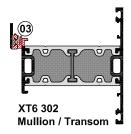


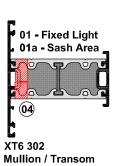


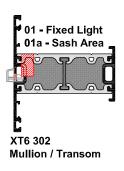




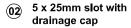


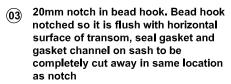




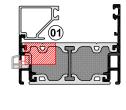


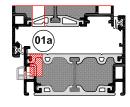
- 01 25 X 20x 14mm deep slot -Fixed lights (Can be used under sash area also)
- 01a) 25 X 8x 14mm deep slot -Sash area only (Not to be used in fixed light areas)





- ①4 At each end of the transom, notch an extra 6 x 8mm slot or drill 8mm hole to allow for extra room for drainage
- 8mm Ø drilled through at 400mm c/c approx.



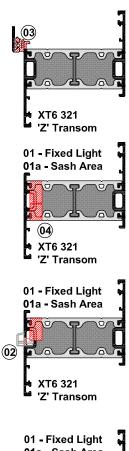


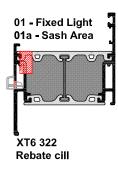


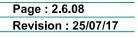
For use of alternative drainage arrangements please consult our technical department.

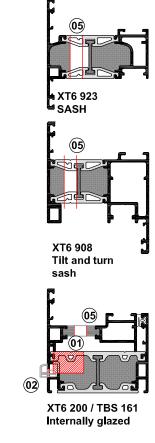
Note B:

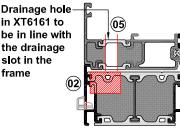
Slots and drainage holes to be staggered by 150mm minimum





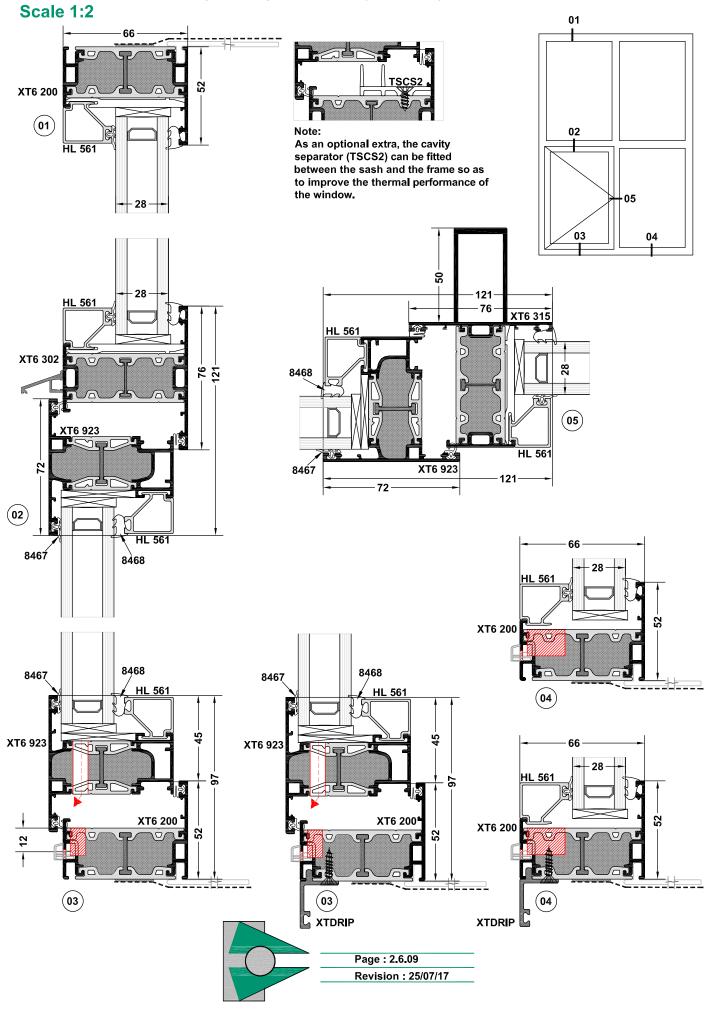




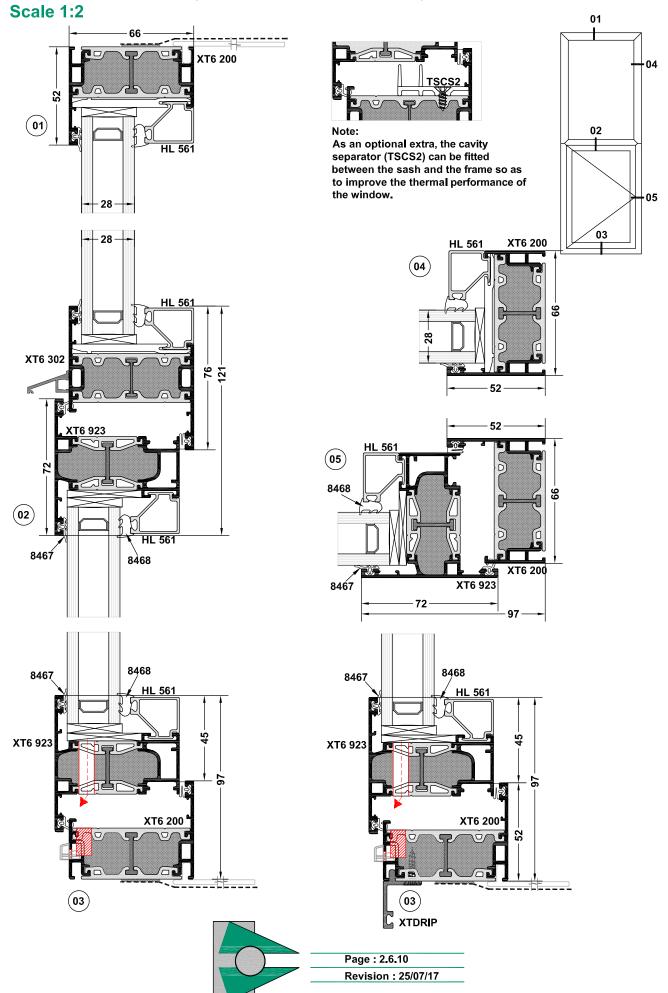


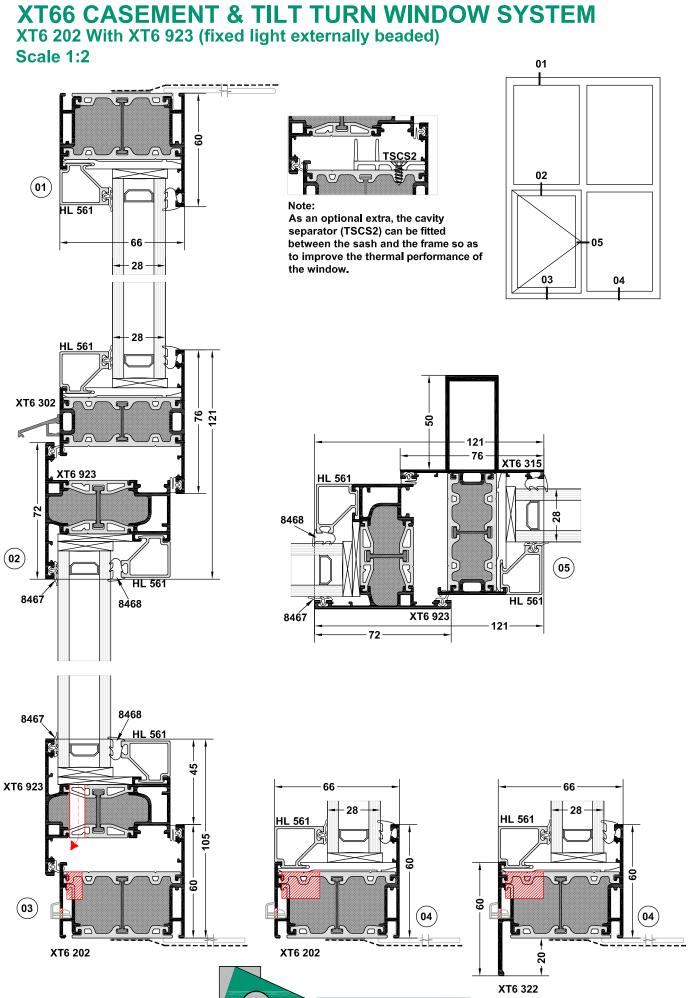
XT6 202 / XT6 161 Internally glazed

XT6 200 With XT6 923 (fixed light externally beaded)



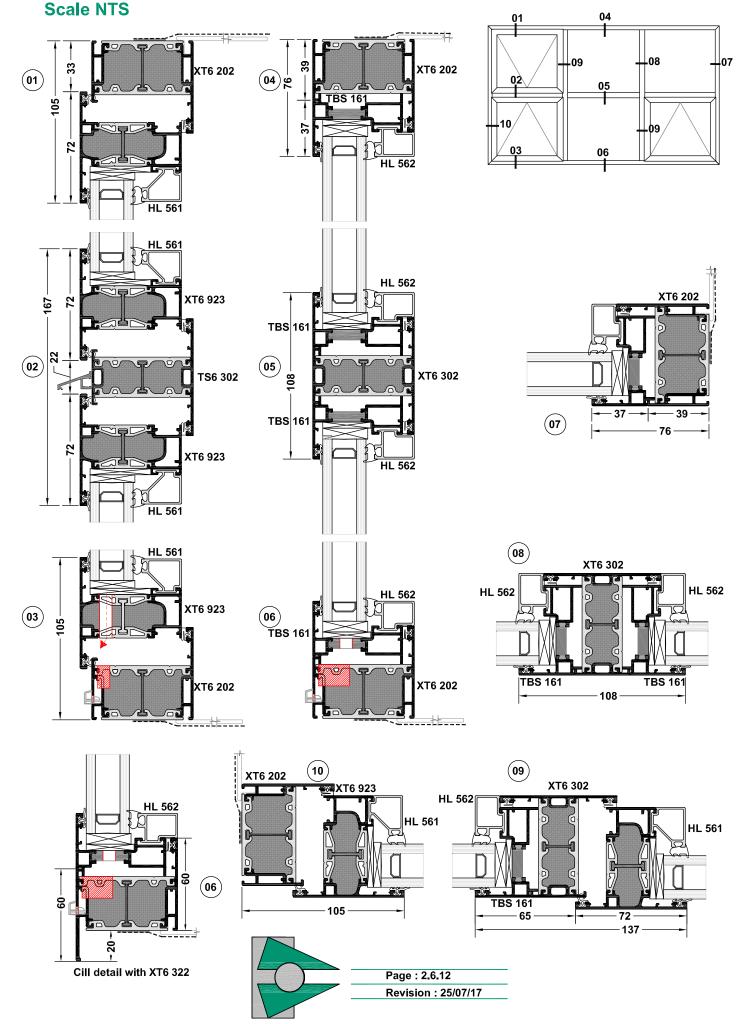
XT6 200 With XT6 923 (Reverse butt crimp window)



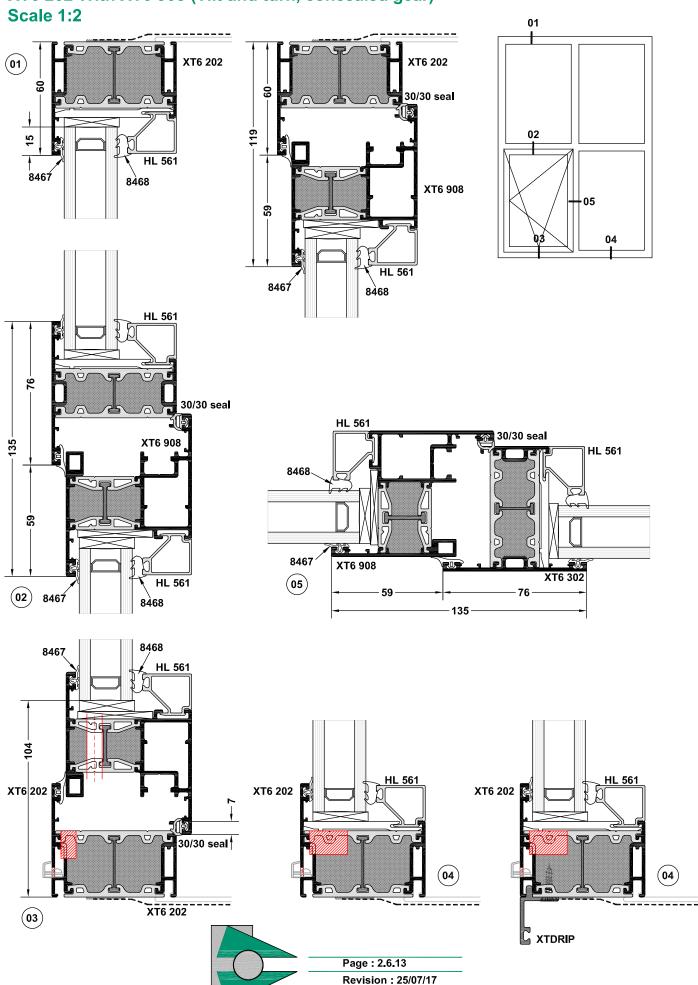


Page: 2.6.11

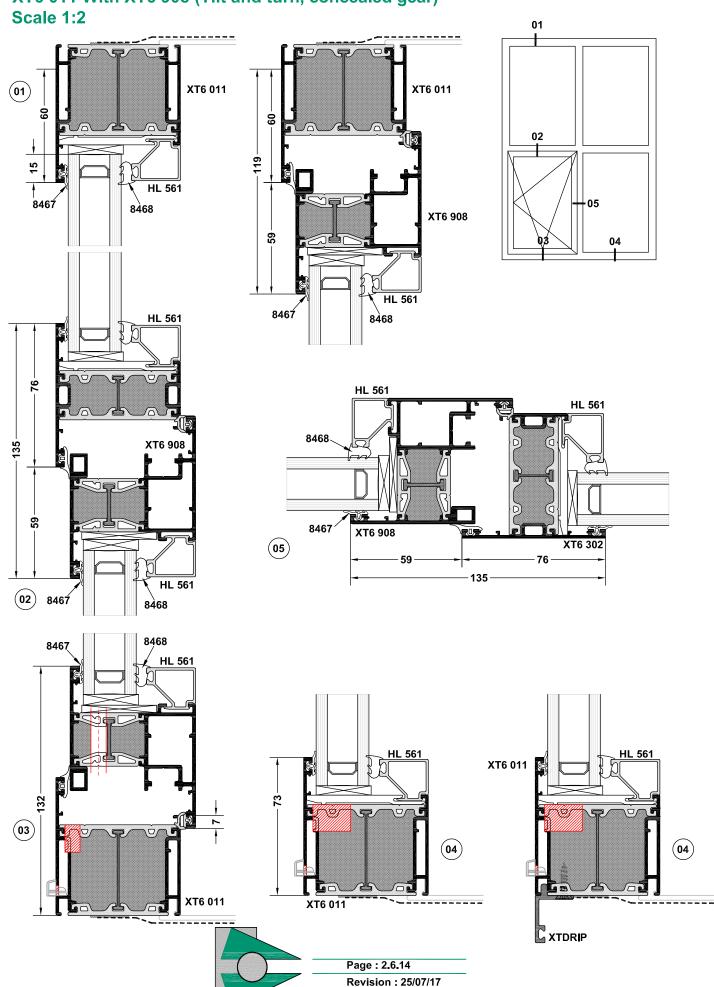
XT6 202 with XT6 923 (Internally beaded window using TBS 161)



XT6 202 With XT6 908 (Tilt and turn, concealed gear)

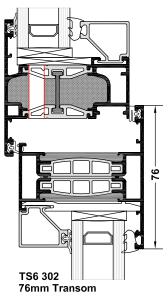


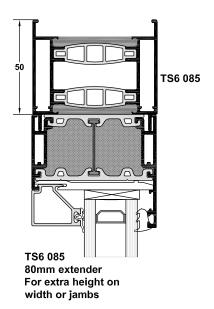
XT6 011 With XT6 908 (Tilt and turn, concealed gear)

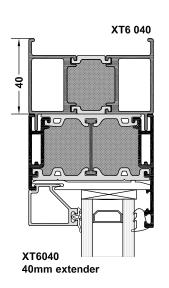


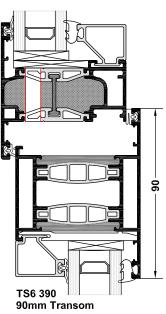
Transom options & Add on details

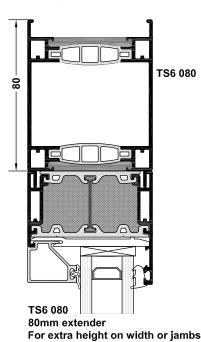
Scale 1:2

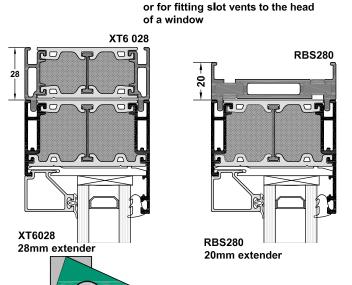




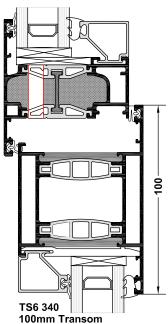


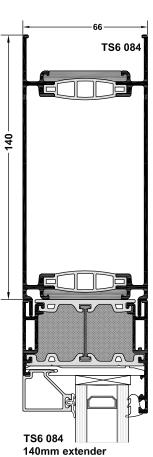






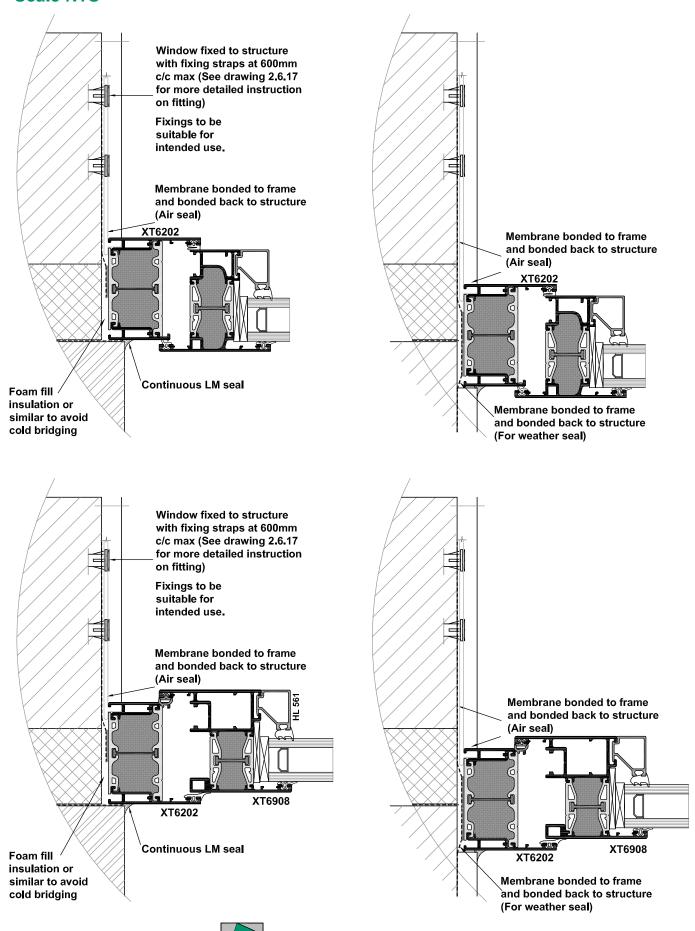
Page : 2.6.15 Revision: 25/07/17





For extra height on width or jambs or for fitting slot vents to the head of a window

Detail into brick / blockwork. Scale NTS

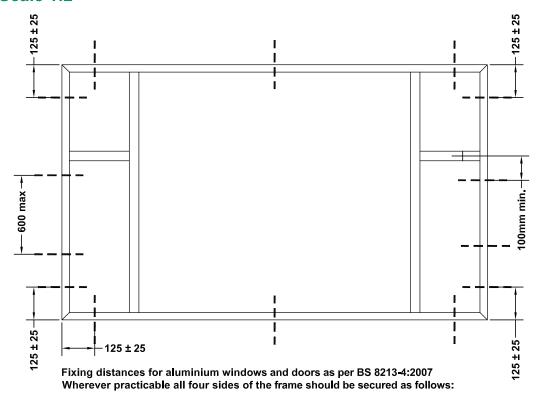


F

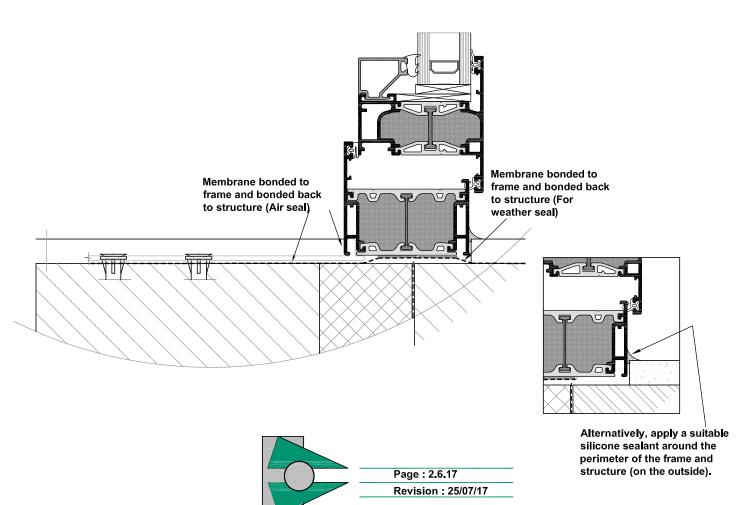
Page : 2.6.16 Revision : 25/07/17

Fixing point locations.

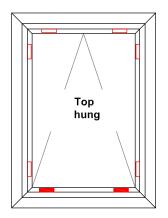
Scale 1:2

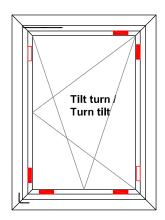


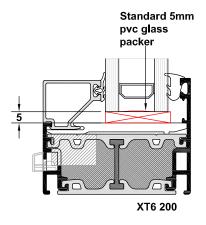
- 1. Corner jamb fixings should be between 100mm and 150mm from the external corner
- 2. No fixings should be less than 100mm from the centre line of a mullion or transom
- 3. Intermediate fixings should be at centres no greater than 600mm
- 4. There should be a minimum of two fixings on each jamb.
- 5. On windows over 1800mm wide, central head and sub sill fixings should be provided.

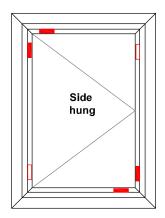


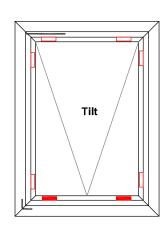
Glass spacing Scale NTS



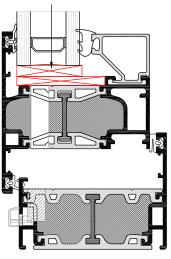


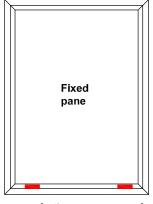






Standard 5mm & 4mm pvc glass packer

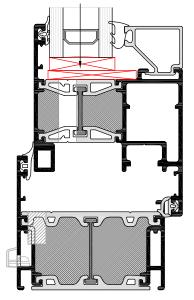


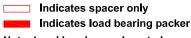


Notes:

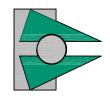
- Ensure glass packers do not cover drainage slots and holes.
- Silicone should not be used when fitting glass packers as excessive amounts may hinder drainage.
- Packers to be of suitable material and fit for purpose.
- 4. Refer to BS 8213-4:2007, BS 6262 & BS 8000-7 for further recommendations.
- In addition to the above any glass or insulating glass unit manufacturer's instructions should be followed.

Standard 5mm & 4mm pvc glass packer



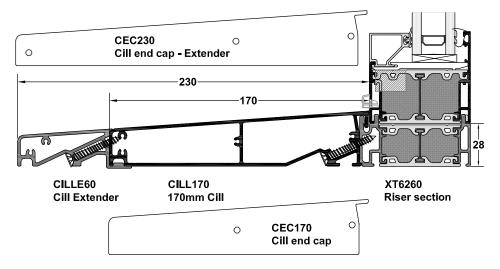


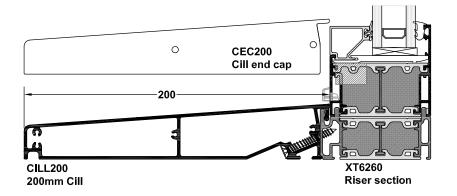
Note: Load bearing packers to be located close to gearing points, typically 160mm from edge.

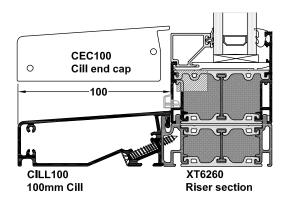


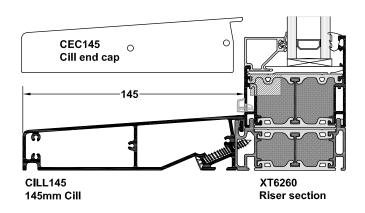
Page : 2.6.18

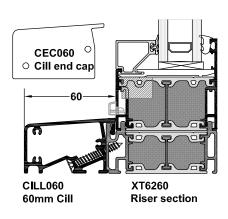
Cill Options without drip Scale NTS

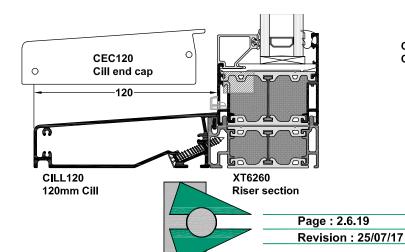


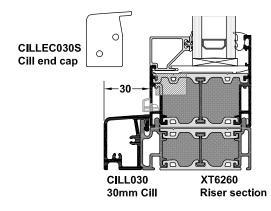




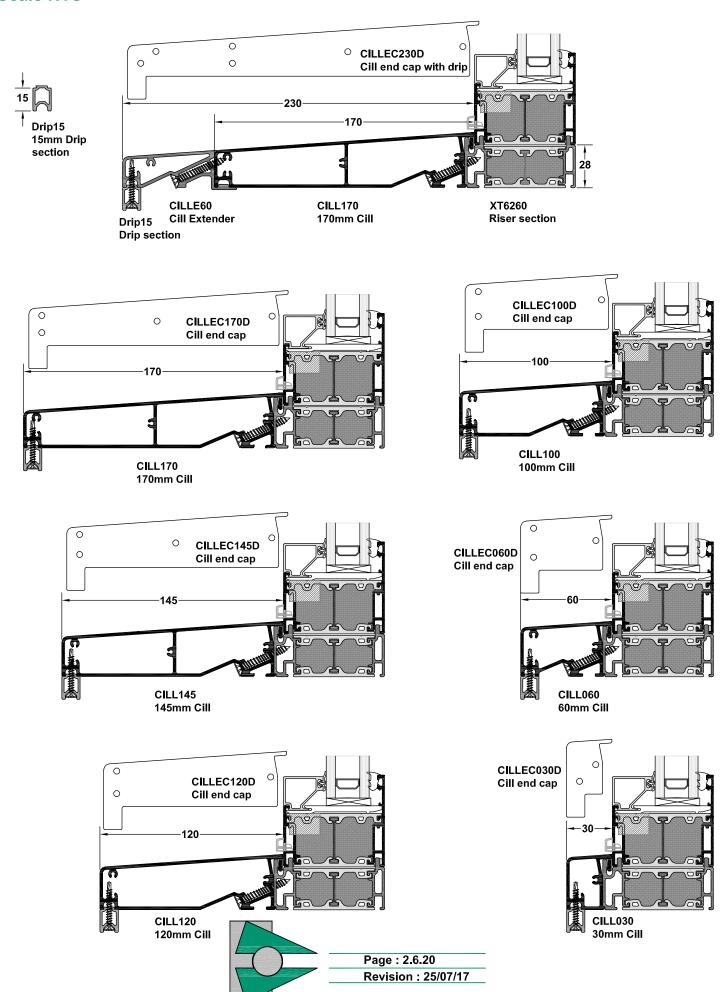






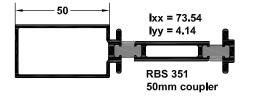


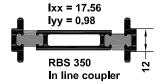
Cill Options with drip Scale NTS

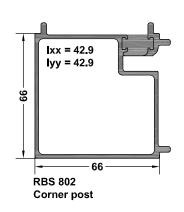


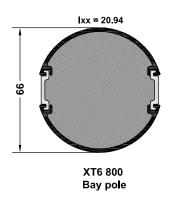
Coupler and corner post options

Scale 1:2

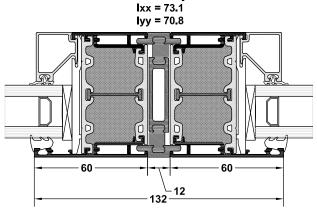




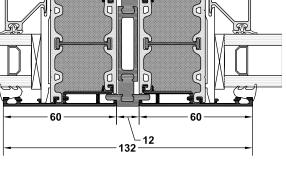


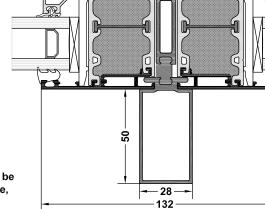






Assembly



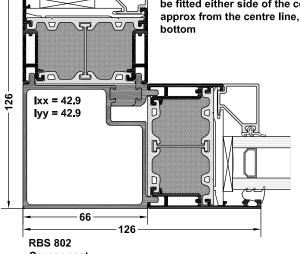


Assembly

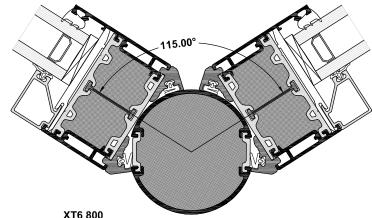
1xx = 139.9lyy = 74.0

For structural stability the coupler should be fixed top and bottom, back to the structure, with a suitable fixing bracket.

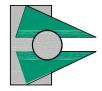
Should the interface not allow the use of a dedicated fixing bracket, a fixing strap should be fitted either side of the coupler, at 100mm approx from the centre line, both top and



Corner post



Bay pole detail, suitable for angles between 115 to 180°



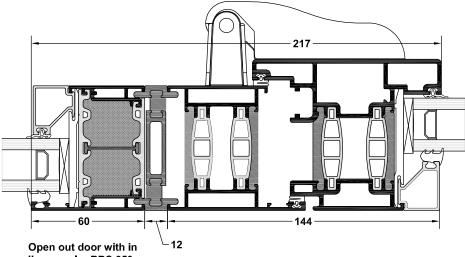
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XT66 coupled to TS66 door





RBS 350 In line coupler Ixx = 17.56lyy = 0.98



line coupler RBS 350

50mm coupler RBS 351



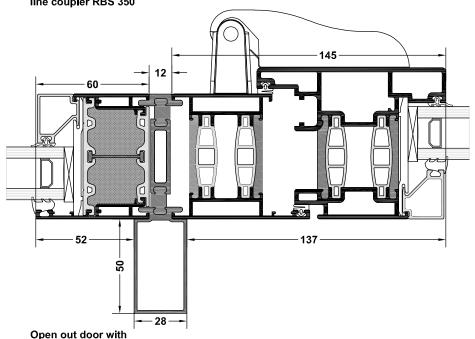
lyy = 4.14

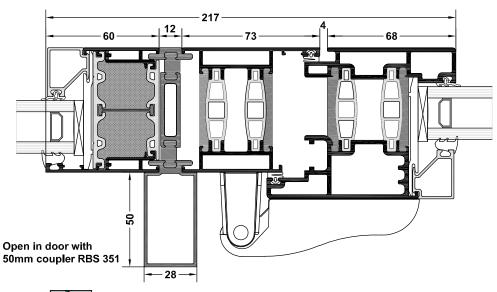
RBS 351 50mm coupler



For structural stability the coupler should be fixed top and bottom, back to the structure, with a suitable fixing bracket.

Should the interface not allow the use of a dedicated fixing bracket, a fixing strap should be fitted either side of the coupler, at 100mm approx from the centre line, both top and bottom

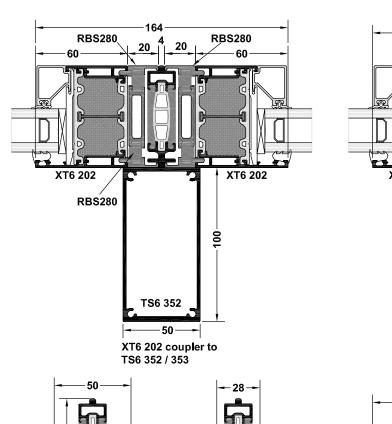


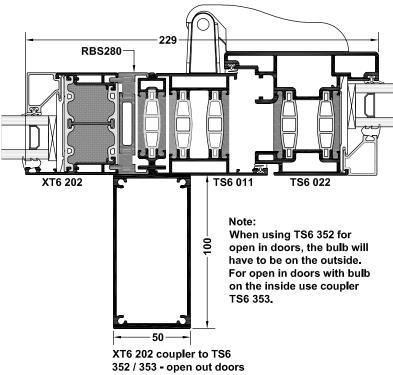


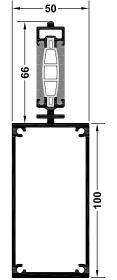


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Coupler details Scale 1:2.5



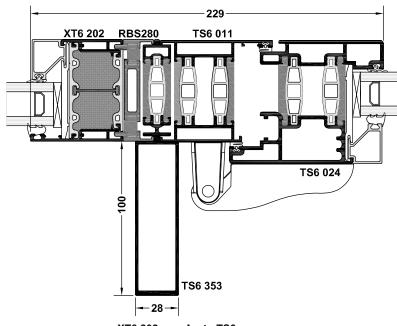




TS6 352 100mm COUPLER Ixx = 248.9 cm4 Iyy = 30.89 cm4



TS6 353 100mm slim COUPLER lxx = 185.65 cm4 lyy = 7.38 cm4



XT6 202 coupler to TS6 353 - open in doors

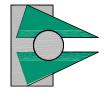


RBS280 20mm add on & Adapter for coupling XT frames to TS Bulb couplers

Note:

For structural stability the coupler should be fixed top and bottom, back to the structure, with a suitable fixing bracket.

Should the interface not allow the use of a dedicated fixing bracket, a fixing strap should be fitted either side of the coupler, at 100mm approx from the centre line, both top and bottom

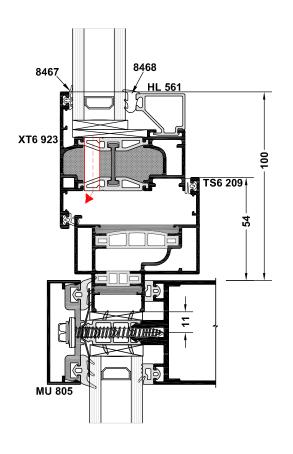


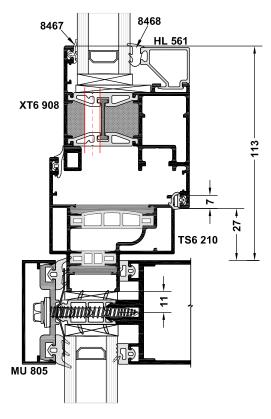
Page : 2.6.23

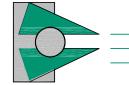
XT6 202 With XT6 913 - 48.8mm glazing (fixed light internally beaded) 01 Scale 1:2 8 8 02 (01) Note: XT6 161 As an optional extra, the cavity separator (TSCS2) can be fitted HL 586 between the sash and the frame so as 05 to improve the thermal performance of 8467 the window. 8468 04 49 --- 28 -8468 XT6 315 8467 XT6 161 HL 586 09 20 HL 586 8468 HL 588 XT6 302 94 92 141 49 XT6 913 XT6 161 8467 XT6 913 (05)(02)HL 588 72 141 8467 8468 8468 8467 HL 588 8468 8468 8467 8467 XT6 913 XT6 161 XT6 161 ∏ HL 586 HL 586 5 8 100 9 9 03 (04) 04 XT6 202 XT6 202 20 XT6 322 Page: 2.6.24

Curtain wall insert details

Scale 1:2





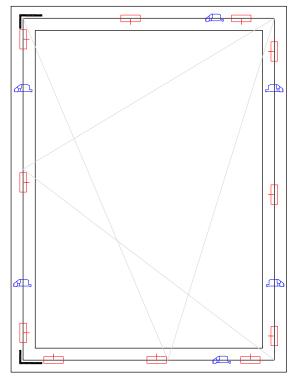


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Sash Limitations

Note:

Information on max sizes is based on Siegenia concealed tilt and turn gear, reference axxent 24+



Setout of locking points and guide blocks

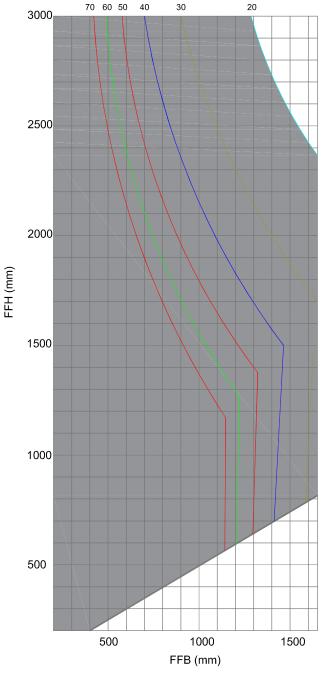
GUIDE BLOCKS:

Guide blocks to be fitted as shown above, 2 on the lock stile, 2 on the hinge stile and one each on the top and bottom approximately 200 from the corner.

Locking point to be positioned on each side of the corner and as close to the gearing as possible.







Glass weight (kg/m²)

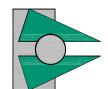
FFH = Sash rebate height FFB = Sash rebate width Shaded area is permissible range

The following values must be adhered to for all applications:

- Max width to height ratio Q w/h < 2.0 (Sash rebate width must not exceed 2.0 times the sash rebate height)
- b. Profile weight PW ≤ 3.25 kg/lm.
- c. Max sash weight of 100kg's.
- d. Minimum sash with wiht axxent24 gear is 420mm.

SECTION WEIGHTS:

Allow 2.34 kg/lm for XT6 908 & HL561 bead.



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