11.01

TIMBER

PRESTIGE

HARDWOOD WINDOWS

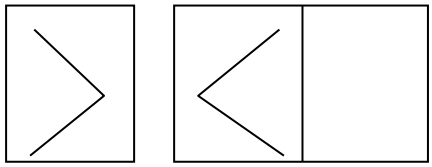
AVAILABLE COLOURS:

- Grey 7015
- Cement grey 7033
- Mouse Grey 7005
- Silver 7001
- White 9016
- Ivory 1015
- Pale Green 6021
- Green 6005
- Blue 5005
- Red 3003
- Black 9005
- Navy 5011
- Beige 1001
- Yellow 1021
- Factory Finish

CASEMENT WINDOWS

Double & Triple Glazed windows

Maximum split for side hung sash 900 mm wide
Maximum split for top hung sash 1050 mm wide
Maximum height of any sash 1500 mm



Any sash that falls within 800 mm off finished floor would Require a guard rail to prevent falling from heights.

Minimum size of manufacturable non opening window 350 mm x 450 mm incl. cill

Minimum size of manufacturable opening window 435 mm x 480 mm incl. cill

Standard split for top hung sash 405mm high

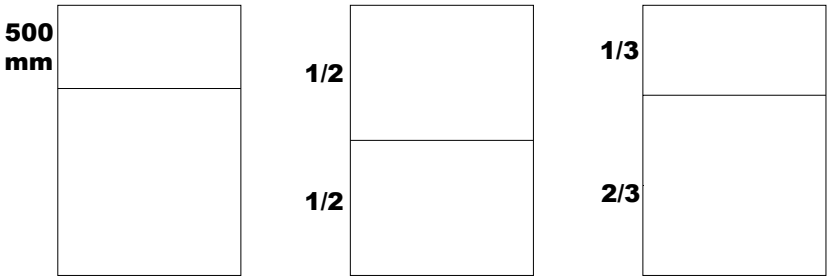
Standard split for side hung sash 613mm

Sash within sash is not available.

NOTE

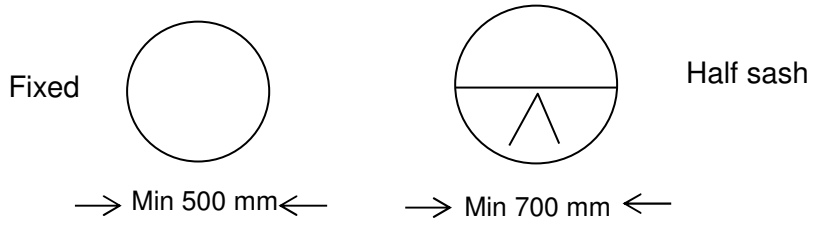
Low level handles on side hung sashes are 300mm from bottom of cill to handle.

(Note; Split is measured from outside edge of frame to centre of transom or mullion)
Any off standard split must be indicated on the sketch of the individual item on the contract.
All height splits must be specified from the top of the window.
In the case of Fire Escape Windows, F.E.W. Splits must not be mixed with other special splits, e.g.



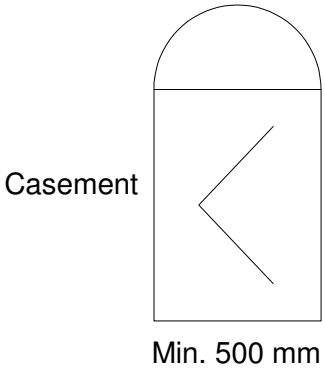
OFF STANDARD TIMBER PRESTIGE HARDWOOD WINDOWS

Minimum manufacturable bulls eye window with no opening	500 mm diameter
Maximum manufacturable bulls eye window with no opening	1100 mm diameter
Minimum manufacturable bulls eye with a half sash	700 mm diameter
Maximum manufacturable bulls eye with a half sash	825 mm diameter

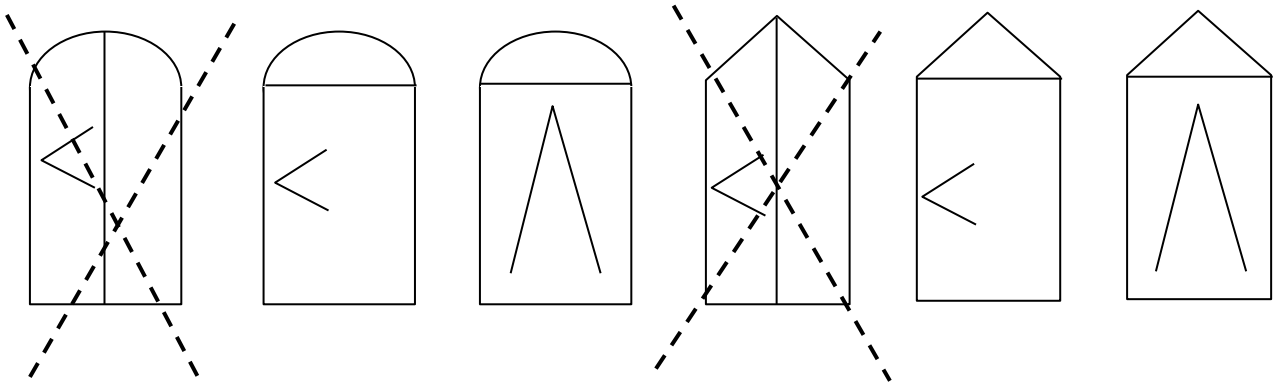


ARCHED AND ANGLED WINDOWS

Minimum manufacturable arch window 500 mm



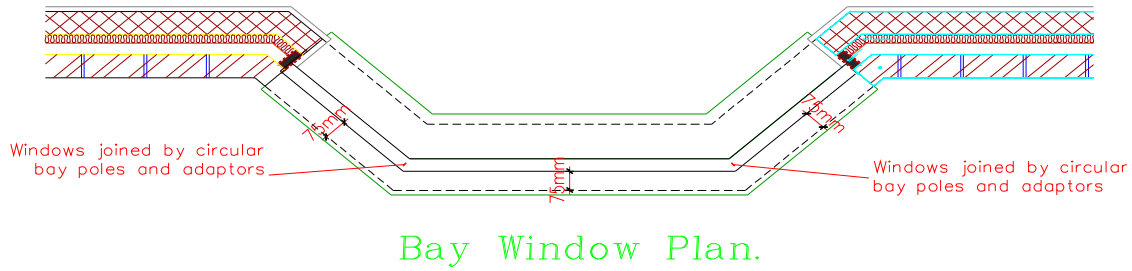
Arch and angle sashes are difficult to manufacture and should be avoided if at all possible. The Technical Office must approve all windows with arch or angle ````



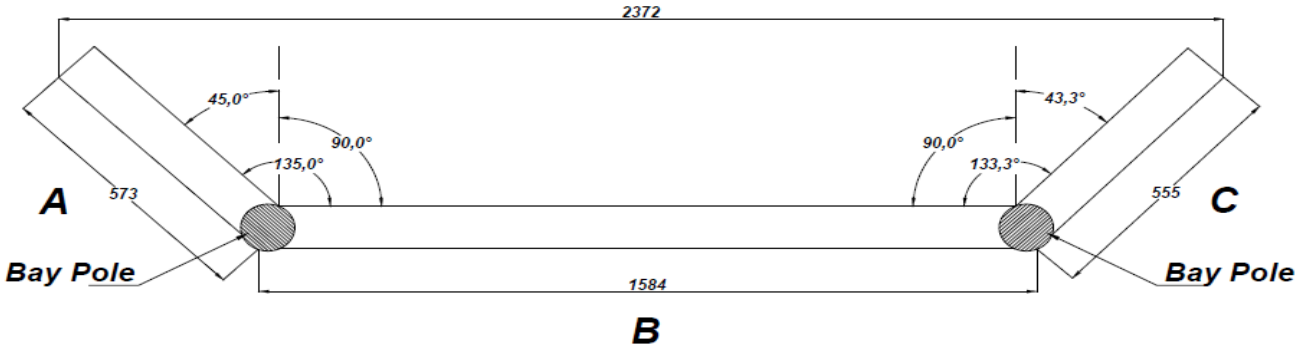
BAY- AND BOW WINDOWS

Minimum width of bay wing – fixed 440 mm
Minimum width of bay wing – opening 525 mm
Bay/Bow sheets for all bays and bows must be filled completely.

The overall width of splayed bays must be supplied – this is a vital check measurement.



Bay Window Plan.



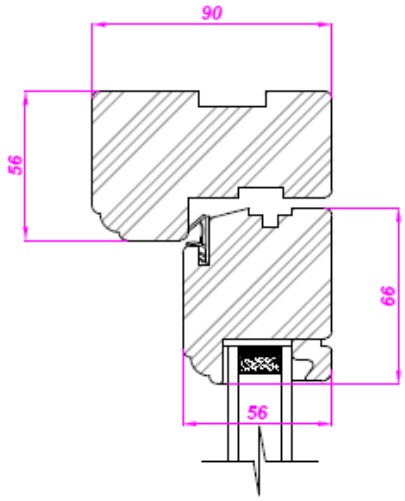
A: 135 – 90 = Sin 45 x 573 = 405

B: Front Section = 1584

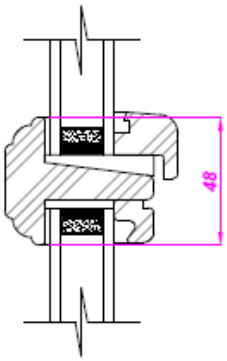
C: 133.3 - 90 = Sin 43.3 x 555 = 381

2370

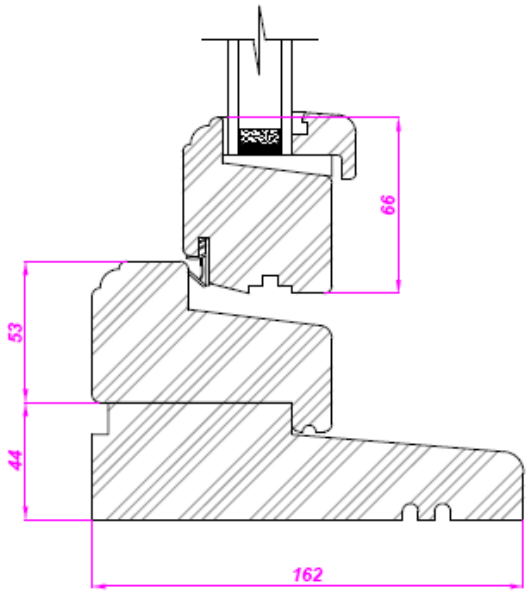
This dimension must be within 10mm of o/a width



SECTION THROUGH HEAD OF A
TIMBER PRESTIGE HARDWOOD CASEMENT WINDOW

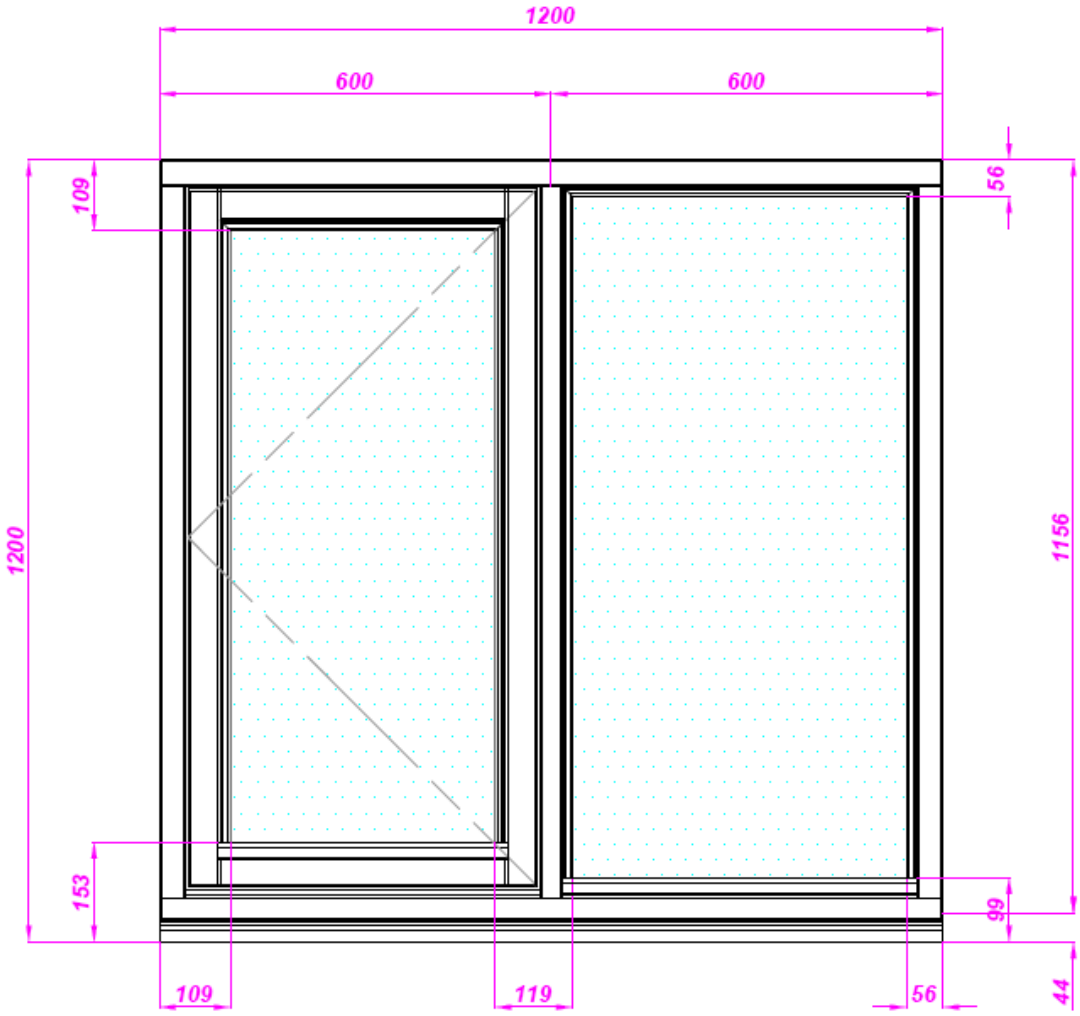


SECTION THROUGH MULLION OF A
TIMBER PRESTIGE HARDWOOD CASEMENT WINDOW



SECTION THROUGH BOTTOM OF A
TIMBER PRESTIGE HARDWOOD CASEMENT WINDOW

MUNSTER JOINERY UK LTD. - TECHNICAL INFORMATION SHEETS		
Title: Timber Prestige Hardwood Windows		
Sheet No.: 11.01	**Rev: C**	**Date issued: 01/12/2019**



FRONT ELEVATION FROM OUTSIDE
OF TIMBER PRESTIGE HARDWOOD CASEMENT WINDOW
(SINGLE SASH)

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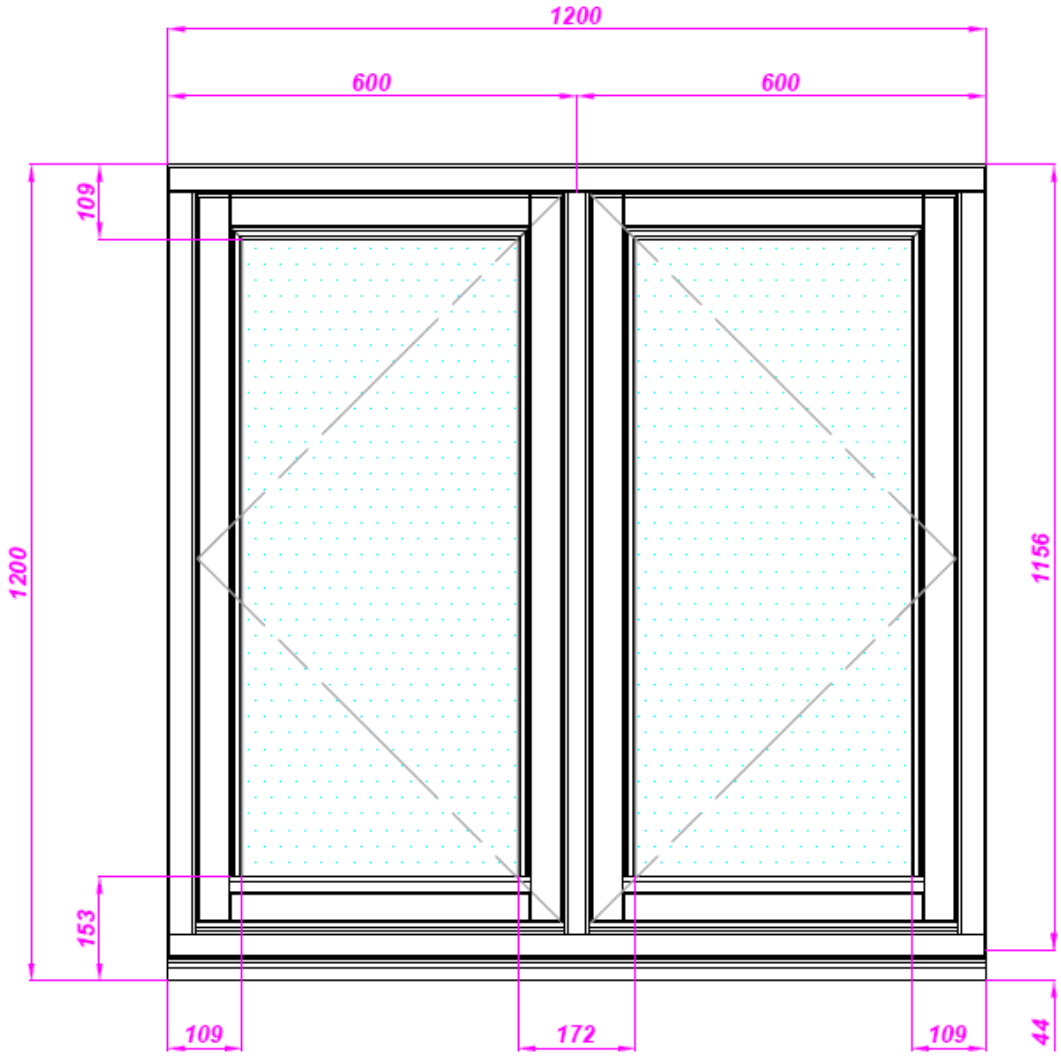

FRONT ELEVATION FROM OUTSIDE
OF TIMBER PRESTIGE HARDWOOD CASEMENT WINDOW
(DOUBLE SASH)

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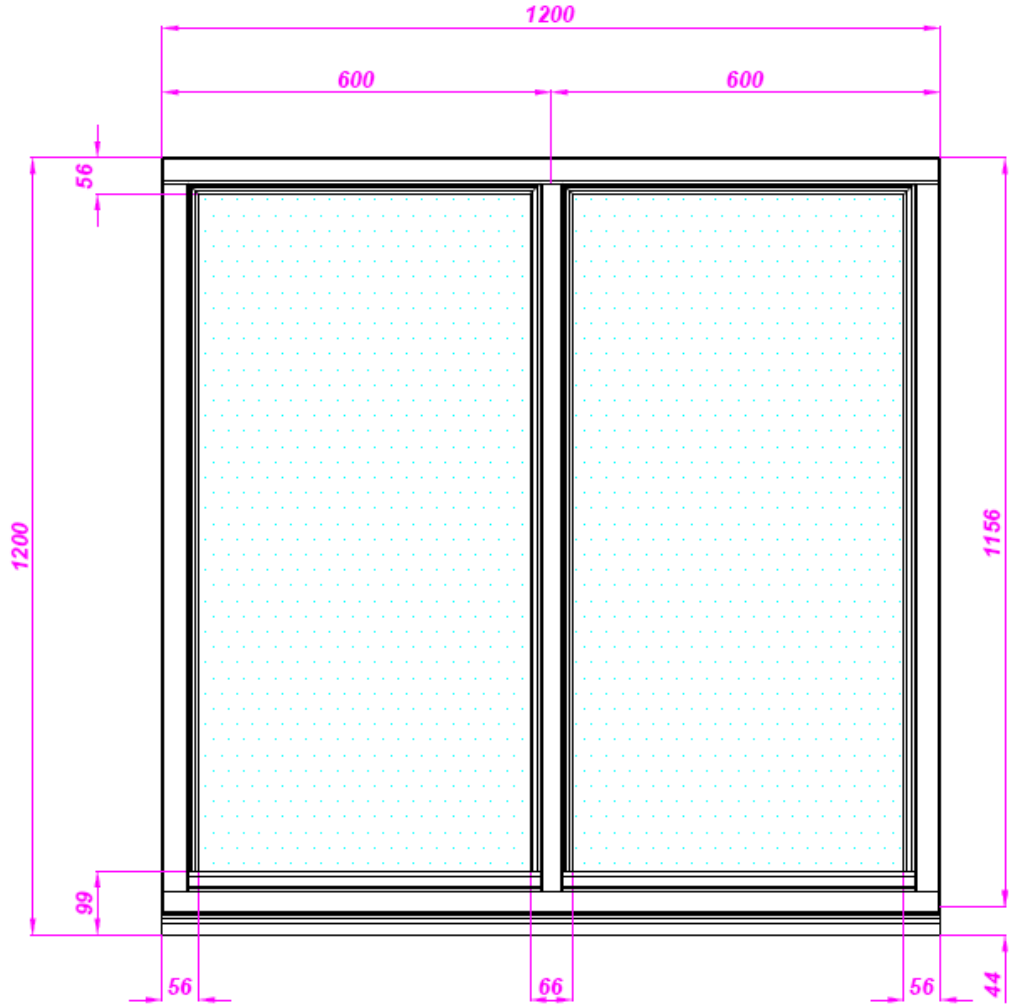
Sheet No.: 11.01	**Rev: C**	**Date issued: 01/12/2019**



FRONT ELEVATION FROM OUTSIDE
OF TIMBER PRESTIGE HARDWOOD FIXED WINDOW
(FIXED - FIXED)

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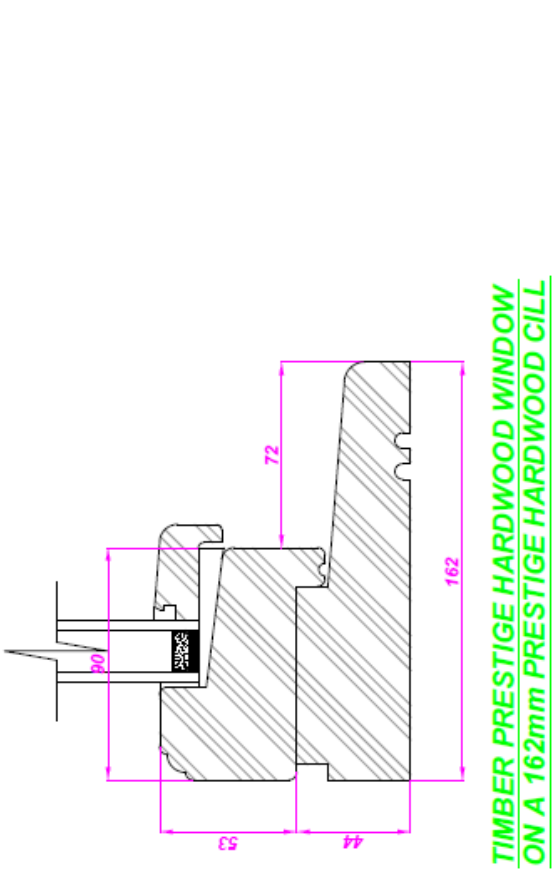
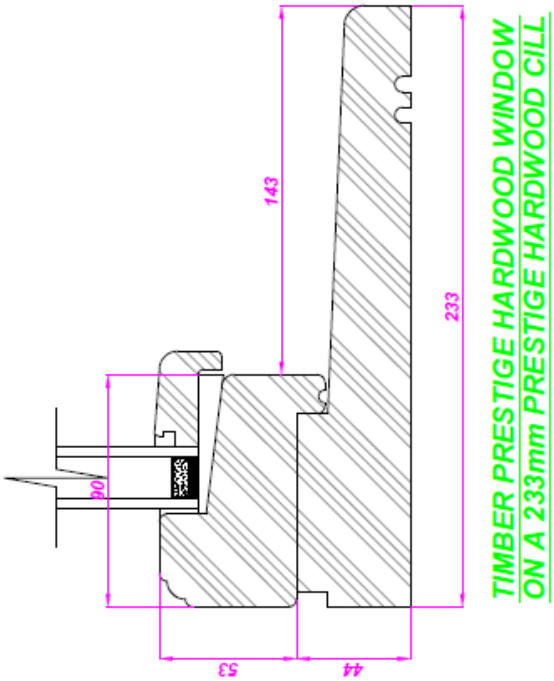
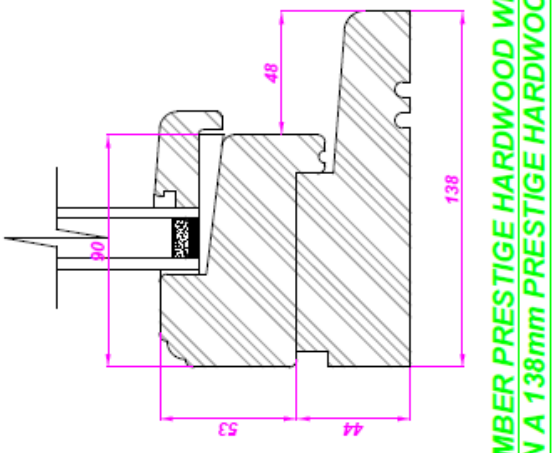


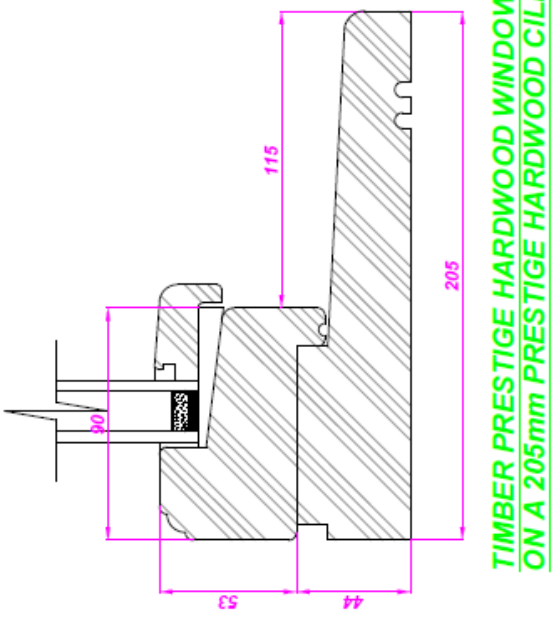
TIMBER PRESTIGE HARDWOOD WINDOW
ON A 162mm PRESTIGE HARDWOOD CILL



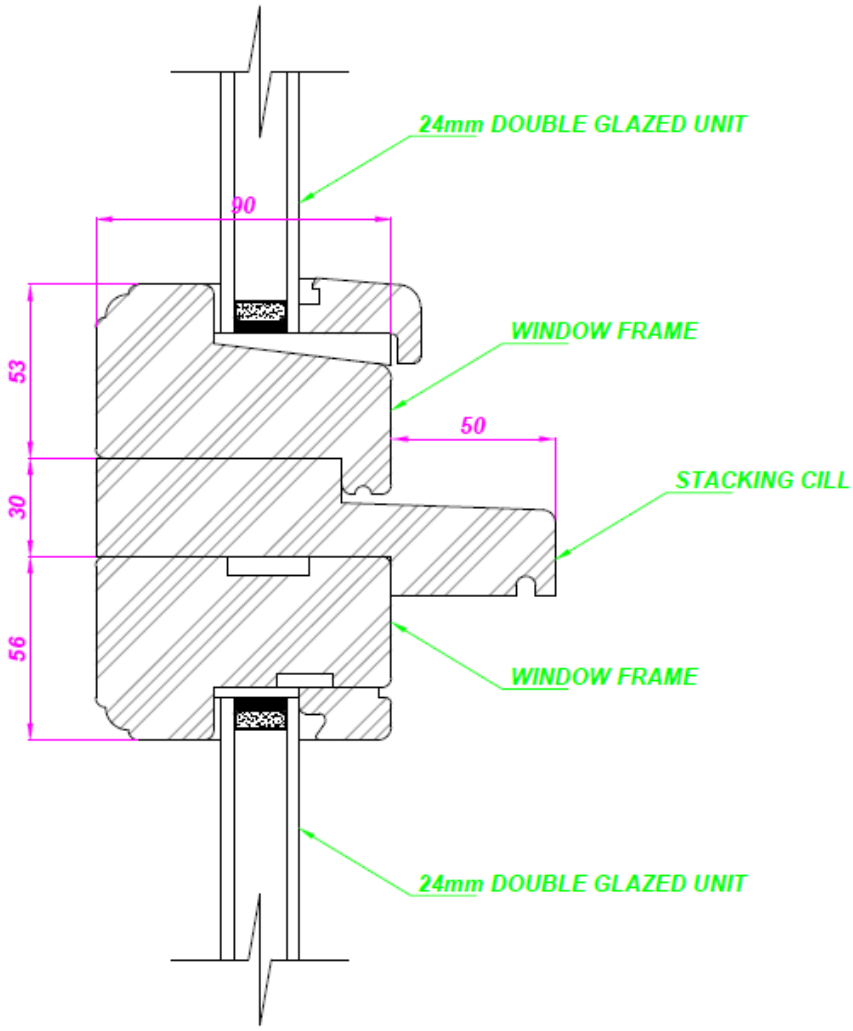
TIMBER PRESTIGE HARDWOOD WINDOW
ON A 233mm PRESTIGE HARDWOOD CILL



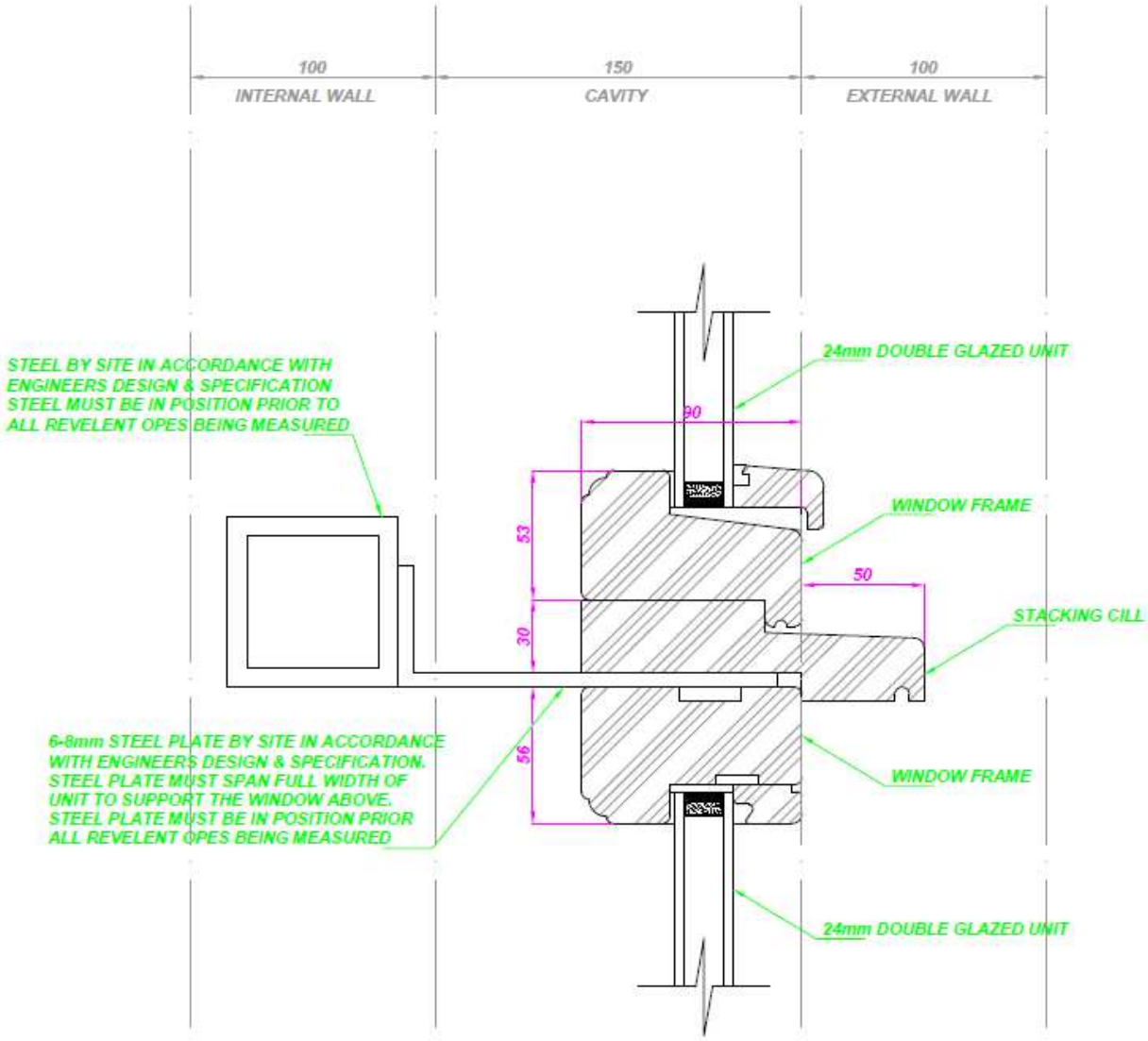
TIMBER PRESTIGE HARDWOOD WINDOW
ON A 138mm PRESTIGE HARDWOOD CILL



TIMBER PRESTIGE HARDWOOD WINDOW
ON A 205mm PRESTIGE HARDWOOD CILL



TIMBER PRESTIGE HARDWOOD STACKING CILL DETAIL



TIMBER PRESTIGE HARDWOOD STACKING CILL & STEEL BRACKET DETAIL

MUNSTER JOINERY UK LTD. - TECHNICAL INFORMATION SHEETS		
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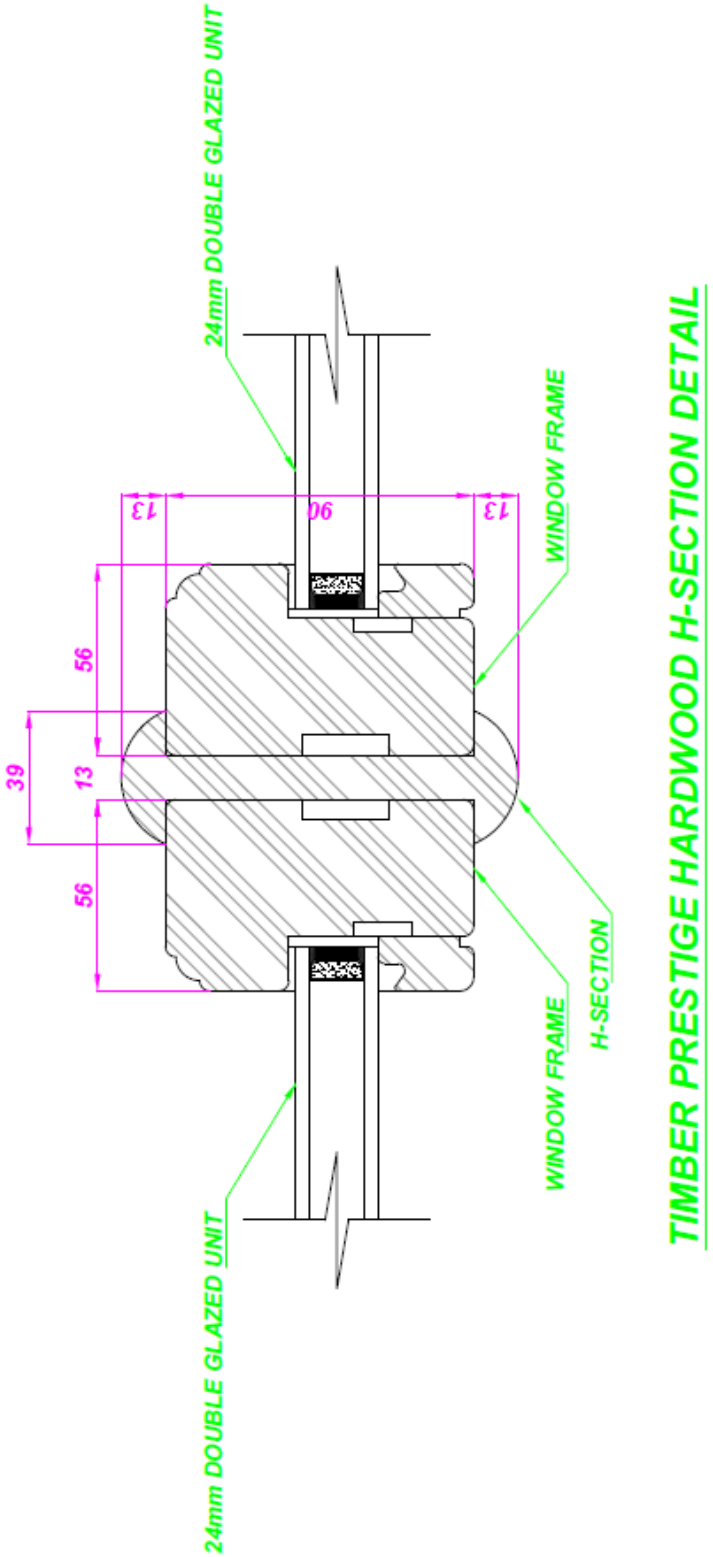

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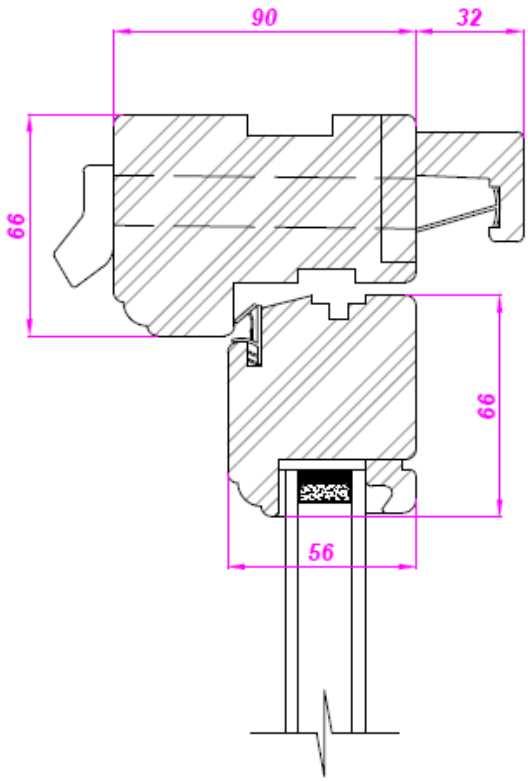
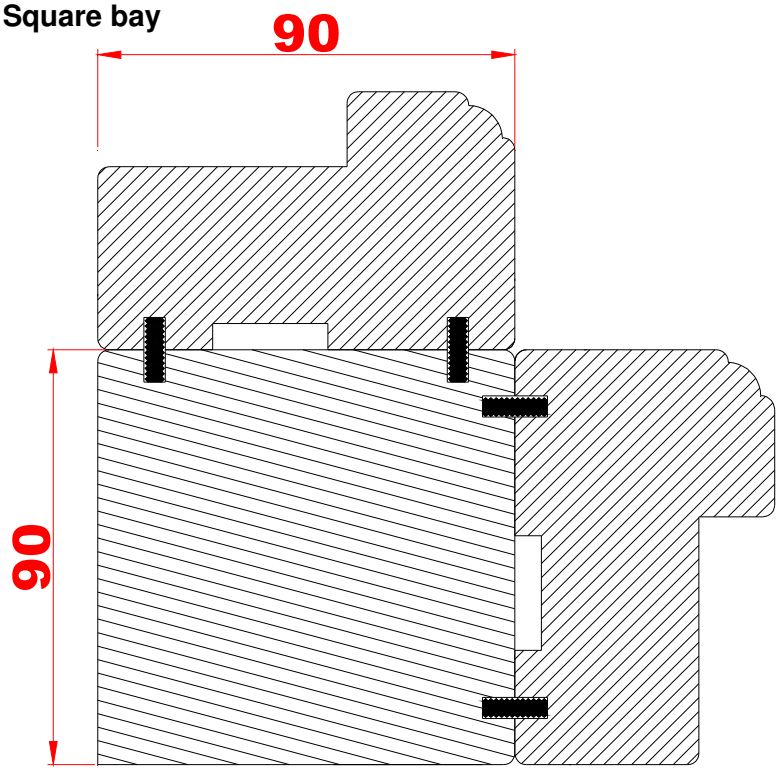
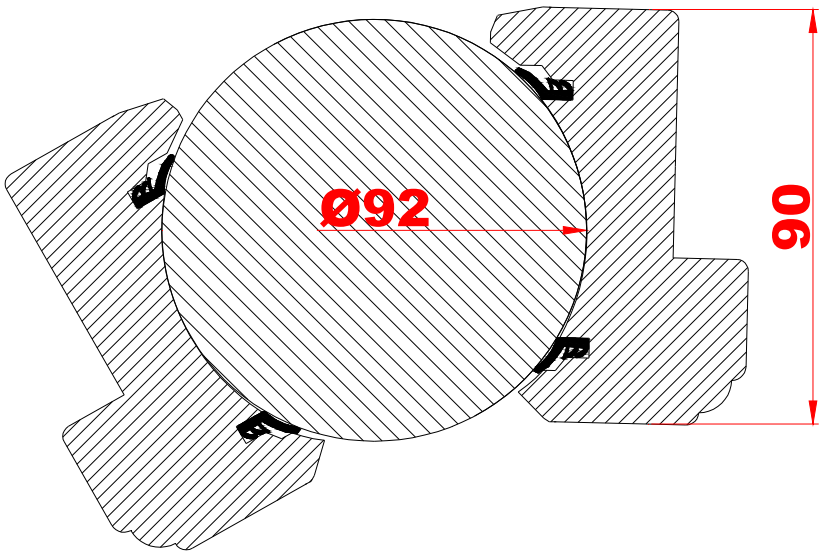


SECTION THROUGH HEAD OF A TIMBER PRESTIGE HARDWOOD CASEMENT WINDOW WITH A CONCEALED HEAD VENT

Square bay



Splayed bay



THE MUNSTER JOINERY TIMBER PRESTIGE HARDWOOD WINDOW

In respond to market demand for superior quality hardwood joinery with aesthetic appeal, excellent finish and high performance characteristics, Munster Joinery has designed the Prestige range of hardwood windows and doors. We have put a lot of company resources into researching and developing this product to ensure that it combines all of the best design features available with excellent weather performance, long life and aesthetic appeal.

RAW MATERIAL

Timber

The window is manufactured from hardwood which is kiln dried in our computer-controlled kiln drying facility to meet the requirements of IS96: 1976 in regard to external joinery.
We resource timber from suppliers who can show compliance to laws concerning Forest Management and Development, Environmental and Wildlife Protection and Indigenous Peoples Rights. We endeavour to source only from sustainable forests where the rate of replacements exceeds consumption.

THE DOUBLE / TRIPLE GLAZED UNIT

Longer life unit:

- Dual seal – Polyisobutylene primary seal and polyurethane main seal
- Thermoplastic spacer bar
- Spacer bar filled all round with high grade molecular sieves

Excellent insulation properties:

- Argon filled for improved insulation
- Low emissivity glass

Safety:

- Toughened safety glass in all doors and low level glazing

Quality:

- Kite Mark License no. KM 52169 to EN1279 for insulating units
- Kite Mark License no. KM 52172 to BS EN 12150 for safety glass
- Manufactured under an EN ISO9002 approved Quality system

GLAZING

The window is factory glazed using a drained and vented bead system to maximise unit life. The double or triple glazed unit is fixed using a security glazing tape and externally beaded.
Testing has shown that the adhesion provided by the tape is adequate to resist intrusion in line with the requirements of BS7950 (BSI PC PAS 011:1994 Improved security performance of domestic windows. Method of Test and Assessment).
This glazing system has been approved by the BBA. Ref. BBA Agrement Certificate No. 95/3199**.**

NOTE

Vented bead is available in aluminium or timber

THERMAL PERFORMANCE

The window can be supplied with different glazing configurations options to give the required thermal performance in terms of U-value. Glazing options include:

24 mm double glazed + Argon filled + soft coat low E + warm edge spacer

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U window = 1.5 W/m ^{2}K

36 mm triple glazed + Argon filled + soft coat low E + warm edge spacer

U window = 1.2 W/m^{2}K.

FINISH

The Prestige range of joinery arrives on site fully glazed and fully coated. The factory finish is applied in controlled conditions where consistently high quality coating can be achieved. Three coats of a translucent water borne paint are used giving:

- Film thickness in excess of 100 microns
- Excellent adhesion
- High weather resistance
- Increased durability
- High translucency to maximise the aesthetic characteristics of the wood
- Reduced maintenance costs

CONSTRUCTION

The cill piece of the window is sloped and has coated aluminium or timber vented beading fitted to provide weather protection. Mortise and tenon joints sealed with cascamite glue are used throughout.
All sashes carry a weather proofing seal. The width and depth of the grooves on the profile ensures strong and positive location of fittings.

HARDWARE

The friction hinge used is of extremely sturdy construction giving endurance and extended life. Its innovative profile design gives excellent ventilation within the cavity to prevent rot. The smooth performance and accessibility of the fittings make the window easy to operate and maintain.

Windows incorporating the hinge have been tested by the British Standards Institute for strength and operating characteristics and found to comply with the requirements of BS6375 Part 2. The hinge passes corrosion testing carried out by the NDVK – the Norwegian Door and Window Control Institute.

Opening windows are fastened by means of locking handles manufactured from Zinc alloy with a black, white, brass, chrome, or brushed chrome finish. The handles operate concealed espagnolette bolts to centrally lock the window.

A restrictor is available to limit the opening of the window.

BUILDING REGULATIONS

a) Means of Escape in Case of Fire
Where a window is required to provide a means of escape in case of fire an egress hinge is used which allows the window to meet the requirements for an opening light providing a clear opening not less than 0.33m^2 and a minimum dimension not less than 450mm.

b) Means of Ventilation
The window can be readily designed to meet the rapid ventilation requirement of Building Regulations. Window ventilators are available for use with the window that can achieve the background ventilation requirement of the regulation given appropriate window design. Cross ventilation requires wall vents.

c) Conservation of Fuel and Energy
The Prestige hardwood window glazed with Argon filled double glazed or triple glazed unit with low-E glass readily complies with the requirements of Part L of the Building Regulations.

d) Part K in respect of guarding to openable windows with low window board heights

- Window board up to 300mm from finished floor opening section must be min of 800mm above window board
  Window board 300mm to 600mm opening section must be min 700mm above window board.

INSTALLATION

The window is installed by trained Munster Joinery personnel. Fitting is by means of galvanised steel fitting straps fixed to the frame and attached to the masonry by means of proprietary fixings.

QUALITY

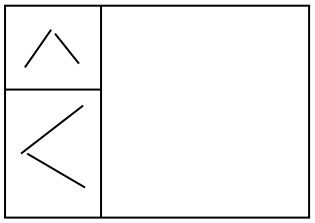
The window has been tested to BS6375 Parts 1 and 2 and achieve a 600 Pa weather tightness rating ref. Chiltern Dynamics Test Certificate no. Chilt/P02059.
The window is manufactured under an EN/IS/ISO9002 approved Quality System ref. NSAI Certificate no. M850.

Fire Escape Windows

Fire Escape Windows must **each** be identified by the letters **F.E.W.** on the contract. The bottom of the sash has to be between 800 – 1100 mm off finished floor and cannot have a locking handle.

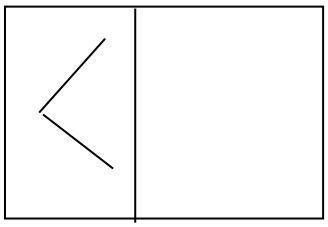
These are minimum window sizes to give 0.33m2 clear opening. Always check height from finished floor.

In the Casement range



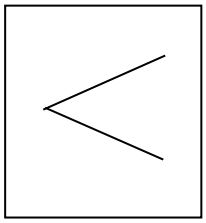
1280
inc cill

600 mm split
680 mm easy clean



895
inc cill

600 mm split
680 mm easy clean



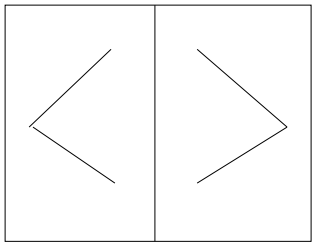
895
inc cill

620 mm
700 mm easy clean

Alternative Fire Escapes

A fly mullion window will also provide a fire escape opening.

905mm min width for fire escape

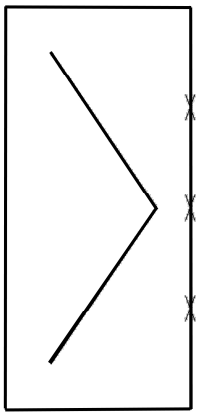


895
inc cill

Note

- **Triple Glazed windows - splits must be increased by 13mm in width to comply with fire escape**
- **IF large frame is being used for check reveal splits must also be increased.**

Specification for A.O.V



Timber Prestige Hardwood

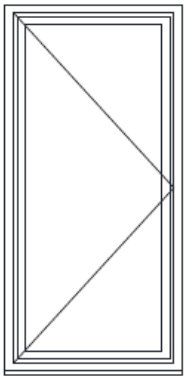
- Manufacture from door frame and door sash profile only
- Fit no locking system
- Fit door hinges
- Fit two door restrictors with security screws
- Fit one quick release restrictor
- Restrict opening in sash to 600mm approximately
- All A.O.V to be side hung
- Actuator must be fitted by site as soon as possiable
- A.O.V can only be C.E. Marked when actuators are supply and fitted by S.E. Controls

PRESTIGE TIMBER DOOR SECTION

MUNSTER JOINERY-SMOKE VENTS (AOV)

(SIDE HUNG OPEN OUT)

UNIT SIZE (mm)	CONFIGURATION	NO. OF VENTES	VENT SIZE (mm)	AV CHECK PER (m2) 75mm REVEAL
620 X 1040	SIDE HUNG	SINGLE	620 X 1040	0.38
620 X 1190	SIDE HUNG	SINGLE	620 X 1190	0.44
620 X 1340	SIDE HUNG	SINGLE	620 X 1340	0.51
620 X 1490	SIDE HUNG	SINGLE	620 X 1490	0.57
620 X 1640	SIDE HUNG	SINGLE	620 X 1640	0.64
620 X 1790	SIDE HUNG	SINGLE	620 X 1790	0.70
620 X 2090	SIDE HUNG	SINGLE	620 X 2090	0.83
620 X 2165	SIDE HUNG	SINGLE	620 X 2165	0.86
620 X 2240	SIDE HUNG	SINGLE	620 X 2240	0.90
620 X 2315	SIDE HUNG	SINGLE	620 X 2315	0.93
620 X 2390	SIDE HUNG	SINGLE	620 X 2390	0.96
900 X 1040	SIDE HUNG	SINGLE	900 X 1040	0.60
900 X 1190	SIDE HUNG	SINGLE	900 X 1190	0.71
900 X 1340	SIDE HUNG	SINGLE	900 X 1340	0.81
900 X 1490	SIDE HUNG	SINGLE	900 X 1490	0.91
900 X 1640	SIDE HUNG	SINGLE	900 X 1640	1.02
900 X 1790	SIDE HUNG	SINGLE	900 X 1790	1.12
900 X 2090	SIDE HUNG	SINGLE	900 X 2090	1.33
900 X 2165	SIDE HUNG	SINGLE	900 X 2165	1.38
900 X 2240	SIDE HUNG	SINGLE	900 X 2240	1.43
900 X 2315	SIDE HUNG	SINGLE	900 X 2315	1.48
900 X 2390	SIDE HUNG	SINGLE	900 X 2390	1.54
905 X 1640	SIDE HUNG	SINGLE	905 X 1640	1.02
1012 X 1040	SIDE HUNG	SINGLE	1012 X 1040	0.64
1012 X 1190	SIDE HUNG	SINGLE	1012 X 1190	0.75
1012 X 1340	SIDE HUNG	SINGLE	1012 X 1340	0.86
1012 X 1490	SIDE HUNG	SINGLE	1012 X 1490	0.97
1012 X 1640	SIDE HUNG	SINGLE	1012 X 1640	1.08
1012 X 1790	SIDE HUNG	SINGLE	1012 X 1790	1.19
1012 X 2090	SIDE HUNG	SINGLE	1012 X 2090	1.41
1012 X 2165	SIDE HUNG	SINGLE	1012 X 2165	1.47
1012 X 2240	SIDE HUNG	SINGLE	1012 X 2240	1.53
1012 X 2315	SIDE HUNG	SINGLE	1012 X 2315	1.58
1012 X 2390	SIDE HUNG	SINGLE	1012 X 2390	1.64
1125 X 1040	SIDE HUNG	SINGLE	1125 X 1040	0.67
1125 X 1190	SIDE HUNG	SINGLE	1125 X 1190	0.78
1125 X 1340	SIDE HUNG	SINGLE	1125 X 1340	0.89
1125 X 1490	SIDE HUNG	SINGLE	1125 X 1490	1.01
1125 X 1640	SIDE HUNG	SINGLE	1125 X 1640	1.12
1125 X 1790	SIDE HUNG	SINGLE	1125 X 1790	1.24
1125 X 2090	SIDE HUNG	SINGLE	1125 X 2090	1.46
1125 X 2165	SIDE HUNG	SINGLE	1125 X 2165	1.52
1125 X 2240	SIDE HUNG	SINGLE	1125 X 2240	1.58
1125 X 2315	SIDE HUNG	SINGLE	1125 X 2315	1.63
1125 X 2390	SIDE HUNG	SINGLE	1125 X 2390	1.69
1190 X 1190	SIDE HUNG	SINGLE	1190 X 1190	0.79
1190 X 1340	SIDE HUNG	SINGLE	1190 X 1340	0.90
1190 X 1490	SIDE HUNG	SINGLE	1190 X 1490	1.01
1190 X 1640	SIDE HUNG	SINGLE	1190 X 1640	1.13
1190 X 1790	SIDE HUNG	SINGLE	1190 X 1790	1.24
1190 X 2090	SIDE HUNG	SINGLE	1190 X 2090	1.47
1190 X 2165	SIDE HUNG	SINGLE	1190 X 2165	1.53
1190 X 2240	SIDE HUNG	SINGLE	1190 X 2240	1.59
1190 X 2315	SIDE HUNG	SINGLE	1190 X 2315	1.65
1190 X 2390	SIDE HUNG	SINGLE	1190 X 2390	1.70
1237 X 1790	SIDE HUNG	SINGLE	1237 X 1790	1.25
1237 X 2090	SIDE HUNG	SINGLE	1237 X 2090	1.48
1237 X 2165	SIDE HUNG	SINGLE	1237 X 2165	1.54
1237 X 2240	SIDE HUNG	SINGLE	1237 X 2240	1.59
1237 X 2315	SIDE HUNG	SINGLE	1237 X 2315	1.65
1237 X 2390	SIDE HUNG	SINGLE	1237 X 2390	1.71



OUTSIDE VIEW

NO LOCKS
NO HANDLES

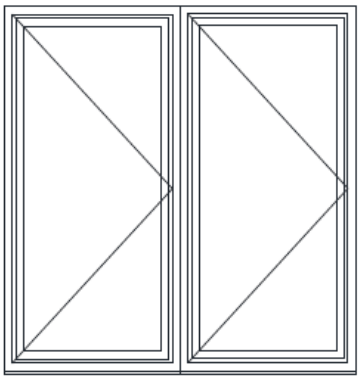
TO BE CERTIFIED
BY OTHERS

PRESTIGE TIMBER DOOR SECTION

MUNSTER JOINERY-SMOKE VENTS (AOV)

(DUBLE SIDE HUNG OPEN OUT)

UNIT SIZE (mm)	CONFIGURATION	NO. OF VENTES	VENT SIZE (mm)	AV CHECK PER (m2) 75mm REVEAL
1125 X 1040	SIDE HUNG	DOUBLE	562 X 1040	0.64
1125 X 1190	SIDE HUNG	DOUBLE	562 X 1190	0.75
1125 X 1340	SIDE HUNG	DOUBLE	562 X 1340	0.86
1125 X 1490	SIDE HUNG	DOUBLE	562 X 1490	0.97
1125 X 1640	SIDE HUNG	DOUBLE	562 X 1640	1.08
1125 X 1790	SIDE HUNG	DOUBLE	562 X 1790	1.19
1125 X 2090	SIDE HUNG	DOUBLE	562 X 2090	1.41
1125 X 2165	SIDE HUNG	DOUBLE	562 X 2165	1.47
1125 X 2240	SIDE HUNG	DOUBLE	562 X 2240	1.52
1125 X 2315	SIDE HUNG	DOUBLE	562 X 2315	1.58
1125 X 2390	SIDE HUNG	DOUBLE	562 X 2390	1.63
1190 X 1040	SIDE HUNG	DOUBLE	595 X 1040	0.71
1190 X 1190	SIDE HUNG	DOUBLE	595 X 1190	0.83
1190 X 1340	SIDE HUNG	DOUBLE	595 X 1340	0.95
1190 X 1490	SIDE HUNG	DOUBLE	595 X 1490	1.07
1190 X 1640	SIDE HUNG	DOUBLE	595 X 1640	1.19
1190 X 1790	SIDE HUNG	DOUBLE	595 X 1790	1.31
1190 X 2090	SIDE HUNG	DOUBLE	595 X 2090	1.55
1190 X 2165	SIDE HUNG	DOUBLE	595 X 2165	1.61
1190 X 2240	SIDE HUNG	DOUBLE	595 X 2240	1.67
1190 X 2315	SIDE HUNG	DOUBLE	595 X 2315	1.73
1190 X 2390	SIDE HUNG	DOUBLE	595 X 2390	1.79
1240 X 1040	SIDE HUNG	DOUBLE	620 X 1040	0.76
1240 X 1190	SIDE HUNG	DOUBLE	620 X 1190	0.89
1240 X 1340	SIDE HUNG	DOUBLE	620 X 1340	1.02
1240 X 1490	SIDE HUNG	DOUBLE	620 X 1490	1.14
1240 X 1640	SIDE HUNG	DOUBLE	620 X 1640	1.27
1240 X 1790	SIDE HUNG	DOUBLE	620 X 1790	1.40
1240 X 2090	SIDE HUNG	DOUBLE	620 X 2090	1.66
1240 X 2165	SIDE HUNG	DOUBLE	620 X 2165	1.73
1240 X 2240	SIDE HUNG	DOUBLE	620 X 2240	1.79
1240 X 2315	SIDE HUNG	DOUBLE	620 X 2315	1.86
1240 X 2390	SIDE HUNG	DOUBLE	620 X 2390	1.92
1340 X 1040	SIDE HUNG	DOUBLE	670 X 1040	0.84
1340 X 1190	SIDE HUNG	DOUBLE	670 X 1190	0.98
1340 X 1340	SIDE HUNG	DOUBLE	670 X 1340	1.12
1340 X 1490	SIDE HUNG	DOUBLE	670 X 1490	1.27
1340 X 1640	SIDE HUNG	DOUBLE	670 X 1640	1.41
1340 X 1790	SIDE HUNG	DOUBLE	670 X 1790	1.55
1340 X 2090	SIDE HUNG	DOUBLE	670 X 2090	1.84
1340 X 2165	SIDE HUNG	DOUBLE	670 X 2165	1.91
1340 X 2240	SIDE HUNG	DOUBLE	670 X 2240	1.98
1340 X 2315	SIDE HUNG	DOUBLE	670 X 2315	2.06
1340 X 2390	SIDE HUNG	DOUBLE	670 X 2390	2.13
1490 X 1040	SIDE HUNG	DOUBLE	745 X 1040	0.90
1490 X 1190	SIDE HUNG	DOUBLE	745 X 1190	1.05
1490 X 1340	SIDE HUNG	DOUBLE	745 X 1340	1.20
1490 X 1490	SIDE HUNG	DOUBLE	745 X 1490	1.36
1490 X 1640	SIDE HUNG	DOUBLE	745 X 1640	1.51
1490 X 1790	SIDE HUNG	DOUBLE	745 X 1790	1.66
1490 X 2090	SIDE HUNG	DOUBLE	745 X 2090	1.97
1490 X 2165	SIDE HUNG	DOUBLE	745 X 2165	2.05
1490 X 2240	SIDE HUNG	DOUBLE	745 X 2240	2.12
1490 X 2315	SIDE HUNG	DOUBLE	745 X 2315	2.20
1490 X 2390	SIDE HUNG	DOUBLE	745 X 2390	2.28



OUTSIDE VIEW

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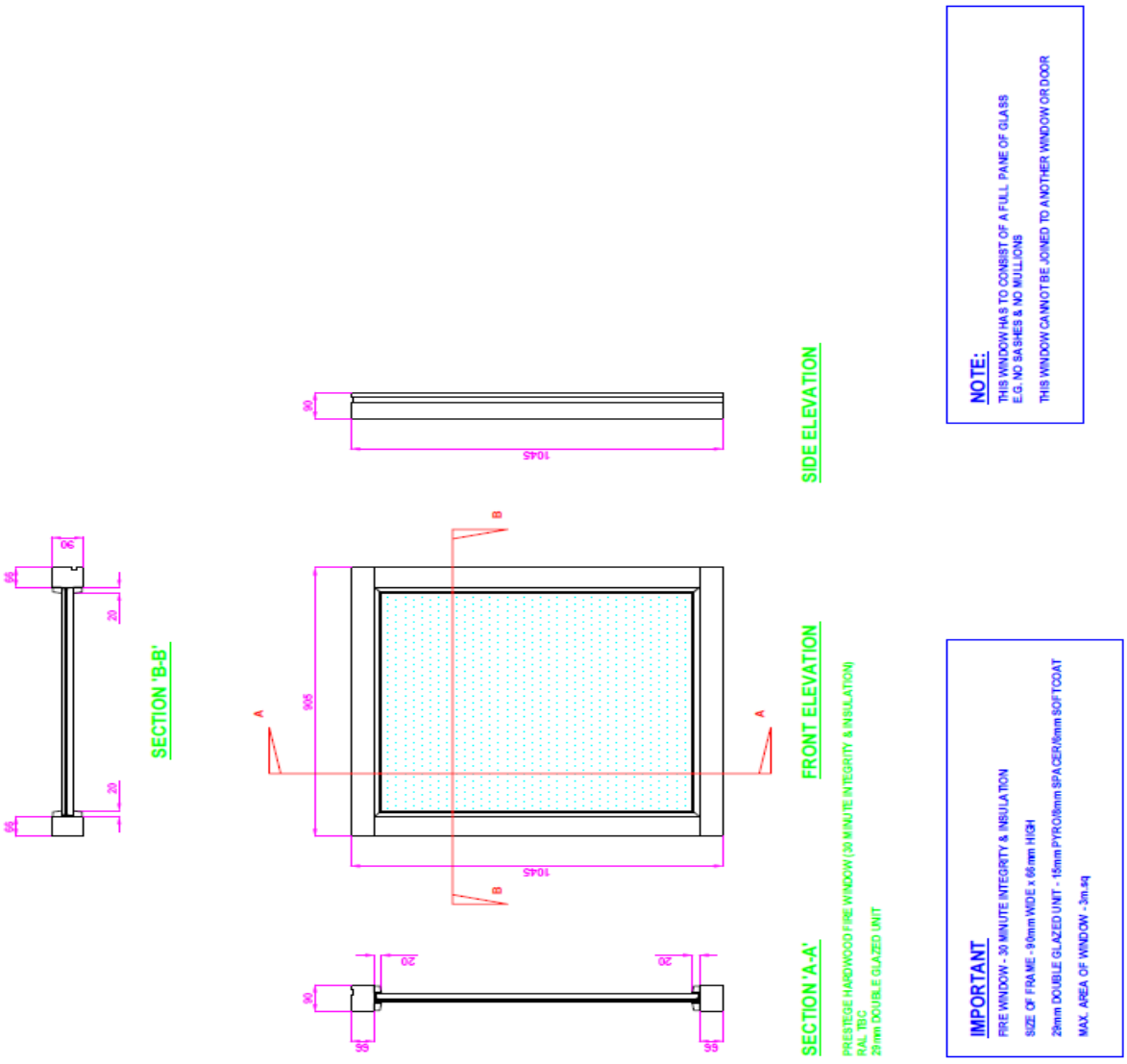
NO HANDLES

TO BE CERTIFIED
BY OTHERS

MUNSTER JOINERY UK LTD. - TECHNICAL INFORMATION SHEETS		
Title: Timber Prestige Hardwood Windows		
Sheet No.: 11.01	**Rev: C**	**Date issued: 01/12/2019**