



REHAU®

PVC-U Window and Door Systems

The Total Solution for Specifiers



Windows
make
houses





Head office, Ross-on-Wye

Windows
make
houses



REHAU

During the 1950's window manufacturing underwent a lasting change with the discovery that polymers were an ideal material for making frames.

Today, REHAU as a top supplier of window, door, curtain walling and conservatory systems, plays a leading role in the use of polymers.

With a variety of over twenty systems worldwide, the chance of finding one to suit almost any architectural style and climate condition has never been easier.

However it isn't just the sheer scale of the range that has undergone dramatic change over time, the sophisticated advances in technology have created more diverse applications and a more adaptable production approach.

Embracing these new steps in technology has proved extremely beneficial to us at REHAU. However some things have remained the same, with a continuation throughout the years of our quality control of the highest order, with investment still seen as the cornerstone of any new product, and an emphasis on the importance of research and development.

We understand that there is little point in an outstanding product if the service which goes with it is anything less than its equal, and believe in the individuality of individual markets (with all our UK systems designed and made solely in the UK).

REHAU's expertise is displayed in our extensive range of services such as a special CAD facility that can provide architects and designers with support including wind calculations. To our highly qualified independent fabricators, trained to follow our technical guidelines, (with many of them holding BS EN ISO 9000, BBA approval and Kitemark licences to BS 7412). To a technically competent sales team which offers help and advice right across the country.

The way we see it, our customers are an integral part of our history and of our future.



Blaenau Factory

Tried, Tested, Tough - and Insulated

Approvals

The main UK systems have been tested in accordance with and meet the highest requirements of BS 7412 and are kitemarked to BS EN12608 (Licence No. 13358), which incorporates BS EN ISO 9001. They have also been approved by the BBA. The S706 70mm and REHAU-Tritec 60mm systems have been type tested to BS7950 and PAS23/24 security standards and are also approved by the London Housing Consortium and by Birmingham City Laboratories.

If you require full details of the approvals for individual systems please ask for a copy of the system Test Report.

Building Regulations

REHAU systems comply with all relevant Building Regulations including Part L (England & Wales), Part J Scotland Conservation of Fuel Power. The table opposite provides a guide to the regulations applicable to our systems.

Our Commercial Sales Managers will be able to help you with any further details you require regarding REHAU systems and Building Regulations. .

Cleaning & Maintenance

PVC-U can be cleaned with warm water, a gentle household detergent and a soft cloth.

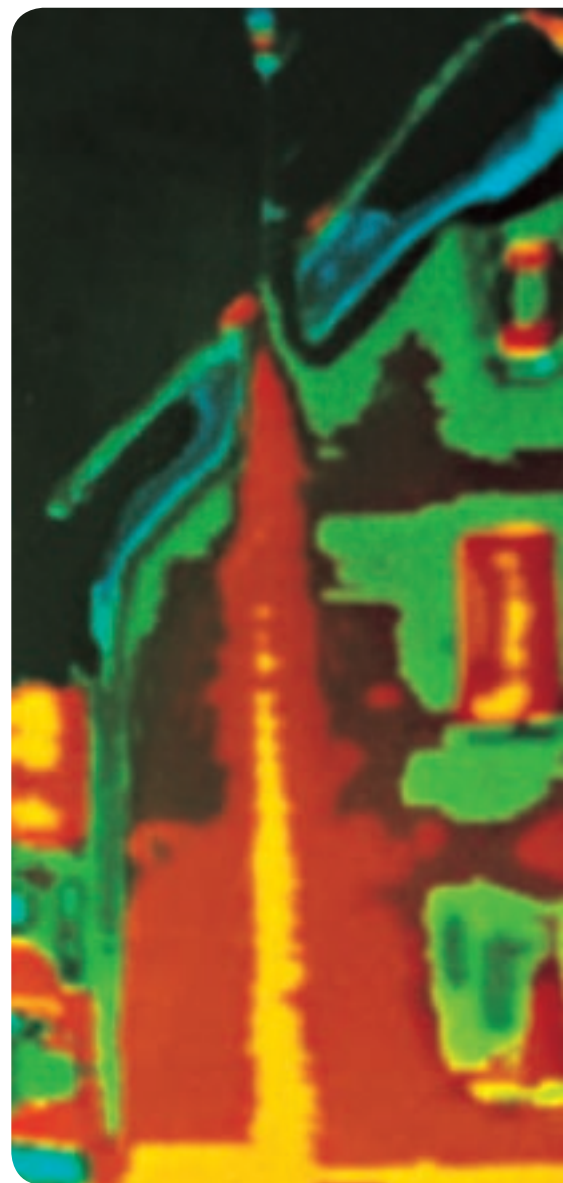
Specific maintenance requirements, especially for finished products, fittings and hardware as issued by manufacturers and fabricators, should be observed.

Material Properties

All REHAU systems are made from our own formulation, RAU-PVC 1406, which is impact-modified and weather resistant. This means that they are durable and will keep their looks for many years whatever the weather throws at them.

The Environment

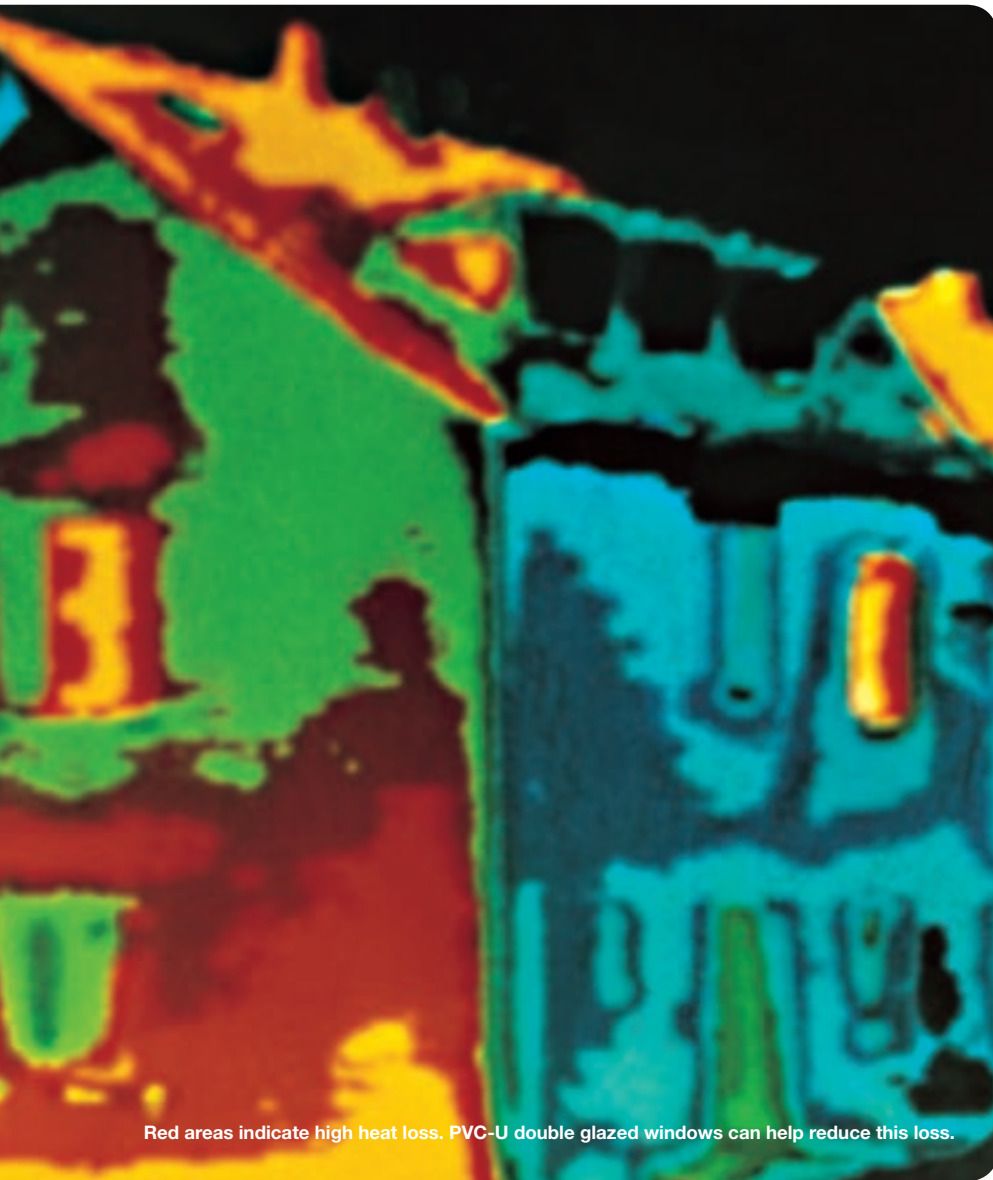
REHAU is committed to minimise the impact of our operations on the Environment. We achieved recognition for environmental management with our ISO14001 certification. Recycling plays a significant part in our processes from running schemes to recycle window waste into new window profile to a vast array of technical product produced from recycled material. We are currently working with external agencies to audit our processes for the environmental impact.



Third party Approvals	REHAU-Tritec	S706	S719
	■	■	■
		■	
	■	■	■

For detailed information of the elements of each profile covered and nature of that cover please ask for our Test Reports.

REHAU IS COMMITTED TO MINIMISE THE IMPACT OF OUR OPERATIONS ON THE ENVIRONMENT



Red areas indicate high heat loss. PVC-U double glazed windows can help reduce this loss.

Approvals & Building Regulations



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Relevant Building Regulations

Subject	England & Wales	Scotland	Northern Ireland
Fire Safety	Part B	Part E	Part E
Resistance to moisture	Part C	Part G	Part C
Resistance to the passage of sound	Part E	Part H	Part G
Ventilation	Part F	Part K	Part K
Conservation of Fuel & Power	Part L	Part J	Part F
Access for disabled people	Part M	Part Q	Part R
Glazing Safety	Part N	Part P	Part V

Casement Windows – REHAU S706 70mm



Key Characteristics

- Ideal replacement for British timber casement windows due to 70mm depth
- Choice of chamfered profiles using S706 or fully sculptured using the REHAU-Edge system
- French window style available
- Optional aesthetic features include Run through sash horns, arched head inserts, Clip-on Georgian bars and low level glazing beads and gasket
- Available with or without integral gaskets
- Compatible with fully reversible and pivot windows, entrance doors, in-line and tilt/slide patio doors
- Can be incorporated into REHAU conservatory designs
- Full range of supplementary profiles available to suit all installation requirements

Appearance

- Available in white, mahogany, rosewood and golden oak on white, mahogany, rosewood and golden oak both sides as standard
- For other non-standard laminate options and the range of RAL colours available using our Acryl II colour system please refer to page 34

Reinforcement

- Totally separate reinforcement chambers in profiles enables galvanised steels to be inserted for additional strength when required
- For more information please consult our Reinforcement Guidelines ref. 700.620E

Insulation

- Complies with the requirements of the Building Regulations covering Conservation of Fuel & Power - Part L (England & Wales) and Part J (Scotland) when glazed using the correct type of sealed unit
- Can achieve up to an 18% improvement to Uf value through using the REHAU patented thermal sleeve
- Sound insulation is dependent on glazing specification. For more information please consult one of our Commercial Sales Managers

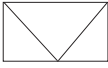
Fittings and Hardware

The S706 system can accommodate

- A wide range of friction stays including egress hinges
- Both espagnolette and shootbolt locking mechanisms
- Manufacturers recommendations on maintenance should be followed

Glazing

- 4mm to 32mm double glazing
- Glazing depth can be extended to 42mm for triple glazing using a special bead
- Internal or external glazing
- Dry glazing with glazing bead and gasket or a co-extruded glazing bead
- Low level glazing option available
- A security glazing gasket can be used for extra security

Maximum Sash Sizes		Outward opening side hung			Outward opening top hung		
							
		MAX			MAX		
Sash	Finish	W x H cm	m ²	kg	W x H cm	m ²	kg
Sash Z	White	85x150	1.28	40	120x120	1.44	40
Sash T	White	85x150	1.28	40	120x120	1.44	40
Sash Z	Coloured/Foiled	85x150	1.28	40	120x120	1.44	40
Sash T	Coloured/Foiled	85x150	1.28	40	120x120	1.44	40

NB: These sizes are for guidance only and are dependent on fittings and hardware used. Please consult REHAU for more detailed information.

Residential Doors – REHAU S706 70mm & REHAU-Tritec 60mm

2



Characteristics

- Choice of chamfered profiles using S706 or fully sculptured using the REHAU-Edge system
- Available in open-in and open-out styles for a variety of installations
- Compatible with casement, fully reversible, pivot and tilt/turn windows and French and tilt/slide doors
- Can be incorporated into REHAU's conservatory designs

Appearance

- Available in white, mahogany, rosewood and golden oak on white, mahogany, rosewood and golden oak both sides as standard
- For other non-standard laminate options and the range of RAL colours available using our Acryl II colour system please refer to page 34

Reinforcement

- Fully reinforced sash using galvanised steel
- Pre-routed on locking side ensures continuous reinforcement
- REHAU's innovative weldable corner joint system can be incorporated to increase rigidity of the door

Insulation

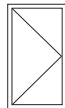
- Complies with the requirements of the Building Regulations covering Conservation of Fuel & Power - Part L (England & Wales) and Part J (Scotland) when glazed using the correct type of sealed unit
- Sound insulation is dependent on glazing specification. For more information please consult one of our Commercial Sales Managers

Fittings and Hardware

- Can accommodate most standard locking mechanism including high security bolt systems
- Flag or butt hinges
- Manufacturers recommendations on maintenance should be followed

Glazing

- 4mm to 32mm double glazing
- Glazing depth can be extended to 42mm
- Must be fitted with safety glass, which meets BS6262
- Dry glazing with glazing bead and gasket or a co-extruded glazing bead
- Choice of sloped or sculptured beads
- Low level glazing option available

Maximum Sash Sizes		Residential Door		
NB: Sash width shown not less than 590mm. Butt hinges should be used when producing door sashes under 850mm widths.				
Sash	Finish	MAX		
		W x H cm	m ²	kg
Sash Z	White	100x220		100
Sash T	White	100x200		100
Sash Z	Coloured/Foiled	100x210		100
Sash T	Coloured/Foiled	100x210		100

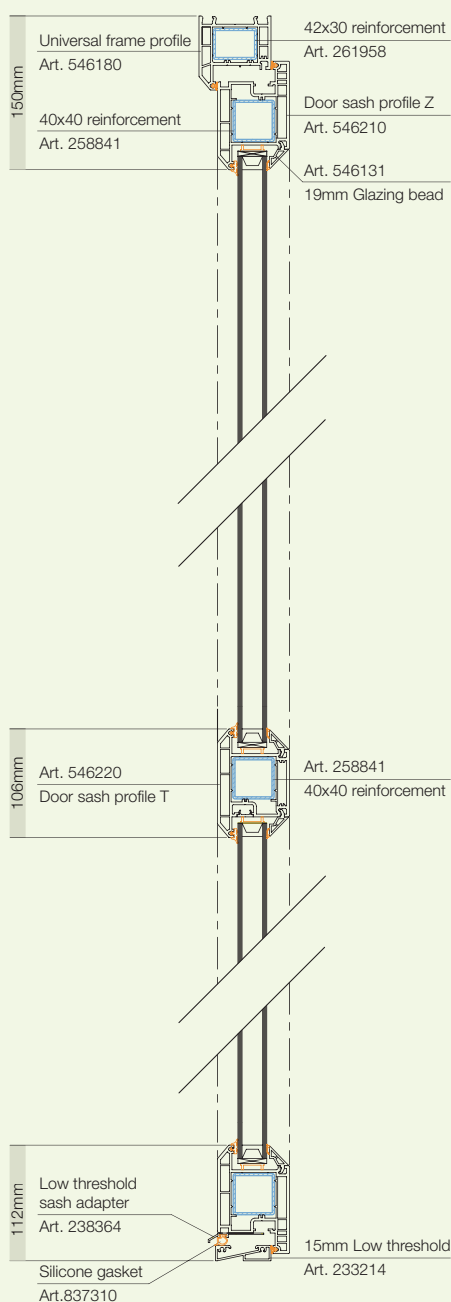
CAN ACCOMMODATE MOST STANDARD LOCKING MECHANISM INCLUDING HIGH SECURITY BOLT SYSTEMS

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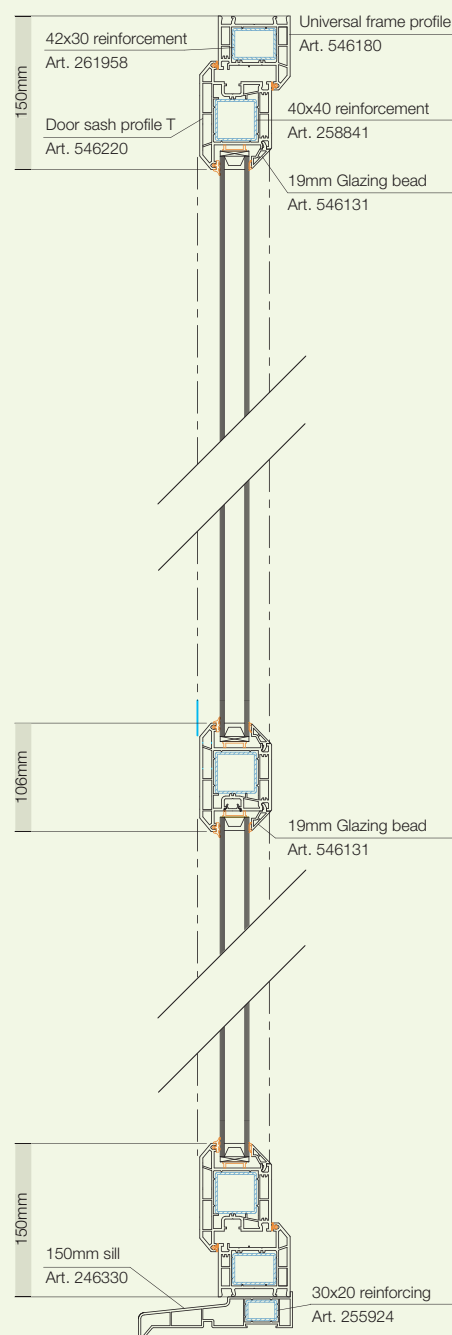


REHAU Weldable corner joint system

70mm Residential door Low threshold with midrail



70mm Residential door Outward opening with midrail



NB. The Eurogroove position for integral door sash profiles has been changed from 9mm to 13mm.

DETAILED DRAWINGS ARE AVAILABLE ON REQUEST

Approvals

PAS 23 - report nos. 261/4317962 & 261/4457027

PAS 24 - report no. 261/44214731 2 of 2

French Doors – REHAU S706 70mm & REHAU-Tritec 60mm

2



Characteristics

- 70mm system has a choice of chamfered profiles using S706 or fully sculptured using the REHAU-Edge system
- REHAU-Tritec 60mm system offers chamfered profiles
- Open-in or open-out styles offer increased versatility
- Dummy mullion allows full aperture opening
- Can be constructed for equal or non-equal split

Appearance

- Available in white, mahogany, rosewood and golden oak on white, mahogany, rosewood and golden oak both sides as standard
- For other non-standard laminate options and the range of RAL colours available using our Acryl II colour system please refer to page 34

Reinforcement

- Fully reinforced sash using galvanised steel
- Pre-routed on locking side ensures continuous reinforcement
- REHAU's innovative weldable corner joint system can be incorporated to increase rigidity of the door
- REHAU-Tritec 60mm system offers chamfered profiles

Insulation

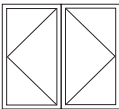
- Complies with the requirements of the Building Regulations covering Conservation of Fuel & Power - Part L (England & Wales) and Part J (Scotland) when glazed using the correct type of sealed unit
- Sound insulation is dependent on glazing specification. For more information please consult one of our Commercial Sales Managers

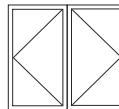
Fittings and hardware

- Flag, butt or cranked hinges
- A wide range of locking mechanisms
- Restrictor stays and ventilator positions
- Manufacturers recommendations on maintenance should be followed

Glazing

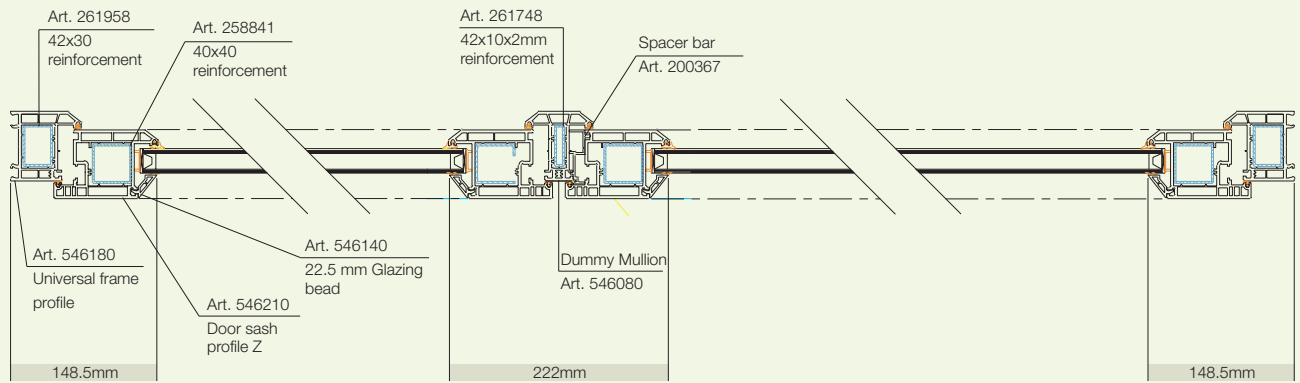
- 6mm to 28mm double glazing
- For 70mm system glazing depth can be extended to 42mm by using a special bead
- Must be fitted with safety glass which meets requirements of BS6262
- Dry glazed with glazing bead with gasket or co-extruded glazing beads in shaped, sloped or sculptured shapes

70mm System Maximum Sash Sizes		French Door		
NB: Sash width shown not less than 590mm. Butt hinges should be used when producing door sashes under 850mm widths.				
Sash	Finish	MAX		
		W x H cm	m ²	kg
Sash Z	White	80x220		100
Sash T	White	80x220		100
Sash Z	Coloured/Foiled	70x210		100
Sash T	Coloured/Foiled	70x210		100

60mm System Maximum Sash Sizes		French Door		
NB: Sash width shown not less than 590mm. Butt hinges should be used when producing door sashes under 850mm widths.				
Sash	Finish	MAX		
Article No.		W x H cm	m ²	kg
Sash Z	White	80x220		100
Sash Z Slimline	White	80x220		60
Sash T	White	80x220		100
Sash Z	Coloured/Foiled	70x210		100
Sash Z Slimline	Coloured/Foiled	70x210		60
Sash T	Coloured/Foiled	70x210		100

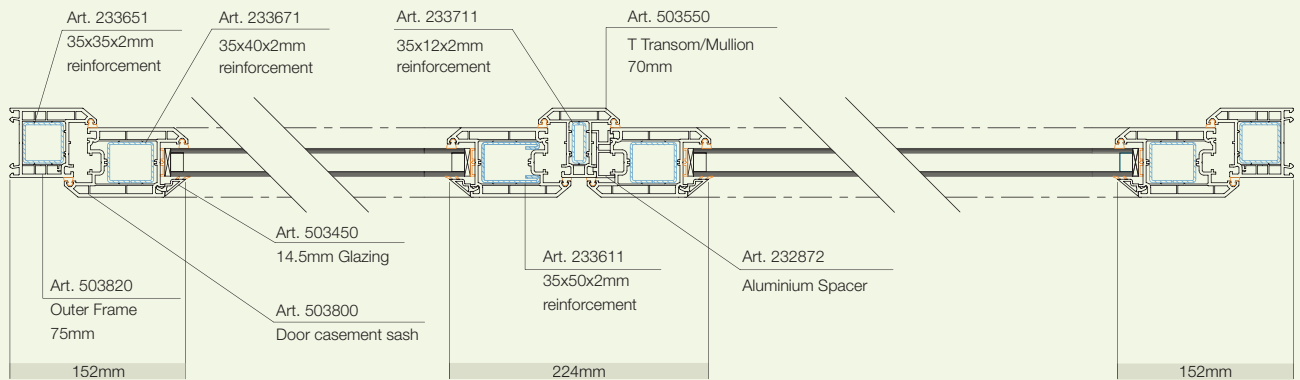
OPEN-IN OR OPEN-OUT STYLES OFFER INCREASED VERSATILITY

70mm French Door Inward Opening



NB: The Eurogroove position for integral door sash profile has been moved from 9mm to 13mm

60mm French Door Inward Opening



DETAILED DRAWINGS ARE AVAILABLE ON REQUEST

