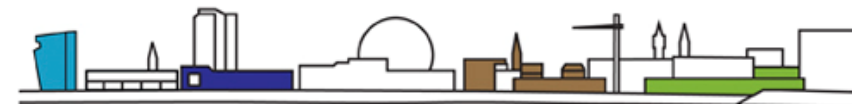


Technical Advice Note

The Repair and Replacement of Windows and Doors



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aberdeen local development plan

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1. Introduction

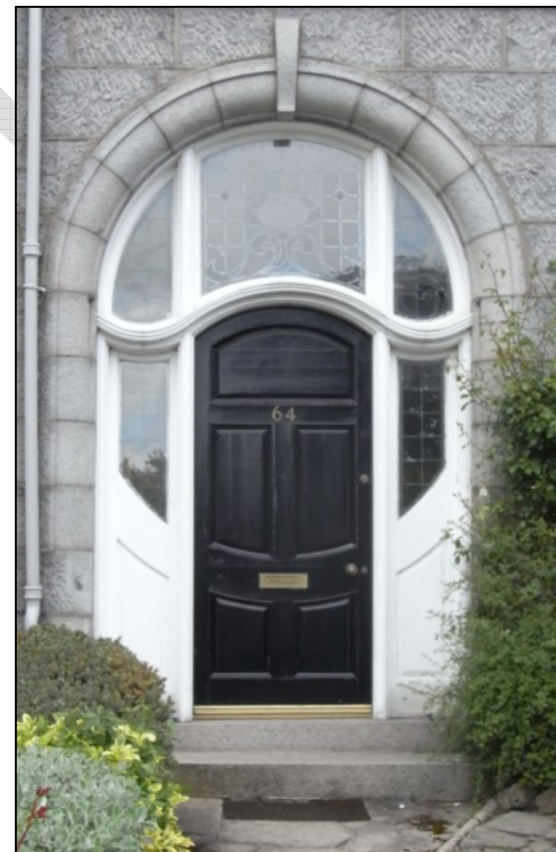
This is one in a series of **Technical Advice Notes** (TANs) produced by Aberdeen City Council to help explain the Council's policies on various aspect of development in the City and who to contact for further information and advice.

This TAN addresses the **Repair and Replacement of Windows and Doors** and applies to all properties in the City. It:

- provides advice and guidance to residents and developers who are considering the repair or replacement of windows or doors;
- provides advice on whether any approvals are required before undertaking works (e.g. Planning Permission, Listed Building Consent, Building Warrant), and how to apply for these approvals;
- is a 'material consideration' and will assist Officers within Aberdeen City Council in determining applications,
- explains why windows, doors and doorways are important features of traditional buildings;
- outlines the Council's expectations for properties which are Listed Buildings and / or within a Conservation Area.;
- provides 'best practice' guidance on suitable replacement windows and doors where repair is not an option and,
- advises on measures to enhance the efficiency and security of older windows and doors without having to replace them.

A Further Reading list is provided at the rear of the guide (Section 11), along with a Glossary (Section 10) to explain terms which may not be familiar. The TAN does not include guidance on new dormer windows, as this is covered separately within the Householder Development Guide Supplementary Guidance, available at:

www.aberdeencity.gov.uk/localdevelopmentplan.



Windows, doors and doorways can be important features of a building which are important to protect

2. Thinking About Change

There are a number of reasons why owners might consider replacing their windows or doors, however the most common reasons are generally to do with concerns over heat loss, sound proofing, security and maintenance.

The general assumption is that these types of issues can only be resolved by completely replacing original windows and doors with something new – such as new ‘double glazing’. This is however often unnecessary, and can be extremely costly and unsustainable.

Below are a number of questions to consider before deciding whether replacing your windows or doors is right for you:

- Do my windows or doors actually need replacing or would it be more cost effective and sustainable to repair them?
- How old are my existing windows or doors? Are they of local or historic value or interest? Do they add value to my house?
- Are there upgrades which can be made to my existing windows to address heat loss, sound proofing and security?
- Can any parts of my existing windows or doors be recycled or reused if they cannot be repaired?
- Will new windows or doors really result in less maintenance?
- How long will it take for any savings in my heating costs to pay for the cost of new units, and how long will the new units last?



Repair of sash & case windows can often be much cheaper than replacement

3. Why Do We Need to Manage Change?

Windows, doors and doorways are distinctive features of a building which can often tell us a lot about local history and social change. In areas of Aberdeen where buildings have little decoration, traditional windows can make an important contribution to a building's architectural interest.

Changes to windows and doors which are well managed can make a positive contribution to the design and appearance of a building and to the quality and character of the surrounding area. Inappropriate changes can however have a significant negative impact on the character or appearance of a building which, when repeated over time, can dilute the appeal of wider areas.

For Listed Buildings and Conservation Areas inappropriate change can be particularly damaging, and may result in drops in property values. Unauthorised change may also lead to legal enforcement action.



Inappropriate change can negatively affect streets and wider areas as well as individual buildings

To check if your property is a Listed Building, visit: www.historic-scotland.gov.uk/historicandlistedbuildings.

To check if you live within a Conservation Area, visit: www.aberdeency.gov.uk/masterplanning.

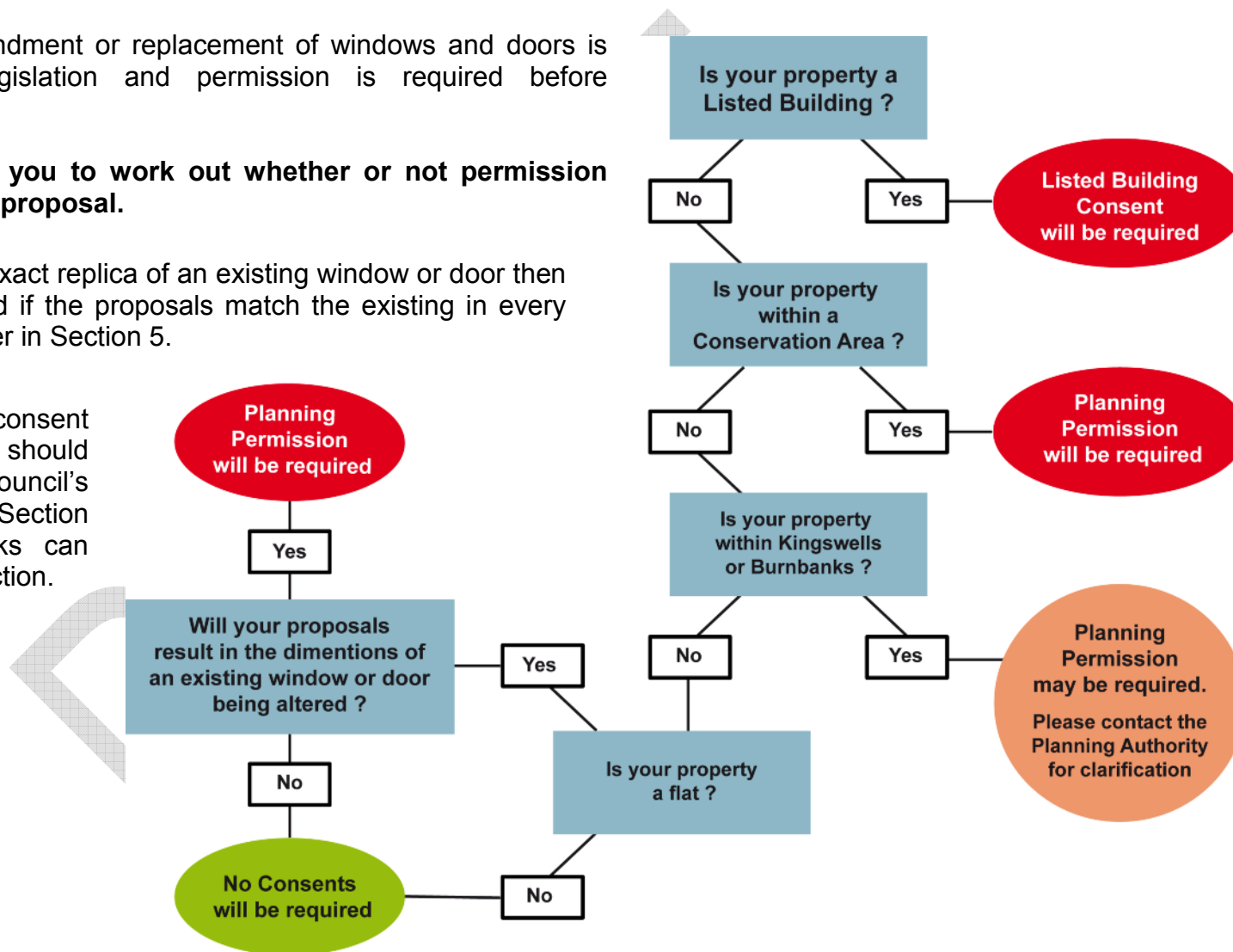
4. Do I Need Consent?

In some instances the amendment or replacement of windows and doors is controlled by planning legislation and permission is required before undertaking any works.

This diagram should help you to work out whether or not permission would be required for your proposal.

If your proposals are for an exact replica of an existing window or door then consent may not be required if the proposals match the existing in every way. This is discussed further in Section 5.

If you are unsure whether consent would be required you should always check with the Council's Development Management Section first, as unauthorised works can lead to costly enforcement action.



4.1 Building Regulations

Building Regulations exist to protect the public and for replacement windows and doors cover aspects such as ventilation, safety from collision, safe cleaning, prevention of falls, thermal performance and means of escape.

There is no need to obtain Building Warrant approval for replacing your windows or doors, but the work you undertake should meet the requirements of the Building Regulations, and the responsibility for compliance rests with the owner.

This guidance applies whether or not the new window or door is to be the same style and material as the existing.

Repairs to an existing window are slightly different and can be completed to return the window to the original standard without the need for the repaired window meeting current standards e.g. replacing the cill.

It is recognised that compliance with all Building Regulations may be difficult in buildings that have existing historical features or are Listed. Further advice on relaxations can be sought from the Building Standards Team at 01224 523470 or pi@aberdeencity.gov.uk.

Further guidance on Building Regulations can be found in Appendix 2.

5. Listed Buildings, Conservation Areas and Other Areas of Special Control

5.1 Listed Buildings

In Aberdeen, Listed Buildings range from grand villas on Queens Road, to tenement blocks on Rosemount Viaduct and fishermen's cottages at Footdee. Each Listed Building has its own character and style, be it individually, or as part of a wider group of buildings.

All Listed Buildings are protected, not just those in Conservation Areas, and all elevations of a Listed Building are protected, regardless of the Category of Listing.

Listed Building Consent will always be required for the alteration or replacement of windows or doors in Listed Buildings. In some instances repairs to traditional windows and doors using the original materials ("like for like") may not require Listed Building Consent. For proposals not to require consent they must include exact replication of the opening method and materials. For windows they must also include exact details of astragal dimensions and profiles, fixing of glass and the reuse of historic glass where this contributes to a building's character.

In considering applications for Listed Building Consent, the Council is required by law to: "...have special regard to the desirability of preserving the building or its setting or any features of special architectural or historic interest which it possesses" (Planning (Listed Buildings and Conservation Areas) (Scotland) Act 1997). If the Listed Building is situated in a Conservation Area, or is part of a flatted property, Planning Permission may also be required.

It is recommended that you check with the Council's Development Management section prior to undertaking any works to receive confirmation as to whether any consents would be required.



Building may exhibit a variety of window sizes and glazing patterns. This can provide important evidence of the history of the building and contribute to its character and interest

Original or historic windows, doors and doorways in Listed Buildings must be repaired and restored rather than replaced. Only in exceptional circumstances will replacement windows and doors be permitted, and these replacements must match the originals in terms of appearance and material as far as is reasonably possible. Consent to replace original windows or doors on Listed Buildings will only be given when it can be demonstrated to the satisfaction of the Council that they are beyond economic repair, and evidence of this will be required as part of any application. This evidence should take the form of a Professional Survey, further details on which are provided in Appendix 1.

5.2 Conservation Areas

Conservation Areas are areas of the City which have been designated by the Council for their special architectural or historic interest. Aberdeen has 11 Conservation Areas within the City Boundary, which include areas such as Old Aberdeen, Ferryhill and Rosemount / Westburn. Appraisals of Conservation Areas in Aberdeen are available at www.aberdeencity.gov.uk/masterplanning.

Even if your building is not Listed, if it is in a Conservation Area you will require Planning Permission to alter or replace windows or doors other than on a like for like basis, as described in Section 5.1. This requirement applies to both modern and older, traditional, properties.

In considering applications for Planning Permission in Conservation Areas, the Council is required by law to pay special attention “*to the desirability of preserving or enhancing the character or appearance of that area*”. (Planning (Listed Buildings and Conservation Areas) (Scotland) Act 1997). For Listed Buildings within Conservation Areas, Planning Permission will be required in addition to Listed Building Consent. For buildings which are located within Conservation Areas (but are not Listed Buildings), the Council’s preference is for original windows and doors to be repaired and restored wherever possible.



Details of the Conservation Areas in Aberdeen can be found on the Council’s website, www.aberdeencity.gov.uk.

5.3 Other Areas of Special Control

Permitted development rights exist throughout the City so that small alterations to properties, such as replacing windows or doors, can be undertaken without the need for some permissions.

Burnbanks and Kingswells

In Burnbanks Village and Kingswells the City Council has taken the decision to remove these Permitted Development Rights via an Article 4 Direction, and so planning permission for replacing or amending windows / doors in these areas will be required.

The general preference will be for original or historic windows and doors in areas covered by an Article 4 Direction to be repaired and restored wherever possible. Where there is no original or historic fabric to be retained then any assessment of replacement proposals will principally be based on styling/type, materials and colouring.

Flats

If you live in a flatted property, planning permission will be required if you intend to alter the dimensions of an existing window or door opening.

6. Repair, Upgrade and Replacement

6.1 Retain and Repair

If you are considering new windows or doors, it is first worth checking whether replacing your existing windows/doors would be appropriate, or indeed necessary. Windows and doors can almost always be improved by being repaired, even if they are in very poor condition. Repair is also preferred in terms of sustainability as it reduces the requirement for new raw materials and energy.

Traditional Windows and Doors

The repair of original windows and doors is the best means of safeguarding the historic character of a traditional building, and in maintaining the visual character of wider areas. Repair will always be promoted over replacement, as new, modern units will very rarely be capable of matching the character and visual interest of the units to be replaced.

Traditional windows are nearly always timber sash and case and are found in a variety of forms that reflect changing glass technology and architectural fashion. Timber sash and case windows are a recognised feature of Aberdeen's traditional buildings, and are generally of a straightforward design and construction, meaning that they can usually be easily repaired.

Curved corner windows and rectangular "lying" panes of glass are features which are particularly special to Aberdeen must always be retained.



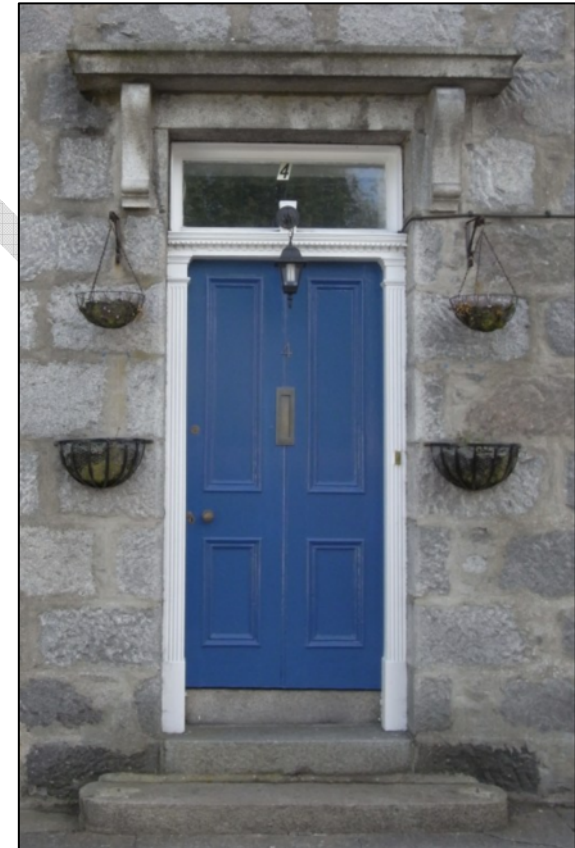
Examples of rectangular panes and curved glass

Traditional external doors and doorways are usually of solid timber frame construction with inset panelling retained by mouldings. Throughout the 18th and 19th centuries panelled doors became standard for the main entrance of most types of building. In Aberdeen this was typically reflected in 4, 5 and 6 panel varieties in a number of different configurations. A good joiner should be able to treat most faults with traditional doors, and again repair should be less expensive than replacement.

Traditional windows and doors are extremely durable and when properly maintained can last for centuries - many in Aberdeen are already well over 100 years old. In contrast, some modern windows can need replacing after just 20 years. Traditional windows and doors are generally made from good quality, durable, timber from mature trees which is of a much better quality than timber which is generally economically available today from sustainable sources. It therefore makes sense to retain and repair original windows, doors and doorways rather than to replace them with new timber which may not last as long and may be more susceptible to decay.

Original or historic windows, doors and doorways in Listed Buildings must be repaired and restored rather than replaced. Only in exceptional circumstances will replacement windows and doors be permitted, and these replacements must match the originals in terms of appearance and material as far as is reasonably possible. For buildings which are located within Conservation Areas, the Council's preference is also for original windows and doors to be repaired and restored wherever possible.

Original door ironmongery such as letterboxes, door knockers and handles should be retained and reused wherever possible, as should original window fittings such as cord clamps, sash lifts, sash fasteners and hooks.



4 panelled door with associated door ironmongery / furniture

6.2 Upgrading Traditional Windows and Doors

Replacing existing 'single glazed' timber windows and original timber doors with new 'double glazed' windows and uPVC / composite doors is often promoted as a means of fighting heat loss, draughts, dust ingress and providing improvements to sound insulation and security. Traditional windows and doors can however be upgraded at a lower cost to bring these same benefits, whilst still retaining the original features and style which gives character to your building.

Energy Efficiency

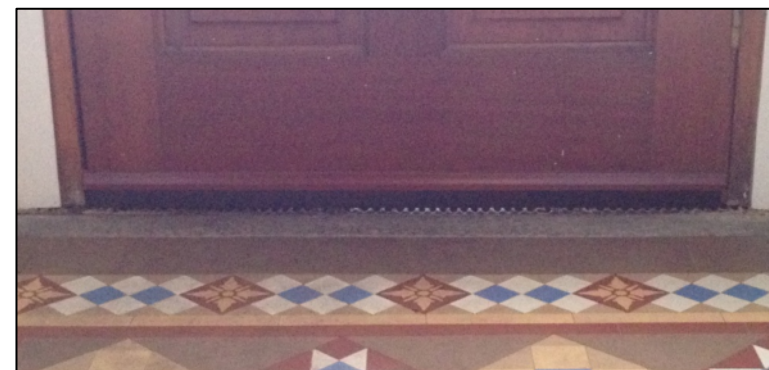
By the nature of their construction many older buildings are prone to heat loss through cracks and gaps which develop as building elements move and settle over time. Although this natural settlement helps to properly ventilate the building, often these draughts result in heat loss which can be uncomfortable for occupiers.

Draughts around older windows and doors (including key holes and letter boxes) can be a source of air leakage, and **draught-proofing** is one of the best ways to improve comfort and reduce energy use, with little or no change to a building's appearance.

Draught-proofing simply means blocking up any unwanted gaps which let cold air in and warm air out. Keeping warm air in the building means less energy spent heating it, therefore saving you money. A number of draught-proofing measures are widely available from DIY stores and can be fitted relatively cheaply.

Draught-proofing can also improve noise insulation, reduce dust ingress and make sash and case windows easier to slide up and down. Curtains lined with a layer of heavy material can also help reduce heat loss from a room and cut draughts.

Traditional timber doors are generally very effective in retaining warm air within a building, however additional insulation material can be added to the panels on the indoor side of the door to enhance the effect and fight additional heat loss whilst still maintaining the character of the door from the outside.



Draught-proofing strips can be easily applied to interior side of external door

Where installing draught-proofing to traditional windows is difficult, **secondary glazing** systems can be a good alternative. Secondary glazing consists of an additional pane of glass fitted on the inside of the existing window frame which can be removed during summer months and for cleaning. Providing similar insulation values to double glazing, it can also reduce dust ingress, provide good noise insulation, and be an extra security measure.

Secondary glazing design should seek to be as discreet as possible, particularly in Listed Buildings, with small frames concealed from view. Meeting rails and frames should be as small in section as possible to allow them to be disguised behind existing rails. If secondary glazing is installed, the original windows should not be draught-proofed to help avoid condensation.

For more information about improving energy efficiency in traditional properties a number of Historic Scotland's publications are included in the Further Reading List at the end of this document (Section 11).

Security

To improve the security of traditional sash and case windows additional sash locks can easily be fitted to the meeting rails to improve the security of the window when closed. Timber blocks and / or sash stops can also be fitted to restrict the size of openings.

Additional security measures on doors can also be easily incorporated without affecting the character of a door, for example extra mortice locks, rimlocks or bolts.



Secondary glazing should seek to be as discreet as possible

6.3 Replacing Windows and Doors

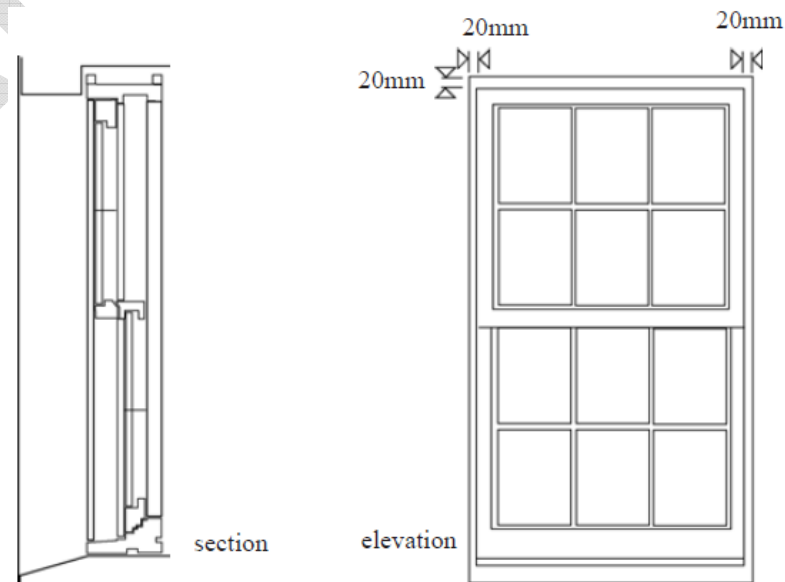
The most appropriate windows and doors for a property are likely to be those which were originally designed for it. Instances will however exist where original features will have deteriorated to such a state that replacement is the only viable option. Complete replacement of traditional windows and doors should however only be contemplated where the features to be replaced have deteriorated beyond economic repair, i.e. it would be unviable to repair and replacement is the only option remaining. The following principles are especially relevant where Planning Permission or Listed Building Consent is required, but should also be considered as 'best practice' for all properties throughout the City, even when consent is not required.

Windows

Where there is no alternative to replacement, new windows should be sensitively replaced in an environmentally sensitive way which is in keeping with the character of the original building and the quality of its design.

The original proportions of window openings should be retained to ensure the architectural integrity of the building is not compromised. Where any original glazing survives, every effort should be made to retain or to salvage as much as possible for re-use.

The relative proportions of the upper and lower sashes of new windows in Listed Buildings must be the same as in the original windows, as should the size of timber sections. Replacement windows should be fitted in the same plane, be made up from timber sections of the same profile and dimensions, and have the meeting rails in the same position. Generally, when the window is fully closed, the visible part of the sash stiles, top rail and meeting rails should be of a similar width/ depth. Where there is no existing original model on which to base a replica, bottom rails should be at least 75mm deep and 25mm deeper than the meeting rails, on elevation. No more than 20-25mm of the sash box should be visible in the window opening, the remainder being concealed behind the masonry window check.



Sash & case window illustration

Factory made standard windows, whether in timber, aluminium, galvanised steel, plastic (uPVC) or a composite are almost always damaging to the character and appearance of historic buildings and will not be appropriate for Listed Buildings. In Listed Buildings joiner-made timber replacements will generally be the only type of replacement window which will be accepted.

Ventilators cut through the glass or visible on the window frames will not be considered acceptable on Listed Buildings or on public elevations in Conservation Areas. Ventilators, where required, should be located unobtrusively in the meeting rail. Where trickle ventilation is required other more discreet means of achieving this should always be considered. Historic Scotland's publication "Sash & Case Windows: A Guide for Homeowners" provides further guidance on ventilation.

Consent for replacement windows on Listed Buildings or public elevations in a Conservation Area which reproduce the astragal pattern but open in a different manner will always be refused, as will consent for those where the astragals are merely applied to the surface of, or are sandwiched between, the panes of double glazing. Where astragals are required, they must be kept slender to match the thickness of the original astragals, particularly in multiple pane sashes.



Discreet means of achieving ventilation will be required for Listed Buildings and on public elevations in Conservation Areas

Where glazing beads are required they should be wedge shaped to match a putty fillet, and taper from 10mm at the glass to less than 2mm at the outside. The edge of the bead must be flush with, or kept slightly back from, the face of the sash. It must never project out from the face of the sash, or an unacceptable shadow line will be created around each pane of glass.

The dimensions of replacement window astragals should use original sash windows as the model. Typically astragals may only be 17-19mm wide. In Listed Buildings, where the interior of the building can often be as important as the exterior, the internal profile of the astragals must not be over-simplified, but should reproduce traditional moulding appropriate to the period and detail of the building. Astragals must carry through the sash to completely separate each pane of glass.

Glazing in sash windows on Listed Buildings should preferably be retained in position with traditional putty or modern butyl based putty, which is always preferred to timber beads.

In both Listed Buildings and Conservation Areas there will be a strong presumption in favour of retaining stained or decorative leaded glass and etched glass in replacement proposals. Proposals to use wired glass, obscured glass, louvered glass or extract fans in windows on Listed Buildings or on public elevations in Conservation Areas will not generally be considered acceptable.

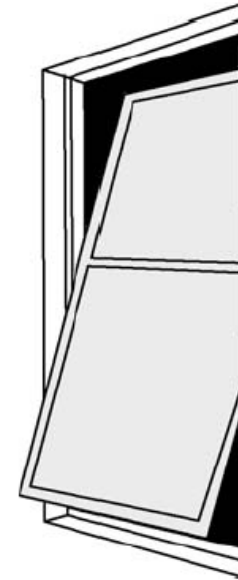
On traditional buildings in Conservation Areas, modern window designs will generally be inappropriate on elevations of the building which are visible from public areas.

Sash and case “lookalike” windows, which closely match the detailing and appearance of a traditional sash and case window, but may employ a different opening mechanism, may be acceptable in Conservation Areas.

“Lookalike” windows will normally be formed in timber and will have upper and lower sashes of the same size as those in the window they are to replace. It is of vital importance that the upper sash is stepped out in front of the lower sash in profile, with the meeting rails fully overlapping as seen in elevation, such that the window when closed, is virtually indistinguishable from a traditional sash and case window. White uPVC vertical sliding windows may be acceptable as 'lookalike' replacements for windows in Conservation Areas provided that proposals with through / embedded astragals comply with original dimensions. No planted astragals will be accepted on elevations in Conservation Areas which are visible from public areas.



Acceptable type of 'lookalike' in a Conservation Area



Not acceptable as a 'lookalike' in a Conservation Area

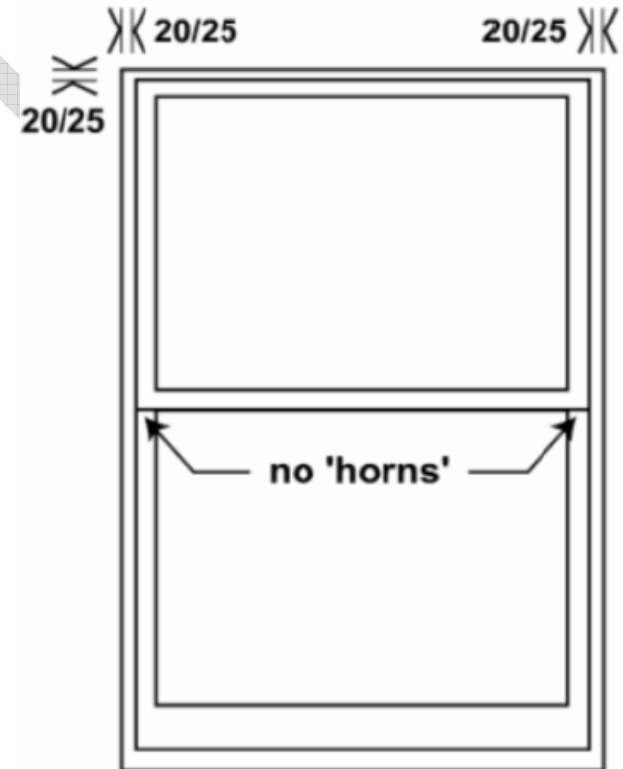
Where uPVC “lookalike” windows are to be used they should fully replicate the significant features of timber sash and case windows. Such features would include:

- a. no more than 25mm of the outer window frame should be visible at the top and sides, once the window has been fitted into the masonry opening.
- b. the meeting rails must fully overlap.
- c. the bottom rail of the lower sash must be at least 75mm high.
- d. the glass must be recessed from the front face of the sash by at least 10mm..

The Council may choose to be more flexible when considering applications for replacement windows and doors in Conservation Areas which are not visible from the street or are only visible from a private court.

On non-traditional, more modern, buildings in Conservation Areas a broader range of materials and designs may be permitted, depending on the individual building and surrounding area.

Elsewhere in the country most mid/late Victorian windows have ‘horns’ however this is not the case in Aberdeen. Along with original Georgian and early Victorian windows, most nineteenth century windows in Aberdeen do not have horns, and neither should the windows which replace them. The use of horns should only be contemplated only where there is clear evidence that they existed on the original windows, and in such instances the design of the horns should match the original.



Elevation of sash & case 'lookalike' windows with no 'horns'

Doors

Where there is no alternative to the replacement of an original door, new elements must match the original as far as possible when the property is a Listed Building or is visible from a public area within a Conservation Area. The new door should match the original in terms of proportion, profile and material, and reuse historic glass where this contributes to a building's character. If the property forms part of a group of uniform design, then any replacement should make reference to those of the neighbouring properties in style, design and size. Joiner-made replicas will be strongly encouraged in Conservation Areas and will be a requirement for Listed Buildings.

Composite door solutions may be appropriate on public elevations in Conservation Areas depending on the specified design proposed. Composite, aluminium and uPVC solutions will never be acceptable on Listed Buildings. Only on non-public elevations in Conservation Areas will uPVC, aluminium or doors from DIY chain stores be acceptable. Doors from DIY chain stores and flush plywood doors with mouldings applied to resemble panelling will not be acceptable substitutes on Listed Buildings or on public elevations in Conservation Areas. Replacement doors with a stained or varnished finish, and those which introduce asymmetrical elements, integral fanlights, inappropriate glazing or panelled patterns, will also be rejected.

The original proportions of doorways and door openings on street frontages must always be retained, and proposals to recess a door either less or more deeply within the door opening will not be supported. Original door ironmongery such as letterboxes, door knockers and handles should be retained and reused if the timber door is being replaced. Where this does not survive, the replacement of modern fittings with items appropriate to the period of the building will be encouraged.

Where the opportunity exists, modern doors which are badly proportioned, or of the wrong type or material, should be replaced with a more appropriate solution.



Historic glass should be reused where this contributes to the character of a building

Colour Palette

As white is the colour of most existing sash and case windows in Aberdeen, this is the colour which new windows will generally require to be in order to encourage uniformity.

This will be particularly important in tenements where the use of a uniform window colour helps give the building an architectural cohesion it may otherwise lack.

Other colours will only be agreed to in exceptional circumstances.

Doors should be painted in an appropriate dark and muted colour, and bright glosses and white paint avoided.



Replacement windows will generally require to be white

7 Inserting New and Blocking Up Old

Applications to insert additional windows in Listed Buildings or in Conservation Areas may be permitted where this does not detract from the character of the building or area.

Location and design are the key considerations for new window openings which should be assessed in the context of the rest of the building and surrounding properties. The blocking up, in whole or in part, of original openings should only occur where the window makes little contribution to the building or area.

In principle the blocking up should be done in materials that relate to the surrounding building and evidence of the opening, such as window surrounds, be retained.

Proposals to increase the glazing area by removing stone or timber mullions which form the divisions in bipartite or tripartite windows will not be supported on Listed Buildings or in Conservation Areas.

The re-opening of blocked windows will be encouraged only where this will reinstate the intended elevational treatment of the building. It will not be permitted in cases where blocking up has taken place during later alterations to the structure and where the earlier window openings consequently no longer relate to present elevational form.

Doors in street frontages, even though no longer used, should always be retained



Example of blocked up windows in Ferryhill

8. Summary Charts - What Could Be Acceptable Where?

The following charts have been produced for general guidance purposes only. Proposals will still require to demonstrate satisfactory detailed designs and implementation methods. The charts should only be read in the context of the advice provided within the rest of this TAN. Any queries should be directed to the Council's Development Management Section.

Windows

	Listed Buildings	Conservation Areas: Public Elevations	Conservation Areas: Non-Public Elevations
Joiner made timber sash and case	✓	✓	✓
Retaining historic or original stained / decorative leaded glass and etched glass	✓	✓	✓
uPVC sash and case 'lookalikes'	X	✓	✓
Through astragals	X	✓	✓
Planted astragals	X	X	✓

Doors and Doorways

	Listed Buildings	Conservation Areas: Public Elevations	Conservation Areas: Non-Public Elevations
Joiner made timber panelled door	✓	✓	✓
Composite Door	X	✓	✓
uPVC / aluminium / DIY chain store door	X	X	✓
Flush (e.g. plywood) doors with mouldings applied	X	X	✓

Examples of window and door designs to avoid on Listed Buildings and on public elevations in Conservation Areas



9. What To Do Next

Applications for Planning Permission and/or Listed Building Consent can be made online via the Scottish Government's e-planning website:

www.eplanning.scotland.gov.uk



Or direct to Aberdeen City Council using the application forms available on our website:

www.aberdeencity.gov.uk/planning_environment

For applications for Planning Permission an application fee will be required. There is no charge for applications for Listed Building Consent, however a fee may be requested to advertise the application in the local press.

Failure to obtain appropriate consents and permissions could result in enforcement action being taken to have unauthorised windows or doors replaced, which may entail considerable costs for the building owner. Unauthorised windows and other works are often identified by conveyancing solicitors and can affect property sales.

In the case of a Listed Building unauthorised work falls under criminal law, and so the person who executes the works, or causes them to be executed, is liable to prosecution or imprisonment in addition to standard enforcement proceedings.

Submission Requirements

Two (2.no) copies of the following scaled drawings will be required for applications for Planning Permission and three (3.no) for Listed Building Consent in addition to the relevant application forms:

1. An OS Plan which clearly identifies the location of the site
2. Plans and detailed elevations of both existing and proposed works.
3. Horizontal and sectional drawings with details at a larger appropriate scale.
4. Details of proposed materials and style of opening.
5. Any other relevant technical information and photographs

In addition, for applications for the replacement of windows/doors on a Listed Building or within a Conservation Area, the following will also be required:

6. A clear statement which sets out a justification for the proposals, including why the works are desirable or necessary.
7. Detailed justification (e.g. a professional survey – for more information refer Appendix 1) to demonstrate to the satisfaction of the Council that the windows/doors to be replaced are beyond economic repair. Within Conservation Areas this will only be required for proposals affecting front elevations or elevations which are visible from public areas.
8. Drawings will normally be required at a scale of 1:1 or 1:2 and should include sections through window head, meeting rails, bottom rail and cill, window jambs and astragals. In addition, an elevation of the window should be provided showing the position of the meeting rails and the arrangement of any astragals.

Sources of Assistance

If your property is a Listed Building or situated within a Conservation Area then you may wish to investigate whether any sources of funding assistance exist:

The Aberdeen City Heritage Trust is a limited company and charity that operates within Aberdeen City. The Trust has its own criteria for determining in what circumstances it may be prepared to offer assistance. Further details can be found on its website www.aberdeenheritage.org.uk or by calling 01224 522755

Historic Scotland also administers a programme of building repair grants throughout Scotland for Listed Buildings of outstanding architectural or historic importance, or key buildings within Conservation Areas. More information is available at www.historic-scotland.gov.uk/grants

10. Glossary

Article 4 Direction: Some types of development do not need planning permission by virtue of permitted development rights. An Article 4 Direction is an order made by Scottish Ministers which suspends (for specified types of development) the general permission granted under the Town and Country (General Permitted Development) (Scotland) Order 1992 (as amended), thereby removing permitted development rights. Article 4 Directions are currently in place in Burnbanks and parts of Kingswells.

Astragal: A glazing bar separating panes of glass within a window.

Conservation Area: Conservation Areas are areas of special architectural or historical interest, the character or appearance of which it is desirable to preserve or enhance. Such areas are designated by the local planning authority. Details of the Conservation Areas in Aberdeen can be found via www.aberdeencity.gov.uk/masterplanning.

Dwellinghouse: For the purposes of this guidance, the term “dwellinghouse” does not include a building containing one or more flats, or a flat contained within such a building

Fenestration: The arrangement / pattern of the windows in a building.

Flat: A separate and self contained residence, which is one of several within a larger building.

Lintel: A structural beam above an opening, such as a window or door,

Listed Building: Working on behalf of Scottish Ministers, Historic Scotland inspectors identify buildings which are worthy of statutory protection. These are ‘Listed Buildings’. The criteria by which the Scottish Ministers define the necessary quality and character under the relevant legislation are broadly; Age and Rarity; Architectural Interest; and Close Historical Association A list of listed building is available from Historic Scotland www.historic-scotland.gov.uk/historicandlistedbuildings.

Listed Building Consent: Although the listing of a building should not be seen as a bar to all future change, strict controls do exist to ensure that works undertaken to Listed Buildings are appropriate. Listed Building Consent is obtained through an application process which is separate from, but runs parallel to, applications for planning permission. This separate regulatory mechanism allows planning authorities to ensure that changes to listed buildings are appropriate and sympathetic to the character of the building.

Material Consideration: Any issue which relates to the use and development of land and is relevant to the planning process.

Mullion: A vertical piece of stone or timber dividing a window into sections.

Permitted Development: A term used for certain types of development which, by satisfying specified conditions, is automatically granted planning permission without the submission of an application to the planning authority. These Permitted Development Rights are removed for Listed Buildings, Conservation Areas, Article 4 areas, and flats.

Planning Authority: The term given to the Council in its role exercising statutory functions under Planning legislation. Authorities have three main planning duties: Development Management (assessing and determining planning applications); Development Planning (preparing, updating and monitoring the authority's Local Plan/Local Development Plan); and Enforcement (seeking to investigate and resolve breaches of planning control)

Sash and Case Window: A window that slides vertically on a system of cords and balanced weights.

Terrace House: A dwellinghouse situated in a row of three or more buildings

Transom: A horizontal glazing bar in a window.

11. Further Reading

- **Aberdeen Local Development Plan**
www.aberdeencity.gov.uk/localdevelopmentplan
- **Conservation Area Appraisals**
www.aberdeencity.gov.uk/masterplanning
- **Historic Scotland - Energy Efficiency Advice**
<http://www.historic-scotland.gov.uk/index/heritage/technicalconservation/energyefficiencyadvice.htm>
- **Historic Scotland - Managing Change in the Historic Environment: Doorways**
<http://www.historic-scotland.gov.uk/index/heritage/policy/managingchange.htm>
- **Historic Scotland - Managing Change in the Historic Environment: Windows**
<http://www.historic-scotland.gov.uk/index/heritage/policy/managingchange.htm>
- **Historic Scotland – Sash & Case Windows: A Short Guide for Homeowners**
<http://www.historic-scotland.gov.uk/maintaining-your-home.pdf>
- **Scottish Historic Environment Policy**
www.historic-scotland.gov.uk/index/heritage/policy/shep.htm

Appendix 1: Professional Survey

National planning policy only allows windows in Listed Buildings to be replaced where there is evidence that they cannot be repaired. It also requires that applications for Listed Building Consent are supported by sufficient information to enable the local planning authority to determine them. This is why we ask for a survey to demonstrate that existing window(s) are beyond repair and need to be replaced. This is in addition to the elevational drawings and sections required. Please note that comprehensive window replacement is unlikely to be justified in all but exceptional circumstances.

What should be in a survey?

The survey should be carried out by a joiner or similar and include each individual window. It should include an image of the whole elevation with the windows numbered and an accompanying proportionate amount of information about the type, age and condition of each window. For a straightforward residential property this could be an annotated photo with the windows numbered and a short description of the window condition. Additional information may be required for a more complex building or where significant historic windows are involved

Appendix 2: Building Control Information

Ventilation

Every apartment must have a window(s) or door(s) with an opening area of at least 1/30th of the floor area of that room. Where the opening area of the existing window is already less than 1/30th of the floor, the opening area of the replacement window must not be less than the original size. If the existing window had an integral trickle ventilator the replacement window must also have an integral trickle ventilator of at least the same size as the original.

Safety from Collision

Windows must not open over footpaths or any place to which the public has access, where they could form a hazard or obstruction.

Safety Glass

Glazing which is less than 800 mm above the floor must be toughened or laminated. Alternatively, a protective barrier could be installed to prevent collision.

Thermal Insulation

Windows must have a U-value (thermal insulation rating) of not more than 1.8 W/m²K. There are many types of window construction which meet the required degree of thermal insulation and this should be confirmed with the window installer.

Protective Barriers

Openable windows to a storey with a floor level of at least 600 mm above the outside ground level, and with a cill height less than 800 mm above floor level, must be provided with a protective barrier to minimise the risk of falling from the window. On the ground and first storeys, the barrier must be not less than 800 mm above the floor level. There must not be any gaps in the barrier which would allow a 100 mm ball to pass through. Alternatively, permanently fixed safety glass may be used instead of a barrier.

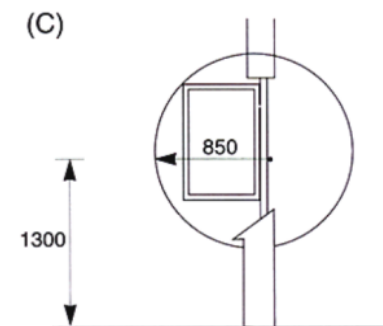
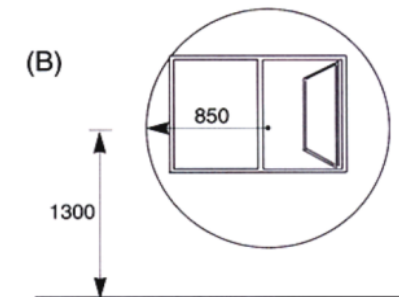
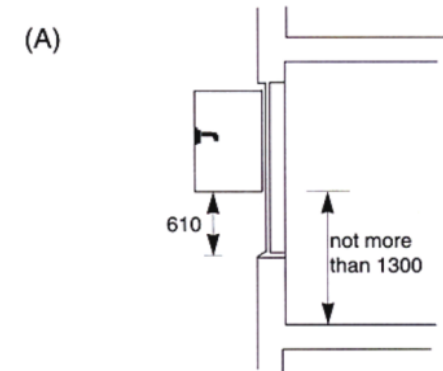
Emergency Escape Windows

An escape window must be provided in every apartment on the first floor of a dwelling. Escape windows must also be provided in rooms on the ground storey where the escape is through another room. Escape windows must have an unobstructed openable area that is at least 0.33 m² and at least 450 mm high and 450 mm wide. The bottom of the openable area must not be more than 1100 mm above the floor except in cases where the existing cill height is greater than 1100 mm.

Safe Cleaning

All windows must be safely cleanable. Windows, all or part of which are more than 4 m above the adjacent ground level must be designed so that any external and internal glazed surfaces can be cleaned safely from inside the building. These windows must be cleanable whilst standing on the floor and without over-reaching. The maximum reach must not exceed that shown in the diagrams over, and the maximum upwards reach is 2150 mm. If parts of the existing window are out with the maximum reach, the replacement window should be of a type which allows those parts to be brought within the safe reach in order to allow safe cleaning.

All dimensions are in mm.



- (A) downwards reach through an opening light
- (B) side reach through an opening light
- (C) reach for cleaning an open window with easy-clean hinges

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For Further Information Please Contact:

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