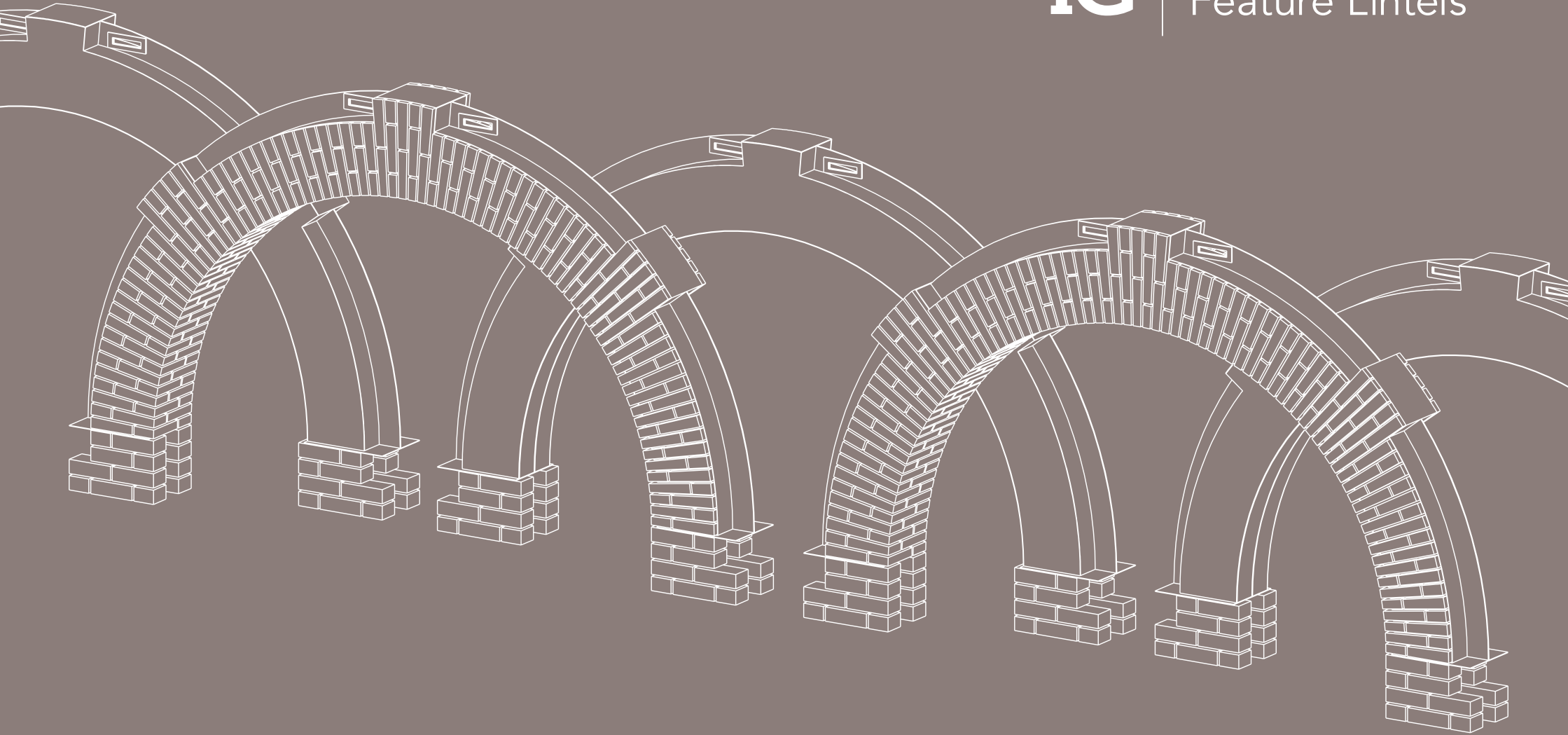




Brick Slip  
Feature Lintels



Custom Made Brick Feature Lintels

[iglintels.com](http://iglintels.com)



Brick Slip  
Feature Lintels

Custom Made Brick Feature Lintels

[iglintels.com](http://iglintels.com)

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**Material Specification**

Pre-galvanised mild steel: BS EN 10346: 2009 DX51D plus triplex corrosion protection of Z600 zinc galvanising and polyester powder coating. Also available in stainless steel on request. Brick: as specified by site.



**Fire Testing**

Having undergone fire resistance testing utilising BS EN 1363-1: 2012, IG Brick Slip Feature Lintels have achieved a two hour fire performance certificate.

During the fire test undertaken by Exova Warrington Fire Research, IG's lintel was judged on its ability to support the applied load and failure was deemed to occur; until either the lintel collapsed or the test load could not be maintained at a constant rate. Failure was also deemed to occur if the brick slips de-bonded from the steel lintel.

The product was tested for 132 minutes in total and the lintel continued to satisfy the test criteria, while the brick slips remained in place and intact throughout the test.



**Patented Mechanical & Chemical Bond**

The patented perforated steel in an IG Brick Slip Feature Lintel allows the adhesive to squeeze through the perforations and form a 'mushroom' on the inside, providing a mechanical and chemical bond between the steel lintel and the bricks.



**Simulated Weathering & Freeze Thaw Cycling Pull Tests**

IG has assessed the performance of the bond between the brick slip and lintel after simulated weathering and freeze thaw cycling. Due to the results of this comprehensive testing, IG was the first manufacturer to be awarded a BBA certificate for bricks bonded to steel lintels.



**Controlled Conditions**

IG Brick Slip Feature Lintels are produced offsite in a factory environment which ensures that the bonding process occurs in optimum controlled conditions free from wet weather, extreme temperature and excessive dust.



**Lucideon Building Technology**

Independent testing carried out by Lucideon has verified that in destructive testing there were no failures in the steel/adhesive interface.

Test Report No. 131830 & Test Report No. SW238/02



BBA Certification for Brick Slip Lintels



BBA Certification for High Performance Adhesive



British Standards Institution ISO 9001



British Standards Institution ISO 14001



With the industry's leading technical support and an extensive product range, IG is equipped with 60 years experience in delivering effective prefabricated solutions.

The IG range addresses the issue of skill shortages onsite, reducing the requirement for specialist trades and facilitating faster build programmes. These products offer builders a unique way to enhance the quality of their brickwork detailing in a highly labour efficient way, supported by IG's renowned customer service and technical support.



### Technical Support

IG has combined experience with innovation to provide advanced offsite solutions to intricate brick detailing. These unique units enable complex brickwork detail to be carried out in a factory controlled environment. Our in-house experts offer a bespoke design service for an extensive range of brick slip installations including arches, panels, soffits and other architectural features. By contacting our engineers at an early stage of your design process, you will potentially gain significantly more design flexibility on the overall project.

Our technical engineers offer onsite measurement and technical assistance. Please send your drawings to: [info@iglintels.com](mailto:info@iglintels.com)

Please refer to our Design Data Sheet on page 17 for detailed measuring advice.

### Delivery

IG's fast, efficient delivery service is renowned throughout the construction industry. Our logistics solution is recognised by our customers for superior supply chain management.

IG continues to deliver special and bespoke brick slip products with the shortest lead times in the industry. The IG manufacturing and delivery service for Brick Slip Feature Lintels is agreed at the point of ordering, based on the availability of bricks, which may differ according to stock. IG products are available through a national network of merchant suppliers.

IG provides a hassle free service from enquiry stage through to delivery onsite. You can relax in the knowledge that your order is in the hands of experts.

- 1 Brick Slip Bullseye Lintel
- 2 Bullseye Lintel in production
- 3 Final pointing of Gothic Brick Slip Feature Arches
- 4 Bespoke Brick Slip Feature Arch Lintel



**Brick Slip Feature Lintels**

IG provides a technically advanced solution for an extensive range of architectural features including arches, panels and soffits.

Produced offsite as a one piece prefabricated unit, the patented IG system ensures maximum performance thanks to the unique adhesion process.

IG receives a consignment of free issue brick being used onsite. This brick is then cut to suit the client's design and fixed to the lintel. The finished Brick Slip Feature Lintel joins seamlessly with surrounding brickwork.

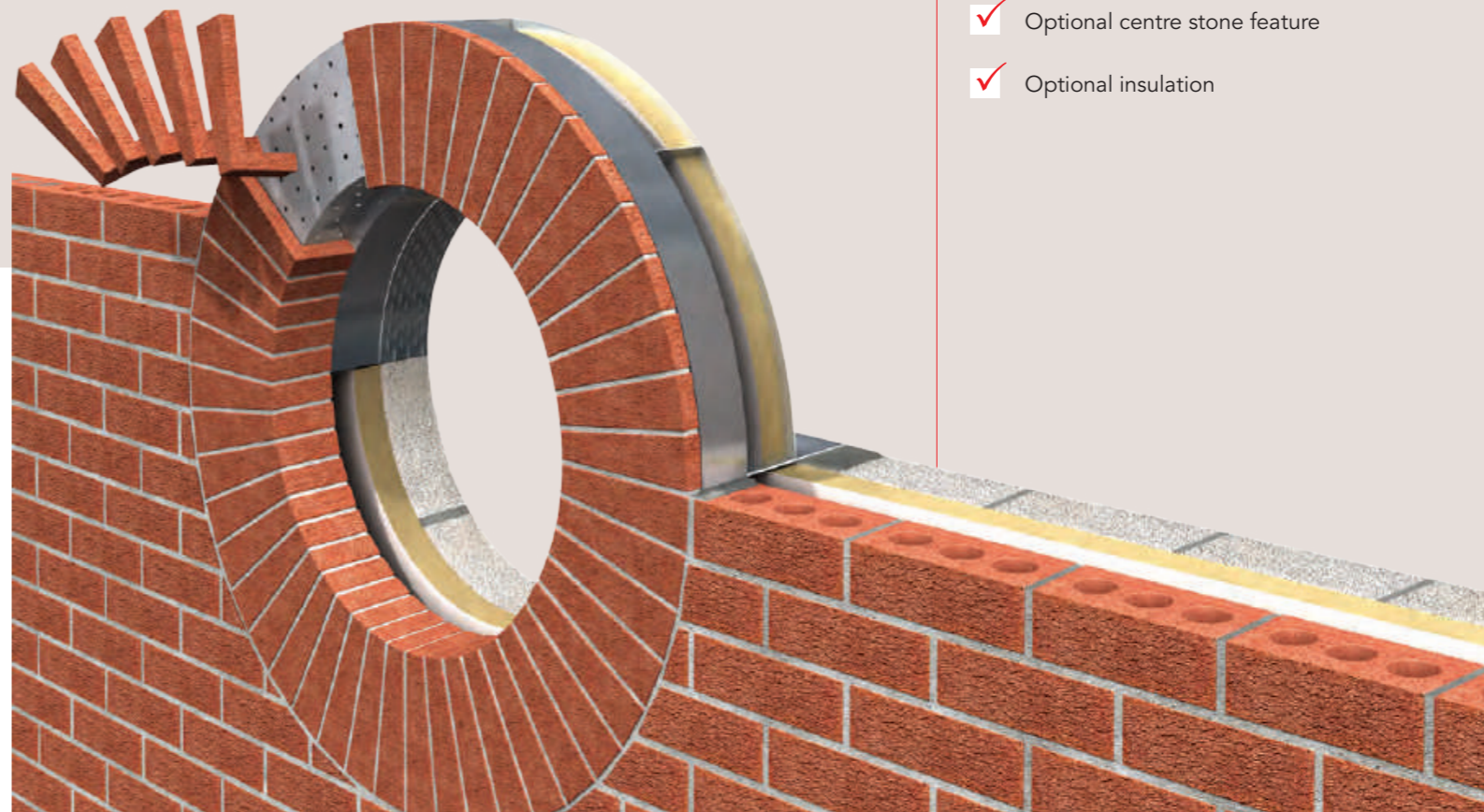
Every Brick Slip Feature Lintel is manufactured bespoke to order, ensuring that each individual unit is customised to the unique size, shape and aesthetic requirements of the project.

With optional return soffit, centre stone feature and insulation, the builder is able to specify each brick feature requirement through their local builders' merchant and IG's free Brick Slip Feature Lintel design service.

- 1 Bespoke Brick Slip Arch Lintel in production
- 2 Brick Slip Bullseye Lintel in production

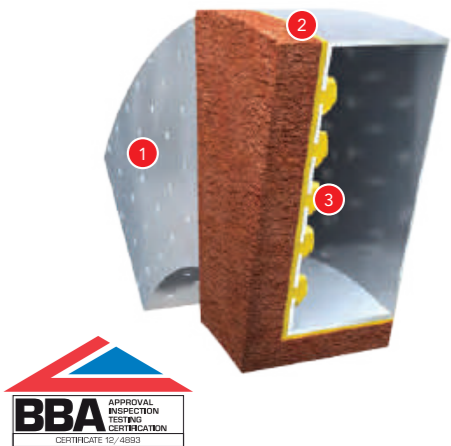


IG develops another industry first, a unique Brick Slip Feature Lintel system which enables complex brickwork detail to be carried out in a controlled factory environment.



**Brick Slip Feature Lintel Benefits**

- ✓ Customised to your requirements
- ✓ Precision cut bricks
- ✓ Load bearing lintel
- ✓ Lightweight for fast build programmes
- ✓ Optional brick clad soffit
- ✓ Optional centre stone feature
- ✓ Optional insulation



**Patented System**

Mechanical & Chemical Bond

The patented perforated steel in an IG Brick Slip Feature Lintel allows the adhesive to squeeze through the perforations and form a 'mushroom' on the inside, providing a mechanical and chemical bond between the steel lintel and the bricks.

- 1 Perforated design allows the adhesive to pass through the steelwork
- 2 Brick Slips are bedded in a high performance BBA approved adhesive (see BBA certificate number above)
- 3 The adhesive 'mushrooms' to form a mechanical lock on the inner side of the steel

IG leads the way with innovative Brick Feature products supported by an industry leading design service and fully comprehensive technical support.



IG Brick Slip Feature Lintels

IG's Brick Slip product range offers unique brick feature products which enable complex brickwork detail to be carried out in a controlled factory environment.

The IG Brick Slip product range consists of Brick Slip Feature Lintels and Lightweight Brick Headers and Sills.



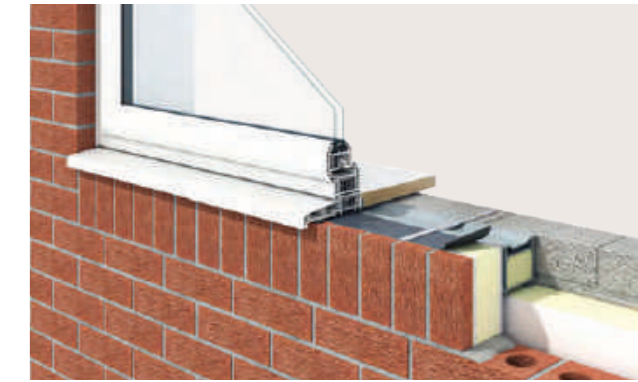
Brick Slip Feature Lintels 10

Brick Slip Feature Lintels offer a unique addition to IG's brickwork support systems. This one piece unit arrives onsite with the bricks, which have been collected from site, bonded to the load bearing lintel. This eliminates the need for a specialist brickwork contractor spending hours onsite, cutting bricks to suit complex brick details.



Lightweight Brick Headers 18

Lightweight Brick Headers are installed on the outer leaf of a standard lintel. These lightweight products are manufactured offsite negating the need for brick cutting or mechanical handling onsite. Bricks are collected from site to ensure that the product blends seamlessly with traditionally laid brickwork.



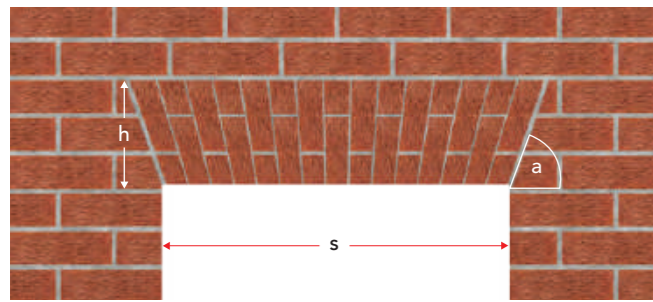
Lightweight Brick Sills 21

A perfect addition to Lightweight Brick Headers are Lightweight Brick Sills. Also manufactured offsite, these sills are positioned underneath the window sill, supported by the wall below. Lightweight Brick Sills are delivered to site with bricks bonded ready for final pointing and are tied back to inner leaf blockwork for added stability.

Example

|                   |                          |
|-------------------|--------------------------|
| SPECIFICATION     | BRICK FEATURE HEIGHT (h) |
| <b>BFLFG/S100</b> | <b>215mm HIGH</b>        |
| CLEAR SPAN (s)    | SKEW (a)                 |
| <b>1200mm</b>     | <b>70° SKEW</b>          |

Feature



h = BRICK FEATURE HEIGHT s = CLEAR SPAN OPENING a = SKEW

How to specify

| BFLFG/S100 |                    |
|------------|--------------------|
| BFL/S      | Standard Loading   |
| BFL/HD     | Heavy Duty Loading |
| FG         | Flat Gauge Arch    |
| 100        | 90-105mm Cavity    |

# BFLFG/S100

Flat Gauge Arch

Cavity Wall Range



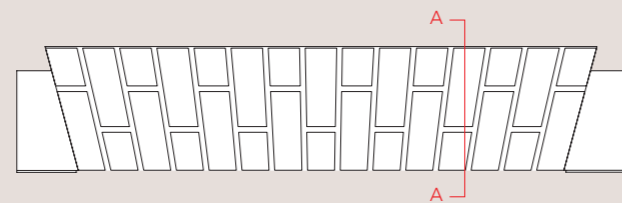
## BFLFG/S100

### Cavity Wall Flat Gauge Arch

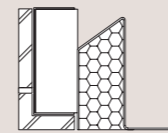
An IG Flat Arch BSFL comprises of a standard cavity wall lintel and a modified box section that allows brick to be fixed to the front face. This design can incorporate 1 brick, 1½ brick or a 2 brick soldier course and optional return soffit.

Specification

For standard loading conditions specify BFLFG/S100 to suit 100mm cavity. Also available for wider cavities and wide inner leaf. Material specifications can be found on page 03.



Elevation View



Section A - A

# BFLFG/L11

Flat Gauge Arch

Single Leaf Range



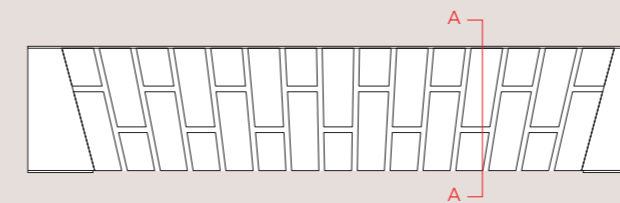
## BFLFG/L11

### Single Leaf Flat Gauge Arch

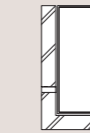
An IG Flat Arch BSFL comprises of a modified box section that allows brick to be fixed to the front face. This design can incorporate 1 brick, 1½ brick or a 2 brick soldier course and optional return soffit.

Specification

For standard loading conditions specify BFLFG/L11. For other loading conditions contact our Technical Department. Material specifications can be found on page 03.



Elevation View

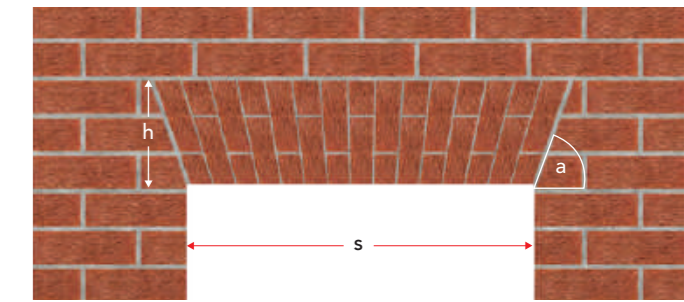


Section A - A

Example

|                  |                          |
|------------------|--------------------------|
| SPECIFICATION    | BRICK FEATURE HEIGHT (h) |
| <b>BFLFG/L11</b> | <b>215mm HIGH</b>        |
| CLEAR SPAN (s)   | SKEW (a)                 |
| <b>1200mm</b>    | <b>70° SKEW</b>          |

Feature



h = BRICK FEATURE HEIGHT s = CLEAR SPAN OPENING a = SKEW

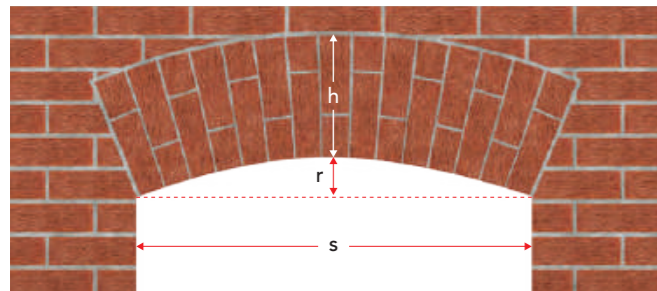
How to specify

| BFLFG/L11 |                    |
|-----------|--------------------|
| BFL/L     | Standard Loading   |
| BFL/HD    | Heavy Duty Loading |
| FG        | Flat Gauge Arch    |
| L11       | Single Leaf        |

Example

|                   |                          |
|-------------------|--------------------------|
| SPECIFICATION     | BRICK FEATURE HEIGHT (h) |
| <b>BFLSA/S100</b> | <b>290mm HIGH</b>        |
| CLEAR SPAN (s)    | RISE (r)                 |
| <b>1200mm</b>     | <b>75mm</b>              |

Feature



h = BRICK FEATURE HEIGHT    r = RISE    s = CLEAR SPAN OPENING

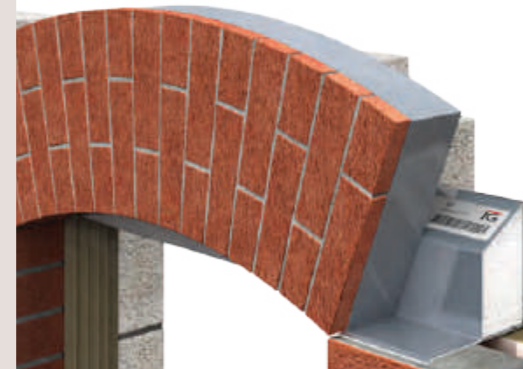
How to specify

| BFLSA/S100 |                    |
|------------|--------------------|
| BFL/S      | Standard Loading   |
| BFL/HD     | Heavy Duty Loading |
| SA         | Segmental Arch     |
| 100        | 90-105mm Cavity    |

# BFLSA/S100

Segmental Arch

Cavity Wall Range



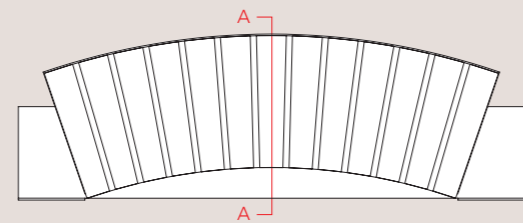
## BFLSA/S100

### Cavity Wall Outer Leaf Segmental Arch

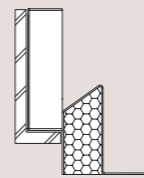
An IG Segmental Arch Brick Slip Feature Lintel comprises of a standard profile lintel with a steel box frame on the outer flange. The lintel is insulated in the cavity and spans from inner to outer leaf. This design can incorporate 1 brick, 1½ brick or a 2 brick soldier course (optional return soffit).

Specification

For standard loading conditions specify BFLSA/S100 to suit 100mm. Also available for wider cavities and wide inner leaf. Material specifications can be found on page 03.



Elevation View



Section A - A

# BFLSA/L11

Segmental Arch

Single Leaf Range



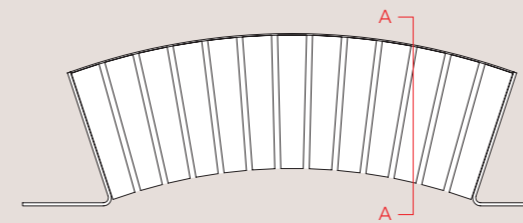
## BFLSA/L11

### Single Leaf Segmental Arch

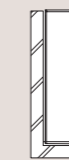
An IG Segmental Arch Brick Slip Feature Lintel comprises of a single leaf curved box section. This design can incorporate 1 brick, 1½ brick or a 2 brick soldier course (optional return soffit).

Specification

For standard loading conditions specify BFLSA/L11. For other loading conditions contact our Technical Department. Material specifications can be found on page 03.



Elevation View

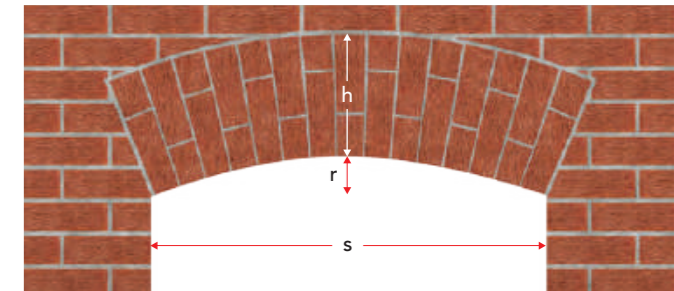


Section A - A

Example

|                  |                          |
|------------------|--------------------------|
| SPECIFICATION    | BRICK FEATURE HEIGHT (h) |
| <b>BFLSA/L11</b> | <b>290mm HIGH</b>        |
| CLEAR SPAN (s)   | RISE (r)                 |
| <b>1200mm</b>    | <b>75mm</b>              |

Feature



h = BRICK FEATURE HEIGHT    r = RISE    s = CLEAR SPAN OPENING

How to specify

| BFLSA/L11 |                    |
|-----------|--------------------|
| BFL/L     | Standard Loading   |
| BFL/HD    | Heavy Duty Loading |
| SA        | Segmental Arch     |
| L11       | Single Leaf        |



## Gothic Arch

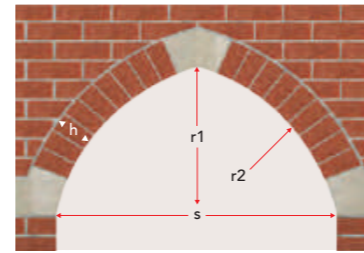
An IG Gothic Arch BSFL is a modified Gothic Arch Lintel with a box section on the outer leaf. The lintel is insulated in the cavity and spans from inner to outer leaf. This design can incorporate 1 brick, 1½ brick or a 2 brick soldier course along with stone.



Isometric view showing IG's Gothic Arch BSFL. Upon request the box frame, which the bricks are fixed to, will stop short of the end bearing of the lintel. This allows quoin stones to be placed into position onsite.



View showing the underside of IG's Gothic Arch BSFL. This illustrates how the brickwork returns under the soffit of the lintel to ensure no steelwork is visible on the outer leaf.



Front elevation notes the essential measurements required to specify the Gothic Arch BSFL.

- h** = BRICK FEATURE HEIGHT
- r1** = RISE
- r2** = RADIUS
- s** = CLEAR SPAN OPENING

## Parabolic Arch

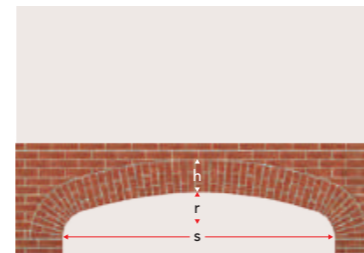
An IG Parabolic Arch BSFL is a modified Parabolic Arch Lintel with a box section on the outer leaf. The lintel is insulated in the cavity and spans from inner to outer leaf. This design can incorporate 1 brick, 1½ brick or a 2 brick soldier course.



Isometric view showing IG's Parabolic Arch BSFL with cut brick omitted to illustrate the detail behind the brick.



View showing the underside of IG's Parabolic Arch BSFL. This illustrates how the brickwork returns under the soffit of the lintel to ensure no steelwork is visible on the outer leaf.

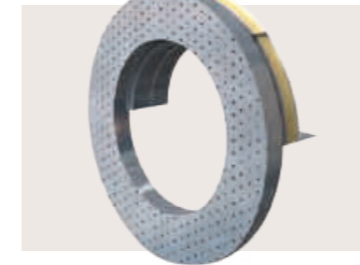


Front elevation notes the essential measurements required to specify the Parabolic Arch BSFL.

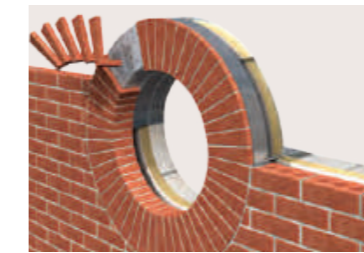
- h** = BRICK FEATURE HEIGHT
- r** = RISE
- s** = CLEAR SPAN OPENING

## Bullseye

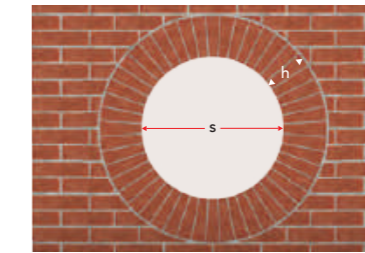
An IG Bullseye BSFL is a modified arch lintel with a circular box section on the outer leaf. This design can incorporate 1 brick, 1½ brick or a 2 brick soldier course.



Isometric view showing IG's Bullseye BSFL before IG fix the cut bricks to the unit.



View showing IG's Full Bullseye BSFL with cut brick omitted to illustrate the detail behind the brick.



Front elevation notes the essential measurements required to specify the Bullseye BSFL.

- h** = BRICK FEATURE HEIGHT
- s** = CLEAR SPAN OPENING

## Apex

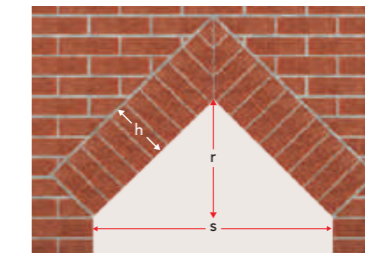
An IG Apex BSFL is a Special Apex Lintel with a box section on the outer leaf. The lintel is insulated in the cavity and spans from inner to outer leaf. This design can incorporate 1 brick, 1½ brick or a 2 brick soldier course.



Isometric view showing IG's Apex BSFL.



View showing the underside of IG's Apex BSFL. This illustrates how the brickwork returns under the soffit of the lintel to ensure no steelwork is visible on the outer leaf.



Front elevation notes the essential measurements required to specify the Apex BSFL.

- h** = BRICK FEATURE HEIGHT
- r** = RISE
- s** = CLEAR SPAN OPENING

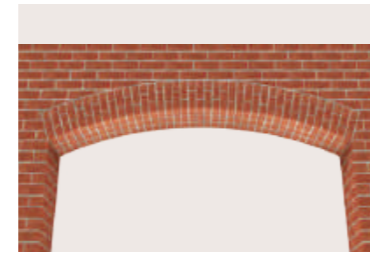
## Brick Feature Lintels Range

### Full Brick Soffit Segmental Arch

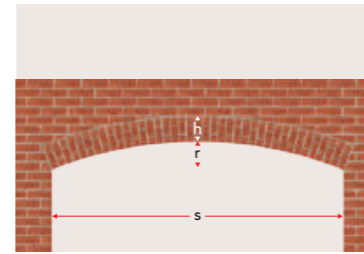
An IG cavity wall Segmental Arch BSFL is a modified Segmental Arch Lintel with a box section on the outer leaf. The lintel is insulated in the cavity and spans from inner to outer leaf. This design can incorporate 1 brick, 1½ brick or a 2 brick soldier course.



Isometric view showing IG's Segmental Arch BSFL.



View showing the underside of IG's Segmental Arch BSFL. This illustrates how the brickwork returns under the soffit of the lintel to ensure no steelwork is visible on the outer leaf.



Front elevation notes the essential measurements required to specify the Segmental Arch BSFL.

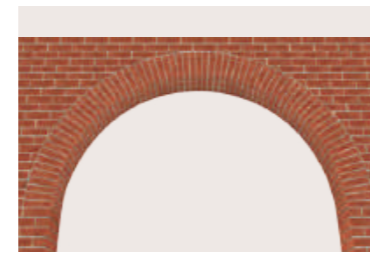
**h** = BRICK FEATURE HEIGHT  
**r** = RISE  
**s** = CLEAR SPAN OPENING

### Semi Circular Arch

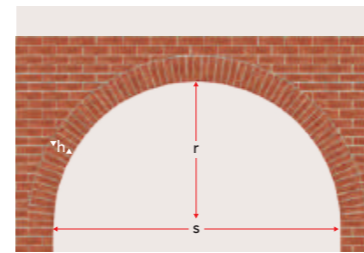
An IG Semi Circular Arch BSFL is a modified Semi Circular Arch Lintel with a box section on the outer leaf. The lintel is insulated in the cavity and spans from inner to outer leaf. This design can incorporate 1 brick, 1½ brick or a 2 brick soldier course.



Isometric view showing IG's Semi Circular Arch BSFL.



View showing the underside of IG's Semi Circular Arch BSFL. This illustrates how the brickwork returns under the soffit of the lintel to ensure no steelwork is visible on the outer leaf.



Front elevation notes the essential measurements required to specify the Semi Circular Arch BSFL.

**h** = BRICK FEATURE HEIGHT  
**r** = RISE  
**s** = CLEAR SPAN OPENING

## Design Data Sheet

|    |                          |   |  |  |
|----|--------------------------|---|--|--|
| 1  | Brick Type & Dimensions  |   |  |  |
| 2  | Width of Joint           | mm  |  |  |
| 3  | Shape of Brick Arch      | <input type="checkbox"/> Bullseye   | <input type="checkbox"/> Full Arch         | <input type="checkbox"/> Gothic Arch       |
|    |                          | <input type="checkbox"/> Parabolic Arch   | <input type="checkbox"/> Segmental Arch    | <input type="checkbox"/> Flat Gauge        |
| 4  | Type of Brick Arch       | <input type="checkbox"/> Single Leaf Lintel with Brick Arch <input type="checkbox"/> Cavity Wall Lintel with Brick Arch |  |  |
| 5  | Soffit Type              | <input type="checkbox"/> Non-return Soffit  | <input type="checkbox"/> Return Soffit     | <input type="checkbox"/> Other Detail      |
|    |                          |   |  |  |
| 6  | Angle of Skew (a)        |   |  |  |
| 7  | Brick Feature Height (h) | <input type="checkbox"/> 1 Brick  | <input type="checkbox"/> 1½ Bricks         | <input type="checkbox"/> Other             |
| 8  | Clear Span Opening (s)   | mm  |  |  |
| 9  | Rise (r)                 | mm  |  |  |
| 10 | Centrestone Type         | <input type="checkbox"/> Not required   | <input type="checkbox"/> Brick Centrestone | <input type="checkbox"/> Stone Centrestone |
|    |                          | <input type="checkbox"/> Projecting TOP   | <input type="checkbox"/> Projecting FRONT  | <input type="checkbox"/> Projecting BOTTOM |
|    |                          |   |  |  |
|    |                          | Distance (t) mm   | Distance (f) mm                            | Distance (b) mm                            |
| 11 | Quoin Stone Type         | <input type="checkbox"/> Required   | <input type="checkbox"/> Not Required      |  |
| 12 | Quantity Required        | No.   |  |  |

Please complete all details and submit to [sales@iglintels.com](mailto:sales@iglintels.com)

Name

Company

Tel

Mob

Email

Job Ref

Please forward any relevant architect's or structural engineer's drawings to aid us in the preparation of your quotation.

Technical Service Team

**01633 486 486**

IG Lightweight Brick Headers are one piece prefabricated units, manufactured offsite for quick and easy installation.



## The Lightweight Solution

for achieving seamless Brick Headers & Sills



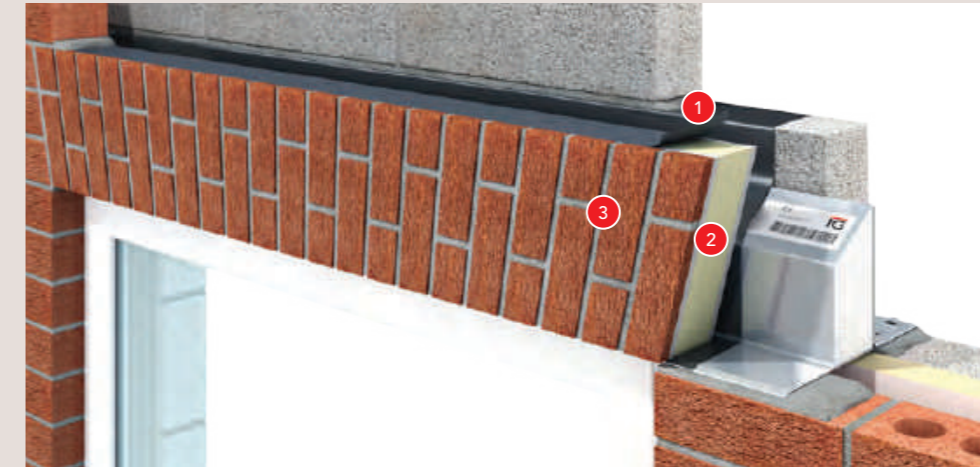
Installed above a standard lintel, IG's Lightweight Brick Headers sit on the outer leaf of a lintel, without compromising the structural support of the brickwork above.

Manufactured to bespoke specification, Lightweight Brick Headers can accommodate various head heights. The units are delivered to site complete with bricks bonded, ready for final pointing. These lightweight units can be lifted into place with ease, saving time on installation and the need for specialist trades. IG receives a consignment of free issue brick being used onsite to ensure that the products blend seamlessly with the surrounding brickwork.

Brick Slips are bonded to 70mm backing panels using a high performance BBA approved construction adhesive. The backing consists of cement fibre boards with insulation between, providing a lightweight material base.

The unit is then covered with a waterproof membrane to protect against moisture when stored onsite.

## Lightweight Brick Headers & Sills



### Specification

## LFGH

### Lightweight Flat Gauge Headers

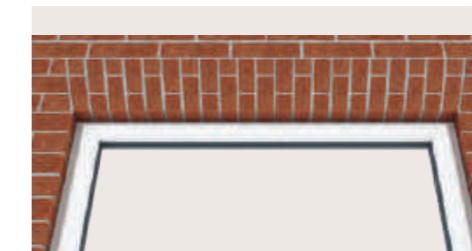
IG's Lightweight Flat Gauge can incorporate 1 brick, 1½ brick or a 2 brick soldier course.

- 1 Unit edges protected with waterproof membrane
- 2 70mm thick insulated cement fibre board
- 3 25mm thick facing brick slip

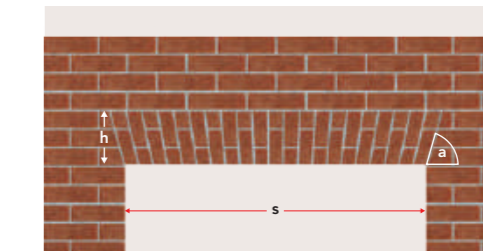
IG's lightweight products enable complex brickwork detail to be carried out in a controlled factory environment.



Isometric view showing IG Lightweight Flat Gauge Header.



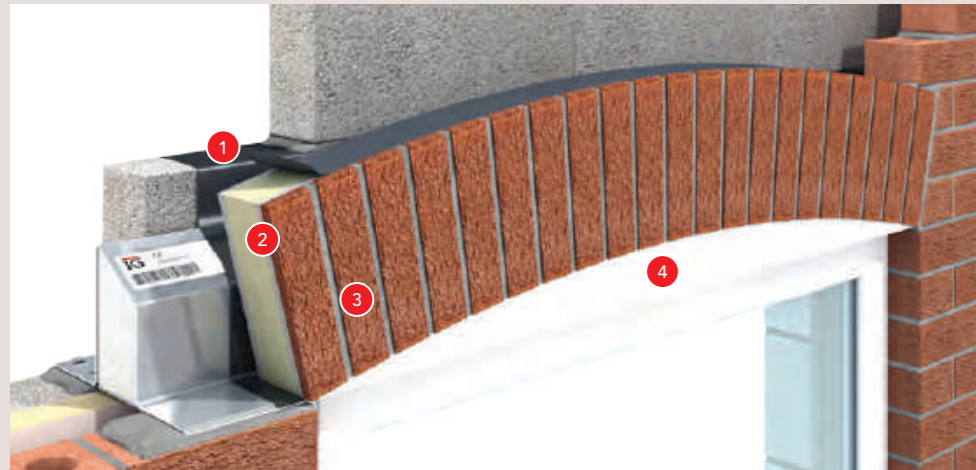
View showing the underside of IG Lightweight Flat Gauge Header.



Front elevation notes the essential measurements required to specify the Lightweight Flat Gauge Header.

- h = BRICK HEIGHT
- a = SKEW
- s = CLEAR SPAN OPENING

An IG Flat Gauge Header is installed above a standard cavity lintel, without compromising the structural support of the brickwork above. This design can incorporate 1 brick, 1½ brick or a 2 brick soldier course.



Specification

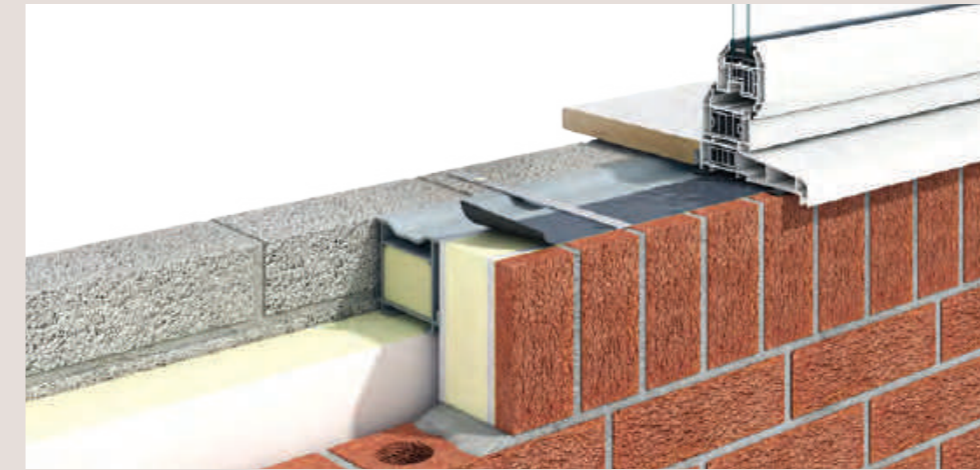
## LSAH

### Lightweight Segmental Arch Headers

The Brick Slip Lightweight Segmental Arch Header can incorporate 1 brick, 1½ brick or 2 brick soldier course.

- 1 Unit edges protected with waterproof membrane
- 2 70mm thick insulated cement fibre board
- 3 25mm thick facing brick slip
- 4 IG Universal White PVC Arch

IG's lightweight products enable complex brickwork detail to be carried out in a controlled factory environment.



Specification

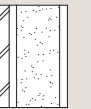
## LWBS

### Lightweight Brick Sills

IG's prefabricated, Lightweight Brick Sills are manufactured offsite and delivered complete with bricks bonded for final pointing. To ensure continuity of the precision cut bricks, IG collects a consignment of brick being used onsite. Quick and easy to install, these units save time onsite and offer cost savings in comparison to traditional methods.

(Specify LWBS to suit 100mm wide wall)

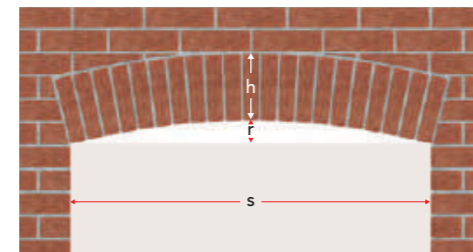
Elevation View



Isometric view showing an IG Lightweight Segmental Arch Header.



View showing the underside of an IG Lightweight Segmental Arch Header.



Front elevation notes the essential measurements required to specify the Lightweight Segmental Arch Header.

- h = BRICK HEIGHT
- r = RISE
- s = CLEAR SPAN OPENING

The IG Segmental Arch Header is installed above a standard cavity lintel, without compromising the structural support of the brickwork above. This design can incorporate 1 brick, 1½ brick or a 2 brick soldier course.



## The Cost Saving Solution

for achieving seamless Brick Headers & Sills

IG Lightweight Headers and Sills benefit from the quality associated with offsite manufacturing.

The units are delivered as one piece, ready for final pointing, therefore offering a reduction in skilled onsite labour and subsequent significant cost savings. Installation time is reduced compared with traditional methods therefore Brick Slip products are suitable for fast build programmes.



- 24 Whyte Gates
- 26 Highgrove House Type
- 28 Potters Hill
- 30 Premier Inn, Farnham
- 32 Tall Trees
- 34 Blenheim House Type



- 36 Cheswick Place, Birmingham
- 38 Warren Close
- 40 Maxwell Road, Dublin
- 42 Corbelled Arch Brick Feature Lintel
- 43 Tesco 9m Span Arch Brick Feature Lintel



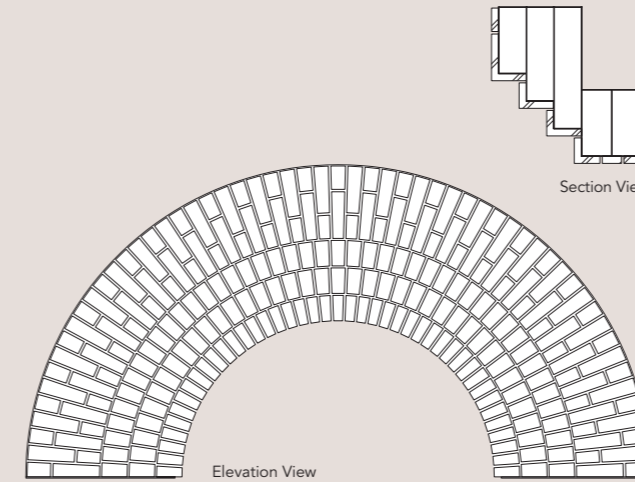
## Description

Whyte Gates is an elegant 6 bedroom, 3 storey property, exhibiting features reminiscent of the arts and crafts movement. This project was a replacement dwelling constructed with high quality materials and significant attention to detail throughout.

The original family home was demolished, providing a blank canvas for Stephen Langer Architects.

## Challenge

Ascent Building Ltd was assigned with delivering the architect's vision. The intricate brick detailing specified around the openings would require a great deal of skilled labour and brick cutting onsite if constructed using traditional methods. This would have been a time consuming task and required a high level of accuracy to ensure consistency across the site.



## Solution

IG Brick Slip Feature Lintels offered an offsite solution which would achieve the decorative elements across the dwelling's exterior façade. Manufactured bespoke to order, these brick feature components included a 2.4m span Corbelled Arch which defined the porch entrance to the property. This single piece unit saved Ascent Building significant installation time.



The level of quality control which could be achieved with these products was a major advantage for the architect as all the brick cutting and bonding took place in a controlled environment, free from wet weather, extreme temperature and excessive dust. IG collected a consignment of the brick being used onsite. The brick feature units were delivered to site with bricks bonded, ready for installation and final pointing. This ensured that the arch blended seamlessly with the surrounding brickwork.

IG also supplied a range of other brick feature components including Flat Gauge Arches, Full Arch Lintels and Bullseye Lintels, all of which were manufactured bespoke to create the elaborate brick features on this stunning home.

- 1 Elegant 3 storey property featuring IG brick products
- 2 Intricate brick arch detailing
- 3 Finished lintels blend seamlessly with brickwork



## Description

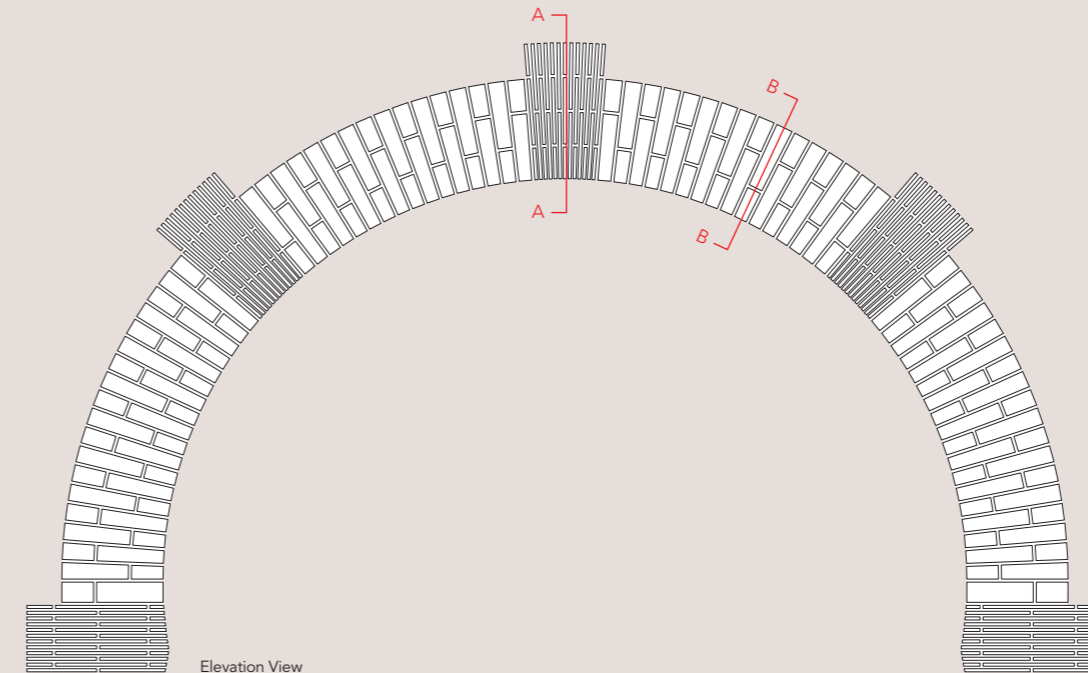
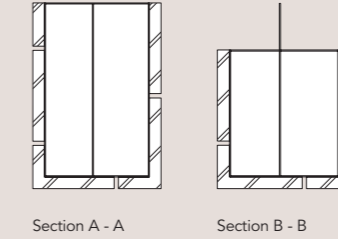
Redrow strives to be at the forefront of design and innovation. Redrow's Highgrove house type forms part of the heritage collection, capturing a traditional appearance with modern influence. The Highgrove house design is featured across Redrow Homes nationwide.

A luxurious porch entrance with intricate brick detail provides a focal point at the front façade of the property. The red brick arch, in contrast to the soft white render, creates a striking effect. Consistency and quality is essential when replicating this detail across numerous sites.

## Challenge

The original specification included a concrete backed arch to achieve the brickwork required for the porch. This brought with it a number of health and safety issues. Each porch required the use of a tripod which had to be erected to offer support while the arch was being constructed and dismantled after each installation.

- 1 Luxurious brick porch entrance
- 2 IG's offsite product negated the need for brick cutting onsite



## Solution

IG introduced Redrow Homes to a Brick Slip Feature Arch solution which would considerably reduce health and safety issues onsite and offer considerable time saving. Each bespoke Brick Slip Feature Lintel was produced in a factory environment and delivered to site in one unit with bricks attached for final pointing. IG's prefabricated solution offered speed of construction while also reducing the need for specialist trades onsite.

The finished product was 70% lighter than the concrete equivalent. IG's offsite product enabled consistency with each product produced in a strict, quality controlled environment.

Description

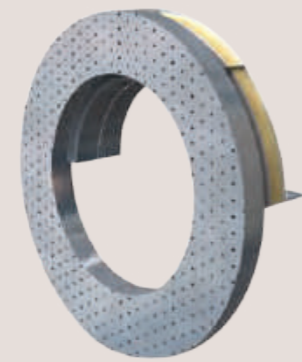
Potters Hill is an elegant red brick property of traditional influence. The project includes a variety of brickwork detailing across a range of openings. A combination of segmental, flat gauge and soldier course patterns are featured throughout the dwelling, all of which were achieved using IG's bespoke brick feature range.

Ascent Building Ltd utilised modern building methods to achieve the traditional architectural style. Accommodating multiple bond patterns, IG's Brick Slip Feature Lintel range complemented the distinct character of the dwelling, demonstrating the effective integration of modern building techniques.

Challenge

The project featured intricate brick detail over a number of openings with various bond patterns throughout the property's exterior façade.

Traditional building techniques would have been time consuming and required specialist skilled labour and brick cutting onsite. A concrete backed option would bring with it the health and safety issues associated with this heavier building technique.



Isometric view showing IG's Bullseye BSFL before IG fix the cut bricks to the unit.



1 Exterior view of the property

2 Finished lintels blend seamlessly with the brickwork façade

3 Exterior rear view of the property



3



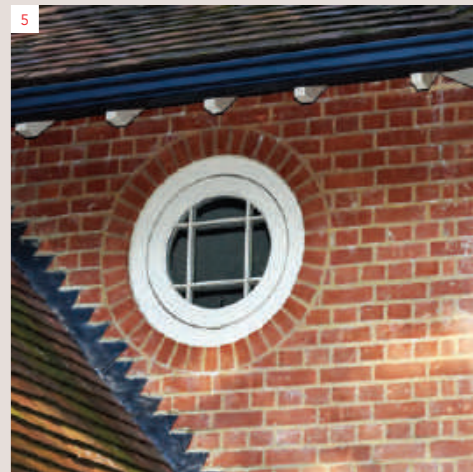
4 Elegant red brick property featuring IG brick detail products

5 Full Bullseye Arch

Solution

IG's Brick Slip Feature Lintel range offered the perfect solution to streamline the process and could accommodate a number of shapes and bond patterns. IG collected a consignment of the bricks being used onsite and tailored them to suit the house design. The bricks were bonded to the load bearing lintel in a factory environment ensuring that the process occurred in optimum controlled conditions, free from wet weather, extreme temperature and excessive dust.

The finished products were delivered as one piece units ready for final pointing and blended seamlessly with surrounding brickwork.



5



### Description

Premier Inn is one of the largest hotel chains in the UK, having recently expanded in the South East with a new 60 bedroom hotel in Farnham, Surrey.

The project required a large span Corbelled Brick Segmental Arch over the entrance. IG's technical team visited the site and designed a bespoke prefabricated solution.

### Challenge

The main challenges were the sheer scale of the arch and the speed of construction required for this fast build programme.

To create the arch onsite would require specialist skilled labour as well as brick cutting onsite. This would also create health and safety issues associated with working at height.

An offsite solution would eliminate these health and safety issues and facilitate a fast build programme.

- 1 IG developed a bespoke Brick Slip Feature Lintel to accommodate the 6.2m span arch
- 2 IG's Brick Slip Feature Lintels over all openings blended seamlessly with the surrounding brickwork
- 3 Perforated arch lintels ready to have bricks bonded
- 4 Bricks bonded to perforated arch



### Solution

IG's design team developed a bespoke 6.2m span Brick Feature Arch. IG received a consignment of the brick being used onsite to ensure seamless integration with the rest of the exterior brickwork. The bricks were cut into slips and bonded to the structural steel lintel using a BBA approved construction adhesive. This offsite technology ensures quality control as the process is not subject to adverse weather conditions.

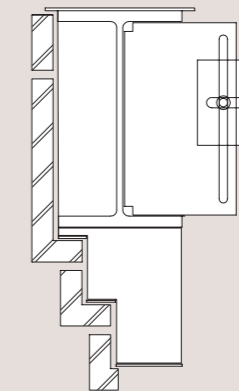
The Brick Slip Feature Corbelled Arch was delivered as a one piece unit and lifted into place using a crane, which reduced the need for working at heights, facilitating a safer build programme. Installation was quick and easy, saving the contractor significant time onsite and the need for specialist trades.

The finished arch blends seamlessly with the rest of the brickwork and creates a distinct feature above the hotel entrance.

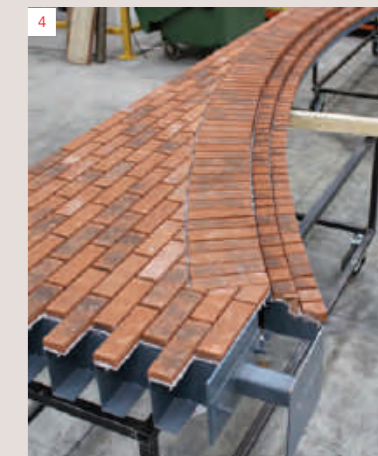


It would have been a time consuming task to construct the corbelled arch onsite. IG streamlined the process with their offsite solution. It really suited the pace of construction and looked great.

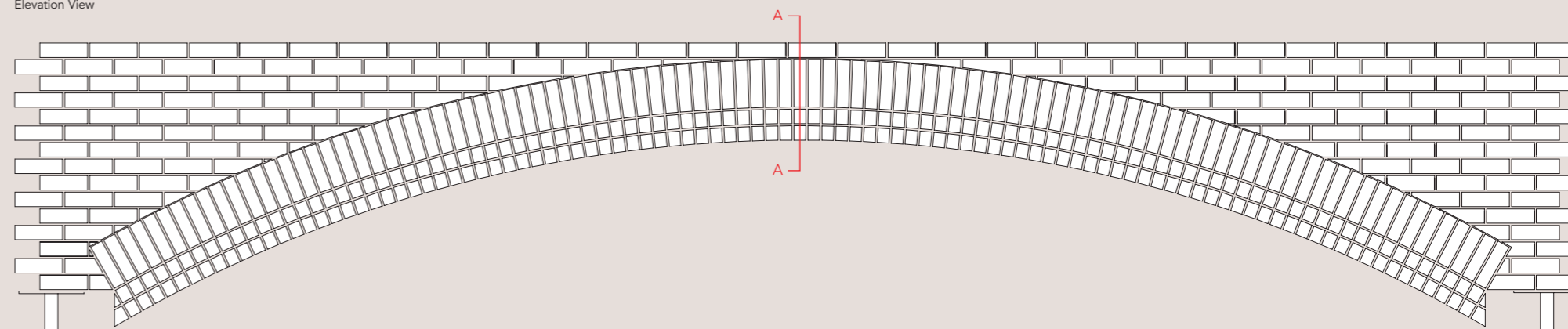
Troy Sanders - Gilbert Ash



Section A - A



Elevation View





Description

Tall Trees is a residential development in Kent. The complexity of the brick detailing within the architect's plans presented a significant challenge.

The project specified a range of brick features over a variety of opening shapes and sizes. One of the most striking features is a unique arch over the front porch with brick on three sides.

- 1 IG Brick Slip products feature across all openings
- 2 The porch entrance required a Brick Slip Feature Arch Lintel with brick on three sides
- 3 Two Bullseyes create a unique feature on the side elevation of the property
- 4 The underside of the intricate arch detailing on the main porch



Challenge

The variety of shapes and sizes of the brick features provided a challenge. If constructed onsite, the intricate brickwork at Tall Trees would have been extremely labour intensive using traditional methods.

The level of detail would have required skilled specialist labour onsite and working at heights. Onsite traditional methods can also be subject to delays due to adverse weather conditions.

Solution

IG's technical department specified a number of pre-fabricated Brick Slip Feature Arches and Lintels to varied specifications, incorporating specially manufactured Brick Mullions, Heads and Bullseye Brick Feature Lintels.

The porch entrance required a Brick Slip Feature Arch with brick on three sides. All of the brick slip products were manufactured in a controlled factory environment.

The offsite manufacture of these bespoke solutions ensured optimum conditions for the bonding process and offered a level of quality and detail which would be much more difficult to achieve if produced onsite.

## Description

The 'Blenheim' is a popular nationwide house type developed by Redrow Homes, one of the UK's leading house builders. These red brick properties incorporate a distinctive brick arch over the entrance porch.



## Challenge

The Blenheim house type features across many Redrow developments throughout the UK. Speed of construction was an important consideration. Consistency would create a big challenge due to the number of different locations across the country on which this house type would be replicated.

The level of detail required for the arch would have been time consuming to create onsite and it would be difficult to ensure each porch was identical if they were being constructed by different brickwork specialists. A concrete backed option is heavy and brings health and safety risks.

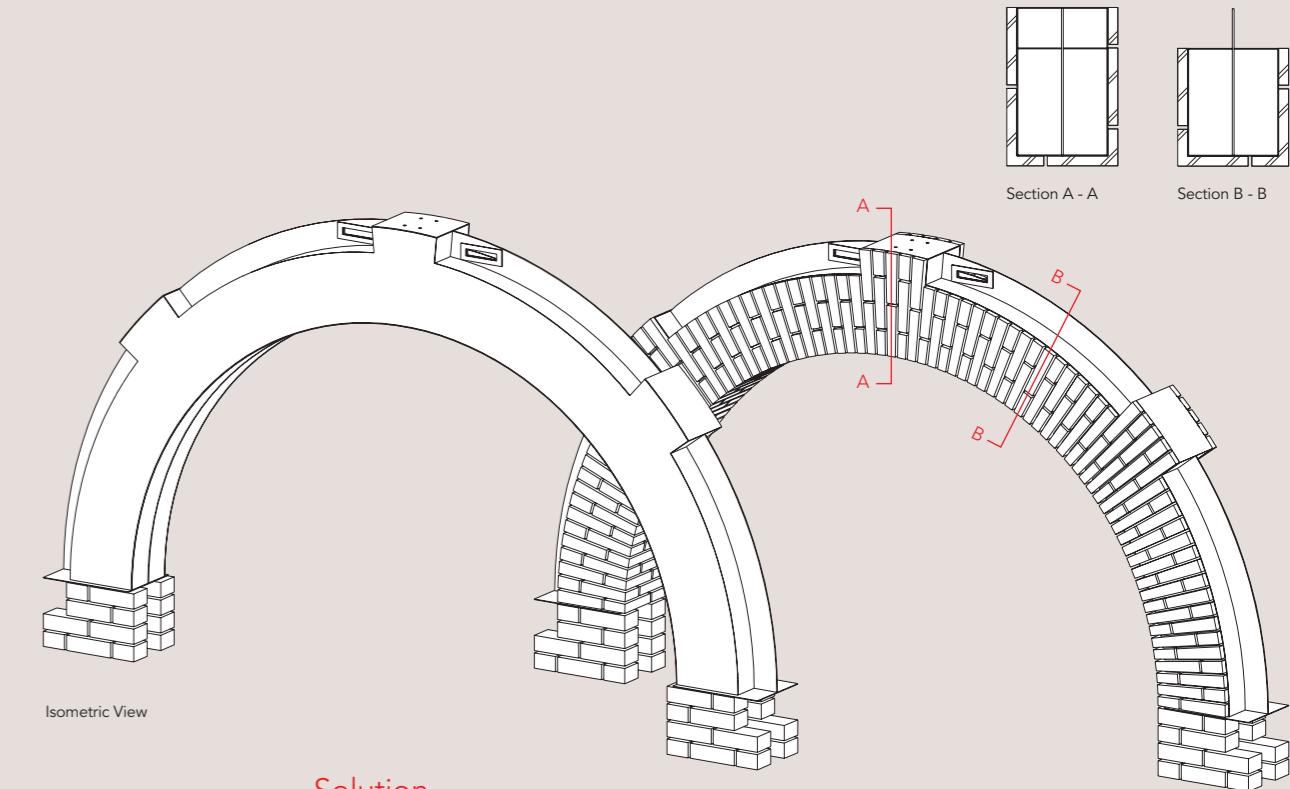
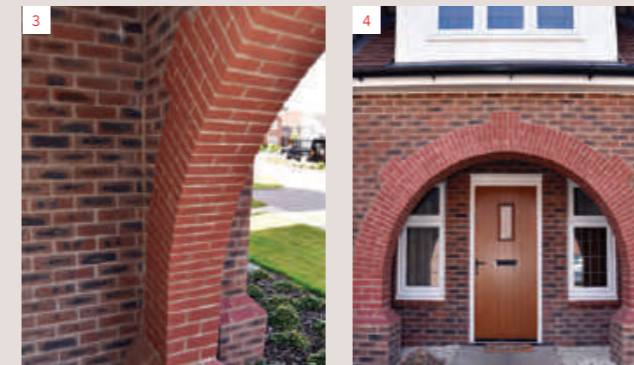
The challenge was to recreate this identical porch detail across a number of sites in the most labour efficient and safest way possible.

**1**  
Redrow Homes' Blenheim house type features a distinct Brick Slip Arch

**2**  
The Brick Slip Arch was produced entirely offsite

**3**  
Underside of the brick arch showing no visible steel

**4**  
The intricate brick detail provides an eye catching feature to the front of the building



## Solution

IG's technical team created a load bearing structural steel arch with exposed brick on the front, soffit and rear face. The 25mm brick slips were bonded to the perforated steel using a high performance BBA approved construction adhesive. IG's bonding system has undergone vigorous independent testing to assure its proven reliability.

The Brick Slip Arch was produced entirely offsite and delivered as a one piece unit ready for installation and final pointing. By collecting a consignment of the brick being used onsite, IG ensured a seamless finish that complements Redrow's design. The finished product was 70% lighter than the concrete equivalent - saving significant time on installation.

### Description

Bloor Homes is renowned for the development of high specification new build properties in the UK. The Cheswick Place development required multiple prefabricated solutions for the brick detailing. IG's Lightweight Brick Headers would provide Bloor Homes with a lightweight solution, suitable for a fast build programme.

An offsite approach to construction methods is becoming more popular. This method of construction facilitates improved efficiency onsite, obtaining consistent levels of quality whilst also enhancing the speed of construction.

### Challenge

The Cheswick Place development required numerous brick slip solutions to accommodate the various flat gauge arches and soldier course bond patterns featured within the design.

Bloor Homes required lightweight products to achieve the brick detail over the windows which would accommodate various opening widths and could easily be replicated with consistent levels of quality and detail.



Lightweight Brick Feature Header: Flat Gauge Arch



Each of the lightweight units were delivered to site, ready for final pointing, saving considerable time and the need for specialist trades onsite.



### Solution

IG's Lightweight Brick Headers offered the perfect solution. The lightweight headers are installed above a standard cavity lintel, placed on to the outer leaf with no additional fixings required. These single piece units do not exceed regulations for a single man lift and therefore provide a safer option.

IG collected bricks from site to ensure that these units matched the remainder of the brickwork and each brick was precision cut to specification. The 25mm brick slips were then bonded to the lightweight units using a BBA approved adhesive.

These prefabricated units were produced within a strict quality controlled environment and offered high levels of consistency. Each of the lightweight units were delivered to site ready for final pointing, saving considerable time and the need for specialist trades onsite.

1 Lightweight Header

2 Lightweight Brick Headers integrate seamlessly with the brickwork on these house types

3 The lightweight units were delivered to site ready for final pointing

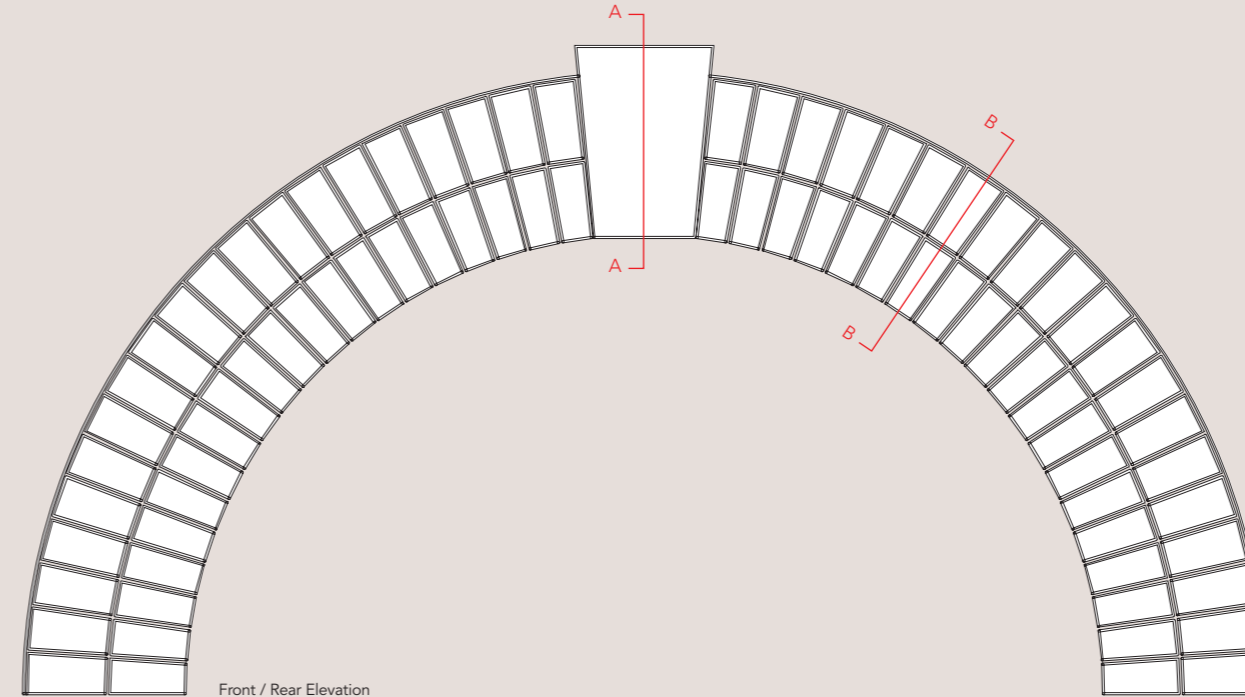
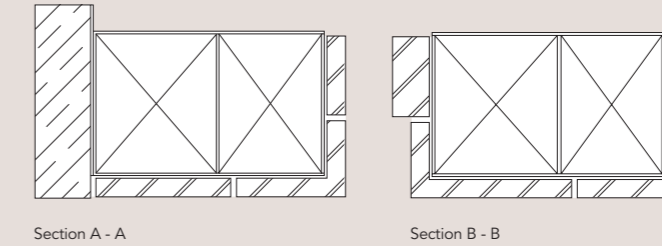
Description

Beaufield Homes has a distinct association with exceptional residential properties and the Warren Close townhouse in Surrey is no exception. Their 3 storey, semi-detached family homes are built to a high specification. Beaufield Homes asked IG to develop a solution for the brick details required over the openings.

Challenge

The porch entrance to the Warren Close property required a Corbelled Full Arch Brick Slip Feature Lintel, faced with brick on three sides. The design and construction of the arch required the support structure to be concealed, blending seamlessly upon installation. IG was also challenged with producing Splayed Bay Special Lintels that incorporate Flat Gauge Brick Slip units. IG's technical team identified a one piece solution that incorporated this design, while significantly enhancing speed of construction.

- 1 Striking red brick  
3 storey townhouses
- 2 Final unit blends seamlessly  
with brickwork
- 3 IG Splayed Bay Lintels  
add character to the façade

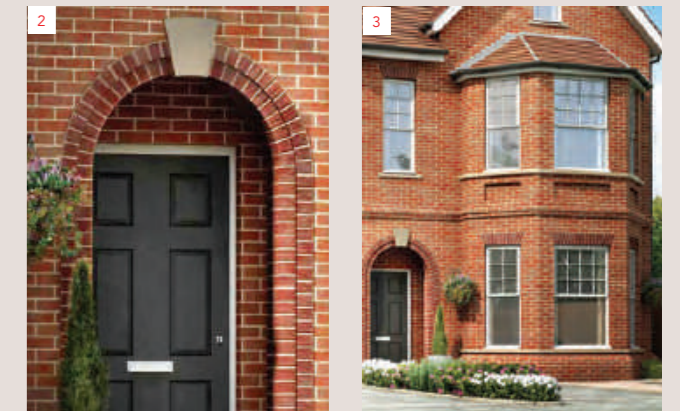


Solution

IG's technical team identified a one piece Splayed Bay Lintel solution which incorporated the Flat Gauge Arch details required above each window. IG also produced a bespoke Corbelled Arch Lintel for the entrance porch, capable of carrying the load required and achieving the decorative feature.

The prefabricated brick slip feature units were delivered to site, ready for installation and final pointing. The units offered the contractor significant time saving onsite, whilst also contributing towards improved safety.

The final result is an impressive display of prefabricated components, providing solutions that facilitate fast build programmes.



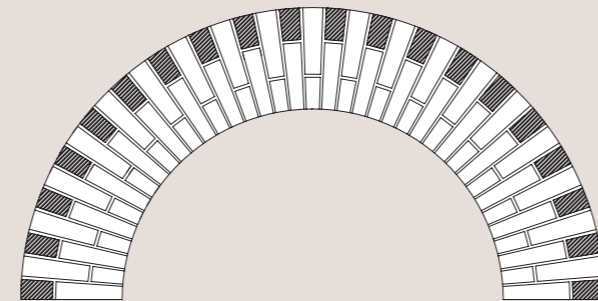


### Description

When replacement dwellings were required in an existing row of traditional terrace homes, Amazon Developments turned to IG with the challenge of matching the brick arch detailing above the doors and windows of the properties. Three new houses with individual design needs were matched to the existing architecture.

### Challenge

Matching the brick detailing above the doors of the existing traditional dwelling presented the biggest challenge. The new houses needed to remain consistent with the properties adjacent to them. It was important to incorporate features from the existing properties into the design to ensure a smooth transition between the old and the new.



### Solution

IG's Brick Slip Feature Lintels offered a quality controlled offsite solution. Two varieties of Brick Slip Feature Arches were designed to span the 1230mm door openings, providing a decorative feature above each doorway.

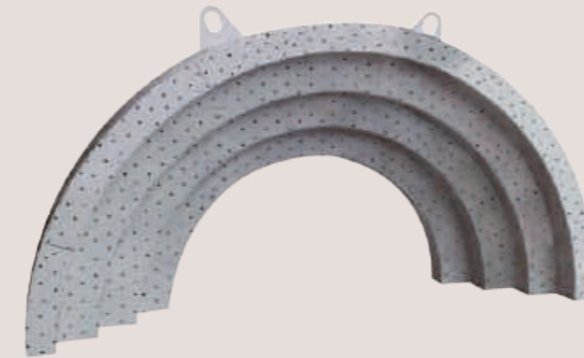
The bond pattern remained similar for each arch, however the combination of brick types varied. Bull nose bricks provided a curved edge to each Brick Slip Feature Arch, softening the façade.

The lintels were delivered to site complete with bricks bonded for final pointing.

- 1 Brick Slip Feature Arch
- 2 Flat Gauge Brick Slip Feature Lintel
- 3 & 4 Underside of the lintel with brick faced soffit
- 5 Finished arch blends with traditionally built brickwork



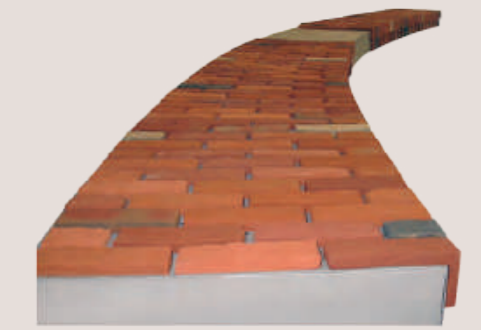
Products Used  
Corbelled Arch Brick Slip Feature Lintel



Example of steel frame Corbelled Arch Brick Slip Feature Lintel before cut bricks are applied.



Products Used  
Brick Feature 9m Span Arch Lintel



9m span arch Brick Feature Lintel provided to Tesco Central Offices, London.

# Brick Slip Feature Lintels Production



1 Arch with keystone in production

2 Perforated steel lintel

3 Bricks are bonded to steel lintel in factory controlled environment



4 Bullseye Brick Slip Feature Lintel

5 IG Brick Slip Feature Lintels in production

6 Brick Slip Apex Lintel

7 Bullseye Brick Slip Feature Lintel

8 Precision cut bricks applied to steel arch lintel

9 Bullseye Lintels with glazed bricks







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