

Sun Lounge Lintel *Keystone does it better..faster*

A Sun Lounge Lintel is an easy way to add space at low cost when building a new house, or extending a property. An extra room rather than an add-on - a sun lounge is comfortable all year round - allowing you to watch the seasons come and go in comfort.



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What does a Sun Lounge offer you?

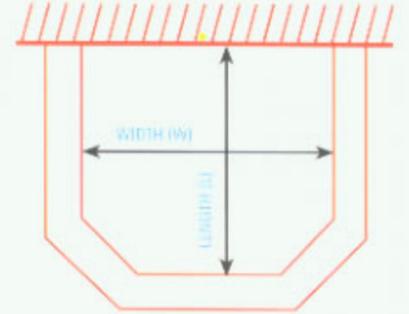
A Sun Lounge will blend with the existing appearance of your home. It's easy to construct, using materials similar to your house. Also it adds genuine floor space, it is structurally sound and adds value immediately.

Is the Sun Lounge the same as a conservatory?

No! A Sun Lounge is more competitively priced than a conservatory, is more visually appealing, is easier to clean, and is not a bolt on "extra".

- Much better heat retention in winter.
- Protection from the blazing summer sun.
- Noise reduction associated with rainfall on a conservatory roof.

The Sun Lounge Lintel can be supplied in any size to suit your requirement.



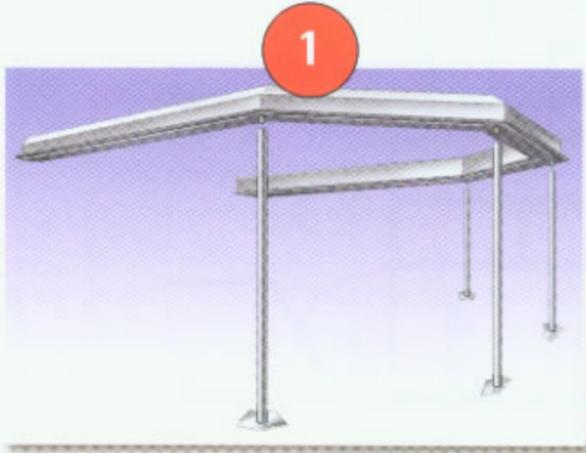
What do Keystone Lintels offer?

The construction of a Sun Lounge has been simplified by the introduction of a Keystone Lintel. It is a one piece unit which removes the need for local engineering, allows architects to design the Sun Lounge to suit the property, and will keep the cost sensible. The Keystone Sun Lounge Lintel is designed and delivered ready for erection.

SUN LOUNGE WIDTH (W) LENGTH (L)

A	3M	3M
B	3M	3.6M
C	3.6M	3.6M
D	3.6M	4M
E	4M	4M
F	4M	4.6M

It's as easy as ...



Sun Lounge Lintel

Construction Data

Roof Construction:

Slates or tiles to match existing on 25x50mm battens on one layer sarking felt on 38x150mm rafters @ 400mm CRS with 38x50mm battens to U/S of rafters to maintain 50mm airgap within roof construction when incorporating 150mm fibre glass quilt insulation. 50x100mm ridgeplate shot fixed to T/S ridge beam. 50x100mm wallplate securely strapped down to wall using 5x30mm galv ms straps by Cullen or equal @ 1200mm CRS. 100x25mm diagonal bracing positioned both sides of roof. 38x100mm collar ties @ 400mm CRS. 50x250mm hip rafters. TG and V redwood sheathing ceiling painted w/Class 1 SSF varnish. All structural timber to be C16 or greater and must be stamped accordingly.

Lintel Specification:

Keystone HD/K factory sun-lounge lintel supported on MS posts designed by Keystone Tech. Dept. located as indicated on plan.

Structural Rigidity:

- Roof Anchorage - First rafter and collar tie to be bolted to main wall at 450mm CRS using Rawl bolts or similar proprietary fixing.
- MS support posts and factory fitted baseplate to be bolted down on top of solid footings built up to 300mm below finished floor level.
- Wracking resistance provided using 9mm plywood secured to U/S of rafters and collar ties prior to any decorative finishes.
- Where a raised or vaulted ceiling is required a Keystone Ridge Beam Cradle must be used (see page 41)

Construction Details:

Provide 150mm fibreglass quilt insulation between roof rafters and collar ties. Insulation to be carried over top of cavity wall and pushed into soffit box to prevent a cold bridge. Install Cullen G400 eaves ventilators to provide a continuous air path for roof space ventilation between roof and insulation and roof underlay at eaves equivalent to 10,000mm²/m w/Cullen G1200 over fascia ventilator to provide ventilation to roof space equivalent 10,000mm²/m in accordance w/Bld. Regs. Approved Document F2 1995 and or BS 5250: 1989. Fixed in accordance w/manufacturers instructions.

Provide stepped cavity tray across wall directly above Code No.4 flashing, where new roof abuts wall. Note all lead to be treated w/patination oil. Rainwater goods fascia and soffit to match existing. RC cill w/DPC @ rear, ends and under. Wall DPC located min. 150mm above ground level. 300mm solid blockwork footings. 250mmx600mm concrete foundation.

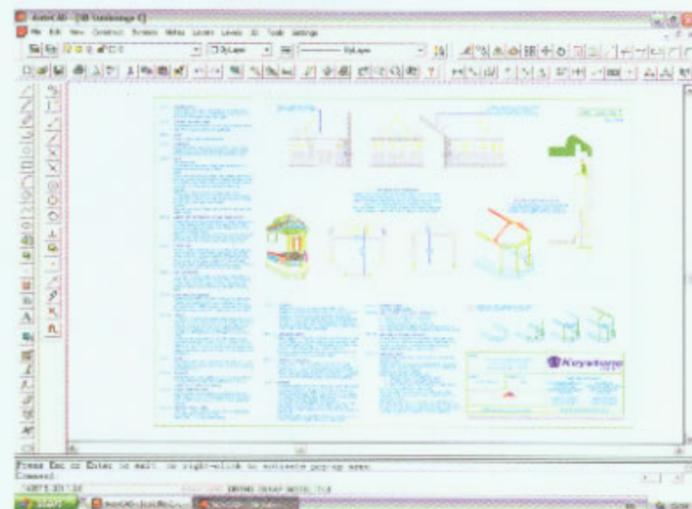
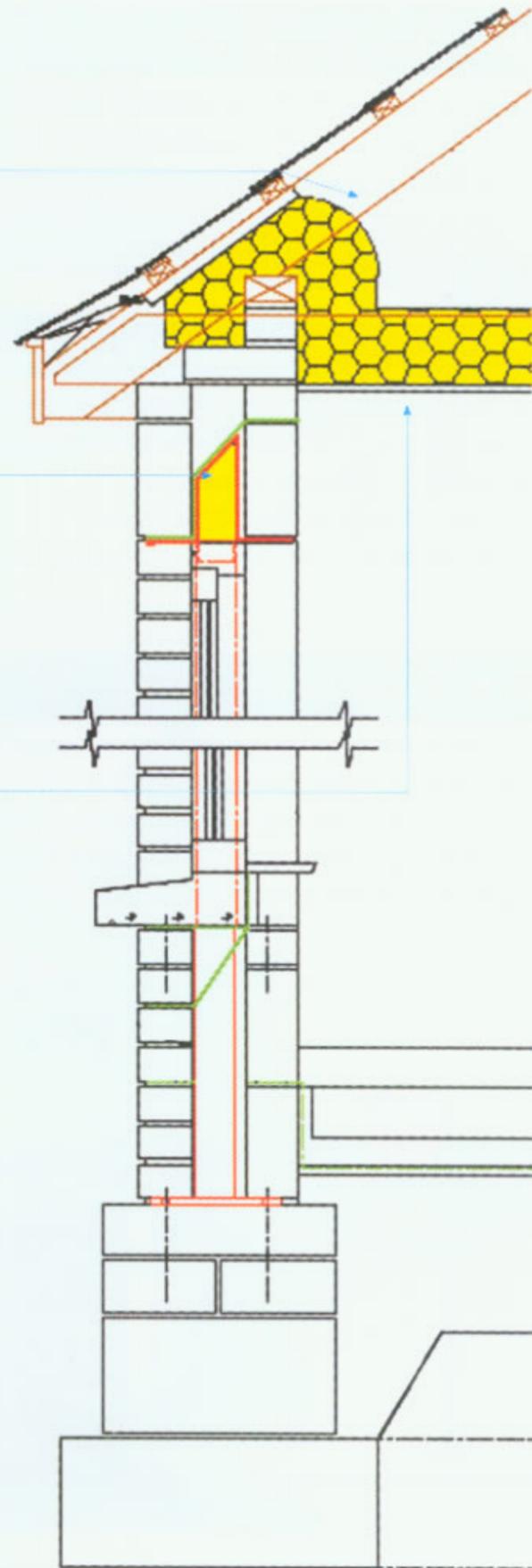
Form new opening from existing dwelling into Sun Lounge to client's requirements. Provide vertical DPC where Sun Lounge window abuts existing wall. Where new wall abuts existing, new cavity to be continuous w/existing cavity. Provide 35mm polystyrene insulation between MS post and against inner leaf where post is inside cavity, to prevent a cold bridge. All glazed panels to doors and side panels w/glazing less than 1500mm above floor or ground level to be glazed w/safety glass to BS 6206: Class B and C.

Provide 300mm cavity wall construction with 60mm Rigid Polystyrene Insulation - Wall ties w/insulation clips to be spaced 750mm horizontal and 450mm vertical CRS. Form new external steps @ doorway to comply w/current Bld. Regs. Any new heating pipes to be insulated w/an insulation of thickness of not less than the diameter of the pipe - insulation to BS 5422:1977.

Provide 100mm dia stormwater drain, laid to fall 1:60, drain pipe to be surrounded w/150mm pea gravel. All drain pipes to comply w/BS 4660 - connected to existing system.

Autocad Files:

FASTRACK autocad files of the various sizes of Keystone sunlounges can be downloaded from our website at:
www.keystonelintels.co.uk



Construction Data continued

Specification:

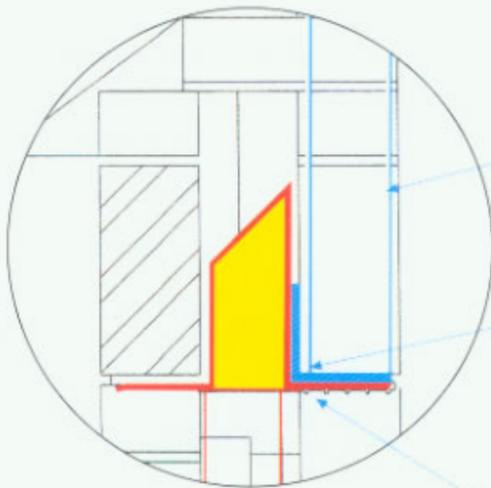
Keystone HD/K factory fabricated Sun-lounge lintel - mitred and welded c/w factory fitted location spigots for easy installation - on MS posts designed by Keystone Technical Department c/w 10mm thick Base Plates secured to solid footing 300mm below finished floor level.

On large Sun-lounges and in exposed locations the Keystone Inverted Support Frame is supplied as specified by Keystone Technical Department.



Raised Ceilings

Fixing Detail



Keystone Ridgebeam Cradle

Ridgebeam Cradle secured to internal flange of lintel using 2 no. M12 bolts

HD/K factory fabricated sunlounge lintel

MS posts designed by Keystone Tech. Dept. c/w 10mm thick baseplate

Footing

Foundation



Where a Cathedral or Vaulted ceiling is required the Keystone Ridgebeam Cradle is supplied to support the roof structure and resist roof spread.

Exploded Isometric View

