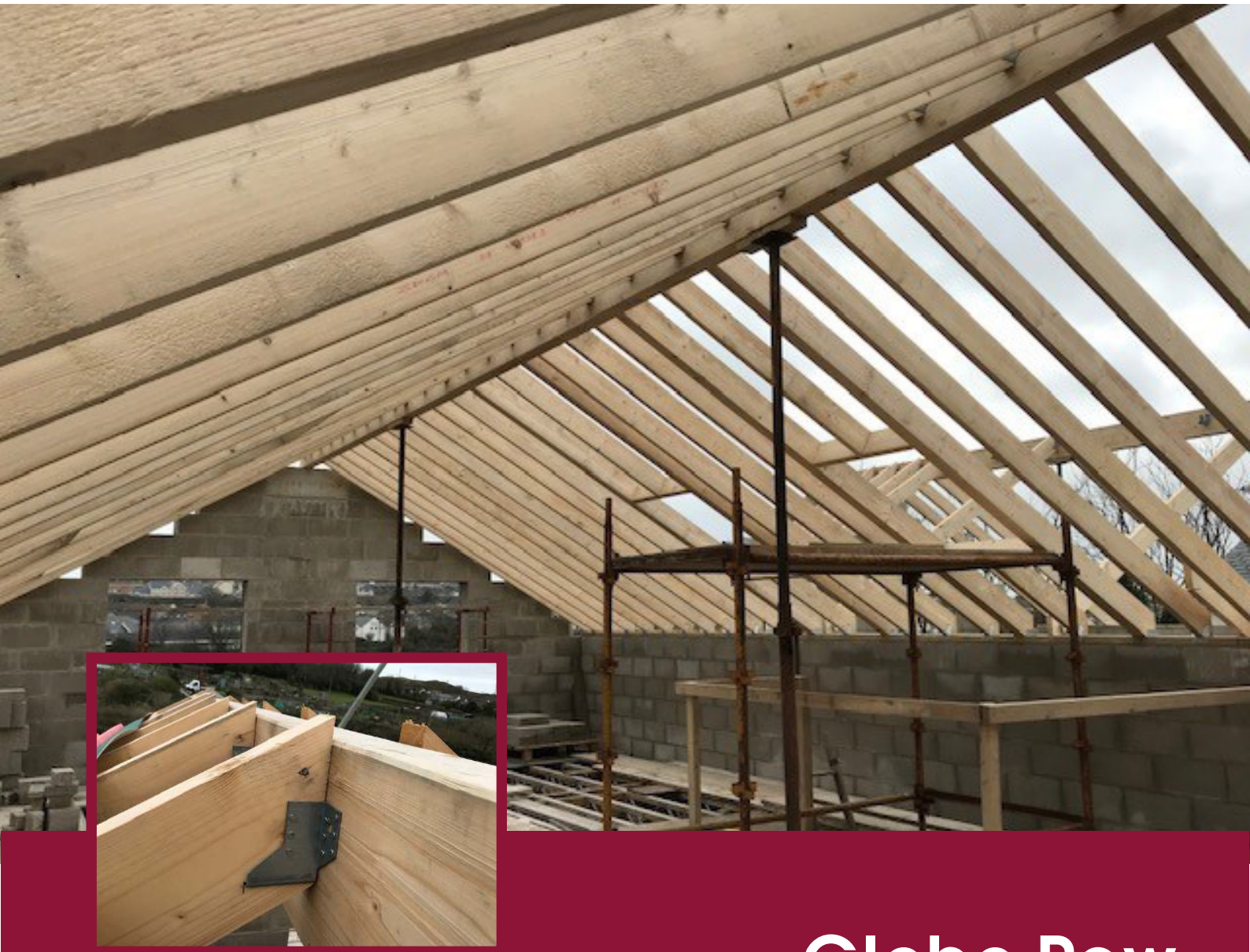
PASQUILL

SAINT-GOBAIN

The UK's largest roof truss supplier

Cut Rafters

Case Study



Glebe Row

Our Commitments

We take our commitments to our customers, staff and the environment very seriously and ensure that we put in place procedures to meet our obligations through our certifications, accreditations and associations.

Sustainability **Quality** **Environmental** **Health & Safety** **Associations**

Glebe Row

Building Description:
New build apartments.

Location:
Glebe Row, Hayle.

Products Used:
Posi-Joists™, Glulam Beams and Cut Rafters.

Services Provided:
Design & supply.

Client:
D J Keeler (through Jewson Penzance).

Project Details:
The customer required a completely vaulted ceiling and thus roof trusses were not possible in this scenario. Cut rafters and the supporting ridge beam were supplied and designed using MiTek Pamir in order to apply the correct loads to the beam.

The rafters were supplied with a 'slot' cut at the ridge. This meant the carpenters just had to fix the hanger to the side of the glulam and the rafter would slide into the hanger and be secured in place. As the finish was exposed eaves, we created a 'birdsmouth' cut for the rafter to sit onto the wallplate - then modified the timber to the required depth all the way through to the end of the overhang.

Product Highlights:

Cut rafters are the traditional method of manufacturing the pieces of timber on-site. Pasquill have the ability to design and manufacture the pieces required using our Hundegger Saw, which allows us to cut 'birdsmouth' and other various cuts into the timber so the Carpenter can simply put the timber into place as opposed to measuring and cutting by hand on-site, which increases the speed of installation.

Posi-Joists, also known as metal web joists, are used in a variety of applications, from domestic housing to commercial property developments and public sector buildings. With their superior spanning capabilities, Posi-Joists facilitate better design freedom. The open web design allows for easy installation of and access to services, and their combination of timber and steel web makes them lightweight but strong.

Glulam is manufactured from selected high grade timbers using small cross-sectional boards, finger jointed and laid up with the grain parallel to form larger cross sections and lengths. This configuration produces an exceptional strength to weight ratio suitable for long span load bearing structures combined with the aesthetic appeal of timber.

"Cuts supplied on rafters were exactly as requested."

D J Keeler

For further information on products and services or your local Design Centre visit our website

www.pasquill.co.uk