

# JML CONTRACTS

STRUCTURAL INSULATED PANELS



## Perthshire Farmhouse extension in SIPs,

**PROJECT:**  
FARMHOUSE EXTENSION  
IN SIPs, PERTHSHIRE

**DATE:**  
JUNE 2014

**CLIENT:**  
PRIVATE

**MAIN CONTRACTOR:**  
JML CONTRACTS LTD

**ARCHITECT:**  
KERRY SMITH ARCHITECTS

**ENGINEER:**  
ALAN CORSIE

**DESIGN & INSTALL:**  
JML CONTRACTS LTD

LATEST AWARD



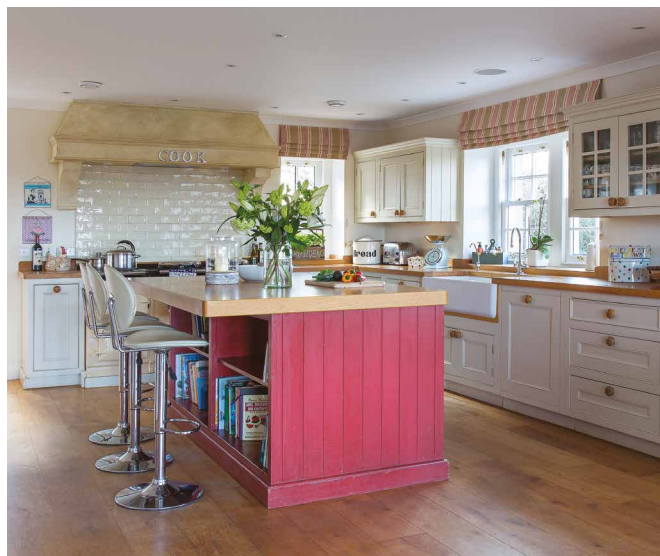
## Project overview

Our client wanted to extend this traditional farmhouse to accommodate their expanding family and they decided to increase the size of the property from 180m<sup>2</sup> to 360m<sup>2</sup> - effectively doubling its floorspace. The architect's brief was to increase the number of bedrooms from three to five and also include a generous open plan kitchen/dining room with boot room, laundry room and WC. The client wanted to mirror the existing traditional architecture within the new accommodation, whilst ensuring the extension was as thermally efficient as possible and were therefore very keen to build using SIPs (Structural Insulated Panels).



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## Challenges

When looking to marry new structures to old, traditional buildings, it is always a potentially difficult proposition, but with accurate site surveying and 3D modelling JML Contracts ensured this was flawlessly achieved.

To match the existing traditional stonework, reclaimed local stone with lime pointing was used and the new extension roof was slated using reclaimed Scottish slate from a local supplier.

Installing an AGA cooker in the kitchen with an incredibly well insulated SIPs frame has the potential to create overheating problems in summer months. This issue was overcome with a bespoke design for the HRV (Heat Recovery Ventilation) system to help distribute any excess heat throughout the rest of the house.

## Services delivered

JML Contracts carried out all aspects of the project from demolition, groundworks and foundations through to the supply and erection of the SIPs kit and all internal finishings.

Upon completion of the project, it was extremely difficult to tell the difference between the old farmhouse and the new extension due to the stone cladding and slated roof matching so well. Our client was keen to install underfloor heating throughout the ground floor of the extension, although they have since informed us it is rarely required due to the effective insulating properties of the SIPs kit.

**This completed extension was given a centre spread in 25 Beautiful Homes Magazine in June 2015.**