

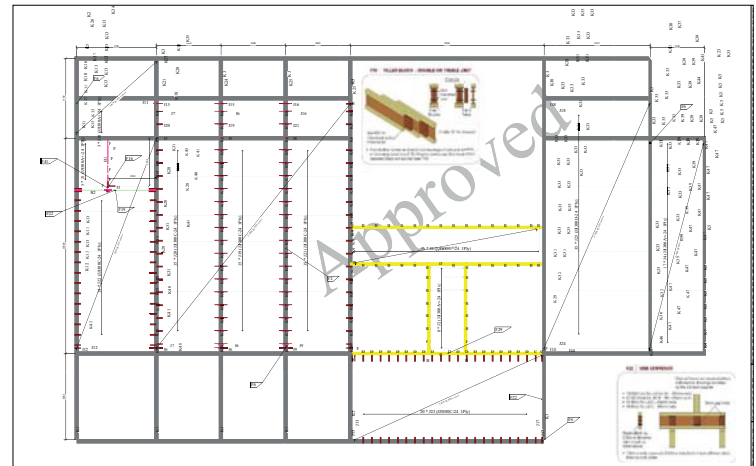
# Jordans Mill, Biggleswade JJJ-Joist Case Study



Designed by Roderick James Architects LLP, the 'Mill Store' visitor centre comprises 700m<sup>2</sup> of floor space - complete with café, commercial kitchen, shop and small conference facilities. This building features alongside a unique example of a 19th century flour mill that straddles the River Ivel. This historic Mill, home to the Jordan family for over 150 years, was revolutionary for its time and following a fire at the mill in the late 1800s, brought about a change from traditional stone milling to metal roller mills. This technological leap enabled the mill to increase production significantly and helped Jordans Mill to become one of the leading producers of flour in the region.

The scheme is based around a structural green oak frame, supplied and erected by Westwind Oak Buildings Ltd, and is wrapped in SIPs panels supplied and installed by SIPs Industries Ltd. SIPs Industries also installed the JJJ-Joists, which make up the first floor structure, with these joists specified for their strength, stiffness and increased span, as well as their low weight-to-size ratio and the ability to quickly and easily drill service holes.

Matthew Korny of Robinson Manufacturing, who did the detail design of the JJJ-Joist floor section, said about the job: *"This project was particularly interesting to us due to the prestigious nature of the development and also the challenges it provided to us as JJJ-Joist designers. We were keen to be involved especially as the building would be open to the public and was in a fantastic location of natural and historical interest. The fact that there were a number of different load combinations of up to 6.5kn/m<sup>2</sup>, bearing onto different surfaces such as solid oak and flitch beams, provided an interesting challenge, but one which the James Jones software and product provided a perfect solution."*



Layout plan



JJJ-Joists supported by oak frames

CLIENT	JORDANS MILL	(Click here for website)
ENGINEERED WOOD SUPPLIER	ROBINSON MANUFACTURING LTD	(Click here for website)
JJJ-JOISTS	300A+ 300B+ 300C 300D	
CONTRACTOR	MOLINA PROJECTS	
ARCHITECT	RODERICK JAMES ARCHITECTS LLP	(Click here for website)



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Images courtesy of Nigel Rigden, Roderick James Architects & James Jones & Sons Ltd.

JJI-Joists are the UK's market-leading I-Joist and the brand most specified by architects. JJI-Joists are the only UK manufactured I-Joist with FSC Certification and a carbon negative impact figure to PAS:2050 standards



JJI-Joists are capable of large spans up to 12m. They are light-weight, long and very, very strong. Suitable for floors, walls and roof projects.

The JJI-Joist system relies on a unique combination of engineered products designed to complement each other and deliver outstanding performance

