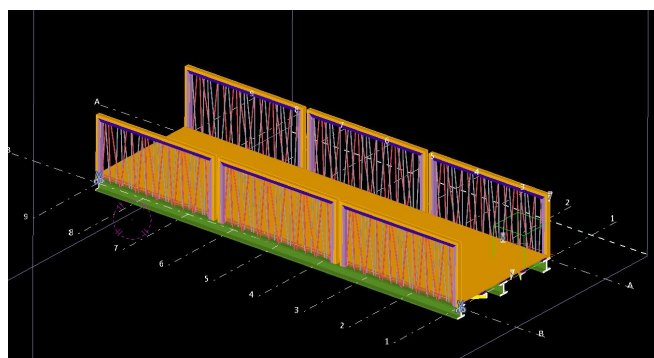


Case Study—Bespoke parapet bridge at new Travelodge



Client: Marshall Building Contractors—Ref 4467

Location: Travelodge, Bury St Edmund, Suffolk

Length: 10.42m

Width: 2.5m

Form: Steel beam bridge with random steel infill bars on parapet

Project Description

CTS were sent a concept of the style of bridge required to access the main car park at the new Travelodge in Bury St Edmunds.

As CTS have designed, built and installed a number bridges of this style in recent years they were happy to oblige in providing a price and value engineering.

They worked closely with Marshall Building Contractors to ensure the style of the bridge matched the clients aspirations and to ensure it meets with current design standards.

The manufacture stage involved both CTS's skilled joiners and fabricators who worked together to merge the timber and steel elements required to produce this type of bridge.

The parapet was designed to meet structural adequacy to meet the requirements of Class C infill to BS 7818. The criss cross infills were placed at less than 110mm centres to ensure safety, and were set in a steel frame. A durable FSC ekki hardwood casing was fixed around the parapet frame to provide contrast.

The walkway surface of the bridge has CTS's Hi-Grip Excel deck boards with two non slip inserts in each board to provide a safe surface for the hotel personnel and customers.

All steelwork is CE marked to EXC 4 and all timber is FSC accredited.

Top Photograph: 10.42 x 2.5m bridge, Bury St Edmunds

Second Photograph: Aerial View

Third Photograph: Steel Criss Cross infill set in hardwood frame

Fourth Photograph: CTS's Tekla 3D model of bridge