



Cold Store Steelwork – St Modwen Park, Burton

.....
Client

St Modwen

.....
Contractor

Readie Construction

.....
Steelwork Design

Caunton Engineering

.....
Architect

UMC Architects

.....
Engineer

Nolan Associates

.....
Steel Tonnage

1,235 tonnes

Caunton Engineering supplied the main and secondary steelwork, which included floor grating, handrail and ladders for a major warehouse structure in Burton. The building is located on the St Modwen Park in Burton, which is a 50 acre industrial and distribution site with outline planning consent for up to 1 million square foot. This is a prominent site providing direct access to the A38 which links Birmingham to Derby and the North.

The four span propped portal frame required 1,235 tonnes of steelwork. The overall width is 130 metres and the length is 190 metres, with a height to eaves of 15 metres and a 1.5 degrees roof pitch. The structure also includes a gantry, an internal office and two canopies.

The building is programmed to be a cold store, therefore clad with thick composite panels. This meant that the deflection criteria was a critical factor for the Caunton Technical Team who designed the steelwork.

