

Woolworth Meadowbrook Shopping Centre, Australia

Woolworth Meadowbrook Shopping Centre Integrated Project Delivery

Cost	AUD 80M
Status	Construction/Filout
Participants	ADCO Constructions, McVeigh Consultants, SteelCAD Steel Detailers, Gay Constructions Fabricators
Chapter	Australasia, Australia
buildingSMART	BCF, IFC

“As structural engineers McVeigh Consultants set out to add value to the structural steel and tilt panel supply chain with the use of integrated project delivery (IPD) and building information modelling (BIM). Creating a partnership with SteelCAD Drafting (shop detailer), McVeigh consultants were able to offer integrated steel and tilt panel shop drawings to the design and construct head contractor earlier, with reliable quantity take offs (QTO’s) for more competitive procurement, enhanced discipline coordination and minimal administration and stress then the traditional shop drawing delivery method.

Woolworth Meadowbrook Shopping Centre, Australia

Woolworth Meadowbrook Shopping Centre Integrated Project Delivery

The IPD Process

“Working with revision controlled IFC files the shop detailer and structural engineer were able to confidently and accurately transfer model geometry, information parameters and approval status of each individual element on the project. SteelCAD would reference the McVeigh Consultants design model, map and connect the point-to-point design model elements based on the ‘approval status’ parameter to avoid potential rework and time delays in the future.”

Outcome

“The IPD process utilising BIM and the interoperability functions of IFC and BCF were well received by the head contractor and the entire design team in that communication and real collaboration between external parties were realised, productive and enjoyed.”