



**AUSTRALIAN STEEL DETAILERS**

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# TECHNICAL EXCELLENCE. DIGITAL DELIVERY. FABRICATION FOCUSED.

## STRUCTURAL STEEL DETAILING & DIGITAL CONSTRUCTION

Australian Steel Detailers (ASD) delivers coordinated structural steel models and fabrication-ready documentation that support efficient fabrication and installation.

Working within digital construction workflows, ASD integrates structural modelling, fabrication data and site capture technologies including 3D scanning, site measurement and set-out to improve coordination between design, fabrication and construction.



### FABRICATION- FOCUSED

Detailing aligned with fabrication and construction needs.



### COORDINATED 3D MODELS

Tekla Structures models drive accurate documentation and fabrication data.



### SITE CAPTURE INTEGRATED

3D scanning, site measurement and steel set-out integration.



### PROJECT CERTAINTY

Better coordination fewer RFIs and smoother project delivery.

## COMPANY OVERVIEW

Established in 2001, Australian Steel Detailers is a structural steel detailing consultancy supporting steel fabrication, builders and engineers across Australia.

ASD combines fabrication-focused detailing with advanced digital engineering deliver coordinated structural steel solutions for projects of all sizes and complexity.

Our experienced team works collaboratively with clients from early design through to fabrication and installation, ensuring clarity, efficiency and confidence at every stage of the project.

## WHY FABRICATORS WORK WITH ASD

- ✓ Fabrication focused detailing
- ✓ Coordinated 3D structural models
- ✓ Accurate material schedules
- ✓ Reduced RFIs and drawing revisions
- ✓ Responsive support throughout our fabrication

DELIVERING CERTAINTY THROUGH COLLABORATION,  
TECHNOLOGY AND EXPERIENCE.

[www.asdetailers.com.au](http://www.asdetailers.com.au)

## CORE CAPABILITIES & DIGITAL ENGINEERING



### TEKLA MODELLING

Accurate 3D models built in Tekla Structures to capture design intent and fabrication requirements.



### FABRICATION DRAWINGS

Clear, detailed drawings that support efficient workshop production.



### CONNECTION DETAILING

Practical connection designs that consider fabrication and erection.



### FABRICATION DATA & OUTPUTS

NC files, DSTV, material lists and reports to streamline production and procurement.



### ERECTION DELIVERABLES

Erection drawings, bolt lists and set-out information to support site installation.

## INTEGRATED DIGITAL CONSTRUCTION WORKFLOW



### DESIGN

Design intent and information exchange



### MODEL

Design intent and information exchange



### FABRICATION

Design intent and information exchange



### SITE CAPTURE

3D scanning and site measurement.



### SET-OUT

Steel set-out and installation support.



### INSTALLATION

Accurate installation and project delivery.

## SITE CAPTURE & SET-OUT INTEGRATION

ASD utilises advanced 3D scanning and site measurement technology to capture existing conditions and support precise steel set-out.

- ✓ 3D laser scanning
- ✓ Point cloud modelling
- ✓ Steel set-out and verification
- ✓ Improved accuracy and reduced rework



## TYPICAL DELIVERABLES



3d TEKLA MODELS



FABRICATION DRAWINGS



MATERIAL SCHEDULES



NC & DSTV OUTPUTS



ERECTION DRAWINGS



BOLT LISTS & REPORTS

COORDINATED MODELS. ACCURATE DATA.  
BETTER OUTCOMES.

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# INDUSTRY RECOGNITION



2022 STEEL EXCELLENCE AWARD

ST PETER'S COLLEGE  
BIG QUAD REJUVENATION

Proudly recognised for our contribution to the succesful delivery of this award-winning project through accurate modelling, detailing and collaboration.

## PROJECT EXPERIENCE AND SECTORS



COMMERCIAL



INDUSTRIAL



HEALTH



INFRASTRUCTURE



MINING



DEFENCE

## TYPICAL PROJECTS

- Distribution Centres
- Hospitals & Health Centres
- Education & Institutions
- Industrial Plants
- Infrastructure & Bridges
- Defence & Secure Facilities

## WHY LEADING FABRICATORS PARTNER WITH ASD

- ✓ Fabrication-focused approach delivering practical outcomes
- ✓ Highly accurate models and documentation
- ✓ Proven workflow reducing RFIs and rework
- ✓ Committed to quality, safety and on-time delivery

## TEAM CAPABILITY



A Skilled team of detailers, modellers and technicians committed to quality, accuracy and on-time delivery accross projects of all sizes and complexity.

## PROJECT HIGHLIGHTS



MINING PROCESSING PLANT  
JIMBLEBAR B.H.P. W.A.



HOSPITAL PROJECT  
Royal Adelaide S.A.



EDUCATION  
Cabra High School S.A.



ROCKET RESEARCH  
Kooniba Test Range S.A.