

JOSÉ MARQUES JUNIOR

Steel Detailer | Tekla Structures Specialist | Civil Engineer

São Paulo, Brazil (Remote) • +55 11 91594 7750 • josemarques.eng@outlook.com • linkedin.com/in/josemarquesjunior • steeldetailers.com.br

PROFESSIONAL SUMMARY

Civil Engineer and Steel Detailer with 6+ years' experience delivering Tekla Structures models and shop drawings for the Australian market — including four years living and working in person on the Gold Coast, QLD (2018–2022) with local steel detailing firms, and continuing to deliver for Australian clients fully remotely from Brazil ever since. Builds 3D models and produces General Arrangement, Assembly and Part drawings — including NC/DXF exports for CNC fabrication — for commercial and residential steel structures, and converts 3D scans of existing structures into accurate, buildable as-built models for repair projects. Comfortable with AS/NZS-based workflows and working within a client's own Tekla standards and templates. Founded Steel Detailers in 2025 and continues to personally deliver hands-on modelling and detailing for client companies, as a direct detailing partner, contract capacity, or project-based placement through recruiters.

KEY HIGHLIGHTS

- Lived and worked in person on the Gold Coast, QLD from 2018 to 2022, with local steel detailing firms, before returning to Brazil and continuing to deliver for the same clients fully remotely — a proven, trusted remote-work track record, not a cold start.
- 6+ years focused almost exclusively on Tekla Structures detailing for the Australian market: GA, assembly and part drawings, NC/DXF exports for CNC fabrication, and 3D scan-to-model detailing for repair/as-built projects.
- Comfortable with AS/NZS-based workflows; works directly from a client's IFC/DWG files or within their own Tekla standards and templates.
- Fully self-equipped: personal licensed Tekla Structures software, dedicated workstation and high-speed internet — no software or hardware cost required from the employer or agency.
- Open to freelance projects, fixed-term contracts, fixed weekly hours, or placement by recruiters on project-based assignments.

KEY SKILLS

- **Modelling software:** Tekla Structures (advanced — daily use since 2019), AutoCAD, Revit (working knowledge)
- **Detailing output:** GA, assembly & part, shop and erection drawings; steel connection detailing; NC/DXF exports for CNC fabrication; 3D scan-to-model (as-built) detailing for repair projects
- **Standards & workflow:** AS/NZS-based workflows; works from client IFC/DWG files or within their own Tekla standards & templates
- **Project delivery:** Scope and schedule management, RFI resolution, quality control, drawing issue and revision control, client development
- **Coordination:** Liaison with Project Managers, Engineers and Designers; cross-time-zone remote collaboration (BRT ⇄ AEST)

PROFESSIONAL EXPERIENCE

Founder & Project Coordinator — Steel Detailers

São Paulo, Brazil — remote engagements | Nov 2025 – Present

- Founded a specialist practice in 3D modelling and structural steel detailing for fabrication and erection; personally carry out the modelling, drawings and quality control on every project, in addition to being fully responsible for all aspects of the business.
- Serve as a direct detailing partner for fabricators, flexible overflow capacity for detailing/modelling firms during busy periods, and available for project-based placement through recruitment agencies.
- Work directly from client IFC/DWG files or within their own Tekla Structures standards and templates; own client development, technical and project coordination, 3D modelling, shop drawings and quality control end-to-end.
- Define technical standards and manage scope and schedules, maintaining direct communication with clients and partners to ensure accurate, buildable, code-compliant deliverables.

Steel Detailer — Precise Digital Construction

Gold Coast, QLD, Australia — in Australia 2021–2022, then remote from Brazil 2022–2025 | Jun 2021 – Nov 2025 (4 yrs 6 mos)

- Modelled structural steelwork in Tekla Structures for commercial and residential fabrication projects.
- Produced General Arrangement, assembly and part drawings for fabrication and site erection, including NC/DXF exports for CNC fabrication.
- Liaised directly with Project Managers and Designers to keep drafting within scope — initially in person in Queensland, then continuing the same working relationship fully remotely from Brazil.

Steel Detailer — SDS Structural Detailing Service

Gold Coast, QLD, Australia | Nov 2019 – Jun 2021 (1 yr 8 mos)

- Produced 2D and 3D structural steel drawings using AutoCAD and Tekla Structures.
- Updated and corrected existing drawing sets across active structural projects.
- Designed steelwork packages, delivering accurate and precise drawings for fabrication.

Civil Engineer (Self-Employed) — Independent Practice

São Paulo, Brazil | Apr 2017 – Mar 2018 (1 yr)

- Led and executed several residential building projects end-to-end, forming and directing a skilled project team.
- Managed project planning and development to ensure delivery on time, on budget and to design specification, including construction methods, materials and quality.
- Drafted and interpreted specifications, drawings and plans using AutoCAD.

Engineering Trainee — Concrear Construções e Serviços

São Paulo, Brazil | Mar 2015 – Oct 2015 (8 mos)

- Coordinated project phases and staff allocation as team leader on public and commercial construction projects.
- Prepared detailed civil drawings using AutoCAD and maintained the drawing issue and archiving system.

Draftsman & Engineering Assistant — Suportenge

São Paulo, Brazil | Feb 2012 – Sep 2014 (2 yrs 8 mos)

- Produced civil and structural steelwork drawings and full drawing packs for site use, using AutoCAD.
- Managed labelling and issuing of drawings within the company system.

EDUCATION

Bachelor's Degree, Civil Engineering — Universidade Paulista, São Paulo, Brazil (2011 – 2016)

Civil Construction Design — Site Institute (2020)

Technical Certificate, Engineering — Site Institute (2019)

LANGUAGES

English — Advanced / Fluent (Full Professional Proficiency) · Portuguese — Native / Bilingual · Spanish — Limited Working Proficiency