

STEEL3D LTD · CLIENT MANUAL

Advance Steel & AutoCAD Detailing

Steel3D LTD concentrates on **Advance Steel** and **AutoCAD** structural steel draughting and detailing. We site-visit, measure and draw your project from conception to completion. Your fabricators receive part, assembly and GA drawings with BOM lists, erection schemes and NC/DSTV data. **Steel3D LTD does not fabricate or supply steel.**

Intellectual property of Steel3D LTD · Contact steve@steel3d.co.uk · Rev 23 Sep 2026b. This manual describes **what** we deliver — not internal methods.

1. Who we are for

UK structural steel fabricators, main contractors, and engineers who need shop-ready Advance Steel / AutoCAD detailing — from site measure through fabrication issue (zero fabrication by Steel3D LTD).

2. Primary service — draughting & detailing

- **Site visit & measure** — survey and capture dimensions for the model and drawing set.
- **Conception to completion** — layout through fabrication issue in Advance Steel and AutoCAD.
- **Part drawings** — member / plate details for the shop.
- **Assembly drawings** — workshop fit-up packages.
- **GA drawings** — general arrangements for site and coordination.
- **BOM lists** — materials with the drawing set for fabrication and estimating.
- **NC / DSTV** — CNC-ready data issued with the paid detailing pack.

3. Client site (steel3d.co.uk) — what you see

The public site is a tool-focused marketing and commercial portal. There is **no public CAD workstation** and **no client-facing chatbot or AI assistant widget**. Navigation follows the landing sections in order.

- **Home** — Advance Steel & AutoCAD landing (with Freelance EXC2 RWC cue), standards strip, core services including RWC / Weld QA, technical workflow, and an indicative draughting fee / turnaround estimator.
- **How it works** — five public process stages (GA intake → 3D Advance Steel modeling → Clash / BIM review → Client model sign-off → Drawings & NC/DSTV release).
- **Company Profile** — lean registration (contact, company, email, phone, address, logo). No VAT or company registration number. Profiles start **PENDING_VERIFICATION**; after Steel3D LTD approval they become **VERIFIED** so company name / logo can appear on GA titleblocks and invoices. This is **not** a portal login — the owner vault stays private.
- **Quote** — **Submit CAD / PDF for commercial quote** with no portal login. Attach a pack (.dwg / .pdf / .ifc and related), accept Terms & the Revisions Policy (£50/hr cap), and receive a sequential **Job Reference Token** (e.g. S3D-0001). Steel3D LTD prices the job in the private vault.
- **Showcase** — sample GA, connection, assembly and DSTV outputs.

- **Freelance RWC** — EXC2 Responsible Welding Coordinator engagement options (pay-as-you-go, named retainer, or integrated CAD & RWC).
- **Credentials** — founder credentials available for verification on request.
- **Documents** — this Client Manual, Terms & Conditions, and Privacy & Data Protection (PDF).
- **Contact / Suggestions** — enquiry and product-idea forms to steve@steel3d.co.uk.
- **FAQs** — Advance Steel detailing answers plus Freelance EXC2 RWC engagement, WPS/WPQR verification, VT / ISO 9606-1 logging, and clear out-of-scope notes (no FPC manuals, no structural calculations, no WPS writing).

4. Job portal, preview & payment

- After quote submit, Steel3D LTD emails a link to your job portal (#job/S3D-####) with a watermarked single-page 3D GA overview stamped for approval / payment.
- When a Shared View is attached, the unpaid portal shows **Launch Interactive 3D Model Viewer** beside the GA PDF — orbit and measure only (view-only; no NC1, plate DXF or native DWG from that window).
- Pay the invoice (Stripe Checkout) with **Pay invoice to unlock fabrication pack**. Release also requires a **VERIFIED** company profile where branding is required.
- **Paid + verified** — watermarks clear and the fabrication zip is released (NC1/DSTV, clean GAs, assemblies, single parts, BOM as scoped). The Shared View link leaves the unpaid portal after payment.
- Each job token keeps a revision audit ledger (Rev - → A, B, C) with notes, tonnage delta and client approval before final file release.

5. Deliverables you can expect

Deliverable	Outcome
Site visit & measure	Surveyed dimensions feeding the detailing model.
Part / assembly / GA drawings	Shop and site packages as scoped.
BOM lists	Quantities and materials with the drawing set.
Advance Steel / AutoCAD pack	Native workflow outputs, DXF/DWG where agreed, DSTV NC1/NC. Layers distinguish columns, primary beams, channels, bracing and platework.
Job portal	Watermarked GA preview; Shared View when attached; fabrication zip after invoice paid.

6. Detailing fees (WHAT you are quoted)

Indicative commercial bands used on steel3d.co.uk. Final fixed quote follows drawing submit. All figures ex VAT unless stated.

- **Sub-tonne structural / plates** — from **£180**.
- **Primary steel** — £65/t under 10 t · £55/t from 10–30 t · £50/t above 30 t, with a **12% fittings allowance** on mass.

- **Platework / brackets — Detail Once, Nest Many** — £180 plus a flat **£25 per unique mark** (one detail sheet; manufacturing quantity does not multiply the detailing fee). Optional CNC flat-pattern DXF **+£45** when the job is under 1 t.
- **Other indicative minima** (private vault / quick-quote) — GA only from £220 · Builder's beams from £250 · Handrail from £280 (or £40/m) · Misc from £280 · Cladding rails from £300 · Canopy from £320 · Connections / PE pack from £350 · Stairs from £550 · Site survey £450 flat · As-built model £380 flat.
- **Express 24–48 hr** — +35% on the detailing fee.
- **Revisions** — initial packs include **1 model sign-off revision cycle** (pre-final issue). Post-approval structural changes, engineer RFIs, or re-issue of NC/DSTV after late design change are billed at the hourly draughting rate, hard-capped at **£50/hr**. NC1 / GA release stays locked until the variation is approved.

6A. Freelance EXC2 RWC & Weld QA (WHAT is offered)

Optional welding coordination and visual inspection for Execution Class 2 fabricators (Hull & Humber and UK as agreed). Scope is RWC oversight, WPS/WPQR verification & review, ISO 9606-1 welder qualification logging, Visual Weld Inspection (VT), and 3D Advance Steel / AutoCAD detailing. Steel3D LTD does **not** write or compile WPS documents, does **not** provide structural engineering or connection design calculations, and does **not** compile Factory Production Control manuals.

- **Pay-As-You-Go (Ad-Hoc)** — **£550 + VAT / day**, or **£85 / hr** for quick procedure & drawing reviews. Zero contracts; VT on-site & workshop; WPS & WPQR verification (ISO 15614); ISO 9606-1 testing support & witnessing.
- **Named RWC Retainer** — **£850 – £1,200 + VAT / month** (scaled to shop size & volume). Named EXC2 RWC; one scheduled visit per month; welder continuity logs; ongoing WPS/WPQR review; discounted rates for extra inspection days.
- **Integrated CAD & RWC** — bespoke per project. Advance Steel GAs, shop drawings & NC/DSTV with pre-detail joint review, WPS allocation/reference on fabrication drawings, and a single technical lead for draughting and RWC coordination.

7. Engagement & contact

Submit CAD / PDF on steel3d.co.uk (or email). Quote your Job Reference Token on all correspondence. Contact steve@steel3d.co.uk · steel3d.co.uk.

Registered office: Unit L3, Chamberlain Business Centre, Base Business Space, A5 Chamberlain Rd, Hull HU8 8HL · Compliance: **BS EN 1090-2** [7].

8. Legal

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Contact: steve@steel3d.co.uk · Manual Rev 23 Sep 2026b · Steel3D LTD · Zero fabrication.