



User Guide

Phase 2.5 - Illustrated Edition

- Safety Audits - Snag & Punch Lists - Code Compliance - Handover
- Photo Annotation - GPS & Weather Stamps - Stop-Work Alerts
- Professional PDF Reports with Photos & Signatures

Contents

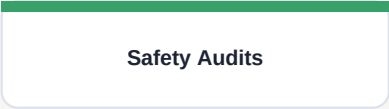
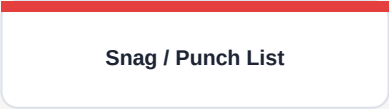
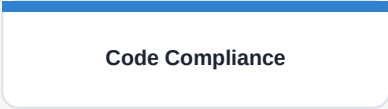
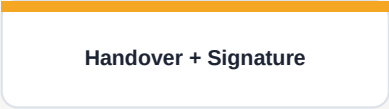
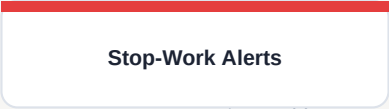
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Welcome to ConstructProof

ConstructProof is a complete site inspection toolkit for construction professionals: safety audits, snag (punch) lists, code compliance checks, project handovers with client signatures, and instant stop-work hazard alerts - all producing professional, branded PDF reports with your photos and signature embedded.

Three things that make it different

- It works completely offline. Checklists, photos, signatures, and PDF generation all run on your device - perfect for sites with no signal.
- Your data stays on your device. Nothing is uploaded anywhere. Inspections live in your browser's secure storage, and you control backups.
- No app store needed. It runs in your phone, tablet, or desktop browser. Add it to your home screen and it behaves like a native app.

 Safety Audits Snag / Punch List Code Compliance Handover + Signature Stop-Work Alerts PDF Reports

TIP

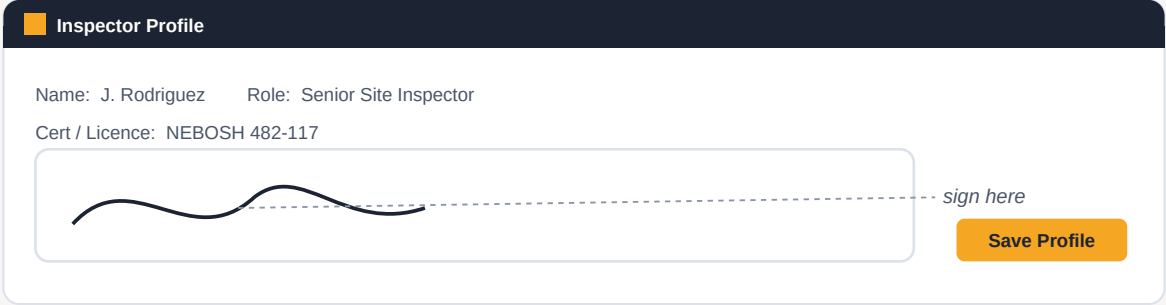
New to construction terminology? A "snag" is simply the British term for what US crews call a punch list item - a defect found during inspection that needs fixing before handover. The app uses both terms.

First-time setup (do this once)

Two quick steps make every PDF you ever generate look professional and legally attributable. They take under two minutes combined.

Step 1 - Inspector Profile (sidebar)

Open Inspector Profile in the sidebar. Enter your name, role or title, and certification / licence number, then draw your signature in the box with your finger or mouse. Tap Save Profile. From now on, your name and signature appear in the sign-off block of every report.



Inspector Profile

Name: J. Rodriguez Role: Senior Site Inspector

Cert / Licence: NEBOSH 482-117

sign here

Save Profile

Inspector Profile - drawn signature appears on every PDF

Step 2 - Company details (Settings)

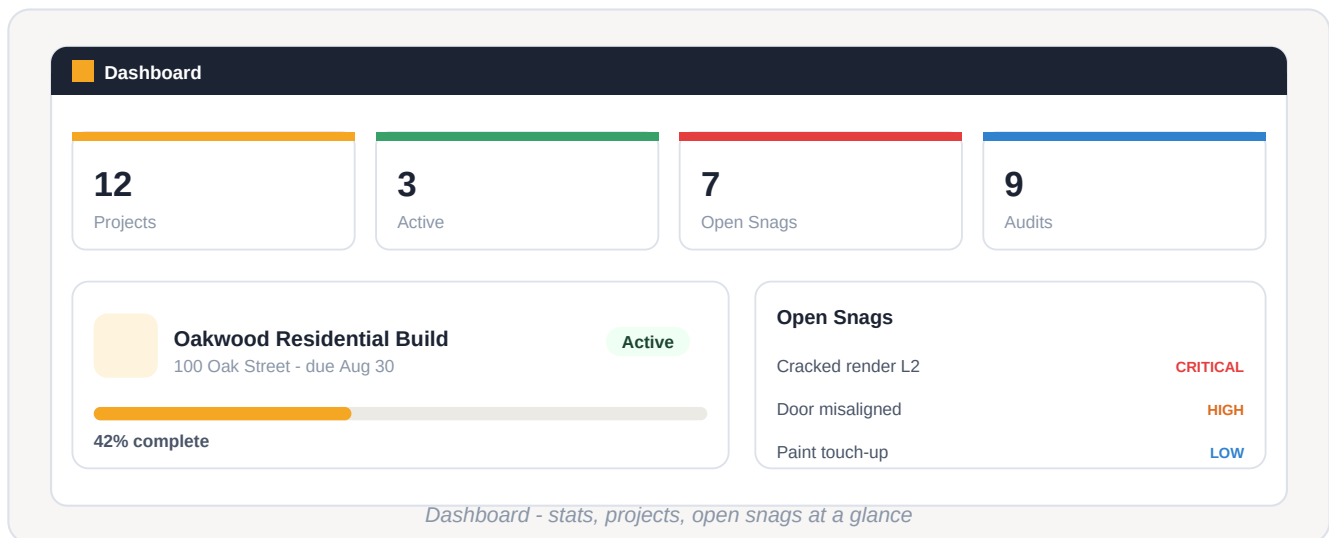
Open Settings and enter your company name, contact email, and address - and optionally upload your company logo. The name prints in the header of every PDF, and the logo appears top-right inside a clean white chip. PNG or JPG both look sharp; oversized files are resized automatically.

TIP

Both of these are stored on your device and included in backups, so you only ever do this once per device.

The Dashboard

The dashboard is your landing view: live stats across all projects, your active project cards, the open-snags table, and a recent activity feed.



- Tap any project card to open and edit it. The sidebar (or bottom bar on phones) jumps between modules.
- The red badge on Safety counts audits with failures; the Snag badge counts open snags.

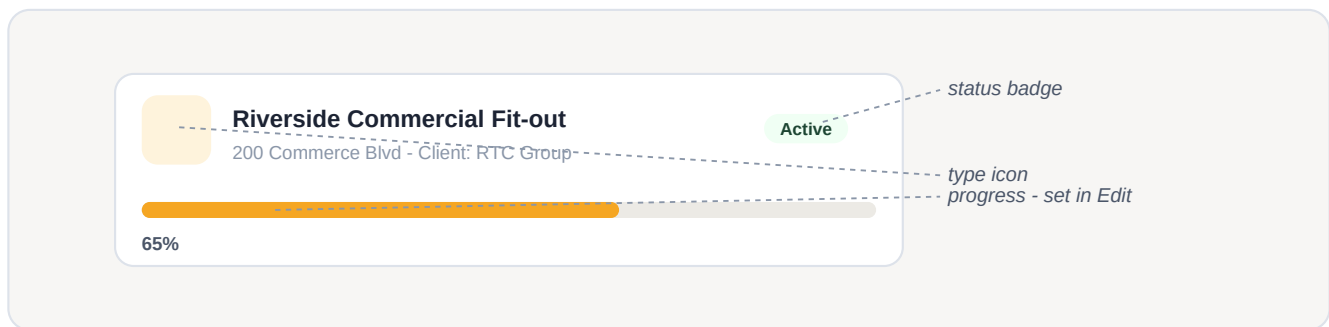
Projects

Everything in ConstructProof hangs off a project: audits, snags, and handovers all belong to one. Create a project per site or contract.

Creating a project

Tap New Project (top right or sidebar). Only the name is required - client, type, address, dates, status, and lead inspector are all optional but appear on reports when filled.

Anatomy of a project card



- Search and filters (All / Active / Pending / Done) live above the project grid on the Projects page.
- Deleting a project does not delete its audits and snags - they stay in the database. Delete those separately if needed.

TIP

The app ships with three sample projects so you can explore safely. Edit or delete them and add your real sites whenever you are ready.

Safety Audits

A safety audit walks you through a 35-item OSHA-style checklist across five groups: PPE, Fall Protection, Plant & Equipment, Fire & Emergency, and Housekeeping. Each item is marked Pass, Fail, or N/A.

Starting an audit

Safety Audits > New Audit. Choose the project, give it a title (e.g. "Weekly Safety Walk"), optionally set inspector, date, and zone, then Create & Open Checklist.

Working the checklist

Weekly Safety Walk - 34%

FALL PROTECTION

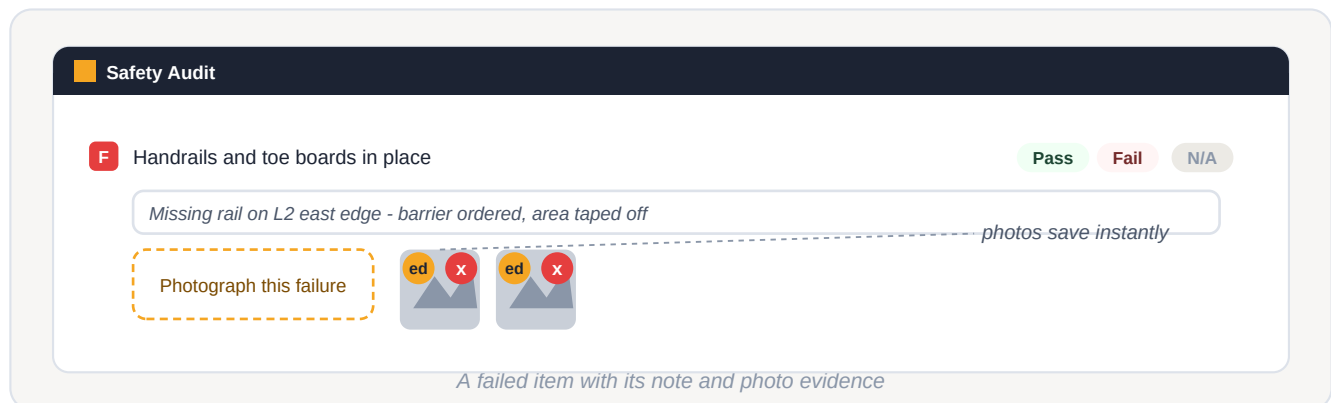
P	Scaffold boards fully boarded and secured	Pass	Fail	N/A
F	Handrails and toe boards in place	Pass	Fail	N/A
☐	Ladders secured top and bottom	Pass	Fail	N/A

Tap Pass / Fail / N/A - or tap the tick box to cycle states

- Your completion percentage and fail count update live in the top-right corner as you work.
- Mark All Pass fills every remaining unanswered item with Pass - useful when only exceptions need recording.
- An inspection timer starts automatically when you open the audit; the duration prints on the PDF.

When something fails: notes & photos

Marking an item Fail reveals two extra controls underneath it: a note field for describing the failure and required action, and a camera zone to photograph the evidence on the spot.



- Photos are compressed automatically (about 200 KB each) and saved to the device database the moment you take them.
- In the Safety and Compliance PDFs, each failed item shows its note in red with the photos embedded directly underneath.

TIP

On a phone or tablet the camera opens directly; on desktop a file browser opens so you can upload photos taken separately.

Inspector tools: GPS, weather & timer

Three one-tap tools inside every audit give your reports legal weight that competitors do not offer.

GPS Stamp

26.562331, -81.949532

Log Weather

23:41 - Overcast

The tool row at the top of every open audit

GPS Stamp

Captures your exact coordinates at the moment of inspection (your browser will ask permission the first time). The coordinates print on the PDF - proof you were physically on site. Useful in insurance disputes.

Weather log

Pick a condition (Clear, Overcast, Rain, Wind, Fog, Freezing) or type your own. Critical context for outdoor audits: a "Fail" on scaffold safety reads very differently in 40 mph winds.

Inspection timer

Starts automatically when you first open an audit and is recorded with it. Duration appears on the report - handy for hourly billing and demonstrating thoroughness.

Custom checklist items

Every site is different. At the bottom of every checklist group there is an add bar - type your own item and tap Add. Custom items behave exactly like built-in ones: Pass/Fail/N/A, notes, photos, and PDF output. Remove one with its Remove button.

+ Add custom checklist item... e.g. "Crane permit displayed at gate"

+ Add

Code Compliance

The Compliance module uses the identical checklist engine with a 25-item building-code template: Structural, Fire Safety, Electrical, Plumbing, and Accessibility. Everything you learned about Safety Audits - failures, notes, photos, GPS, weather, timer, custom items - works the same here.

- Failures are styled as violations in the PDF, highlighted in red with remediation notes.
- Use it for building-control submissions, pre-inspection self-checks, or client assurance packs.

Snag & Punch List

A snag (US: punch list item) is a defect found on site that needs fixing - a cracked tile, a door that will not close, missing paint. The Snag module tracks each one from discovery to resolution.

Logging a snag

New Snag > choose project and severity (Critical / High / Medium / Low), describe the defect, then optionally add location, assigned contractor, due date, notes, and photos.



The status workflow

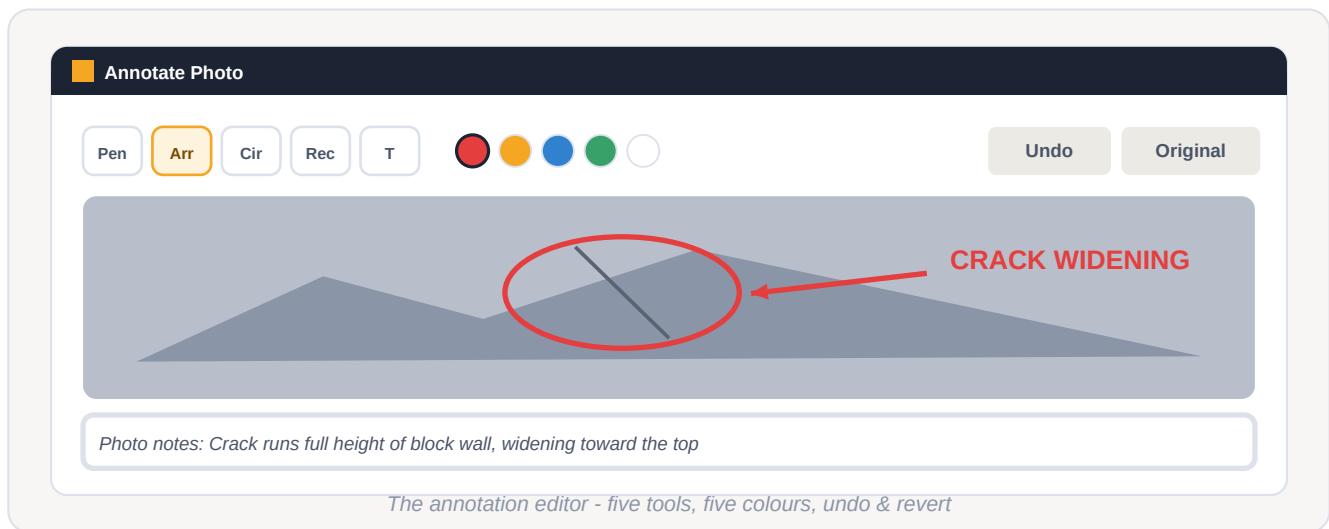
Open > In Progress > Resolved. Tap the cycle button on any card to advance the status without opening the editor, or open the snag to change anything. Use the filter buttons (All / Open / In Progress / Resolved) and the search bar to slice long lists.

TIP

Severity drives the PDF: the Snag List report groups items Critical-first so contractors see the urgent work at the top.

Photo annotation - mark up your evidence

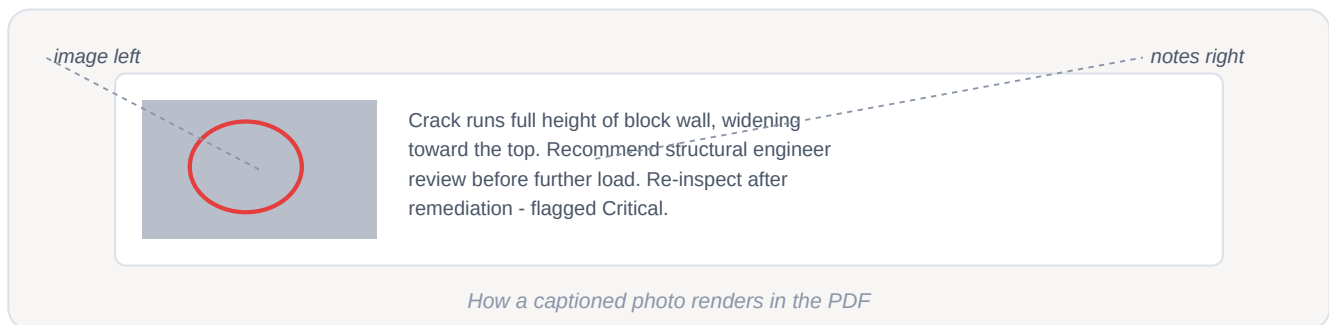
Every photo thumbnail has a small amber pencil button. Tap it to open the annotation editor, where you can draw directly on the photo to point out exactly what matters.



- Tools: freehand pen, arrow, circle, rectangle, and text labels typed straight onto the photo.
- Markup is baked into the photo when you Save - it appears everywhere the photo does, including PDFs.

Photo notes & the report layout

The notes field under the editor attaches a caption to that specific photo. Captioned photos get a premium layout in your PDF reports: the image on the left, your notes on the right.



- Photos without notes stay in a compact grid, keeping reports tight.
- A dark caption strip appears along the bottom of annotated thumbnails in the app so you can spot noted photos at a glance.

Revert to original

The first time you annotate a photo, ConstructProof quietly stores the clean original. The Original button in the editor strips all markup and restores it - nothing is ever lost permanently.

TIP

Captions, markup, and stored originals all travel with your JSON backups automatically.

Project Handover & client signature

When a project completes, create a Handover: a structured pre-handover checklist (External Works, Internal Finishes, Services, Snag Resolution, Documentation) finished with the client signing directly on your device.

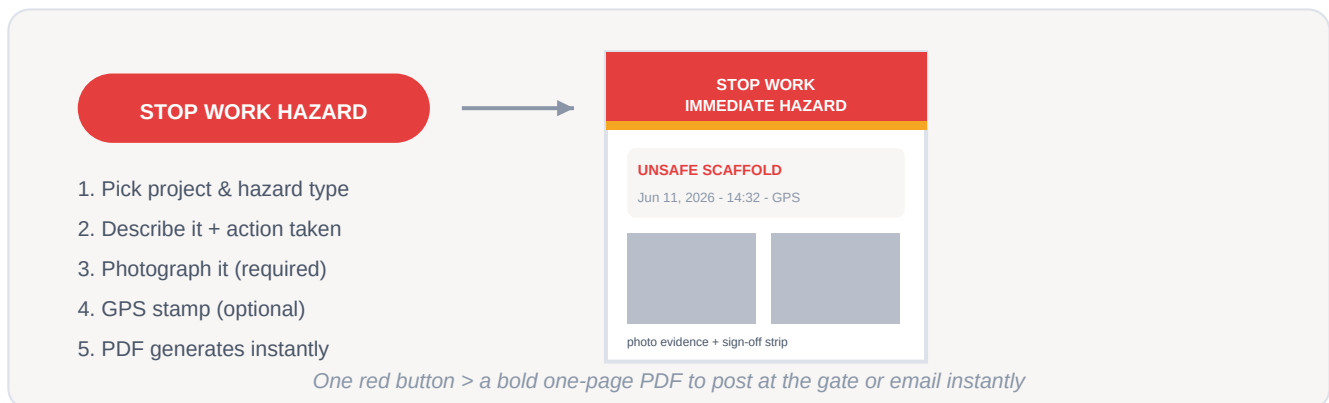


The screenshot shows a mobile app interface for a handover. At the top, a dark blue header bar contains a yellow square icon and the text "Handover - Oakwood Residential". Below the header, the main area is white. On the left, the text "Client Signature" is followed by a large, empty, rounded rectangular box. A wavy line representing a signature is drawn across the top of this box. To the right of the signature box is an orange button with the text "Save & Sign Off" and a smaller, light blue button with the text "SIGNED OFF". Below the signature box, the text "Works with finger on phone/tablet, mouse on desktop" is displayed. At the bottom of the app card, a caption reads "Client signs on screen - the signature embeds in the Handover Packet PDF".

- The Handover Packet PDF includes the full checklist, your conditions/notes, and a dedicated sign-off page with the drawn signature embedded as an image.
- Unsigned handovers show "Awaiting signature" on both the app card and the PDF, so nothing slips through.
- A signature can be cleared and recaptured any time before you issue the final packet.

Stop-Work Hazard Alerts

The red STOP WORK HAZARD button floats on every screen. When you find something genuinely dangerous - an unsafe scaffold, exposed live wiring, a structural failure - raise an alert in under a minute.



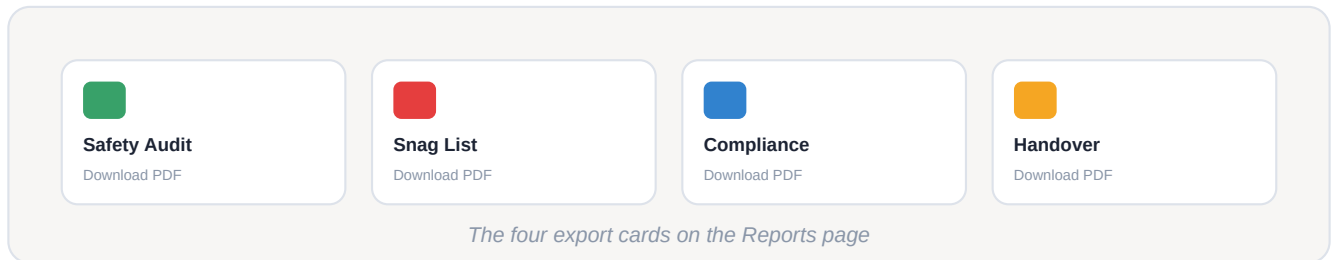
The alert is also logged to your activity feed with a red marker, and the reporter name and signature from your Inspector Profile appear in the sign-off strip - with a blank line for the site manager to counter-sign on the printed copy.

Team

Keep a roster of inspectors, admins, viewers, and contractors with emails and phone numbers. Assign snags to contractors by name so the Snag List PDF shows who owns each fix.

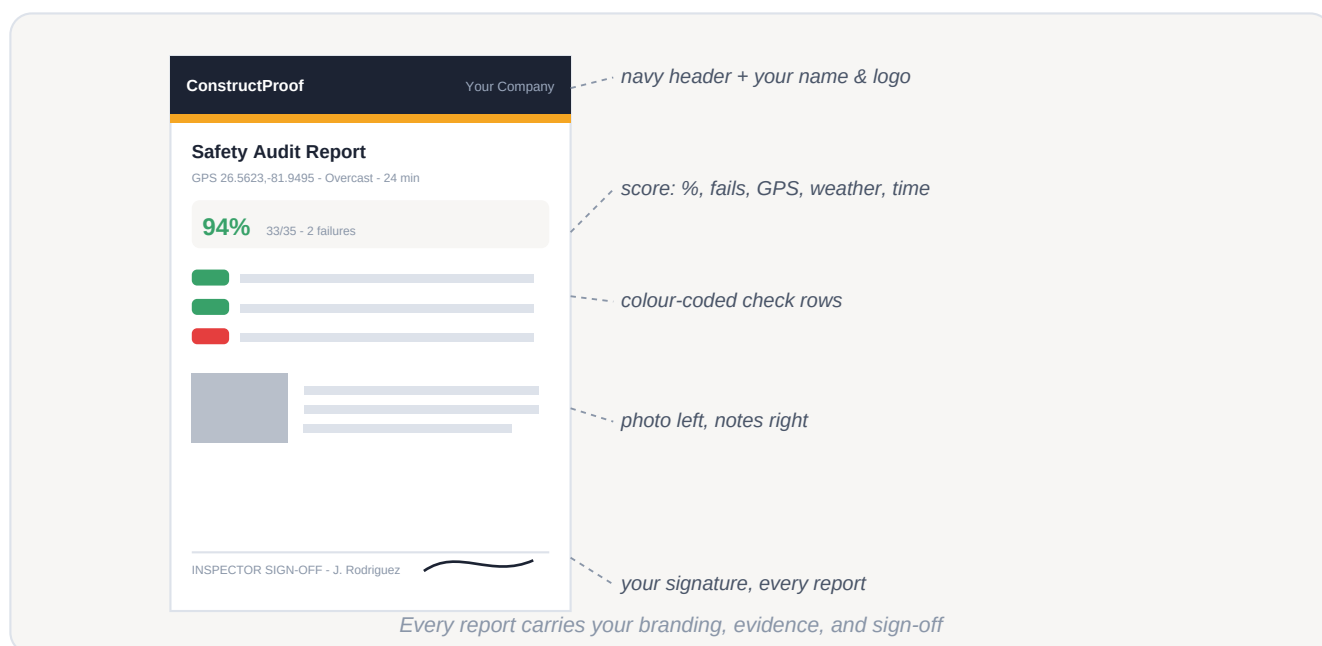
Reports - exporting PDFs

The Reports page shows live stats plus four export cards. Tap any card, pick the project or audit from the list that pops up, and the PDF downloads straight to your device - no internet needed.



- Stop-Work alerts generate their PDF automatically when raised - no separate export step.
- Reports also flag unresolved critical snags so you never issue a handover with urgent items open.

Anatomy of a ConstructProof PDF



Five report types share this design language: Safety, Compliance, Snag List (grouped by severity), Handover Packet (with client signature page), and the red Stop-Work one-pager.

Data, backups & restore

All data lives in your browser's IndexedDB on this device - projects, audits, snags, photos, signatures, settings. Nothing leaves the device unless you export it. That privacy is a feature, but it has one consequence: you are responsible for backups.

Backing up

Sidebar > Backup Data (or the bar at the top, or Settings). A single JSON file downloads, containing everything - including photos, annotations, captions, and stored originals. The filename carries the date.

Restoring

Sidebar > Restore > choose a backup file. You will be asked to confirm, because restoring replaces all current data on the device. Use this to move to a new phone or recover after clearing a browser.



IMPORTANT

Clearing your browser history/site data can erase IndexedDB. Back up before clearing anything, and keep a weekly backup in cloud storage or email as routine.

TIP

Backups are portable: restore the same file on your desktop and your phone to keep both populated (note: they will not auto-sync afterwards - that is a Business-tier cloud feature on the roadmap).

Using ConstructProof on your phone

No app store, no install. Open the app URL in your phone browser and add it to your home screen - it then launches full-screen like a native app and works offline.

iPhone / iPad (Safari)

- Open the app URL in Safari > tap the Share button (square with arrow) > "Add to Home Screen" > Add.

Android (Chrome)

- Open the app URL in Chrome > tap the three-dot menu > "Add to Home screen" (or "Install app") > Add.

On-site workflow that works

- The bottom navigation bar gives one-thumb access to Home, Projects, Safety, Snag, and Handover.
- Tapping any photo zone opens the camera directly - shoot, and it compresses and saves instantly.
- Signature pads and the annotation editor are touch-native: draw with your finger.

IMPORTANT

Do not use Private/Incognito browsing for real work - it blocks the app's storage. If you ever see the "Storage is unavailable" screen, reopen the page in a normal browser window.

Troubleshooting

Blank or error screen on open

You are likely in Private/Incognito mode. Open the URL in a normal window. The app shows a "Storage is unavailable" screen with a retry button in this case.

GPS button says it cannot get location

Your browser needs location permission. Check the padlock icon in the address bar > Site settings > allow Location, then try again.

Photos missing after reopening an audit

Update to the latest app file - early versions had a fail-photo storage bug, fixed in Phase 2.5. Photos now save the instant you take them.

PDF did not download

Check your browser's download permission/pop-up settings for the site. On iPhone, downloads appear in the Files app under Downloads.

I cleared my browser and lost data

Restore your latest JSON backup via Sidebar > Restore. This is why the weekly backup habit matters.

Five habits of effective users

- Set up Inspector Profile and Settings before your first real audit - every PDF benefits.
- Photograph every Fail, and annotate the photo: an arrow saying CRACK beats a paragraph.
- Use Mark All Pass after recording exceptions to finish routine walks fast.
- Backup weekly; before any phone change or browser cleanup, backup first.
- Raise Stop-Work alerts immediately - the one-pager exists so danger never waits for paperwork.



Inspect with confidence.

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