

CONSTRUCTION AND ENGINEERING

Job Site Tech Essentials Guide

Keep crews connected, plans current, and project files safe from the trailer to the office.

Construction runs on current drawings, fast answers from the field, and payment processes that attackers love to target. This guide covers the technology a growing contractor or engineering firm needs, whether the work is in Boston or out past Route 128.

How to use it: tick what you have in place today. Anything left unticked is a conversation worth having.

01 Connect the field

- ☐ **Reliable job site internet with a cellular backup**
Trailers need connectivity on day one.
- ☐ **Rugged tablets and phones managed centrally**
Lost or broken devices get wiped and replaced fast.
- ☐ **Cloud access to current plans and RFIs**
Crews should never build from an old revision.
- ☐ **Project management software integrated with accounting**
Procore, Buildertrend, or similar, connected to the books.
- ☐ **Secure remote access for estimators and PMs**
No shared passwords on the trailer laptop.

02 Protect the business

- ☐ **Multi-factor authentication on email and accounting**
Contractors are prime targets for fake payment requests.
- ☐ **Vendor payment and bank change requests verified by phone**
Business email compromise hits subcontractor payments.
- ☐ **Endpoint protection monitored 24/7 on every device**
Including the field laptops.
- ☐ **Role-based access to bids, contracts, and financials**
Not everyone needs the estimating folder.
- ☐ **Daily backups of project files with an off-site copy**
Plans, submittals, and photos are evidence later.

03 Grow without chaos

☐ **Onboarding and offboarding for seasonal staff and subs**

Access ends when the job does.

☐ **Asset tracking for devices and equipment**

Know what is on which site.

☐ **Storm plan for project data and the main office**

Field operations restart faster than the office if data is in the cloud.

☐ **Standard setup for new job site trailers**

Same network, same devices, every time.

☐ **Quarterly IT review against your project pipeline**

Plan for the next big job before it starts.

Red flags we see most

- Crews text photos of plans because they cannot reach the server.
- Bank changes for subs are approved by email.
- Every trailer was set up differently.
- Project files live on one PM's laptop.

Where to start

Put a verbal verification rule on every payment change. Construction firms lose more to fake invoices than to any other attack.

Want a second set of eyes?

Book a free 30-minute technical assessment. A senior engineer walks through this checklist with you and tells you what to fix first. No sales script, no obligation.

Book a technical assessment

(617) 322-5155

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