

Saving time and money with efficiency.



In-wall QC workflow using StructionSite's 360° photo documentation tool.

To get a close-up look at how one group integrated StructionSite documentation into their workflow, we spoke to Monica Chhatwani, LEED AP BD +C for DPR Construction®. Stationed on a major construction project in South San Francisco, she was instrumental in implementing a more efficient QC workflow to capture in-wall conditions before, during and after wall closures. Chhatwani had a number of key takeaways for those looking to implement a similar system, so we thought we would share these with our readers as a case in point

Optimizing the schedule

The project was a large life sciences research building project which was using the Takt methodology for scheduling. QC was assigned its own Takt, which is a 5-day activity per Takt 'area', with each area covering roughly 6000 sq. ft. To implement this documentation standard, the team made sure a workflow was in place to know how/when/who and the use for each instance of documenting a Takt area.

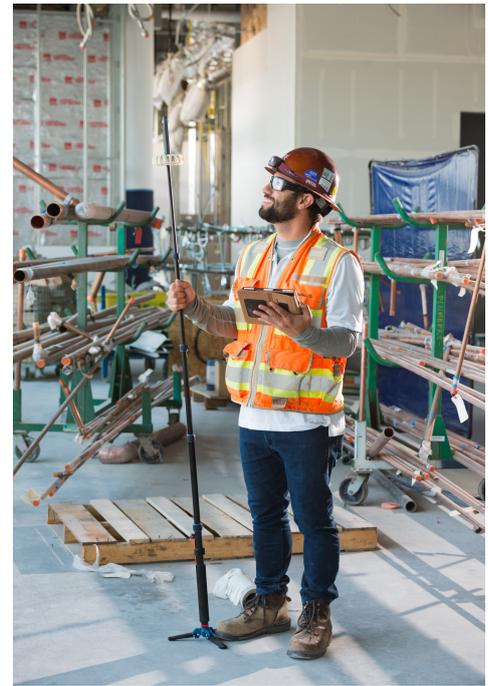
Workflow method

- » **In-wall image capture** QC Foreman takes pictures of all the rooms in the QC Takt area that week using 360 Camera.
- » **Reporting on Non-Conformance** On the in-wall QC checklist – Autodesk BIM 360 Field Checklists were used to report and track issues by floor and by room.
- » **Image Capture Post Drywall** Completion – Tape & Finish Takt – photos of all the spaces taken as 360° progress photos
- » **Issue resolution** Prior to sheetrock install on framed walls

Implementing StructionSite

Chhatwani found the StructionSite platform so user-friendly and intuitive. Clarifying their process beforehand, two people captured the photos. Each week, there was at least one Takt area to document. Anytime a problem arose, they added the area with issues to their list for the week, although, most weeks they did not have more than two areas to document.

The superintendent had no problem using the system. In fact, if she had any regrets, it's wishing she made more team members aware of the photos available for them to use.



Key benefits

Location-Based Photo Documentation

Helped in going back and looking at in-wall or overhead items for coordination.

Well-Defined Process

Enabled a robust system of what and when to photograph.

Meetings were more efficient

AV subs could check for rough-in completed by electrical trade partners from 3-5 months prior in the walls.

Issue Resolution Efficiency

On several occasions, the Commissioning agent and MEP coordinators referred to the 360° photos to review the overhead MEPP systems to identify and locate items prior to ceiling close-up efficient.

Owner Turnover

Produce a professional, vendor-neutral, PDF + JPEG deliverable that does not require any software to access and view.



In-wall (Pre-rock)



QC Forman



Electrical capture