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PlanGrid: Advanced Field Workflows

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Learning Objectives

- Learn how to execute a daily sheet metal progress report
- Learn how to successfully complete a pre-pour checklist
- Learn how to generate and close out tasks directly from the field
- Learn how to place a video taken in the field onto a 2D sheet

Description

PlanGrid has been taking the construction world by storm ever since its creation in the early 2010s. Thousands of projects throughout the world have utilized this product, and it is widely used by general contractors as well as subcontractors. This class will go through custom field workflows for PlanGrid, and will be centered around the PlanGrid mobile app. We will touch on several different field workflows that are being used in the construction industry today and how they can be performed all in PlanGrid's mobile app. This course will go beyond the basics of PlanGrid and will enable learners to see how easy and intuitive PlanGrid is, even when performing advanced field workflows.

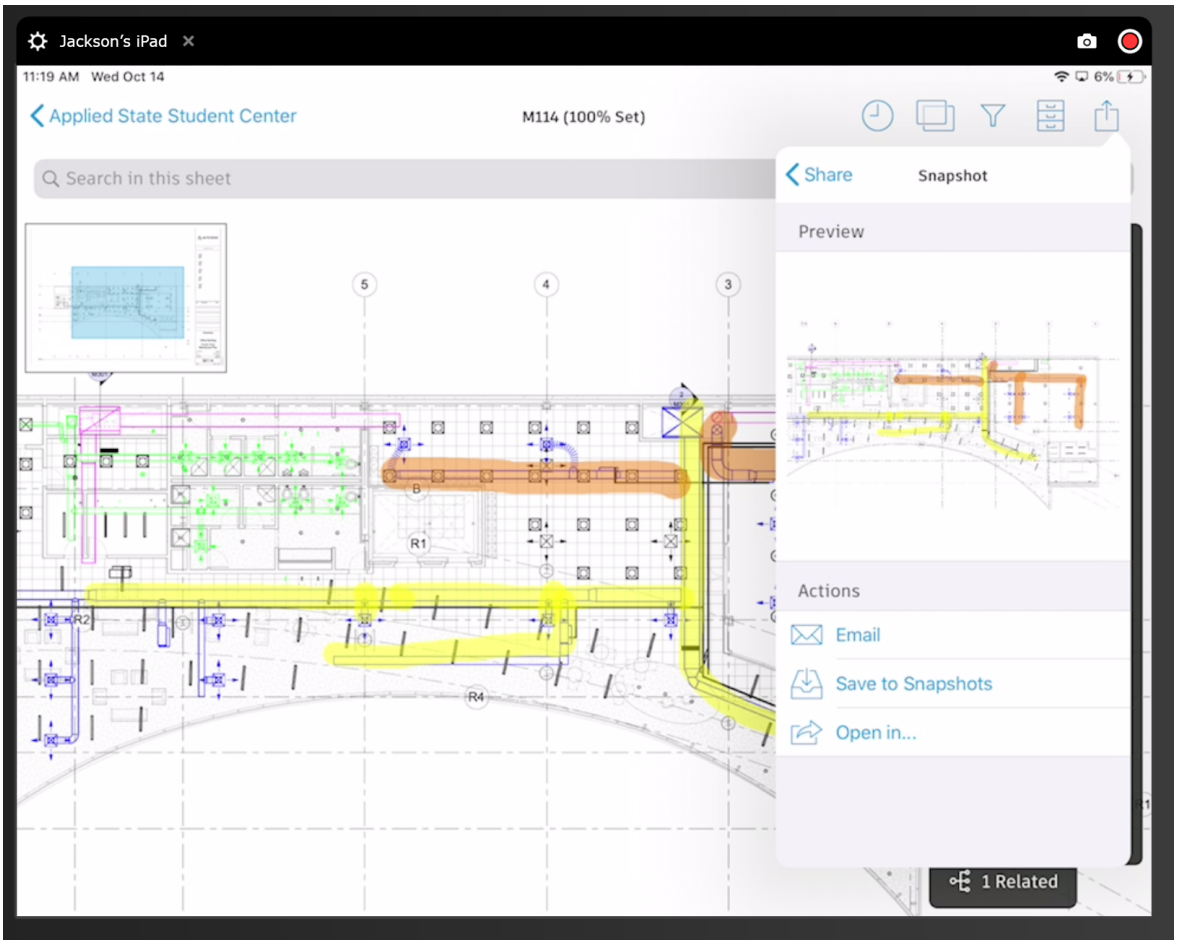
Speaker(s)

Jackson graduated from Texas A&M University with a Construction Science degree and has been contributing to the construction industry ever since. He has experience working with both a general and subcontractor and has worked on a wide variety of projects. His project experience includes a high-rise hotel, datacenter, cleanroom and a church renovation. Jackson helped implement PlanGrid at his former company and helped lead to it's adoption in each project that was undertaken. Since joining Applied Software as an Implementation Specialist he has helped construction companies implement PlanGrid, BIM 360, ACC Connect and 360 Sync.

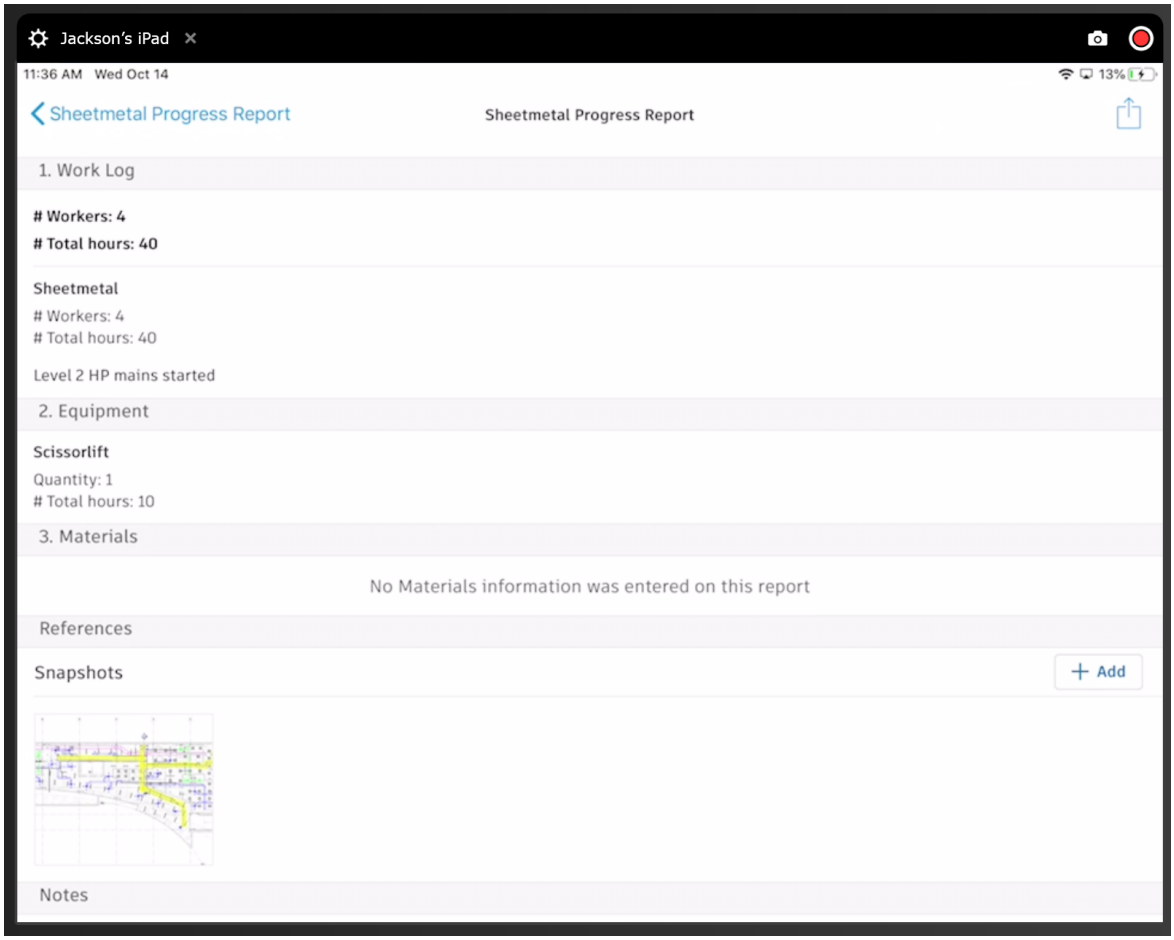
Learn how to Execute a Daily Sheetmetal Progress Report

In the past ,and in some sitations presently, filling out a progress report on the work completed that day was an exclusively paper based process. Superintendents and foremen would go to the jobsite office and pick up a printed out template for a progress report. Then thoughout the day as work was completed they would highlight drawings to show the progress that was made that day, and attach that to a filled out paper report. Once the report is complete and the highlighted drawing is attached that would go in a completed bin in the jobsite office where the project engineer then scans the report in to the server. This process not only wastes paper but it results in wasted time across the board. Using PlanGrid, this entire workflow can be completed by one person on either a phone or tablet!

- The first step in completing a sheetmetal progress report is to highlight the duct that has been installed that day. It's a best practice to use different color for each day you are installing duct on a particular floor. Once you have highlighted all of the duct that was installed that day, take a snapshot that way you can save that as an attachment to your progress report



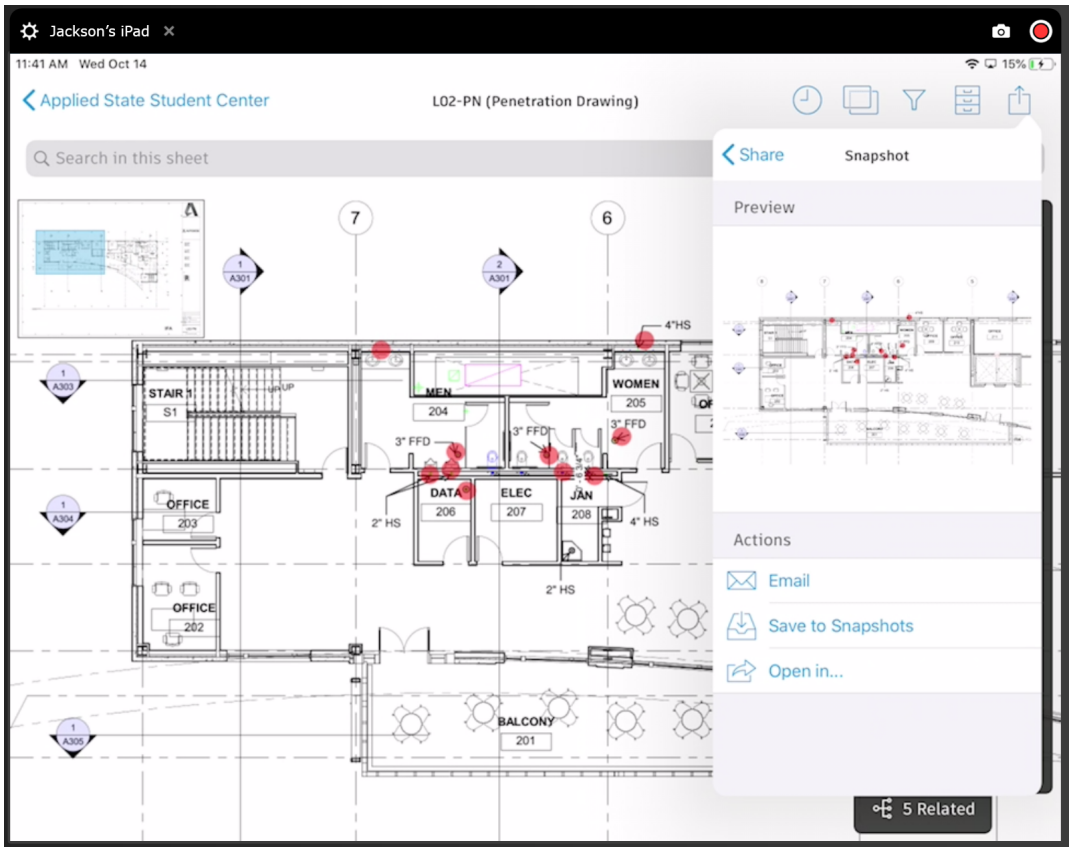
- Once you have highlighted the duct that was installed that day and saved it as a snapshot it's time to fill out the sheetmetal progress report field report. Fill in the crew size/hours, materials used, and any equipment that was used. It is recommended to add photos of the work completed and be sure to attach the snapshot to the report.



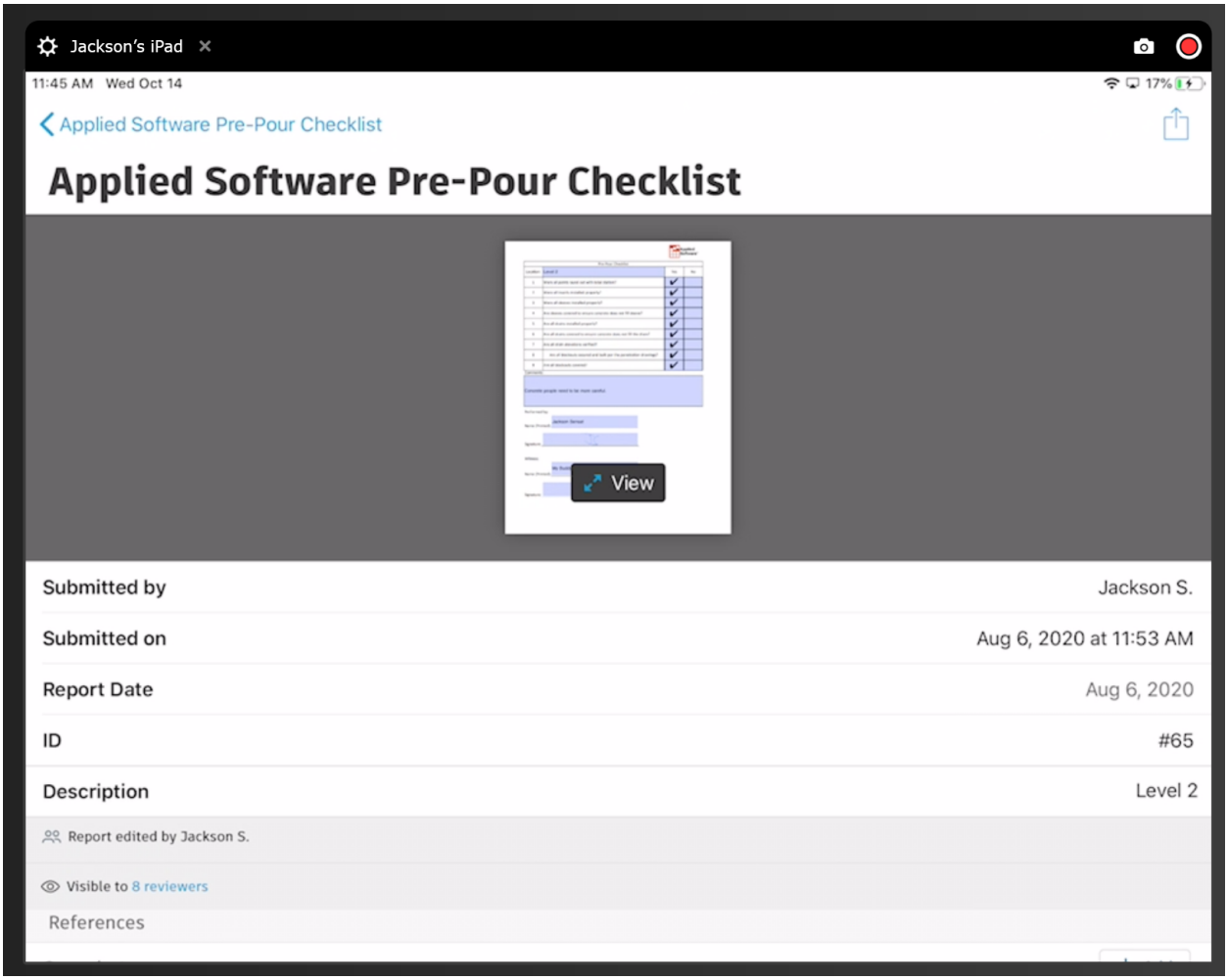
Learn how to Successfully Complete a Pre-Pour Checklist

MEP and general contractors have all had to experience the pain of having to core a hole in already poured concrete due to a sleeve or blockout either not being placed or placed in the wrong spot. To combat this, contractors go through a pre-pour checklist where they walk the day before a concrete pour to ensure that every sleeve, drain, and blockout is not only there, but placed in the correct spot. This is especially important for plumbing contractors who have to stay within walls. In the past this process was mainly paper based, checking off each sleeve on a drawing and filling out a checkist. Using PlanGrid this entire workflow can be executed from directly within the app!

- The first step in completing the pre-pour checklist is to check off all of the sleeves, drains, and blockouts on your penetration drawing located in Sheets. The best way to do this is to highlight each of the penetrations on the drawing as you verify that they are there and in the correct spot. Once that is done take a snapshot of the sheet that way you can add it to the Pre-Pour Checklist field report.



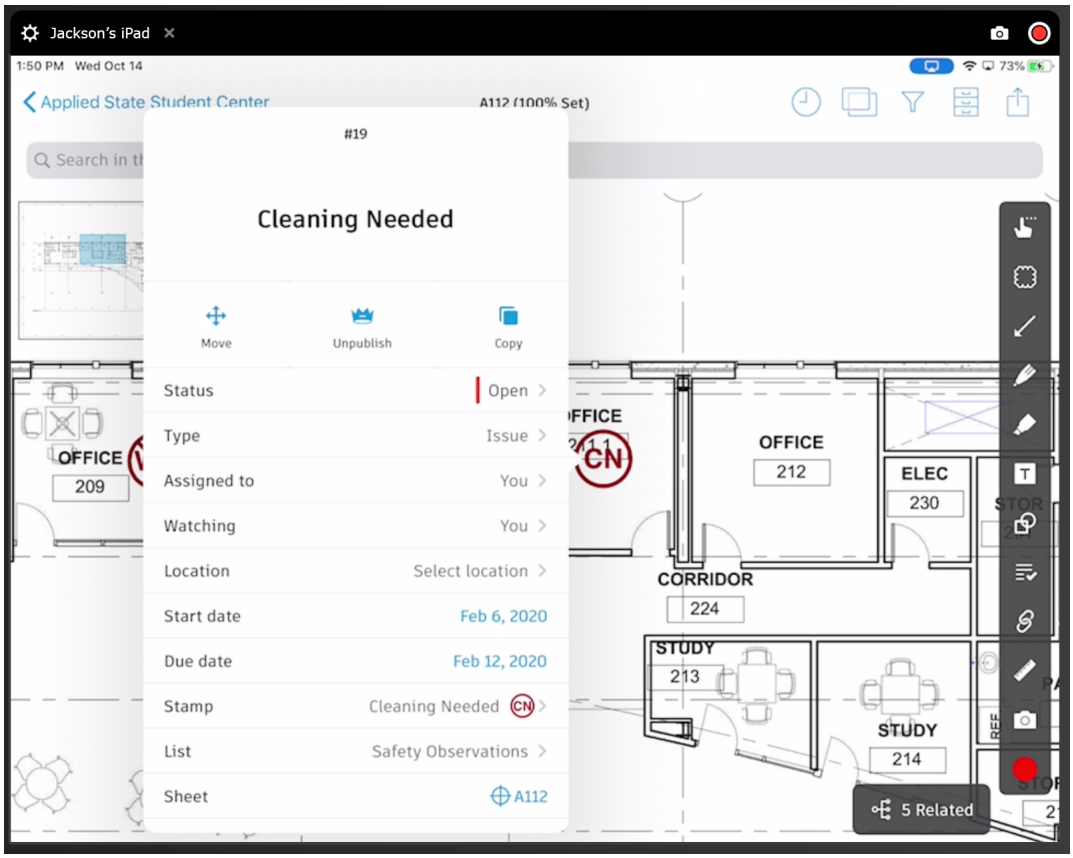
- Once you have verified that all sleeves, drains, and blockouts are there and in their correct spot, it's time to fill out the Pre-Pour checklist field report. It is recommended to take plenty of pictures of the deck prior to the pour and add that to the field report. Also be sure to attach the snapshot of the highlighted penetration drawing to the report.



Learn how to Generate and Close Out Tasks from Directly within the Field

When taking on a new job we all have a defined scope. We all want the job to go off without a hitch and for everything to be installed right the first time. What happens when something gets installed incorrectly? Or when a contractor accidentally damages another contracotor's work? How to we track the issues on a job that arise? Before using PlanGrid my process was to carry around a small notebook, log issues as I discover them, take a picture, call the person responsible for fixing the issue, and then once back to the jobsite office the issue would be logged in a spreadsheet. This process left a lot of room for issues to fall through the cracks and did not create an acceptable level of accountability. Using PlanGrid once you discover an issue you can log it immediately and the responsible party is notified. Greater accountability on the jobsite=more profitability to the bottom line.

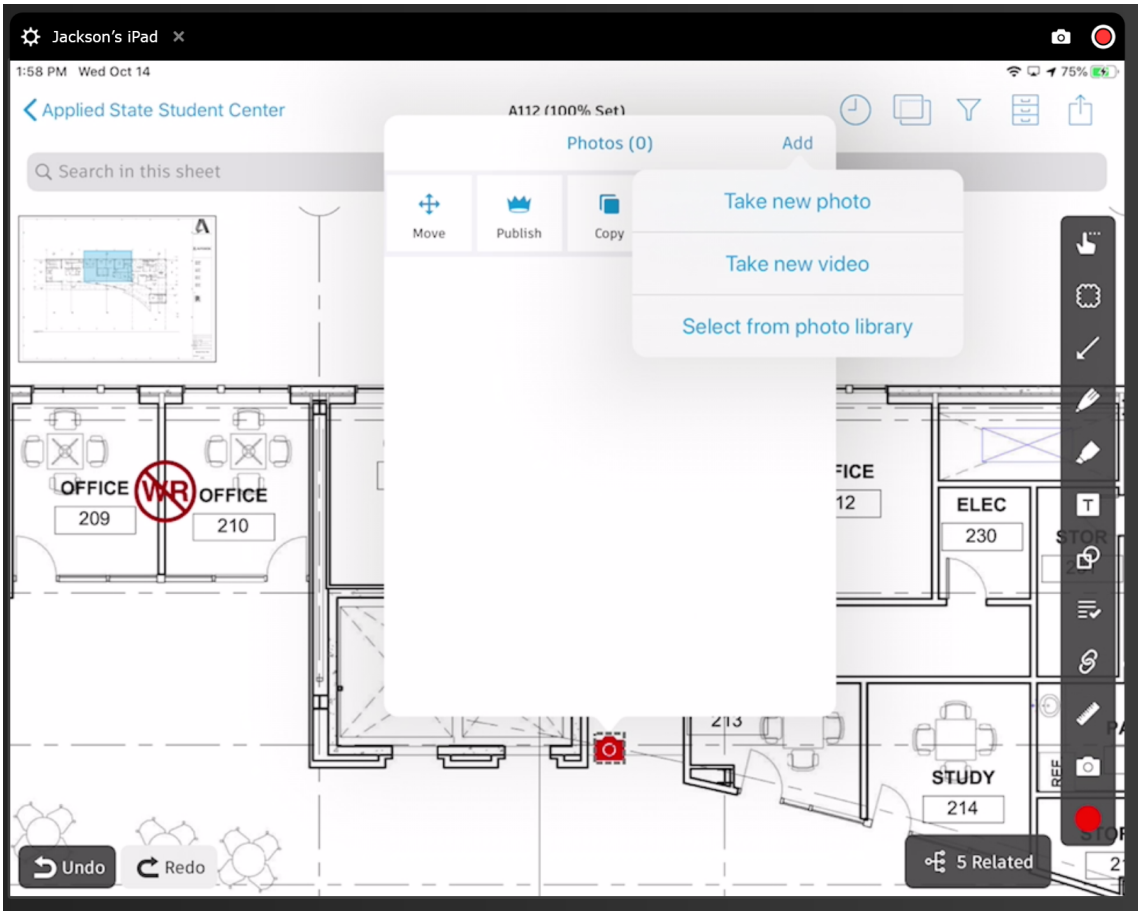
- When walking through the field it is always best to be on the lookout for anything that might be out of the ordinary. When discovering an issue in the field you should immediately go to the sheet that relates to where you are at in the building. Find the spot you are in and place an issue stamp. Fill out the issue dialog and take a picture of the issue. Once the issue is published, the assignee will be notified via email.



Learn how to Place a Video taken in the Field onto a 2D Sheet

PlanGrid was among the first to allow you to take a photo and place it directly on a 2D sheet. That has been taken a step further with the ability to take a video in the field and place it onto a 2D sheet. Imagine an 18 year old plumbing apprentice who is fresh on the job and doesn't know the difference between a no-hub connection and a brazed connection? What if your superintendent could upload a training video on how to make certain connections onto the drawing with those connections? With PlanGrid, that is reality.

- If you are walking through the field and want to add more information to a sheet for your workers on a particular connection, installation method, or just to document what's in a wall before a wall is closed up you can create a video. Simply open a sheet, click the camera icon, place the photo/video stamp and choose to take a video. When you do this a video will be added on to a sheet and it can be referenced by your entire project team.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