TLC Technology Enhancements – making TLC a great teaming partner!

Speed and accuracy are driving forces in harnessing technology to support TLC's design efforts. Two recent changes at TLC were made with those key drivers at the forefront. In advance of architectural teaming partner requests we have added REVIT 2020 to our stable of dependable software tools. Additionally, to help automate repetitive tasks and monitor model health, TLC is now using IMAGINiT Clarity software. Investing in technology helps TLC deliver on our commitments to you and maintain project schedules with accurate documents. Here's what TLC's BIM Technologist and resident BIM expert, Sam Leo, has to say about Revit 2020 and Clarity:

REVIT 2020

Annually TLC invests in the Autodesk Subscription Program that includes access to the latest versions of Autodesk Products, one of which is Revit. The new kid on the block is Revit 2020 (deploying to all TLC users this month) and with it comes an array of new features. This may be my favorite version of Revit so I'd like to share what makes it so special. Let's look at a few of the improvements and new features found in this new version and how these will benefit production efforts.

New Feature #1 - General: Import PDF Tool, yes you read right, PDF. This "Wish List' request was among the top requests to Autodesk for probably 18 years and they've delivered. The workflow is similar to Autocad's, plus if there are vector lines in the PDF, you can snap to these lines.
Benefit – drawing PDFs can now be used as backgrounds, just crop in Bluebeam, import it, and model on top of it.
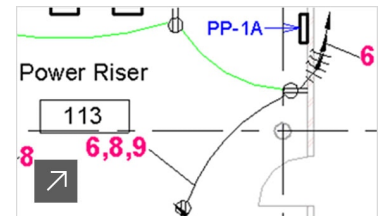
New Feature #2 – General: You can now assign and manage Scope Boxes in View Schedules.
Benefit – efficiently track your plan views's scope boxes in TLC's Manage Views Schedule by adding Scope Box to the list of displaying parameters.

New Feature #3 – Electrical Homerun Wiring: Electrical designs now have more choices and control over homerun wirring arrowheads and tick marks.
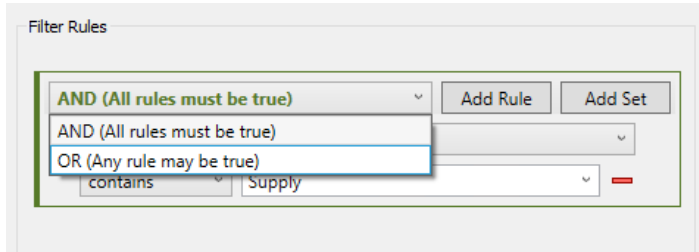*Benefit – put your pencils down, no more drawing detail lines or inserting detail groups to display wiring homeruns.*

New Feature #4 – "Elevation from Level" parameter: This system parameter can now be used in schedules, view filters, and annotation tags.
Benefit – plumbers, do you want to display sanitary piping below slab, but don't want the vent piping in

the same space to show up? Now you have more visibility control of such elements when employing this parameter.

New Feature #5 - Revit 2019 – General: Filter Rules now can have 'OR' expressions. This feature was first introduced in Revit 2019 and continues to be a favorite in the Revit community.
Benefit – Less Filter Rules, less hassles, less wasted efforts.

For a complete list of new features go to https://www.autodesk.com/products/revit/new-features.

IMAGINiT Clarity

TLC kicked off Clarity for use firm-wide recently after training Clarity Ambassadors in each location who are responsible for creating and managing tasks that support Revit production. By automating repetitive tasks such as printing PDF sets, exporting DWGs, sharing files or backing up files, significant time savings can be realized. Additionally, Clarity can monitor model health and provides performance advisory based on industry standard model metrics, all displayed via a set of dashboard views for a quick check. Clarity also has the ability to backup BIM360 Projects from Autodesk's cloud to TLC's local networks, assuring that TLC will always have access to the latest set of models should the BIM360 Cloud system become unavailable. With just the Ambassadors' initial effort, in one week, 770 tasks were completed by Clarity, saving more than 160 hours, allowing technical staff to focus on TLC clients' needs. For more info on Clarity, visit: https://www.imaginit.com/software/imaginit-utilities-other-products/clarity

Sam Leo, BIM Technologist, manages TLC's BIM/Revit Technology implementation by directing and assisting internal Revit Committees on the development of tools and workflows that promote efficient and standardized use of the technology. He may be reached at samuel.leo@tlc-eng.com