TRIMBLE FIELD POSITIONING SOLUTIONS FOR GENERAL CONTRACTORS

Construction Layout for General Contractors

SETTING THE STANDARD

Trimble Field Link for Structures is the definitive construction layout solution for the general contractor. With the increasing needs of contractors implementing Virtual Design & Construction (VDC) and Building Information Modeling (BIM) construction processes, Trimble Field Link for Structures takes construction layout and field tasks to the next level.

The value of BIM must extend beyond pre-coordination to gain the true benefits of productivity and efficiency.

That's why general contractors look to bring design intent to the field with Trimble® Field Link for Structures. Featuring task-based workflows, customizable views and a touch screen user interface designed to optimize the information presented, Trimble Field Link extends field layout capabilities. In addition to the advancements made in performing layout specific tasks, Trimble Field link adds reporting routines to detail layout productivity as well as the ability to document daily field activities and existing site conditions for RFIs.

TRIMBLE FIELD TABLET

Engineered for harsh field conditions, the Trimble Field Tablet is rugged and built to withstand the daily abuse of construction work. It meets stringent military standards for drops, vibration and humidity; and with an IP65 rating, it is protected against dust and water. The full-color, seven-inch screen uses a Gorilla® Glass display that is scratch and impact resistant and features a new dual-technology system created specifically to enhance sunlight readability for outside work. No matter how bright or direct the glare on the jobsite, the Trimble Field Tablet is clear and easy-to-read. A multi-touch, gesture-controlled touchscreen allows users to type, pan, and zoom with fingers, a stylus or capacitive gloves.

TRIMBLE FIELD LINK FOR STRUCTURES LAYOUT SOFTWARE

Taking full advantage of the Trimble Tablet's processor, Windows 7 operating system, and multi-touch screen functionality, Trimble's layout software has been designed to work the way you work. A few of the key features of the software are:

- Import 2D and 3D CAD files with field points for easy field stake-out
- Customizeable layout views as either a list, 2D map, or 3D model options
- Create and view layout reports by daily layout summary or layout deviation
- Intuitive connection and set-up of the Trimble Robotic Total Station

INTEGRATED 2.4 GHZ RADIO

FULL-FEATURED TRIMBLE FIELD LINK SOFTWARE RUNNING ON THE WINDOWS 7 OPERATING SYSTEM

5 MEGAPIXEL CAMERA

7" MULTI-TOUCH GESTURE CONTROL SCREEN

RUGGEDIZED TRIMBLE TABLET

BIM Workflows, Built-in

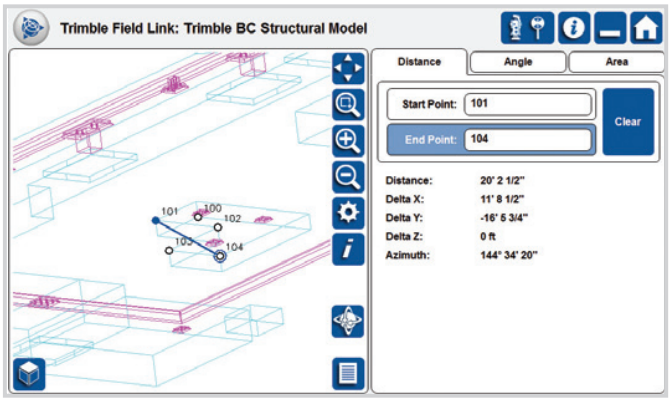
TRIMBLE FIELD LINK SOFTWARE

CONNECTING THE OFFICE TO THE FIELD (BIM TO FIELD)

By using CAD based field point creation solutions as part of your detailing process, you can easily export a design file to import into the Trimble Field Link software. This allows your field crews the ability to easily stake-out points, reducing error and maximizing productivity.

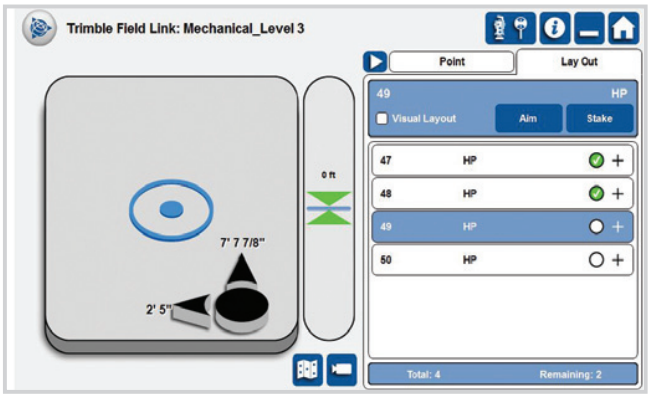
More efficiencies by connecting office based workflows to the Trimble Field Link layout software are:

- View and execute field stakeout routines within 3D models created in popular BIM detailing packages.
- View field point attributes created in the office that define various datapoints such as: manufacturer, component type and size, etc.
- Collect field point deviations within the stakeout routines and export for use in BIM detailing solutions back in the office.
- Create design locations from CAD such as endpoint, midpoint, arc/circle, node, insertion, and intersection.



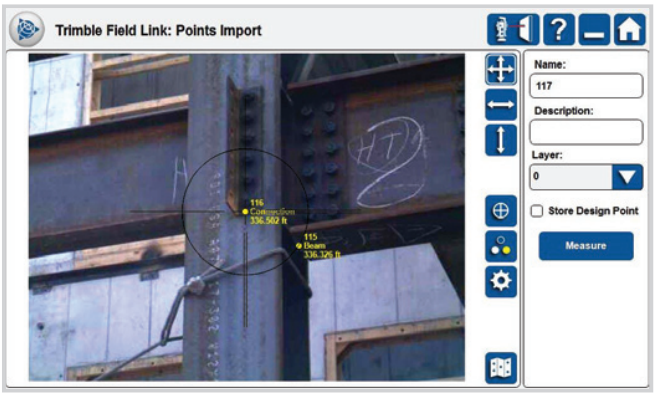
3D JOB DATA IN THE FIELD

- Easily visualize and then stake-out field points such as wall penetrations, hanger locations, cable tray attachments and stub-up locations within a 3D environment.
- Within the Model Viewer feature, easily toggle layer and background controls for increased visibility into problem areas.
- By importing a design file into the Trimble Field Link software, field crews can create points on-top of the design file for stake-out.



SIMPLE LAYOUT INTERFACE

- A list of points to be staked is created eliminating the need for field crews to "skip" points that do not need to be staked.
- Users have the ability to customize their view of the layout screen to view in full-screen mode, view as list, view as 2D overhead map, and view as 3D map.
- "Bullseye" view in layout mode displays horizontal and vertical intolerance notifications when prism is near the field point.



TRIMBLE VISION VIEW CONTROLS

- Available with the Trimble RTS773 and Trimble RTS873 instruments, users are able to remotely see, control and measure through a live video feed from the instrument on their Trimble Field Tablet within the Trimble Field Link software.
- To provide an accurate documentation of the design and field image that is displayed within the Trimble Field Link software, job data including points and linework are overlaid on the camera image.

Innovative Hardware Options

INDUSTRY LEADING HARDWARE

A HISTORY OF INNOVATION

Trimble took the heritage and technology found within its manual, multi-person total stations for survey and heavy-civil applications and engineered a new, one-person, robotically controlled total station for vertical construction applications. The result was the Trimble RTS (Robotic Total Station) series of construction layout instruments. Since that time, Trimble has extended the functionality of the RTS family, creating iterations that support the specific needs of the general contractor as well as the concrete and general contractor.

A TRUE, ONE-PERSON SOLUTION

Trimble robotic total stations provide continuous measurement information for the accurate layout of your design data. On the jobsite, you can set up the total station in a convenient, visible location and perform positioning up to 3000 meters (9,843 feet) away with the prism pole. In addition, to reach dangerous or difficult locations, you can use the reflectorless distance measurement capability to measure positions up to 800 meters away.

TRIMBLE RTS655

- BEST — Measuring Range (Prism)
- BEST — Measuring Range (Prismless)
- GOOD — Laser Spot Visibility
- GOOD — Accuracy Level
- NO — Trimble VISION Compatibile (Camera)

TRIMBLE RTS773

- BEST — Measuring Range (Prism)
- GOOD — Measuring Range (Prismless)
- GOOD — Laser Spot Visibility
- BEST — Accuracy Level
- YES — Trimble VISION Compatibile (Camera)

TRIMBLE RTS873

- BEST — Measuring Range (Prism)
- GOOD — Measuring Range (Prismless)
- BEST — Laser Spot Visibility
- BEST — Accuracy Level
- YES — Trimble VISION Compatibile (Camera)

TRIMBLE GENERAL CONTRACTOR / CONSTRUCTION MANAGER (GC/CM) DIVISION

Trimble's GC/CM Division is a leader in providing integrated BIM services and solutions for the general contractor. By connecting key workflows between estimating, scheduling, project controls, and field positioning, Trimble helps small, medium and large general contractors reduce project risk while increasing overall productivity and efficiency. Combined with deep domain knowledge of general contractor processes in the sub-trades as well as expertise in positioning technologies, Trimble offers a comprehensive portfolio of solutions for today's contractor.

TRIMBLE GC/CM: CONSTRUCTION IS OUR HERITAGE

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