Ideate BIMLink

Common Workflows for Structural Engineers

Task	Task Description	Task Frequency per Project	Average Time Saved per Project (HRS)*
Swap Structural Framing Instances	Swap structural columns, beams, and framing based on results from analysis software, such as ETABS® and Tekla®	**2-4x** per project	4.0
Audit General Structural Framing	Review structural framing instance properties, such as hosts, phasing, level references, comments, etc.	**2-4x** per project	4.0
Coordinate Data Extraction	Extract coordinate data from the structural model or import coordinate data from total station into Revit for detailed as-built coordination work	**2-4x** per project	8.0
QA/QC Level & Grid Comparisons	Extract grid and level information, such as name, number, X,Y,Z coordinates, etc. to compare against architectural model to ensure alignment	**1x** per week	2.0
Coordinate Slab Edges	Compare slab edges against hosts to ensure alignment	**2-4x** per project	8.0
Push Column Analytical Data into Tables	Review analytic information about structural column instances, including rotation, comments, and more	**2-4x** per project	20.0
Review Rebar Shapes	Review a variety of rebar shape parameters and make edits to certain properties. Gather rebar info to quantify reinforcement	**2-4x** per project	8.0
Manage Generic Annotations - Bolt and Weld Schedule Data	Manage detailed generic annotation data as it relates to structural-specific families such as bolts or welds	**1-3x** per project	4.0