“The MEPPP revolutionizes how projects are designed and documents are produced.”

Ed Studniski, PE, LEED AP BD+C.
– President, Gausman & Moore

www.ctcexpressstools.com
Source of ROI - Return on Investment Realized
• Significant time reduction in model setup
• Benefit from an established standard that can be deployed company-wide
• Views, risers, sections and schedules begin populating the moment elements are place
• Intelligent content avoids duplication efforts as well as costs associated with errors and omissions for fixing inconsistent information across construction documents
• Streamlined workflows for using any future family from a manufacturer
• Design assists scheduling to improve productivity

Starter Project Key Features

Project Setup
• View types include project setup, working, construction documentation, coordination/analysis
• 70+ view templates for all view types, including schedules and over 140 predefined view filters
• Workset filter that assists in workset discipline
• Circuit filters that show the current state of circuiting in the project

Schedules & Details
• 330+ unique schedules that share consistent formatting and parameters
• Design/Assist/Coordination schedules such as: gas load summary, space airflow, circuit overload check, and electrical/lighting load per room, lighting device address schedule
• Master schedule for easy creation of additional unique schedules
• 360+ Revit line work drafting view details and detail groups

Shared Parameters
• 2190+ shared parameters optimized and consolidated for easier use
• ASHRAE abbreviations for simplified naming convention and cleaner user experience
• Added tool tips and visibility control provide end users with a smooth workflow
• Full coordination across mechanical, plumbing and electrical disciplines

User Manual
• Complete written users manual with links to instructional videos for each topic

Electrical Key Features

Comprehensive Family Content
• Smart motor family automatically calls MOCP loads and more
• Parametric electrical one-line diagrams & feeder schedules in Revit
• 420+ electrical families over 200 symbols
• All lighting fixture content set to utilize photometric files
• Parametric clearance areas based on NEC guidelines
• All family content is fully integrated with extensive schedules & tags
• Includes smart electrical connectors
• 9 conduit types and filters for color coding for ease of identification
### Electrical Settings

- 12 predefined distribution systems in addition to out of box content
- 10 predefined voltage definitions in addition to out of box content
- Industry standard load classifications and demand factors

### Panel Schedules

- Over a dozen panel schedule templates for branch data, fire, distribution and switchboards
- All panel schedules and electrical settings conform to National Electric Code (NEC) standards
- Built in feed through lug workflow

### Mechanical & Plumbing Key Features

#### Comprehensive Family Content

- 240+ mechanical families based on manufactured content
- All family content is fully integrated with extensive schedules and tags
- 55 unique duct and pipe systems with 24 improved and additional duct and pipe types
- Smart autosizing families with design/assist capabilities (GRD’s, VAV’s)
  - CFM in airside systems, GPM in hydronic and domestic systems, and fixture units in sanitary sewer and vent systems
- Mechanical Equipment Configurator family – with preconfigured Articulated Cartesian Arms and all equations in place to become any piece of mechanical equipment
- Mechanical equipment includes calculations for heating coils, gas-fired heat exchangers, and electrical loads
- Master Host Family functionality for simple & smart management of manufacturer content
- Air terminals include Performance Tables for dynamic values for Throw, NC and Pressure drop

#### Plumbing/Piping Content

- Grouped families providing a significant reduction in modeling time for plumbing layouts
- Groups have been expanded and now include attached detail groups
- Vent system flow propagation and fixture unit calculation
- Cross system connections for sanitary sewer and vent systems
- Family content created to propagate CFH in gas piping systems and area in storm drain sy:
- Roof drains include calculations for storm flow
Learn more at

www.ctcexpressTools.com

CTC Express Tools Services and Support
Free technical support is available for CTC Express Tools. Optimize productivity and accelerate your return on investment with free and unlimited technical support.

952-944-6223 | support@ctcexpressTools.com

CTC Express Tools™ is a trademark of CAD Technology Center, Inc. in the USA and other countries. © 2017 CAD Technology Center, Inc. All other brand names, product names or trademarks belong to their respective holders.