



Mechanical Electrical Plumbing Productivity Pack

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MEPPP

The Mechanical Electrical Plumbing Productivity Pack (MEPPP) is the premier content pack on the market today. It was specifically designed for companies who are designing/working in both the mechanical and electrical disciplines. The MEPPP takes the Mechanical and Electrical Productivity Packs and rolls them into one easy-to-use pack that is ready to use right out of the box.

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 photo-metric 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

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

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

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 systems
- Roof drains include calculations for storm flow

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 from fixing in-consistent information across construction documents
- Streamlined workflows for using any future family from a manufacturer
- Design assists scheduling to improve productivity



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Learn More at:

<https://www.solidcad.ca/partner-products/ctc-software/>

**For services and support related to CTC Express
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