



STEEL ENGINE

by AEGIS METAL FRAMING

Aegis Metal Framing, a division of MiTek, is pleased to introduce its most advanced cold formed structure design platform. *Steel Engine* by Aegis Metal Framing couples state-of-the-art dynamic framing capabilities with the power of AutoCAD Architecture (ACA) and Aegis Design, to provide the cold formed industry with a comprehensive building design solution.

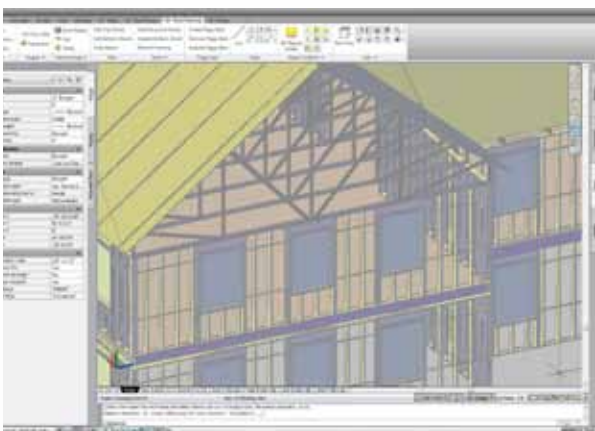
With *Steel Engine*, the cold-formed building component fabricator can create, attach, and extract information in a true AutoCAD 3D environment, making it the ideal design tool for the Building Information Modeling (BIM) era. *Steel Engine* also brings Roof, Floor, and Wall into one central program, providing true “whole structure” modeling capability!

A key technological benefit of *Steel Engine* is the concept of “smart” objects. With

Steel Engine, users can create “smart” objects with parametric relationships to each other, and allow these new articles to interact with the objects around them. For example, a Truss is within a Framing Area and a Framing Area is within a Roof Envelope. A change to

STEEL ENGINE ADVANTAGES

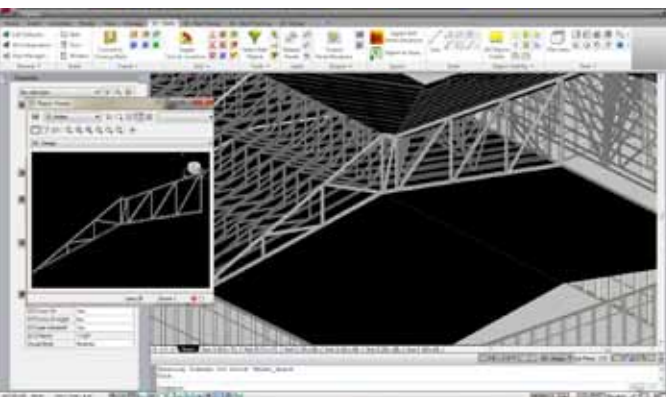
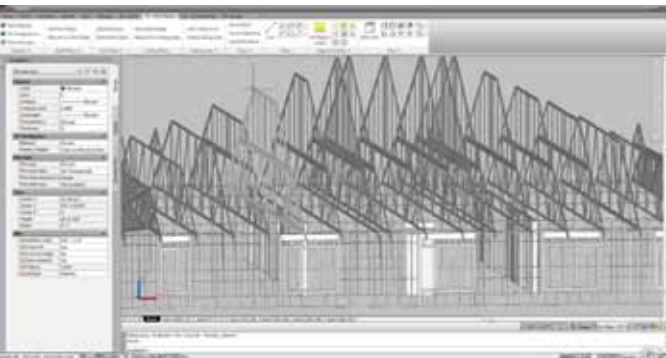
- Virtual 3D building model
- Leverage the power of AutoCad Architecture
- Share information among all members of building team
- Integrated Ultra-Span® engineering functionality
- Multi-level cold formed wall framing and panelization
- Load path definition
- Automatic placement of permanent truss bracing
- Automate building process from bid to installation



any of these items will result in a corresponding change to the others.

Steel Engine is based on a vertical of ACA. Aegis has built the essential cold formed truss and wall modeling features on top of ACA and integrated it with Aegis Design for state-of-the-art truss engineering. A global development team is working to bring our fabricators the most complete “start to finish” solution for their cold-formed steel projects.

By leveraging the power of AutoCAD, *Steel Engine* users can create 3D structure models in one of the most widely used formats--DWG. Remember, interoperability is the means to sharing information with the industry. With a DWG model, users will be able to collaborate with other trades to merge various models for a more accurate, “clash-free” building design.



The “I” in BIM stands for “Information,” and this is the critical aspect of this new way of building buildings.

Steel Engine will be the tool to help Aegis users define the BIM processes and integrate their models with the other members and trades in the building team.

The age of BIM is here, and *Steel Engine* is leading the way for cold formed fabricators!

AutoCAD
Architecture 2012
Compatible

Autodesk

VIRTUAL 3D MODELS

TRUE 3D BUILDING MODEL FOR CLASH DETECTION

Steel Engine users can share a truss and wall framing model with other trades such as steel erectors, HVAC, plumbing and electrical contractors to quickly identify and resolve potentially costly conflicts.

INTEGRATED ENGINEERING FUNCTIONALITY

Steel Engine is connected to the powerful Aegis Design module, allowing users to produce Ultra-Span® cold formed truss drawings that are ready for review by Aegis Metal Framing professional engineers.

VIEW REAL TIME IMPACT OF MODIFICATIONS

The use of “smart” objects and parametric modeling means that changes to an element of the model will be automatically recognized and adjusted for by corresponding elements.

