



Advanced Techniques for Importing CAD Drawings into Revit Projects

Miguel Valencia

CAD/BIM Development Supervisor

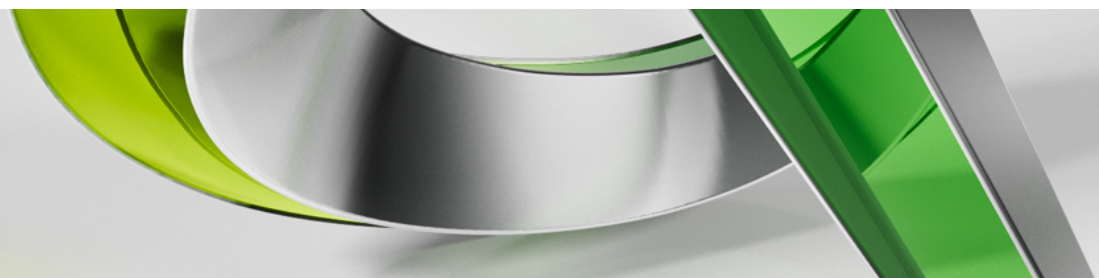
mvalencia@Syska.com

<https://www.linkedin.com/in/mvalencia1>

Albert Alderete

CAD/BIM Development Manager

aalderete@Syska.com



Class summary

This class will cover advanced techniques for importing CAD drawings into Revit software projects. It will cover effective practices for “Revitizing” a CAD drawing, the steps needed to get the result you want, and the way to develop a library of CAD details that can be use in both AutoCAD software and Revit software.

Key learning objectives

At the end of this class, you will be able to:

- Successfully import CAD drawings into Revit software
- Learn what it takes to properly “Revitalize” a CAD drawing
- Learn how to streamline the cleaning process of CAD drawings
- Learn how to develop a library of details that can be used in both AutoCAD software and Revit software

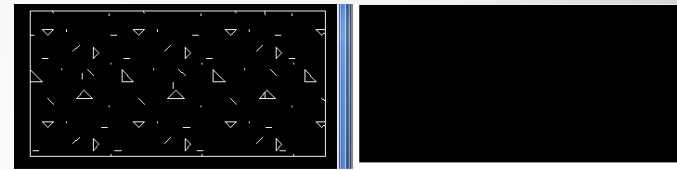
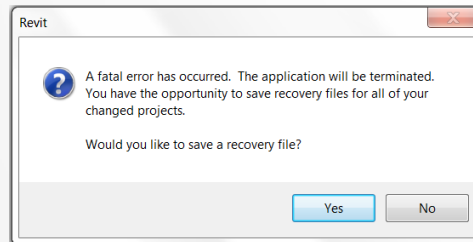
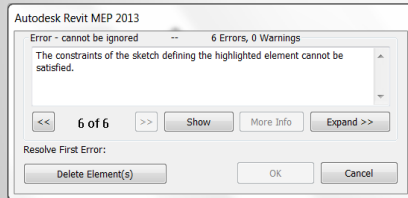
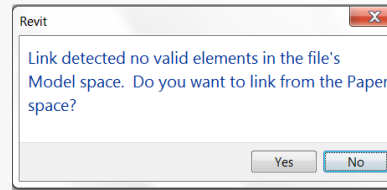
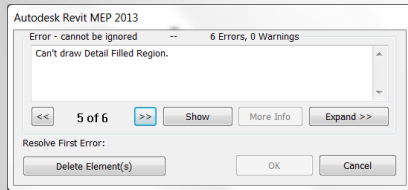
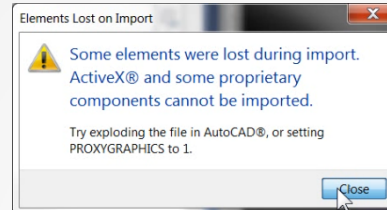
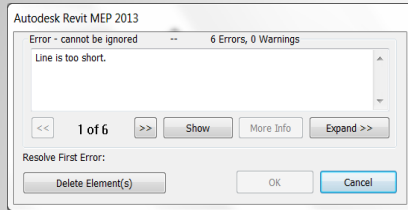
About Syska Hennessy Group

- Founded in 1928
- An Integrated Consulting + Engineering + Commissioning Firm
- Over 500+ Employees in 15 Offices Worldwide
- Ranked Among the Top Engineering Firms by *ENR*, *CSE*, *BD+C* and *EC+M*



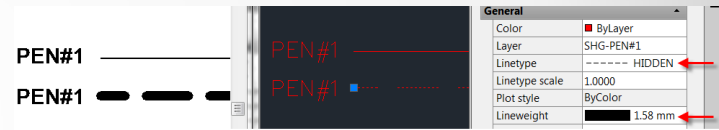
www.syska.com

Common Errors when importing CAD Drawing:



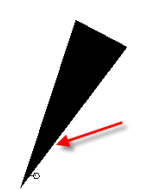
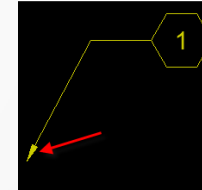
AUTOCAD

REVIT



AutoCAD

Revit

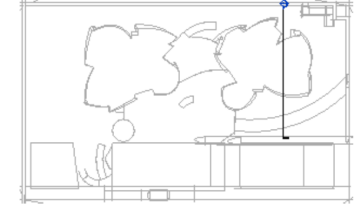


3D CAD link not properly being cut by view range

3D CAD link properly being cut by view range



vs.



AutoCAD

1. WHERE THERE IS A DISCREPANCY BETWEEN THE DRAWINGS AND SPECIFICATIONS, NOTIFY THE ENGINEER PRIOR TO BID.
2. THE CONTRACTOR SHALL EXAMINE THE COMPLETE SET OF DRAWINGS FOR ALL TRADES, AS ISSUED BY THE ARCHITECT AND REVIEW DIMENSIONS, SPACE REQUIREMENTS AND POINT OF CONNECTIONS TO ALL EQUIPMENT. MAKE ANY MINOR ADJUSTMENTS NECESSARY TO AVOID CONFLICTS WITH THE BUILDING STRUCTURE AND THE WORK OF OTHER TRADES.

Revit

1. WHERE THERE IS A DISCREPANCY BETWEEN THE DRAWINGS AND SPECIFICATIONS, NOTIFY THE ENGINEER PRIOR TO BID.
2. THE CONTRACTOR SHALL EXAMINE THE COMPLETE SET OF DRAWINGS FOR ALL TRADES, AS ISSUED BY THE ARCHITECT AND REVIEW DIMENSIONS, SPACE REQUIREMENTS AND POINT OF CONNECTIONS TO ALL EQUIPMENT. MAKE ANY MINOR ADJUSTMENTS NECESSARY TO AVOID CONFLICTS WITH THE BUILDING STRUCTURE AND THE WORK OF OTHER TRADES.

Importing CAD Drawings into Revit Projects - Revit Initial Setup

The Revitizing Guideline

<http://1drv.ms/1y3KrXE>

Streamlining the Revitizing Process

What the hell did just happen??



Developing a Library of Details for Both AutoCAD and Revit

Importing Floor Plans into Revit Projects

Session Feedback

- Via the Survey Stations, email or mobile device
- AU 2014 passes given out each day!
- Best to do it right after the session
- Instructors see results in real-time





Students, educators, and schools now have

FREE access to Autodesk design software & apps.

Download at www.autodesk.com/education



Earn your professional Autodesk Certification at AU

Visit the [AU Certification Lab](#)