

Autodesk Point Layout for AutoCAD & CADmep

Brief Synopsis of Class Contents:

This class covers the basics of Autodesk Point Layout. Attendees will learn how to setup and use APL in conjunction with AutoCAD and AutoCAD CADmep as it relates to creating control points, analyzing points for QAQC, or importing and exporting points for As-Builts

Learning Objectives:

- Attendees will learn how to setup and use APL in conjunction with Revit
- Understand the concepts of using coordinate systems
- Understand the importance of starting with control points
- Create points for system families such as walls, floors, footing, pipes, and conduits
- Create points for component families such as sleeves, hangers, embeds, and footings
- Understand the workflow for importing/exporting points to/from the jobsite

Courseware:

Applied Software Training Material

Number of Days:

Two ½ day sessions

Continuing Education Hours:

7 hours

Who Should Attend:

All new users to Autodesk Point Layout
General Contractors, MEP Subcontractors, Layout Teams

Prerequisites:

Basic Computer skill
AutoCAD Fundamentals helpful but not required

System and Software Requirements:

<http://www.asti.com/LiveLab-Learning-and-Training/LiveLab-System-Requirements>

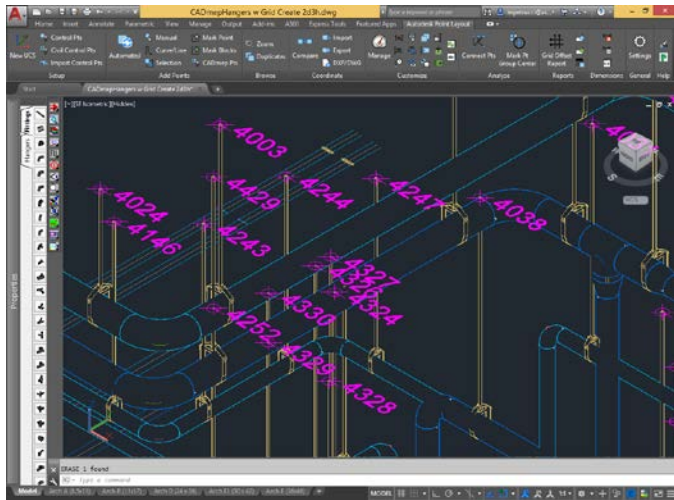
FAQs and Cancellation Policy:

<http://www.asti.com/LiveLab-Learning-and-Training/LiveLab-FAQS>

Class Outline and Topics:

Introduction

- What is Autodesk Point Layout?
- Who uses Autodesk Point Layout?
- What are the benefits of APL?



Interface & Navigation

Best practices working with

- Layer Review
- Layer Naming
- Layer visibility

Coordinate Systems

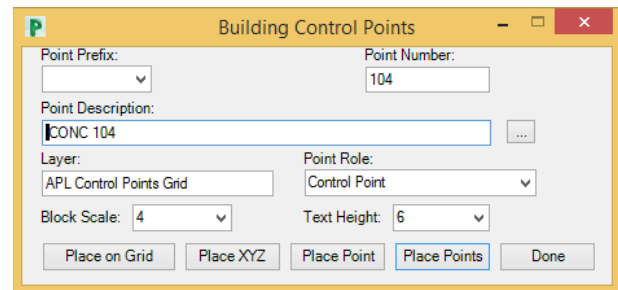
- User Coordinate System (UCS)
- True North, State Plane Coordinates

Points

- Settings
- Automated vs Manual
- Point Roles
- Point Types

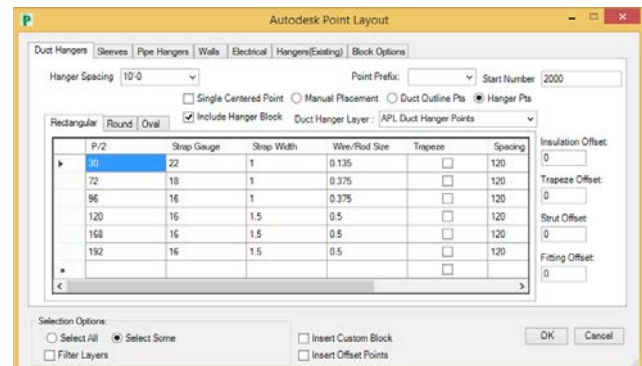
Control Points

- Place on Grid
- Place XYZ
- Place Point
- Place Points



Adding Points

- Duct Hanger, Sleeves, Pipe Hangers, Walls, Electrical
- To Lines, Arcs, Polylines, Ellipses, and Splines
- Mark Blocks
- CADmep Points



Browse

- Zoom to Points
- Duplicate Points

Import / Export / Compare

- Exporting DWG & Points to the field
- Point Export Order
- Output Units
- General Options
- Code Columns
- Coordinate System
- Filters
- DXF/DWG Export Wizard

Customize / Utilities

- Mange Points Dialog
- Renumber Points
- Align Point Numbers
- Edit Code Maps

