Standardizing Linetypes, Lineweights & Dimension Styles in CAD

A Virtual Webinar Using CAD – Learn to Standardize CAD Styles

This webinar provides a comprehensive walkthrough of how to standardize line types, line weights and dimension styles across CAD platforms such as AutoCAD and IntelliCAD. It covers practical tips for creating consistent drawing standards, managing scale factors, customizing line type definitions and setting up templates for efficient drafting workflows.

Key Topics:

- Understanding and customizing line type definitions (.LIN files)
- Managing line type scales (LTSCALE, PSLTSCALE, PLINEGEN)
- Setting and plotting line weights using CTB files
- Creating and managing dimension styles with scale factors
- Using IntelliCAD Explorer for transferring CAD standards

Descriptions, transcripts and other details of this recording ha ve been AI-generated and may contain errors.

This session was presented by Jennifer DiBona on 05/20/2025.

Paper Space and Plotting in CAD

A Virtual Webinar Using CAD – Learn to Improve Paper Space Plotting

This webinar provided a comprehensive walkthrough of paper space, model space and plotting workflows in CAD (IntelliCAD/AutoCAD). Jennifer DiBona explained how to effectively use layout tabs, create and manage page setups, insert title blocks and configure viewports for consistent plotting. The session emphasized standardization, efficiency and clarity in multi-sheet drawing sets. Key takeaways included how to set up page templates, lock viewport scales, manage layers per viewport and resolve common plotting issues like line type scaling.

Although Carlson Software with IntelliCAD was used in this session and a few Carlson-specific commands are shown, the workflows are by and large the same for all AutoCAD or IntelliCAD based programs, and other programs will likely have their own version of those Carlson commands.

Key Topics:

- Paper space vs. model space fundamentals
- Creating and managing page setups and plot styles
- Inserting title blocks and creating viewports
- Locking viewport scales and freezing layers per viewport
- Fixing linetype scaling and other common plotting issues

Descriptions, transcripts and other details of this recording have been AI-generated and may contain errors.

This session was presented by Jennifer DiBona on 11/19/2025.

Overview of Paper Space, Title Blocks and Templates in CAD

A Virtual Webinar Using CAD – Learn to Standardize Title Blocks

This webinar provides a comprehensive walkthrough of using paper space, title blocks and templates in CAD environments such as IntelliCAD and AutoCAD. It explains how to standardize plotting, manage multiple scales and use sheet sets and fields to automate title block data.

Although Carlson Software with IntelliCAD was used in this session and a few Carlson-specific commands are shown, the workflows are by and large the same for all AutoCAD or IntelliCAD based programs, and other programs will likely have their own version of those Carlson commands.

Key Topics:

- Paper space vs. model space fundamentals
- Setting up layouts, viewports and plot configurations
- Managing title blocks and templates

- Using sheet set manager and fields for automation

Descriptions, transcripts and other details of this recording have been AI-generated and may contain errors.

This session was presented by Jennifer DiBona on 04/17/2025.

MicroSurvey Surfacing Operations with MSCAD

A Virtual Webinar Using MicroSurvey – Learn to Create Terrain Models

This webinar, hosted by That CAD Girl and presented by MicroSurvey's Matt McLean, provides a detailed walkthrough of surfacing and contouring operations in MicroSurvey CAD. Attendees learned how to create, configure and visualize surfaces, contours and terrain models using real-world data.

Key Topics:

- Introduction to MicroSurvey CAD and product ecosystem
- Creating and managing surfaces and contours
- Configuration settings for modeling and visualization
- Handling boundaries, breaklines and point data
- Labeling and smoothing contours

Descriptions, transcripts and other details of this recording have been AI-generated and may contain errors.

This session was presented by Matt McLean on 05/22/2025.

MicroSurvey STARNET Least Squares Analysis

A Virtual Webinar Using MicroSurvey STAR*NET – Learn to Perform Least Squares Analysis

This webinar, hosted by That CAD Girl and presented by MicroSurvey's James Johnston, provides a comprehensive walkthrough of STAR*NET analysis – a leading least squares adjustment software for survey data. The session covers data import, adjustment workflows, error detection and integration of GPS and conventional survey data for accurate network analysis.

Key Topics:

- Overview of MicroSurvey's product suite
- Introduction to STAR*NET least squares adjustment
- Data import and conversion workflows
- Error detection, residual analysis and Chi-square testing
- Integration of GPS and conventional survey data
- Output options and reporting tools

Descriptions, transcripts and other details of this recording have been AI-generated and may contain errors.

This session was presented by James Johnston on 04/15/2025.

Construction Workflows Drawing Cleanup and Point Population Tools

A Virtual Webinar Using MicroSurvey – Learn to Streamline Construction Workflows

This webinar, hosted by That CAD Girl and presented by MicroSurvey Software's James Johnston, explored efficient construction workflows using MicroSurvey CAD tools. The session demonstrated drawing cleanup, point population and export techniques to streamline field layout and stakeout processes.

Key Topics:

- Drawing cleanup tools in MicroSurvey CAD
- Rescale wizards
- Point population tools
- Point management
- Exporting CAD and point data for field stakeout

Descriptions, transcripts and other details of this recording ha ve been AI-generated and may contain errors.

This session was presented by James Johnston on 06/19/2025.

MicroSurvey AutoMap Field to Finish

A Virtual Webinar Using MicroSurvey – Learn to Automate Survey Data Processing

This webinar, hosted by That CAD Girl and presented by MicroSurvey's James Johnston, provides an in-depth walkthrough of AutoMap—MicroSurvey's field-to-finish system. It demonstrates how AutoMap automates CAD standards, linework generation and symbol management to streamline survey data processing from field collection to final drawings.

Key Topics:

- Overview of MicroSurvey's product portfolio and CAD integrations
- AutoMap setup and configuration for field-to-finish workflows
- Field data import methods (FieldGenius, Captivate, ASCII, etc.)
- Customizing symbols, layers and plotted descriptions
- Managing 2D/3D linework and smart line connectivity

Descriptions, transcripts and other details of this recording have been AI-generated and may contain errors.

This session was presented by James Johnston on 05/27/2025.

Making Models from a Mess – Using Carlson Cleanup and Elevate Tools

A Virtual Webinar Using Carlson Software – Learn to Clean Up Messy Drawings and Elevate Them into Models

This webinar teaches Carlson Civil users how to transform messy, imported CAD drawings into clean, usable models for staking and surface creation, with their cleanup tools. It covers practical workflows using Carlson's Drawing Cleanup and Elevate Tools to fix geometry, layers and elevations for accurate 3D modeling.

Key Topics:

- Cleaning and organizing messy DWG files
- Using Carlson Drawing Cleanup effectively
- Elevating 2D polylines to 3D for surface models
- Managing layers, blocks and spot elevations
- Avoiding common pitfalls and data corruption

Descriptions, transcripts and other details of this recording ha ve been AI-generated and may contain errors.

This session was presented by Jennifer DiBona on 01/28/2025.

Intro to Carlson – Settings, Setup, Configuration and Points

A Virtual Webinar Using Carlson Software – Learn to Configure Settings and Points

This webinar introduces users to Carlson Software’s settings, configuration tools and point management workflow webinar. It covers interface setup, project folder organization, drawing templates and best practices for maintaining consistent configurations across projects.

Key Topics:

- Carlson user interface setup and customization
- Carlson Configure and default settings management
- Project folder structures and data organization
- Drawing templates and National CAD Standards
- Point import, display and text style configuration

Descriptions, transcripts and other details of this recording ha ve been AI-generated and may contain errors.

This session was presented by Jennifer DiBona on 06/03/2025.

Intro to Carlson – Settings, Setup, Configuration & Points

A Virtual Webinar Using Carlson Software – Learn to Configure Settings and Points

This Carlson settings, setup, configuration and points webinar virtual class helps users create consistent project workflows through interface setup, templates, folder organization and point management. It covers interface setup, project folder organization, drawing templates and best practices for maintaining consistent configurations across projects.

Key Topics:

- Carlson user interface setup and customization
- Carlson Configure and default settings management
- Project folder structures and data organization
- Drawing templates and National CAD Standards
- Point import, display and text style configuration

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This session was presented by Jennifer DiBona on 03/11/2025.