Fast Track to CAD, MicroSurvey & Carlson:
Session #1-3 Getting Started with CAD

A Virtual Classroom Using CAD – Learn Layers, Editing and Plot Control

Learn essential CAD drafting and editing skills with That CAD Girl's *Getting Started with CAD* training series. This session covers practical tools, layer management and real-world workflows for IntelliCAD, AutoCAD, Carlson and MicroSurvey users .

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:

- CAD units, file compatibility and inquiry commands (DIST, LIST)
- Editing tools: MOVE, COPY, TRIM, EXTEND, FILLET
- Selection methods and shortcuts (Window, Crossing, Fence, WP/CP)
- Polylines and PEDIT functions
- Layer creation, organization and visibility control

- Line types, line weights and scaling (LTScale, PSLTScale)

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

This session was presented by Jennifer DiBona on 09/16/2025.

Fast Track to CAD, MicroSurvey & Carlson: Session #1-2 Getting Started with CAD

A Virtual Classroom Using CAD – Learn Precise Linework and Editing Basics

Learn the fundamentals of CAD drafting with this Virtual Classroom covering coordinate systems, line commands and precision tools in IntelliCAD and Carlson. Discover how to use object snaps, polar coordinates and ortho mode to create accurate, professional drawings efficiently.

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:

- Coordinate systems (X, Y and elevation)
- Drawing and editing lines with undo/redo
- Polar and direct distance entry with Ortho mode and function keys (F3, F6, F8)
- Carlson vs. IntelliCAD line command differences
- Zooming, panning and navigation tools
- Object snaps and entity snaps (endpoint, midpoint, perpendicular, tangent, intersection, etc.)

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This session was presented by Jennifer DiBona on 09/16/2025.

Fast Track to CAD, MicroSurvey & Carlson: Session #1-1 Getting Started with CAD

A Virtual Classroom Using CAD – Learn Interface Setup and Drawing Basics

Learn the fundamentals of CAD with That CAD Girl's *Getting Started with CAD* training series. This introductory session

covers essential CAD concepts, interface navigation, command-line skills and best practices for working in Carlson, MicroSurvey and Civil 3D.

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:

- Understanding CAD platforms and the Carlson, MicroSurvey and Civil 3D interfaces
- Using workspaces, ribbons and toolbars effectively
- Command-line basics and shortcut aliases
- File management, auto-save and backup strategies
- Customizing options, display settings, status bar tools and function keys
- Drawing settings, units, coordinate systems and UCS icon setup

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This session was presented by Jennifer DiBona on 09/16/2025.

CAD Tips and Tricks DIMStyles

& Linetypes

A Virtual Webinar Using CAD – Learn to Improve DIMStyles and Linetype Setup

This webinar explains how CAD users can effectively manage linetypes and DIMstyles across AutoCAD, IntelliCAD and Carlson platforms. It covers scaling principles, file management and customization techniques to ensure drawings plot correctly at any scale.

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:

- Understanding and editing .LIN linetype definition files
- Line type scaling (LTSCALE, PSLTSCALE and PLINEGEN)
- Creating and managing custom linetypes with text
- Dimension style scaling and child styles for radius dimensions
- Best practices for plotting and template setup

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This session was presented by Jennifer DiBona on 12/18/2025.

Civil 3D Surface from Points

This webinar, hosted by That CAD Girl and presented by Liz Valerio of CAD Masters, demonstrates how to create a Civil 3D surface from imported survey points. The session covers importing point data, organizing point groups, adding breaklines and boundaries and smoothing contours.

Basics of Surface Modeling in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Build Accurate Surface Models

This webinar provides a detailed walkthrough of surface modeling fundamentals in Carlson Software, covering data inspection, triangulation, contour generation and integration with external data sources. Attendees learn practical workflows for building accurate surfaces using points, breaklines and field-to-finish automation.

Key Topics:

- Preparing and inspecting data for surface modeling

- Creating and refining TIN surfaces and contours
- Using breaklines and non-surface points
- Automating workflows with Field-to-Finish
- Integrating Google Earth and GIS imagery

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

This session was presented by Jennifer DiBona on 07/03/2025.

An Overview of NCS Layers And Drawing Templates

A Virtual Webinar Using AutoCAD and IntelliCAD – Learn to Standardize CAD Drawing Templates

This webinar provides a detailed walkthrough of the National CAD Standard (NCS) layer naming conventions and demonstrates how to implement them through drawing templates in AutoCAD, Civil 3D and IntelliCAD. Attendees learn how to create, customize and manage templates for consistent CAD standards across projects.

Key Topics:

- Overview of the National CAD Standard (NCS)
- Layer naming conventions and discipline designators
- Creating and customizing drawing templates (DWT files)
- Using templates in AutoCAD, Civil 3D and Carlson

- Managing sheet templates and layout tabs

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This session was presented by Jennifer DiBona on 08/12/2025.

An Overview of Enhanced Productivity with MicroSurvey CAD

A Virtual Webinar Using MicroSurvey CAD – Learn to Improve Boundary and Cadastral Workflows

This webinar introduces MicroSurvey CAD Field to Finish, a survey-focused drafting solution designed to streamline boundary and cadastral workflows. James Johnston demonstrates setup, configuration and advanced COGO tools that improve efficiency and accuracy for surveyors transitioning from general CAD platforms.

Key Topics:

- Introduction to MicroSurvey and its product ecosystem
- Configuring MicroSurvey CAD for boundary and cadastral work
- Overview of COGO tools, labeling and lot closure features

- Smart labels that update when geometry changes
- Closing lots and producing boundary deliverables

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

This session was presented by James Johnston on 03/25/2025.

Carlson Field to Finish

A Virtual Webinar Using Carlson Software – Learn to Automate Survey Drafting

This webinar provided an in-depth overview of Carlson Software's Field to Finish feature, explaining how to automate the process of converting field survey data into CAD drawings. Jennifer demonstrated how to create and configure FLD (field code) files, associate them with CRD (coordinate) files and produce finished linework.

Key Topics:

- Overview of Carlson Field to Finish concepts
- Creating and editing FLD (field code) files
- Managing point layers, symbols and linework
- Using special codes and description formatting
- Building legends and plotting best practices

Descriptions, transcripts and other details of this recording

have been AI-generated and may contain errors.

This session was presented by Jennifer DiBona on 09/04/2025.

Survey Project from Start to Finish

A Virtual Webinar Using Carlson Survey – Learn to Run a Survey Project from Start to Finish

This webinar walks through the complete process of managing a survey project using Carlson Survey 2023 within IntelliCAD. It covers data setup, importing field points, deed entry, correlation, Field to Finish and preparing final survey deliverables.

Key Topics:

- Carlson Survey configuration and project setup
- Importing and managing point data (CRD files, point groups)
- Deed entry, correlation and boundary adjustment
- Field-to-Finish automation for drawing and labeling
- Exporting to Google Earth and creating final deliverables

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

This session was presented by Jennifer DiBona on 01/19/2023.