

Drawing Templates and Overview of National CAD Standards (NCS) for Layers

A Virtual Webinar Using CAD – Learn to Build NCS Drawing Templates

This webinar provides a comprehensive overview of how to use drawing templates in Carlson Software and apply the National CAD Standard (NCS) for layers. It explains the structure of NCS layer naming, its flexibility, and how to integrate it into Carlson workflows for civil and survey projects.

Key Topics:

- National CAD Standard (NCS) layer naming conventions
- Creating and customizing drawing templates in Carlson
- Using Carlson's Layer Library for CAD standard enforcement

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

This session was presented by Jennifer DiBona on 11/27/2018.

That CAD Girl

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Standardizing Linetypes, Lineweights & Dimension Styles in CAD

A Virtual Webinar Using Carlson Software – Learn to Standardize CAD Styles

This webinar teaches CAD and Carlson users how to standardize templates, control linetypes, lineweights, and dimension styles for consistent drafting in any project. Viewers learn practical techniques for managing LTScale, PLineGen, PSLTScale, creating custom line types, and setting up CTB plot styles and dimension scales.

Key Topics:

- Line types and scaling (LTScale, PLineGen, PSLTScale)
- Managing lineweights and CTB plot styles

- Creating and editing custom line types (.LIN files)
- Building templates (.DWT) for company-wide standardization
- Setting up scalable and consistent dimension styles

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This session was presented by Jennifer DiBona on 10/14/2019.

More Surfaces, Volumes, Editing & Display Tips & Tricks

A Virtual Webinar Using Carlson Software – Learn to Improve Surface Volume Workflows

This webinar explores advanced tools and workflows in Carlson Software, focusing on surface modeling, editing, volume calculations, and display customization. It illustrates powerful methods for merging TIN files, performing topsoil stripping, daylight design, and visual surface inspections for practical civil and survey applications.

Key Topics:

- Surface modeling and TIN file management
- Volume calculation and balancing techniques
- Visualization and analysis tools (3D Viewer, Surface Inspector, Cut/Fill maps)

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This session was presented by Jennifer DiBona on 09/23/2019.

Plan & Profile Sheet Production with Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Improve Surface Volume Workflows

This instructional webinar offers an introductory walkthrough of plan and profile sheet production in Carlson Software. It demonstrates how to create horizontal and vertical alignments, visualize profiles,

establish labeling standards, and automatically generate plan and profile drawing sheets using Carlson's built-in tools.

Key Topics:

- Creating and editing centerline and profile data
- Drawing and labeling profiles (existing vs. proposed ground)
- Using profile settings, grids, scales, and CAD layer standards
- Generating plan/profile sheets and attribute-driven title blocks
- Customization with National CAD Standards (NCS) templates

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This session was presented by Jennifer DiBona on 09/18/2019.

Taking a Survey Project from Field to Plotted Sheet

A Virtual Webinar Using Carlson Software – Learn to Take Survey Projects from Field to Plotted Sheet

This training webinar from That CAD Girl demonstrates how to process a survey project in Carlson Software from raw field data to a fully annotated and plotted drawing. Participants learn best practices for point import, deed entry, data correlation, field-to-finish automation, and preparation for plotting or

publishing.

Key Topics:

- Importing and managing points and coordinate files (CRD)
- Entering and editing deeds using Carlson Survey
- Deed correlation and alignment with field data
- Field-to-Finish setup and drawing generation
- Annotation, labeling, and plotting workflows

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This session was presented by Jennifer DiBona on 04/10/2019.

Introduction to Carlson Software – Settings, Setup, Configuration & Points

A Virtual Webinar Using Carlson Software – Learn to Create Custom Title Blocks

This webinar introduces new users to Carlson Software, focusing on key setup topics such as system configuration, file structure management, default settings, and point handling. The session

walks participants through configuring the software environment, importing data, managing projects, and customizing display settings for optimized CAD workflows.

Key Topics:

- Carlson Software user interface and controls
- Settings and configuration management (CFG files)
- Project and data folder structures
- Drawing setup and scale management
- Point import, defaults, and annotation customization

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This session was presented by Jennifer DiBona on 04/02/2019.

Working with Blocks and Creating Custom Title Blocks

A Virtual Webinar Using Carlson Software – Learn to Create Custom Title Blocks

This webinar demonstrates best practices for building and using CAD blocks—including symbol creation, layer management, and attribute-driven title blocks—within Carlson 2020, IntelliCAD®,

and AutoCAD®. Participants learn how to set up flexible, reusable drawing components and automate title information in company templates.

Key Topics:

- Block and Symbol Creation
- Layer Management and Layer Zero Best Practices
- Attributes and Title Block Automation

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This session was presented by Jennifer DiBona on 08/19/2019.

Overview of Carlson GIS

A Virtual Webinar Using Carlson Software – Learn to Use GIS Mapping Tools

This webinar provides an in-depth overview of Carlson GIS, demonstrating how to import, manage, and visualize shapefiles and database data in CAD. The session shows practical examples including importing municipal shapefiles, creating GIS databases from CAD drawings and Excel files, and using imagery services within Carlson GIS.

Key Topics:

- Introduction to Carlson GIS structure and shapefile components
- Importing and linking GIS data (SHP, SHX, DBF files)
- Creating and managing Carlson GIS databases (MDB files)
- Utilizing GIS tools: Inspector, Query Builder, Labeling, and Legends
- Incorporating ESRI and Google imagery layers

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This session was presented by Jennifer DiBona on 03/26/2019.

Surfaces and Breaklines – the Basics

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

This instructional webinar explains the essential concepts of building surface models and defining breaklines in Carlson Software. Participants learn how to triangulate points, integrate 3D po

lylines, merge elevation datasets, and identify common pitfalls when constructing or sharing terrain surfaces.

Key Topics:

- Creating surfaces from points in Carlson Software
- Purpose and definition of breaklines/fault lines
- Manual vs. Field-to-Finish creation of 3D polylines
- Merging TIN surfaces and importing National Elevation Data set (NED) data
- Problems using only contours versus comprehensive surface data

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This session was presented by Jennifer DiBona on 03/20/2019.

Standardizing CAD and Carlson

A Virtual Webinar Using Carlson Software – Learn to Standardize CAD Workflows

This webinar explores how Carlson Software operates on top of Au

toCAD or IntelliCAD platforms and provides guidance for standardizing settings, configurations, and layer structures across CAD environments. Participants learn to manage Carlson Configure, templates, layers, and quick keys to ensure consistent and efficient drafting workflows.

Key Topics:

- Integration between Carlson Software and CAD platforms
- Managing default settings and configuration files (CFG, DWG, STA, LA)
- Creating individualized templates and layer libraries
- Customizing quick keys and command aliases
- Ensuring consistency across offices and field laptops

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This session was presented by Jennifer DiBona on 02/28/2019.