

CAD - Management, Design, and Drafting

**Design - Drafting - Management - Digitization - Archives - Standards
AutoCAD Civil - Micro Station Inroads**

Skilled Professionals are the essential element with all technology...

At Integrated Facility Services, Inc., our CAD work differs from our competitors'. Whereas they simply transfer redlines to CAD drawings, we add genuine value to your project. As design professionals, we adhere to strict Quality Assurance and Quality Control standards in both drafting and design. Not only can we enter your mark-ups into CAD, but we also have the knowledge to transfer your plans to scale. The standard objects and symbols used in our practice enable us to draw your plans to your exact specification. In the process, we make note of possible field inaccuracies and communicate them to you before presenting you with the final product. By eliminating hand sketches and manual computations, we can also save you time and money. Our current software easily analyzes the survey surface data, completes computations of storm water calculations for permits, aligns access roads in three dimensions producing profiles and cross sections, and grades building pads and sidewalks—all in real time. Please contact us today to discuss how we can put out technology to work for you.

CAD Design

Just as old drafting tools like Electronic Erasers and Leroy Sets are relics of the past, redlines and drafting from mark-ups will soon follow. Today's powerful computers and drafting software afford the Integrated Facility Services team—and you—a host of modern benefits. They enable us to complete calculations and receive feedback in real time as we draft. With Civil 3D Modeling in both AutoCAD and Micro Station, the corridor updates as your surfaces and design parameters change. As a result, instantaneous revisions to your project's profiles, cross sections, and quantities occur. Hydraulic data entered into CAD, in conjunction with drainage area criteria, allow us to design storm systems and determine conflicts with other utilities in real time. Use of this technology increases production by reducing the time it takes to perform hand calculations and draw sketches of the results. At IFS, we understand that the output of the design is only as accurate as the input we provide. That's why our Civil, Architectural, Structural, Mechanical, Electrical, and Plumbing knowledge is critical to maintaining the quality of the product you present to your client.

Drafting

At IFS, Inc., we embrace new technologies that have been proven to increase productivity and product quality. When you outsource your CAD projects to IFS, Inc., we use our own up-to-date hardware and software, thereby eliminating such costs from your project. This cost exclusion is extremely helpful, especially with short-term projects where the financial justifications of these upgrades are not feasible. Following are some of the drafting services we offer:

- 2D and 3D Drafting
- Import and Process Survey Data
- Site Layouts
- Architectural Plans and Details
- Structural Plans and Details
- MEP Plans and Details
- Mechanical Parts
- Machine/Process Layouts
- Mark-Ups/Revisions
- As-Built Drawings
- Digitization

Risk Management and CAD Standards

IFS, Inc.'s Document Management and CAD Standard services work in tandem to improve your staff's production. Our team of professionals can help you develop a risk management plan that protects your documents against disasters and increases the accessibility of your files. We accomplish this goal through the development of an electronic archive. The well-organized standards we provide reduce the time you spend looking for current file versions and allow for the seamless distribution of projects with other team members. They are custom-developed to uniquely address the priorities you identify. They are also updated in accordance with today's industry guidelines and advanced technology.

Risk Management

- Large Document Scanning
- Searchable Archival Database
- Reduction of Storage Space
- Prevention of Info Deterioration
- Files Easily Sent Via the Internet
- Access from Satellite Office

CAD Standards

- AIA, NCS, DOT, Agency, Etc.
- Standard Blocks & Layers
- Standard File Names
- Standard Plotting Configurations

Auto CAD Civil 3D

- Survey Data, Points, and Surfaces
 - AutoCAD Map and GIS
 - Site Grading
 - Horizontal and Vertical Alignments
 - Profiles and Cross Sections
 - Corridors
 - Storm and Sanitary Analysis
 - Intelligent Pipe Layouts
 - Building Information Modeling
 - Dynamic Quantity Takeoff
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Micro Station Inroads

- Feature-Based Surface Modeling
 - Site Development
 - Horizontal and Vertical Alignments
 - Profiles and Cross Sections
 - Roadway Designer
 - Interchange Design
 - Sanitary and Storm Water Networks
 - Quantity Management
 - XML Production Reports
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If you require any additional information about the above services or would like to know how we can assist with your project, please feel free to Contact Us.



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