

# Improving your **BOTTOM LINE**

*A Detailing Case Study by*



# Detailing Templates Customization Service Makes Impact for Minnesota Steel Detailing Firm

*Briese Iron Works, Inc. puts customized pour stop detailing template to use*

## *At a Glance*

### THE PROBLEM

Steel detailers spend a great deal of time cleaning up drawings that do not match specific detailing and fabrication standards out of the box. This leads to decreased efficiency and increased cost for detailing a project.

### THE SOLUTION

SDS/2's Detailing Templates Customization service creates customized files specific to individual standards. These templates are used to help intelligently automate the generation of detail drawings.

### THE BENEFIT

Customized detailing templates reduce the time spent on cleaning up drawings, lowering project costs while increasing efficiencies and accuracy, and improving a company's bottom line.

## The Nuts and Bolts of Detailing Templates

Detailing software packages come preloaded with preset templates used to aid in the production of detail drawings. Because of the unique requirements for each fabricator, detailers are often forced to perform repetitive drawing cleanup to get the needed result.

SDS/2's Detailing Templates Customization service takes preset templates one step further, allowing users to apply templates that are specific to their detailing or fabrication standards.

For Briese Iron Works, Inc. in Rochester, Minnesota, the need to continually perform required cleanup on detail drawings for pour stops led to a customized, innovative solution.

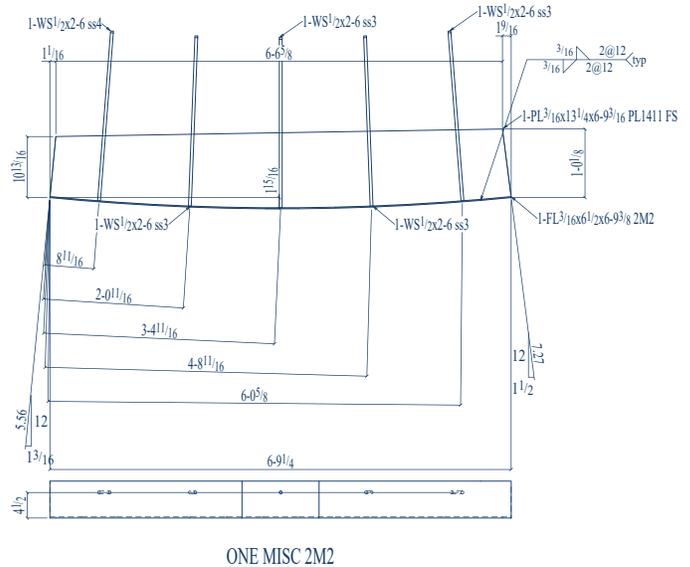
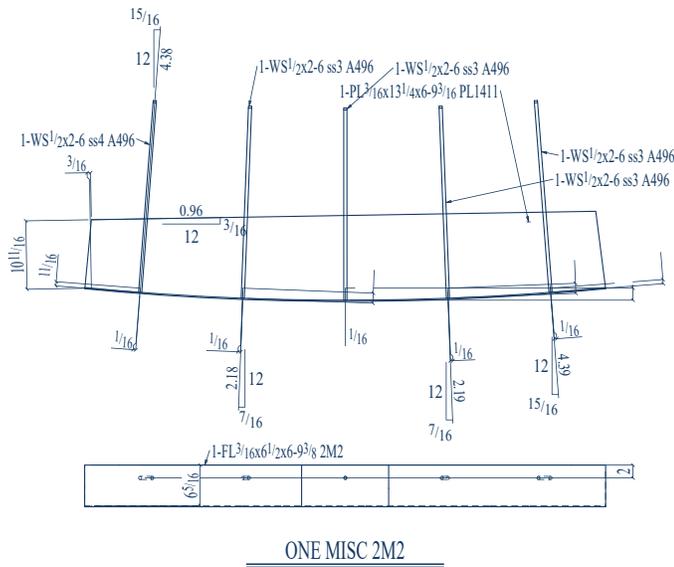
## Pour Stop Detail Drawings Present Unique Challenges

Briese Iron Works frequently uses heavily user-modified curved pour stops with shear studs placed radially in their 3D models. Because of the unique drawing challenges presented by the pour stops, the system-generated details — which included minimal dimensioning — required significant, time-consuming cleanup.

The solution involved a customized detailing template that includes all the dimensions to the radial studs, bevel symbols for the cuts on each end, typical weld symbols, dimensions to locate the shear studs vertically on the pour stops, and the rolling offset.

**BEFORE**

*After*



The system-generated detail drawing (left) required substantial cleanup to meet requirements; the drawing produced by the customized template (right) saves five minutes of detailing time per drawing.

## Customizing the Process

To develop detailing templates that match the exact requirements of Briese Iron Works, the company provided finalized detail drawings that accurately represent their desired pour stop details. The provided drawings served as the end goal for the detailing templates.

In addition, Briese Iron Works also submitted a previously completed SDS/2 job to provide a look into the real world environment in which they detail and model projects.

This provided a twofold benefit: it showed the SDS/2 development team the overall methodology of their current drawing production; and it presented a platform the development team could use to test the templates as they were being written.

This flow of information was critical to ensuring the highest level of accuracy in the final product.



### The Success is in the Details

In the short time since Briese Iron Works has implemented their customized pour stop detailing templates, the company has realized substantial time savings and has recouped the entire cost of the customization service in less than six months.

### About the Company

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SDS/2, a Nemetschek company, is a leading software innovator for the steel industry's fabrication, detailing and engineering sectors. SDS/2 software products provide automatic connection optimization, detailing, engineering information, fabrication data and much more, reducing the time required to design, detail, fabricate and erect steel.

Founded in 1981 and headquartered in Lincoln, Nebraska USA, the company serves customers in 17 countries.