

GRATING DESIGN

BIM MODELING PROCESS

Ohio Gratings, Inc. fully supports the Building Information Modeling (BIM) process. We provide a complete grating solution within your design model.

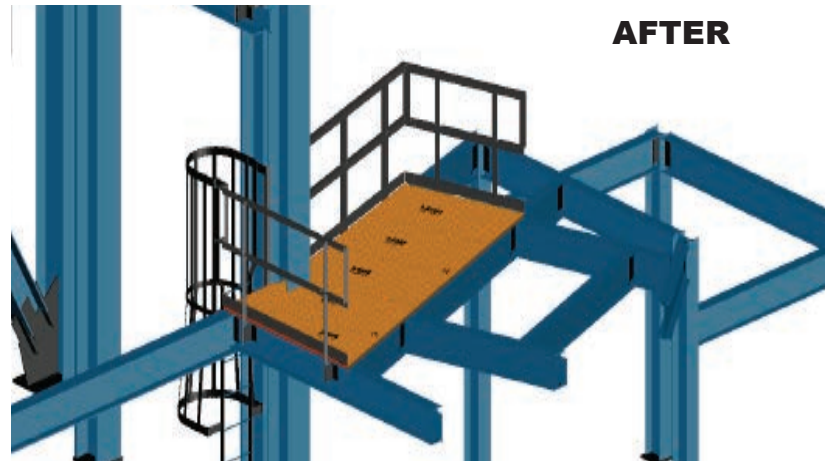
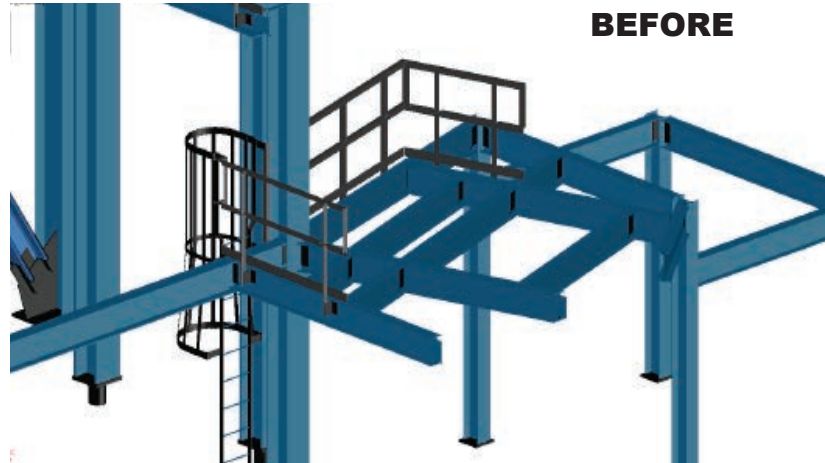
As the complexity of structural designs and the size of projects increases, the need to manage information and design details becomes critical. The Building Information Modeling (BIM) process provides an accurate 3D model of a building or structure that can be contributed to by everyone participating in the design of the project.

SDS/2® | TEKLA® | AUTODESK®

Ohio Gratings' advanced detailing system seamlessly integrates with SDS/2®, Tekla®, and AutoDesk® design software packages.

- We develop grating solutions directly inside the client's model without the need for additional drawings, which helps to ensure the highest levels of accuracy.
- We can identify and address design and layout issues well before the product is produced.
- We add our grating products to the model and return the model in IFC format, keeping the client's model intact.

Our advanced grating design tools generate all of the required fabrication drawings, production bill of materials, CNC files and all other related paperwork. This guarantees our clients the most efficient and accurate fabrication process and ensures that all design parameters are driven directly from the client's structural steel model.



SDS/2® Design Data is a registered trademark with Nemetschek.
TEKLA® is a registered trademark with Trimble Solutions Corporation.
AUTODESK® is a registered trademark with Autodesk, Inc.



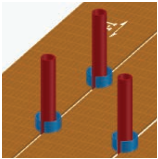
OHIO GRATINGS, INC.

5299 SOUTHWAY ST. SW | CANTON, OH 44706
P: 800.321.9800 | F: 330.477.7872
WWW.OHIOGRATINGS.COM

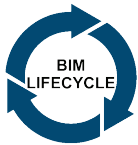
GRATING DESIGN

BIM MODELING PROCESS

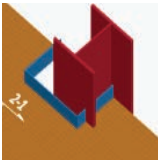
BIM Modeling Features and Benefits



◀ **Visualization:** Our detailers and design engineers visualize how the grating layout coordinates with structural supports, moment connections, handrails, stringers, pipe penetrations, equipment and more.



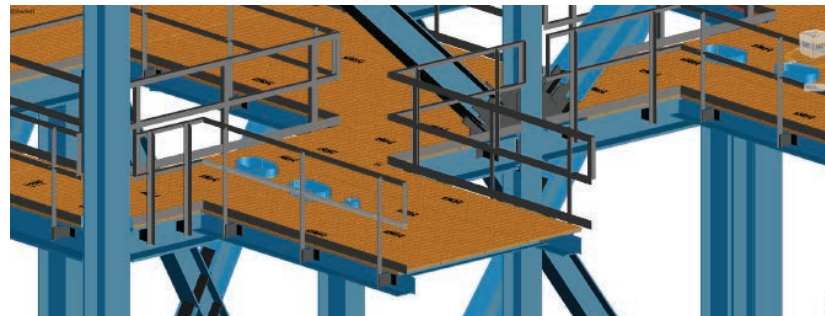
◀ **Coordination:** By developing the grating solution within the design model, our clients have the ability to easily coordinate and share design information with material suppliers, vendors and design firms.



◀ **Clash Detection:** Our system will auto-detect interferences between our client's model and the proposed grating solution. These issues can be quickly resolved to ensure that notches, cutouts and design features are precisely located to minimize field adjustments during installation.



▲ Grating products are seamlessly integrated into the client's structural model.



▲ Grating features and fabrication extras (toe plate, anchor blocks, hatches, hinges, etc.) are included in the model.



OHIO GRATINGS, INC.

5299 SOUTHWAY ST. SW | CANTON, OH 44706
P: 800.321.9800 | F: 330.477.7872
WWW.OHIOGRATINGS.COM