Getting Started for First Time Users

Crack Midas Civil in 15 Minutes

Course Goals:

- How to locate user manuals
- How to find help online
- Get familiarized with midas Civil user interface
- Gain confidence by creating a simple bridge deck model under 10 minutes

Locating Midas Civil Manual in C drive

- Once you have installed the software, you can refer to the manuals and tutorials at C:\Program Files\MIDAS\midas Civil\Manual

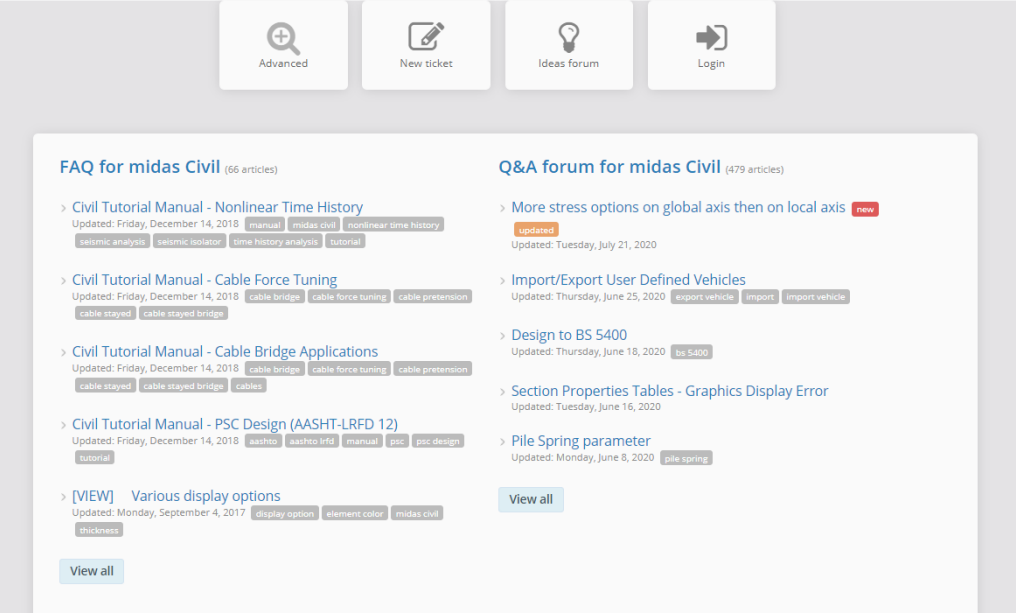
- You can also find midas Civil online manual here http://manual.midasuser.com/EN_Common/Civil/895/index.htm

Access to Online Support

- When in doubt, you can submit your questions to our technical support team from this link once you set up your account for the support web page.
- You can also view midas Civil user forums and FAQs on this website.

MIDAS Customer Online Support

https://globalsupport.midasuser.com/helpdesk/



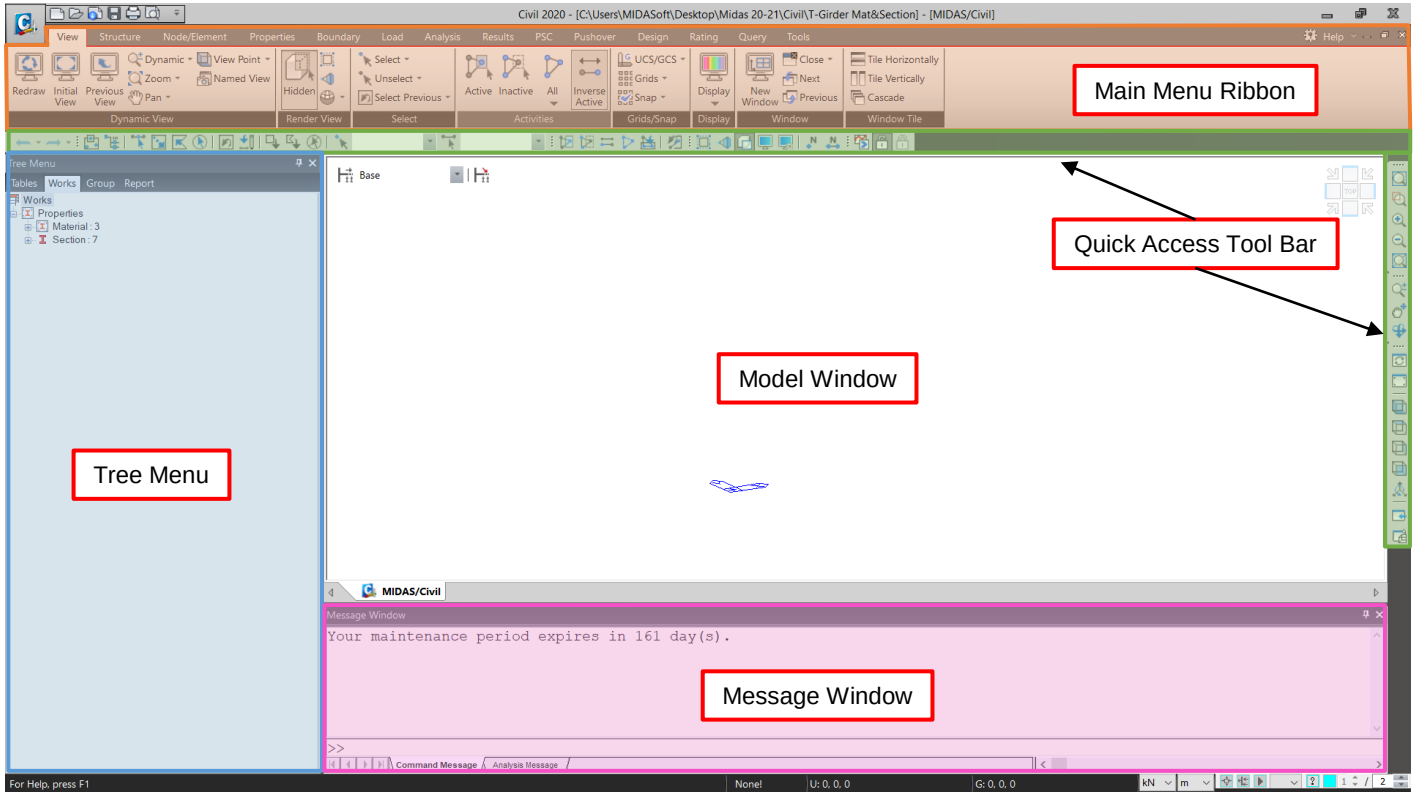
We try to stick to our general support policies of

- First response within **24** hours
- Complete resolution within **3-4** business days

Based on the report from first half of 2020:

- Currently we answer and resolve an average of **150** tickets per month from our clients in the US & Canada
- **77**% of our clients give us 5 out of 5 ratings on their satisfactory level on our technical support service.

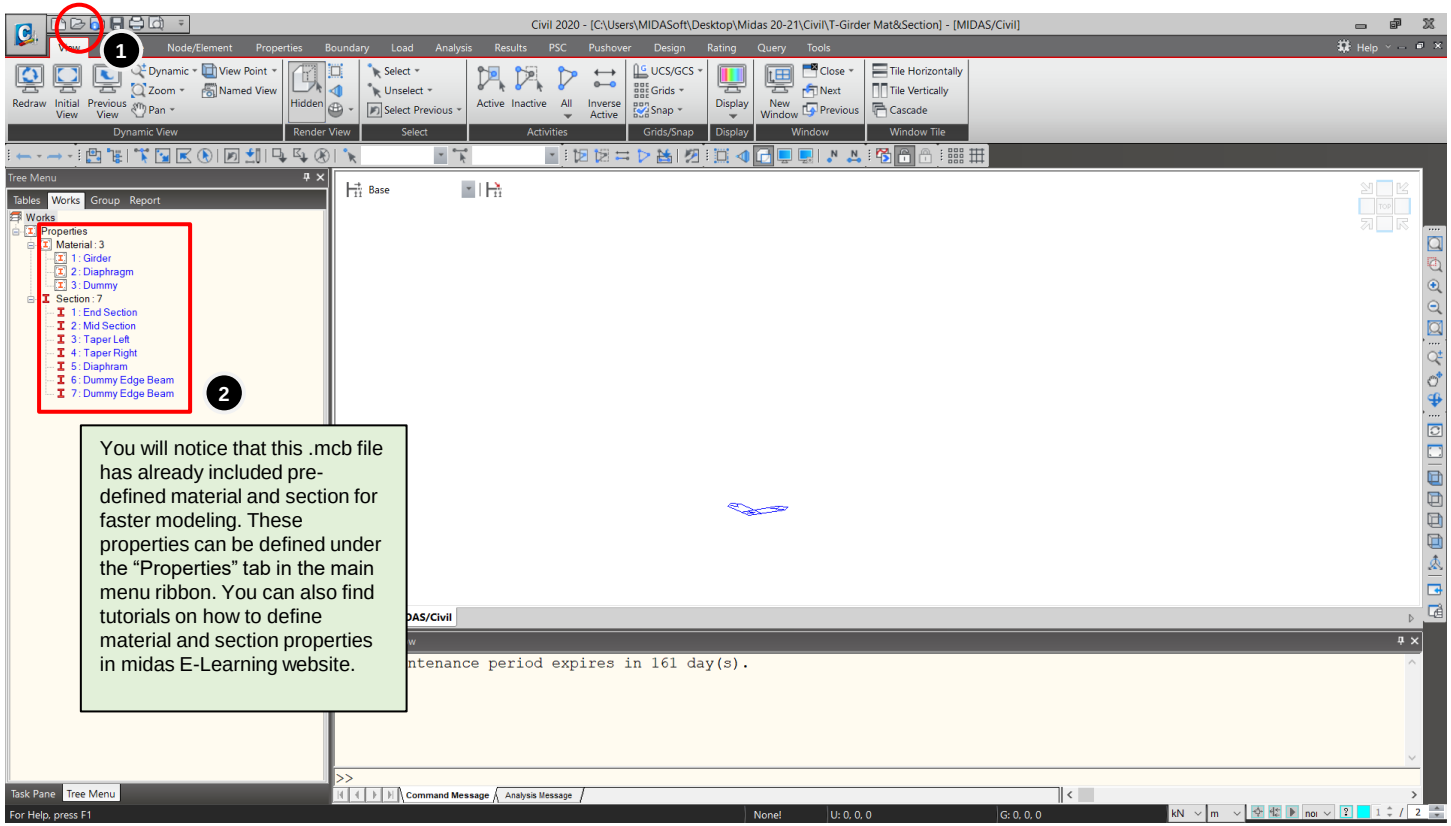
Midas Civil User Interface



Now it is time to get familiarized with midas Civil and gain confidence by building a simple bridge model from our step-to-step guide!

Build A T-Girder Bridge Deck in 8 Minutes

- Step 1, download file “T-Girder Mat&Section.mcb” and open in midas Civil



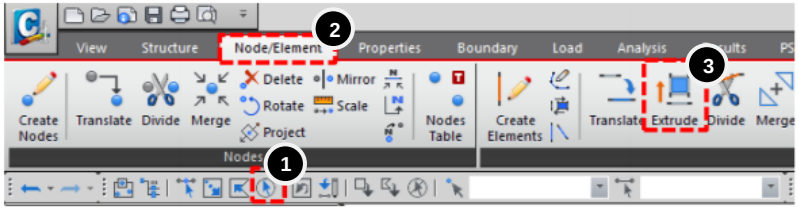
Build A T-Girder Bridge Deck in 8 Minutes

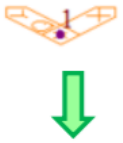
Model Generation – Creating Elements (Girder)

1. Click on "**Select All**" to select the node **no.1**
2. Click on "**Node/Elements**"
3. Click on "**Extrude**"

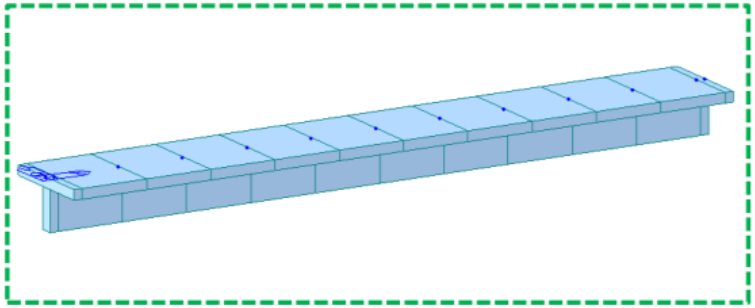
   Go to **"Tree Menu"**
4. Select Extrude Type "**Node -> Line Element**"
5. Select Element Type "**Beam**"
6. **Generating Elements:**

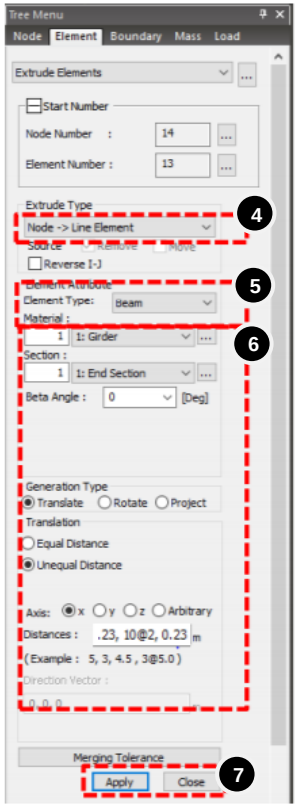
   Select Material "**Girder**"
   Select Section "**End Section**"
   Select Generation type " **Translate**"
   Select Translation "**Unequal Distance**"
   Select Axis "**X**"
   Distances > ***0.23,10@2,0.23***
   Click "**Apply**"
7. Click on "**Close**"





Node extruded to create elements





Build A T-Girder Bridge Deck in 8 Minutes

- Step 2, Creating girder elements

Model Generation – Translate Elements

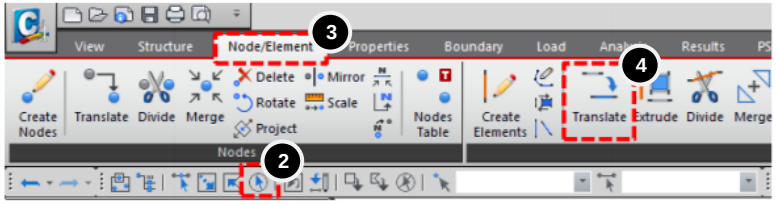
1. To view the model in isometric view

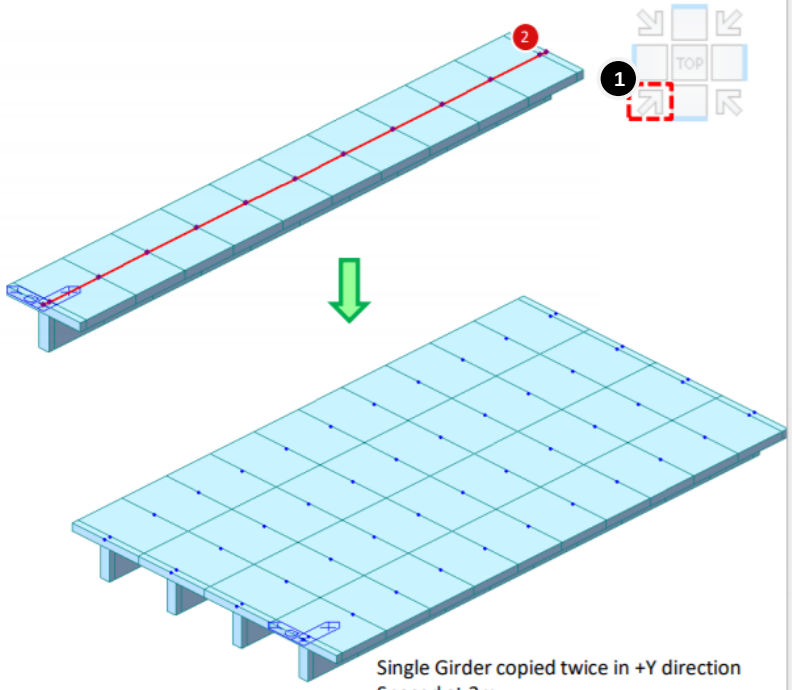
   Click on 

2. Click on "**Select All**  to select the girder element

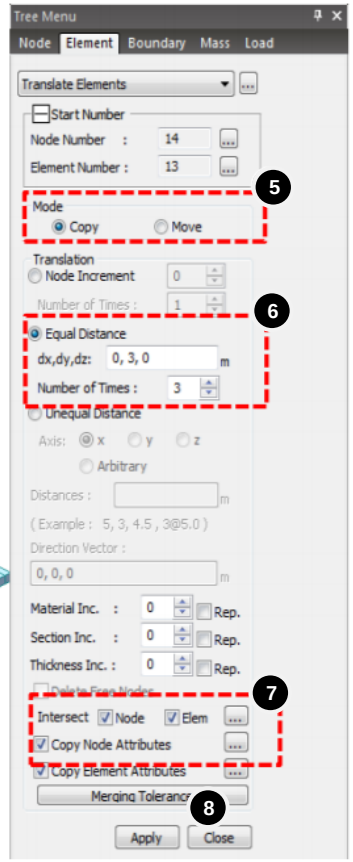
To copy the girder twice along +Y direction at a space of 3m each

3. Click on "**Node/Element**"
4. Click on "**Translate Element**"
5. Go to "**Tree Menu**" > Mode "**Copy**"
6. Translation **"Equal Distance"**
   dx,dy,dz > "**0,3,0**"
   Number of times "**3**"
7. Check on "**Intersect Node , Element, Copy Node Attributes, Copy Element Attributes**"
8. Click "**Apply**"





Single Girder copied twice in +Y direction
Spaced at 3m



Build A T-Girder Bridge Deck in 8 Minutes

- Step 2, Creating girder elements

Model Generation – Translate Elements

1. To view the model in isometric view

   Click on 

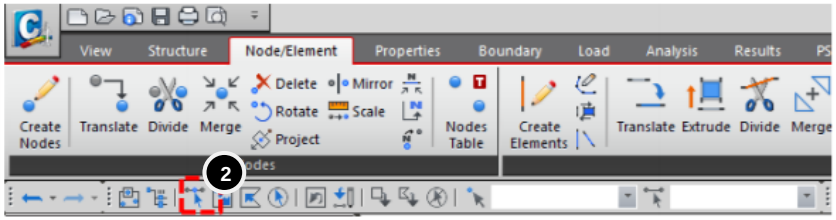
2. Click on "**Select Single**  "

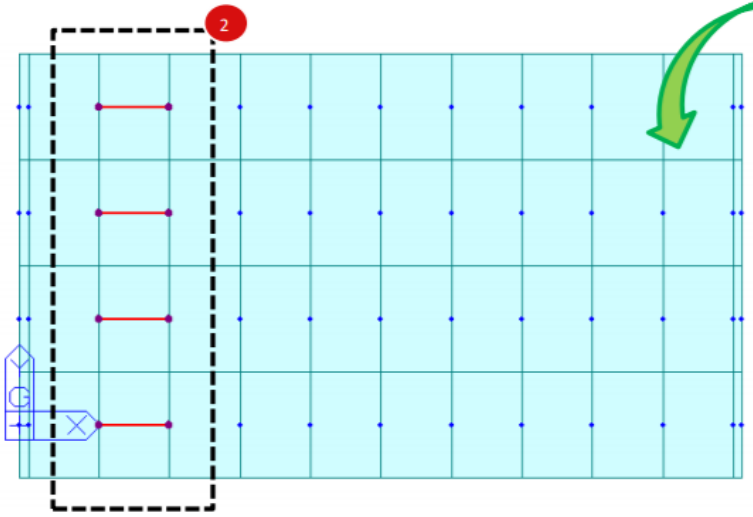
   Select the highlighted portion as shown in figure.

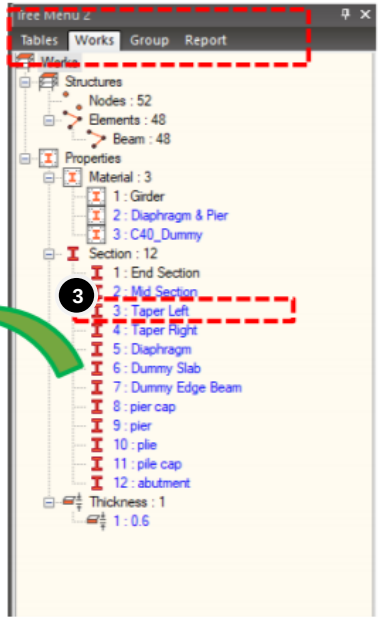
3. Go to Tree Menu

   Select Section > **Taper Left**

   Using Drag and drop option assign in model window.







Build A T-Girder Bridge Deck in 8 Minutes

- Step 2, Creating girder elements

Model Generation – Translate Elements

1. Similarly,

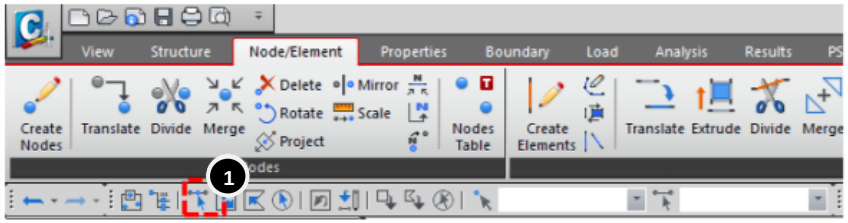
   Click on "**Select Single**  "

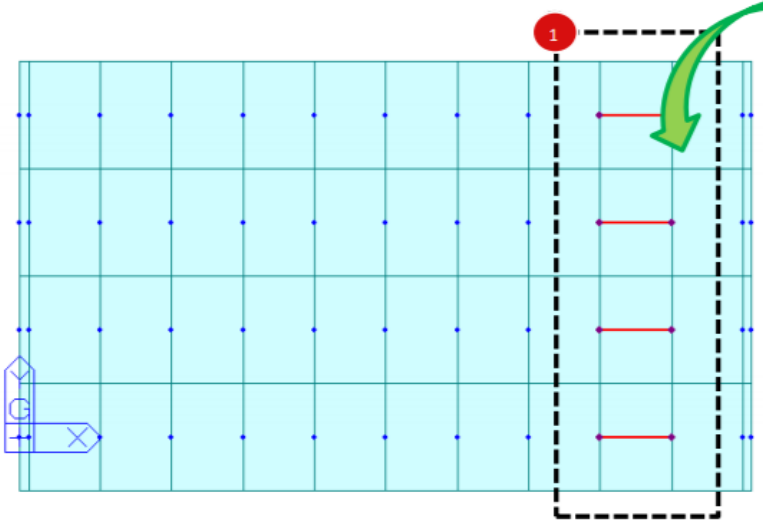
   Select the highlighted portion as shown in figure.

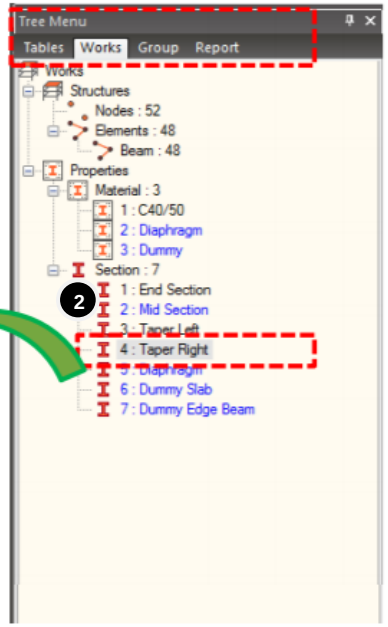
2. Go to Tree Menu

   Select Section > **Taper Right**

   Using Drag and drop option assign in model window.







Build A T-Girder Bridge Deck in 8 Minutes

- Step 2, Creating diaphragm elements

Model Generation – Creating Diaphragm

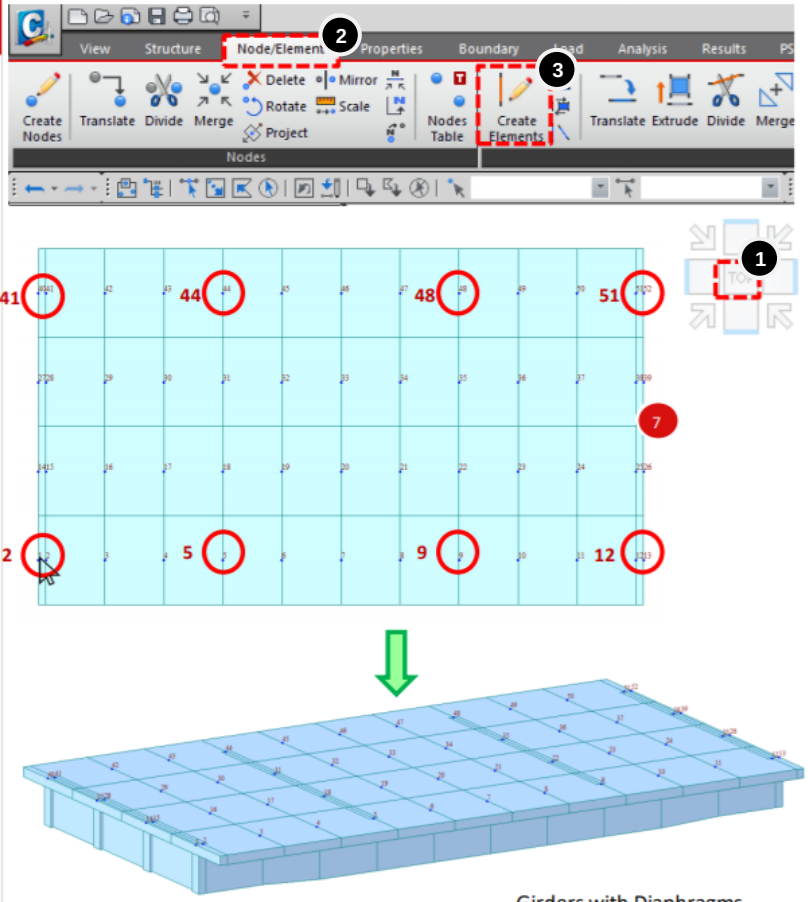
1. To view the model in Top view Click on 
2. Click on “**Node/Elements**”
3. Click on “**Create Elements**”

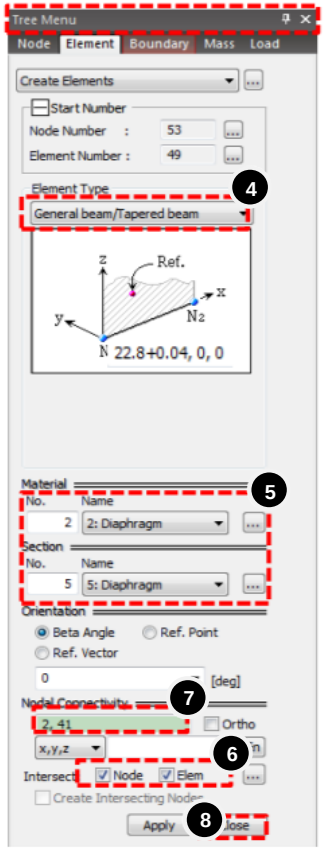
   Go to “**Tree Menu**”

   Generating Elements - Diaphragm:

4. Element Type > **General Beam/ Tapered Beam**
5. Select Material > “**Diaphragm & Pier**”
   Select Section > “**Diaphragm**”
6. Check **Node** and **Element** check box
7. Click in **Nodal Connectivity box** & then Click on Node no. **2** and **41** to create end diaphragm between those two nodes

   Similarly create End diaphragm between
   Nodes **5** and **44**
   Nodes **9** and **48**
   Nodes **12** and **51**
8. Click on “**Close**”





Nice! You have completed this tutorial! What's next?

- More in-depth tutorials and features of midas Civil can be found on midas E-Learning website. And you can access them anytime for free!
  https://www.midasoft.com/e-learning