Getting Started for First Time Users

Crack Midas Gen in 15 Minutes

Course Goals:

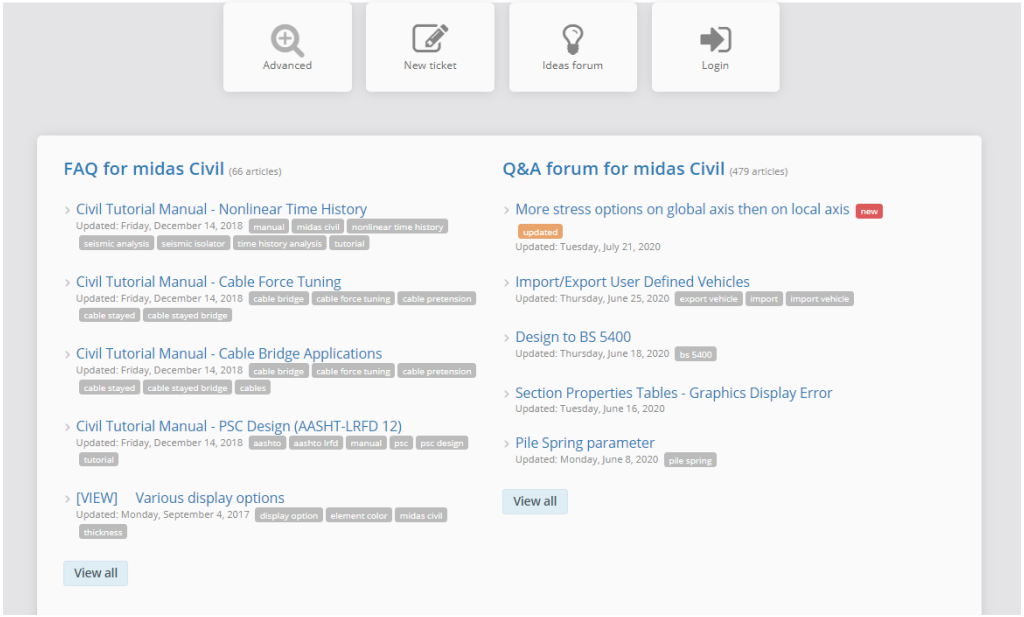
- How to locate user manuals
- How to find help online
- Get familiarized with midas Gen user interface
- Gain confidence by creating a simple steel structure under 10 minutes

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 Gen 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

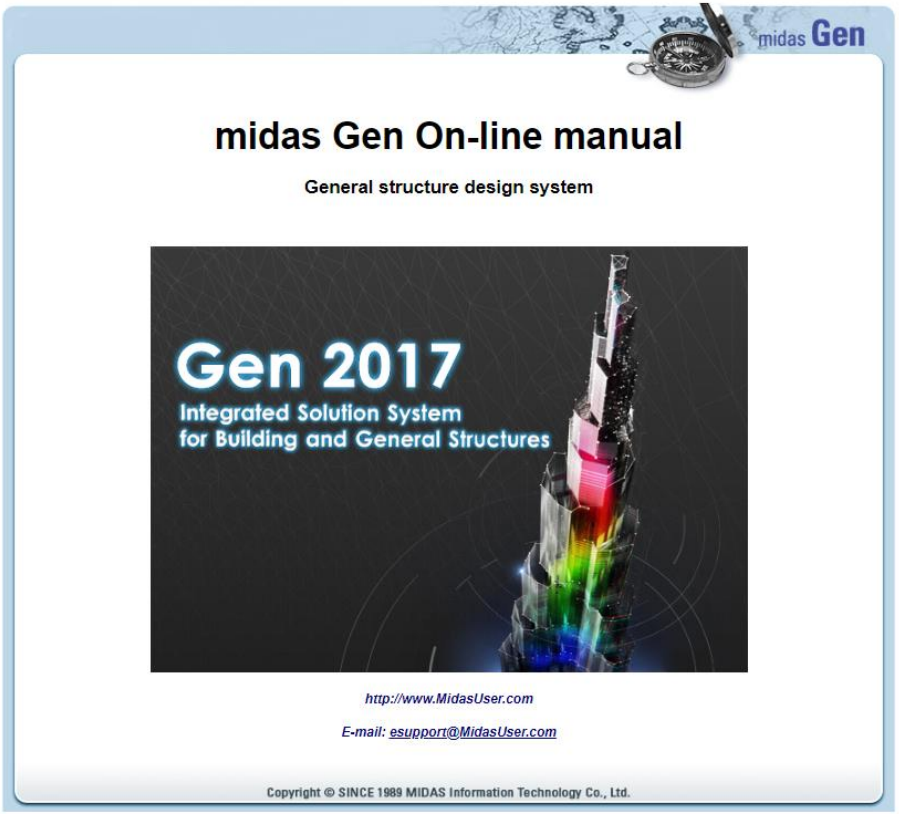
Based on the report from first half of 2020:

- 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.

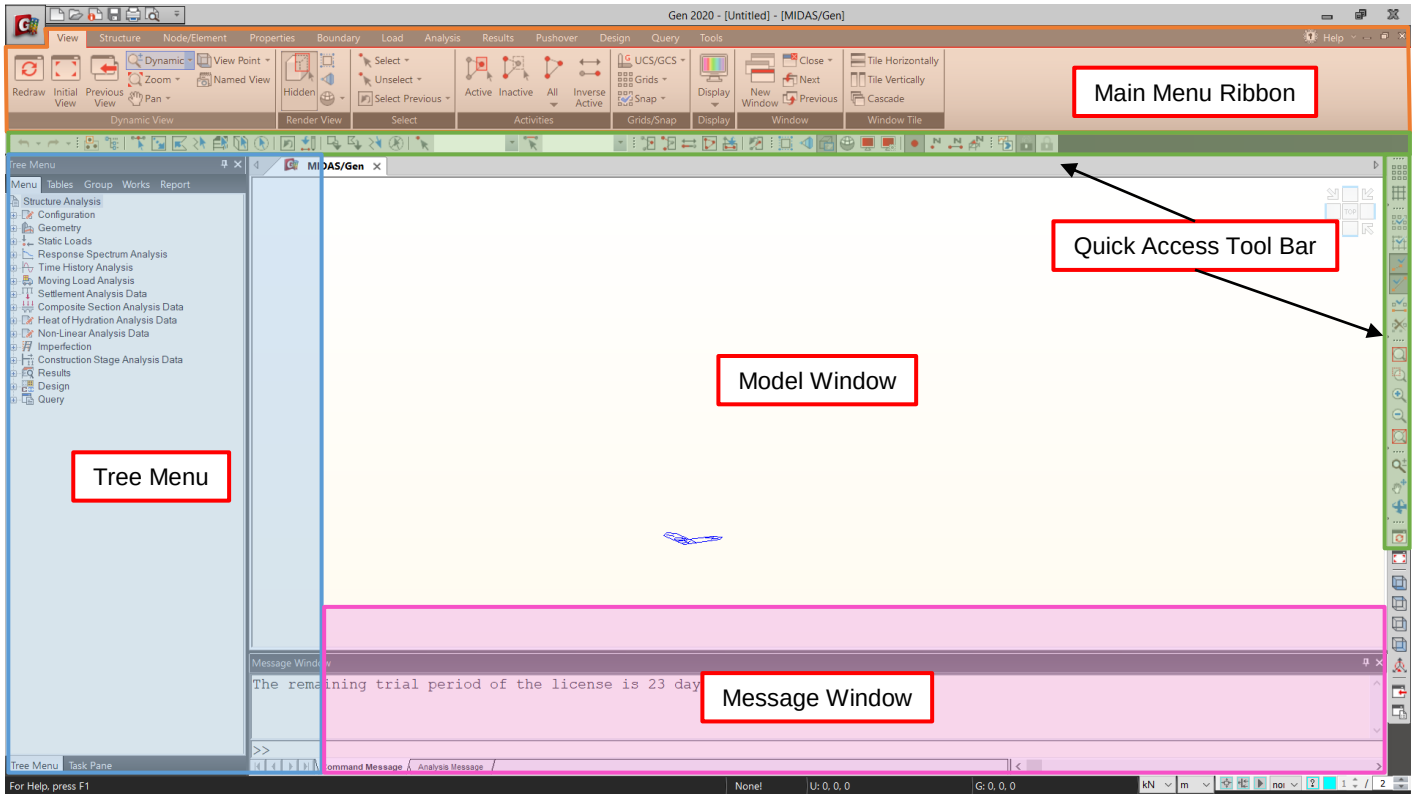
Locating Midas Gen Manual in C drive

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

- You can also find midas Gen online manual here http://manual.midasuser.com/EN_Common/Gen/855/index.htm



Midas Gen User Interface



- Use your middle mouse button to zoom
- Click middle mouse button to translate/move model view
- Ctrl + Click middle mouse button to rotate

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

Structural Plans & Sections

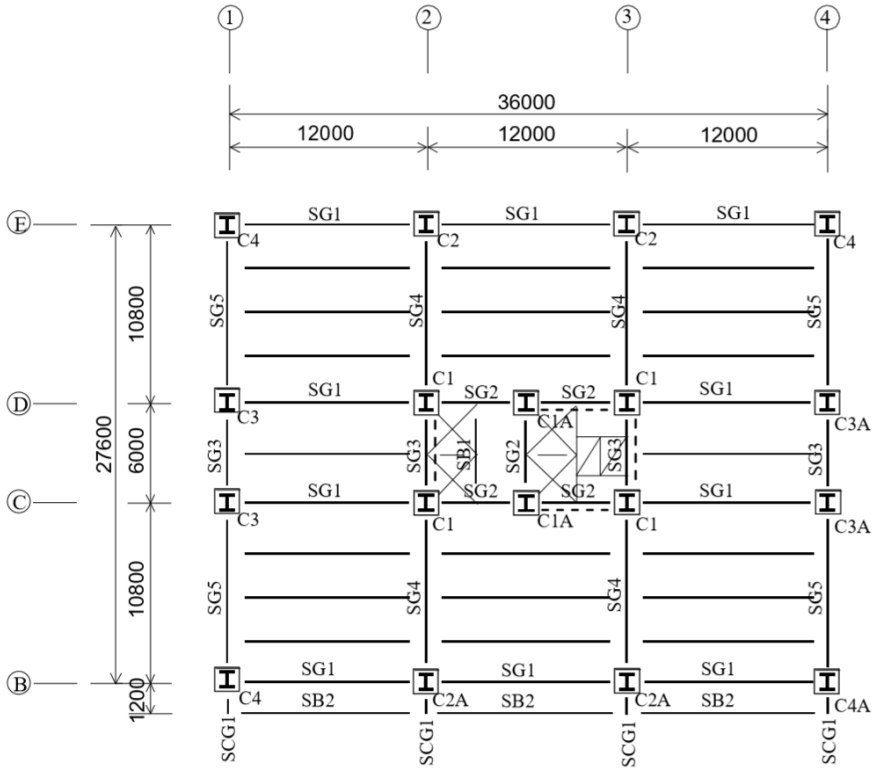


Figure 1. Structural Plans

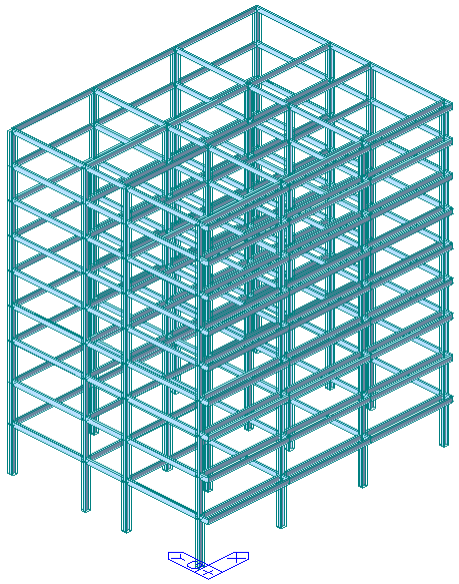


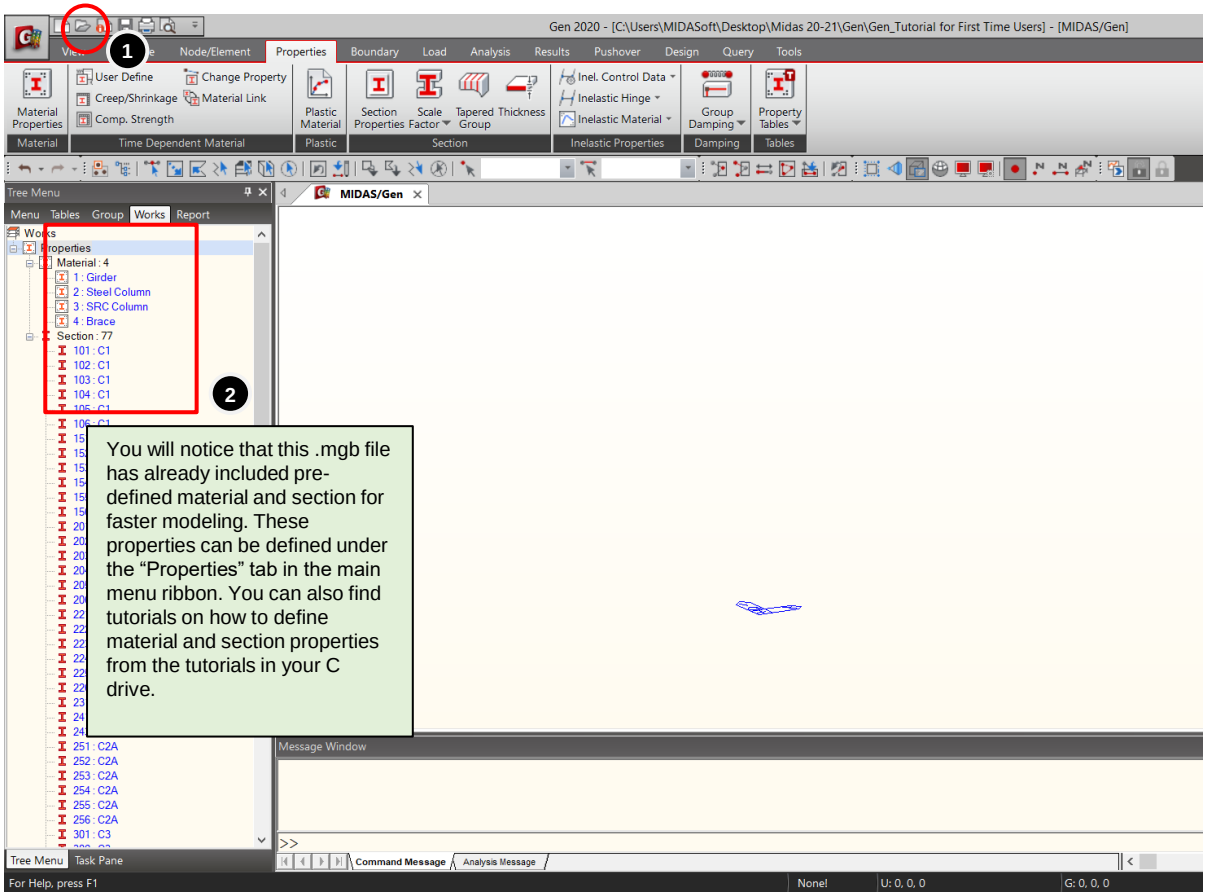
Figure 2. Structural Plans

Table 1. Section information

Element Name	Section ID	DB	Section Size
SG1	521	AISC	W24x76
SG2	522	AISC	W21x62
SG3	523	AISC	W14x48
SG4	524	AISC	W27x129
SG5	525	AISC	W24x103
SB1	531	AISC	W12x26
SB2	532	AISC	W8x31
SCG1	571	AISC	W14x34

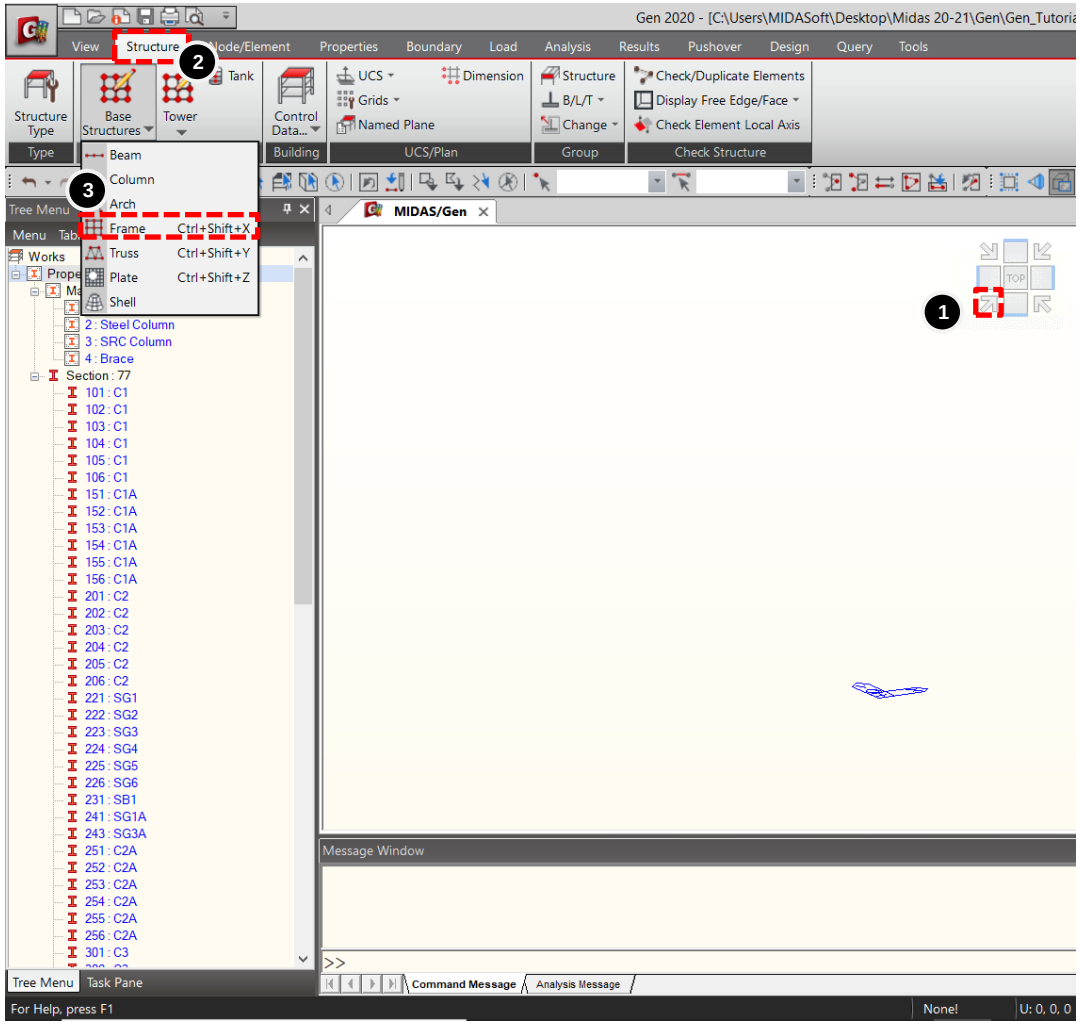
Import Predefined Material and Section Data

1. **Download** the .mgb file “Steel Structure Mat&Section.mgb” and open in midas Gen



Create Frame

1. To view the model with isometric view, click on 
2. Structure
3. Wizard > Base Structure > Frame



Create Frame

1 Input tab

X Coord. / Distance > **12** ; Repeat > **3**
Add X-Coord.

Z Coord./ Distance > **1.2** ; Repeat > **1**
Add Z-Coord.

Z Coord./ Distance > **10.8** Repeat > **1**
Add Z-Coord.

Z Coord./ Distance > **6** ; Repeat > **1**
Add Z-Coord.

Z Coord./ Distance > **10.8** Repeat > **1**
Add Z-Coord.

2 Edit tab

Beta Angle > **90 Deg.**

Material > **1** ; Section > **221**

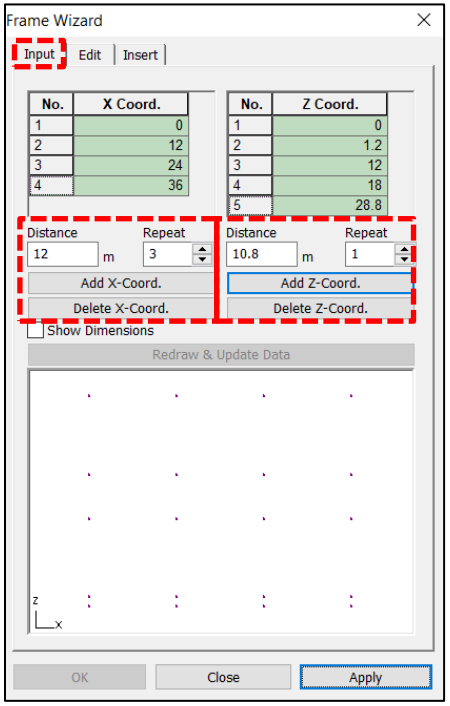
Click Generate Frame.

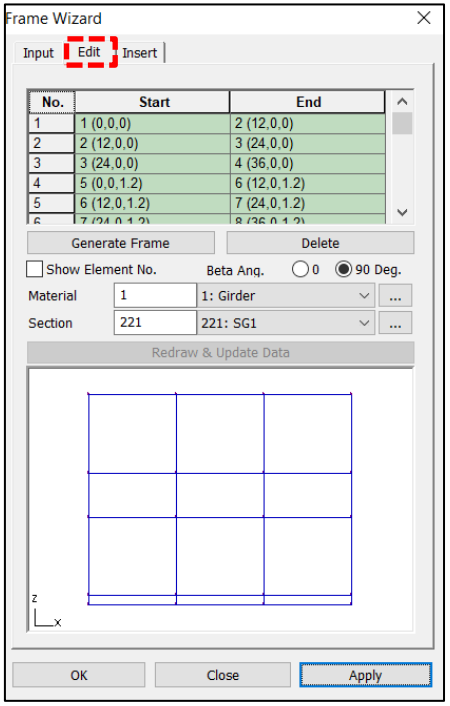
3 Insert tab

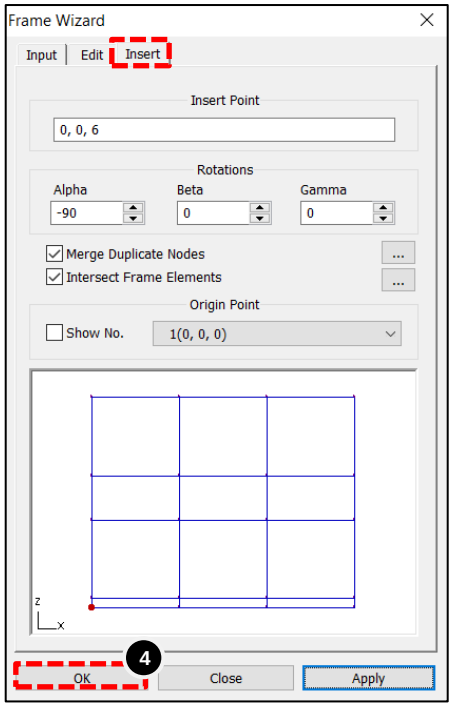
Insert Point > **0, 0, 6**

Rotations / Alpha > **-90** .

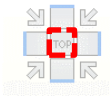
Click OK.





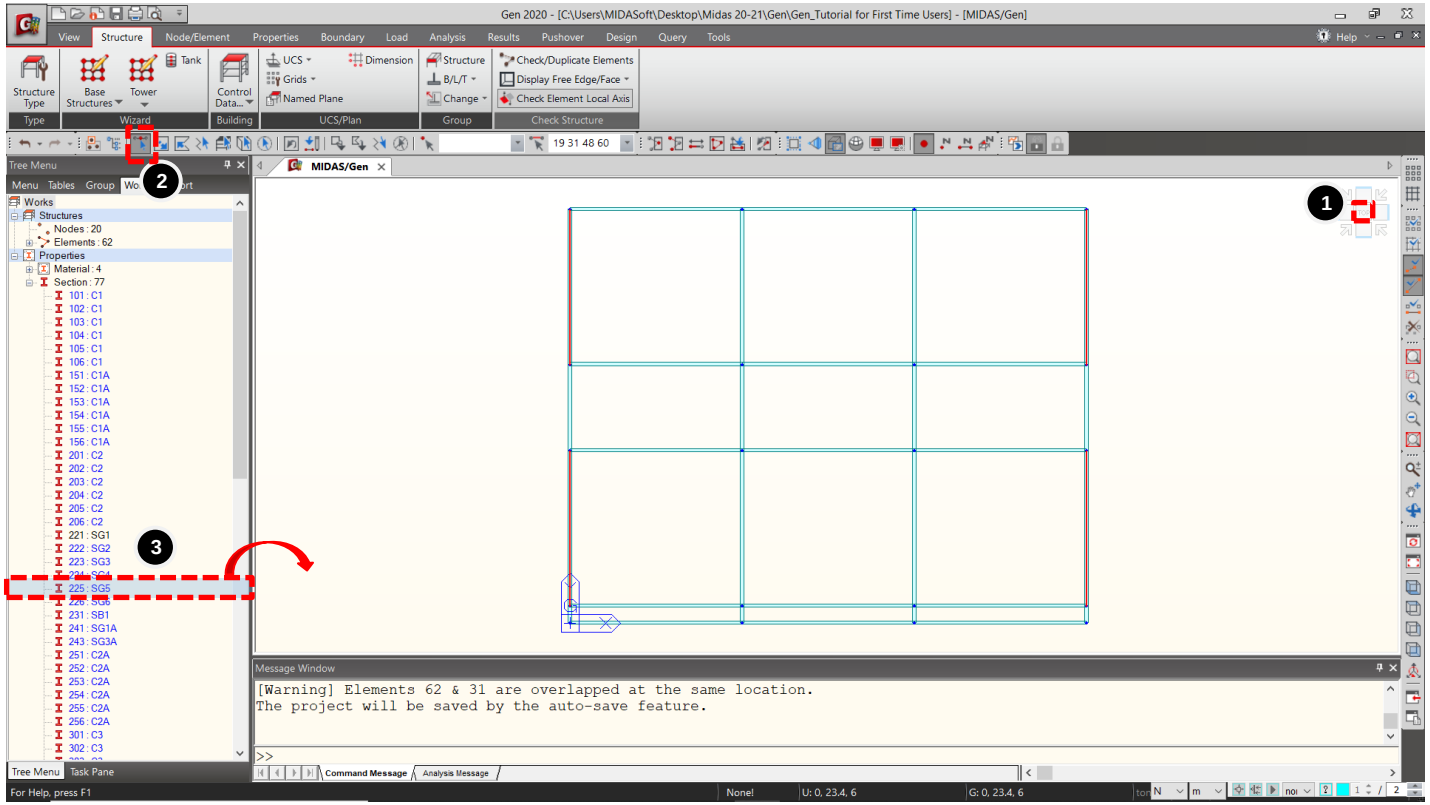


Assign Girder Section According to Figure 1

1. Click on Top View 

2. Use “Select single”  to click on highlighted elements

3. Highlighted element have section property of “SG5” according to Figure 1. Therefore, locate SG5 in tree menu and drag and drop it to the model window. Do the same for all element members.



Build Columns

1. Use “select by window ”  to select nodes and elements

2. Node/Element > Extrude Elements 

Extrude Type > **Node → Line Element**

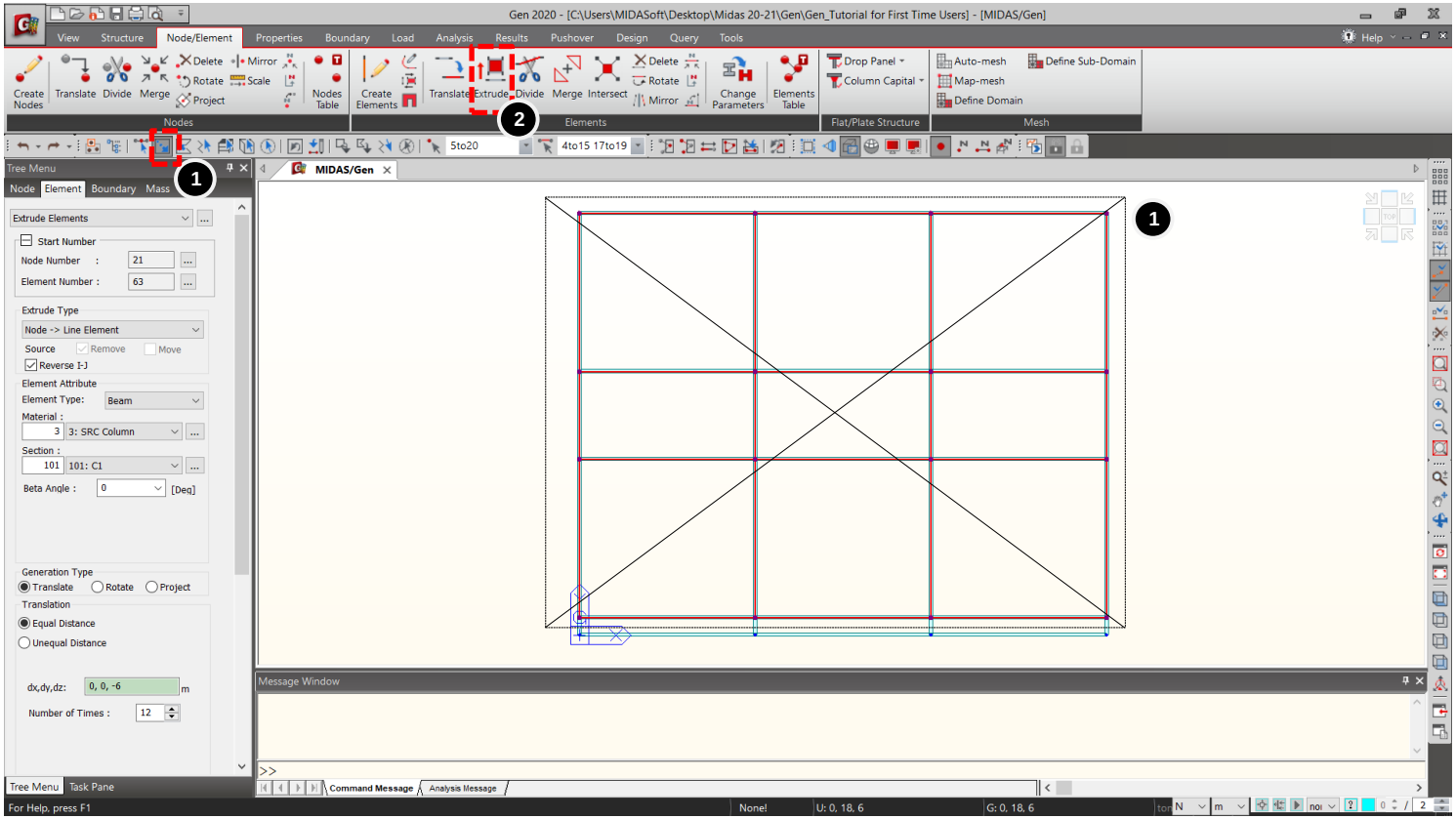
Reverse I-J (on) ;

Material > **3 : SRC Column** ;

Generation Type > **Translate** ;

Beta angle > **0** ;

dx, dy, dz > **0, 0, -6** ↵



Building Generation

1. Select all

2. Structure > Control Data > **Building Generation**

Building Generation > Number of Copies > **2**

Distance(Global Z) > **5** ;

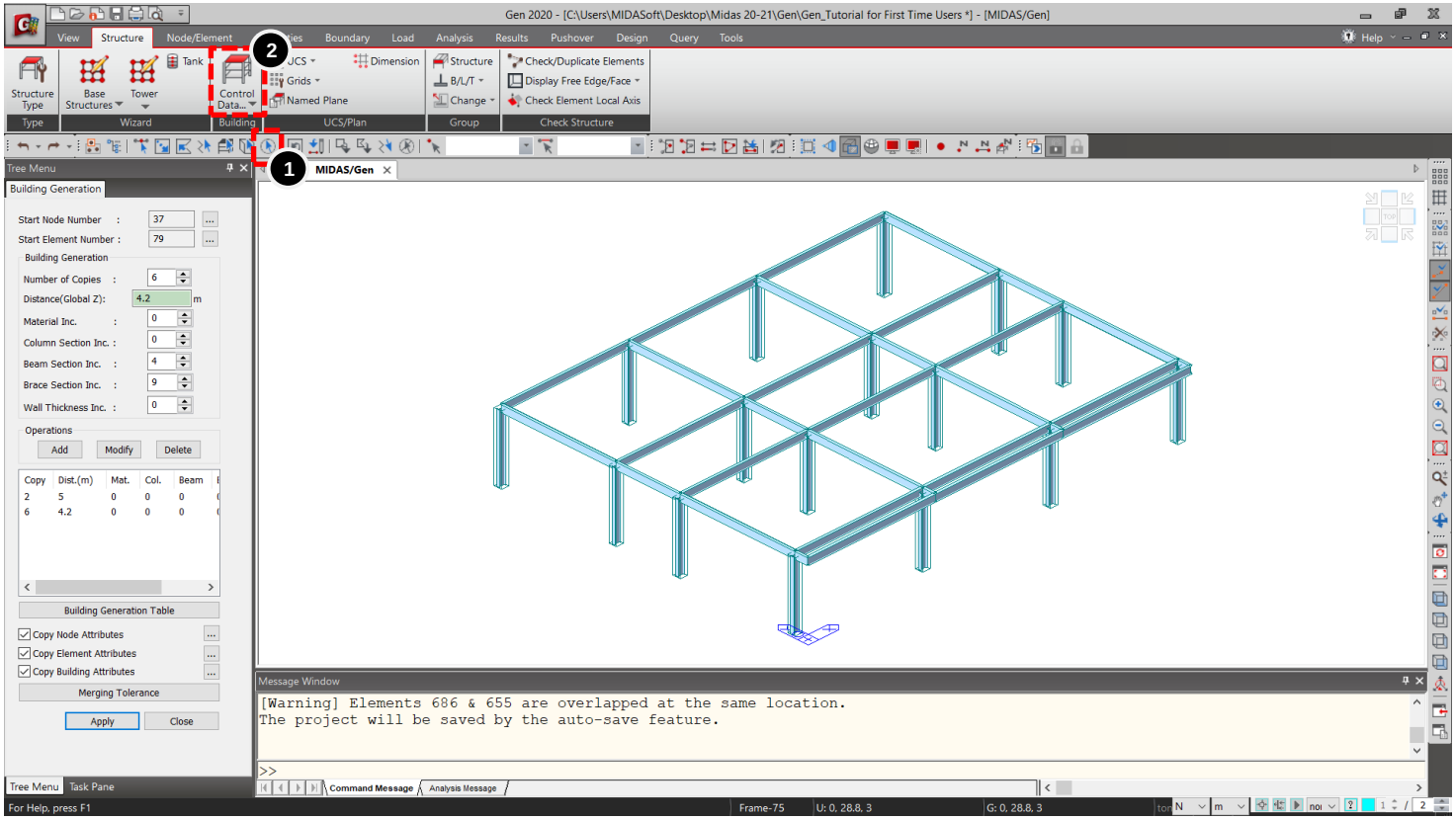
Operations > Add

Building Generation > Number of Copies > **6**

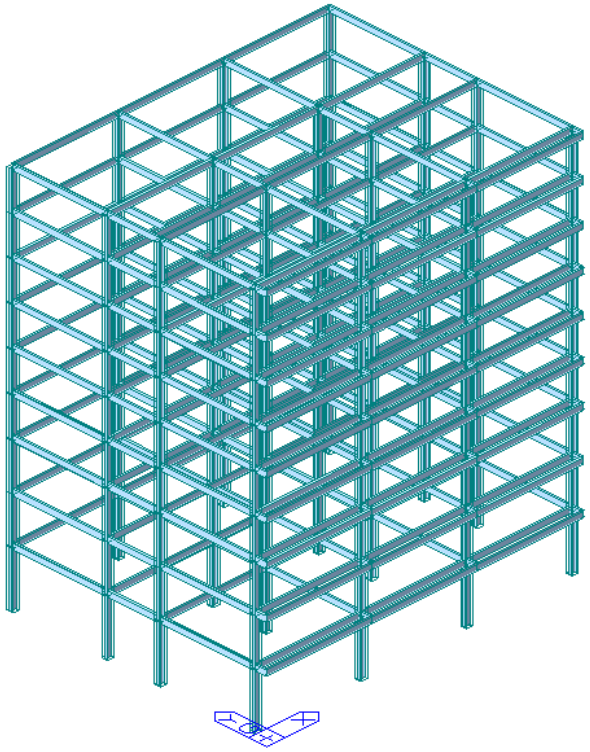
Distance(Global Z) > **4.2** ;

Operations > Add

3. Apply



Good job! You have completed the very first tutorial, now what?



- Explore more midas Gen tutorials at C:\Program Files\MIDAS\midas Gen\Manual\Tutorials. These tutorials are longer and will take more time but will definitely give you more comprehensive knowledge on the capabilities of the software.
- Visit https://www.midasoft.com/building to see webinars done by midas expert users on various real applications.