Product System: INNO_MPS

covers modul prop systems

Example of

FFC-Task Processing

with

Formwork Priority

(from Clearance)

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Given: Baywidths plus Loads plus Clearance-Layout

Clearance: Top = Base
x = 2000 mm
y = 2000 mm

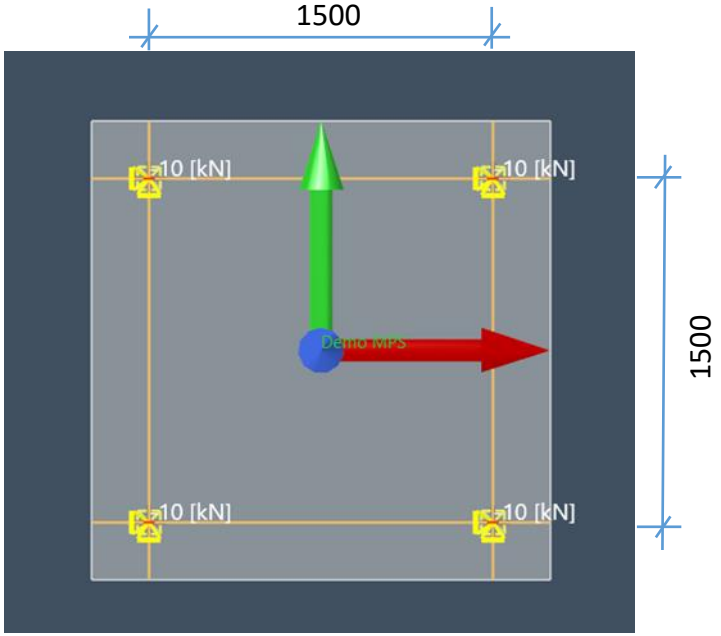
Baywidths: x = 1500 mm
y = 1500 mm

Height: 6000 mm

Legloads: -10kN

Bearing: Top Held x y
Base Restraints acc. to DIN 12811

(LDB: hinged at spindles)



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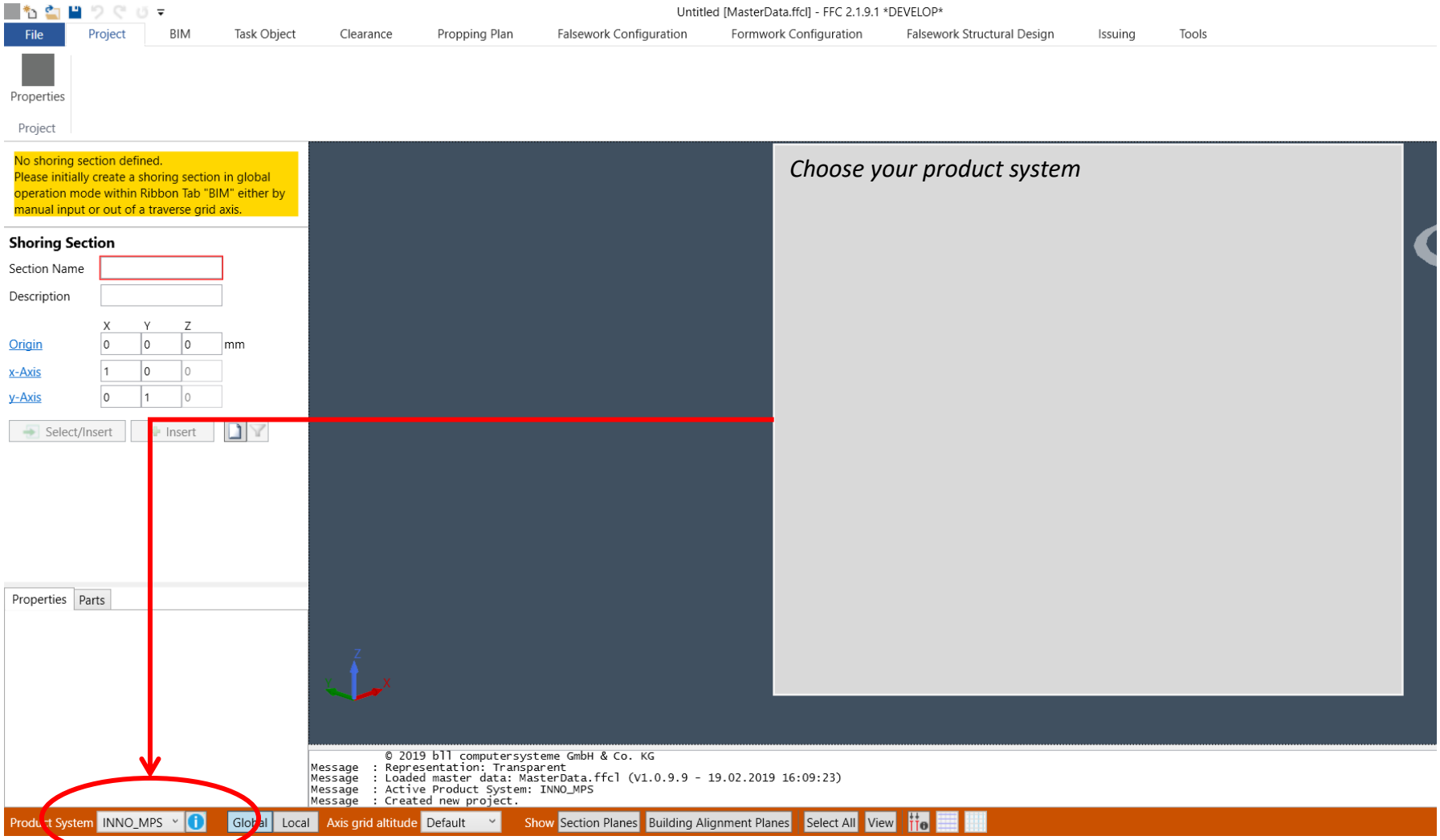
First: Choose your Product System



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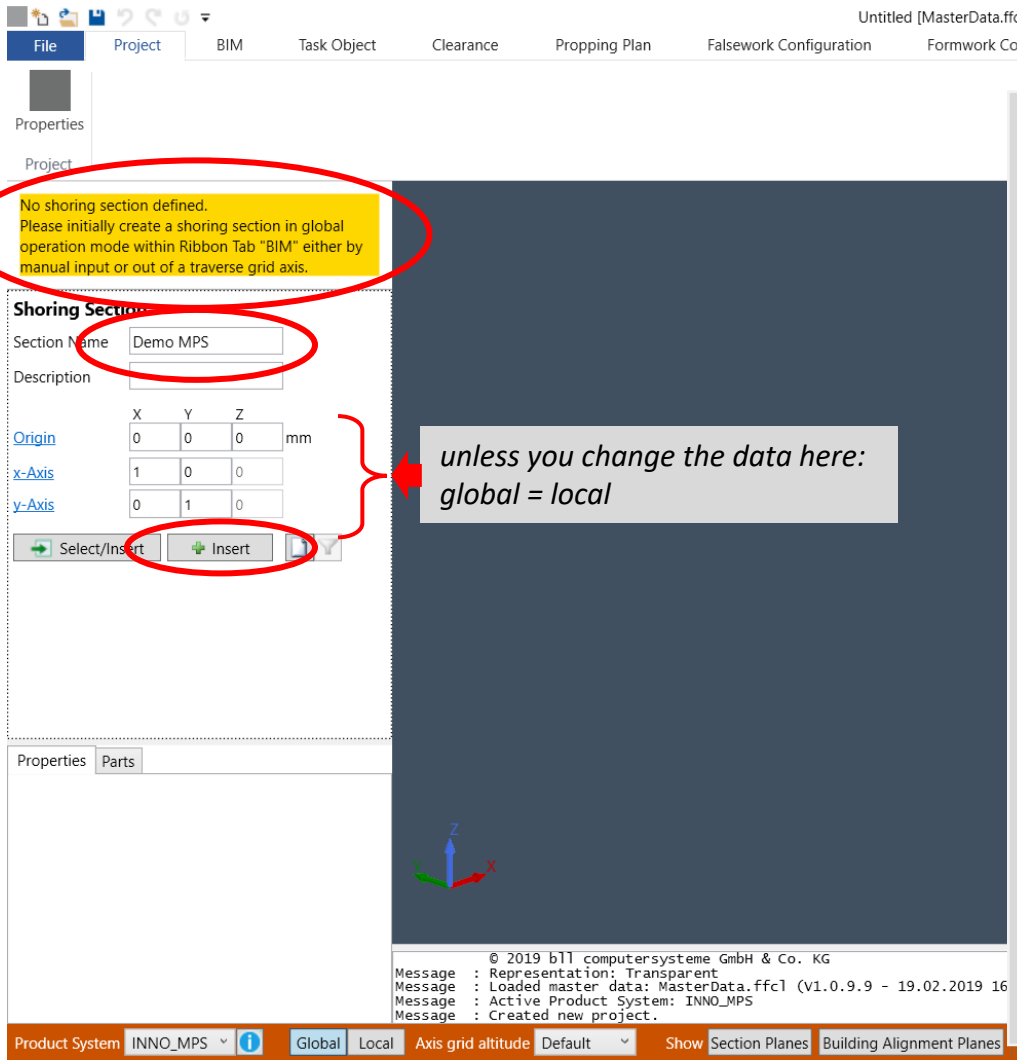
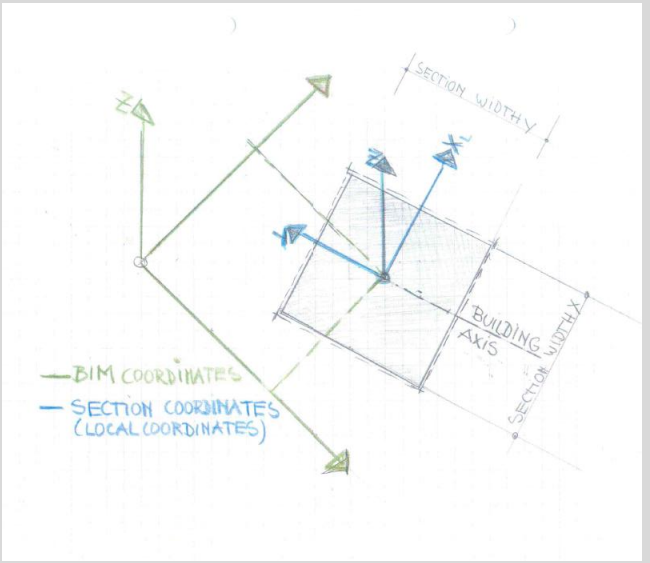
Establish a Section



unless you change the data here: global = local

Hint:
Best would be to establish a FFCc-file when starting a „Project“.

A section is defined by its location, represented by the origin of its local coordinates an its area eg. width along x, width along y. The extend of a section area will be defined under Clearance respectivly entering the Task Object if given.



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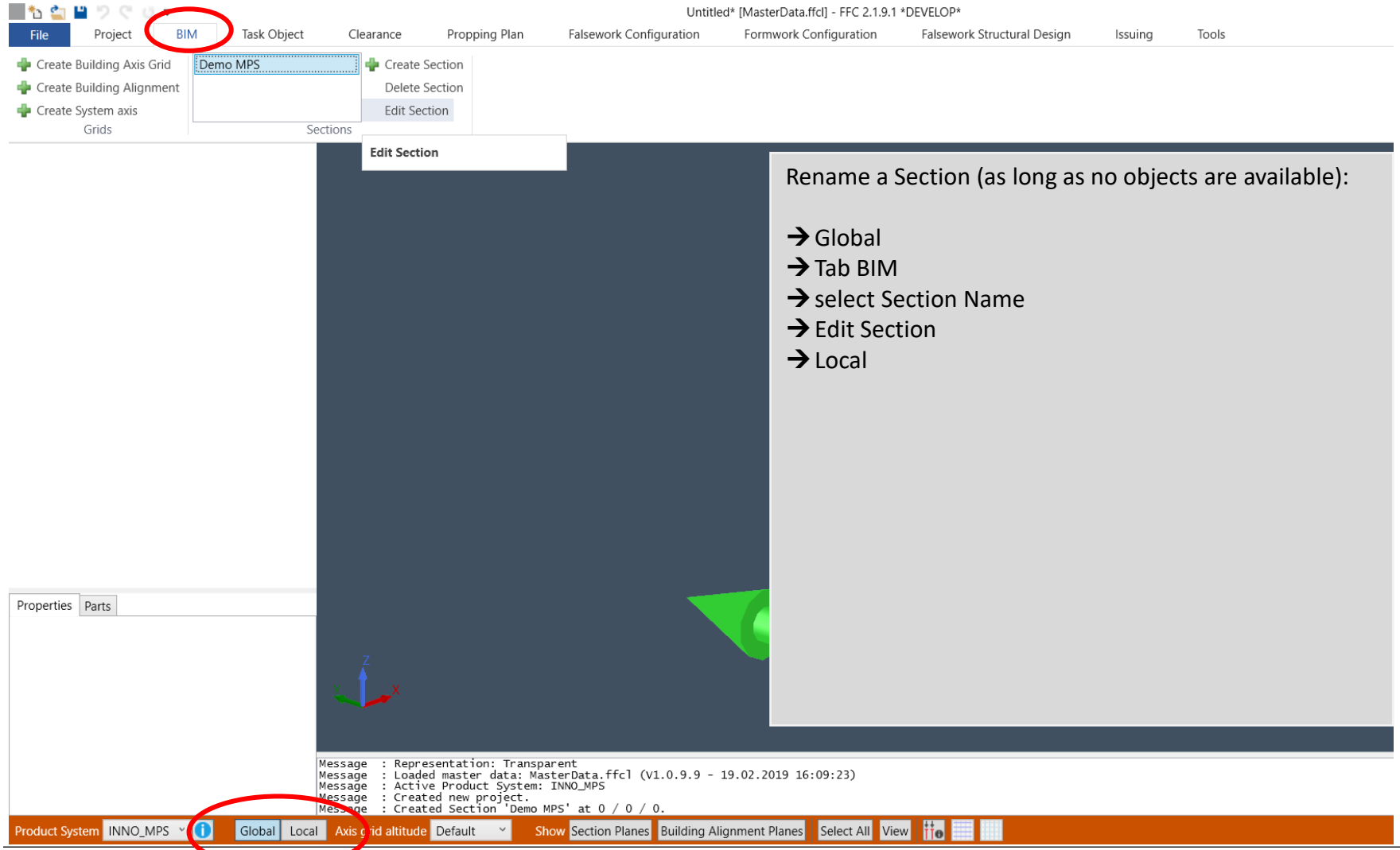
BIM: Rename a Section



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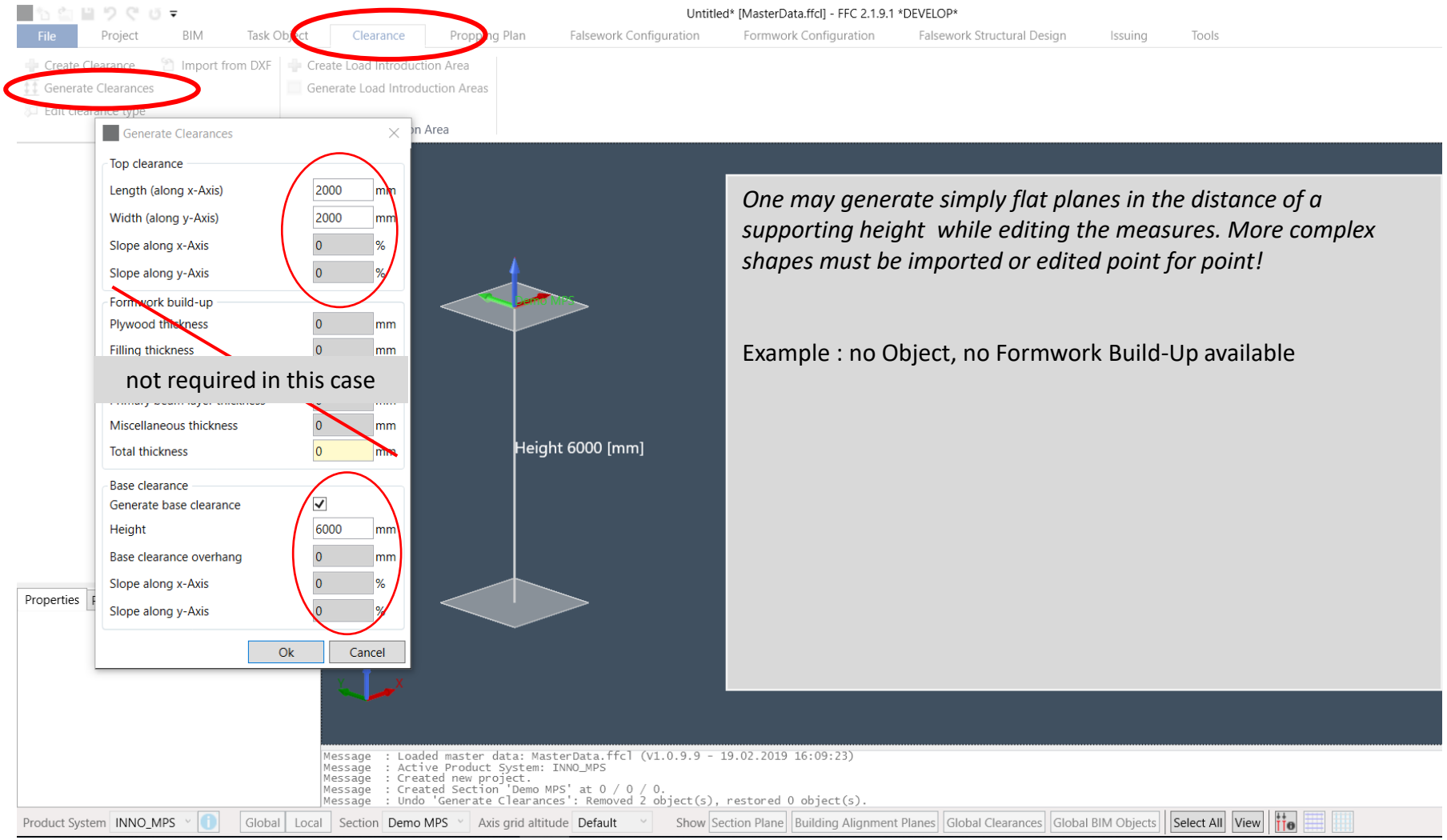
Clearance: “Generate Clearance“



One may generate simply flat planes in the distance of a supporting height while editing the measures. More complex shapes must be imported or edited point for point!

Example : no Object, no Formwork Build-Up available

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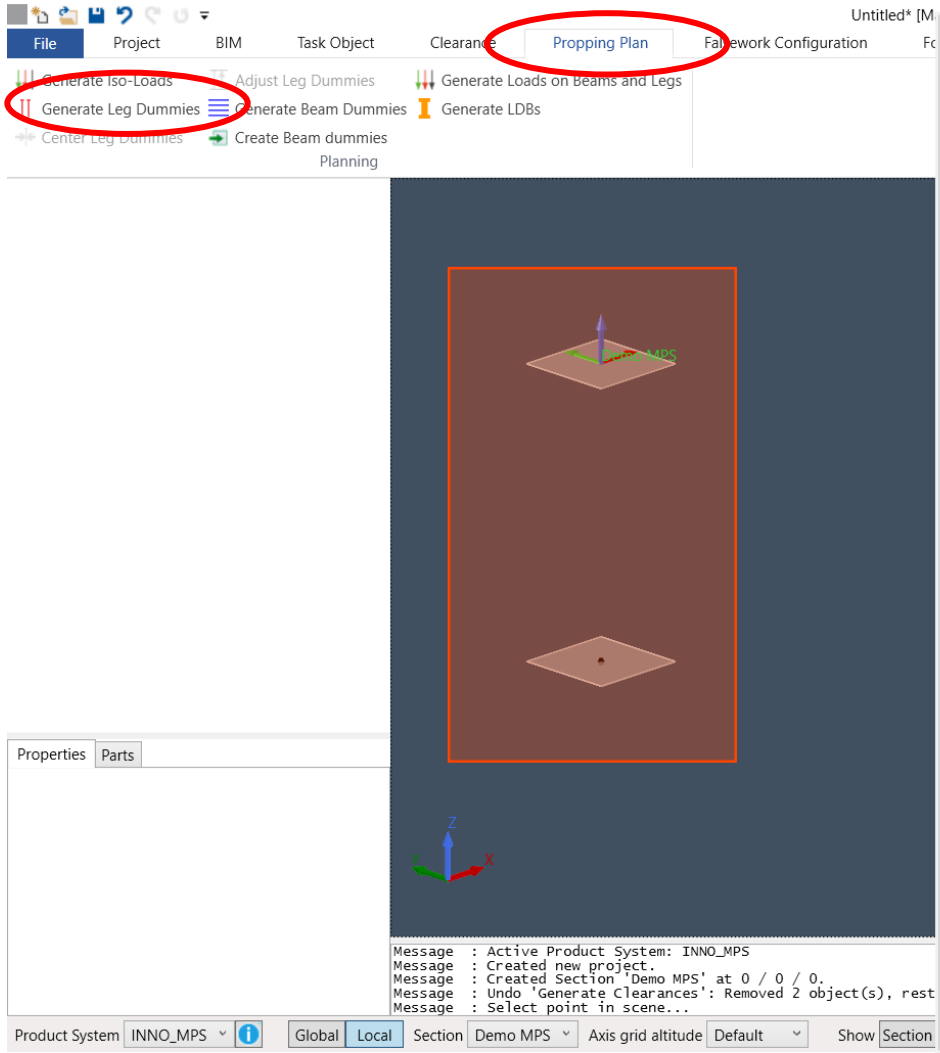
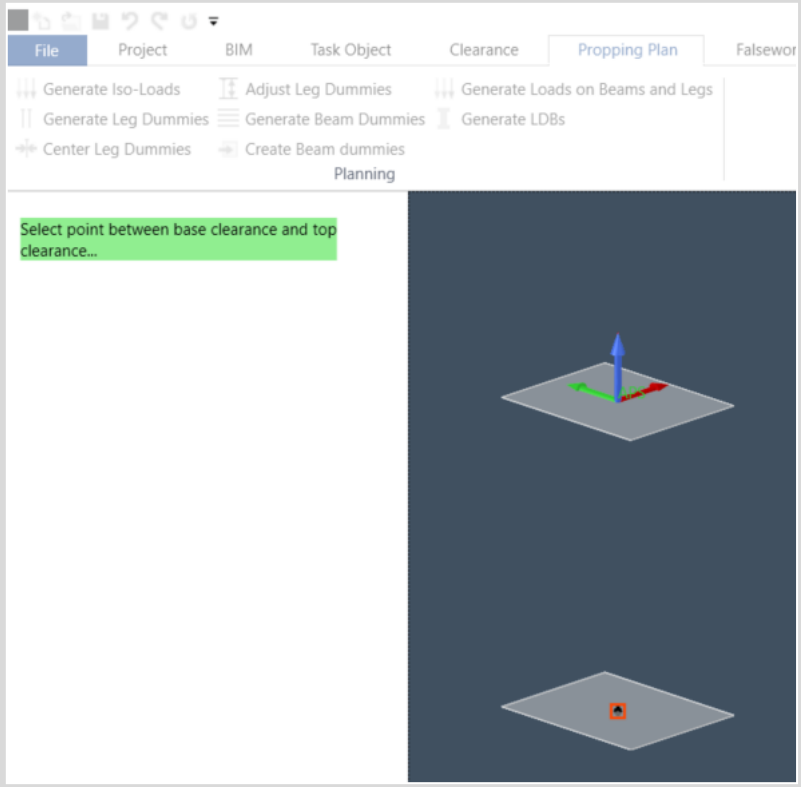
Propping Plan: „Generate Leg Dummies“



Proposal: open a window which includes top and base clearance. Propping will automatically centered in origin of local coordinates

Alternatively: Select breakthrough of coordinates at the foundation



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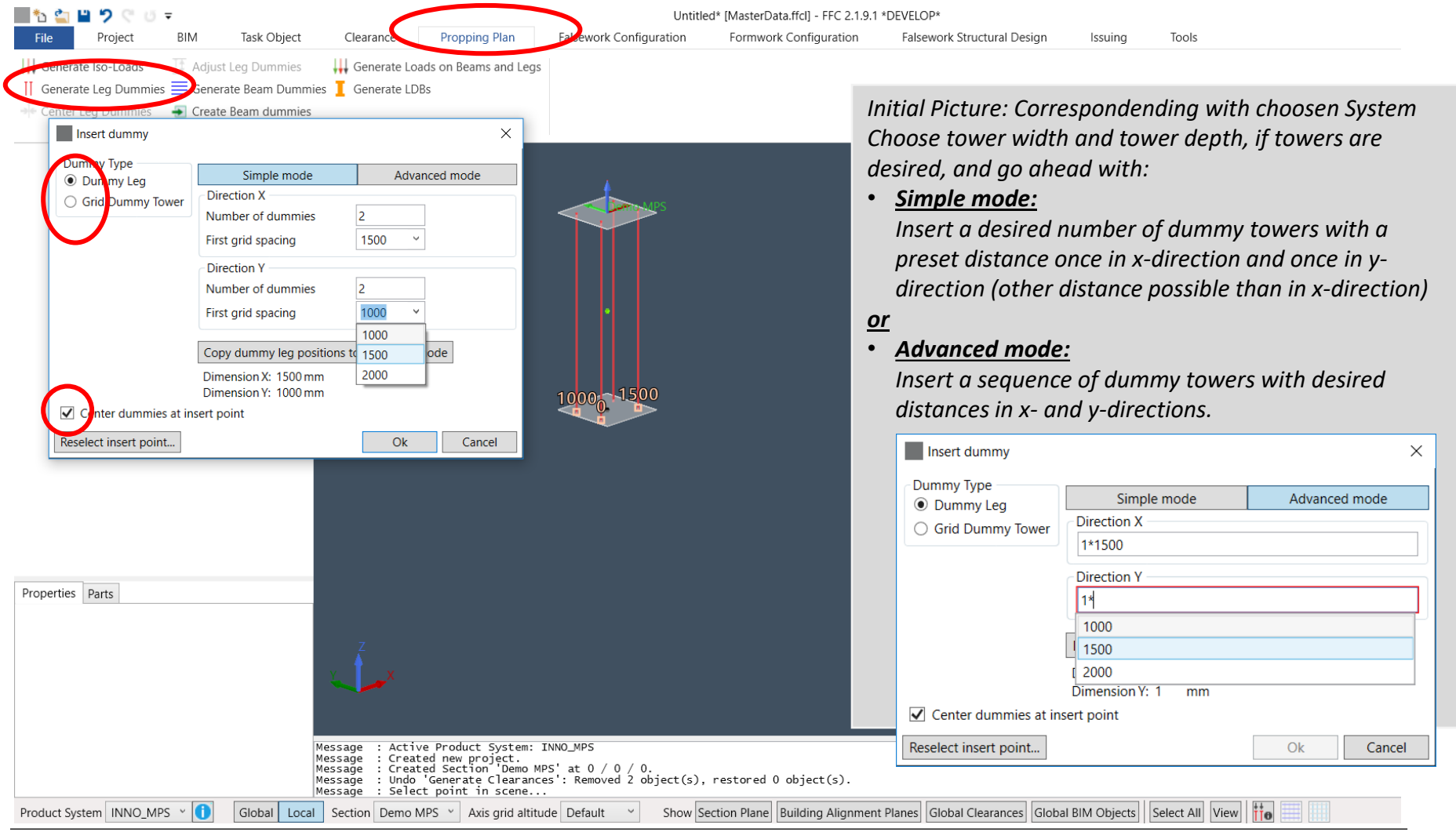
Propping Plan: **„Generate Leg Dummies“** (Dummy Towers)



Initial Picture: Correspondending with choosen System Choose tower width and tower depth, if towers are desired, and go ahead with:

- ***Simple mode:***
  Insert a desired number of dummy towers with a preset distance once in x-direction and once in y-direction (other distance possible than in x-direction)

or

- ***Advanced mode:***
  Insert a sequence of dummy towers with desired distances in x- and y-directions.

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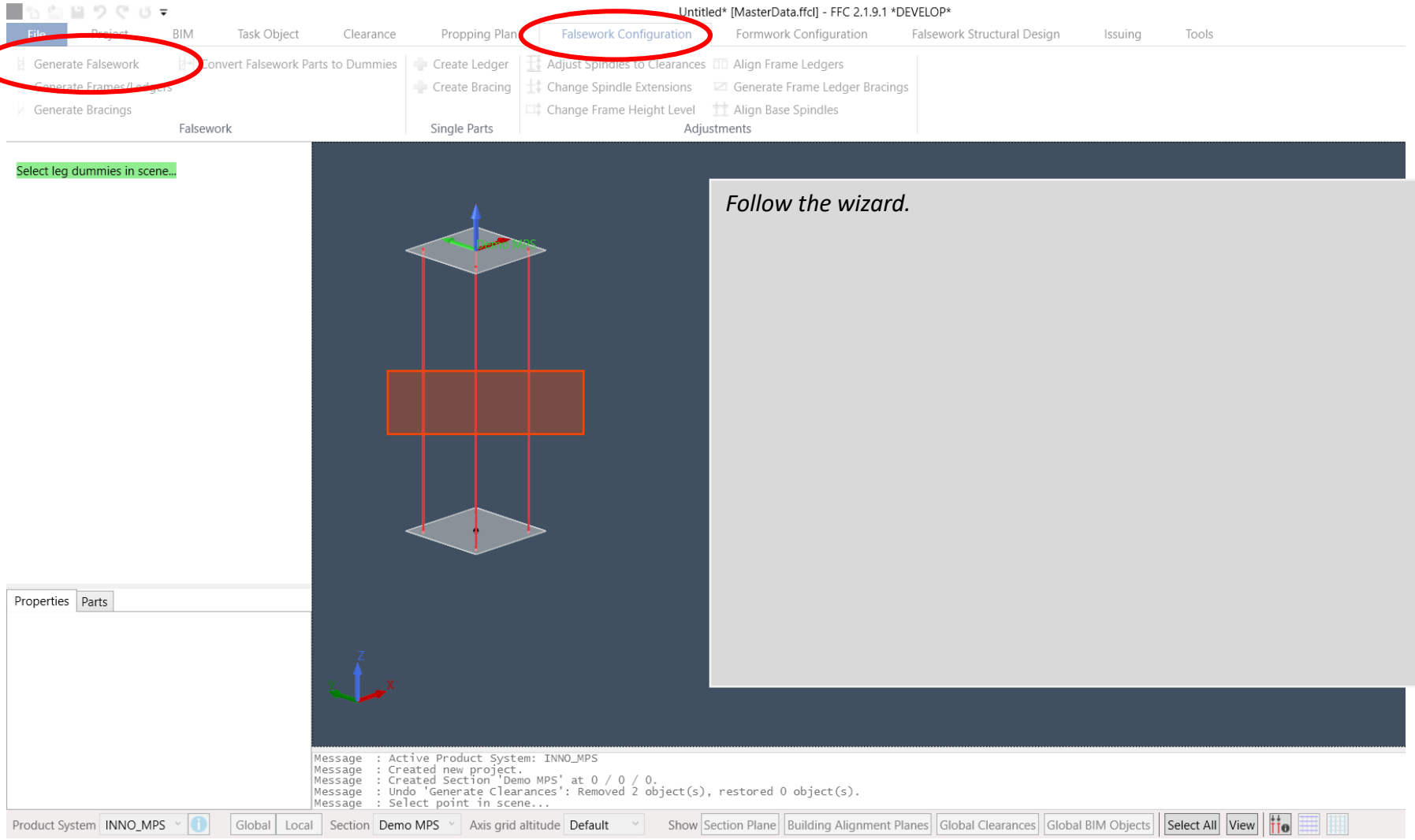
Falsework Configuration: „Generate Falsework“



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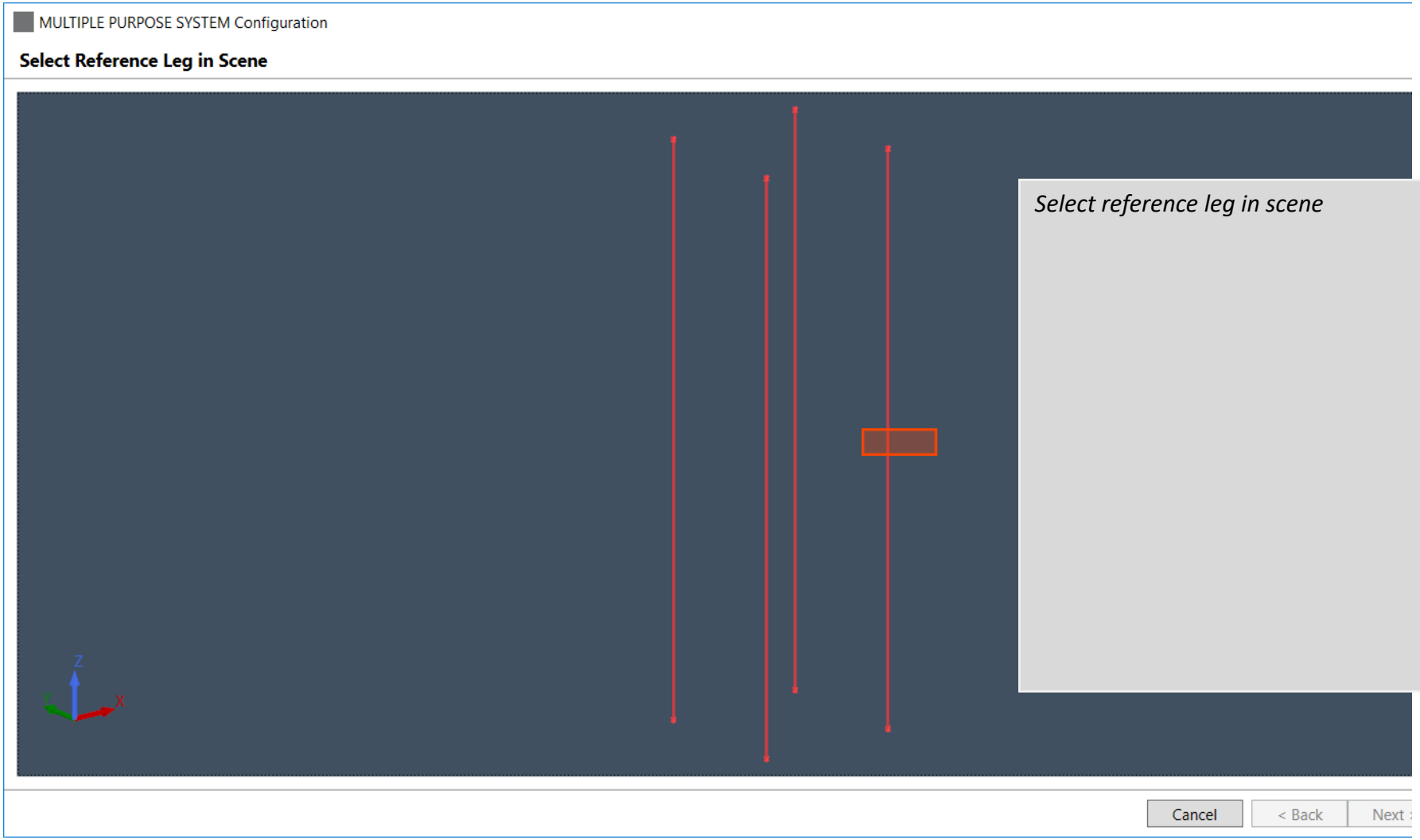

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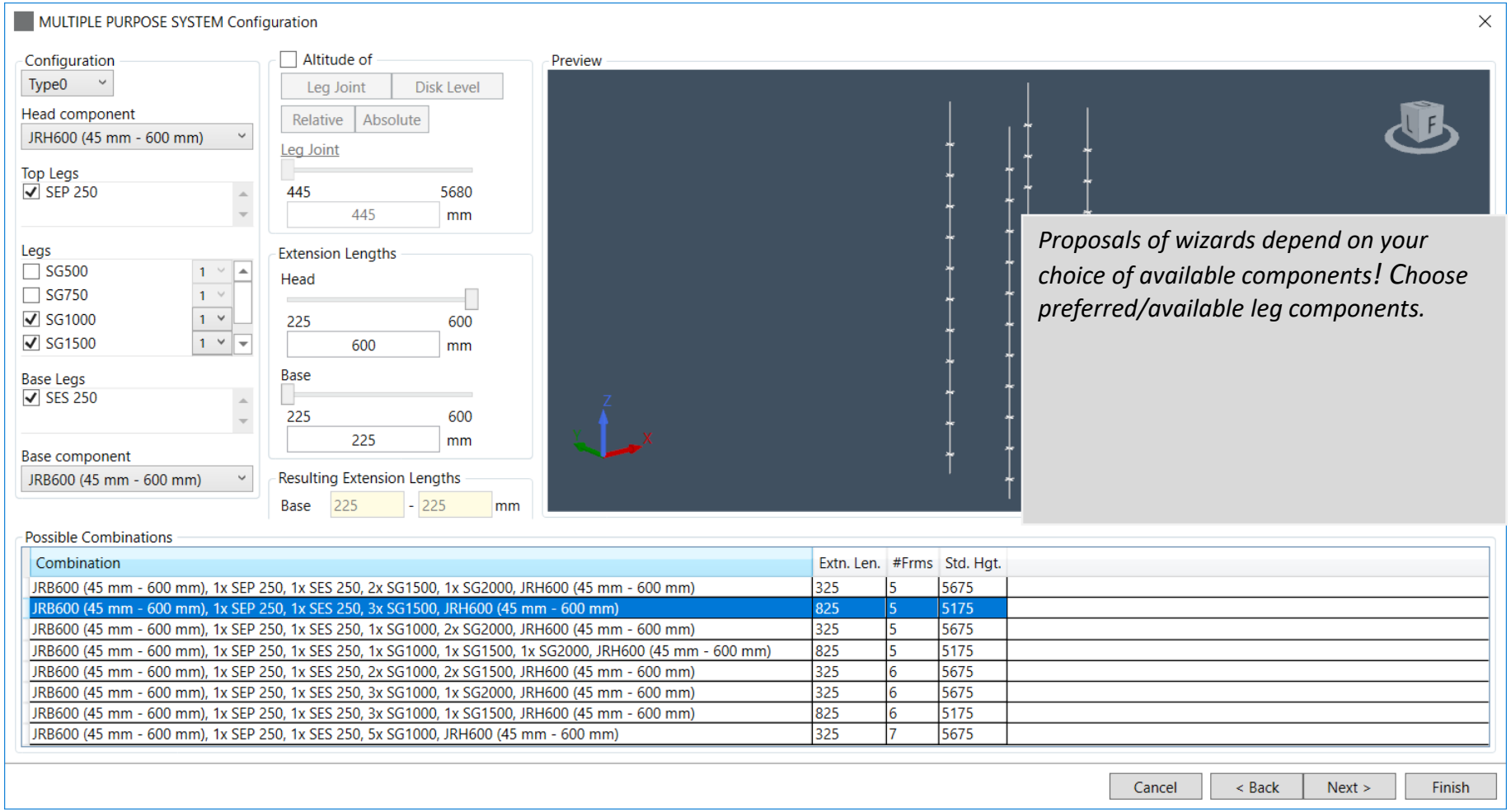
Falsework Configuration via wizard: „Generate Falsework“



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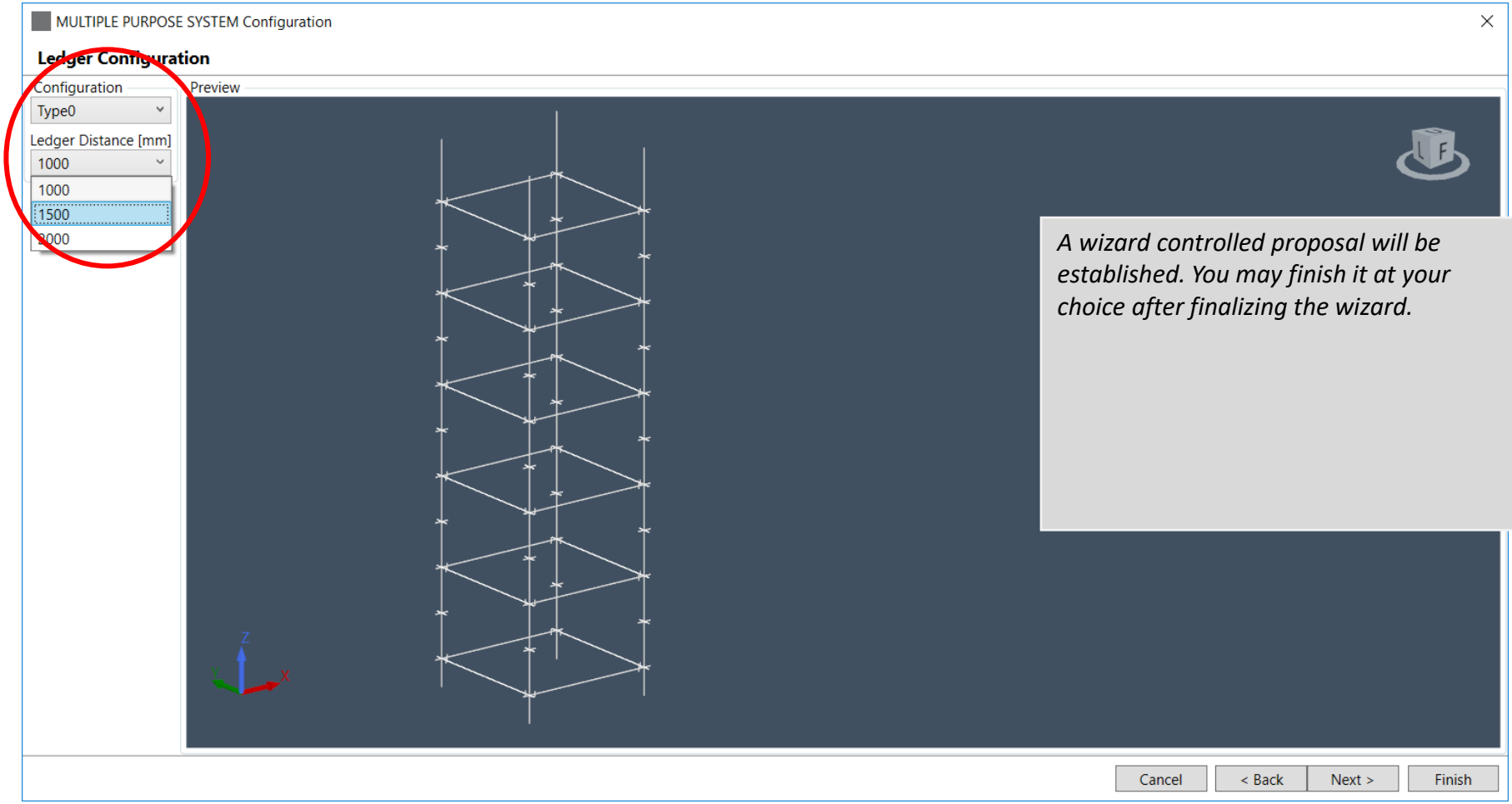
Falsework Configuration: Ledger Configuration



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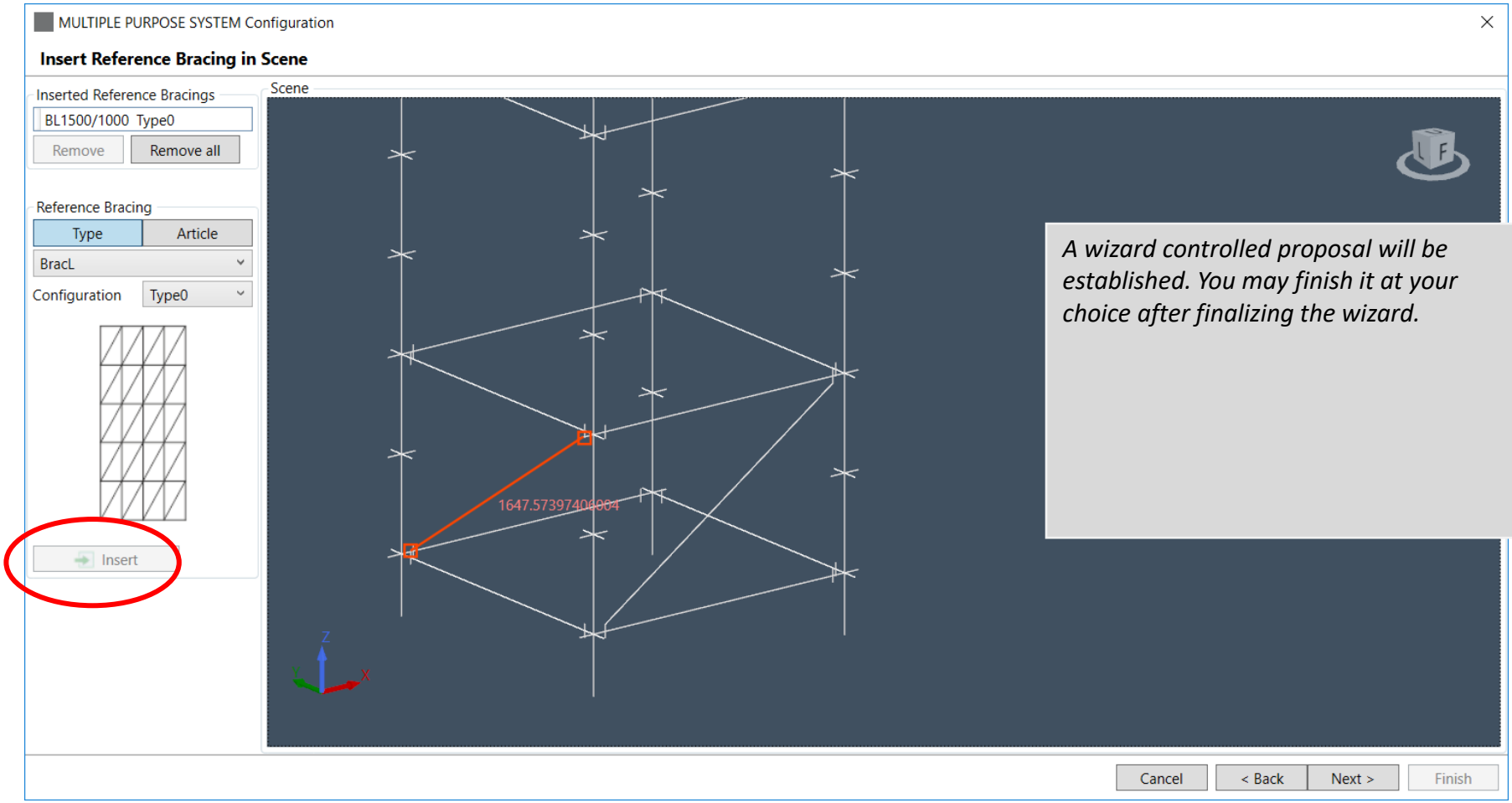
Falsework Configuration: Bracings



A wizard controlled proposal will be established. You may finish it at your choice after finalizing the wizard.

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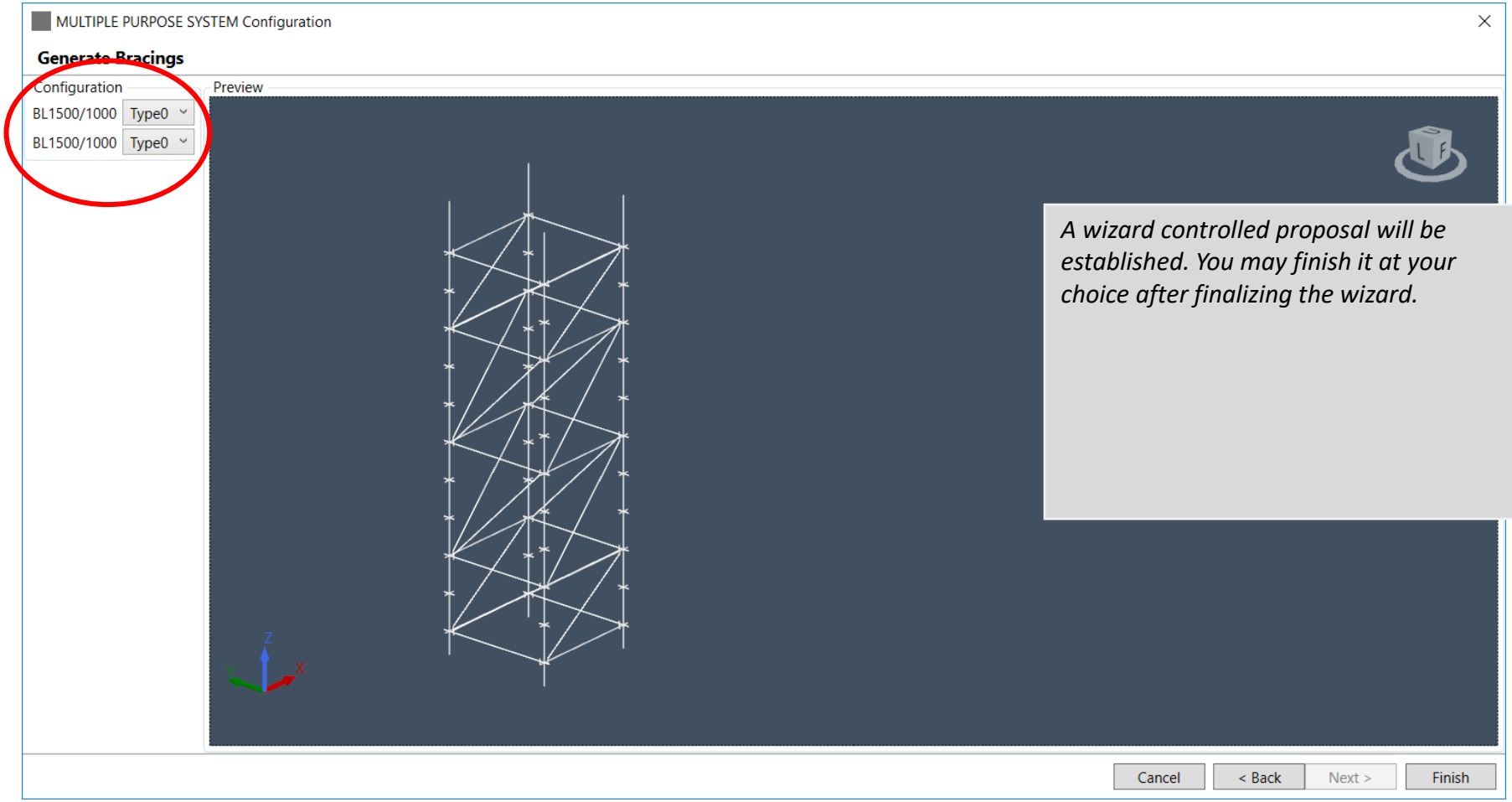

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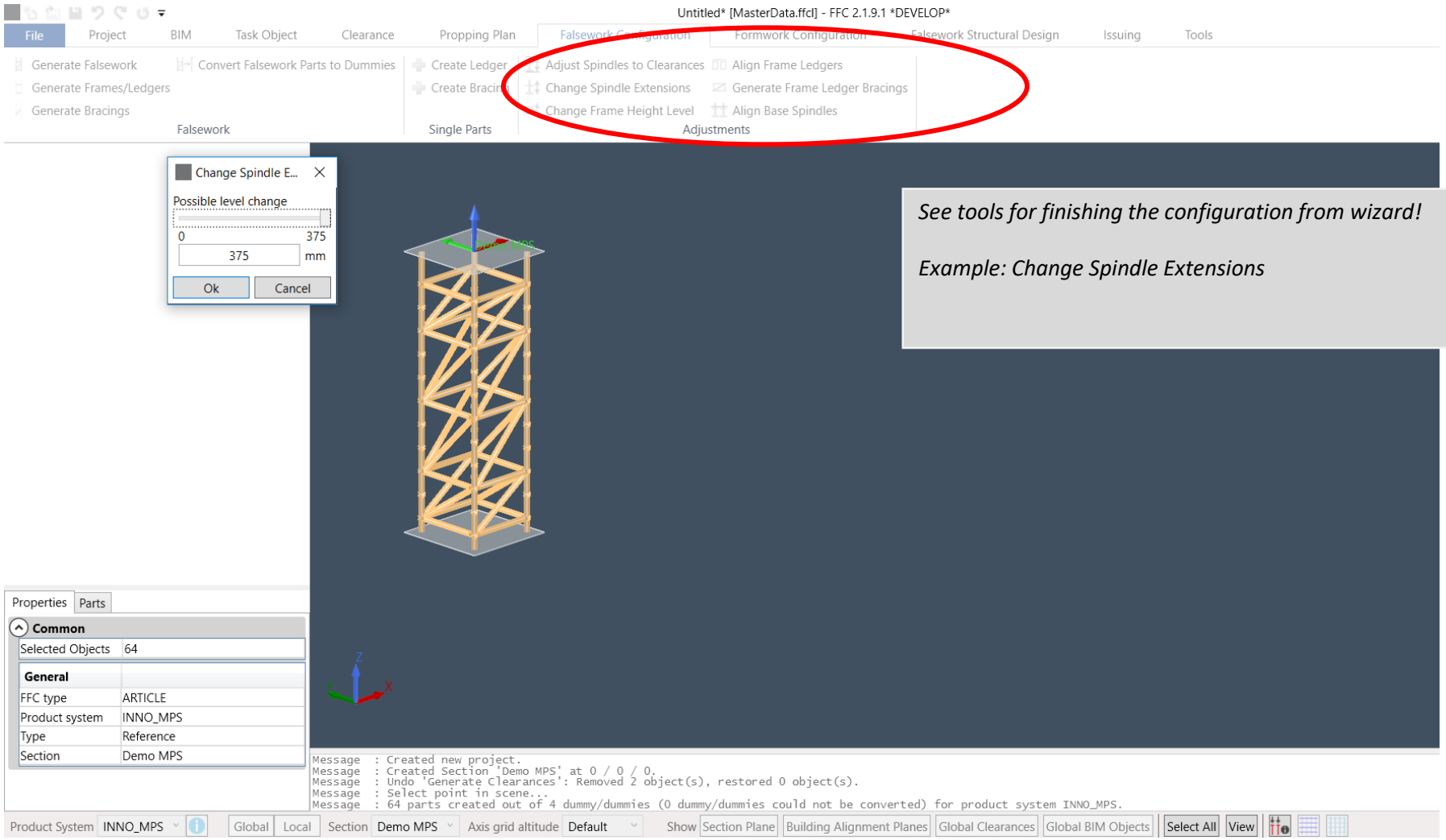
Option: Adjustments



See tools for finishing the configuration from wizard!

Example: Change Spindle Extensions

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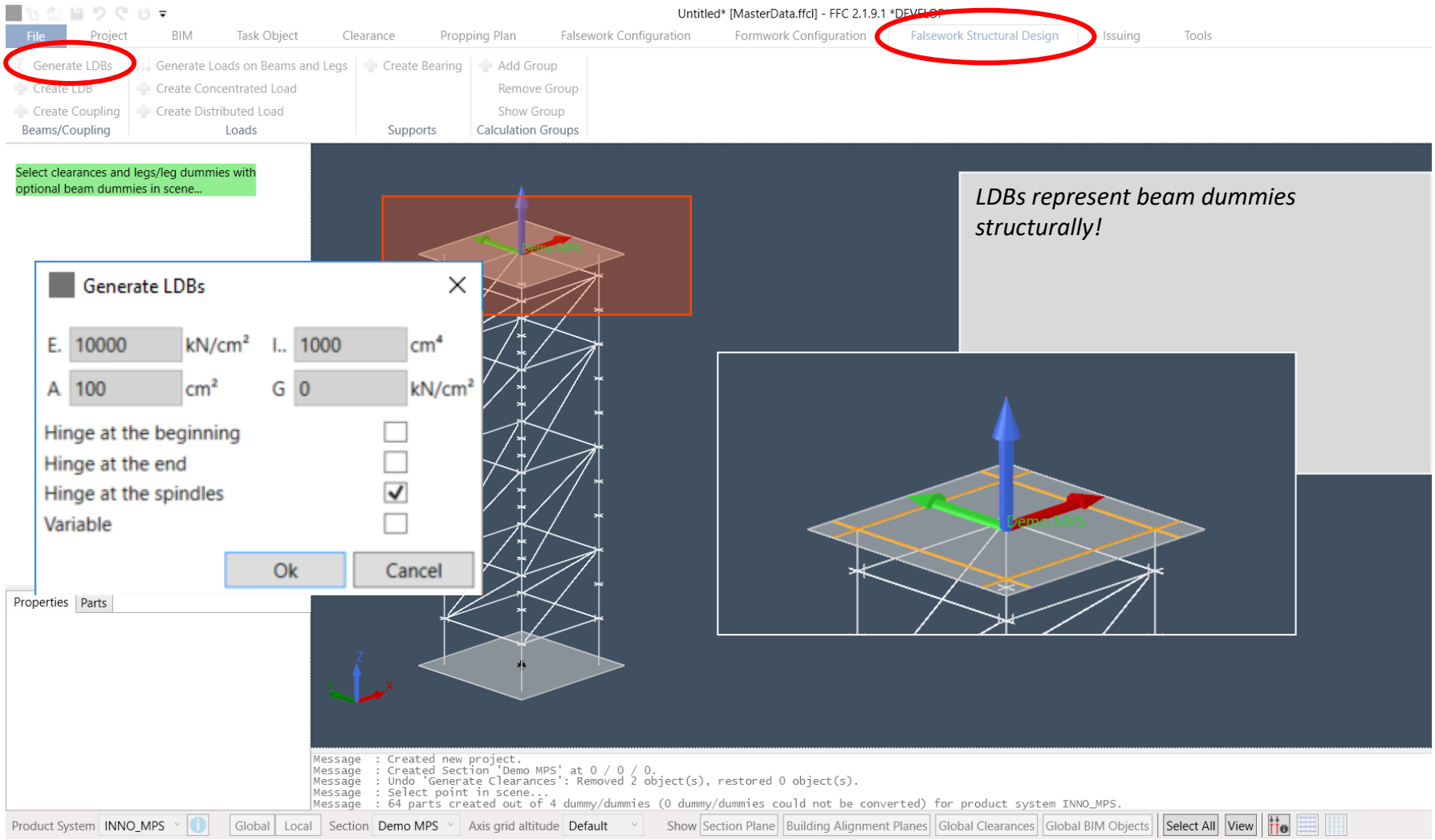
Falsework Structural Design: „Generate LDBs“



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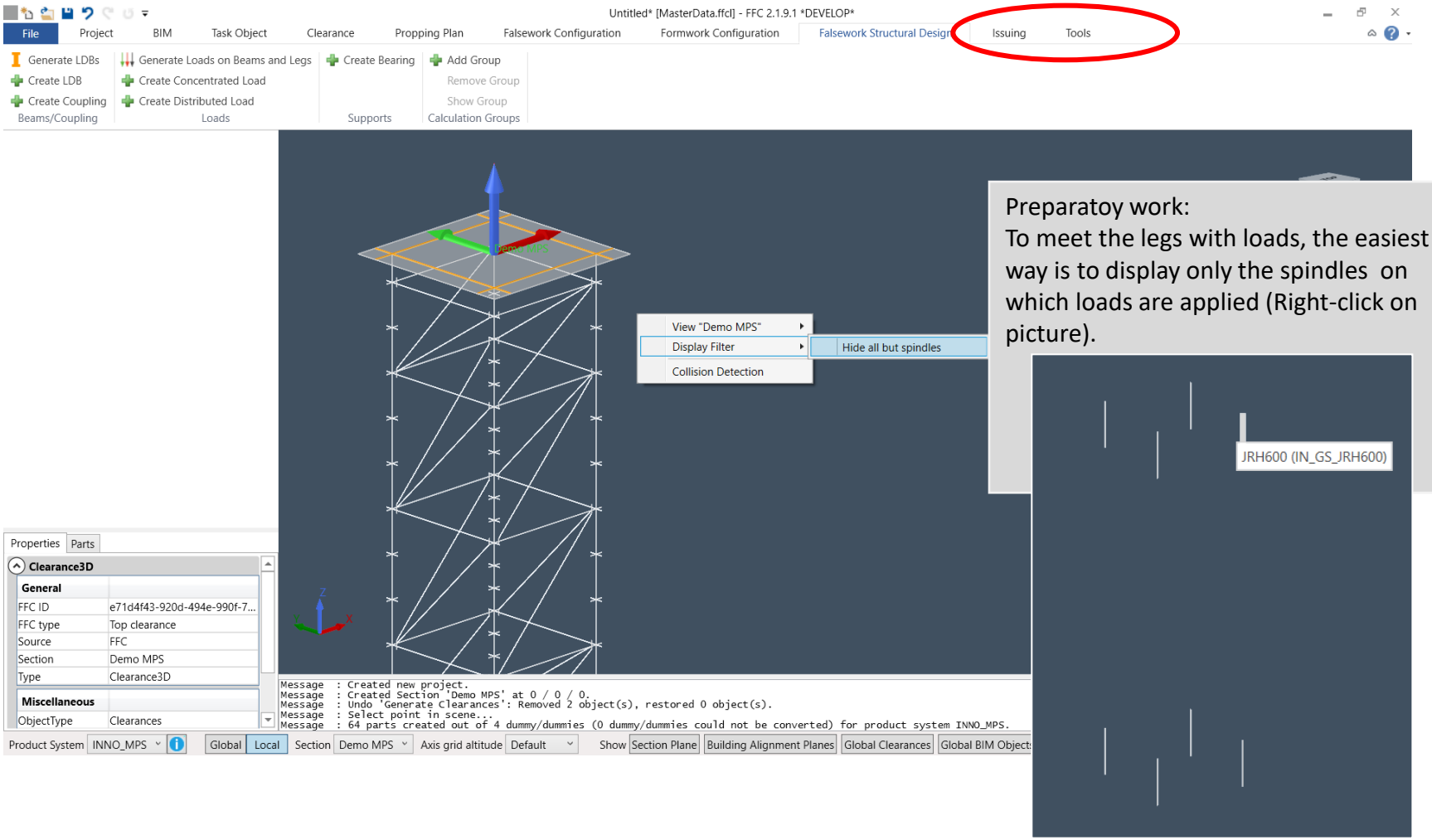
Falsework Structural Design: **„Create Concentrated Loads“** - Preparatoy work



Preparatoy work:
To meet the legs with loads, the easiest way is to display only the spindles on which loads are applied (Right-click on picture).

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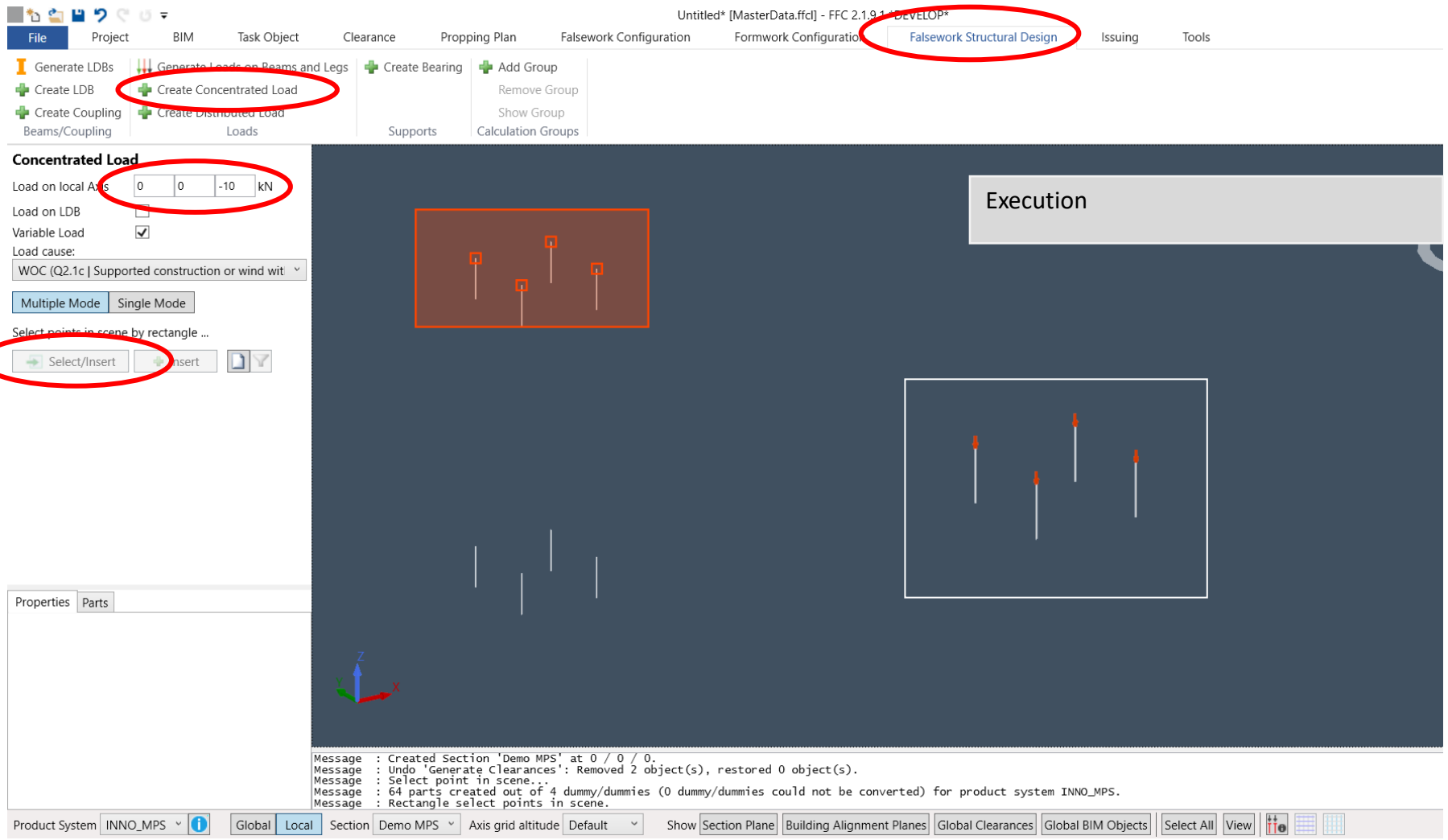
Falsework Structural Design: „Create Concentrated Loads“



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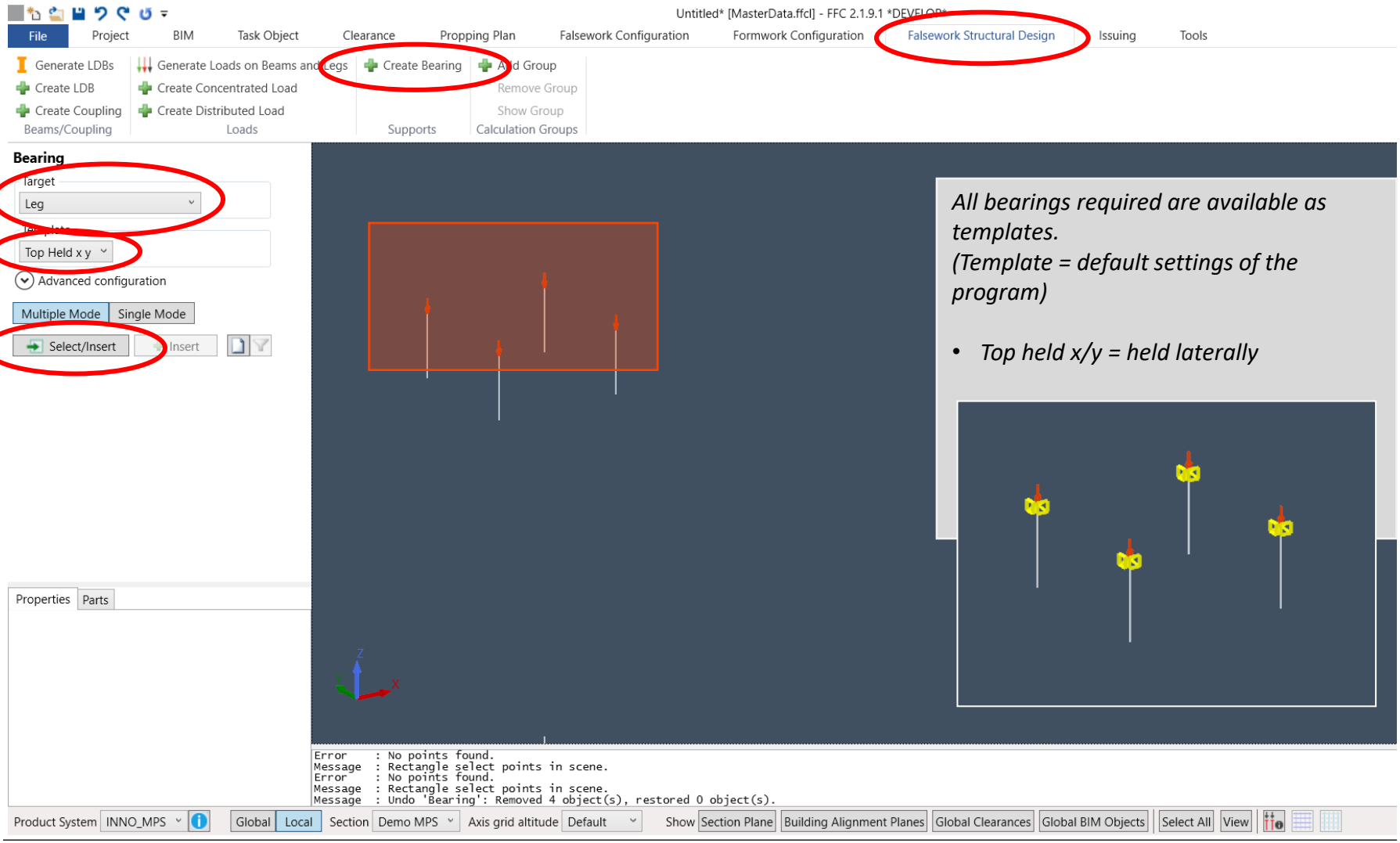
Falsework Structural Design: „Create Bearing“ - Top



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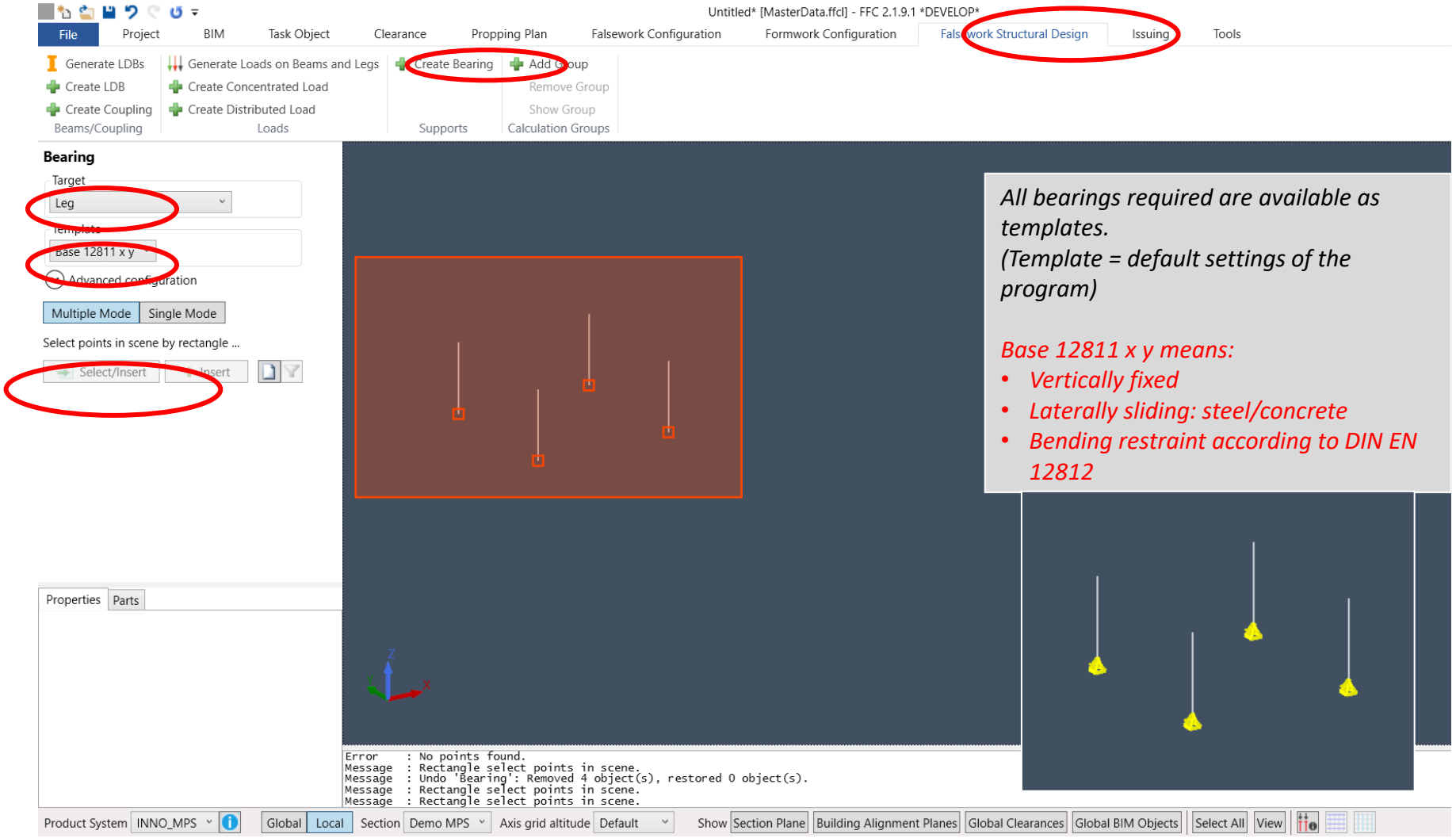
Falsework Structural Design: „Create Bearing“ - Base



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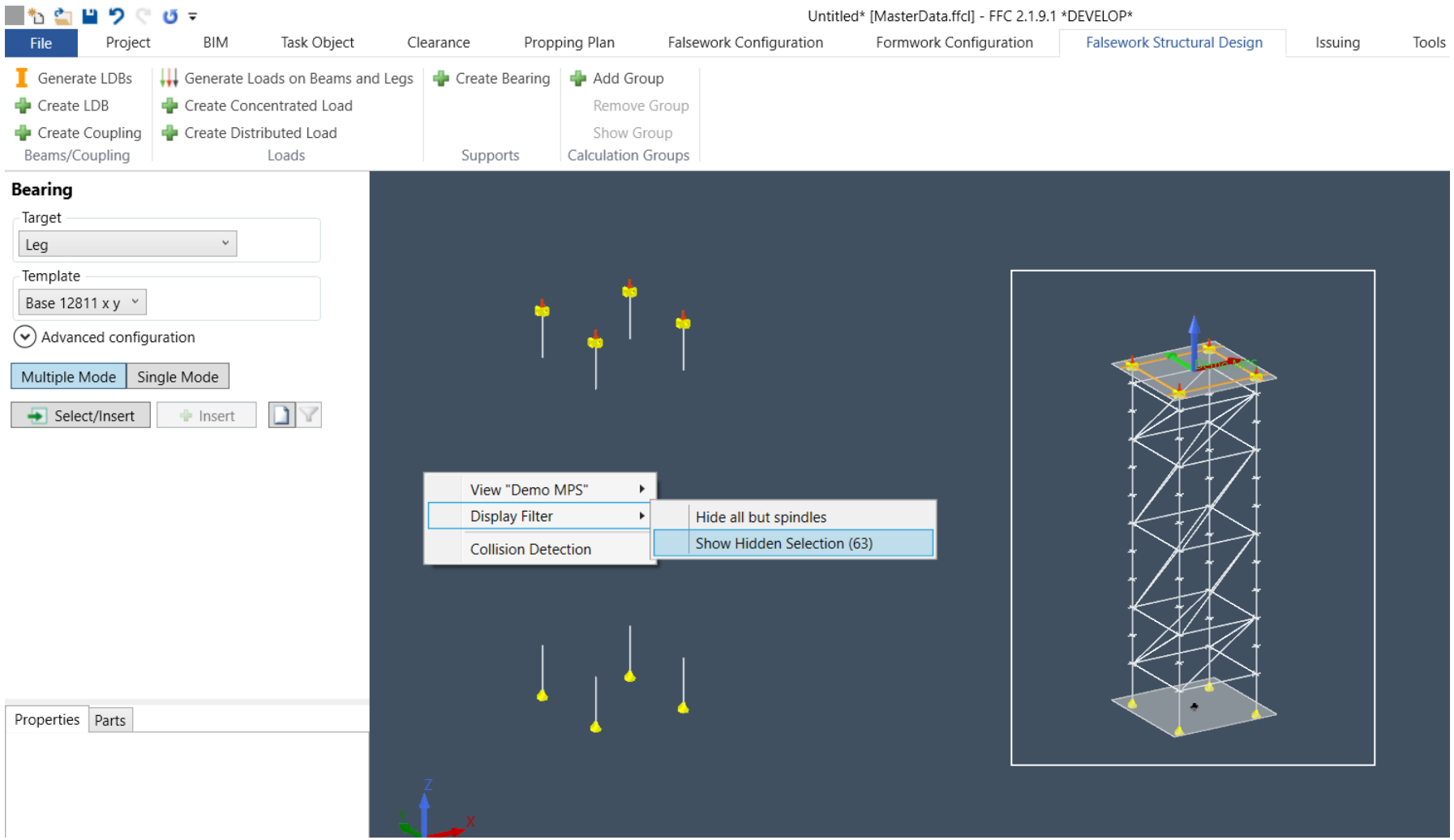
Falsework Structural Design: **Show Hidden Selection**



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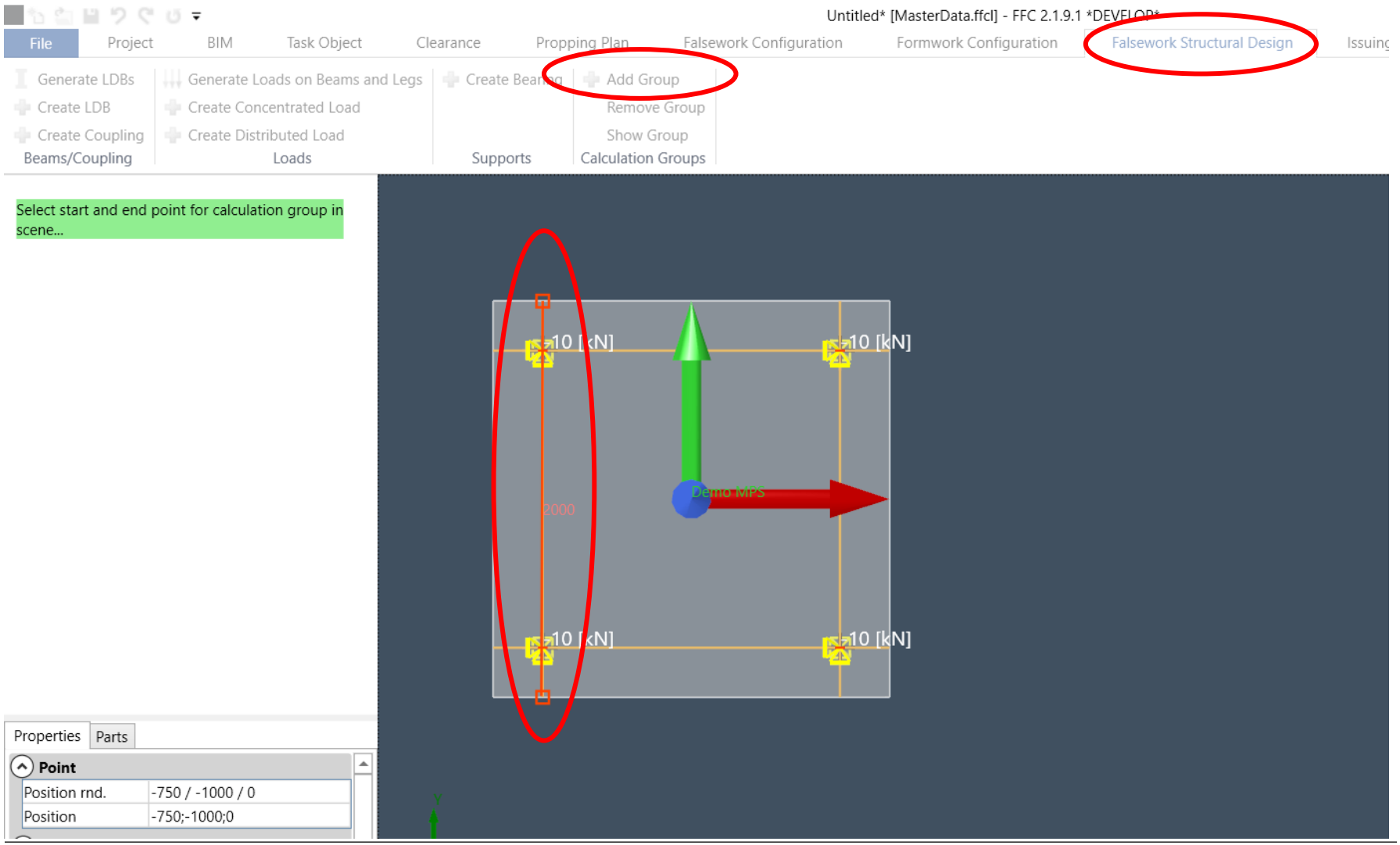
Falsework Structural Design: „ Add Calculation Group“



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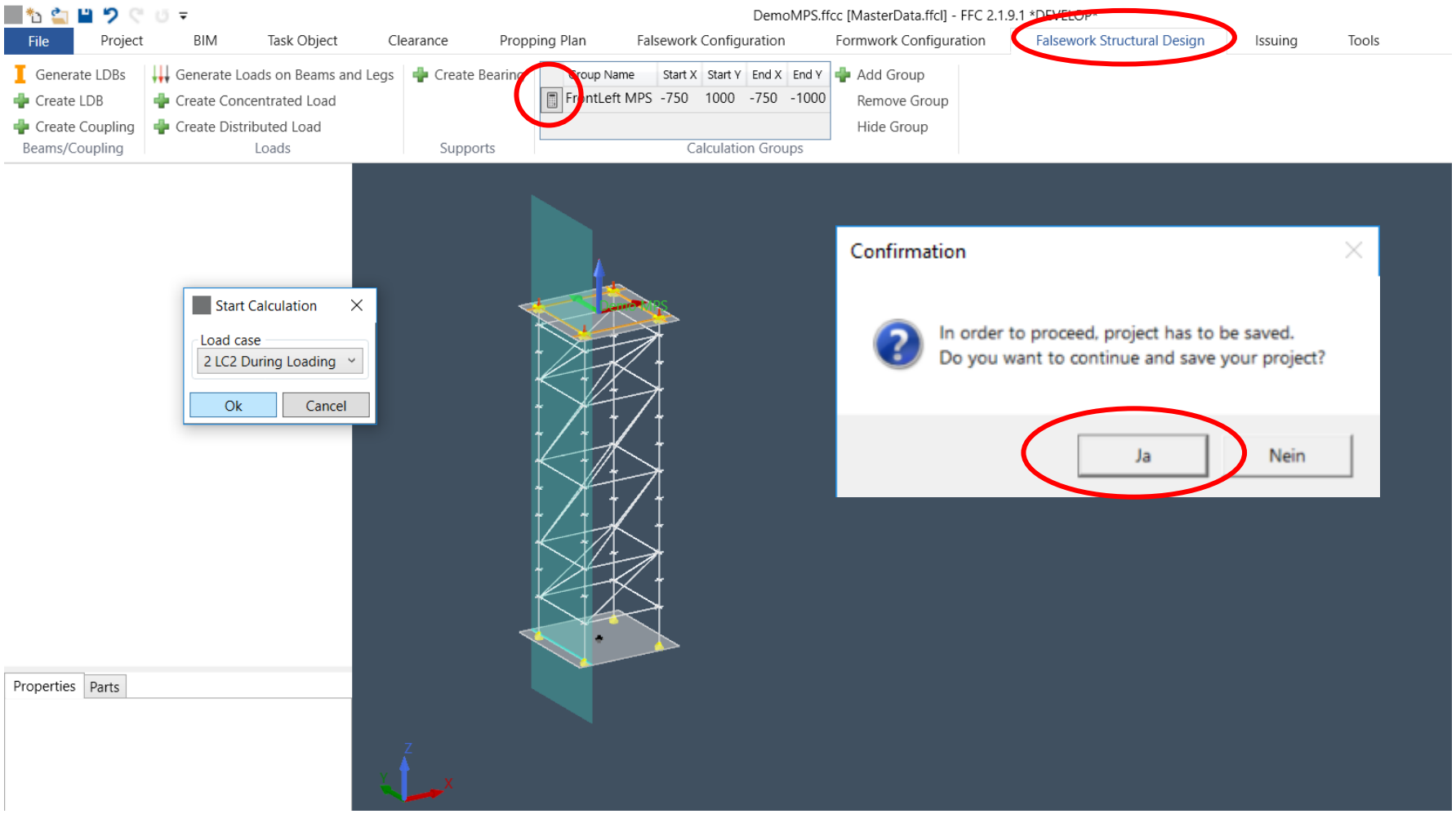
Falsework Structural Design: **„Start Calculation“** and save Project



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