# Product System: INNO_APS

covers aluminium prop systems (APS)

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 = 2500 mm

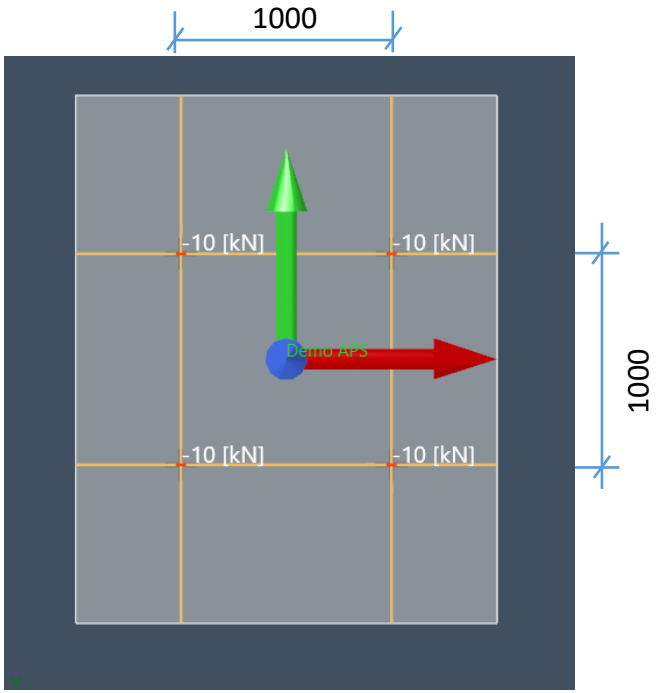
Baywidths: x = 1000 mm
y = 1000 mm

Height: 4500 mm

Legloads: -10kN

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

(LDB: hinged at spindles)





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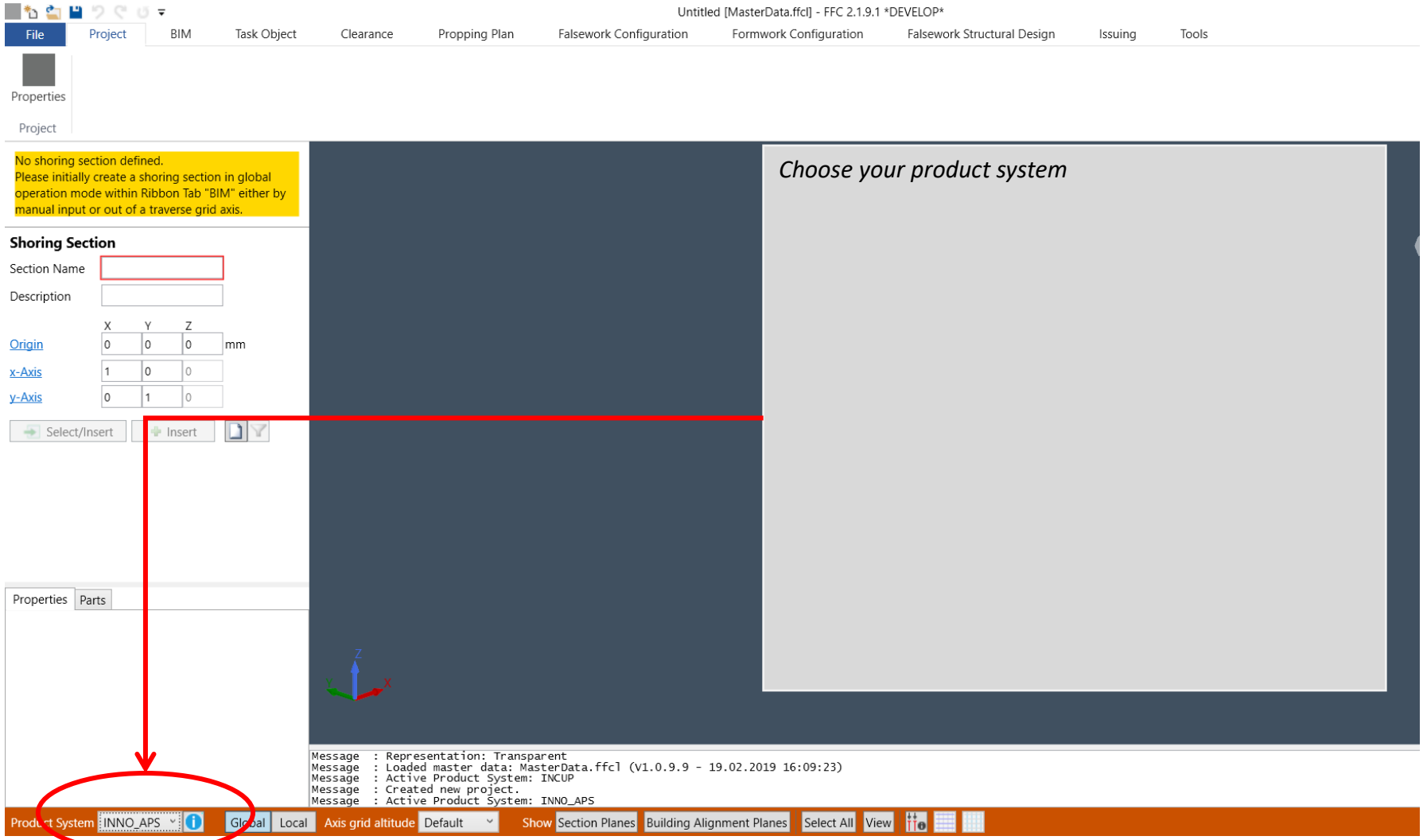
# First: Choose your Product System





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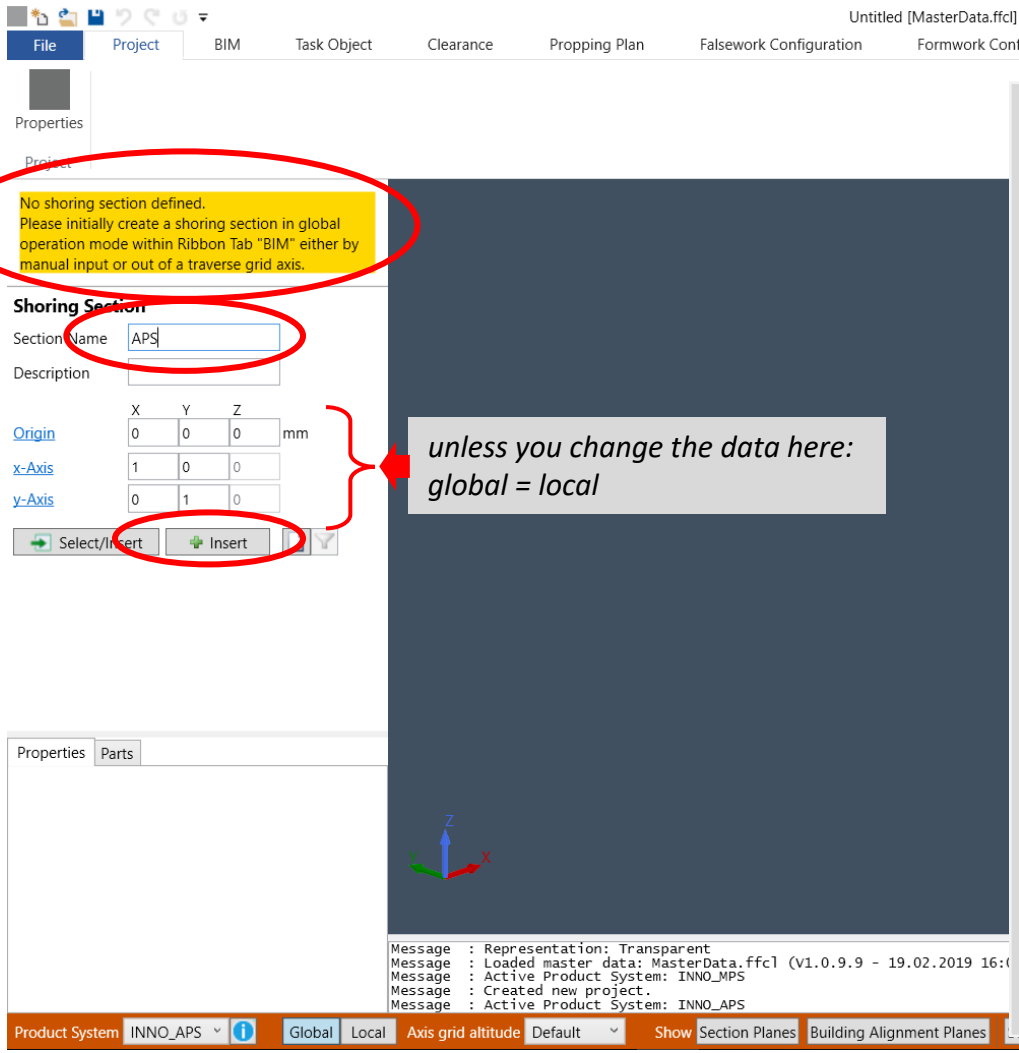
# Establish a Section

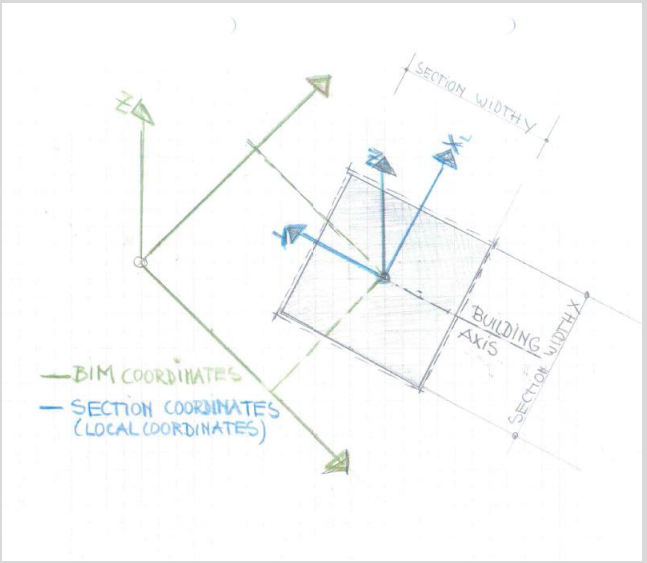





*unless you change the data here: global = local*

*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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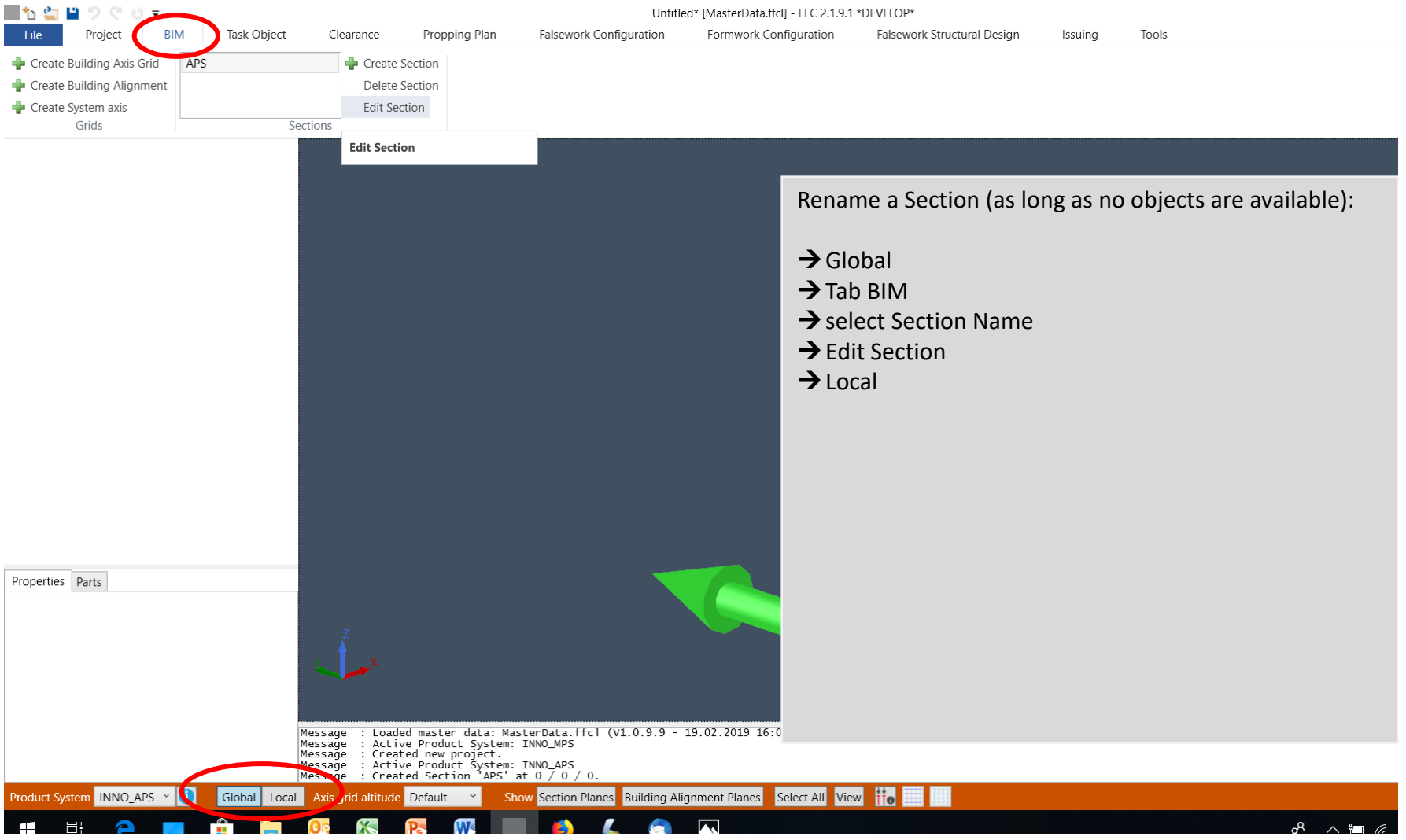
# BIM: Rename a Section






Rename a Section (as long as no objects are available):

→ Global
→ Tab BIM
→ select Section Name
→ Edit Section
→ Local



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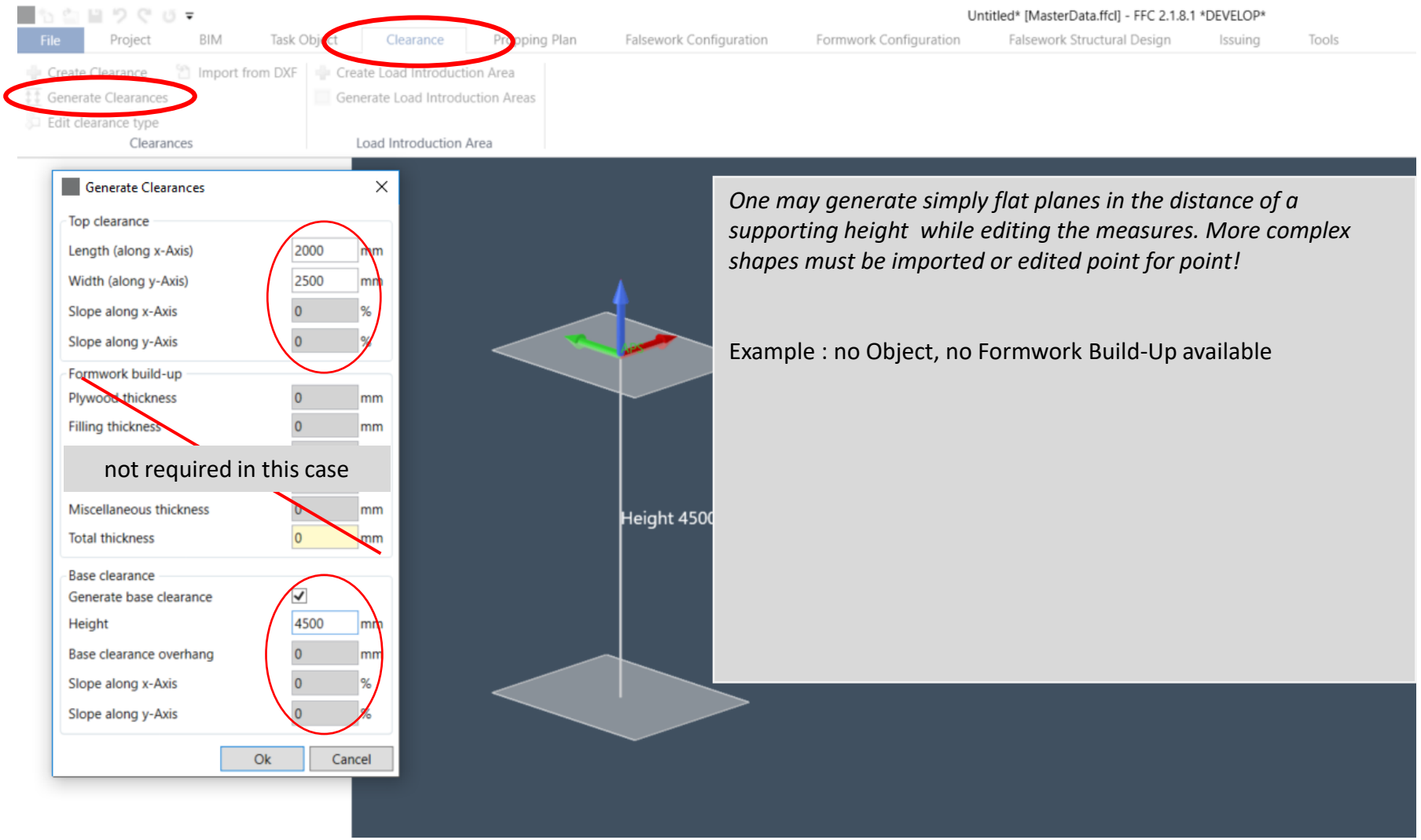
# Clearance: “Generate Clearance“





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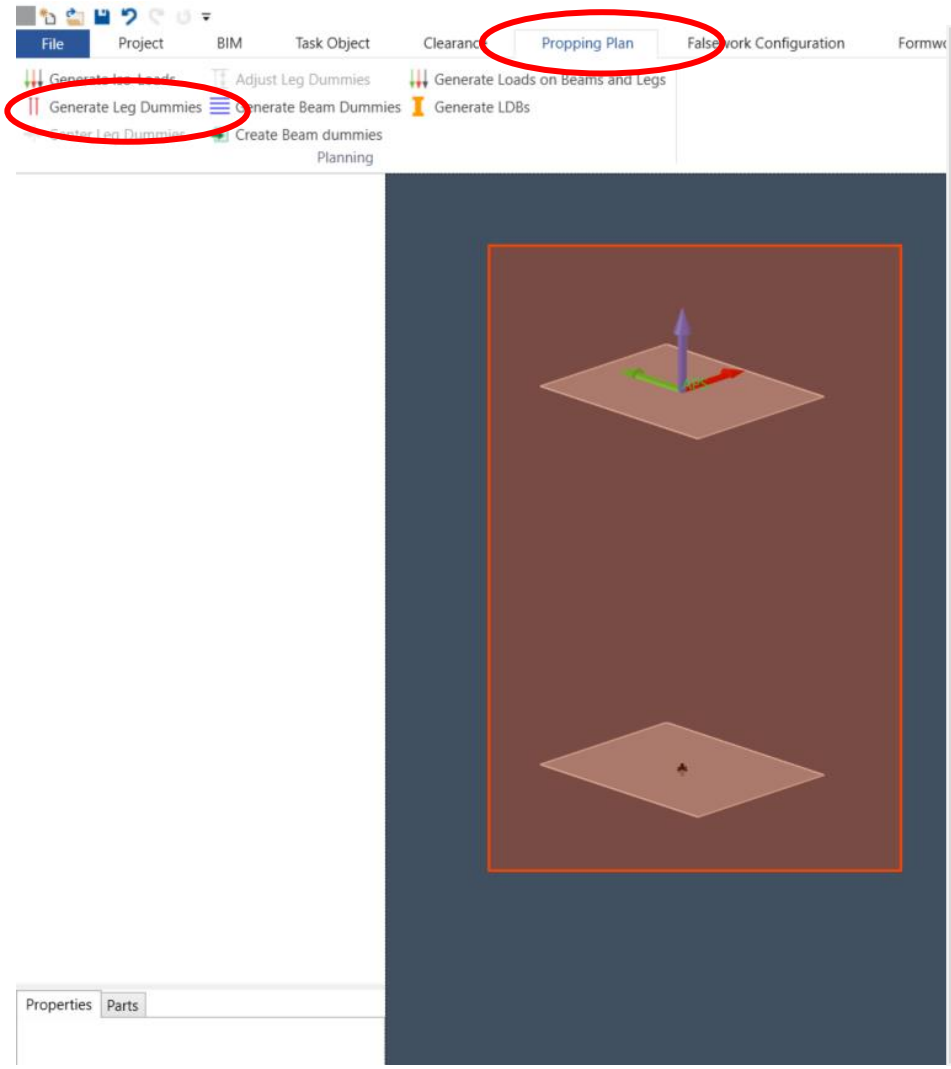
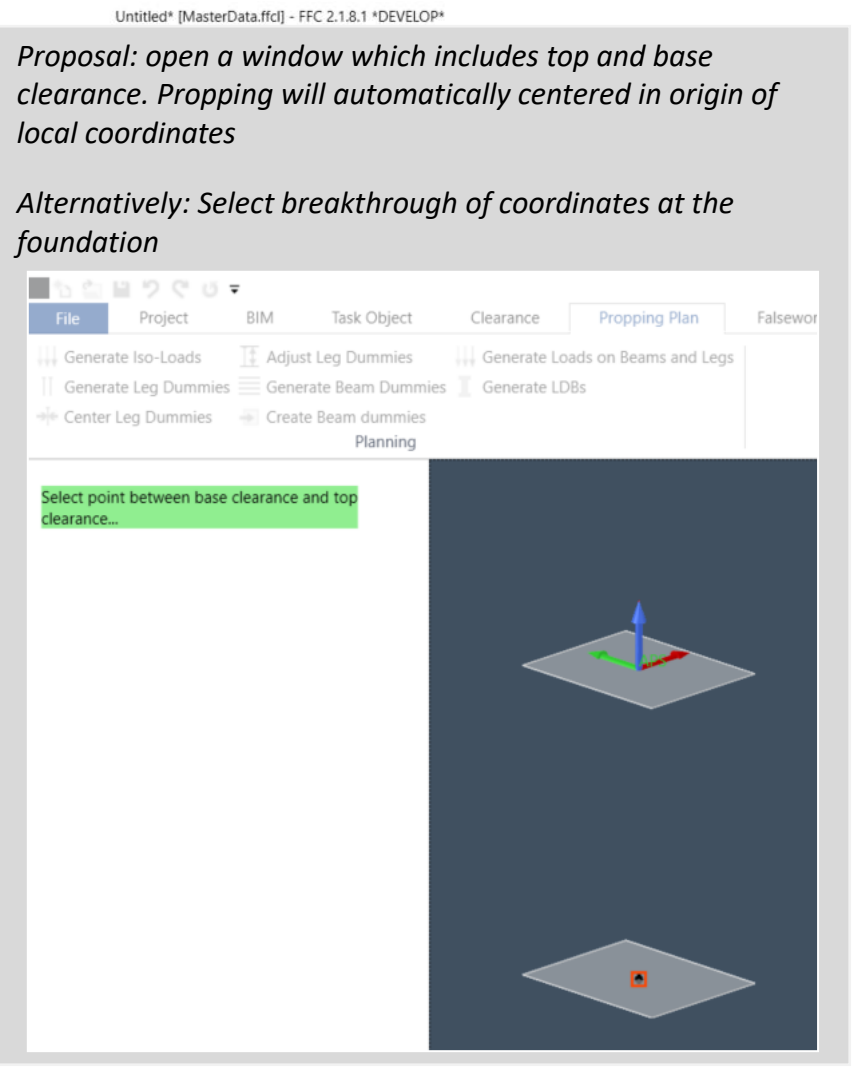
# Propping Plan: „Generate Leg Dummies“






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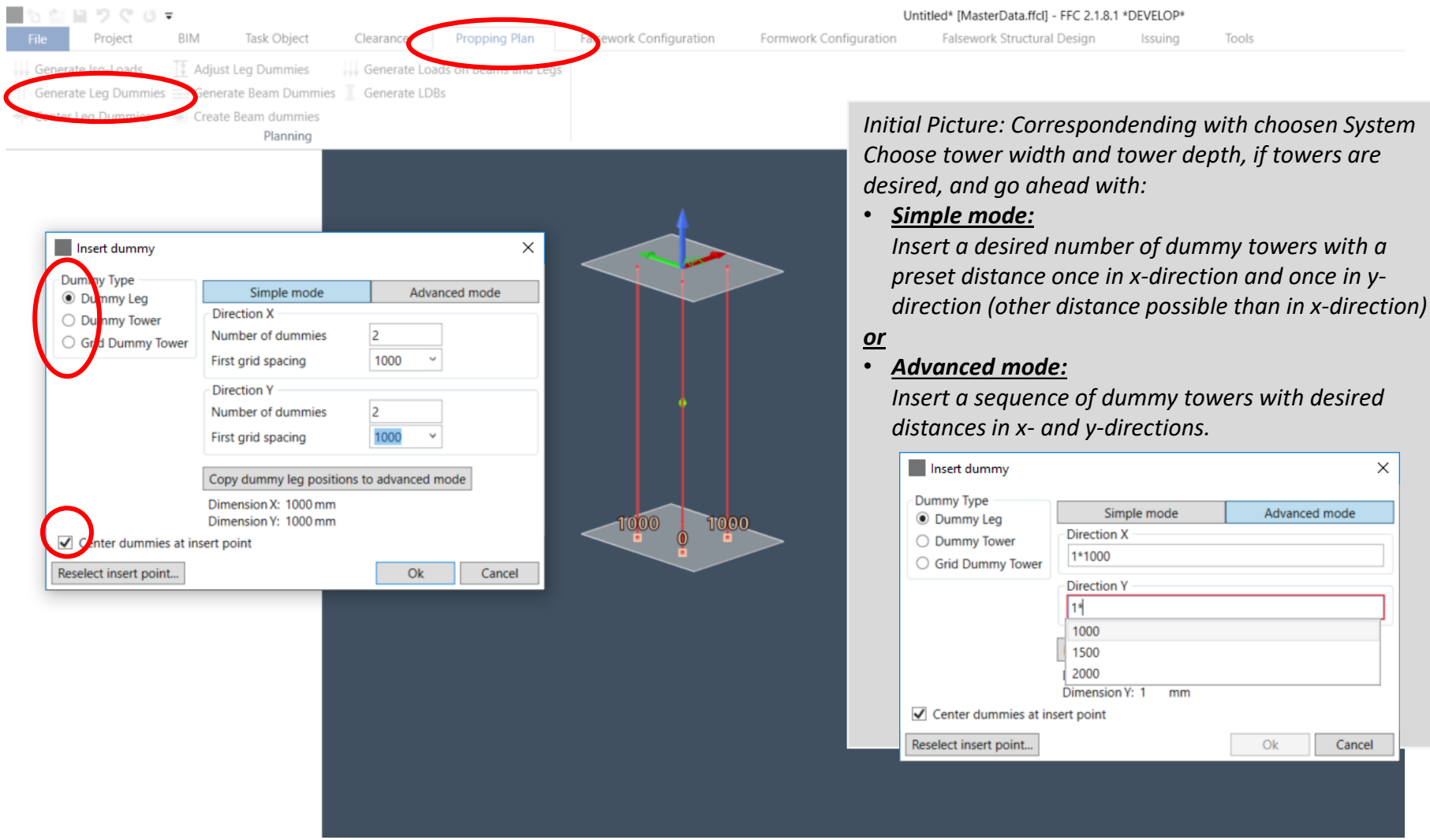
# Propping Plan: **„Generate Leg Dummies“** (Dummy Towers)






*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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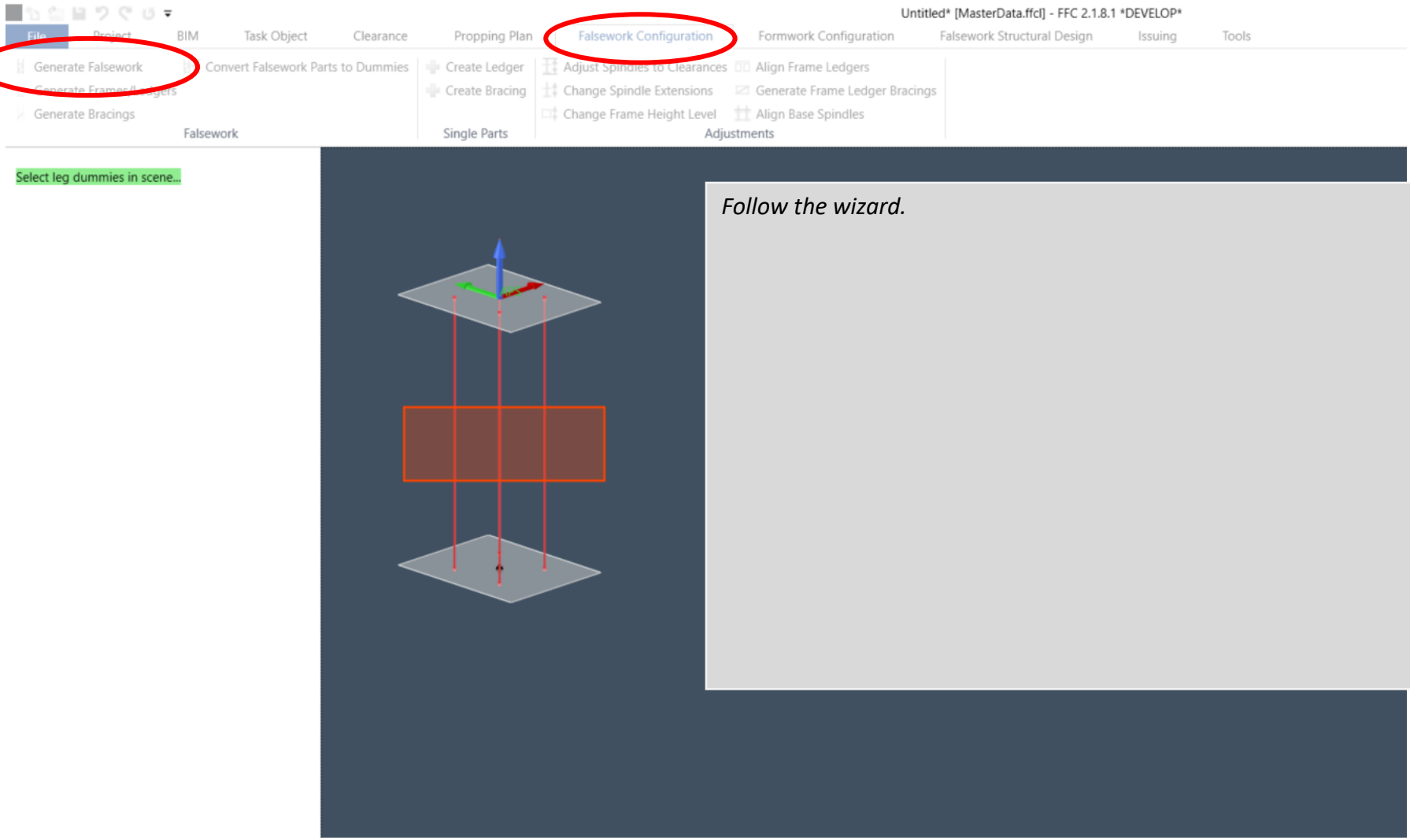
# Falsework Configuration: „Generate Falsework“






*Follow the wizard.*



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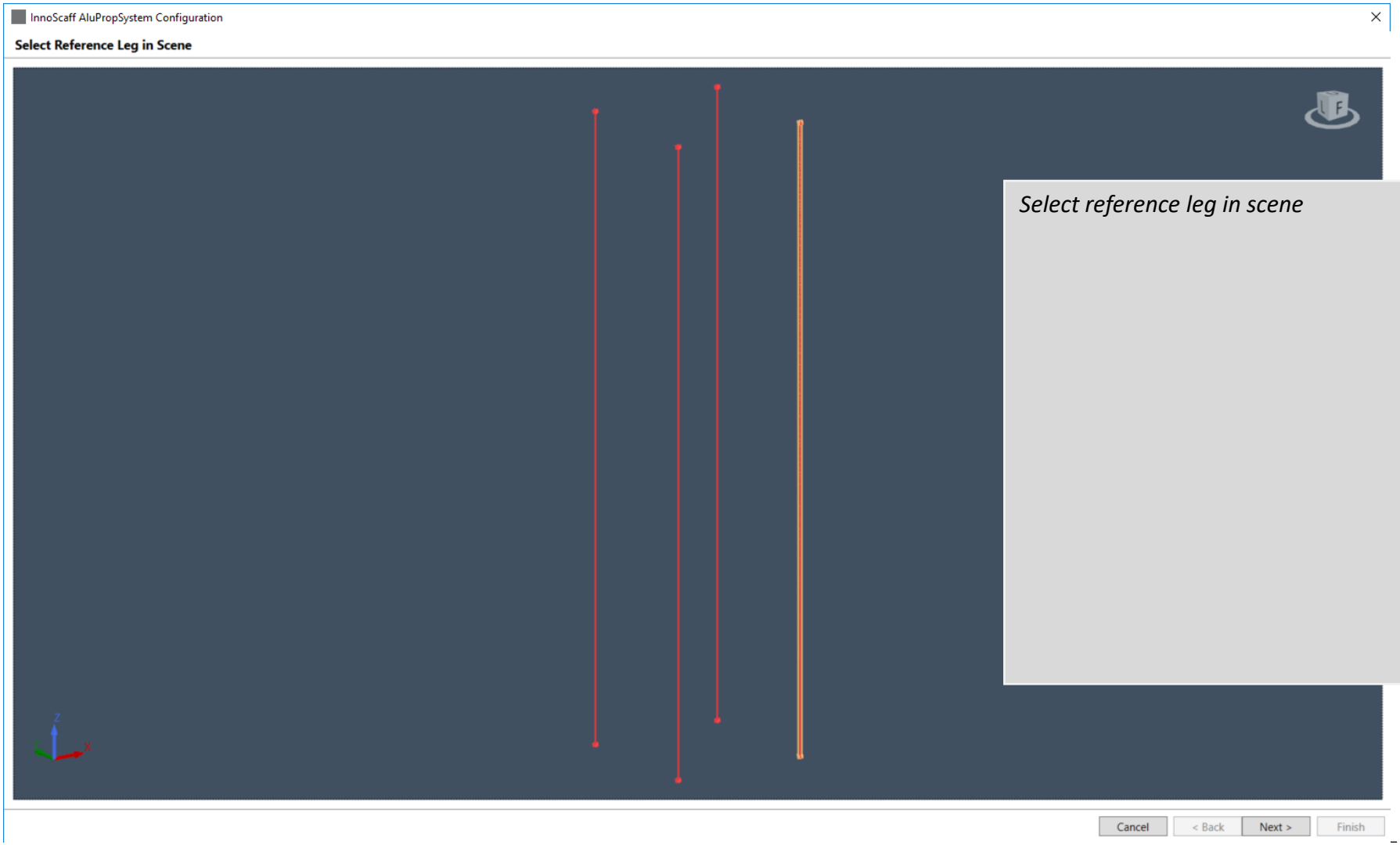
# Falsework Configuration: „Generate Falsework“





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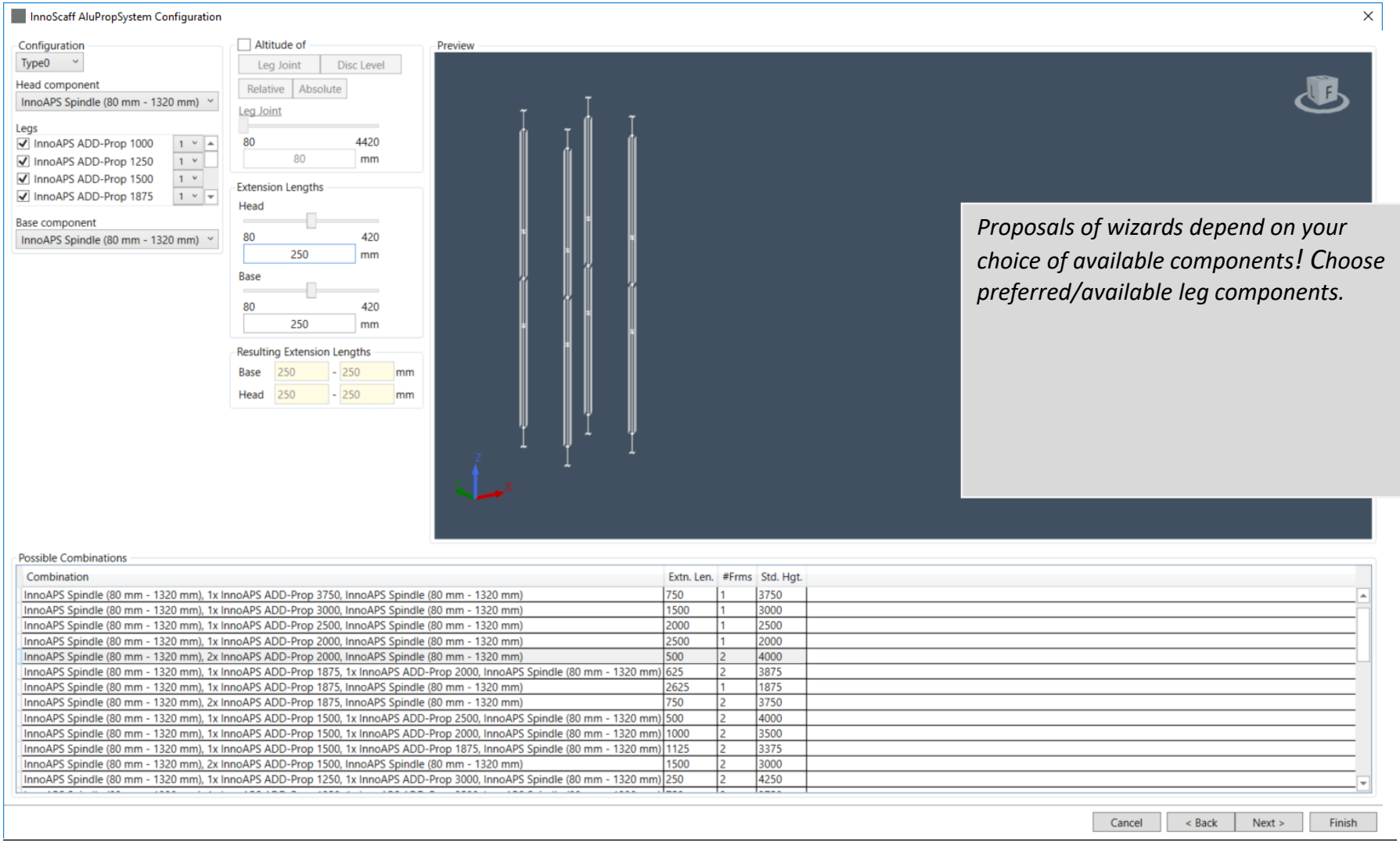
# Falsework Configuration via wizard: „Generate Falsework“



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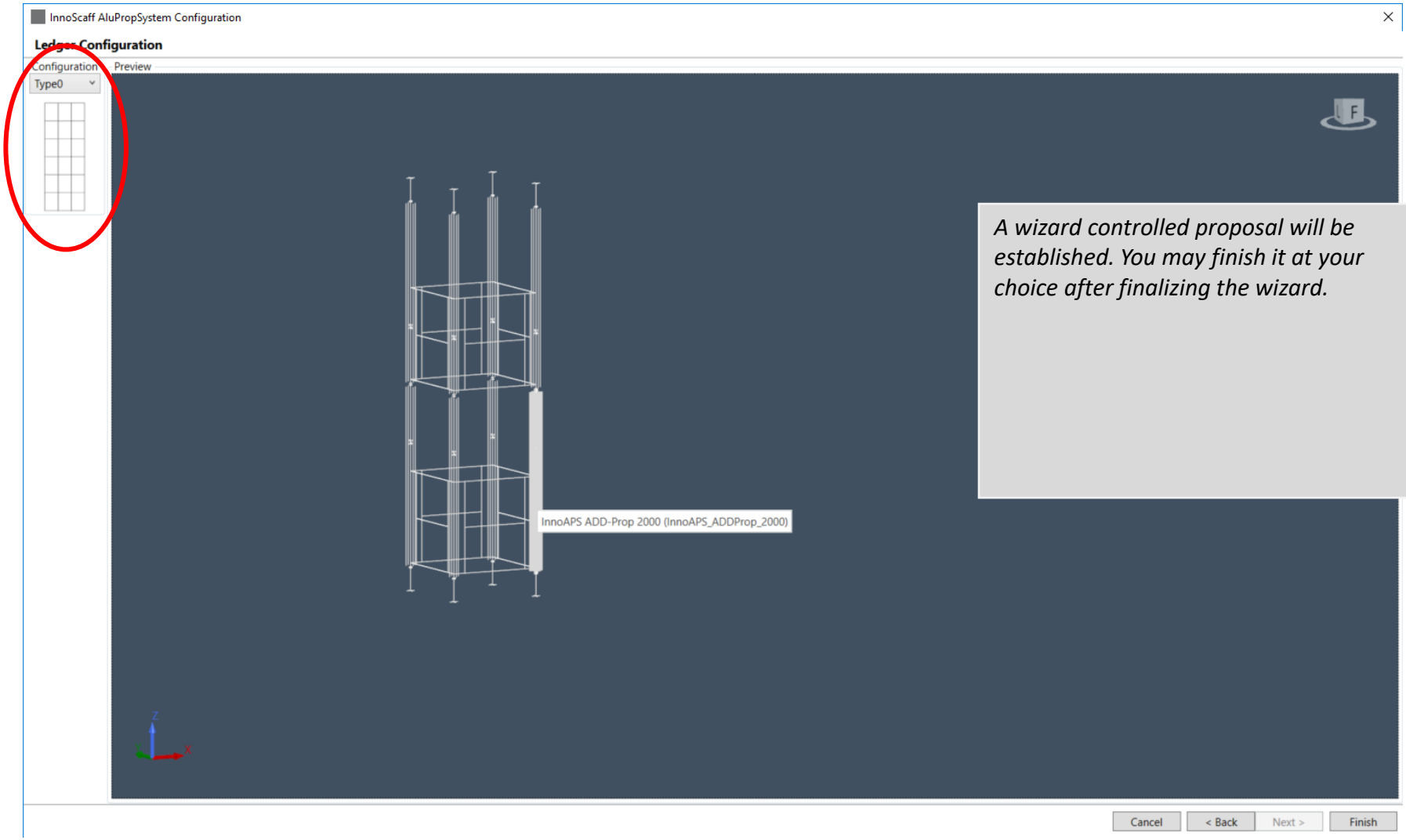
# Falsework Configuration: Ledger Configuration






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



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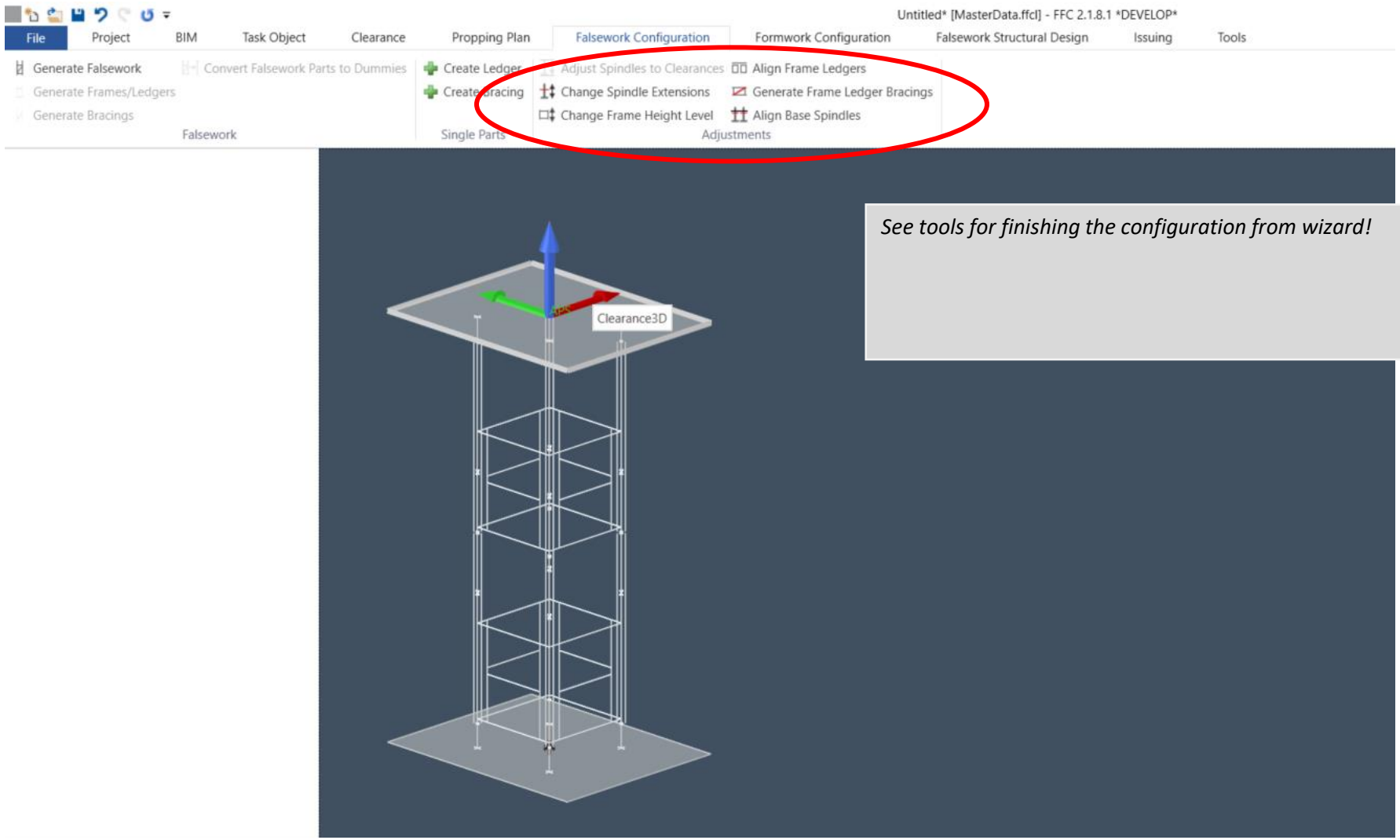
# Option: Adjustments






*See tools for finishing the configuration from wizard!*



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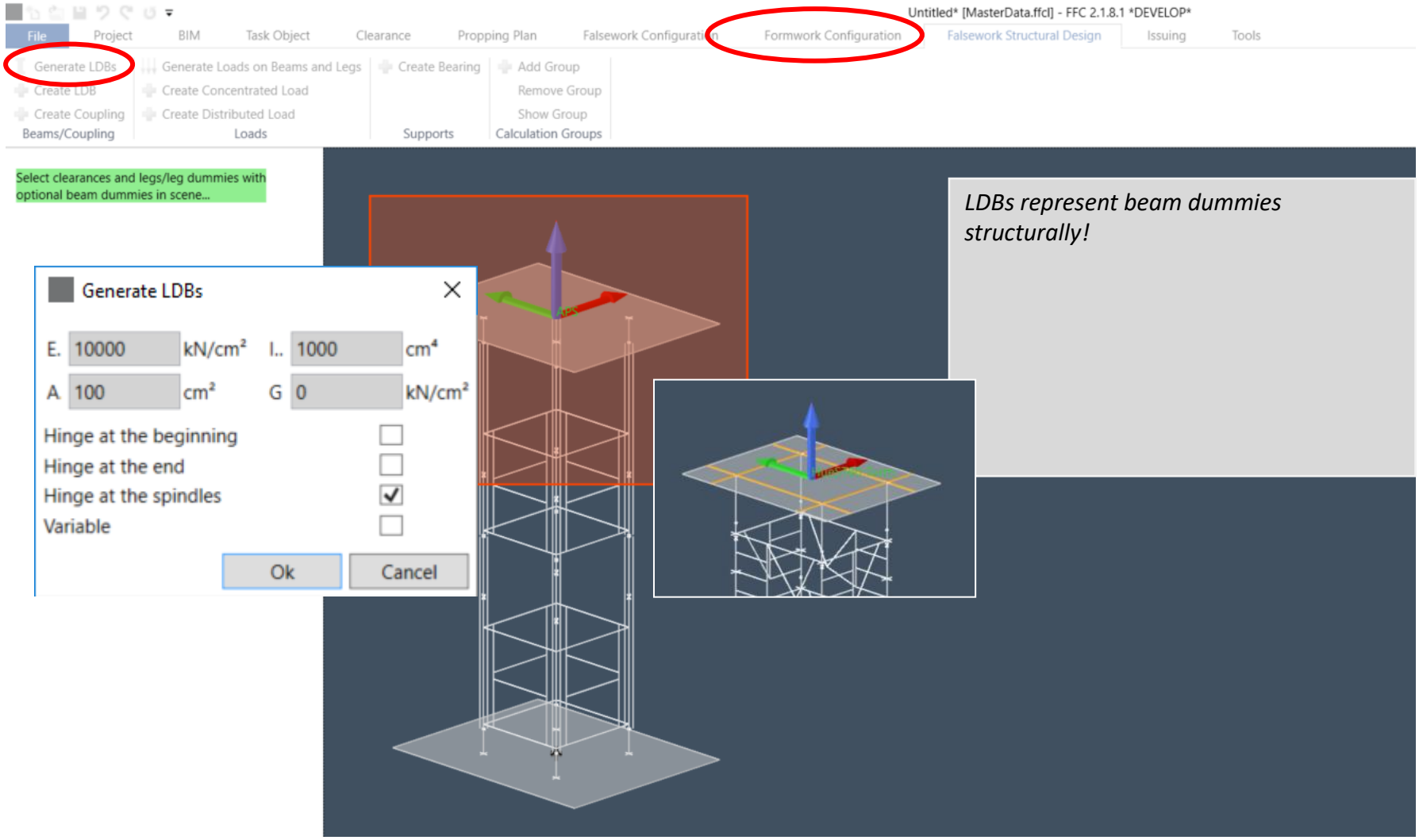
# Falsework Structural Design: „Generate LDBs“





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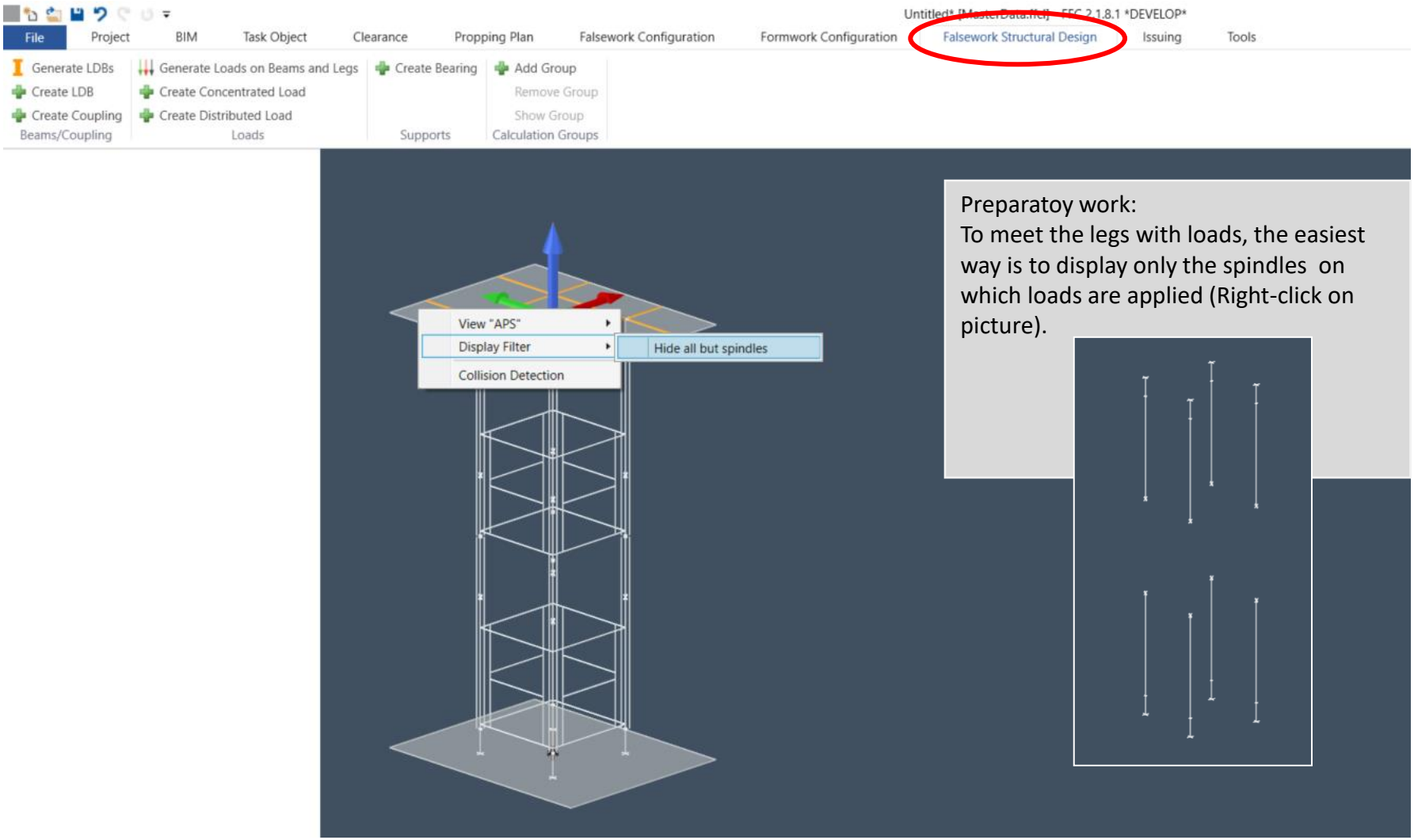
# Falsework Structural Design: „Create Concentrated Loads“ - Preparatoy work




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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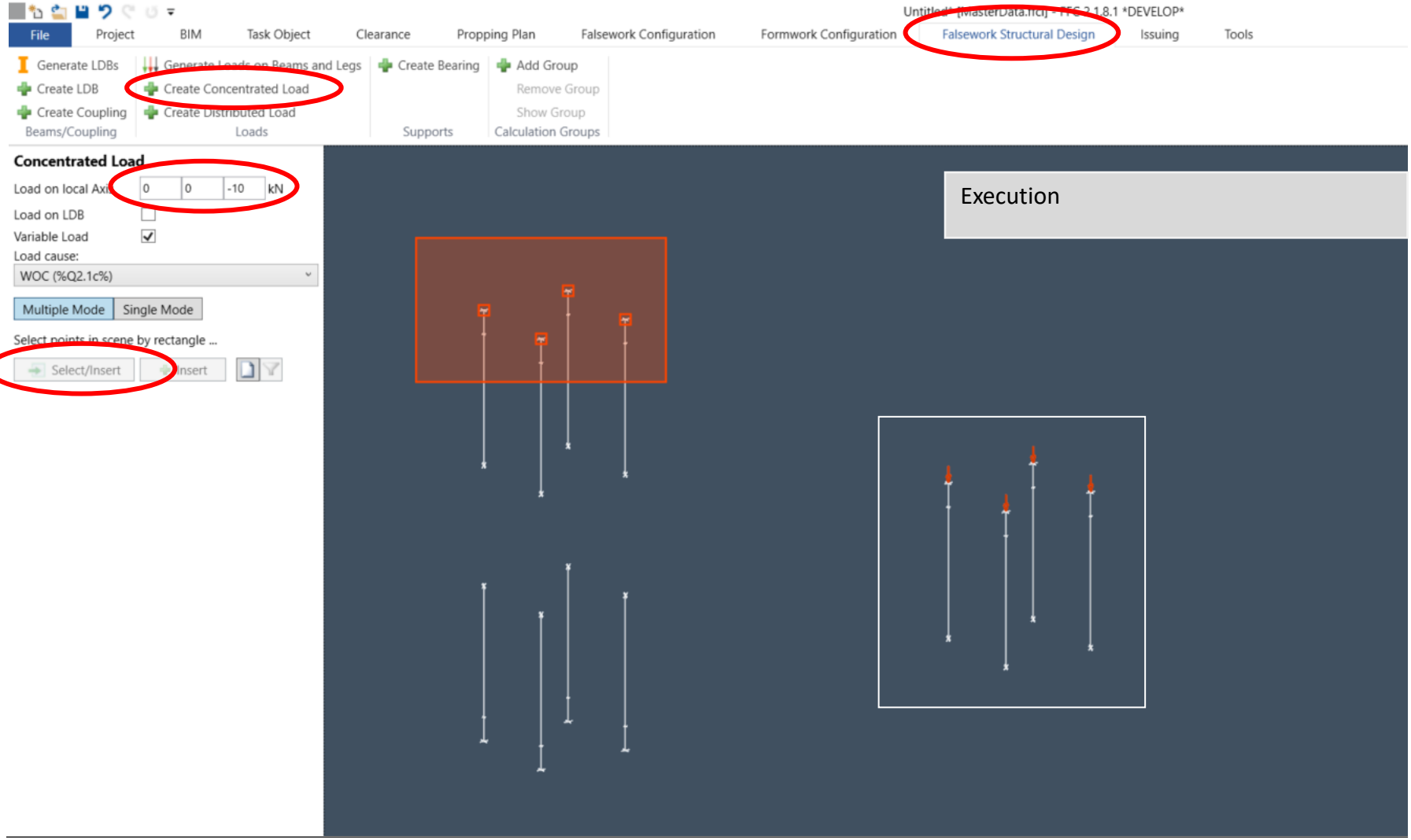
# Falsework Structural Design: „Create Concentrated Loads“





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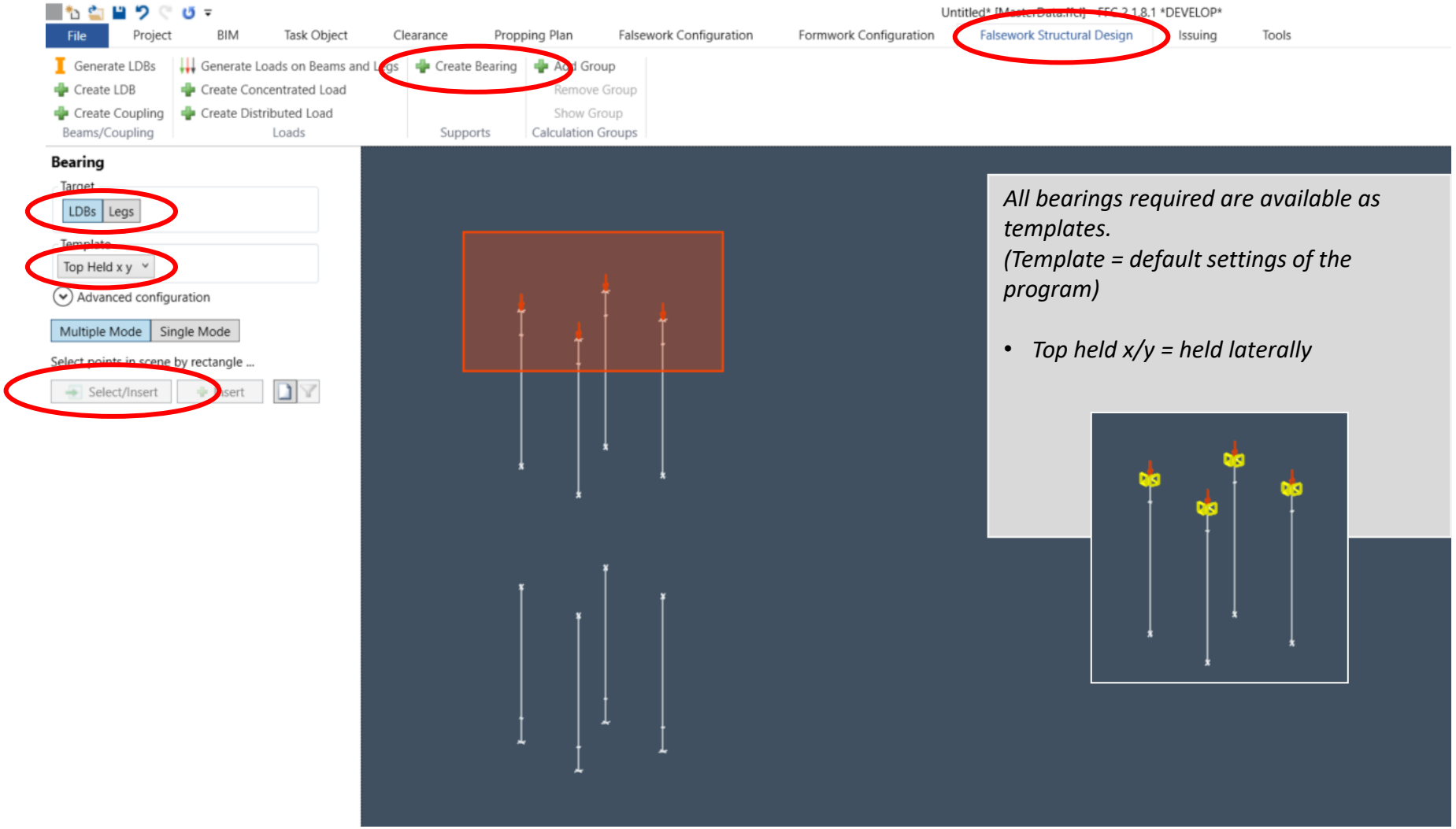
# Falsework Structural Design: „Create Bearing“ - Top



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# Falsework Structural Design: „Create Bearing“ - Base

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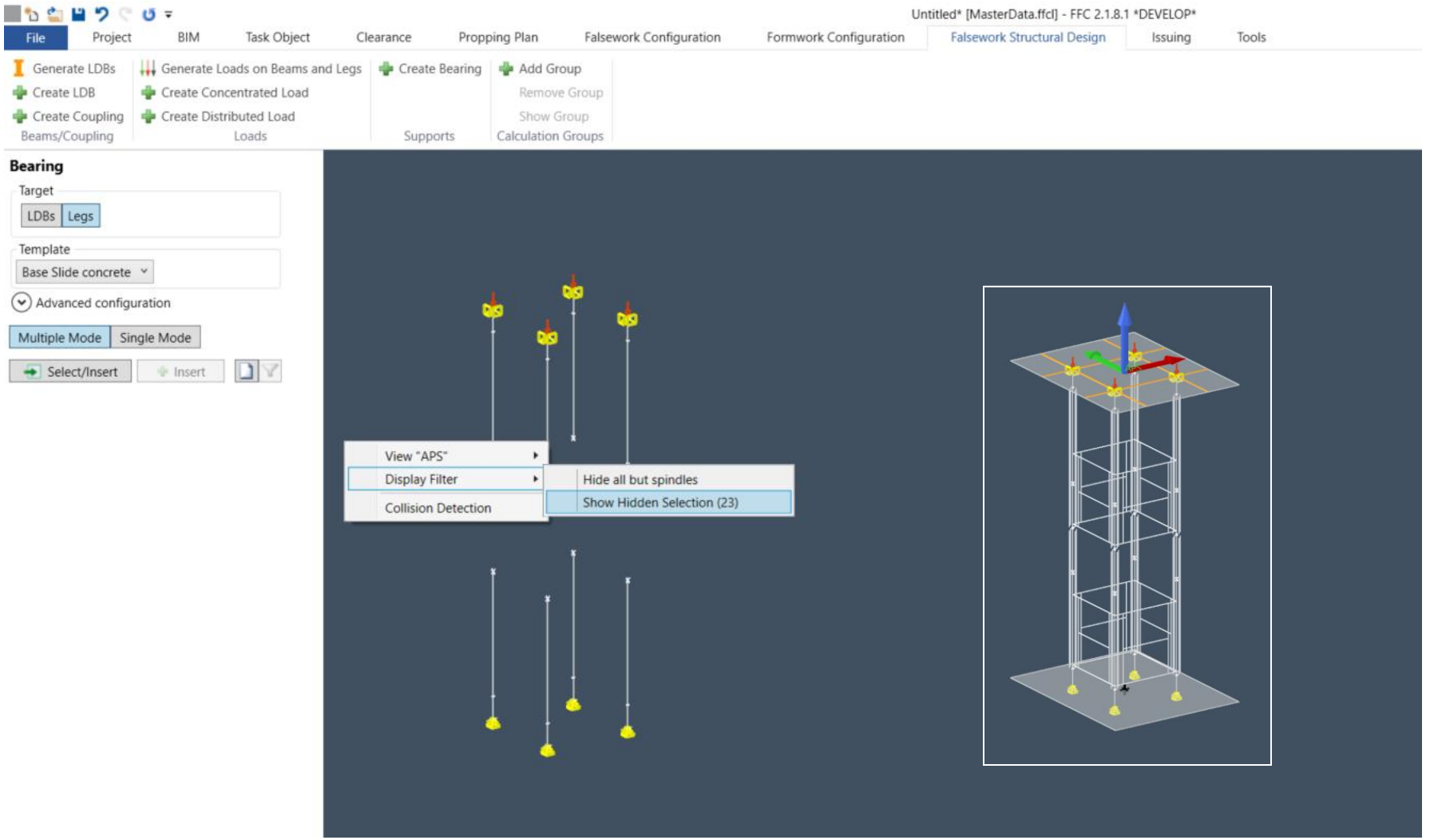
# Falsework Structural Design: **Show Hidden Selection**



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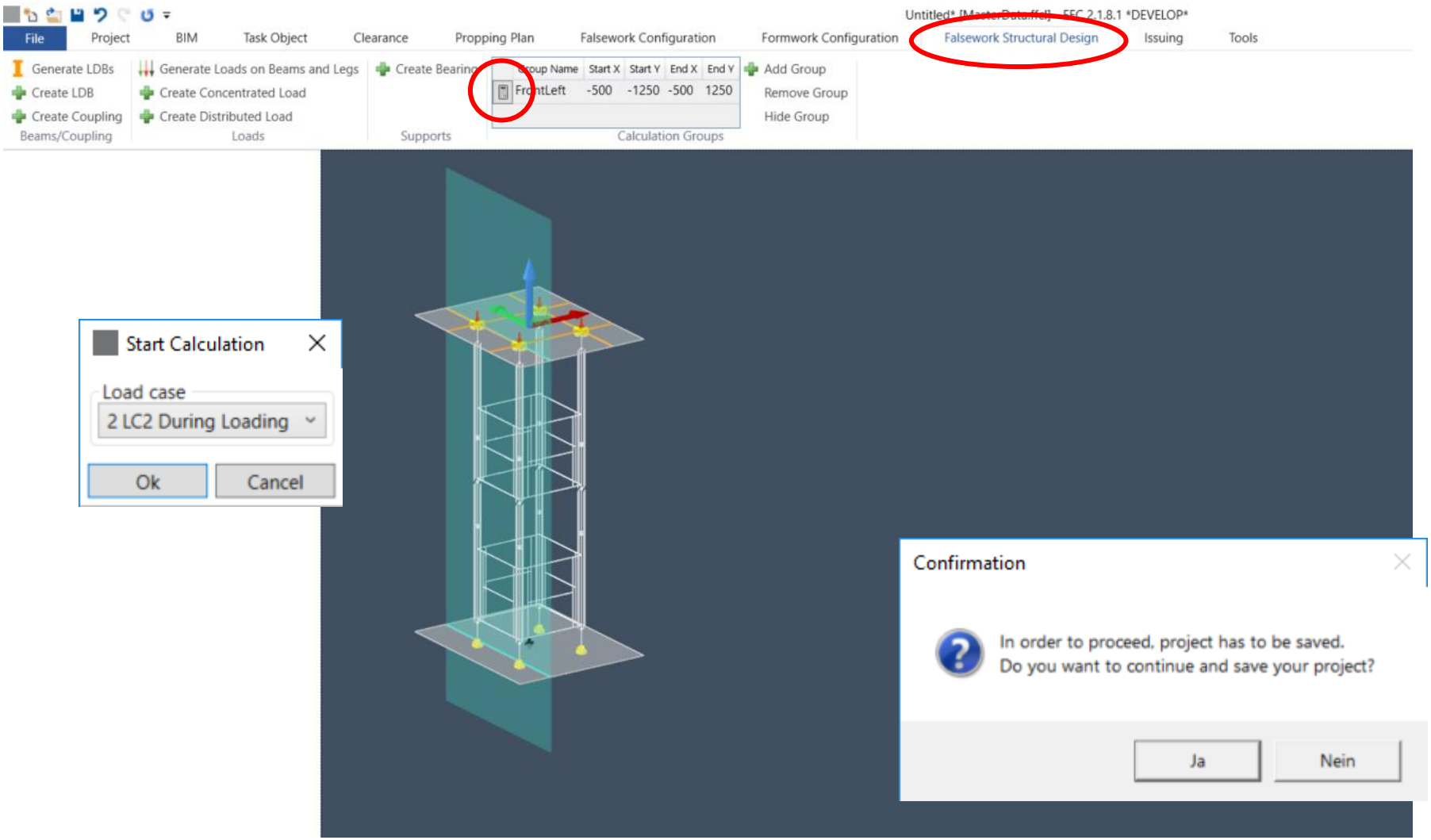
# Falsework Structural Design: **„Start Calculation“** and save Project





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