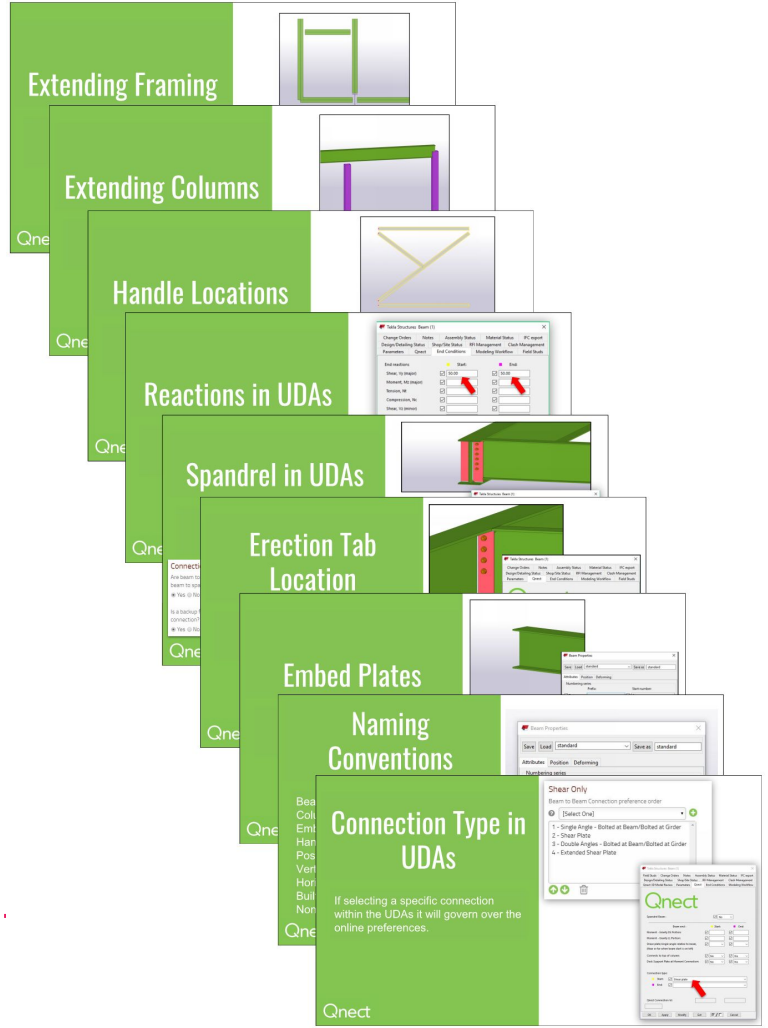
Model Preparation

Qnect

Model Preparation Checklist

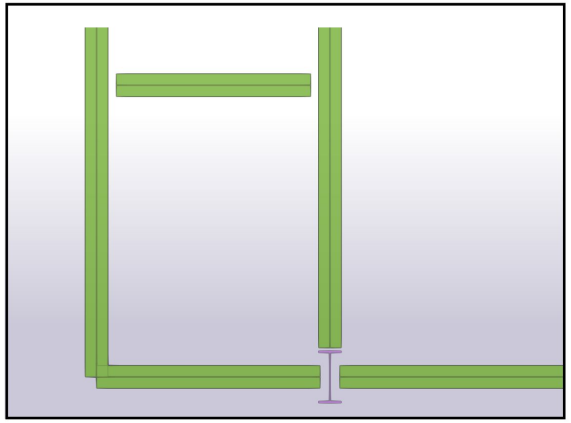
- Extending Framing
- Extending Columns
- Handle Locations
- Reactions in UDAs
- Spandrel in UDAs
- Erection Tab Locations
- Embed Plates
- Naming Conventions
- Connection Type in UDAs

Qnect



Extending Framing

Beam to Beam
Beam to Column
Cantilevers



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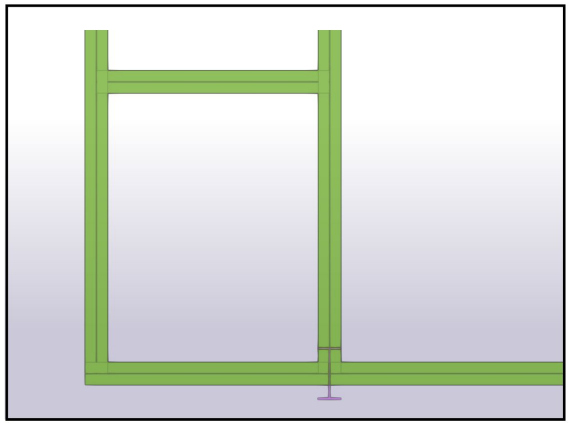
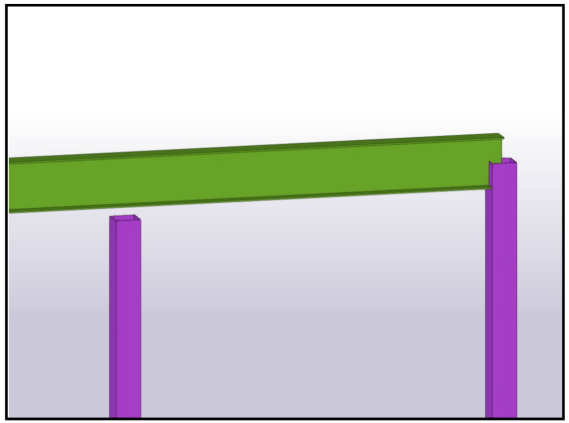


Correct

Qnect

Extending Columns

Top of Steel Locations
Underside Locations



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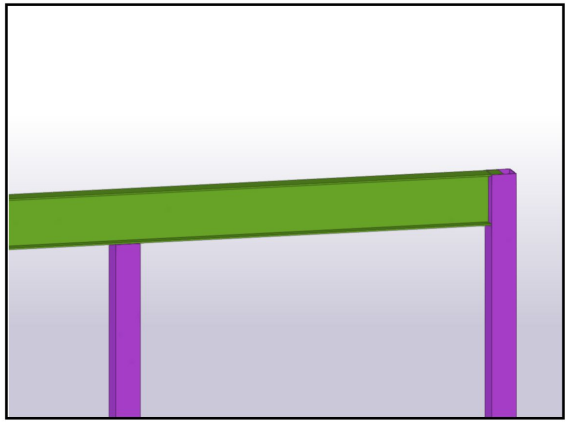
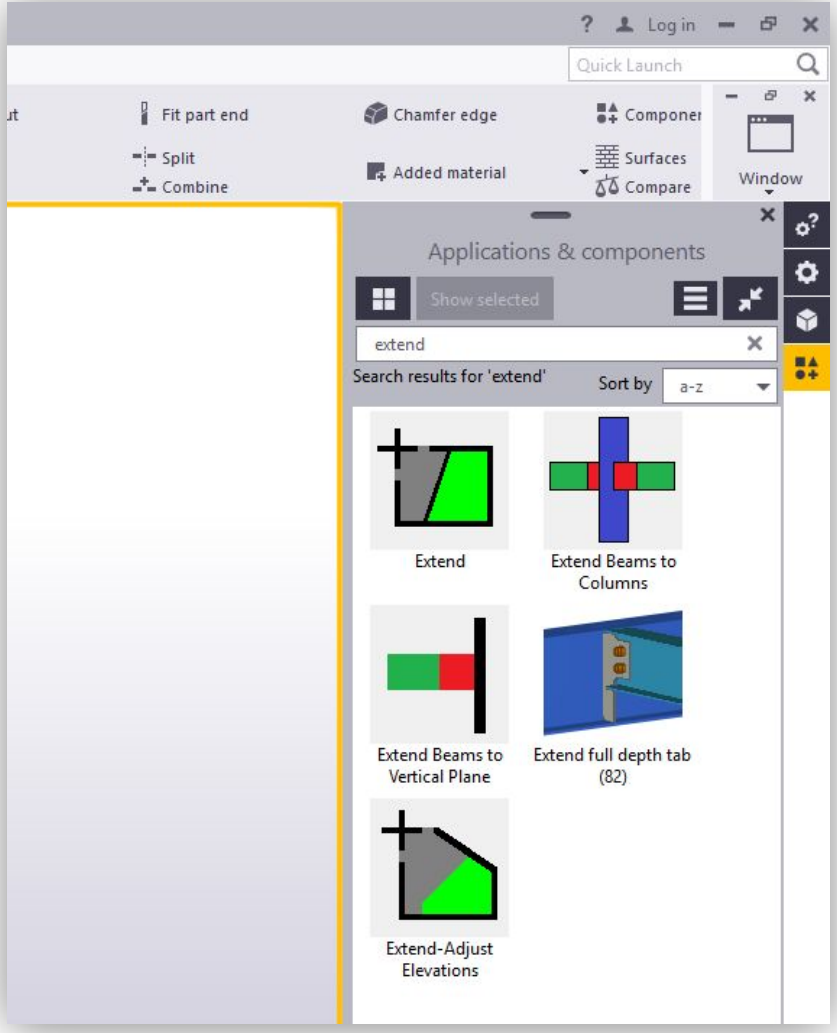


Correct

Qnect

Extending Tools

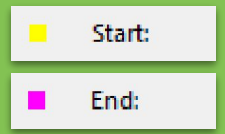
- Tekla Macros
  - Extend
  - Extend Beams to Columns
  - Extend Beams to Vertical Plane
  - Extend-Adjust Elevations

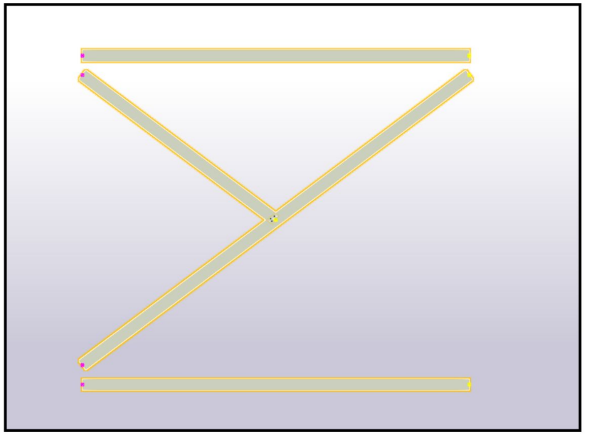


Qnect

Handle Locations

Start Location
End Location





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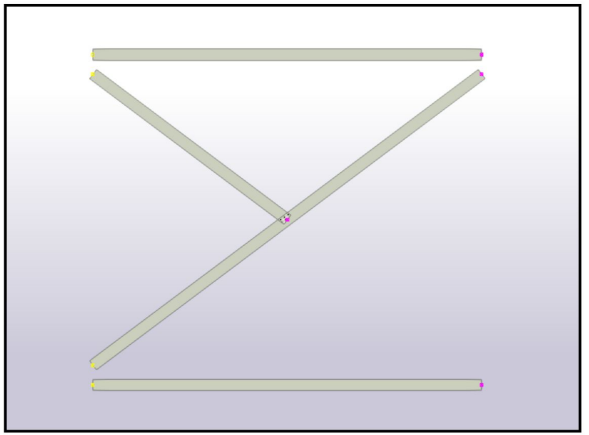


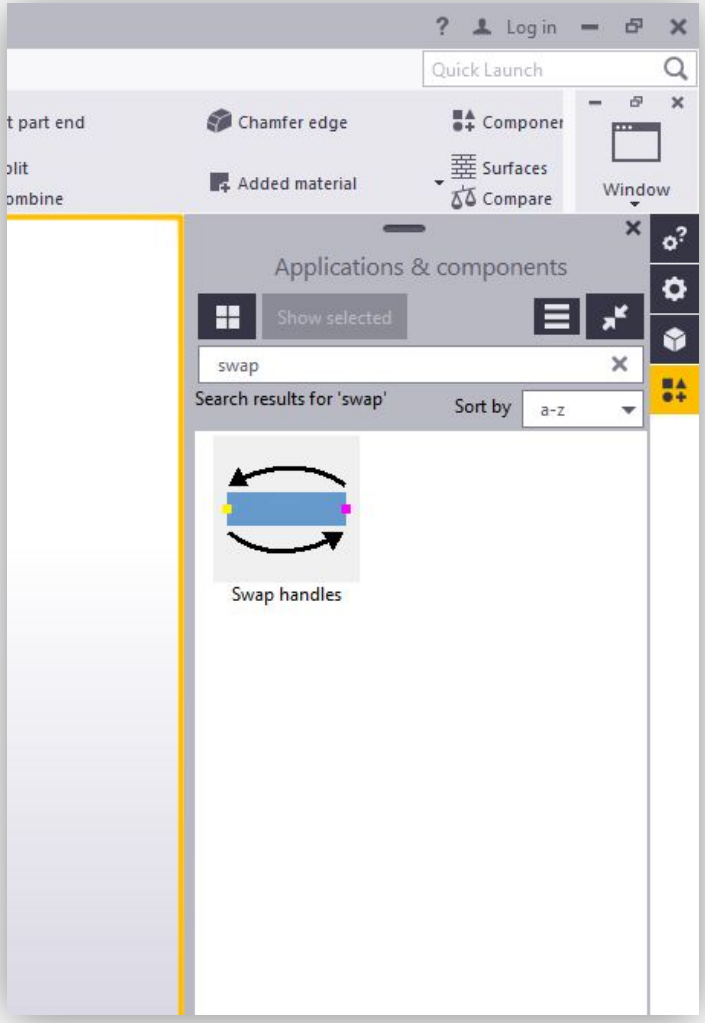
Correct

Qnect

Handle Tool

- Tekla Macro
  - Swap handles

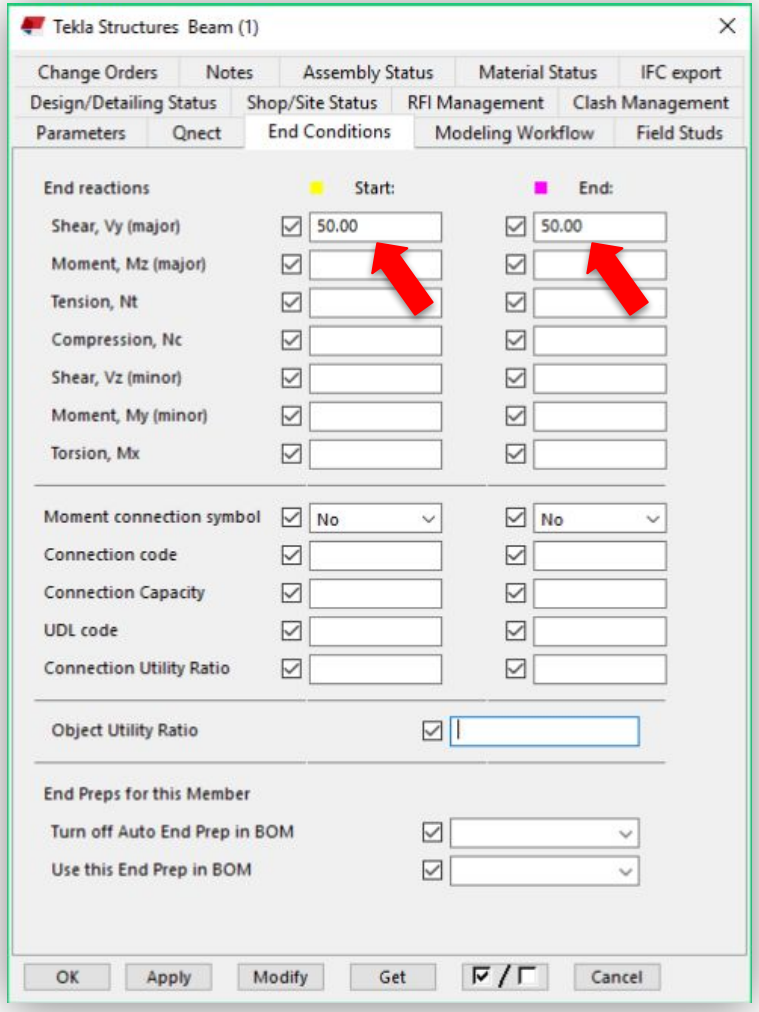
Very IMPORTANT:
When swapping handles UDA fields will remain and will **NOT** follow your handles.



Qnect

Reactions in UDAs

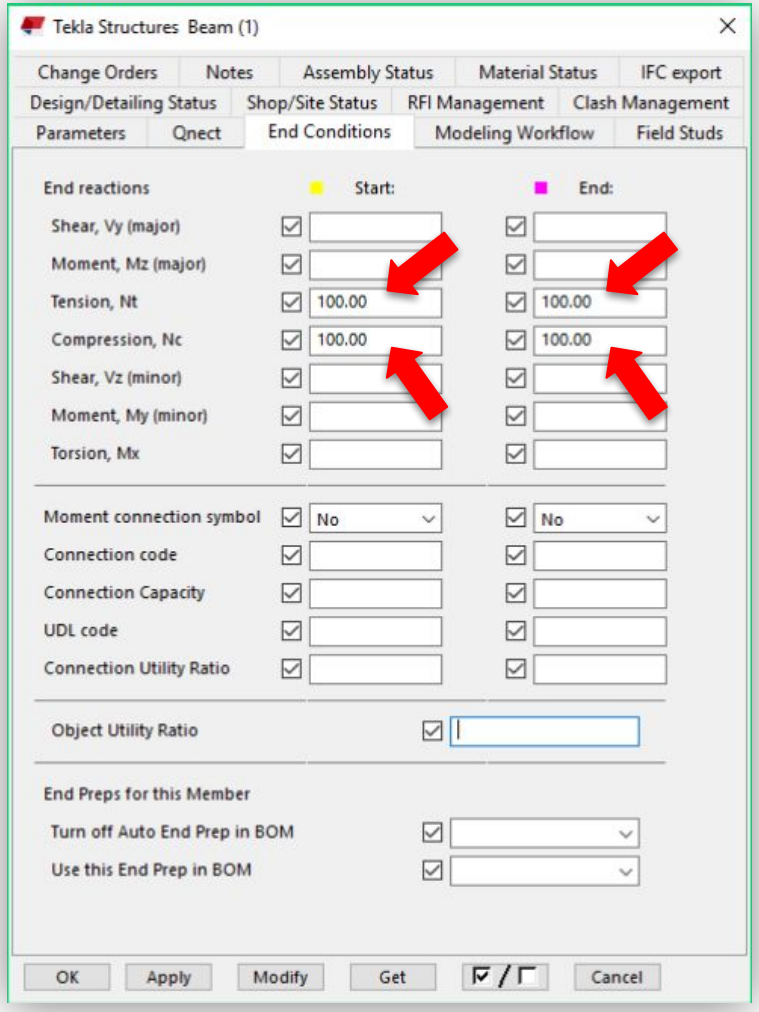
- Shear Reactions
- Axial Reactions
- Moment Reactions



Qnect

Reactions in UDAs

Shear Reactions
Axial Reactions
Moment Reactions

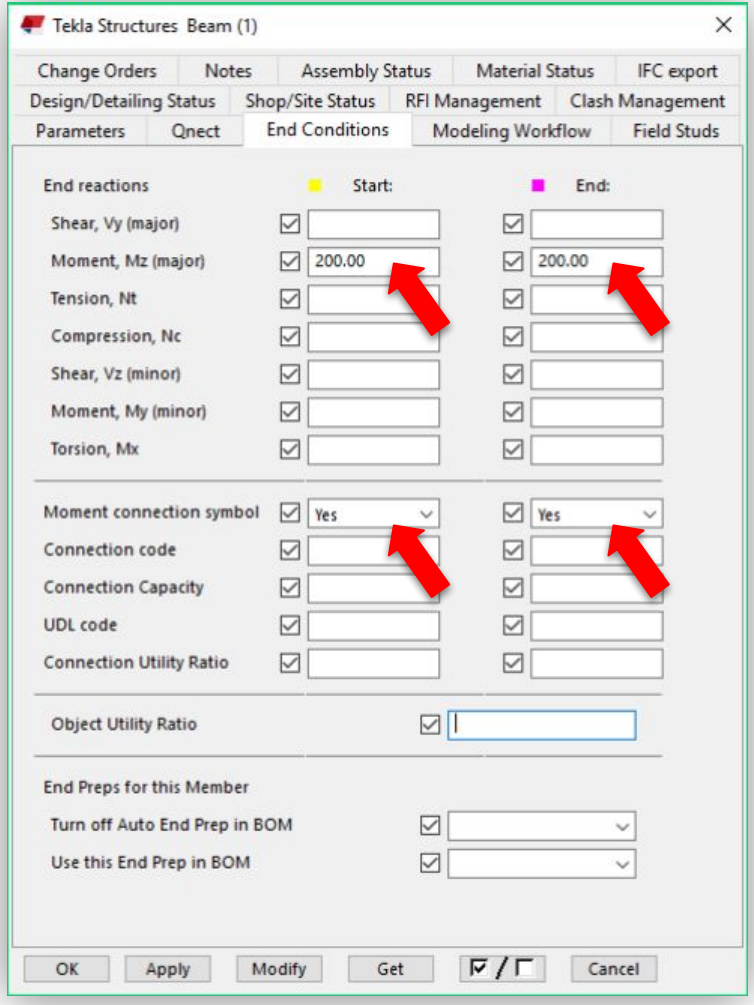


Qnect

Reactions in UDAs

Shear Reactions
Axial Reactions
➡ Moment Reactions

Qnect



Spandrel in UDAs

Full Depth Shear
Max Bolt Rows Double Angle
Full Depth Backside Stiffener

Connection Preferences

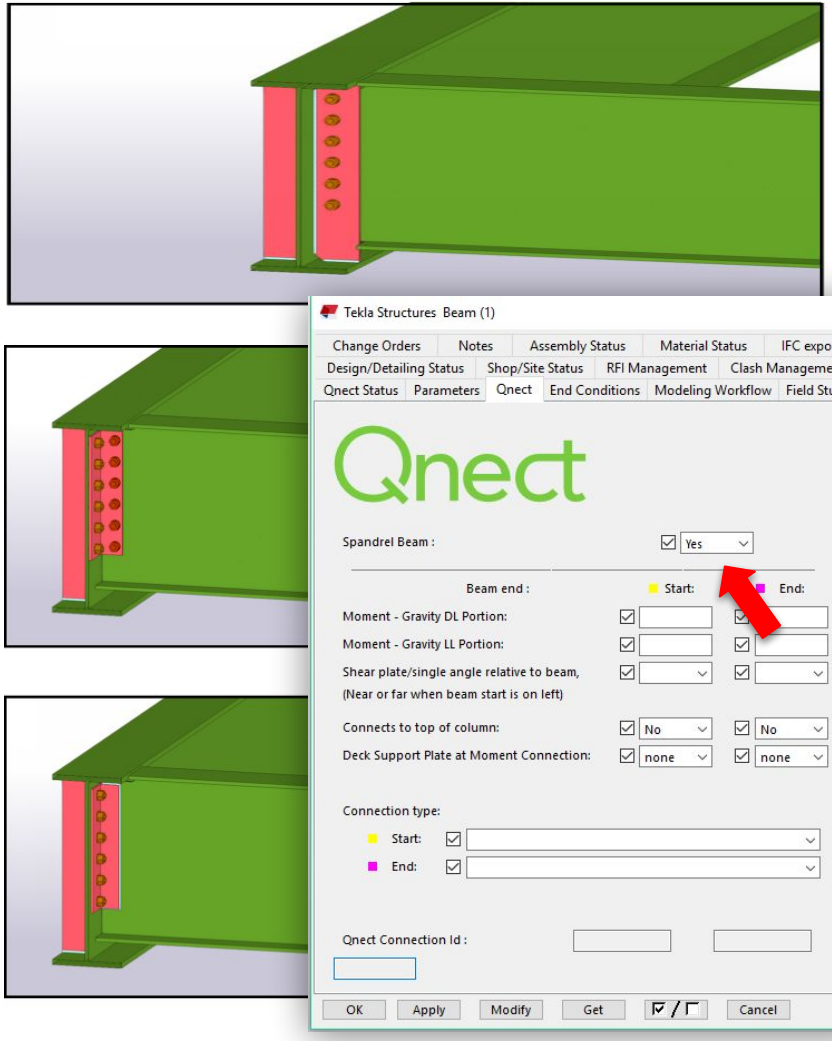
Are beam to spandrel beam shear plate connections to be Full Depth Shear Plates and beam to spandrel beam double angle connections to fill maximum bolt rows?

◉ Yes ○ No

Is a backup full depth stiffener required at spandrel beams on opposite side of connection?

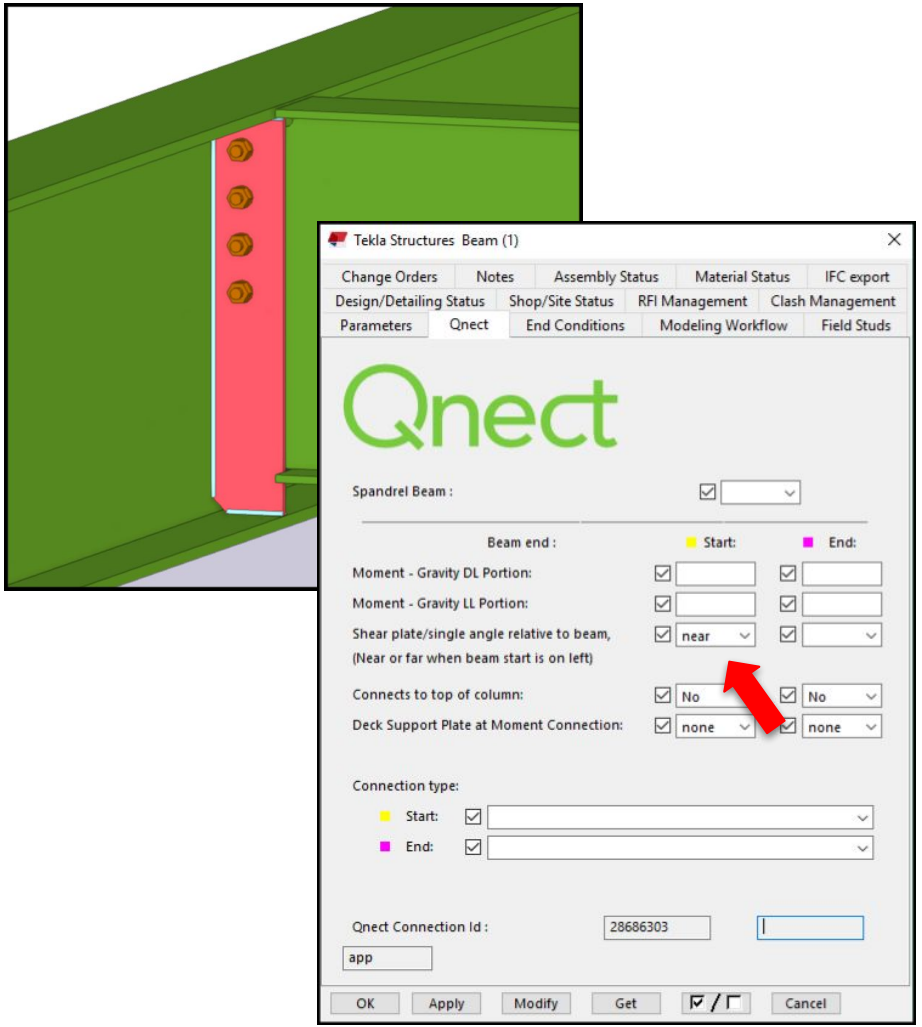
◉ Yes ○ No

Qnect



Erection Tab Location

- Nearside
- Farside
- Global (Coming Soon)



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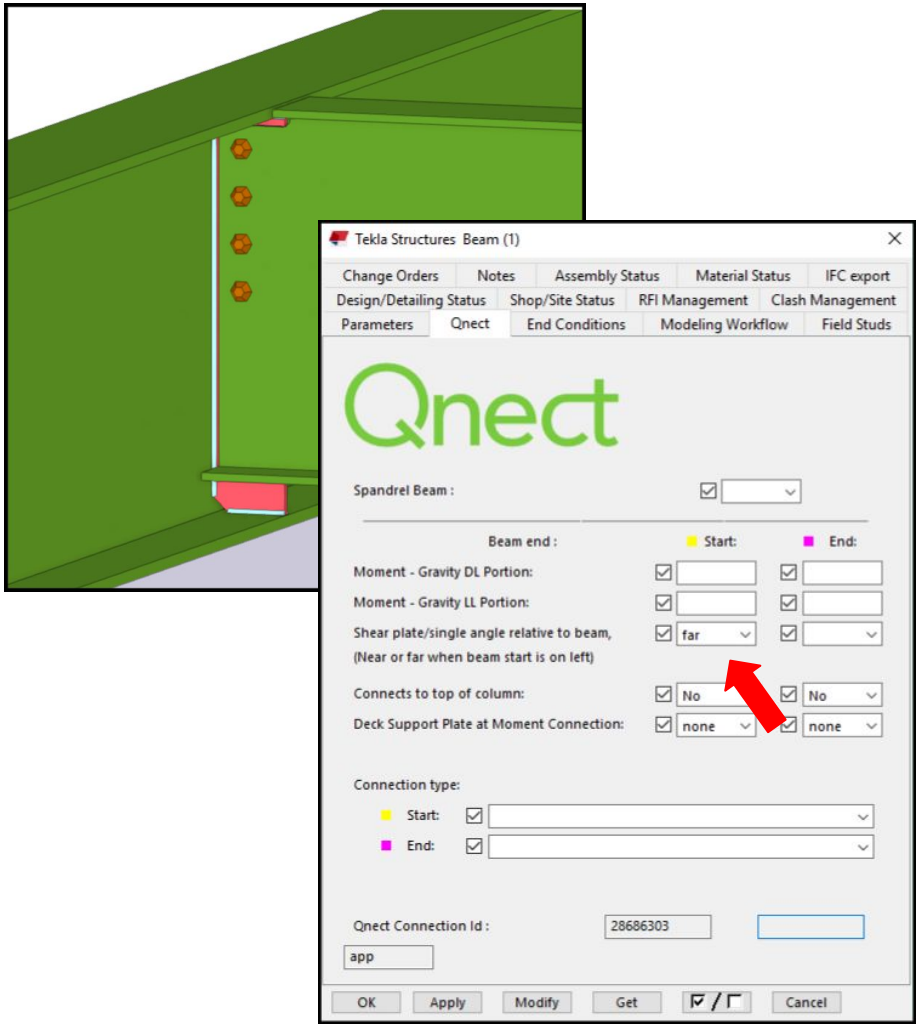
Erection Tab Location

Nearside
Farside
Global (Coming Soon)



Qnect

Erection Tab Location

Nearside
Farside
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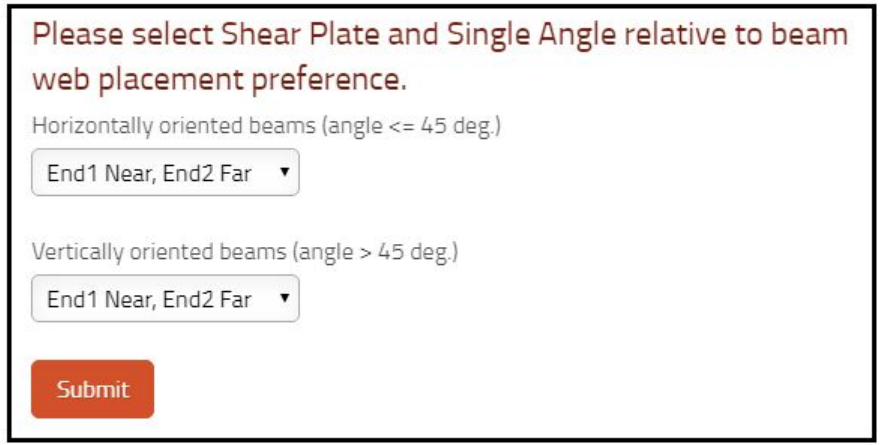
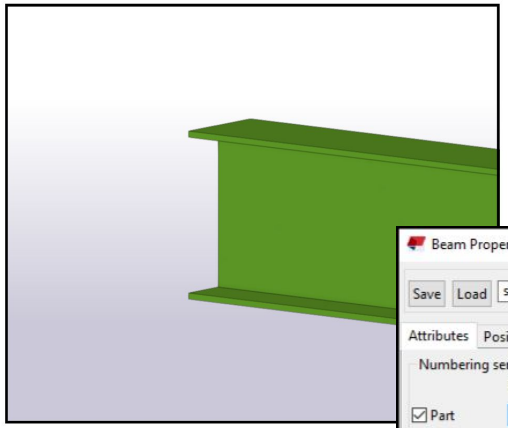


Qnect

Embed Plates

- Standard Embed
- ‘Dummy’ Embed



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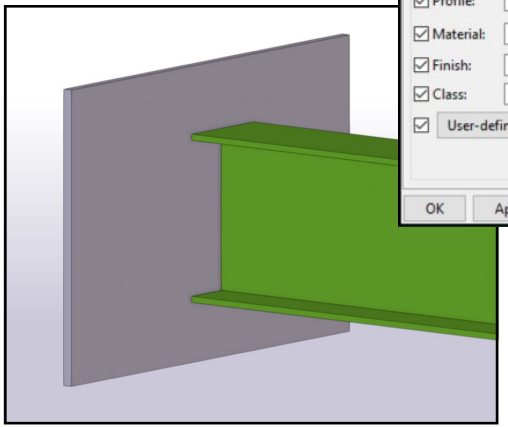

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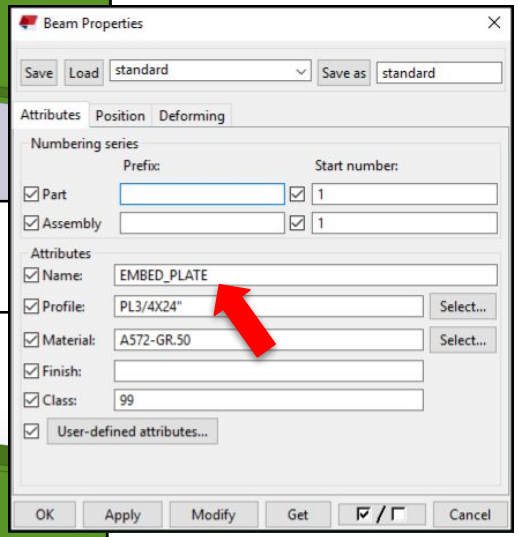
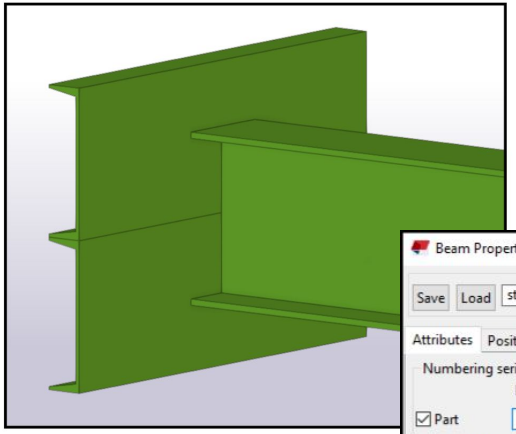


Qnect

Embed Plates

Standard Embed

‘Dummy’ Embed



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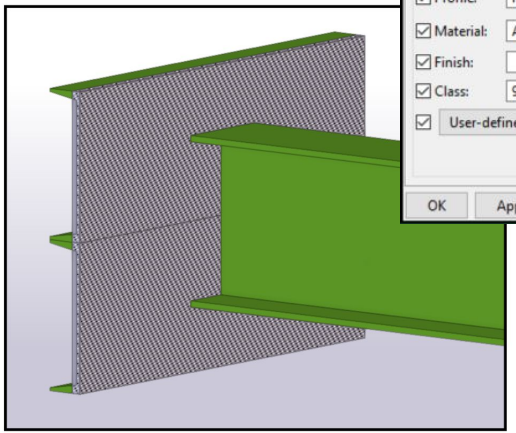

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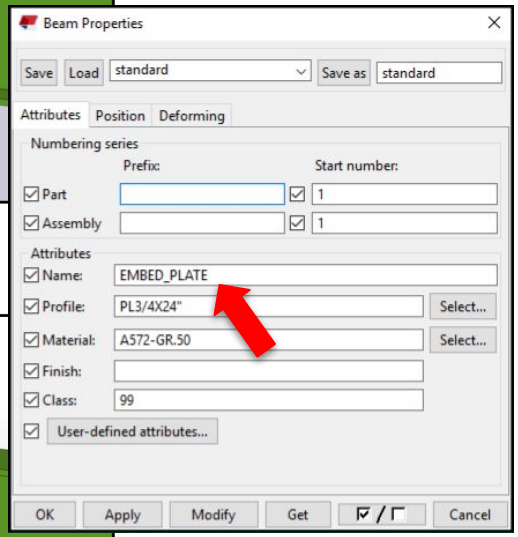
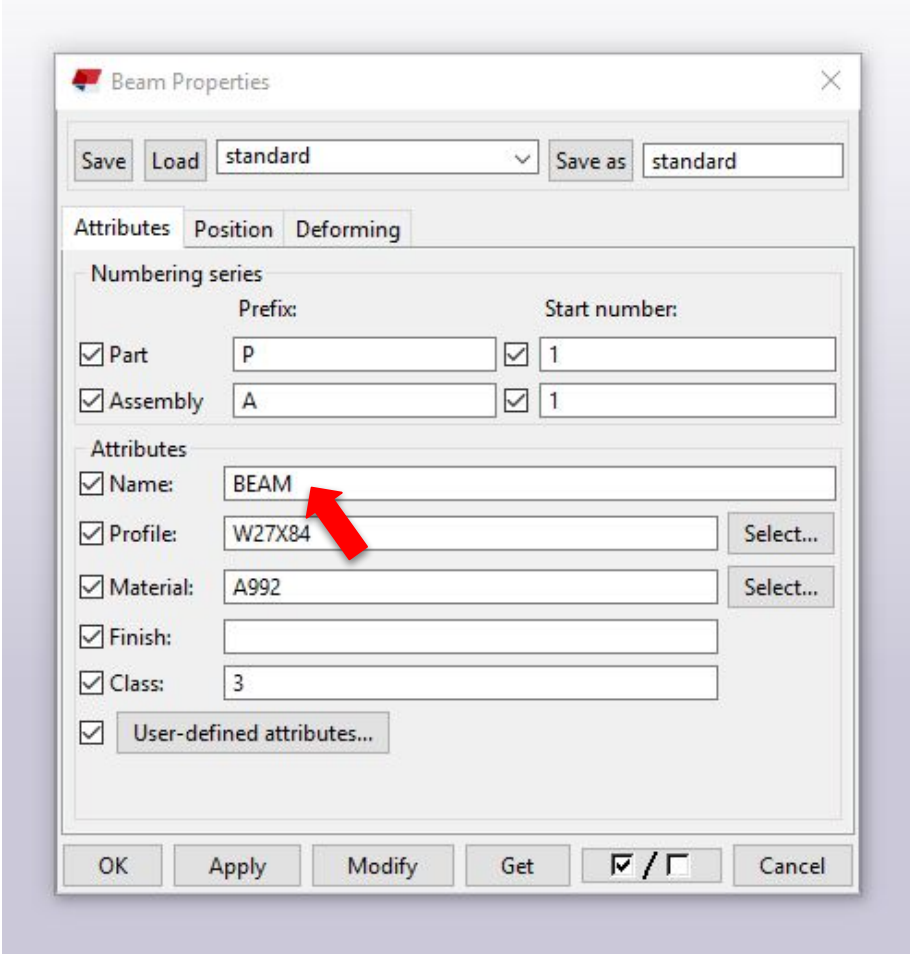


Qnect

Naming Conventions

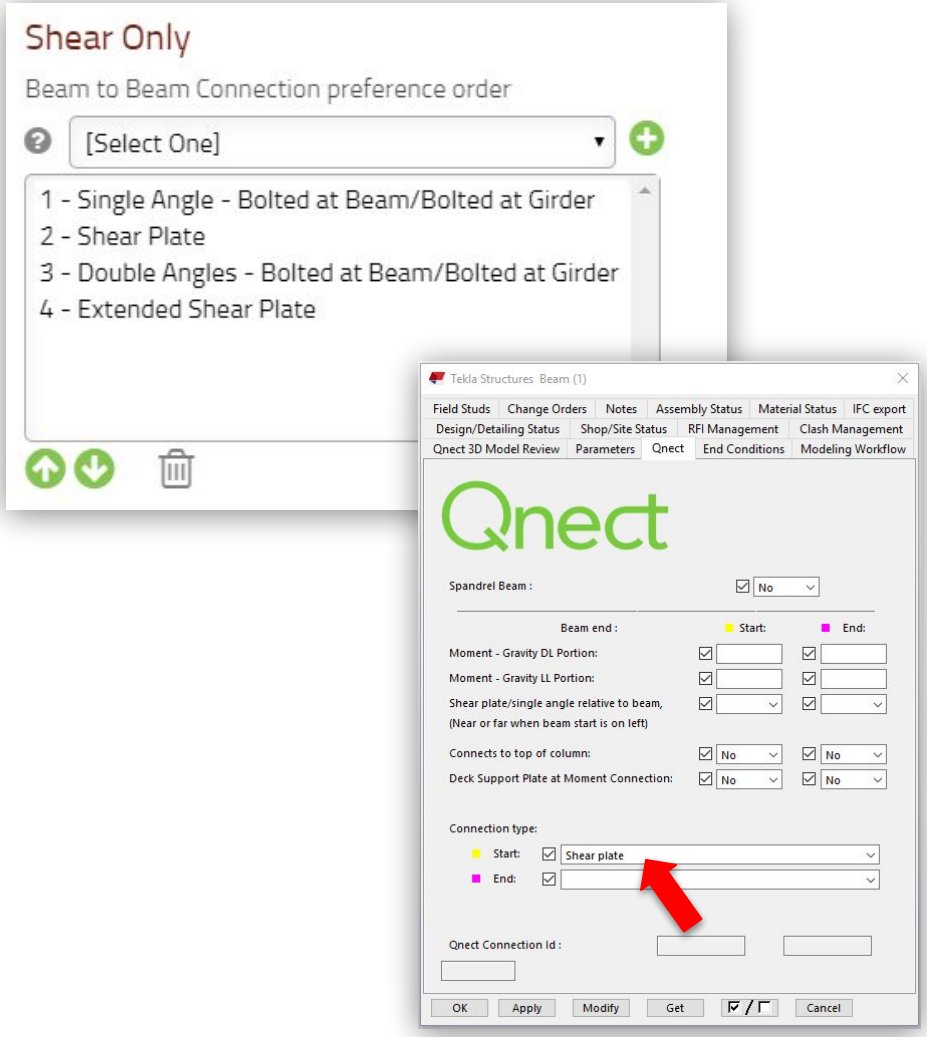
Beams = BEAM
Columns = COLUMN
Embeds = EMBED
Hangers = HANGER
Posts = POST
Vertical Braces = VBRACE
Horizontal Braces = HBRACE
Built Ups - BUILTUP
Non Composite = NON-COMPOSITE

Qnect



Connection Type in UDAs

If selecting a specific connection within the UDAs it will govern over the online preferences.



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PHONE: 413.387.4375

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