

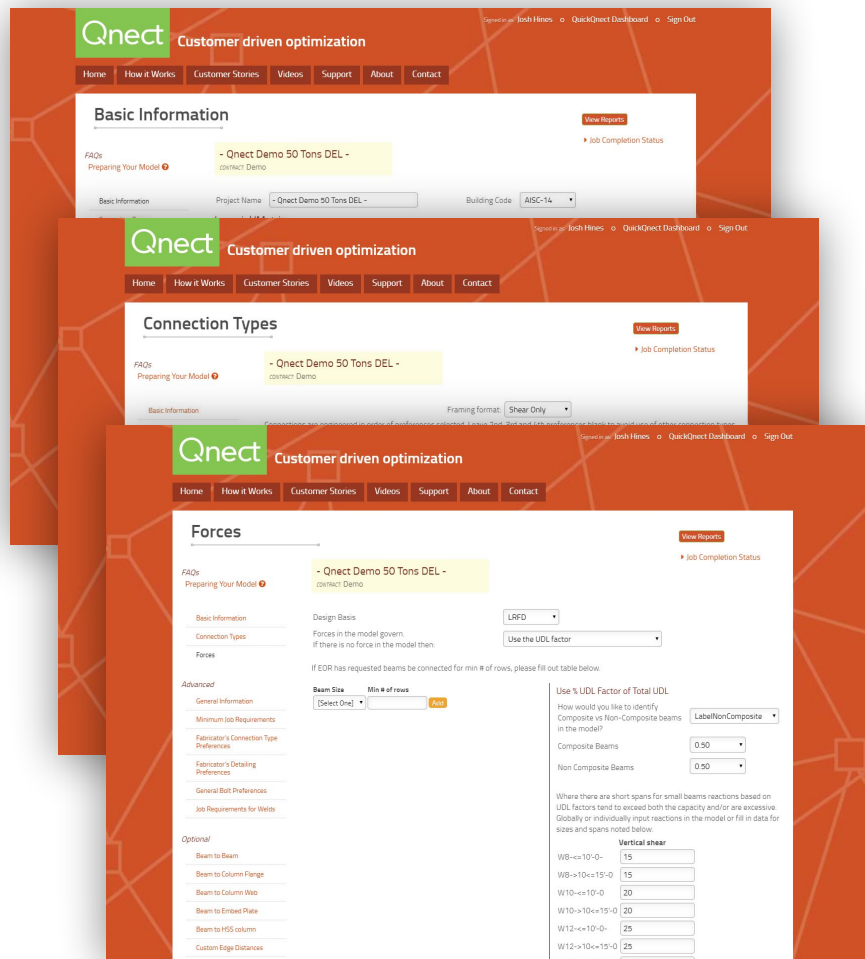
Qnect Preferences Update

Dated January 31, 2019

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We have added these categories so that users can start to separate Basic Preferences vs Advanced Preferences.



Basic Information

This category was added to help prepare high level information; which will automatically populate the 'General Information' preferences that already exist.

Basic Information

FAQs

Preparing Your Model

Project Name

Building Code

Imperial/Metric

Engineering units

Are bolt sizes defined in Imperial or Metric?

How are Profiles defined?

Optimization

General Information

Minimum Job Requirements

Fabricator's Connection Type Preferences

Fabricator's Detailing Preferences

General Bolt Preferences

Job Requirements for Welds

Optional

Beam to Beam

Beam to Column Flange

Beam to Column Web

Beam to Embed Plate

Beam to HSS column

Custom Edge Distances

View Reports

Job Completion Status

- Qnect Demo 50 Tons DEL -

CONTRACT Demo

- Qnect Demo 50 Tons DEL -

AISC-14

PLEASE NOTE: If you change ANY of the values below, you'll need to review ALL of the pages, INCLUDING the optional sections, to ensure proper completion of forms.

Imperial

Imperial

AISC IMPERIAL

Note: Please ensure that the beam profiles selected are compatible with your tekla environment..

Preference Optimization - Auto P+Op

Would you like us to run several preferences and present a report comparing the results?

☐ Yes ☒ No

Bolt Optimization - B+Op

Would you like us to take the vertical hole spacing and iterate from the traditional 3" up to 6" to achieve the fewest number of bolts in each connection?

☐ Yes ☒ No

Submit

Connection Types

This category was added to help prepare your desired connections; which will automatically populate the 'Fabricator's Connection Type Preferences' that already exist.

You will find this to be more user friendly.

Connection Types

[View Reports](#)
Job Completion Status

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CONTRACT Demo

Framing format: Shear Only

Connections are engineered in order of preferences selected. Leave 2nd, 3rd and 4th preferences blank to avoid use of other connection types.

Please include a connection type to column flanges (i.e. Knifed connection or Shear Plate) that can be used if a column flange thickness exceeds the desired maximum allowable bolttable thickness of column flanges.

	Shear Only	1st preference	2nd preference	3rd preference	4th preference
Beam to Beam		Single Angle - Bol	Shear Plate	Double Angles - B	Extended Shear P
Beam to Spandrel Beam		Single Angle - Bol	Shear Plate	Double Angles - B	Extended Shear P
Beam to HSS Beam		Single Angle - Bol	Shear Plate	Double Angles - K	[Select One]
Beam to Column Web		[Select One]	[Select One]	[Select One]	[Select One]
Beam to Column Flange		Single Angle - Bol	Shear Plate	Double Angles - B	[Select One]
Beam to Embed Plate		Single Angle - Bol	Shear Plate	Double Angles - B	[Select One]
Beam to HSS Column		Single Angle - Bol	Shear Plate	Double Angles - K	[Select One]
Skewed Beam to Beam		Single Angle - Bol	Shear Plate	Extended Shear P	[Select One]
Skewed Beam to Column Flange		Shear Plate	[Select One]	[Select One]	[Select One]
Skewed Beam to Column Web		Extended Shear P	[Select One]	[Select One]	[Select One]

Submit

Basic Information

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Advanced

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Fabricator's Connection Type Preferences

Fabricator's Detailing Preferences

General Bolt Preferences

Job Requirements for Welds

Optional

Beam to Beam

Beam to Column Flange

Beam to Column Web

Beam to Embed Plate

Beam to HSS column

Custom Edge Distances

Iteration Control

Custom Job Costs

Forces

This category was added to help prepare forces for your project; and to automatically populate the first portion of the 'Minimum Job Requirements' that already exist.

As you can see the same pulldown window has been used.

Forces

[View Reports](#)

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FAQs
Preparing Your Model ⓘ

- Qnect Demo 50 Tons DEL -
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Beam to HSS column

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Custom Job Costs

Design Basis

Forces in the model govern.
If there is no force in the model then:

If EOR has requested beams be connected for min # of rows

Beam Size [Select One] **Min # of rows** [Add](#)

LRFD

Use the UDL factor

Do Not Connect Remaining

Fill out table below

Use the UDL factor

90% of Factored Beam Shear Yield Capacity

Composite vs Non-Composite beams in the model?

Label/NonComposite

Composite Beams

Non Composite Beams

Where there are short spans for small beams reactions based on UDL factors tend to exceed both the capacity and/or are excessive. Globally or individually input reactions in the model or fill in data for sizes and spans noted below.

Vertical shear

W8-<=10'-0"	<input type="text" value="15"/>
W8->10<=15'-0"	<input type="text" value="15"/>
W10-<=10'-0"	<input type="text" value="20"/>
W10->10<=15'-0"	<input type="text" value="20"/>
W12-<=10'-0"	<input type="text" value="25"/>
W12->10<=15'-0"	<input type="text" value="25"/>
W14-<=10'-0"	<input type="text" value="30"/>
W14->10<=15'-0"	<input type="text" value="30"/>

Any Questions...

As always feel free to text, call or email me if you have any questions or concerns.

Josh Hines
Manager of Technical Field Support
(209) 663-0420
josh@qnect.com

Qnect

