# **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.

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Preparing Your Model 🛛 connect Demo	D 50 Tons DEL - Rivect Demo 50 Tons DEL - Buildin	Vece Rep > job Cor g Code AISC-14 •	arts npletion Status		
Qnect Custome Home How it Works Customer		Supromas flosh Hines o	<ul> <li>QuickQnect Dashbo</li> </ul>	ard o Sign Out	
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FAQs Preparing Your Model • Basic Information Connection Types	- Qnect Demo 50 Tons DEL - counser: Demo Design Basis Forces in the model govern. If there is dorse in the model then	LRFD • Use the UDL factor	•	ob Completion Status	$\langle$
Forse Advanced General Homation Monum to Biliguametes Fascuers Connection Type Pageware Connection Type	In other as no local in the inducer over If EOR has requested beams be connected for min it of Baari Size Mink of freeze (Select Orig)	Use % UDL Fact How would you	ike to identify n-Composite beams Is	LabelNonComposite • 0.50 • 0.50 •	
Canvail Bith Performance Job Requirements for Webs Optional Barm to Beam Beam to Column Frange		UDL factors tend Globally or individ sizes and spans r W8-<=10-0- W8->10<=15'-0	to exceed both the cap dually input reactions in noted below. Vertical shear 15 15	eams reactions based on lacity and/or are excessive. the model or fill in data for	1
Beam to Column Wee Beam to Embed Plate Beam to H55 column Custom Eige Distances		W10-<=10'-0 W10->10<=15'- W12-<=10'-0- W12->10<=15'-	25		/



### **Basic Information**

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

Basic Informa	ation	View Reports			
FAQs Preparing Your Model 🕑	- Qnect Demo 50 Tons DEL - contract: Demo	<ul> <li>Job Completion Statu</li> </ul>			
Basic Information	Project Name - Qnect Demo 50 Tons DEL -	Building Code AISC-14 •			
Connection Types	Imperial/Metric				
Forces	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.				
Advanced	Engineering units	Imperial •			
General Information	Are bolt sizes defined in Imperial or Metric?	Imperial 🔻			
Minimum Job Requirements	How are Profiles defined?	AISC IMPERIAL V			
Fabricator's Connection Type Preferences	Note: Please ensure that the beam profiles selected are compatible with your tekla environment				
Fabricator's Detailing Preferences	Optimization				
General Bolt Preferences					
Job Requirements for Welds	Preference Optimization - Auto P+	Op Bolt Optimization - B+Op			
Optional	Would you like us to run several preferences and present a report comparing the results?	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?			
Beam to Beam	○ Yes  No	© Yes ⊛ No			
Beam to Column Flange					
Beam to Column Web		Submit			
Beam to Embed Plate					
Beam to HSS column					
Custom Edge Distances					



### **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.

				▶ Jo	b Completion Status			
FAQs	- Qnect Demo 50 Tons Di	EL -						
Preparing Your Model 🚱	coursect. Demo							
Basic Information		Fram	ng format: Shear Only	•				
Connection Types	Connections are engineered in order of preferences selected. Leave 2nd, 3rd and 4th preferences blank to avoid use of other connection types							
Forces	Please include a connection type to column flanges (i.e. Knifed connection or Shear Plate) that can be used if a column flange thickness exceed the desired maximum allowable boltable thickness of column flanges.							
Advanced	Shear Only	1st preference	2nd preference	3rd preference	4th preference			
General Information	Beam to Beam	Single Angle - Bol 🔻	Shear Plate 🔹	Double Angles - B 🔻	Extended Shear P 🔻			
Minimum Job Requirements	Beam to Spandrel Beam							
Fabricator's Connection Type Preferences	Beam to spanorei Beam	Single Angle - Bol 🔻	Shear Plate	Double Angles - B 🔻	Extended Shear P 🔻			
Fabricator's Detailing Preferences	Beam to HSS Beam	Single Angle - Bol 🔻	Shear Plate 🔹	Double Angles - K 🔻	[Select One]			
General Bolt Preferences	Beam to Column Web	[Select One]	[Select One]	[Select One]	[Select One]			
Job Requirements for Welds	Beam to Column Flange	Single Angle - Bol 🔻	Shear Plate 🔹	Double Angles - B 🔻	[Select One]			
Optional Beam to Beam	Beam to Embed Plate	Single Angle - Bol 🔻	Shear Plate •	Double Angles - B 🔻	[Select One]			
Beam to Column Flange	Beam to HSS Column	Single Angle - Bol 🔻	Shear Plate 🔹	Double Angles - K 🔻	[Select One]			
Beam to Column Web	Skewed Beam to Beam				(m			
Beam to Embed Plate	Skewed Beam to Beam	Single Angle - Bol 🔻	Shear Plate 🔹	Extended Shear P 🔻	[Select One] •			
Beam to HSS column	Skewed Beam to Column Flange	Shear Plate 🔹	[Select One]	[Select One]	[Select One]			
Custom Edge Distances								
Iteration Control	Skewed Beam to Column Web	Extended Shear P 🔻	[Select One]	[Select One]	[Select One]			

#### Qnect

#### 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	0					View Reports
FAQs Preparing Your Model 📀	- Qnect D	emo 50 Tons DEL - º				Job Completion Status
Basic Information	Design Basis		LRFD	•		
Connection Types	Forces in the r	nodel govern. orce in the model then:	Use the UDL factor			
Forces			Do Not Connect Remaining			
	If EOR has requested beams be connected for min # of ro		<sup>rov</sup> Fill out table	e below		
Advanced	Beam Size	Min # of rows	Use the UDI	factor	DL	
General Information	[Select One]	Add	90% of Factored Beam Shear Yield Capacity			
Minimum Job Requirements			<u>.</u>	Composite vs Non	-Composite beams	LabelNonComposite
Fabricator's Connection Type Preferences				Composite Beams		0.50 •
Fabricator's Detailing Preferences			Non Composite Beams		ams	0.50 •
General Bolt Preferences						hooms reactions based on
Job Requirements for Welds			Where there are short spans for small beams reactions based UDL factors tend to exceed both the capacity and/or are exces Globally or individually input reactions in the model or fill in da			apacity and/or are excessiv
Ontingel				sizes and spans noted below.		
Optional			Vertical shear			
Beam to Beam				W8-<=10'-0-	15	
Beam to Column Flange				W8->10<=15'-0	15	
Beam to Column Web				W10-<=10'-0	20	
Beam to Embed Plate				W10->10<=15'-0	20	
Beam to HSS column				W12-<=10'-0-	25	
Custom Edge Distances				W12->10<=15'-0	25	
Iteration Control				W14-<=10'-0-	30	
Custom Job Costs				W14->10<=15'-0	30	



# Any Questions...

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

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