



Tutorial

Report Designer

29 Jan 2020
Version 5.3

Report designer gives a possibility to completely control structure of your report and easily preview and modify it.

This tutorial demonstrates how to build reports using Report Designer:

- Open predefined project;
- Model Setup Report (First Page, Preface, Materials, Properties, Fem Loads and Constraints);
- Result Report (Content items, Predefined Tables, Add Plots and Tables);
- Number Format, Legend Settings;
- Tables and Plots for Static Stress Check;

Open Project

1

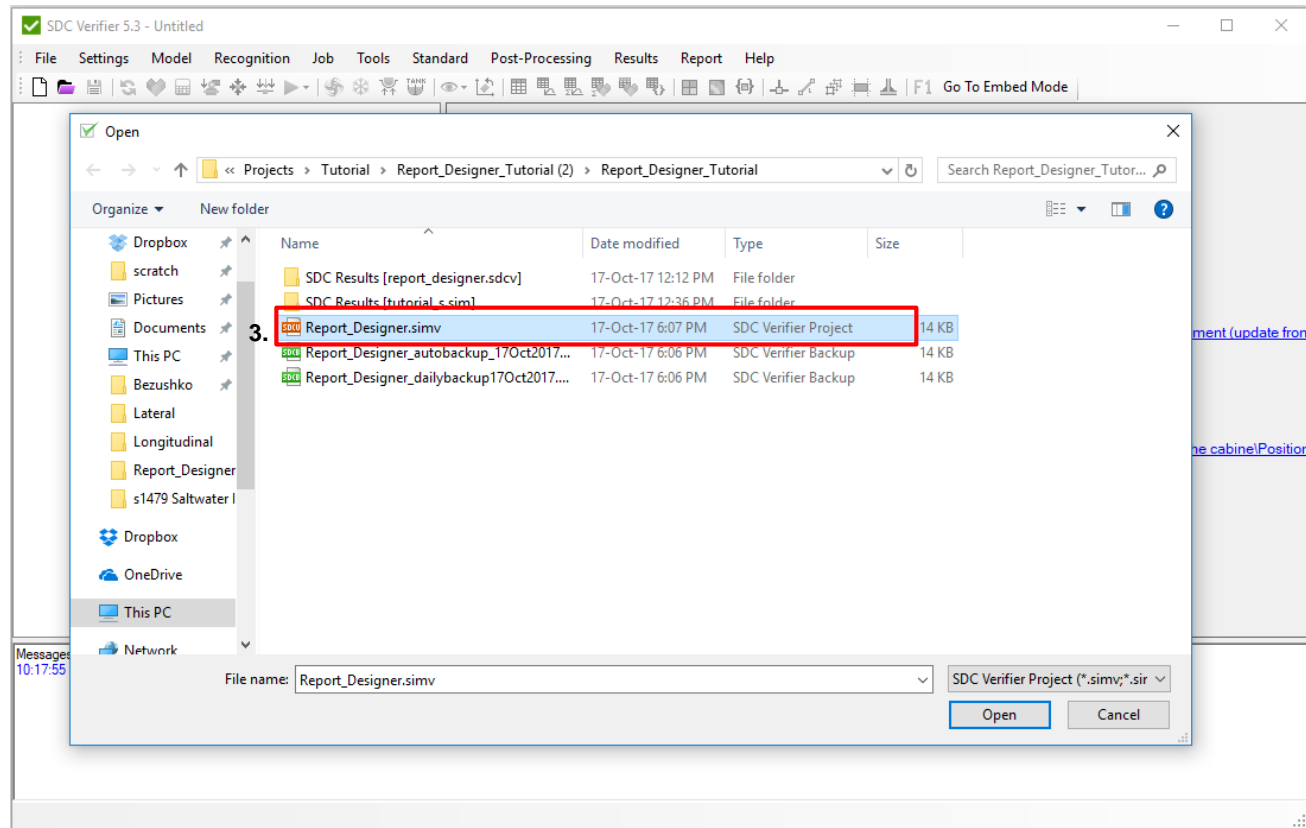
Launch **SDC Verifier** 

2

Execute *File - Open Project*.

3

Project: **Report_Designer.simv**



Predefined project


The screenshot displays the SDC Verifier software interface. On the left, a tree view shows the project settings under 'Jobs (1)' and '1..Job 1'. It includes 'Individual Loads (13)', 'Load Sets (20)', 'Load Groups (1)', 'Fatigue Groups (0)', 'Tables (0)', and 'Plots (0)'. The 'Load Sets' list contains 20 items, such as '1..LC1s_Tip load.1' through '20..LC1s_at_hinge_point.4'. The 'Load Groups' list contains '1..Overall'. The 'Fatigue Groups' list is empty. The 'Tables' list is empty. The 'Plots' list is empty. The 'Standards (1)' section on the right shows '1..Static Check' with 'Input' and 'Checks (1)'. The 'Checks' list contains '1..Static Stress Check'. The central 3D model shows a bridge structure with various components colored: blue for the main span, red for the supports, yellow for the truss, green for the deck, and purple for the bridge deck. A pink cube is on top of the bridge. A coordinate system (x, y, z) is visible at the bottom left of the 3D view.

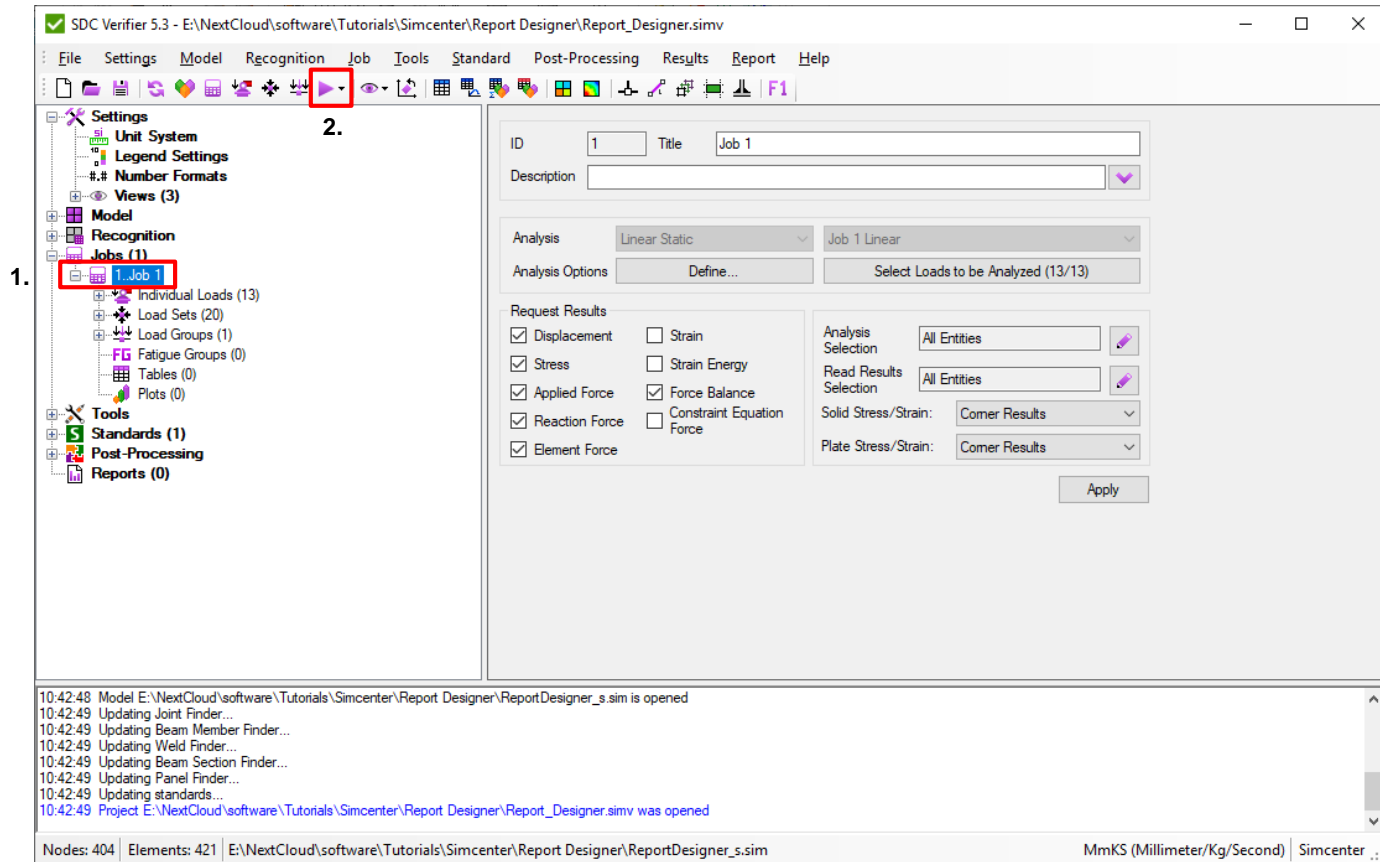
Settings
Model
Recognition
Jobs (1)
1..Job 1
Individual Loads (13)
Load Sets (20)
1..LC1s_Tip load.1
2..LC1s_Tip load.2
3..LC1s_Tip load.3
4..LC1s_Tip load.4
5..LC1s_Middle Bridge.1
6..LC1s_Middle Bridge.2
7..LC1s_Middle Bridge.3
8..LC1s_Middle Bridge.4
9..LC1s_Backside.1
10..LC1s_Backside.2
11..LC1s_Backside.3
12..LC1s_Backside.4
13..LC1s_At_forestay.1
14..LC1s_At_forestay.2
15..LC1s_At_forestay.3
16..LC1s_At_forestay.4
17..LC1s_at_hinge_point.1
18..LC1s_at_hinge_point.2
19..LC1s_at_hinge_point.3
20..LC1s_at_hinge_point.4
Load Groups (1)
1..Overall
Fatigue Groups (0)
Tables (0)
Plots (0)

Standards (1)
1..Static Check
Input
Constants (0)
Types (1)
Characteristic (0)
Classifications (0)
Standard Tables (0)
Checks (1)
1..Static Stress Check

This tutorial use predefined project with the following created data: individual loads, load sets, load groups and static stress check. The focus of this tutorial is on creating report.

Analyze Job

1. Select **1..Job1** in the *Model Tree*.
2. Press  on toolbar to analyze job.



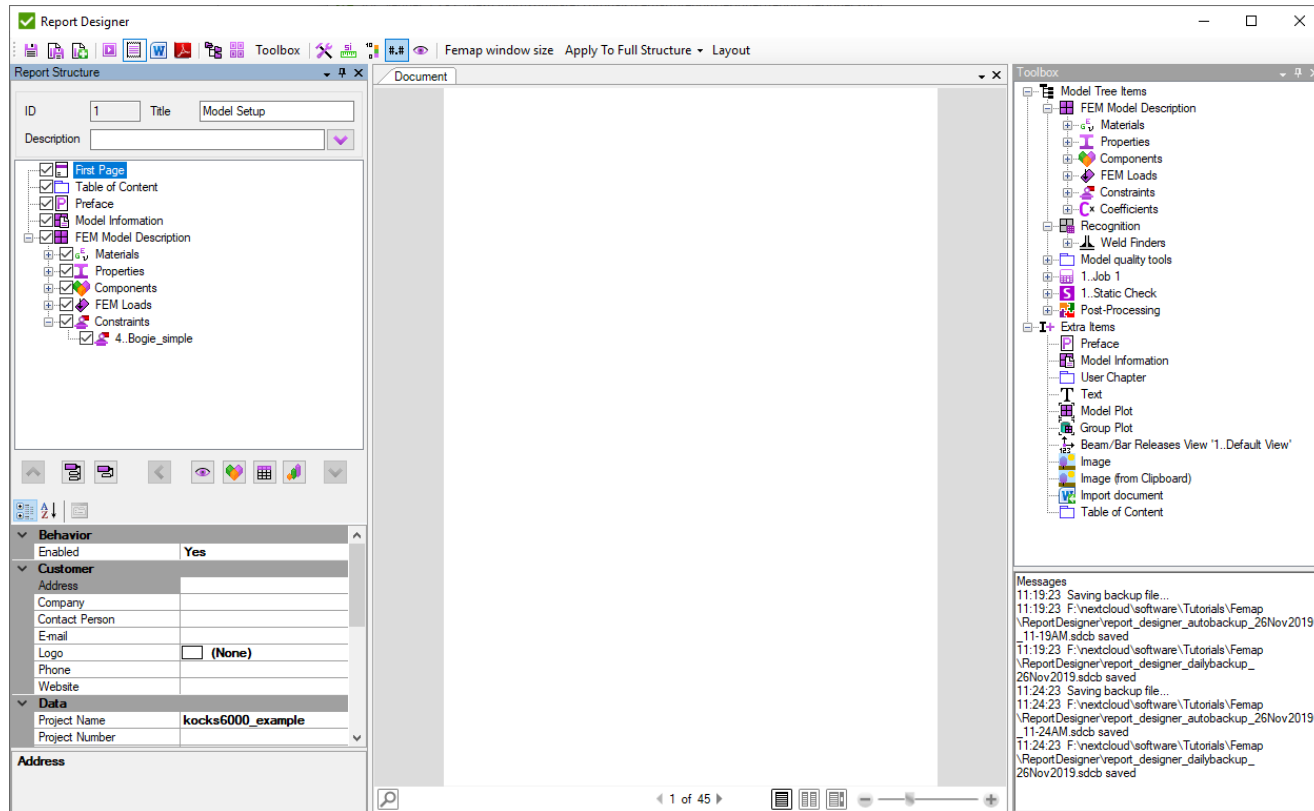
Report Designer Interface

Toolbar – contains main functions

Report Structure – displays structure of the report

Displays properties of selected item. It is possible to modify them.

Toolbox – items that can be added to report using drag & drop.

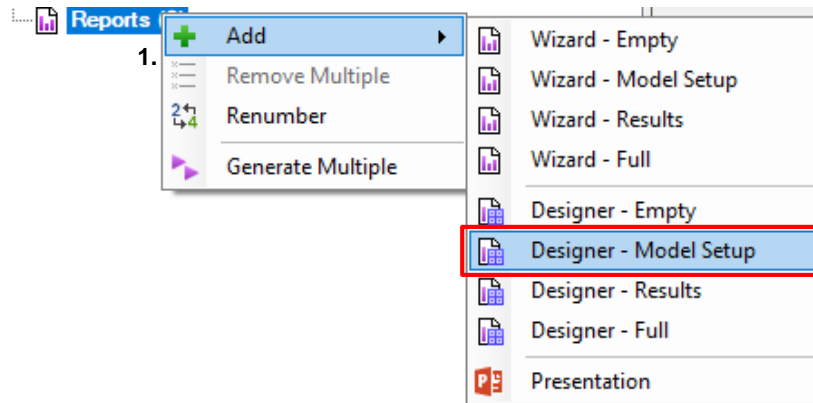


Report document

Add Model Setup Report

1

Execute Reports – Add – Designer -
Model Setup from report context menu



There are 4 templates of reports:

Empty – only first page and preface items are included;


Model Setup – description of model data (materials, properties, components, boundary conditions) is included;


Results – for each load extreme displacement tables, stress and displacement plots are included. Predefined tables: sum of reaction forces, stresses/displacements summary tables;

Full – Model Setup + Results + all tables created in Job.

Editing First Page


1 Execute *Edit* from First Page context menu

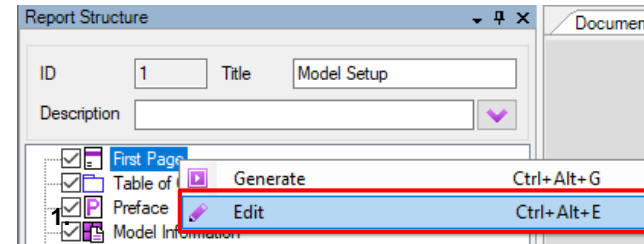
2 Press  and select Support Engineer from the library

3 Press  and select Customer from the library

4 Image – From View: **Selected**


5 Press *OK*.


Note: For engineer and customer the default data from library is used. It is possible to fill in your data and store it to the library  and reuse it in future projects.



First Page Editor


Engineer details

2. **Engineer** Support 




Company SDC Verifier 

E-mail support@sdcsverifier.com

Phone +31 15 30-10-310


Address Zijlvest 25 [...] 

Web Site sdcverifier.com

Logo   


☐ Put logo on report plots


Project Details

Number Version 1 

Name Last_Test


Customer details

3. **Contact Person** customer 




Company company 

E-mail customer@company.com



Phone +31 15 555-55-55


Address Zijlvest 25 [...] 

Web Site company.com

Logo   

Image

☐ From file  

4. ☒ From View 1..Default View 

5. **OK** Cancel

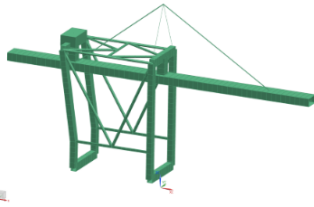
Generate First Page

1

Execute *Generate* from First Page context menu

Model Setup

Report Designer Tutorial



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Engineer:
Customer:
Project Number:
Version:
Date:

Support
customer:
p0001
1
18 Oct 2017

Model Setup

Report Designer Tutorial

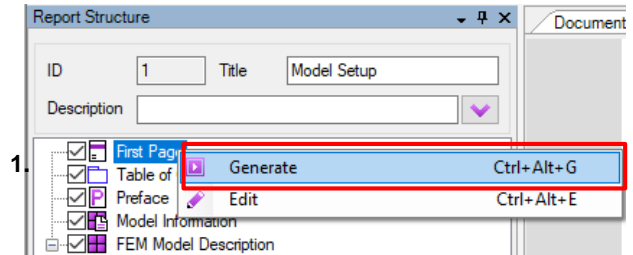


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Engineer:
Customer:
Project Number:
Version:
Date:

Support
customer:
p0001
1
18 Oct 2017



Company name and logo from engineer and customer are used in footer. All pages except first one have the footer.

Report in Report designer

Exported report to Microsoft Word

Generate Preface item

1 Select **Preface** item in report structure

2 Execute *Generate* from context menu

Preface

This document is generated with SDC Verifier 5.3 and calculated with Simcenter v2019.2
Model File: E:\NextCloud\software\Tutorials\Simcenter\Report Designer\ReportDesigner_s.sim
Project File: E:\NextCloud\software\Tutorials\Simcenter\Report Designer\Report_Designer.simv
Report Profile: 1_Model Setup
Generation on: 1/29/2020 11:04:21 AM

Unit System

Current Unit System = MmKS (Millimeter/Kg/Second). It is used in calculations for the following standards: API RP 2A, ISO 19902, Norsok N004, DIN 15018, FEM 1.001 and Eurocode3.

Dimensions	Value
Length	Millimeter
Mass	Kilogram
Time	Second
Force	mN (Millinewton)
Stress	KPa

In first paragraph you can find what versions of SDC Verifier and Femap were used, full path to the model and project files and based on what profile report was generated.

Description on current unit system. It has an influence on calculations according to some standards.

Introduction section – how to use and navigate in the report. By default is OFF.

Exclude Components

1

Select **Components** item in report structure

2

Set option Enables: **No** in property toolbox

Components item (with all sub items) are excluded from report. The Components item will not be generated but remains in report structure. Alternatively it is possible to delete item from context menu or using DEL button on keyboard.

1.

The screenshot shows the SDC Verifier report structure tree. The 'Components' item is highlighted with a red box. Below the tree, the 'Behavior' section is expanded, and the 'Enabled' option is set to 'No'.

Behavior	
Break Page Before	Yes
Enabled	No

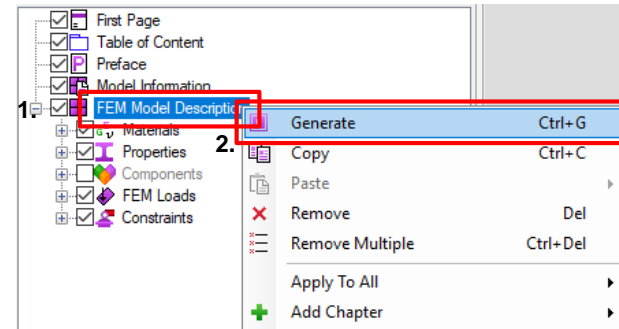
Data	
Title (Default)	Components
Title (User)	

2.

Generate Model Setup items

1 Select **FEM Model Description** item in report structure

2 Execute *Generate* from context menu



Model Entities

This paragraph shows detailed or brief model overview.

Materials

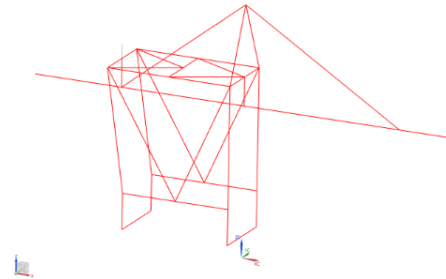
This paragraph contains materials information.

Materials Summary

Title	Elements	Mass	Gravity Center
1..steel	420	1937143.0	[-13846.06; 0.00; 34294.77]
2..Machine_house	1	79999.9	[-35480.00; 0.00; 52000.00]
Overall	421	2017143.0	[-14704.06; 0.00; 34996.96]

1..steel

Property	Value
Elements	420
Mass	1937143.0
Gravity Center	[-13846.06; 0.00; 34294.77]
Young Modulus	2.10e+8
Shear Modulus	0
Poisson Ratio	0.30
Shear	0
Mass Density	9.813e-06
Tensile Strength	0
Yield Stress	0



Material Summary – mass and gravity center overview over materials

Detailed Material description with plot

Material Options

1

Select Material: **1..Steel** in report structure

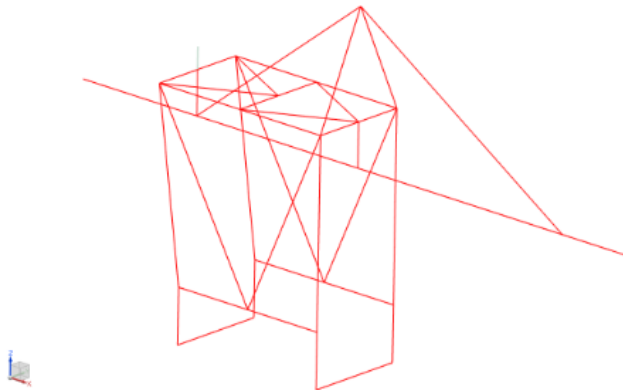
2

Preview Mode: **Display Only Selected**

It is possible to exclude a plot using option – Insert Plot.

2.

▼	Behavior	
	Break Page Before	Yes
	Enabled	Yes
	Insert MinMax	No
	Insert Plot	Yes
▼	Data	
	Selection	All Entities
	Title	1..steel
▼	Plot	
	Preview Mode	DisplayOnlySelected
	View	1..Default View




Preview Mode: Highlight



Preview Mode: Display Only Selected

Create View for Fem Loads

1 Press  to open View Manager

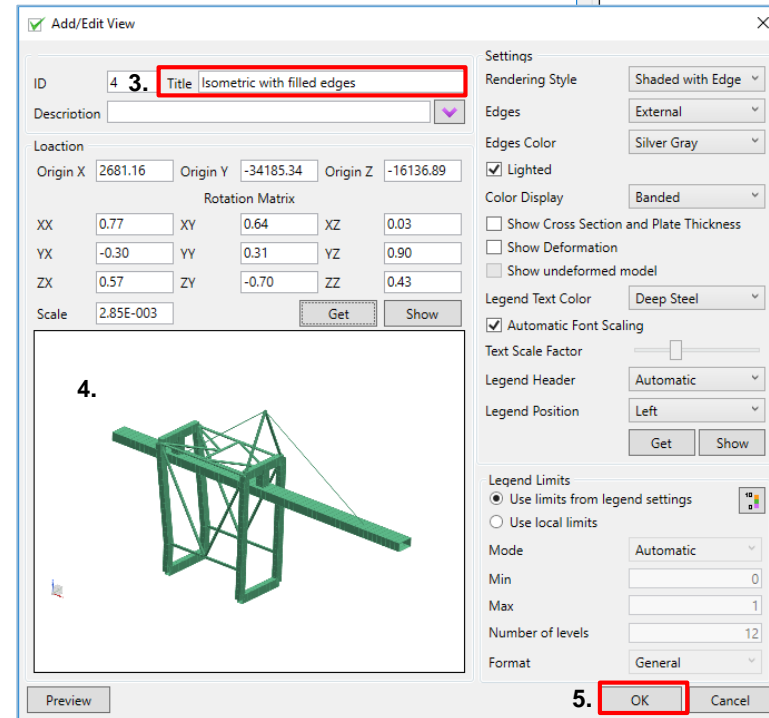
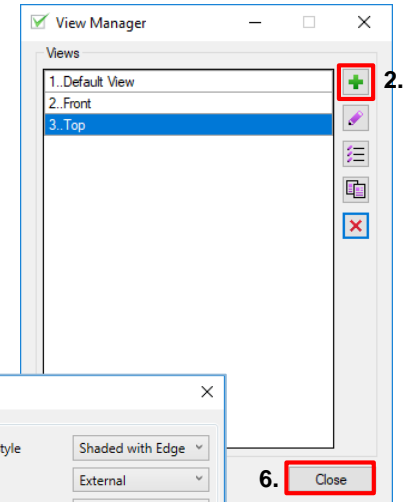
2 Press  to add View

3 Title: ***Isometric with filled edges.***

4 Locate View as shown on picture

5 Press **OK**

6 Press **Close**.



Apply View to all Fem Loads

1

Select **needed component** in report structure

2

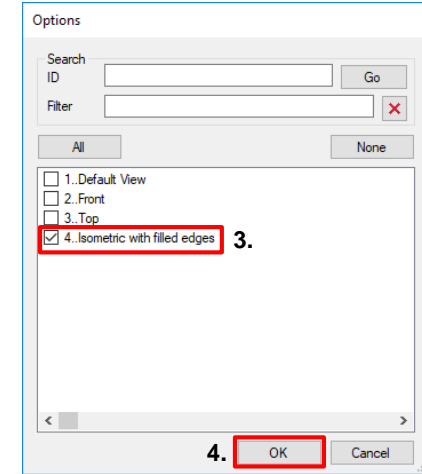
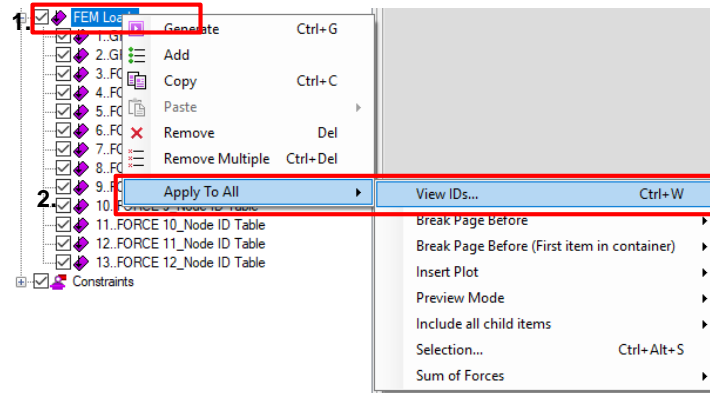
Execute *Apply to All – View IDs* from context menu

3

Select: 4..Isometric with filled edges

4

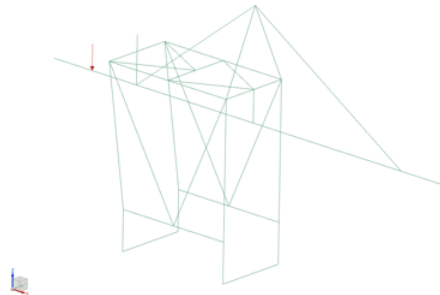
Press *OK*



Apply to All menu helps to change properties (view, selection, break page before, etc.) for multiple items at once.

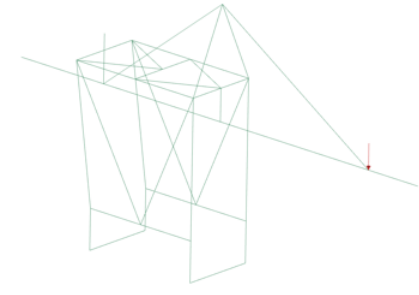
5..back side

Definition	Load Type	Applied On	Values
back side	Node I D Table Force	Nodes: 311;	-1220000 ScalingForce: 1000;



6..At_forestay

Definition	Load Type	Applied On	Values
At_forestay	Node I D Table Force	Nodes: 370;	-1220000 ScalingForce: 1000;



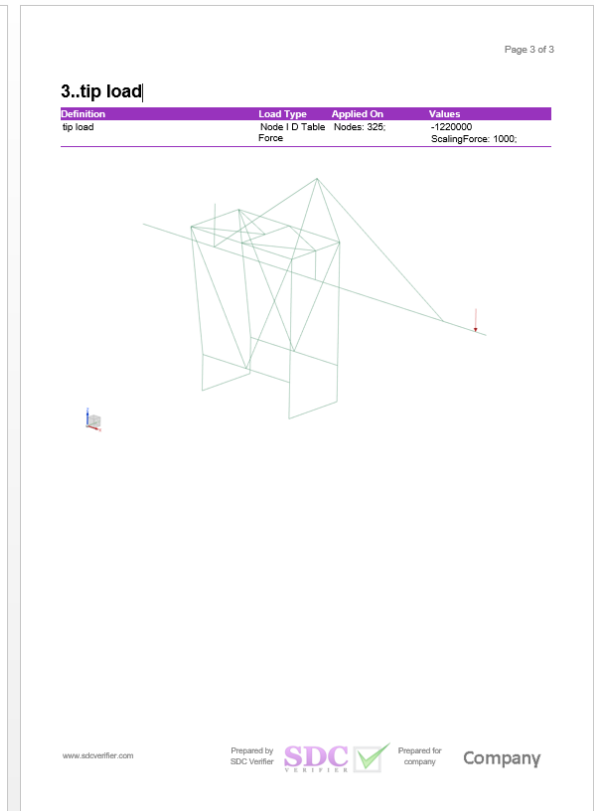
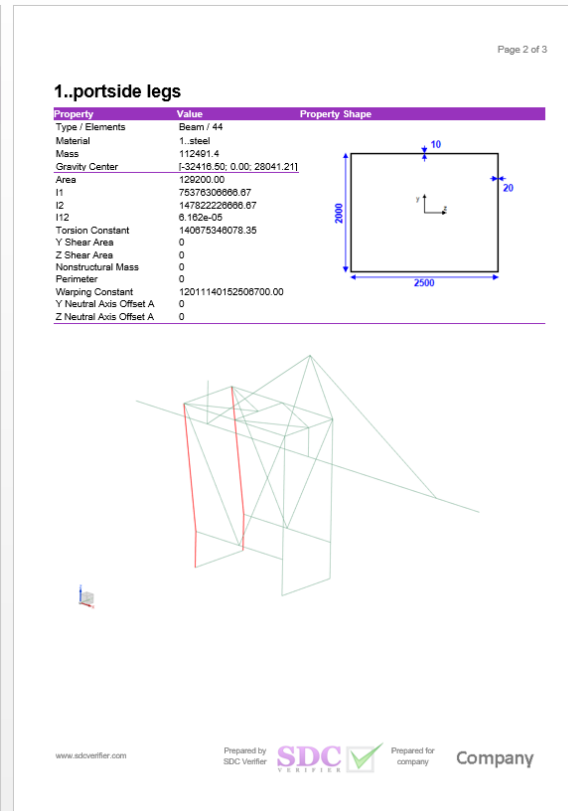
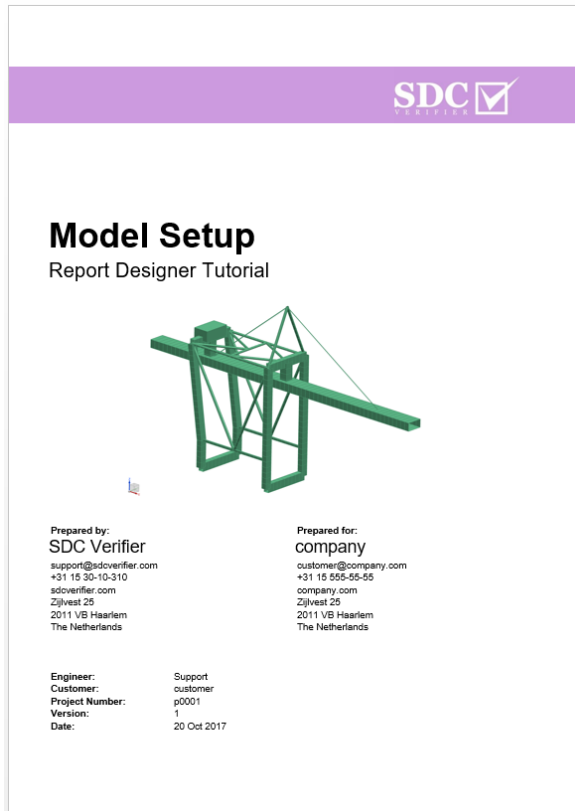
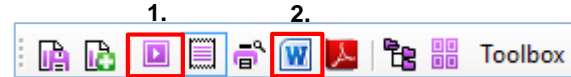
Generate Report

1

Press  to generate report

2

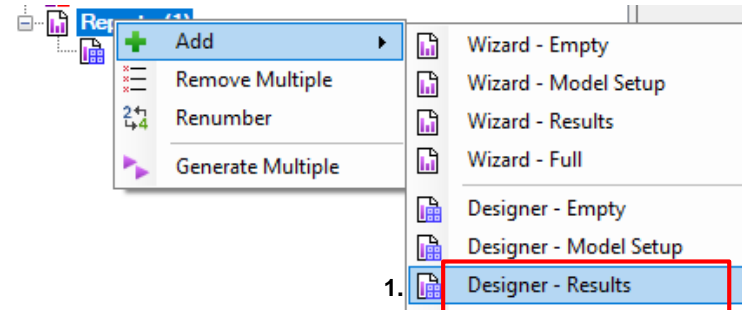
Press  to export report to Word



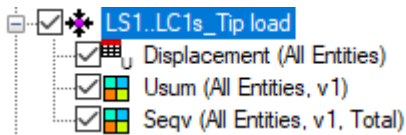
Add Result Report

1

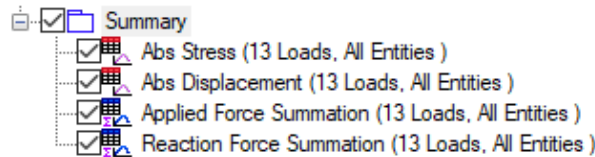
Execute Report – Add – Designer- Results from report context menu



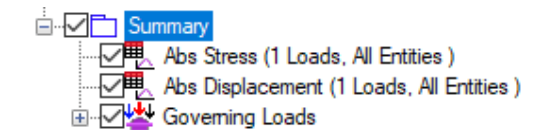
Result report includes predefined items



For each load extreme displacement table, displacement and stress plots are created



For individual loads and load sets the following summary tables are included: applied and reaction forces summation, displacement and stresses over loads

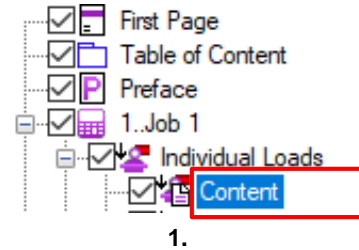


For load groups displacement and stresses over loads tables are included only

Individual Loads Content

1 Select **Content** under Individual Loads item in report structure

2 Execute *Generate* from context menu



Content

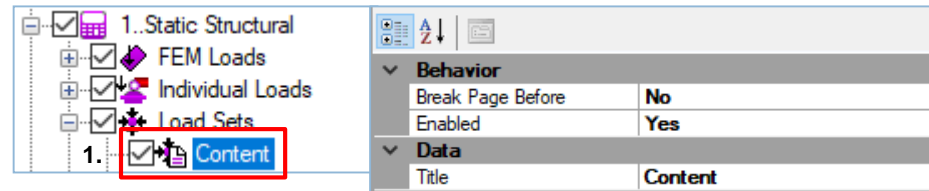
Individual Load [Safety Factor]	FemLoad / Output Set	Constraint
1..gravity [1]	1..gravity	4..Bogie_simple
2..tip load [1]	2..tip load	4..Bogie_simple
3..middle_bridge [1]	3..middle_bridge	4..Bogie_simple
4..back side [1]	4..back side	4..Bogie_simple
5..At_forestay [1]	5..At_forestay	4..Bogie_simple
6..at_hinge_point [1]	6..at_hinge_point	4..Bogie_simple
7..9Trolley_ride [1]	7..9Trolley_ride	4..Bogie_simple
8..tip side_load [1]	8..tip side_load	4..Bogie_simple
9..middle_bridge_side_load [1]	9..middle_bridge_side_load	4..Bogie_simple
10..back side_side_load [1]	10..back side_side_load	4..Bogie_simple
11..At_forestay_side_load [1]	11..At_forestay_side_load	4..Bogie_simple
12..at_hinge_point_side_load [1]	12..at_hinge_point_side_load	4..Bogie_simple
13..Crane_ride [1]	13..Crane_ride	4..Bogie_simple

Content shows what boundary conditions are for Individual Load. If Individual Load was created based on results than Output Set is shown instead of FemLoad.

Load Set Content

1 Select **Content** under Load Sets item in report structure

2 Execute *Generate* from context menu



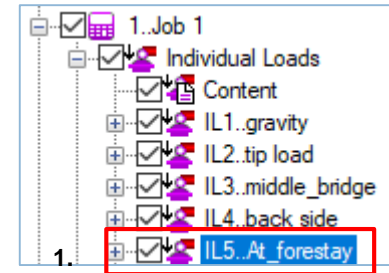
Content

Title	Count	Items
1..LC1s_Tip load.1	5	1..gravity [1.15] 2..tip load [1.35] 7..Trolley_ride [1.15] 8..tip side_load [1.15] 13..Crane_ride [1.15]
2..LC1s_Tip load.2	5	1..gravity [1.15] 2..tip load [1.35] 7..Trolley_ride [1.15] 8..tip side_load [-1.15] 13..Crane_ride [-1.15]
3..LC1s_Tip load.3	5	1..gravity [1.15] 2..tip load [1.35] 7..Trolley_ride [-1.15] 8..tip side_load [1.15] 13..Crane_ride [1.15]
4..LC1s_Tip load.4	5	1..gravity [1.15] 2..tip load [1.35] 7..Trolley_ride [-1.15] 8..tip side_load [-1.15] 13..Crane_ride [-1.15]
5..LC1s_Middle Bridge.1	5	1..gravity [1.15] 3..middle_bridge [1.35] 7..Trolley_ride [1.15] 9..middle_bridge_side_load [1.15] 13..Crane_ride [1.15]

Individual Load Options

1 Select **5..At_forestay** in report structure

2 Execute *Generate* from context menu

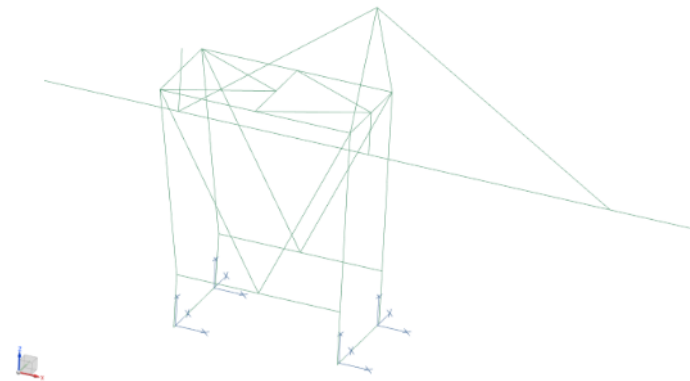


Individual Load '5..At_forestay'

At_forestay.Bogie_simple

Individual Load includes Plot, Content and Sum of Reaction forces. It is possible to control what should be displayed using the Options.

Options	
Include Content	Yes
Plot Forces	Yes
Sum Of Forces	Yes
Plot	
View	1..Default View



Title	Value
Individual Load	5..At_forestay
FemLoad	6..At_forestay
Constraint	1..Bogie_simple
Result Case	Job 1 Linear - At_forestay

Sum of Reaction Forces								
Entity ID	Fx	Fy	Fz	Fsum	Mx	My	Mz	Msum
IL5..At_forestay	0e+3	0e+3	1220000e+3	1220000e+3	0e+3	0e+3	0e+3	0e+3

Number Formats

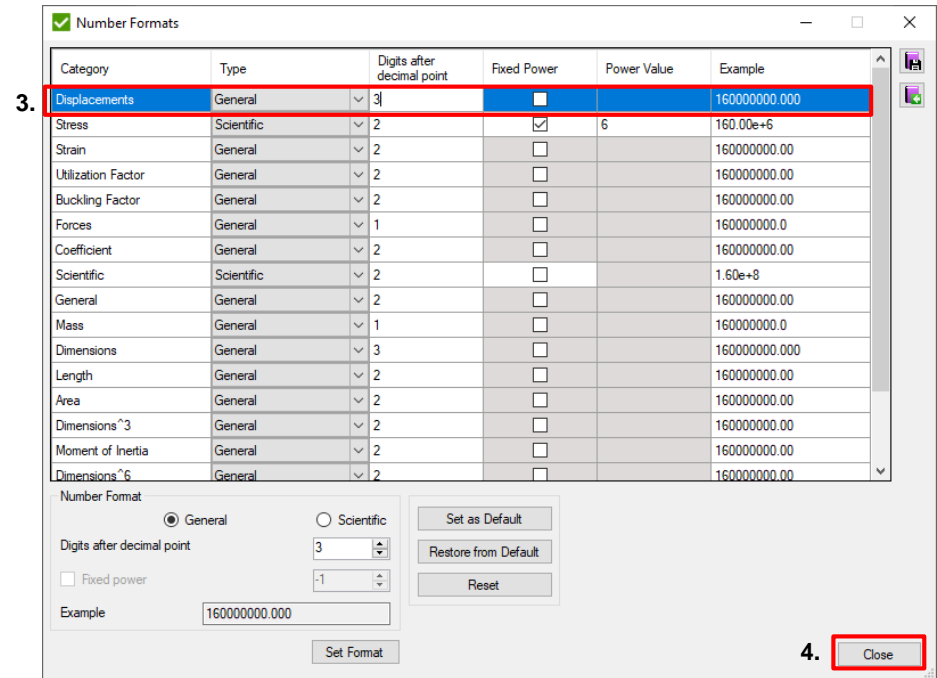
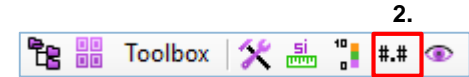
1. Generate **Displacement (All Entities)** under load **5..At_forestay**

2. Press **##** to open Number Formats

3. Digits after decimal point: **3** for Displacement category

4. Press *Close*

5. Execute *Generate* from context menu



Displacement (All Entities)

Individual Load Type	5..At_forestay Extreme	Selection Parameter			All Entities Displacement				
Extreme	Ux	Uy	Uz	Usum	Rx	Ry	Rz	Rsum	
Minimum	-0.01	-4.13	-113.57	0.00	0.00	0.00	0.00	0.00	0.00
Maximum	30.30	4.13	13.28	113.57	0.00	0.00	0.00	0.00	0.00
Absolute	30.30	4.13	-113.57	113.57	0.00	0.00	0.00	0.00	0.00

Digits after decimal point = 2

Displacement (All Entities)


Individual Load Type	5..At_forestay Extreme	Selection Parameter			All Entities Displacement				
Extreme	Ux	Uy	Uz	Usum	Rx	Ry	Rz	Rsum	
Minimum	-0.007	-4.130	-113.568	0.000	0.000	0.000	0.000	0.000	0.000
Maximum	30.297	4.130	13.279	113.568	0.000	0.000	0.000	0.000	0.000
Absolute	30.297	4.130	-113.568	113.568	0.000	0.000	0.000	0.000	0.000

Digits after decimal point = 3

Number Formats controls how numbers are displayed in tables for different categories. It is possible to save settings to library and reuse in another projects.

Legend Settings

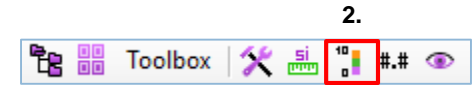
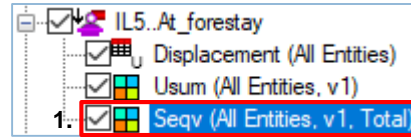
1. Select **Seqv (All Entities. V1. Total)** table under load **5..At_forestay**

2. Press  to open Legend Settings

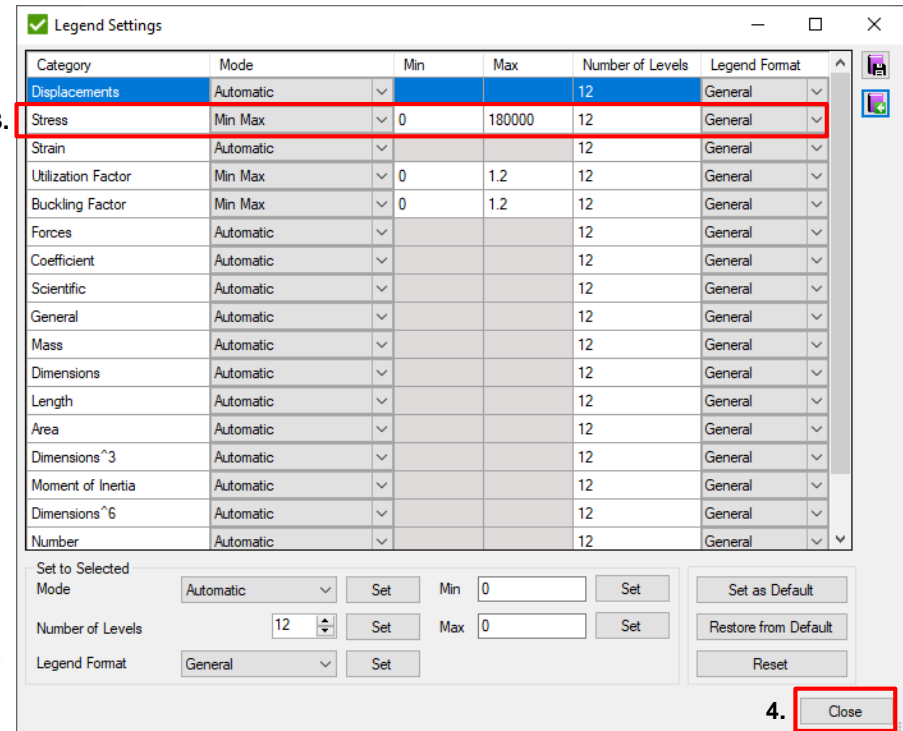
3. Max: **180e+3** for Stress category

4. Press *Close*

5. Execute *Generate* from context menu

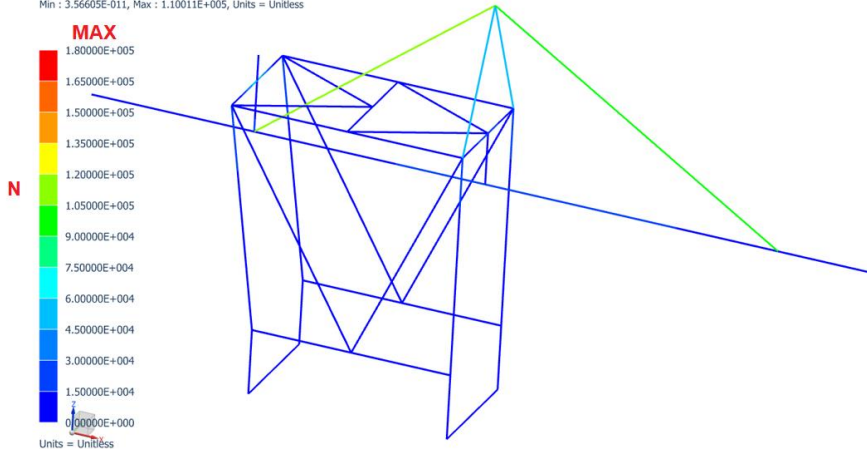



3.



4.

Tutorial_s : Job 1 Linear Result
SdcData, Static Step 1
Members - Elemental, Scalar
Formula Used : SdcExpression
Min : 3.56605E-011, Max : 1.10011E+005, Units = Unitless



Legend Settings controls legend options for different categories. It is possible to save settings to the library and reuse in another projects. 

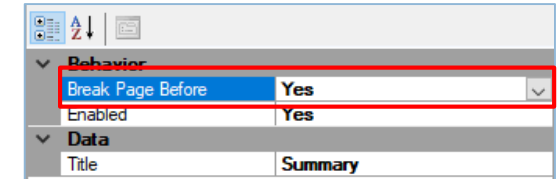
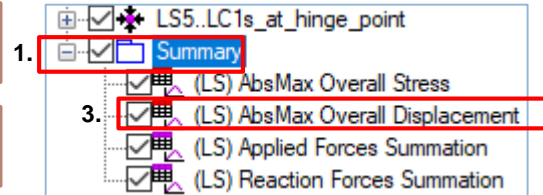
Stress and displacement tables over loads

1 Select **Summary** under Load Sets item

2 Execute *Generate* from context menu

3 Select **(LS) AbsMax Overall Displacement**

4 Break Page Before: **Yes**



Stress and displacement extreme flow tables give nice results overview among loads. For each direction min and max values are highlighted. Min = aqua, Max = red.

Category	Stress	Loads Count	20
Type	Extreme Flow Table	Selection	All Entities
Load	X	Y	Z
LS1..LC1s_Tip load.1	-0.17640e+0	0.14739e+0	0.29479e+0
LS2..LC1s_Tip load.2	-0.17640e+0	0.14739e+0	0.29479e+0
LS3..LC1s_Tip load.3	-0.17299e+0	0.14805e+0	0.29610e+0
LS4..LC1s_Tip load.4	-0.17299e+0	0.14805e+0	0.29610e+0
LS5..LC1s_Middle Bridge.1	-0.11311e+0	0.04717e+0	0.11311e+0
LS6..LC1s_Middle Bridge.2	-0.11513e+0	0.04782e+0	0.11513e+0
LS7..LC1s_Middle Bridge.3	-0.11513e+0	0.04782e+0	0.11513e+0
LS8..LC1s_Middle Bridge.4	-0.11513e+0	0.04782e+0	0.11513e+0
LS9..LC1s_Backside.1	0.13982e+0	0.04895e+0	0.13982e+0
LS10..LC1s_Backside.2	0.13982e+0	0.04895e+0	0.13982e+0
LS11..LC1s_Backside.3	0.14297e+0	0.04901e+0	0.14297e+0
LS12..LC1s_Backside.4	0.14297e+0	0.04901e+0	0.14297e+0
LS13..LC1s_At_forestary.1	-0.14801e+0	0.12290e+0	0.24508e+0
LS14..LC1s_At_forestary.2	-0.14801e+0	0.12290e+0	0.24508e+0
LS15..LC1s_At_forestary.3	-0.14459e+0	0.12364e+0	0.24720e+0
LS16..LC1s_At_forestary.4	-0.14459e+0	0.12364e+0	0.24720e+0
LS17..LC1s_at_hinge_p.oint.1	0.14853e+0	0.05102e+0	0.14853e+0
LS18..LC1s_at_hinge_p.oint.2	0.14842e+0	0.05102e+0	0.14842e+0
LS19..LC1s_at_hinge_p.oint.3	0.14522e+0	0.05167e+0	0.14522e+0
LS20..LC1s_at_hinge_p.oint.4	0.14510e+0	0.05167e+0	0.14510e+0

Category	Displacement	Loads Count	20
Type	Extreme Flow Table	Selection	All Entities
Load	Ux	Uy	Uz
LS1..LC1s_Tip load.1	73.432	-110.581	-352.235
LS2..LC1s_Tip load.2	73.432	-110.581	-352.235
LS3..LC1s_Tip load.3	59.309	-110.581	-351.471
LS4..LC1s_Tip load.4	59.309	-110.581	-351.471
LS5..LC1s_Middle Bridge.1	-32.791	57.056	-79.070
LS6..LC1s_Middle Bridge.2	-32.791	57.056	-79.070
LS7..LC1s_Middle Bridge.3	-44.333	57.056	-78.314
LS8..LC1s_Middle Bridge.4	-44.333	57.056	-78.314
LS9..LC1s_Backside.1	-31.545	49.855	-143.373
LS10..LC1s_Backside.2	-31.545	49.855	-143.373
LS11..LC1s_Backside.3	-43.087	49.804	-141.581
LS12..LC1s_Backside.4	-43.087	49.804	-141.581
LS13..LC1s_At_forestary.1	59.386	-100.397	-238.905
LS14..LC1s_At_forestary.2	59.386	-100.397	-238.905
LS15..LC1s_At_forestary.3	45.203	-100.397	-238.141
LS16..LC1s_At_forestary.4	45.203	-100.397	-238.141
LS17..LC1s_at_hinge_p.oint.1	-32.124	66.708	-88.849
LS18..LC1s_at_hinge_p.oint.2	-31.968	67.300	-88.849
LS19..LC1s_at_hinge_p.oint.3	-43.666	66.708	-88.084
LS20..LC1s_at_hinge_p.oint.4	-43.510	67.300	-88.084

Stresses for all load sets

Displacements for all load sets

Reaction Forces

1 Select **(LS) Reaction Forces Summation** under Summary

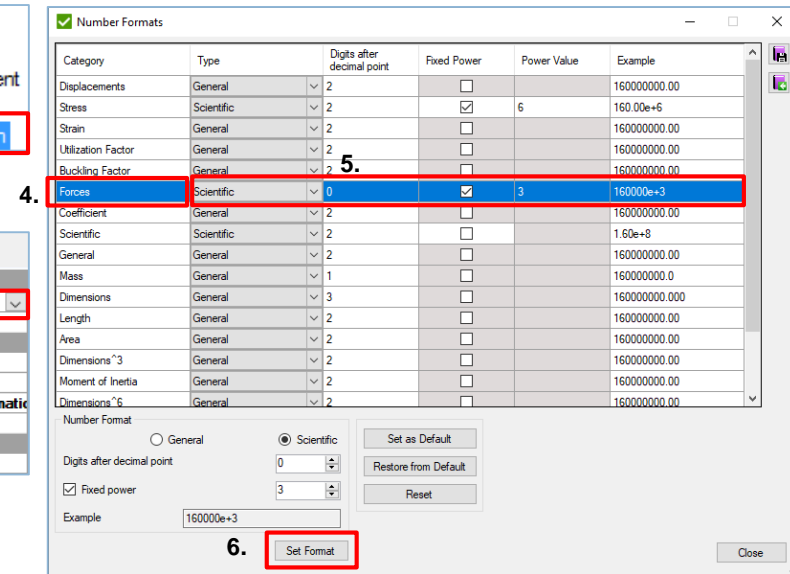
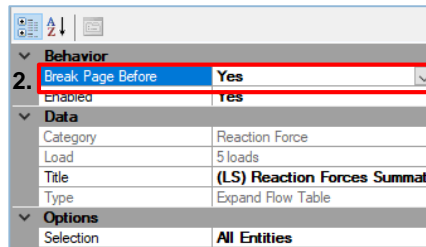
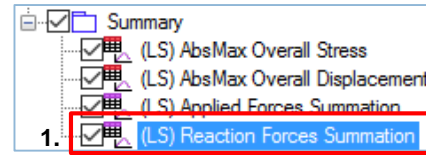
2 Break Page Before: **Yes**

3 Press **##** to open Number Format

4 Select category **Forces**

5 Scientific: **ON**
Digits after decimal point: **0**
Fixed Power: **ON**
Fixed Power Value: **3**

6 Press **Set Format**



(LS) Reaction Forces Summation

Category Type	Absolute Reaction Force			Loads Count		20		All Entities	
	Expand Flow Table			Selection					
Entity ID	Fx	Fy	Fz	Fsum	Mx	My	Mz	Msum	
LS1..LC1s_Tip load.1	-22309996 8	-83570329 6	244033883 68	244126843 77	0	0	0	0	0
LS2..LC1s_Tip load.2	-22310000 0	635703296	244033883 68	244126843 78	0	0	0	0	0
LS3..LC1s_Tip load.3	223100000	-83570329 6	244033883 68	244126843 78	0	0	0	0	0
LS4..LC1s_Tip load.4	223100000	635703296	244033883 68	244126843 78	0	0	0	0	0
LS5..LC1s_Middle Bridge.1	-22309996 4	-83570329 6	244033884 16	244126864 25	0	0	0	0	0




(LS) Reaction Forces Summation

Category Type	Absolute Reaction Force			Loads Count		20		All Entities	
	Expand Flow Table			Selection					
Entity ID	Fx	Fy	Fz	Fsum	Mx	My	Mz	Msum	
LS1..LC1s_Tip load.1	-223100e+3	-835703e+3	24403388e+3	24412684e+3	0e+3	0e+3	0e+3	0e+3	0e+3
LS2..LC1s_Tip load.2	-223100e+3	635703e+3	24403388e+3	24412684e+3	0e+3	0e+3	0e+3	0e+3	0e+3
LS3..LC1s_Tip load.3	223100e+3	-835703e+3	24403388e+3	24412684e+3	0e+3	0e+3	0e+3	0e+3	0e+3
LS4..LC1s_Tip load.4	223100e+3	635703e+3	24403388e+3	24412684e+3	0e+3	0e+3	0e+3	0e+3	0e+3
LS5..LC1s_Middle Bridge.1	-223100e+3	-835703e+3	24403388e+3	24412686e+3	0e+3	0e+3	0e+3	0e+3	0e+3

Number format from general is changed to scientific with fixed power = 3. The numbers became more readable.

Add Extreme Stress Tables

1 Press  to open tables window

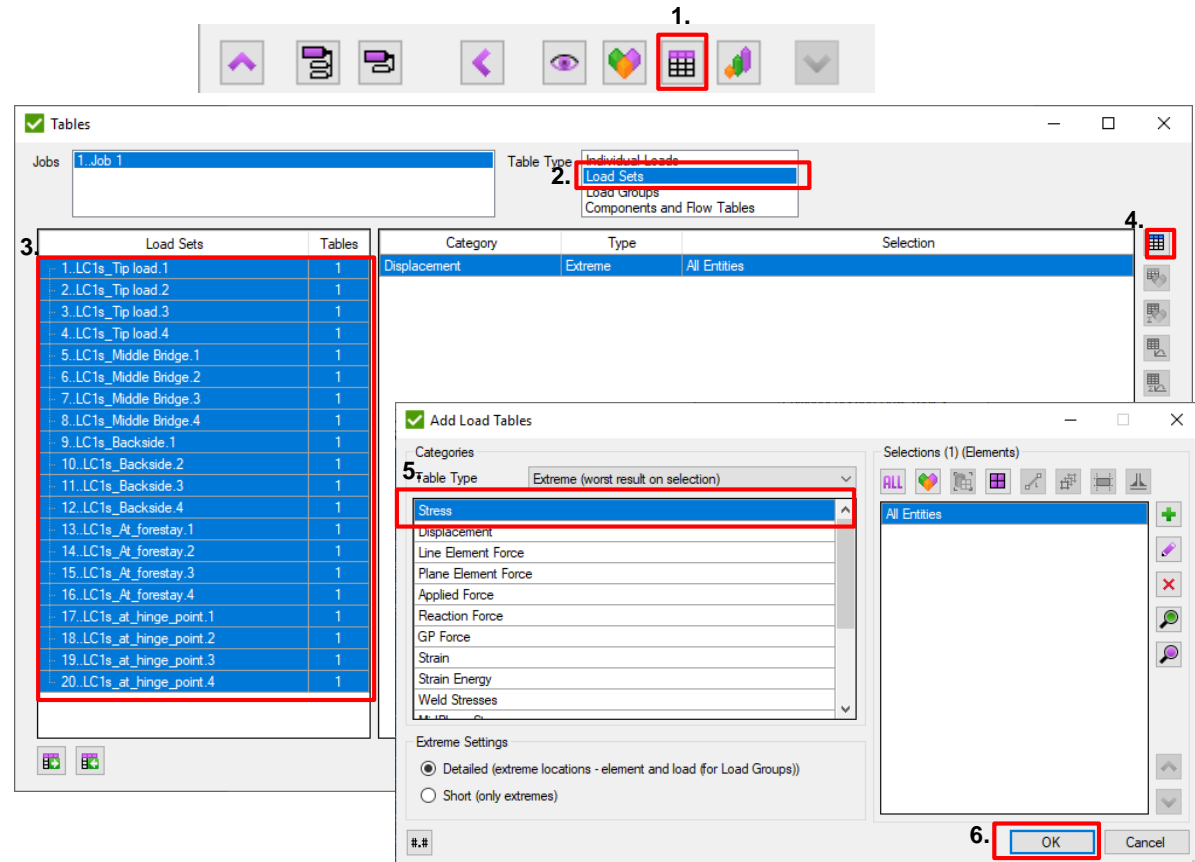
2 Table type: **Load Sets**

3 Select all Load Sets



4 Press  to add table

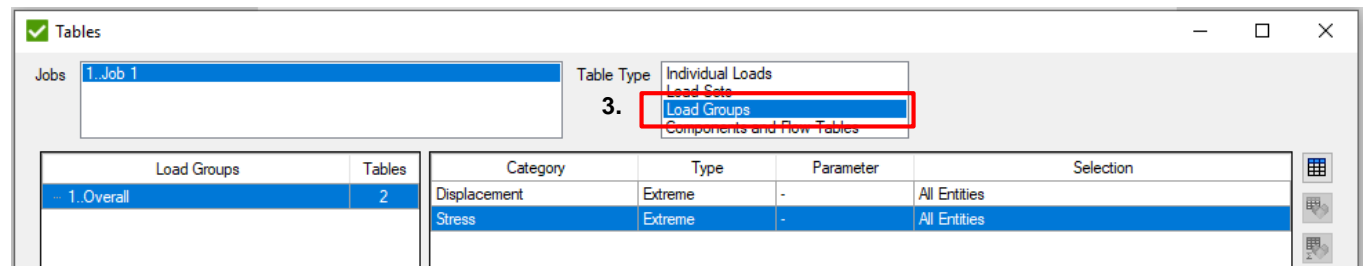
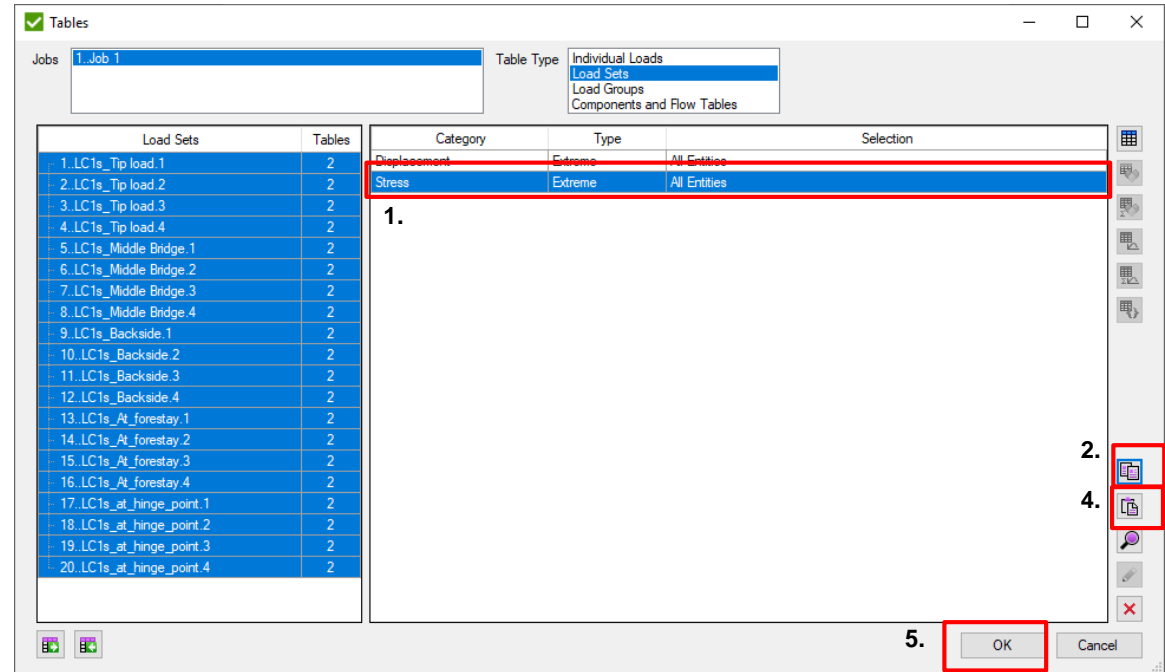
5 Categories: **Stress**

6 Press **OK**



Copy Table to Load Group

- 1 Select Extreme Stress Table
- 2 Press  to copy table to clipboard
- 3 Table Type: **Load Group**
- 4 Press  to paste table from clipboard
- 5 Press *OK*

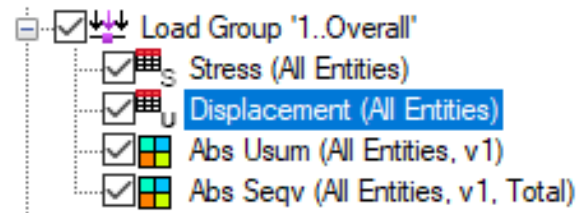
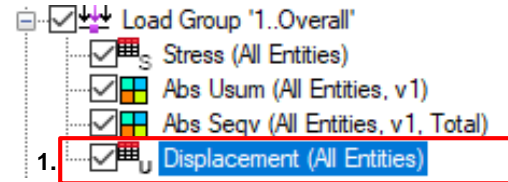


Move item in the structure


1 Select **Displacement (All Entities)**

2 Press  twice to move item up


It is possible to use keyboard short-cut to move items:
Ctrl + and Ctrl -.



Add plots for Load Group

1 Press  to add plots

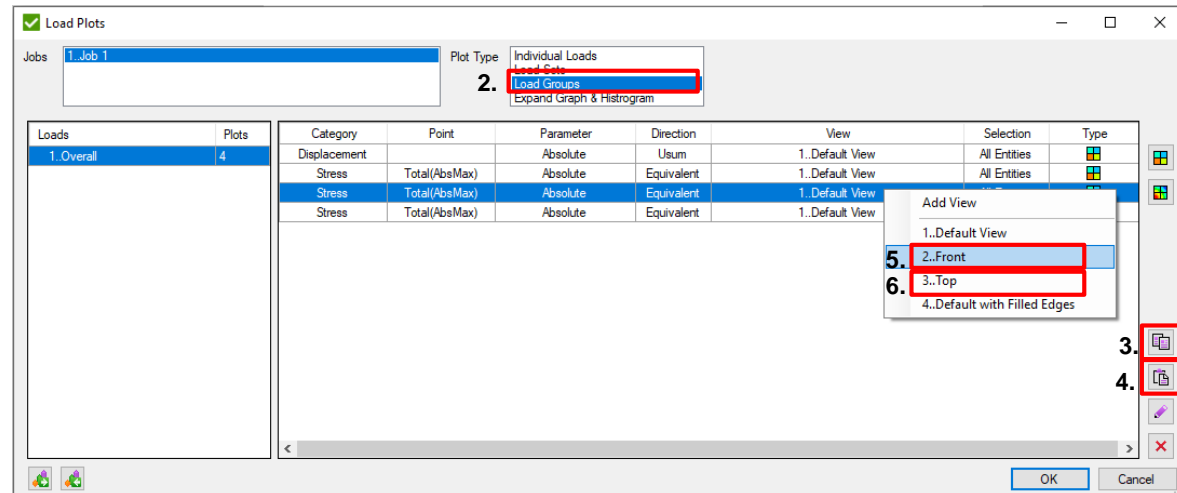
2 Table Type: **Load Group**





3 Press  to copy plot to clipboard

4 Press  twice to paste 2 plots.

5 For third plot set View = **2..Front** using context menu (on top of View column)

6 For fourth plot set View = **3..Top** using context menu



Category	Point	Parameter	Direction	View	Selection	Type
Displacement		Absolute	Usum	1..Default View	All Entities	
Stress	Total(AbsMax)	Absolute	Equivalent	1..Default View	All Entities	
Stress	Total(AbsMax)	Absolute	Equivalent	2..Front	All Entities	
Stress	Total(AbsMax)	Absolute	Equivalent	3..Top	All Entities	

It is possible to modify views/selection/parameter for few plots at once using context menus on top of correspondent column.

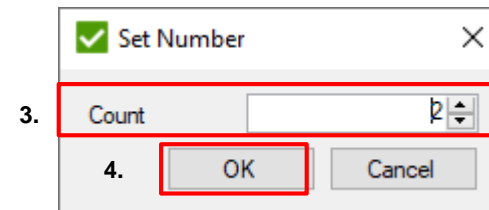
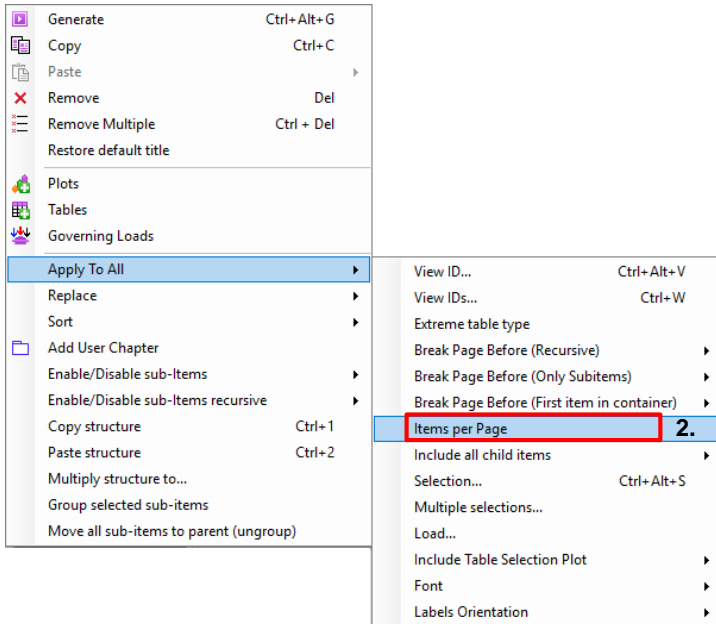
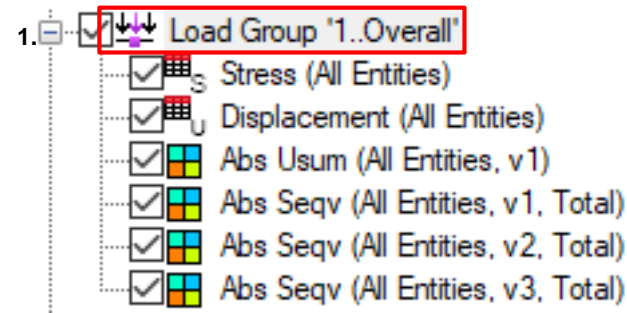
Apply to all – 2 items per page

1 Select: **1..Overall** under Load Groups

2 Execute Apply to All – Items per Page

3 Count: 2

4 Press **OK**



Add table for Static Stress Check

1 Select **Static Stress Check**

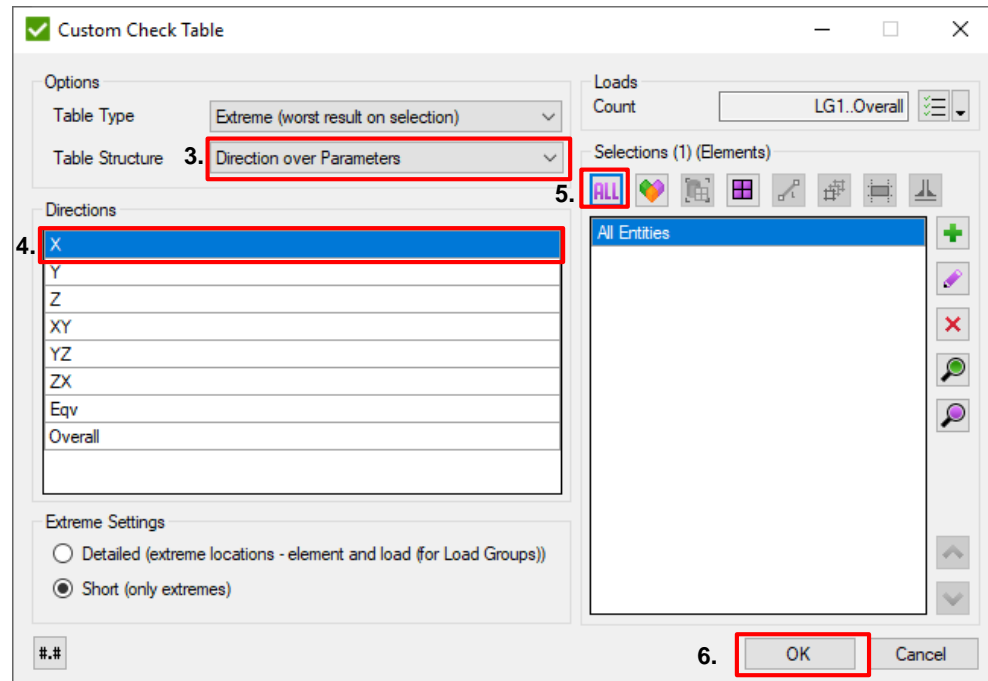
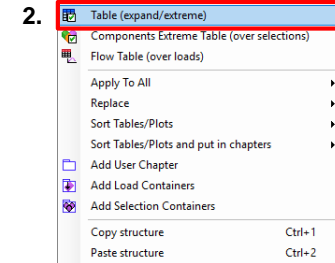
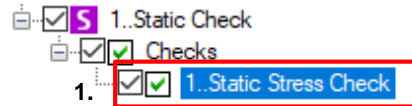
2 Execute Tables from context menu

3 Select **Direction over Parameters**

4 Direction: **X**

5 Press **ALL** to add full model selection

6 Press **OK**



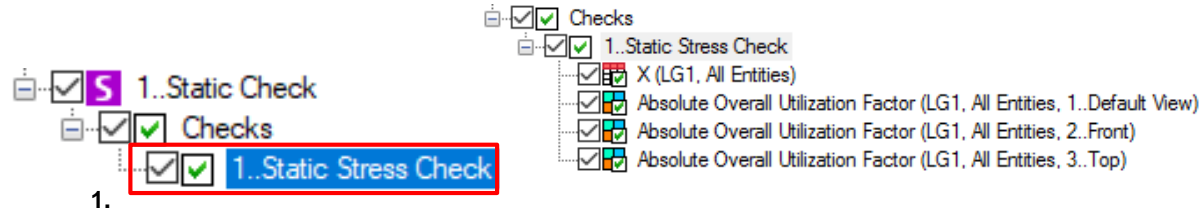
Add Plot for Static Stress check

1 Select **Static Stress Check**

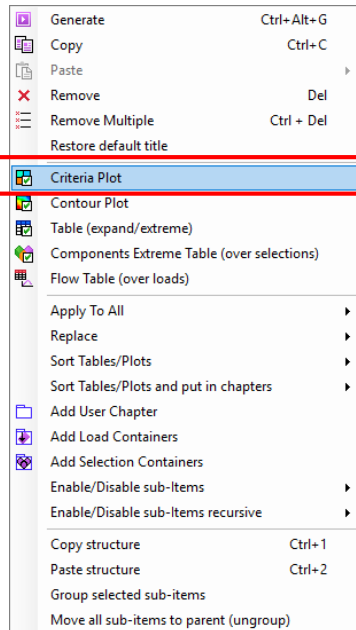
2 Execute **Criteria Plot** from context menu

3 Select Views with IDs 1-3.

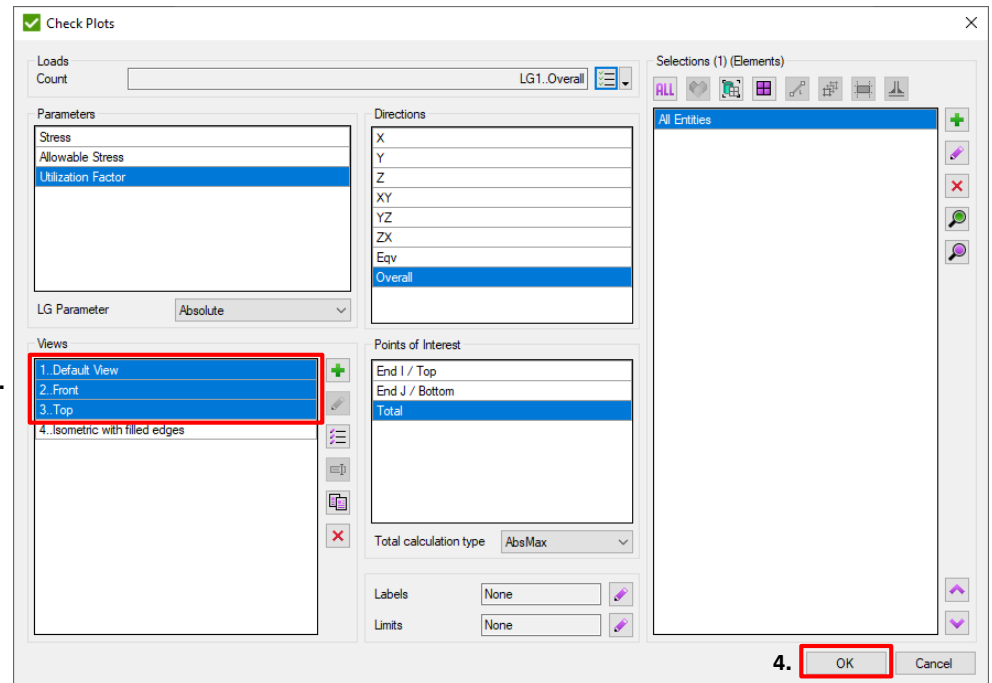
4 Press **OK**



2.

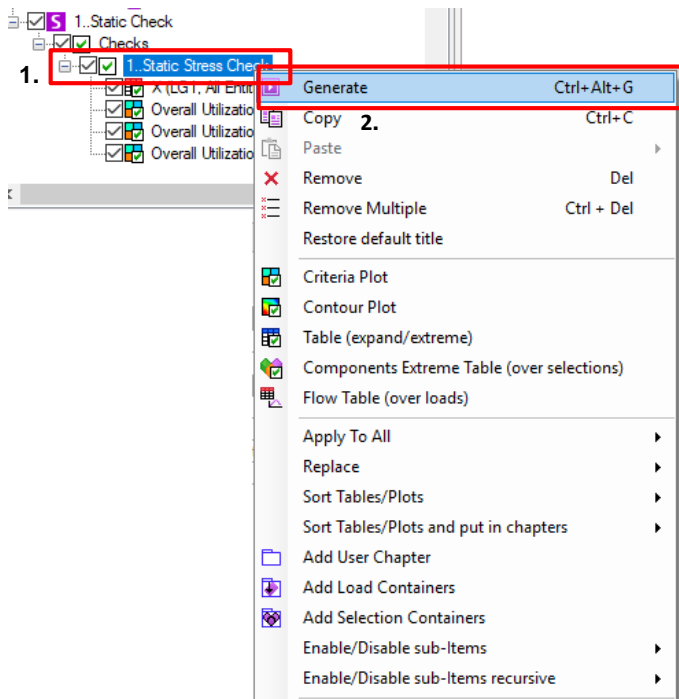


3.



Generate Static Stress Check results

- 1 Select **Static Stress Check**
- 2 Execute *Generate* from context menu

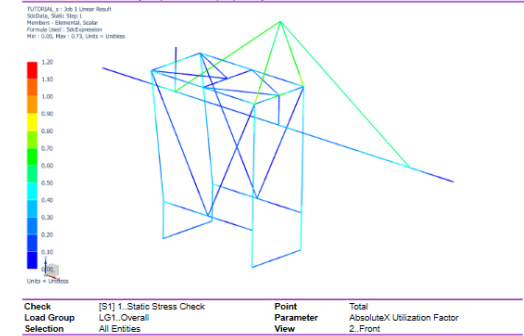


1..Static Stress Check

Property	Value
Category	Elemental Custom Check
Selection	All Entities
Parameters	3

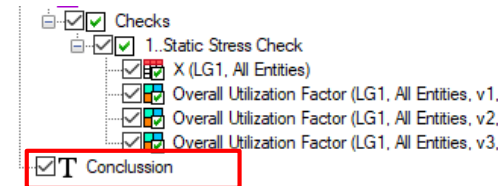
X (LG1, All Entities)			
Standard	1..Static Check	Check Selection	[S1] 1..Static Stress Check
Load Group	LG1: Overall	All Entities	All Entities
Extreme	Stress	Allowable Stress	Utilization Factor
Minimum			
Value	-0.18e+0	0.24e+0	0.00
Element ID	253	1	254
Load	LS2	LS20	LS20
Maximum			
Value	0.15e+0	0.24e+0	0.73
Element ID	252	1	253
Load	LS17	LS20	LS2
Absolute			
Value	-0.18e+0	0.24e+0	0.73
Element ID	253	1	253
Load	LS2	LS20	LS2

Abs X Utilization Factor (LG1, All Entities, v2, Total)

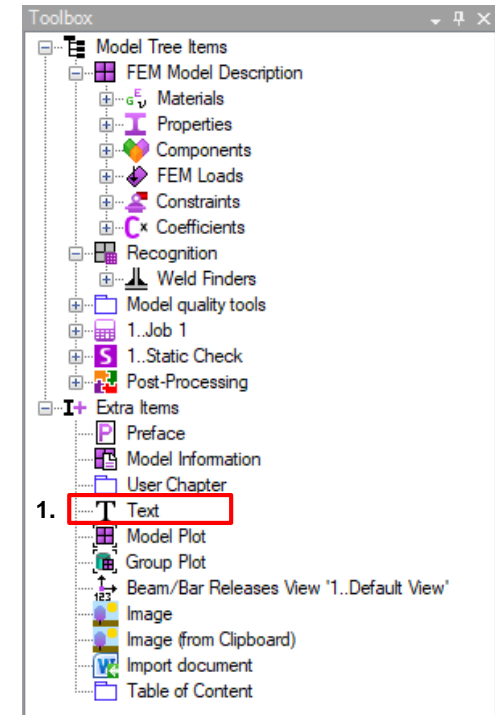


Add Conclusion

- 1 Select Text item in report toolbox
- 2 Add Text item to report using Drag & drop
- 3 Title: **Conclusion**
- 4 Text: **In this tutorial we have created 2 reports using Report Designer**



2.



1.

Behavior		
Break Page Before		No
Enabled		Yes
Data		
Style		Normal
Text		In this tutorial we have create
Title (Default)		Text
Title (User)		Conclusion
Options		
Show Title		Yes

4.


3.

Generated report

1

Press  to generate report

2

After generation is finished press  to export generated report to Word

1.

2.

