



# **Get started with SDC Verifier**

13 Jan 2020  
version 5.3

SDC Verifier is a powerful Simcenter add-on that helps verify structures according to standards and generates full calculations reports.

This step-by-step tutorial is designed to *get you started* with main SDC Verifier features:

- ▶ Creating new project;
- ▶ Create Individual Loads, Combinations and Envelop;
- ▶ Define Views;
- ▶ Model Setup report;
- ▶ Calculation report;
- ▶ Open as template feature;

# Create new project

1 Launch **SDC Verifier 5.3 for Simcenter** ✓

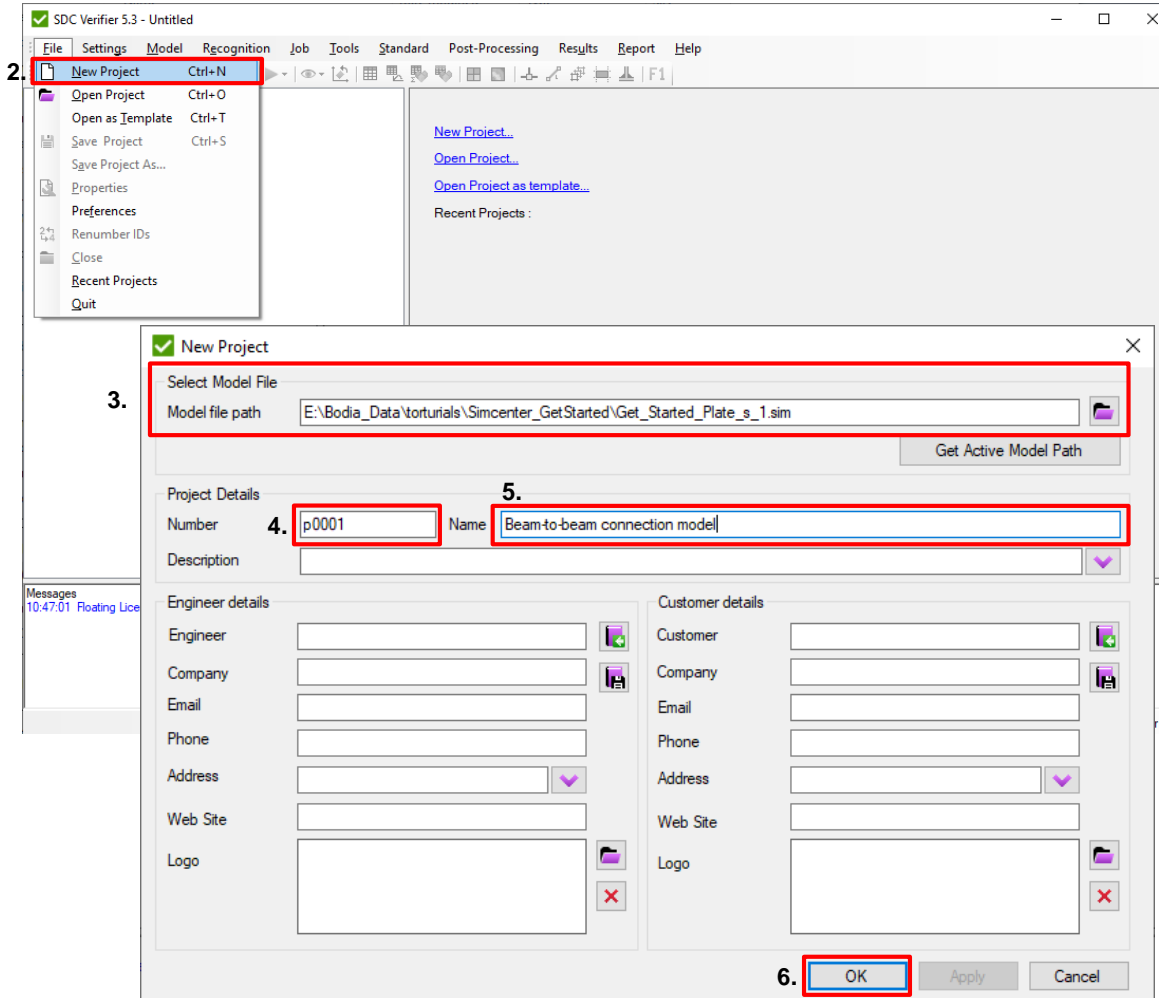
2 Execute *File - New Project*.

3 Press  and select ***Get\_Started\_Plate\_s\_1.sim*** model.

4 Number: **p0001**

5 Name: **Beam-to-beam connection model**

6 Press *OK*



# Job explanation

1

Title: **Linear Static Analysis.**

2

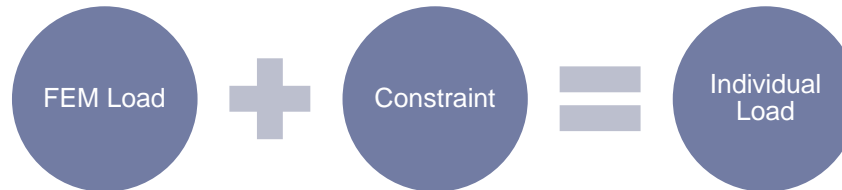
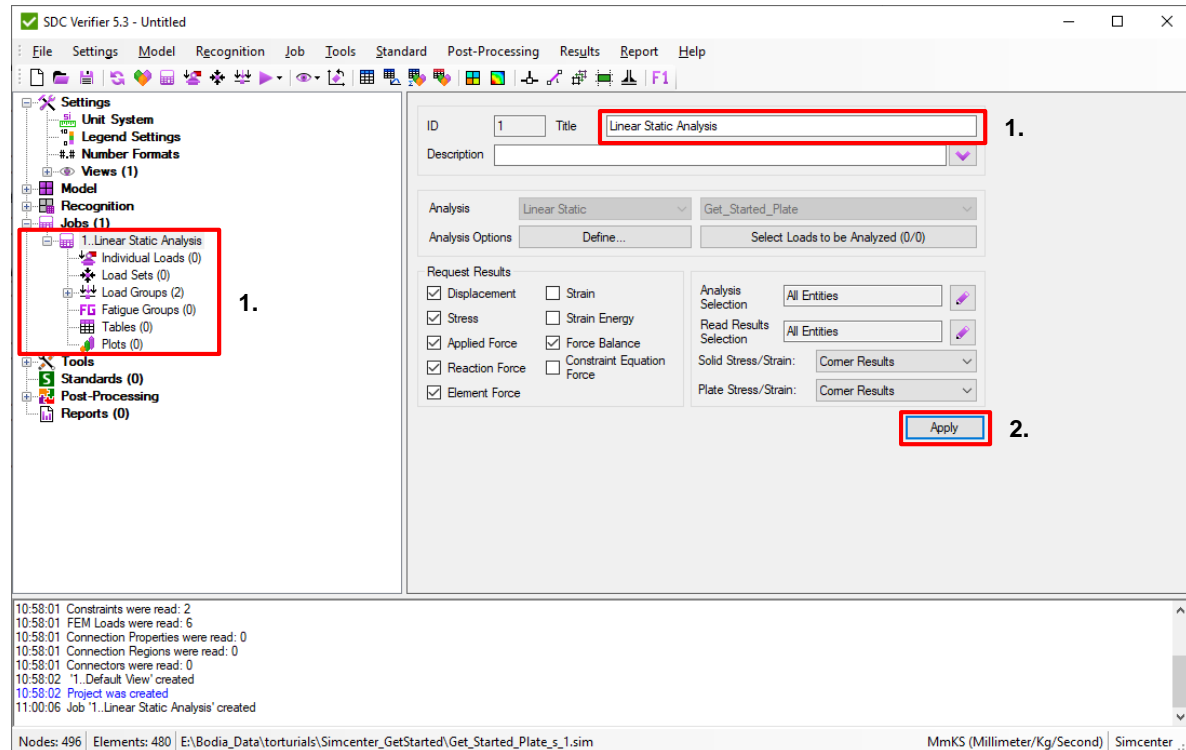
Press *Apply*.

Job – calculation set that contains analysis with options, boundary conditions, load combinations, envelopes and tables/plots.

Individual Loads = FEM load + Constraint.  
Boundary condition + Output Set;

Load Sets – combination of individual loads with factors;

Load Groups (envelop – worst results among loads)



# Create individual loads.

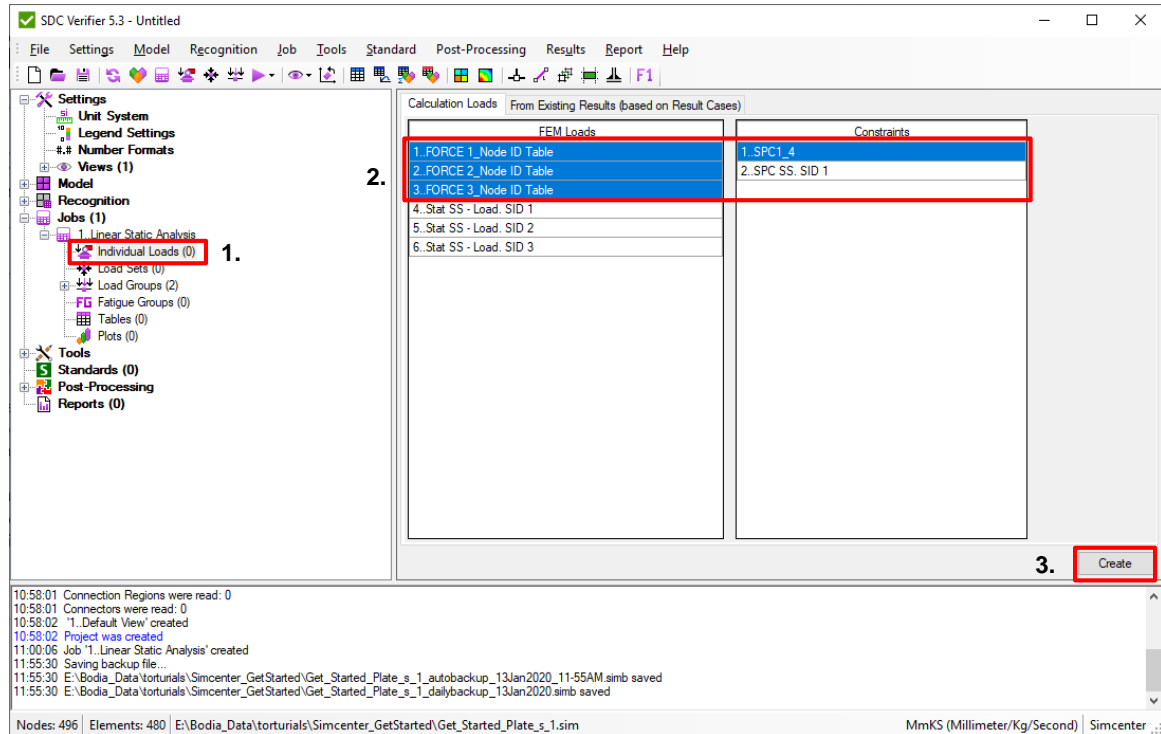
1 Select *Individual Loads* in the *Model Tree*.

2 Select *FEM Loads* with IDs 1-3 and *Constraints* with ID 1.

3 Press *Create*.

Individual Loads will be created automatically from combinations of all selected FEM Loads and Constraints. In our case 3 Individual loads.

If the model already contains Output Sets it is possible to create Individual Loads based on results without boundary conditions (see next slide).



**Note:** Use option "Inertia Relief" to create Individual Loads based on FEM Loads only (without constraint).

# Create individual loads from existing results.

This slide demonstrates alternative method how to create individual loads based on Result Cases. Tutorial model does not contain any results yet, steps from this slide should be skipped.

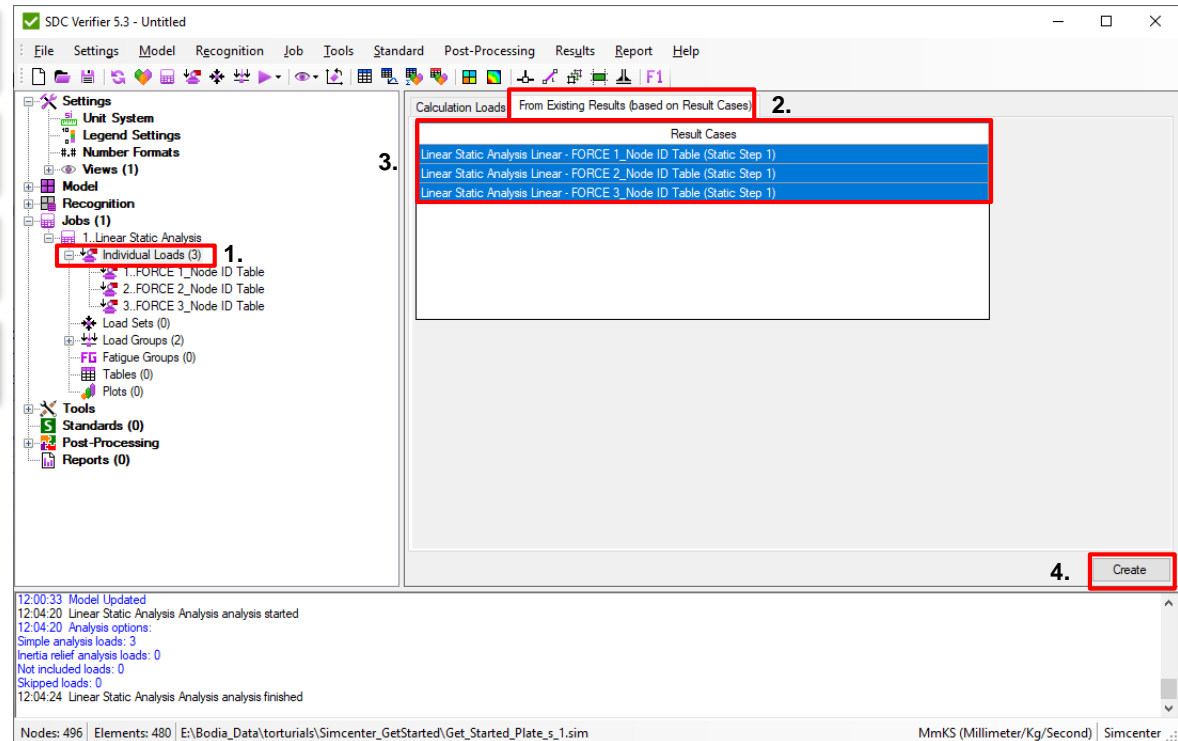
1. Activate *Individual Loads* in the *Model Tree*.

2. Select *From Existing results* option.


3. Select all Result Cases.

4. Press *Create*.

3 Individual Loads will be created based on 3 Result Cases

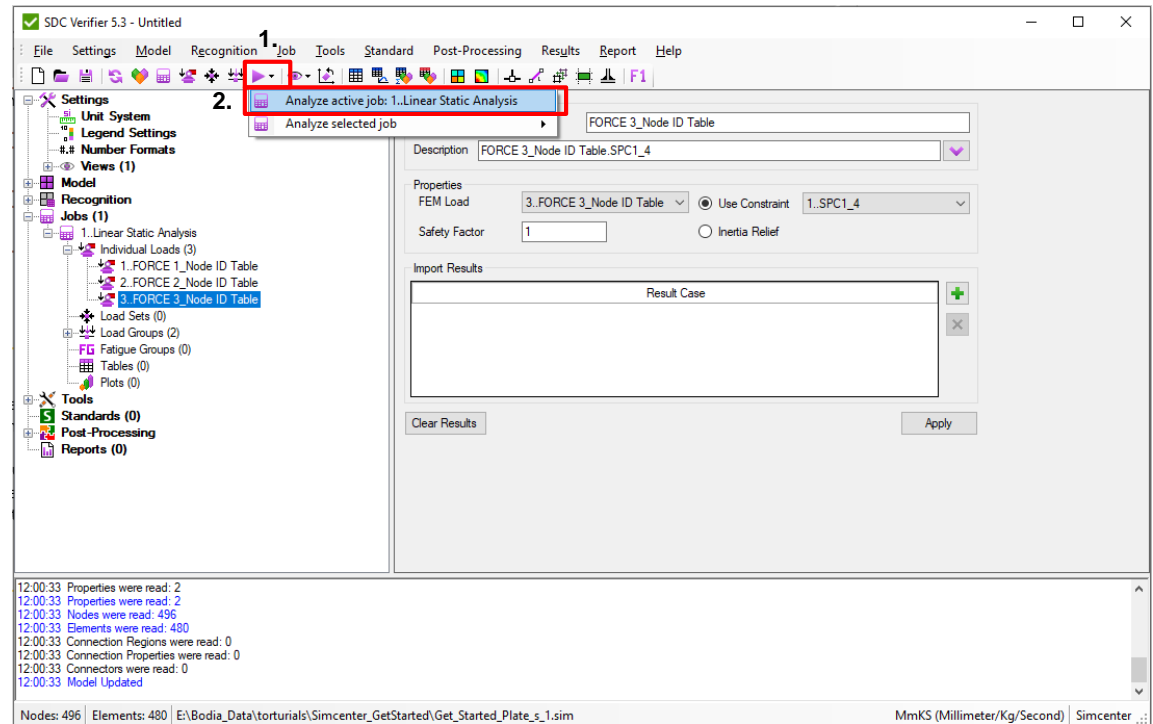


# Analyze Job

1 Press  on toolbar to analyze job.

2 Select *Analyze active job: 1..Linear Static Analysis*

Solution with 3 cases will be created and run.  
Result Cases will be automatically linked to  
analyzed Individual Loads after analysis is  
finished.




Note: If Individual Loads were created based on  
Output Sets running analysis is not required.

# Create load combinations (Logic LS)

1 Activate *Load Sets* in the *Model* tree.

2 Title: **All\_combinations**

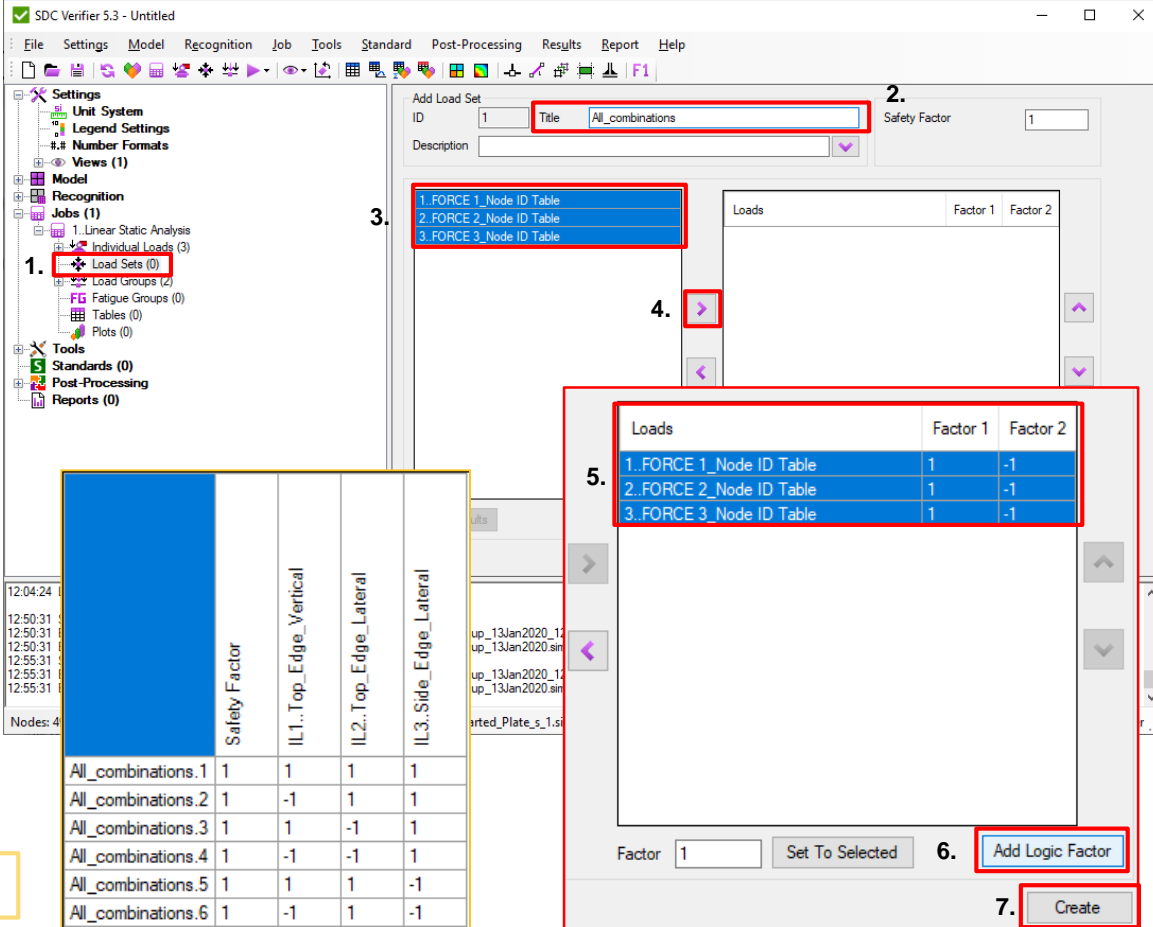
3 Select all Individual Loads from the list of loads.

4 Press  to add items to load set.

5 Select all Individual Loads from the list of loads.

6 Press *Add Logic Factor* (each item will be added with positive and negative factor).


7 Press *Create*



SDC Verifier 5.3 - Untitled


File Settings Model Recognition Job Tools Standard Post-Processing Results Report Help

Settings  
Unit System  
Legend Settings  
Number Formats  
Views (1)  
Model  
Recognition  
Jobs (1)  
1. Linear Static Analysis  
Individual Loads (3)  
1. Load Sets (0)  
Load Groups (2)  
Fatigue Groups (0)  
Tables (0)  
Plots (0)  
Tools  
Standards (0)  
Post-Processing  
Reports (0)

1. 

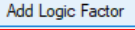
2. Title: **All\_combinations**


3. 1. FORCE 1\_Node ID Table  
2. FORCE 2\_Node ID Table  
3. FORCE 3\_Node ID Table

4. 

5. 

Loads	Factor 1	Factor 2
1. FORCE 1_Node ID Table	1	-1
2. FORCE 2_Node ID Table	1	-1
3. FORCE 3_Node ID Table	1	-1

6. 

7. 

Factor 1 Set To Selected

	Safety Factor	IL1..Top_Edge_Vertical	IL2..Top_Edge_Lateral	IL3..Side_Edge_Lateral
All_combinations.1	1	1	1	1
All_combinations.2	1	-1	1	1
All_combinations.3	1	1	-1	1
All_combinations.4	1	-1	-1	1
All_combinations.5	1	1	1	-1
All_combinations.6	1	-1	1	-1
All_combinations.7	1	1	-1	-1
All_combinations.8	1	-1	-1	-1

List of the created Load Sets



# Edit Multiple Load Sets. Modify factors

1

Execute *Edit multiple* in the *Load Sets* node in the *Model* tree.

2

Select cells for All\_combinations with IDs 1-4 in column IL3

3

Factor: **1.1**. Press **Set**

4

Select cells for All\_combinations with IDs 5-8 in column IL3

5

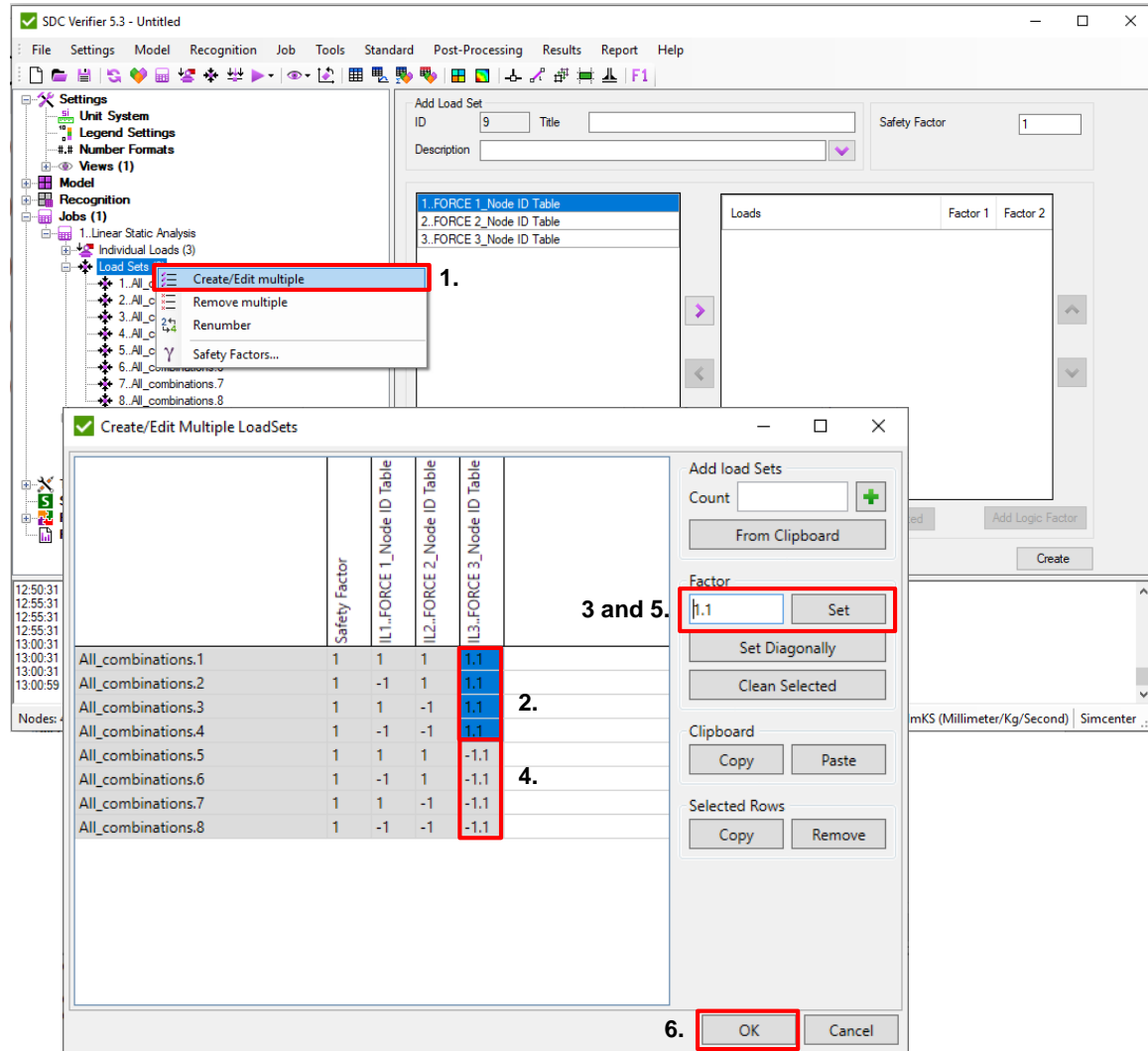
Factor: **-1.1**. Press **Set**

6

Press **OK**.

**Tip:** It is possible to export/import table to excel using *Copy* and *Paste* buttons.

All_combinations 1	1	1	1	1.1
All_combinations 2	1	-1	1	1.1
All_combinations 3	1	1	-1	1.1
All_combinations 4	1	-1	-1	1.1
All_combinations 5	1	1	1	-1.1
All_combinations 6	1	-1	1	-1.1
All_combinations 7	1	1	-1	-1.1
All_combinations 8	1	-1	-1	-1.1




# Create Load Group (Envelop)

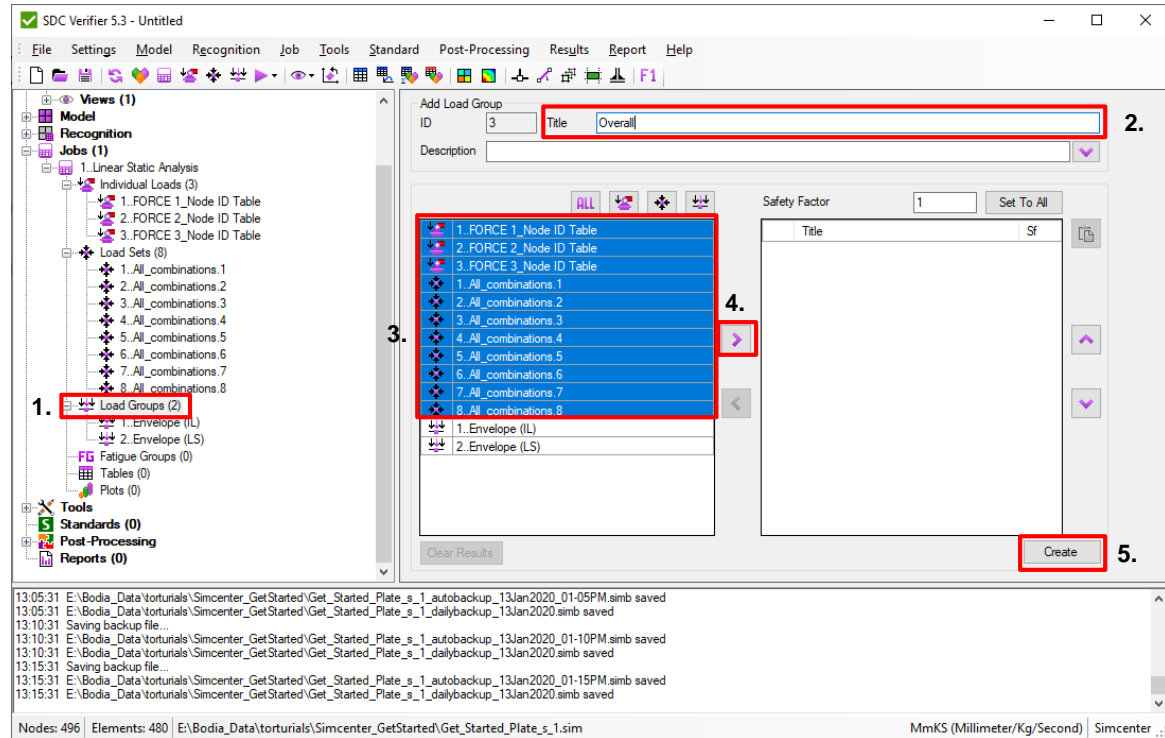
1 Activate *Load Groups* node in the *Model* tree.

2 Title: **Overall**

3 Select all Loads from the list of loads except Envelope (IL) and Envelope (LS).

4 Press  to move selected Loads to Load Group.

5 Press *Create*.



Load Group is envelope for Individual Loads, Load Sets, and other Load Groups. It allows to determine minimum, maximum and absolute values of stresses, displacements, forces, etc.

# Create 2 general Views for plots

1. Locate Model in Simcenter as shown on pic. Front View.

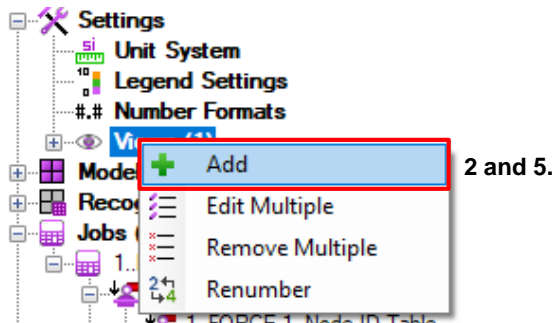
2. Execute *View – Add* from context menu

3. Title: **Front View**. Press *OK*.

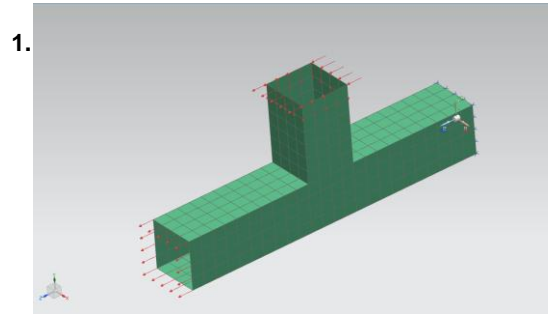
4. Locate the Model in Simcenter as shown on pic. Back View.

5. Execute *View – Add* from context menu

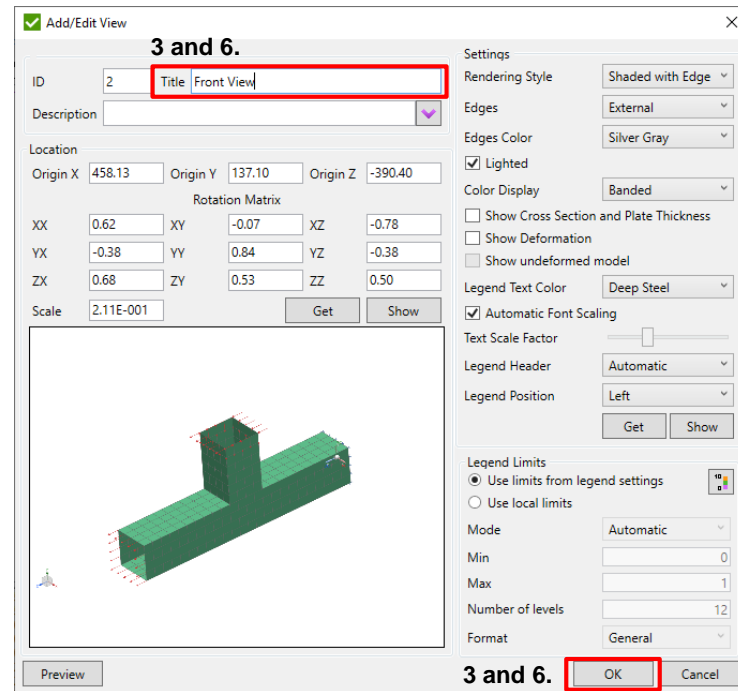
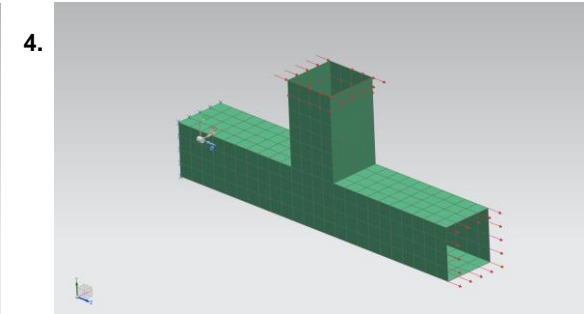
6. Title: **Back View**. Press *OK*.



Front View



Back View



# Create 2 detailed Views

1. Locate Model in Simcenter as shown on pic. Front Detail.

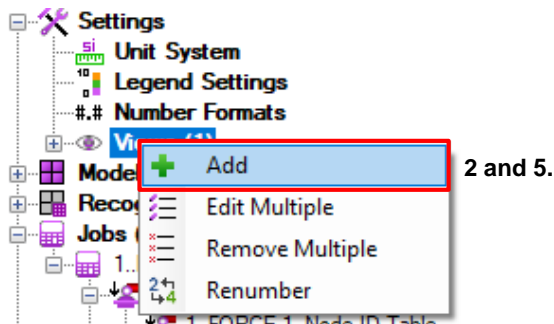
2. Execute *View – Add* from context menu

3. Title: **Front Detail**. Press *OK*.

4. Locate the Model in Simcenter as shown on pic. Back Detail.

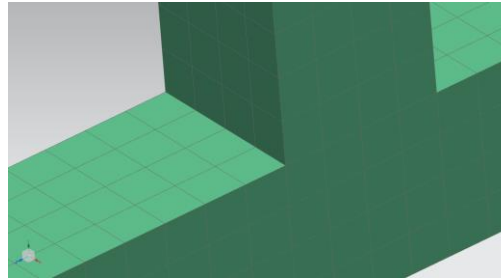
5. Execute *View – Add* from context menu

6. Title: **Back Detail**. Press *OK*.



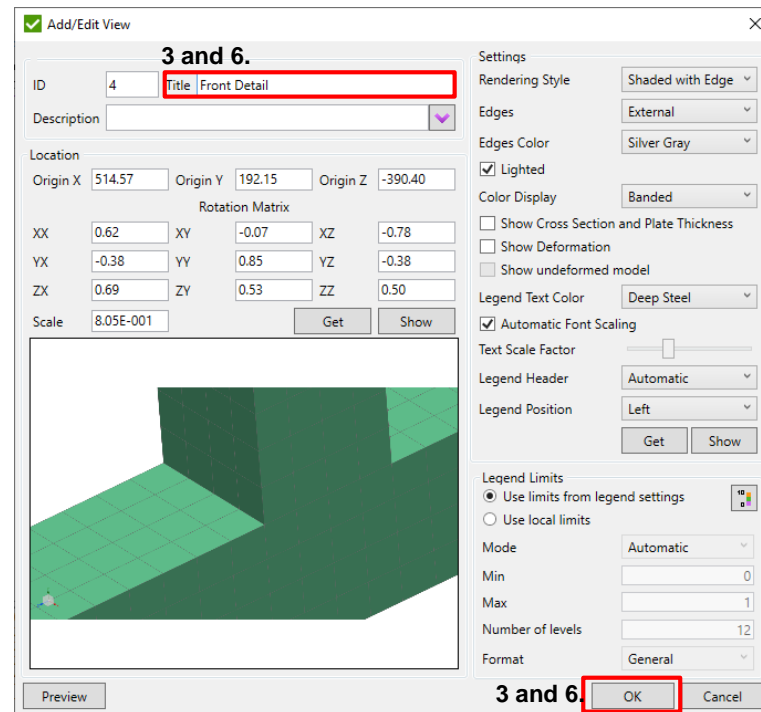
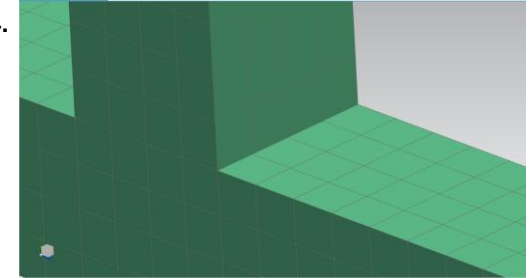
Front Detail

1.




Back Detail


4.



# Report Wizard – Model Setup report

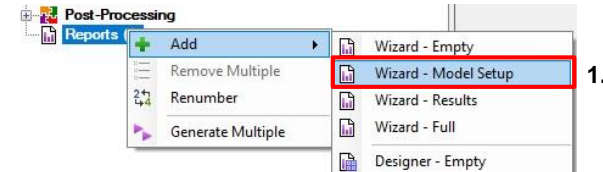
1 Execute Add -> Wizard - Model Setup from Reports in the Model tree.

2 Press  and select Support Engineer from the library

3 Press  and select Customer from the library

4 Press Next.

**Note:** Engineer and customer information is used on the report's first page and in footer (company name and logo).



**Add Report Wizard**



**First Page**  
Define Executor, Client information and Project details


**Navigation**  
First Page  
Model Setup  
Job Settings & Tools  
Tables  
Plots  
Standards

ID: 1 Title: Model Setup

Description:


**Engineer details**

Engineer: Support  2. 




Company: SDC Verifier 

E-mail: support@sdcverifier.com

Phone: +31 15 30-10-310



Address: Zijvest 25 [...] 


Web Site: sdcverifier.com

Logo:   

☐ Put logo on report plots


**Customer details**

Contact Person: customer  3. 




Company: company 

E-mail: customer@company.com



Phone: +31 15 555-55-55


Address: Zijvest 25 [...] 








Web Site: company.com

Logo:   

**Image**

☒ From file  

☐ From View 1..Default View 

  4.  Next >  OK  Generate  Go To Designer  Close

# Model Setup options

1

Plot View: **Front View**

2

Press *Generate*.

1.

**Add Report Wizard**

**Model Setup**  
Description of the model. Define entities to display and type of their description (brief or full), with or without plots.

**Navigation**

- First Page
- Model Setup**
- Job Settings & Tools
- Tables
- Plots
- Standards

☒ Preface  
☒ Model Information  
☒ Model Entities

☐ Recognition Tools

☒ Materials (2/2) Full (detailed for each material) ☒ Plot  
☒ Properties (2/2) Full (detailed for each property) ☒ Plot  
☒ Components (0/0) ☒ Plot  
☒ Constraints (2/2) ☒ Plot  
☒ FEM Loads (6/6) ☒ Plot

Include Plots Exclude Plots

Default plot settings  
View: 2. Front View

Preview Mode Highlight

OK 2. Generate Go To Designer Close

## Model Setup

Beam-to-beam connection model

Prepared by:  
SDC Verifier

+31 15 30-10-310  
sdverifier.com  
Zijlvest 25  
2011 VB Haarlem  
The Netherlands

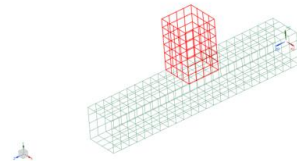
Engineer: Support  
Customer: customer  
Project Number: p0001  
Version: 1  
Date: 13-01-2020

Prepared for:  
company

+31 15 555-55-55  
company.com  
Zijlvest 25  
2011 VB Haarlem  
The Netherlands

Page 2 of 5

Parameter	Value
Elements	45
Type	Plate
Material	2. steel_S95
Mass [kg]	18.2
Gravity Center [mm]	[0.00; 247.50; 600.00]
Thicknesses 1 [mm]	10.000
Thicknesses 2 [mm]	0
Thicknesses 3 [mm]	0
Thicknesses 4 [mm]	0
Nonstructural Mass/Area [kg/mm <sup>2</sup> ]	0
Top Fiber [mm]	0
Bottom Fiber [mm]	0
Bend Stiffness [mm <sup>3</sup> ]	0
TShearMem Thickness	0



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### 3..FORCE 3\_Node ID Table

Node	Node ID	Node Type	Applied On	Values
FORCE 3_Node ID Table				
Force				
15 nodes				
Scaling Force: 1000:				


Model setup report has been generated and opened in MS Word. Using the *Report Designer* you can print out the report without any text editor installed.

# Create calculation report


1

Execute **Add -> Wizard - Empty** on **Reports** in the **Model** tree.

2

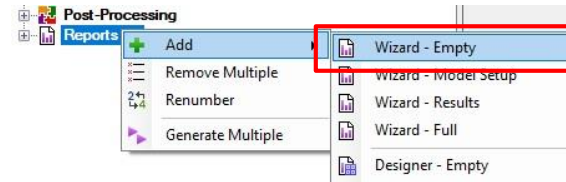
Press  and select **Support Engineer** from the library

3

Press  and select **Customer** from the library

4

Press **Next** 2 times.



**Add Report Wizard**


**First Page**  
Define Executor, Client information and Project details


**Navigation**  
First Page  
Model Setup  
Job Settings & Tools  
Tables  
Plots  
Standards

ID: 2 Title: Report

Description:


**Engineer details**

Engineer: Support  **2.**




Company: SDC Verifier 

E-mail: support@sdcverifier.com

Phone: +31 15 30-10-310


Address: Zijvest 25 [...] 


Web Site: sdcverifier.com

Logo:   

☐ Put logo on report plots


**Customer details**

Contact Person: customer  **3.**




Company: company 

E-mail: customer@company.com



Phone: +31 15 555-55-55


Address: Zijvest 25 [...] 







Web Site: company.com

Logo:   

**Image**

☒ From file  

☐ From View 1..Default View 

 **4.**     

# Predefined Job Tables

1 Jobs: **ON**

2 Plot Individual Loads: **ON**

3 Include Sum of Forces: **ON**

4 Press **Next**.

**Add Report Wizard**

**Job Settings and Tools**  
Set extra job settings and select extra tables to be included

**Navigation**  
First Page  
Model Setup  
Job Settings & Tools  
Tables  
Plots  
Standards

1. ☒ Jobs 1. Linear Static Analysis

2. ☒ Plot Individual Load

3. ☒ Include Sum of Forces

**Job Settings**  
☐ Job Description  
☐ Modes Table for ILs and LSs  
☐ Include Contents  
☐ Individual Loads Content  
☐ Load Sets Content  
☐ Load Groups Content

**Advanced Tables (Overall)**  
☒ Individual Loads Applied Forces  
☒ Individual Loads Reaction Forces  
☒ Load Sets Applied Forces  
☒ Load Sets Reaction Forces

☐ Absolute Maximum Displacement  
☐ Individual Load  
☐ Load Set  
☐ Load Group

☐ Absolute Maximum Stresses  
☐ Individual Load  
☐ Load Set  
☐ Load Group

**Advanced Tables (For Each Load)**  
☐ Include Sum Of Forces  
☒ Individual Load Reaction Forces  
☒ Load Set Reaction Forces

☐ Stress Over All Properties  
☐ Individual Load  
☐ Load Set  
☐ Load Group

☐ Stress Over All Components  
☐ Individual Load  
☐ Load Set  
☐ Load Group

**Tools**  
☐ Mass and COG Table (0/0)  
☐ Moment Shear Force (0/0)

4. **Next >**

**All**  
**None**


**OK** **Generate** **Go To Designer** **Close**



# Add displacements plots

1 Click on *Plots* in the Navigation list.

2 Select All Loads from the list.

3 Press  to add contour plot.

4 *Category: Displacement*

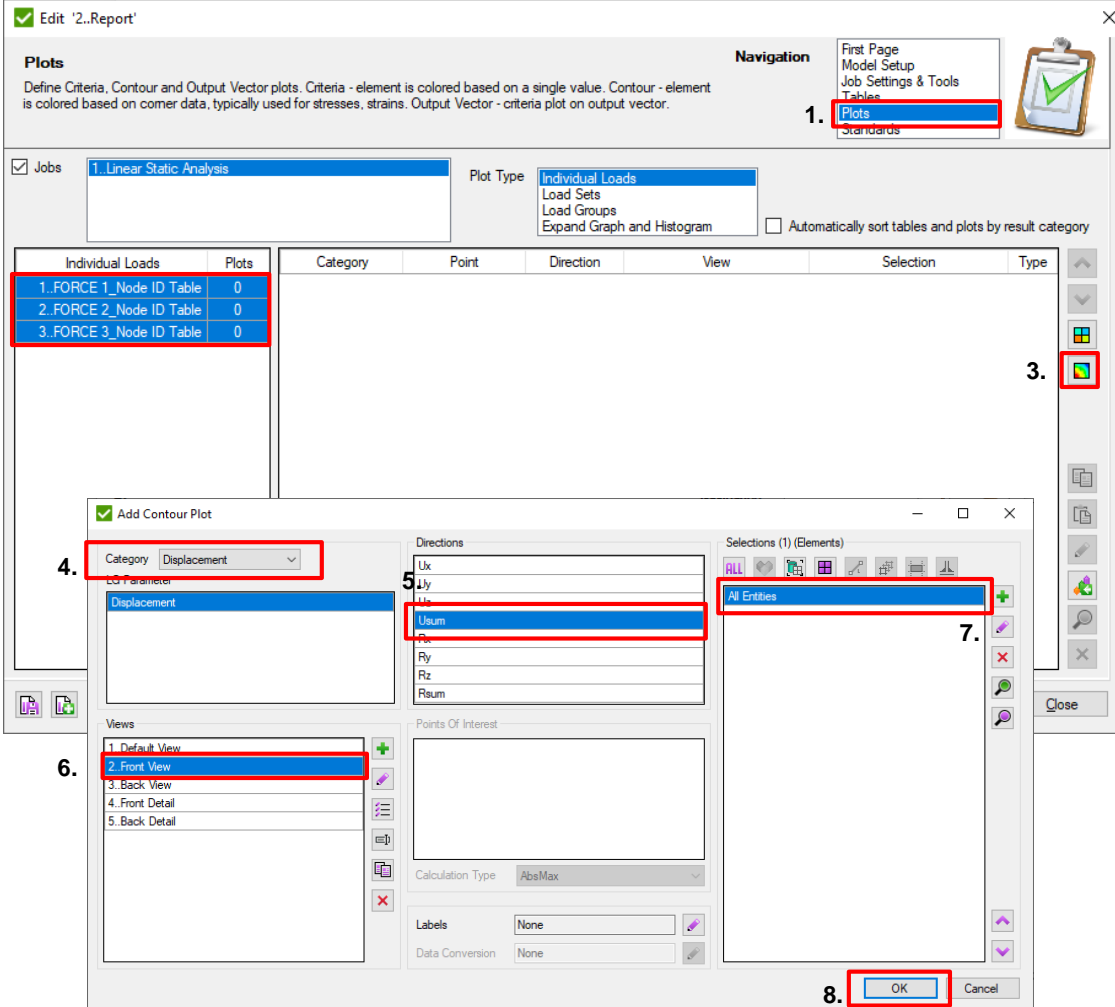
5 *Direction: Usum*

6 *Views: Front View*

7 *Selection: All Elements*

8 Press *OK*.

2.



The screenshot shows the 'Edit Report' dialog box with the 'Plots' tab selected. The 'Jobs' list shows '1. Linear Static Analysis'. The 'Plot Type' dropdown is set to 'Individual Loads'. The 'Plots' table lists three items: '1. FORCE 1\_Node ID Table', '2. FORCE 2\_Node ID Table', and '3. FORCE 3\_Node ID Table', all with a value of 0. The 'Category' dropdown is set to 'Displacement'. The 'Direction' dropdown is set to 'Usum'. The 'Views' list shows '1. Default View', '2. Front View', '3. Back View', '4. Front Detail', and '5. Back Detail'. The 'Selection' dropdown is set to 'All Entities'. The 'Calculation Type' is set to 'AbsMax'. The 'Labels' dropdown is set to 'None'. The 'Data Conversion' dropdown is set to 'None'. The 'OK' button is highlighted.

Individual Loads	Plots
1. FORCE 1_Node ID Table	0
2. FORCE 2_Node ID Table	0
3. FORCE 3_Node ID Table	0

4.

5.


6.

7.

8.

# Add stress plots

1 Select All Loads from the list.

2 Press  to add criteria plots.

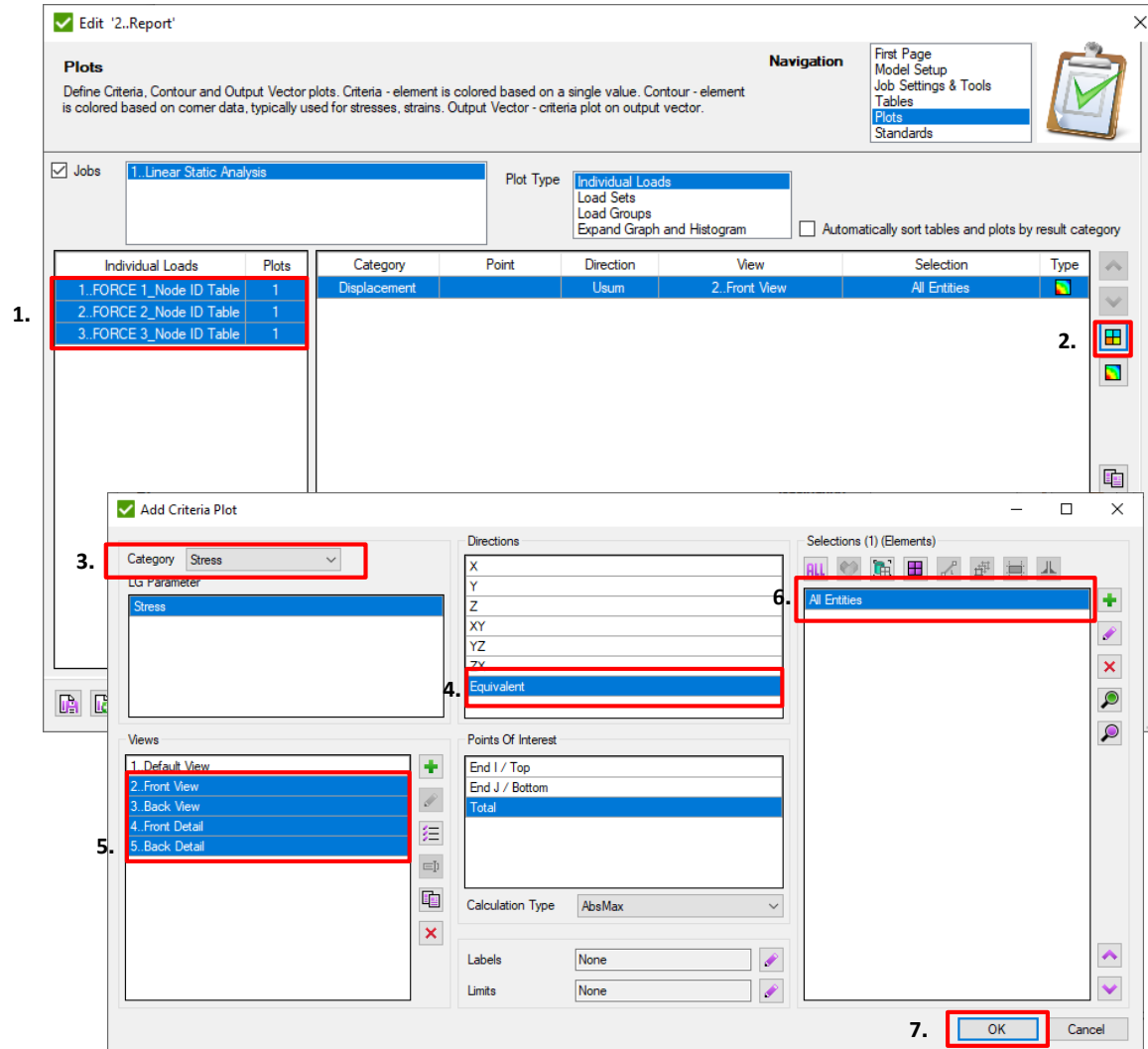
3 *Category: Stress*

4 *Direction: Equivalent.*

5 Select 4 Views: ID from 2 to 5

6 *Selection: All Elements*

7 Press OK.



# Copy plots to Load Sets and Load Groups

1

Select all plots from the list.

2

Press  to copy plot to clipboard.


3

Plot Type: **Load Sets**

4

Select all loads sets.

5

Press  to paste.


6

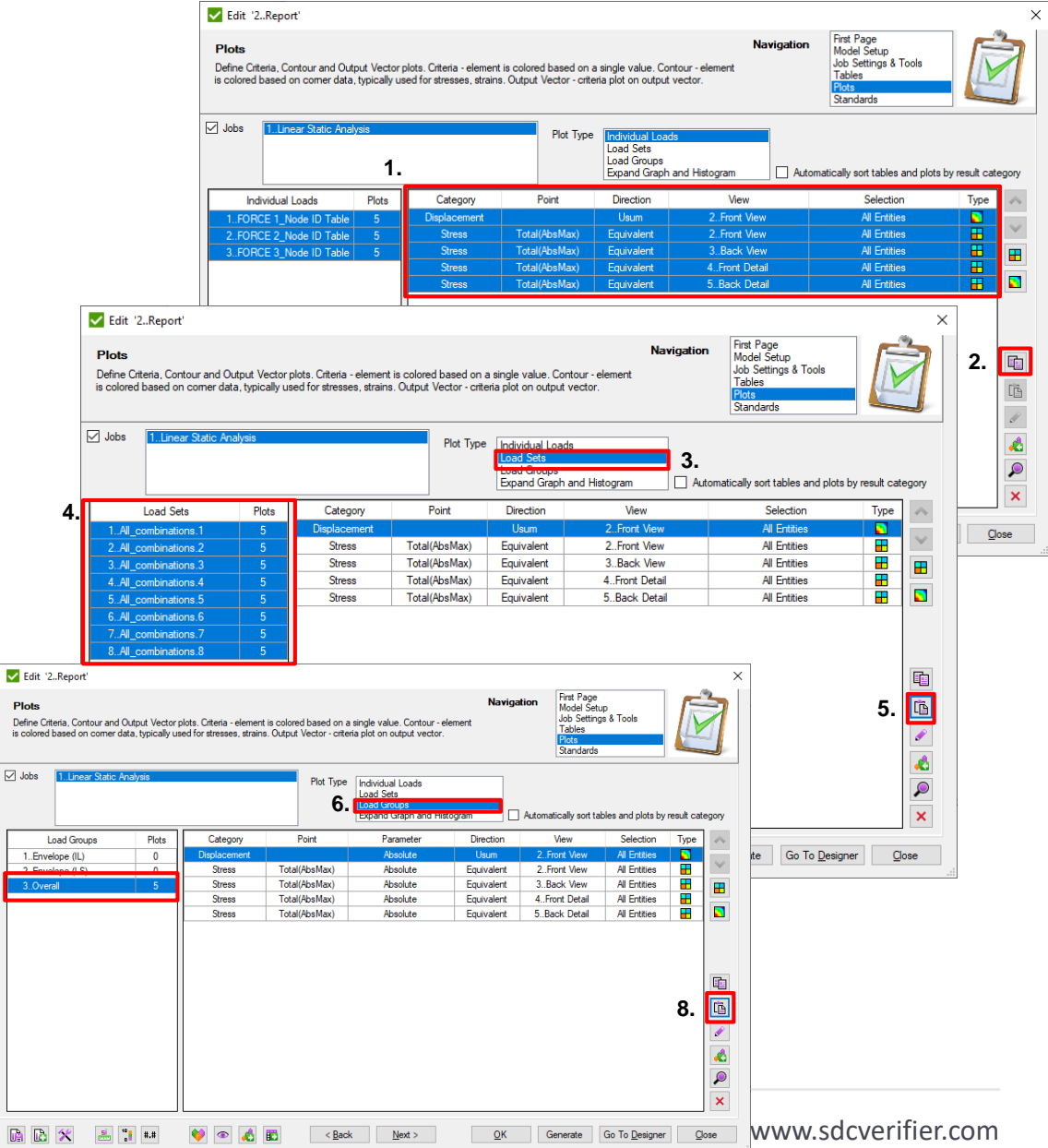
Plot Type: **Load Groups**

7

Select **Overall** Load Group.

8

Press  to paste.



The screenshot shows the 'Edit .2.Report' dialog in SDC Verifier. The 'Plots' section is active, and the 'Jobs' list shows '1. Linear Static Analysis'. The 'Plot Type' dropdown is set to 'Load Sets' (highlighted in red). The 'Individual Loads' table is visible, showing three entries: '1. FORCE 1\_Node ID Table', '2. FORCE 2\_Node ID Table', and '3. FORCE 3\_Node ID Table'. The 'Category' table is also visible, showing stress results for 'Total(AbsMax)' in 'Equivalent' direction. The 'Load Sets' table is highlighted in red, showing eight entries: '1. All\_combinations.1', '2. All\_combinations.2', '3. All\_combinations.3', '4. All\_combinations.4', '5. All\_combinations.5', '6. All\_combinations.6', '7. All\_combinations.7', and '8. All\_combinations.8'. The 'Load Groups' table is also visible, showing three entries: '1. Envelope (LL)', '2. Envelope (LR)', and '3. Overall'. The 'Overall' entry is highlighted in red. The 'Plots' section is active, and the 'Jobs' list shows '1. Linear Static Analysis'. The 'Plot Type' dropdown is set to 'Load Groups' (highlighted in red). The 'Individual Loads' table is visible, showing three entries: '1. FORCE 1\_Node ID Table', '2. FORCE 2\_Node ID Table', and '3. FORCE 3\_Node ID Table'. The 'Category' table is also visible, showing stress results for 'Total(AbsMax)' in 'Equivalent' direction. The 'Load Sets' table is highlighted in red, showing eight entries: '1. All\_combinations.1', '2. All\_combinations.2', '3. All\_combinations.3', '4. All\_combinations.4', '5. All\_combinations.5', '6. All\_combinations.6', '7. All\_combinations.7', and '8. All\_combinations.8'. The 'Load Groups' table is also visible, showing three entries: '1. Envelope (LL)', '2. Envelope (LR)', and '3. Overall'. The 'Overall' entry is highlighted in red. The 'Plots' section is active, and the 'Jobs' list shows '1. Linear Static Analysis'. The 'Plot Type' dropdown is set to 'Load Groups' (highlighted in red). The 'Individual Loads' table is visible, showing three entries: '1. FORCE 1\_Node ID Table', '2. FORCE 2\_Node ID Table', and '3. FORCE 3\_Node ID Table'. The 'Category' table is also visible, showing stress results for 'Total(AbsMax)' in 'Equivalent' direction. The 'Load Sets' table is highlighted in red, showing eight entries: '1. All\_combinations.1', '2. All\_combinations.2', '3. All\_combinations.3', '4. All\_combinations.4', '5. All\_combinations.5', '6. All\_combinations.6', '7. All\_combinations.7', and '8. All\_combinations.8'. The 'Load Groups' table is also visible, showing three entries: '1. Envelope (LL)', '2. Envelope (LR)', and '3. Overall'. The 'Overall' entry is highlighted in red.

**Individual Loads**

Individual Loads	Plots
1. FORCE 1_Node ID Table	5
2. FORCE 2_Node ID Table	5
3. FORCE 3_Node ID Table	5

**Category**

Category	Point	Direction	View	Selection	Type
Displacement	Total(AbsMax)	Equivalent	2. Front View	All Entities	
Stress	Total(AbsMax)	Equivalent	3. Back View	All Entities	
Stress	Total(AbsMax)	Equivalent	4. Front Detail	All Entities	
Stress	Total(AbsMax)	Equivalent	5. Back Detail	All Entities	

**Load Sets**

Load Sets	Plots
1. All_combinations.1	5
2. All_combinations.2	5
3. All_combinations.3	5
4. All_combinations.4	5
5. All_combinations.5	5
6. All_combinations.6	5
7. All_combinations.7	5
8. All_combinations.8	5

**Load Groups**

Load Groups	Plots
1. Envelope (LL)	0
2. Envelope (LR)	0
3. Overall	5

**Category**

Category	Point	Parameter	Direction	View	Selection	Type
Displacement	Total(AbsMax)	Absolute	Usun	2. Front View	All Entities	
Stress	Total(AbsMax)	Absolute	Equivalent	2. Front View	All Entities	
Stress	Total(AbsMax)	Absolute	Equivalent	3. Back View	All Entities	
Stress	Total(AbsMax)	Absolute	Equivalent	4. Front Detail	All Entities	
Stress	Total(AbsMax)	Absolute	Equivalent	5. Back Detail	All Entities	

# Result Report Generation

1 Press  to save the report profile

2 Press *Generate*.






**Edit '2..Report'**

























**Plots**  
Define Criteria, Contour and Output Vector plots. Criteria - element is colored based on a single value. Contour - element is colored based on corner data, typically used for stresses, strains. Output Vector - criteria plot on output vector.

**Navigation**  
First Page  
Model Setup  
Job Settings & Tools  
Tables  
**Plots**  
Standards

☒ Jobs **1. Linear Static Analysis** Plot Type: Individual Loads, Load Sets, Load Groups, Expand Graph and Histogram ☐ Automatically sort tables and plots by result category

Load Groups	Plots
1..Envelope (IL)	0
2..Envelope (LS)	0
3..Overall	5

Category	Point	Parameter	Direction	View	Selection	Type
Displacement		Absolute	Usdm	2. Front View	All Entities	
Stress	Total(AbsMax)	Absolute	Equivalent	2. Front View	All Entities	
Stress	Total(AbsMax)	Absolute	Equivalent	3. Back View	All Entities	
Stress	Total(AbsMax)	Absolute	Equivalent	4. Front Detail	All Entities	
Stress	Total(AbsMax)	Absolute	Equivalent	5. Back Detail	All Entities	

1.                        

2. **Generate** Go To Designer Close

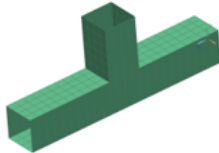
**Report**  
Beam-to-beam connection model

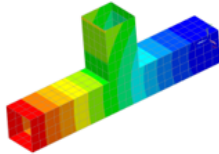
Prepared by:  
SDC Verifier  
+31 15 955-05-010  
sdverifier.com  
2011-2015  
The Netherlands

Prepared for:  
company  
+31 15 955-05-055  
company.com  
2011-2015  
The Netherlands

Engineer: Support  
Customer: customer  
Project Number: p0001  
Version: 1  
Date: 14-01-2020

**1..Linear Static Analysis**  
Individual Loads  
In this paragraph the influence of the different separate loads is described.  
Individual Load '1..FORCE 1\_Node ID Table'  
FORCE 1\_Node ID Table: SPC1\_4





Individual Load Selection: 1..FORCE 1\_Node ID Table, All Entities, Parameter View, Displacement Usdm, 2. Front View

Prepared by: SDC Verifier, Prepared for: company

**Individual Load Selection**

Load	Fx [kN]	Fy [kN]	Fz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]	Ux [mm]	Uy [mm]	Uz [mm]
1..FORCE 1_Node ID Table	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Applied Force Summation (2 Loads, All Entities)**

Load	Fx [kN]	Fy [kN]	Fz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]	Ux [mm]	Uy [mm]	Uz [mm]
1..FORCE 1_Node ID Table	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


**Reaction Force Summation (2 Loads, All Entities)**

Load	Fx [kN]	Fy [kN]	Fz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]	Ux [mm]	Uy [mm]	Uz [mm]
1..FORCE 1_Node ID Table	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Prepared by: SDC Verifier, Prepared for: company

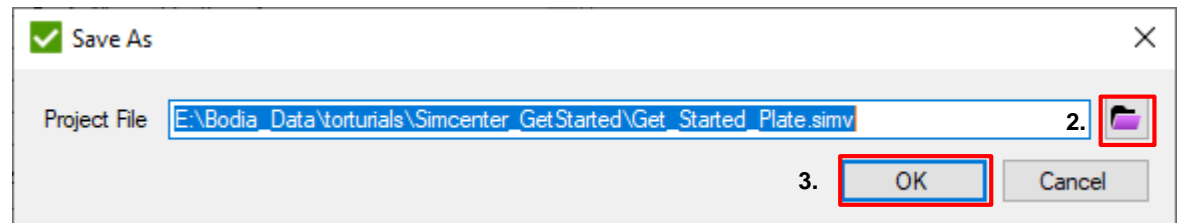
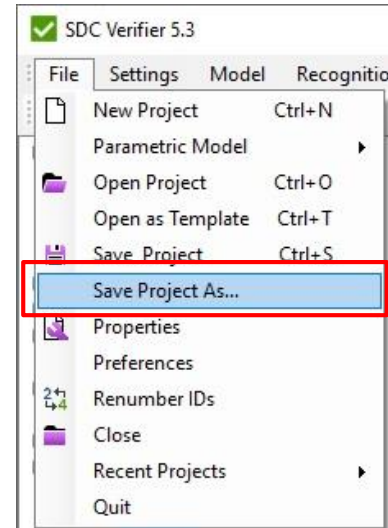
# Save SDC project

1 Execute *File - Save Project As*

2 Press  to browse location and define the filename

3 Press *OK*

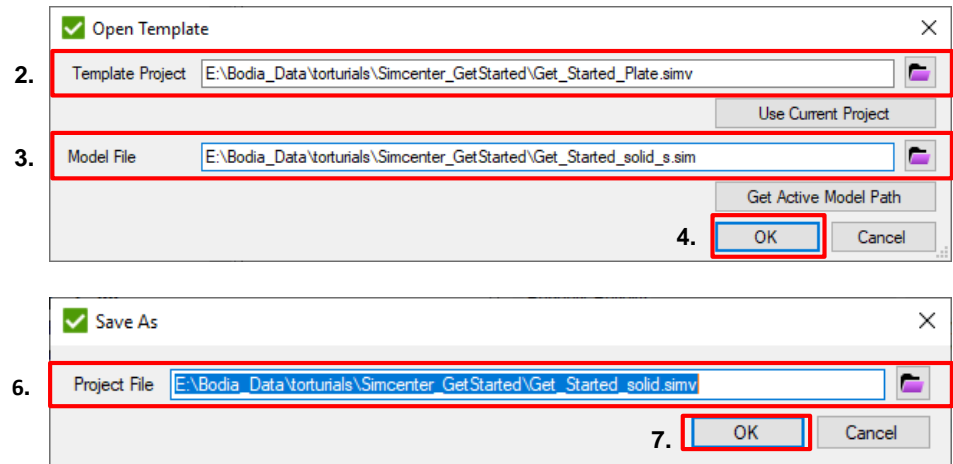
1.





# Open As Template – solid model

Open As Template features allows to reuse project for similar Simcenter model. In our case a solid model with same boundary conditions

1. Execute *File - Open as Template*.
2. Template Project: **Get\_Started\_Plate.simv**
3. Model File: **Get\_Started\_solid\_s.sim**
4. Press *OK*.
5. Execute *File - Save Project as*
6. Project File: **Get\_Started\_solid.simv**
7. Press *OK*.



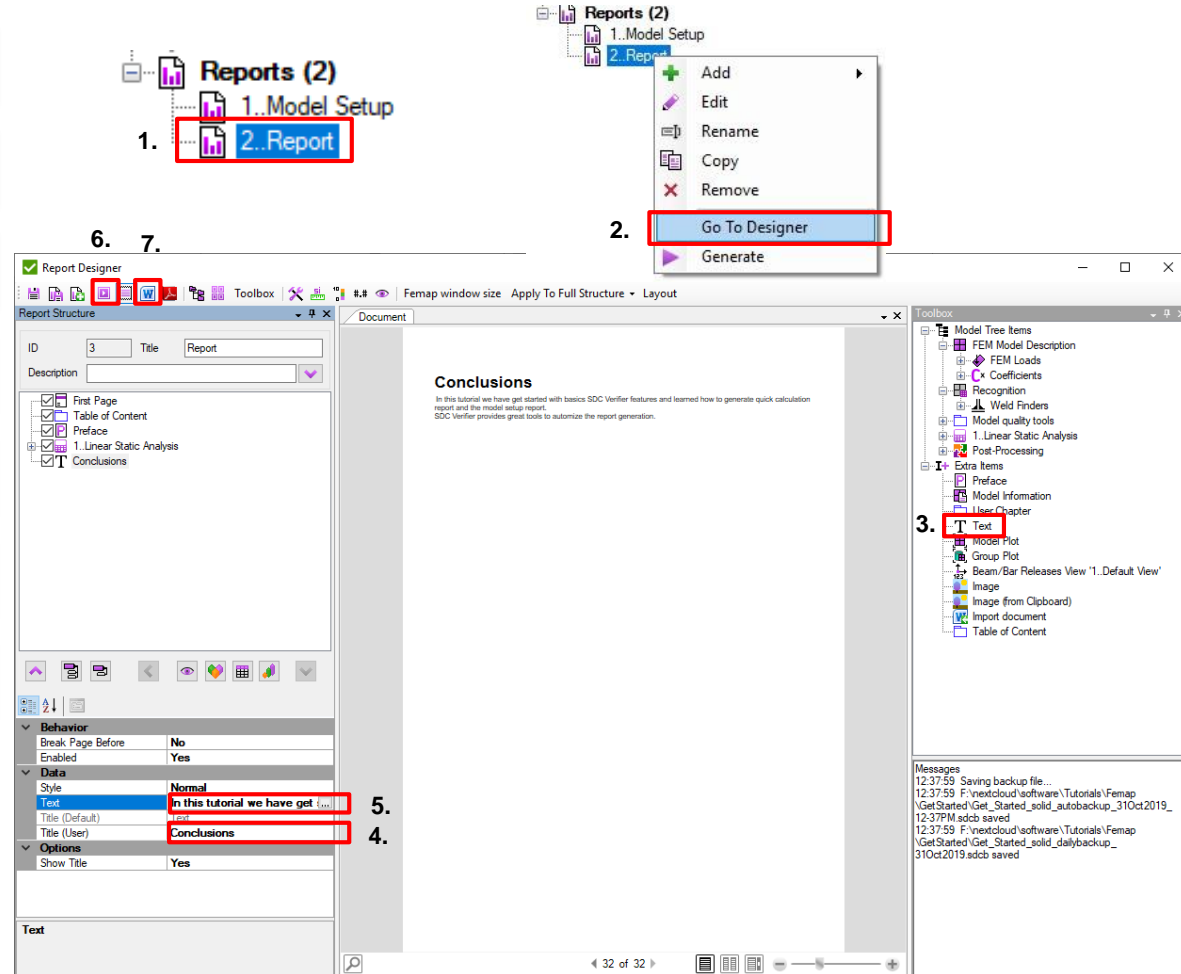
# Generate report for Solid model

- 1 Select *Report* in the *Model* tree
- 2 Execute *Go To Designer* from the context menu
- 3 Add *Text* item from *Toolbox*
- 4 Title: **Conclusions**
- 5 Text:
- 6 Press  to generate report
- 7 After generation is finished press  to export generated report to Word

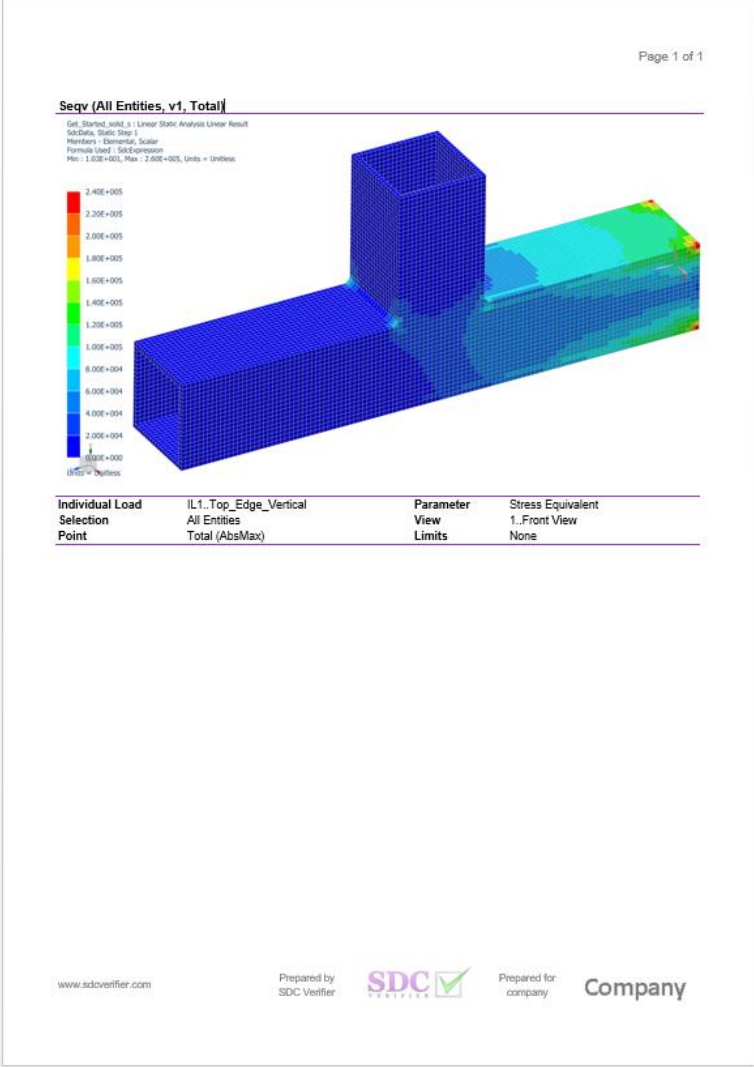
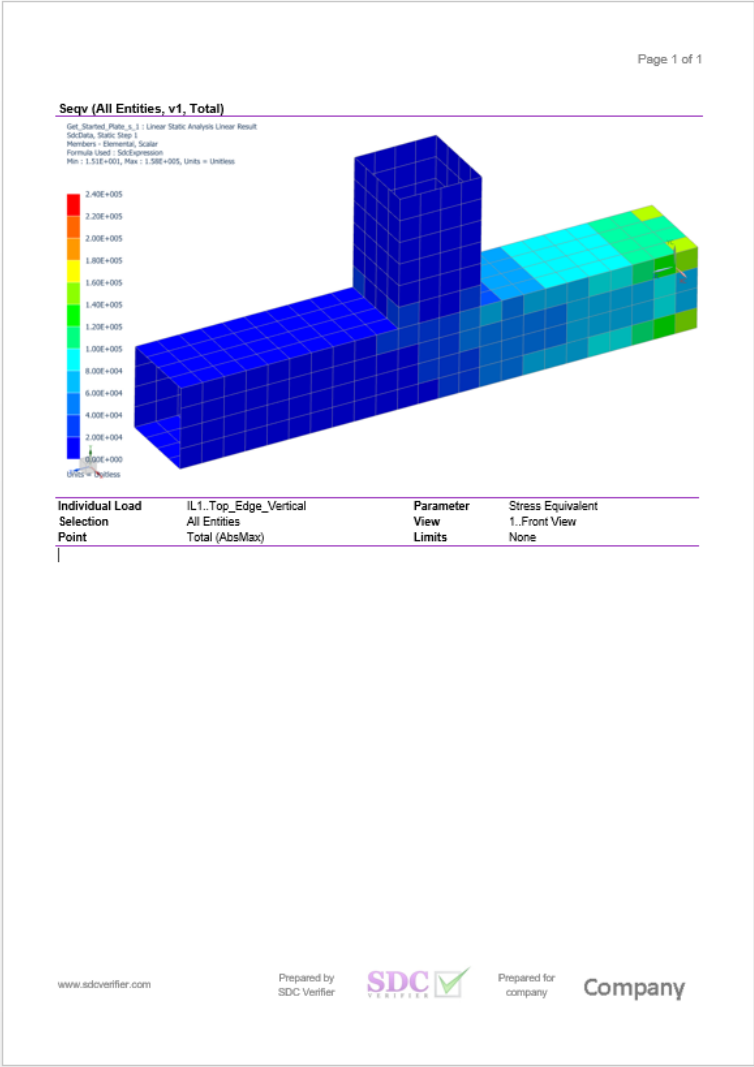
Note:

Report Wizard guides you through the steps of building and running the report.

Whereas the Report Designer gives added ability to design your own reports.



Equivalent Stress plot is automatically displayed correct for plate and solid model.





# Quick Support – remote access to your PC

1 Select *Help - Quick Support*

2 Contact helpdesk by Team Viewer

3 Tell your ID to SDC specialist

Quick Support allows to get remote access to your PC by SDC Verifier specialist to solve your problem. All you need is to send your ID to us:  
by Skype: [sdcverifier\\_helpdesk](https://www.skype.com/en/contacts/individual/sdcverifier_helpdesk/);  
by phone: +31 15 30-10-310;  
by email: [support@sdcverifier.com](mailto:support@sdcverifier.com)

Quick Support tool is standalone program.  
Team Viewer is not required to be installed.

