



Western Star Bodybuilder Book: Revision 3.1

Table of Contents

Section

6D

Model Layouts
&
CAD Information

2D Bodybuilder Diagram - Serial Specific	6D-2
3D Bodybuilder Model - Serial Specific	6D-3
2D & 3D Generic Bodybuilders	6D-4
SWAN Account	6D-5
SWAN Usage	6D-6

This guide is to be used as a reference document only.
Please consult your Western Star CAE representative on
specific spec'ing needs as the information contained in
this document can change without notice.



6D

P. 6D-2



DO NOT SCALE FROM DRAWING
DIMENSIONS SHOWN ARE THEORETICAL VALUES.
TOLERANCE VARIATIONS MAY CAUSE DISCREPANCIES
TO ACTUAL DIMENSIONS.

FRONT SUSPENSION:
20.000* TAPERLEAF FRONT SUSPENSION
LADEN RIDE HEIGHT OF CL SUSPENSION TO FRAME: 7.3
LADEN RIDE HEIGHT OF FRAME BOTTOM TO GROUND: 27.9

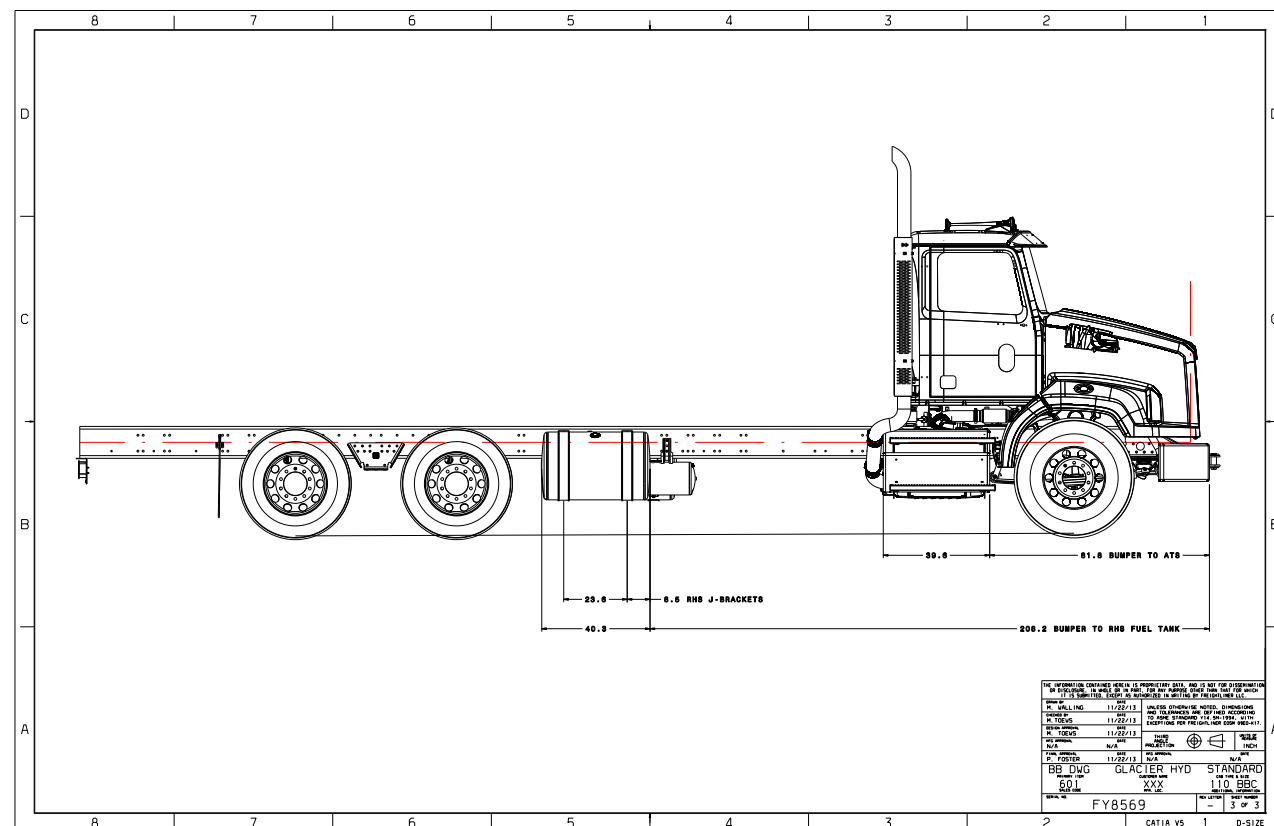
REAR SUSPENSION:
HENDRICKSON HAULMAAX REAR SUSPENSION @ 40,000#
RIDE HEIGHT OF CL SUSPENSION TO FRAME:
LADEN: 9.5 UNLADEN: 10.5
RIDE HEIGHT OF FRAME BOTTOM TO GROUND:
LADEN: 28.9 UNLADEN: 31.3
(TIRE SQUAT ACCOUNTS FOR MOST OF THE RIDE HEIGHT CHANGES)

FRONT TIRES:
MICHELIN XZY3 425/65R22.5 L
SLR: 20.6 SUR: 22.4 OD: 44.7

REAR TIRES:
MICHELIN XDE MS 11R22.5 G
SLR: 19.4 SUR: 20.8 OD: 41.6

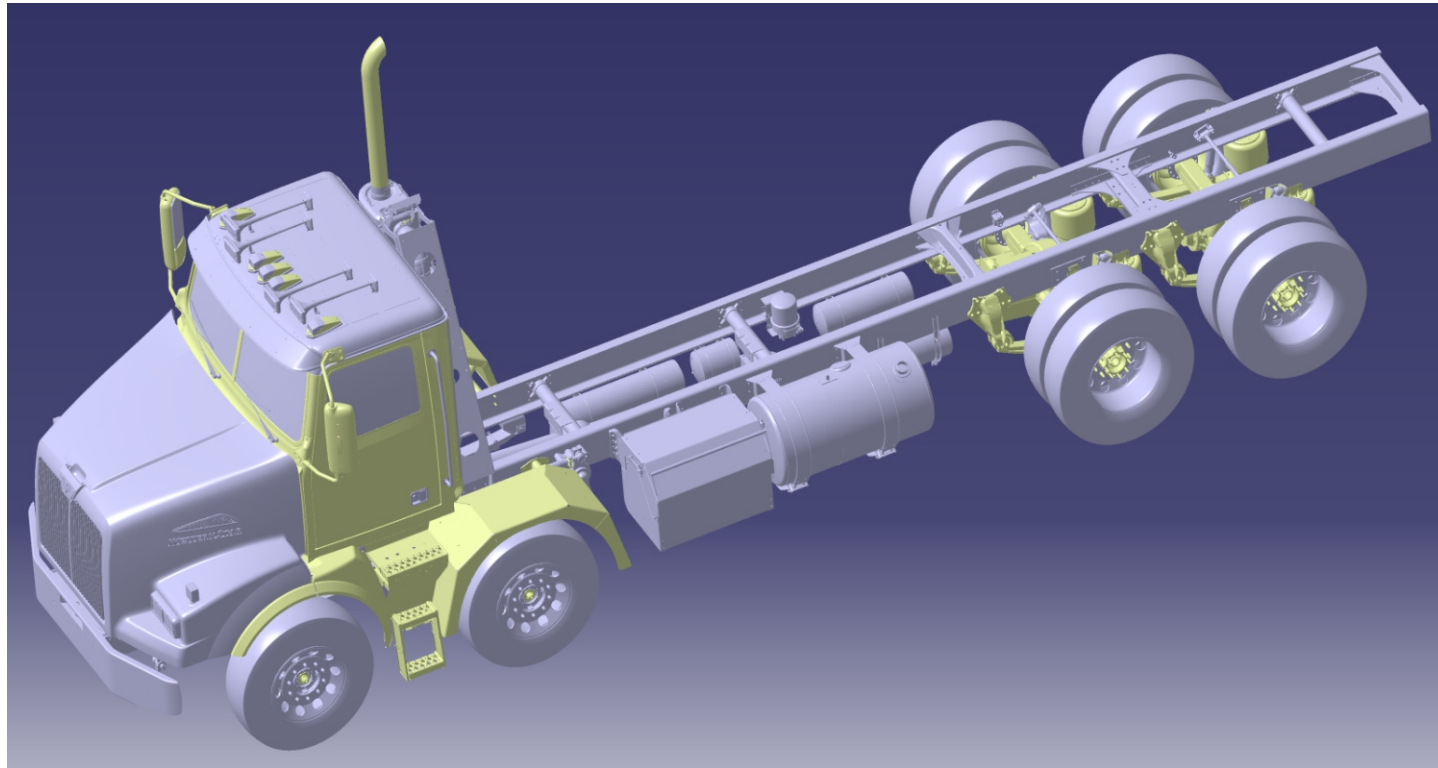
FWD CAB AND TIRES ARE APPROXIMATE REPRESENTATIONS.

DESIGN FRAME SLOPE: -0.49%



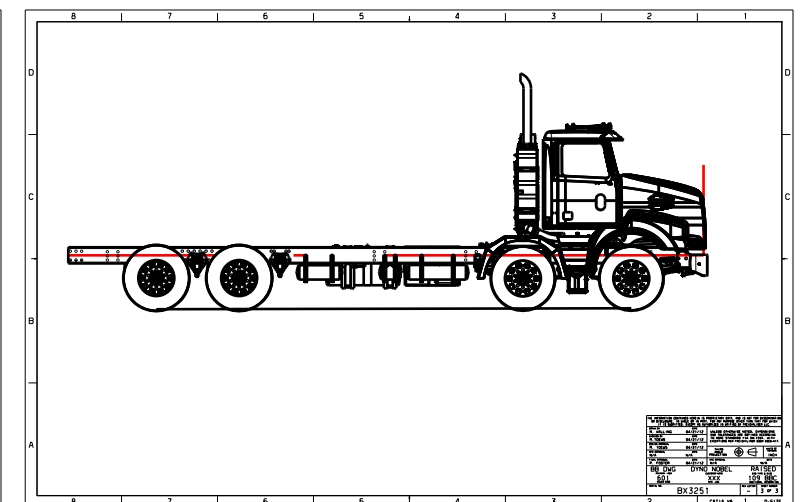
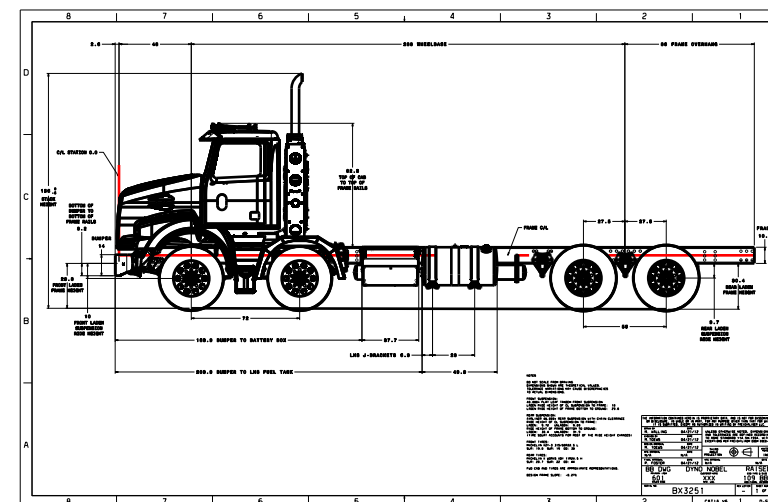
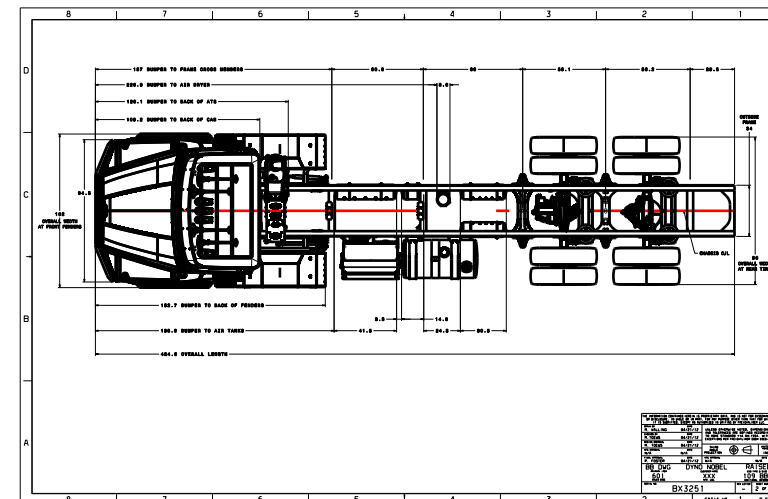
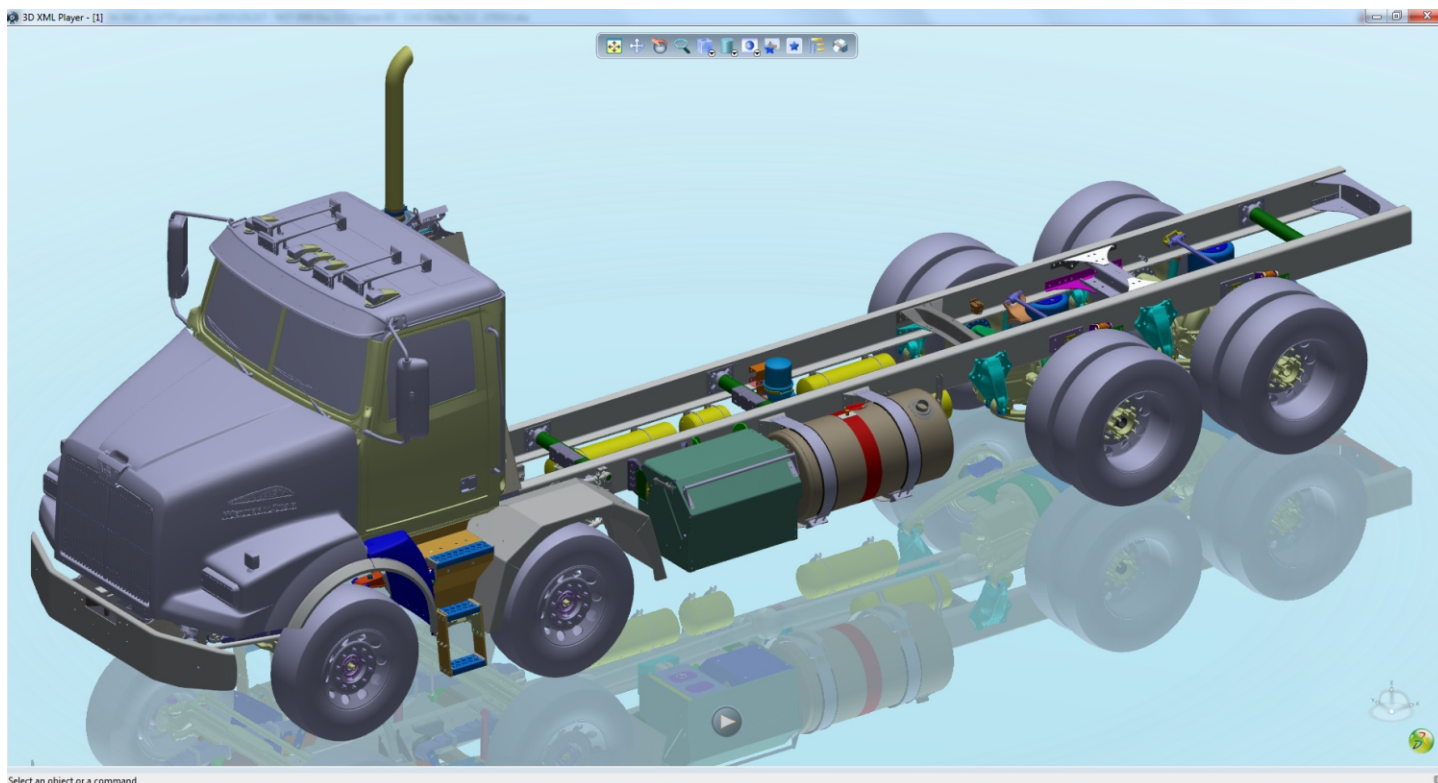
Western Star Bodybuilder Book: Revision 3.1

3D Bodybuilder Model - Serial Specific



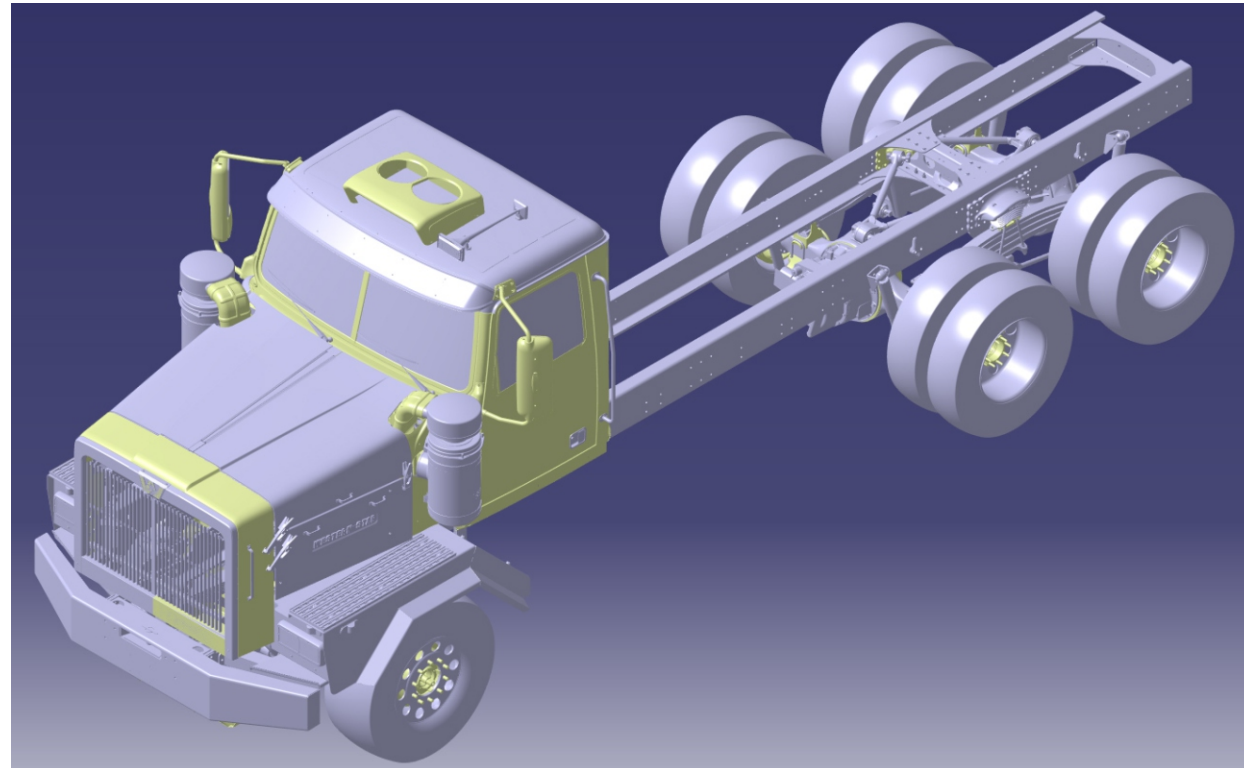
601-013 Serial specific 3D Body Builder Models provide detailed information on specific component placement, suspension and Cab heights for a specific serial number.

Included is a 3D model in STEP format which can be imported into most 3D engineering software and a 2D bodybuilder drawing in DXF and PDF format. A 3DXML file is included for convenience.



Western Star Bodybuilder Book: Revision 3.1

2D & 3D Generic Bodybuilders



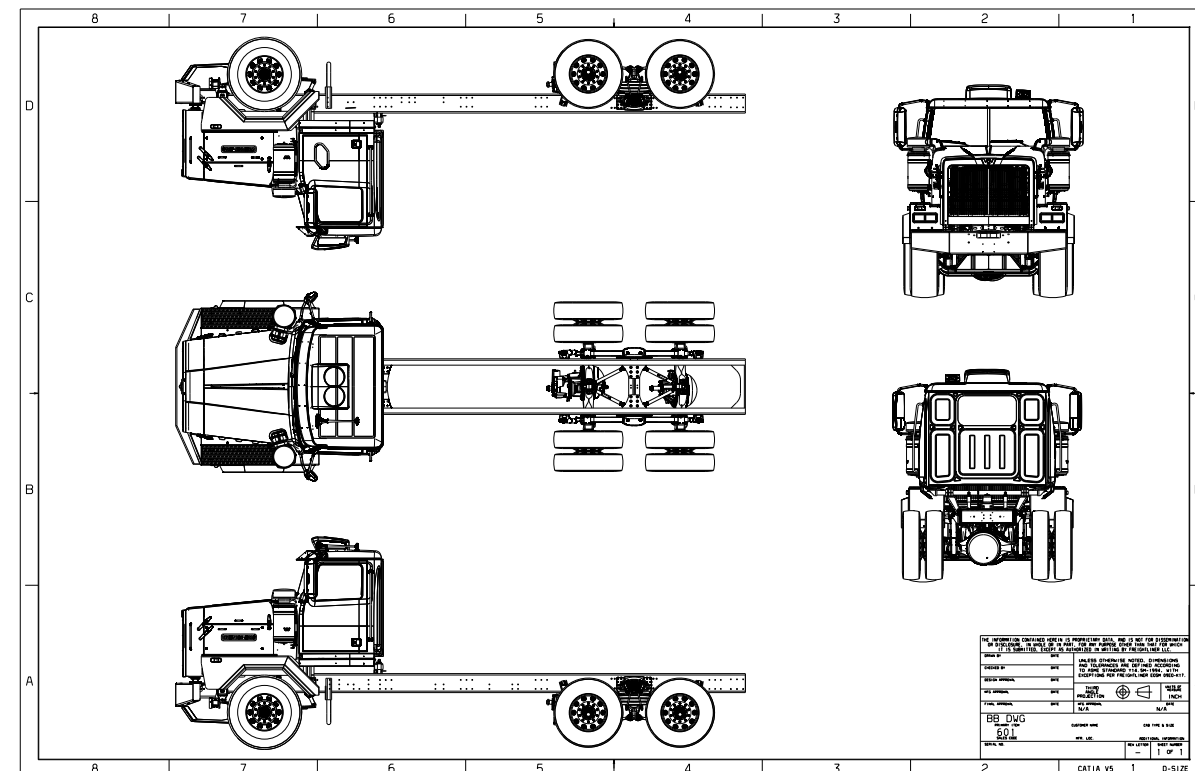
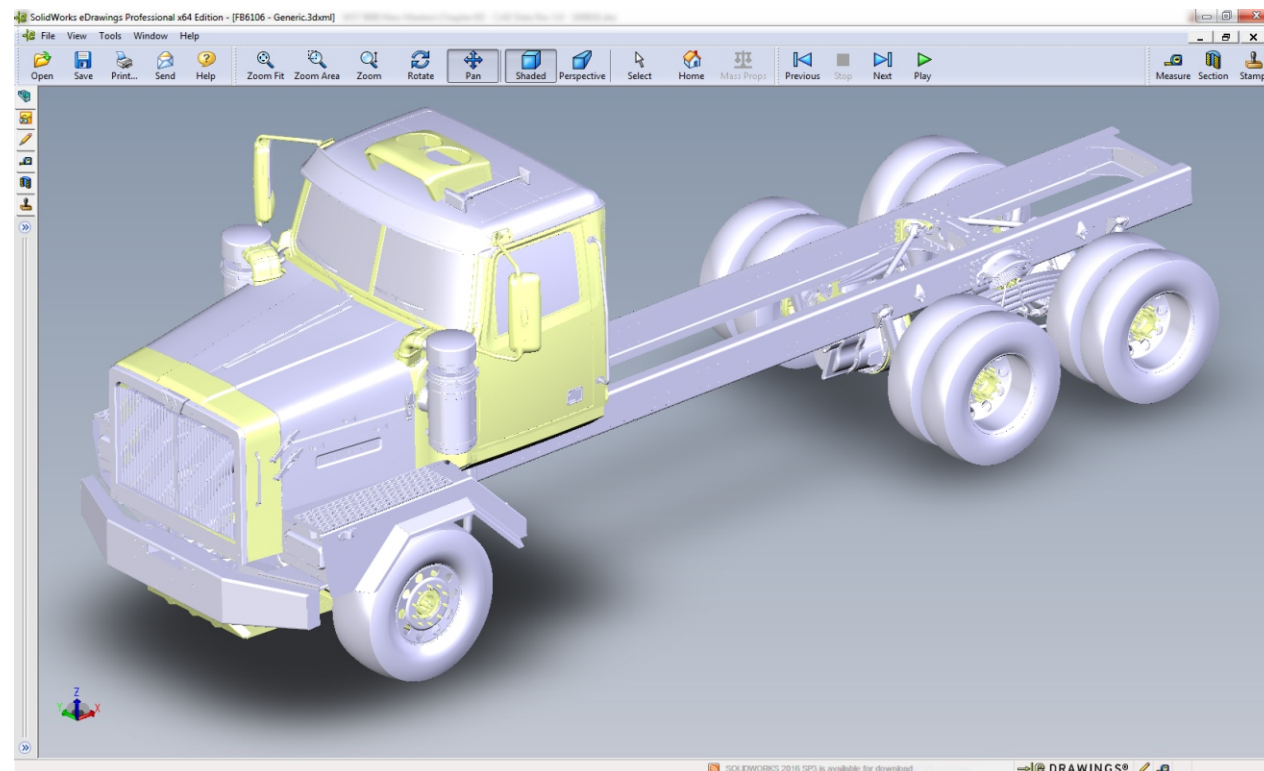
Generic 3D STEP models and 2D DXF drawings are available for all vocational truck models and provide general information which is independent of customer sales order options.

Generic drawings can be requested for immediate download at no cost once a SWAN account has been created.

Not all models and applications have been setup as generic models. Contact Western Star Application Engineering using SWAN setup information on the following page.

Generic models can be quite large but every effort has been made to reduce the size.

2D DXF & 3D STEP formats are available.





Western Star Bodybuilder Book: Revision 3.1

SWAN Account

What is a SWAN Account?

Western Star shares .dxf and .stp engineering models with body builders working on Western Star trucks. All that is required from the body builder is completion of a very brief nondisclosure form.

Since these files can be too large in size for email we use a secure data transfer system (SWAN) to send/and receive such files. This is also more secure than regular email traffic.

To set up a SWAN account send a request via email to **Anthony McParland (anthony.mcparland@daimler.com)** detailing what you need, which model(s) you are working on and any specific chassis or cab areas of interest. A nondisclosure form will be sent you and on return of the completed form a SWAN account will be set up for you. This typically happens in a day or less.
















There are two types of models we can send, generic files of each of our truck models and serial-specific files which mirror a specific serial number.

Serial-specific files are only available **20 days before chassis-start** of the particular serial (to allow time for completion of custom work orders) and can be requested by any WST dealer using data codes 601-009 or 601-013 depending if 2D .dxf only or 3D .stp files are required. There are charges for these files.

Generic 3D .stp and .dxf files are immediately available and are free of charge. Several variants of these are available for all vocational models and they can be manipulated in CAD systems to better match your specific needs. They have been made “generic” by stripping out any confidential information requested by dealers who ordered the “serial-specific” category described above.

On receipt of the files you can simply and quickly build up the truck model from these packages and modify to suit your needs.

The models come as zipped files and contain .html and .pdf files as well as the .stp and .dxf files as shown:

 ATS EXHAUST.stp	DirectModel Document (.stp)	36,829 KB	No
 AXLES TIRES DLINE.stp	DirectModel Document (.stp)	9,081 KB	No
 CAB HOOD.stp	DirectModel Document (.stp)	45,864 KB	No
 COG GW4971.stp	DirectModel Document (.stp)	9 KB	No
 GW4971 BBD.3dxml	Dassault Systemes 3D XML ...	52,183 KB	No
 GW4971.jpg	JPEG image	95 KB	No
 GW4971_Sheet_001.dxf	ImageView Document (.dxf)	890 KB	No
 GW4971_Sheet_001.pdf	Adobe Acrobat Document	573 KB	No
 GW4971_Sheet_002.dxf	ImageView Document (.dxf)	1,448 KB	No
 GW4971_Sheet_002.pdf	Adobe Acrobat Document	937 KB	No
 GW4971_Sheet_003.dxf	ImageView Document (.dxf)	839 KB	No
 GW4971_Sheet_003.pdf	Adobe Acrobat Document	551 KB	No
 GW4971_Sheet_004.dxf	ImageView Document (.dxf)	1,300 KB	No
 GW4971_Sheet_004.pdf	Adobe Acrobat Document	858 KB	No
 GW4971-CHASSIS.stp	DirectModel Document (.stp)	47,719 KB	No

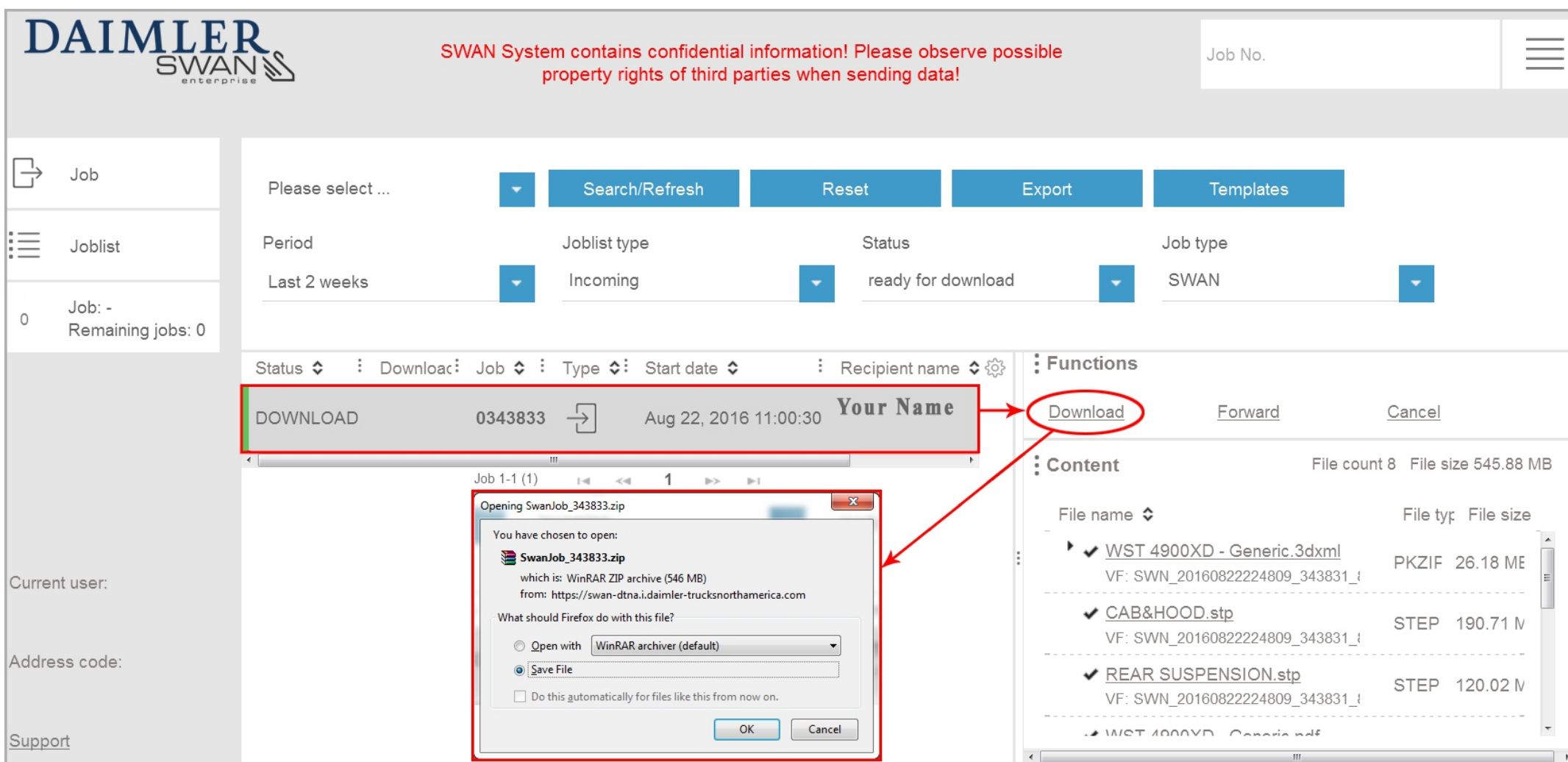


The login page features the Daimler SWAN enterprise logo on the left. On the right, there are two input fields for username and password, each preceded by an icon (a person for username and a padlock for password). A 'Login' button is located at the bottom right of the input fields.

To access SWAN enter the following web address in your web browser:
<https://swan-dtna.i.daimler-trucksnorthamerica.com/>

This will bring you to the SWAN login page as shown (top left). Enter the login username and password with which you were provided. This will bring you to the joblist page within the SWAN system (bottom left).

Use the search filter drop down menus (blue arrows) to configure the search filters as shown and click the blue "Search/Refresh" button.



The screenshot shows the SWAN joblist page. At the top, there's a warning: "SWAN System contains confidential information! Please observe possible property rights of third parties when sending data!". Below this, there's a search bar and several filter buttons: "Search/Refresh", "Reset", "Export", and "Templates". The filters are set to: Period: Last 2 weeks, Joblist type: Incoming, Status: ready for download, and Job type: SWAN. A table lists jobs, with one job highlighted: "0343833" with a download icon and the name "Your Name". A red box highlights this row, and a red arrow points to the "Download" link in the "Functions" column. A popup window titled "Opening SwanJob_343833.zip" is shown, asking "What should Firefox do with this file?". The options are "Open with WinRAR archiver (default)" and "Save File". The "Save File" option is selected.

You should now see your job in the job list on the left side of the webpage. Clicking on this job will display the job information and options on the right hand side of the webpage. Click on the "download" link in the right pane and you will be provided with a file download popup. Select "save file" and click ok. This will download the job files to your computer.

That's it! You can now log out of SWAN.

For more detailed information on SWAN usage please consult the DTNA SwanWeb External Users Guide which can be found here:
<https://swan-dtna.i.daimler-trucksnorthamerica.com/dtna/download/Swan/External-Swan-Guidelines.pdf>