digipara® liftdesigner

Product Loading: Doors

Recommendation

ONLINE TRAINING

Are you an attendee in a DigiPara Liftdesigner online training module?

We recommend to print these out in advance so that you have a handout for your own editing and for your notes during your training.

Agenda

Day 1

Session 1

PL4.1 Doors

- Landing Door
- Car Door
- Door Assignment

Day 2

Session 2

PL4.2 Door Accessoires

- Door Fixings
- Fixing Groups
- Door Jambs
- Jambs Wallopenings

Agenda

Day 2

Session 3

PL4.3 Options for Doors

- Glass Panels
- Car Door Drives

PL4.4 Summary

- Custom Q&A’s

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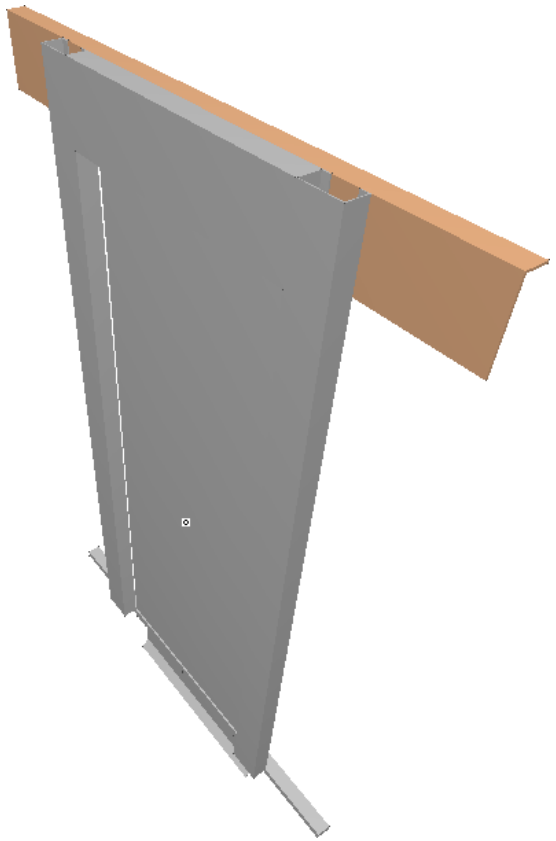
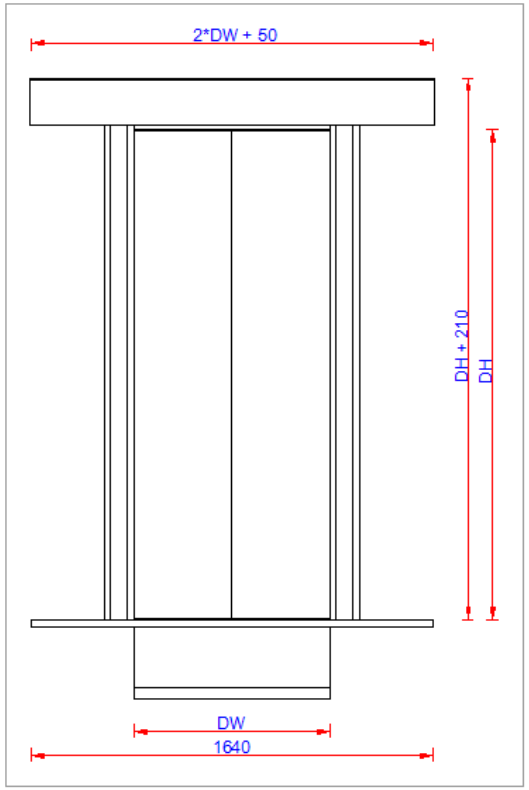
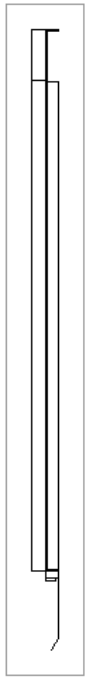
PL4.1

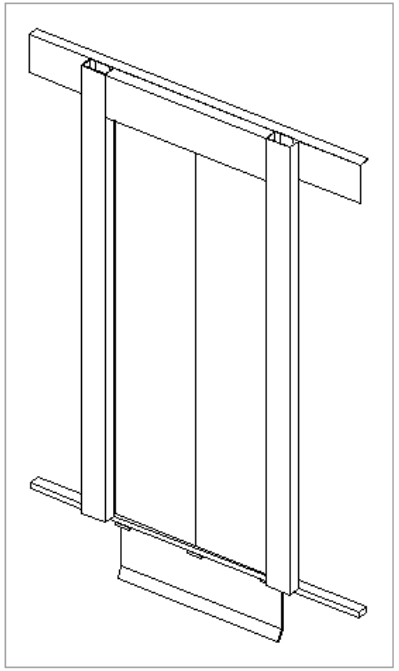
Landing Door

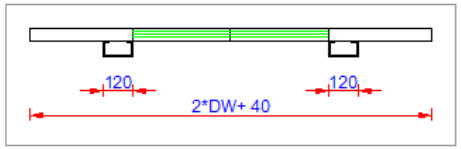
PL4.1 Landing Door











Copy a similar BIM Component

Copy a similar BIM Component

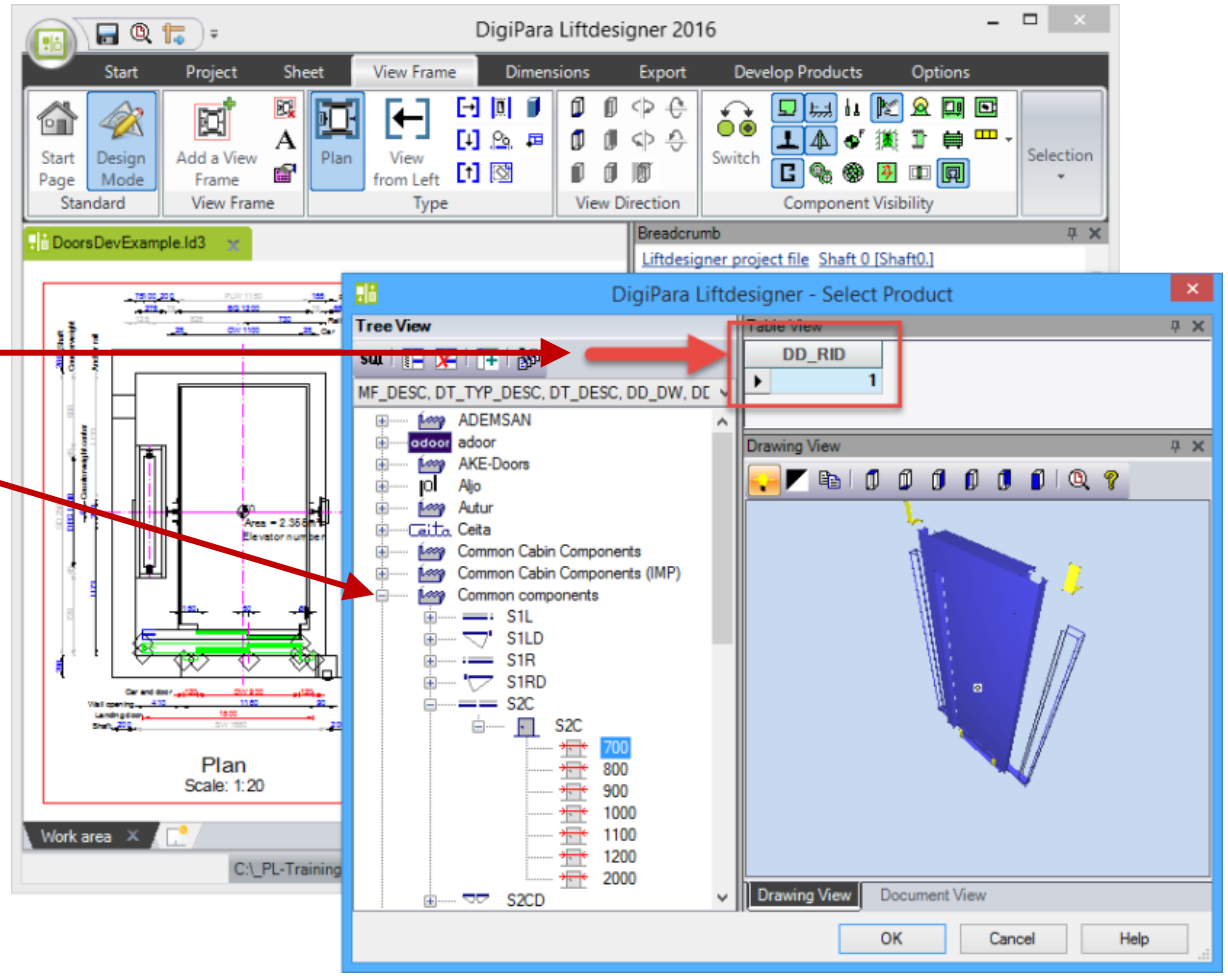
4.1 LANDING DOOR

Find a similar BIM Component

- in DigiPara Liftdesigner

Find out:

- Unique RID number
- Manufacturer / BIM Library



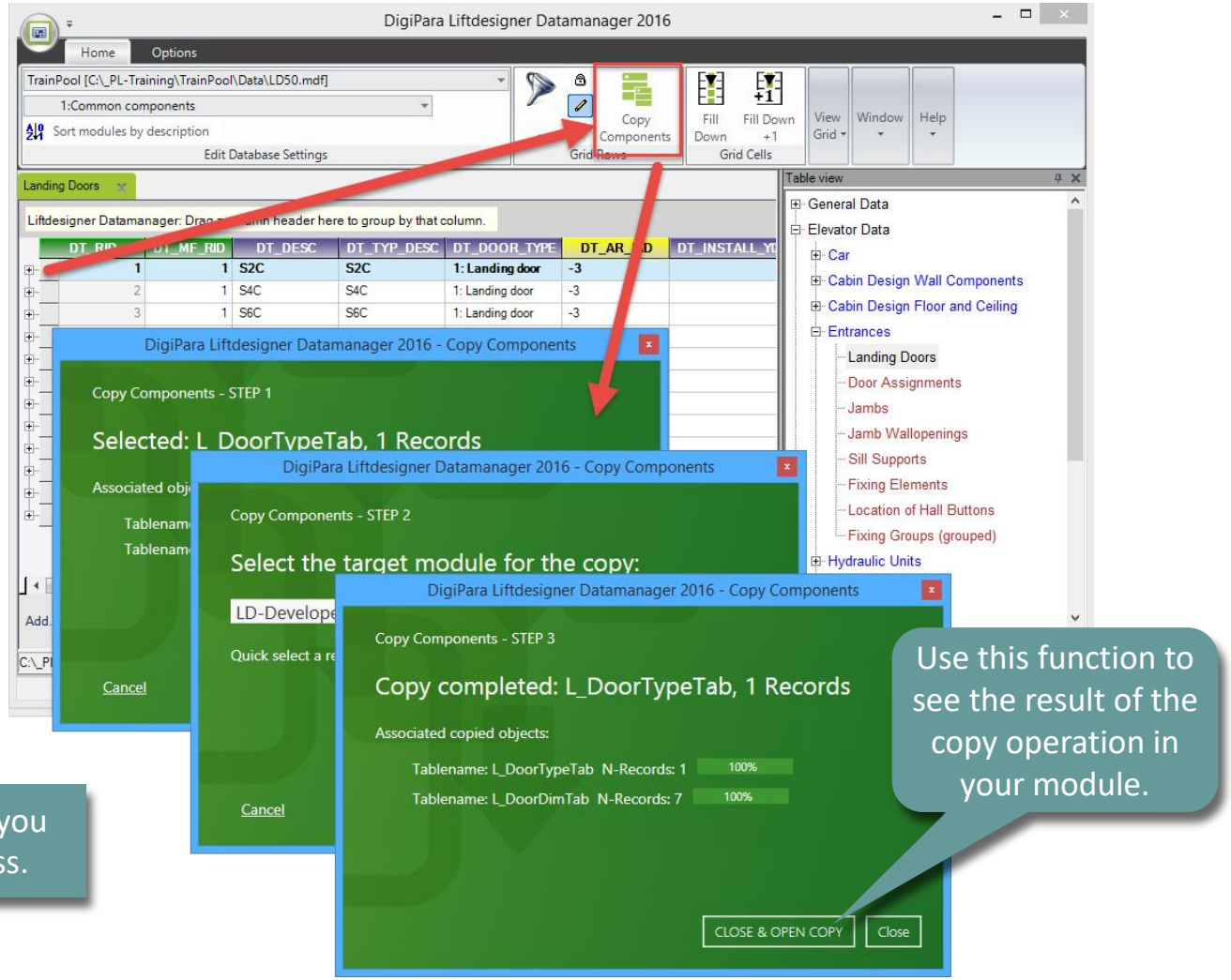
Copy a similar BIM Component

4.1 LANDING DOOR

Copy a similar BIM Component

- in DigiPara Liftdesigner Datamanager

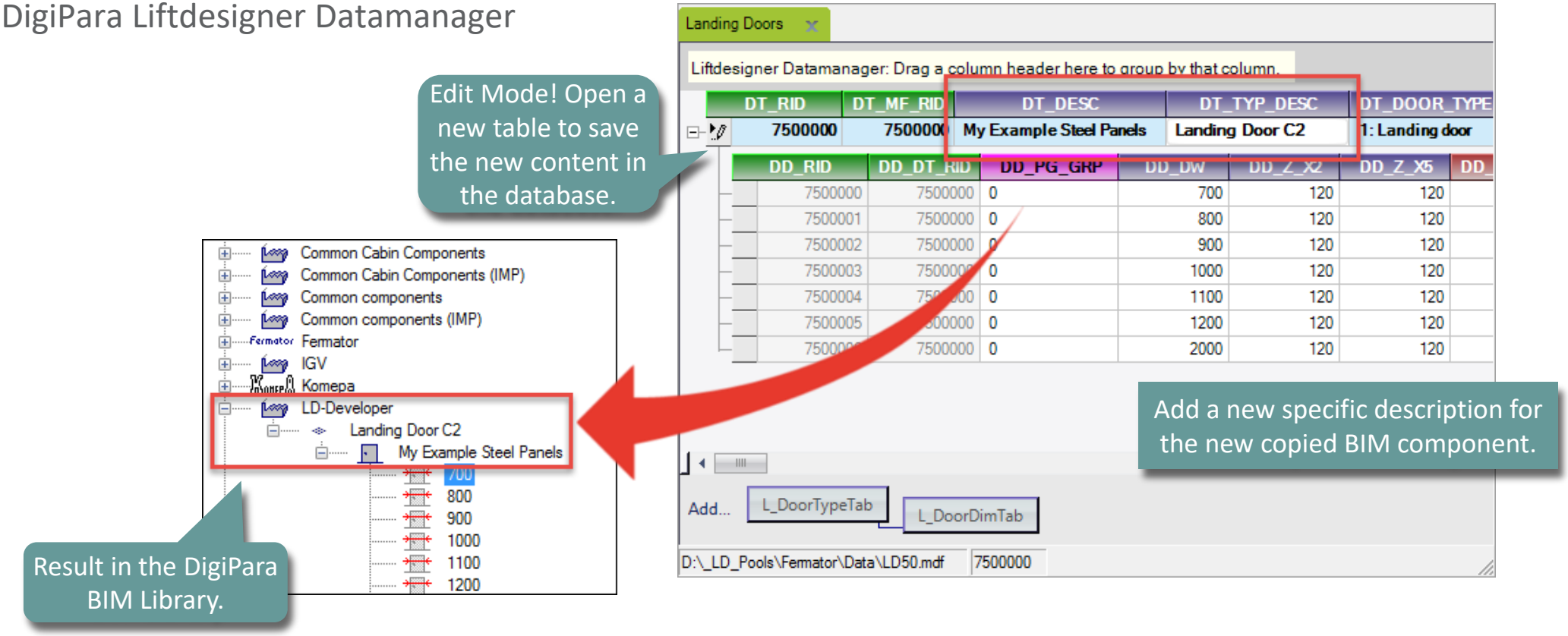
- The new component is copied with all parameters and values into your manufacturer module.



Edit the Meta Data

Edit the Meta Data - Description

- in DigiPara Liftdesigner Datamanager



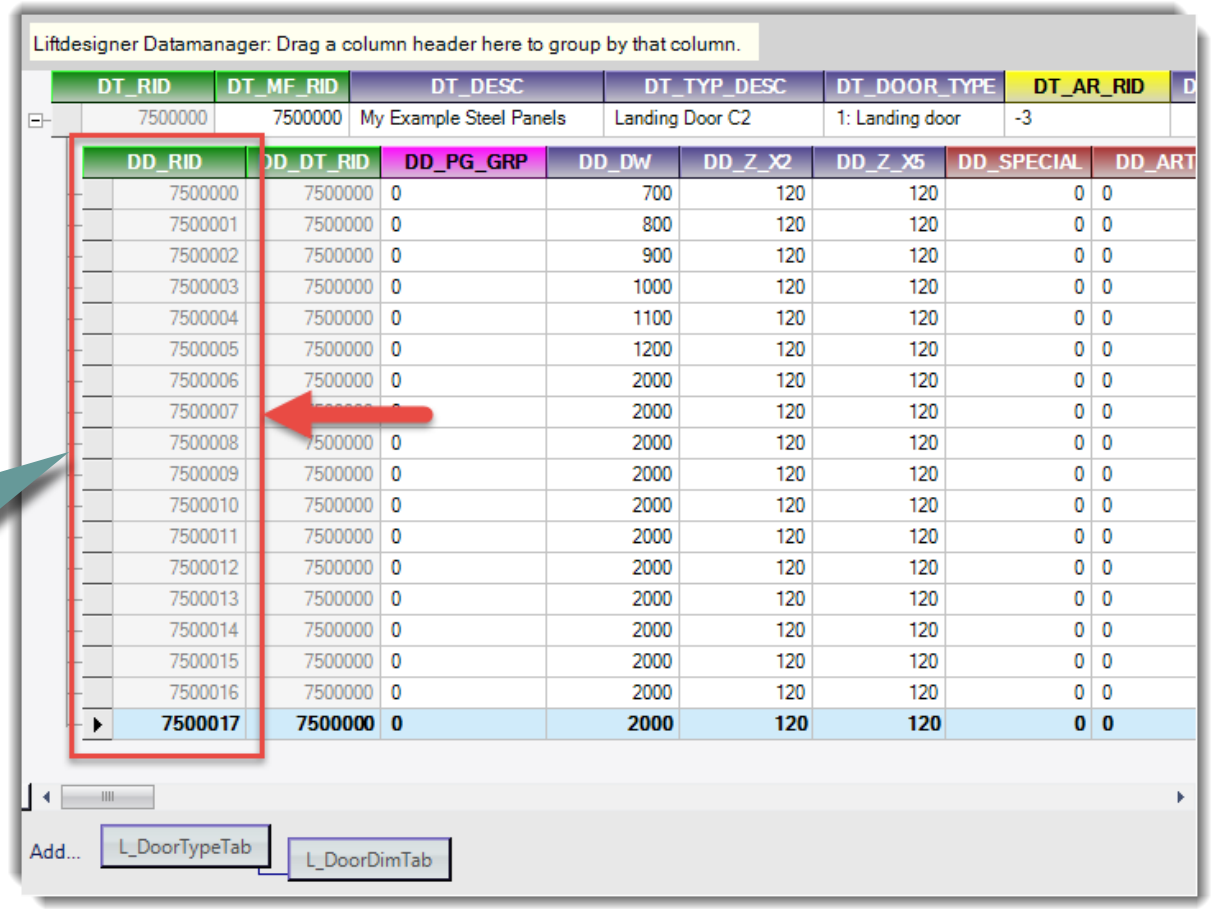
Edit the Meta Data

4.1 LANDING DOOR

Copy and paste Data Rows

- in DigiPara Liftdesigner Datamanager
- with the complete existing content

Select an existing data row and use Ctrl. + C / Ctrl. + V on your keyboard to fill down the data table.

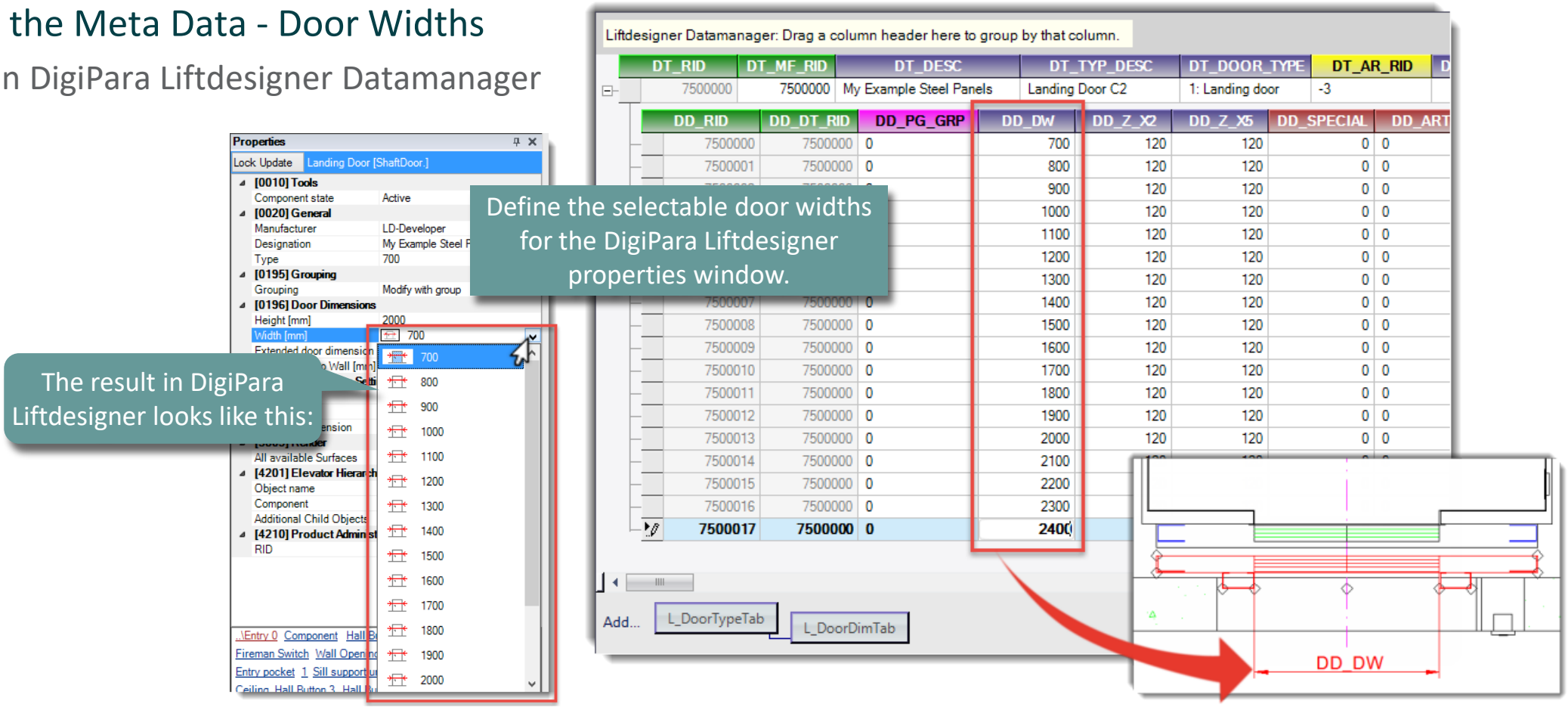


Edit the Meta Data

4.1 LANDING DOOR

Edit the Meta Data - Door Widths

- in DigiPara Liftdesigner Datamanager

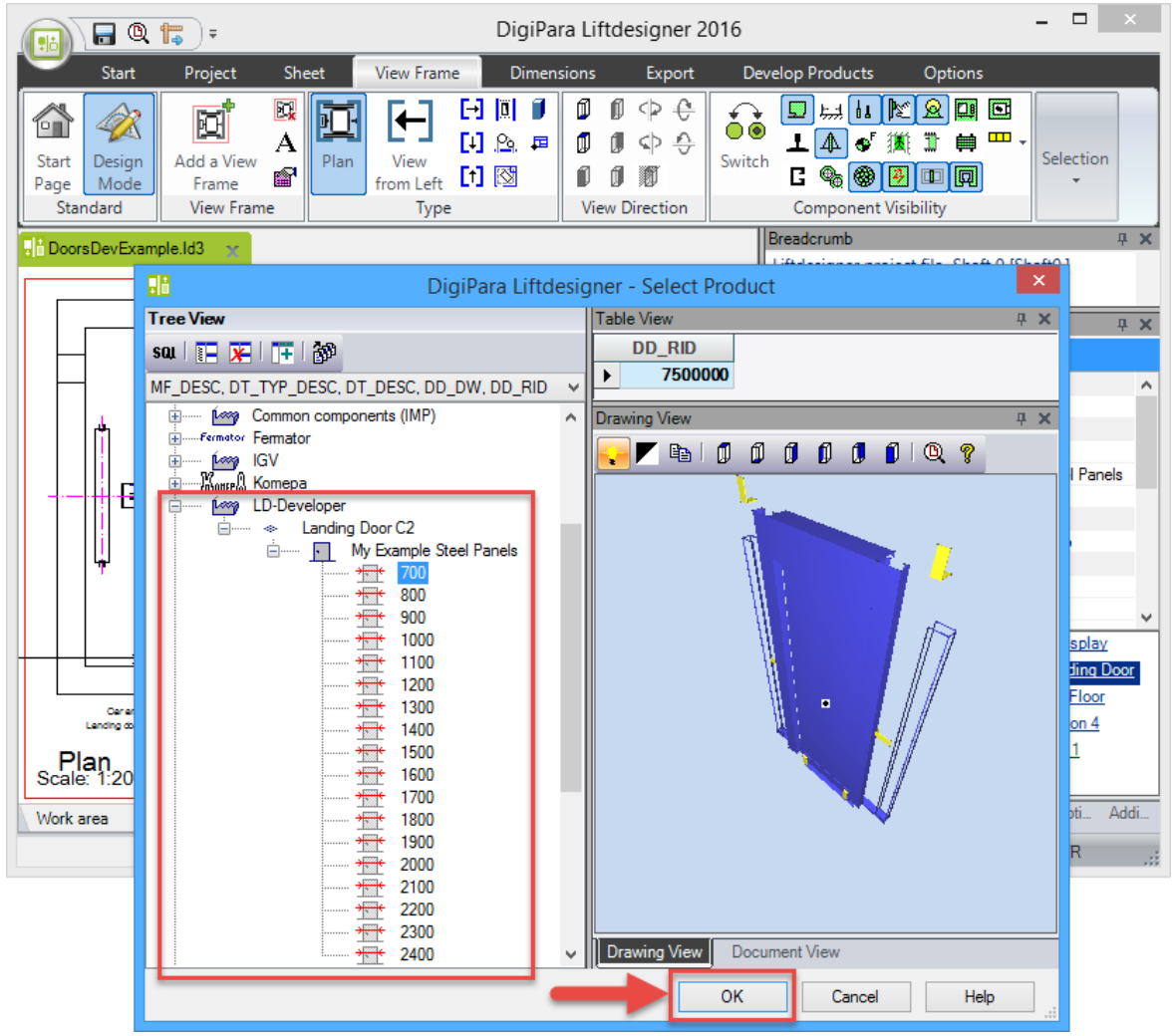


Load your edited BIM Component

Load your edited BIM Component

4.1 LANDING DOOR

- … in DigiPara Liftdesigner

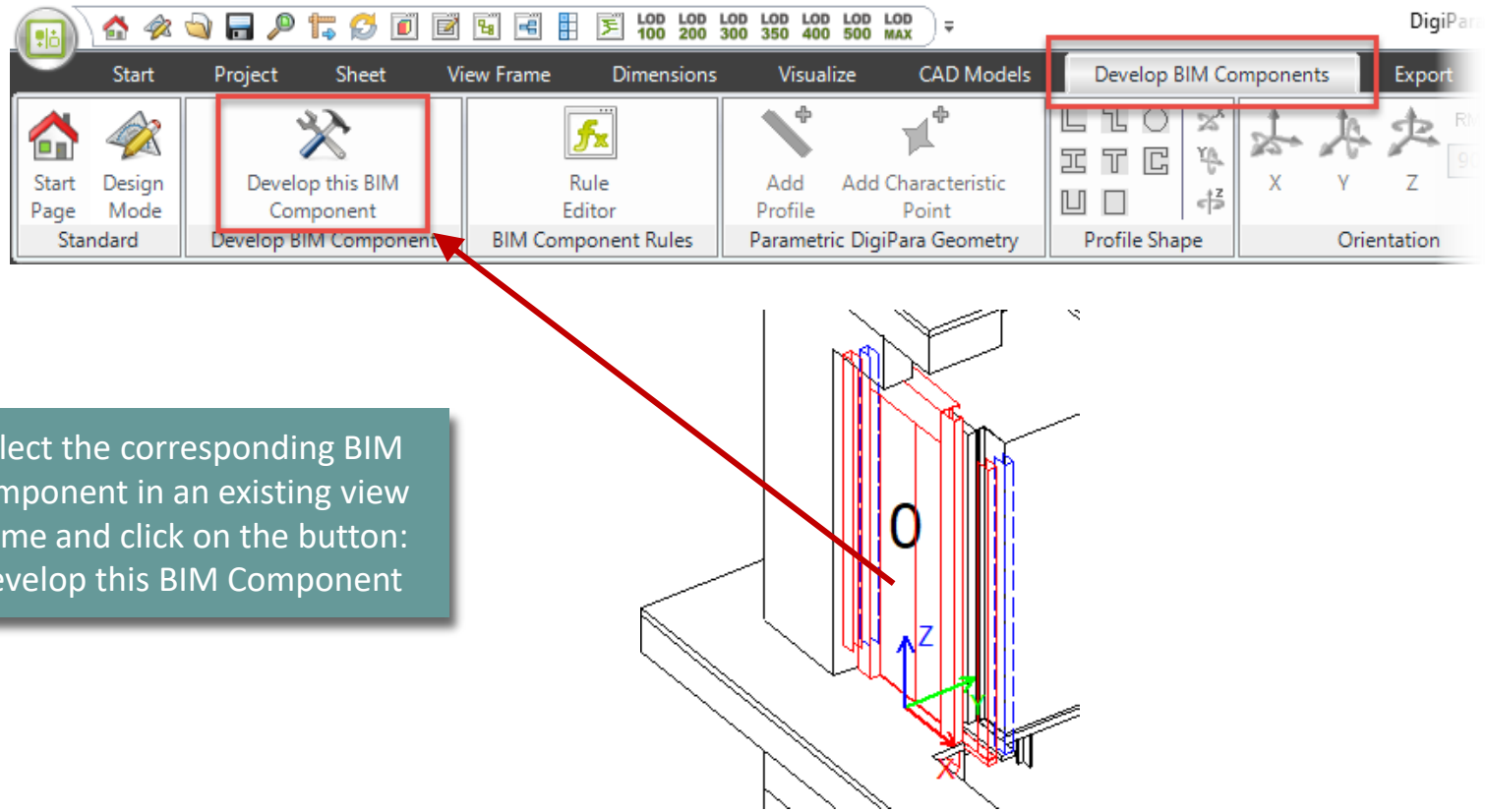


Load the Developer Work Area

Load the Developer Work Area

4.1 LANDING DOOR

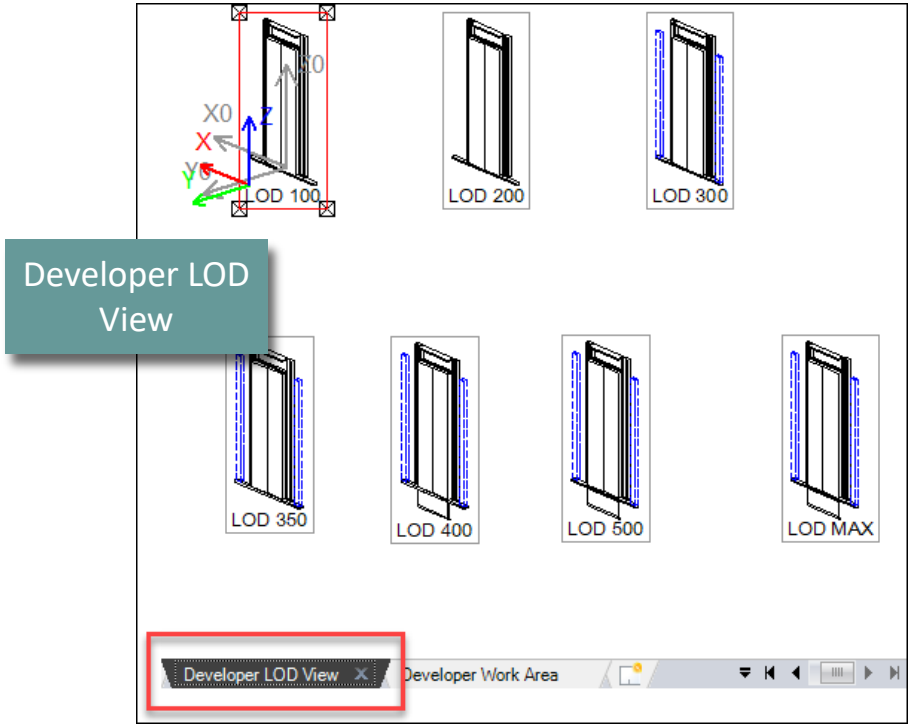
- … in DigiPara Liftdesigner



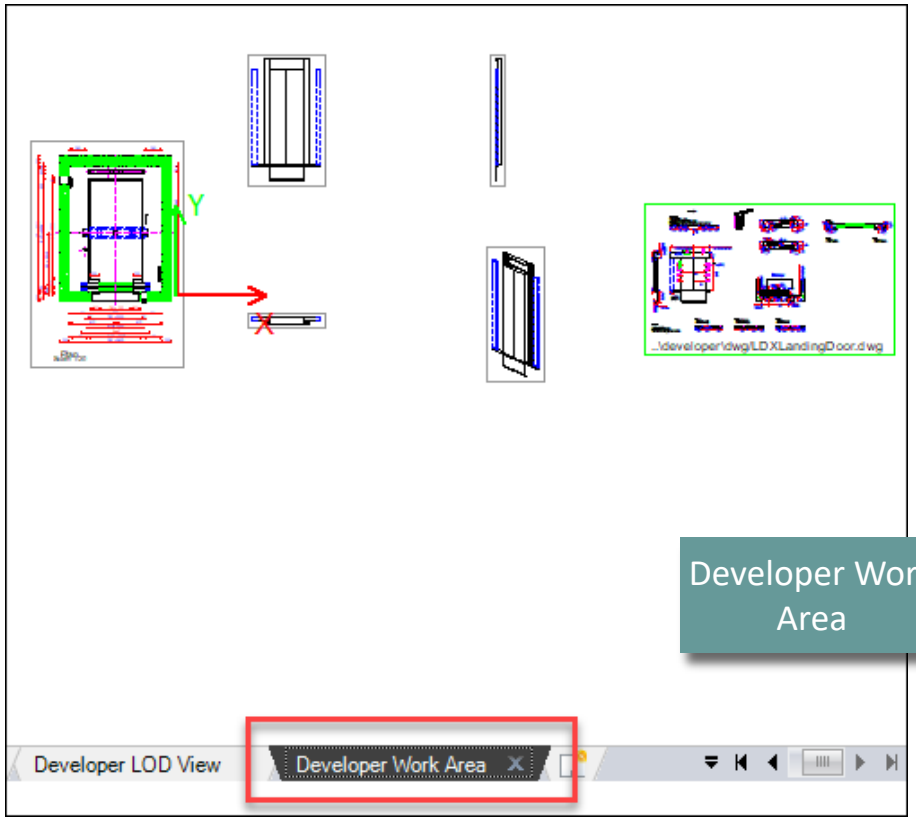
Load the Developer Work Area

4.1 LANDING DOOR

Next to the Developer Work Area DigiPara Liftdesigner automatically loads a Developer LOD View sheet additionally.



Developer LOD View



Developer Work Area

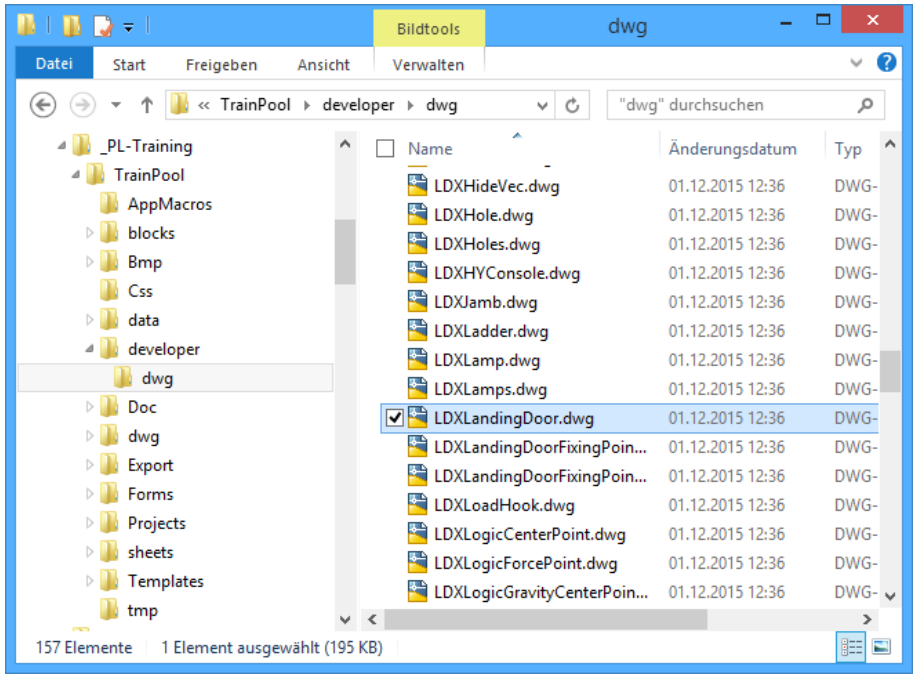
Use Explanation of Parameters and Values

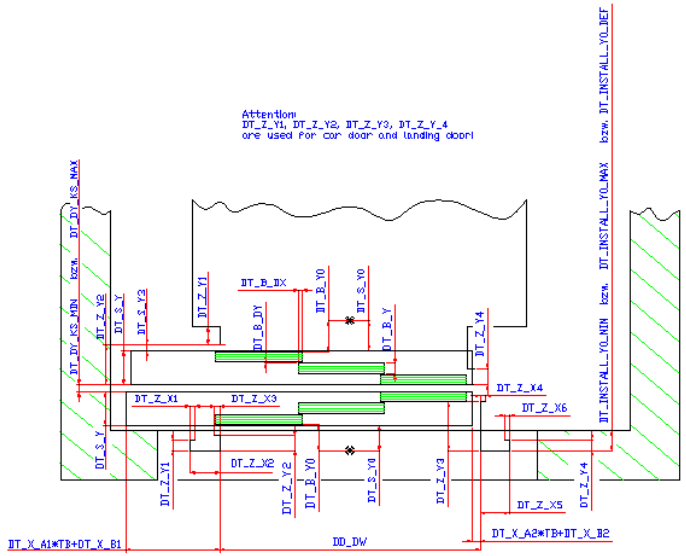
Use Explanation of Parameters and Values

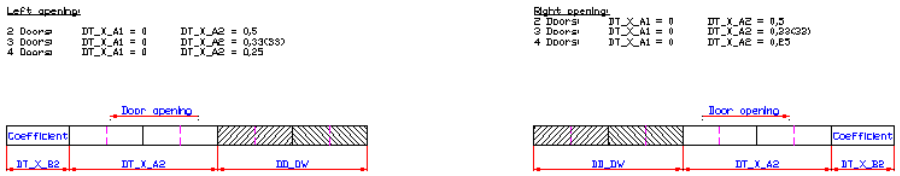
4.1 LANDING DOOR

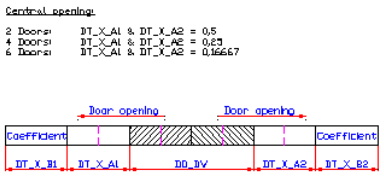
Use the Explanation of Parameters and Values

- in DigiPara Liftdesigner Datapool
  - (C:\ProgramData\DigiPara\dcc\DataPool\developer)





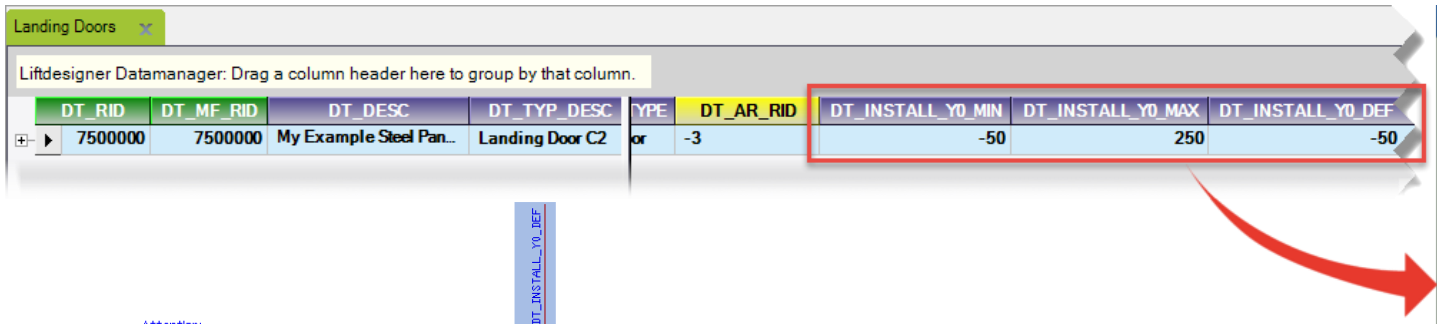


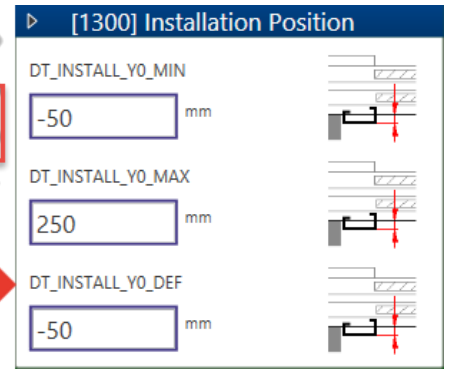


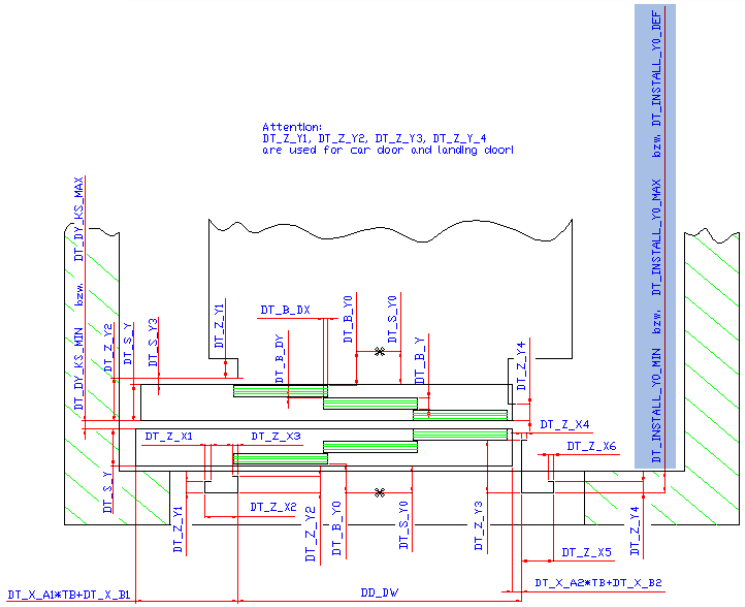
Use Explanation of Parameters and Values

4.1 LANDING DOOR

Define typical 3D-Parameters: Installation Position







DT_INSTALL_Y0_MIN	Minimum installation-deep in y-direction
DT_INSTALL_Y0_MAX	Maximum installation-deep in y-direction
DT_INSTALL_Y0_DEF	Default installation-deep in y-direction.

Developer .dwg file

Use Explanation of Parameters and Values

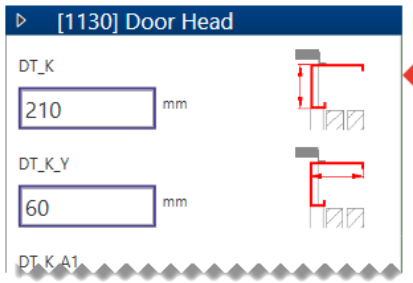
4.1 LANDING DOOR

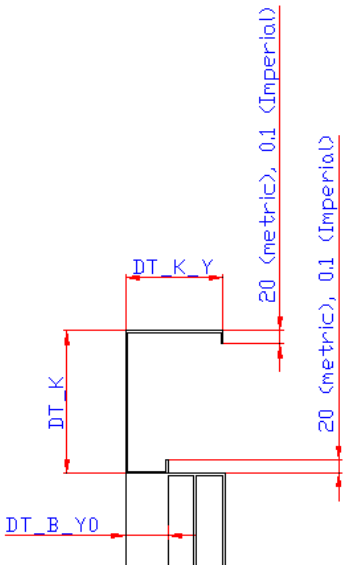
Define typical 3D-Parameters: Door Head

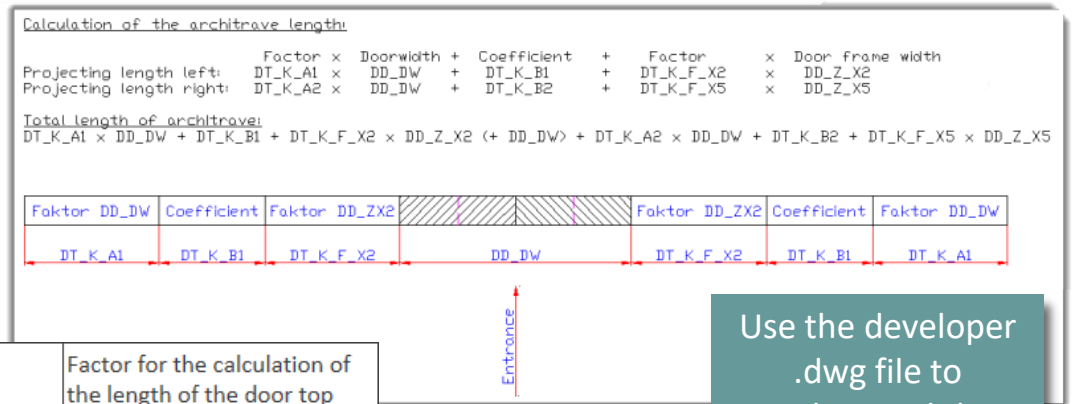
DT_KL and DT_KR only for car doors

Liftdesigner Datamanager: Drag a column header here to group by that column.

DT_RID	DT_MF_RID	DT_DESC	DT_TYP_DESC	DT_K	DT_K_Y	DT_K_A1	DT_K_B1	DT_K_A2	DT_K_B2	DT_K_F_X2	DT_K_F_X5	DT_KL	DT_KR	DT_D
7500000	7500000	My Example Steel Pan...	Landing Door C2	210	60	0,5	0	0,5	0	0	0	0	0	







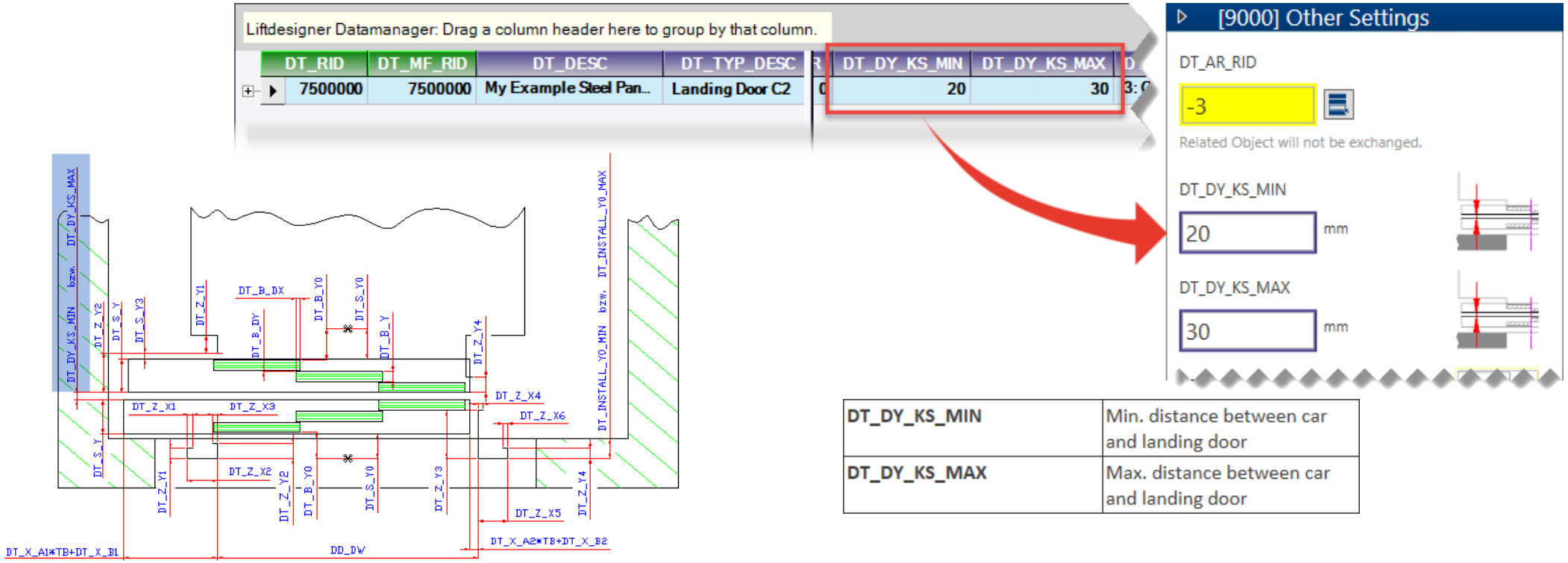
DT_K_A1	Factor for the calculation of the length of the door top L=**DT_K_A1** * DD_DW + DT_K_B1
DT_K_A2	Factor for the calculation of the length of the door top L=**DT_K_A2** * DD_DW + DT_K_B2

Use the developer .dwg file to understand the calculation of the architrave lenght.

Use Explanation of Parameters and Values

4.1 LANDING DOOR

Define typical 3D-Parameters: Settings for Compatibility

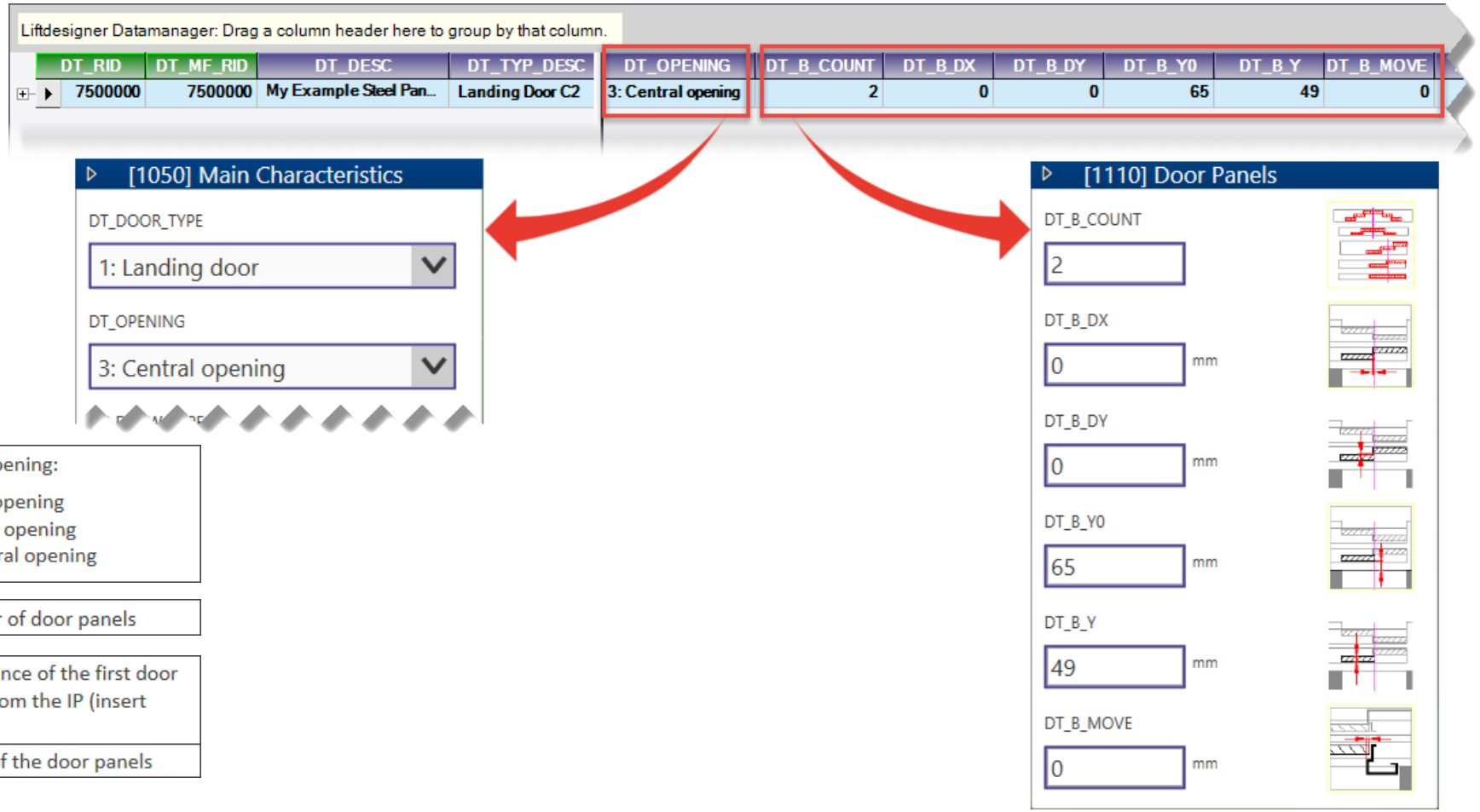


DT_DY_KS_MIN	Min. distance between car and landing door
DT_DY_KS_MAX	Max. distance between car and landing door

Use Explanation of Parameters and Values

4.1 LANDING DOOR

Define typical 3D-Parameters: Opening Type & Door Panels



DT_OPENING	Door-opening: 1 - left opening 2 - right opening 3 - central opening

DT_B_COUNT	Number of door panels

DT_B_Y0	Y-clearance of the first door panel from the IP (insert point)
DT_B_Y	Depth of the door panels

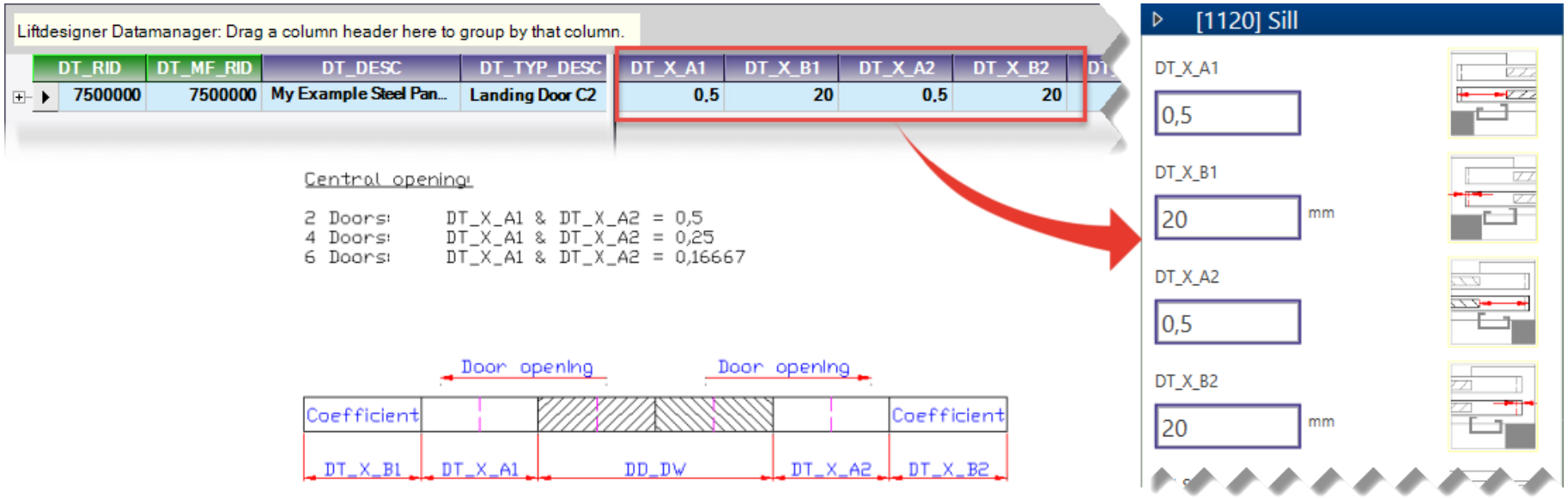
Use Explanation of Parameters and Values

4.1 LANDING DOOR

Define typical 3D-Parameters: Length of Sill

DT_X_A1	Factor for the calculation from the length of the sill: L= **DT_X_A1** * DD_DW + DT_X_B1
DT_X_B1	Const. coefficient for the length of the sill: L= DT_X_A1 * DD_DW + **DT_X_B1**

DT_X_A2	Factor for the calculation from the length of the sill: L= **DT_X_A2** * DD_DW + DT_X_B2
DT_X_B2	Const. coefficient for the length of the sill: L= DT_X_A2 * DD_DW + **DT_X_B2**

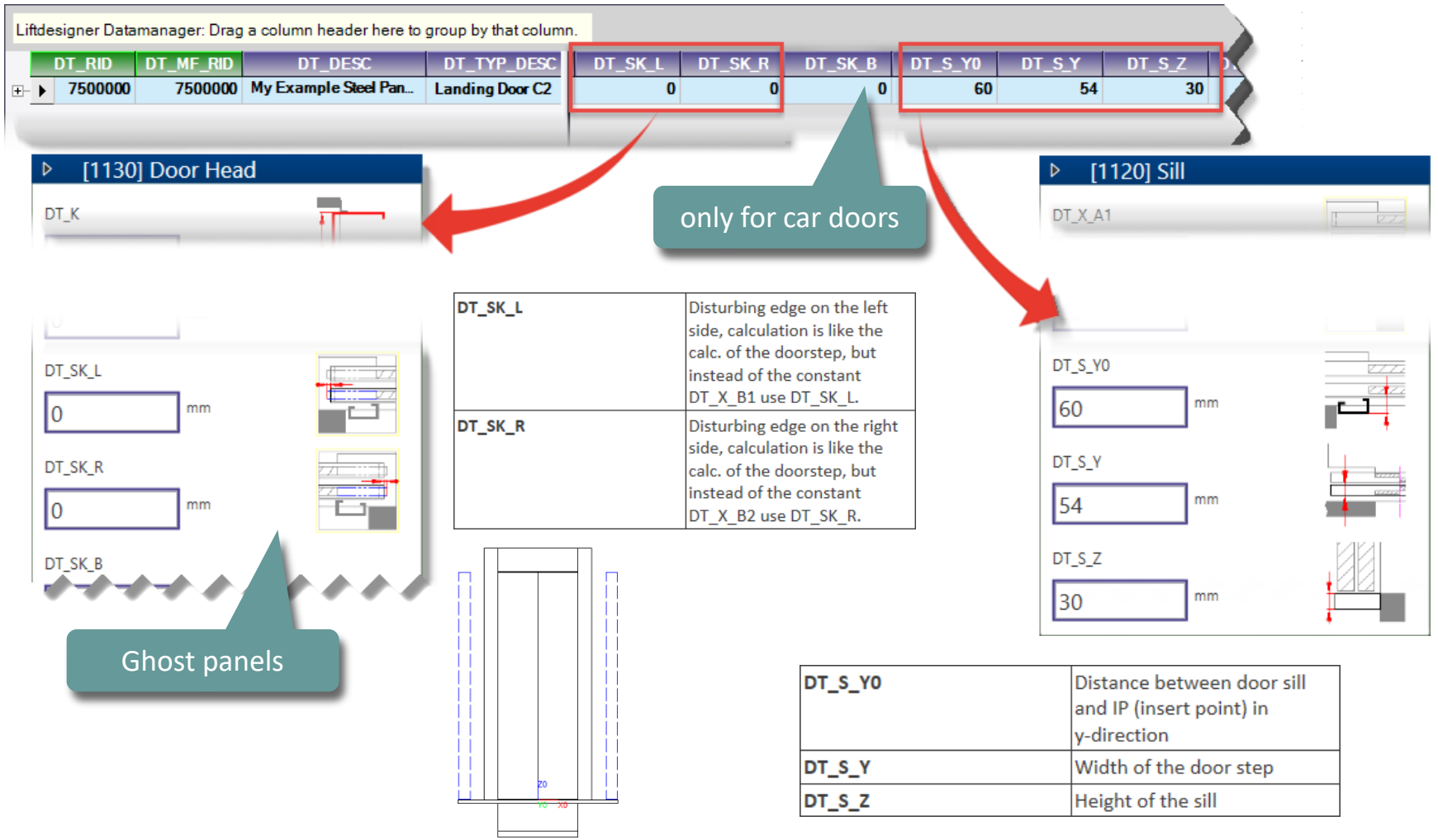


Use Explanation of Parameters and Values

4.1 LANDING DOOR

digipara® liftdesigner

Define typical 3D-Parameters: Ghost Panels & Sill Dimensions



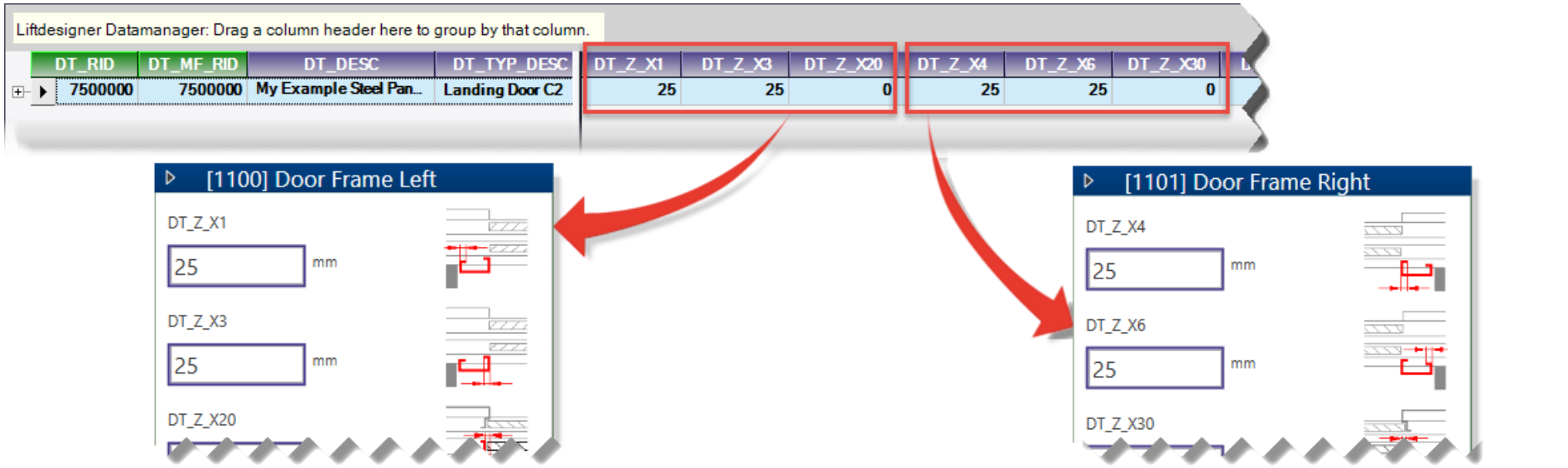
DT_SK_L	Disturbing edge on the left side, calculation is like the calc. of the doorstep, but instead of the constant DT_X_B1 use DT_SK_L.
DT_SK_R	Disturbing edge on the right side, calculation is like the calc. of the doorstep, but instead of the constant DT_X_B2 use DT_SK_R.

DT_S_Y0	Distance between door sill and IP (insert point) in y-direction
DT_S_Y	Width of the door step
DT_S_Z	Height of the sill

Use Explanation of Parameters and Values

4.1 LANDING DOOR

Define typical 3D-Parameters: Door Frame Size left / right in X-Direction



DT_Z_X1	Profile of the architrave. First x-value of the left architrave.
DT_Z_X3	Profile of the architrave. Third x-value of the left architrave.

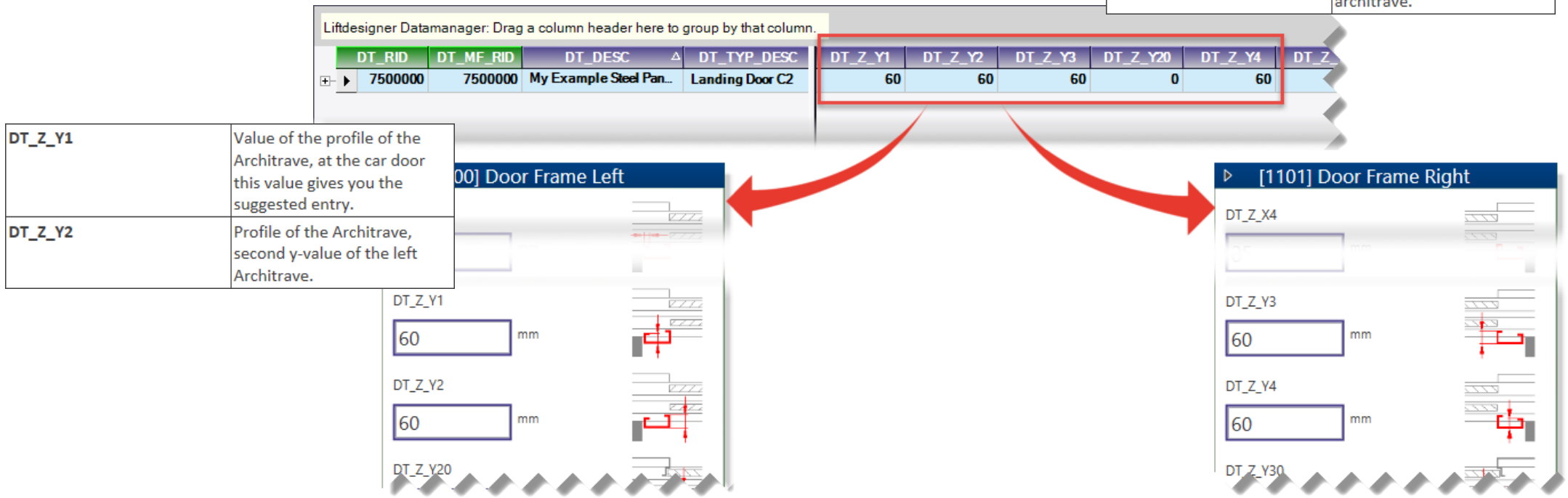
DT_Z_X4	Profile of the architrave. First x-value of the right architrave.
DT_Z_X6	Profile of the architrave. Third x-value of the right architrave.

Use Explanation of Parameters and Values

4.1 LANDING DOOR

Define typical 3D-Parameters: Door Frame Size left / right in Y-Direction

DT_Z_Y3	Profile of the architrave, first y-value of the right architrave.
DT_Z_Y4	Profile of the architrave, second y-value of the right architrave.



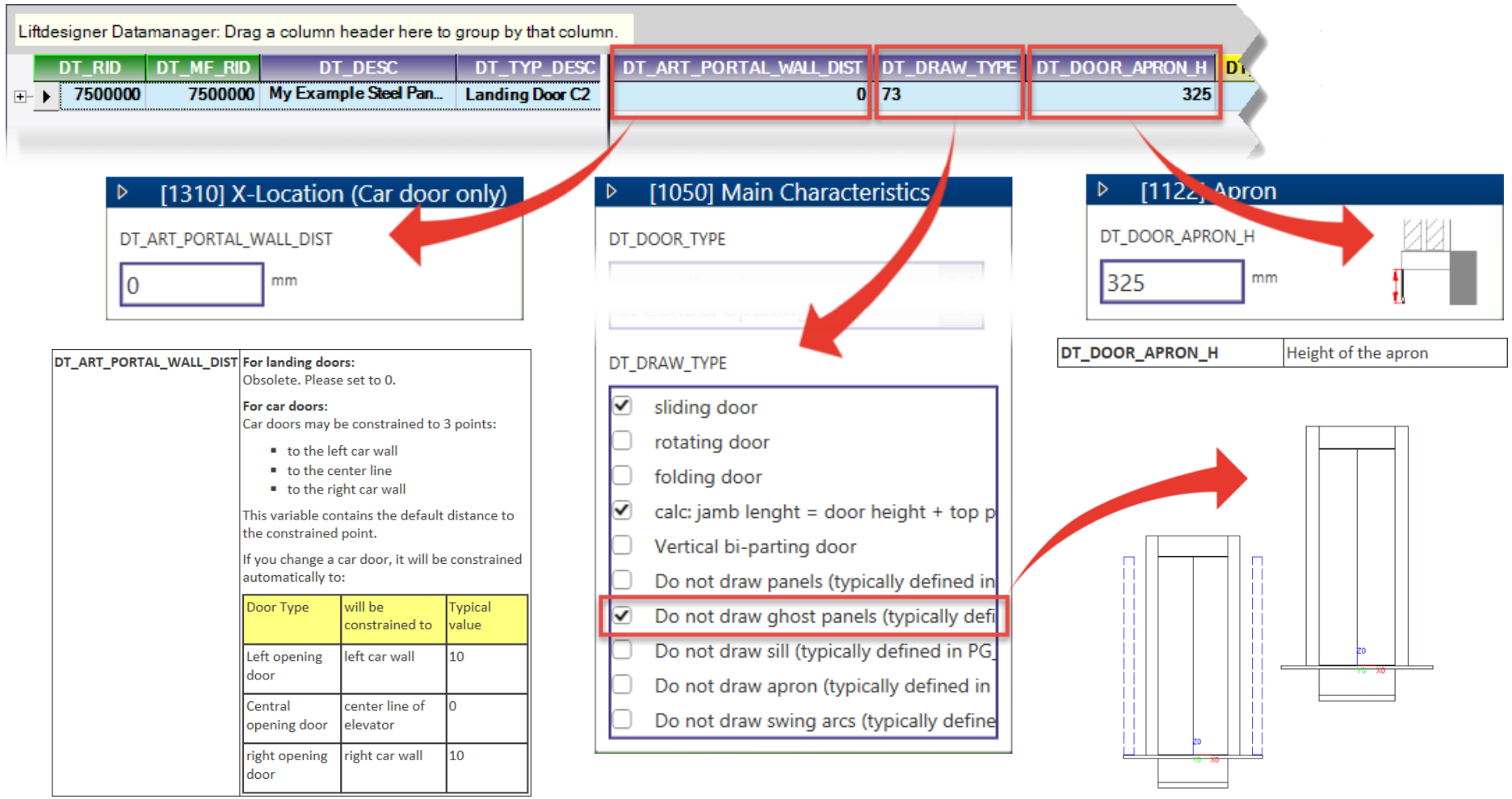
DT_Z_Y1	Value of the profile of the Architrave, at the car door this value gives you the suggested entry.
DT_Z_Y2	Profile of the Architrave, second y-value of the left Architrave.

Use Explanation of Parameters and Values

4.1 LANDING DOOR

digipara® liftdesigner

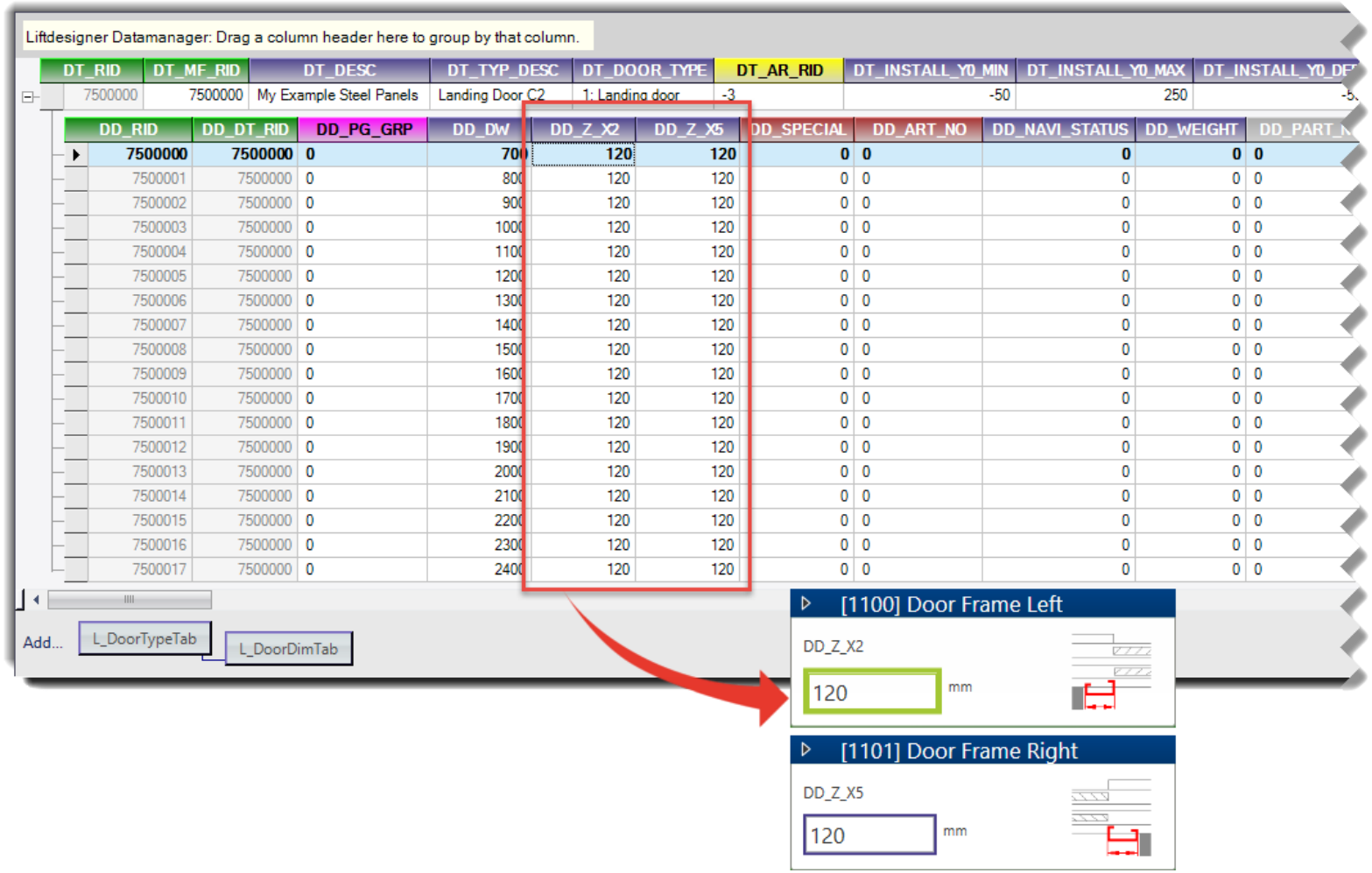
Define typical 3D-Parameters: Main Characteristic & Apron Size



Use Explanation of Parameters and Values

4.1 LANDING DOOR

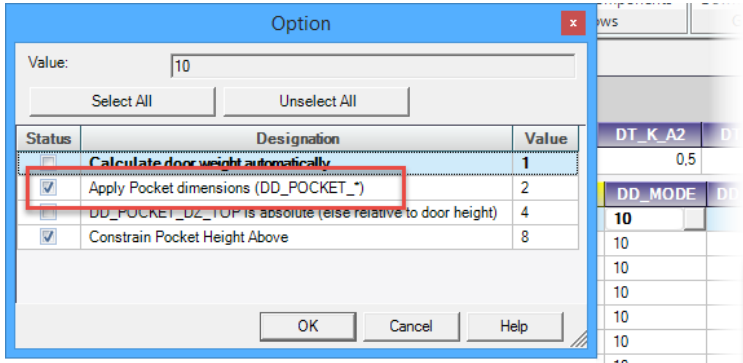
Define typical 3D-Parameters: Door Frame left / right – Jamb Width

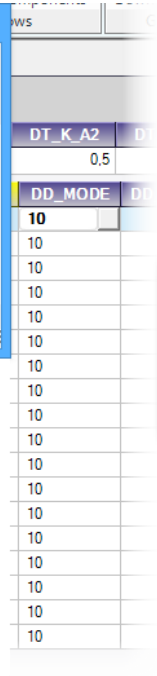


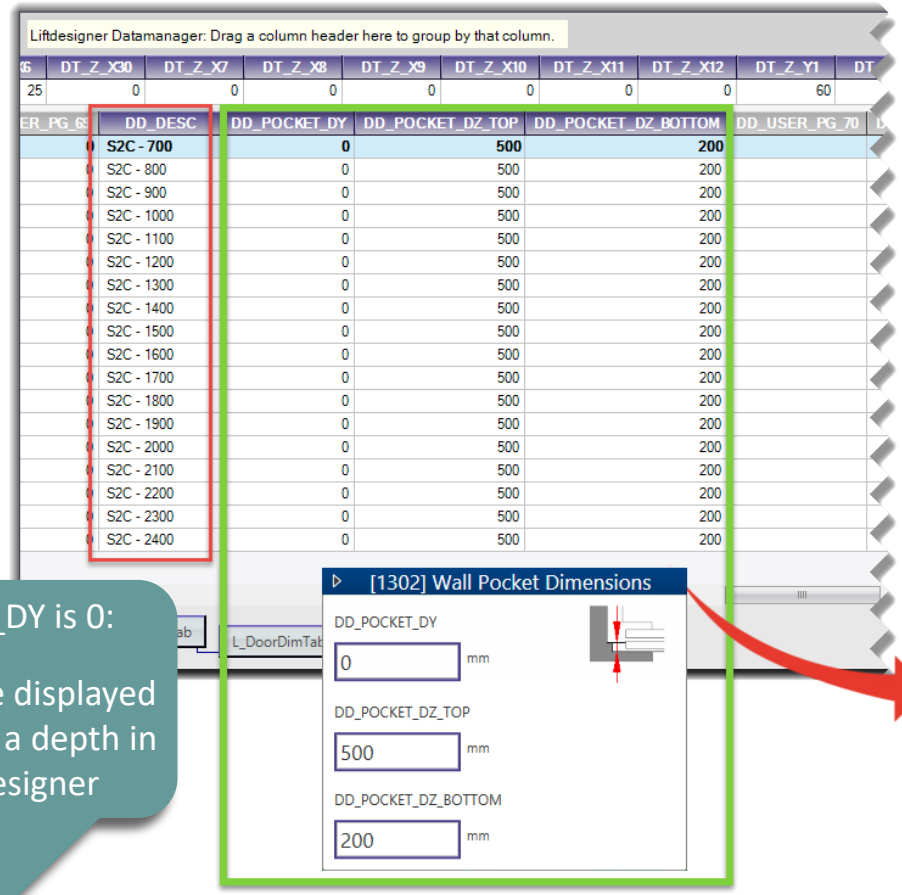
Use Explanation of Parameters and Values

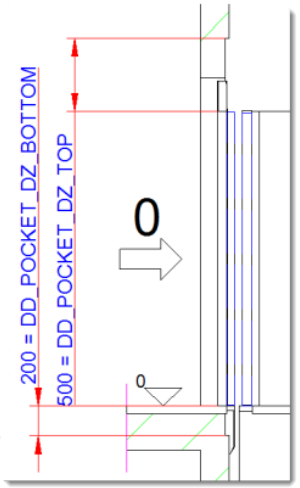
4.1 LANDING DOOR

- Edit the DD_DESC Column
- Define typical 3D-Parameters: Entry Pocket









If DD_POCKET_DY is 0:

The pocket will be displayed only, if you set up a depth in DigiPara Liftdesigner

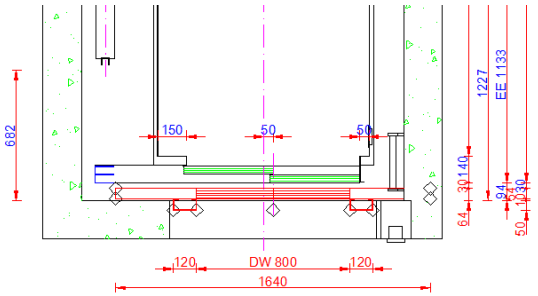
DD_POCKET_DY	Depth of a pocket with the full shaft width. See also DD_MODE.
DD_POCKET_DZ_TOP	Height of the pocket (top). If DD_MODE value 0x0004 is set, the height of the pocket will be Height(top) = DD_POCKET_DZ_TOP + door height.
DD_POCKET_DZ_BOTTOM	Height of the pocket (bottom)

Reload your edited BIM Component

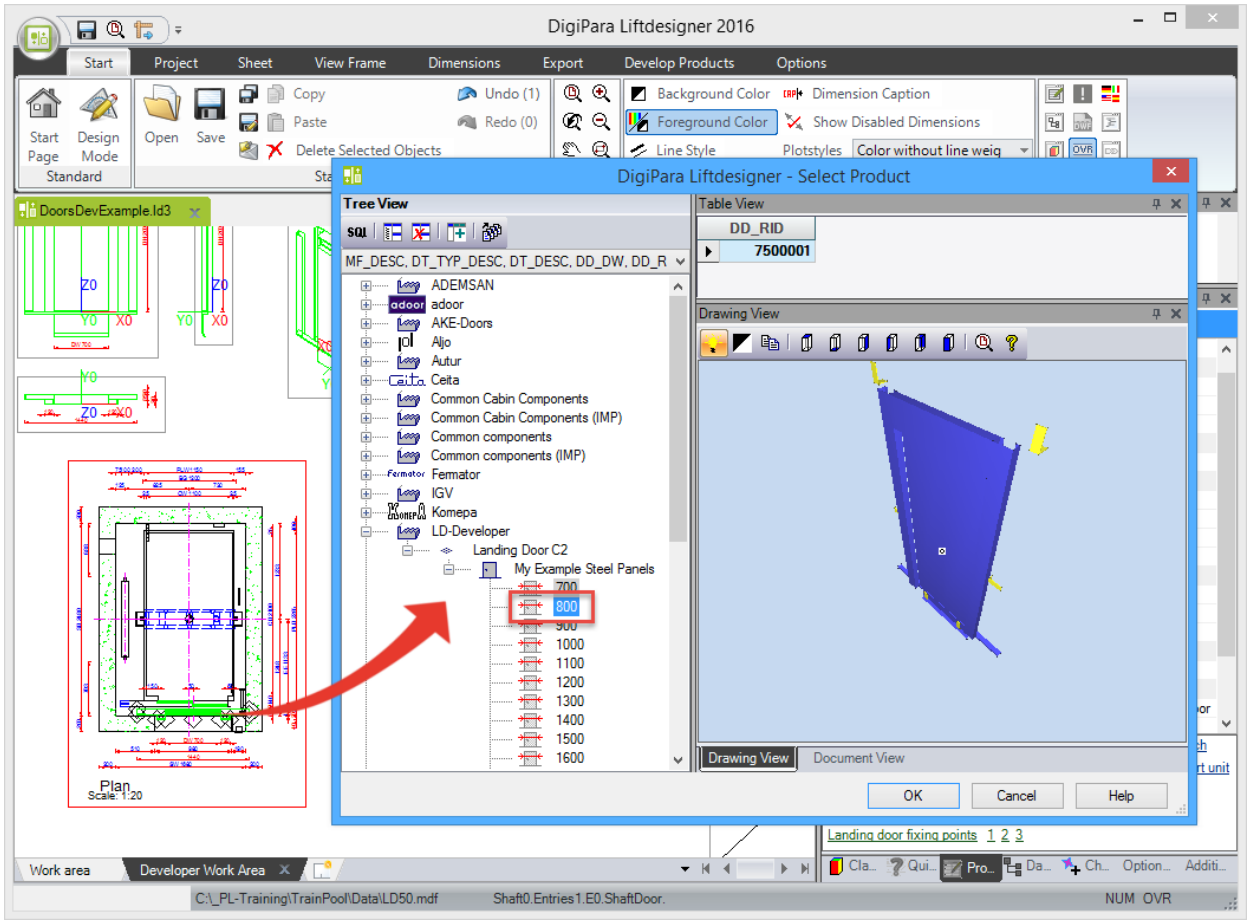
Reload your edited BIM Component

4.1 LANDING DOOR

- … in DigiPara Liftdesigner



Now you can check out the new landing door dimensions you have filled in the database as parameter.



- [x] Modify the simplified 3D Geometry

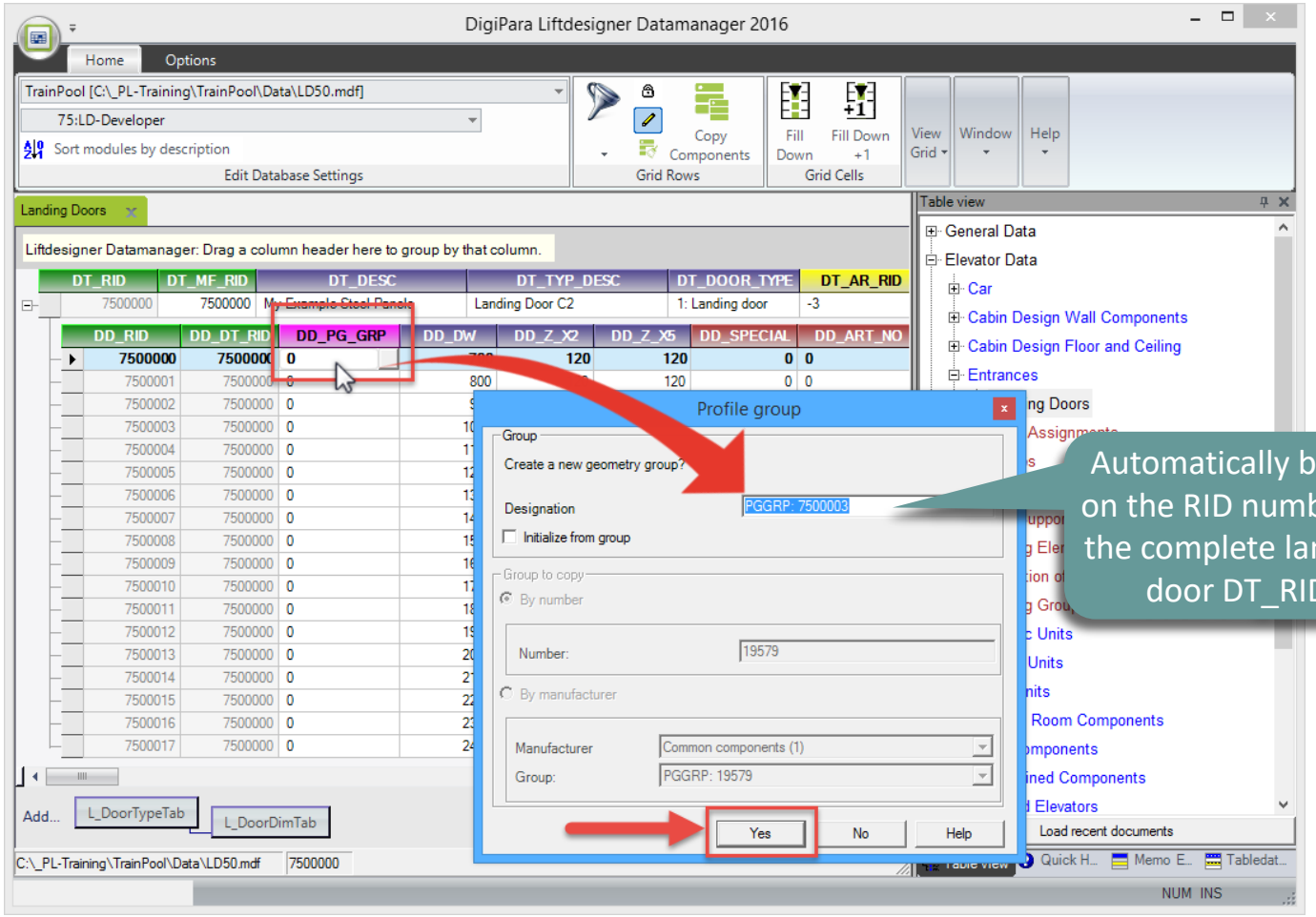
Modify the simplified 3D Geometry

4.1 LANDING DOOR

Prepare your Profile Group

- Create a new Profile Group in DigiPara Liftdesigner Datamanager

Create a profile group table corresponding to your new landing door to assign the new additional profiles you will design for your created door.

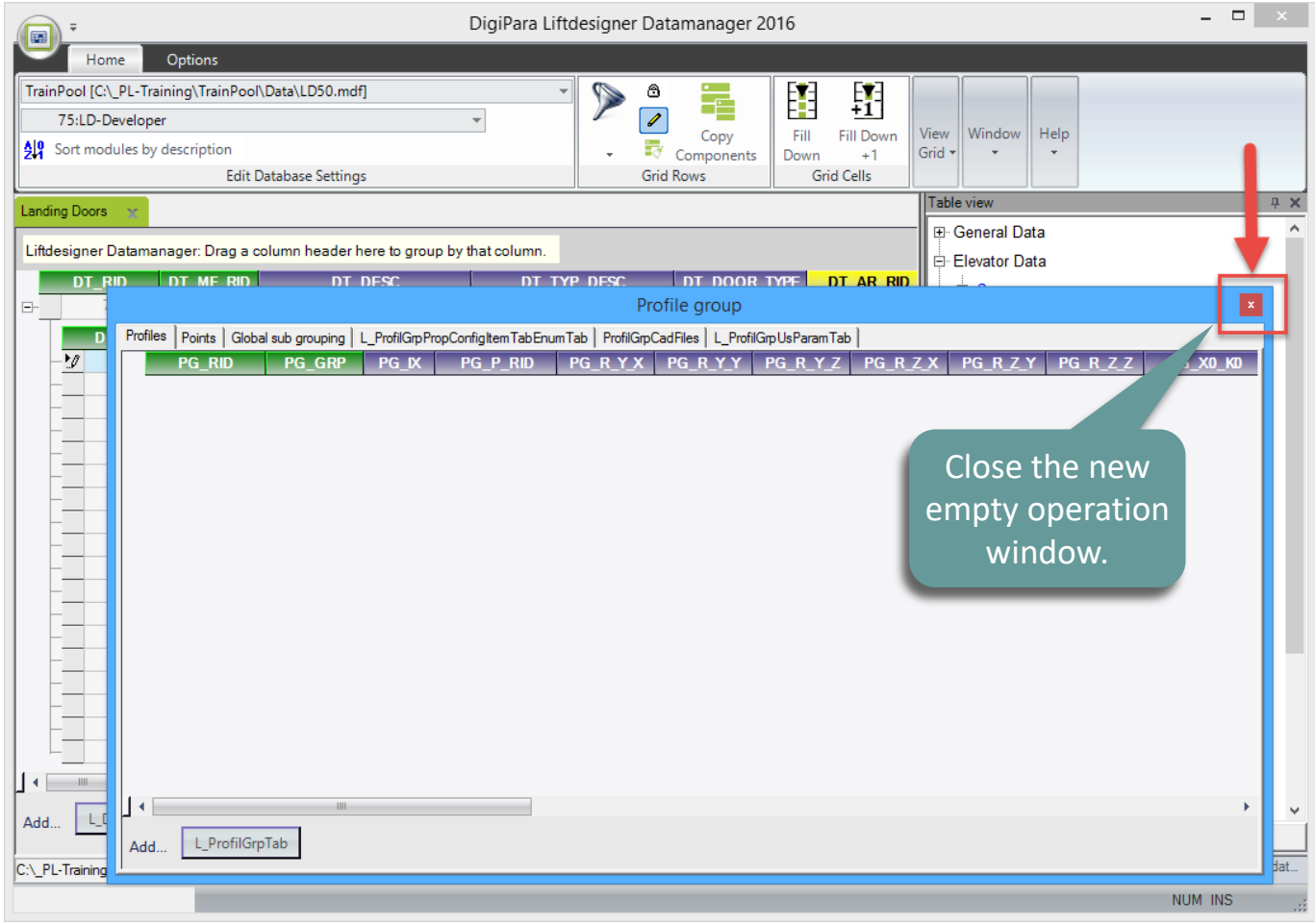


Modify the simplified 3D Geometry

4.1 LANDING DOOR

Prepare your Profile Group:

- Profile Group Table is created

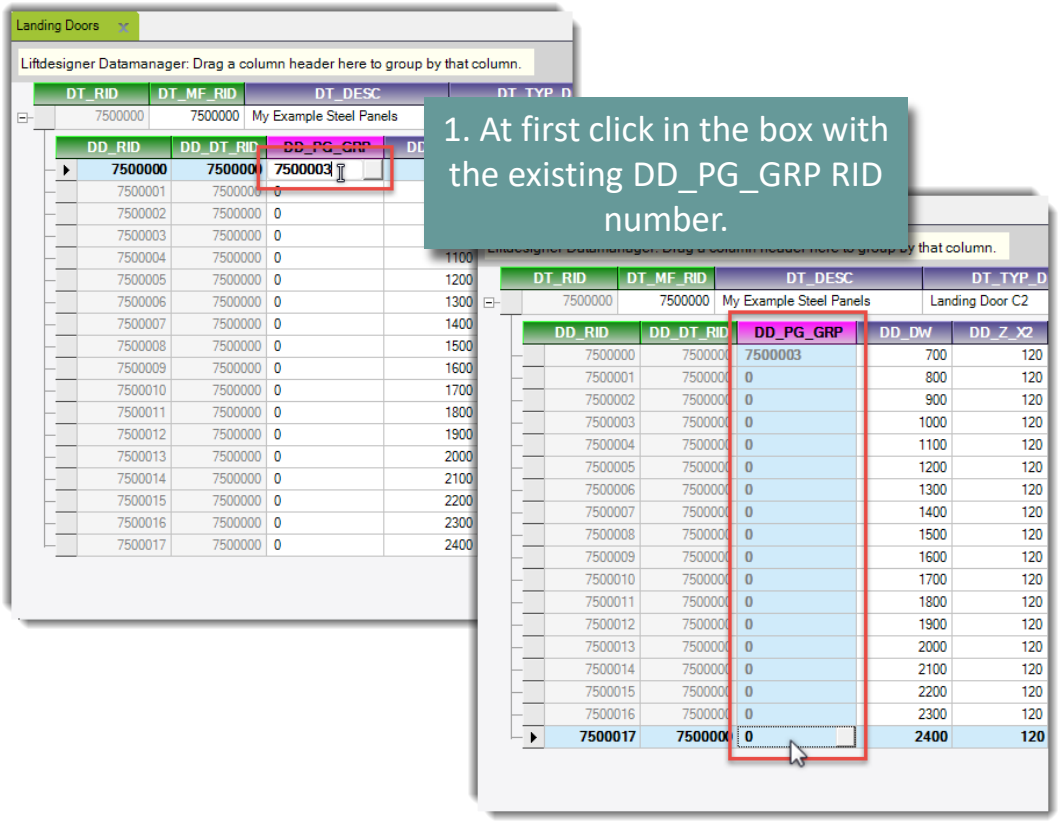


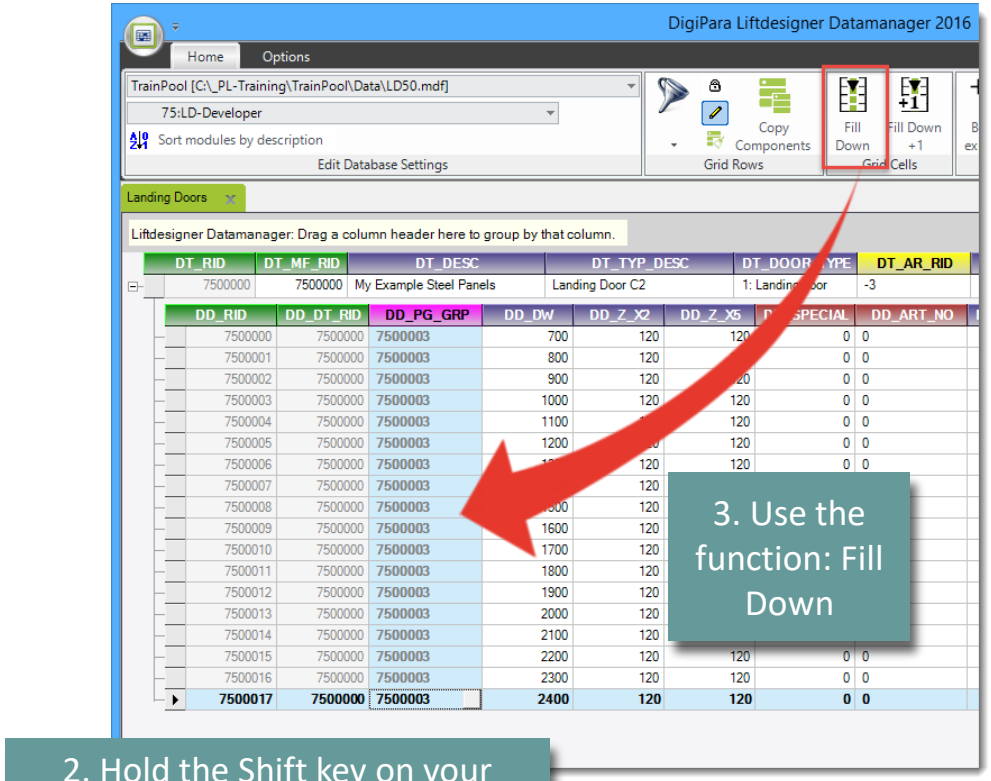
Modify the simplified 3D Geometry

4.1 LANDING DOOR

Prepare your Profile Group:

- Fill down for all Door Widths



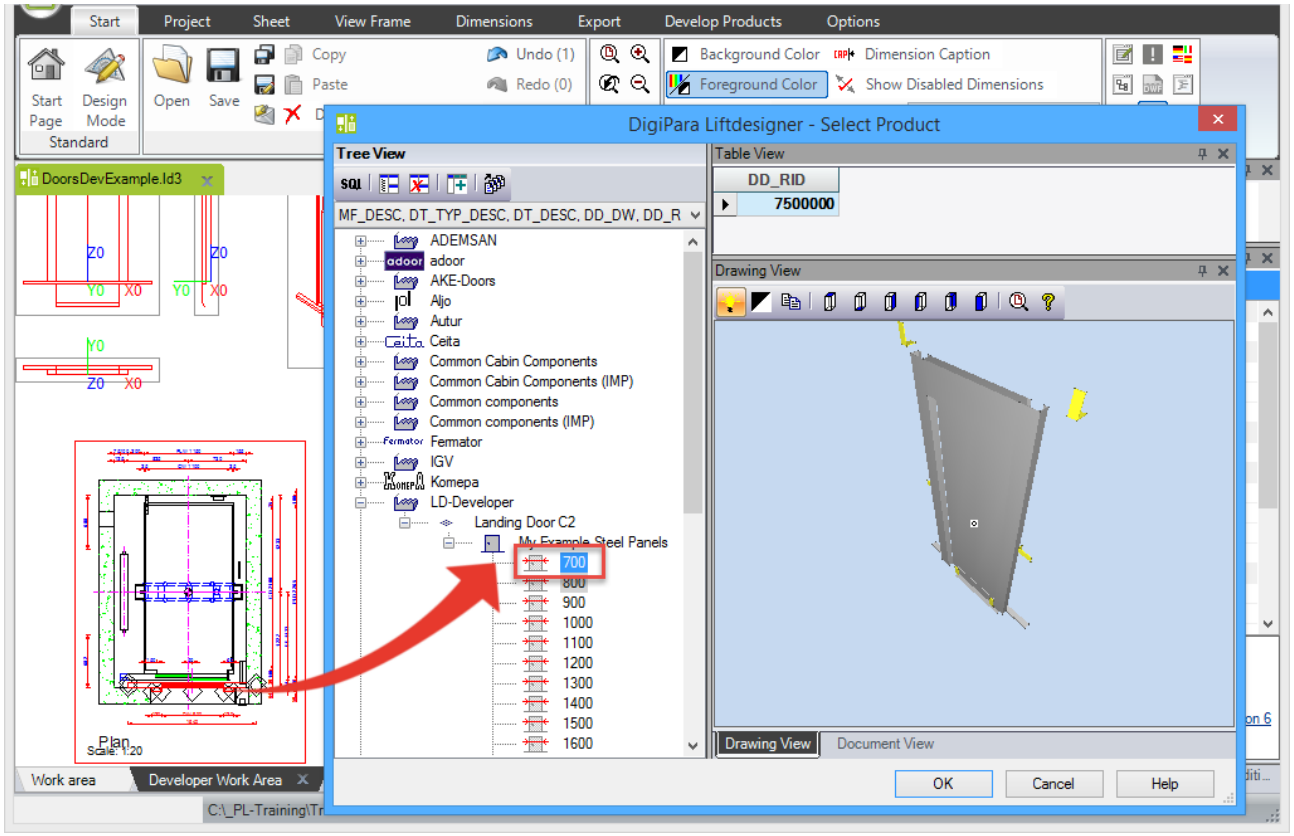


Modify the simplified 3D Geometry

4.1 LANDING DOOR

Reload your edited BIM Component

- in DigiPara Liftdesigner

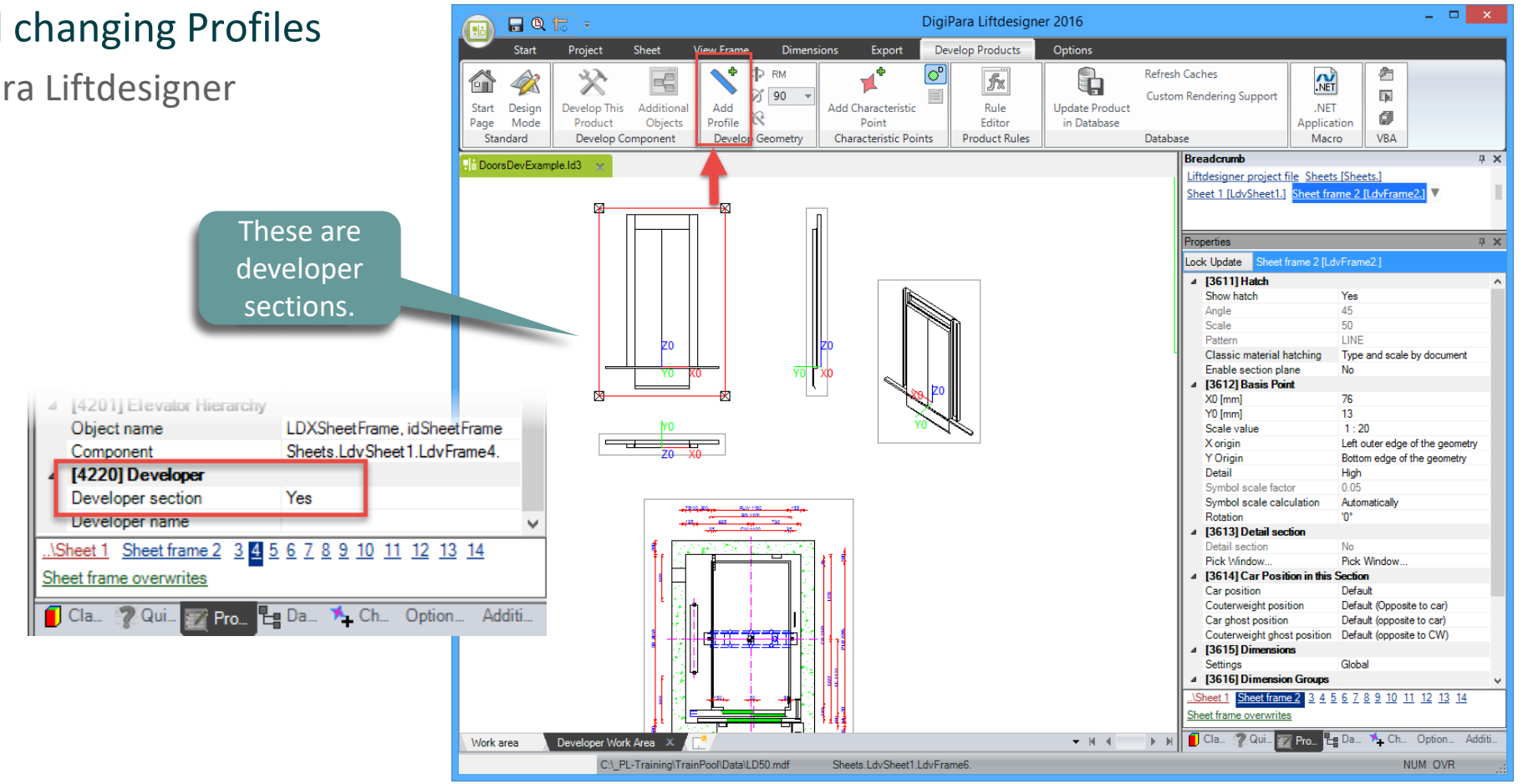


Modify the simplified 3D Geometry

4.1 LANDING DOOR

Adding and changing Profiles

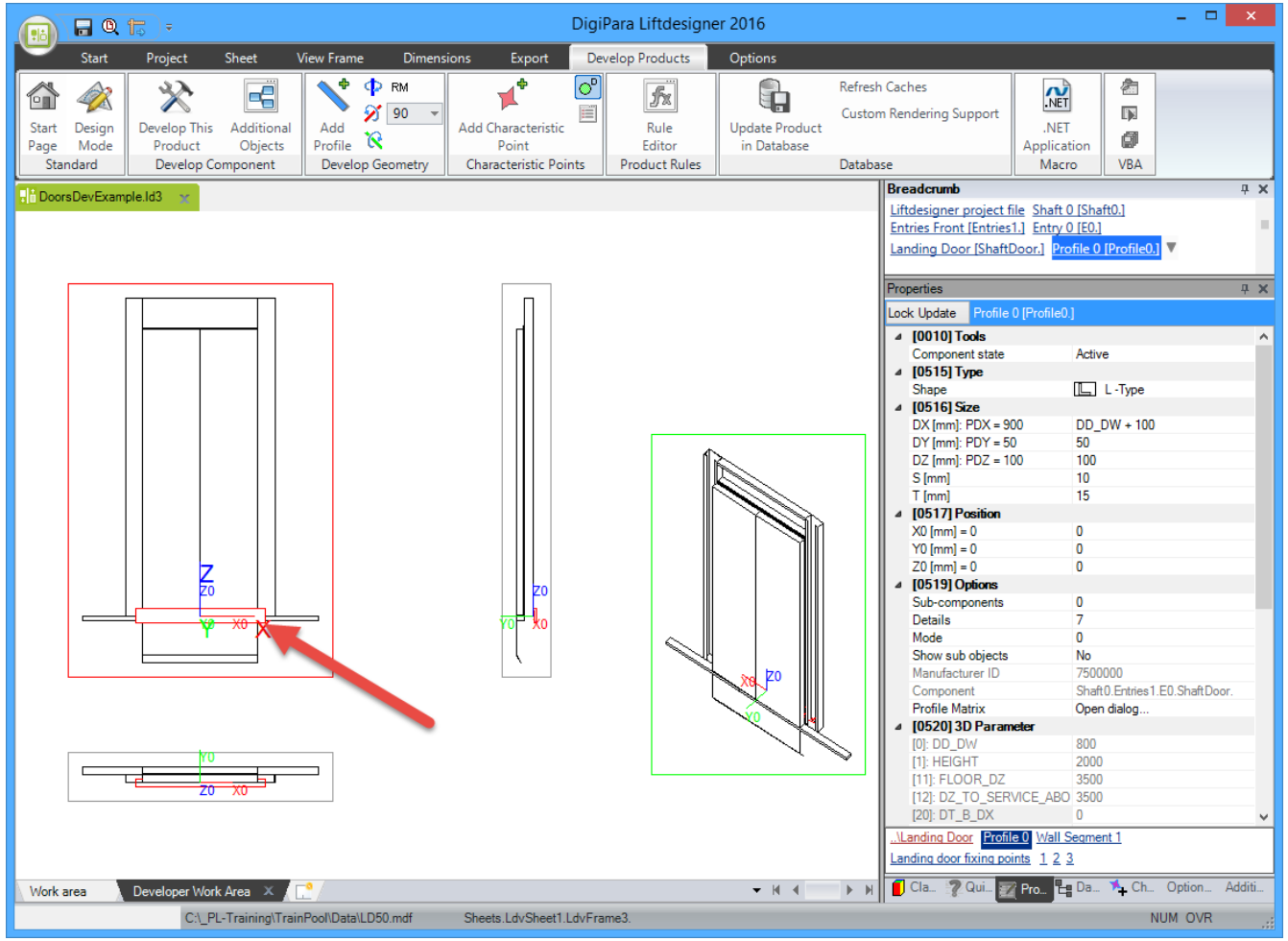
- in DigiPara Liftdesigner



Modify the simplified 3D Geometry

4.1 LANDING DOOR

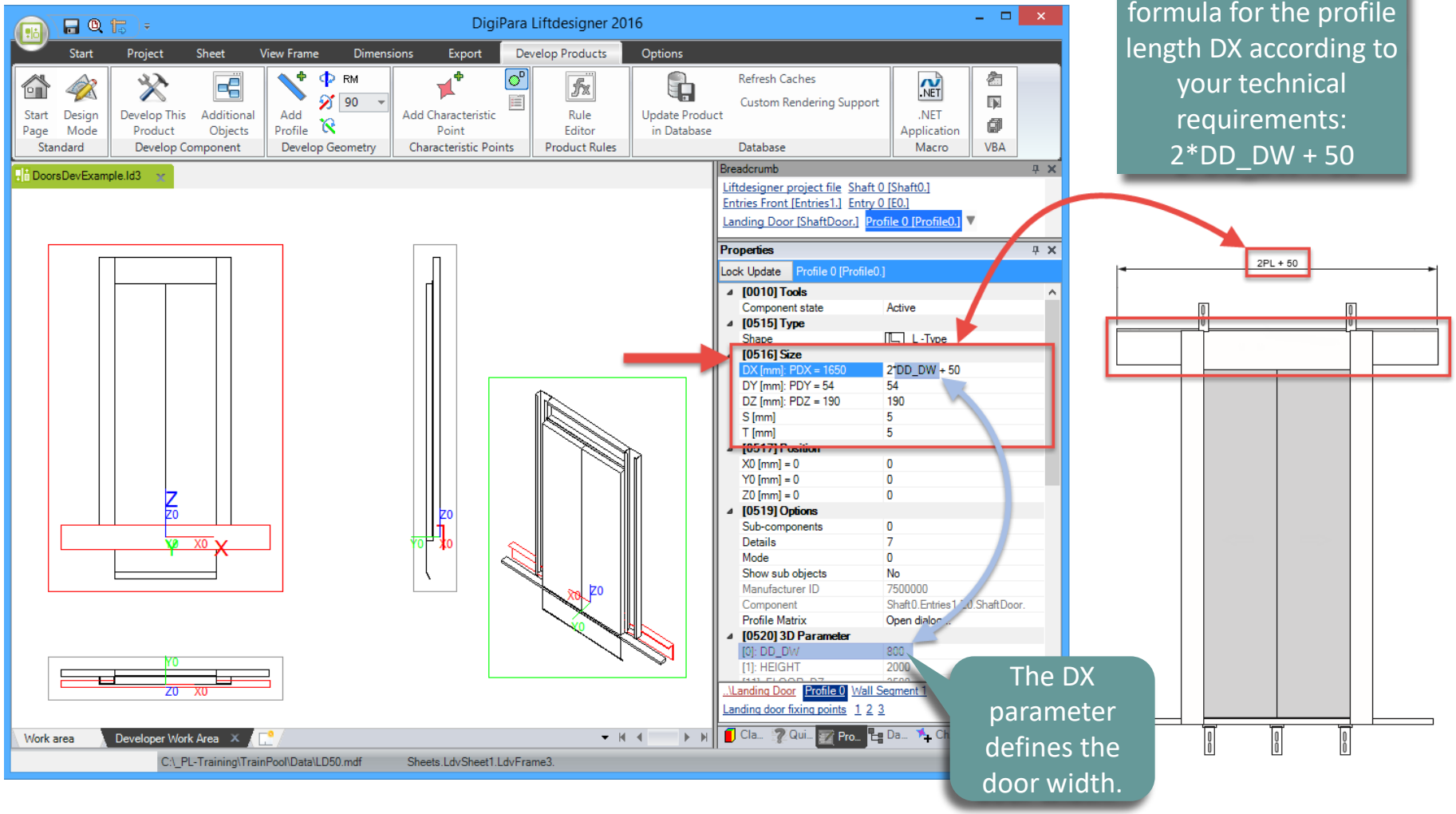
The new profile is located at the base point of the landing door.



Modify the simplified 3D Geometry

4.1 LANDING DOOR

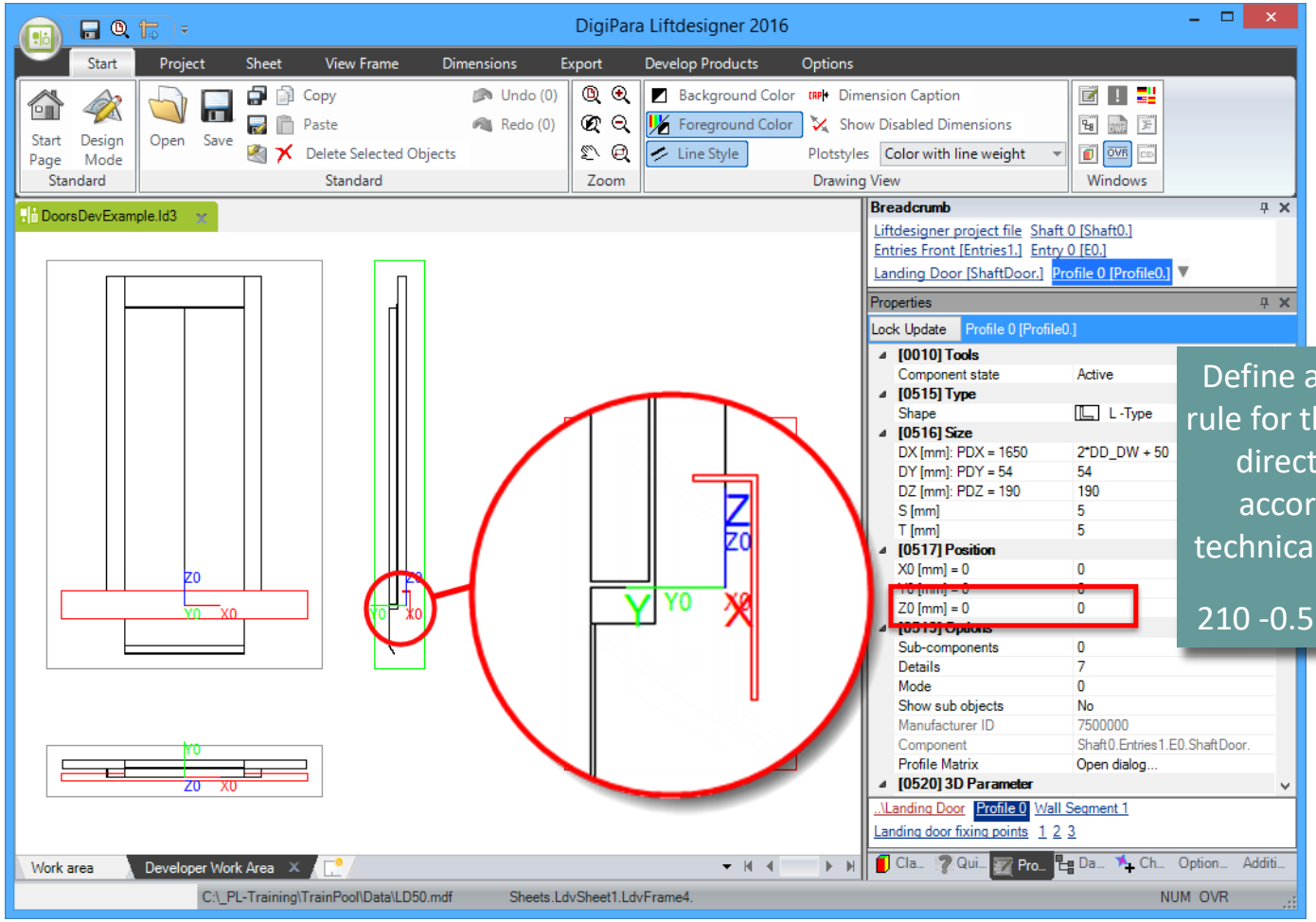
Change the size of the profile in the properties window.



Modify the simplified 3D Geometry

4.1 LANDING DOOR

Change the Z-position of the profile in the properties window.



Define am appropriate rule for the position in Z-direction Z0 [mm] according to your technical requirements:

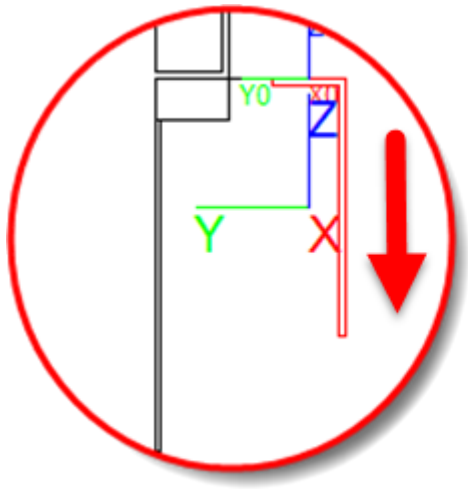
210 -0.5*PDZ + HEIGHT

Modify the simplified 3D Geometry

4.1 LANDING DOOR

Define an appropriate formula for the position in Z-direction: Z0 [mm]

- Now the distance between the base point of the profile and the landing door is 95 mm in Z-direction, which is always the half of the size DZ [mm].

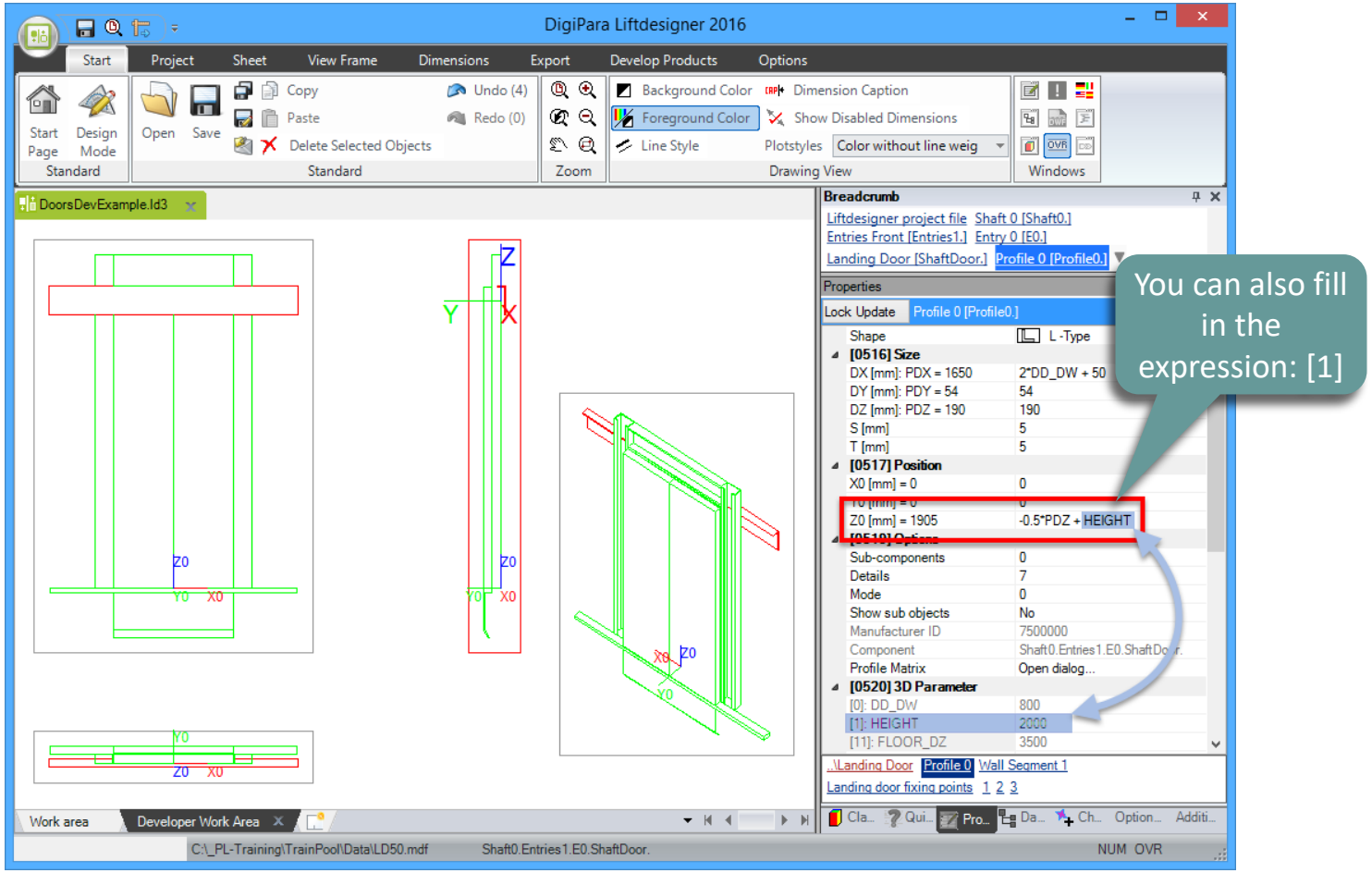


DX [mm]: PDX = 1650	2*DD_DW + 50
DY [mm]: PDY = 54	54
DZ [mm]: PDZ = 190	190
S [mm]	5
T [mm]	5
[0517] Position	
X0 [mm] = 0	0
Z0 [mm] = -95	-0.5*PDZ
Sub-components	0
Details	7

Modify the simplified 3D Geometry

4.1 LANDING DOOR

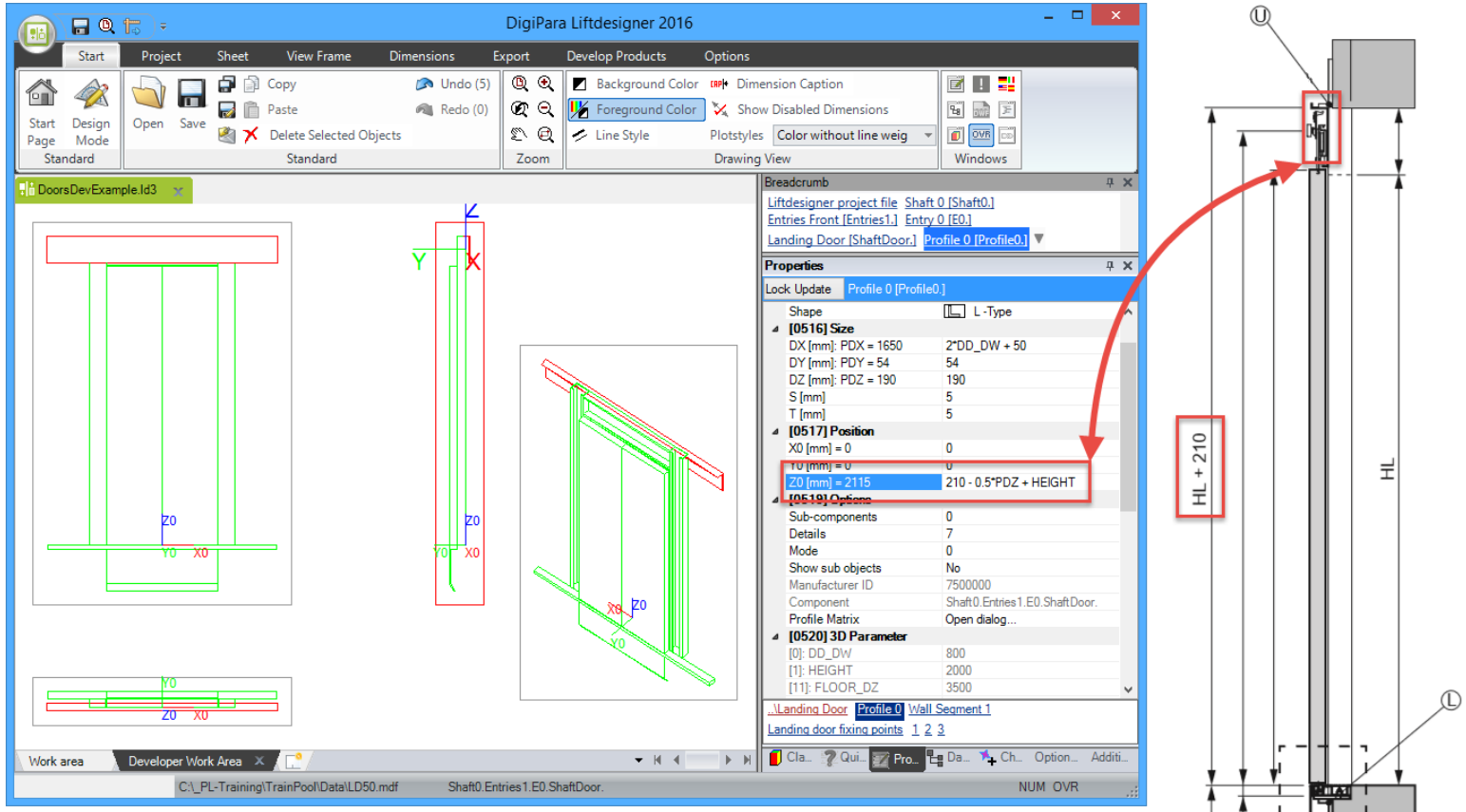
Additionally add the 3D parameter for the current landing door height.



Modify the simplified 3D Geometry

4.1 LANDING DOOR

Complete the formula for position Z0 [mm] with the value: + 210



Modify the simplified 3D Geometry

4.1 LANDING DOOR

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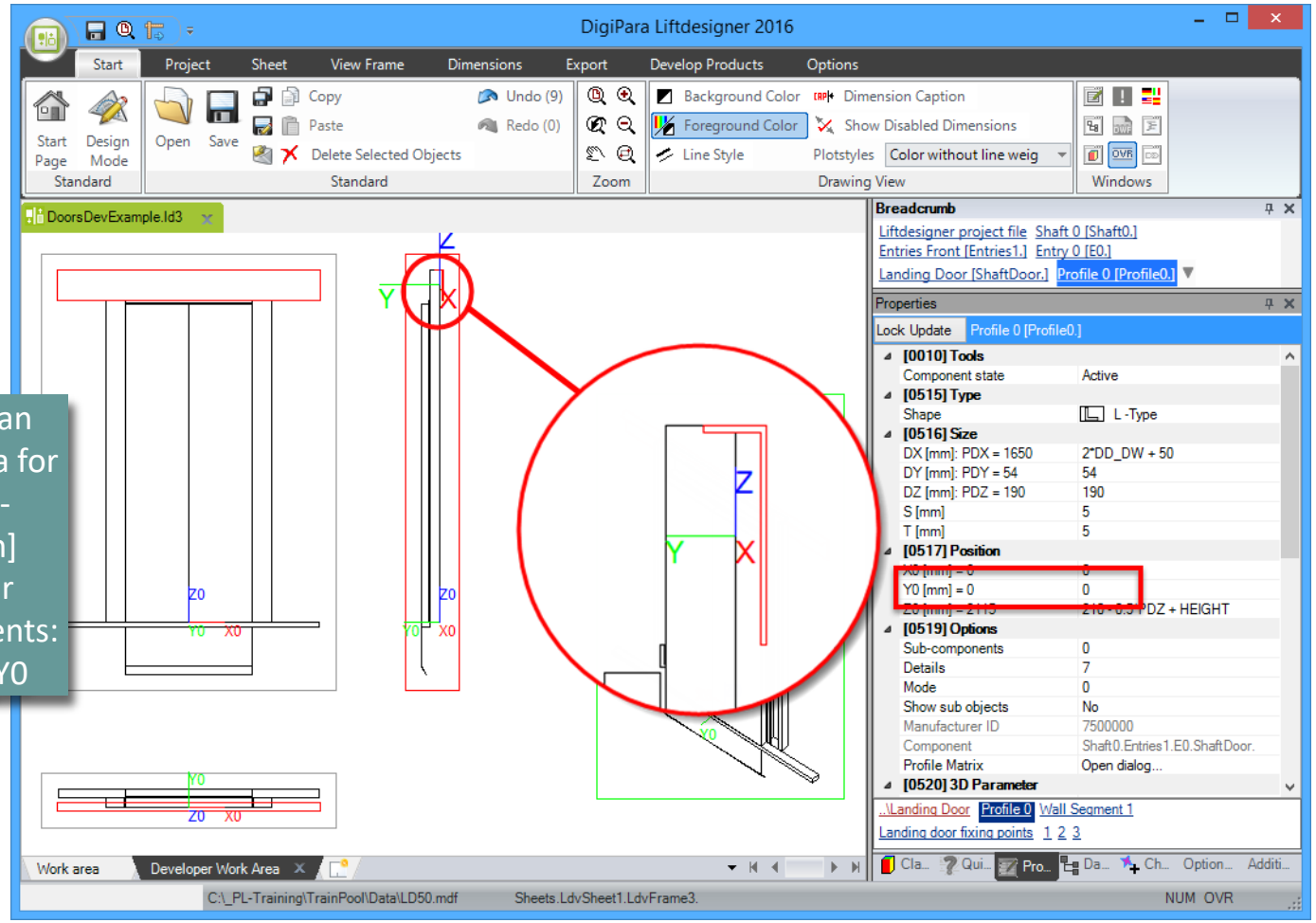
Change the Y-position of the profile in the properties window.



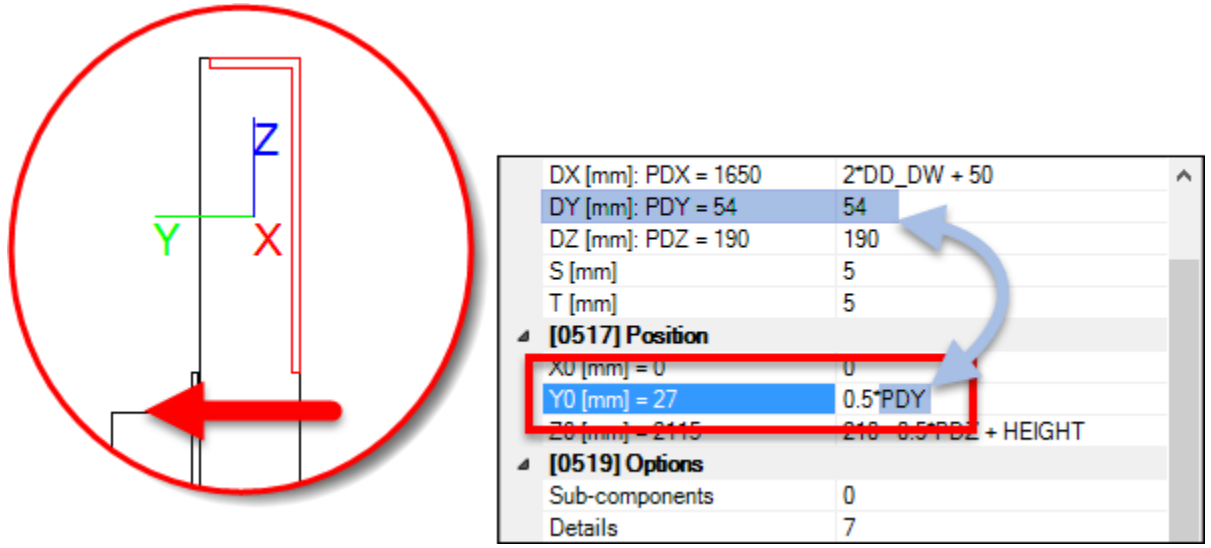
Afterward define an appropriate formula for the position in Y-direction Y0 [mm] according to your technical requirements: 0.5*PDY + DT_S_Y0

Modify the simplified 3D Geometry

4.1 LANDING DOOR

Define an appropriate formula for the position in Y-direction: Y0 [mm]

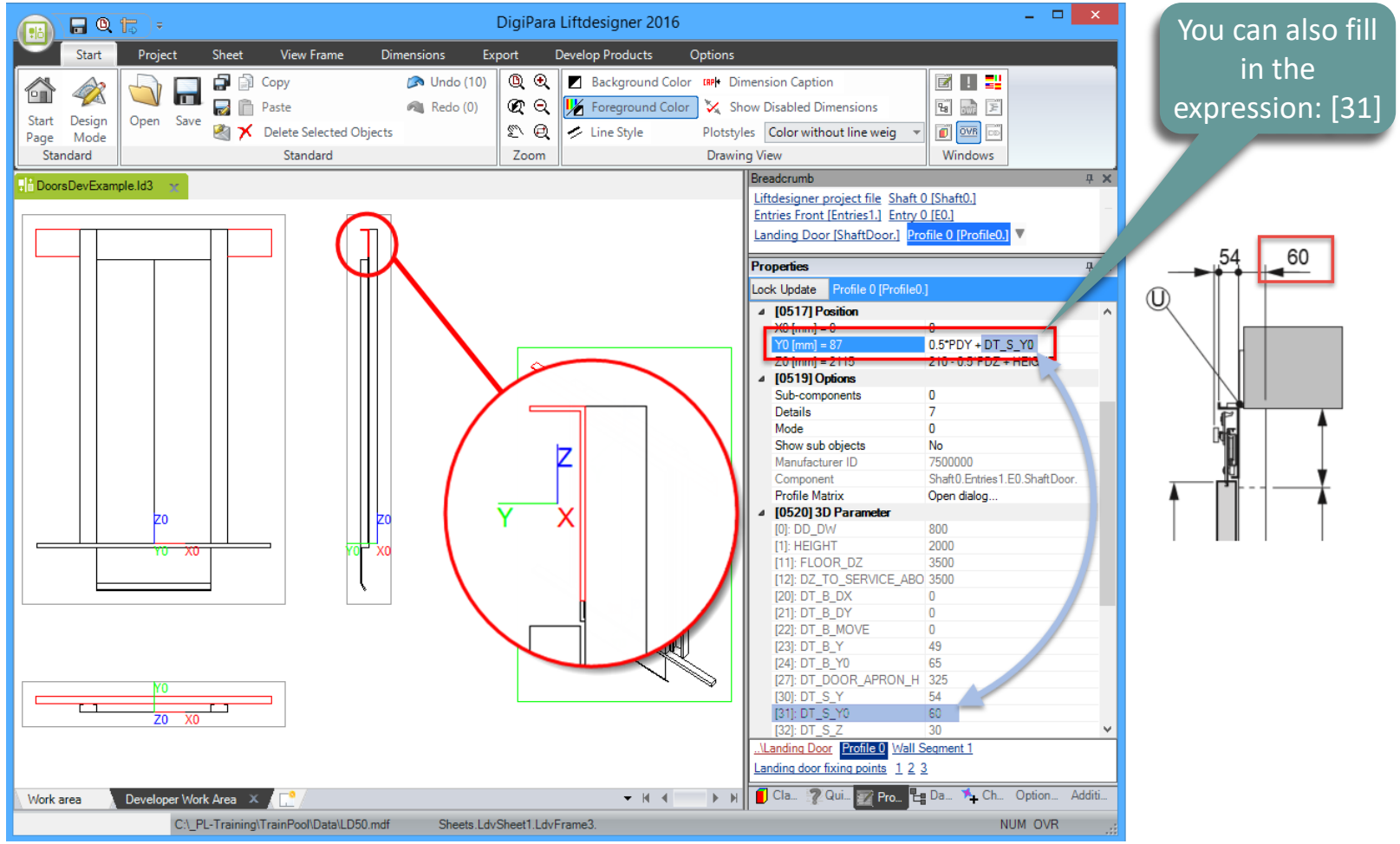
- Now the distance between the base point of the profile and the landing door is 27 mm in Y-direction, which is always the half of the size DY [mm].



Modify the simplified 3D Geometry

4.1 LANDING DOOR

Complete the formula for the Y0 [mm] position with the DT_S_Y0 3D parameter.

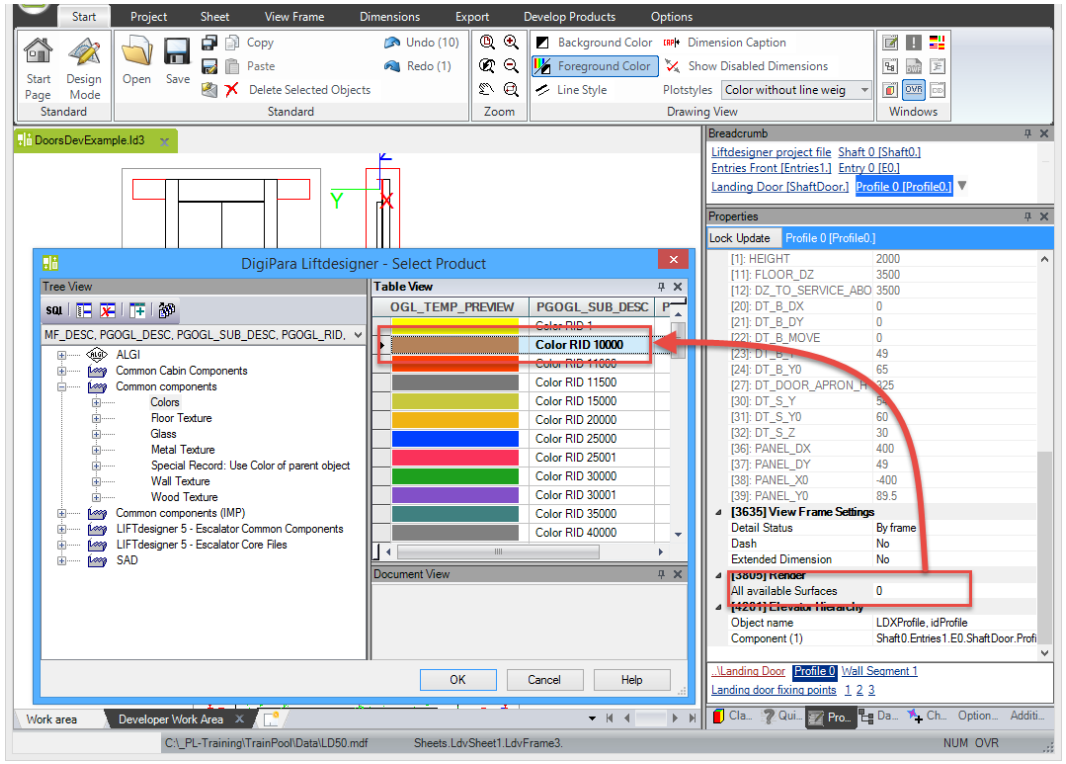


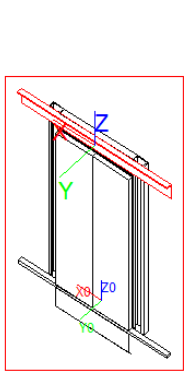
Modify the simplified 3D Geometry

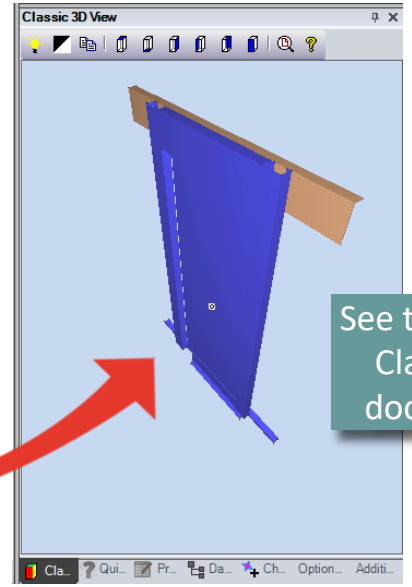
4.1 LANDING DOOR

Change the profile color

- Select this new profile and change the color via the properties window into Color RID 10000 under Common Components.





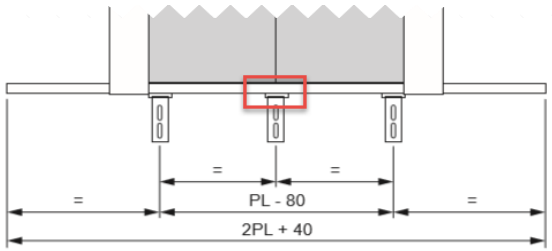


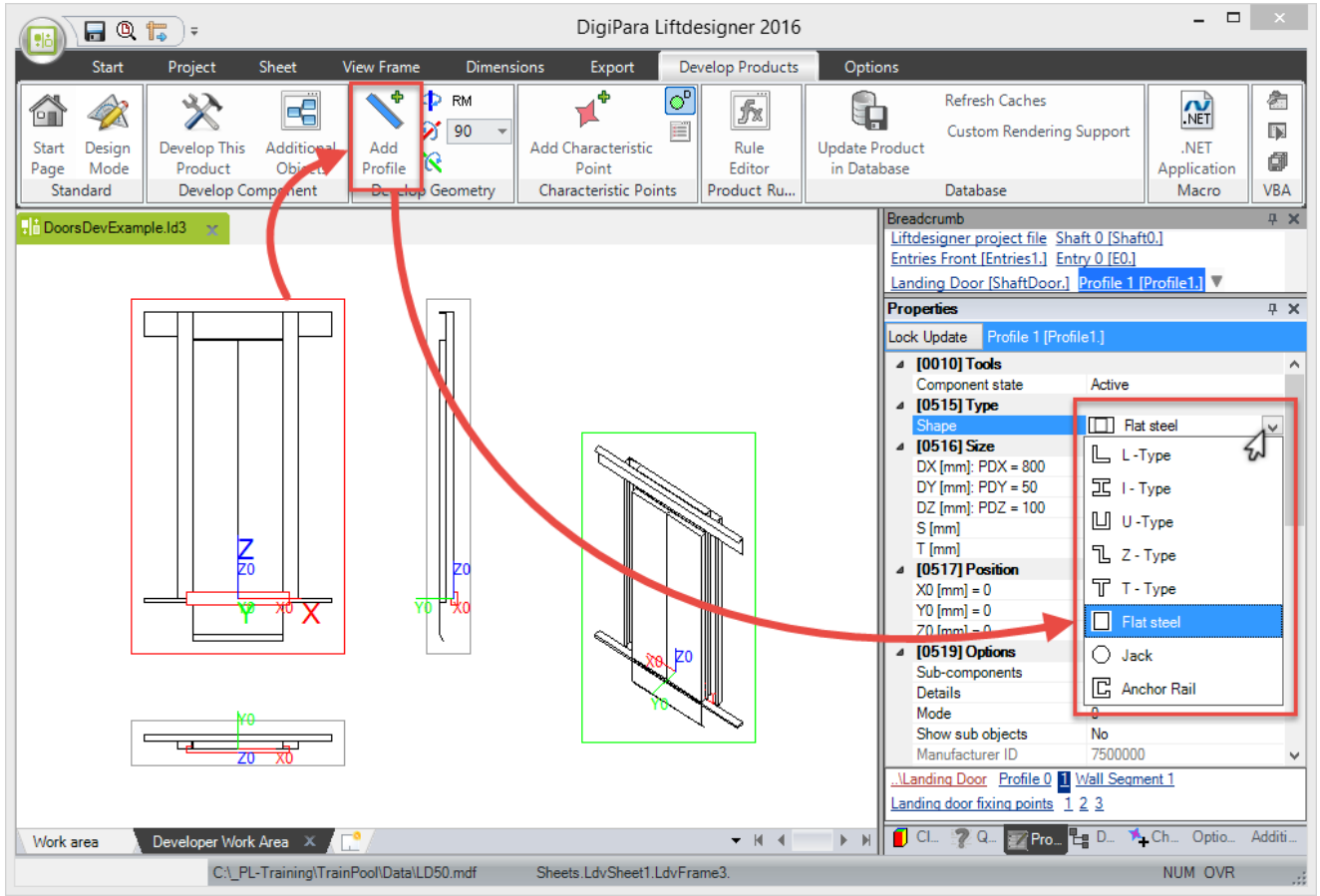
See the result in the Classic 3D View docking window.

Modify the simplified 3D Geometry

4.1 LANDING DOOR

Adding and changing Profile Shape

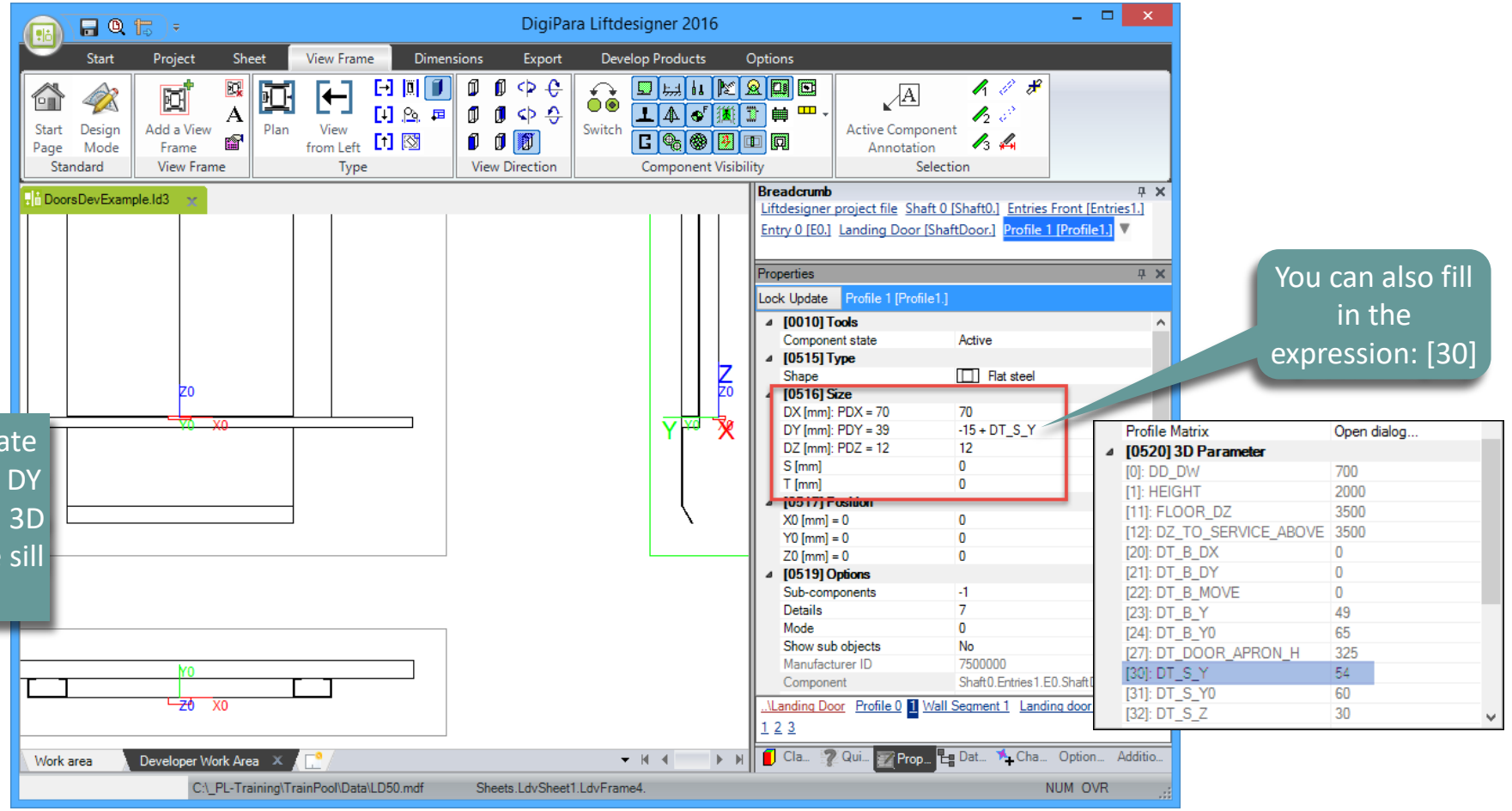




Modify the simplified 3D Geometry

4.1 LANDING DOOR

Change the size of the profile in the properties window.



Define an appropriate formula for the size DY and use the defined 3D parameter from the sill depth DT_S_Y

You can also fill in the expression: [30]

Modify the simplified 3D Geometry

4.1 LANDING DOOR

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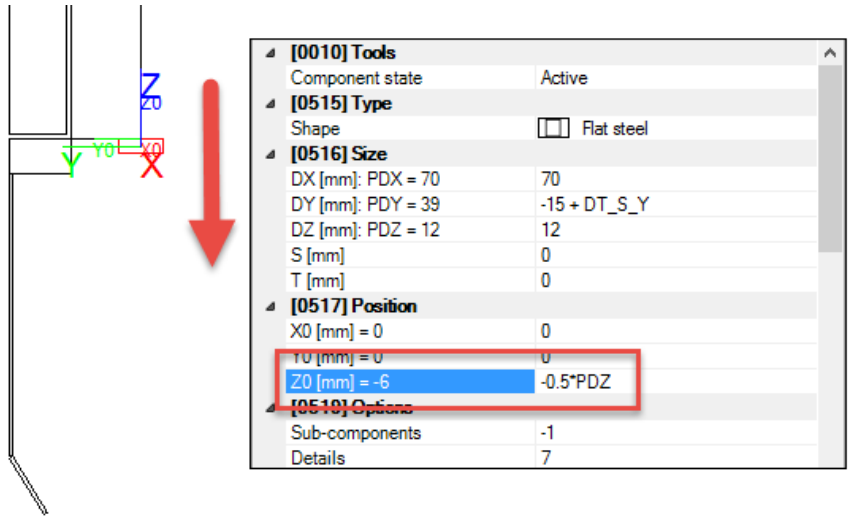
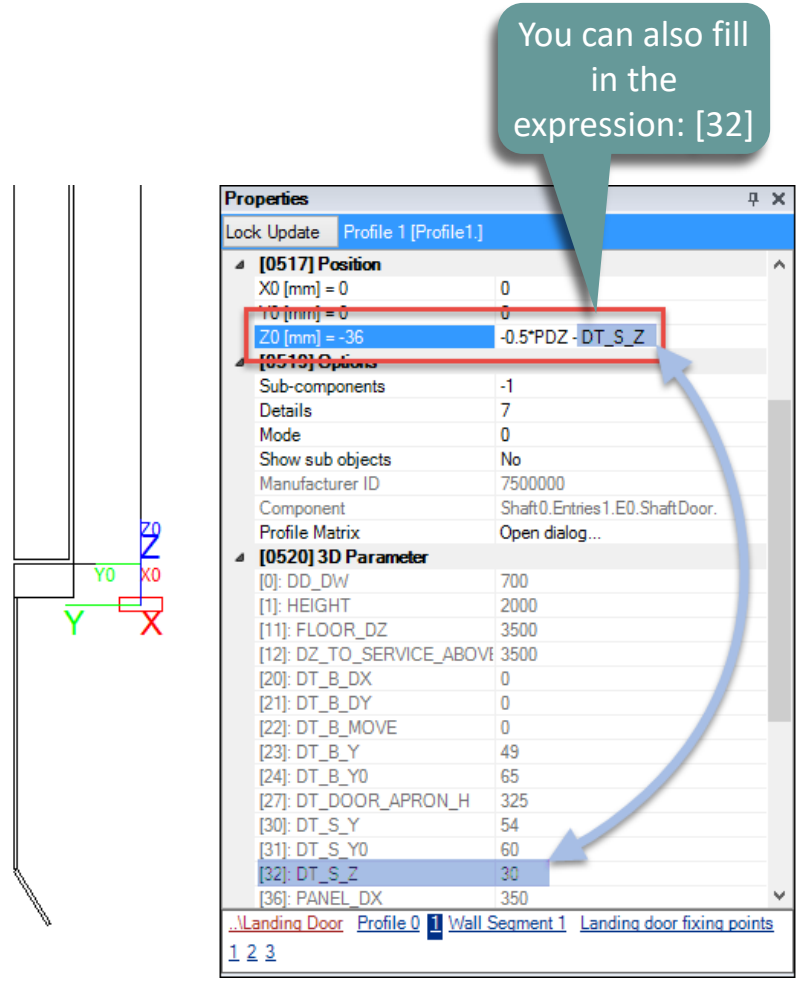
Change the position of the profile in the properties window.

- Define an appropriate formula for the position in Z-direction: Z0 [mm]



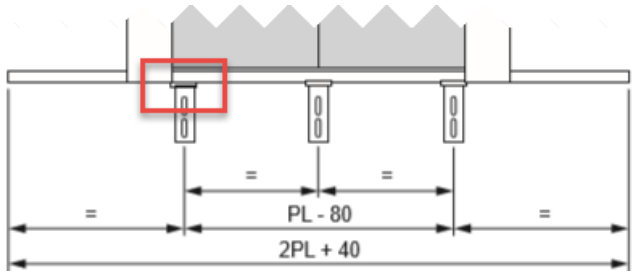


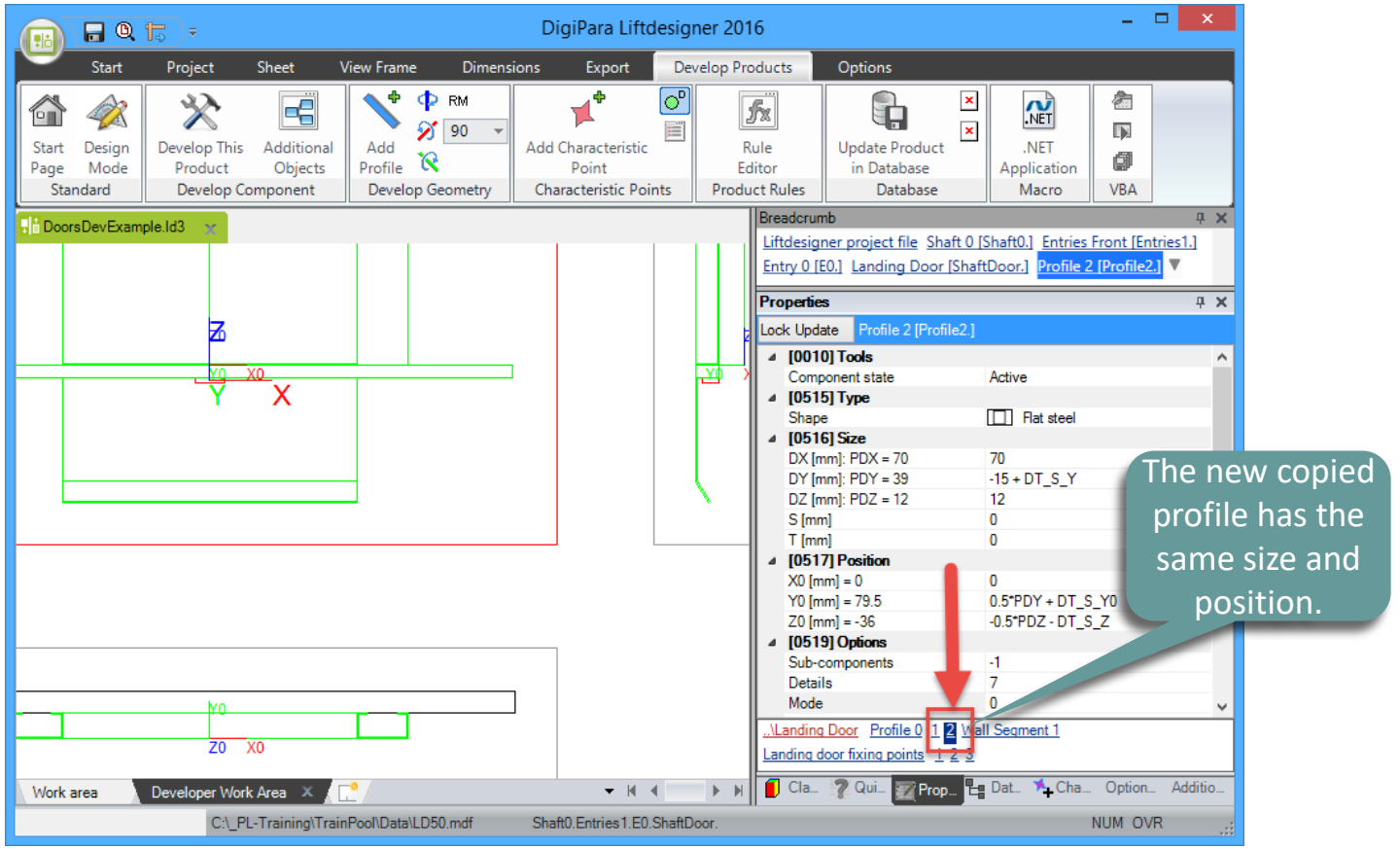
Modify the simplified 3D Geometry

4.1 LANDING DOOR

Copy the finished defined Profile

- Select the finished defined profile and press Ctrl-C and Ctrl-V to copy and paste.





Modify the simplified 3D Geometry

4.1 LANDING DOOR

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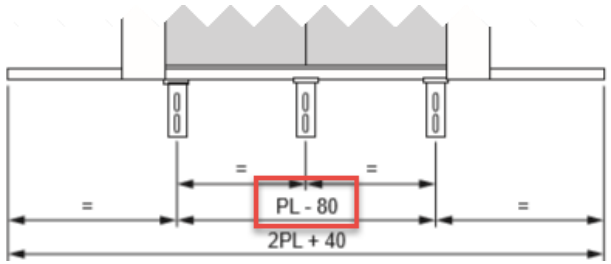
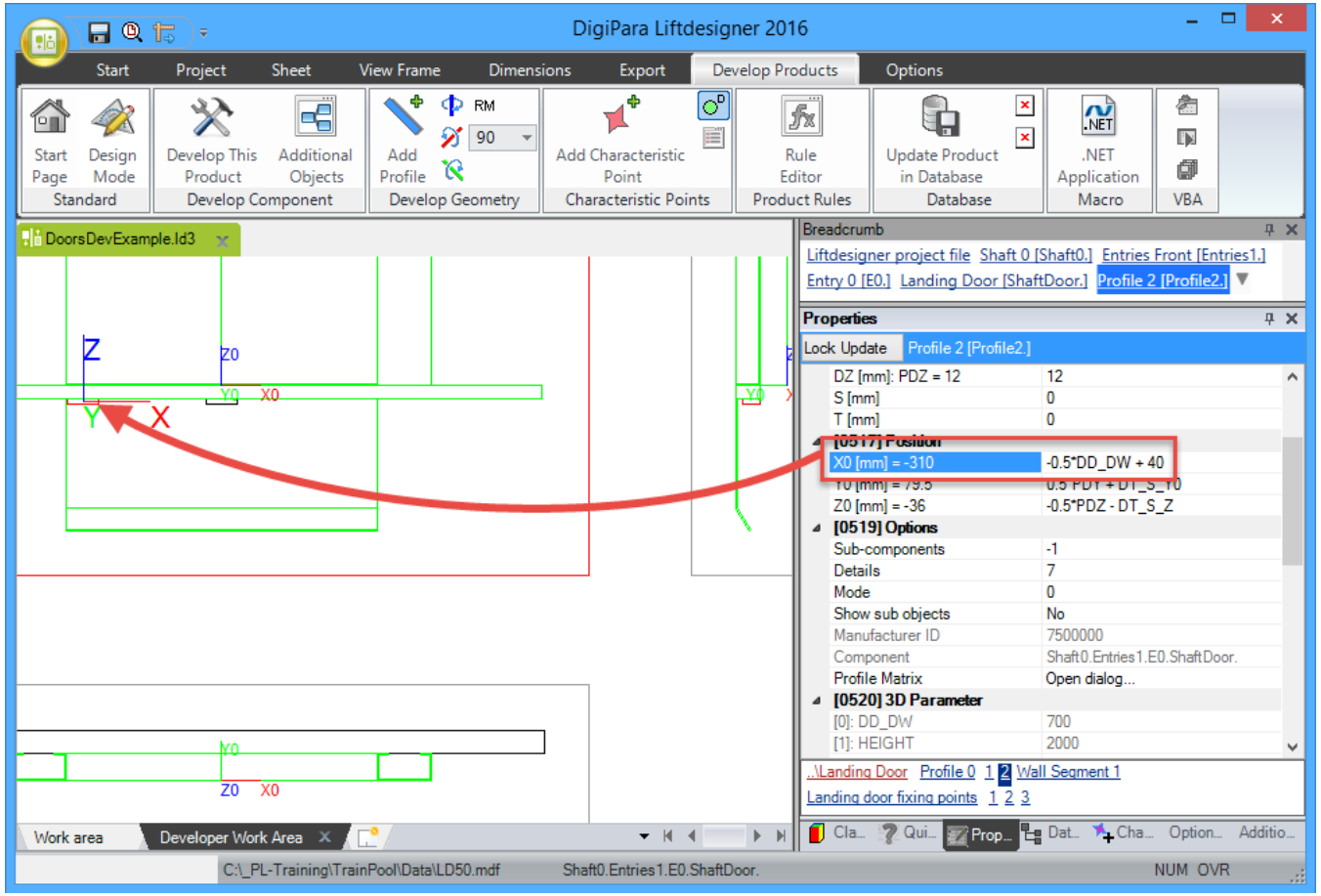
Change the position of the copied profile.

- Define an appropriate formula for the position in X-direction: X0 [mm]





Modify the simplified 3D Geometry

4.1 LANDING DOOR

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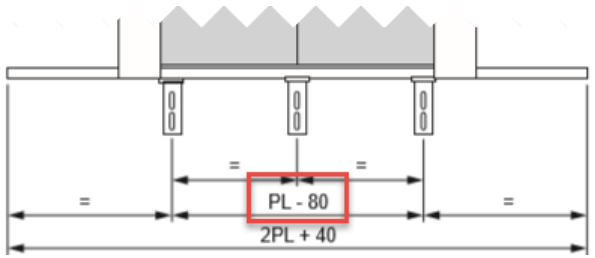
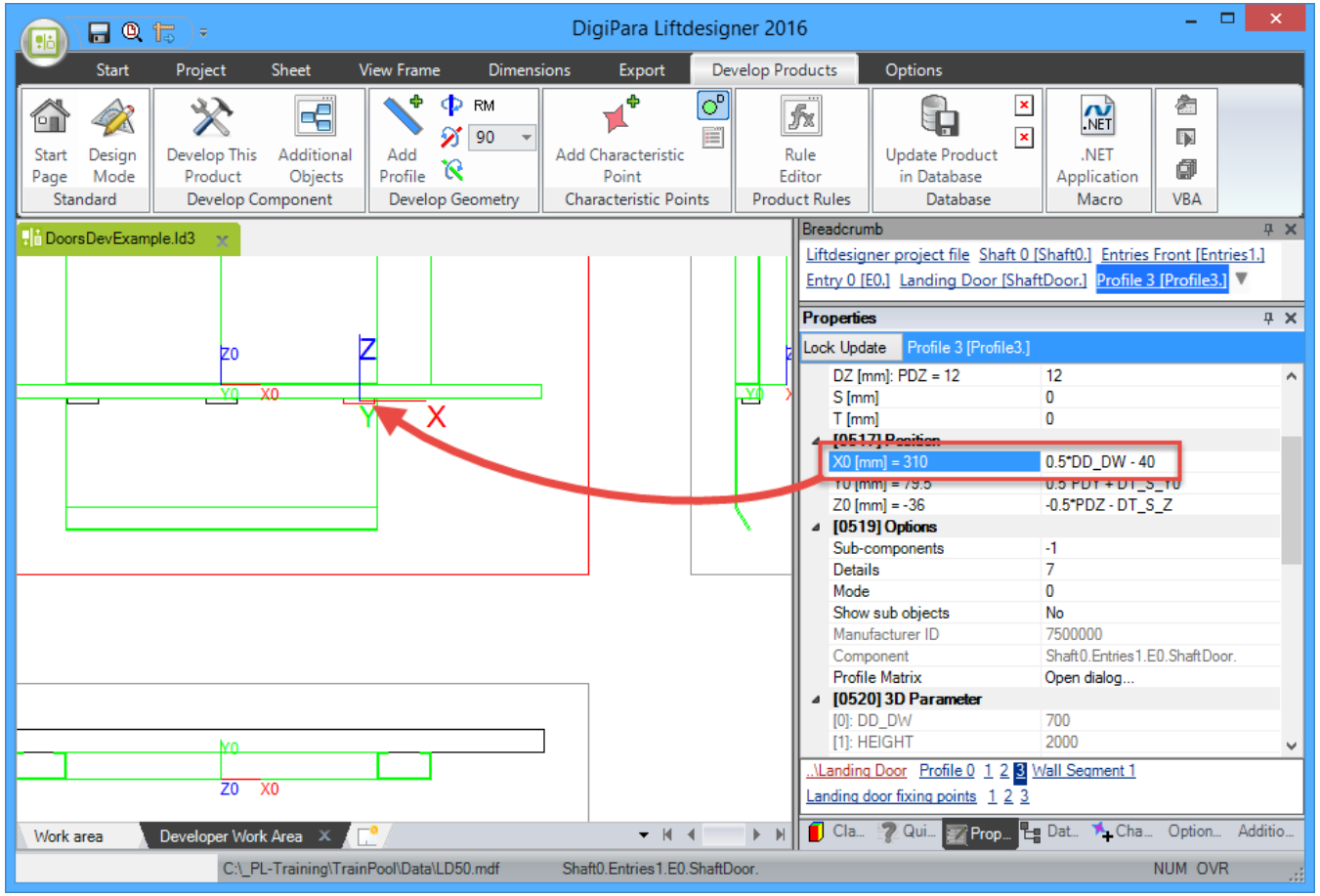
Change the signs of the position formula X0 [mm] (+ / -)





Save into the DigiPara BIM Library

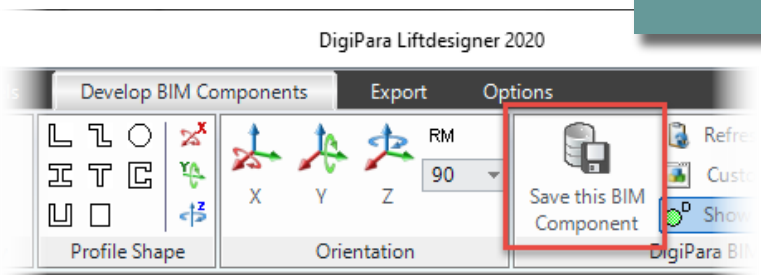
Save into the DigiPara BIM Library

4.1 LANDING DOOR

Save the finished defined BIM Component

- into the DigiPara BIM Library

Hint: After each processing step on the BIM component geometry



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Let's have a break!

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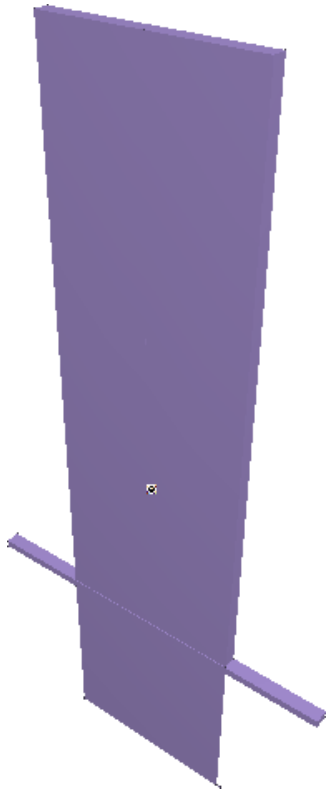
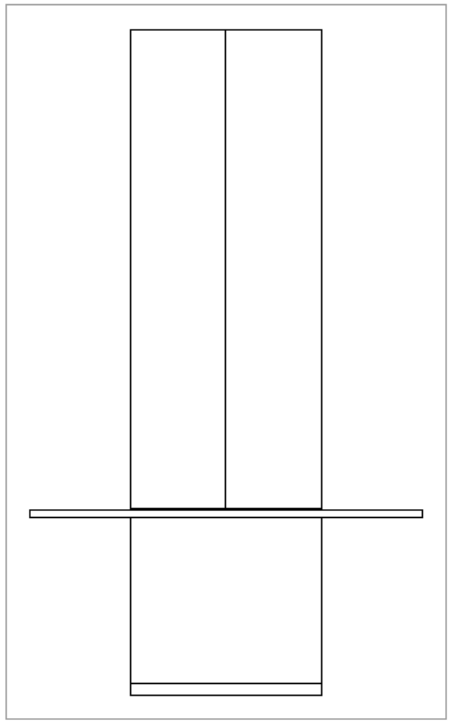
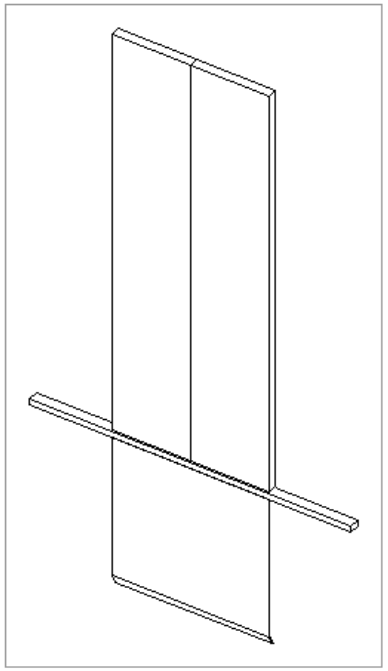
PL4.1

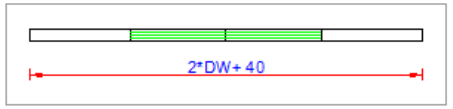
Car Door

PL4.1 Car Door









Copy a similar BIM Component

Copy a similar BIM Component

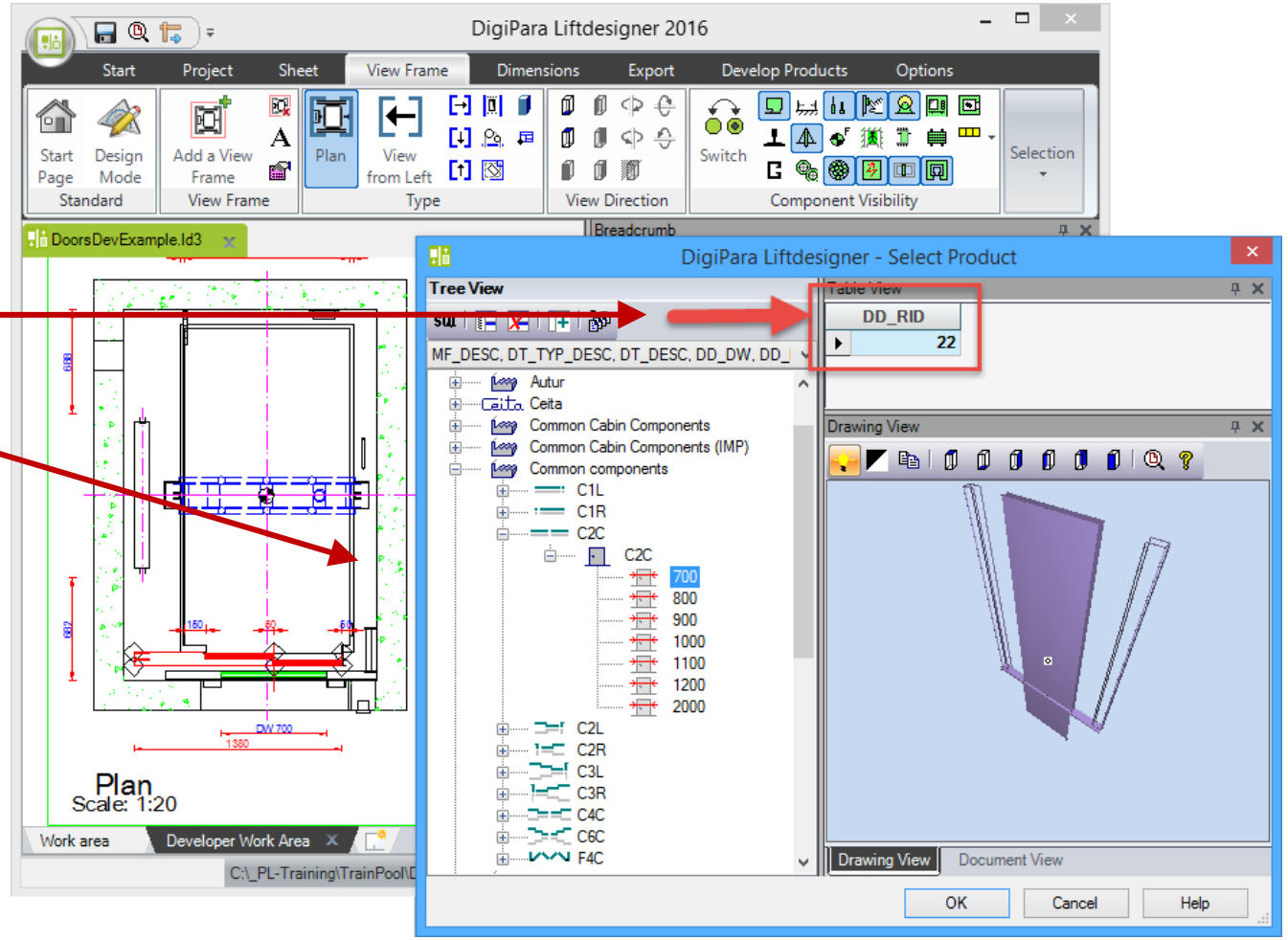
PL4.1 CAR DOOR

Find a similar BIM Component

- in DigiPara Liftdesigner

Find out:

- Unique RID number
- Manufacturer / BIM Library



Copy a similar BIM Component

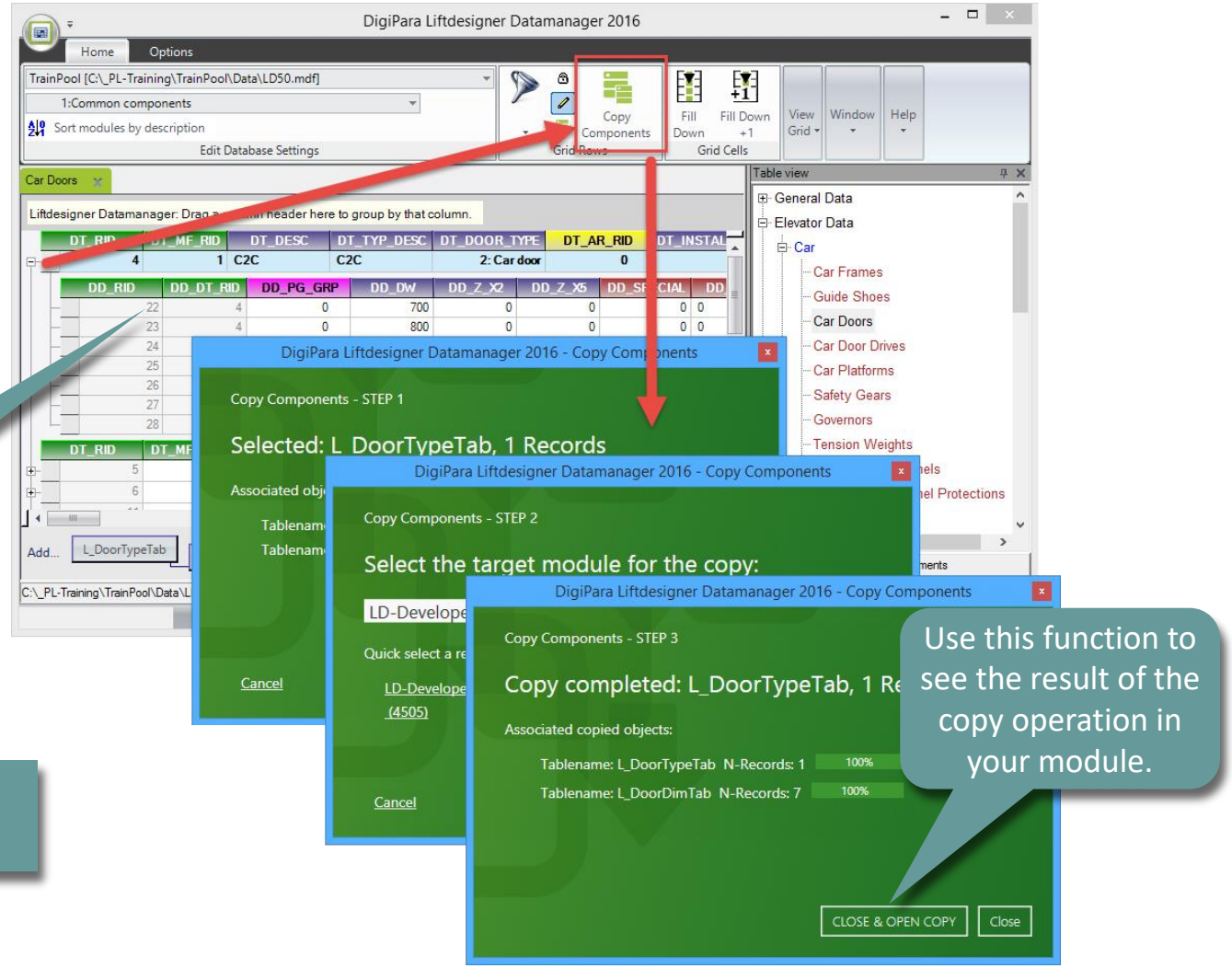
PL4.1 CAR DOOR

Copy a similar BIM Component

- in DigiPara Liftdesigner Datamanager

- The new component is copied with all parameters and values into your manufacturer module.

Find the car door with the DD_RID: 22 you have seen in the library before.



Use this function to see the result of the copy operation in your module.

The steps 1 until 3 guide you through the copy process.

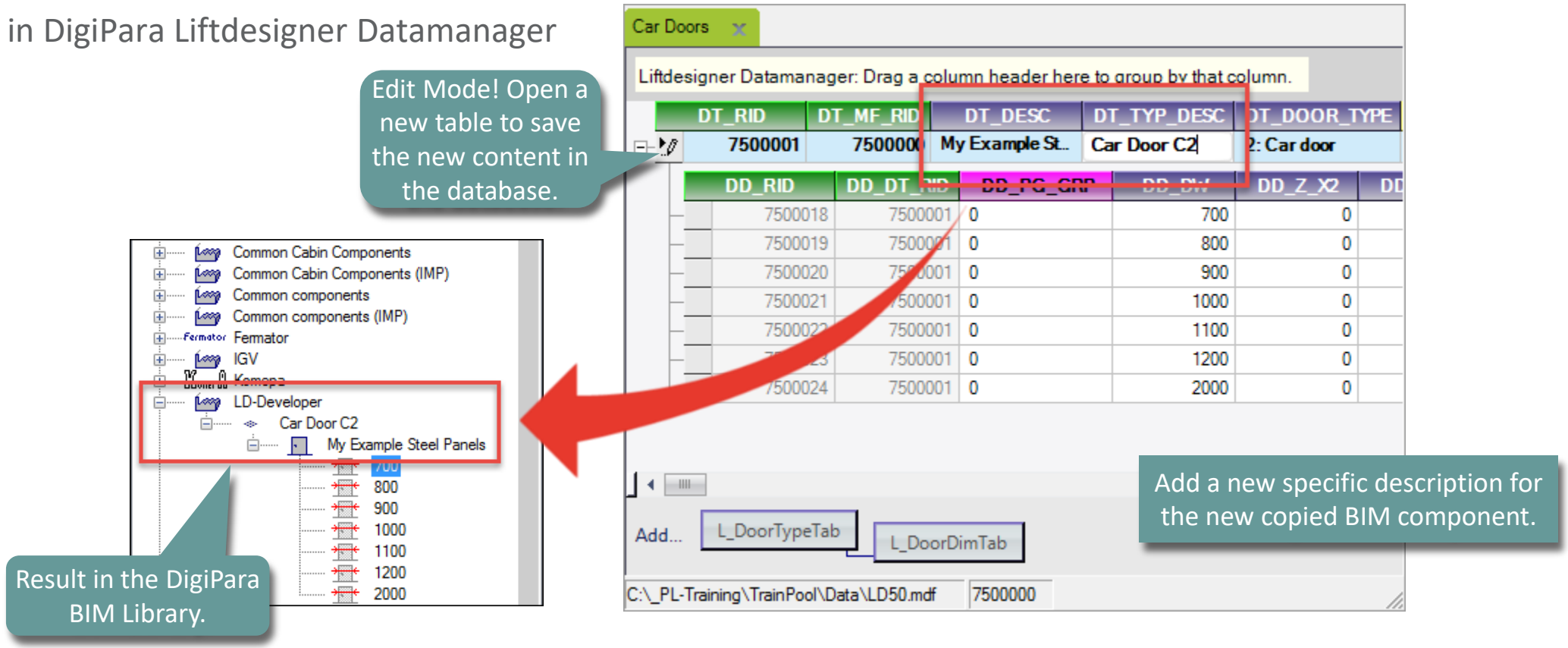
Edit the Meta Data

Edit the Meta Data

PL4.1 CAR DOOR

Edit the Meta Data – Description

- in DigiPara Liftdesigner Datamanager



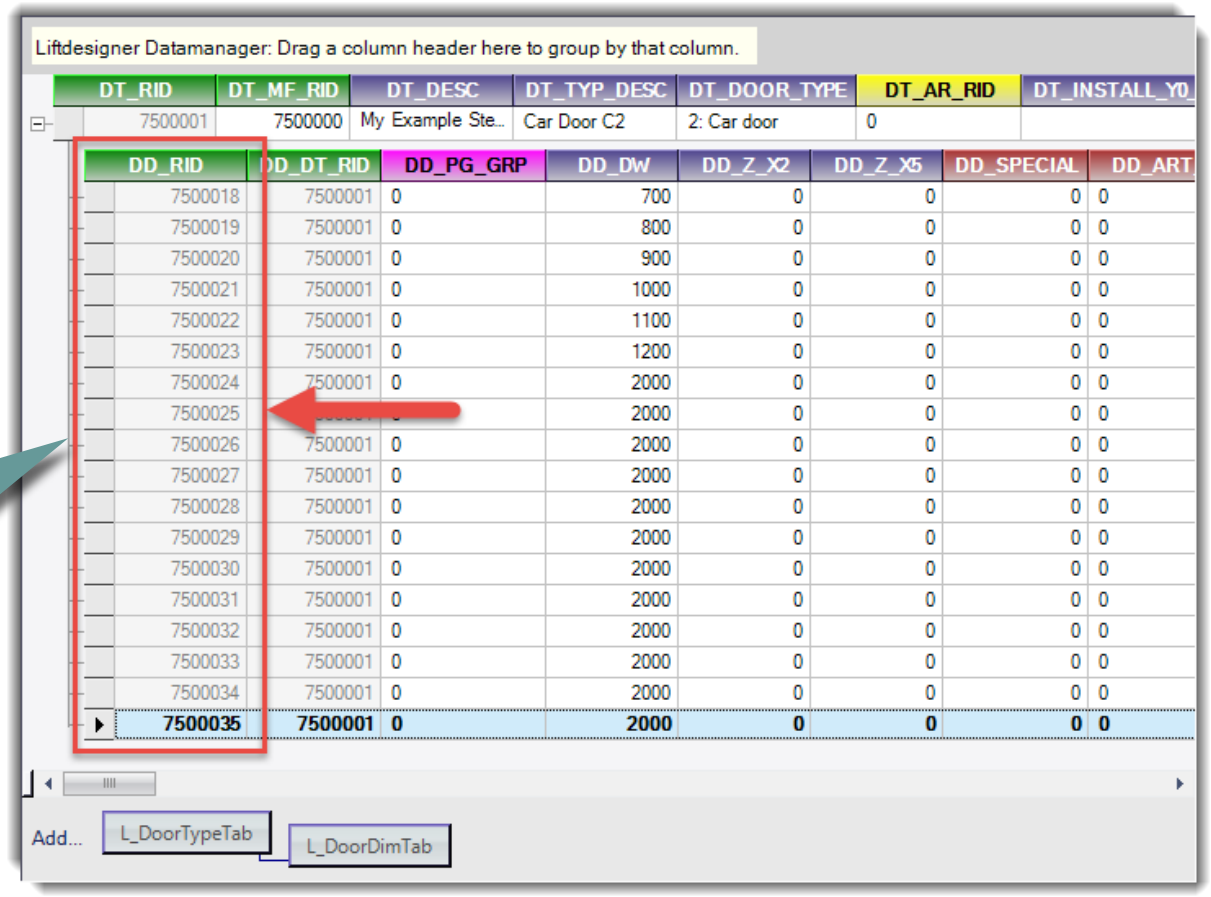
Edit the Meta Data

PL4.1 CAR DOOR

Copy and paste Data Rows

- with the in DigiPara Liftdesigner Datamanager
- complete existing content

Select an existing data row and use Ctrl. + C / Ctrl. + V on your keyboard to fill down the data table.

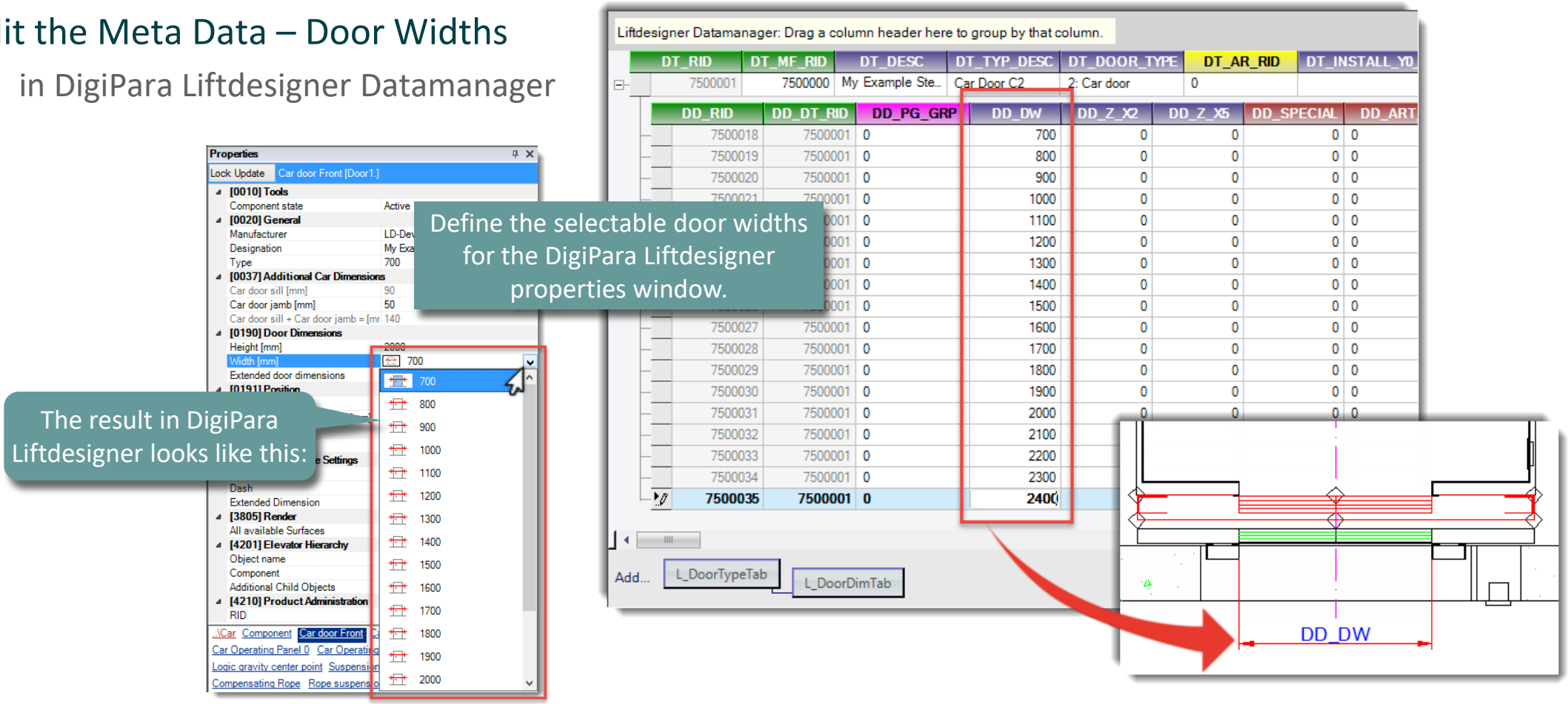


Edit the Meta Data

PL4.1 CAR DOOR

Edit the Meta Data – Door Widths

- in DigiPara Liftdesigner Datamanager



Use Explanation of Parameters and Values

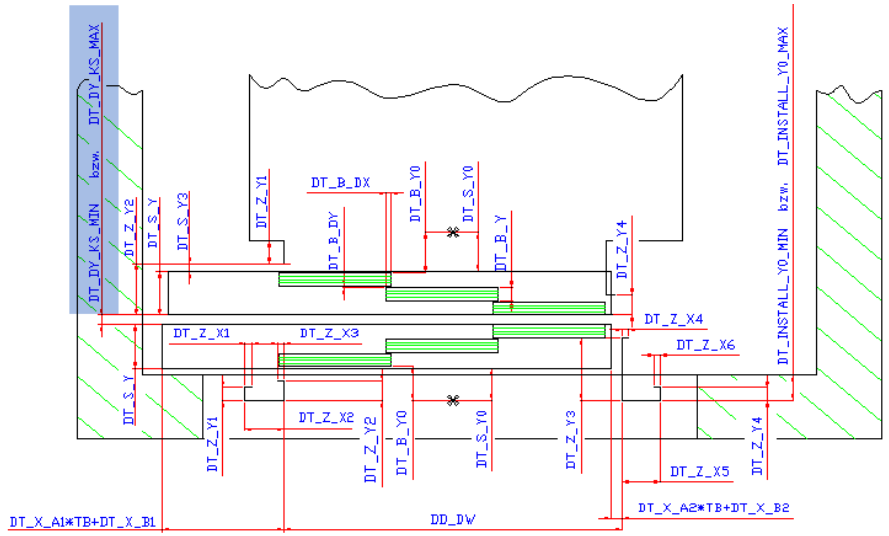
Use Explanation of Parameters and Values

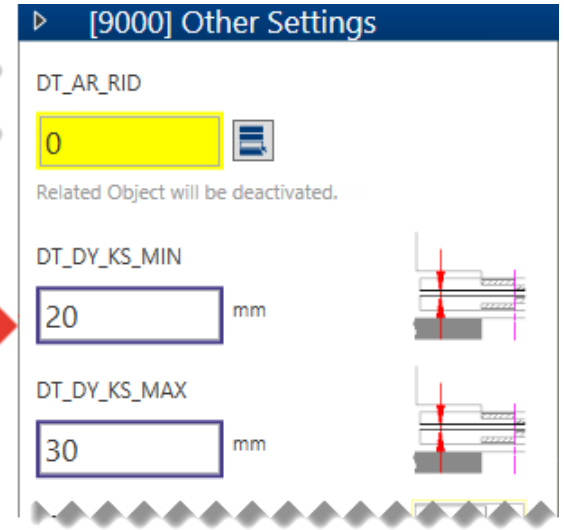
PL4.1 CAR DOOR

Define typical 3D-Parameters: Settings for Compatibility

Liftdesigner Datamanager: Drag a column header here to group by that column.

DT_RID	DT_MF_RID	DT_DESC	DT_TYP_DESC	DT_DY_KS_MIN	DT_DY_KS_MAX
7500001	7500000	My Example Steel Panels	Car Door C2	20	30



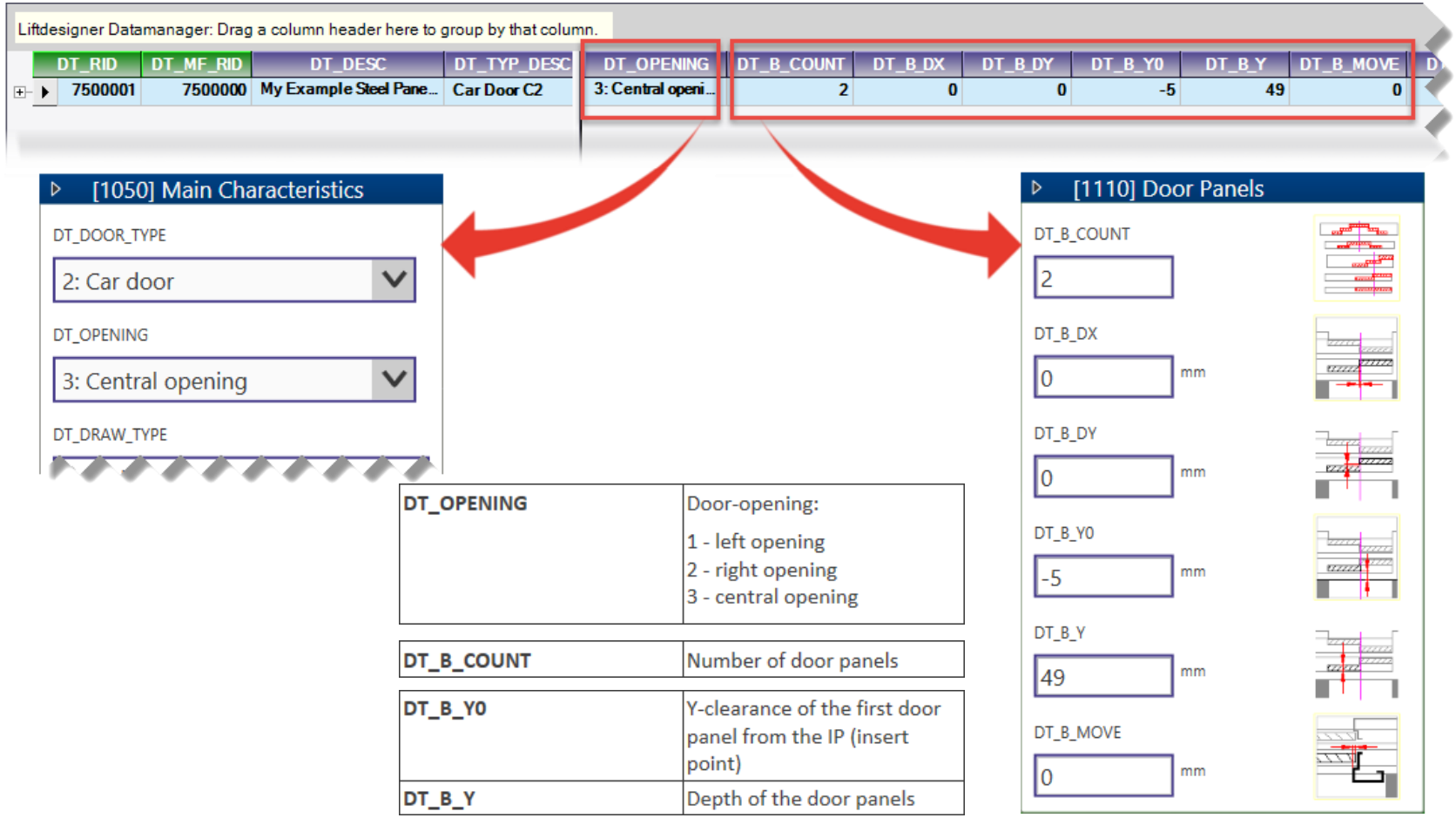


DT_DY_KS_MIN	Min. distance between car and landing door
DT_DY_KS_MAX	Max. distance between car and landing door

Use Explanation of Parameters and Values

PL4.1 CAR DOOR

Define typical 3D-Parameters: Opening Type & Door Panels

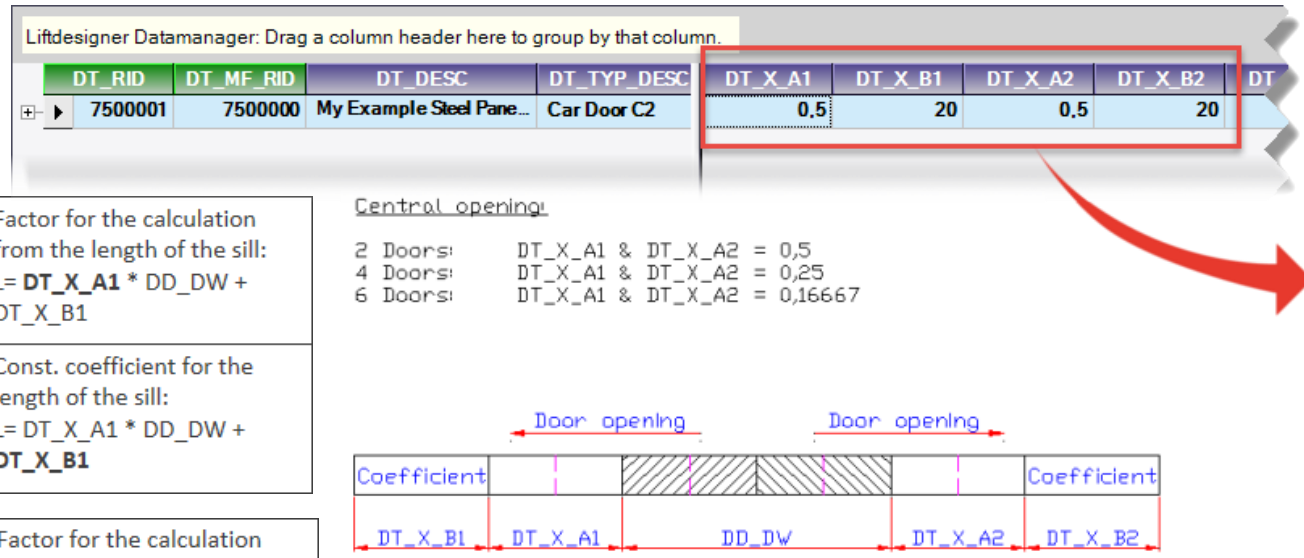


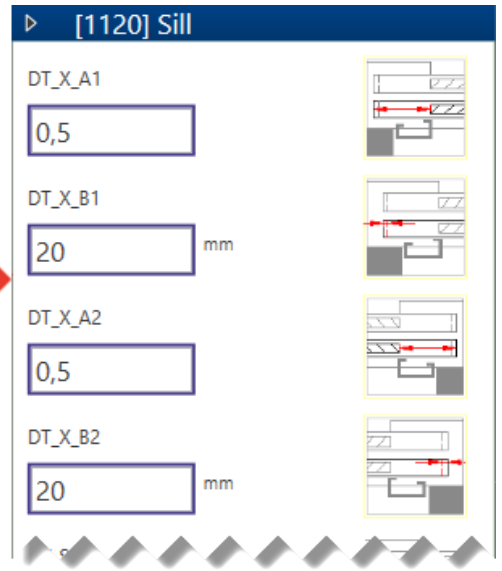
DT_OPENING	Door-opening: 1 - left opening 2 - right opening 3 - central opening
DT_B_COUNT	Number of door panels
DT_B_Y0	Y-clearance of the first door panel from the IP (insert point)
DT_B_Y	Depth of the door panels

Use Explanation of Parameters and Values

PL4.1 CAR DOOR

Define typical 3D-Parameters: Length of Sill





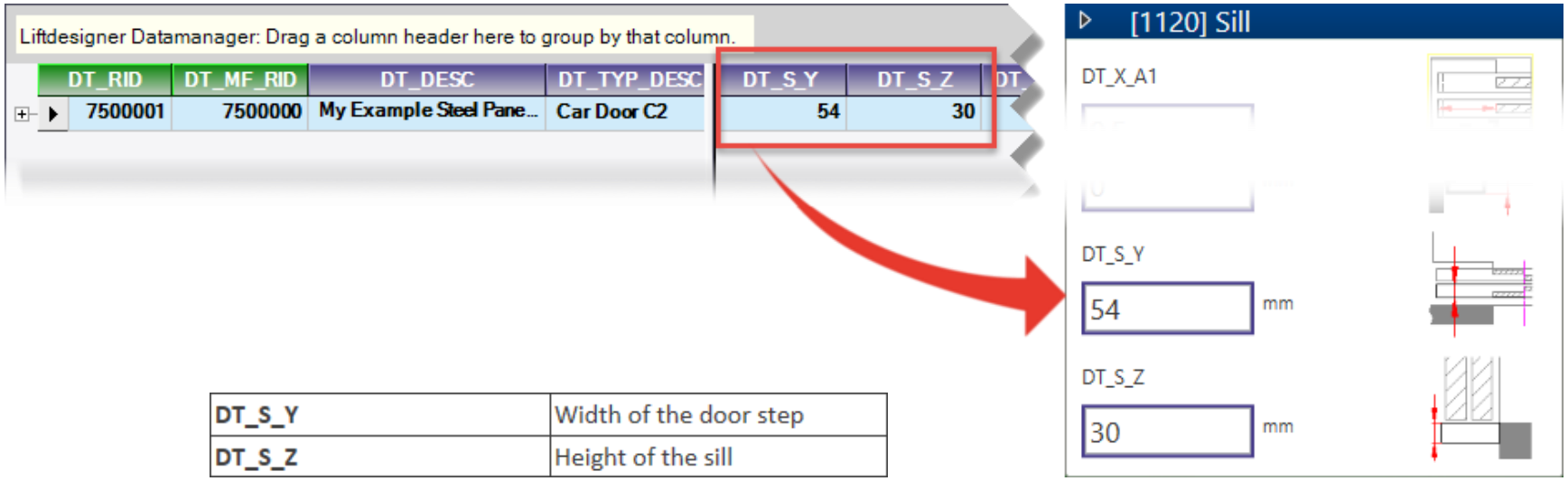
DT_X_A1	Factor for the calculation from the length of the sill: L= **DT_X_A1** * DD_DW + DT_X_B1
DT_X_B1	Const. coefficient for the length of the sill: L= DT_X_A1 * DD_DW + **DT_X_B1**

DT_X_A2	Factor for the calculation from the length of the sill: L= **DT_X_A2** * DD_DW + DT_X_B2
DT_X_B2	Const. coefficient for the length of the sill: L= DT_X_A2 * DD_DW + **DT_X_B2**

Use Explanation of Parameters and Values

PL4.1 CAR DOOR

Define typical 3D-Parameters: Sill Dimensions



DT_S_Y	Width of the door step
DT_S_Z	Height of the sill

Use Explanation of Parameters and Values

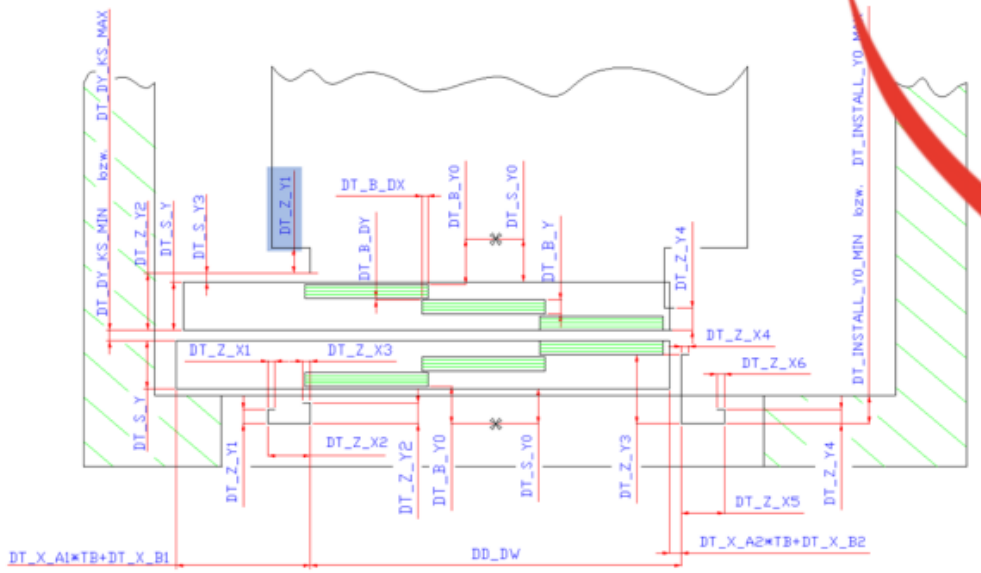
PL4.1 CAR DOOR

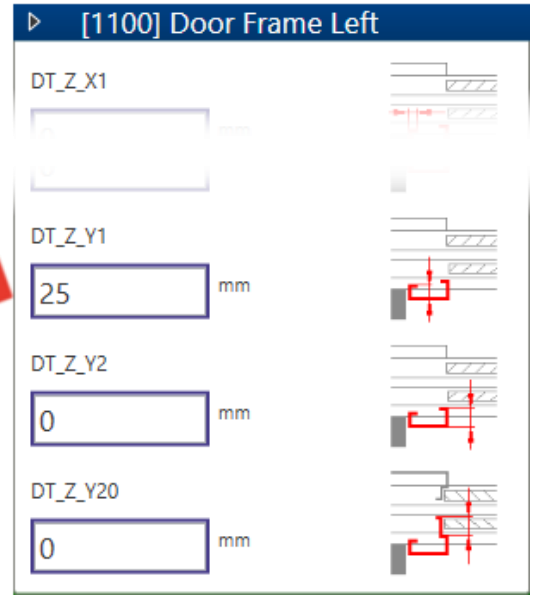
Define typical 3D-Parameters: Door Frame Left in Y-Direction

DT_Z_Y1	Value of the profile of the Architrave, at the car door this value gives you the suggested entry.

Liftdesigner Datamanager: Drag a column header here to group by that column.

DT_RID	DT_MF_RID	DT_DESC	DT_TYP_DESC	DT_Z_Y1	DT_Z_Y2	DT_Z_Y3	DT_Z_Y20	DT_Z_Y4	D
7500001	7500000	My Example Steel Pane...	Car Door C2	25	0	0	0	0	





Use Explanation of Parameters and Values

PL4.1 CAR DOOR

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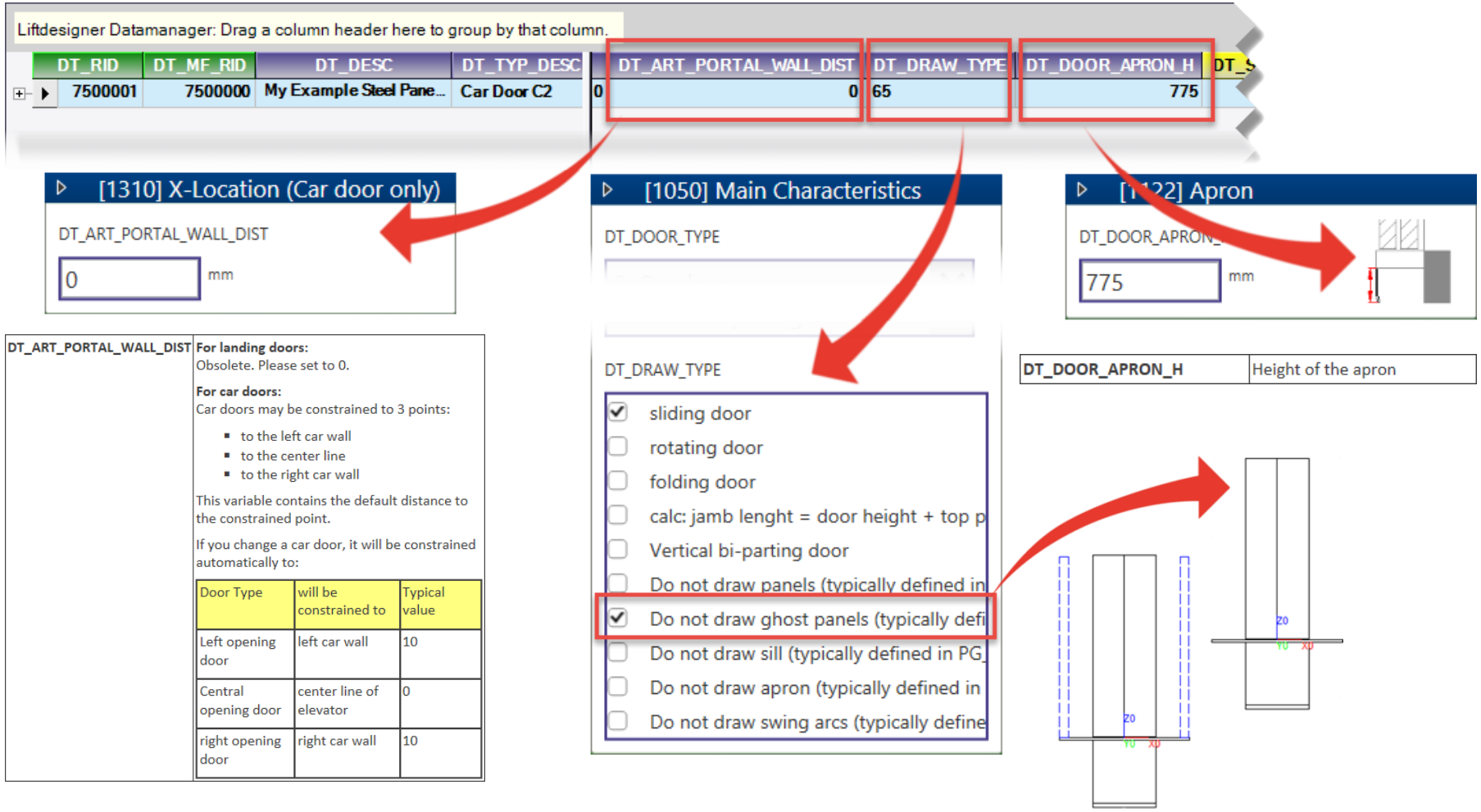
Define typical 3D-Parameters: Main Characteristic & Apron Size



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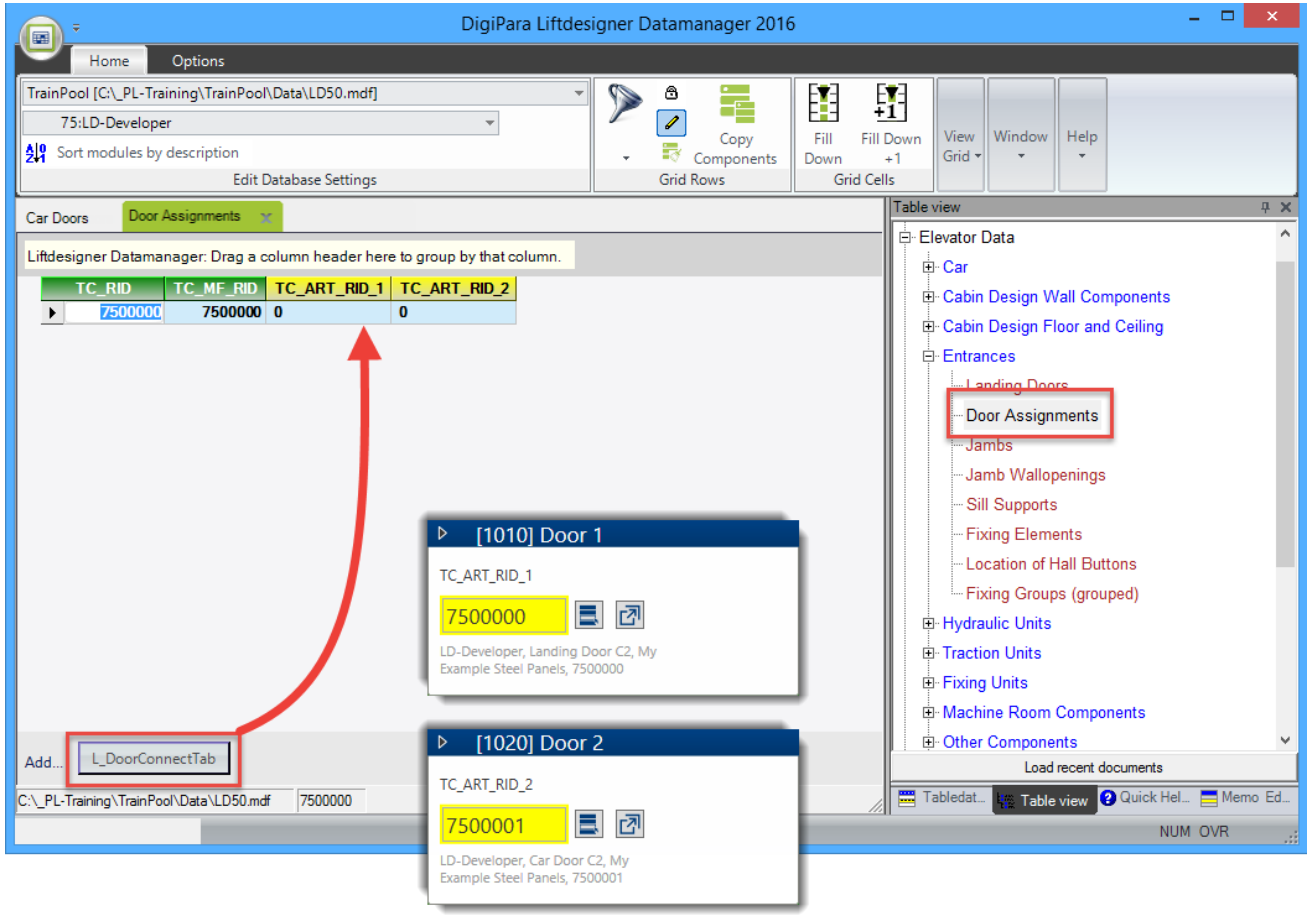
PL4.1

Door Assignment

Creating a Door Assignment

PL4.1 CAR ASSIGNMENT

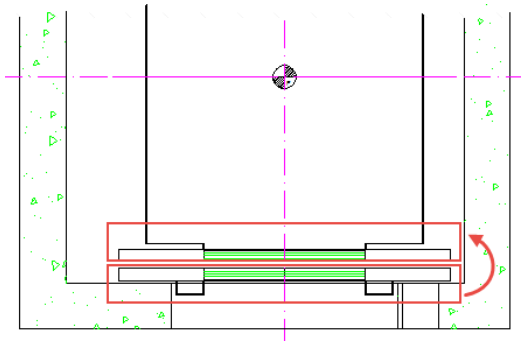
- … in DigiPara Liftdesigner Datamanager

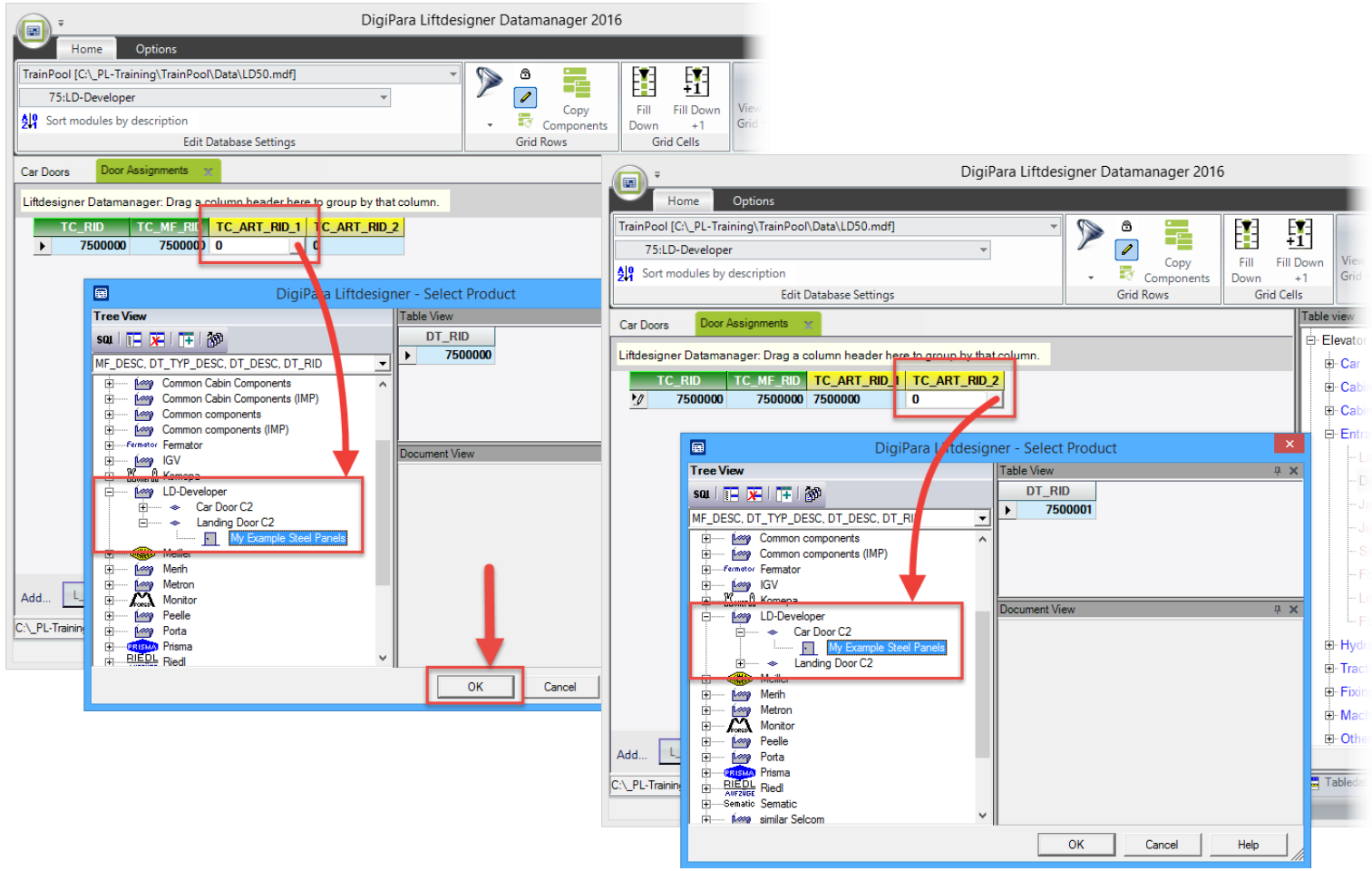


Creating a Door Assignment

PL4.1 CAR ASSIGNMENT

Relation between front Landing Door and front Car Door

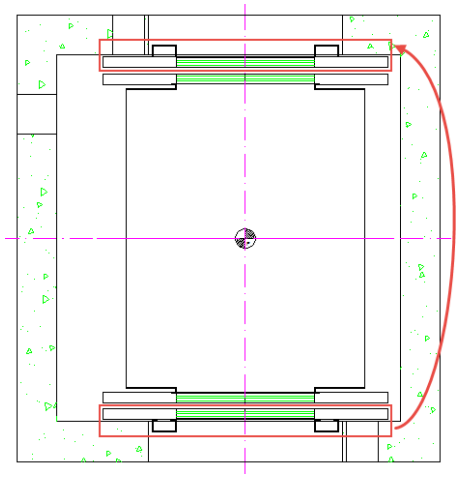


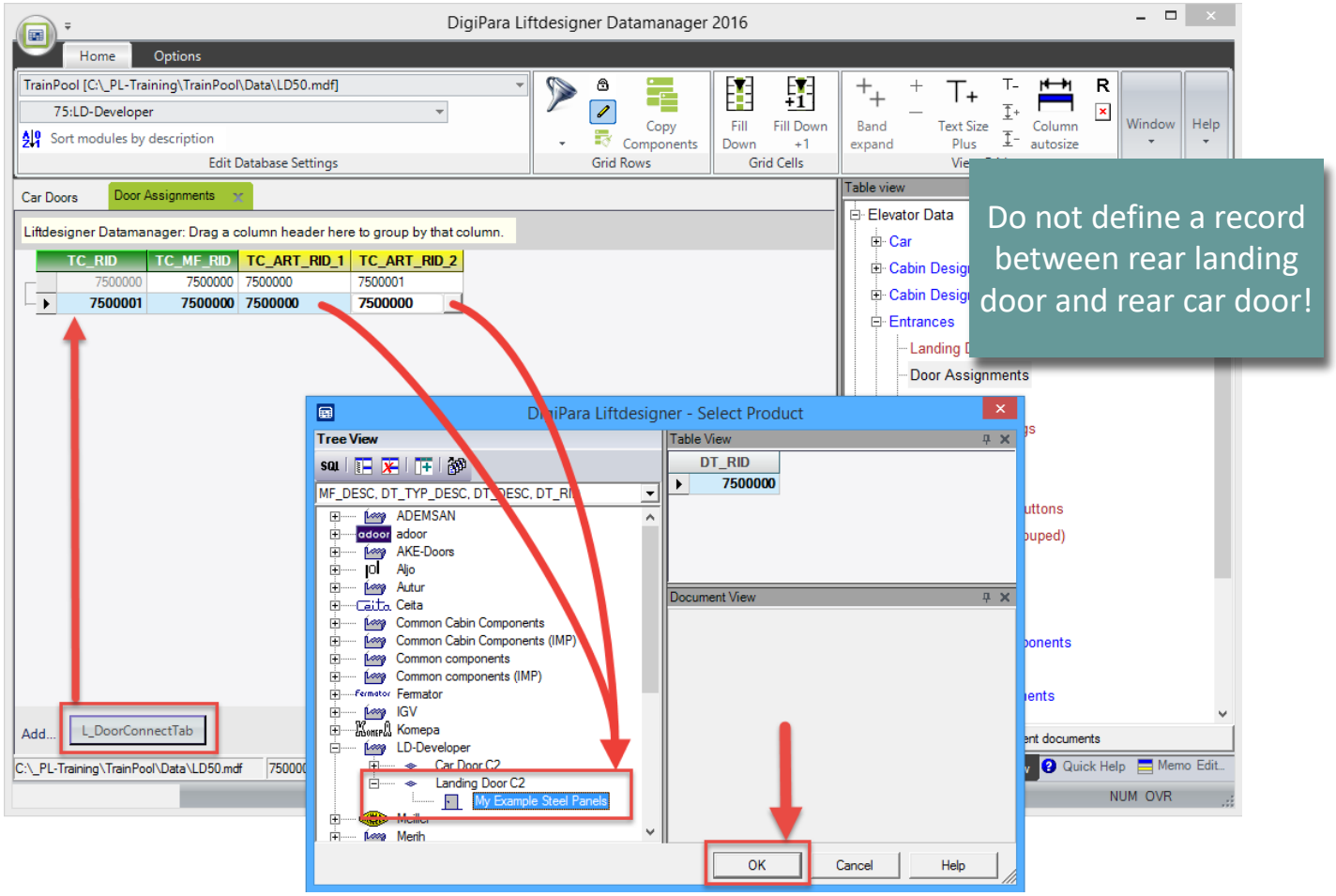


Creating a Door Assignment

PL4.1 CAR ASSIGNMENT

Relation between front Landing Door and rear Landing Door



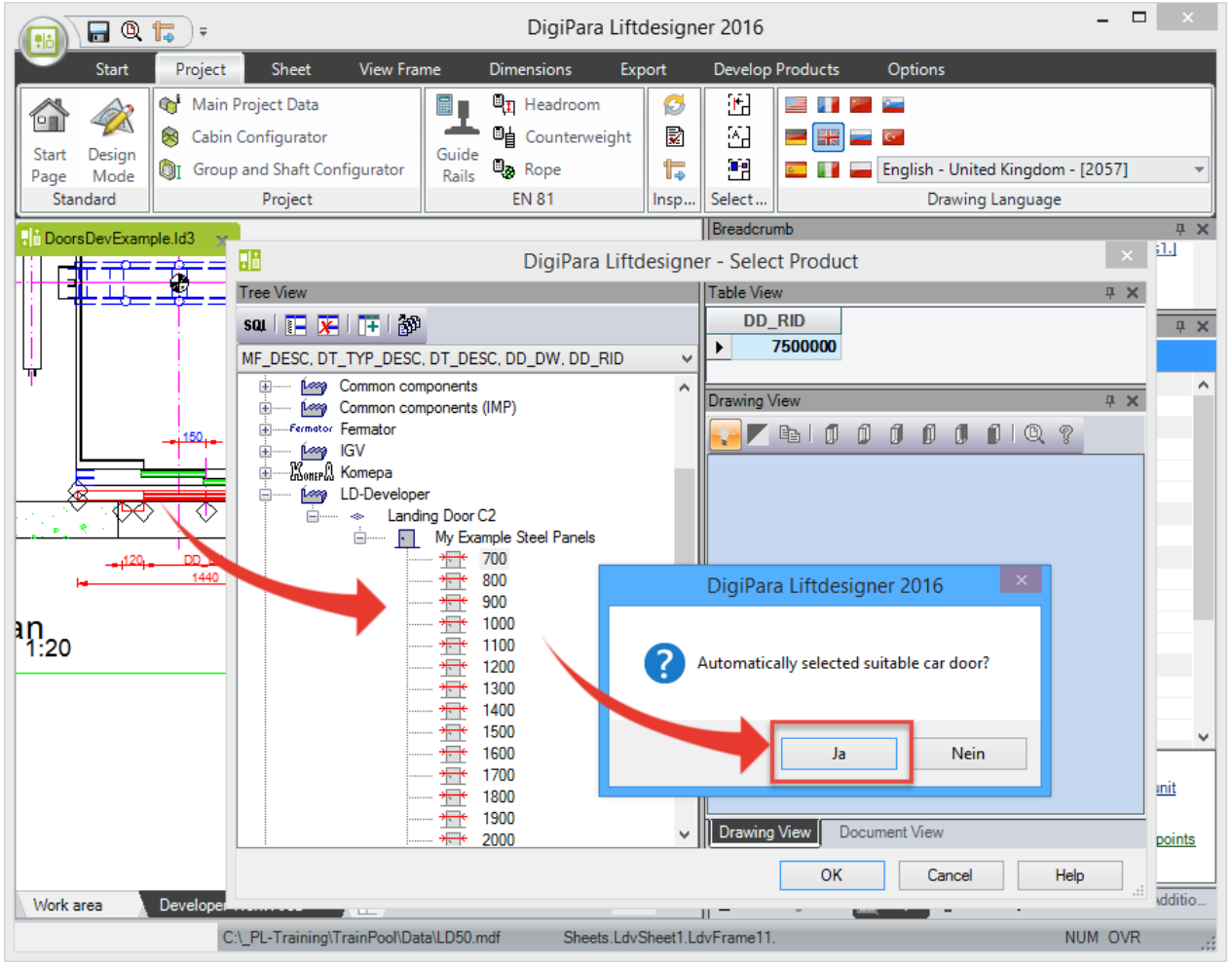


Creating a Door Assignment

PL4.1 CAR ASSIGNMENT

Exchanging the Landing Door

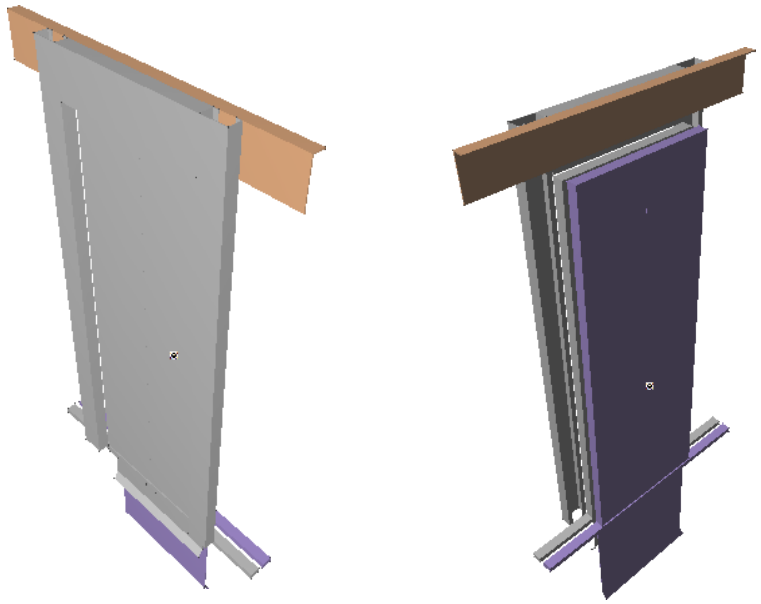
- Load your Landing Door again in DigiPara Liftdesigner

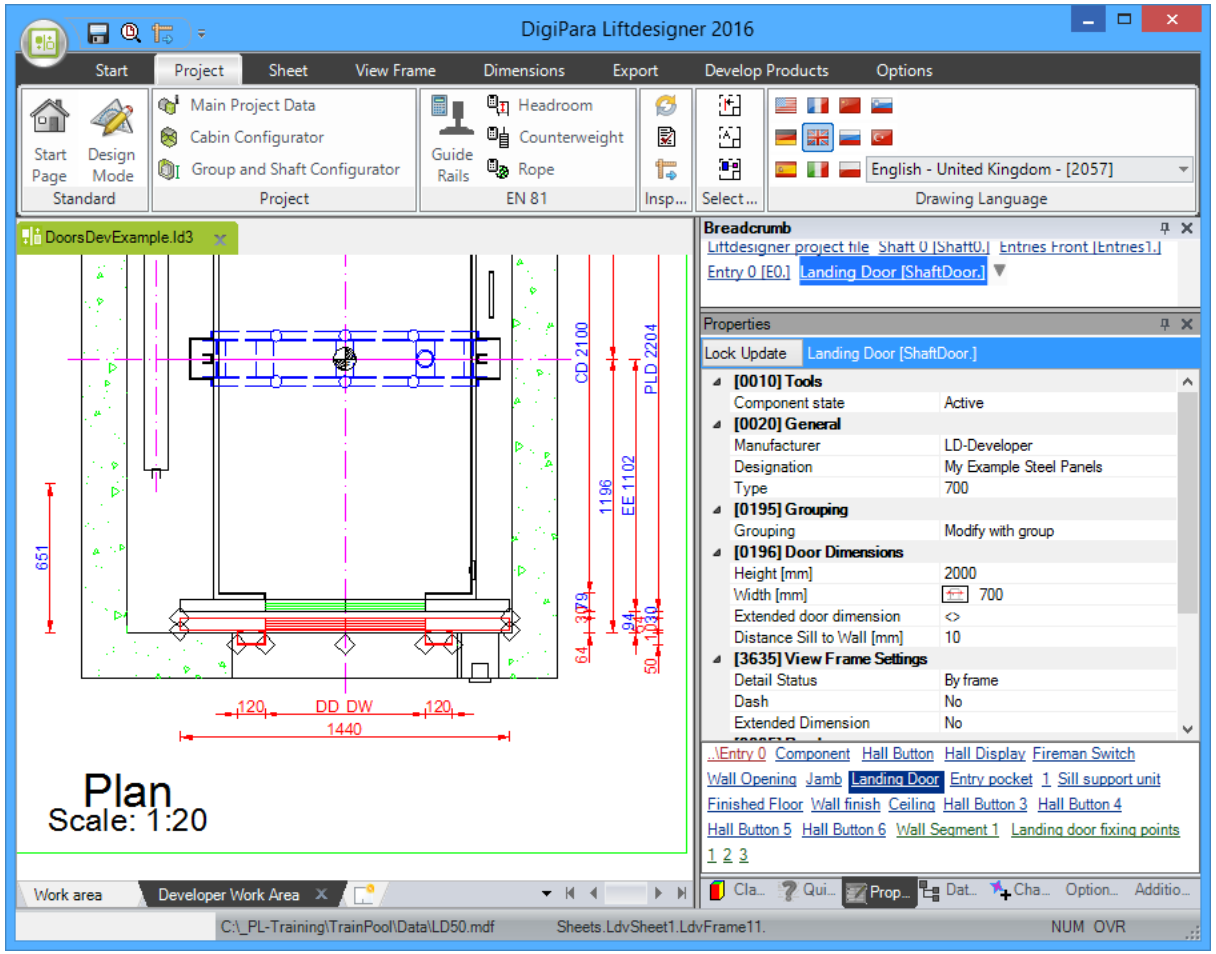


Creating a Door Assignment

PL4.1 CAR ASSIGNMENT

The Result in DigiPara Liftdesigner





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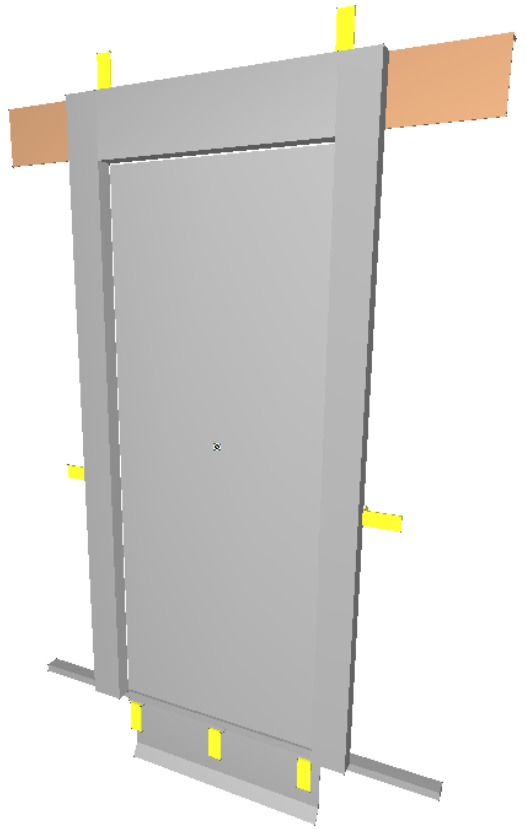
PL4.2

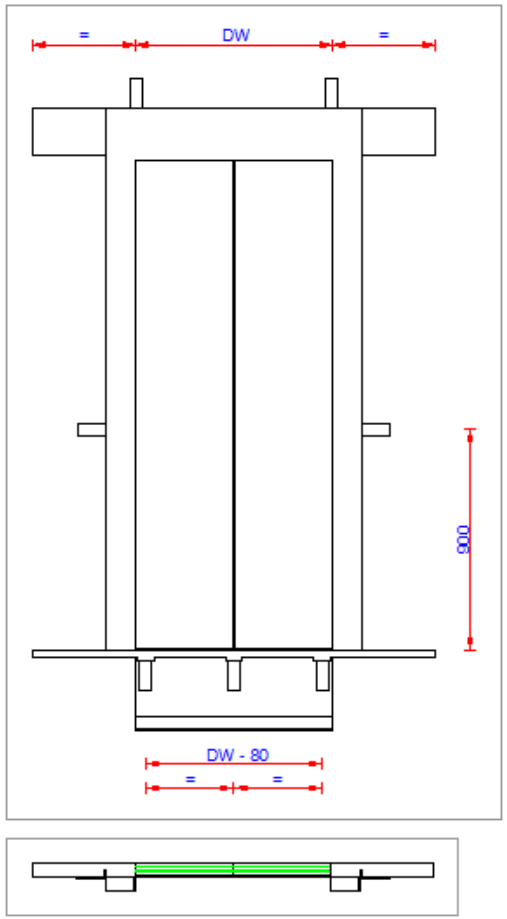
Door Fixings

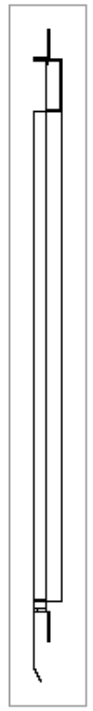
DOOR FIXINGS

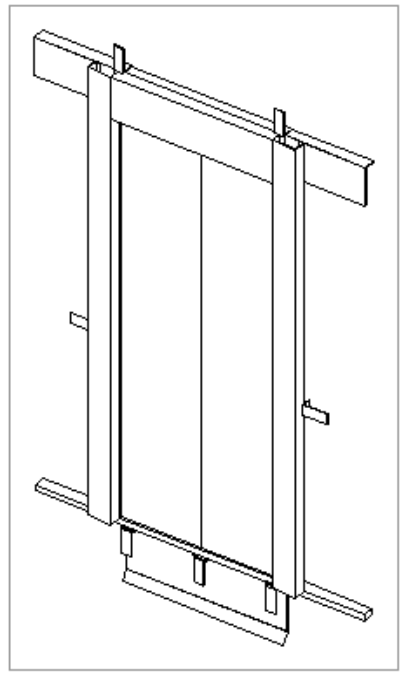
PL4.2 Door Fixings

Fixing Elements & Fixing Groups









Copy a similar BIM Component

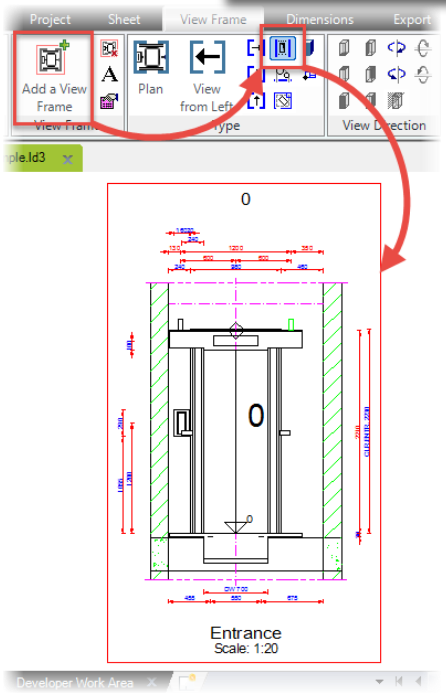
Copy a similar BIM Component

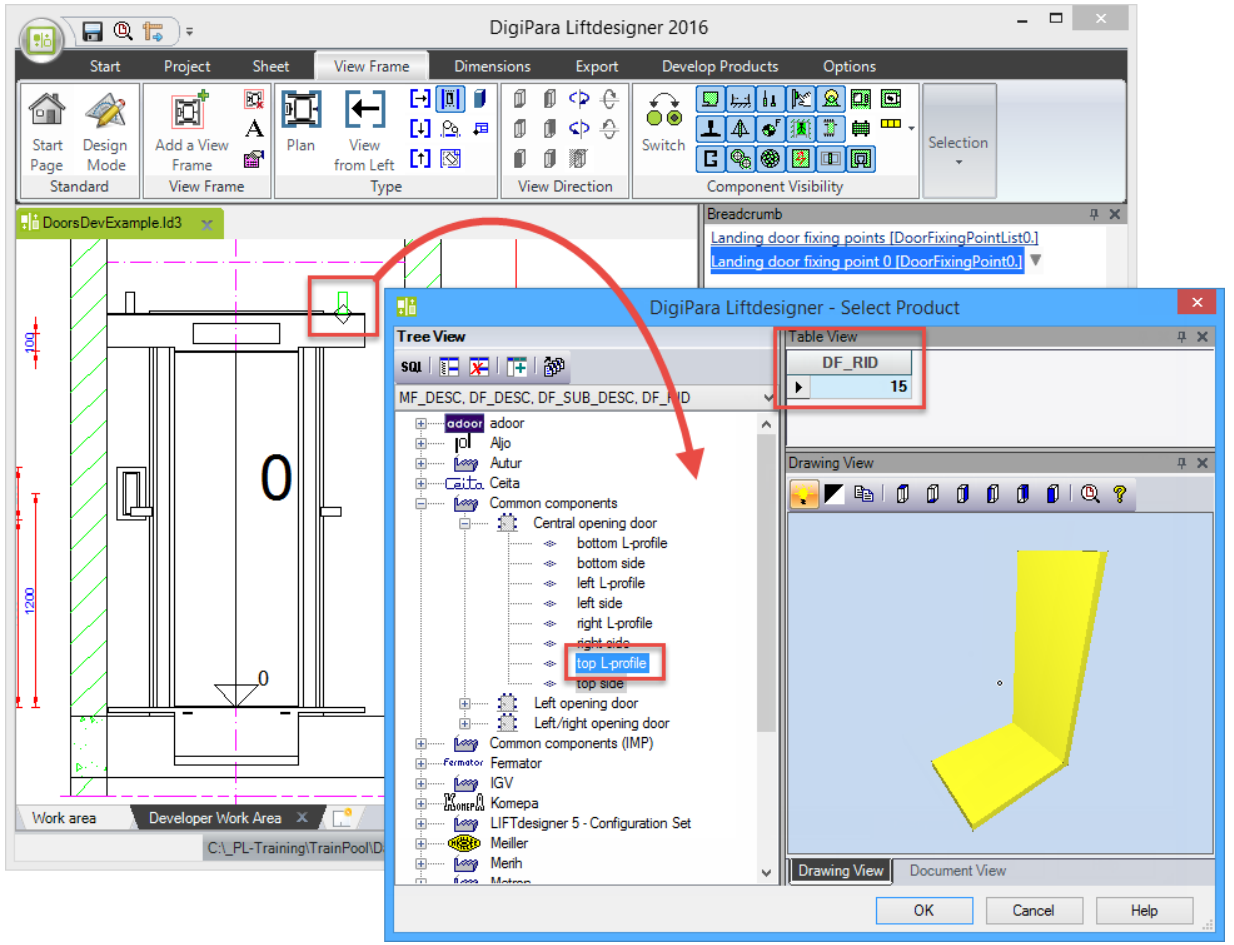
PL4.2 DOOR FIXINGS

Find a similar BIM Component

- in DigiPara Liftdesigner

Add a new Entrance view frame to see all the existing door fixing elements.



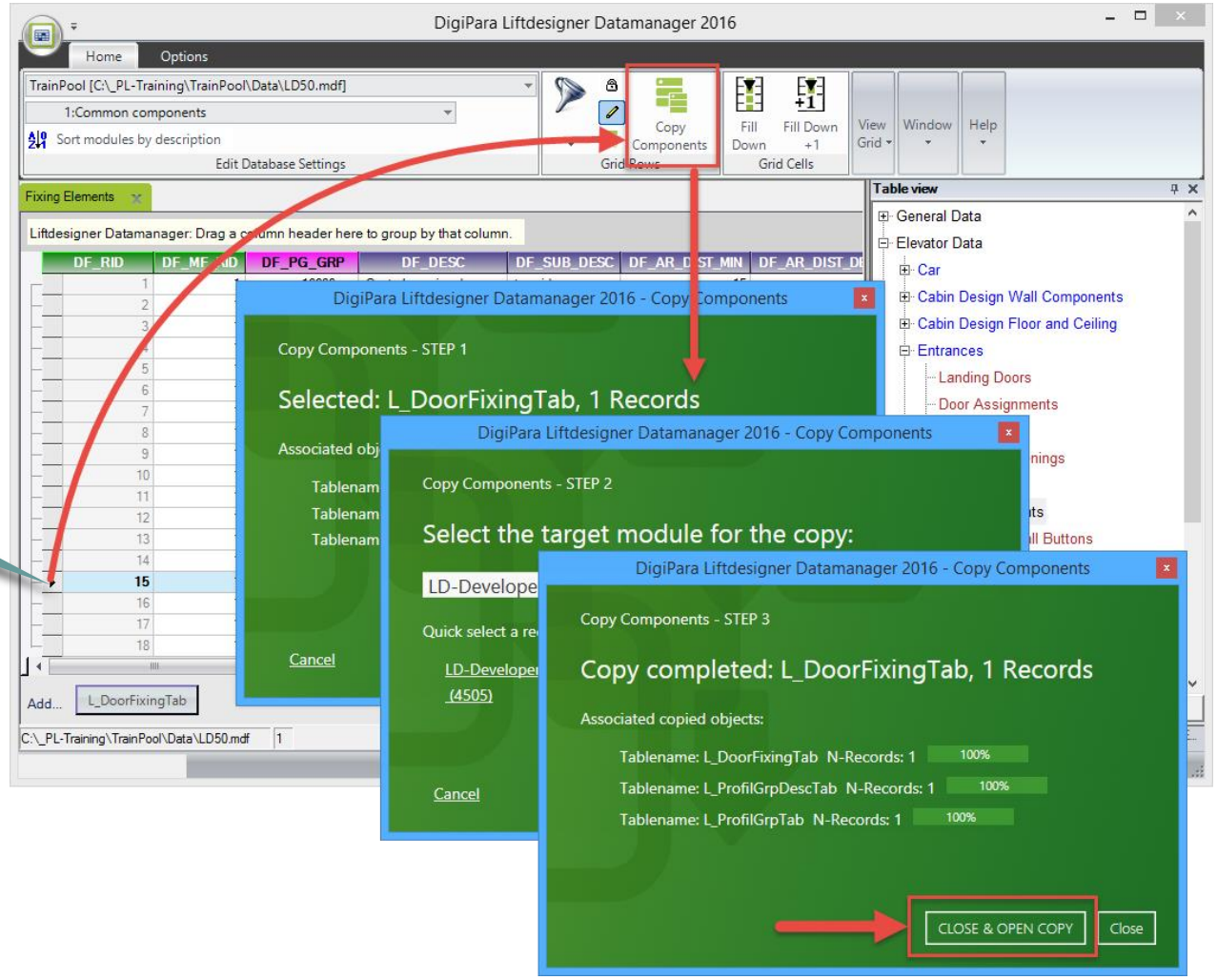


Copy a similar BIM Component

PL4.2 DOOR FIXINGS

Copy a similar BIM component

- in DigiPara Liftdesigner Datamanager

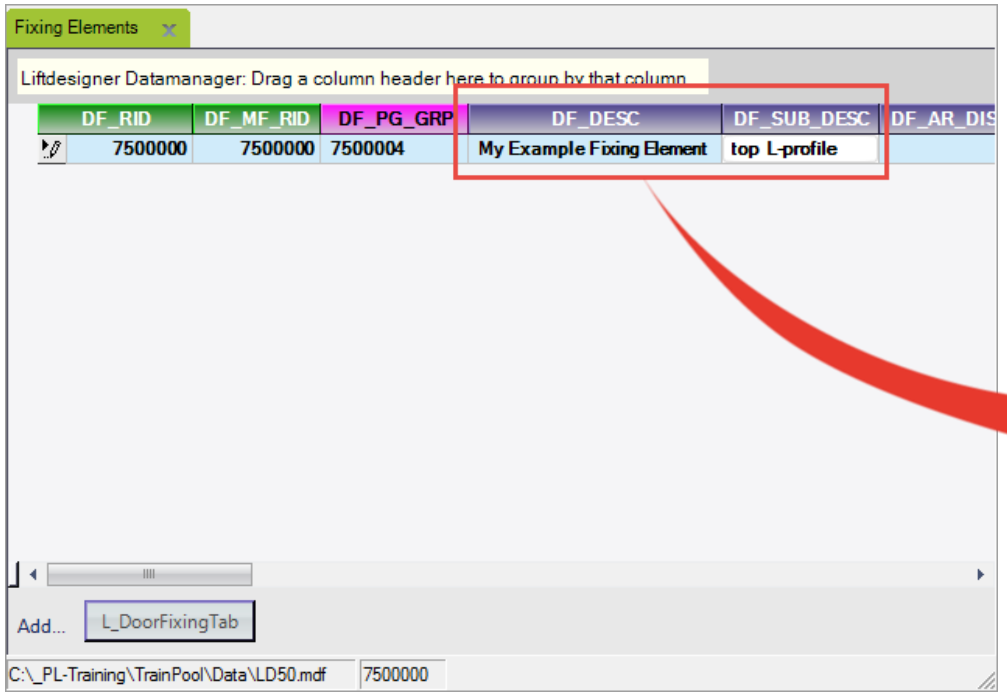


Edit the Meta Data

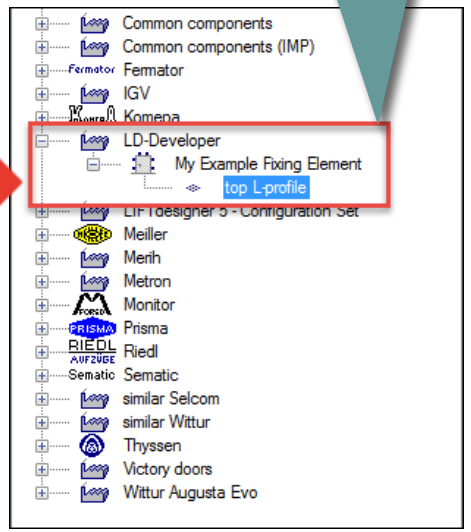
Edit the Meta Data – Description

- in DigiPara Liftdesigner Datamanager

Add a new specific description for the new copied BIM component.



Result in the DigiPara BIM Library.



Edit the Meta Data

PL4.2 DOOR FIXINGS

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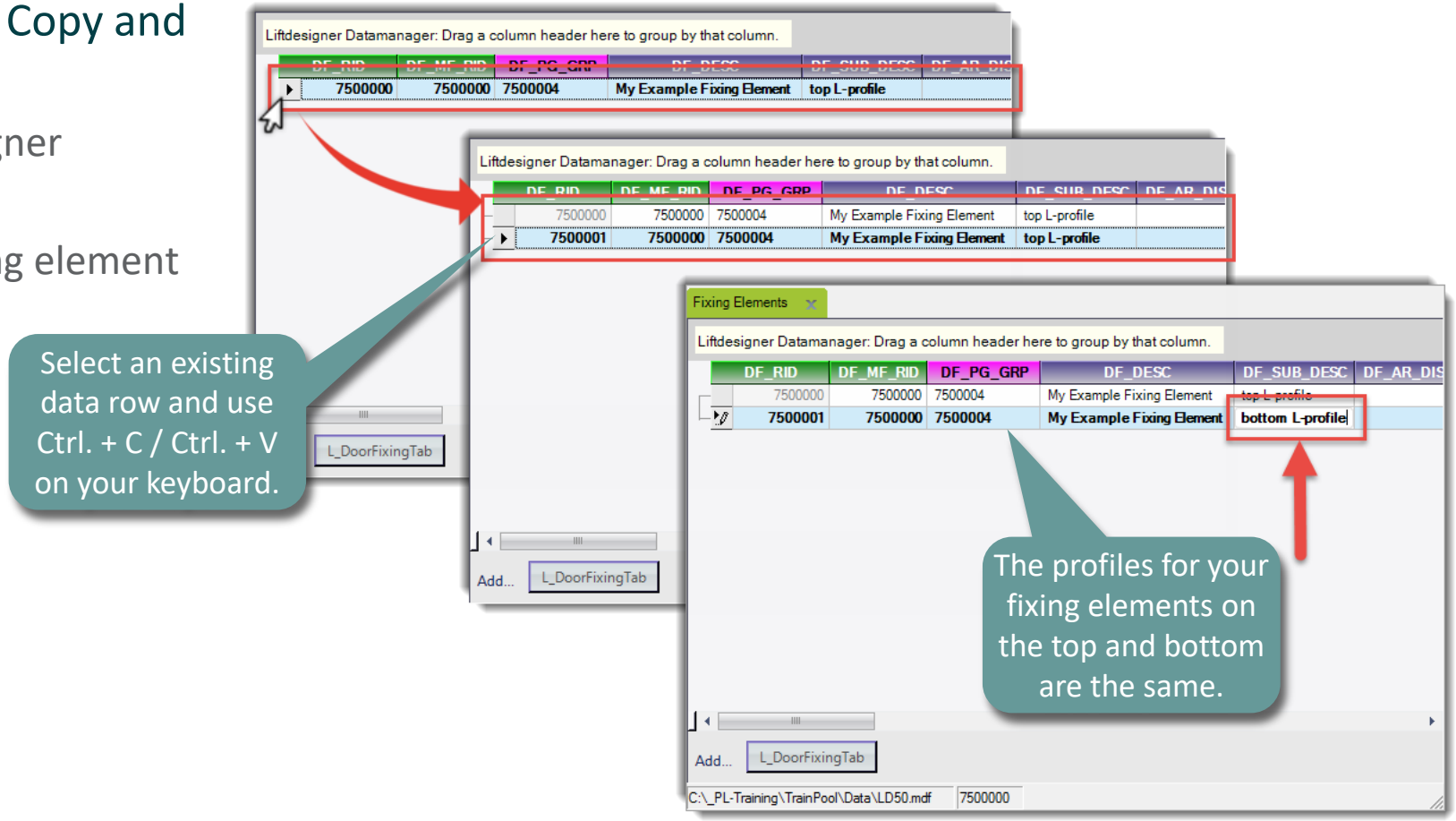
Edit the Meta Data – Copy and paste Data Rows

- in DigiPara Liftdesigner Datamanager
- for the bottom fixing element



Load your edited BIM Component

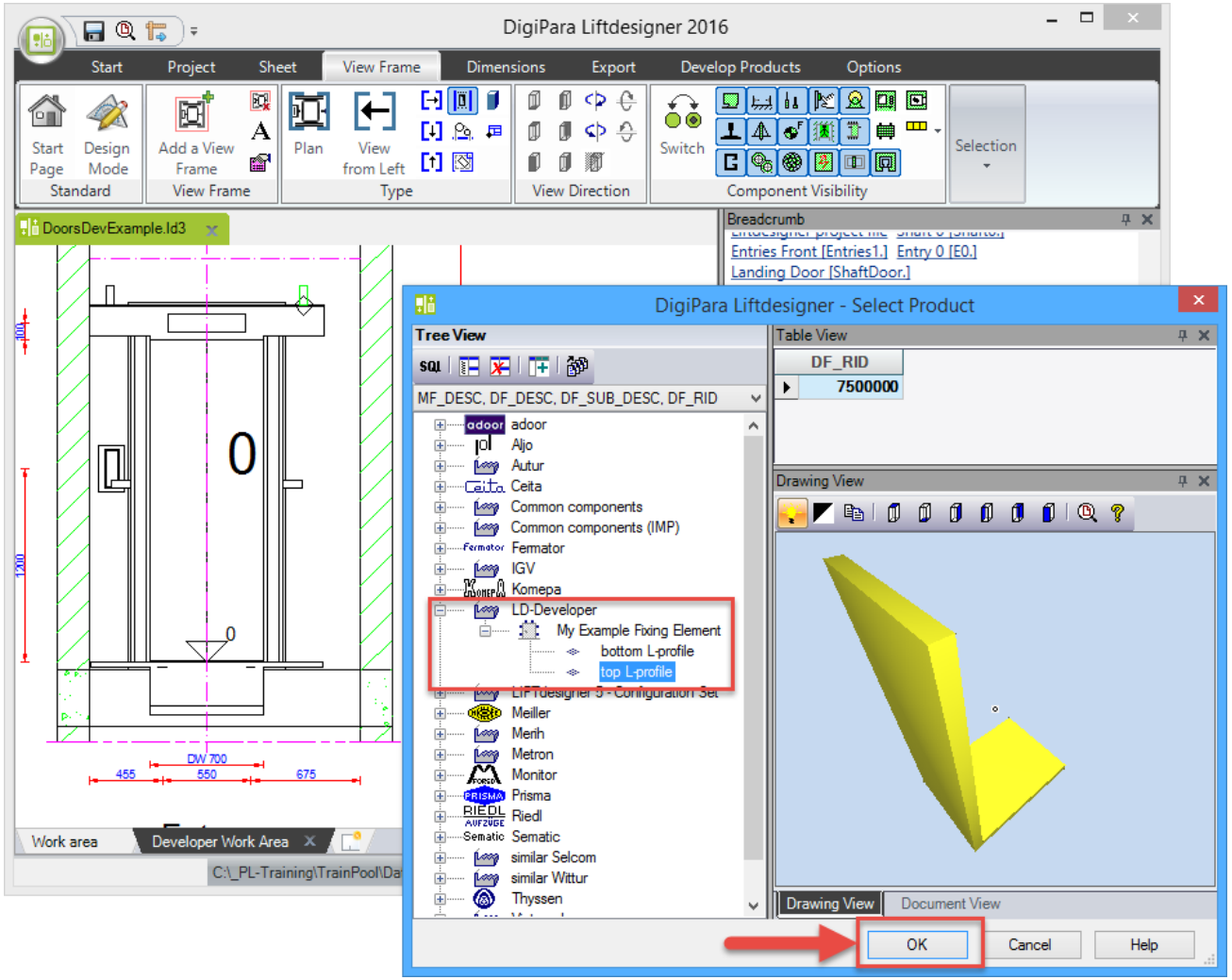
Load your edited BIM Component

PL4.2 DOOR FIXINGS

digipara® liftdesigner

Load your edited BIM Components

- in DigiPara Liftdesigner



Load the Developer Work Area

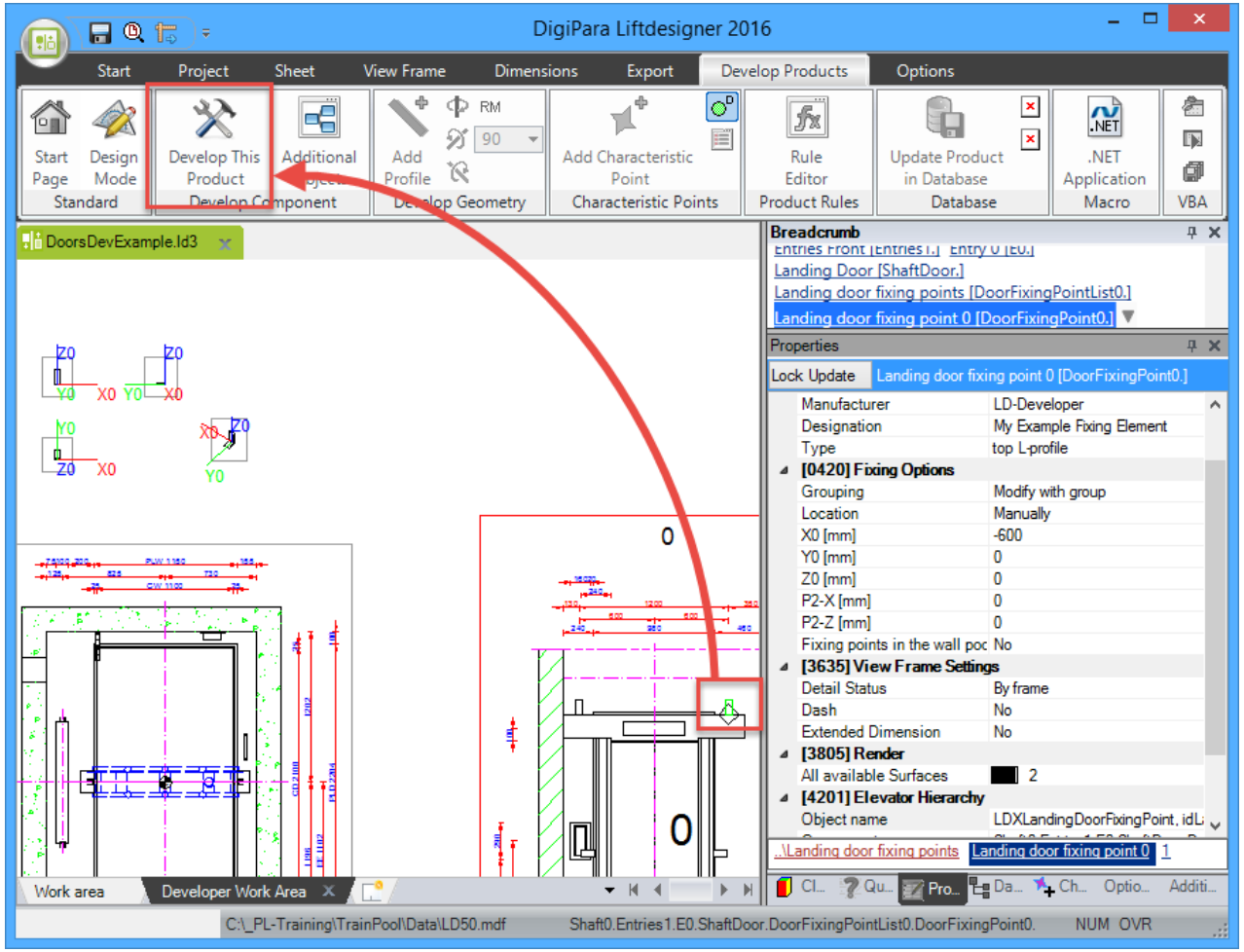
Door Fixings

TYPICAL PROCESSES

Develop this BIM Component

- in DigiPara Liftdesigner

- Select the corresponding component in an existing view frame and click on the button: Develop this BIM components -> the component appears in the developer view frames.

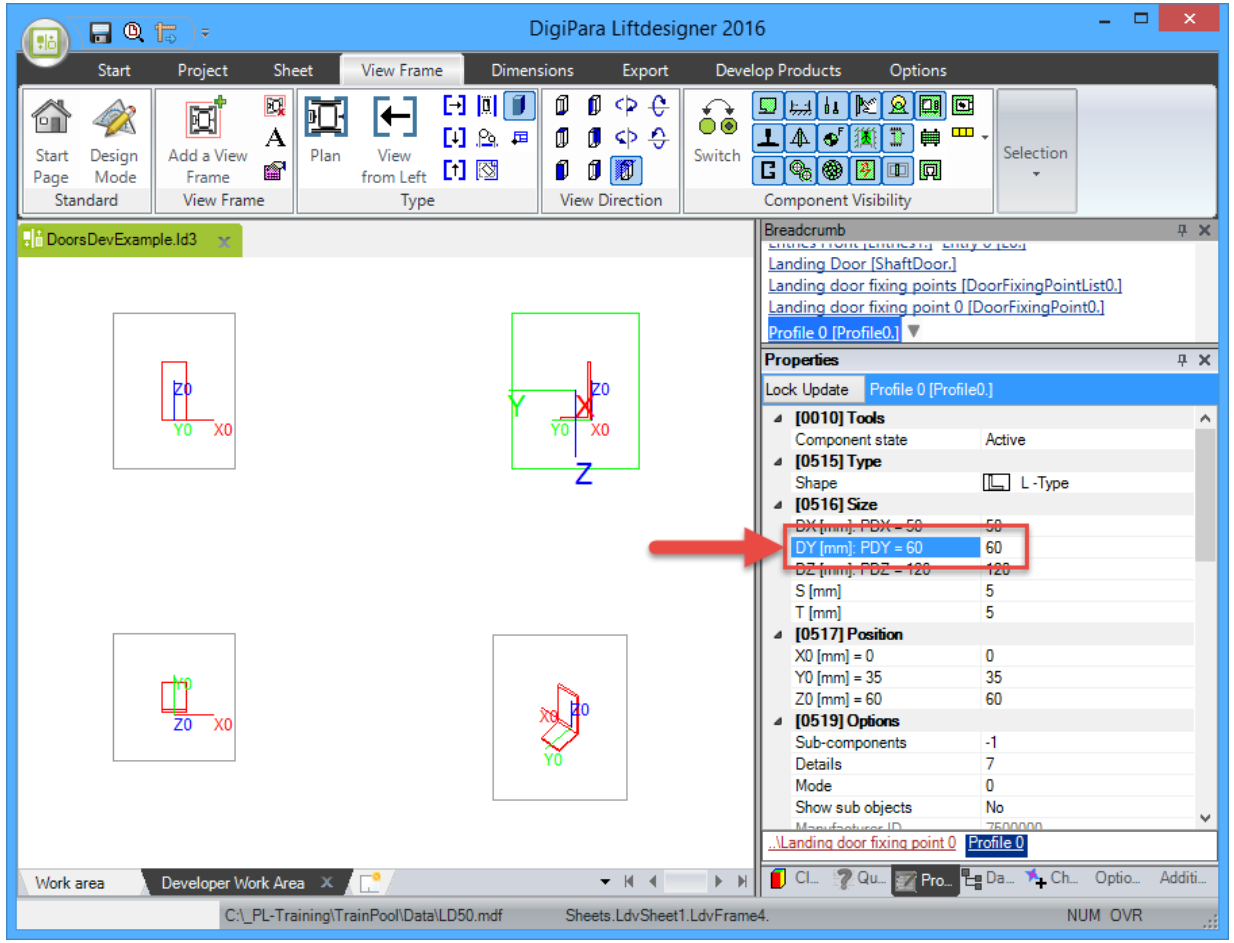


- [x] Modify the simplified 3D Geometry

Modify the simplified 3D Geometry

PL4.2 DOOR FIXINGS

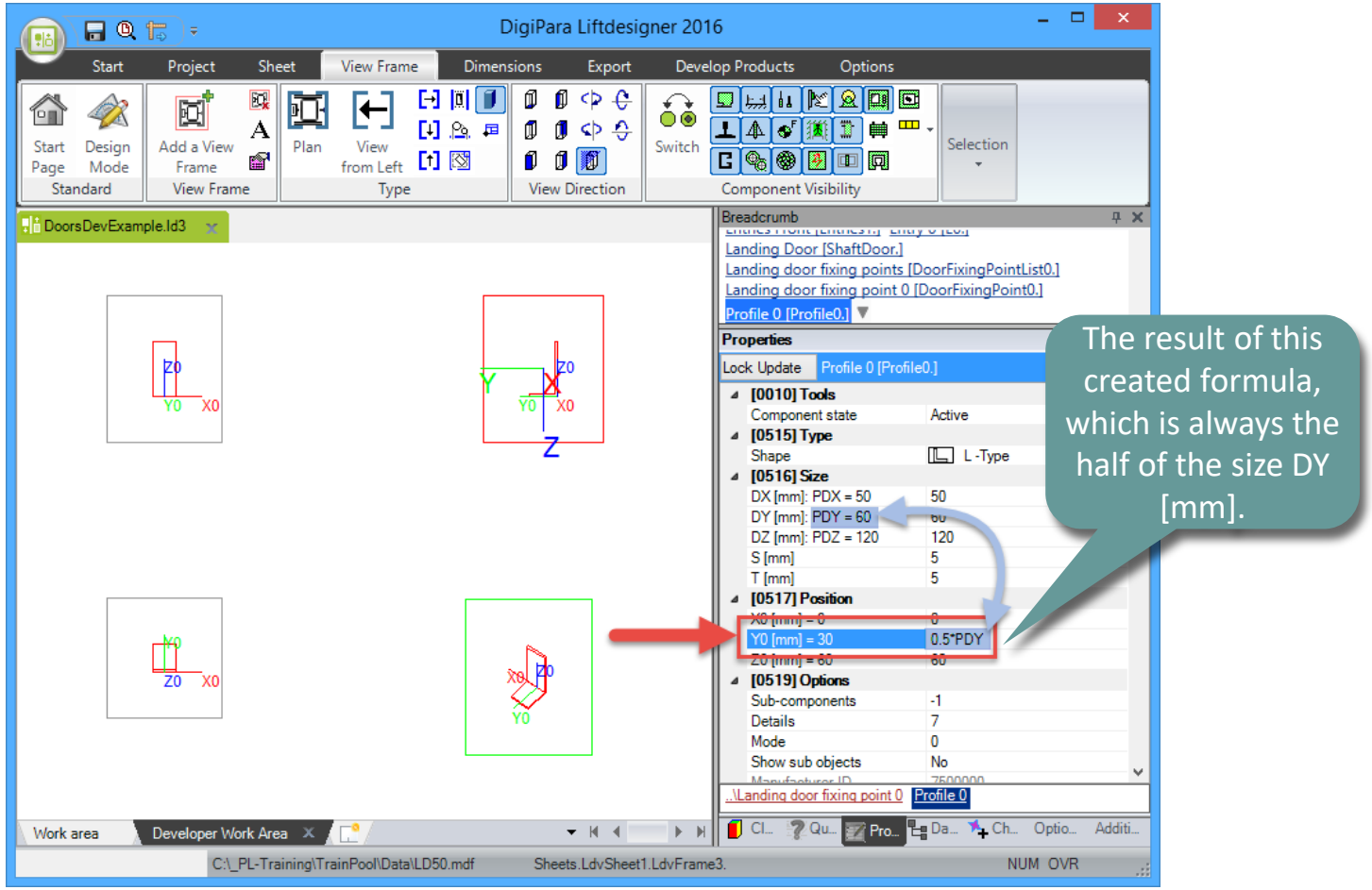
Change the size DY of the profile in the properties window.



Modify the simplified 3D Geometry

PL4.2 DOOR FIXINGS

Define an appropriate formula for the position in Y-direction: Y0 [mm]



Save into the DigiPara BIM Library

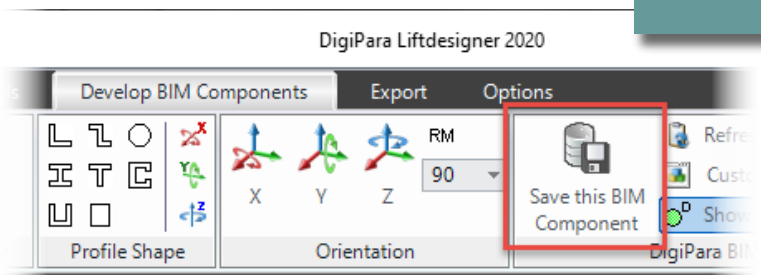
Save into the DigiPara BIM Library

PL4.2 DOOR FIXINGS

Save the finished defined BIM Component

- into the DigiPara BIM Library

Hint: After each processing step on the BIM component geometry



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PL4.2

Fixing Groups

FIXING GROUPS

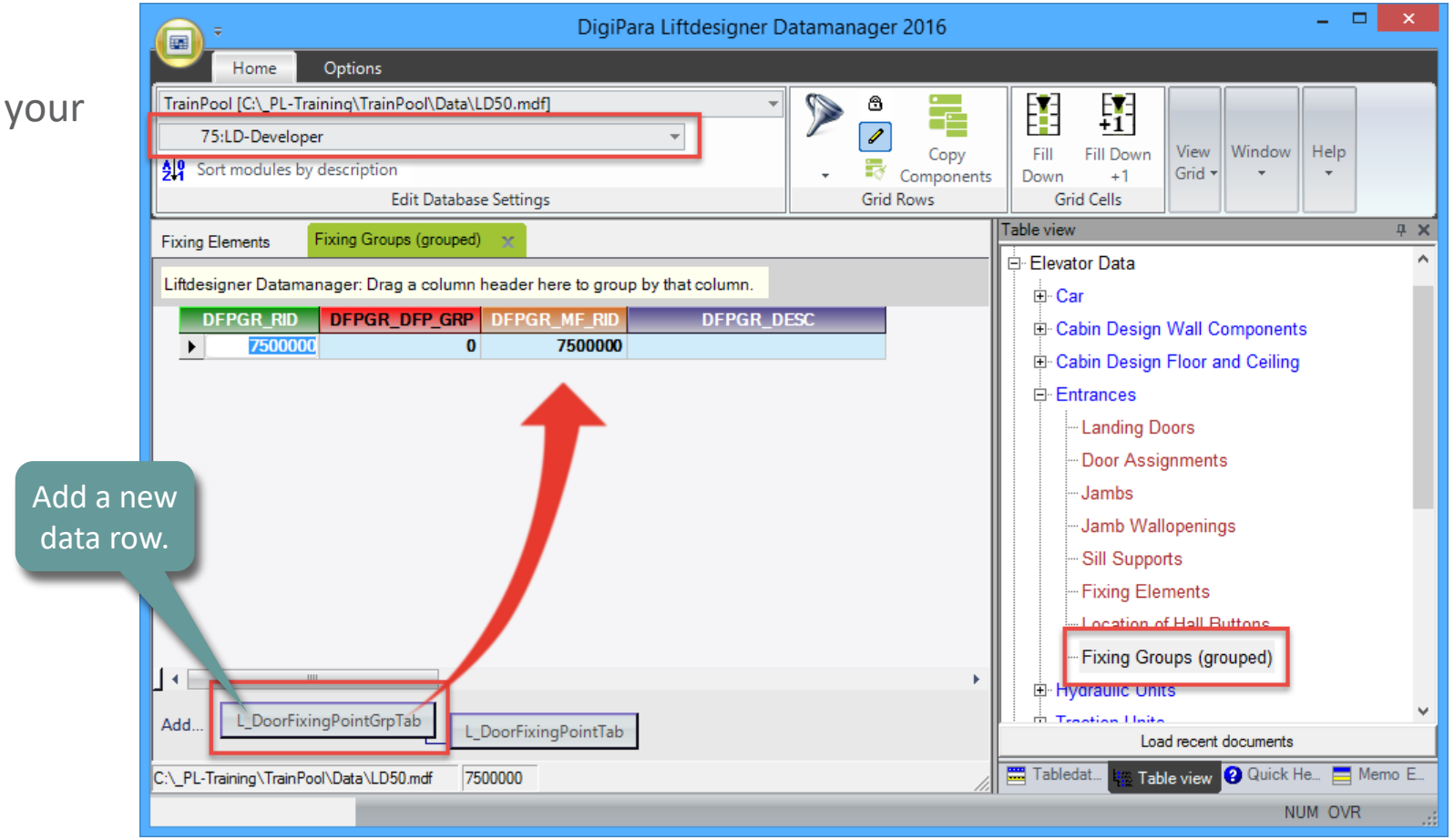
- [x] Add and define new Fixing Points

Add and define new Fixing Points

PL4.2 FIXING GROUPS

Landing Door

- Add a new Fixing Group for your Landing Door
  - in DigiPara Liftdesigner Datamanager

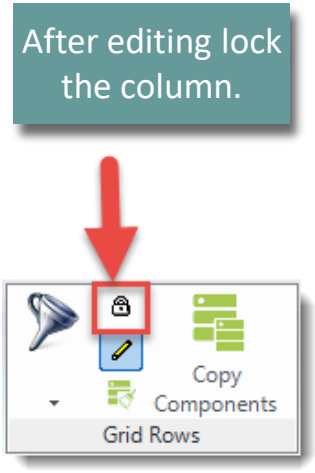


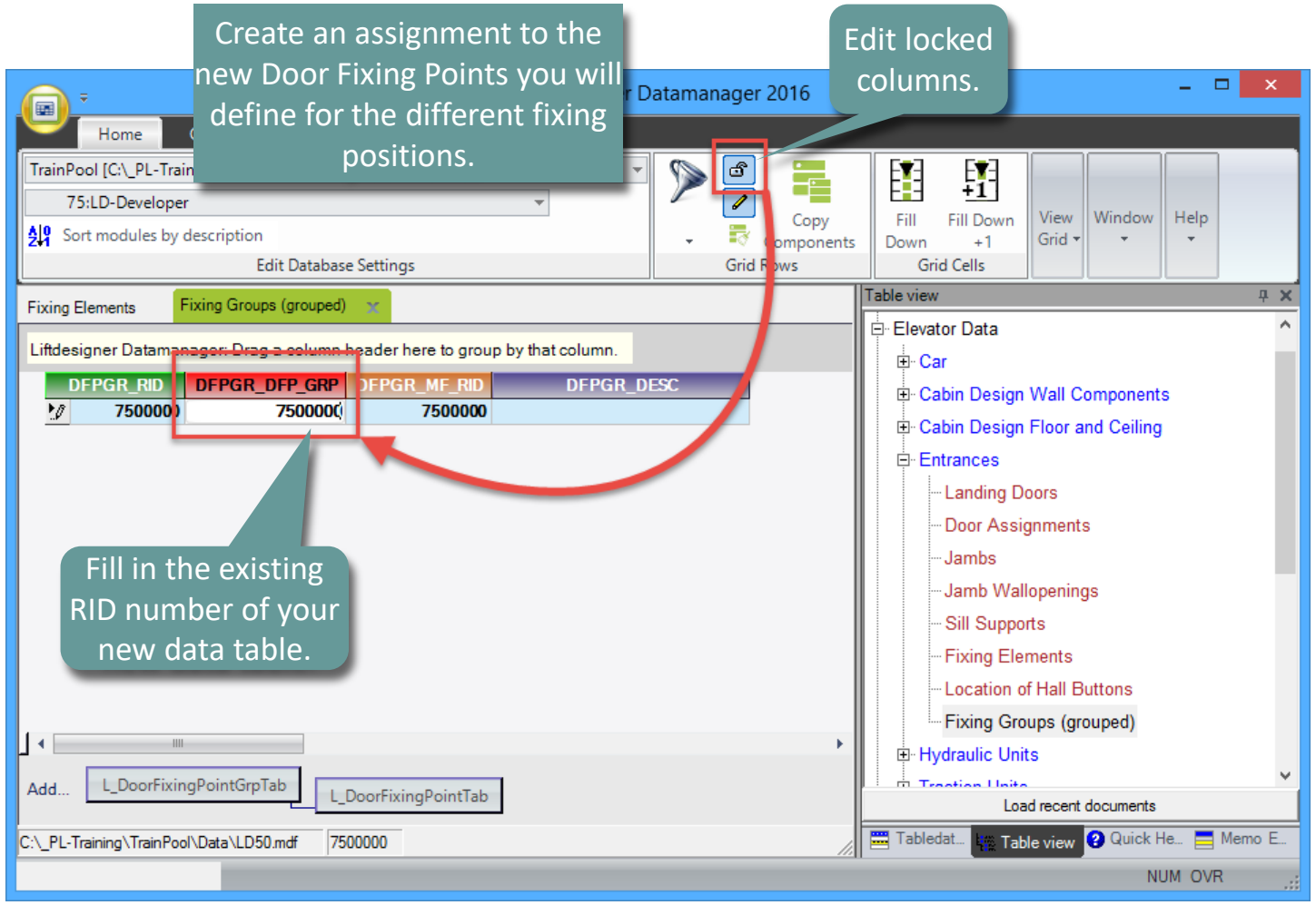
Add and define new Fixing Points

PL4.2 FIXING GROUPS

Landing Door

- Edit the Meta Data: Door Fixing Point RID
  - in DigiPara Liftdesigner Datamanager



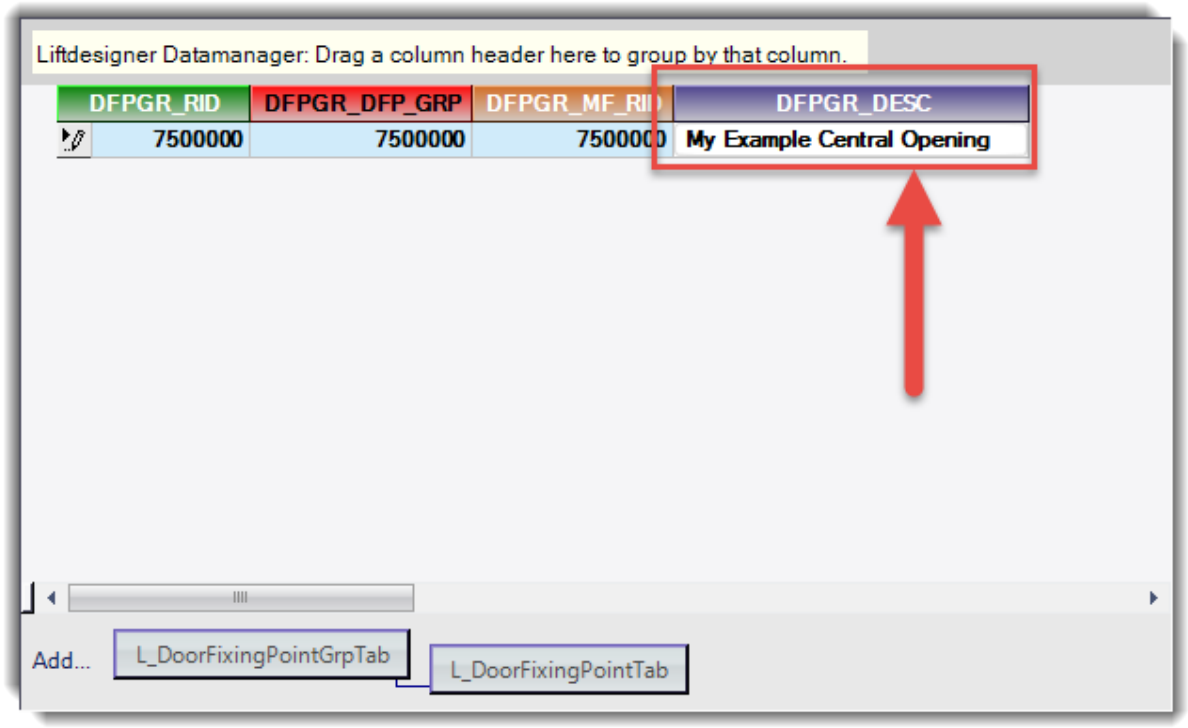


Add and define new Fixing Points

PL4.2 FIXING GROUPS

Landing Door

- Edit the Meta Data: Fixing Group Description
  - in DigiPara Liftdesigner Datamanager

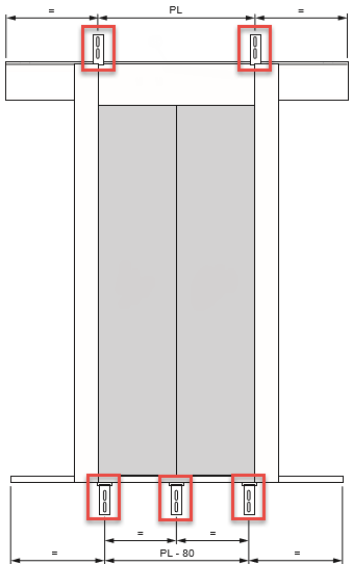


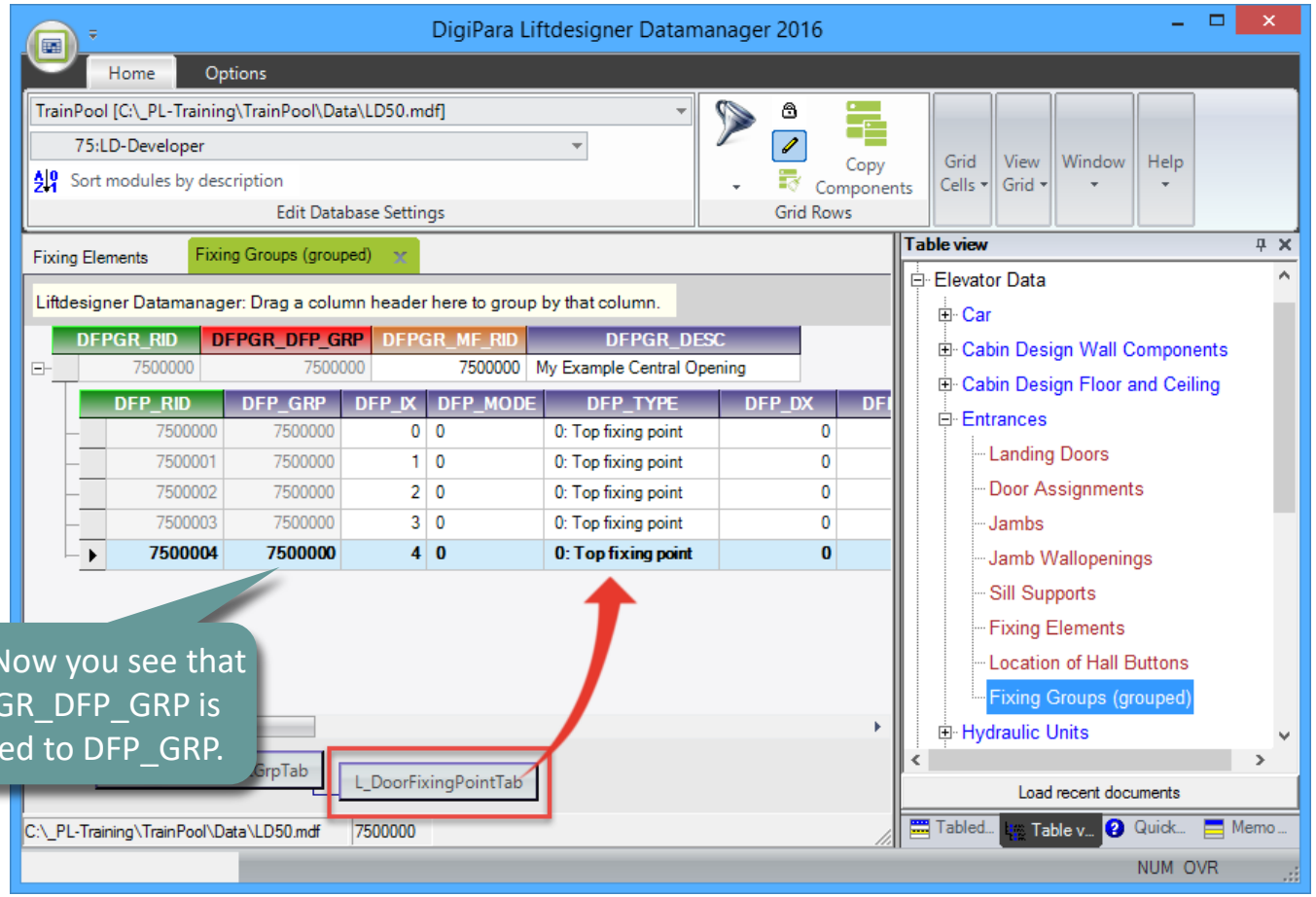
Add and define new Fixing Points

PL4.2 FIXING GROUPS

Landing Door

- Add new Fixing Point Rows: 2 for top and 3 for bottom
  - in DigiPara Liftdesigner Datamanager



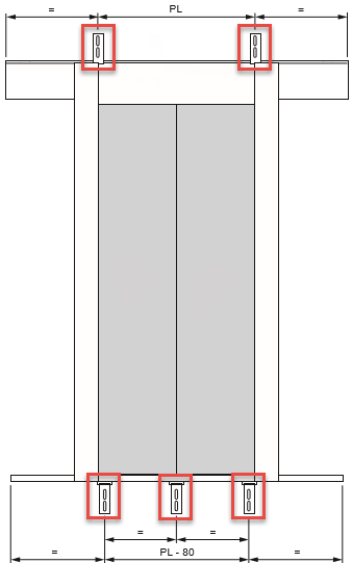


Add and define new Fixing Points

PL4.2 FIXING GROUPS

Landing Door

- Determine your top and bottom Points for your Fixing Elements
  - in DigiPara Liftdesigner Datamanager



Fixing Elements | Fixing Groups (grouped)

Liftdesigner Datamanager: Drag a column header here to group by that column.

DFPGR_RID	DFPGR_DFP_GRP	DFPGR_MF_RID	DFPGR_DESC
7500000	7500000	7500000	My Example Central Opening

DFP_RID	DFP_GRP	DFP_IX	DFP_MODE	DFP_TYPE	DFP_DX
7500000	7500000	0	0	0: Top fixing point	0
7500001	7500000	1	0	0: Top fixing point	0
7500002	7500000	2	0	1: Bottom fixing point	0
7500003	7500000	3	0	1: Bottom fixing point	0
7500004	**7500000**	**4**	**0**	: Bottom fixing point	**0**

0: Top fixing point
1: Bottom fixing point
2: Left fixing point
3: Right fixing point

Add... L_DoorFixingPointGrpTab L_DoorFixingPointTab

C:_PL-Training\TrainPool\Data\LD50.mdf 7500000

Determine the door fixing point types.

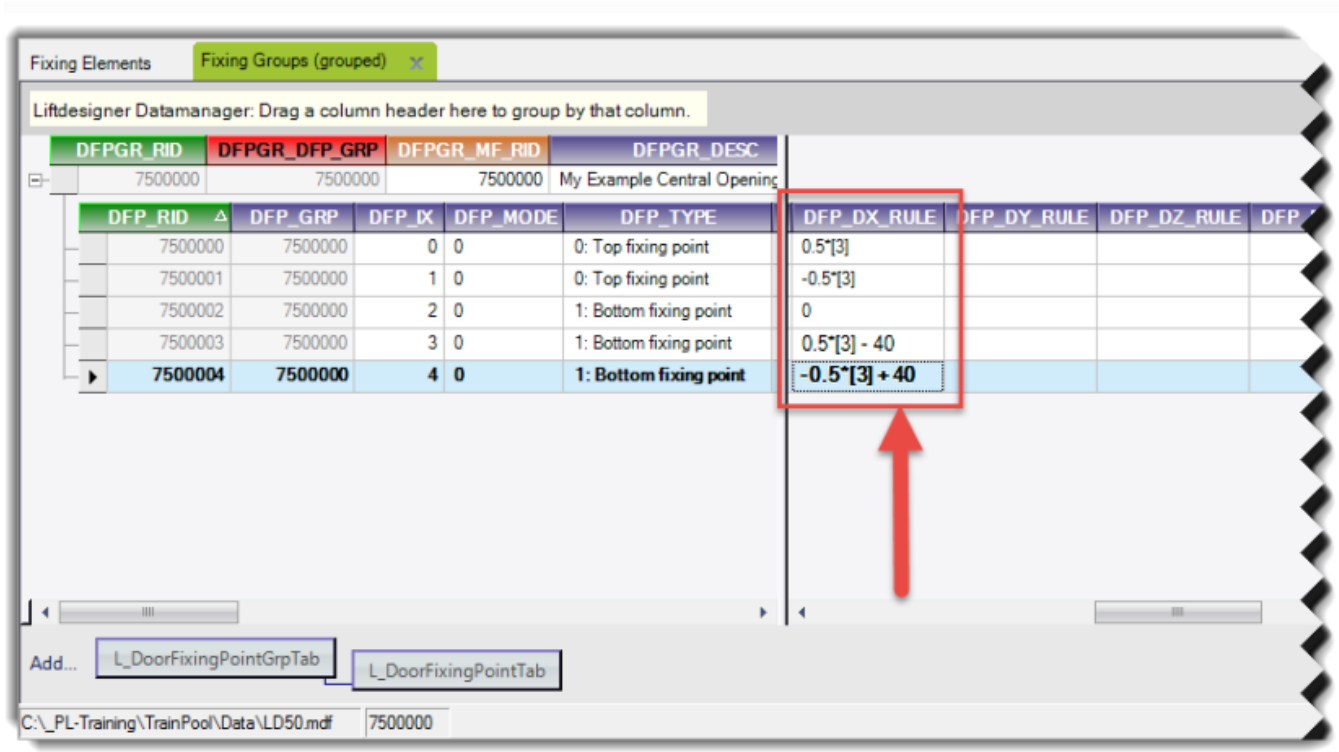
Create Position Rules

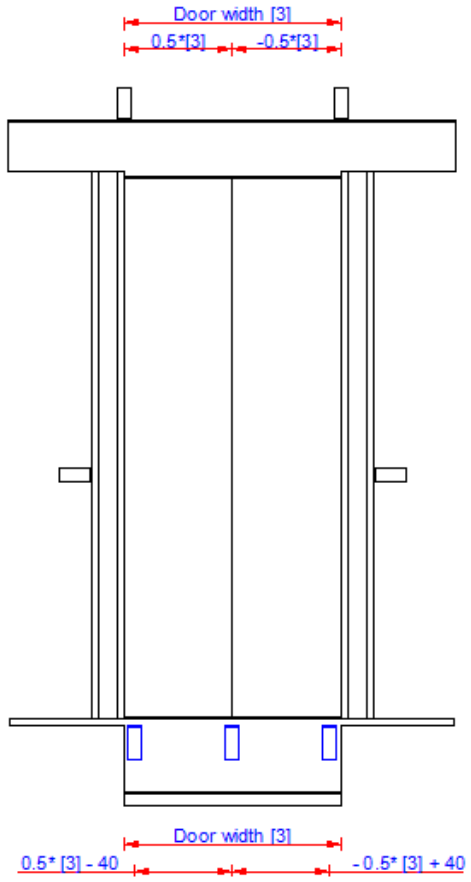
Create Position Rules

PL4.2 FIXING GROUPS

Create Position Rules for your top and bottom Door Fixings Points

- Define a Rule for the Point Position of the Fixing Elements in X-Direction
  - in DigiPara Liftdesigner Datamanager



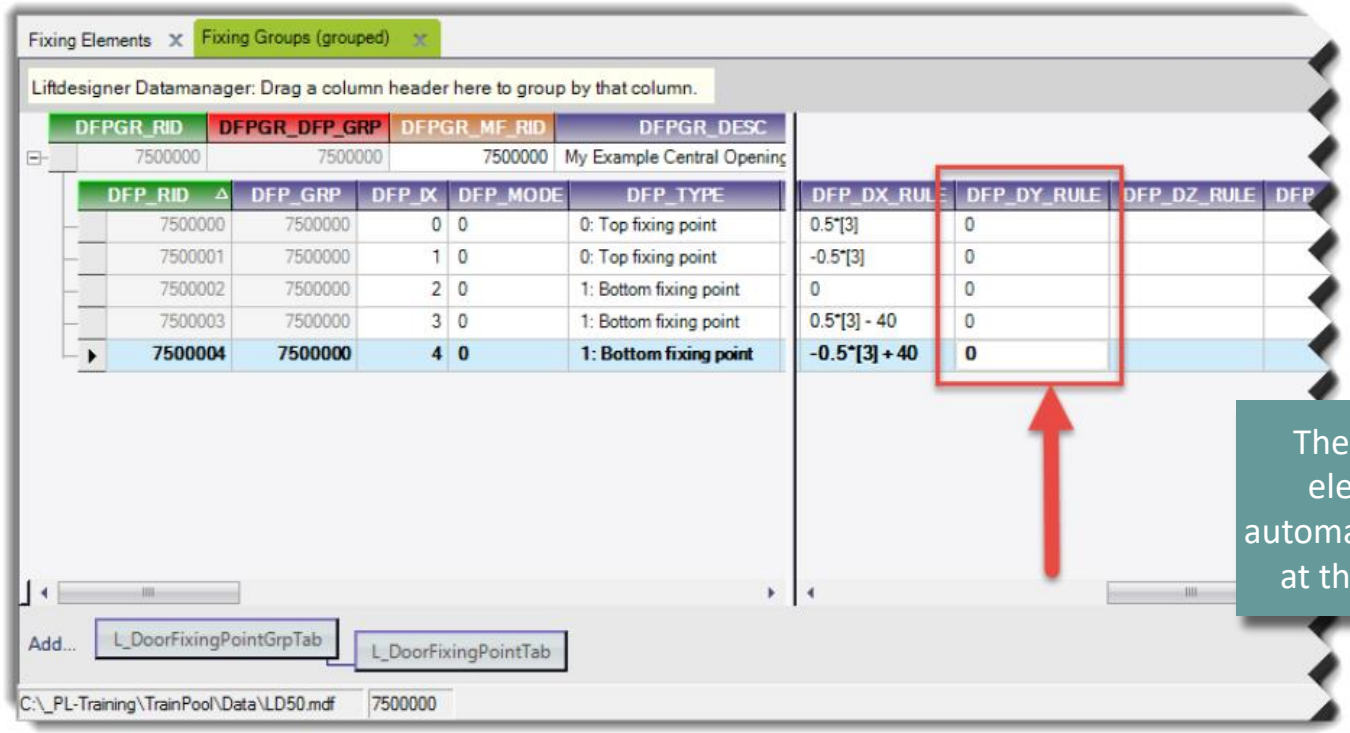


Create Position Rules

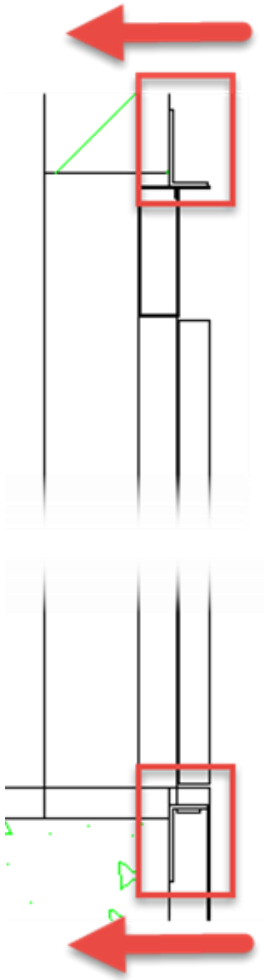
PL4.2 FIXING GROUPS

Create Position Rules for your top and bottom Door Fixings Points

- Define a Rule for the Point Position of the Fixing Elements in Y-Direction
  - in DigiPara Liftdesigner Datamanager



The door fixing elements are automatically located at the shaft wall.

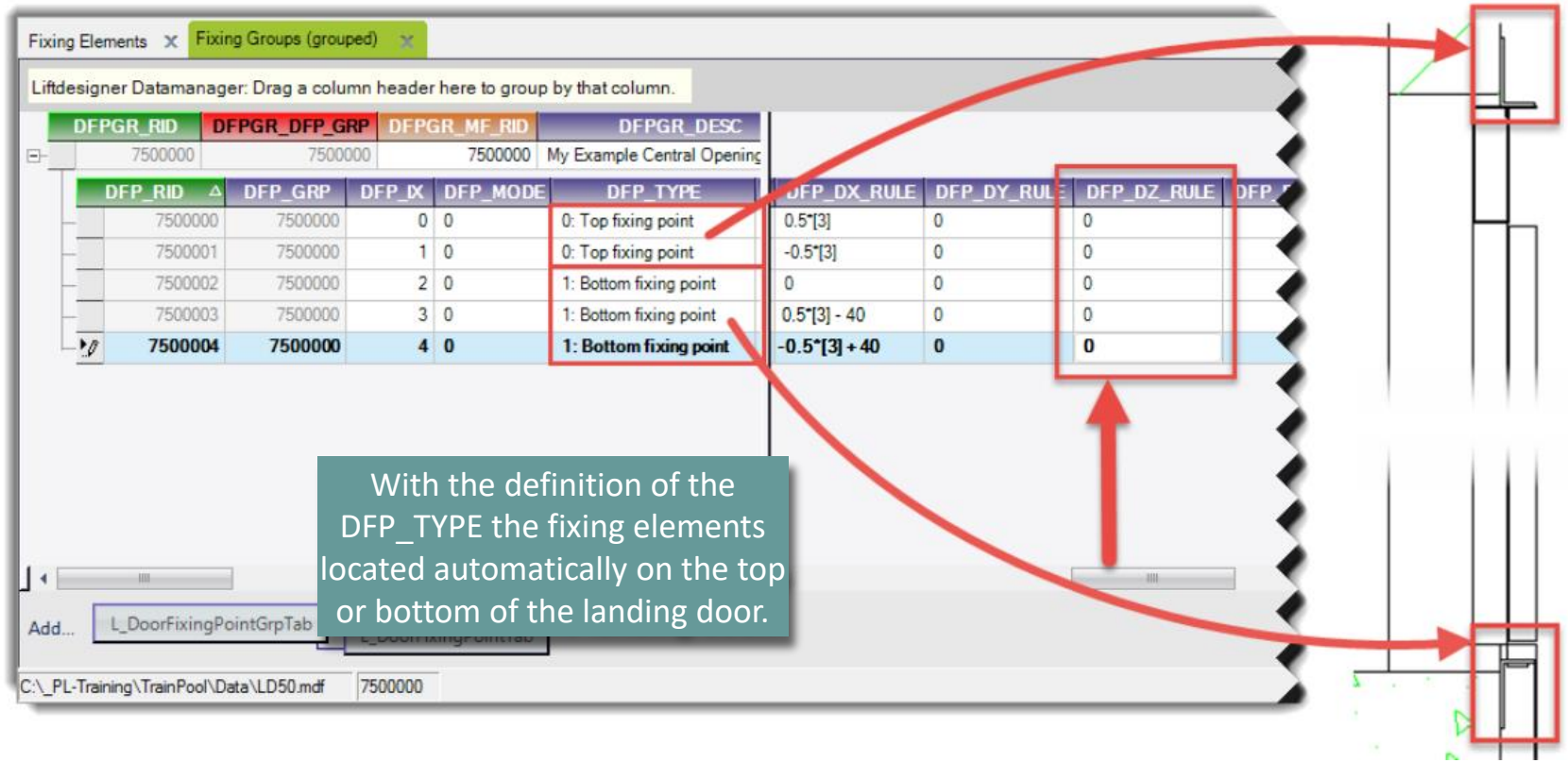


Create Position Rules

PL4.2 FIXING GROUPS

Create Position Rules for your top and bottom Door Fixings Points

- Define a Rule for the Point Position of the Fixing Elements in Z-Direction
  - in DigiPara Liftdesigner Datamanager

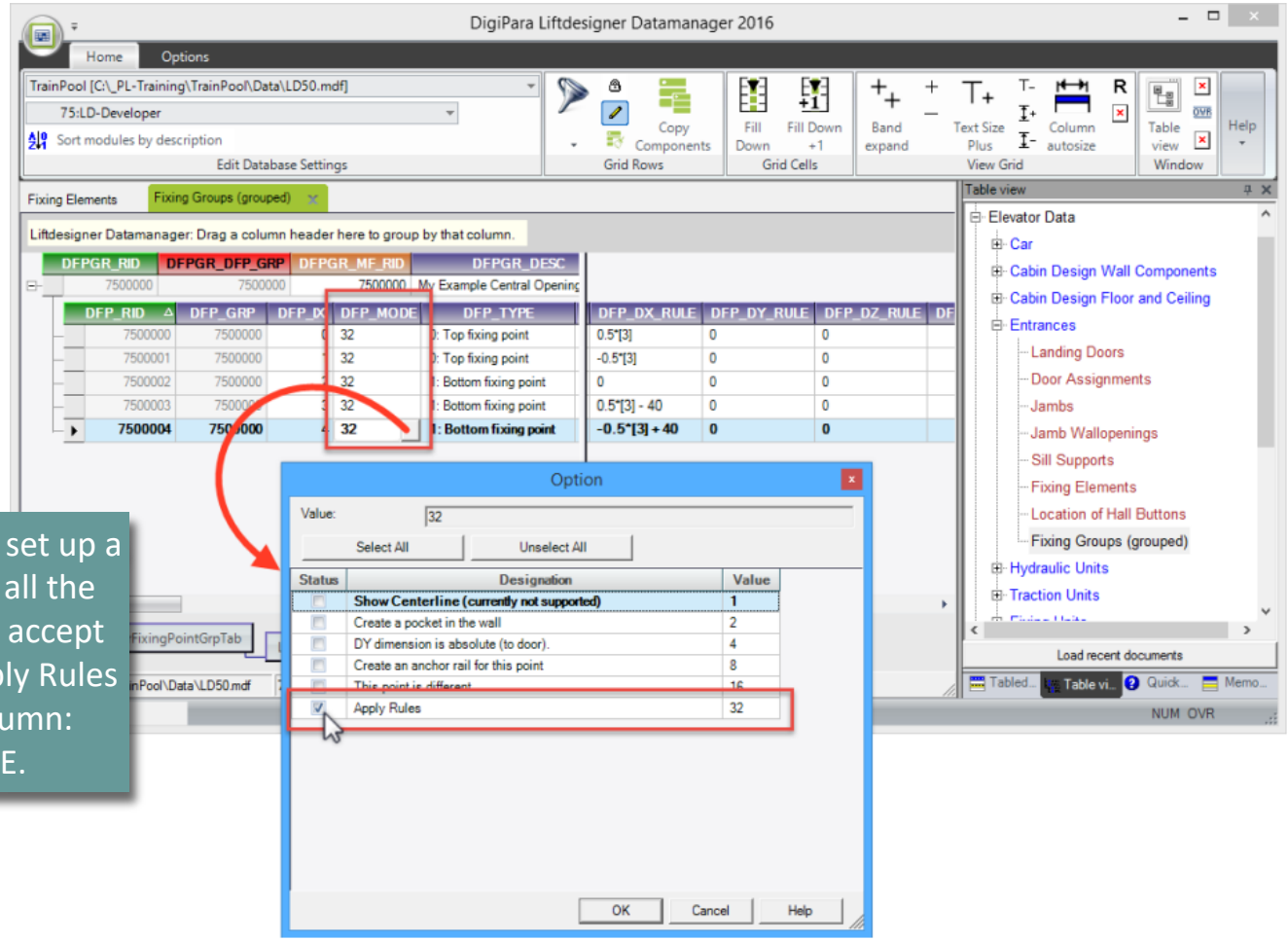


Create Position Rules

PL4.2 FIXING GROUPS

Create Position Rules for your top and bottom Door Fixings Points

- Set a Mode to accept your defined Rules: Apply Rules
  - in DigiPara Liftdesigner Datamanager



It is necessary to set up a check mark for all the existing rows to accept the function Apply Rules under the column: DFP_MODE.

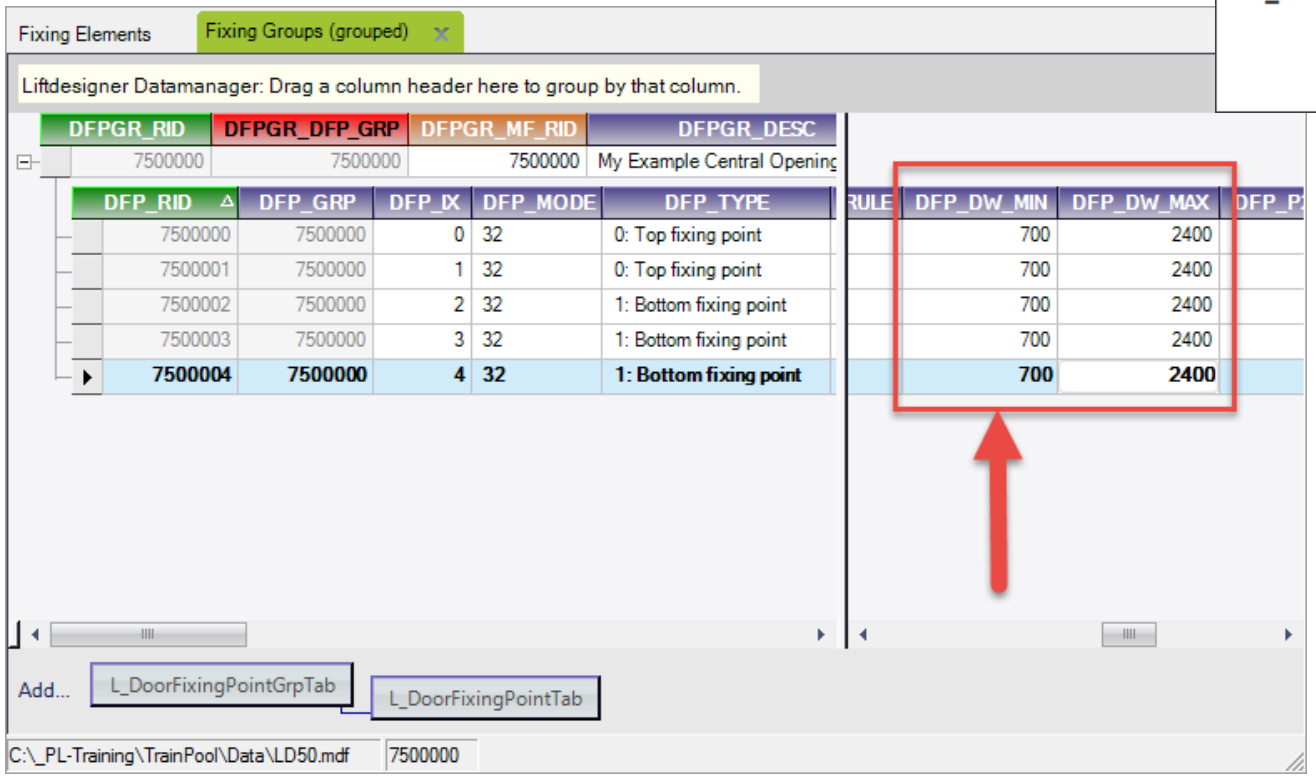
Create Position Rules

PL4.2 FIXING GROUPS

Determine the Door Width Range

- in DigiPara Liftdesigner Datamanager

DFP_DW_MIN	Minimum door width/height for this fixing point (left/right or top/bottom fixing point)
DFP_DW_MAX	Maximum door width/height for this fixing point (left/right or top/bottom fixing point).



✓ Copy existing Door Fixing Points

Copy existing Door Fixing Points

PL4.2 FIXING GROUPS

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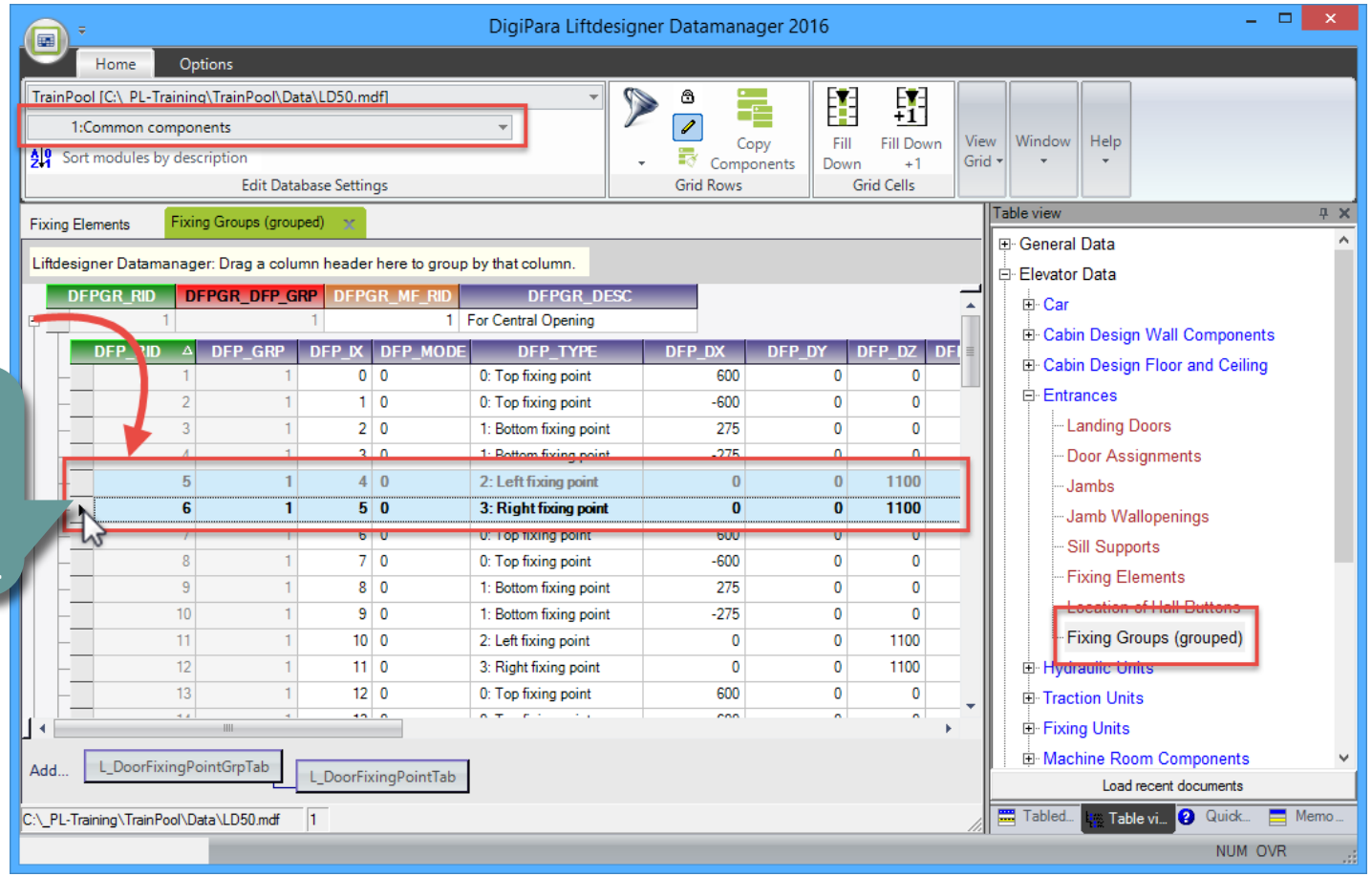
Use the Manufacturer Common Components: Left and Right fixing point

- in DigiPara Liftdesigner Datamanager



Mark the 2 columns by pressing the Ctrl. key on your keyboard.

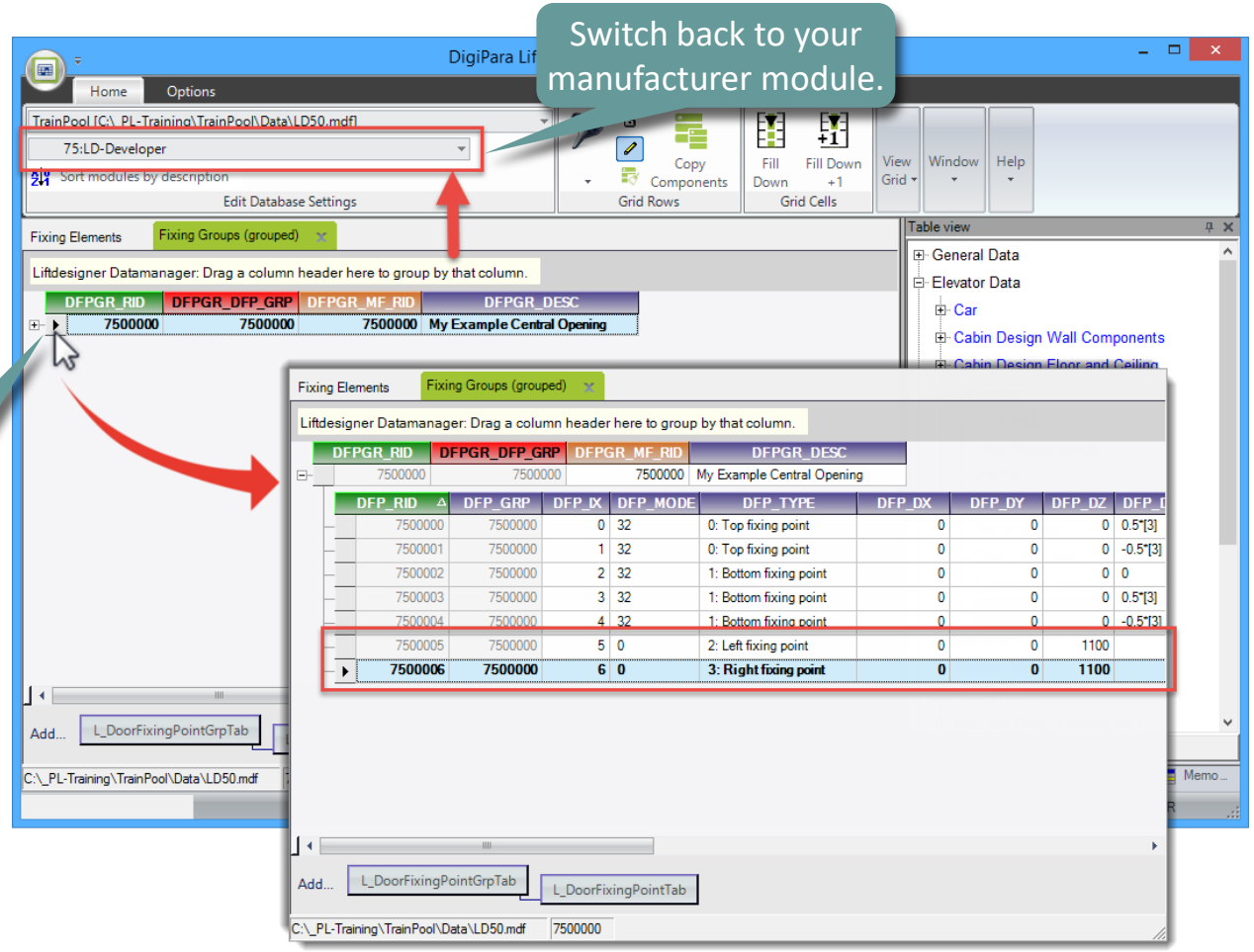
Copy existing Door Fixing Points

PL4.2 FIXING GROUPS

digipara® liftdesigner

Paste the Data Rows in your own new Fixing Group

- in DigiPara Liftdesigner Datamanager

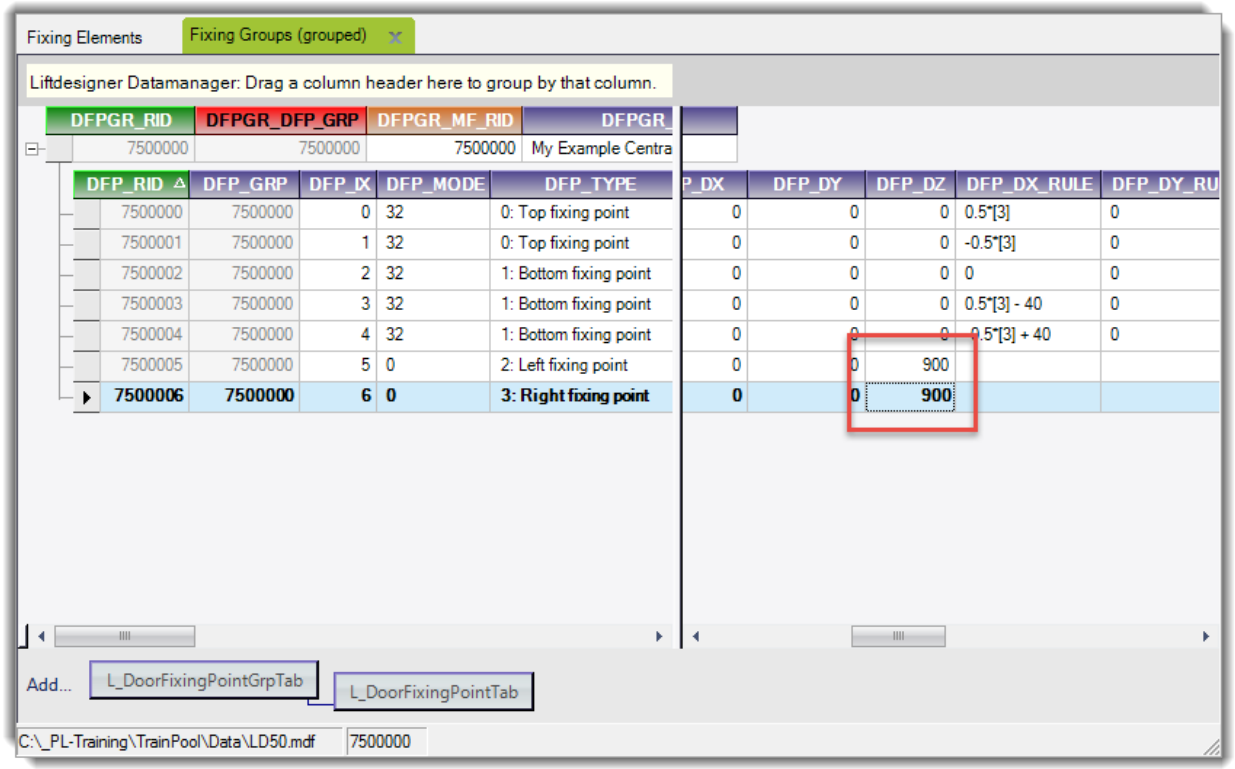


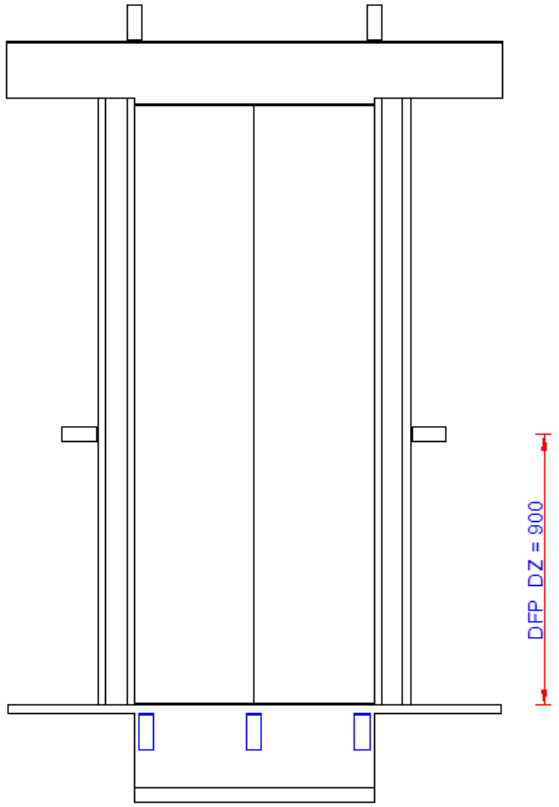
Copy existing Door Fixing Points

PL4.2 FIXING GROUPS

Define the Position of your left and right Fixing Point in Z-Direction

- in DigiPara Liftdesigner Datamanager





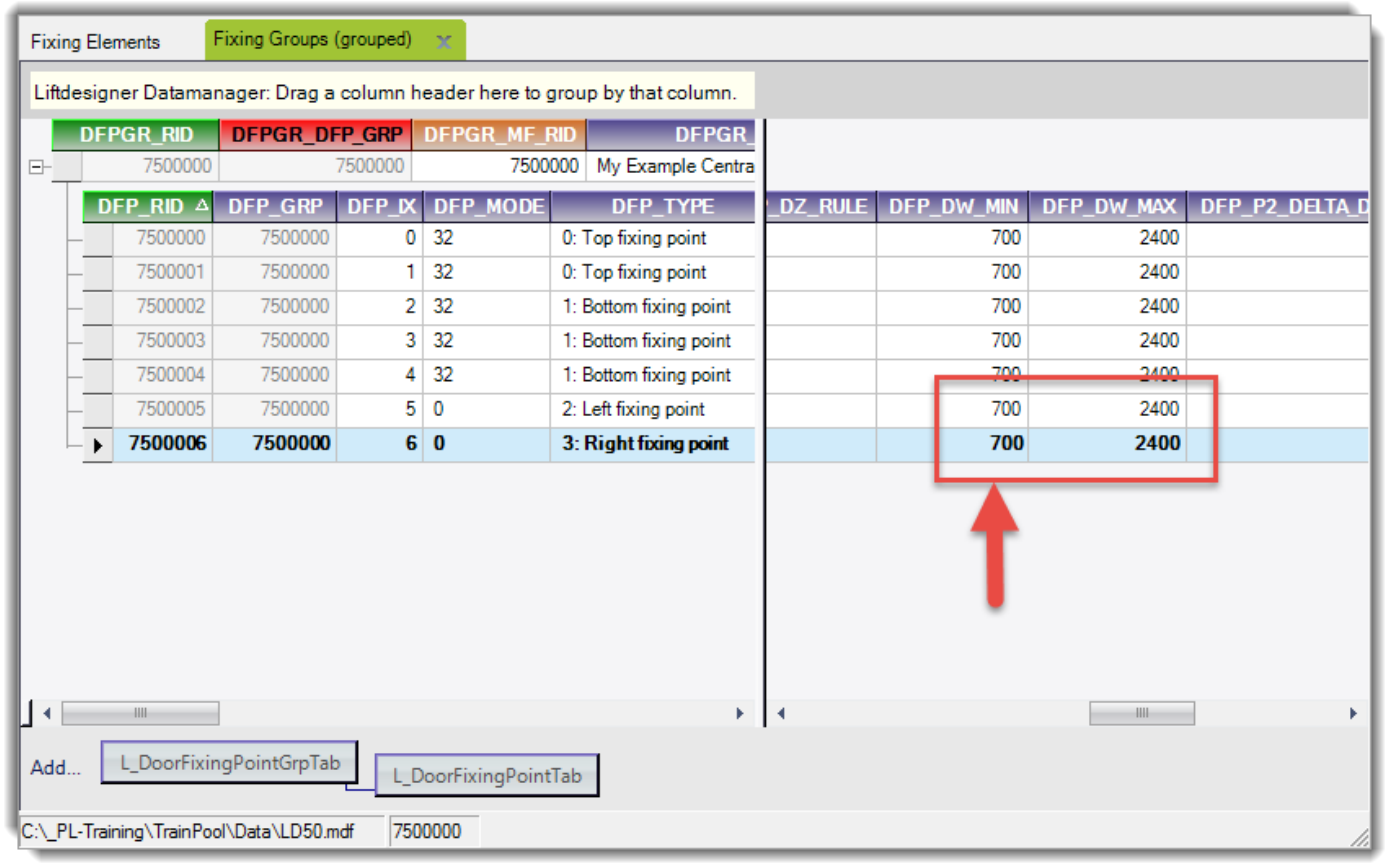
Copy existing Door Fixing Points

PL4.2 FIXING GROUPS

digipara® liftdesigner

Determine the Door Width Range

- in DigiPara Liftdesigner Datamanager



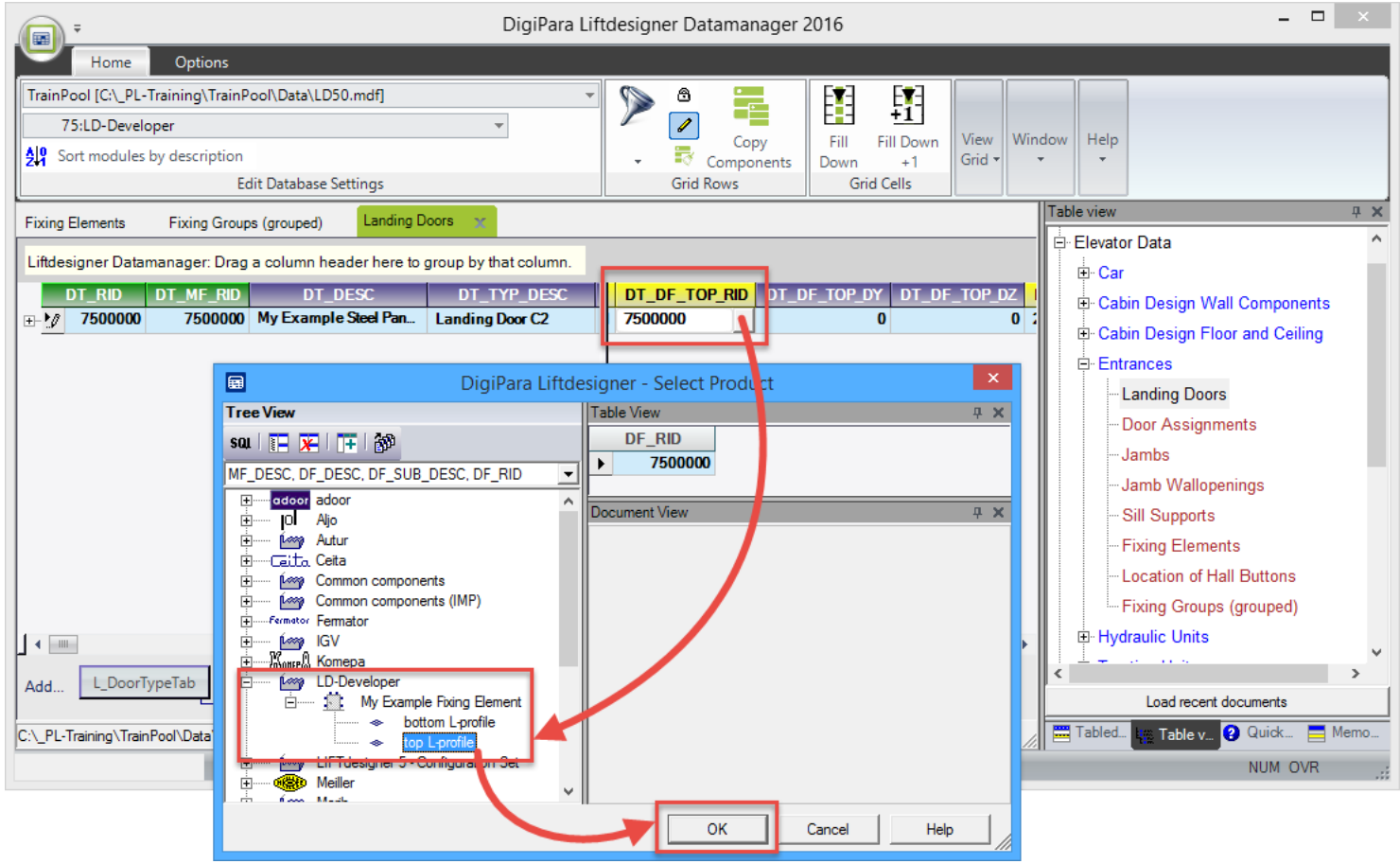
Assignment to Landing Door

Assignment to Landing Door

PL4.2 FIXING GROUPS

Determine related BIM components for your Landing Door

- Choose your created Fixing Element for the top of your Landing Door.
  - in DigiPara Liftdesigner Datamanager

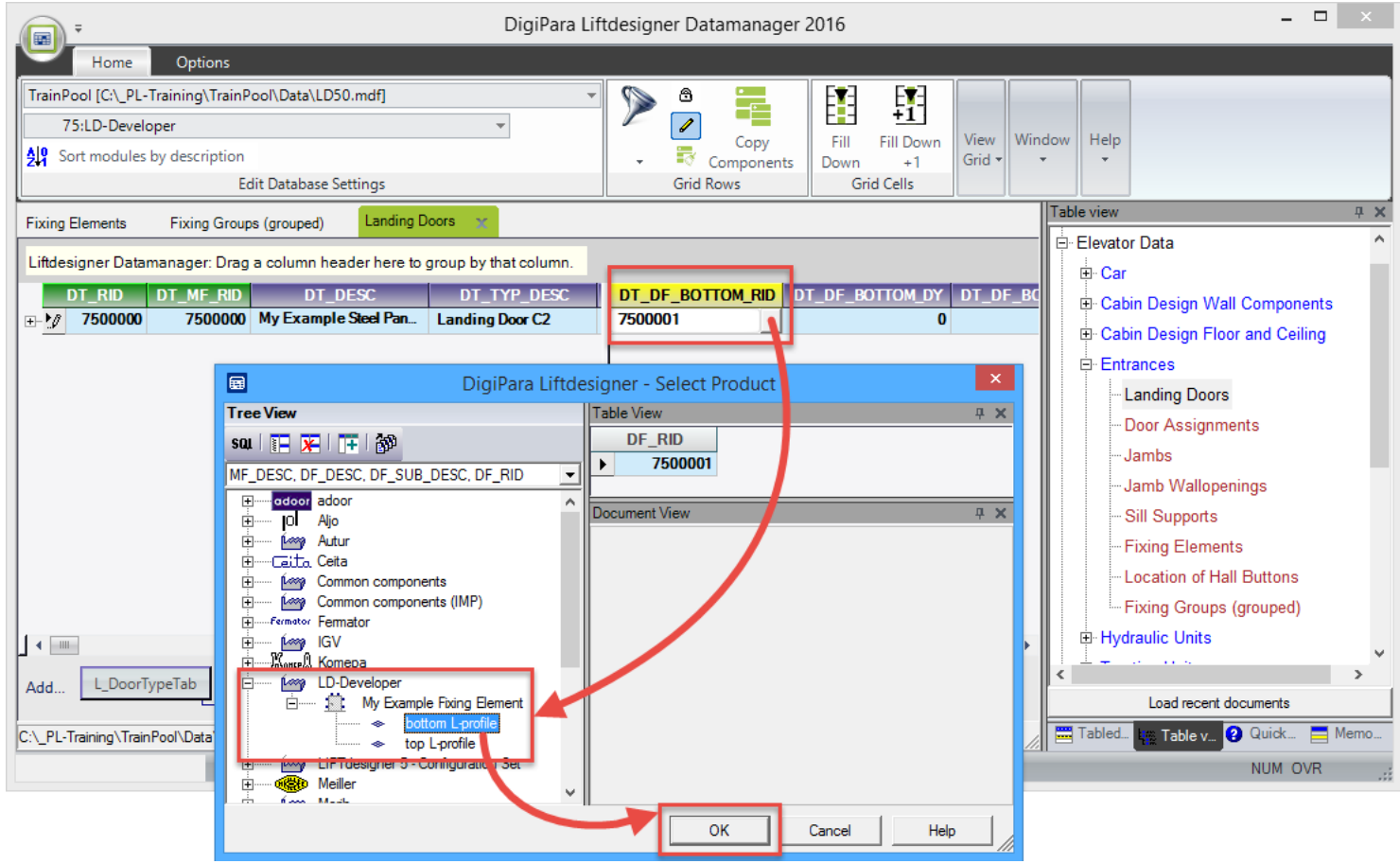


Assignment to Landing Door

PL4.2 FIXING GROUPS

Determine related BIM components for your Landing Door

- Choose your created Fixing Element for the bottom of your Landing Door.
  - in DigiPara Liftdesigner Datamanager

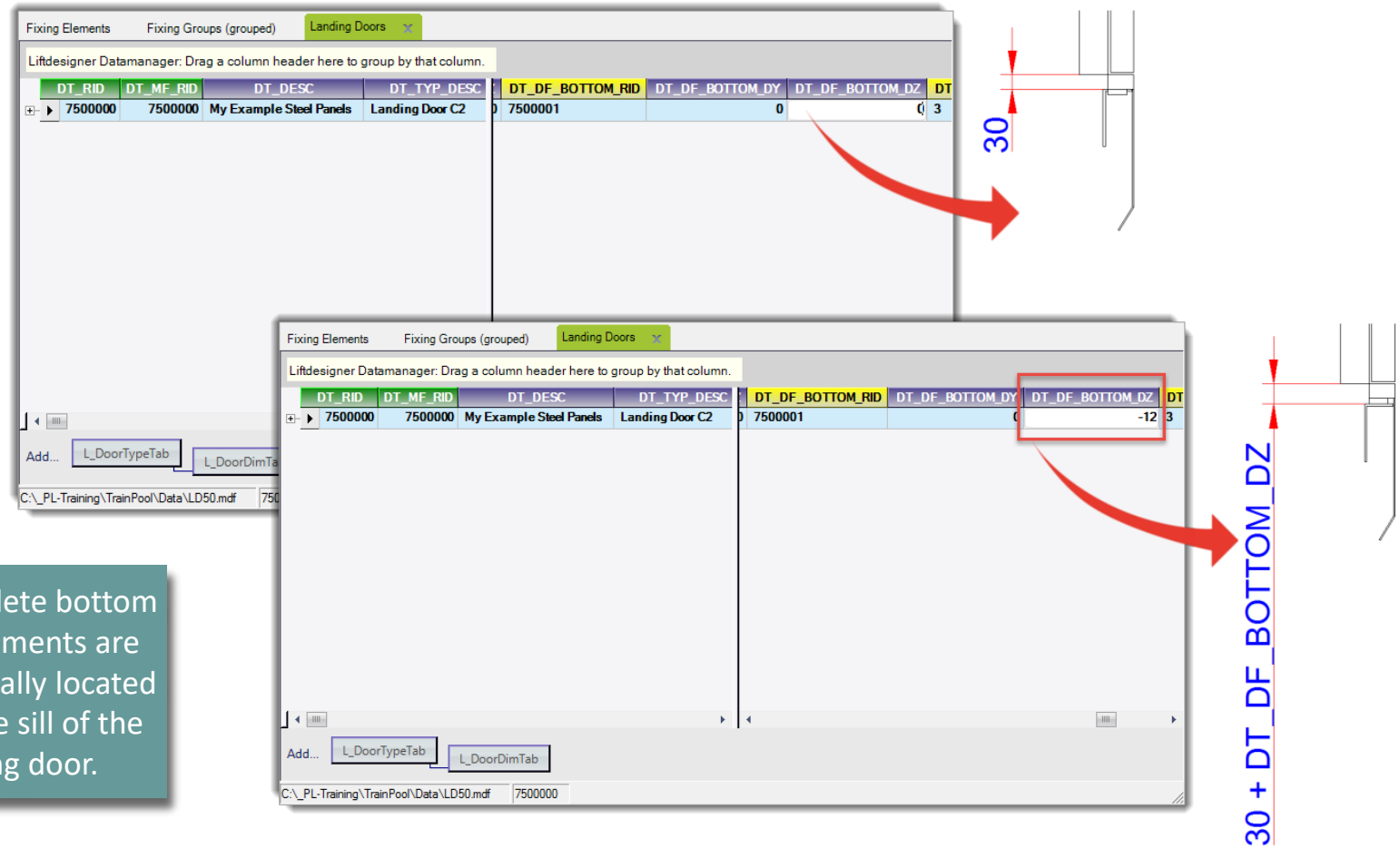


Assignment to Landing Door

PL4.2 FIXING GROUPS

Define the Position in Z-Direction for the complete bottom Fixing Elements

- in DigiPara Liftdesigner Datamanager



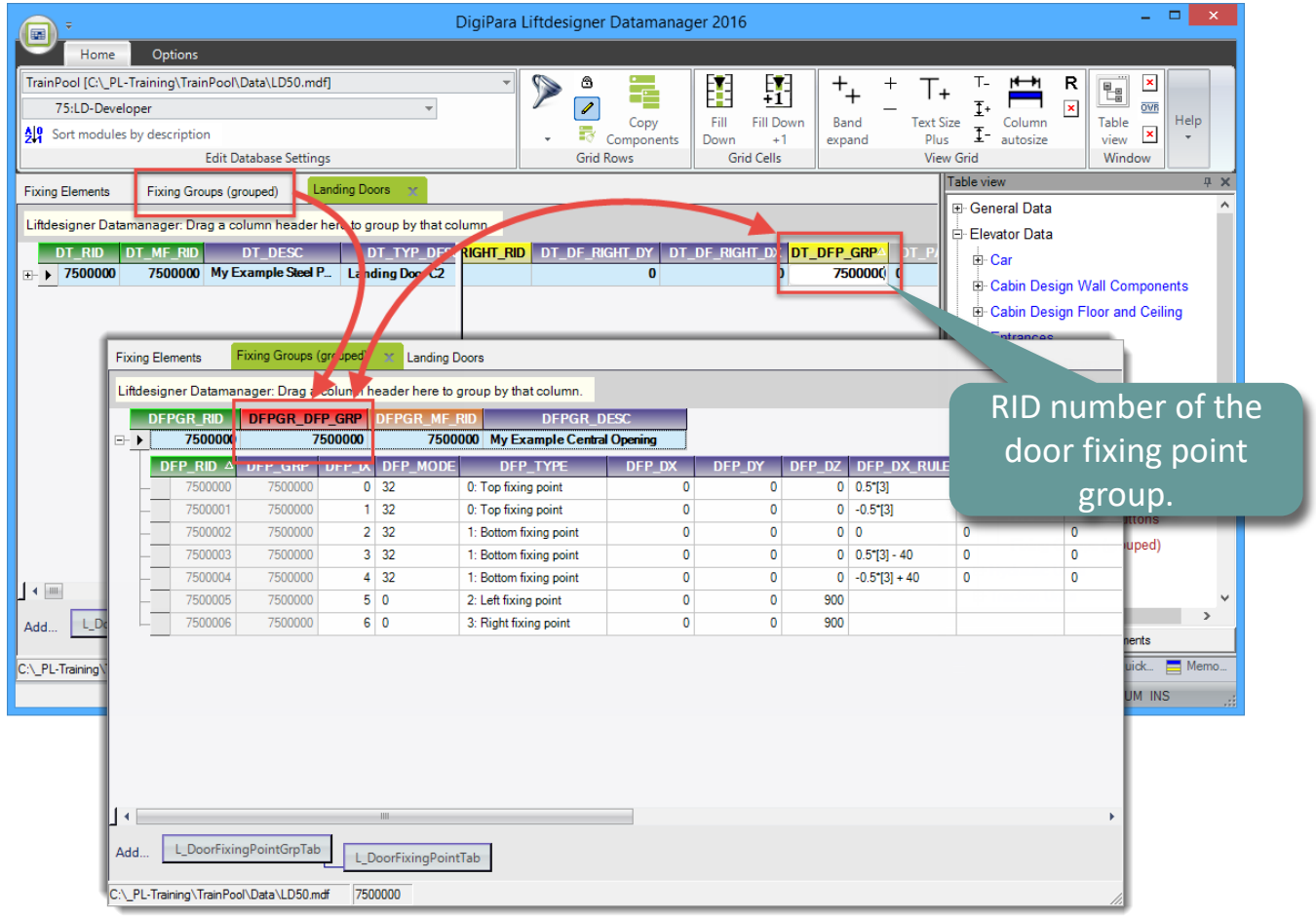
The complete bottom fixing elements are automatically located under the sill of the landing door.

Assignment to Landing Door

PL4.2 FIXING GROUPS

Determine related BIM components for your Landing Door

- Assignment of your created Fixing Group
  - in DigiPara Liftdesigner Datamanager



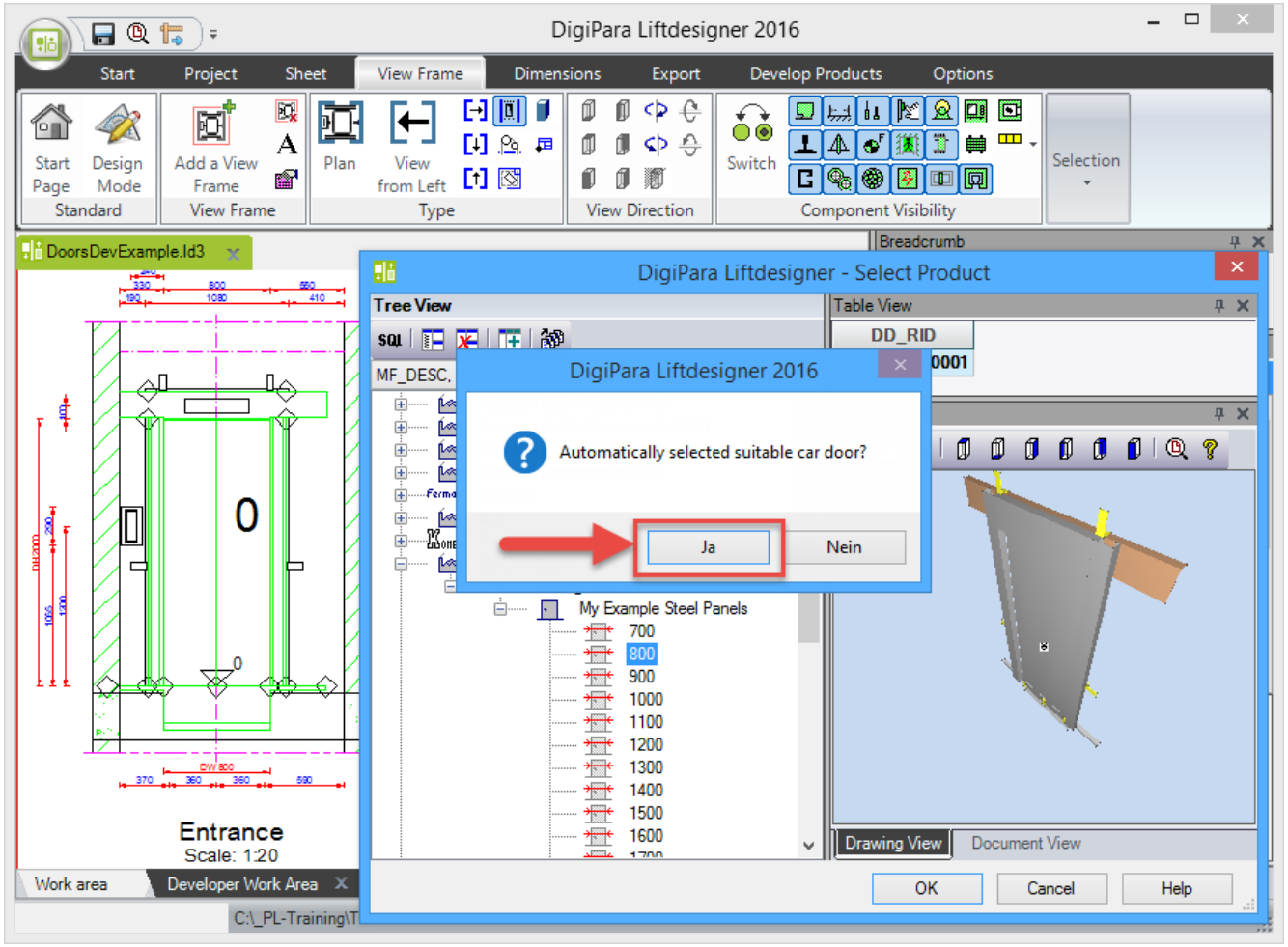
Load your edited BIM Component

Load your edited BIM Component

PL4.2 FIXING GROUPS

Load your edited Landing Door with your new Door Fixings

- in DigiPara Liftdesigner



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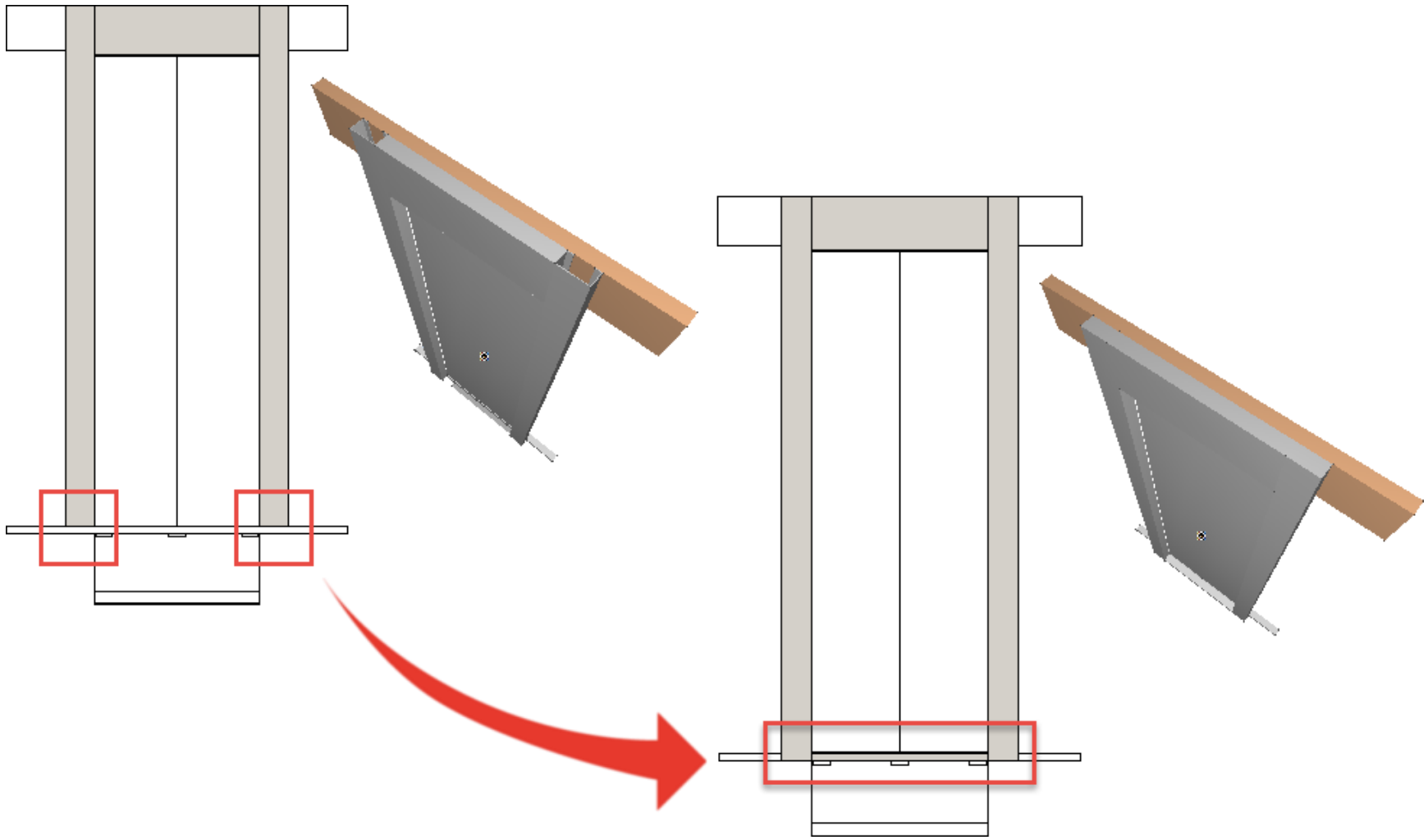
PL4.2

Door Jambs

PL4.2 Jambs



Copy a similar BIM Component

Copy a similar BIM Component

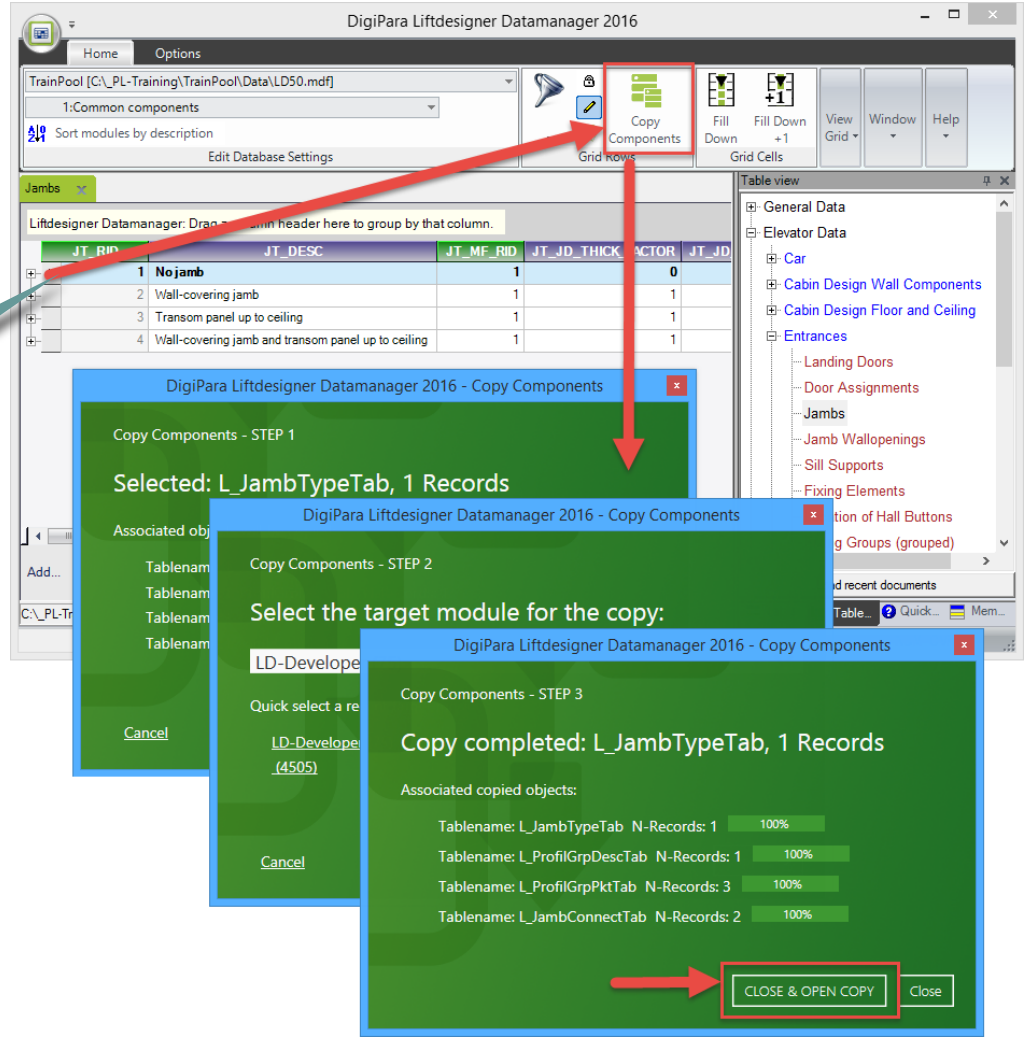
PL4.2 JAMBS

Copy a similar BIM Component

- in DigiPara Liftdesigner Datamanager

- The new component is copied with all parameters and values into your manufacturer module.

Use the data row with the JT_RID: 1 – No jamb



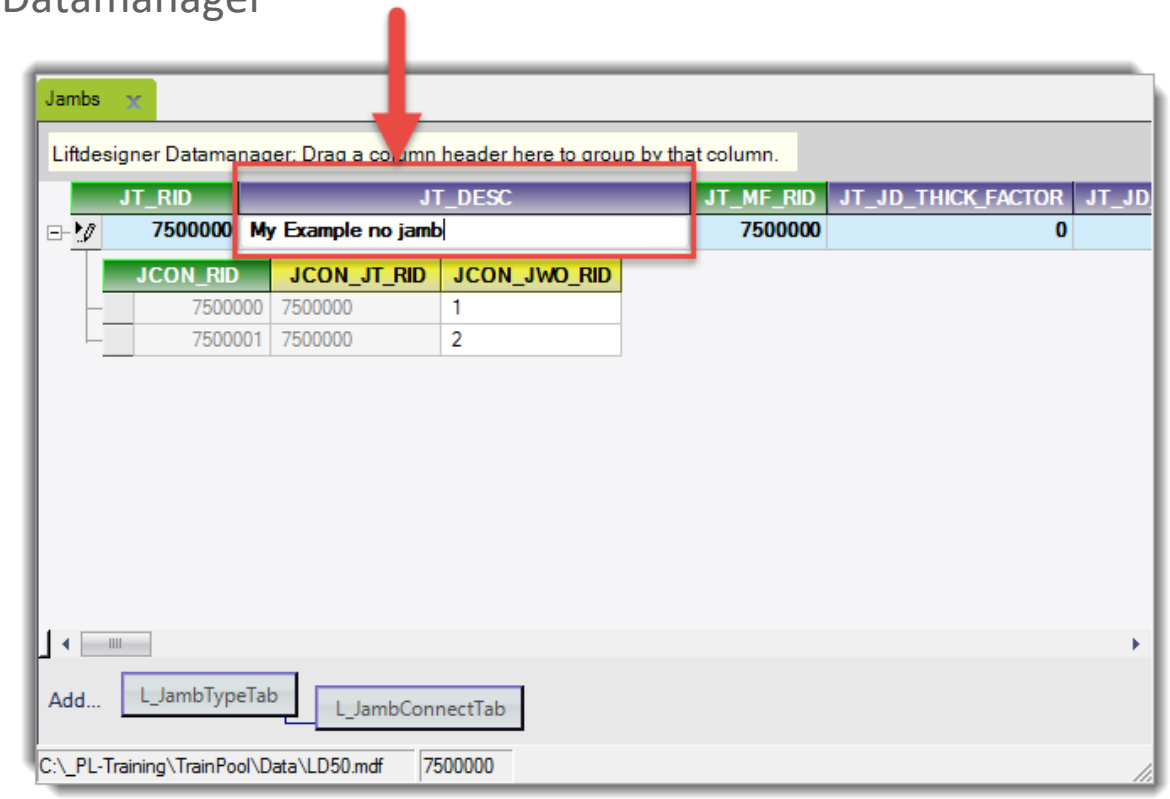
Edit the Meta Data

Edit the Meta Data

PL4.2 JAMBS

Edit the Meta Data – Description

- in DigiPara Liftdesigner Datamanager

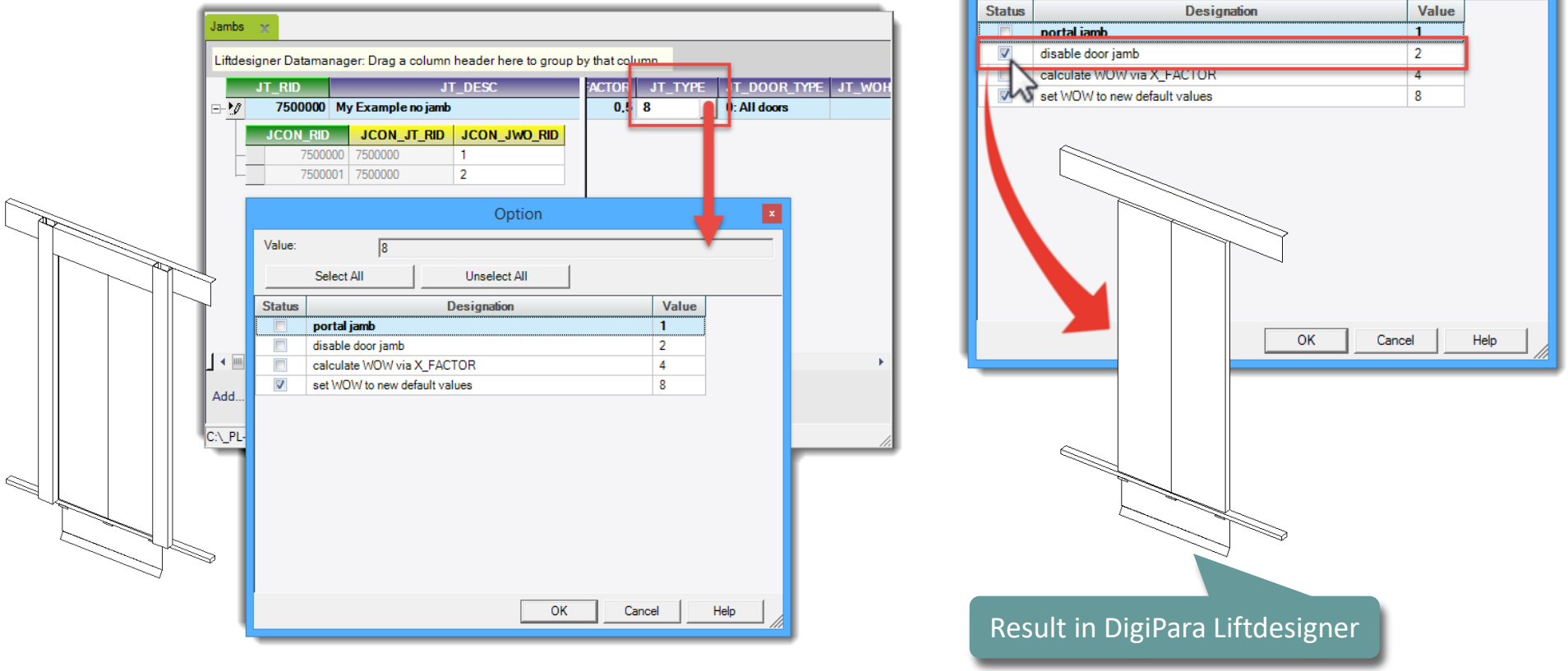


Edit the Meta Data

PL4.2 JAMBS

Edit the Meta Data – Type

- Deactivate the existing Standard Landing Door Jamb



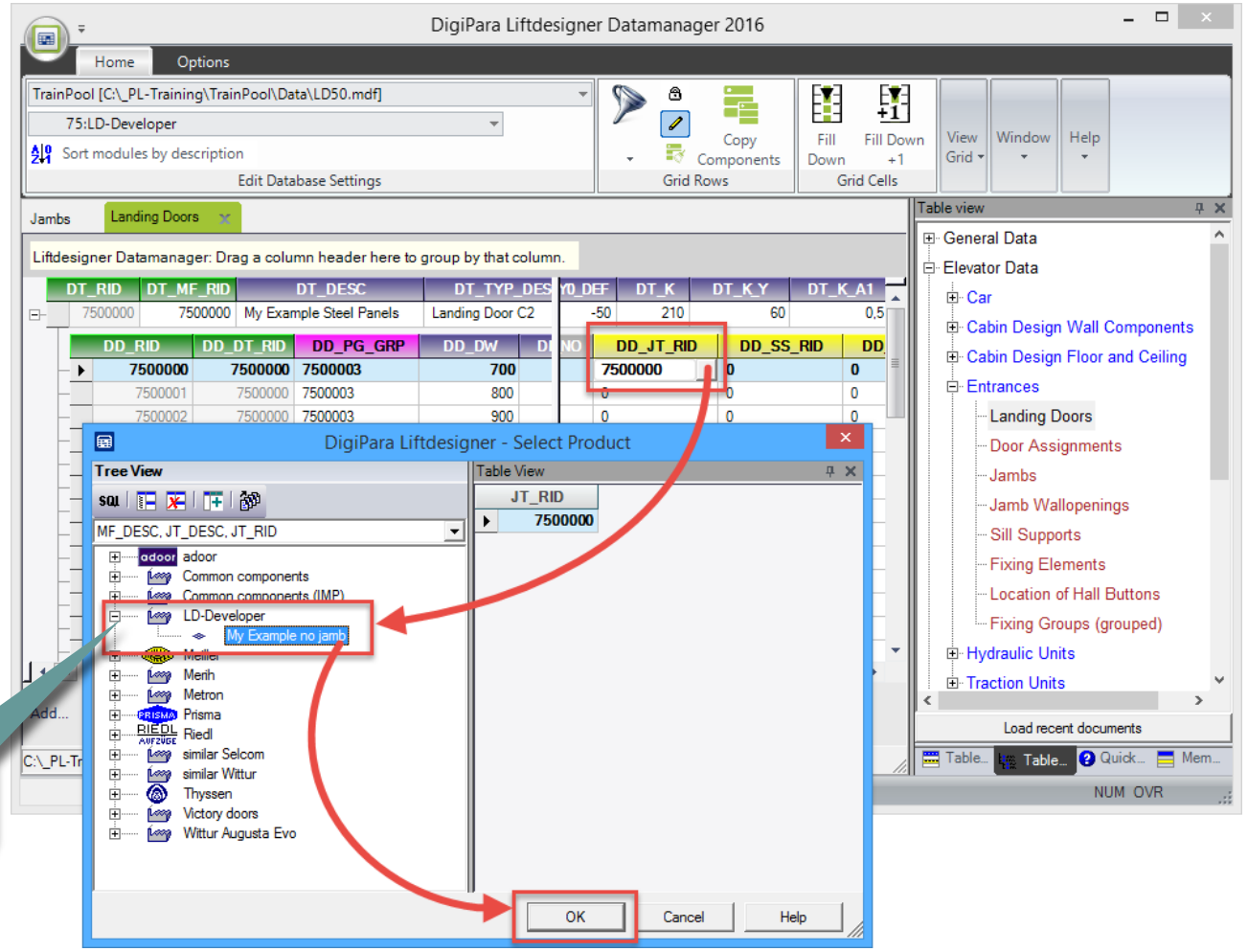
Assignment to Landing Door

Assignment to Landing Door

PL4.2 JAMBS

Determine related BIM components for your Landing Door

- in DigiPara Liftdesigner Datamanager

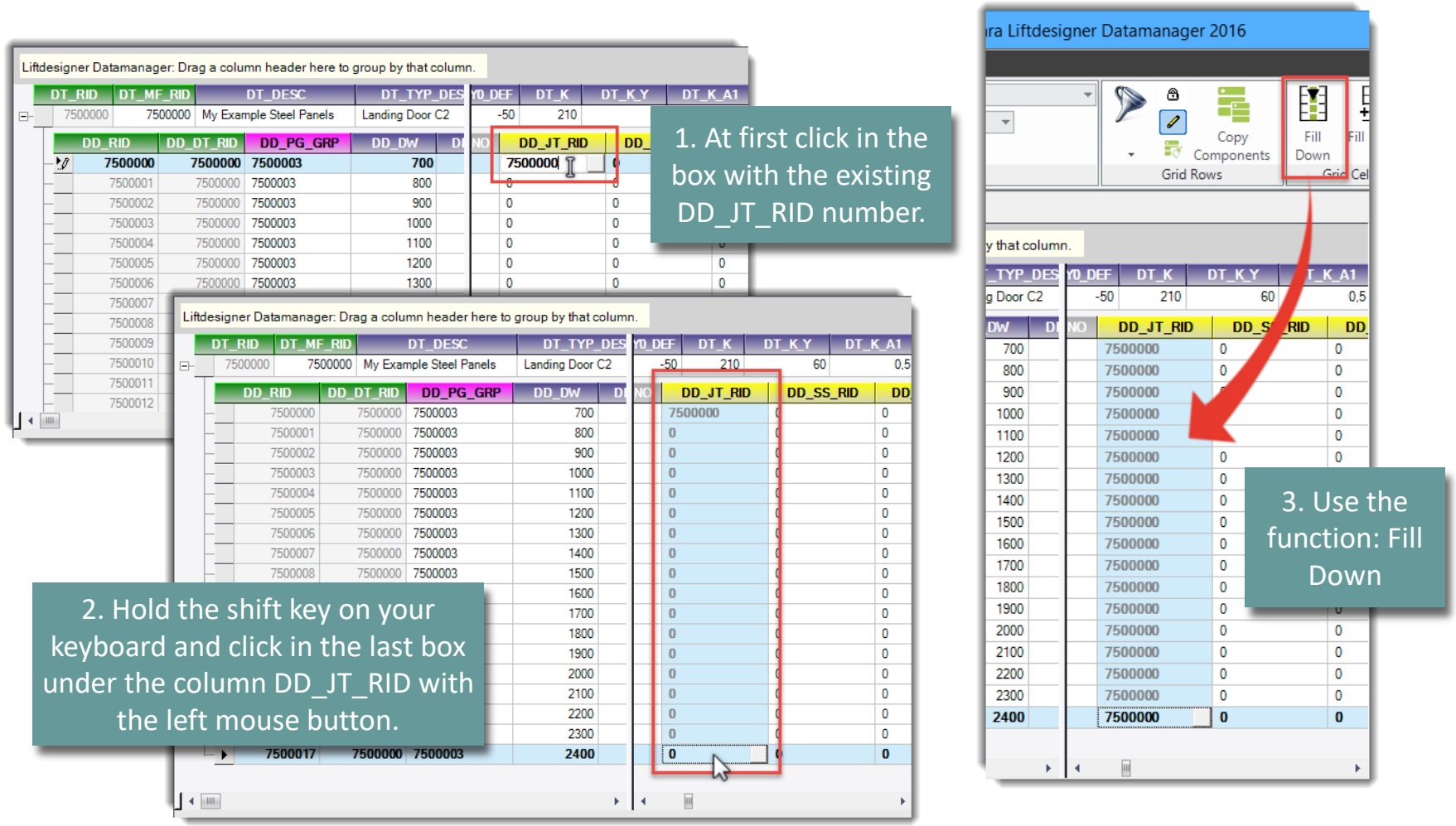


Assignment to Landing Door

PL4.2 JAMBS

Determine related BIM components for your Landing Door

- Fill down for all Door Widths
  - in DigiPara Liftdesigner Datamanager



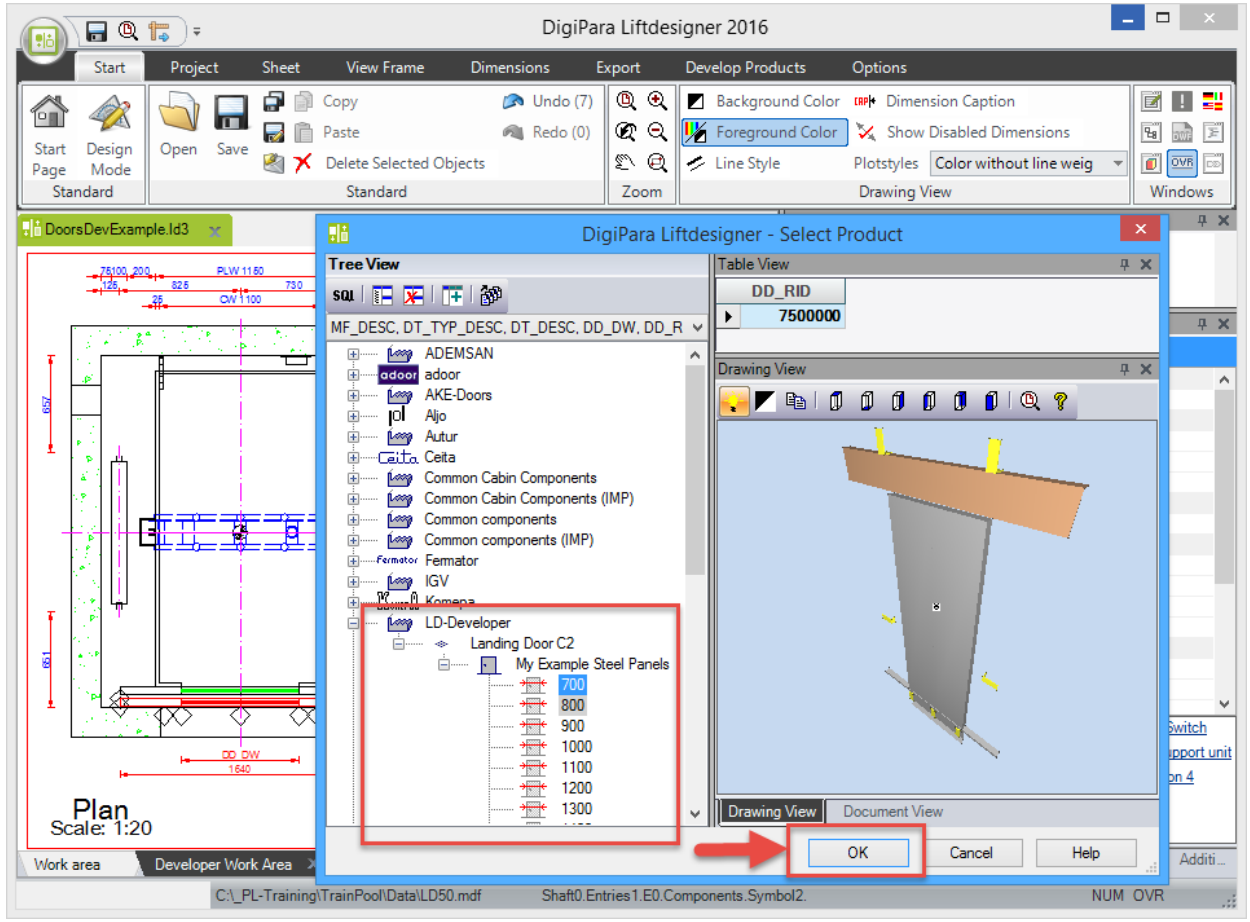
Load your edited BIM Component

Load your edited BIM Component

PL4.2 JAMBS

Load your edited Landing Door with your new Jamb

- Now your landing door is displayed without the typical standard Jamb.
  - in DigiPara Liftdesigner

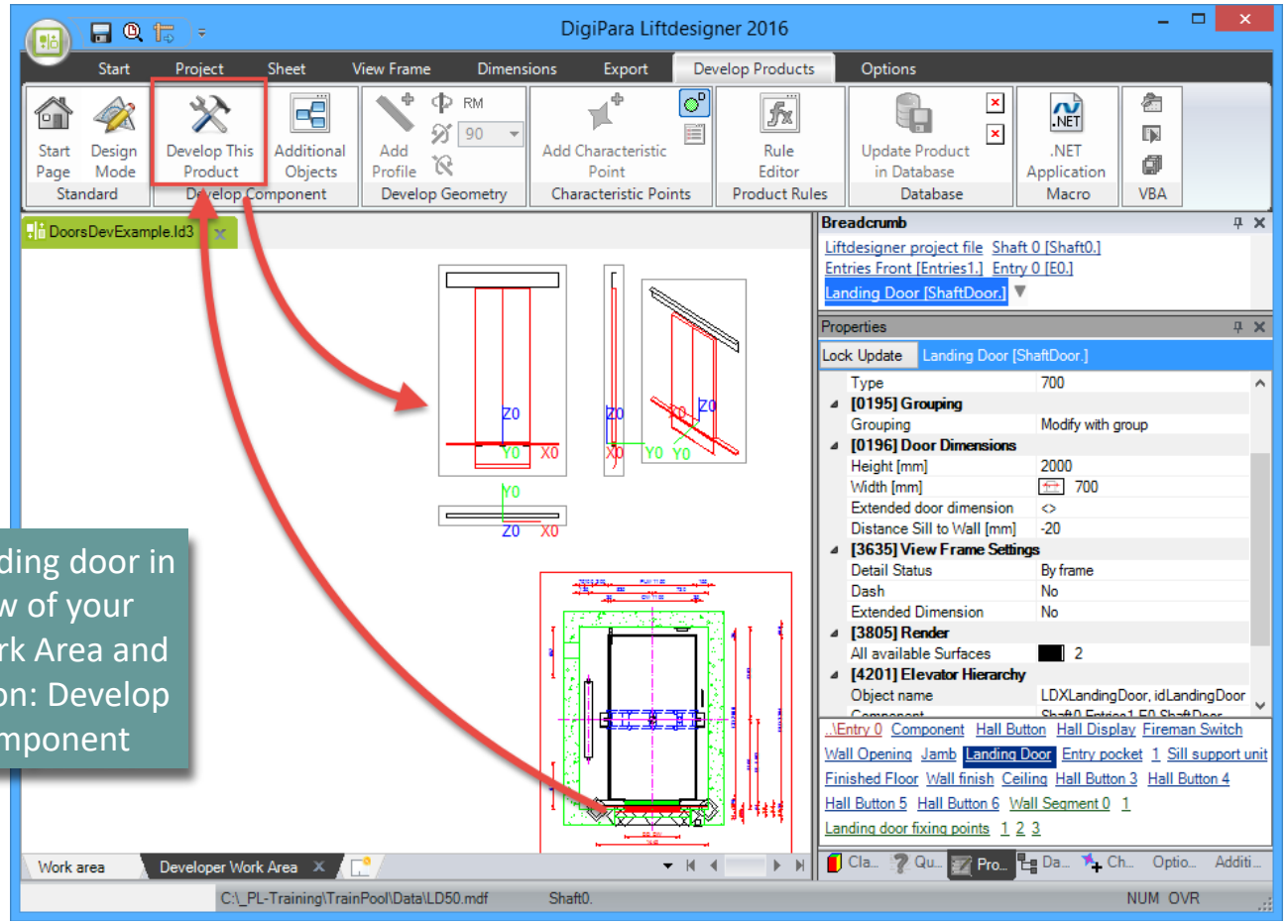


Load your edited BIM Component

PL4.2 JAMBS

For the creation of own user defined door jambs you need to develop the landing door component.

- in DigiPara Liftdesigner



Select your landing door in the plan view of your Developer Work Area and press the button: Develop this BIM Component

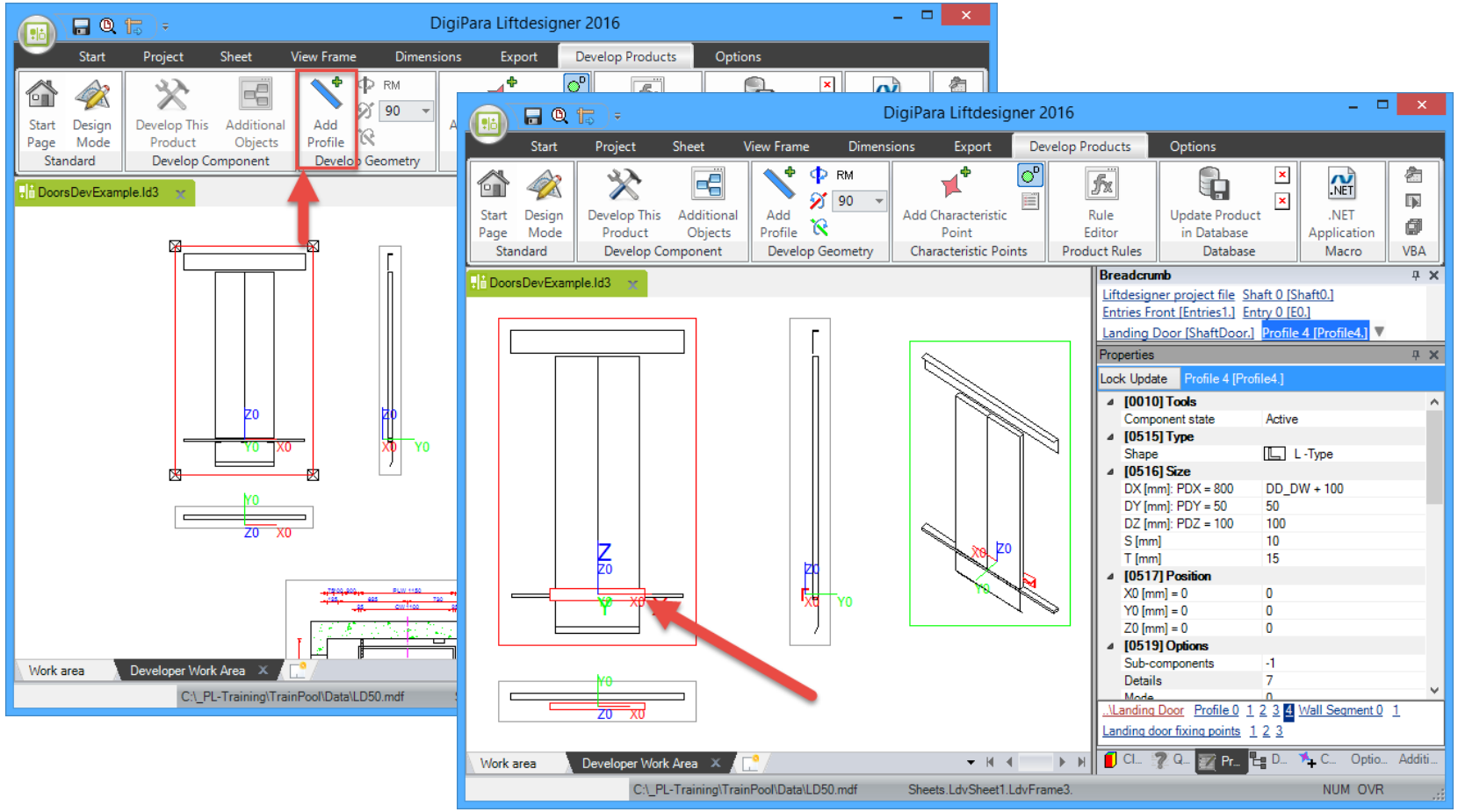
- [x] Modify the simplified 3D Geometry

Modify the simplified 3D Geometry

PL4.2 JAMBS

Adding and changing Profiles - Top Transom Panel

- in DigiPara Liftdesigner

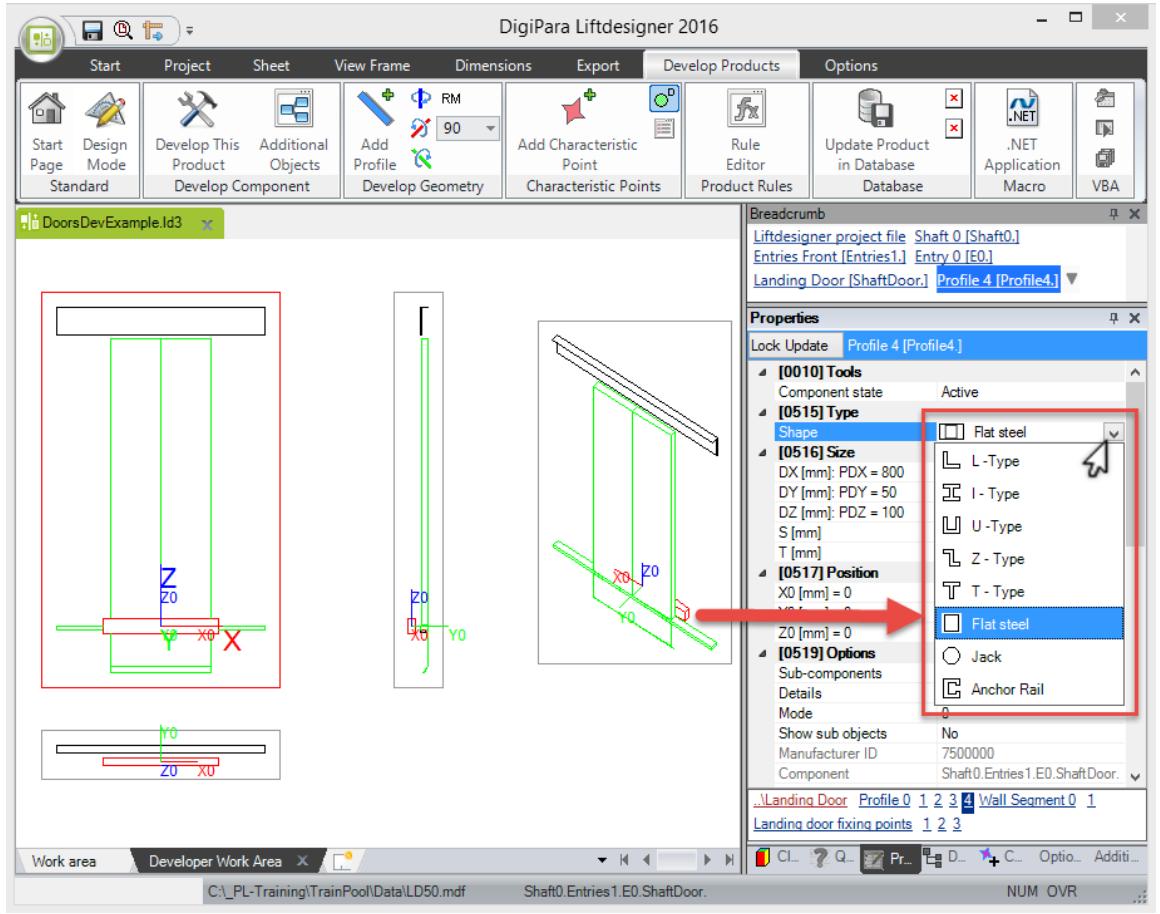


Modify the simplified 3D Geometry

PL4.2 JAMBS

Change the Type into Flat Steel

- in DigiPara Liftdesigner

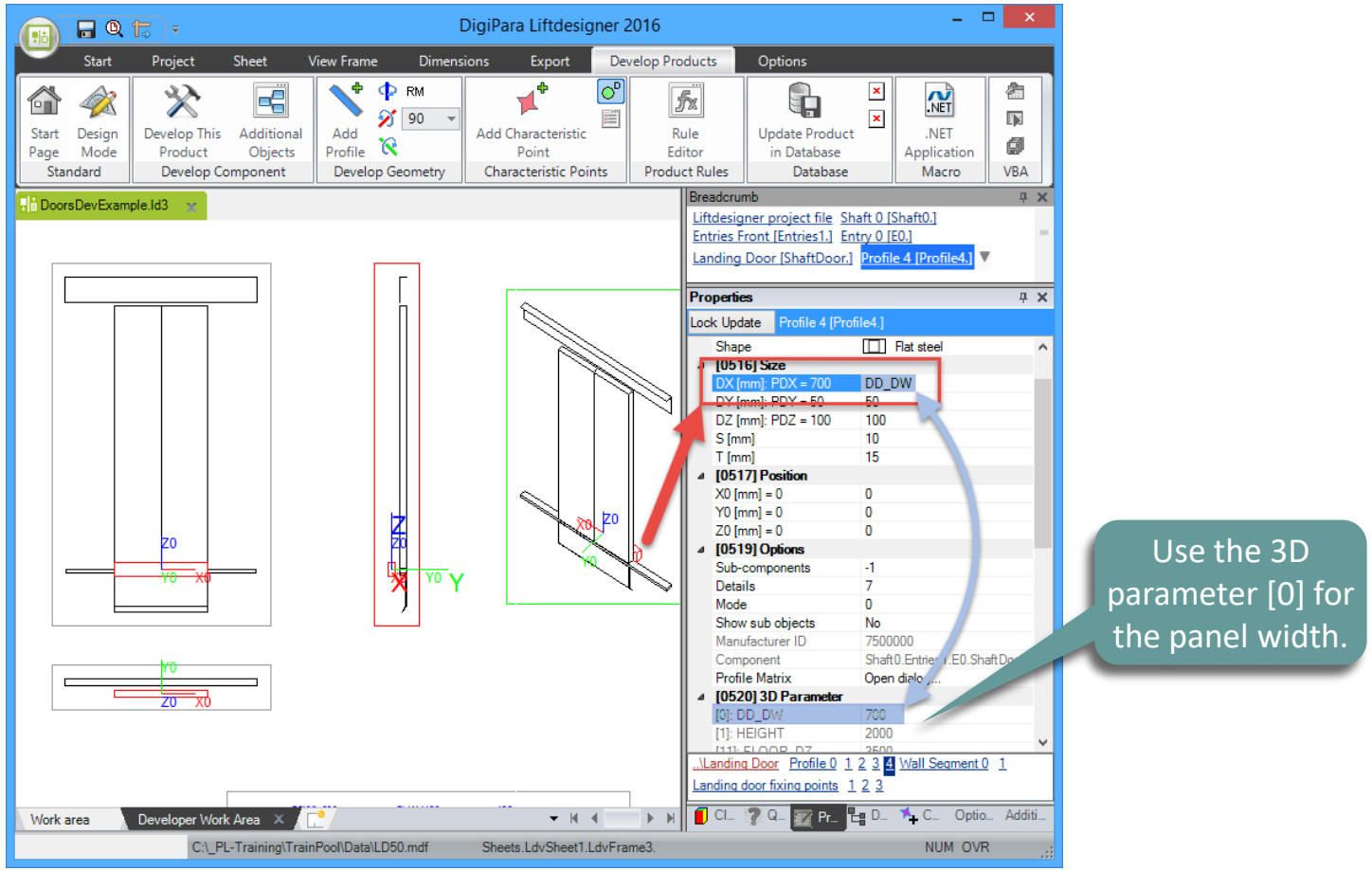


Modify the simplified 3D Geometry

PL4.2 JAMBS

The DD_DW 3D parameter under [0520] in the properties window defines the door width.

- You can also fill in the expression: [1]

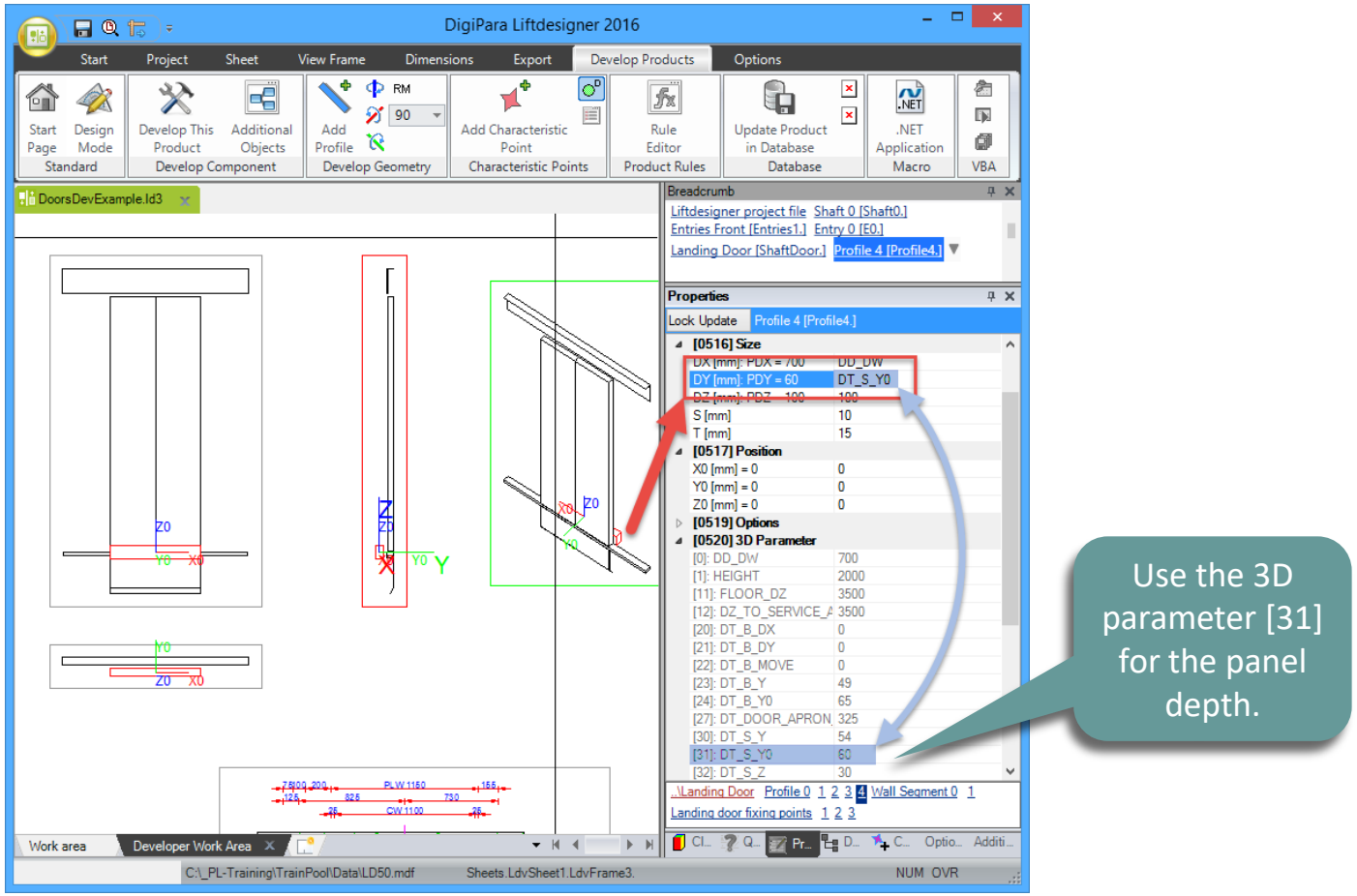


Modify the simplified 3D Geometry

PL4.2 JAMBS

Use the DT_S_Y0 3D parameter under [0520] in the properties window to define the panel depth.

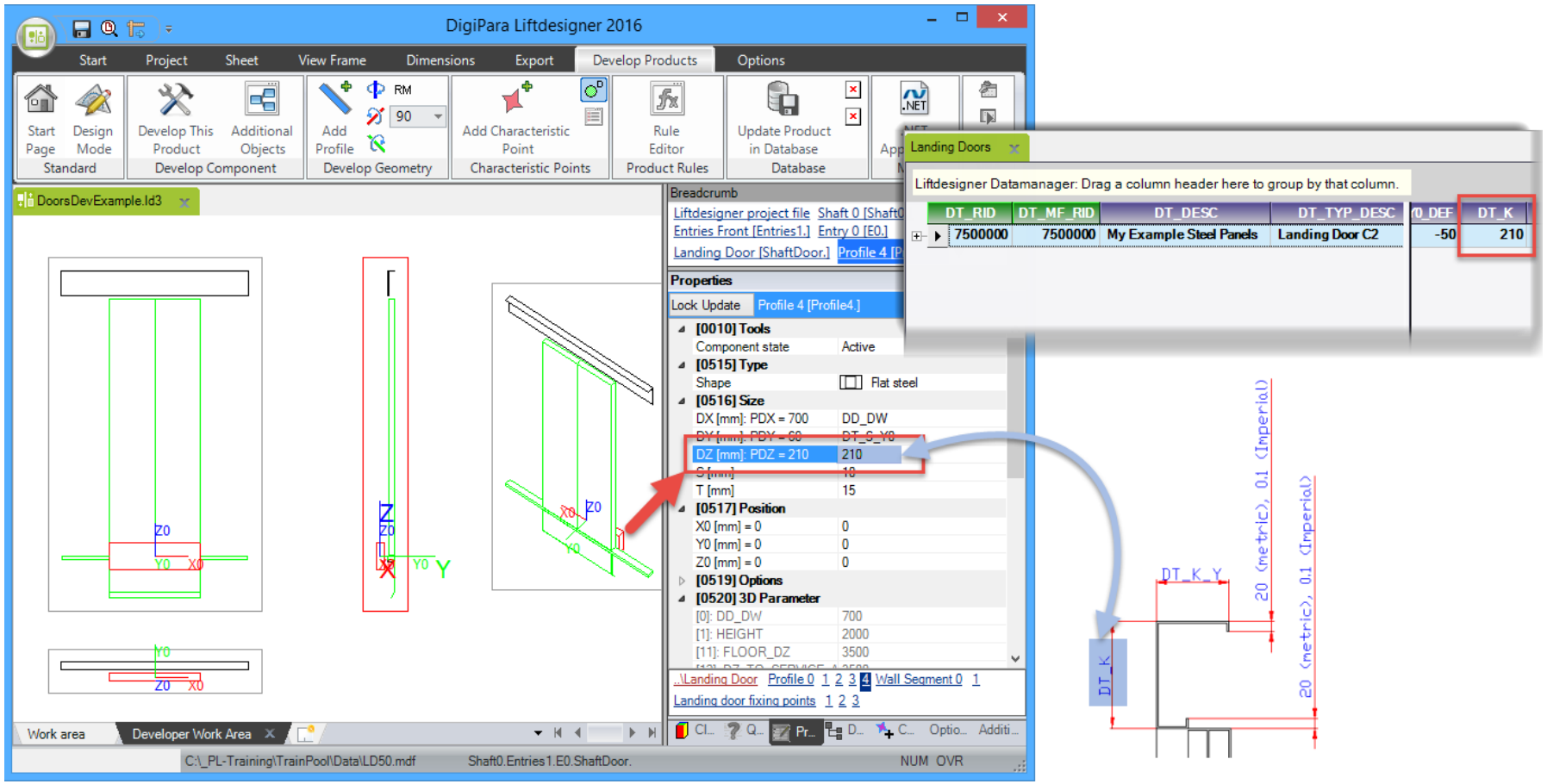
- You can also fill in the expression: [31]



Modify the simplified 3D Geometry

PL4.2 JAMBS

For the definition of your transom panel height use the same meta data value you filled in the landing door data table in Datamanager for the DT_K 3D parameter.

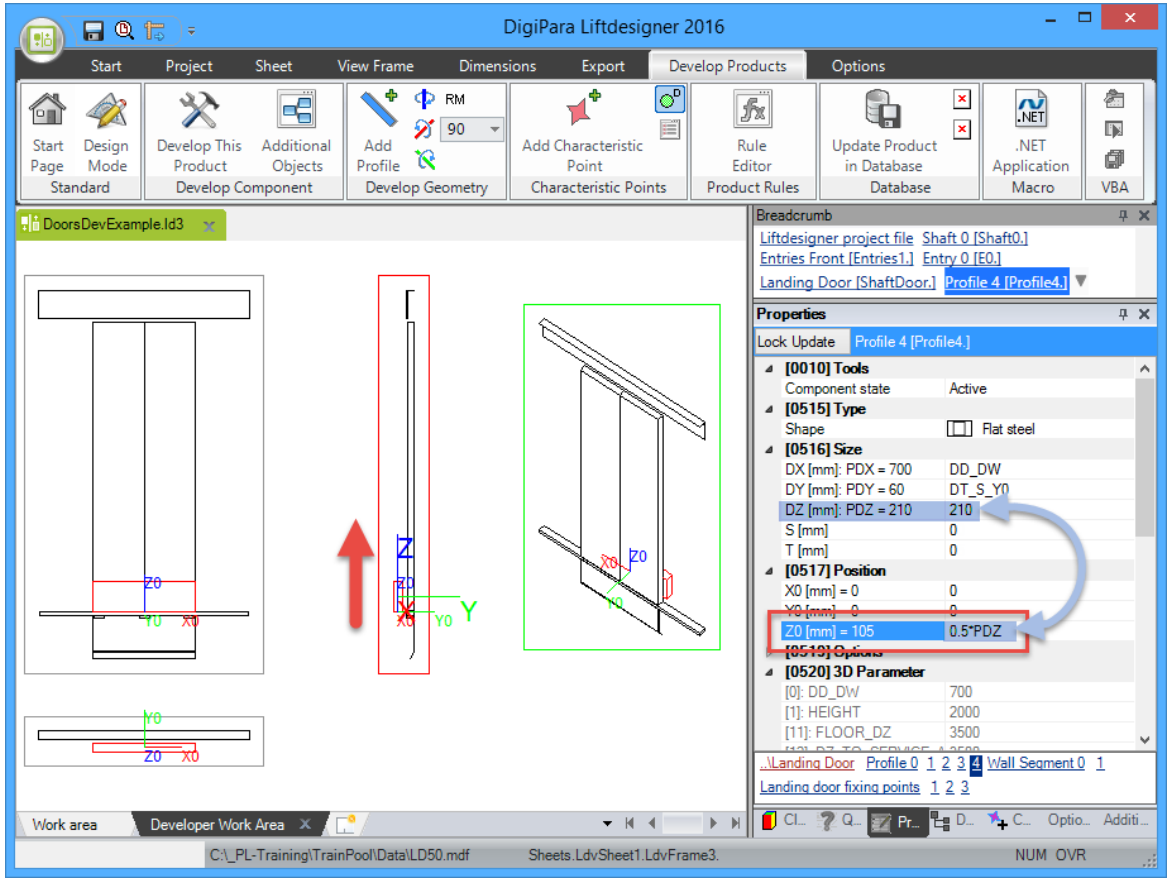


Modify the simplified 3D Geometry

PL4.2 JAMBS

Define an appropriate formula for the position in Z-direction: Z0 [mm]

- Now the distance between the base point of the profile and the landing door is 105 mm in Z-direction, which is always the half of the size DZ [mm].

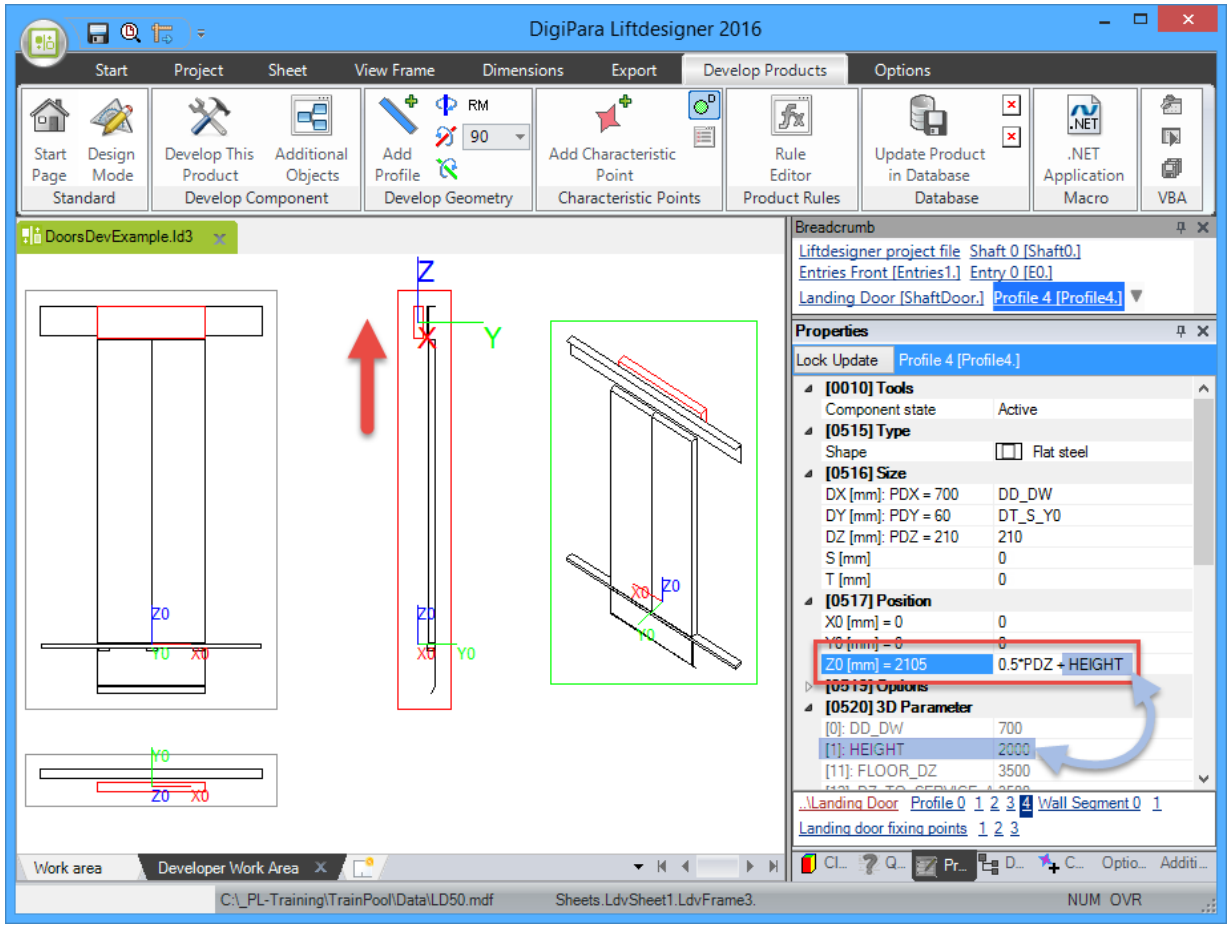


Modify the simplified 3D Geometry

PL4.2 JAMBS

Define an appropriate formula for the position in Z-direction: Z0 [mm]

- Additionally add the 3D parameter for the current landing door height.

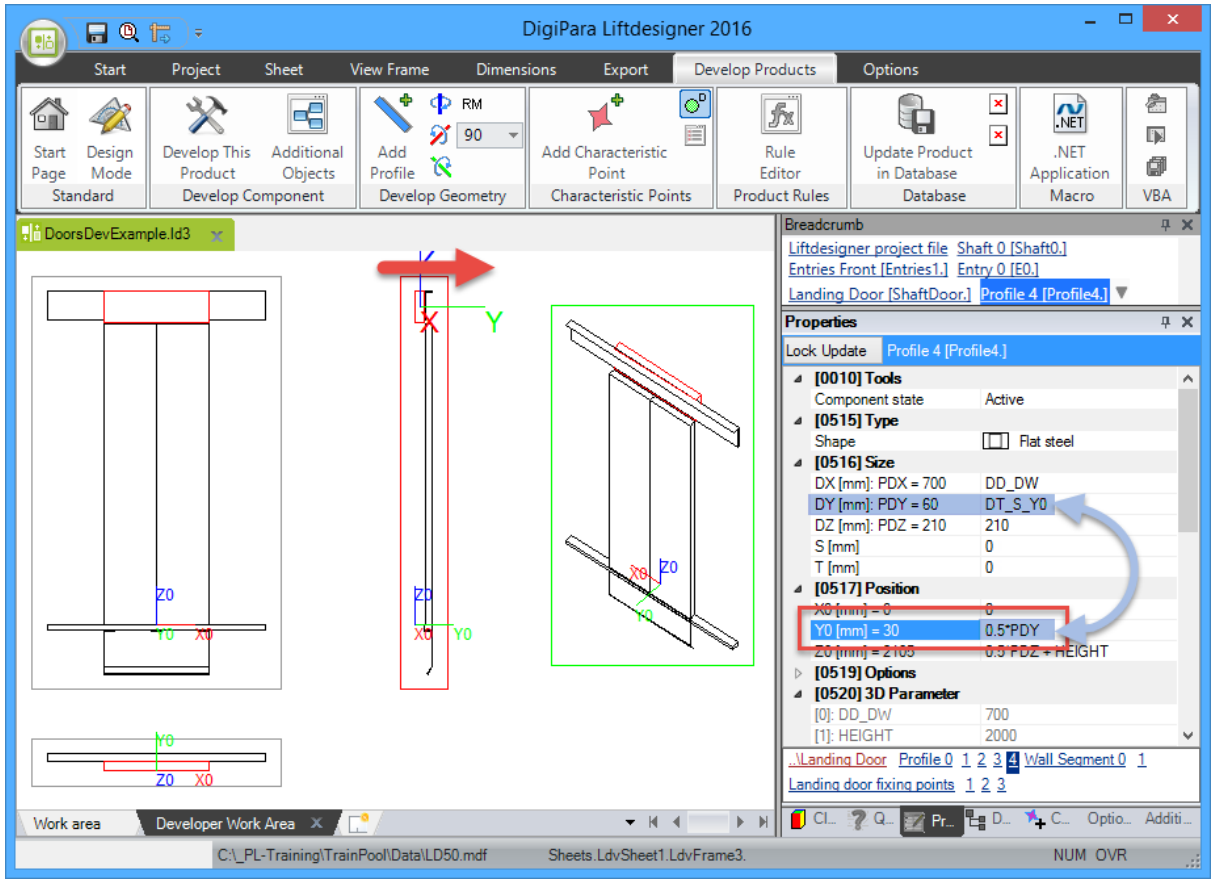


Modify the simplified 3D Geometry

PL4.2 JAMBS

Define an appropriate rule for the position in Y-direction: Y0 [mm]

- Now the distance between the base point of the profile and the landing door is 30 mm in Y-direction, which is always the half of the size DY [mm].

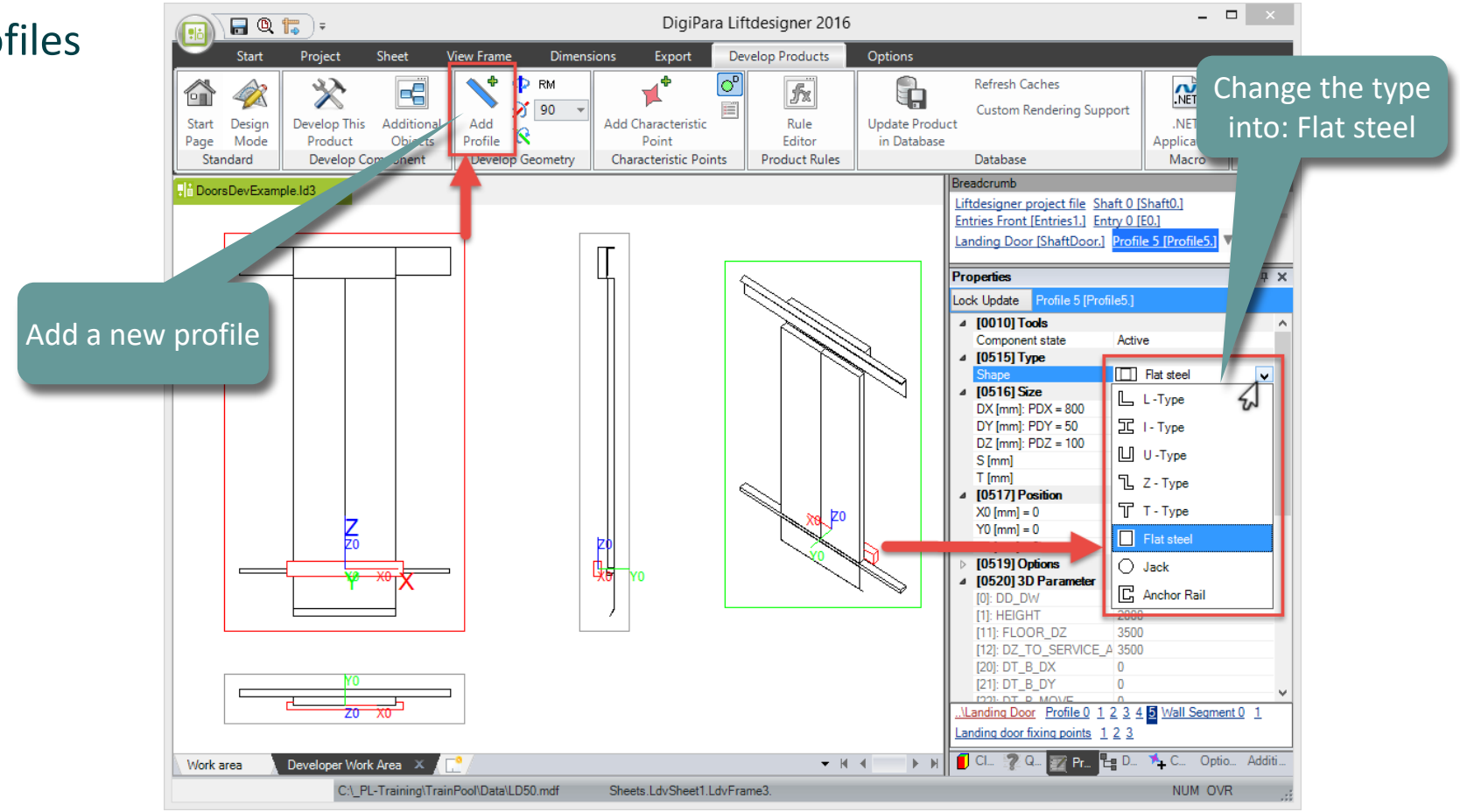


Modify the simplified 3D Geometry

PL4.2 JAMBS

Adding and changing Profiles – Jamb left

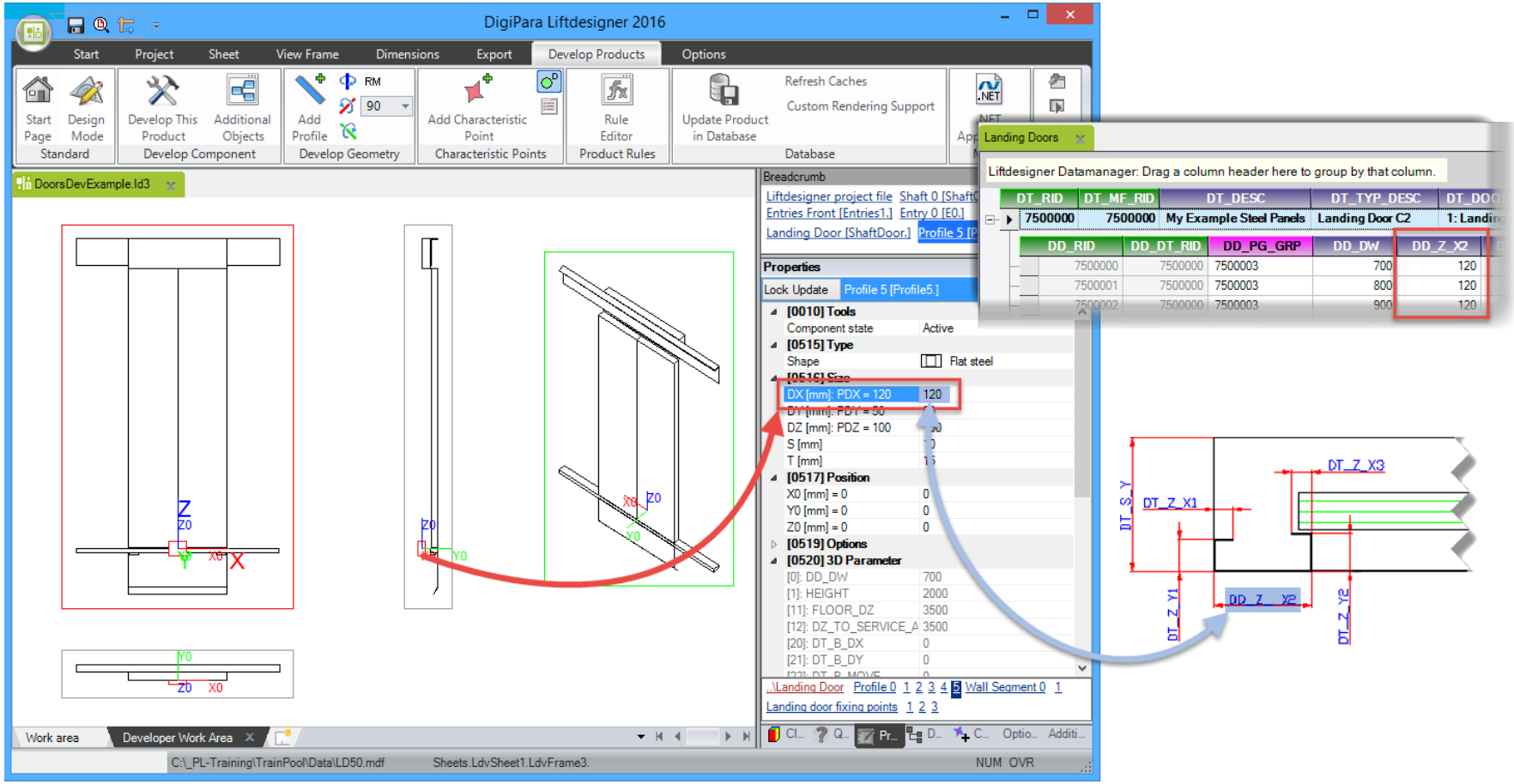
- in DigiPara Liftdesigner



Modify the simplified 3D Geometry

PL4.2 JAMBS

For the definition of your jamb width use the same meta data value you filled in the landing door data table in Datamanager for the DD_Z_X2 3D parameter.

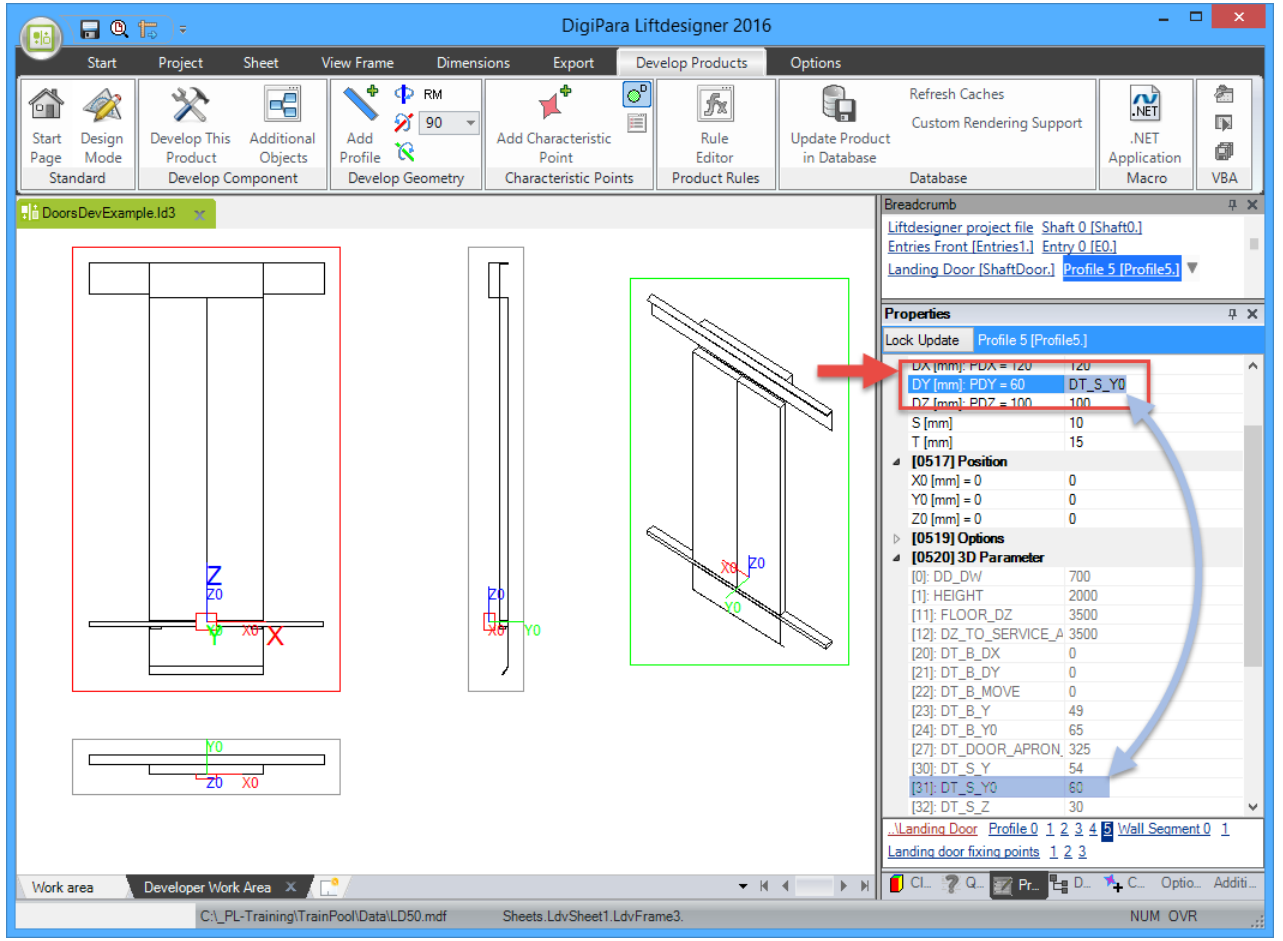


Modify the simplified 3D Geometry

PL4.2 JAMBS

Use the DT_S_Y0 3D parameter under [0520] in the properties window to define the jamb depth.

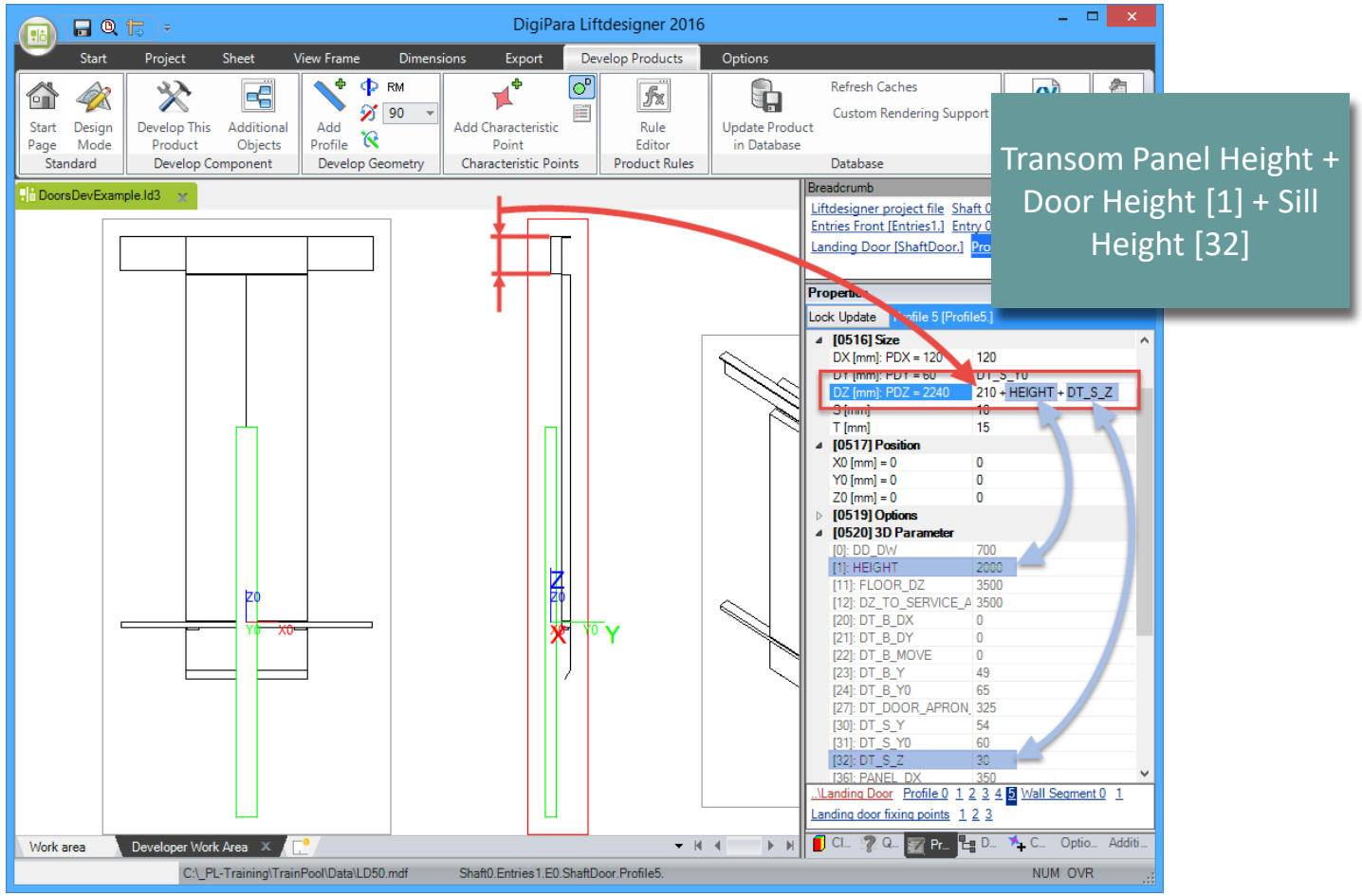
- You can also fill in the expression: [31]



Modify the simplified 3D Geometry

PL4.2 JAMBS

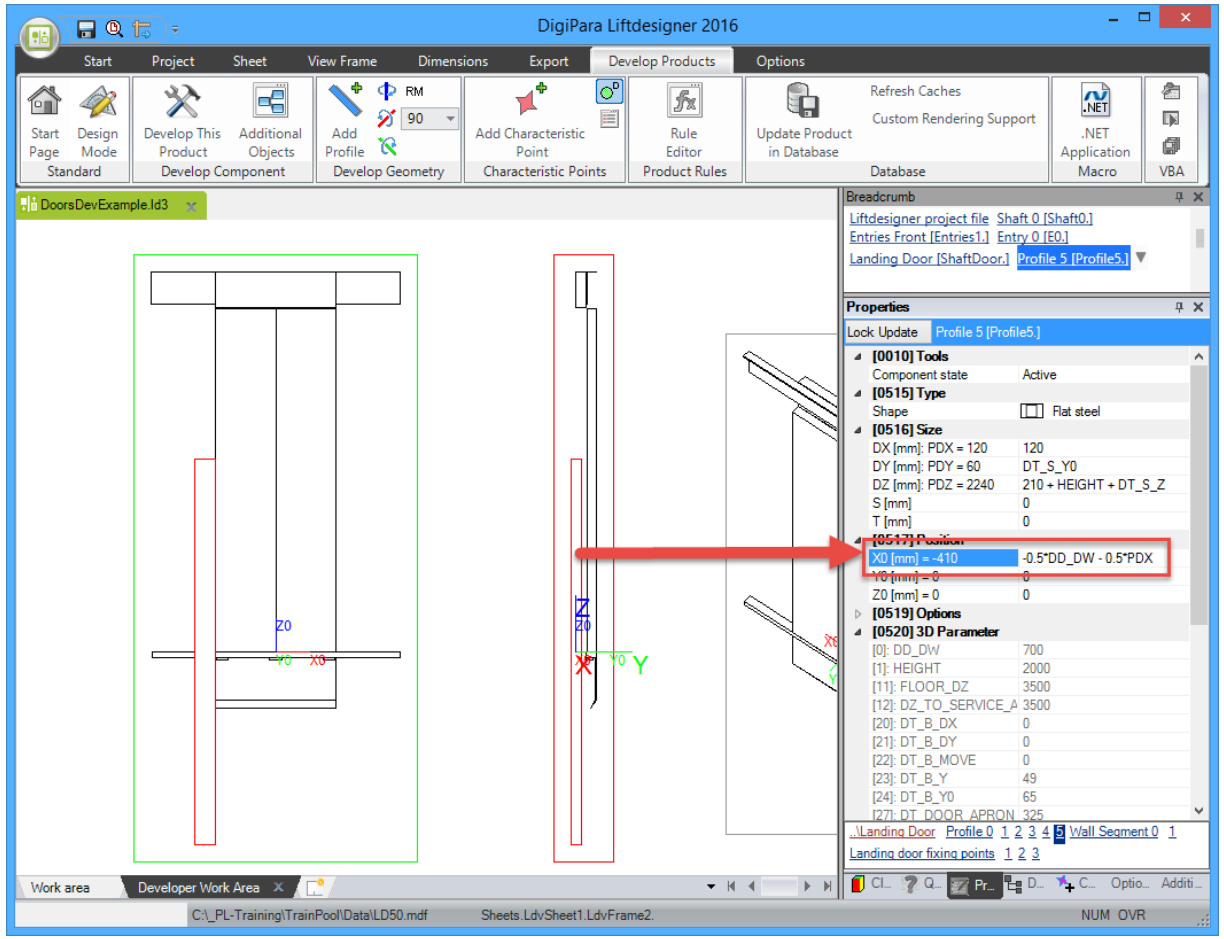
Create a corresponding formula for the definition of the jamb height. This formula consists of two 3D parameters and one fix value.



Modify the simplified 3D Geometry

PL4.2 JAMBS

Use the DD_DW 3D parameter under [0520] in the properties window to create a corresponding formula for the position definition in X-direction: X0 [mm]



Modify the simplified 3D Geometry

PL4.2 JAMBS

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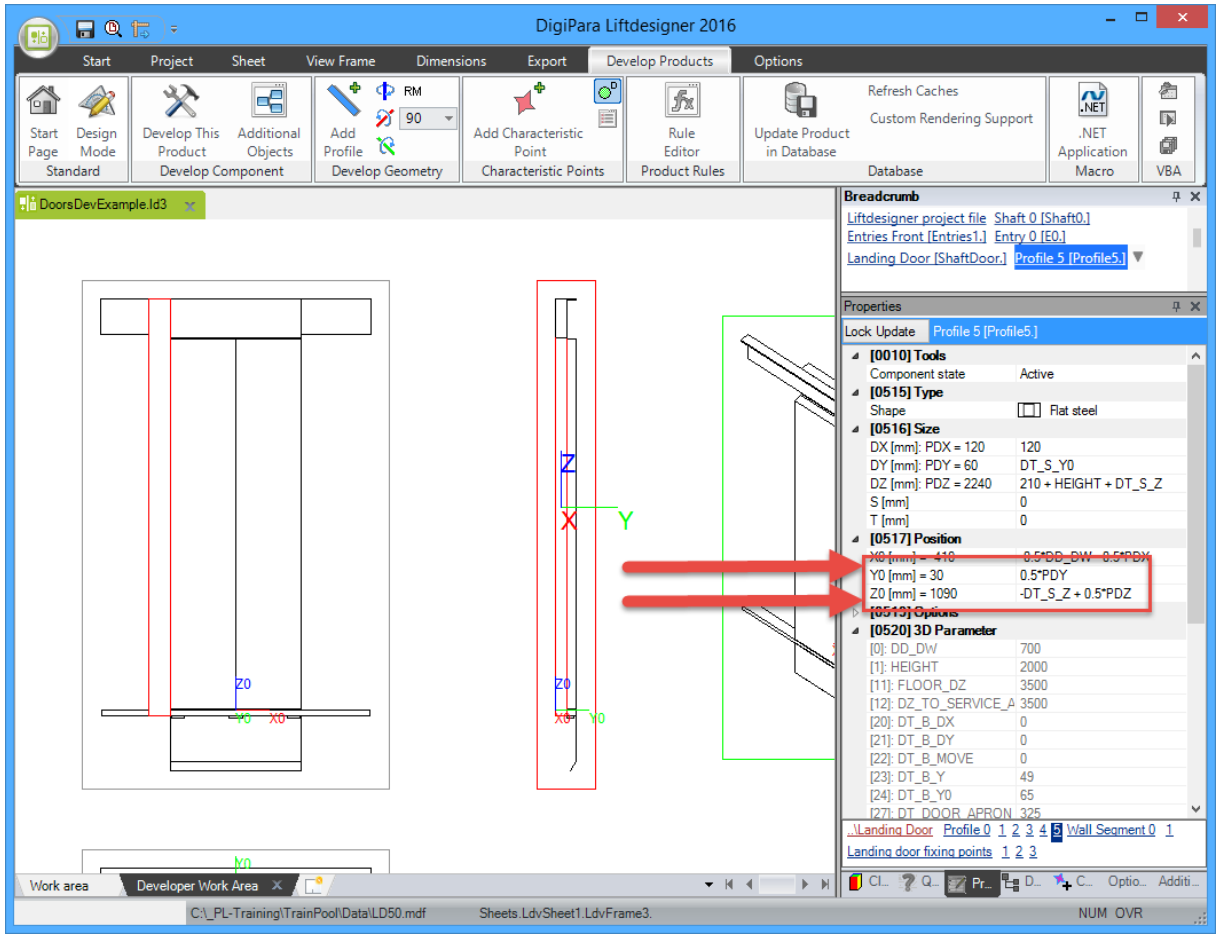
Define an appropriate formula for the position in Y-direction:

- Y0 [mm] and Z-direction: Z0 [mm]

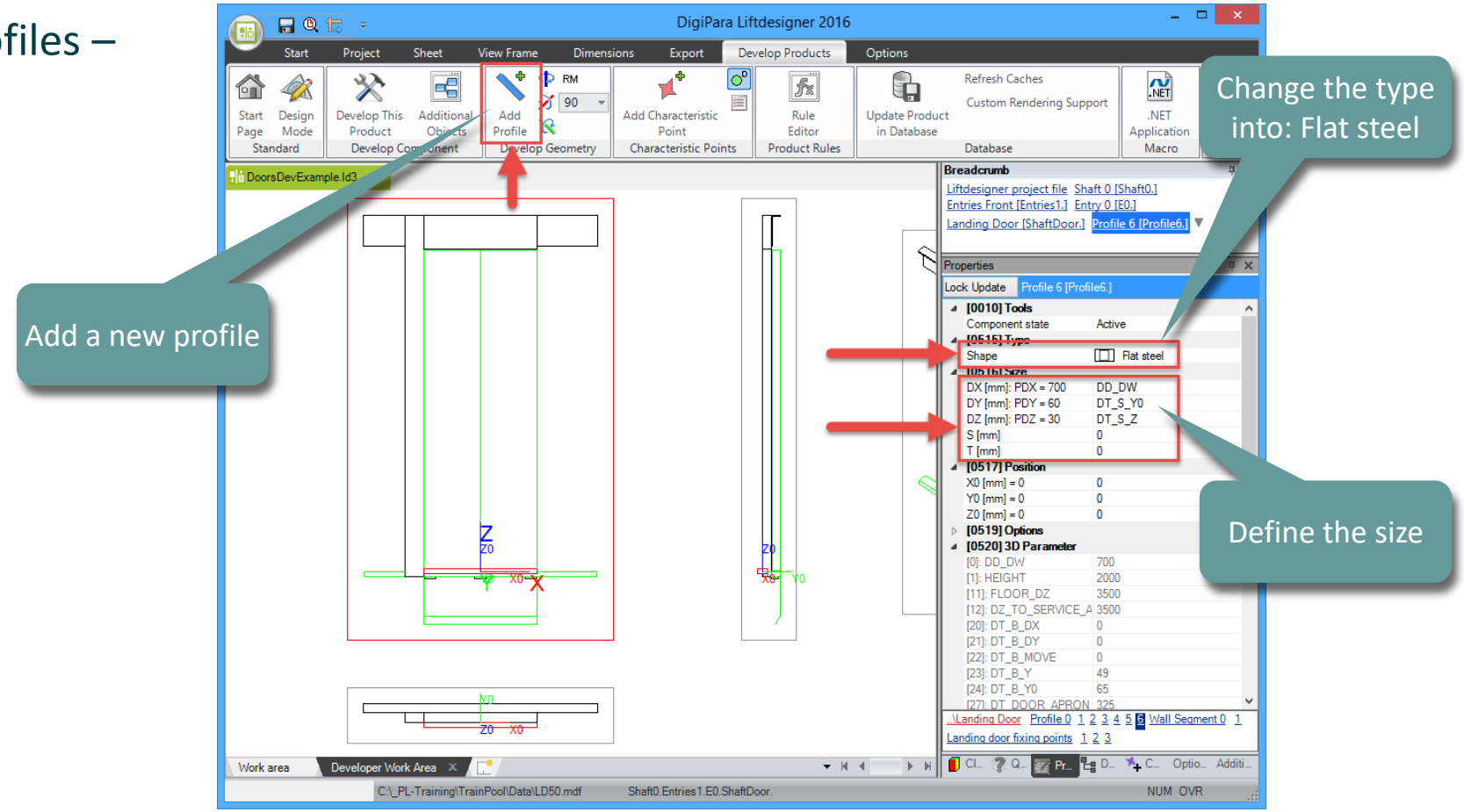


Modify the simplified 3D Geometry

PL4.2 JAMBS

Adding and changing Profiles – Additional Sill Profile

- in DigiPara Liftdesigner

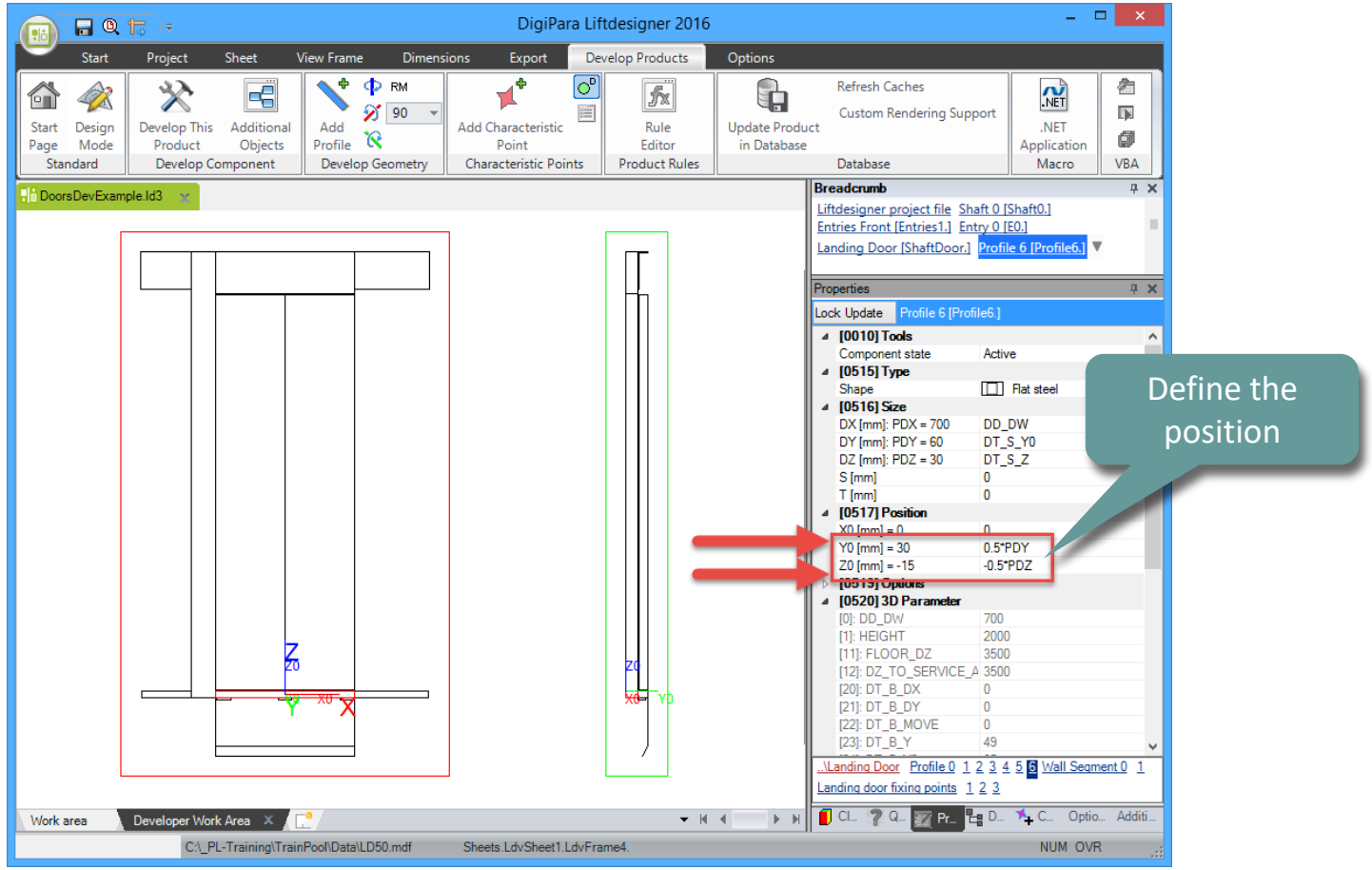


Modify the simplified 3D Geometry

PL4.2 JAMBS

Adding and changing Profiles – Additional Sill Profile

- in DigiPara Liftdesigner

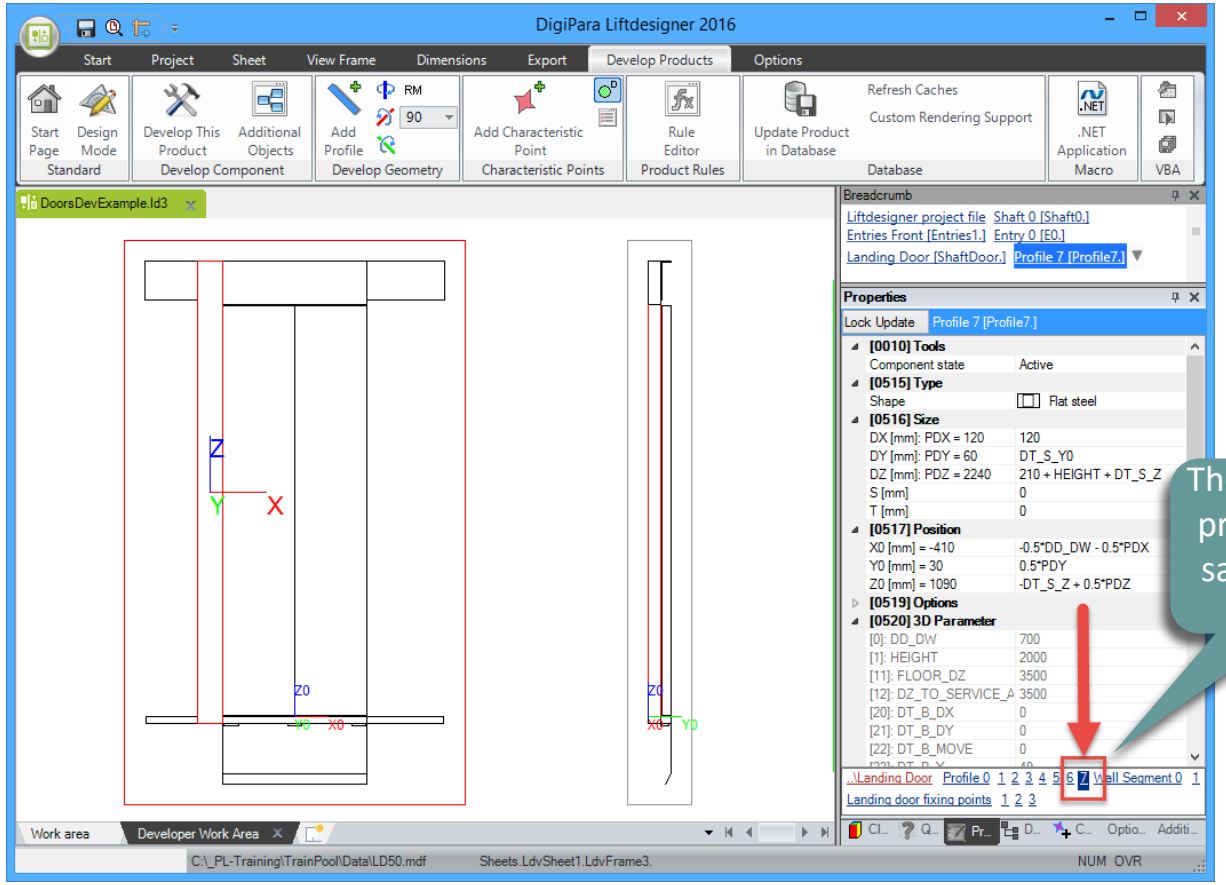


Modify the simplified 3D Geometry

PL4.2 JAMBS

Copy the finished defined Profile – Jamb right

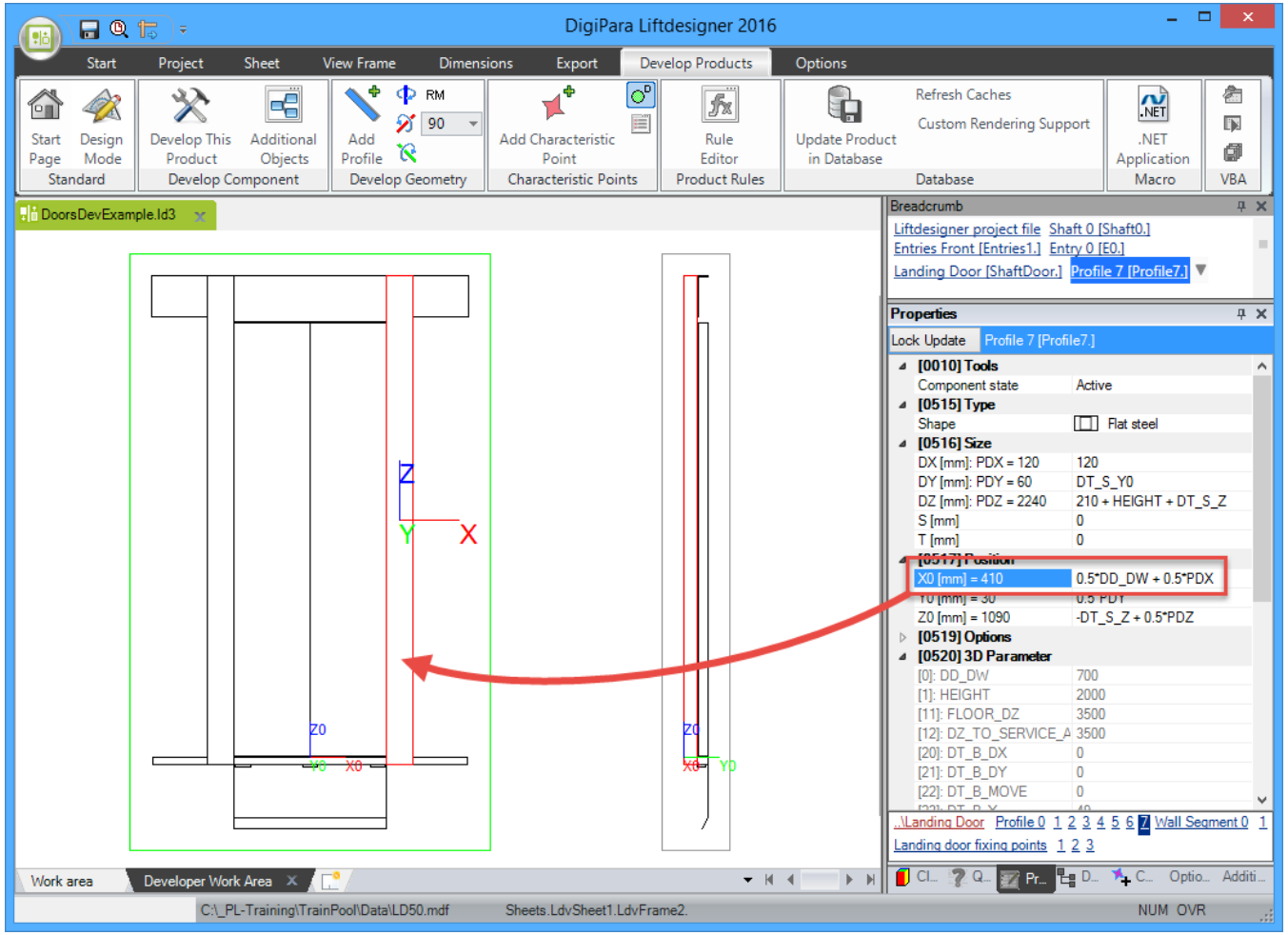
- Select the finished defined profile and press Ctrl-C and Ctrl-V to copy and paste.



Modify the simplified 3D Geometry

PL4.2 JAMBS

Change the signs of the position formula X0 [mm] (+ / -).



Save into the DigiPara BIM Library

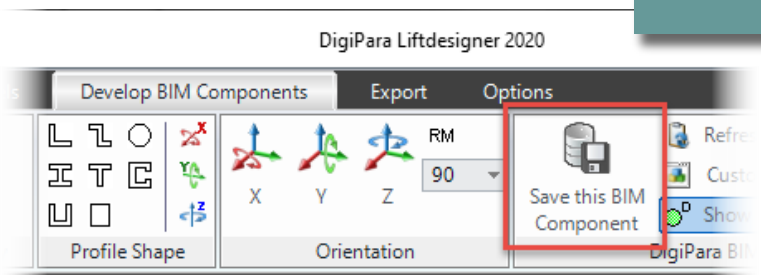
Save into the DigiPara BIM Library

PL4.2 JAMBS

Save the finished defined BIM Component

- into the DigiPara BIM Library

Hint: After each processing step on the BIM component geometry



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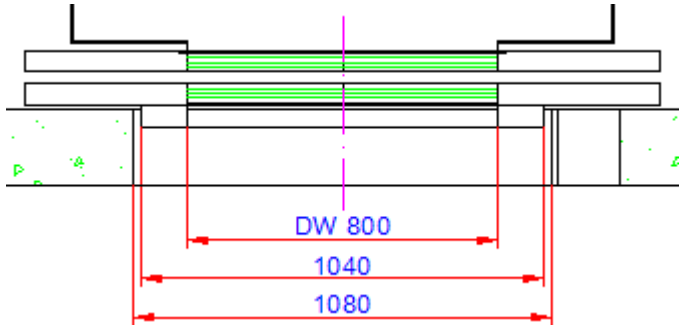
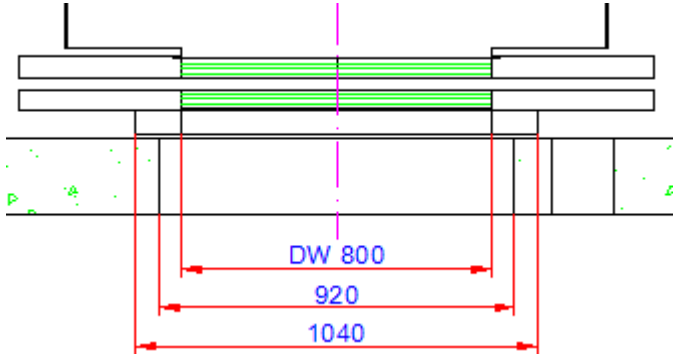
PL4.2

Jambs Wallopenings

PL4.2 Jamb Wallopenings





Copy a similar BIM Component

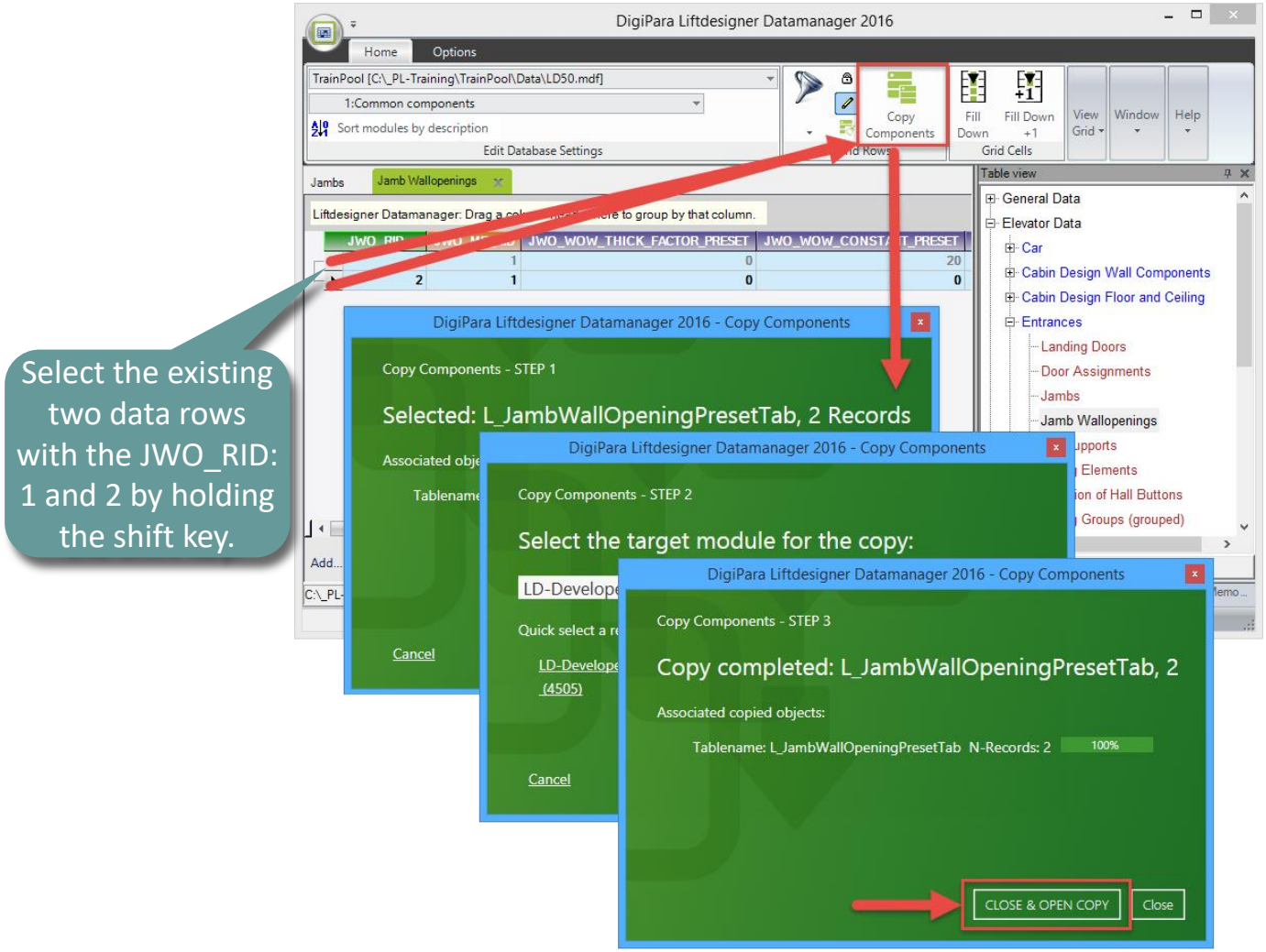
Copy a similar BIM Component

PL4.2 JAMB WALLOPENINGS

Copy a similar BIM Component

- in DigiPara Liftdesigner Datamanager

- The new component is copied with all parameters and values into your manufacturer module.

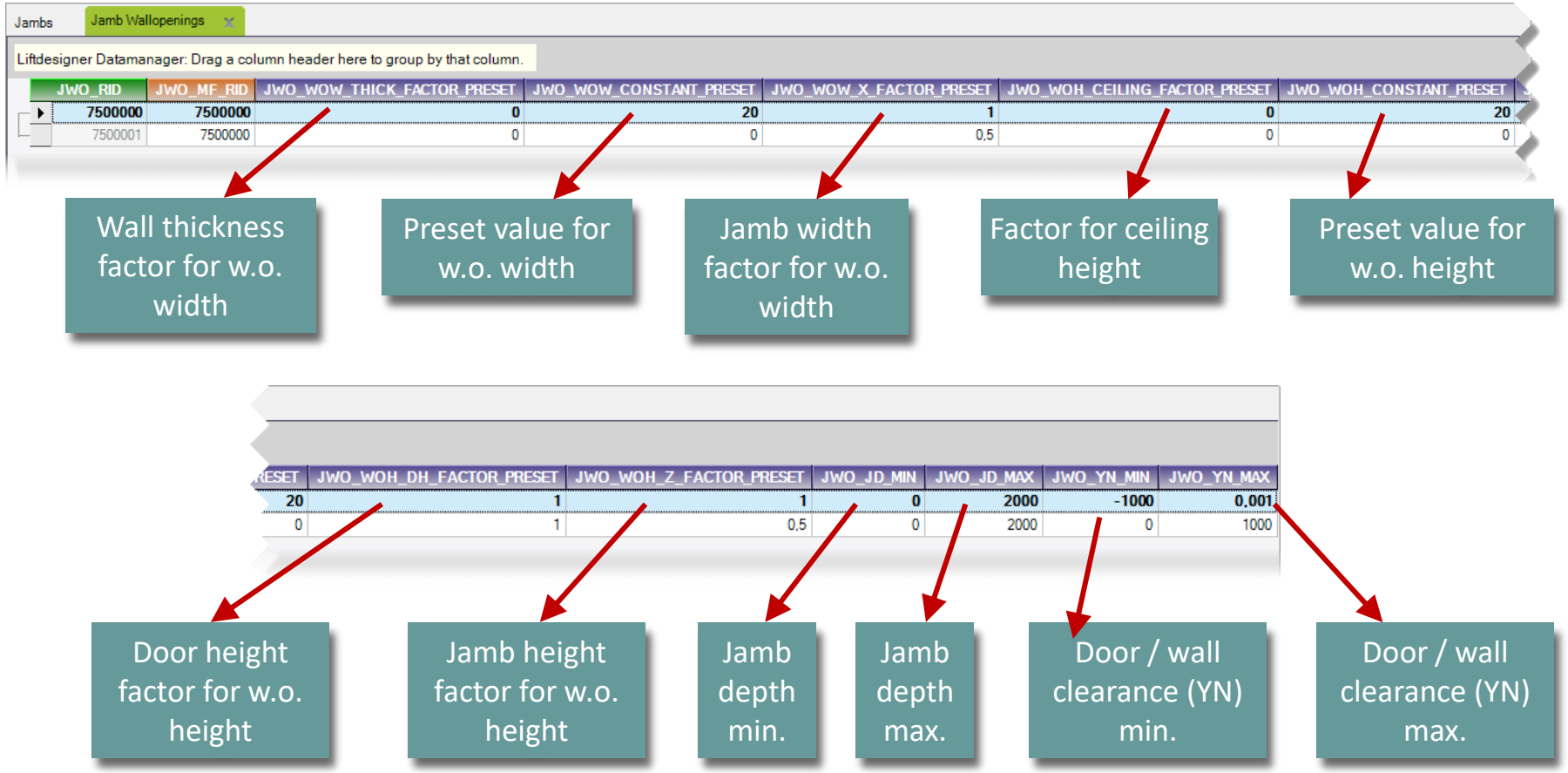


Edit the Meta Data

Edit the Meta Data

PL4.2 JAMB WALLOPENINGS

Edit the Meta Data



Edit the Meta Data

PL4.2 JAMB WALLOPENINGS

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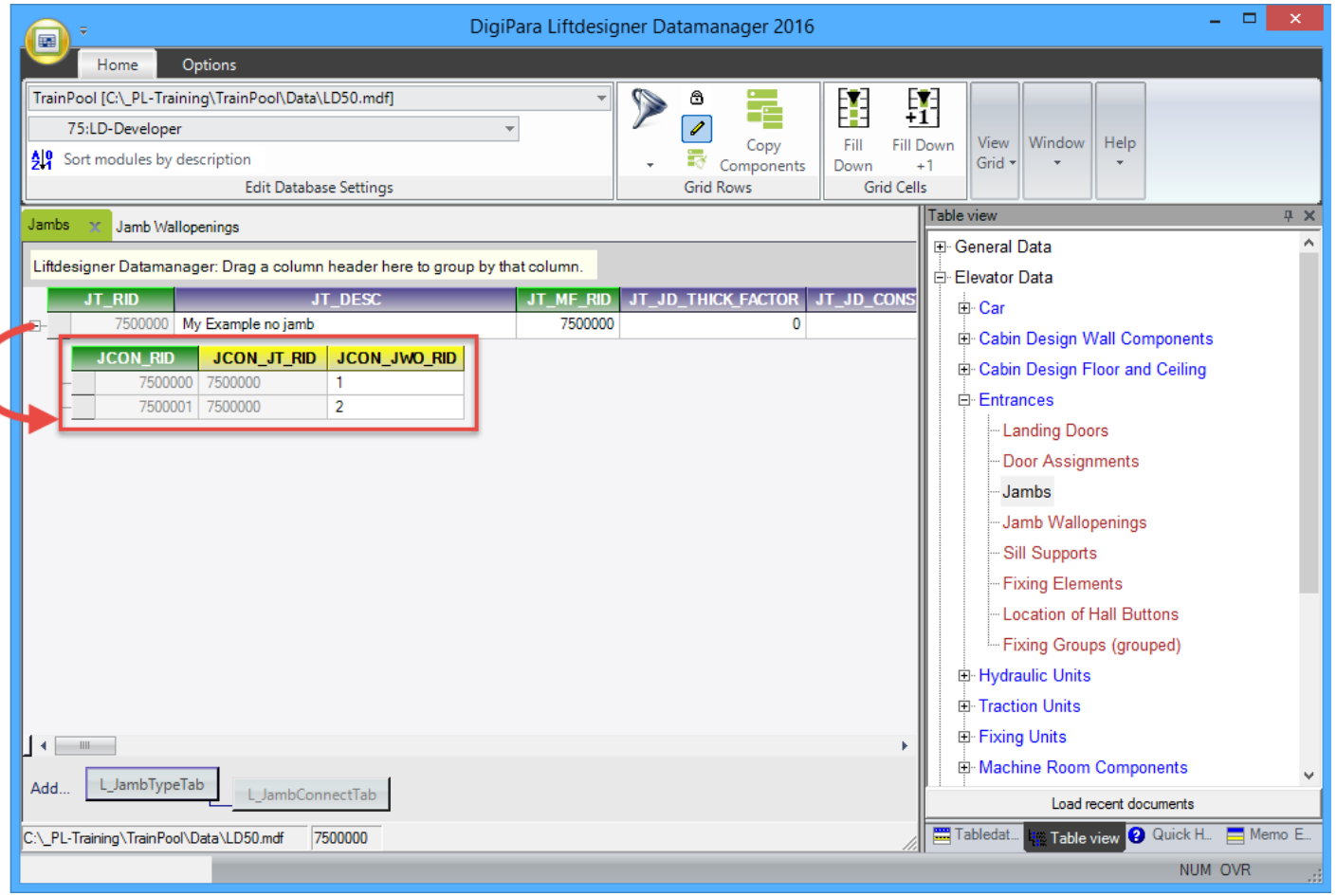
Determine related BIM components for your Jamb

- in DigiPara Liftdesigner Datamanager



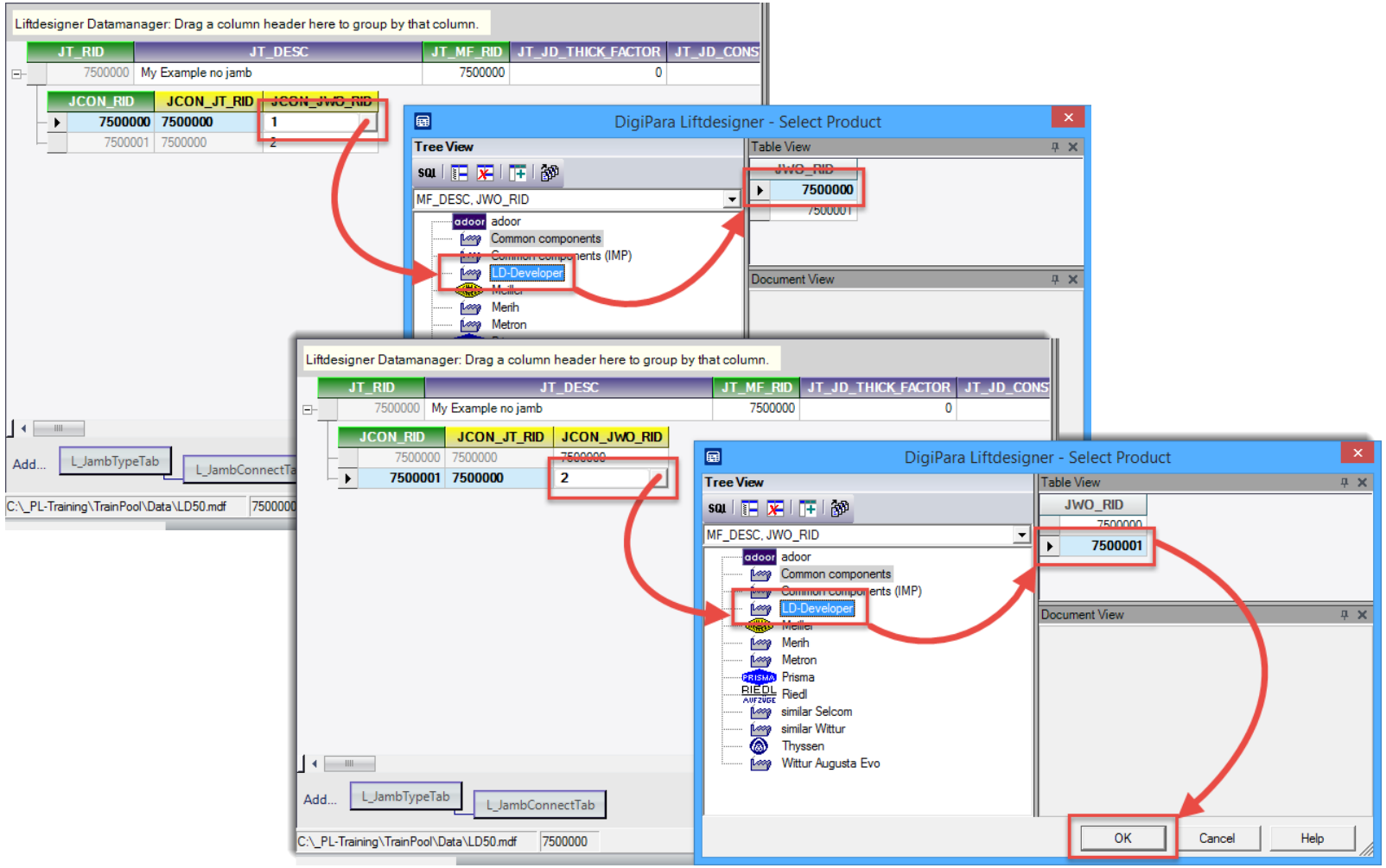
Edit the Meta Data

PL4.2 JAMB WALLOPENINGS

digipara® liftdesigner

Determine related BIM components for your Jamb

- in DigiPara Liftdesigner Datamanager



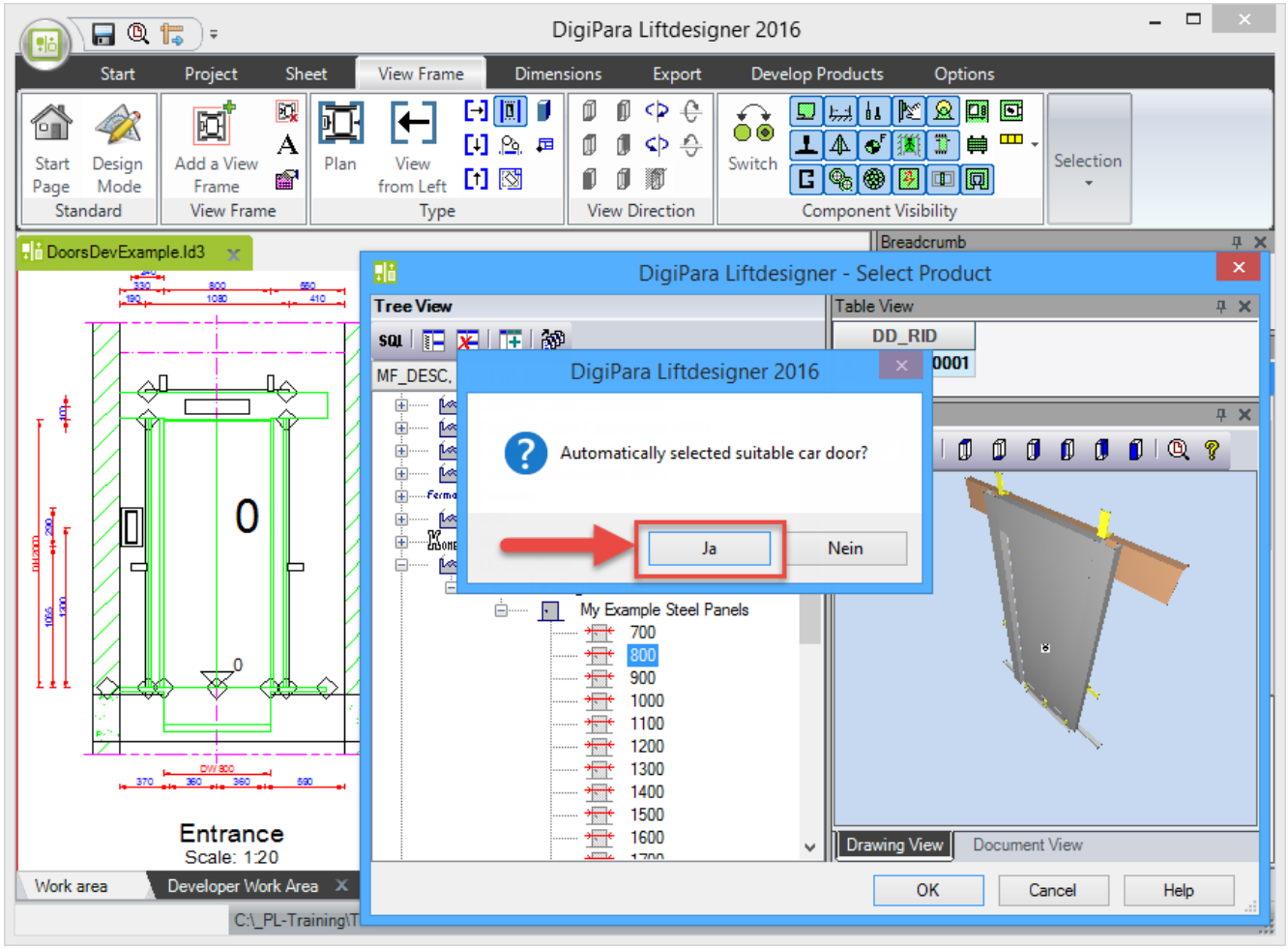
Load your edited BIM Component

Load your edited BIM Component

PL4.2 JAMB WALLOPENINGS

Load your edited Landing Door with your new Jamb Wallopenings

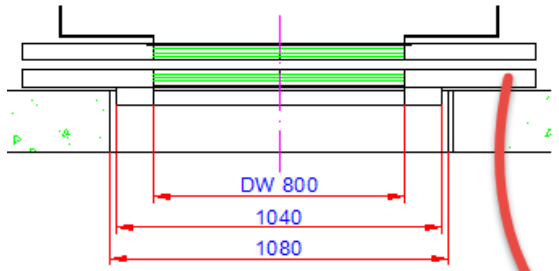
- in DigiPara Liftdesigner

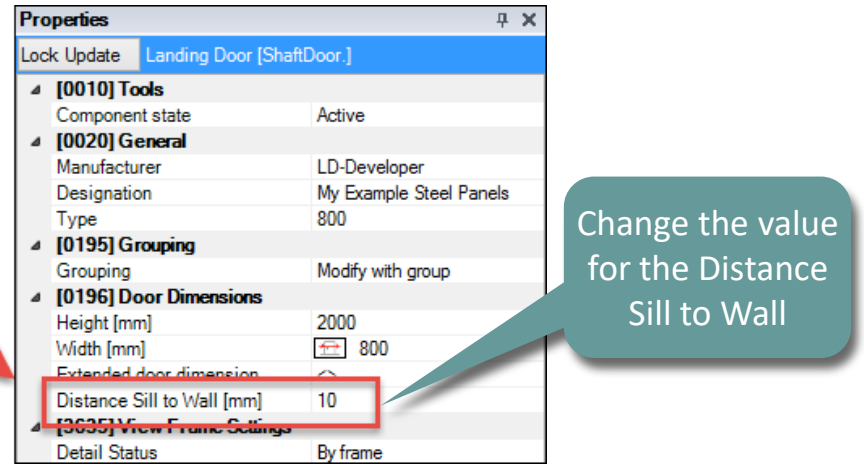


Load your edited BIM Component

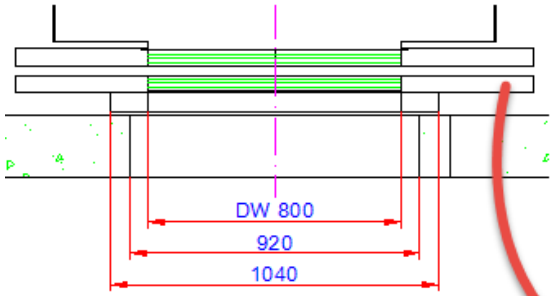
PL4.2 JAMB WALLOPENINGS

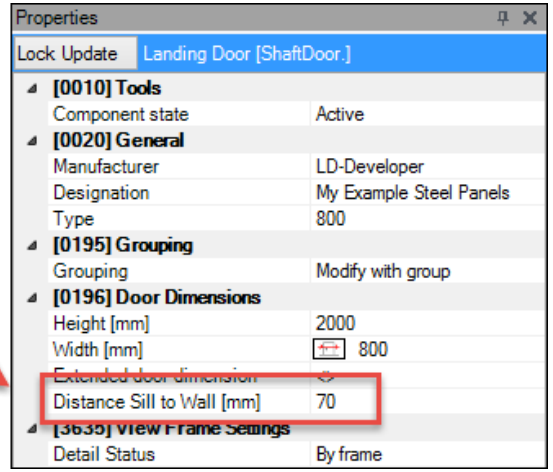
Check the Result in DigiPara Liftdesigner





Change the value for the Distance Sill to Wall





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Let's have a break!

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PL4.3

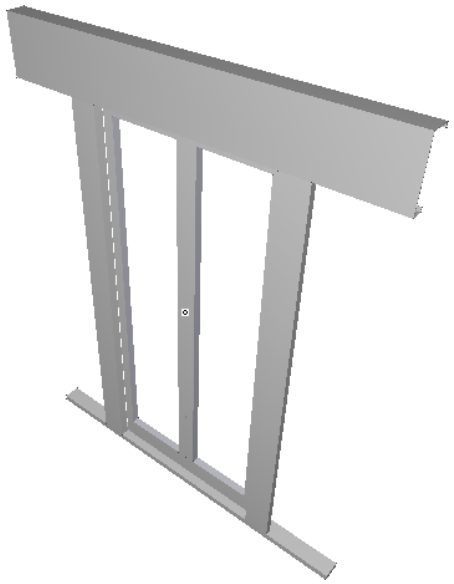
Glass Panels & Door Drives

More Product Loading Options for Doors

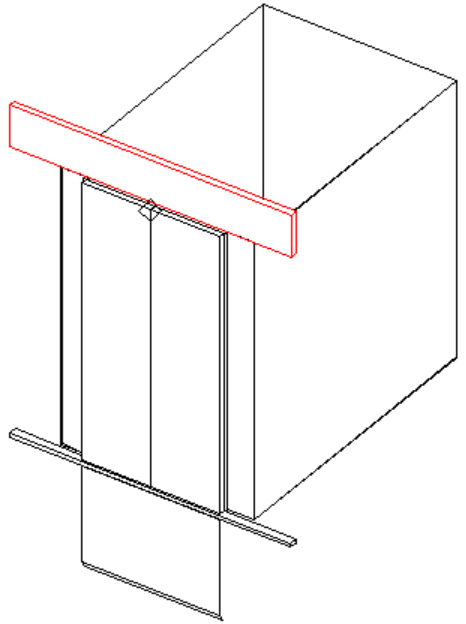
PL4.3 GLASS PANELS & CAR DOOR DRIVES

Take a look at our online documentation and find additional training extensions.

- How can I define Glass Panels for my existing Doors?



- Step by Step Tutorial: Car Door Drives



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A4.4

Summary & custom Q&A’s

Congratulations

You reached the next level

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Your instructor will be available for individual questions after the module training.

training@digipara.com

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www.digipara.com