



Armaor Light

Subject : First steps

I.	Customer, site , order	2
II.	Fast and controlled analysis	6
III.	Tags printing	13
IV.	Delivery note printing.....	16
V.	Analysis printing.....	18
VI.	Cutting list printing.....	20
VII.	To go further.....	21

Key words : Armaor Light, Help, First steps

Révision	Date	Motif	Auteur

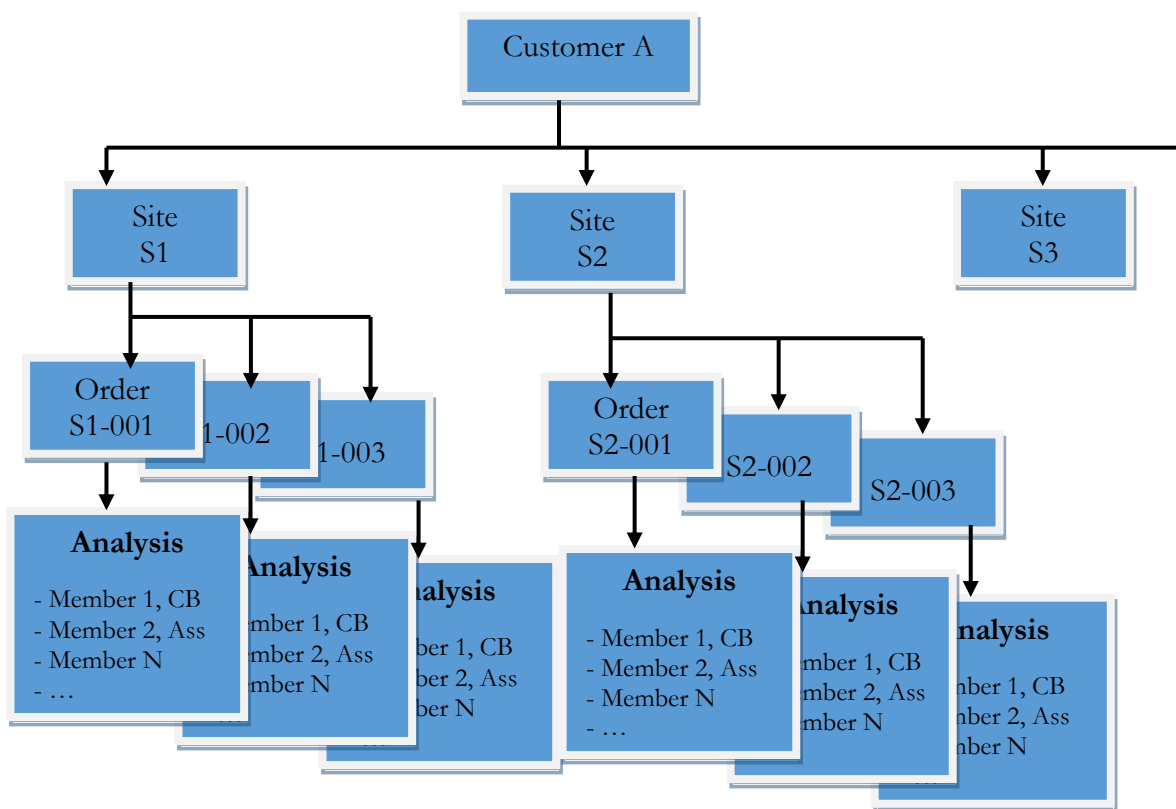
Document créé le :	Auteur :	Vérifié par :	Vérifié le :
17-06-2016	Loïc PICQUET		

I. Customer, site, order

Before entering any analysis, you have to enter some information: customer, site, order.

1- Data layout

This layout represents the organisation of the data :



As you can see, a customer can have several sites.

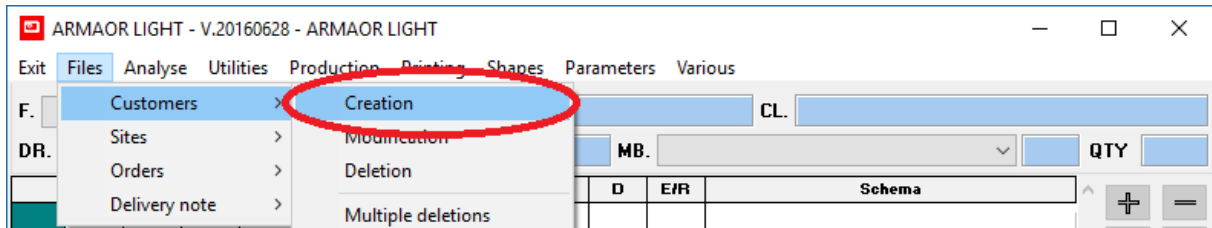
A site can have several orders, and for each site you have an analysis of one or more members: Cut and bend (CB), Assembled (Ass) ...

However, please note that one order can only have one analysis.

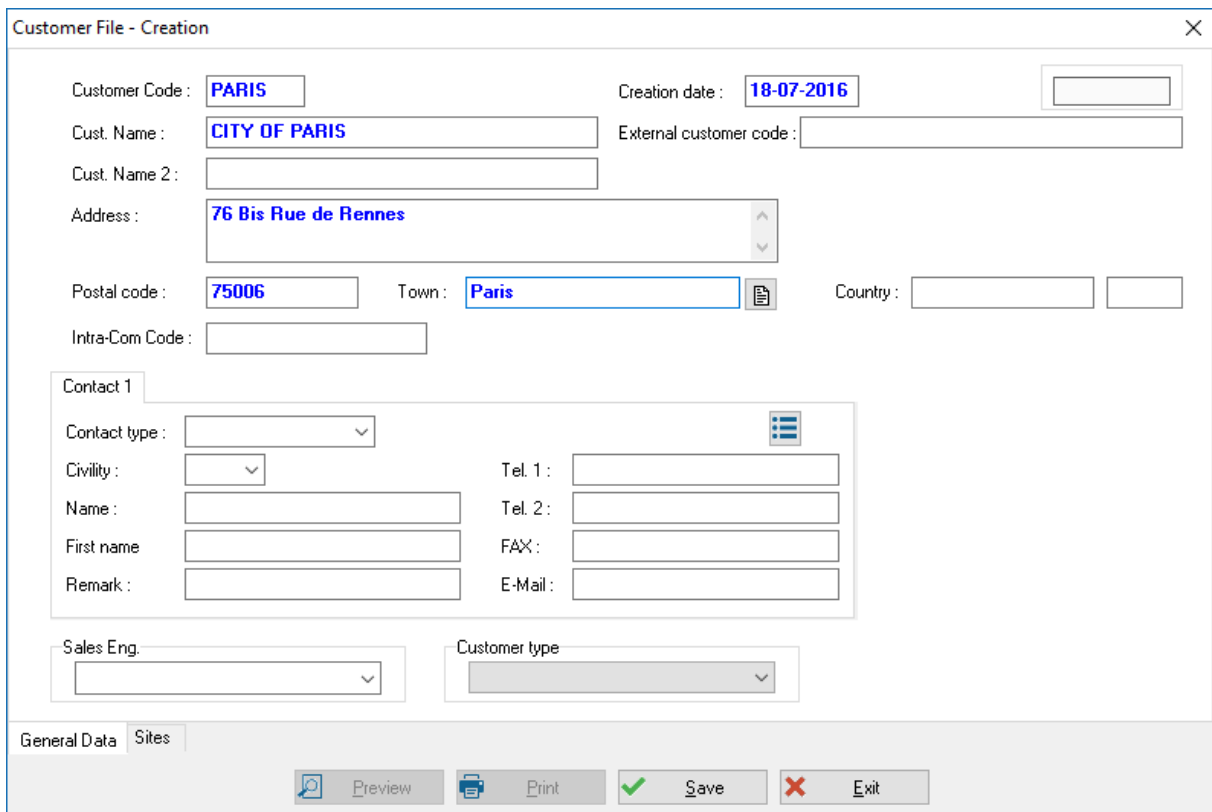
As a consequence, if you want to create a new analysis, you have to create a new order.

2- Customer creation

Menu: File > Customers > Creation



First, you start creating a customer giving him a code **(1)** (Figures and/or letters), then you enter company general data (name, address...) **(2)**.



Customer File - Creation

Customer Code: **PARIS** Creation date: **18-07-2016**

Cust. Name: **CITY OF PARIS** External customer code:

Cust. Name 2:

Address: **76 Bis Rue de Rennes**

Postal code: **75006** Town: **Paris** Country:

Intra-Com Code:

Contact 1

Contact type:

Civility:

Name:

First name:

Remark:

Tel. 1:

Tel. 2:

FAX:

E-Mail:

Sales Eng.:

Customer type:

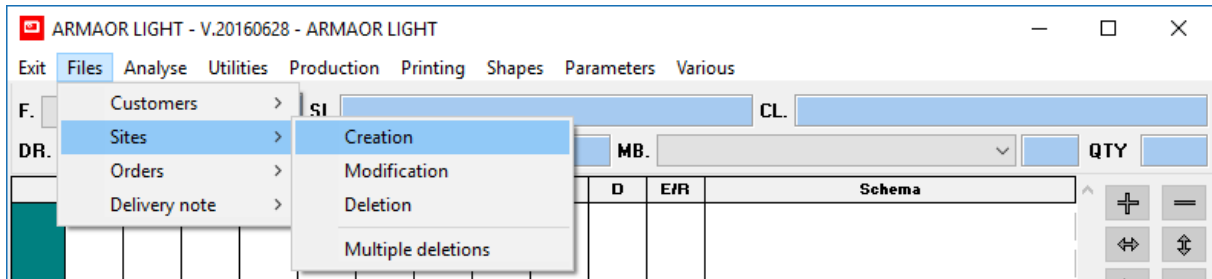
General Data Sites

Preview Print Save Exit

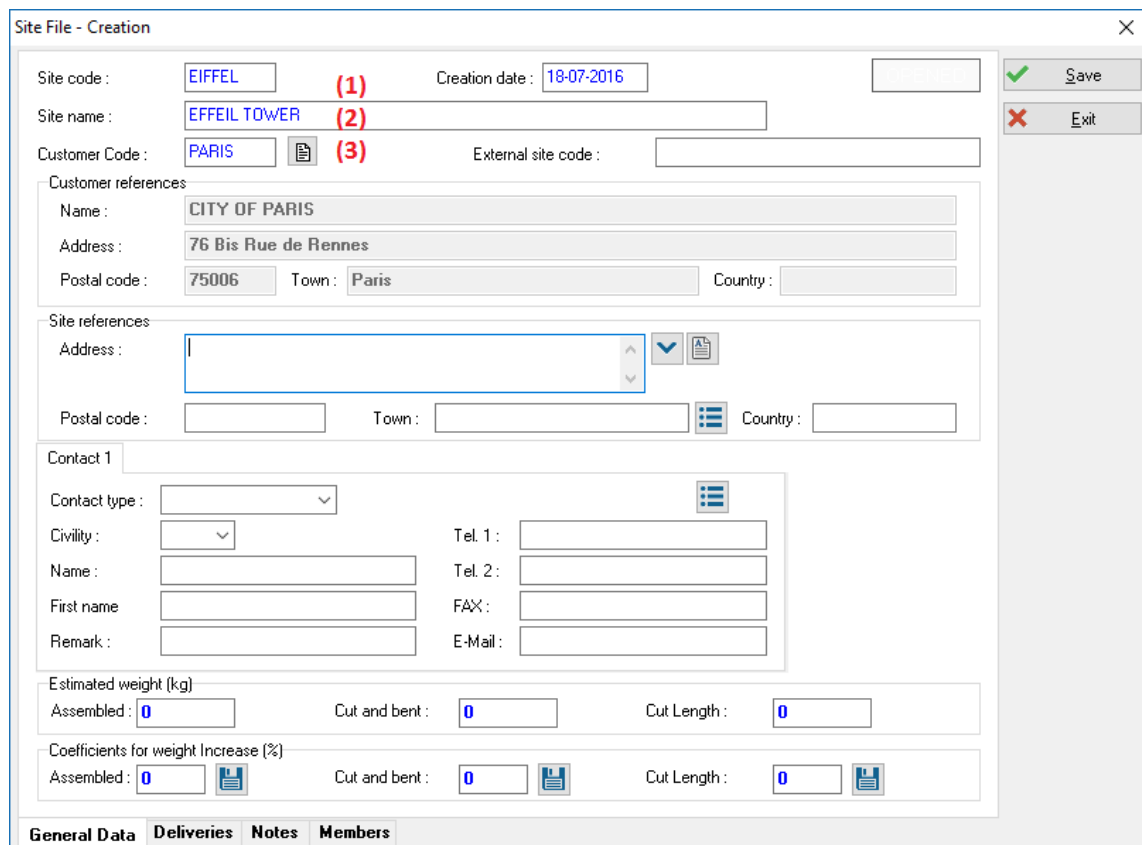
Once all those fields are entered, you have to click on « Save » then « Exit »

3- Site creation

Menu: Files > Sites > Creation



Then, you create a site (Steel delivery location) giving it a code **(1)** (figures and/or letters), then you enter all its specific data.



Site File - Creation

Site code : **(1)** Creation date :

Site name : **(2)**

Customer Code : **(3)** External site code :

Customer references

Name :

Address :

Postal code : Town : Country :

Site references

Address :

Postal code : Town : Country :

Contact 1

Contact type :

Civility :

Name :

First name :

Remark :

Tel. 1 :

Tel. 2 :

FAX :

E-Mail :

Estimated weight (kg)

Assembled : Cut and bent : Cut Length :

Coefficients for weight Increase (%)

Assembled : Cut and bent : Cut Length :

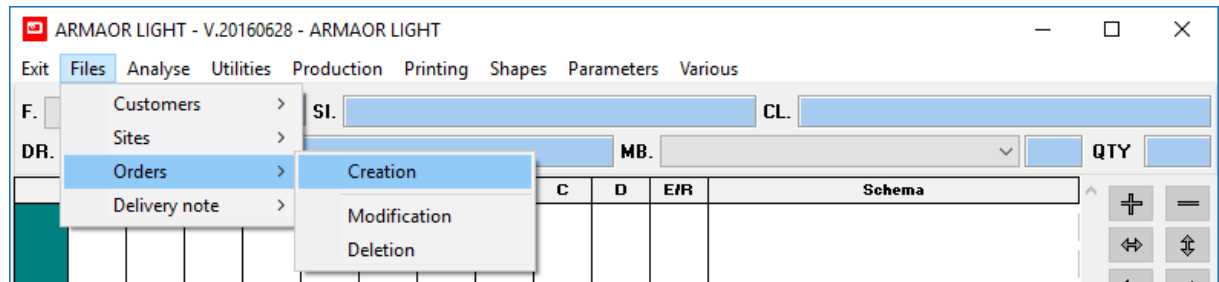
General Data **Deliveries** **Notes** **Members**

The customer to which the site is linked can be defined entering a code or searching him in a list thru the list button **(3)**.

Once you have entered all the information, you have to « Save » then « Exit ».

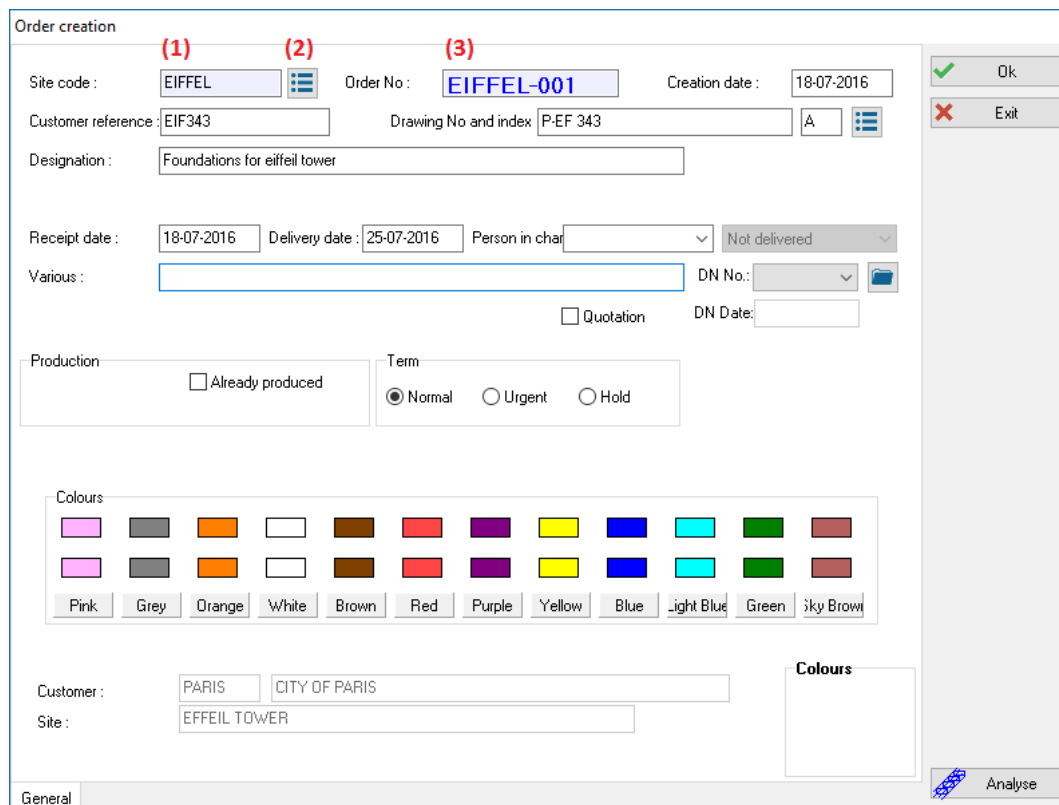
4- Order creation

Menu: File > Order > Creation



At least, you create the corresponding order(s) to the sites previously created. This order is linked to a drawing.

The order number is composed of the site code plus a number incremented automatically. Ideally, an order should include the steel of one delivery.



Order creation

(1) Site code : EIFFEL (2) Order No : EIFFEL-001 (3) Creation date : 18-07-2016

Customer reference : EIF343 Drawing No and index : P-EF 343 A

Designation : Foundations for eiffel tower

Receipt date : 18-07-2016 Delivery date : 25-07-2016 Person in charge : Not delivered

Various : DN No. : DN Date :

☐ Quotation

Production ☐ Already produced Term ☒ Normal ☐ Urgent ☐ Hold

Colours

Pink Grey Orange White Brown Red Purple Yellow Blue Light Blue Green Sky Brown

Customer : PARIS CITY OF PARIS

Site : EIFFEL TOWER

General Analyse

Enter the site code (1) or select it in a list (2). You will see the order code automatically appear (3). Click on « Ok » to finish the data entering .

II. Fast and controlled analysis

1- Open the analysis

You can only start analysing when the previous information phase has been done.
It is possible to access the analysis screen directly after having created the **order sheet** clicking on the button “**Analyse**” on bottom right analysis sheet.

Order creation

Site code : Order No : Creation date :

Customer reference : Drawing No and index : A

Designation :

Receipt date : Delivery date : Person in charge : Not delivered

Various : DN No. : DN Date :

☐ Quotation

Production : ☐ Already produced

Term : ☒ Normal ☐ Urgent ☐ Hold

Colours :

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pink	Grey	Orange	White	Brown	Red	Purple	Yellow	Blue	Light Blue	Green	Dark Brown

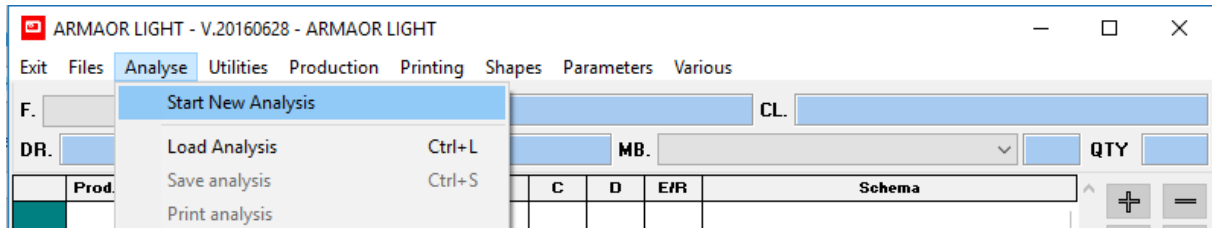
Customer :

Site :

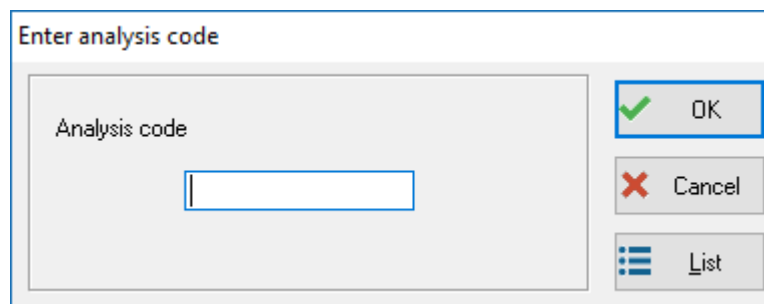
Colours

It is also possible to access the analysis screen using a more classic path.
You first create an order then you start the corresponding analysis.

Menu: Analyse > Start a new analysis



The following window appears:



You can enter the analysis code, for example EIFFEL-001 or search it in the order list which have not been yet analysed clicking on the « List » button. The following window opens.:



ARIADIS
Le Magellan - 470, avenue Augustin Fresnel
13857 AIX EN PROVENCE Cedex 3 - FRANCE
T +33 (0)4 42 90 40 70 - F +33 (0)4 42 90 40 71
commercial@ariadis.fr

ORDERS LIST

Code	Site	Date	DN	Tag	Prod
EIFFEL-001	EFFEIL TOWER	18-07-2016	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Customer : Site : Look for : **1 Analysis**
☒ With closed customer ☒ With closed sites Research on :

Select the order and validate your choice by clicking on Ok.

It appears the following window with the chosen order code.

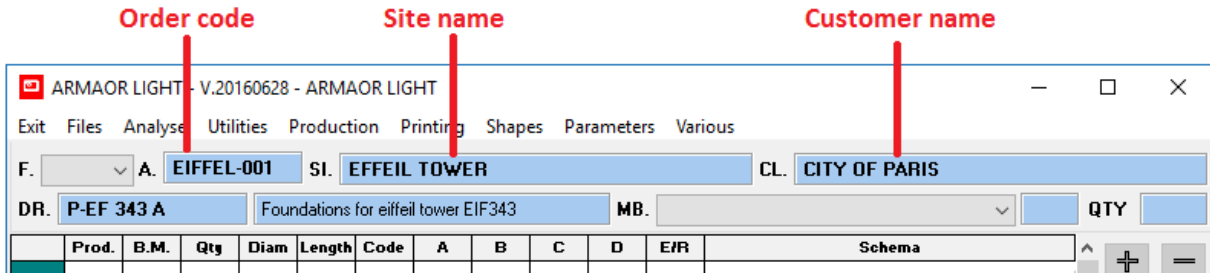
Enter analysis code

Analysis code

Check that the order code matches the one wanted then validate clicking on OK



At least it appears the following analysis screen with the previous entered information:



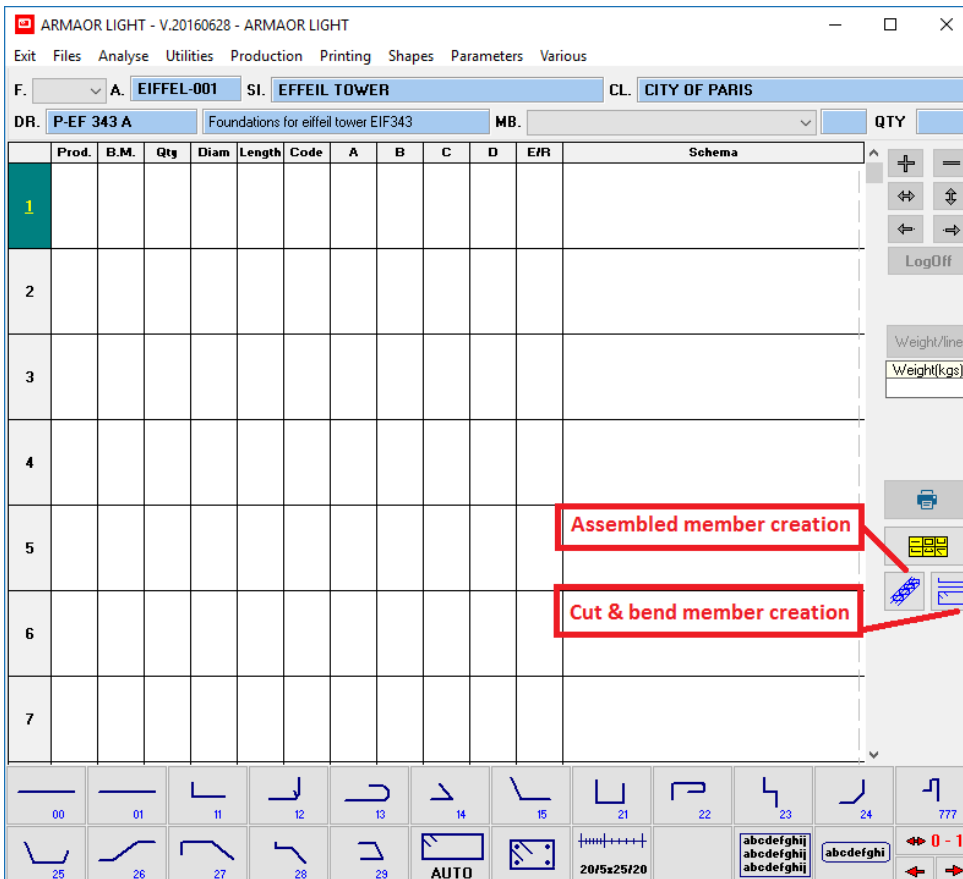
Order code: EIFFEL-001
Site name: EFFEIL TOWER
Customer name: CITY OF PARIS

DR. P-EF 343 A Foundations for eiffel tower EIF343 MB. QTY

Prod.	B.M.	Qty	Diam	Length	Code	A	B	C	D	E/R	Schema

2- Create a cut and bend or assembled member

The analysis part consists in entering the specific data of each member. When entering the data, you first have to choose the member type to create: a cut and bend member or an assembled member



ARMAOR LIGHT - V.20160628 - ARMAOR LIGHT

Exit Files Analyse Utilities Production Printing Shapes Parameters Various

F. A. EIFFEL-001 SI. EFFEIL TOWER CL. CITY OF PARIS

DR. P-EF 343 A Foundations for eiffel tower EIF343 MB. QTY

	Prod.	B.M.	Qty	Diam	Length	Code	A	B	C	D	E/R	Schema
1												
2												
3												
4												
5												
6												
7												

Assembled member creation

Cut & bend member creation

Weight/line
Weight(kgs)

00 01 11 12 13 14 15 21 22 23 24 777

25 26 27 28 29 AUTO 2075x25720 abcdefghij abcdefghij abcdefghij 0 - 1



By clicking on one of those two buttons, you obtain the following window with the chosen member type:

Enter Member

Member name : (1)

WALL A-1

Quantity : 5 (2) tags number : 5 Copy number : 1

Member qty on tag : 1 /Tag

Bar mark

☒ Enter manually
☐ Auto numeric
☐ Auto. Alphabetical
☐ Disabled. (3)

Member type

☐ Assembled

☒ Cut and bent (4)

☐ Cut length

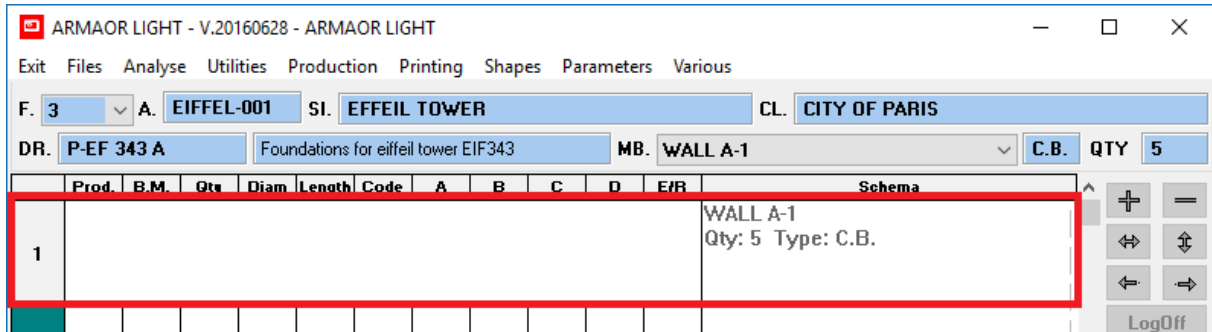
(1) : Enter the member name

(2) : Enter the wished member quantity as well as the corresponding tag number

(3) : Choose the barmark entering mode. The barmark is the bar reference on the steel drawing.

(4) : The member type is automatically selected when you click on one of the two previous buttons.

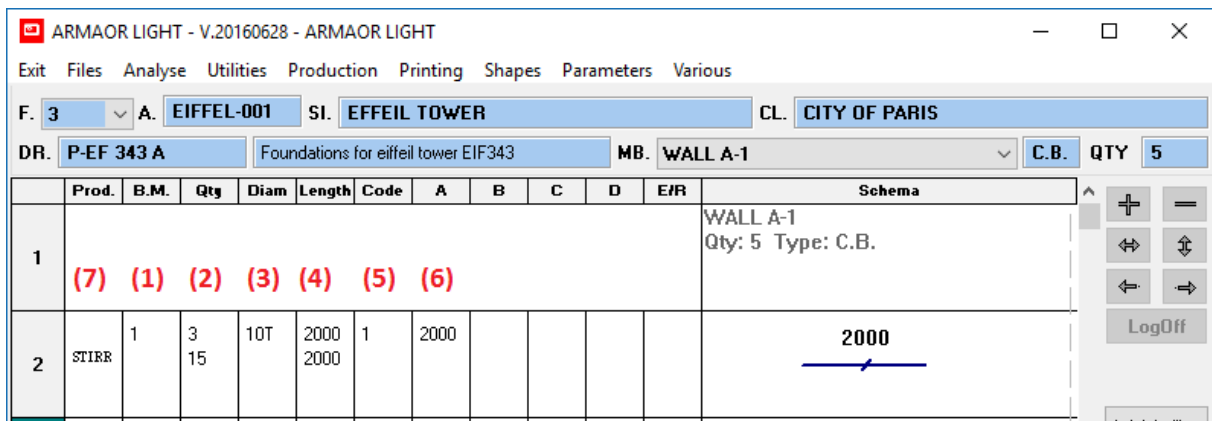
Once the member is created, you validate clicking on OK. You obtain on the screen the entered data during member creation.



3- Steel bar entering

The following data will be entered from the place where the cursor blinks.

Each member is composed with a piece list where are chronologically entered the following information:



- (1) The barmark on the drawing (column **BM**). Once entered the bar mark, type on « **Entry** » to validate and go the next column.
- (2) The quantity (column **Qty**). Once the wished quantity entered, type on « **Entry** » to validate. A second value appears in that column. It deals with the bars total number for the whole member. In our example, 5 members x 3 bars by member = 15 bars.
- (3) The steel diameter used (column **Diam**). Once the diameter entered, type on « **Entry** » to validate.
- (4) Shape length
- (5) The selected shape among the ones proposed on the various tables (column **Code**). Once the wished shape code entered, type on « **Entry** » to validate and have the corresponding schema appeared. You can also click on the shape on the table.
- (5) The various shape quotations (column **Schema**). Once the necessary quotation entered, type on « **Entry** » to validate and go the next line
- (6) The bar length (column **Length**). Two lengths appear. The first one corresponds to the commercial length and the second one to the cutting length:

$$\text{Cutting length} = \text{Commercial length} - \text{bending gain}$$

(7) The fabrication (column ***Prod.***) is automatically selected when the data entering is finished. Two values appear. The first one corresponds to the former diameter (if the bar has to be bent), and the second one corresponds to the machines to use.

A right click on the machine name allows to choose the desired machine(s) to produce the bar. For instance, you can choose a shear line and a bending machine, or a stirrup machine.

1											Qty: 5 Type: C.B.	
2	STIRR	1	3	10T	2000	1	2000					2000
			15		2000							
3	<div>SHEARLINE STIRRUP MACHINE</div>											

To change the former, enough clicking with the mouse left button on the existing former then entering the one wanted.

[illegible]

To change the quantity, the diameter or the shape code, you do the same thing that the former.

When the first bar information entering is over, the cursor goes directly to the next line. It is thus possible to enter the analysis without taking the mouse again.

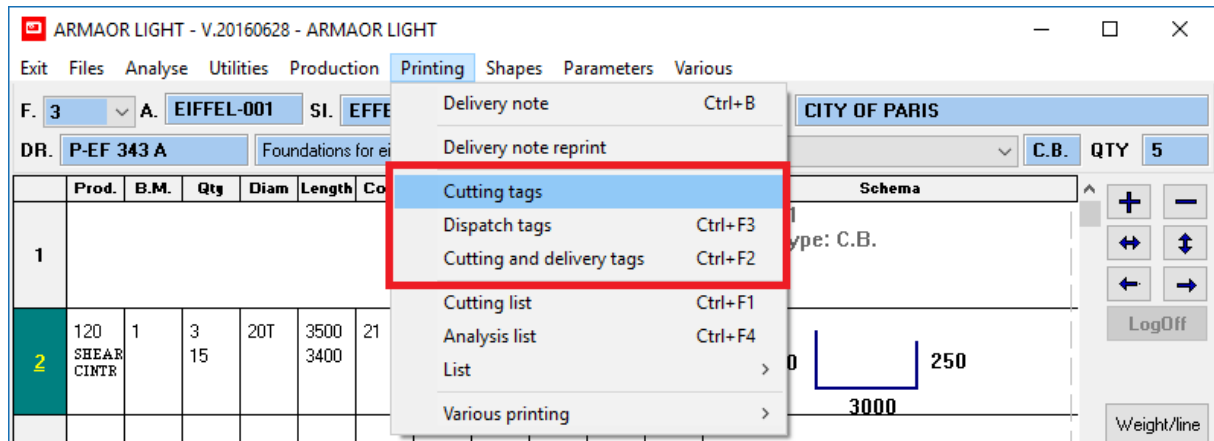
Once all the member bars entered, you can create a new member the same way you did before.

Once all the bars are entered, you have to save the analysis.

To save the analysis in progress, go in the menu « **Analysis** » then « **Save analysis** ».

III. Tags printing

Menu: Printing > Cutting tags, delivery tags or both



The cutting tags identify the bars to produce.

The dispatch / delivery tags are fixed on the finished and ready to deliver members.

The following window appears:



Enter the order code or search it thru the « list » button .

[illegible]

The « Print » button directly prints the tags.

The « Preview » button allows to see the result before printing.

The « Parameters » button allow to define the selection criteria.

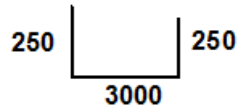
The « Add » button allows to add a second order (or more) to print all the tags together.

The « Reprint » button allows to print again only a part of the tags



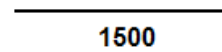
ARIADIS
 Le Magellan - 470, avenue Augustin Fresnel
 13857 AIX EN PROVENCE Cedex 3 - FRANCE
 T +33 (0)4 42 90 40 70 - F +33 (0)4 42 90 40 71
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CITY OF PARIS
EFFEIL TOWER
WALL A-1:15
 Foundations for eiffel tower



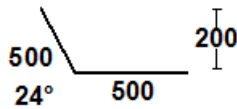
EIFFEL-001¹
C.B.
 SHEACINTR
 MD: 120
 Rep: 1
 P-EF 343 A
 Diam: 20 T
 Qté: 15
 Long: 3400

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CITY OF PARIS
EFFEIL TOWER
WALL A-1:15
 Foundations for eiffel tower



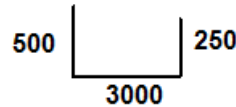
EIFFEL-001²
C.B.
 SHEAR
 MD:
 Rep: 1
 P-EF 343 A
 Diam: 20 T
 Qté: 15
 Long: 1500

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CITY OF PARIS
EFFEIL TOWER
WALL A-1:15
 Foundations for eiffel tower



EIFFEL-001³
C.B.
 SHEACINTR
 MD: 120
 Rep: 1
 P-EF 343 A
 Diam: 20 T
 Qté: 15
 Long: 995

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CITY OF PARIS
EFFEIL TOWER
WALL A-1:15
 Foundations for eiffel tower

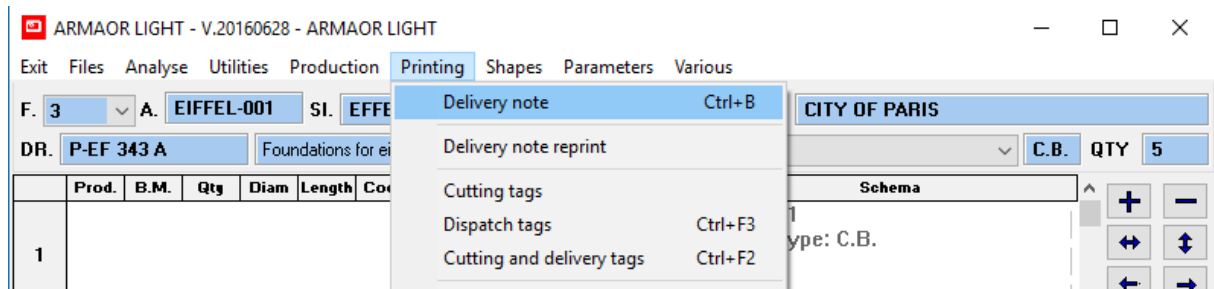


EIFFEL-001⁴
C.B.
 SHEACINTR
 MD: 256
 Rep: 1
 P-EF 343 A
 Diam: 32 T
 Qté: 15
 Long: 3562



IV. Delivery note printing

Menu: Printing > Delivery note



After having selected the wanted analysis code, you will get the following screen :

Delivery note printing

Forms and members selection

Code	Form	Yes	No
EIFFEL-001	3	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Selected forms: 1 on 1

Y/N	Member	Un. Wgt	Qty	Delivered	To Div.
	Ana : EIFFEL-001 Page : 3				
	WALL A-1	25,893	5		5

Total weight: 129,47

Weight to deliver: 129,47

☐ With generated products

Customer : PARIS CITY OF PARIS

Site : EIFFEL EFFEIL TOWER

Order No : EIFFEL-001

Foundations for eiffel tower

Drawing : P-EF 343 A

Date : 18-07-2016 Designation : Foundations for eiffel tower Remark :

Transport :

Driver/Tel : Truck no :

Buttons: Print, Preview, Parameters, Add, Cancel, DN No 1

Click on « Print » to print the DN, you will be then proposed to validate the DN.



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Le Magellan - 470, avenue Augustin Fresnel
13857 AIX EN PROVENCE Cedex 3 - FRANCE

T +33 (0)4 42 90 40 70 - F +33 (0)4 42 90 40 71
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Delivery note 1607001

Delivery Note No. 1607001

ARIADIS
470 Avenue Augustin Fresnel
13857 Aix-en-Provence Cedex 3
Tel : 04 42 90 40 70
Fax : 04 42 90 40 71

CITY OF PARIS
EFFEIL TOWER

CODE	Drawing	Cust. Order Ref.
EIFFEL-001	P-EF 343 A	EIF343
Colour	Estimated Delivery date	
	25-07-2016	
Object		
Foundations for eiffel tower		

Aix-en-Provence Cedex 3 lundi 18 juillet 2016 Page 1

N° : EIFFEL-001 Plan : P-EF 343 A
Foundations for eiffel tower
5 WALL A-1

15 20T 250 250
Rep.: 1 2000

Coupé façonné DM: 20,00

Cut and bent 129 Kg

Transporteur :
Camion :
Chauffeur :

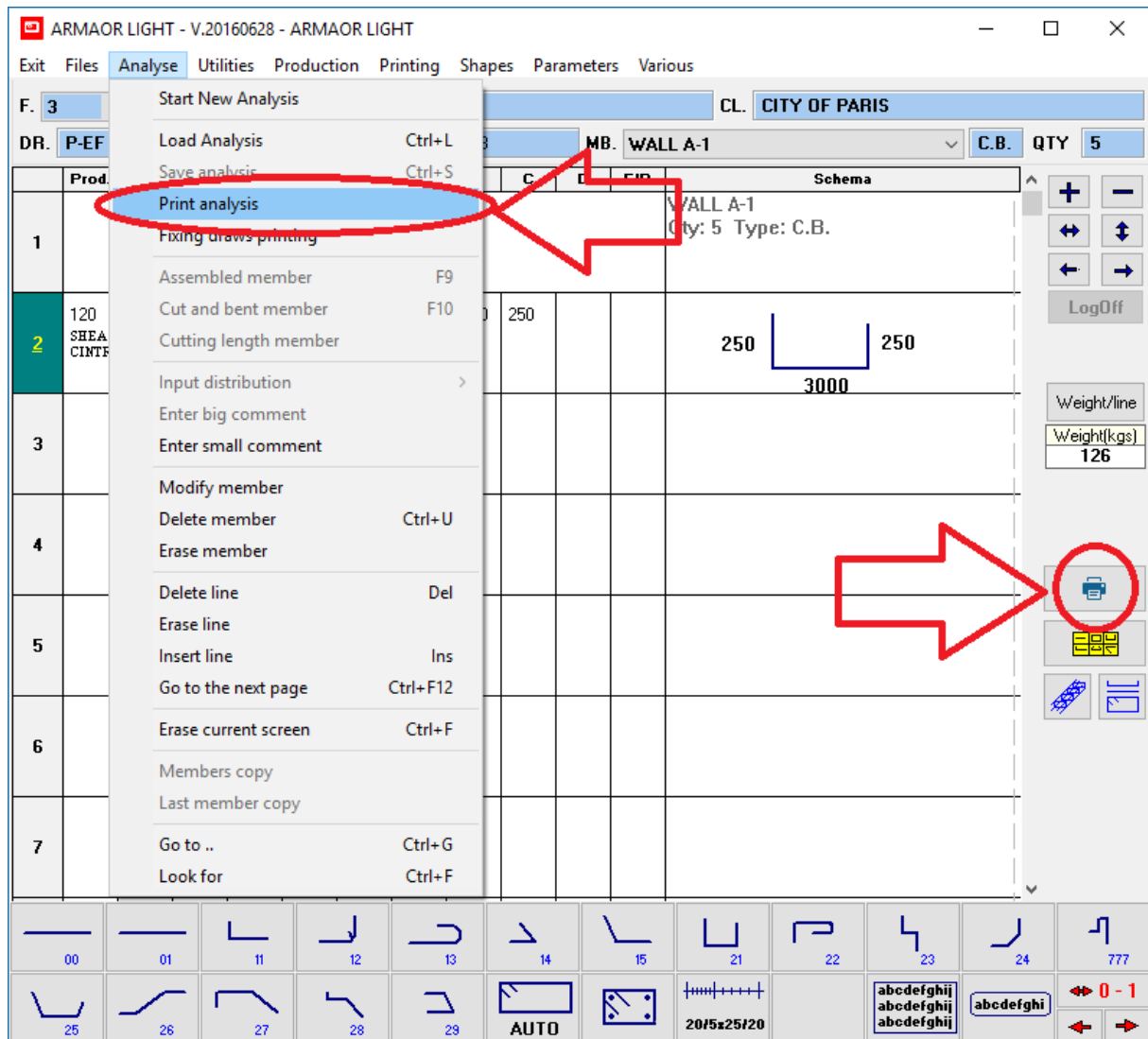
Date :
Signature

Zoom
Page 1/1

Close



V. Analysis printing



The analysis printing can be done in the menu « Print analysis » or by the right screen shortcut button.



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Analysis form EIFFEL-001

EIFFEL-001

CITY OF PARIS

EIFFEL TOWER

Sheet : 1

Drawing : P-EF 343 Foundations for eiffel tower

F: 3

WALL A-1					NOMBRE	5	PU 111,07	DM: 25,20	555,36 Kg C.B.
----------	--	--	--	--	--------	---	-----------	-----------	-------------------

WALL A-1

3400

1

5

3

15

20T

250

3000

250

WALL A-1

1500

1

5

3

15

20T

1500

WALL A-1

995

1

5

3

15

20T

500

24°

500

200

WALL A-1

3562

1

5

3

15

32T

500

3000

250

Zoom

Page 1/1

Send to

Close





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Menu: Print > Cutting list

[illegible]



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 13857 AIX EN PROVENCE Cedex 3 - FRANCE
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Cutting list EIFFEL-001

Customer : PARIS CITY OF PARIS Site : EIFFEL EFFEIL TOWER Drawing : P-EF 343 A Foundations for eiffell tower					EIFFEL-001 Delivery date : 25-07-2016				
#	Member	Qty	Diam	Length (mm)	Schema (mm)	Mach.	Fm	B.M.	Weight (kg)
00003	WALL A-1 (C.B.)	15 5 x 3	20T	995		SHEAR CINTR	120	1	36,81
00002		15 5 x 3	20T	1500		SHEAR	0	1	55,49
00001		15 5 x 3	20T	3400		SHEAR CINTR	120	1	125,77
00004		15 5 x 3	32T	3562		SHEAR CINTR	256	1	337,30
TOTAL :									555,37

Zoom
 Page 1/1
 Send to Close

VII. To go further

You will find the whole Armaor light help pressing F1 or going in the menu « *Various* > *Help* »,

You will find among others, the documentation for the creation of your own shape or for the fixing drawing.

