

Chapter 1

Basics

Ferrari Enzo replica body build

These plans show you how you can build a fiberglass body. You will have to see your local A.D.R approved engineer before constructing this vehicle. You will have to follow these steps in order to finish the project successfully:

As you are hand making the body it will always differ in size, so once you construct the body you will take measurements from the inside of the car and start on the frame.

The core material to make the body is going to be foam and 600g chop strand fiberglass mat with Polyurethane resin. There are two types of foam you can use:

1. Polyurethane = Cost $2.5\text{m} \times 1.2\text{m} \times 20\text{mm} = \50

2. Polystyrene = Cost $2.5\text{m} \times 1.2\text{m} \times 20\text{mm} = \6

There are drawbacks with both materials:

1. Polyurethane foam is expensive

2. Polystyrene foam can't be covered with polyurethane resin and has to be covered with expensive Epoxy resin.

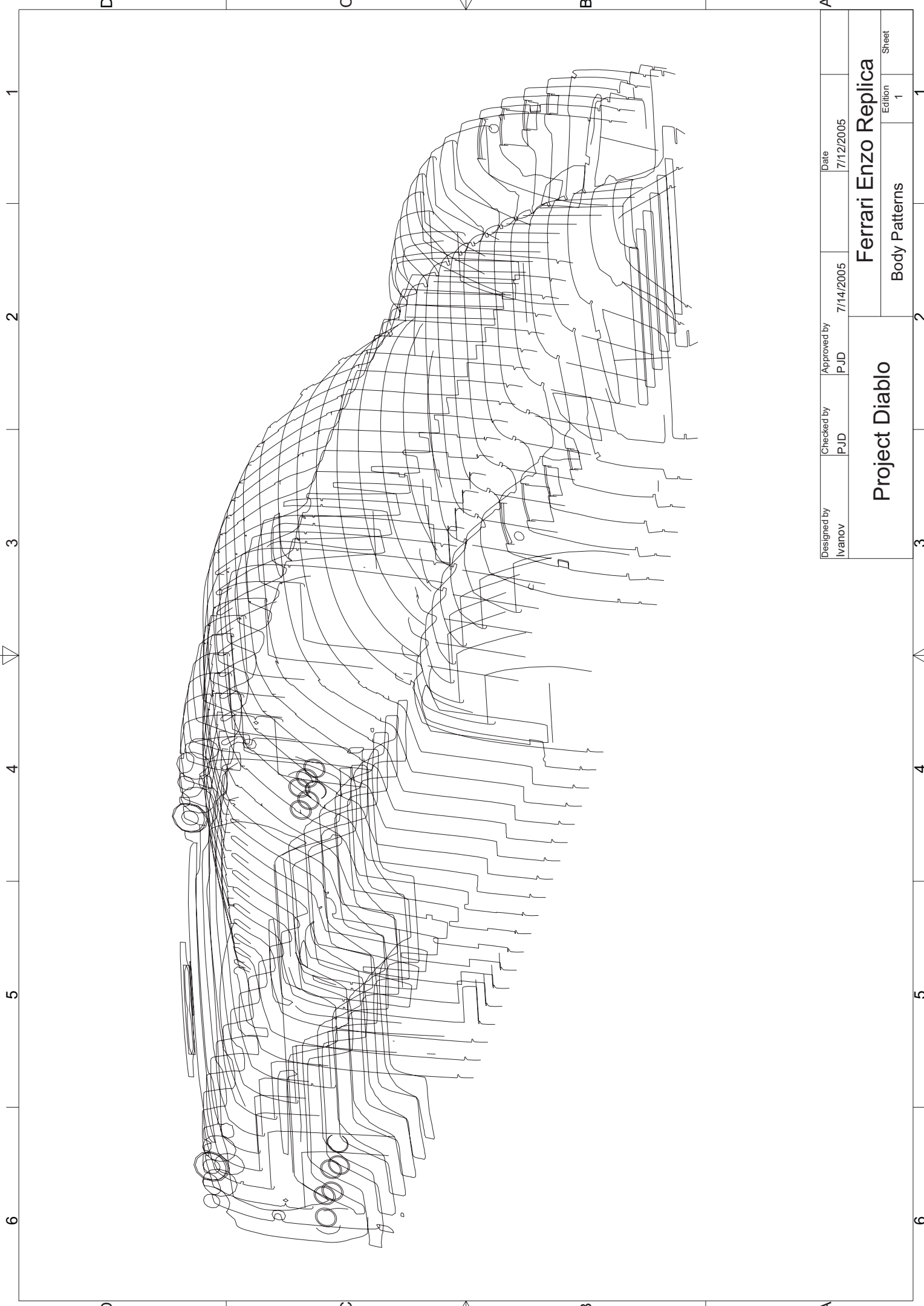
To make the project as cheap a possible we are going to be using Polystyrene. To get around the expensive Epoxy resin we will coat the body after we have shaped it with Plaster (normal wall plaster). This will not only save you money but also allow you to shape the body better before applying the resin and fiberglass. Like any other projects you may have done in the past it is very important to pay attention to detail. We strongly recommend you study pictures go to a library and hire out some books with the car illustrations and photos. Remember your project will only look as good as you want it to look.

You will need some sheets of foam $2.5\text{m} \times 1.2\text{m} \times 20\text{mm}$ to make the body formers. Print out the body

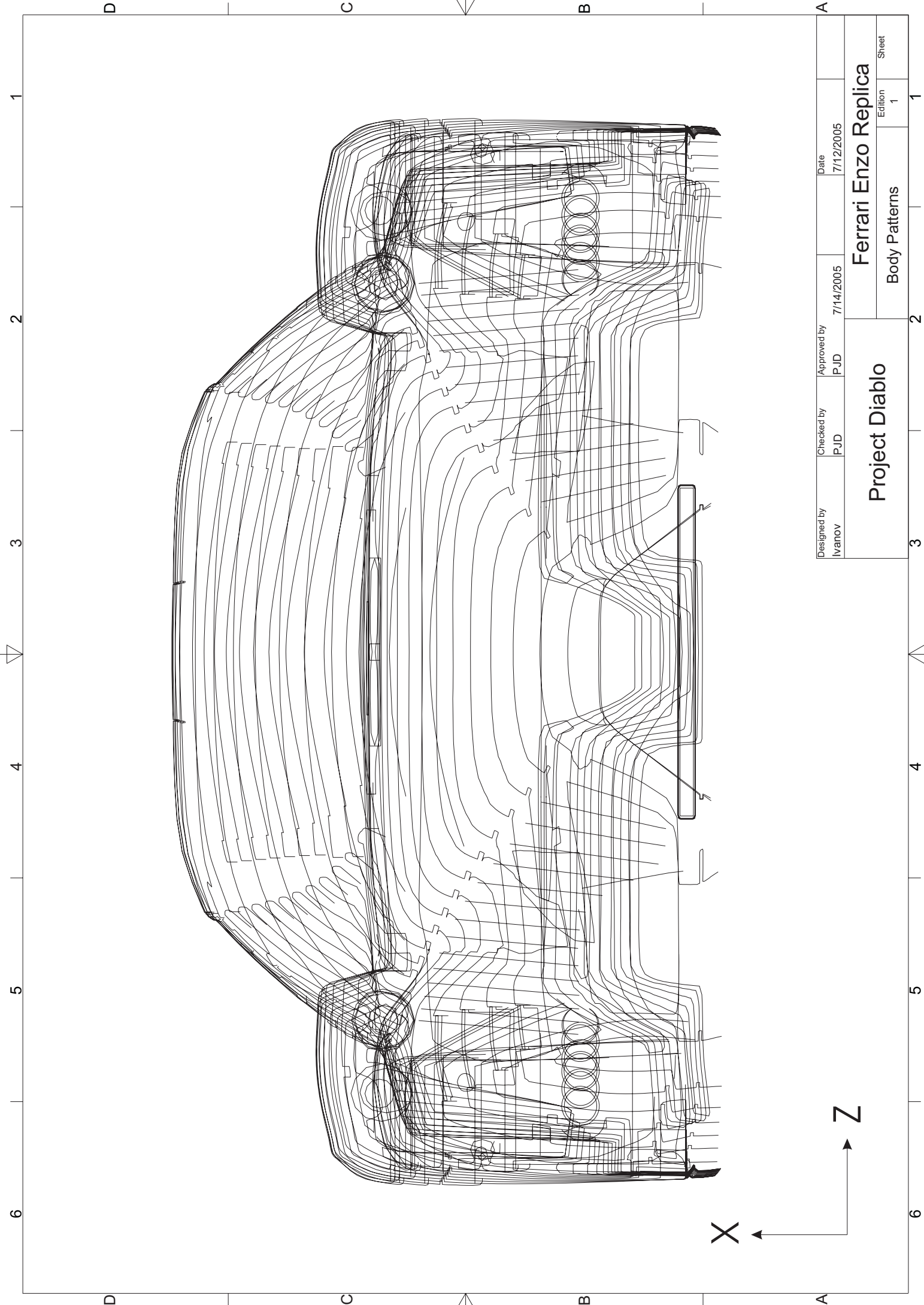
Chapter 2

Body Sections

P01-P47



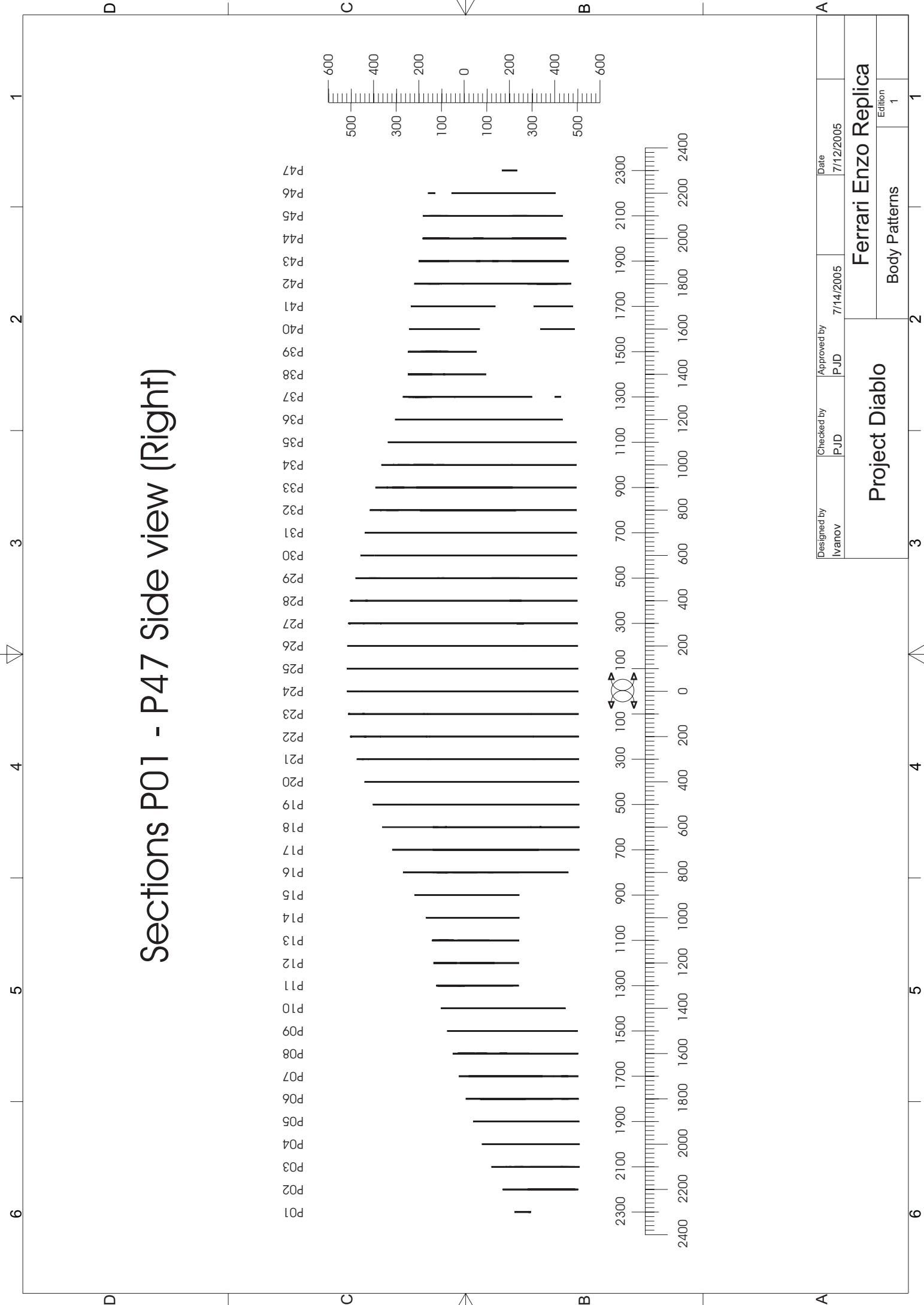
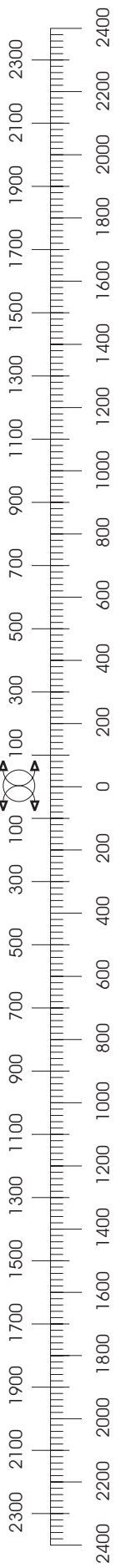
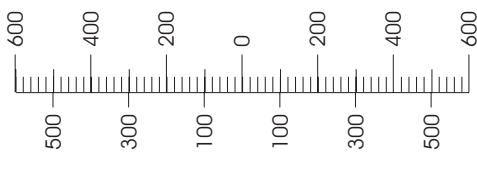
Designed by Ivanov	Checked by PJD	Approved by PJD	Date 7/12/2005
Project Diablo		Ferrari Enzo Replica	
Body Patterns		Edition 1	Sheet 1



Designed by Ivanov	Checked by PJD	Approved by PJD	Date 7/12/2005
Project Diablo		Ferrari Enzo Replica	
Body Patterns		Edition 1	Sheet 1

Sections P01 - P47 Side view (Right)

P01 P02 P03 P04 P05 P06 P07 P08 P09 P10 P11 P12 P13 P14 P15 P16 P17 P18 P19 P20 P21 P22 P23 P24 P25 P26 P27 P28 P29 P30 P31 P32 P33 P34 P35 P36 P37 P38 P39 P40 P41 P42 P43 P44 P45 P46 P47



Designed by Ivanov	Checked by PJD	Approved by PJD	Date 7/12/2005
Project Diablo		Ferrari Enzo Replica	
		Body Patterns	Edition 1

COORDINATES

Y axis

P01	2300
P02	2200
P03	2100
P04	2000
P05	1900
P06	1800
P07	1700
P08	1600
P09	1500
P10	1400
P11	1300
P12	1200
P13	1100
P14	1000
P15	900
P16	800
P17	700
P18	600
P19	500
P20	400
P21	300
P22	200
P23	100
P24	0
P25	-100
P26	-200
P27	-300
P28	-400
P29	-500
P30	-600
P31	-700
P32	-800
P33	-900
P34	-1000
P35	-1100
P36	-1200
P37	-1300
P38	-1400
P39	-1500
P40	-1600
P41	-1700
P42	-1800
P43	-1900
P44	-2000
P45	-2100
P46	-2200
P47	-2300

Note: All measures are in **millimeters** from middle section!
All drawings are scaled and printed in **1:10**

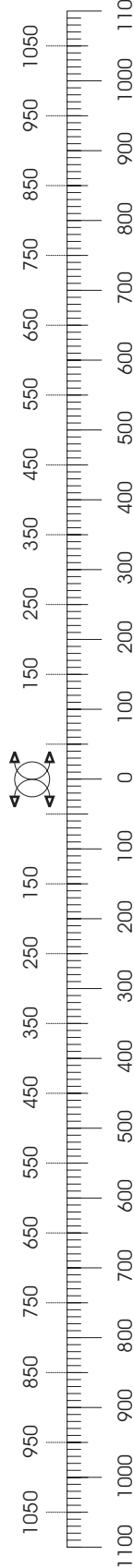
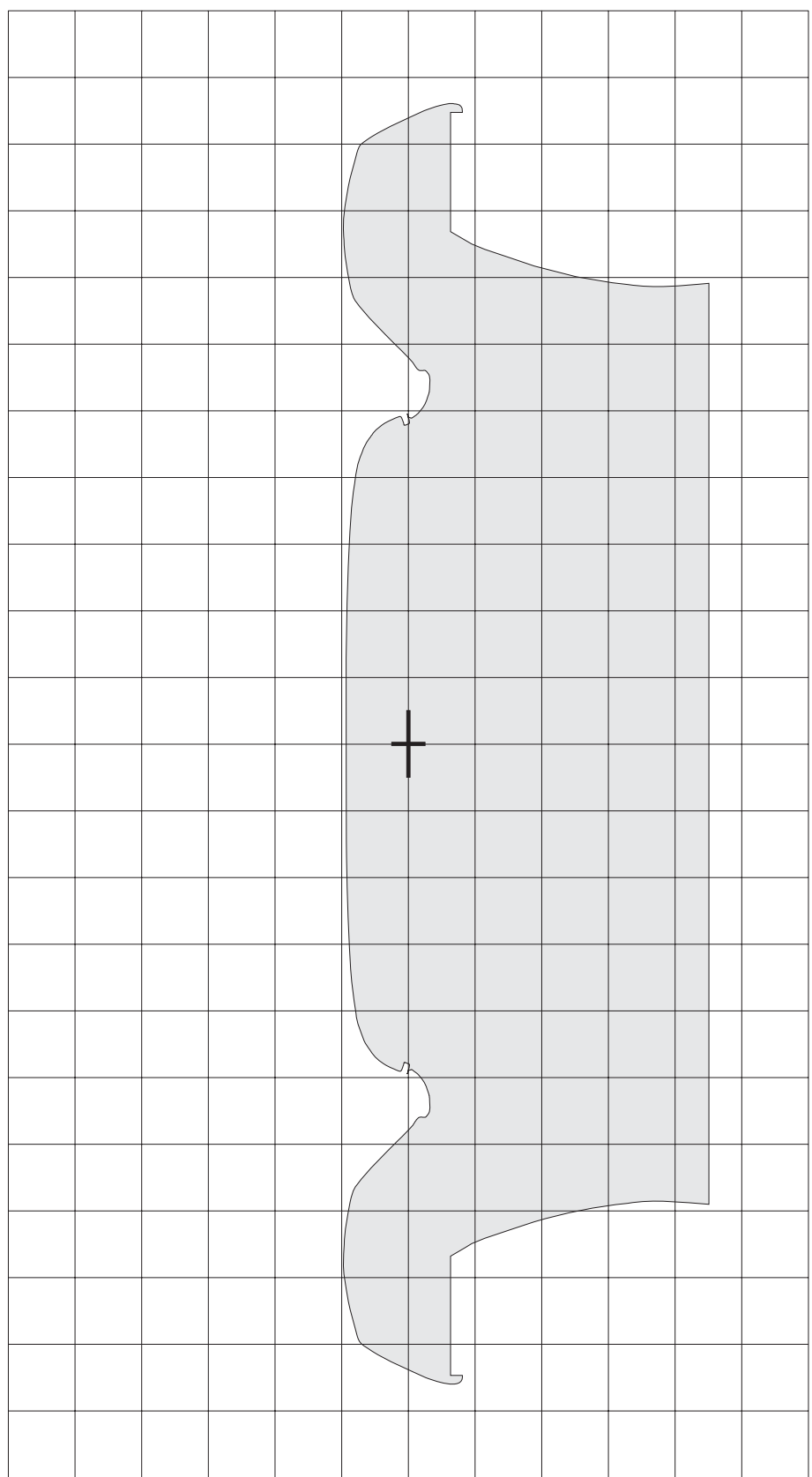
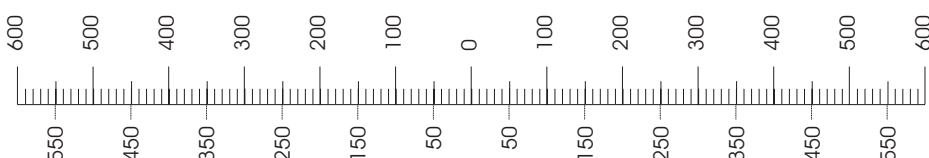
D

C

B

A

P10



D

C

B

A

1 2 3 4 5 6

1 2 3 4 5 6

Designed by Ivanov	Checked by PJD	Approved by PJD	Date 7/12/2005	1:10
-----------------------	-------------------	--------------------	-------------------	------

Project Diablo

Ferrari Enzo Replica

Body Patterns
Edition 1
Sheet 10/47

D

C

B

A

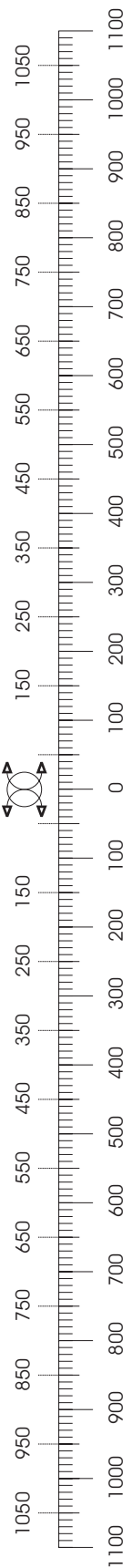
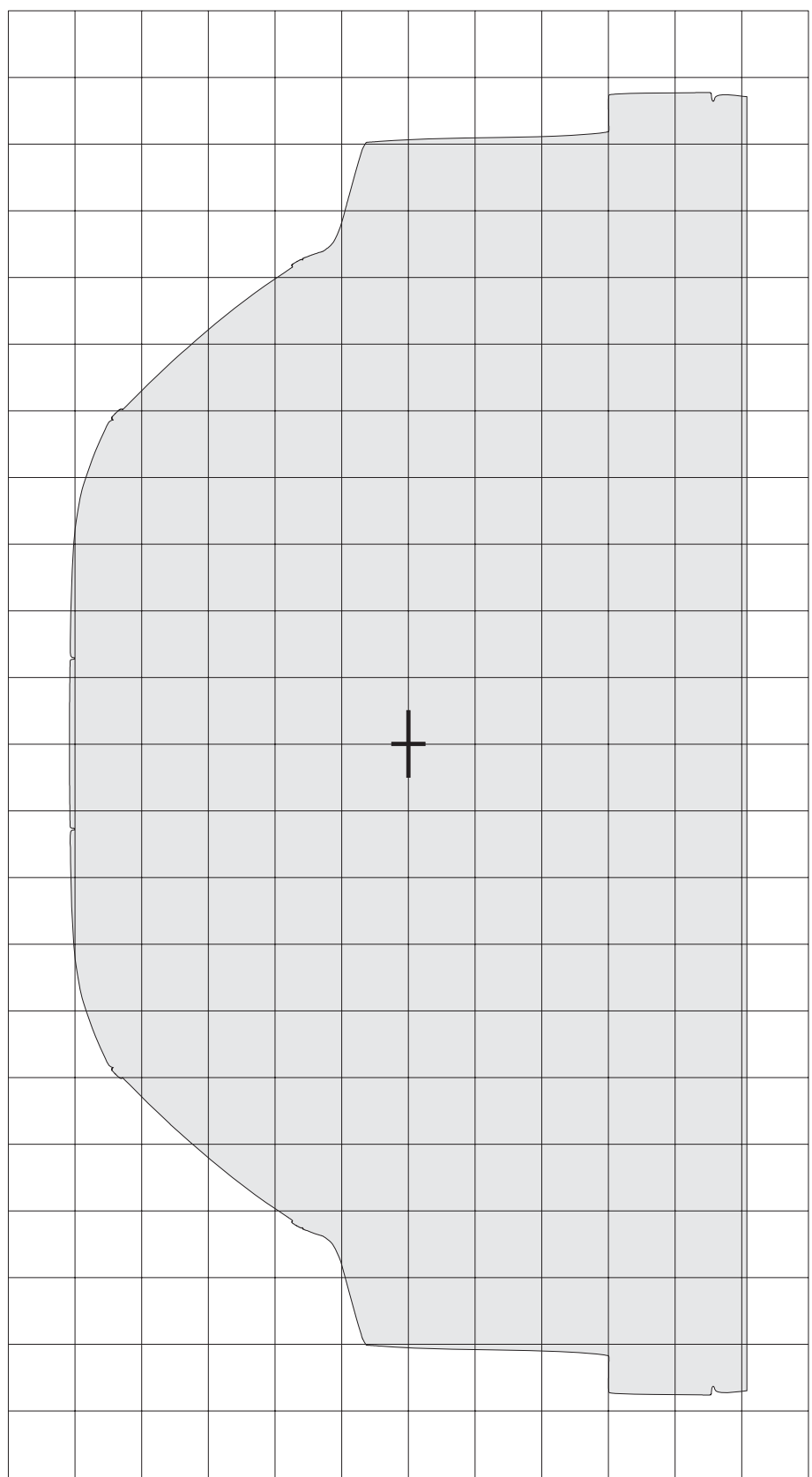
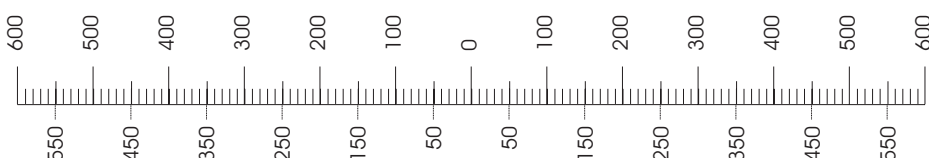
D

C

B

A

P23



1 2 3 4 5 6

1 2 3 4 5 6

Designed by Ivanov	Checked by PJD	Approved by PJD	Date 7/12/2005	1:10
-----------------------	-------------------	--------------------	-------------------	------

Project Diablo

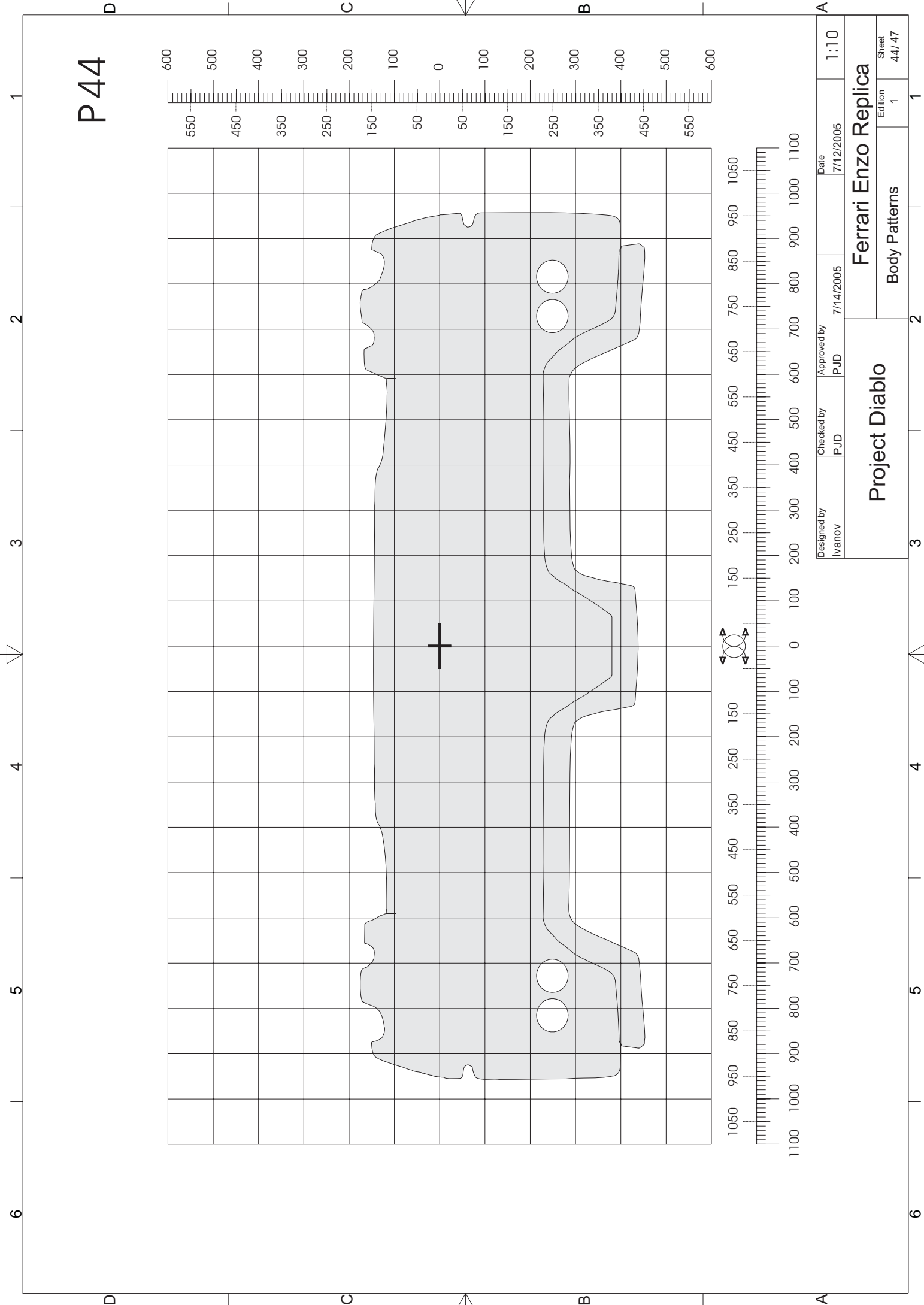
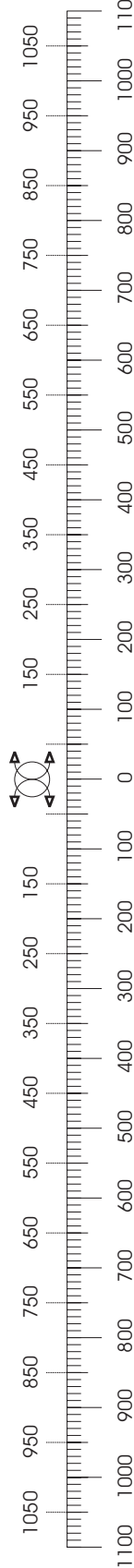
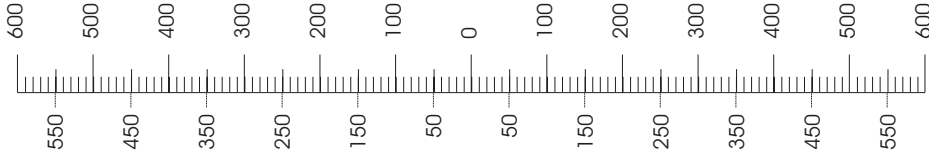
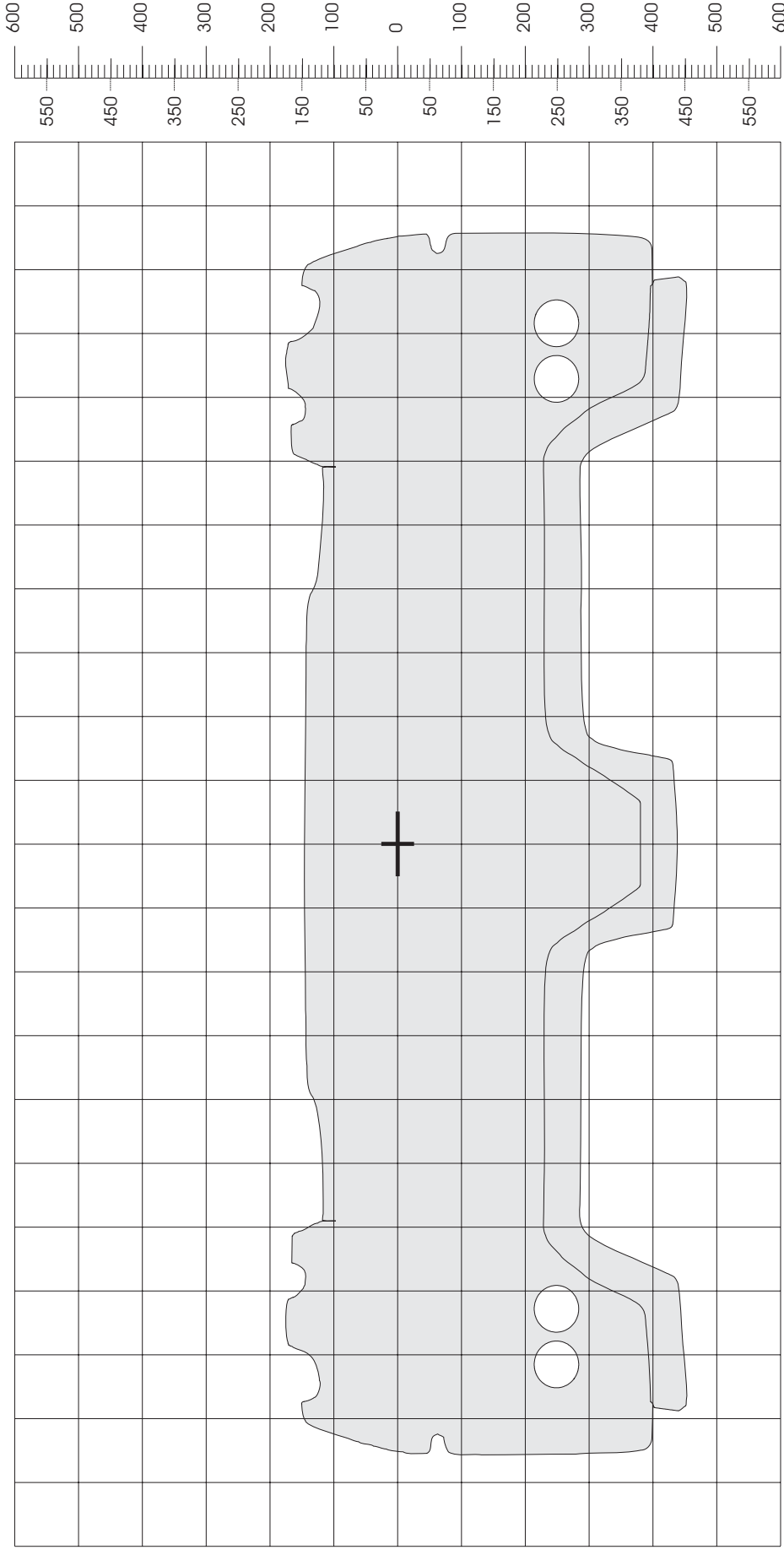
Ferrari Enzo Replica

Body Patterns

Edition
1

Sheet
23/47

P44



Designed by Ivanov	Checked by PJD	Approved by PJD	Date 7/12/2005	1:10
Project Diablo		Ferrari Enzo Replica		
Body Patterns		Edition 1	Sheet 44/47	1

Chapter 3

Body Sections

L01-L10

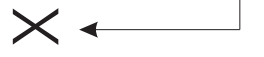
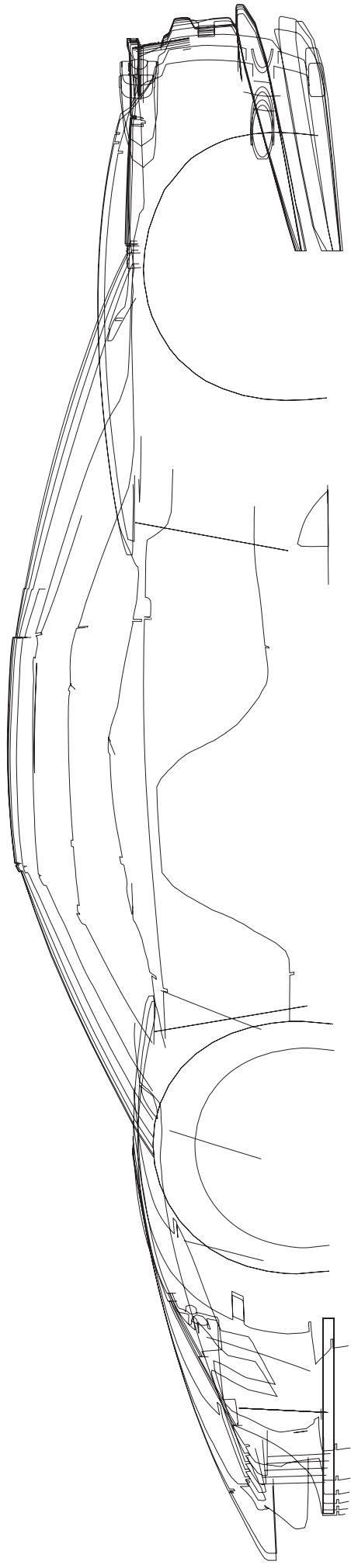
D

C

B

A

1 2 3 4 5 6



Designed by
Ivanov

Checked by
PJD

Approved by
PJD

Date
7/14/2005

Date
7/12/2005

Project Diablo

Ferrari Enzo Replica

Body Patterns

Edition
1

Sheet
1

D

C

B

A

6

5

4

3

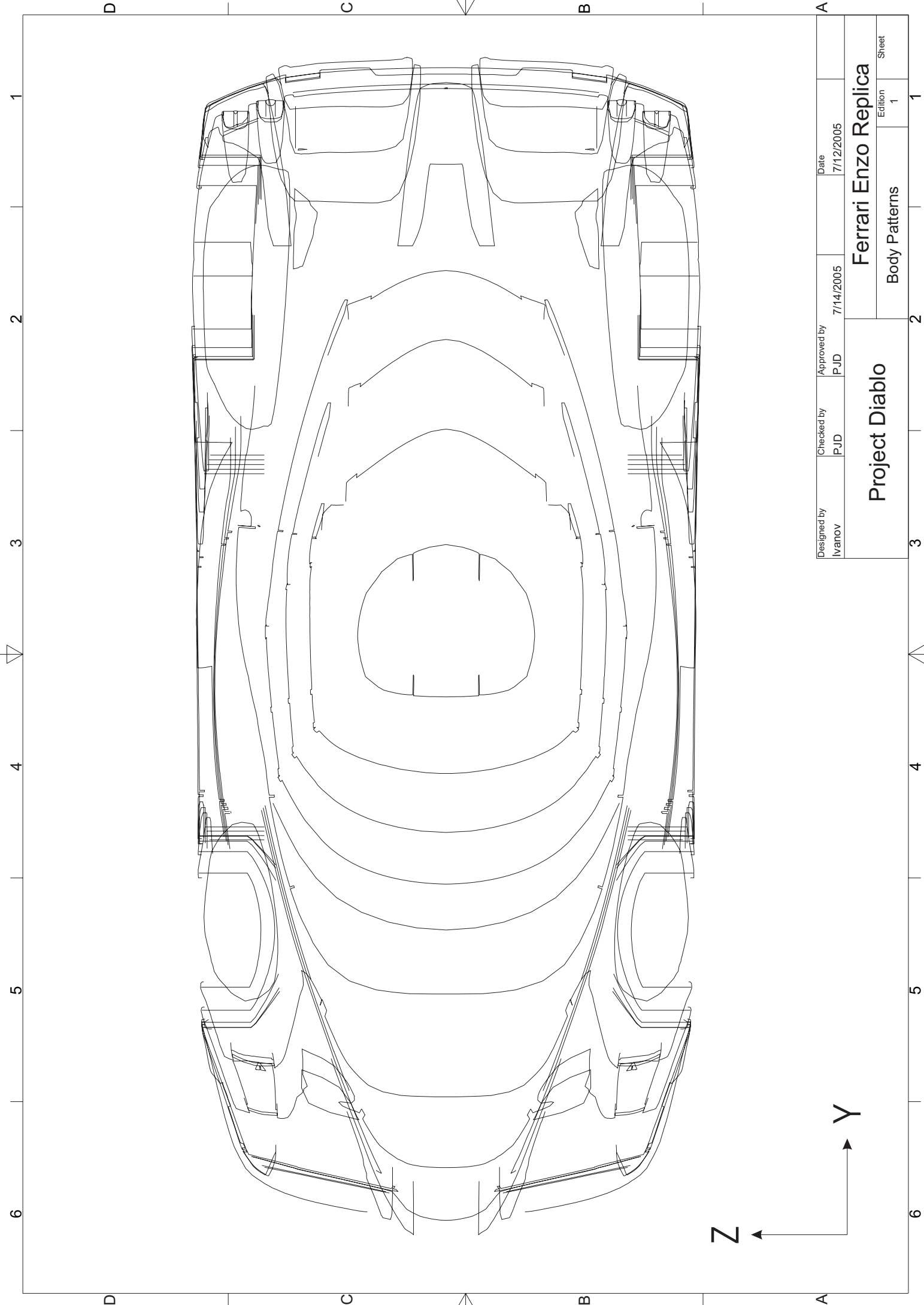
2

1

Chapter 4

Body Sections

H01-H11



Designed by Ivanov	Checked by PJD	Approved by PJD	Date 7/12/2005
Project Diablo		Ferrari Enzo Replica	
Body Patterns		Edition 1	Sheet 1