# Sketching and visual perception in conceptual design:

## Case studies of novice and expert architecture students (Annexes)

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A thesis submitted for the degree of Doctor of Philosophy

THE UNIVERSITY OF SHEFFIELD School of Architecture

December 2004

# Sketching and visual perception in conceptual design:

Case studies of novice and expert architecture students (Annexes)

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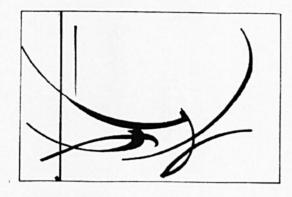
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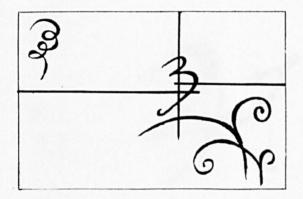
**Sketches pre-selected** 

### Sketching and visual perception in conceptual design Annex I – Sketches pre-selected

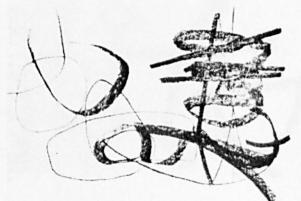
#### **Non-Architectural sketches**



Universos da Arte1983 - 3ed Fayga Ostrower pag. 36 n. 8

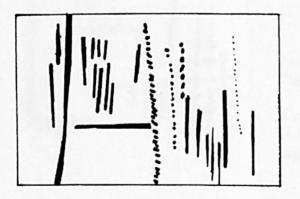


Universos da Arte1983 - 3ed Fayga Ostrower pag. 37 n. 8



Fritz Winter 1905

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### Sketching and visual perception in conceptual design Annex I – Sketches pre-selected



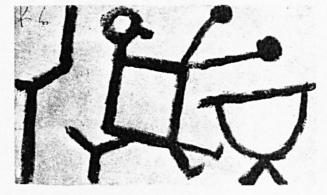
Pablo Picasso Study for Les Demoiselles d' Avignon 1907

Modern Art: Impressionism to Post-Modernism David Britt 1975 pag. 165



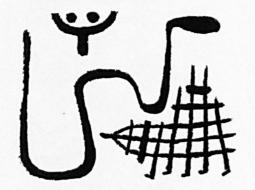
Jackson Pollock (1912-1956)

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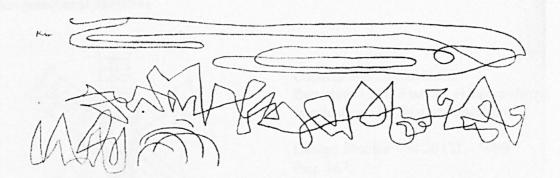
Paul Klee Amateur Drummer -1940

Klee: A study of his life and work G. Di San Lazzaro 1957 pag. 191



Paul Klee The Snake Goddess and her enemy -1940

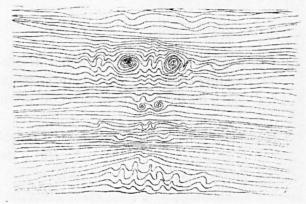
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Paul Klee – Cloud above trees -1934 Klee: A study of his life and work – G. Di San Lazzaro 1957 – pag. 144

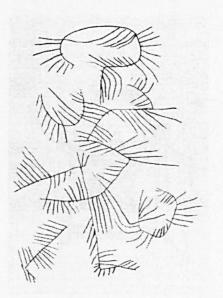


Paul Klee – Almost a figure - 1938 Klee: A study of his life and work G. Di San Lazzaro 1957 – pag. 188



Paul Klee - Double Island -1939

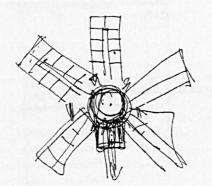
Klee: A study of his life and work G. Di San Lazzaro 1957 pag. 204



Paul Klee – Game on the water -1935

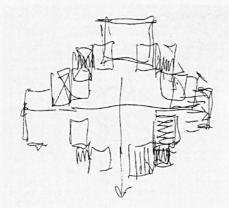
Klee: A study of his life and work G. Di San Lazzaro 1957 pag. 199

#### Architectural sketches



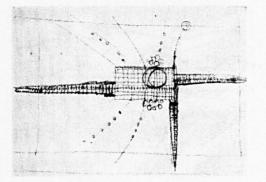
Casakin and Goldschmidt Expertise and the use of visual analogy: implications for design education.

Design Studies Vol 20 (2) – 1999 Pag. 167

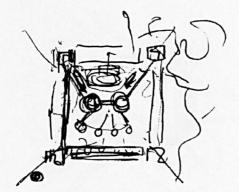


Casakin and Goldschmidt Expertise and the use of visual analogy: implications for design education

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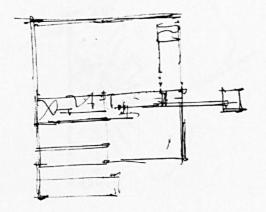


Ivan Leonidov: The complete works-1988 Andrei Leonidov and Andrei Gozak Pag. 100



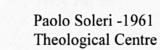
Louis Kahn Concept Study, University of Virginia Chemistry Building

Graphic Thinking for Architects and Designers Paul Laseau -1989 Pag. 106

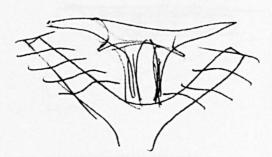


Mies van der Rohe Hubbe House Studies Floor plan 1935

The Mies van der Rohe Archive Arthur Drexler - 1986 – Vol 4 Pag. 453

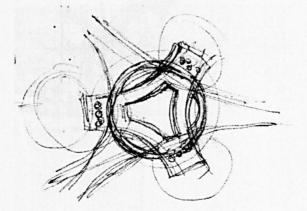


The sketchbooks of Paolo Soleri 1971 Pag. 103



Paolo Soleri -1961 Villages

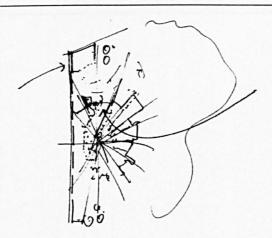
The sketchbooks of Paolo Soleri 1971 Pag. 109



Paolo Soleri 1961 Airport

The sketchbooks of Paolo Soleri 1971 Pag. 311

#### Sketching and visual perception in conceptual design Annex I – Sketches pre-selected



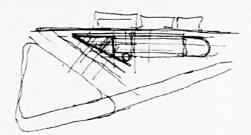
Renzo Piano Banca Popolare di Lodi -1991

Renzo Piano Building Workshop AU Pag. 136



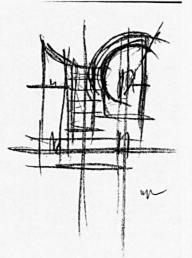
**Terry Farrell** 

Sketchbook of Terry Farrell and Partners 1998 Pag. 6



Mario Corea

Envisioning Architecture Fraser and Henmi -1994 Pag. 119



William Pedersen -1987

Why architects draw Edward Robbins 1997 Pag. 222



Material used during the experiment

Experiment n°

#### **EXPERIMENT ON PERCEIVING, REMEMBERING AND DESCRIBING**

University of Sheffield, School of Architecture – PhD Architecture – Alexandre Menezes – 2002

Name:		Age:
Profession:	· · · · · · · · · · · · · · · · · · ·	_ Date:
	EXPERIMENT N°:	
Tick the right option bellow:		
Subject A Subject B	Architect Architecture Student	t ( year ) 🔲 Non-architect

#### • General Instructions:

This is an experiment on Perceiving, Remembering and Describing. It will involve two subjects (Subject A and Subject B) and one experimenter. It is not a test and has no concern for right or wrong answers. You will be asked to use memory, creativity and analogies to describe (Subject A) and draw (Subject B) some abstract images. You cannot have visual communication during the task and cannot be interrupted by the experimenter. You have 10 minutes as time limit to conclude the task. The experiment will be recorder and at the end of the session you will be asked to review and talk about the experience, focusing in what you were thinking while describing and drawing.

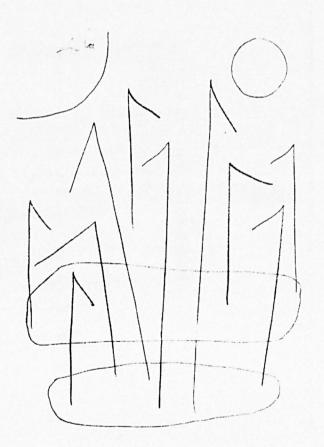
#### • Instructions to Subject A:

You will be given a series of two cards attached with theses instructions. The cards have on them sketches, made by recognized architects and/or artists. Look at each sketch and describe to the Subject B what you see on it. Subject B has to draw what he understood from your description. He cannot ask you questions to clarify any doubt. You have 10 minutes as time limit to conclude each description and must feel free to do it in your own way. When you have finished your description, give it to the experimenter as a sign for the next one. After all verbal descriptions to subject B, please draw what you remember of each of the sketches, without looking at the images. Please, be sure to write the experiment's number and the description's order in your drawing.

#### • Instructions to Subject B:

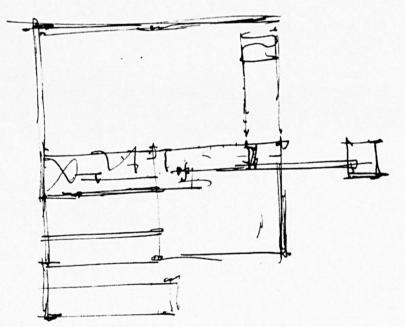
You will listen Subject A describing a sketch and you must draw what you understand from it. You cannot ask questions to Subject A, at any time, to draw the image. You have 10 minutes as time limit to conclude each drawing and must feel free to do it in your own way. When you have finished the drawing, give it to the experimenter as a sign for the next one. Please, be sure to write the experiment's number and the description's order in your drawing.

EXPERIMENT ON PERCEIVING, REMEMBERING AND DESCRIBING University of Sheffield – School of Architecture - PhD Architecture – Alexandre Menezes – 2002



Experiment n° \_\_\_\_\_

Description n<sup>o</sup>



Experiment n°

Description n°



**Descriptions** 

#### 1 - FIRST YEAR GROUP - SESSION 1

#### FIRST YEAR 1 - Description 01 (Non-architectural sketch)

Draw a sheet of A4, rectangular paper portrait format. Towards the bottom are two sausages, longs ovals. One on top of each other with a gap between them. Top right corner is a circle top left corner a sort of a quarter of the circle, cutting the corner of the page. That's all. Coming up of the ovals are bars. Lines with half arrow on it. One is coming up outside of the upper right hand side of that oval with the left head hand, if you know what I mean. Like a seven, slightly on its side. This has a left hand head. Another, further along with head going to the right side. Along two-thirds the way across from the right the same thing, one in the side of other one. Backwards a seven again. There is another one on the bottom oval. Big one facing the other way. Two big ones next each other, about one third of way to the right. Another big one near to the circle. In the top right corner with left head. In the end of the ovals is a left hand one. A sort of half arrows with the left hand side of the arrows. It looks likes a face, two eyes, two lips. I think, I hope. Like a flag or something, golf flag.

#### FIRST YEAR 1 - Description 02 (Architectural sketch)

A large square divided in half horizontally. Bottom section divided half again vertically. Left hand bottom small section is divided into thirds horizontally with double lines a few millimetres apart. Top third of that one has a sort of an eight on its side. There's a horizontal line third of the way up that top third. Then a squiggle above that line taking up most of the rest of it. A bit like the M missing leg on the left. The right hand bottom square about a quarter away from the top of it. That's a small rectangle about a ten the way. Gap on the left quarter gap on the right. That's a little sort of shaft running parallel outside of the rectangle sticking out of the whole square, out of the drawing. A little square on the end of it. In the top half of big square, on right, is another little rectangle. It's like a plan of a room, so looks like a bed. A little rectangle about a six of the way up vertical. The top of big square, through it, at the bottom of the picture there is another horizontal rectangle about the same... than... The half square at the bottom about a quarter of the high of the small square, below the big square attached very left, so parallel the left hand side of the big square. Two lines a little wall. I think. In the bottom left of the two small squares, into the big square divided into thirds, the line dividing between the top third and the middle third, horizontal line just out about third length of the big square. In the end of that there is a vertical line. Rectangle across, through that there is a horizontal line. Curve in the end up side down. On that left hand side of the cross, a little face. Two eyes and a nose a little moustache. It's like an umbrella handle just touching the middle line. Umbrella handle, a little face. There's a little, half way down big square on right, there's a tiny blob. Like D just attached on the side, running along with the line that divides it in half horizontally, little square. So that's a sketchy style, scribbled lines here and there.

#### FIRST YEAR 1 - Review

- A That looks like a room... more 'dramatical' shapes... easier to describe... I think.
- B Definitely easier to describe...
- A That one hard to describe, like sevens going up... You didn't...
- B I didn't understand it. Completely lost... I got the circle up there...
- A Looks like a face. Two eyes, two lips... I'd tried that

- B If able to ask questions would be much easier...
- A Trick to describe those vertical lines...
- B Has something about golf flags...
- A Like sevens...
- A That was easier to describe, measurable things, blocks...

B – That one had blocks and that lines, random lines from different places, really hard to fit them...

Non-Architectural sketch: Hard to describe. Like sevens going up. Trick to describe those vertical lines

Architectural sketch: Easier to describe: more dramatical shapes, measurable things, blocks.

#### 2 - FIRST YEAR GROUP – SESSION 2

#### FIRST YEAR 2 - Description 01 (Architectural sketch)

It's a plan drawing. A rectangle to just start with. Draw a line S 1/8 of the way down. Side to side, split it in half. Not long ways but width ways. Under the second half split rectangles into two squares and below that is another square that comes half way down from the second rectangle. It's really difficult...oh God. At the bottom of the square you just draw, extend the line across so it looks like another segment. Just like a rectangle. So it runs from one side to the other width ways. By doing that line, you have created another box effectively and now wants to split into thirds width ways across. Below the square you have just drawn and split in thirds, you need to draw two rectangles the same width and lengths as the third above it. Oh God. Draw a line out from one of the squares. Extending the perimeter of the rectangle. Subject B has asked to start again. Draw a rectangle. Split it in half width ways. You now have two rectangles. Bottom rectangle split into two squares length ways. You now have a rectangle split into thirds length ways. So you have three long rectangles. Put two more rectangles the same length and width as the ones above it. Subject B has asked to start again. Whole rectangle. Split it in half. Bottom rectangle split into two squares. Split one of the squares into thirds. So you've got three rectangles. Below that square are two more rectangles of the same width and length that fit into the square above it. So you now have three thirds in that square. Put two rectangles the same size directly below it. In the right hand square is a rectangle that's about a quarter of the length across. Oh God. You have your large rectangle and you have square on the right hand side. There is a smaller rectangle what is about a quarter width of the square and is about an eight (1/8) in from the left hand side and three eight (3/8) in from the right hand side. Oh God. From the bottom of the rectangle, a line extends beyond the width of the original rectangle. A small square is drawn at the end of that line. So a line ends in the middle of the little square that you had to draw. In the top rectangle that has no squares in, at the right hand side, running from top to bottom is a rectangle that begins a quarter of the way down and is an eight (1/8) of the width of the rectangle. Oh God. Have you drawn that rectangle? You got a main rectangle that has been split in half. You have a line extending from one end to the other. There are some squiggles along that line.

#### FIRST YEAR 2 - Description 02 (Non-Architectural sketch)

The paper is turned, so you have a A4 sheet of paper. So it long ways. At the bottom of the sheet draw an oval shape. As if you were drawing a pond on a plan. Coming out of that pond are six sticks. They extend up at different highs. Look like an upside down tick. They are six of those. Two or three centimetres above that, another pond shape

that's more oblong, slightly larger than the previously other one. Looks like pondweed growing from bottom pond and goes through one you've drawn above it. On the oblong pond you just drawn, you need three more of those ticks. About four centimetres above oblong pond is one tick on it's own. On top right hand side is a circle, like the sun shining down on the pondweed. At the left hand side is a quarter of the sun. That's it.

#### FIRST YEAR 2 - Review

A - I found this really difficult to describe. I don't know... the sort of lines it uses that confused myself. Got caught up in discussing thirds, half and quarter and where everything should be

B - (She could not relate to it) She didn't describe witch way round the paper was or how long the picture was and where it was positioned on the paper...

A - just went straight into the rectangular shape ...

A – It was easier to describe... ponds... easier to associate with pictures, easier to describe...The other one was more like a plan...did you find that difficult?

B - .... I started with big rectangle. Had to do it smaller and then became very confused with squares and rectangles and witch rectangle she was talking about...

Non-Architectural sketch: Easier to describe. Easier to associate with pictures, pound, tick, sun

Architectural sketch: More difficult to describe. Half, third, quarter... confused myself

#### 3 - FIRST YEAR GROUP – SESSION 3

#### FIRST YEAR 03 – Description 01 (Non-Architectural sketch)

A small circle on the right, top right corner. Slightly larger a kind of quarter circle, like a curve in the top left hand corner. A kind of rectangle, it's quite long and ... It's got a long side, it's horizontal. The horizontal quite long and the vertical line shorter. The rectangle is at the bottom of the page. Draw a large rectangle in the top end about that one. They don't overlap, by the way. Draw a one head arrow down the page in the middle, with the arrow pointing left. (Can repeat, sorry) Draw a vertical line down the page, from 1/3 page down and draw a vertical line in the middle the page. From the end of the line, not the bottom end but the top end of the line, draw a kind of arrow, but just one head of the arrow pointing left. Draw a long vertical line on the right hand side. A long one and then draw another head arrow point right (Oh God). Draw a shorter vertical on its right and then draw another arrow on its right. Draw two shorter vertical lines on its right hand side with the arrow point left. Draw a vertical line on the left hand side of the middle one and then draw another arrow on its right hand side. Draw a kind of vertical line, but not really, a kind of tilted. Draw right hand side and that one, that line is quite long and it's on the left hand side. Draw the arrow on its left hand side. Draw another kind of vertical line, but a shorter one on its left. Draw another shorter one vertical line on its left with the arrow pointing right. Draw another ...still length, kind of high up on its left and draw the arrow on its right hand. I think that's it.

#### FIRST 03 – Description 02 (Architectural sketch)

Draw a square on the paper but with some bit frame on its right side and bottom there, so you have space to draw another things there. (say again please) Draw a large square on the page, but with bit frame on its right side and bottom of the square, because there

is some others bit to draw there. Draw a rectangle. It's half the length of the square. It's below the square, kind of 1/3 down the square. It's a quite thin rectangle. One side of the rectangle is kind of connected to square, if you see... Draw a small square on the right hand side of the large one. Leave some gap between the large and the small square. Draw a horizontal line across the middle of the square. Draw a vertical line from the middle of horizontal line to the bottom of the square and it is on the middle. Now you got like a large square with two other little squares at the bottom. On the square on left hand side draw two horizontals lines. You got three equal rectangles. Draw a horizontal line from the middle of the square to the middle of the small square. Draw a vertical line from the right hand side of the large square down to the middle horizontal line of the large square. It is not in the middle, it's near the edge of the right hand side. (say again please)Just draw a vertical line. It's on the right hand side, actually in the square. Close to the right edge. (again please) Draw a vertical line from the top of the square down to the middle horizontal line. Draw a S shape, but a inverted S shape on the top of that line. You've got a kind of a thin rectangle on the right hand side. Draw a inverted S shape on the top of the rectangle. I think that's basically it.

#### FIRST YEAR 3 – Review

The students didn't point a harder or easier sketch to describe.

#### 4 - FIRST YEAR GROUP - SESSION 4

#### FIRST YEAR 04 – Description 01 (Architectural sketch)

A plan of a room in L shape. A gap between the two alongators sides of got they. It is also a plan view. There is a long rectangular room within that plan. This is cute across, so you got two rectangles. About one sixth down from the rectangle one draw a gap which close through the square one. Then a *diving body* in your right. A typical *diving body* . A big body witch is on the top of it. It's also like a plan view.

#### FIRST YEAR 04 – Description 02 (Non-Architectural sketch)

On the top left corner is an arch and opposite that to your right of your paper in the corner is a circle small than that arch circle will be. Right down the bottom there is like a puddle, just an ellipse, oval shape thing. From there you've got a long straight line going right going towards the circle but not, is near the circle but not right attached to the circle and then to your right is an arrow not just at one side, and on your right, just draw it on your right not on your left so its like a hook or kind of thing and then draw the same thing in the middle from the oval thing going up but this time the arrow thing is on your left. Another of those lines, which point to the arch from the middle again of the old one. This time the arrow, well the half arrow thing is on your left again, so vou've got like what looks like a hook. On the left of the oval you've got another of those straight lines, but they only go half way to the top and then your hook thing is on vour right this time. Another one of that, the last one, should be at the edge of the paper so next one is close to the middle but not in the middle and not at the edge, the arrows is on your left, then on your right to the oval draw the same arrow going half way out straight to the top and like you've got the hook on your left. About 1 tenth up to the top arch and the circle looks like a trapezium but not like, rectangle but not like, trapezium. Like you've got curved, its like the oval but like a more rectangle actually, like draw an oval shape but more like a rectangle, like you've got four sides to it, and its like

miscued. On the left of this shape, draw one more straight line, like half way up again, then draw the hook on your right, and then on the right of this shape draw the same kind of shape, the same line and then your hook is on your left. Above the shape, not in the shape, above the shape, draw one more straight line so you've got an hook on your right this time so in totally you should have 10 of these hook things 6 of which starts from the oval. Three from the rectangle oval shape and then one above the rectangle oval. So it looks a bit like a face, like you've got an eye going like an arch and then you've got a circle and then you've got a hook thing and the oval is the mouth and the rectangle thing is the nose and you've got one circle as the eye and the arch like a bruised eye or something.

#### **FIRST YEAR 4 - Review**

Architectural sketch: it was very difficult...maybe I should have described it better.

#### **5 - FIRST YEAR GROUP – SESSION 5**

#### FIRST YEAR 05 - Description 01 (Non-Architectural sketch)

There are a lot of vertical lines and at the top of the vertical there is a diagonal line touching the top of the line. Like a flag. There is circle at top right hand corner and top left hand corner there is one fourth of the circle, like a sun you see in a little kids pictures. Just a circle, a quarter of the circle cutting one edge to other edge to the page. On the corner, left hand corner. Also there are a couple of ovals shapes, not really oval, but a kind of kids' oval shapes. There are two of them. One start on the bottom left hand side to right hand side. So there are oval shapes there. Above that there is another oval shape. Slight bigger. This oval shapes cut through the vertical lines. Don't think I can see anything else. A lot of vertical lines. Eleven vertical lines. Like flags on the top. Triangle flags on the top.

#### FIRST YEAR 05 – Description 02 (Architectural sketch)

This is a plan drawing. More like a plan sketch. Very massive. What you see is a big square. So draw a big square. You have a line cutting through the square, from the left side to the right side, horizontally on the middle. So you have two rectangular boxes. Box shapes now. On the top rectangle on the right side, touching the wall, you have a little bed. Looks like a bed. Is drawing in the short side of the rectangle. Just draw a little small bed. A plan drawing, so like study. Then from the middle of the square, the exact middle of the square, touching the line that cuts the square, draw a line downwards splitting the bottom rectangle into two squares. Then in the bottom left square draw two horizontal lines, splitting the bottom left hand square into three even rectangles. Same size rectangles. At the bottom of the left square, out side of the big square, out side, you have another rectangle, which the long part starts in the bottom of the left hand square to the right into the middle part the square, basically. It's parallel lines to the bottom side of the square, make the rectangle. So parallel to the square. In the middle of the box of the big square, just in the middle towards, a little bit towards the bottom the square, draw a sort of axes. Like maybe <sup>3</sup>/<sub>4</sub> axes just across that area. Maybe some massive squiggles... I can't describe this. Then on the right side of the big square, a little bit under nit where split. Basically I'm talking about the bottom right hand square, you have two lines perpendicular to the right hand square extend out side of the square. Two lines, what ever you understand. You stop those lines maybe a

quarter of the total length of the side of the square. Quite short lines. Where exactly you finished those two lines just draw another square. Very small square. That's all. Too difficult, crazy.

#### FIRST YEAR 5 – Review

The students didn't point a harder or easier sketch to describe.

#### 6 - FIRST YEAR GROUP - SESSION 6

#### FIRST YEAR 06 – Description 01 (Non-Architectural sketch)

I see two abstract organic shapes. Like ponds on the bottom of the drawing. The top one, the one which I'll describe this way is the larger and the one ... is the smaller one. They are sausages like shapes. The top of the picture there is one that is like the sun. It's a full boll and in the top left is one that looks like a larger sun, but it is cut out, you can see a quarter on the page. Coming up from the pond like shape are look like reeds. They also look like ticks up wards around. So is a long vertical section and a shorter section pointing to the ground. Like a triangle. There are ten of this. They are arranged. There are six in the small pond like shape. Three in the further away larger pond like shape and a couple more beyond that. They all vary in size and shape.

#### FIRST YEAR 06 – Description 02 (Architectural sketch)

This drawing looks like a very sketching plan of a building. The main body of that is a square object in plan. The out lines of the square, is a very rough sketch, like made in a hurry. There are all borders by double lines, the square. They not very meet. There is a very small square at the right hand side of this main large square body. It's approximately in the middle of the right hand side and in a small distance out. It's connected at the main large square by what look like a wall in plan. Double lines. There are some sketch details inside the large square. It's divided into two by one straight line. A horizontal line in the middle. In the left lower quadrant there is a small horizontal line. Two even in the space down of the bottom of the square. There are some 'unreferring' crosses, taxes, dots just under the central horizontal line. To the bottom of the square there is a rectangle which is longer that taller. It's in the side of left edge of the square. Just below.

#### FIRST YEAR 06 - Review

Non-Architectural sketch: Easier. Can related to some thing. Like a picture: sun, ponds...

Architectural sketch: Hard. No reference, no sense.

#### 7 - FIRST YEAR GROUP – SESSION 7

#### FIRST YEAR 07 – Description 01 (Architectural sketch)

Basically this sketch is a plan of a room with several other rooms. A plan of a building, quite sketchy. Draw a rectangle long going across page. Have your page landscape? Draw about six or seven cm, just one line going across horizontally. That's the long side of the rectangle. The width the rectangle going down is about three and a half or four

cm. On the bottom right hand corner of that rectangle, draw another rectangle, which is like vertically up. Looks like a bed, a bed with the pillow. It's against the right hand wall, goes up about until half cm to the top. The bottom hand corner comes out a cm of the bed and goes up to half cm to the top and got a pillow included in that, which is about a cm deep. So the bed is a continuous rectangle one, vertical in the right hand side with a pillow. Just draw a bed as you imagine with a pillow. About a cm width and about three cm high. Stop just in the right hand corner, in the corner against the right wall. Then draw another rectangle below the one you got, the main one. The same again. So go down another three and a half cm and across the same distance again. So you now got double the square. Like two rectangles in the same, touching each other on the long side. Divide that rectangle in half vertically. So like in a middle vertically. Then divides the left hand section of that into thirds horizontally with two lines. So, then taking the right hand thing of that, it's like a square now. Extending the top of the thirds. You got the thirds in the left. Take the top of those two lines you drew in the middle. Extending about a cm into the square in the right side. They get up about half cm and they go across to the wall, to the right wall, horizontally. The same distance again, through the wall. So a line coming out through the wall. Then draw a square, about a cm square in the end of that line, outside the rectangle, the right side out of the two rectangles. Ok, almost finished. Then draw in that line, horizontal line that goes out, draw a little line about, should be about a half cm. Extend the bed down, like the bed sticking the wall. Just one line. Below the bottom of the whole drawing, take the left hand side of the large object. Extend line down about two cm. Then go across to the middle point, like level and go vertically to the bottom of that. Horizontally, so level in the middle. Level in the middle like you drew down in that rectangle above, about two and a half cm. Then go from that, go up, half cm and then back to the right hand side. So kind of a little rectangle, almost the same shape as bed you drew early, but the other way round at the bottom. That's it.

#### FIRST YEAR 07 – Description 02 (Non-Architectural sketch)

This is not a room. Is more like a golf wind or something. First of all draw a box about eight or ten cm across horizontally. Have you the page landscape again? Eight cm and then down about twelve cm. Make a rectangle like that, vertically up the rectangle. This is the frame of your picture. In the top right hand corner about half cm from each side, draw a circle like a sun, about a cm in diameter. In the top right hand corner of the rectangle you drew, draw a sun about one cm diameter and half cm in. Just a circle. Top left hand corner draw a quarter of a circle. Comes from the top. In the top left there is a guarter of a circle. This circle is about two cm in radius. So a guarter of circle there, in the top left hand corner. Then in the bottom of the rectangle, across the bottom, draw like a oval shape, landscape. Its width in the middle is about one and a half cm and goes almost the edge of each one. Like a golf wind looked out from distance, so like a ellipse. Above that draw another one. Goes even close to the edge of the rectangle and its got two cm high. It's more like a square, its got curved edges but it's more like a square with out corners. Now there are ten flags like that. The flags are drawn like just vertical lines. You know when you draw a properly number one. You draw a vertical line with a little dash in the top and a little dash in the bottom. Take the dash of the bottom and that what it looks like. Starts on the right, this is on the top ellipse. The higher ellipse, starting near the top right hand corner of that, goes up about three cm and the dash in the top goes diagonally down to the left. Next one starts on the top right hand of the bottom ellipse. So slightly inside that one, goes up slightly under the other one, about four cm and diagonally down to the left again the dash, and the dash is about

one cm long. Next is in the top ellipse again, is about one and a half cm in front the right hand side. Goes straight up about three cm and has a quite long dash to the right hand side this time. Next one is very long and right to the bottom, almost in the middle, slightly in the right middle of the bottom ellipse. Goes right up almost to the sun, like to the bottom of the sun. The dash goes down to the right, quite deep, almost touching the sun and goes up there. Just in the left of it, a cm right going straight to the sun. Move your pen, get your pen in the bottom where you just drew, about a cm to the left and draw another one about the sane high, about one cm less and the dash goes to the left this tome, diagonally down. The next one starts above the top ellipse, about a cm above the top ellipse and about a cm left the wind you did, and its only two and a half cm long and the dash goes to the right. So floating in the air. The next one is slanted slightly and starts almost the same point, like the last one in the bottom ellipse started. Slightly up and goes diagonally left about five or ten degrees or something, no much. Goes up almost touching the quarter circle and has one and a half cm or two cm dash going out to the left. Three more to go. The next one starts in the top early of the bottom ellipse. In the top of it about half cm left to the last one you drew, slightly a little bit but not quite much, a kind of converging on the other one. Doesn't touch it. It goes about three and a half cm down in the top ellipse but about one cm. Has a long dash about one and a half cm, quite to the left. Last in the bottom ellipse starts quite early in the edge of the bottom ellipse, in the middle. Goes up, not quite out of the top ellipse and has a dash diagonally to the right slightly. The last one is in the top ellipse, starting very close to the edge of it, about a mm of the left edge. Goes up vertically, not crossing that way but across, goes up about three cm and has a three or four cm dash to the right side. That's all.

#### FIRST YEAR 07 – Review

Non- Architectural sketch: Easy to describe but difficult to remember Architectural sketch: hard to describe but easy to remember

#### 8 - FIRST YEAR GROUP - SESSION 8

#### FIRST YEAR 08 – Description 01 (Non-Architectural sketch)

These are lines. It's an abstract picture. There is a circle, what I mean is an ellipse one and there are lines going upwards with arrows, half arrows on it. Above the ellipse there is a rectangular form, which edges are in a circular form. Also from this rectangular form there are lines with upwards arrows, half arrows on it. So in the top right hand corner there is a circle. Small circle. On the left hand corner I see just a curve flying, which comes from the top of the page to the left end of the page. A curve flying. Also those lines going upwards. Ten lines going upwards. Six lines are going upwards from the ellipse in the bottom. Three are going from the rectangular shape above the ellipse. Only one of those is off the rectangular shape, not included in the shape. That's all I see.

#### FIRST YEAR 08 - Description 02 (Architectural sketch)

It looks like a plan. Drawing in a square, a big square. From the bottom of this square there is a rectangle shape, which comes one end to the middle of the bottom line. It's like two cm. In the square, in the right bottom, to your upper line, I see a small square scratching. There is a line connecting the middle points of the sides, left and right sides. From this middle line, one cm down, another line. There is also in the middle lines a rectangular shape going from the middle line towards two cm. In the right side of this big square, I see a line extending from the middle line two cm. In the end of it there is a little square, just like one cm side. From the square in the right end of the upper corner, I see a line extending to the middle line of the big square. I see some scribbles in those middle lines, with one cm in the middle. I see some sketching things inside, some lines. That's all I see.

#### FIRST YEAR 08 - Review

Both difficult. The students didn't point a harder or easier sketch to describe.

#### 9 - FIRST YEAR GROUP - SESSION 9

#### FIRST YEAR 09 – Description 01 (Architectural sketch)

Start with a square. In the top right hand corner about three mm down, draw a rectangle going from the right hand side to the left making about a cm width and go down about half way the square. Draw a line from a horizontal angle, half way down the square. Divide the bottom half into half again but vertically. In the left hand bottom square you just made, divide it in thirds horizontally. In the very bottom of the main square you just drew, has a rectangle detached on the main square about half cm of the way. It's long rectangle going horizontally. In the bottom right hand square, in the main square, there is a small rectangle in the top of it. From that rectangle there is a line going out of the main square to the right and there is a small square attached on the end of that line. In the bottom left hand small square that you drew in the main one, the top rectangle, about half way down that one, there is a line going from the right hand side to the left hand side, half way across.

#### FIRST YEAR 09 – Description 02 (Non-Architectural sketch)

In the middle of the page towards the bottom draw a oval shape. It's quite long going horizontally. Above that, a little bit above that, draw a rectangle with rounded edges, but drawing horizontally. From the bottom oval shape there is a line going, there are a lot of lines but the first is on the right hand side and going vertically upwards. Draw it going and passing the rectangle over bit. The line goes back on itself diagonally a little bit towards the left. There is another one of those of the same shape going through the rectangle above, just underlining the line you just drew. To the left of that line there is another line, another shape like this one you just drew, but is a reflection. To the left of that one there is one going from the bottom oval and still a little .... the line you just drew and that one defect itself to the other line. The next one goes, it's just one more of those and goes back itself to the left. The next one starts higher than that rectangle with rounded edges and goes back itself to the right and it's shorter. The next one with slightly angle going to the bottom oval upwards and goes back itself to the left. The next one goes from the bottom oval also but not as high the last one you just drew and goes back itself to the left. One next that one, goes from the bottom oval. Goes and stop inside the rectangle with rounded edges and goes back to the right. The next one is just in the edge of the rectangle with the rounded edges and goes up. It's a short one and goes back itself to the right. Imagine if you do a rectangle around everything you drew. In the top right hand corner there is a small circle. In the top left hand corner there is a quarter of the circle drawn.

#### FIRST YEAR 09 – Review

Both quite hard to describe **Non-Architectural:** easier one.

#### **10 - FIRST YEAR GROUP – SESSION 10**

#### FIRST YEAR 10 – Description 01 (Non-Architectural sketch)

Ok, so it's portrait. On the top right hand corner you need to draw a circle, which is about maybe five of this circle down the page, so a fifth of the page. So a circle like this. On the top left hand corner, you need to draw a quarter of the circle from one side the page to the top of the page and that needs to be a third of the page. At the bottom of the page it's an oval shape but it's not a perfect oval shape, looks like a pound. Even in the end of the oval it's slightly flatted, it's not a perfect shape. It's whole width the page. It's again a fifth of the proportion of the portrait, if it is a portrait. Above this is another oval shape but at the ends this is flatted at this time. It is an oval shape with flatted ends. At the top and the bottom it is flatted as well. So it's more like a rectangle with the rounded corners. Again it is whole width of the page and just slightly bigger than the last one, just our fifth of the high of the page. Working from left to right there is a series of straight lines. Much of them are pretty much vertical but there is a slightly angle on some of them. They look like arrows, as you draw an arrow. They all are pointing upwards but as you got one side of the arrow on them. So draw an arrow with two diagonals lines and one vertical line, as you got just one diagonal line of each line. The first one is on the left hand side of the page, starts about a third way up from the top. Draw a strait line there and the diagonal part of the arrow goes to the right. The second one is the same length but it is slightly close to the bottom of the page and again the diagonal line goes to the right. So the same length, close to the bottom of the page and the diagonal line goes to the right. The third one is slightly above the second one, also slightly longer and the diagonal line is also longer and goes to the left this time, goes up the top the second one. The forth one is same length of the ethers three plus half. So it's like 50% bigger and the diagonal arrow goes down to the left. The fifth one is the same size as the first three. This time it starts, the top of it is about a quarter of the way down the page and goes down about half way down the page, just half way down the page and the diagonal line is to the right. The six one starts from right in the bottom of the page, probably a couple cm up and goes right to the top third and should be in the middle of your portrait now. Should be half way across the page and the diagonal line goes to the right. Should said before that neither of these lines you're drawing now, cross each other but cross through the ovals you drew early. They don't interfere with any other stuff in the top of the page. The seventh one is slightly longer that one you first drew and I didn't tell you the arrow goes to the left in the last one, the diagonal line goes to the left. The seventh one is slightly longer that one you just drew, starts in the same stage at the bottom of the page and just goes a little further up at the level of the circle. The arrow goes down to the right this time. The eighth one is the same size as the first three again. It should be roughly enlarge then the first one, slightly above it maybe a fraction of that and the arrow goes to the right more horizontally, almost not angle, more horizontal. The ninth one became the same size as, no sorry, slightly bigger than those first three again and longer than the last one as well. It starts just a little bit higher up than the two longest you drew. Just longer than the first three, starts higher up than the two longest you drew. The diagonal line goes to the left. Finally the last one should be in the right hand side of the page, is the same size as the first three you drew again. It

should have about a third of the page above it and a third of the page below it, so should be a third of the page drawn in the middle. The diagonal line goes down to the left. On the top left hand corner where you dew that quarter of the circle, like a sun in the corner of the page, there is something that I can't see in the photocopy. If you go to the top right hand side of the quarter of circle you drew, there is a small triangle shape and it's not symmetric triangle, it's an asymmetric triangle and there is what looks like the word to but it's not. Now you should have a quarter of the circle in the top left hand side of the portrait page, a full circle in the top right hand side and this full circle is slightly smaller of this quarter of circle. From left to right you should have ten vertical lines. The first one should have the diagonal line to the right attached to it. So should the second, the third and the forth go to the left. Fifth goes to the right. Sixth goes to the left. Seventh goes to the right. Eighth goes to the right. Ninth and tenth, both going to the left. At the base of the page you should have an oval shape slightly flatted on the horizontal lines.

#### FIRST YEAR 10 – Description 02 (Architectural sketch)

Put your page in landscape way. What we got here looks like an architectural drawing. It's a very sketchy drawing, probably towards by scanner. The lines have been drawing and redrawing again. The drawing is basically a box shape, almost square, slightly longer than its wide. Basically it's a box with another rectangle just below. At the right of this box there is another very small box. Now I'll try to describe it. If you draw in your landscape page one vertical line about half width in front the page and I want it about few mm long. One vertical line, you can make it a bit sketchy towards the top and the bottom. Not too sketchy. From the top of that line draw a horizontal line and this is slightly shorter than the last line. The same exactly line from the right end of that one. Draw another vertical line that starts to create a box. Then drawing the box. So you have a little tail hanging out from the bottom left and corner. That should be about a finger width, this little tail. Half way down this little tail, draw a horizontal line half way across the length of the box. Just one line ok? Now from the end of this tail, draw the same length one. Draw the two together with two lines on the end with about two little half. At the top right hand corner of the main square you drew, there is shape similar to the shape you drew to the bottom left of the square. It's vertical this time and it's in right hand corner. So you draw that similar shape half way down and it is a finger width. In the top right hand corner and it's vertical. On the top of this shape there is a sort of scribble S, a very, very flatted S shape. If you do that very, very flatted S starting from the left hand side and then goes round and again with another tail on the bottom. On the bottom left hand corner on your square, there is a similar shape that shape you drew below the box. It's the same high but slightly shorter, so doesn't quite half way across. So if you drew that, one is on the tail of your square and this is slightly shorter but the same width, inside the box. Above this, another box with the same length but 50% bigger, no 50% wide, I'm sorry. There is another of the same size, which should take half way up the page, sorry half way up your main square. It's also a horizontal line, which divides your square into two, right the way across it. It's the same width as the shape on yours square. If you take that width, that below that horizontal line you should drew across the square. So it's the width of the shape of the tail of your square, down the horizontal line through the square. Half way through the square there is a line that comes from a quarter way through the square. On the right hand side a quarter way through the square, sorry three quarters way through the square. So it's all on the right hand side and it goes out about half the width of the square. So just one line goes inside the square to out side the square. So the line is half-length of the square and goes from

three quarters of way through the square to about half way out. On the end of this line there is square, which is about a cm square. About a cm square. You should have three rectangles on the bottom left hand corner of your big square. In the top rectangle, on the left hand side of it, has been drawing like an X. There is an X. On the right hand side of the X is a drawing that what had been very quickly. Just to the right of this there is a Z, but the Z has been drawing on its side. So looks like a back-front N, if you know what I mean. If you turn the page portrait, it looks like a Z. The very top line of this main square is the most sketchy line of all drawing. Quite sketchy, it's a pen drawing but still quite sketchy. The right hand side of this square, at the bottom, half way up from half way down to the bottom, at the right hand side of the square there is a rectangle slightly, not as width as the rectangle hanging down at the bottom of your square. It is also not as long, so you leave half cm from the middle and about one cm from the right hand side of yours square and just hanging down from that horizontal line.

#### FIRST YEAR 10 - Review

Non-Architectural: Hard. I've got confused with the proportions.

#### 11 - FIRST YEAR GROUP - SESSION 11

#### FIRST YEAR 11 – Description 01 (Architectural)

A plan of a house. A plan floor. Basically a square in the middle of the page, about ten cm by ten cm. Horizontally through the mid point of that line, so half the square along the middle, two rectangles in the square. In the bottom half of it, divide again vertically, so you have two small squares. So you goy a big square slightly divided up into one big rectangle and two squares. Below the left, the little square outside of the big square, you've got a small rectangle room, which is about six cm long, a bit longer of the width of the small square. That's about one cm deep. It's very sketchy, so the underline has several lines on it. Now you should have a big square divided up into one rectangle and two small squares and a kind of small rectangle underneath the left hand of the big square. And that left hand of the square, it's also divided into three horizontally with two lines, horizontally in that space. So it's divided into three little rectangles. In the top little rectangle, that's where I'm describing, there are a kind of crosses and little sketches. You can do whatever you like it. Now in the big rectangle at the top, that's part of the big square, in the right hand side of it, there is like a bed structure about one cm width and it's kind of stuck on the right, kind of wall. It's a maybe vertical line and then a small room on the top of it, like a pillow over here. Maybe it's not a bed really. That's in the top of the rectangle, about one cm width and goes all the way follow the length of that big rectangle. The last is coming up from the right square, the small square in the big square. There is a line out, sticking the big square. A couple of lines with about one mm long, sticking out horizontally about three cm again and that's one cm down from the middle line that cuts up the big square. Two cm along there is little, little square that is going attached on the sticking out line and it's about one cm by one cm. In summary, what looks like a big square divided into two horizontally and then divided vertically the bottom half. The left square has got a lot of scribbles on it, is in the top third of it. It's divided into three. Below that is a kind of rectangle that is width of the square. The right hand space there is the thing that is coming out of it to the right with a little square on it. On the top rectangle you got that bed thing. It is summarizing.

#### FIRST YEAR 11 - Description 02 (Non-Architectural)

What we have here is a sketch. I'll just describe it first before start doing anything else. It looks a bit like two lakes with a sort of funny trees coming out of it and a sun on the top and a sort of arc on the left. It's like a sketch or what could be a illustration on sketchy. The basic shape is a rectangle that takes up middle of page. The rectangle width is about ten cm again, about around fifteen cm down and ten cm across. In the bottom of the picture you've got a kind of lakes, like oblong pounds. Just one line. Like the circle but that should be splashed. Like a pound. You got one and there is a big one above. If you draw those, then on the top of the picture, top right hand corner, you've got a sun. There is a circle that could be a sun, about two cm width. The lakes in, they stick up all the length of the rectangle but not touch the sides. They are about eight cm width. The bottom pound is slightly smaller than the top one. They are in third bottom half of rectangle. Now you should have just like two lakes like pounds and a circle at the top right hand. On the top left hand corner, about four cm away from the corner, you got an arc the circle but it is a quarter of the circle going across. How can I describe? Just cutting off the corner, like when you were kid and you draw the sun in the corner of the picture. It doesn't touch the sides of the rectangle, just a arc of circle. On the top of all it, you got a lot of vertical lines that come out from the two lakes. They are about ten vertical lines. They are not all complete, straight up and got a slightly angle. There are four going up from the bottom lake, no hang on, six going up from the bottom lake, three going up from the top lake and there is one going up but it doesn't connect with the top lake. It's hard than expected. They are different lengths but there are three in the middle that are longer. They don't pass the all length of the rectangle. One goes up to the middle point of the circle but in the left of the circle. Another one points towards the semi circle arc you drew. Those two start from the bottom lake. There is one between those two as well, but not as long as those two, about one cm less long. You got a forth one from the left to the right and with a tick a half of the rectangle. Each one of these has like a little one pointing to the other way. It's got a line in the top of them, like half of an arrow. There are half of them pointing one way and half pointing the other. There are about five of those, which have the top of it pointing to the left and five of them which top arrow pointing to the right. It's really hard to describe which one is pointing in which way. Let's try again from the left to right. The far left one is a short one from the top lake and it's pointing to the right. The next one along to the right is from the bottom lake and pointing to the right. The next one comes from the bottom lake and pointing to the left. The next one comes from the bottom lake and points up to the semi circle and points to the left. It's like one, draw a number one. The next one along to the right points to the right and quite at the top because it extends the most of the length. The next is a long one, points to the left and comes from the bottom lake. The next one along to the right goes to the bottom lake up to circle but doesn't touch it and that points to the right. The next points to the right and goes from the top lake. The next goes from the bottom lake and points to the left. The last one goes from the top lake and points to the left. I don't know if I can see any other thing.

#### FIRST YEAR 11 - Review

Non-Architectural sketch: Hard. More abstract Architectural sketch: Easier. Geometric things.

12 - FIRST YEAR GROUP - SESSION 12

#### FIRST YEAR 12 - Description 01 (Non-Architectural)

We got a abstract piece of art, if you know what I mean. In the centre of the page, put in landscape form. In the centre is a rectangle in portrait, in the centre of the landscape page. But still off in the left hand corner by drawing a quarter of the circle facing towards the bottom right hand corner. Then about a inch and a half to the right of that. draw a full circle about one and a half cm in diameter. Then below that, two inches directly below the circle you just drew, of the quarter circle and the circle, draw again about two inches width and about a inch high. It's a sort of rectangle but with slightly curved edges. It's got a flat side on the top and bottom, but the side on the left and right is pretty much curved. Did you draw that? About half cm below what you just drew, draw an oval that is slightly lower than that one you just drew and again about threequarters inch high. It looks like a golfing cream with half head on. Straight lines. You've got six of those coming out of the bottom oblong shape you did. You go to the left hand side of the oblong shape and draw a straight line up into the top of the shape above it. The half arrow facing towards the bottom right. I know that the arrows head going both sides but just draw one side of it. Do the same shape about the same size on the left hand side of the large shape on the top, hanging out towards the quarter circle. Next that, if you go to the middle of the bottom shape, draw two straight lines. One about four inches and one about three and a half inches, straight up. The long one goes to about the same high of the full circle you made. Basically on the middle of the bottom oblong. The one on the right has the half arrow facing to the right and one on the left has the half arrow facing to the left. In between the two lines you just drew, in between the left hand line and the first line that comes up from the bottom oblong, draw two lines going slightly inclined to the left. One is coming directly towards the quarter of the circle, which is about three inches long and the other is about one and a half inches going to the same direction. The arrowheads on this both face to the left and are about two cm long each. The one on the bottom is the most flat angle, probably about 30 degrees and the other one about 15 degrees. Then, the one you just drew hanging towards the quarter circle, the long one, if you draw between that one and the straight one that you drew on the left hand side. Two straight ones together, the left hand side of one of those and then one pointing towards the semi circle or the quarter of circle. About a cm above the top oblong, start drawing one and a half inches line with the arrowhead facing towards the right. You got three more of these kinds of half arrows to draw. Two in the right hand side of the top oblong. You draw about two inches arrow going up from the top right hand side of the top oblong with the arrowhead going left. Again in the bottom oblong, on the top right of it, do a two and a half inches arrow going up with the arrowhead facing towards the full circle. You got one more arrow to draw. That's between the arrow you just drew and the long straight arrow that you should have in the middle. That's in the top oblong, just on the centre of it. It's about one and a half inches long with quite large head facing the flat angle at the right. That's apparently all that is drawing.

#### FIRST YEAR 12 – Description 02 (Architectural)

This one looks like a plan view over a building, done kind rough lines. Again in the centre of the page, the whole thing is probably seven cm by nine cm. Basically a square. You draw a seven or eight cm square in the centre of the page. That's the out line for your drawing. If you go about four cm down, just half way down the square you just drew, then draw a parallel line across the page, going from the one side to the other. At the right hand side of your drawing, go from that line you just drew and go direct about

one cm away from the right hand edge. Go direct up from the line you just drew until it almost meets the top. It's quite rough. Between the side of this square and the line you just drew, do a S shape from about one cm high, touching the two lines each side. Then you should have like a blank bottom half on the square now. Go to the bottom left hand side and draw a guideline about half way across the square, straight down from the line you just drew, across straight down on the bottom of the square. Use that line as a guide. Just do about one cm up, except that two parallel lines about an mm apart. Across the line, going half width of the square up to the line you just drew, about one and a half cm or equidistance between the full line across the two parallel lines you just drew, do another set of two parallel lines but an mm across, an mm out to the same distance you did before. Now you got the square in the middle. Go to the bottom left hand corner and draw a line down about two cm. From that line go across to the same distance as the guide lines you drew. Should be half way across the big square. Then do another parallel line equidistant between the big square and the line you just drew, again the same length. Then parallel line between the two close the rectangle. Now between the top set of two parallel lines, between that and the line you drew across the square. I want you to do a ... it's the infinite sign or pretty much the sum sign. Basically it's a figure eight on its side with the left hand side missing. So you set two lines crossing each other. It's about one cm by one cm. If you go to the middle line you got on the right hand side of the square, drop about a half cm down, do a line from about three cm in, out of the square, about further three cm and do another line exact the same underneath that. In the end of that do a square about one cm by one cm. The line you just drew out, about one cm in, from the side of the square, doing the square you got in the big square. The top right hand side, you got that smaller rectangle with the S shape at the top, draw a line down from that to the line you just drew out of the big square. Do like two lines next each other about an mm high. In the middle section, where you got the half figure of an eight and square box with lines coming out, you do some rough scribbles. Do a couple of lines about three cm in distance along. In between these two lines, much towards the left hand side, about half way across, there is that looks an 'OL', an O and an L. Is right there in a small half cm high, writing in the middle of the square. The rest of it is just scribbles, probably indescribable. That's all.

#### FIRST YEAR 12 - Review

The students didn't point a harder or easier sketch to describe.

#### 13 - FIRST YEAR GROUP - SESSION 13

#### FIRST YEAR 13 – Description 01 (Architectural sketch)

There is a box. Draw a box about 8cm per 8 cm. Draw a line horizontally through the middle from each side. Now is divided into two sections. In the lower section draw a vertical line, bottom section to bottom section. Three sections and two small ones. The left hand small one is divided into three equals parts with horizontal lines. Three horizontal rectangles boxes, add two in the end. So basically they add to the others two. Before they all, towards the box. On the top section now, on the big section on the box, on the right hand side, as you go horizontally line go a cm from the right and draw a line vertically down. On the top half basically. On the top right corner of the rectangle, of the box, draw a 'S', flat on the top of it. So it's basically the width of the little rectangle you just drew. It is your vertical rectangle with the S in. I told you to drew three rectangles in the small section, on the left. On the top rectangle, draw on left hand

side, a cross. A cross or something. In the middle of that rectangle draw a small 'H', in the middle. Basically as you look at it, the way you draw it, it's in your side, you got a sort of on it's side H. On the bottom right hand of the H, continuing to the middle point on the line. In the top right of this little rectangle, draw a back to back form N. There are four rectangles. The box next to it. Basically the box divided into four parts. On the bottom right part of it, draw a rectangle, on the top. Starts a rectangle, the top left corner of the rectangle in the top left corner of the box and draw around about one cm down and two-thirds the way along. Started just in front left, in the top left hand corner, start a bit along. As you did with the H, continue the bottom right part of the rectangle, so the bottom-line. Just draw and keep going and extend out of the main box about three cm. Where the line ends use that as the middle point of the box and draw one cm square around that tip basically. They go to the polo five rectangles in the bottom left. Draw a line from the bottom right corner of the rectangle, horizontally along to third way in the next box. So next to that box in the bottom right corner, draw this line about a third way to it and join that line up with the rectangle you drew in that box. It's basically a T, like a T-junction or something. Draw the tiniest, tiniest A and on the border of that. So draw in the top of horizontal line. Mark out a right angle with a square in the corner. In the right hand corner, the right hand side of it draw a little, not exactly. Extend the left hand side of it.

#### FIRST YEAR 13 - Description 02 (Non-Architectural sketch)

Actually draw a box, a rectangle about six cm per six cm. Don't actually draw it, mark it. Just imagine it. In that rectangle, on the top left hand corner, draw a quarter of the circle. Basically a quarter of the circle. On the top right hand corner just away from the corner, just away from the edges, draw a circle. Small circle about by one and a half cm in diameter. In the bottom of this imagined rectangle, in the bottom, draw like a oblong, not properly a oblong, just bit rough. Not quite touching the edge of this imagined rectangle, just away from it. Just above that, there is basically a square with rounded edges. Also just above the oblong, bit bigger than the oblong. There are basically ten up side down arrows shapes or something. In the left hand side of the rectangle with curve edges, this one you just drew, draw a line about three cm, 45 degrees from the top of it. Draw a line up three cm with another tick by 45 degrees from the vertical. Draw a line about a cm down. Just go down and right of it. Draw another one exactly the same shape. Basically they look like a up side down arrows. So get a arrow, turn it like mirror image in the horizontal, but the short bit of the arrow liked pushed it. That should like being drawing over the two shapes drawn in the bottom. The same shape arrow up. Put the corner in between the quarter circle and the circle. In between those too, the last two arrows you drew. Draw two in the gap between them, but they are twice the length and pointing in the other way. So the arrow is pointing in the other way. Just a bit longer. One of those just the double the length. Draw in the middle of this imaginary rectangle a line, another arrow basically. It's going about from the middle of the bottom oblong, all way up to the bottom to the quarter circle. Draw the arrow pointing to the left. Just to the right of that, draw another arrow the same length, just take a bit higher in the top, about a cm up and out the arrow pointing to another way. Another one of them with the arrow pointing to the right. It's half the length the one you just drew. Starts in the middle of the rectangle. Half the length. It doesn't go half way up half way down. It's in the middle. You should be in the edge of the rectangle now, this imaginary rectangle. So just about a third way up from the bottom, draw another arrow the same shape that one in the start, pointing to the left. The last arrow just in the edge, is a vertical line, about one and a half cm, starting in the mid point and pointing left it's arrow. That's it.

#### FIRST YEAR 13 – Review

The students didn't point a harder or easier sketch to describe.

#### 14 - FIRST YEAR GROUP – SESSION 14

#### FIRST YEAR 14 – Description 01 (Non-Architectural sketch)

You need to have the paper portrait. The drawing is portrait shape. In the top left hand corner there is a quarter of an arc domain from the centre and the corner and nearly half way across the top. Like a bit of the semi circle. Starts about two-fifths of the way across the top from the top left hand corner and then draw a guarter of the circle towards the left hand side. Then, after you done that, in the other corner, the other top corner, there is a small circle about the size of five p, about one cm from the top and just another cm from the right hand side. Then you go down to the bottom. Across the bottom you drew, about one cm from each side there's an irregular shape sausage. Above that, you draw another one slightly bigger and slightly more square. There is about, the bottom, about one cm width or kind and the top one nearly two cm. Then you're going to draw ten such of hooks and they're basically vertical, or not quite vertical line, they're slightly diagonal coming out of the sausages. There are six on the bottom one. One in the left-hand side end the richness almost to the top of the big sausage. Look like an up side down ticks. You need to do a line up and a line coming out to the right diagonally, just about one cm long. Next that, starting a bit higher, you draw another one, which comes out of the top of the big square and has a much long tick going to the left, up to two cm. A cm along from that, in the small square, you do a much longer line, which is nearly to the semi circle you done in the top corner. It's a little bit diagonally. It's about eleven o'clock. You draw a line down from that to the left, about two cm long to make another tick. Right in the centre of the small sausage there's a long vertical line, which is about two-thirds of the page with a small tick to the left. Another cm along from that, in the small sausage, there's another almost parallel line, which is, goes past about nearly to the centre of the small circle on the right, but it's to the left of that circle and has a tick to the right about one and a half cm long. The last line in the small sausage, starts right in the corner and goes about five cm long and has a tick to the left about one cm long. Now you got four more ticks to draw. One starts right in the left hand side to the big sausage. It's about three and a half cm long and has one cm tick going down on the right hand side. There is another one in the left hand, or right hand corner of the big sausage, right on the top. It's four cm long and has a little tick to the left. Then you got two more. One comes, remember the big line you drew in the middle and the line going to the semi circle? It comes around between them. Starts about one cm above the big sausage about three cm long maybe four cm long and has a tick going to the right hand side with one cm long. The last one you have to draw is, if you came from the right hand side the lines, then there should be a gap where you drew a vertical line from the centre of the sausage going up about four cm long and has a tick one cm line to the right. It's done.

#### FIRST YEAR 14 - Description 02 (Architectural sketch)

This looks like a plan of a house. The lines are scratching massing as you got few times. First of all draw a big square in the centre of the page taking at almost of the page just leave a gap in the right hand side. When you have done that, the left hand vertical line

of the square, so the left side of the square continue the line down about two cm from that. And then, from the bottom of this, mark out the middle point of that little two cm line you just drew. So mark out one cm from that. Draw horizontal lines from the one cm and end of that line you drew. Go to the middle of the box, so parallel to the bottom of the box, going half way across the page. Draw another of those two little vertical lines. Starting at the bottom of the box, just a little bit to the left of those lines you just drew. No, no wait. Draw a line completely cutting the box in half horizontally. From that line to the bottom draw another line, which cuts it not quite in half but just bit to the left of the thing you just done. It should now be in quadrants. Should be in three squares of the box now. The bottom left hand square, you want to do two lines horizontally, so you cut that into three equal parts. When you've done that, as the two lines you just drew, the top one, you want to extend across the right hand side of the box, just about one cm. Do a little line up from that, not quite to the end of it, just a quarter way up to the middle line. Divide that line in half again by doing a little sort of quick line across that. In the bottom left hand box, divide into three. In the top section of that, in the left hand side, you want to do a cross, but when you're doing a cross, start at the top left hand line of the diagonals and then doing the cross taking a tenth of the paper. After you done that go to the right hand lower quadrant. From the little line you just did in the end of it and you cross in half, draw a horizontal line across, which extend three cm out of the box. On the end of that line, draw one cm cube but just crossing over that line. Draw another line on the top of the horizontal, three cm line just few mm above that. The top right hand of the box, about one cm in from the wall, draw a vertical line going down to the centre line. You should have such that thing. Start in the top of that new little box you just made. You want to wiggle across to the other side. Then go back across like a snake actually. More just go back three times. Go back to the cross you did in the lower left hand quadrant. Where the centre of the cross is, a little bit to the right of that, draw a line horizontally one cm long. From that line, a little bit to the end of it, do a vertical three mm long line. Draw a line from that, going through horizontally across to divide two boxes in half. Along the centre line you need to make a scribble. Starting half way across the lower left hand quadrant, along the centre line, you need to do a little tine A, such a summarise show. Then go from that horizontally down about two or three cm. It's quite complicated. From that vertical line and horizontal centre line, draw those two up to make triangle. Doing another vertical line down about one cm long and making a little triangle using that vertical line as hypotenuse should going diagonally up to the right and the horizontal goes across. In the right hand lower quadrant you got a line extending three cm out horizontally. Now go one cm into the box from that line. Draw three vertical lines from that central line. Make four marks just little marks on the central line, going towards the centre about five mm high each. In the big top section, to the left hand side, you need to draw two dots. One of them is practically on the centre of the whole box. They are about one cm each from the top. One of them is practically in the middle of the whole box and one is about seven mm to the left of that. I think it's pretty much done.

#### FIRST YEAR 14 - Review

The students didn't point a harder or easier sketch to describe.

#### **15 - FIRST YEAR GROUP – SESSION 15**

#### FIRST YEAR 15 – Description 01 (Architectural sketch)

It's a plan of a building. It's a square building. It's divided open to what looks like three rooms. There is a large room in the top, taking about half of the square. Along the right hand side there is a bed bench and in the top right hand corner of the square is like a cinco on a division on where is the bench. Bottom right hand is like another room but it is another shape. Like a square. The bottom left and right rooms are subdivided equally. The bottom left, it's got three horizontal divisions, so like beds, you know, like sleeping areas. On the right hand side of the large square that you drew first, is like a projection or bee sticking out in a very small square, about the size of a penny maybe. Once you finished the main square, on the bottom left there is another what looks like a bed structure, but it's not that drew in the large square. It's away from it. Only drew in the left hand side by one tine line. Back to the bottom left hand group. On the top of the three divisions made horizontally there is a X on the top left hand corner of that room. A scribble to the right of it. Going down the room, in the middle of that small division on the room, it's like a horizontal line as well. Back to the bottom right hand corner of the large square, so the bottom right hand corner of the room, there is like another bed bench along the topside of the room, about the similar size of the bed. Projection comes out of the large square the whole big thing is going to that.

### FIRST YEAR 15 - Description 02 (Non-Architectural sketch)

It's a very abstract drawing. On the top right hand corner there is what looks like a sun. Just a round circle. On the top left hand corner there is a quarter of circumference of a circle, roughly about four times the size of the one you just drew. Below that there is what look like lines with another line in the end that is coming down about forty-five degrees from the top of that. There is what looks like maybe flags on the golfing, on the golf course. About a third way up of the picture there is like a large, it's not really circle, it's more like oblong with rounded corners. It looks like maybe a bunker, the same bunkers on the golf course. There are ten of this flags things. There is one on the far left hand side. Down bit another in left hand side. These all facing the same way. Close to the large circle, the quarter of the large circle, there is another one facing the same way. Third way across the page from your right hand side, there is another one facing the same way. Became right up to nearly the round circle. Then one next of that about half it's length, starting half of the page. So all these flags pointing to the right. Then you got the ones pointing to the left. There is one that is on extreme right of the page and it's pointing left and it's about the similar size as the one that is half the size, next to the circle. There is one just below that and that sit on a little sort of bunker. Another oblong with rounded corners but that is below and smaller that oblong. Right on the middle of the page, going about two-thirds up the page there is another of this flags going to the left. There is one right next that pointing towards the large circle, so the quarter of the circle. Also pointing to the left with angle about fifteen degrees. There is one next that. This one has a large tick on it, a large flag on it.. There is right next to the one you just drew, but half it's length again and pointing the early edge, the left hand edge of the page. So these flags, they go up and across but they don't have the bottom part of them. You should have ten flags in total. Five pointing in one way and five pointing in the other way.

#### FIRST YEAR 15 - Review

Non-Architectural sketch: Easy too say where the things are on the page. Architectural sketch: Difficult to describe

# 1 - DIPLOMA YEAR GROUP - SESSION 1

#### DIPLOMA YEAR 01 – Description 01 (Non-Architectural sketch)

It's an abstract image. Basically, at the bottom of A4 page, is a very basic kind of oval. There is little up side down ticks witch come up. In the top right hand corner is a circle like a sun. It looks like an abstract pot flowers... (Oh God!!). So you got a little oval at the bottom and then you got six up side down vertical ticks coming out of it, they go to about the middle of the page. These four up side down ticks, they actually come inside the circle. About the midway up of those ticks, there is a very crude square just been draw. Inside that square are three up side down ticks again. There is one at the far left hand corner that goes up about three cm. There is one in the far right hand corner of that square. That one goes up a bit higher. There is one on the left hand side of that. So, there are three up side down ticks in the middle circle. Towards the top of the page there is one tick witch is just in the middle of the page, and not growing on circle or square. Go to the top right hand corner of that page. Draw a circle like a sun. Sun is shinning down on the little vase of ticks. In the far top left hand corner you've got a semi-circle. When you look at your drawing, a very nice drawing you've done, look at the very far bottom of the page. Should be a rough oval circle...should be... rough. In side should be like little flowers in a pot of vase. There should be six ticks going across from one end to the other. Above that very roughly drawing square. These tall ticks should run through the middle of this square. There should be three upright ticks. Above it a little tick witch is outside that. Top right hand corner of this page, is a little sun. On left hand top half of page is a semi-circle, actually a quarter circle, sorry. That's it.

# DIPLOMA YEAR 01 – Description 02 (Architectural sketch)

Basically a very roughly drawn floor plan... of kind... it's like a very rough sketch what you would find on tracing paper, witch is right at the beginning stages of design. Quite simple really. A large square to start. Just two lines through it, just to give an indication of thickness. Go to the bottom of the left hand square you have drawn. Draw a little rectangle witch runs from the left hand side. A bit of a gap between the two, from the left hand corner to the centre point of the square. Extend the wall of your square into the edge of the rectangle. You should have two shapes: a large square, on the bottom left there should be a little rectangle. The wall should run between the two of them on the left hand side of the square. What you must do now is mirror the top line of your rectangle to the bottom line of the square. From the centre point of the bottom line of the square, draw a line up to the middle of the square. Then draw a line across from centre point to centre point on the left hand side and right hand side of the square. So you have got the line going across. Next draw a little square box, towards the top right hand corner of the square. Leave a little gap between the right angle. Make sure it is separated. Move your pen to the mid-point of the left hand side of the square. Move it down a tiny bit to give it a little space. Draw a wall across, about a few centimetres do like a double line. At the end of the wall, draw another square. Just a small square, the same size as the one you just did earlier. Look quite estrange. There are a few odd squiggles in it. What you should have is a large square with a rectangle on the bottom left hand corner. Gap between the two objects. You should have a line going up from the middle point, bottom side of the square. Meeting another line running from left to right. A little box, top right corner, another little box like a satellite coming out of the right hand corner. Go to the square you should have on your top right hand corner, draw a line from the right angle on the far bottom left hand side. Draw a little line down. Make sure it doesn't meet the mid-point line. Put a little arrow on the bottom of it.

# **DIPLOMA YEAR 01 – Review**

A – Very difficult to describe, very trick to describe... sun... ticks

B - I think when you liking... Something like a sun you know how to draw. It's also difficult to know where to start drawing

A-Easier to describe the floor plan rather than the abstract image. Try describing like as we use CAD

B - I think describing the overall picture as in what the picture is about is very sketchy. Before you start describing what the actual contents are.

B – Getting the size of the drawing right is very difficult. Like how much of the paper you should be using.

A – First picture is like a portrait. I thought you would be drawing on A4, but didn't know how you would have your paper

Non-Architectural sketch: Very difficult to describe. Very trick... sun, ticks Architectural sketch: Easier to describe the floor plan. Try describing like use CAD

# 2 - DIPLOMA YEAR GROUP – SESSION 2

### DIPLOMA YEAR 02 – Description 01 (Architectural sketch)

A sketch line drawing. It could be a floor plan. Not quite sure, quite abstract. Basically is a square about 6 cm square on the page. To the right of that, coming out of the square is a pair of short lines with another square at the end of them. So it like a straw or a pipe coming out the side of that square into a very small square. It's about 8 mm square. On the bottom left of the square, there is a rectangle just below the large square. That rectangle is a half the width of the large square and again about 8 mm high. The large square is divided into two, with a horizontal line. So there is a top and bottom half. In the top half, it's mainly empty, apart from the right hand side where again there is a rectangle about 8 mm wide about half size of the large square. This time running vertically. The one to the bottom left of the large square is running horizontally. Ok? In the bottom half of the large square that is a sub divided again into two. So the large square is made up of a half and then 2/4 so it's made up as a rectangle and two smaller squares. In the bottom half of the bottom left hand side is then divided into three. Equal horizontal rectangles. This should be about the same size as the rectangle below the large square. Ok? In the bottom half of the large square, on the right hand side is a very small rectangle. This joins onto the pipe and small square. That's about 6 mm deep and runs horizontally. Not as long as half the square. That's it, I think. The large square looks as though it may have a double line on the outside. A sketchy outer line witch made me think of a wall. I'm not sure.

#### DIPLOMA YEAR 02 - Description 02 (Non-Architectural sketch)A

Abstract, obviously. Look like, a line drawing a T like Picasso would draw. Looks like, in an abstract way, a beach with trees in it. In a very abstract way. Starting at the top left hand corner there is a quarter circle takes across the top left hand corner. In top right hand corner of the drawing, witch is rough square. There is a circle about 9mm in diameter. Going to the bottom of the page, there are two turd shaped objects. The lower one is smaller than the upper one. Both of them are bellow the centre line of the

drawing. They are irregular squashed ellipses come rectangles. They both short of the width of the whole drawing. This is again about 6 cm across by about 8 cm high. It did look like an island and growing out of bottom turd are some vertical lines. They look like arrows with a arrow head only on one side. Some of the heads go to the right and some to the left. They're coming out of the bottom, they're six of different highs. Coming out of the upper turd, there are three at again different highs. The floating in the sky. fills up most of the page. At the beginning I said there was a quarter circle top left hand corner. There is a bit a scribble on that. Some sort of detail, just a tiny scribble line or two. Bit of shading. You should have a quadroon top left, circle top right, two turds bottom half the page, lower one smaller than the upper one. Lot of arrows going up. The arrows head are about 8 mm. The vertical part because the arrows are pointing upwards. They vary in length to about 2,5 cm to 5 cm. Tallest lengths coming out of the bottom turd. That's all...

# DIPLOMA YEAR 02 - Review

B - I thought, when I was drawing the first one, I became very distracted. I think it was because I missed the first instruction about the size of it. I tried to think back what he had said. Because I'd done the first bit I wasn't sure about it. This had an effect on the rest of it.

A - It was hard. I was trying to remember what I had already said. Trying not to leave anything out but truing not to make it even more confusing. If I could do it again I would make sure it was implanted in his head, exactly how big things were.

B - I did find with the second one that my partner would describe something and then later say: 'Oh yes, it's about 6 mm long...'

A - I found the second picture easier because it was more simple. The objects look like objects. Turd shaped...

B – Turd shaped is quite a good description

A - I can't remember if I said the upper one was slightly more rectangular, but you have draw it as that

B - The first one looks more sketchy, it looks a lot harder to describe. I would be able to describe the other one better than the sketch one.

A - It wasn't until I looked at it that I discovered I could find different ways to describe it. As I was going into it, I kept thinking... what is it? In some way I didn't notice it was a square, the4n half a square and a quarter of square. If I had said that at the beginning I could of used that as a reference. Then I could have fitted all the other bits in.

I remember at the end, describing this as a rectangle but looking at it now, it's not .... Rectangle. You could think of it as that piece there. I was trying to keep a mental map of what I'd said while I was describing it and that was getting confused....

B - I think if you had started off saying.... Dimension of the whole image.....where....dimensions...

(laughter)

Non-Architectural sketch: Easier to describe. Objects look like objects.

Architectural sketch: Hard to describe, more sketchy

# 3 - DIPLOMA YEAR GROUP – SESSION 3

# DIPLOMA YEAR 03 – Description 01 (Non-Architectural sketch)

It's a line drawing on a blank background. If you could imagine a representation of a sun in the top right hand corner. Just a circle, plane sphere or a plane circle. On the top

left hand corner of the composition would be a kind of a quarter circle as if it had been cut of the rest by the boundaries of the picture. Lower down the picture there is an kind of ellipse shape. Above it would be a m... with kind of extends across the whole width of the portrait picture. Above that, going up to the half mark of the picture is a kind of oblong shape with rounded corners. Crossing between these two shapes are large, long, linear number 1's, shapes like number 1's without the bottom cross line. These run through the lower ellipse and the more oblong shape. These extend right up just below the circular kind of sun representation would be. These run in both directions. Some have the tick across with the number 1 running to the right., some to the left. In total there are ten of these shapes with are spread to fill all of the space. They have different length, some are shorter some are very long. Running the whole length of the composition. Some just .... between the ellipse and the oblong shape.

### DIPLOMA YEAR 03 – Description 02 (Architectural sketch)

Again this is another line drawing. Resembles a kind of sketch for a plan. Kind of 'Bruno ....' Rectangular shapes. If we were to take a portrait perspective on this. Running the portrait of the page you would have a kind of wall formation. Just a thin extruded oblong. This would form the boundaries of a wall running from the left hand side the top would then be bounded by this wall structure. The rest of that would then be divided into a large rectangle shape, witch takes approximately off half of the composition. That would just be the boundaries by single line. If we were to take that rectangle shape and below it you would cut the remaining space in half with another single line. You would have two square shapes with would be created by that. The square shape on the left would be divided equally into 3 with double lines what could be walls. On the right hand square you have from the top of it a dividing line taking up  $\frac{1}{4}$ of it running horizontally across. Then from the where that horizontal line cut the boundary of that square. Then becomes a double line equivalent to the wall, analogy that we used earlier. This extends out the width of that square where it terminates in a square 2 cm square attached to the end. In the left hand square described early, below that again about the equivalent of one of the divisions in three, you just got a long rectangular shape. It is just situated about few cm below the last division. Just a oblong extend a little bit early about the square. Go back to the large oblong in the top of the composition. You got a ... it divided that oblong into quarters. The right hand quarter could be defined by a single line, the rest could be left open. Then in the top of that quarter you just have a kind of sinuous S shape line. Just a mark up the top right hand corner, a kind of 'post stand'. In the left hand of the two squares, below there will be almost figure... about but rotate round 90 degrees. In the left hand... sort of that...there will be a kind of scribbles, a kind of M situated in the middle of that section of the oblong. Then, just have two parallels lines running through the middle of that oblong. Below that square you have, where the line divides that oblong into two squares formations, you'd have a little emphases where divided into 3, you got a little oblong. Could be like representing a plank, a plank in plan. I just try in this basis. That's it.

# **DIPLOMA YEAR 03 – Review**

Non-Architectural sketch: Easy to remember what was there. Representing things: golf flags, sun

Architectural sketch: Hard to recall. Have any representation. A lot of small details.

#### 4 - DIPLOMA YEAR GROUP - SESSION 4

#### DIPLOMA YEAR 04 – Description 01 (Architectural sketch)

I'm looking at something that looks like a plan. It's very rectilinear in the centre of the page. Possible, I say, about 12 cm x 12 cm. If you imagine a square, but don't draw a square. Draw the top line of the square and the left hand side of the square. So you got a inverted L. From the right hand end of the top line of the square, it's a corridor about a cm wide, comes down about half way of the right hand side of the square. From the left hand side there is axes running horizontally across the page. Goes to the centre of the left hand side of the imagined square and it's about 14 cm. That terminates in a small square, which could represent a tower or some thing. If the square is splat into quarters, it's not, but if is split into quarters, the bottom left hand quarter is then subdivided into four bases below the axes, which runs across. So you have the inverted L with the corridor running from left to right and then up to close in a rectangle. The corridor beginning in the centre of left hand side, below that you have four bases which take about half of the width of the square to fill up the quarter. The central corridor terminates in a square, which could represent a tower. The bottom right hand corner is made up by double thickness lines which bring you up to the corridor and the single thickness line take you across to the base on the bottom hand corner. Probably the better I can.

#### DIPLOMA YEAR 04 - Description 02 (Non-Architectural sketch)

It's a more abstract image. Again to the centre of the page. Think it's a sort of representing trees, possible. But the trees are draw in a way it is... if you draw a arrow without taking your hand off the paper by drawing straight up and then down a short way a 45 degrees. If you stop there without complete the arrow, that's the sort of way trees are represented. So bit like a 'barb' fishing coco' or something like that. Straight line up and then straight line down around about 45 degrees. Some of this trees base the line is on the right some of them the line is on the left. They vary on sizes. The tree is then sit on two sort of circular elliptical shapes but not true ellipses but almost. Try to draw a square, sorry, a rectangle. Above these arrows there is a circle. The circle is drawn in the corner of the page. See a quarter of the circle. So you start with a elliptical shape, but not true ellipse but almost if it change to a rectangle with round corners. It's about 5 or 6 cm across and 2 cm high. Above that there is a slight large rectilinear elliptical shape probably, and half bigger and 1,5 cm width and 1 cm taller than the previous one. Separated by just 1 cm. There are ten sort of trees or vertical elements. 5 with the arrows facing one way and 5 face other way. I have to go through one by one. The first one is drawn in the bottom ellipse over the left hand side, into the first ellipse. The straight line goes into the first ellipse and then it pass it and straight down to the right. The next one starts in the bottom ellipse and goes up through the second ellipse, above it about a cm and down to the left. The next is slight slanted to the left, but again starts in the bottom ellipse, goes up through the second ellipse nearing to the left. Goes further beyond the last tree and down to the left. The nest one is just the same but straighter and slight shorter. The next one is taller, straighter and lease to the right. Just by the top of that one to the right and above it is the circle. The last tree element in the bottom ellipse is on right hand side and goes up about the same right as the second one that I described and down to the left. Then there are tree elements that start in the second elliptical shape above the first. The first is right over the left hand side and comes up about 3 or 4 cm and the arms to the right. Next tree element is about <sup>3</sup>/<sub>4</sub> of the way towards the right. It's about the same size to the others again the arm to the right.

Final tree element in the second ellipse is right over the right hand boundary and again the top right boundary and the same size as the previous one but the arm to the left. Final tree element is above the second ellipse so touching any ellipse about the centre of the group horizontally. It is about the same size of the last tree group with arm to the right. Finally in the top left hand corner of the sketch there is a curve, which is almost a quarter of the circle that's been drawing off the page. So it's a quarter of the circle without ..., just peering the circumference line. It's the better.

#### **DIPLOMA YEAR 04 – Review**

Non-Architectural sketch: more abstract. Difficult Architectural sketch: corridor...plan. Easy

During the review session, the students talked more about the architectural drawing, showing more familiarity.

# **5 - DIPLOMA YEAR GROUP – SESSION 5**

# DIPLOMA YEAR 05 - Description 01 (Non-Architectural sketch)

The image is black lines on white paper. It takes about 1/3 whole length full paper. Starts on the centre the same proportion as A1 but it tend portrait in the centre of the page. So start 1/3 size of the image. It doesn't have an out line but it compared a black line. A circle in the top right hand corner of the space. In the top left hand corner there's a semi circle. Then at the bottom there are two oblong circles one above the other taking the most space of the area originally described. There is one size on the bottom and other in the top. Oblongs going width ways and there are ten vertical lines that look like number one or number seven. Straight lines that come down about the top. That's all on this page. So basically composed: circle the top right hand, semi circle top left hand. Two oblong circles at the bottom. Several black lines in the centre. All right up with ticks on the top, like number ones. That's ok.

#### DIPLOMA YEAR 05 – Description 02 (architectural sketch)

It's about a square from the centre of the page again. Taking about half of format A4. Again it's black lines in white paper. It's quite architectural, it's quite sketch. This one is a quite large square in sketch format. Often the large square, draw a line going horizontally through the centre of it and then vertically through the centre of it goes down goes down, not in the top half. So you got like a rectangle in the top with two squares in the bottom. On the lower left hand side square draw another two horizontal lines dividing into three. This is also contained in the first large square. Again in the bottom left hand square you created in this large square. In the top third of that portion.... draw a cross on the left hand side in that top third. A sketch cross. Look at the square as a whole again, look at the top right hand side of that square about a quarter of the way in, from the top line coming down, draw a vertical line down only at the half point of the square. Then two horizontal small lines in the top portion of the area you just mock off. Hard complicated, isn't it. Look back at the square as a whole. Draw a line coming out from just below the centre of the square, coming out of the square to your right hand side. So way right hand. So coming out to your right hand side, out of the page. There are two lines like a 'prouk' coming out of the square. At the end of it draw a small box, attached to the end. Go back at the large square as a whole. Go down to the bottom left hand corner of the square. The other side now. Just extend the left wall of the square slight further down. Just make down bit longer and then draw a oblong coming out under the larger square. So almost the replicate the third you divided in the block of square originally. So it's a small portion coming out the bottom left hand side of the large square. On this is a oblong box. It's quite sketch, nothing is quite exact. I think it's the better.

#### **DIPLOMA YEAR 05 – Review**

Non-Architectural sketch: Easy to describe. Very simple picture Architectural sketch: Hard to describe. Try to describe how to draw.

### 6 - DIPLOMA YEAR GROUP - SESSION 6

#### DIPLOMA YEAR 06 - Description 01 (Architectural sketch)

It's a architectural sketch. Looks like a plan. Basically a square in the middle of the page, about 10 cm on each side, with some division dividing into two rectangles. The division is going across the middle of the square horizontally. The lower rectangle is again subdivided into two squares with a vertical line. Basically it is the layout of the thing. About one cm down from that first horizontal division that you drew, there is a line sticking out the side of the rectangle, which is double line. So it's a cm down that line and sticks a cm into the rectangle and three cm out the rectangle. There is a little square in the end of that. Like a light spot. That little square is about one cm square. On the top half square, the top rectangle that hasn't be subdivided yet. There is a line down on side, a vertical line down on side dividing a one cm width stick, a vertical one, on the end of that rectangle inside the big square. Just to recap: In the big square, we have it divided into two long rectangles, top and bottom. We have a little fly what looks like a light spot in the bottom one. We have a little stick in the top one. The bottom of those two long rectangles is subdivided into two squares. The left hand of these two squares I just mentioned, is now divided into three with horizontal lines, so it's about...I don't know... equally divided into three horizontal divisions by two lines. If you can take two of those new long rectangles just created on those subdivisions, a little third basically draw two of those on the bottom of that square. So also sticking out of the big square. Going back again. Big square, subdivided into two long rectangles, top and bottom. On the top one you have a little stick on the side, on the right hand side. At the top of that, inside this little stick, there is something approaching vertically its relation pattern. A kind of pipe out about a cm. Going back again. Big square. Two horizontal rectangles. Left hand square of lower rectangle, the top corner of that little rectangle, its got a cross. A very quickly cross about a cm square on its left hand end. As a multiplication sign. Nothing too neat. A line going from there, horizontally from the right hand side of that cross, more or less to that subdivision that I mentioned, of these two rectangles on the bottom rectangle of the big square.

#### DIPLOMA YEAR 06 – Description 02 (Non-Architectural sketch)

It is more a tri-dimensional picture or what it seems. There is a rectangle which is just... it is not drawing but part of the print, sitting on middle of the page. It's a long line rectangle about ten cm width and about fifteen cm high. That is the frame of what you will draw. At the bottom of that rectangle there is some sort of... basically it is an oval shape but being flatting in this distinct hand drawing. Not really oval at all but more sausage. Above that there is a slightly fat of that. The first sausage is about two cm high

and stretch most of the width and it is centered. Most of the width of the rectangle. The second sausage is about three cm high, slightly longer and slightly square at the end. Top left hand corner of the rectangle we have a quarter of circle about two cm in radius. The quarter circle has a 90 degrees angle with the rectangle that you just drew. Opposite that, on the top right hand corner, we have a little circle about 1,5 cm in diameter, not radius but diameter. That sits basically opposite the quarter of circle, that quarter arc. Sticking out of this, if you think the two sausages, they look like tolls of water or something. So again tri-dimension on what you drew. Sticking out then, there are a lot of almost vertical lines. Out of the first sausage we have six lines. I should go from left to the right. Very equal stages across the vertical rectangle roughly. They still have different bits of depth of this part that is going back. The first one is a vertical line that starts near the left hand end of the sausage and goes up about 4 cm. The second one another cm longer and further back goes up 5 cm and sticks slightly up to the left. The next one again a cm far from that. Same position on the depth of the sausage, sticks out about 8 cm and slightly to the left. One after that is very close but is based towards the front of the sausage, goes up straight about 8 cm, so on the rectangle becomes lower that last line, because it's close to the front of the sausage. Next one along a cm, same death in the sausage, up ten cm. That's coming just about the circle, which you drew at the top right hand corner of the rectangle. The last one is right on the right edge of sausage, slightly to the right with depth about 5 cm. Now on top of each of those, there is another line that's coming down about 45 degrees for about a cm. On the first, line is to the right. Second line is to the left. Third line is to the left. Fourth line to the left. Fifth line to the right. Sixth line to the left. That's the little line coming down. On the back sausage we have three of these vertical lines. The first one on the extreme left hand end towards the front of the depth of the sausage. This is about 4 cm, comes down to the right that 45 degrees line. The next one in this sausage is between, apparently between because of the perspective, is between the fifth and the sixth lines of the first sausage. Middle of that second sausage, up about 5cm, down to the right 45 degrees and one cm. At the very last one on the extreme right hand end of the sausage, towards the back of the depth of this second sausage, up about 5 cm and down 45 degrees one cm to the left. And finally between the third and forth lines of the first sausage, we have another line, which doesn't have space in one of the sausages but is in fact in the background, a cm above the back sausage. Going straight up 4 cm, coming down to the right of that 45 degrees line, one cm down to right 45 degrees. I think that's it. Hang on. There is a little scribble on the top. That is silly. That's all.

#### **DIPLOMA YEAR 06 – Review**

Non-Architectural sketch: Easy. I know what sausage looks like.

#### 7 - DIPLOMA YEAR GROUP – SESSION 7

#### DIPLOMA YEAR 07 – Description 01 (Non-Architectural sketch)

If you have your paper portrait, in the top right hand corner draw a circle. Top right. Then on the left hand corner, at the top, draw a kind of quarter of circle, but it is the bottom right of the circle. Do you see what I mean? Just like a arc or something. Right at the bottom of the page, if you imagine a kind of portrait format, I want you to draw a kind of long oval shape. It has rounded edges. Right across the bottom, like oblong shapes. This is all 2D by the way. After you done that I want you to draw a vertical line and there are six of these and they all coming out of this oblong shape. Draw a vertical line up and them, it's like a up side down tick with a little stalk bit at the top. If you draw nine of them, it's kind a quite arbitrary here and there. All coming out of this oblong shape at the bottom. So there are nine of those. All different length. So near to the top circle, some half way, some in the middle. On the top oblong shape you drew, at the bottom there is another oblong shape a bit just above it. a little bit longer and a littler bit bigger. After you done that second oblong shape, there are three of those up side down ticks coming from it. One on the left and two on the right. After you done that, there is one more up side down tick. If you start in the middle of the page, right in the middle, just draw a up side down tick there. That's all on this drawing.

#### DIPLOMA YEAR 07 – Description 02 (Architectural sketch)

This is a lot different to the first one. Nothing rounded, all kind of plane shapes. If you just draw a big square, probably the size of A4 format, a bit A4 square. The bottom left corner of this square, I want you to draw a rectangle underneath it and half way of the square. If you not mean, the width is half the square and the deep of this extra rectangle at the bottom. It's only about an eight of one of the length of the square. So I want you to draw a line straight across the middle of square, so dividing it into two. Know the rectangle that you drew in the bottom left corner? If you rotated it 90 degrees, so you have a vertical rectangle. I want you to draw one at the top right of this square. On the right hand side of this square, of this big square, I want you to draw...not, ignore that. The line in the middle of the square that you drew, draw another line underneath it. The same width as the rectangle you've been drawing, so it's a double line, parallel line underneath that. After you done that, on the right hand side of the square, I want you to extend that second line, the one further down, extend that line by a third of the square. On the end of that extended line, I want you to draw another square, but this square is the same width as the rectangle, the short width of the rectangle. So you got like a big square with the line sticking out and a little square on the end of it, on the right hand side. What else is there? You know the right hand corner, right top corner of big square, there is a rectangle. At the top of the rectangle, inside the rectangle, there is a scribble. There is a S shape, a scribble, but is actually a reverse of a S shape. If you mirror a S, that is what you need to draw on the top of the rectangle. The top half corner, not the top, sorry. If you look at the left hand side of the big square, the line down there, just underneath the line you drew across the square, dividing into two, putting a cross just underneath that line, in between the two parallel lines on the left hand side. Just do it like a cross. If you look at the bottom half the square, ignore the second line you drew. If you divide the square into three, so the whole thing is in six divisions. Just look at the bottom left corner of those... I'll start again. You divide the square into half, the top half and the bottom half. The bottom half, divide again. So draw a line, so it becomes quarters. In the bottom left corner, you got a quarter of the square. Divide that into three, so you got one line there. Then draw a second line, so you got thirds now. Again it is all horizontal lines. I think it's about it.

#### **DIPLOMA YEAR 07 – Review**

Non-Architectural sketch: Much easier. Simple. Architectural sketch: hard to describe

#### 8 - DIPLOMA YEAR GROUP – SESSION 8

#### **DIPLOMA YEAR 08 – Description 01 (Architectural sketch)**

It's a free hand sketch. Looks like a plan. A square. Half way down the square look like a kind of corridor. With an extra square attached on the right. Above the corridor on the right, along the right hand side of the square there is a kind of section that is very small corridor with the length of the square. In the main square there are also another small rectangle which is to the bottom left hand, just off a little bit to the main square. In the central corridor that I described in the middle of the square there are a lot of scribbles.

#### DIPLOMA YEAR 08 - Description 02 (Non-Architectural sketch)

It is another free hand sketch but not architectural sketch of a building. Starts in the top left with a quarter of a circle. A bottom quarter of the circle. Top right the full circle but much smaller then the other circle which is incomplete. At the bottom of the page you got a kind of oval type pound shape, which is full width of that. Above that pound you got a slighter big one but more rectangular one. The any other thing are ten lines. All have like a tick on the top of them. All the ticks go in different directions and have different sizes. The first tick start to the left, quite small and the tick go to the right. The second tick is much bigger and the tick go other way, to the left. Another tick is almost near the circle and then three smaller ones.

# **DIPLOMA YEAR 08 – Review**

Non-Architectural sketch: Hard, abstract. Architectural sketch: easier. Make sense to me. I can remember what I said.

# 9 - DIPLOMA YEAR GROUP – SESSION 9

#### DIPLOMA YEAR 09 – Description 01 (Architectural sketch)

The first sketch is based around a fairly small square about 3 inches long each side based in the middle of the sheet of paper. There is a horizontal line dividing the top and the bottom part of the square, so at the bottom of the square there is a vertical line dividing those two halves. In the bottom left hand quarter of that square there are two horizontal lines dividing roughly into three parts. In the top right hand corner of the large square there is one vertical line giving a small rectangle roughly equal in size to the three in the bottom left hand corner of the main square. The length of three rectangles in the bottom left hand corner of that main square is another small rectangle slightly longer in line with the left hand edge of the main square and slightly below the main square. If you imagine the horizontal line dividing the top and bottom half of this main square project it out about an inch this forms the top right hand corner of the small square, each side of that square is roughly the same as the width of the small vertical back in the top right corner of the main square. Right across from this small square to the big square 3 inches either side of the horizontal lines in the bottom right hand corner of that mains square near the top is another one small horizontally placed rectangle slightly smaller than the twig in the bottom left hand corner of the main square.

#### DIPLOMA YEAR 09 - Description 02 (Non-Architectural sketch)

Ok here we have another fairly small sketch in total its about 2 and a half inches wide and about 4 inches tall. Occupying the top right hand corner of this space is a small circle about two thirds of an inch across maybe a quarter of an inch across from the right hand side in the top of this imaginary rectangle. In the top left hand corner of this a quarter of a circle coming from the top left hand corner coming downwards and right maybe about an inch. In the bottom area of the sketch at most about 3 quarters an inch tall is a sort of flat oval extending most of the width of that sort of 2 and half to three inches. Above this is a slightly taller and more rectangular shape but with rounded corners, then coming from these two oval shapes are a bright in a bowl a near vertical lines each one been a small line coming from the top so it makes a sort of half of a single arrow. There are 10 of these in total at various heights and with various heights is of small lines coming up with big lines. I think that's all again.

#### **DIPLOMA YEAR 09 – Review**

I think that one is easier to describe well it felt like it was easier to describe ?? You were telling it as a story you kept on going from one thing to another, right rather than relating it back to a start point, and then I lost it because you were talking about this bit and then id speak to you about this bit and then – so it was clearly one bit that it all kind of ???? And when you were saying arrows I expected it been arrows like this way, not up. When you said projecting up I imagine it projecting that way, not that way. I'm not very good with triangles.

Architectural sketch: I think that one is easier to describe

#### 10 - DIPLOMA YEAR GROUP - SESSION 10

### DIPLOMA YEAR 10 – Description 01 (Architectural sketch)

The thing you are going to draw is a plan. Basically it is a plan. It's rectilinear. Two straight walls at 90 degrees angle. Very rough the two walls. One of them are two-thirds of the other. On the other side, this is small open. There is one large space, I think should be a bedroom or what looks like a walking and wardrobe. On the other side of this space there are a lots of scribbles but I'm not sure. Basically taking your drawing from the north, these walls at north and west side are big blocks, quite thickness on the plan. On the other side is more open. There is a large space on the north and west, which is the whole size of north wall and half size of the west wall. There is another small space, which goes on the under west, to west wall to half way to the north wall. That wall is then in the bottom then south. There is another space, which connection to that follows the each wall which is a continuation of the other room. Then half way down on the east wall, there is a wall just outside the space with a square box on the end of it. That's all.

#### DIPLOMA YEAR 10 - Description 02 (Non-Architectural sketch)

It's not architectural drawing. Looks very challenger any way. The best way to describe is that it's looks like a sea. There's a circle in the top right-hand corner that is suppose to be a moon or sun. There is another large quarter of the circle, it's quite large and is the section of the circle, which goes to the top left hand corner. Just a quarter of the circle. Down to the bottom of the picture there are, I think, what must be two pounds maybe. Two kinds of rectangular boxes, but it are not exactly rectangles. Shape of a Lakeland with cute edges. Some sort of sticks straight sticks up with a line attached, coming to the top of it and angle about 60 degree from the horizontal and about 30 degrees with the vertical. So I think it must be a representation of a plant. Must be sticks in a pound. Looks like basically pounds and sticks. They look like that.

#### **DIPLOMA YEAR 10 – Review**

Non-Architectural sketch: Simple. Easy to describe Architectural sketch: more difficult

#### 11 - DIPLOMA YEAR GROUP - SESSION 11

#### DIPLOMA YEAR 11 – Description 01 (Non-Architectural sketch)

It's an A size format. It's a series of lines. There is no fill just straight lines, some curve lines. An imaginary scene of reeds around the lake, over the lake. Towards the bottom of the page, for about half way down, there are two oblongs with curved corners. The top one of two is slightly bigger of the bottom one. The bottom is slightly more rounded. You got these two oblongs, which I think are lakes at the bottom of the page. The top right there is a small circle, which is probably the sun. The top left there is a quarter of the circle, which is bigger than the other circle, which is the sun. It's about a quarter of the page in radius. It's quite suit curve. Then you got the same sticks from the lake going up with the tails on it. Have you start drawing? I'll probably continue through the sticks. You got ten sticks. Some of them start in the bottom lake, some start in the top lake. One of them is just floating. They got like a little stalk pointing diagonally down, even left or right from the top of it. They are a straight line and then have a little stalk coming down. I'll start from the left. In the upward of the two lakes, there is a small one joining about half way the page, starts the left edge of the lake. Goes up. It's quite short and got a little stalk and goes down to the right of the top. The next one to the right, starts in the bottom lake and goes up and doesn't go pass the top lake. It goes just a little bit in the next lake and its tail goes down to the right. The next one to the right starts on bottom lake and goes up through the next lake and stops about the middle of the page. Its tail goes back to left downwards in between the last two stalks. The next one to right again is the same as the last one. Starts in the bottom lake, goes up nearly to that quarter and then down to the left. Then we have one to right of that, which is floating. This one starts above the top lake about half way the page, goes up and then the tail goes down to the right in about middle of the page. Then we have one straight in the centre of the page, starting in the bottom lake and goes straight up. It doesn't go as high as the last one and its tail goes down to the left towards the last one. Then we got the next one to the right, which goes from the bottom lake all the way up, the same high as the floating one and then down to the right. Its tail is quite close to the sun circle. The next is a short one, which starts on the top lake this time, straight up towards the end of the last tail and its tail slightly flat going to the right. There are two more sticks to go. The next one starts in the bottom oblong, goes up to below the tail of the last one and its tail goes left underneath the last one. The last one is at the end of the page on the right of it.

#### **DIPLOMA YEAR 11 – Description 02 (Architectural sketch)**

We've got a very sketchy plan of a building probably. It's a rough square. Start drawing a very sketchy square, nearly full the page but slightly to the top left. Top and left hand side of the square there's slightly more emphasis with few more scribble pen. Become a horizontally line crossing the centre of the square, just a straight line across. If you imagine it in quarters, at the bottom left hand quarter there's two lines splitting that quarter into thirds. Each of those appears to be walls with double lines. There is single stalk making the bottom, dividing the bottom half of the whole square into quarters and then goes down to the edge. Beyond the edge, beyond those two bottom lines there's actually another two lines out side the square and the same size. The left hand side of the square extends to meet the corner of those two lines. Those two lines out side of the square are on the right hand side. There's a vertical but only join the two out side the square, doesn't join with the main square. There's a little square, a tine square at the right of the whole big square, in the centre. Just below the centre line about, with the gap about these two of these small squares, so a little square out side. The thickness of that square, if you imagine again, back across the main square, there is like a width probably start away or that sort of bit, that is indicated by two lines going across the whole square and going out into the little square. There are some scribbles that have been attached on top of this. On the left hand edge, just below the centre line running horizontally, there is like an extra room, the same size of the small square. Next of that, still in the bottom quarter, is a scribble of a backwards shape N. There are more sketchy scribbles slightly to the right, which indicate the centre point of the whole square. In the top section of the square, right on the right hand side, about the width of that small square, which is about a eighth of the total, there is a line running vertically from about an eighth down the middle line. At the top of that channel you drew before, there is a backwards-S shape. Like a scribble, which is like when we draw insulation or sort like that. At the bottom right of the square, on the vertical side, there is extra thickness extra lines. A bit emphasis at the bottom right and the top left of the main square is also emphasis where are scribbles like pen. In the central channel that runs horizontally, below that on the right, below that channel you drew in the right, there is a little small rectangle just below the left hand line of that channel, inside that channel but in the next channel now. In the right of the square, on the central line, there is the letter D facing down. Looks like a semi-circle just out side the main square, like a letter D facing down. At the bottom left of all you drew, set out side of the square, with the left hand edge of the square running down into the outside lines, that's actually like a little line down just outside of that line. Between the square and the outside lines and that's give ends by little lips that going across horizontally to make the small section wall or like this. Top line of the whole square is made about five or six deep strokes and its little sketchy bits crossing it At the bottom middle of the main square you drew first there is a couple of little sketching, tine little sketching circles, which I think just make up corners, basically make that corner. In the bottom left corner of the main square, where you drew those two horizontal lines with double lines, to the right where meeting the next quadrant on the right, actually one of the lines extends about a cm on this page and goes up into that horizontal channel. That's about it.

#### **DIPLOMA YEAR 11 – Review**

Non-Architectural sketch: Trick to describe Architectural sketch: Hard to describe

#### 12 - DIPLOMA YEAR GROUP – SESSION 12

#### DIPLOMA YEAR 12 - Description 01 (Architectural sketch)

I think it's a plan or some thing, but it is very sketchy. It's not very clear what it is. Basically if you draw a square about 6 cm by 6 cm. Have you done that? Draw a horizontal line across the middle of the page. On the bottom half of that square you splat, divide that as well into half again. So you should have one more rectangle and two small squares. Then divide the bottom left square into three equal sizes horizontal strips. On the top of one of those strips, there is a cross that should represent a lift boil or some thing occupying the left about a third of that strip. In the right of that there is a horizontal line through the middle and a little scribble that looks like a sketch of a stair or something. On the bottom of the large square you drew, there is a further long line rectangle. I can't describe it. Hang on. You should have a large square split into two. A bottom half split into two. Left half split into three strips with these things, cross, sketches that I think represent stairs in plan. If you go to the bottom of your large square, basically draw a kind of oblong tine rectangle horizontal. Starts on the left edge of the big square, but off set on the bottom of it, finished just beyond half way. I can't describe that. The horizontal line that you drew across the middle of the large square there is a long rectangle in the right half, underneath, in the right half of that as well. I'm not sure what it represents. A kind of a gap in the end, that kind of long tine rectangle occupying part of that right hand little square. I don't know if it makes any sense at all. In the bottom of that there is a single line that projects about one and a half cm out of your large square and finishes with kind of a little sort of six or seven mm square on the end of it. Apparently if you look at your large square that you drew at the start, at the top half of it, there is a long tine rectangle going vertically up to the right hand side of that, which points ticks about six or seven, of the total size of the width of the square you drew initially. At the right hand side there is a bit of scribbles on the top of that. I think it's about it.

### DIPLOMA YEAR 12 – Description 02 (Non-Architectural sketch)

The last description, the whole thing was quite sketchy, this is a single line. This one now is still sketchy but each line look very definite while having rough edges. But looks more like 'kall....' representation of something. It looks like a sun in the top right hand corner of it. Just a circle. Below could be a representation of trees or flowers in the vase or something. Each of those is drawing as vertical lines with a diagonal line down from the top of it. I don't have the engaged drawing accurately. If you put the page in portrait or drawing a rectangle in portrait format, at the bottom about fifth of it, draw a rough quite long horizontal oval. Above that in more space, draw another one but slight width taking a little more space. In the top fifth of the space, in the top right hand corner, draw a circle, which is the sun or something. On the left hand side of that there is a quarter arc, which cuts the corner of the page. Does it make sense? If you go to the ovals you just drew, in the bottom one, there are six of these vertical things, maybe trees or something. Starting from the left, in the space, except the last with double arrows. Starting from the left, the first one goes up just below the top of the upper oval, and it has a down diagonal tick, I suppose, going down to the right of it. The next one goes up and finishes a short little way above the top oval and has a left diagonal on the end of it, which is longer than the previous one. The next one is vertical, quite not actually, and got a slight angle from the bottom of it and goes left of it and finishes with another tick with the similar length of the previous one. The next on is kind in the middle of the oval. It's not pretty vertical, and like the previous one it finishes about <sup>3</sup>/<sub>4</sub> way up the page. The next one finishes not far, the middle one, not far below that and again the tick on that goes to the left. The next on e is vertical and finishes, the last one was <sup>3</sup>/<sub>4</sub> and that is more like 7/8 way up the page and finishes just in the left the sun you drew and the tick on that goes to the right of it. The final one, which is big further apart from the others, goes up about half way up the page and the tick to the left. The ones coming from the upper oval, there are three of them. The first one starts on the extreme left of the upper oval. So in the left of all ones you drew previously. It goes up to about, starts from near the bottom oval and goes up from the bottom of that oval length, double high of the oval and has tick to the right, diagonal to the right. Quite short one. The next one from the left is between the last one on the right, in the previous oval. Starts from the middle of the upper oval, goes up about one and a half times the size the oval and has a tick to the right. There is a final vertical one on the far right top oval, which goes to about two-thirds length the page and has a tick to the left. There is more of these vertical things, which is not coming from nether of the ovals, but kind of flying on the sky. If you look at the bottom oval and the vertical element you drew, look at the third and forth one to the left. It starts between those two from above the upper oval, a distance about half a width of the oval format and goes up vertically to sort of the high of the sun. The bottom of the sun you drew before and has a tick diagonal to the right. So you should have something that looks a sort of state with funny diagonals bits on the end, standing in some oval. But you know what it is going to be.

### **DIPLOMA YEAR 12 – Review**

Non-Architectural sketch: Hard to describe. More abstract Architectural sketch: Easier to describe. Easy to relate, lift, stairs. The shape contain the elements.

### 13 - DIPLOMA YEAR GROUP – SESSION 13

#### DIPLOMA YEAR 13 – Description 01 (Non-Architectural sketch)

It's a picture on a portrait page. In the top right corner there is a circle like a sun. In the left corner there's a quarter of the circle, but much larger. Just the bottom right hand corner of the circle. At the bottom of the page there are two very roughly drawing rectangles, which find across the page. Coming out of the rectangles there are several vertical lines. Smaller at the sides and longer at the middle. At the top of them, they have half arrows, a kind of side. There is one which comes from behind the second rectangle which is the shorter one. There are actually ten on total.

# DIPLOMA YEAR 13 – Description 02 (Architectural sketch)

This is a sketch of a plan. Basically a large square in the middle. Very roughly drawing with a lot of lines in the top of each other. There is a line across the middle of it dividing in half. Here is a line very close to it, which comes out of the square, to the right. To the end of that line there is a smaller rectangle, which is taller than width. Again very roughly drawing on the blank of the top of it. They extend and pass each other in the corner. To the left of the rectangle you just drew, in the middle of the square, there are a couple of crosses, which make boxes. There is a line slower lower than that one which is through the square. And it goes half way from the left, connected with the main extruded line. In the bottom left hand corner, which is divided off with a tine line. The things at left are divided in half vertically with a couple of lines. Below that there's another rectangle, which is slightly spaced away from the box. But connected with that with a very sketching line on the left hand side of it, to the bottom left hand corner of the box. On the top right hand corner of the box there is a vertical line, which is quite close to the right hand side. Right to the top there is a kind of shape of letter two, which connected both of the lines of the right hand side.

#### **DIPLOMA YEAR 13 – Review**

# Non-Architectural sketch: easy one Architectural sketch: confuse

#### 14 - DIPLOMA YEAR GROUP – SESSION 14

#### DIPLOMA YEAR 14 – Description 01 (Architectural sketch)

Have you got an A4 piece of paper in front of you? You turn it, so it's horizontal position. Right on the centre of the piece of paper you have to draw a very sketchy square about eight cm by eight cm. Imagine the whole drawing is drawing in a grid. It's kind of slightly off centre, on about three degrees. Is that making sense? I'm looking at a really sketch. A sketch of a plan basically, looks like a sketch for a plan. Probably you need to draw one kind of line very solid, not sketch line through the middle of that, horizontally. Let me think. It's got like little small sketchy box on its right, which is about one and a half cm in a kind of measurement and about four cm off to the side of the original box. This small electrical on the side, the top of it, forwards in line with the line you just drew, draw the centre of it. Is that making sense? That's look quite sketchy as well, draw like four lines or five or some. Then at the very bottom of the main box, there is another like rectangle, which is longer than tick and that is probably about one and a half cm high, but it extends side ways horizontally from the bottom left corner of the main box and extends out to the right by just over like half width of the horizontal width of the main box. That's kind like the proportions of it, but it is kind of sat down off the main box by one and a half cm. Is that making sense? Basically a rectangle, slightly wide than the half width of the main box and one and a half cm high, it's away from the main box by about one and a half cm. It starts on the bottom left hand corner of the main box. Sticking these same lines off the small box here. There is a line connecting it to the bottom left hand corner of the main box. If you imagine the flat kind of line you created in the main box, on the left hand side, just continue it down forwards and just draw the smaller box. Is that making sense? If you get back to main box, in the bottom half of the main box, it has been divided into two by a kind of vertical line. Is like very frame line, is just one, single one. So it's split in half. Is that ok? Let me see. In the main box, in the bottom half, and we are in the left section now. Is that making sense? That section seems to be divided in approximately three parts. Imagine you drawing a sort of like there is a thickness too. Is divided into three parts almost equal but they're not quite, probably near they are. It is been divided with what probably should be like wall or kind of like, with two lines very close, very close together but separated. So looks like a wall. There are two of those dividing into three. You got those there? Did I say that go horizontally? Is that all making sense? In the top third of that section, in the bottom left section of the main box, is that making sense? It is divided into three. In the top of one of those three is somebody's drawing on the left hand side, which again is divided by probably about three. There is somebody's drawing, a cross in one motion. So draw a cross taking about half of the page. Just a bit to the right of that, there are kinds of signs, but a sort of just crossing over the centre line of the main box. Imagine a kind of backwards N. starts from... oh dear it's difficult. If we were in the main box, in the bottom quarter that we've been working in, in the top third of that, it starts probably along the half way line of that box. It's about one cm from the right hand side of it, and then you just drawing a kind of backwards N with the top of it just crossing over the centre line, if you didn't do it already. Then, just out from that, just

below that, there is a single line stretching out. Starts from the right and goes out towards the cross, quite rich it. From the centre of the cross there is a very shorter two cm line that starts from the centre of the cross and goes down to the right. There is just a very short line crossing both of those two lines you should just drew. Is that making sense? Scrap up it, a bit very difficult. If you go back to the top half of the main box, to the right of that you need to draw a line that would probably be about two cm from the right side of the main box. Yep? Starting from the centre line and going up to about one cm in the top of main box, is that making sense? You need to complete that rectangle by going it back to the right hand side of the box. I think it's that kind of entrance or some kind. So there is just a little sort of horizontal line going across the right hand side, no, there is a smaller horizontal line crossing over that right hand side of the main box, in that little kind of gap in the top of the rectangle. Is that making sense? In the top half of the main box, there is a kind of rectangle thing. Have you done that? You should have just drawing a vertical thing to the right hand side of it. Ok, we leave it. It's not important any way. This picture is quite ridiculous. You know the little bit like a stalktail you just drew? Ok, that's connected to the main one, it's connected to the main plan, a main plan what I think it is. It's connected by two horizontal lines that again should be a representation of some kind of wall from above. They basically start on the satellite box. On the satellite box they start from kind of half way down on the left hand side and probably be about a kind... remembering the early walls you drew? It's probably twice of the thickness of one of those. It goes into the main box, goes about as far as... no, too complicated now. You got like a main box divided into what say, what like a wall. Imagine it divided into quarters and got the bottom right corner. It extends horizontally about half way of the bottom right hand quarter. One of those lines continues to about, the top one of those lines continues to about one cm away from the left hand side of that right hand quarter. Where that finished you connected it back up to the centre horizontal line of the main box. In the top half of the main box, I'll ask you to draw a kind of line about one cm away from the right hand side. Have you got that line? In the top one, in the top right hand box into the top box, from the right hand side, there is a line that is vertical about two and a half cm out from the side of it. I think it's probably what can be seen in that page. If you draw a vertical line, two and a half cm out from the right side of that section, then that extends from the horizontal line that divides the entire main box, up to one cm from the top of that main box. Then that continues into the right a kind of more, and in the end of that draw a horizontal line to make the right side of the box. There is another horizontal line about two and a half cm below that, a kind of like cuts off a little room, a little box, a kind of rectangle that has been created there. And there are just a width ness signs on the middle of it. If you imagine that kind of rectangle you just drew, the left line that you drew, continues down into the bottom half of the main box and running up to the two lines you should have drawn from the satellite box. There are just two more things, one more thing really. Take the main one, the main box, take the box in the bottom left quarter, divided into three bits. Take the top one of those three. We want the bottom line of that. That line extends horizontally into the bottom right quarter of the main box by about three or four cm. Is that making sense? There is vertical line drawing join that line that comes from the satellite box.

#### DIPLOMA YEAR 14 – Description 02 (Non-Architectural sketch)

I'll just describe it first. I'm looking at a kind of selection of horizontal, sorry a selection of vertical arrows. Just draw a kind of one main line and two lines even happen. Imagine taking away one half of the end of the arrow, just one diagonal at the end. I'm looking at a selection of those at different highs and with different lengths

from the end of it. Horizontally pointing upwards, but there are slightly angles as well. It looks like a sort of selection of reeds or something like. Selection of kind of reeds by a kind of lakes or something at night, but a very abstraction of it. In the top left hand corner of it there is a sort of a quarter of a circle. Is that making sense? A line that is a quarter of the circle, that looks like representing a moon or something. There is also another complete circle as well, on the page but up on the right. There is a kind of a couple of ornate on the bottom of the page. So that's all on the picture but I'll try to put in a kind of order. So all the things on: There is a selection of those arrows things. There are ten of those. There is circle, there is a quarter of the circle and there are two ornate things as well. I think it's a photocopy or scanner of a A4 sheet of paper. Basically it's a line drawing but I can see a kind of shadow of the A4 piece of paper. Make a kind of invisible A4 sheet of paper in the centre of your sheet. We are talking about this thing being about eight cm wide by thirteen or fourteen cm high. Is that making sense? That's the page. From the circle or the sun, is one in the top right hand corner, up from the right by about one cm and down from the top by about one and a half cm and it is about three cm in radius. No three cm across, diameter isn't it? Yes, sorry three cm diameter. Then a quarter of the circle is in the left corner and that would be in radius, probably about something like five cm, but if you imagine it starting one cm from the left side and finishing one cm from the top. Taking those two points and it's about five cm radius. Is that making sense? Ok, let's try this way. If you take a point from the top left hand corner, one cm from the left and one cm from the top. Imagine drawing a quarter of a circle with five cm radius. Is that making sense? If you have like a par of compasses and you took the point one cm from each side, is the point where you stick the sharp and draw a quarter of circle, so five cm out. Then we'll go to those two little bits. They are sort of like free hand rectangular ovals. Is that making sense? There is a smaller one that goes about four cm in high and sits about one cm on the bottom of the page and about one and a half cm in from each side of the page. And just draw that kind of free hand oval thing. Is that making sense? Have you done that? Above that there is another one of those, one cm up of the last one but slightly more angular and slightly bigger as well. So just draw another one of those but slightly angular and rectangular and slightly larger above it. That's all, I think. Except that we got a small piece of artistic interpretation. There are ten of them. None of them overlap basically. The thing is, that six of them start in the lower rectangle, in the lower kind of rectangular box and scratch up towards its kind of moon at the top, at different lengths. There are six of those and the central three extend up really quite up the page. Almost reach that line and the two spheres in the top. They are like missing about one cm, the central three of them. Two go to the left and one goes to the right, the arrowhead in the top. There is one to the right of those, on the far right of the rectangle and with the arrow going to the left, but not nearly at all. There is one on the far left of that lower box, that's short one and, if you imagine you drawing a vertical line that is not even go beyond the rectangle above it and the arrow to the right. One more just to the right of that, that goes up above the rectangle, the second rectangle and has a very long arrow that goes to the left. There are three more arrows that start in the rectangle above. One is one that in the right to far left and just misses the previous you drew and the arrows go to the right and it's about six cm long maybe. There is one in between the two furthers right arrows that start up in the bottom section. And that arrow goes to the right and goes maybe about seven cm. There is a far right arrow as well in the bottom section about eight cm high and the arrow go to the left. There is one more and that one starts probably about two cm up from the top of the main rectangle box and sits between the two of the arrows that start in the first one that we were looking out. It sits between the imaginary corner of the left hand side of first rectangle, just between the third and the forth one. It extends up about one cm away from the quarter of circle and the arrow goes to the right. That's it.

#### DIPLOMA YEAR 14 – Review

The students didn't point a harder or easier sketch to describe.

# 15 - DIPLOMA YEAR GROUP – SESSION 15

#### DIPLOMA YEAR 15 – Description 01 (Non-Architectural sketch)

There are two large horizontal shapes at the bottom of the page. One above the other. At the top there is a circle, at the top right. The top left there is a quarter of the circle with bottom right being visible. Is that made sense? From the lower one of the two shapes in the bottom, there are six vertical lines growing up. Not all way, but to different highs. One of this gets to the circle high and then go down, then taking down a much smaller degree at a slight angle. So like up side down tick, very small in the page. From the upper shape there are three vertical lines, all with this up side down tick aspect. There is one coming up above this shape, above. I think that's it.

#### **DIPLOMA YEAR 15 – Description 02 (Architectural sketch)**

The second one is a large box square. Is like a plan of the building, which is finished square. The top on that, lines are very slight ticker. Horizontally through the middle, you have this kind of corridor runs off each vertical lines of the plan, creating a top half and a bottom half. On the top half, this rectangle now created, has through its right a further compartment, which is a corner of rectangle. So it's a oblong stretch on its right hand side. Coming from the middle corridor there is a small strip, just out of the square, continuing for maybe a quarter of the length of the actual square. Just out, very far. Further to that there is another square. It's a large square but still... forget that, it's undescrible. It's a square, which is about the same width as the corridor, coming out the same length of the corridor, of the square. To the bottom of the big square, there is a ... well draw a line from the actual corridor on the bottom half of the square. Draw a line from the middle of the corridor down to the bottom horizontal line of the square. Continue this for another half or another quarter. The same distance as the bit, just up the corridor before. From the right-hand wall, another compartment, just out of the big square. So from that, just draw a line down towards your left and then coming from the left hand wall down, so they both meet. That's ok.

#### **DIPLOMA YEAR 15 – Review**

Non-Architectural sketch: Trick to describe. More difficult

Architectural sketch: Easy to related with each other. I know what was because you said look like a plan.



Approaches to the protocol analysis

# First approach to the protocol analysis

#### First Year session 01 - Description 01 - Non-architectural sketch

Segmentation: Total 4 segments.

Verbal Cognitive Actions: Total 12 cognitive actions.

Duration: 3min. 06seg.

	Segments
1	Draw a sheet of A4 rectangular paper; portrait format
2	Towards the bottom are two sausages, longs ovals. One on top of each other with a gap between them. Top right corner is a circle, top left corner a sort of quarter of the circle, cutting the corner of the page. That's all
3	Coming up of the ovals are bars, lines with half arrow on it. One is coming up outside of the upper right hand side of that oval with the left head hand, if you know what I mean. Like a seven, slightly on its side. This has a left hand head. Another, further along with head going to the right side. Along two-thirds the way across from the right the same thing. One in the side of other one. Backwards a seven again. There is another on the bottom oval. Big one facing the other way. Two big ones next each other, about one third of way to the right. Another big one near to the circle in the top right corner, with left head. In the end of the ovals is left hand one, a sort of half arrows with the left hand side of the arrows.
4	It looks likes a face, two eyes, two lips with strange thing poking out of it. I think, I hope. Like a flag or something, golf flag.

		Verbal Cognitive Actions											
		F	ormal		Symbolic		Refl	ective					
	Paper Refern	Featu res	Spatial Relation	General View	Looks like Imagine a	Judge ment	Resum e	Review	I think That's all				
1	~	Banking.	19662										
2		~	~	~	~				~				
3		~	-	~	~								
4	in the second	111111	der traditioner a		~		1.1.1.1.1.1.1	As and	~				
Σ	01	02	02	02	03	00	00	00	02				

First Year session 01 - Description 02 - Architectural sketch

Segmentation: Total 05 segments.

Verbal Cognitive Actions: Total 18 cognitive actions.

Duration: 06min. 48seg.

	Segments
01	A large square divided in half horizontally. Bottom section divided half again vertically. Left hand bottom small section is divided into thirds horizontally with double lines a few millimetres apart. Top third of that one has a sort of an eight on its side. There's a horizontal line third of the way up that top third. Then a scribble above that line taking up most of the rest of it. A bit like the M missing leg on the left.
02	The right hand bottom square, about a quarter away from the top of it, that's a small rectangle about a ten the way. Gap on the left quarter gap on the right. That's a little sort of shaft running parallel outside of the rectangle, sticking out of the whole square, out of the drawing. A little square on the end of it. In the top half of big square, on right, is another little rectangle. It's like

	a plan of a room, so looks like a bed. A little rectangle about a six of the way up vertical. The top of big square, through it, at the bottom of the picture there is another horizontal rectangle about the same thanThe half square at the bottom, about a quarter of the high of the small square, below the big square attached very left, so parallel the left hand side of the big square. Two lines, a little wall. I think.
03	In the bottom left of the two small squares, into the big square divided into thirds, the line dividing between the top third and the middle third, horizontal line just out about third length of the big square. In the end of that there is a vertical line. Rectangle across, through that there is a horizontal line. Curve in the end, up side down. On that left hand side of the cross, a little face, two eyes and a nose and a little moustache. It's like a umbrella handle just touching the middle line. Umbrella handle, a little face.
04	There's a little, half way down big square on right there's a tiny blob. Like D just attached on the side, running along with the line that divides it in half horizontally. Little square.
05	So that's a sketchy style, scribbled lines here and there.

	Verbal Cognitive Actions										
nts		Fo	rmal		Symbolic Looks like Imagine a	Reflective					
Segments	Paper referen	Featur es	Spatial Relation	Generl View		Judge ment	Resum e	Review	I think That's all		
1		-	~	-	~				0.3385		
2	Ref Provinces		~	~	~		1.150 21.5	02303.0	~		
3		~	~	~	~	1000					
4	2.57.672	~		~	~	Barris M.	1.2325		1.1.1.1.1.1.1		
5				~	1281. C. S. S. L. C.	\$152.50 p	10.000	CREW'S			
Σ	00	04	04	05	04	00	00	00	01		

# Diploma Year session 01 - Description 01: Non-architectural sketch

Segmentation: Total 06 segments.

Verbal Cognitive Actions: Total 27 cognitive actions.

Duration: 04min. 24seg.

	Segments
01	It's an abstract image. Basically, at the bottom of A4 page, is a very basic kind of oval. There is
	little up side down ticks witch come up. In the top right hand corner is a circle like a sun. It
	looks like an abstract pot flowers (Oh God!!).
02	So you got a little oval at the bottom and then you got six up side down vertical ticks coming out
	of it, they go to about the middle of the page. These four up side down ticks, they actually come
	inside the circle. About the midway up of those ticks, there is a very crude square just been
	draw. Inside that square are three up side down ticks again. There is one at the far left hand
	corner that goes up about three cm. There is one in the far right hand corner of that square. That
	one goes up a bit higher. There is one on the left hand side of that. So, there are three up side
	down ticks in the middle circle. Towards the top of the page there is one tick witch is just in the
	middle of the page, and not growing on circle or square.
03	Go to the top right hand corner of that page. Draw a circle like a sun. Sun is shinning down on
	the little vase of ticks. In the far top left hand corner you've got a semi-circle.
04	When you look at your drawing, a very nice drawing you've done, look at the very far bottom of
	the page. Should be a rough oval circleshould be rough.
05	In side should be like little flowers in a pot of vase. There should be six ticks going across from
	one end to the other. Above that very roughly drawing square. These tall ticks should run
	through the middle of this square. There should be three upright ticks. Above it a little tick witch
	is outside that.
06	Top right hand corner of this page, is a little sun. On left hand top half of page is a semi-circle,
00	actually a quarter circle, sorry. That's it.

ıts	Verbal Cognitive Actions											
		Fo	rmal	Section 1	Symbolic Looks like Imagine a	Reflective						
Segments	Paper referen	Featur es	Spatial Relation	Generl View		Judge ment	Resum e	Review	I think That's all			
1	~	v	~	-	~	~						
2		~	-	~	~	0216-02	Constants and		diamp-			
3		~	-		~			~				
4		-	-	1.1. 10.2.1	of Share Shares	The state of the s		-	1000			
5		~	~		~	22103						
6		~	-		~		~	~	~			
Σ	01	06	06	02	05	01	01	04	01			

# Diploma Year session 01 - Description 02: Architectural sketch

Segmentation: Total 05 segments.

# Verbal Cognitive Actions: Total 23 cognitive actions.

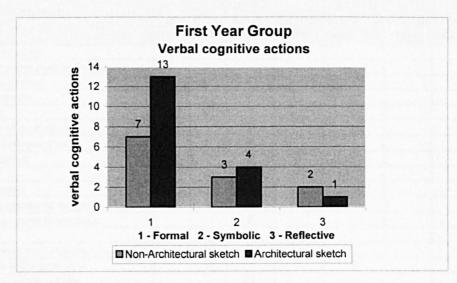
Duration: 06min. 00seg.

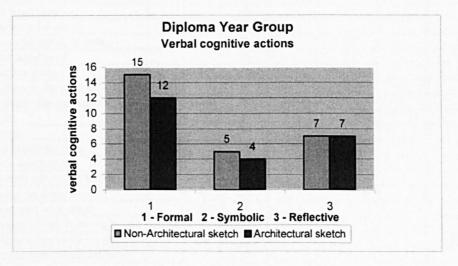
	Segments
01	Basically a very roughly drawn floor plan of kind it's like a very rough sketch what you would find on tracing paper, witch is right at the beginning stages of design. Quite simple really.
02	A large square to start. Just two lines through it, just to give an indication of thickness. Go to the bottom of the left hand square you have drawn. Draw a little rectangle witch runs from the left hand side. A bit of a gap between the two, from the left hand corner to the centre point of the square. Extend the wall of your square into the edge of the rectangle.
03	You should have two shapes: a large square, on the bottom left there should be a little rectangle. The wall should run between the two of them on the left hand side of the square.
04	What you must do now is mirror the top line of your rectangle to the bottom line of the square. From the centre point of the bottom line of the square, draw a line up to the middle of the square. Then draw a line across from centre point to centre point on the left hand side and right hand side of the square. So you have got the line going across. Next draw a little square box, towards the top right hand corner of the square. Leave a little gap between the rectangles. Make sure it is separated. Move your pen to the mid-point of the left hand side of the square. Move it down a tiny bit to give it a little space. Draw a wall across, about a few centimetres do like a double line. At the end of the wall, draw another square. Just a small square, the same size as the one you just did earlier. Look quite estrange. There are a few odd squiggles in it.
05	What you should have is a large square with a rectangle on the bottom left hand corner. Gap between the two objects. You should have a line going up from the middle point, bottom side of the square. Meeting another line running from left to right. A little box, top right corner, another little box like a satellite coming out of the right hand corner. Go to the square you should have on your top right hand corner, draw a line from the right angle on the far bottom left hand side. Draw a little line down. Make sure it doesn't meet the mid-point line. Put a little arrow on the bottom of it.

	Verbal Cognitive Actions										
5		Fo	rmal		Symbolic	Reflective					
Segments	Paper referen	Featur es	Spatial Relation	Generl View	Looks like Imagine a	Judge ment	Resu me	Review	I think That's all		
1		Rectification of the			~	×					
2	68.0885.T	~	~	-	~			~	- S. C.		
3	2000	~	~	~	~		-		1000		
4		-	-	-	1.	-		-			

5		-	~	-	~		-	-	
Σ	00	04	04	04	04	02	02	03	00

This is the summary of the first results related to the first approach to the protocol. The results are presented in terms of numbers of verbal cognitive actions. These verbal cognitive actions are divided into three subcategories – Formal, Symbolic and Reflective.





# Second approach to the protocol analysis

#### First Year session 01 - Description 01: Non-architectural sketch

Segmentation: Total 43 segments and

Verbal Cognitive Actions: Total 70

Duration: 3min. 06seg.

	Verbal Cognitive Actions									
St-	Formal				Symbolic					
Segments	Paper forma	Featu res	Spatial relation	General view	Looks like imagine a	Difficult easy		Rememb descript	I think I hope	
1. Draw a sheet of A4,	F									
2. rectangular paper portrait format.	F	F								
3. Towards the bottom			F						(	
4. are two sausages,					S					
5. longs ovals.		FF							Set legels	
6. One on top of each other			F						1.1.1.1.1	
7. with a gap between them.			F							
8. Top right corner			F							
9. is a circle		F	1							
10. top left corner		-	F							
11. a sort of a quarter of the circle,		F	-							
		r	F							
<ol> <li>12. cutting the corner of the page.</li> <li>13. That's all.</li> </ol>			r	F					R	
		F	F	Г	S				ĸ	
14. Coming up of the ovals are bars.		F	Г		S					
15. Lines with half arrow on it.		Г	FF		3					
16. One is coming up outside		F								
17. of the upper right hand side of that oval		F	FF F		6					
18. with the left head hand,			F		S				D	
19. if you know what I mean.			E		6				R	
20. Like a seven, slightly on its side.	-		F F		S					
21. This has a left hand head.		F	F		S					
22. Another, further along		F	F		0					
23. with head going to the right side.			F		S					
24. Along two-thirds the way across			FF							
25. from the right		-	F							
26. the same thing,		F								
27. one in the side of other one.			F							
28. Backwards a seven again.					S					
29. There is another one on the bottom oval		FF	F							
30. Big one facing the other way.		F	F							
31. Two big ones next each other,		F	F							
32. about one third of way to the right.			FF							
<ol> <li>Another big one near to the circle.</li> </ol>		FF	F	1.1.1.1.1.1				1. 6.0		
34. In the top right corner with left head.			FFF		S					
35. In the end of the ovals		F	F	1.72						
36. is a left hand one.			F							
37. A sort of half arrows		1.1.1			S	1000				
38. with the left hand side of the arrows.			F		S					
39. It looks likes a face,			1116		S					
40. two eyes, two lips.					SS			20056		
41. I think, I hope.								1.1.1.1	R	
42. Like a flag or something,					S					
43. Golf flags	1.000				S					
Total		12.2.20	51		16		A later	3		
				The second second	70	1				

# First Year session 01 - Description 02: Architectural sketch

Segmentation: Total 74 segments

# Verbal Cognitive Actions: Total 165

Duration: 06min. 48seg.

	Verbal Cognitive Actions           Formal         Symbolic         Reflective									
	A Real Property	F	ormal		Reflective					
Segments	Paper formt	Featu res	Spatial relation	General view	Looks like imagine a	Difficult easy		Rememb descripti		
1. A large square		FF								
2. divided in half horizontally.		FF				1			2	
3. Bottom section			F							
4. divided half again vertically.		FF								
5. Left hand bottom small section		F	F	ALC: NO.						
6. is divided into thirds horizontally		FF		i fan de la					1.1.1.1.1.2.2.2	
7. with double lines		F				1				
8. a few millimetres apart.			F	a la sus		5			1	
9. Top third of that one			F						Lesson and the	
10. has a sort of an eight on its side.		F			S		1.1.1.1.1.1			
11. There's a horizontal line		FF	1000			Sector Sector			See.	
12. third of the way up that top third.		FF	FF						1000	
13. Then a scribble above that line		FF	F							
14. taking up most of the rest of it.			F	F					2.4.1	
15. A bit like the M					S					
16. missing leg on the left.			F		S					
17. The right hand bottom square		F	FF							
18. about a quarter away from the top of it.		F	FF							
19. That's a small rectangle		FF								
20. about a ten the way.		F								
20. about a ten the way. 21. Gap on the left quarter gap on the right.		FF	FF							
21. Gap on the left quarter gap on the right. 22. That's a little sort of shaft	-	F	IT		S					
22. That's a fittle soft of shart 23. running parallel		F	F		5					
23. running parallel 24. outside of the rectangle		F	F							
25. sticking out of the whole square,		F	F	F						
26. out of the drawing.		1	F	F						
		FF	F	Г						
27. A little square on the end of it.		FF	F							
28. In the top half of big square,		FF	F							
29. on right,		EE	F							
30. is another little rectangle.		FF			00					
31. It's like a plan of a room,					SS					
32. so looks like a bed.					S					
33. A little rectangle		FF								
34. about a six of the way up vertical.		FF	F			1			1.000	
35. The top of big square, through it,		FF	FF			1.1				
36. at the bottom of the picture		-	F	F						
37. there is another horizontal rectangle		FF			Sec. Sec.					
38. about the same than		F					1000			
39. The half square at the bottom		FF	F			1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 -				
40. about a quarter of the high		F	F	a desta des		in the second				
41. of the small square,	1.	FF								
42. below the big square		FF	F							
43. attached very left,			FF							
44.so parallel the left hand side of the big square.		FF	FF	-					G RALL	
45. Two lines a little wall.		FF			S	1000			Classies B	
46. I think.	1.0								R	
47.In the bottom left of the two small squares		FF	FF							
48. into the big square divided into thirds,		FFF					110			
49. the line dividing between the top third		F	FF							
50. and the middle third,	1000		FF						S	

			165		
Total		145	19	1	
74. scribbled lines here and there	F	FF			
73. So that's a sketchy style,		3.N.N.	S		
72. little square.	FF				
71. that divides it in half horizontally,	FF				
70. running along with the line	F	FF			
59. just attached on the side,		FF			
68. Like D			S		
67. there's a tiny blob.	F		S		
66. half way down big square on right,	FFF	FF			
65. There's a little,	F				
64. a little face.	F		S		
53. Umbrella handle,	and foreness		S		
52. just touching the middle line.	F	FF			
51. It's like an umbrella handle			S		
50. Two eyes and a nose a little moustache.	F		SSS		
59. a little face.			S		
58. On that left hand side of the cross,		F	S		
57. Curve in the end up side down.	F	FF			
56. through that there is a horizontal line.	FF	F			
55. Rectangle across,	F	F			
54. there is a vertical line.	FF				
53. In the end of that		F			
52. about third length of the big square.	FFF	F			
51. horizontal line just out	FF	F			

# Diploma Year session 01 - Description 01: Non-architectural sketch

Segmentation: Total 66 segments

Verbal Cognitive Actions: Total 128

Duration: 04min. 24seg.

	Verbal Cognitive Actions										
Commonte		F	ormal		Symbolic		Ref	lective			
Segments	Paper ormat	Featu res	Spatial relation	General view	Looks like imagine a	Difficult easy		Rememb descripti			
1.It's an abstract image.				F							
2.Basically, at the bottom of A4 page,	F		F	1.1.27.4.1					Sec. P.		
3.is a very basic kind of oval.		F				1.1.2.2.2.1					
4. There is little up side down ticks		FF			S						
5.witch come up.	1000		F			1000		Non-			
6.In the top right hand corner	1.100	12.135	FF				200	123257222			
7. is a circle like a sun.		F		10.00	S	1999-0151	1.	1103100	12/2/2/2		
8.It looks like an abstract pot flowers	12-14-16	and the	1-15 0-07	F	S	1.6					
9.Oh God!!	10-015			1.1222.12		R					
10. So you got a little oval		FF									
11.at the bottom	12.1.1	2	F			12.00					
12.and then you got six	12.039	100		F							
13.up side down vertical ticks	1.2.1	FF			S	4.321.23			La Martin		
14.coming out of it,	1. 11. 2.	1.2.2.1.4	F	120		122.0					
15.they go to about the middle of the page.			F	F		1		100000			
16. These four up side down ticks,		F		F	S		1.11				
17.they actually come inside the circle.		F	F	F							
18.About the midway up			F								
19.of those ticks,					S						
20.there is a very crude square		FF									

				128			
Total		94		22		12	
6.That's it.			F				R
5.actually a quarter circle, sorry.	F	1.5510.552			212 0.42		R
4.is a semi-circle,	F	1.264			R	No. of the	
3.On left hand top half of page		F	F		16.23 (32.2)		
2.is a little sun.	CO REAL	12.102.11	1.30.75.27	S	R		
1.Top right hand corner of this page,		FF	F				
0.witch is outside that.		F					
9.Above it a little tick	F	F		S			The state
8. There should be three upright ticks.		F	F	S			
7.of this square.	F					8.30 201	
6.should run through the middle		F					
5. These tall ticks	1.1.1.1.1		F	S	Charles and		12.30
4. Above that very roughly drawing square.	FF	F					
3.from one end to the other.		F					6924
2.going across		F					
1. There should be six ticks			F	S			
0.in a pot of vase.				S			
9.should be like little flowers				S	R		
8.In side	1 - 14	F					
7.should be rough.		12109	F		R		
6.Should be a rough oval circle	FF						
5.look at the very far bottom of the page.		FF	F				
4.a very nice drawing you've done,		1.20103	F				R
3. When you look at your drawing,			F				R
2.you've got a semi-circle.	F		-		R		
1.In the far top left hand corner	-	FF					
0.on the little vase of ticks.	F			SS			
9.Sun is shinning down		F		SS			
8.Draw a circle like a sun.	F			S	R		1.7.1
7.Go to the top right hand corner of that page.		FF	F				1.39.4
6.and not growing on circle or square.	FF	1.128.24		S			
5.witch is just in the middle of the page,		F	F				
4.there is one tick				S			
3.Towards the top of the page		F	F			12.4	
2.in the middle circle.	F	F					
1.So, there are three up side down ticks	F		F	S			
0. There is one on the left hand side of that.		FF					
9. That one goes up a bit higher .		FF		224 8 19 19 192			049.035
8.of that square.	F	12.8 2.1					
7. There is one in the far right hand corner	0 52.	FF					
6.about three cm.	F						
5.that goes up		F		10.43			
4. There is one at the far left hand corner		FF					
2.Inside that square 3.are three up side down ticks again.	F	121120-0	F	S		R	
	F	F					

# Diploma Year session 01 - Description 02: Architectural sketch

Segmentation: Total 80 segments

Verbal Cognitive Actions: Total 150

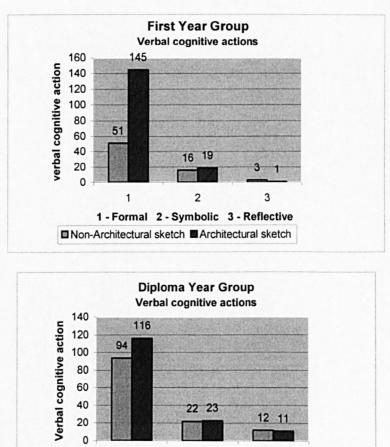
Duration: 06min. 00seg.

	Contraction of the second	Verbal Cognitive Actions									
Segments		F	ormal		Symbolic	Reflective					
Segments	Paper forma				Looks like imagine a						

					···				
1. Basically a very roughly drawn	i i	1		F	1	1	1	1	F 1
	·					┿─────	+	┣───	
2. floor plan of kind					S	+	+	<b> </b>	┟────┤
3. it's like a very rough sketch				F	S	<u> </u>	+	<b></b>	<u>↓</u>
4. what you would find on tracing paper,				L	S	<u></u>		Ļ	
5. witch is right at the beginning stages of design.					S				
6. Quite simple really.						R			
7. A large square to start.		FF							
8. Just two lines through it,		F	F				1		
9. just to give an indication of thickness.		F			S	t	1	<u> </u>	1
10. Go to the bottom		+	F			+	+	<u>-</u>	<u>+</u> i
						┿─────	<u> </u>	<u> </u>	<b>i</b>
11. of the left hand square you have drawn.		F	F				<b></b>	R	d
12. Draw a little rectangle		FF							
13. witch runs from the left hand side.			F						
14. A bit of a gap between the two,		F	F				T	[	
15. from the left hand corner			F			<u> </u>	1	[	
16. to the centre point of the square.		F	F		S	+	+	┣━━━━	<u>                                     </u>
17. Extend the wall			<b>+</b>		S	<u>+</u>	╉────	<u> </u>	<b>[</b>
					<u> </u>	+	┥───	Ļ	<u> </u>
18. of your square		<u> </u>				<u> </u>	<u></u>		
19. into the edge of the rectangle.		F	F			<u> </u>	L		
20. You should have two shapes:		F		F					
21. a large square,		FF				1	R		
22. on the bottom left			FF	[]	·	t	†		<u>                                      </u>
23. there should be a little rectangle.		FF				t	R	<u>├</u>	├
25. mere snoutu de a nute rectangle.		<u></u>				╉─────	+ ~	<b>↓</b>	<b>├</b> أ
24. The wall should run					S	<b> </b>			
25. between the two of them			F	F					
26. on the left hand side of the square.		F	F						
27. What you must do now is mirror the top line		F	F		S				
28. of your rectangle		F				t	1		
29. to the bottom line of the square.		FF	F			<u></u>	<u> </u>	h	<b>├</b> ────┤
		<u>rr</u>				+			łł
30. From the centre point			F		S	<u> </u>			<u> </u>
31. of the bottom line of the square,		FF	F						
32. draw a line up		F	F						
33, to the middle of the square.		F	F						
34. Then draw a line across		F	F			1	<u>†                                    </u>		<u> </u>
35. from centre point to centre point		+	F		SS		<u> </u>		
						<u>+</u>	╂────		<u>├</u>
36. on the left hand side			F_	ļ		+	<u> </u>	<u> </u>	łd
37. and right hand side of the square.		F	<u> </u>	L			<b></b>		
38. So you have got the line going across.		F	F	F_			R		
39. Next draw a little square box,		FF			S				
40. towards the top right hand corner			FF						
41. of the square.		F				<u> </u>	1	<u> </u>	<u>├</u> ───┤
		FFF	F		<u> </u>	+	<del> </del>	<u> </u>	<u>├</u>
42.Leave a little gap between the rectangles			<u> </u>	<u> </u>	·		┥───	<u> </u>	┥
43. Make sure it is separated.				F		<u> </u>	1		
44. Move your pen to the mid-point			F		SS				
45. of the left hand side of the square.		F	F						
46. Move it down			F			+	1		
		F	<b>*</b>				+	<u>+</u>	╉┩
47. a tiny bit						+	+	<u> </u>	<b>↓</b> ╡
48. to give it a little space.		F			ļ				<b></b>
49. Draw a wall across,			F	L	S				
50.about a few centimetres		F							1
51. do like a double line.		F					Τ	1	
52. At the end of the wall,			F		S	1	1	+	<u>+</u>
53. draw another square.		F			t	+	+	┢────	┥
				<u> </u>	<u> </u>	<u>+</u>	+	<del> </del>	<b>↓</b>
54. Just a small square,		FF		<b> </b>		<u> </u>	R	<b></b>	<b>↓</b>
55. the same size as the one you just did earlier.		F					L	R	
56. Look quite estrange.				1		R			1
57. There are a few odd squiggles in it.		F	· · · · · · · · · · · · · · · · · · ·	F	·	1	1	<u> </u>	
58. What you should have is a large square		FF		F	<u> </u>	+	R	<u>†                                    </u>	┼───┤
		F	·	<u> </u>	<u> </u>	+	+	╉	┟────┤
59. with a rectangle		<u>r</u>		<u> </u>	<u> </u>		·	<b> </b>	<b>↓</b> ┥
60. on the bottom left hand corner.			FF	ļ	<u> </u>	<b></b>	+	<b></b>	$\square$
61. Gap between the two objects.		F	F	L		1	R		
		- I		1	1	1	1	1	1 7
62. You should have a line		F							I
62. You should have a line 63. going up		F	F	ļ			<u></u>	<u> </u>	

	150								
Total		116		23	11				
80. on the bottom of it.		F							
79. Put a little arrow	F	All and the		S					
78. Make sure it doesn't meet the mid-point line.		F	F	S					
77. Draw a little line down.	FF	F							
76. on the far bottom left hand side.		FF							
75. draw a line from the rectangle	FF		-						
74. on your top right hand corner,		FF							
73. Go to the square you should have	F				R				
72. coming out of the right hand corner.	5 12 1	FF							
71. like a satellite				S					
70. another little box	F		0.000.00	S					
69. top right corner,	2010/07/02	F							
68. A little box,	F			S					
67. running from left to right.		F							
66. Meeting another line	F								
65. bottom side of the square.	F	F							
64. from the middle point,		F		S					

These are the summary of the results related to the second approach to the protocol.



2

1 - Formal 2 - Symbolic 3 - Reflective ■Non-Architectural sketch ■Architectural sketch

3

1



Segmentation and analysis

# 1 - FIRST YEAR GROUP - Segments and verbal cognitive actions

# FIRST YEAR session 01 - Description 01 (Non-Architectural sketch)

		Verb	al Cogn	itive Ac	ctions				the firmer of	an an the second
	Ge	neral D	escripti	ons	A STATISTICS AND A STATISTICS	tures iptions	Re	flective D	escription	S
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
. Draw a sheet of A4,	G									
. rectangular paper portrait format.	G						N LINES	1.19-5	1.1.90	-
. Towards the bottom		G								
. are two sausages,						S	1.1.1			
. longs ovals.					F					
. One on top of each other		G	1833							
. with a gap between them.		G	1		24(2(25)					16-1
. Top right corner	232.4	G						200		
. is a circle					F					
0. top left corner		G			CARD P					
1. a sort of a quarter of the circle,					F					
2. cutting the corner of the page.			G		82-521					2018
3. That's all.				G						
4. Coming up of the ovals are bars.					F	S				
5. Lines with half arrow on it.			200		F	S				
6. One is coming up outside		G								
7. of the upper right hand side of that oval	(Second	G			F					
8. with the left hand head,						S				
9. if you know what I mean.									R	
0. Like a seven, slightly on its side.						S			-	
1. This has a left hand head.						S				
2. Another, further along			G							-
3. with head going to the right side.						S				
4. Along two-thirds the way across		G								
5. from the right		G								
6. the same thing,		G			1					
7. one in the side of other one.		G								
8. Backwards a seven again.						S		R		
9. There is another one on the bottom oval.		G			F				1.1	
0. Big one facing the other way.		G								
1. Two big ones next each other,			G							
2. about one third of way to the right.		G								
3. Another big one near to the circle.			G		F					
4. In the top right corner with left head.		G				S				
5. In the end of the ovals					F					
6. is a left hand one.		G								
7. A sort of half arrows						S				
8. with the left hand side of the arrows.						S				
9. It looks likes a face,						S				
0. two eyes, two lips.						SS				
1. I think, I hope.	1								R	

# Sketching and visual perception in conceptual design Annex V – Segments and verbal cognitive actions

	51								
	23	9	16	3					
43. golf flag.			S						
2. Like a flag or something,			S						

# FIRST YEAR session 01 - Description 02 (Architectural sketch)

	Ger		escript	itive Ad	Feat	tures iptions	Re	flective D	escription	15
Segments	Paper Refer	Size Posit		Concl usive	Formal	Symbol	Judgm	Remem	Reflect	
. A large square					F					
. divided in half horizontally.		G						241,2424		
. Bottom section		G	14:45				and the second	124-44		
. divided half again vertically.		G	640-3				- 175-			
. Left hand bottom small section	1.3.5.1	G	1			second and and			e Riche	-
, is divided into thirds horizontally	-	G				in the second	a series			
with double lines					F		A. S. S. S.			
. a few millimetres apart.		G			1.4.1.4.2		المجتجع ال		-	
. Top third of that one		G	-		-isteres a					
0. has a sort of an eight on its side.	alers a	Silver-		1.00		S	- Carrieron			
1. There's a horizontal line			10000		F					
2. third of the way up that top third.		G		14.14	an an an an	- J	i serie a		Service 1	
3. Then a scribble above that line					F	1	14.45.22	-	Section -	
4. taking up most of the rest of it.		G					144		-	1.200
5. A bit like the M						S			HA HAS	
6. missing leg on the left.			No.	1023	and and	S	1.1.1824		1	
7. The right hand bottom square					F		and a start	-	and the second	
8. about a quarter away from the top of it.	0 242377	G	See series	1644			Sec. Sec.	and an end		
9. That's a small rectangle			2.40	12.06.7	F	1.00.0		Section of		
0. about a ten the way.	1 6	G	10158	10.34	1. A. M.	6 K	12.000	Conner 1		1.
1. Gap on the left quarter gap on the right.		G	Creat 24	1.20			a marting	a second		1.20
2. That's a little sort of shaft	1215			V. Contraction		S	a destro	1000	Q 2.457	
3. running parallel		G		Locial						
4. outside of the rectangle		30.19			F					
5. sticking out of the whole square,			G	1000	F					
6. out of the drawing.			G		-	100 1000		No. and and		
7. A little square on the end of it.		G			F					-
8. In the top half of big square,					F					-
9. on right,		G			-					
0. is another little rectangle.	1				F					
1. It's like a plan of a room,		199			-	S				
2. so looks like a bed.						S				-
3. A little rectangle					F	5				
4. about a six of the way up vertical.		G								-
5. The top of big square, through it,		5			F					
6. at the bottom of the picture		G								
7. there is another horizontal rectangle	-				F					-
8. about the same than		G			-					-

Sketching and visual perception in conceptual design	
Annex V – Segments and verbal cognitive actions	

	90								
	3	9	31	18		2			
4. scribbled lines here and there		G							
3. So that's a sketchy style,				S					
2. little square.			F						
1. that divides it in half horizontally,	G								
0. running along with the line	G		F		1.200				
9. just attached on the side,	G								
8. Like D				S					
7. there's a tiny blob.				S					
6. half way down big square on right,	G		F						
5. There's a little,	G								
4. a little face.				S			R		
3. Umbrella handle,	3 3 3 3			S					
2. just touching the middle line.			F				-		
1. It's like an umbrella handle				S			-		
0. Two eyes and a nose a little moustache.				SSS			-		
9. a little face.				S					
8. On that left hand side of the cross,	G			S					
7. Curve in the end up side down.	G		F						
6. through that there is a horizontal line.			F						
5. Rectangle across,	1.162		F						
4. there is a vertical line.			F						
3. In the end of that	G								
2. about third length of the big square.	G		F						
1. horizontal line just out			F						
0. and the middle third,	G								
9. the line dividing between the top third	G								
8. into the big square divided into thirds,	G		F						
7. In the bottom left of the two small squares,	G		F				-		
6. I think.						R			
5. Two lines a little wall.			F	S			-		
4. so parallel the left hand side of the big square.	G		F						
2. below the big square 3. attached very left,	G		Г				-		
1. of the small square,	G		F						
0. about a quarter of the high	G		F						
9. The half square at the bottom	G		F						

# FIRST YEAR session 02 - Description 01 (Architectural sketch)

Real des Calendaria Substances Maria		Verb	al Cogn	itive Ac	tions		1121 - 3 - 5 - 5 - 5		alph Steven	
	Ger	eral D	escript	ions	Features Descriptions		Reflective Descriptions			
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1. It's a plan drawing.						S				
2. A rectangle to just start with.					F	Section of				(and
3. Draw a line S			Sec.		F	S				
4. 1/8 of the way down.		G	1			Second Second	Sec. Sec.	1. 1. 1.		

	······		· <u> </u>		· · · · · · · · · · · · · · · · · · ·	,		
5. Side to side, split it in half.	G	<u> </u>		_		L		
6. Not long ways but width ways.	G				1			
7. Under the second half	G							
8. split rectangles into two squares			FF					
9. And below that is another square	G		F					
10. that comes half way down	G							
11. from the second rectangle.			F					
12. It's really difficultoh God.					R			
13. At the bottom of the square you just draw,	G		F			R		
14. extend the line across			F					-
15. so it looks like another segment.			F					
16. Just like a rectangle.			F				1	
17. So it runs from one side	G	1 1					1	
18. to the other width ways.	G						1	
19. By doing that line,		11	F				1	
20. you have created another box effectively				S	1	1	1	
21. and now wants to split into thirds	G				1	1	+	-
22. width ways across.	G	1 1			1	1	1	1 7
23. Below the square you have just drawn		1	F			R	+	-
24. and split in thirds,	G	<u> </u>						
25. you need to draw two rectangles		1	F		1	1		
26. the same width and lengths	G	<u>├</u> {			1	1	+	
27. as the third above it.	G			···{		<del> </del>		
28. Oh God.		┼┼			R	f		
29. Draw a line out from one of the squares.		+	FF		<u> </u>		+	
		┼╴╌┼	F		+	<u> </u>	1	
30. Extending the perimeter of the rectangle.		┼──┼	I F		<u> </u>	+		
31. Draw a rectangle.	G	┝╴┈╺╄			+			
32. Split it in half width ways.		╉╼╼╂╸	F		+	<u> </u>		
33. You now have two rectangles.		╉╼╼╼╊-	F					
34. Bottom rectangle	G	┼──┼			+	<u> </u>		+
35. split into two squares length ways.		┼	F F			<u> </u>		!
36. You now have a rectangle		┝──┾	<u>r</u>				+	
37. split into thirds length ways.	G	┼──┼			- <u> </u>	<u> </u>	+	
38. So you have three long rectangles.		┼──┼	F		+	<u> </u>	- <u> </u>	
39. Put two more rectangles the same length	G	<u> </u>	F			<u> </u>		
40. and width as the ones above it.	G	<u> </u>			. <u> </u>		+	
41. Whole rectangle.		<u>↓</u>	F			<b></b>	<u> </u>	
42. Split it in half.	G	<u> </u>						
43. Bottom rectangle split into two squares.		<b>_</b>	FF					
44. Split one of the squares into thirds.			F					
45. So you've got three rectangles.			F					R
46. Below that square			F					
47. are two more rectangles			F					
48. of the same width and length	G							
49. that fit into the square above it.			F					
50. So you now have three thirds in that square.			F	1	1			
51. Put two rectangles			F			[	1	
52. the same size directly below it.	G						1	11
53. In the right hand square		$\uparrow$	F		1	1	1	
54. is a rectangle		1-1	F	-	1		1	
55. that's about a quarter of the length across.	G				1		+	
		÷			<u></u>	4	<u></u>	

Sketching and visual perception in conceptual design	
Annex V – Segments and verbal cognitive actions	

	107							
	3	9	53	3		12		
88. There are some squiggles along that line	-	G						
86. You have a line 87. extending from one end to the other.	G		1		1.1			
<ul><li>85. that has been split in half.</li><li>86. You have a line</li></ul>	0		F					
34. You got a main rectangle	G		F					
83. Have you drawn that rectangle?			F			K		
82. Oh God.			F		R	R		
81. of the rectangle.			F		D			
80. and is an eight (1/8) of the width	G		E					
79. that begins a quarter of the way down	G							
78. is a rectangle			F					
77. running from top to bottom	G							
76. at the right hand side,	G							
75. that has no squares in,			F					
74. In the top rectangle			F					
73. of the little square that you had to draw.			F					
72. So a line ends in the middle	G		F					
71. is drawn at the end of that line.	G		F					
70. A small square			F					
69. of the original rectangle.			F			R		
68. a line extends beyond the width	G		F					
67. From the bottom of the rectangle,			F					
66. Oh God.					R			
65. from the right hand side.	G							
64. and three eight (3/8) in	G							
63. from the left hand side	G							
62. and is about an eight (1/8) in	G							
61. what is about a quarter width of the square	G		F					
60. There is a smaller rectangle			F					
59. on the right hand side.	G							
58. and you have square			F				R	
56. Oh God. 57. You have your large rectangle			F				R	

# FIRST YEAR session 02 - Description 02 (Non-Architectural sketch)

	Gei	neral D	escripti	ions	Features Descriptions		Reflective Descriptions			
Segments	Paper Refer	Size Posit	A STOLEN AND A STOLEN AND A STOLEN	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1. The paper is turned,	G									
2. so you have a A4 sheet of paper.	G									
3. So it's long ways.		G			6-11	10.00				
4. At the bottom of the sheet		G	25.3		1.2.4.5.4					
5. draw an oval shape.					F					
6. As if you were drawing a pond on a plan.	2020			1.10		S				
7. Coming out of that pond are six sticks.			G		Training of	SS		Street.		

					37		
	1	4		5	15	3	
26. That's it.			G				
25. is a quarter of the sun.					S		
24. At the left hand side	G						
23. shining down on the pondweed.	1				SS		
22. like the sun					S		
21. On top right hand side is a circle,	G			F			
20. is one tick on it's own.					S		
19.About four centimetres above oblong pond	G			F	S		
18. you need three more of those ticks.				811.1	S		
17. On the oblong pond you just drawn,				F	S	R	
16 and goes through one you've drawn above it.	G					R	
15. growing from bottom pond	2 02				S		
14. Looks like pondweed					S		
13. slightly larger than the previously other one.	G					R	
12. another pond shape that's more oblong,	1			F	S		
11. Two or three centimetres above that,	G						
10. They are six of those.		G					
9. Look like an upside down tick.		11			S		
8. They extend up at different highs.		G					

### FIRST YEAR session 03 - Description 01 (Non-Architectural sketch)

	Ge		escript	itive Ad	Feat	tures iptions	Reflective Descriptions				
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflecti	Recap	
1. A small circle on the right,		G			F						
2. top right corner.	1.121.52	G	10.00	balls.	235	6.44	244				
3. Slightly larger		G			1.2.1.						
4. a kind of quarter circle,	12.23	1.25	Sec. 1		F						
5. like a curve					F	La Cale		2.2.2			
6. in the top left hand corner.		G		1.2.13							
7. A kind of rectangle,	4.8.1				F	1- 35.5					
8. it's quite long and		G									
9. It's got a long side,	122	G							0.002/25		
10. it's horizontal.	120	G									
11. The horizontal quite long	12(14)	G		1.000		POSTSKIN					
12. and the vertical line shorter.		G			F						
13. The rectangle is at the bottom of the page.		G			F	1226	10-22	1990			
14. Draw a large rectangle				19.25	F						
15. in the top end about that one.		G				1. De 191					
16. They don't overlap, by the way.			G			100			12.424		
17. Draw a one head arrow				1.12.4		S					
18. down the page in the middle,		G									
19. with the arrow pointing left.				1000		S					
20. Draw a vertical line down the page,		G			F		1.0.727				
21. from 1/3 page down		G						1000	1		

	33		19	64	1	
I think that's it.	Constant of the	G			the state of the state	
56. and draw the arrow on its right hand.				S		+
55. kind of high up on its left	G					-
54. Draw anotherstill length,	G					
53. with the arrow pointing right.				S		-
52. on its left	G					-
51. Draw another shorter one vertical line			F			-
50. but a shorter one on its left.	G					-
49. Draw another kind of vertical line,			F			-
48. Draw the arrow on its left hand side.			-	S		-
47. and it's on the left hand side.	G					
46. that line is quite long			F			-
45. Draw right hand side and that one,	G					
44. but not really, a kind of tilted.					R	-
43. Draw a kind of vertical line,			F			-
42. on its right hand side.	G					
41. and then draw another arrow				S		
40. on the left hand side of the middle one	G					
39. Draw a vertical line			F			
38. with the arrow point left.				S		
37. on its right hand side	G					
36. Draw two shorter vertical lines			F			
35. and then draw another arrow on its right.				S		-
34. Draw a shorter vertical on its right	G		F		 	-
33. and then draw another head arrow point right				S	 	-
32. A long one	G					-
31. on the right hand side.	G				 	
30. Draw a long vertical line			F			-
29. pointing left.	G					
28. but just one head of the arrow				S		
27. draw a kind of arrow,				S	 	+
26. but the top end of the line,	G		F			-
25. not the bottom end	G				 	
24. From the end of the line,	G		F			-
23. in the middle the page.	G					-

# FIRST YEAR session 03 - Description 02 (Architectural sketch)

Segments	Gei	ieral D	escript	ions	Features Descriptions		Reflective Descriptions				
	Paper Refer	Size Posit		Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap	
1. Draw a square on the paper					F						
2. but with some bit frame			G				Sec. 1		A.Comes	1	
3. on its right side		G	1	100				163544			
4. and bottom there,		G			No.		24.200	68.026.00			

i 1			i		<u></u>	1		1	
5. so you have space		G			<u> </u>		-	ļ	
6. to draw another things there.		G	ļ	ļ	ļ	ļ	ļ	ļ	
7. Draw a large square on the page,			ļ	F	<u> </u>			<u> </u>	R
8. but with bit frame on its right side		G		l				<b> </b>	R
9. and bottom of the square,	G			F				<b> </b>	R
10. because there is some others bit		G	ļ	<u> </u>			<b>_</b>	ļ	R
11. to draw there.		G			<b> </b>			<u> </u>	ļ
12. Draw a rectangle.				F	<u> </u>			ļ	ļ
13. It's half the length of the square.	G	ļ	ļ	F	<u> </u>		+	ļ	
14. It's below the square,	G	<u> </u>		F	ļ	ļ		<u> </u>	
15. kind of 1/3 down the square.	G	ļ		F		ļ			
16. It's a quite thin rectangle.		<u> </u>	ļ	F			ļ		
17. One side of the rectangle		ļ		F	1			ļ	
18. is kind of connected to square,	G	ļ	ļ	F	ļ		<b>.</b>	ļ	
19. Draw a small square		ļ	ļ	F				.	ļ
20. on the right hand side	G	ļ							
21. of the large one.		G	ļ		<u> </u>		L		ļ
22. Leave some gap		G			L	ļ	<u> </u>	ļ	L
23. between the large and the small square.				F					
24. Draw a horizontal line				F					
25. across the middle of the square.	G			F	T				
26. Draw a vertical line				F	T				
27. from the middle of horizontal line	G			F					
28. to the bottom of the square	G			F	1		1		
29. and it is on the middle.	G								
30. Now you got like a large square				F					R
31. with two other little squares				F			1		
32. at the bottom.	G	1	1						
33. On the square on left hand side	G			F	1		1		
34. draw two horizontals lines.				F				<u> </u>	
35. You got three equal rectangles.				F				<u> </u>	
36. Draw a horizontal line				F			1	<u> </u>	
37. from the middle of the square	G			F	1				
38. to the middle of the small square.	G		r	F			1	1	
39. Draw a vertical line				F	+		<u> </u>	<u> </u>	
40. from the right hand side	G	<u> </u>					+		
41. of the large square	<u>~</u>			F	+		†	<u> </u>	
42. down to the middle horizontal line	G			F			+	<u>├</u>	
				F F			+	<u> </u>	
43. of the large square.	G	<u> </u>		<b>r</b>	+	<u> </u>	<u> </u>	<u> </u>	
44. It is not in the middle,	G	<u> </u>			<u> </u>			<b> </b>	<u> </u>
45. it's near the edge of the right hand side.	<u> </u>		<u> </u>						
46. Just draw a vertical line.				F	<b> </b>		<b> </b>	ļ	<u> </u>
47. It's on the right hand side,	G				<b> </b>				
48. actually in the square.		<b> </b>		F	<u> </u>			<b>_</b>	
49. Close to the right edge.	G					ļ	<b> </b>	ļ	<b> </b>
50. Draw a vertical line				F	Ļ	ļ		<u> </u>	
51. from the top of the square	G	ļ	L	F	L			ļ	
52. down to the middle horizontal line.				F	ļ			L	<b> </b>
53. Draw a S shape,					S				L
54. but a inverted S shape					S				ļ
55. on the top of that line.	G			F	L				l

				80		
	35		37	3	5	21
60. I think that's basically it.		G				
59. on the top of the rectangle.	G		F			
58. Draw a inverted S shape			1.18	S		
57. on the right hand side.	G					
56. You've got a kind of a thin rectangle			F			

#### FIRST YEAR session 04 - Description 01 (Architectural sketch)

	Gei	neral D	escript	ions		tures iptions	Re	flective D	escription	15
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
. A plan of a room in L shape.						SS				
. A gap between the two alongators sides		9.92	G			1				
. of got they.			G							
. It is also a plan view.						S		72217		
. There is a long rectangular room			1		F	S				
. within that plan.						S				
. This is cute across,		G								
. so you got two rectangles.					F					
. About one sixth down		G								
0. from the rectangle one					F					
1. draw a gap			G							
2. which close through the square one.		3			F					
3. Then a <i>diving body</i> in your right.			7.5			S				
4. A typical diving body .						S				
5. A big body						S	CS STA			
6. witch is on the top of it.		G								
. It's also like a plan view.	1					S				
			6		4	9		0		
						19				

# FIRST YEAR session 04 - Description 02 (Non-Architectural sketch)

	Ger	neral D	escript	ons		tures iptions	Reflective Descriptions				
Segments	Paper Refer	Size		Concl		Symbol	Judgm	Remem	Reflect		
. On the top left corner is an arch		G			F						
. and opposite that		G									
. to your right of your paper		G									
. in the corner		G									
. is a circle					F						
. small than that arch circle will be.			122		F						

		1			1	1	1	1	
. Right down the bottom	G	ļ			 	ļ	L		
. there is like a puddle,		ļ			S				
. just an ellipse,		L		F	<u> </u>				
0. oval shape thing.				F		<u> </u>			[
1. From there		G			ļ				
2. you've got a long straight line		ļ		F	<u> </u>	ļ			
3. going right	G								
4. going towards the circle				F					
5. but not, is near the circle		ļ		F				R	
6. but not right attached to the circle		G		F					
7. and then to your right	G								
8. is an arrow					S				
9. not just at one side,	G								
0. and on your right,	G								
1. just draw it on your right	G								R
2. not on your left	G								
3. so its like a hook or kind of thing					S				
4. and then draw the same thing		G							
5. in the middle	G								
6. from the oval thing				F					
7. going up	G							<u> </u>	1
8. but this time the arrow thing is on your left.		1			S	1		1	1
9. Another of those lines,		-		F				1	1
0. which point to the arch from			1	F					1
1. the middle again of the old one.	G						R		1
2. This time the arrow,		· · · -			S				1
3. well the half arrow thing		1			S			1	1
4. is on your left again,	G	1					1	1	
5. so you've got like what looks like a hook.		1			S			1	R
6. On the left of the oval	G	1		F					1
7. you've got another of those straight lines,		1		F		1	1		t
8. but they only go half way to the top	G						1		+
9. and then your hook thing					s	1	-		+
0. is on your right this time.	G					<u> </u>	-		+
1. Another one of that,		G	+					+	+
2. the last one,		G							+
3. should be at the edge of the paper	G	<u>+</u> <u>−</u>					<u> </u>		+
4. so next one is close to the middle	G		╆╼╼╼┝			+	+	+	<u>+</u>
		<u> </u>			<u> </u>	+	+		+
5. but not in the middle	G	<u> </u>	<u> </u>		<u> </u>	ł	<b>+</b>	+	+
6. and not at the edge,				·				+	
7. the arrows is on your left,	<u> </u>	<u> </u>	<u> </u>		S		<u> </u>		┼───
8. then on your right to the oval	G		├	F		<del> </del>	+	<u> </u>	+
9. draw the same arrow going half way out			┟──┤		S	ļ	+		<u> </u>
0. straight to the top	G	<u> </u>				<b> </b>	<b> </b>	<u> </u>	<b> </b>
1. and like you've got the hook on your left.			├		S	<b> </b>	<b> </b>	+	<b> </b>
2. About 1 tenth up to the top arch	G		ļļ	F	ļ	ļ	l		<b> </b>
3. and the circle looks like a trapezium				FF		<b> </b>	ļ		<u> </u>
4. but not like,		ļ	<u> </u>		ļ	ļ	<b>_</b>	R	<u> </u>
5. rectangle but not like, trapezium.		ļ		FF	ļ	ļ	ļ		ļ
6. Like you've got curved,	· · · · · · · · · · · · · · · · · · ·	ļ		<u> </u>	ļ	ļ			<b>_</b>
7. its like the oval		L		F			1		<u> </u>

	all a			108			
	4	2	36	23		7	
8. and the arch like a bruised eye or something.			F	S			
7. and you've got one circle as the eye			F	S			
6. and the rectangle thing is the nose			F	S		-	
5. and the oval is the mouth	11 120		F	S			
4. and then you've got a hook thing				S		1	R
3. and then you've got a circle	2 222			S	1.1.6		R
2. like you've got an eye going like an arch			F	S			
1. So it looks a bit like a face,				S			
0. and then one above the rectangle oval.			F				
9. Three from the rectangle oval shape			F			A Contractor	
8. 6 of which starts from the oval.		G	F				
7. you should have 10 of these hook things		G		S			
6. so in totally		G					
5. on your right this time	G						
4. so you've got an hook	20			S			
3. draw one more straight line			F				
2. not in the shape, above the shape,	G						
1. Above the shape,	G						1
0. and then your hook is on your left.				S			
9. the same line			F				
8. draw the same kind of shape,		G					
7. and then on the right of this shape	G						
6. then draw the hook on your right,				S			
5. like half way up again,	G					-	
4. draw one more straight line,			F				1
3. On the left of this shape,	G						-
2. and its like miscued.		G	1				-
1. like you've got four sides to it,		G					
0. but more like a rectangle,			F				-
<ol> <li>8. but like a more rectangle actually,</li> <li>9. like draw an oval shape</li> </ol>			F F				

### FIRST YEAR session 05 - Description 01 (Non-Architectural sketch)

					Feat	tures			3.5 10.60		
	Gei	neral D	escript	ions	- Welling Backers Charles	iptions	Reflective Descriptions				
Segments	Paper Refer	Size Posit		Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap	
1. There are a lot of vertical lines			G		F						
2. and at the top of the vertical	Star Berry K	6.64	in the		F						
3. there is a diagonal line		120			F						
4. touching the top of the line.	and the second				F			Sec. 1	4-4-4-4		
5. Like a flag.		144	-			S					
6. There is circle					F	-1		4947.12			
7. at top right hand corner		G				-26-64-69		1214			
8. and top left hand corner		G	1.000			2.30.3	12.2.1	Sec. 1		80.0	

	NAME:		e arte de		37		
	1	4		15	6	2	
31. Triangle flags on the top.					S		
30. Like flags on the top.					S		
29. Eleven vertical lines.		G					
28. A lot of vertical lines.	1 -0	G					R
27. Don't think I can see anything else.			G				
26This oval shapes cut through the vertical lines.				FF			
25. Slight bigger.	G						
24. Above that there is another oval shape.	G			F			
23. So there are oval shapes there.				F			
22. to right hand side.	G			1. 515			
21. One start on the bottom left hand side	G			12.1			
20. There are two of them.		G					
19. but a kind of kids' oval shapes.			6.2	F	S		
18. not really oval,				F		R	
17. Also there are a couple of ovals shapes,			1.00	F			
16. left hand corner.	G						
15. On the corner,	G						
14. cutting one edge to other edge to the page.	G			1.16			
13. a quarter of the circle				F			
12. Just a circle.				F			1
11. you see in a little kids pictures.				3	S		1
10. like a sun					S		
9. there is one fourth of the circle,				F			

### FIRST YEAR session 05 - Description 02 (Architectural sketch)

1

	建筑的建立	Verb	al Cogn	itive Ac	tions						
	Ge	neral D	escript	ions	and the second second second	tures iptions	Reflective Descriptions				
Segments	Paper Refer	Size Posit	THE REPORT OF THE PARTY OF THE	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap	
1. This is a plan drawing.						S					
2. More like a plan sketch.			1.1	12.14	28/71	S	-comes-	(neise)			
3. Very massive.			G	the state	5.4.1.			1.1.1.1.1.1.1		14.14	
4. What you see is a big square.		1	1.54		F	1	1 alary				
5. So draw a big square.		1236	1.24		F						
6. You have a line	1000	1212	Sec. Ast		F						
7. cutting through the square,					F			1449 Mar			
8. from the left side to the right side,		G									
9. horizontally on the middle.		G			and so			See Charles		24.4	
10.So you have two rectangular boxes.					F	S		10-1-1-2			
11. Box shapes now.		The second				S		i de la composition por			
12. On the top rectangle	-				F			Sec. 1		-	
13. on the right side,		G			1.1	122				-	
14. touching the wall,						S		Chine Pa			
15. you have a little bed.				1.1.1.1		S		1.1.1.1		1	
16. Looks like a bed.			14.12			S					
17. Is drawing in the short side		-	G					1.1.1.1.1.		-	

	··· <del>-</del> ··· ···						,	•	
18. of the rectangle.				F					
19. Just draw a little small bed.					S			L	
20. A plan drawing, so like study.					S				
21. Then from the middle of the square,				F					
22. the exact middle of the square,				F					
23. touching the line that cuts the square,				FF					
24. draw a line downwards	G			F					
25. splitting the bottom rectangle				F			_		
26. into two squares.				F		<u> </u>			
27. Then in the bottom left square	G			F					
28. draw two horizontal lines,				F					
29. splitting the bottom left hand square	G			F					
30. into three even rectangles.				F					
31. Same size rectangles.				F					
32. At the bottom of the left square,	G			F					
33. out side of the big square,	G			F					
34. out side,	G								
35. you have another rectangle,				F					
36. which the long part		G						[	
37, starts in the bottom	G								
38. of the left hand square to the right	G			F		1			1
39. into the middle part the square, basically.				F	1			<u> </u>	
40. It's parallel lines		1		F			1		1
41. to the bottom side of the square,	G			F					+
42. make the rectangle.				F				[	
43. So parallel to the square.				F					
44. In the middle of the box		1			S				1
45. of the big square,				F				<u> </u>	+
46. just in the middle towards,	G				†	†		<u> </u>	1
47. a little bit towards the bottom the square,	G			F					+
48. draw a sort of axes.		<u> </u>			S			[	
49. Like maybe <sup>3</sup> / <sub>4</sub> axes					S				1
50. just across that area.		G							
51. Maybe some massive squiggles		<u>                                     </u>		F	<u> </u>	·		<u> </u>	+
52. I can't describe this.		+		•	<b> </b>	R			+
	G		1 1	F	<u> </u>				+
53. Then on the right side of the big square,	G			•	<u> </u>				+
54. a little bit underneath where split.	<u>`</u>							R	+
55. Basically I'm talking	G			F	<u> </u>				+
56. about the bottom right hand square,		<del> </del>			<del> </del>	{	<u> </u>	ł	+
57. you have two lines perpendicular			<u> </u>	F	<u> </u>				+
58. to the right hand square		<b> </b>		<u> </u>	<u> </u>			<u> </u>	
59. extend out side of the square.	G			F		ļ		<u> </u>	
60. Two lines,		<u> </u>		F		<b> </b>		ļ	<u> </u>
61. what ever you understand.		<u> </u>	I		<b> </b>	ļ	<b> </b>	R	
62. You stop those lines		<u> </u>	┥───┤	F	<b> </b>		<u> </u>		┟───┥
63. maybe a quarter of the total length		G	<u>                                     </u>	<del></del>	ļ		ļ	ļ	<b>_</b>
64. of the side of the square.			<u>                                     </u>	F	<b>_</b>			<b> </b>	ļ
65. Quite short lines.		ļ		F	ļ	ļ	L	Į	Į
66. Where exactly you finished those two lines	G			F	<u> </u>				
67. just draw another square.				F	L			ļ	<u> </u>
68. Very small square.				F				l	1

	84										
		25			43	12		4			
70. Too difficult, crazy.							R				
69. That's all.				;			16.50				

#### FIRST YEAR session 06 - Description 01 (Non-Architectural sketch)

	Ge	neral D	escript	ions	All a state of the	tures iptions	Re	flective D	escription	15
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1. I see two abstract organic shapes.			G				1997 - Ally -			
2. Like ponds						S		121-011	10.07	
3. on the bottom of the drawing.		G			10.00					
4. The top one,		G			1.38.3		1210213		61367	
5. the one which I'll describe this way			G		Provide 1	1.01.16	1.1 3.1 2			
6. is the larger		G			2. Ral					
7. and the one in the bottom		G							1.	
8. is the smaller one.		G	1746.3		1 - 2 -					
9. They are sausages like shapes.						S	an aite		N.C. MA	
10. The top of the picture		G	1.				1222/21			
11. there is one that is like the sun.	1000				12.54113	S				
12. It's a full boll			32.0			S			1411.22	
13. and in the top left		G	205				Nation of the			
14. is one that looks like a larger sun,	11391		1965		funder and	S				
15. but it is cut out,		G	1.12							
16. you can see a quarter on the page.			G				12.193			
17. Coming up from the pond like shape	1075	COL				S	1212			
18. are look like reeds.						S			620.60	
19. They also look like ticks upwards around.		32043				S	2152			
20. So is a long vertical section			1.000		F	116.13		1.		
21. and a shorter section	2401	G			1.79			52 4 6 22		
22. pointing to the ground.		G			1.16			S. Start		
23. Like a triangle.		1274			F		IL PASS			
24. There are ten of this.	11535		G							
25. They are arranged.			G				13.25			
26. There are six in the small pond like shape.			G			S			10.25	
27. Three in the further away larger pond like shape					S. S. S.	S	12.20064			
28. and a couple more beyond that.	1999		G						2 COLORS	1
29. They all vary in size and shape.			G				123336			
		1	8		2	10		0		
			at we deplet			30				

### FIRST YEAR session 06 - Description 02 (Architectural sketch)

Verbal Cognitive Actions

	Gei	neral D	escript	ions		tures iptions	Reflective Descriptions				
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap	
1. This drawing looks like a very sketching						S					
2. plan of a building.						S	1.111				
3. The main body of that			G		P-2-3-6-14			health			
4. is a square object in plan.					F	S	02.00				
5. The out lines of the square,					F	ing a special		Street of			
6. is a very rough sketch,				See North	1 Storers	S	e en	5-04			
7. like made in a hurry.					en la		14220000	R	1 Carlos al Ca		
8. There are all borders by double lines,	1		-18m2	-	F	print being		****	Alter Ser		
9. the square.	-	1	1	1.000	F		bi ti kat		1244		
10. They not very meet.			G		(See 196		B. Markey	11-12-14-14			
11. There is a very small square					F		Sec. 1	1	-		
12. at the right hand side		G	1	-	President in				Sector Print		
13. of this main large square body.	-	Protection	And the second		F				Sec. 19	-	
14. It's approximately in the middle	1-1-1-3	G	1.2366		S.L. ANT	1	Section 15		No.		
15. of the right hand side		G	1.000		1.2.2.2.2.1.1		8. J. F. F.	1.00	a printer he	6.4.4	
16. and in a small distance out.		G	and the second	de la com	1.		-	Contraction of			
17. It's connected at the main large square	-	1			F		-2/6.63				
18. by what look like a wall in plan.	1.2				2-5 B	S	and a second			124.46	
19. Double lines.	i la serie				F		-		and and a		
20. There are some sketch details		and the second	-		14.32 10 1.13	S	1. S. 1. 1. 1.		- Artes		
21. inside the large square.	14.64	C. State	Sec. 44		F		and the second			64 A	
22. It's divided into two		2	G		Plater and		Sec. Sec.				
23. by one straight line.					F		-				
24. A horizontal line in the middle.		G			F		1.1.1.2.				
25. In the left lower quadrant		G					L. L. S. L. L.				
26. there is a small horizontal line.					F						
27. Two even in the space down		1222	G				1.1.1.1.1.1				
The second s		G	-		F						
28. of the bottom of the square.		0			F	SS					
29. There are some 'un-referring' crosses, taxes, dots		G			F	55					
30. just under the central horizontal line.		G			F						
31. To the bottom of the square		0									
32. there is a rectangle		0			F						
33. which is longer that taller.		G			-						
34. It's in the side of left edge of the square.		G			F		States of the	10000			
35. Just below.		G		AND A DAY OF A		Charles and the		and the second state of		No. No. IT LA	
		1	6		18	8		1			
						43					

### FIRST YEAR session 07 - Description 01 (Architectural sketch)

				itive Ac	Contract of the second	tures				
Segments	Ger	General Descriptions			Descriptions		Reflective Descriptions			
	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recar

· · · · · · · · · · · · · · · · · · ·	·			 			,		
1. Basically this sketch is a plan of a room	<u> </u>	ļ			S			-	<u> </u>
2. with several other rooms.		ļ	ļ		S	ļ	ļ		l
3. A plan of a building,		ļ		 	S				
4. quite sketchy.				 	S				
5. Draw a rectangle long	L			 F	ļ		<u> </u>		
6. going across page.		G		 					
7. Have your page landscape?	G			 					
8. Draw about six or seven cm,		G		 					
9. just one line				 F					
10.going across horizontally.		G		 					
11. That's the long side of the rectangle.				 F					
12. The width the rectangle going down		G		 <u> </u>					
13. is about three and a half or four cm.		G		 					
14. On the bottom right hand corner		G							
15. of that rectangle,				 F					
16. draw another rectangle,				F					
17. which is like vertically up.		G							
18. Looks like a bed,					S			[	
19. a bed with the pillow.		[			SS			1	1
20. It's against the right hand wall,					S		1		1
21. goes up	[	G		 				1	1
22. about until half cm to the top.		G		 				-	<u> </u>
23. The bottom hand corner		G		 	1		1	1	
24. comes out a cm of the bed		G		 	S				
25. and goes up to half cm to the top		G		 				1	+
26. and got a pillow included in that,					s			1	+
27. which is about a cm deep.		G		 				+	
28. So the bed is a continuous rectangle one,		<u> </u>		 F	S				-
29. vertical in the right hand side		G		 	<u>                                     </u>			<u> </u>	+
30. with a pillow.		<u> </u>		 	S				+
31. Just draw a bed	<u> </u>			 	S			+	R
				 	s				+ <u>~</u>
32. as you imagine with a pillow.		G		 	<u> </u>			<u> </u>	+
33. About a cm width		G		 	<u> </u>			+	+
34. and about three cm high.		G G		 	<u> </u>	ļ			+
35. Stop just in the right hand corner,		<u> </u>		 					+
36. in the corner against the right wall.				 	S			<b></b>	
37. Then draw another rectangle				 F					
38. below the one you got,		G		 	l		R		
39. the main one.		G		 			ļ	<u> </u>	
40. The same again.		G		 		<u> </u>			
41. So go down		G		 				<u> </u>	
42. another three and a half cm		G		 ·····				1	1
43. and across the same distance again.		G							
44. So you now got double the square.				 F					
45. Like two rectangles in the same,				F					
46. touching each other on the long side.		G							
47. Divide that rectangle in half vertically.		G							
48. So like in a middle vertically.		G						1	
49. Then divides the left hand section of that		G		 	1			1	1
50. into thirds horizontally		G		 				1	
51. with two lines.				 F					1

			_						
52.So, then taking the right hand thing of that,	G	1							
53. it's like a square now.				F		<u> </u>			
54. Extending the top of the thirds.	G								T
55. You got the thirds in the left.	G						R		1
56. Take the top of those two lines				F					1
57. you drew in the middle.							R		T
58. Extending about a cm	G	T							
59. into the square in the right side.				F		1			
60. They get up about half cm	G								1
61. and they go across to the wall,					S				
62. to the right wall,					S				
63. horizontally.	G						1	1	1
64. The same distance again,	G				Τ				
65. through the wall.		1			S				1
66. So a line coming out				F				1	+
67. through the wall.					s		R	1	1
68. Then draw a square,		1		F	1			1	1
69. about a cm square	G	T		F	1	1		1	1
70. in the end of that line,	G	1		F	1	1		1	<u>†</u>
71. outside the rectangle,	G	1		F	1	†		1	<u>†</u>
72. the right side out of the two rectangles.	G	+	+	F	1	<u> </u>	1		+
73. Ok, almost finished.		†	G		+		1	1	+
74. Then draw in that line,			Ť	F			+		
		+		F		ł			+
75. horizontal line that goes out,		+		F		<u> </u>	<u> </u>	┨────	+
76. draw a little line about,	G	+				<u> </u>	+		+
77. should be about a half cm.	U	+	+		S		+	+	+
78. Extend the bed down,		+	+		SS	<u>}</u>	+	<u> </u>	+
79. like the bed sticking the wall.				F	- 55				+
80. Just one line.	G	+	+			<u> </u>	+	+	+
81. Below the bottom of the whole drawing,	G	+						<u> </u>	┼───
82. take the left hand side of the large object.	G	+	+		<u> </u>	<u> </u>	+	<u></u>	┢────
83. Extend line down		4				<u></u>	+	+	+
84. about two cm.	G					<u> </u>		<u> </u>	<u> </u>
85. Then go across to the middle point,	G	┥	+		<u> </u>	<b> </b>		<u> </u>	┥
86. like level			i		S			<u> </u>	<b></b>
87. and go vertically to the bottom of that.	G				ļ			ļ	<u> </u>
88. Horizontally,	G	+	+		ļ			ļ	<u></u>
89. so level in the middle.		ļ			S				<u></u>
90. Level in the middle like you drew down					S	ļ	R		
91. in that rectangle above,				F					
92. about two and a half cm.	G					ļ			
93. Then go from that,	G								
94. go up half cm	G								
95. and then back	G								
96. to the right hand side.	G								
97. So kind of a little rectangle,				F					T
98. almost the same shape	G					<u> </u>			1
99. as bed you drew early,		1	1		s		R	1	†
100. but the other way round	G	<u>†                                    </u>	1		1	t	<u>†                                    </u>	1	<u>†</u>
101. at the bottom.	G	†	G		1	<u> </u>	+	1	<u>†</u>
102. That's it.		1	+		1	t	+	<u>+</u> -	<u>†</u>

58	26	26	7
		117	

### FIRST YEAR session 07 - Description 02 (Non-Architectural sketch)

		Verb	al Cogr	itive Ad	ctions					
	Ge		escript		Feat	tures iptions	Re	flective D	escription	IS
Segments	Paper Refer	Size Posit		Concl usive	Formal	Symbol	Judgm	Remem	Reflecti	Recap
1. This is not a room.						S				
2. Is more like a golf wind or something.			1.			S	1944	6-63-2		
3. First of all draw a box						S	1400-121		1000	
4. about eight or ten cm across		G					11-11-11			
5. horizontally.		G			See man					
6. Have you the page landscape again?	G		1.10				24.4		1.2.50	1000
7. Eight cm and then down about twelve cm.	444	G		0.000			and the states	6-6-6-8-8		
8. Make a rectangle like that,		998X			F	12-4-51	1.577 224			
9. vertically up the rectangle.		1020			F			1		
10. This is the frame of your picture.		14.20	G		1.1.1.1.1	S		14		
11. In the top right hand corner		G			Sec. 1					
12. about half cm from each side,	1.1.3	G			States -		24	1.5.634.0		-
13. draw a circle like a sun,					F	S				
14. about a cm in diameter.		G				12020		Sec. Sec.		
15. In the top right hand corner		G								
16. of the rectangle you drew,					F		1 Carlo and	R	Sec. and Sec. Sec.	
17. draw a sun		0-54				S			La Carl	R
18. about one cm diameter		G			-				and the second s	R
19. and half cm in.		G			5.53 24		1.1.1.1.1.1.1.		Section 2	
20. Just a circle.					F		la a parte de la			
		G								
21. Top left hand corner					F					
22. draw a quarter of a circle.		G								
23. Comes from the top.		G								
24. In the top left		0			F					D
25. there is a quarter of a circle.		0								R
26. This circle is about two cm in radius.		G			F					
27. So a quarter of circle there,					F	2		1000		R
28. in the top left hand corner.		G								200
29. Then in the bottom of the rectangle,		G			F		Property in	Section 1		
30. across the bottom,		G			Section 1		1000	0.000		100
31. draw like a oval shape,			1000		F		Rest	1000	Sec. 1	1111
32. landscape.		G			alerter.					
33. Its width in the middle		G								
34. is about one and a half cm		G			Accession 1	1				
35. and goes almost the edge of each one.		G					Constant .			
36. Like a golf wind looked out from distance,						S		Non New York		
37. so like a ellipse.					F		3-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	1	C.C.C.	
38. Above that draw another one.		G			3.4		10-11-12-5		•	
39. Goes even close to the edge		G		1.64	S-a-ne-			1		
40. of the rectangle					F	44-4-4		a final sector	States of	

41. and its got two cm high.	G	<u> </u>		<u> </u>			1	]	
42. It's more like a square,			L	F					
43. its got curved edges	G								
44. but it's more like a square				F					R
45. with out corners.	G								
46. Now there are ten flags like that.					S				
47. The flags are drawn					S				
48. like just vertical lines.				F					
49. You know when you draw								R	
50. a properly number one.					S				
51. You draw a vertical line				F					
52. with a little dash in the top					S				
53. and a little dash in the bottom.					S				
54. Take the dash of the bottom					S				T
55. and that what it looks like.		G							
56. Starts on the right,	G								1
57. this is on the top ellipse.				F		T		1	1
58. The higher ellipse,				F				1	1
59. starting near the top right hand corner of that,	G								1
60. goes up about three cm	G						1	1	1
61, and the dash in the top			1		S			<u> </u>	+
62. goes diagonally down to the left.	G	+	<u> </u>		†		1		+
63. Next one starts on the top right hand	G	+	<u>†                                    </u>		†		1		+
64. of the bottom ellipse.				F			<u> </u>		1
65. So slightly inside that one,	G	†	<u> </u>			<u> </u>			+
66. goes up	G				<u>†</u>	1			
67. slightly under the other one,	G				<u> </u>	<u>+</u>	R		
68. about four cm	G					<u>}</u>		<u> </u>	
69. and diagonally down	G	1							
70. to the left again the dash,	<b>_</b>		<b></b>		S			<u> </u>	+
71. and the dash is about one cm long.	G	<u> </u>			S		┼────		+
				F			<u> </u>		<u> </u>
72. Next is in the top ellipse again,	G		<u> </u>				<u> </u>	<u> </u>	+
73. is about one and a half cm	G							<u> </u>	<del> </del>
74. in front the right hand side.		+					<u> </u>	<u> </u>	
75. Goes straight up about three cm	G	<u> </u>				<b> </b>			
76. and has a quite long dash					S			<u> </u>	<b>_</b>
77. to the right hand side this time.	G						ļ	<u> </u>	
78. Next one is very long		G	 			 	ļ		ļ
79. and right to the bottom,	G	ļ	ļ	L			ļ	L	<u> </u>
80. almost in the middle,	G	ļ	L		L	L	ļ		<u> </u>
81. slightly in the right middle	G	ļ					ļ		
82. of the bottom ellipse.		L		F					
83. Goes right up	G	ļ	<u> </u>						
84. almost to the sun,					S				
85. like to the bottom of the sun.	G				S				
86. The dash goes down to the right,					S				Γ
87. quite deep,	G					[	1		1
88. almost touching the sun					S	<u> </u>	1		1
89. and goes up there.	G		r		[	t	1	1	1
90. Just in the left of it,	G					t		1	1
91. a cm right going straight to the sun.	G				S	t	1	<u>†</u>	1

·····						_			
92. Move your pen,								R	
93. get your pen in the bottom	G								
94. where you just drew,							R		
95. about a cm to the left	G								
96. and draw another one	G								
97. about the sane high,	G								
98. about one cm less	G								
99. and the dash goes to the left this time,					S				
100. diagonally down.	G								
101. The next one starts above the top ellipse,	G			F					
102. about a cm above the top ellipse	G			F					
103. and about a cm left the wind you did,	G						R		
104. and its only two and a half cm long	G								
105. and the dash goes to the right.					S				
106. So floating in the air.					S				
107. The next one is slanted slightly	G								
108. and starts almost the same point,	G								
109. like the last one	G								
110. in the bottom ellipse started.				F					
111. Slightly up	G						T		1
112. and goes diagonally left	G		1			1			1
113. about five or ten degrees	G					1	1		†
114. or something, no much.		1	1		1		1	R	1
115. Goes up	G		1			1			1
116. almost touching the quarter circle		1	1	F	1	1	-	1	<u>†                                    </u>
117, and has one and a half cm or two cm dash		1	+		S		-		+
118. going out to the left.	G					1	1	†	<u> </u>
119. Three more to go.	†	G					<u> </u>	<u> </u>	<u> </u>
120. The next one starts in the top early	G				1	1		T	<u> </u>
121. of the bottom ellipse.				F	1	1	1		1
122. In the top of it	G						1		1
123. about half cm left	G					1	1	1	+
124. to the last one you drew,		1			<u> </u>		R		†
125. slightly a little bit but not quite much,	G	+	1			1	+	t	t
126. a kind of converging on the other one.		G						1	<u>+</u>
127. Doesn't touch it.		G				<del> </del>	1	+	<u>+</u>
127. Doesn't touch it. 128. It goes about three and a half cm	G	+				†	+	t	+
			<u>+</u>	F	+	+	1	1	<u> </u>
129. down in the top ellipse	G	+	1		1	+	+	<u> </u>	┼───
130. but about one cm.		+	<u> </u>	F				<u> </u>	<del> </del>
131. Has a long dash about one and a half cm,	G	<u> </u>	<b>├</b>	<u>г</u>	+			<u> </u>	╆────
132. quite to the left.	G	+	+		<u> </u>	<u> </u>		<u> </u>	+
133. Last in the bottom ellipse	G		+		<b> </b>	┨╼────	+	+	+
134. starts quite early in the edge			+		+	<u> </u>	+		╂
135. of the bottom ellipse,	G	┝	+	F				<b> </b>	<b></b>
136. in the middle.		<b> </b>	+			<u> </u>	+	<u> </u>	+
137. Goes up,	G				<u> </u>	<u>+</u>	+	<b> </b>	
138. not quite out of the top ellipse		<u> </u>		F		<u> </u>	+	<b></b>	<u> </u>
139. and has a dash diagonally		<u> </u>		- ···	S	<u> </u>		ļ	<b> </b>
140. to the right slightly.	<u>G</u>	<u> </u>	+		ļ	ļ		<b> </b>	<b>↓</b>
141. The last one is in the top ellipse,		<u> </u>		F	+	<u> </u>			<u> </u>
142. starting very close to the edge of it,	G	L		·	1	I		<u> </u>	L

				168			
	95		32	28	13		
50. That's all.		G					
149. to the right side.	G						
148. and has a three or four cm dash	G	10		S		100	
147. goes up about three cm	G	Cale to Ball		A COLOR			
146. but across,	G						
145. not crossing that way	G						
144. Goes up vertically,	G					10 24	
143. about a mm of the left edge.	G			1961			

### FIRST YEAR session 08 - Description 01 (Non-Architectural sketch)

		Verb	al Cogn	itive A	tions	la serie de la	n de la compañía	and the second		
	Ge	neral D	escript	ions		tures iptions	Reflective Descriptions			
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1. These are lines.					F					
2. It's an abstract picture.			G							
3. There is a circle,					F					
4. what I mean is an ellipse one					F					
5. and there are lines going upwards					F				1.577.185	
6. with arrows,						S				
7. half arrows on it.						S				
8. Above the ellipse		G			F		22615		13871 81	
9. there is a rectangular form,	2003				F					
10. which edges are in a circular form.		G			1.14					
11. Also from this rectangular form					F					
12. there are lines					F					
13. with upwards arrows,						S				
14. half arrows on it.		138-1				S				R
15. So in the top right hand corner		G								
16. there is a circle.		14.15			F					R
17. Small circle.		66			F					
18. On the left hand corner		G								
19. I see just a curve flying,					F	S			1211	
20. which comes from the top of the page		G								
21. to the left end of the page.		G								
22. A curve flying.					F	S				R
23. Also those lines going upwards.										
24. Ten lines going upwards.					F					R
25. Six lines are going upwards			G		F		-			
26. from the ellipse in the bottom.		G			F					
27. Three are going from the rectangular shape		12.5			F					
28. above the ellipse.		G			F					
29. Only one of those is off the rectangular shape,		G			F					
30. not included in the shape.		1000	G				10-12-11		622222	
31. That's all I see.		Sec. 1		G						

13	18	6	4
		41	

### FIRST YEAR session 08 - Description 02 (Architectural sketch)

Size Posi G G G G G G G G G G G		ions Concl usive		symbol S	Re	Remem	Reflect	
Posi G G G G G G G			F F F F F F F F		Judgme	Remem	Reflect	Reca
G G G G G			F F F F F F	S				
G G G G G			F F F F F F					
G G G G G			F F F F F F					
G G G G G			F F F F					
G G G G			F F F F					
G G G G			F F F					
G G			F F F					
G G			F F					
G			F F					
G			F F					-
			F					
			F					
			2.61					
	-							
			F					
G			1					
0			F					
			F					
	-		F F					
			F					
G		-						
G	-		F					
			F					
G			F					
G								
			F					
G								1.1.1.1
			F				Dist. Sid	1.00
G			120					1000
			F			12. 14. 1	1.1.1	
G			F					
			F					
G								
				S			100	
1			F					
		G						
	16		23	2		0		
		G	G	F G	S     F     G	S         S           F         G           16         23         2	S     S       F     G       16     23     2     0	S     S       F     G       16     23     2     0

	S. Stand	Verb	al Cogn	itive Ac	tions			an An and Stars		
	Ge	neral D	escript	ions	P. C. C. LEWIS P. C. Dark Community of	tures iptions	Reflective Descriptions			
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Reca
1. Start with a square.					F					
2. In the top right hand corner		G	1240		13.121731					
3. about three mm down,		G								
4. draw a rectangle					F					
5. going from the right hand side to the left	12.24	G								
6. making about a cm width	16213	G								
7. and go down	-0-44	G					1921.com			
8. about half way the square.		2.405			F		shyE/3			
9. Draw a line		10		12018	F		500		12115	
10. from a horizontal angle,		G			1000	12555			10.000	1
11. half way down the square.					F		1.1.1.1.1.1.1			
12. Divide the bottom half into half again	12.5	G	1133		1.00					
13. but vertically.		G	1223		1.20100					
14.In the left hand bottom square you just made,	1.544				F			R		
15. divide it in thirds horizontally.	1043	G				List of				
16. In the very bottom	6.614	G								
17. of the main square you just drew,		1914			F	645.121		R		
18. has a rectangle				1.00	F				1.000	
19. detached on the main square		G	10.0	10.00	F					
20. about half cm of the way.		G				123.9 2				
21. It's long rectangle		Sec. 1	1.50		F			1000		
22. going horizontally.		G								
23. In the bottom right hand square,					F					
24. in the main square,					F					
					F					
25. there is a small rectangle		G			- F					
26. in the top of it.		U			F					
27. From that rectangle					F					
28. there is a line										
29. going out of the main square		-			F					
30. to the right		G								
31. and there is a small square		-			F					
32. attached on the end of that line.		G			F					
33. In the bottom left hand small square					F					
34. that you drew in the main one,								R		
35. the top rectangle,					F					
36. about half way down that one,		G								
37. there is a line					F					
38. going from the right hand side		G			1.00					
39. to the left hand side,		G	1.00							
0. half way across.		G				1000				
		20	)		21	0	3			
		and the second		il, sale	Contraction of the	44				Contraction (1997)

### FIRST YEAR session 09 - Description 01 (Architectural sketch)

		Verb	al Cogr	nitive Ad	Children of the second second	tures				
	Ge	neral D	escript	ions	COLUMN DRIVER THREE STATES	iptions	Re	flective D	escription	15
Segments	Paper Refer		Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Reca
1. In the middle of the page		G							Sector particula	
2. towards the bottom		G							A	-
3. draw a oval shape.				3223	F				0-	
4. It's quite long		G				1-1-1-1	1	26-34-	11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
5. going horizontally.		G	1		1000	1-9-9-9-19		1		
6. Above that, a little bit above that,		G			11000		61:10:0		(the start of a	-
7. draw a rectangle					F		-25-25-2		19 19 19 19 19 19 19 19 19 19 19 19 19 1	-
8. with rounded edges,		G			The state of the					
9. but drawing horizontally.		G						0100000		
10. From the bottom oval shape			States.		F				pitteit	
11. there is a line going,					F					
12. there are a lot of lines					F					
13. but the first is on the right hand side		G							and the second	
14. and going vertically upwards.		G	N. P. ST		1922	A Contraction			1963.853	
15. Draw it going and passing		G							a crat	1000
16. the rectangle over bit.					F					
17. The line goes back on itself diagonally		172			F					
18. a little bit towards the left.		G						12.5.2.5	Sel Star	
19. There is another one of those			G							
20. of the same shape		G			1993				2503075	
21. going through the rectangle above,				0.03	F					
22. just underlining the line you just drew.		1	111		F			R		
23. To the left of that line		G	2123		F	des tor	<u>Disny d</u>			
24. there is another line,				12.2	F	Sec. As				
25. another shape	1221	G	1.1.1.	3.6.1	12.5	2.0.22				
26. like this one you just drew,				in days				R		
7. but is a reflection.			122.2			S				
8. To the left of that one		G	525			1.1.1				
9. there is one going			G							
0. from the bottom oval and still a little					F					
1. the line you just drew					F			R		
2. and that one defect itself to the other line.					F					
3. The next one goes,			G							
4. it's just one more of those			G							
5. and goes back itself to the left.		G								
6. The next one starts higher than that rectangle		G			F					
7. with rounded edges		G								
8. and goes back itself to the right		G								
9. and it's shorter.		G								
0. The next one with slightly angle		G								
1. going to the bottom oval upwards					F					
2. and goes back itself to the left.		G								

#### FIRST YEAR session 09 - Description 02 (Non-Architectural sketch)

				69		
	3	39	23	1	6	
60. there is a quarter of the circle drawn.			F			THE REAL PROPERTY.
59. In the top left hand corner	G					
58. there is a small circle.			F			
57. In the top right hand corner	G					
56. around everything you drew.		G			R	
55. Imagine if you do a rectangle			F			R
54. and goes back itself to the right.	G					
53. It's a short one	G					
52. and goes up.	G					
51. with the rounded edges	G					
50. The next one is just in the edge of the rectangle	G		F			
49. and goes back to the right.	G					
48. with rounded edges	G					
47. Goes and stop inside the rectangle	G		F			
40 6One next that one, goes from the bottom oval.			F			
45. and goes back itself to the left.	G		22			
44. but not as high the last one you just drew	G		1000		R	
43. The next one goes from the bottom oval also		the last of the	F			

### FIRST YEAR session 10 - Description 01 (Non-Architectural sketch)

	Ge	neral D	escript	ions		tures iptions	Reflective Descriptions			
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1.Ok, so it's portrait.	G									
2.On the top right hand corner		G			Sec. Mar	-		Sector goods	2000	
3.you need to draw a circle,			1.6.8		F			-		
4.which is about maybe five of this circle		G			F		1111	They when	Part P	
5.down the page,		G	199		4		44.00	de la conte	1000	
6.so a fifth of the page.		G		1						
7. So a circle like this.			-		F	-	in the second	-		R
8.On the top left hand corner,	J. 450	G		-	and the second			- Wester		
9. you need to draw a quarter of the circle		1823			F		the second of	-		-
10. from one side the page to the top of the page		G								
11. and that needs to be a third of the page.	-	G				in the second	A Station	and the		
12. At the bottom of the page		G	1 - 1 - 1							
13. it's an oval shape					F		1. 1. 1. 1.	See - Level		
14. but it's not a perfect oval shape,		-		-	F				R	
15. looks like a pound.			in the second			S	1.16			
16. Even in the end of the oval	141.04	1			F			ate in		4.09
17. it's slightly flatted,		G					- control of			
18. it's not a perfect shape.							-		R	
19. It's whole width the page.		G						-		-
20.It's again a fifth of the proportion of the portrait,		G			S				North Contraction	100
21. if it is a portrait.		G			and the second			Part -	-161-6-1-1	
22. Above this is another oval shape	1				F		-	Constant of the		

23. but at the ends this is flatted at this time.	G	_	_ <b>_</b>	ļ		-		1	
24. It is an oval shape with flatted ends.				F					
25. At the top and the bottom	G								
26. it is flatted as well.	G								T
27. So it's more like a rectangle				F				1	T
28. with the rounded corners.	G								1
29. Again it is whole width of the page	G								
30. and just slightly bigger than the last one,	G						R	T	
31. just our fifth of the high of the page.	G				1			1	1
32. Working from left to right	G	1			1				1
33. there is a series of straight lines.				F	1		1	1	1
34. Much of them are pretty much vertical		G		F					1
35. but there is a slightly angle	G	1						+	1
36. on some of them.		G				1		1	
37. They look like arrows,					S		1	1	
38. as you draw an arrow.					S	1		1	+
39. They all are pointing upwards		G	+		1	1	1	1	†
40. but as you got one side of the arrow on them.			1	1	s	1	1	1	+
41. So draw an arrow			+		S			1	R
42. with two diagonals lines			+	F	1	1	+		+
42. with two diagonals lines 43. and one vertical line,		-	+	F	<u> </u>	1	+	+	+
				F				+	+
44.as you got just one diagonal line of each line.	G					ł	<u> </u>	<u> </u>	
45. The first one is on the left hand side of the page,	G		+				+	+	+
46. starts about a third way up from the top.				F				<u> </u>	+
47. Draw a strait line there			+	<u> </u>	s	<u>+</u>		<u> </u>	+
48. and the diagonal part of the arrow	G		+	┼───		<u> </u>	<del> </del>	<del> </del>	┼
49. goes to the right.	G		+						<u> </u>
50. The second one is the same length									
51 but it is slightly close to the bottom of the page	G	·	+					┨────	╂────
52. and again the diagonal line			+	F				╂	+
53. goes to the right.	G	_						<u> </u>	╂────
54. So the same length,	G				<b>├</b> ────				<u> </u>
55. close to the bottom of the page	G	_		ļ				<u> </u>	+
56. and the diagonal line goes to the right.			+	<u> </u>	ļ	L	<u>                                      </u>	<u> </u>	<u> </u>
57 The third one is slightly above the second one	G		<u> </u>			ļ	R	ļ	Ì
58. also slightly longer	G			ļ	ļ			<u></u>	
59. and the diagonal line is also longer				F	ļ			ļ	
60. and goes to the left this time,	G				ļ	-			
61. goes up the top the second one.	G								
62. The forth one is same length	G								
63. of the ethers three plus half.	G								
64. So it's like 50% bigger	G								T
65. and the diagonal arrow					S			1	
66. goes down to the left.	G								
67 The fifth one is the same size as the first three	G		1						1
68. This time it starts,		G		1	1			1	1
69. the top of it	G	1	1	<u> </u>	1	1	1	1	+
70. is about a quarter of the way down the page	G	1		<u> </u>	1		1	1	+
71. and goes down	G	+	+	<u> </u>			1	<u> </u>	+
72. about half way down the page,	G	+	+	<u> </u>	<u> </u>	<u>†</u>	1	<u> </u>	+
73. just half way down the page	G	+	+	<u> </u>	<u> </u>	<u> </u>	1		R
15. Just han way down the page			_i	I	L	I		L	1.

74. and the diagonal line is to the right.		L			F				ļ	
75. The six one starts from right		G	Ļ				ļ			
76. in the bottom of the page,		G	L							
77. probably a couple cm up		G								
78. and goes right to the top third		G								
79. and should be in the middle		G	L							
80. of your portrait now.	G					ļ		ļ	ĺ	
81. Should be half way across the page		G	L			<u> </u>	ļ	L	L	
82. and the diagonal line goes to the right.					F	ļ	ļ	<u> </u>		
83. Should said before			L				ļ		R	
84 that neither of these lines you're drawing now		ļ	G			ļ	ļ	ļ	ļ	
85. cross each other		G				<u> </u>	ļ	ļ		
86.but cross through the ovals you drew early.		 			F	<u> </u>	l	R	L	
87. They don't interfere with any other stuff			G			ļ	Į			
88. in the top of the page.		G				L			ļ	
89. The seventh one is slightly longer		G								
90. that one you first drew		L	L			ļ		R		
91. and I didn't tell you		L				<u> </u>			R	
92. the arrow goes to the left in the last one,			L			S				
93. the diagonal line goes to the left.					F					
94. The seventh one is slightly longer		G								
95. that one you just drew,								R		
96. starts in the same stage		G								
97. at the bottom of the page		G								
98. and just goes a little further up		G								
99. at the level of the circle.					F					
100. The arrow goes down						S				
101. to the right this time.		G								
102. The eighth one is the same size		G								
103. as the first three again.			G							
104. It should be roughly enlarge		G								
105. then the first one,		G					[			
106. slightly above it		G								
107. maybe a fraction of that		G				1				
108. and the arrow goes to the right		<b>—</b> ——				S	<u> </u>			
109. more horizontally,		G				1	1		<u> </u>	
110. almost not angle,		G					<u> </u>		1	<u>├</u> ──┤
111. more horizontal.		G				<u> </u>			<u> </u>	11
112. The ninth one became the same size as,		G				1	<del> </del>		t	t
					••••••••••••••••••••••••••••••••••••••	<u> </u>			R	
113. no sorry,		G	i			<u> </u>	┼		<u> </u>	+
114. slightly bigger than those first three again		G				<u> </u>	+		<u> </u>	┼┤
115. and longer than the last one as well.		<u> </u>	G			<u> </u>	<u> </u>		<u> </u>	┼──┤
116. It starts just a little bit higher up			0			<u> </u>	<u> </u>	R	<u> </u>	<b>├</b> ───┤
117. than the two longest you drew.						<u> </u>	╞	<u> </u>	<b> </b>	┼───┤
118. Just longer than the first three,		G					<b> _</b>		<b> </b>	┼───┤
119. starts higher up		G				<b> </b>	<b> </b>		<b> </b>	┟┥
120. than the two longest you drew.						ļ	ļ	R	ł	╂
121. The diagonal line goes to the left.					F	<u> </u>	ļ		ļ	
122. Finally the last one			G			<b> </b>			<b> </b>	₋
123. should be in the right hand side of the page,		G				<b> </b>	ļ		<b> </b>	<b> </b>
124. is the same size as the first three you drew again.						I	l	R	L	

					183			
		10	6	38	12		27	
163. on the horizontal lines.		G						
162. slightly flatted		G						
161. you should have an oval shape				F		I	2	
160. At the base of the page	14.115	G						
159. Ninth and tenth, both going to the left.		G			1.00			
158. Eighth goes to the right.		G						
157. Seventh goes to the right.		G			3 3 3 3			
156. Sixth goes to the left.		G						
155. Fifth goes to the right.		G						
154. the third and the forth go to the left.		G			1			
153. So should the second,	1200		G		0.000			
152. attached to it.	1.5.12	G						
151. should have the diagonal line to the right	1212			F				
150. The first one	201223		G		3			
149. you should have ten vertical lines.	6.04			F			R	
148. From left to right	143.4	G					100 10000	-
147. of this quarter of circle.	1.5			F				R
146. and this full circle is slightly smaller				F			1500	R
145. in the top right hand side	100.00	G						R
144. a full circle		100		F				R
143.in the top left hand side of the portrait page,	G	G						-
142. Now you should have a quarter of the circle				F				R
141. but it's not.		- 34					R	
140. and there is what looks like the word to	1.2.2.2	1.35			S			
139. it's an asymmetric triangle	1970	1991	1.1.1.1.1	F				-
138. and it's not symmetric triangle,				F				
137. there is a small triangle shape				F			K	
136. of the quarter of circle you drew,				F			R	
135. If you go to the top right hand side		G	G				K	-
<ul><li>133. there is something</li><li>134. that I can't see in the photocopy.</li></ul>							R	
132. like a sun in the corner of the page,			G		3			
131. where you dew that quarter of the circle,				r	S		ĸ	
130. On the top left hand corner		0		F			R	-
129. The diagonal line goes down to the left.		G		F				
128. drawn in the middle.		G		F				
127. so should be a third of the page		G						-
126. and a third of the page below it,		G						-

# FIRST YEAR session 10 - Description 02 (Architectural sketch)

	Gei	neral D	escript	ions	Cart of the second second	tures iptions	Reflective Descriptions			
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1. Put your page in landscape way.	G									

2. What we got here looks like an architectural drawing.						S				
3. It's a very sketchy drawing,						S				
4. probably towards by scanner.			G							
5. The lines have been drawing					F					
6. and redrawing again.		ļ	G							
7. The drawing is basically a box shape,						S				
8. almost square,					F					
9. slightly longer than its wide.		G								
10. Basically it's a box						S				
11. with another rectangle just below.					F					
12. At the right of this box		G				S				
13. there is another very small box.						S				
14. Now I'll try to describe it.									R	
15. If you draw in your landscape page	G									
16. one vertical line					F					
17. about half width		G								
18. in front the page		G							1	
19. and I want it about few mm long.		G								1
20. One vertical line,					F				1	1
21. you can make it a bit sketchy						S				
22. towards the top and the bottom.		G	1			1		1	1	1
23. Not too sketchy.			1			1		<u> </u>	R	
24. From the top of that line			1		F	1	·	1	1	†
25. draw a horizontal line					F				1	<u> </u>
26. and this is slightly shorter than the last line.		G	1					R	1	†
27. The same exactly line			1		F	1			<u> </u>	†
28. from the right end of that one.		G	1					İ	1	†
29. Draw another vertical line					F			[	<u> </u>	†
30. that starts to create a box.			<u> </u>		. <u></u>	S			<u> </u>	†
31. Then drawing the box.			[			S				<u> </u>
32. So you have a little tail		İ	<b>†</b>			S	• • • • • • • • • • • • • • • • • • • •			<u> </u>
33. hanging out		G					<del></del>			<u> </u>
34. from the bottom left hand corner.		G	1							
35. That should be about a finger width,		G							· · · · · · · · · · · · · · · · · · ·	<u>†</u>
36. this little tail.		-				S	·			<u> </u>
37. Half way down this little tail,		G				S				<u> </u>
38. draw a horizontal line		<u> </u>			F					<u> </u>
<ul><li>39. half way across the length of the box.</li></ul>		G			-	S			<u> </u>	
40. Just one line ok?		5			F					
		G				S				
41. Now from the end of this tail,		G								
42. draw the same length one.		U	G							<u> </u>
43. Draw the two together								·	<b> </b>	ļ
44. with two lines on the end		G			F			······		
45. with about two little half.		G								
46. At the top right hand corner		0								
47. of the main square you drew,					F			R		
48. there is shape		G								
49. similar to the shape you drew								R		
50. to the bottom left of the square.					F					
51. It's vertical this time		G								
52. and it's in right hand corner.		G								

53. So you draw that similar shape	G							
54. half way down	G							
55. and it is a finger width.	G							
56. In the top right hand corner	G							
57. and it's vertical.	G							
58. On the top of this shape	G							1
59. there is a sort of scribble S,				S				+
60. a very, very flatted S shape.				S				1
61. If you do that very, very flatted S				S			1	R
62. starting from the left hand side	G						1	-
63. and then goes round	G						+	+
64. and again with another tail on the bottom.				S			+	-
65. On the bottom left hand corner	G						+	
66. on your square,			F				1	-
67. there is a similar shape	G			<u>-</u>				+
68. that shape you drew below the box.		1		S		R		+
69. It's the same high	G	+ +		_ <u>_</u>			+	
70. but slightly shorter,	G	++			+		+	
71. so doesn't quite half way across.	G	+					+	
72. So if you drew that,	<u>+</u>	1 1			++	R	+	
73. one is on the tail of your square	<u>├</u> ── <u></u> ├───	╂──┼	F	s			+	+
74. and this is slightly shorter	G	┦──┼			+		+	+
75. but the same width,	G	┼──┼						+
76. inside the box.		┼╌╌╌┼┈		s	-+		+	
	G	╉───┼─			++	······	+	+
77. Above this,	G			s	++		<u> </u>	+
78. another box with the same length	G	┟──┼					<u> </u>	
79. but 50% bigger,	G	┟───┼			+	·····	+	
80. no 50% wide, I'm sorry.	G	<u> </u>			+		R	
81. There is another of the same size,	G				++-		<u> </u>	<u> </u>
82. which should take half way up the page,	<u> </u>	┝			++		<u> </u>	
83. sorry half way up your main square.		┢──┠-	F		++		R	
84. It's also a horizontal line,		<b> </b>	F		++		<u> </u>	ļ
85. which divides your square into two,		-	F					<u> </u>
86. right the way across it.	G	<b>├</b> ──- <b>├</b> ─-			┼──┼	······	<b> </b>	<u> </u>
87. It's the same width	G	ļ			₋		ļ	<b>_</b>
88. as the shape on yours square.		ļ	F		┨─────┤		ļ	<u> </u>
89. If you take that width,	G				<b>↓</b> ↓		ļ	<u> </u>
90. that below that horizontal line			F			•	ļ	
91. you should drew across the square.			F		<u> </u>	R		
92. So it's the width of the shape	G							
93. of the tail of your square,			F	S				
94. down the horizontal line			F					
95. through the square.			F			· · · · ·	<u> </u>	1
96. Half way through the square	G		F				1	1
97. there is a line			F				<u> </u>	<u>†</u>
98. that comes from a quarter way	G			1	1			1
99. through the square.			F		<u>†          </u> †	<u></u>		1
100. On the right hand side	G							†
101. a quarter way through the square,			F	-	++			t
102.sorry three quarters way through the square.					+		R	<u>†</u>
103. So it's all on the right hand side	G				<u></u> † <u></u> +-		<u>├</u>	+

#### G 104. and it goes out G F 105. about half the width of the square. F 106. So just one line goes inside the square F 107. to out side the square. G F 108. So the line is half-length of the square G 109. and goes from three quarters of way F 110. through the square G 111. to about half way out. G F 112. On the end of this line F 113. there is square, G F 114. which is about a cm square. F 115. About a cm square. R F 116. You should have three rectangles R 117. on the bottom left hand corner G 118. of your big square. F F 119. In the top rectangle, G 120. on the left hand side of it, 121. has been drawing like an X. S 122. There is an X. S G S 123. On the right hand side of the X G 124. is a drawing that what had been very quickly. G 125. Just to the right of this 126. there is a Z, S S 127. but the Z has been drawing on its side. S 128. So looks like a back-front N, 129. if you know what I mean. R G 130. If you turn the page portrait, S 131. it looks like a Z. 132. The very top line of this main square F G S 133. is the most sketchy line of all drawing. S 134. Quite sketchy, G 135. it's a pen drawing S 136. but still quite sketchy. F 137. The right hand side of this square, G 138. at the bottom, G 139. half way up from half way down G 140. to the bottom, F 141. at the right hand side of the square, G S 142. it's all quite sketchy. F 143. From this horizontal line F R 144. you drew half way through the square F 145. there is a rectangle slightly, F 146. not as width as the rectangle G F 147. hanging down at the bottom of your square. G 148. It is also not as long, G 149. so you leave half cm from the middle G 150. and about one cm from the right hand side F 151. of yours square G 152. and just hanging down 153. from that horizontal line. F 78 52 34 16

#### Sketching and visual perception in conceptual design Annex V – Segments and verbal cognitive actions

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#### FIRST YEAR session 11 - Description 01 (Architectural sketch)

	and the second			itive Ad		tures		la a series		
	Ge	neral D	escript	ions	a state of the sta	iptions	Re	flective D	escription	15
Segments	Paper Refer	Size Posit	Contraction and and and the last	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1 - A plan of a house.						S				
2 - A plan floor.						S		See 9		
3 - Basically a square					F					
4 - in the middle of the page,		G				-				
5 - about ten cm by ten cm.		G			120					
6 - Horizontally		G			2.4.8	1217				
7 - through the mid point of that line,			2.3.1		F					
8 - so half the square along the middle,		G						1111		
9 - two rectangles in the square.					F					
10 - In the bottom half of it,		G								
11 - divide again vertically,			G							
12 - so you have two small squares.		- 182			F					
13 - So you got a big square					F					R
14 - slightly divided up	15.215		G		15. 15. 2					R
15 - into one big rectangle and two squares.			1.12	31213	F					R
16 - Below the left,		G						Rep: No		
17 - the little square outside of the big square,			1.33		FF			12.181		
18 - you've got a small rectangle room,					F	S	LINC XET			1.518
19 - which is about six cm long,	12112	G	121.43						12.82	
20a bit longer of the width of the small square.		G		6352	F					
21 - That's about one cm deep.		G	1123		1200212				1.5.16.0	122
22 - It's very sketchy,					10 1.6.1	S				
23 - so the underline has several lines on it.		G			F				1. 10. 1	1.12.5
24 - Now you should have a big square	132.50			100	F	222100		EN 247		R
25 - divided up into one rectangle					F		1774	12123		R
26 - and two small squares	20.2	12			F				19-03-3	R
27 - and a kind of small rectangle			111		F		Des DL	63 (97	12407.5	
28 -underneath the left hand of the big square.		G	21545		F		1.50		2.2	
29 - And that left hand of the square,		G			F		1.21		1.45%	1
30 - it's also divided into three horizontally		G			10.52	1000			States .	
31 - with two lines,		199			F					
32 - horizontally in that space.	1998	G							11.24	
<ul><li>33 - So it's divided into three little rectangles.</li></ul>					F					
34 - In the top little rectangle,					F					
35 - that's where I'm describing,		2003					2.1		R	
36 - there are a kind of crosses					12102	S	Sec.			
37 - and little sketches.						S			1920	
38 - You can do whatever you like it.						5			R	
39 - Now in the big rectangle at the top,					F					
40 - that's part of the big square,					F					
41 - in the right hand side of it,		G								

	108									
	4	1	40	12		15				
86 - It is summarizing.							R			
85 - you got that bed thing.				S			R			
84 - On the top rectangle			F							
83 - with a little square on it.			F							
82 - that is coming out of it to the right	G									
80 - there is the thing	G			1000			2			
80 -The right hand space	G									
79 - that is width of the square.			F							
78 - Below that is a kind of rectangle	G		F		11 C 2					
77 - It's divided into three.	G									
76 - is in the top third of it.	G			10000						
75 The left square has got a lot of scribbles on it,			F							
74 and then divided vertically the bottom half.	G						R			
73 - divided into two horizontally	G						R			
72 - what looks like a big square			F				R			
71 - In summary,							R			
70 - and it's about one cm by one cm.	G									
69 - on the sticking out line			F							
68 - that is going attached	G									
67 - is little, little square			F							
66 - Two cm along there	G									
65 - that cuts up the big square.			F							
64 - from the middle line	G									
63 - and that's one cm down	G									
62 - about three cm again	G									
61 - sticking out horizontally	G									
60 - with about one mm long,	G									
59 - A couple of lines			F							
58 - sticking the big square.			F							
57 - There is a line out,			F							
56 - the small square in the big square.			FF							
55The last is coming up from the right square,	G		F							
54 - follow the length of that big rectangle.	G		F							
53 - and goes all the way	G									
52 - about one cm width	G									
51 - That's in the top of the rectangle,	G		F							
50 - Maybe it's not a bed really.				S		R				
49 - like a pillow over here.				S						
48 - on the top of it,	G									
47 - and then a small room			100 100 100	S	1213 603					
46 - It's a maybe vertical line			F							
45 - kind of wall.				S						
43 - about one cm width 44 - and it's kind of stuck on the right,	-	G								
	G									

		Verb	al Cogn	itive Ac	tions					
	Gei	ieral D	escript	ions	Contraction of the second second second second second second second second second second second second second s	tures iptions	Re	flective D	escription	ıs
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1. What we have here is a sketch.						S				
2 - I'll just describe it first						a starting in			R	
3 - before start doing anything else.			-						R	
4 - It looks a bit like two lakes						S			1942 - 194	
5 - with a sort of funny trees						S				
6 - coming out of it		G								
7 - and a sun on the top						S				
8 - and a sort of arc on the left.					F					-
9 - It's like a sketch			West of			S		Station St		
10 - or what could be a illustration on sketchy.						S		6-376-5-		
11 - The basic shape is a rectangle	abion	5-2-6	- Alter		F		and have	6.4.6.2		
12 - that takes up middle of page.		G					ALL ROOM		-	وأراعك
13 -The rectangle width is about ten cm again,		G	10-48					Second Second	Service and	
14 - about around fifteen cm down		G			and family	100004	an provides	Carry Sine		1.000
15 - and ten cm across.		G			1					
16 - In the bottom of the picture		G			New York	and the second			1. S. S. S. S. S.	
17 - you've got a kind of lakes,		No.	1.000		Section to	S	Section 1	Service .	S. Sanda	-
18 - like oblong pounds.			100		F	S	an and and	C. S. S.	1. A. C	
19 - Just one line.			1		F		Sec. A			
20 - Like the circle			14.62		F			and the		
21 - but that should be splashed.		G								
22 - Like a pound.					1912240	S			125.50	
23 - You got one and there is a big one above.	100	G	125.51					R	2.50	
24 - If you draw those,	1201	1.361		12.0					R	
25 - then on the top of the picture,		G	12.23	1000					12.2.1	
26 - top right hand corner,		G		200		0.34-1.30	0223183			
27 - you've got a sun.		125	100			S	1	1212	2.2905	
28 - There is a circle					F					
29 - that could be a sun,						S				R
30 - about two cm width.		G								
31 - The lakes in,			1000		3.8.18	S				
32 - they stick up		G								
33 - all the length of the rectangle					F					
34 - but not touch the sides.		G								
35 - They are about eight cm width.		G								
36 - The bottom pound					No. of the lot	S				
37 - is slightly smaller than the top one.		G								
<ul><li>38 - They are in third bottom half of rectangle.</li></ul>		G			F					
<ul><li>39 - Now you should have just like two lakes</li></ul>						S		R		
40 - like pounds						S				
40 - ince pounds 41 - and a circle at the top right hand.		G			F	5				
41 - and a circle at the top right hand. 42 - On the top left hand corner,		G			r					
42 - On the top left hand corner, 43 - about four cm away from the corner,		G								
<ul><li>43 - about four cm away from the corner,</li><li>44 - you got an arc the circle</li></ul>		0			F					

### FIRST YEAR session 11 - Description 02 (Non-Architectural sketch)

45 - but it is a quarter of the circle		ļ		F					
46 - going across.	G								
47 - How can I describe?						R			
48 - Just cutting off the corner,		G							
49 - like when you were kid					S				
50 and you draw the sun in the corner of the picture.					S				
51 - It doesn't touch the sides of the rectangle,	G								
52 - just a arc of circle.				F					
53 - On the top of all it,	G								
54 - you got a lot of vertical lines				F					
55 - that come out from the two lakes.	G				S				
56 - They are about ten vertical lines.		G		F					
57 - They are not all complete,		G							
58 - straight up and got a slightly angle.	G								
59 There are four going up from the bottom lake		G			S				
60 - no hang on,								R	
61 - six going up from the bottom lake,									
62 - three going up from the top lake		G			S				
63 - and there is one going up	G								
64 - but it doesn't connect with the top lake.	G				S				
65 - It's hard than expected.						R			
66 - They are different lengths		G					1		
67 - but there are three in the middle	G							-	
68 - that are longer.	G	1						<u> </u>	
69 They don't pass the all length of the rectangle	G	1		F				<u>+</u>	
70 -One goes up to the middle point of the circle	G			F				†	<u> </u>
71 - but in the left of the circle.		1		F			1	1	<u> </u>
72 -Another one points towards the semi circle arc you drew.				F			R	1	
73 - Those two start from the bottom lake.		G			S			<u> </u>	
74 - There is one between those two as well,	G						1	<u> </u>	
75 - but not as long as those two,	G	1					† ——	<u> </u>	
76 - about one cm less long.	G							<u> </u>	
77 - You got a forth one		G						+	<u> </u>
78 - from the left to the right	G	<u> </u>					1	+	
79 - and with a tick a half of the rectangle.		+		F	s		<u> </u>	+	<u> </u>
		G						┼───	<u> </u>
80 - Each one of these has like a little one		G					+	+	<u> </u>
81 - pointing to the other way.				F	+ .	<u> </u>	<u> </u>	+	
82 - It's got a line in the top of them,				<b>I</b> .	s	<u> </u>	t	+	<u> </u>
83 - like half of an arrow.					+ <u> </u>		<u> </u>	<u> </u>	<u> </u>
84 - There are half of them pointing one way		G					+		
85 - and half pointing the other.		G			+		+	+	
86 - There are about five of those,		G				<b> </b>	<u> </u>		<u> </u>
87 which have the top of it pointing to the left		G			+		<b> </b>		
88 - and five of them		G	ļ					<u> </u>	
89 - which top arrow pointing to the right.		<u> </u>	<b>↓</b>		S		ļ		
90 - It's really hard to describe		<u> </u>	ļ			R	ļ		<b> </b>
91 - which one is pointing in which way.		G					<b>_</b>		L
92 - Let's try again from the left to right.							R	ļ	<b> </b>
93 - The far left one is a short one	G	ļ	1		<u> </u>	ļ		<u> </u>	ļ
94 - from the top lake					S				
95 - and it's pointing to the right.	G								L

				139			
	69		22	36	12		
123 -I don't know if I can see any other thing.		G					
122 - and points to the left.	G						
121 - The last one goes from the top lake				S			
120 - and points to the left.	G						
119 - The next goes from the bottom lake				S			
118 - and goes from the top lake.				S			
117 - The next points to the right	G						
116 - and that points to the right.	G						
115 - but doesn't touch it	G						
114 - goes to the bottom lake up to circle			F	S			
113 - The next one along to the right	G						
112 - and comes from the bottom lake.				S			
111 - points to the left	G						
110 - The next is a long one,	G						
109 -because it extends the most of the length.	G						
108 - and quite at the top	G						
107 - points to the right	G						
106 - The next one along to the right	G						
105 - draw -a number one.				S			
104 - It's like one,				S			
103 - and points to the left.	G						
102 - and points up to the semi circle	127		F				
101 The next one comes from the bottom lake				S			
100 - and pointing to the left.	G			5			
99 - The next one comes from the bottom lake				S			
98 - and pointing to the right.	G			5			
96 - The next one along to the right 97 - is from the bottom lake	G			S			

### FIRST YEAR session 12 - Description 01 (Non-Architectural sketch)

Segments	General Descriptions				Features Descriptions		<b>Reflective Descriptions</b>			
	Paper Refer	Size Posit	Carl a constant and a	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1 - We got a abstract piece of art,						S				194102.07
2 - if you know what I mean.	2.2.3								R	
3 - In the centre of the page,		G			258.20					
4 - put in landscape form.	G			100			24. A.L.			See 1
5 - In the centre is a rectangle in portrait,					F			1/2/142		
6 - in the centre of the landscape page.	G						1 and			2.41.4
7 - But still off in the left hand corner		G			£3,44	1.16.12				
8 - by drawing a quarter of the circle					F					
9 facing towards the bottom right hand corner.		G			T.S.L.S.		1.4.4.4			
10 - Then about an inch and a half		G			1.5.3	1000		1210		
11 - to the right of that,		G			A					
12 - draw a full circle					F					

13 - about one and a half cm in diameter.	G								
14 - Then below that,	G								ļ
15 - two inches	G								
16 - directly below the circle you just drew,				F			R		
17 - of the quarter circle and the circle,				FF					
18 - draw again about two inches width	G							ļ	
19 - and about a inch high.	G							1	
20 - It's a sort of rectangle		_		F					
21 - but with slightly curved edges.	G							ļ	
22 - It's got a flat side on the top and bottom,	G							<u> </u>	
23 - but the side on the left and right	G								
24 - is pretty much curved.	G								
25 - Did you draw that?								R	
26 - About half cm below what you just drew,	G								
27 - draw an oval			1	F			R		
28 - that is slightly lower	G				ļ				
29 - than that one you just drew							R		
30 - and again about three-quarters inch high.	G								
31 - It looks like a golfing cream					S				
32 - with half head on.					S			1	
33 - Straight lines.				F		1			
34 - You've got six of those coming out		G			1	1			
35 - of the bottom oblong shape you did.				F					
36 - You go to the left hand side of the oblong shape	G			F					
37 - and draw a straight line up			1	F				1	1
38 - into the top of the shape above it.	G				1	1		<u> </u>	<u>+</u>
39 - The half arrow facing towards the bottom right		1			S	1		1	
40 -1 know that the arrows head going both sides			1		S			R	1
41 - but just draw one side of it.		G	11						+
42 - Do the same shape about the same size	G							<u>+</u>	1
43 - on the left hand side	G							1	
44 - of the large shape on the top,	G								
45 - hanging out towards the quarter circle.	G			F	h			+···	<b>_</b>
46 - Next that,	G	-	+ 1					1	
47 if you go to the middle of the bottom shape,	G				1	1		1	1
48 - draw two straight lines.		1		F				<u> </u>	+
49 - One about four inches	G		++	-	<u> </u>				
50 - and one about three and a half inches,	G		┼──┤		<u> </u>		<u> </u>		1
52 - straight up.	G	+	+					+ · ·	+
53 - The long one goes to about the same high	G		+ +		<u> </u>	1		<u>+</u>	
54 - of the full circle you made.		+	╂╂	F		1	R	1	
	G			<b>4</b> .				+	<u> </u>
55 - Basically on the middle			++	F	<u> </u>			+	+
56 - of the bottom oblong.	G		++	<b>T</b> .	<u> </u>	+	· · · ·		
57 - The one on the right		+	++		S				+
58 - has the half arrow facing to the right					<u> </u>			+	+
59 - and one on the left	G		+ +						+
60 - has the half arrow facing to the left.					S			+	
61 - In between the two lines you just drew,		+	+	F	+	<b> </b>	R		
62 - in between the left hand line	G			F					
63 - and the first line	G		┨───┤		ļ	<b> </b>	ļ	ļ	
64 - that comes up from the bottom oblong,				F	L				<u> </u>

# Sketching and visual perception in conceptual design Annex V – Segments and verbal cognitive actions $% \left( \frac{1}{2} \right) = 0$

					125			
	6	55		30	18	12		
112 - That's apparently all that is drawing			G					
111 - facing the flat angle at the right.	G							
110 - with quite large head			1.200		S			
109 - It's about one and a half inches long	G	1000						
108 - just on the centre of it.	G			Nor feet				
107 - That's in the top oblong,	113 Dec. 194	-		F				
106 - that you should have in the middle.						R		
105 - and the long straight arrow					S			
104 - That's between the arrow you just drew			1-50.00		S	R		
103 - You got one more arrow to draw.	ALL INCOME				S			
101 - with the arrowhead facing towards the full circle.				F	S			
100 - going up	G							
99 - do a two and a half inches arrow				1.1.1	S			
98 - on the top right of it,	G	1000						
97 - Again in the bottom oblong,				F				
96 - with the arrowhead going left.			1000		S			
95 from the top right hand side of the top oblong	G	1		F				
94 You draw about two inches arrow going up					S		1949 (m. 1947)	
93 - Two in the right hand side of the top oblong.	G			F				
92 - of these kinds of half arrows to draw.	141 141 141 141 141 141 141 141 141 141				S		Sector Pro-	
91 - You got three more		G						
90 with the arrowhead facing towards the right.					S			
89 - start drawing one and a half inches line	G	171.76		F				
88 - About a cm above the top oblong,	G	0.00		F				
87 - the semi circle or the quarter of circle.				F				
86 - and then one pointing towards	G							
85 - the left hand side of one of those	G							
84 - Two straight ones together,	1.24	G						
83 - that you drew on the left hand side.						R		
82 - and the straight one	G							
81 - if you draw between that one	G			22				
80 - the long one,	G	Trent.						
79 - hanging towards the quarter circle,				F				
78 - Then, the one you just drew		1000				R		
77 - and the other one about 15 degrees.	G							
76 - probably about 30 degrees	G			1997				
75 - is the most flat angle,	G							
74 - The one on the bottom	G							
73 - and are about two cm long each.	G			1.2.2.1.1				
72 The arrowheads on this both face to the left					S			
71 - going to the same direction.	G							
70 and the other is about one and a half inches	G							
69 - which is about three inches long	G							
68 - towards the quarter of the circle,				F				
66 - going slightly inclined to the left. 67 - One is coming directly		G		1.1.2.1.1.1				
C aging alightly inclined to the laft	G		1					

#### FIRST YEAR session 12 - Description 02 (Architectural sketch)

		verb	al Cogn	itive Ac	Contraction of the second second second second second second second second second second second second second s					
	General Descriptions				AND INCOMENTATION AND INCOMENTATION AND AND AND AND AND AND AND AND AND AN	tures iptions	Reflective Descriptions			
Segments	Paper Refer	Size Posit	The second second second second second second second second second second second second second second second se	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1 - This one looks like a plan view						S				
2 - over a building,	1.50					S				
3 - done kind rough lines.	100		1513		F			24 M		
4 - Again in the centre of the page,	1.2.34	G								
5 - the whole thing is probably seven cm by nine cm.	12-24	G				Kan mark		16-18-2		
6 - Basically a square.	1-1-2-1	51.23	147.13		F			1	1.1.	-
7 - You draw a seven or eight cm square		G			F			E SERV		
8 - in the centre of the page.		G						24-04		-
9 - That's the out line for your drawing.			G					Plany	Sec. 19	14.40
10 - If you go about four cm down,		G							-	
11 -just half way down the square you just drew,					F			R		
12 - then draw a parallel line across the page,		G			F			1.200		
13 - going from the one side to the other.	1.00	G	122.051				24.50	1000		10.50
14 - At the right hand side of your drawing,		G			1-6-1 Ser 1-1					
15 - go from that line you just drew	11.4				F			R		
16 - and go direct about one cm away	1911	G	1200							
17 - from the right hand edge.	92.751	G	1		12 12 21		74-20123	64.000	Sen one	
18 - Go direct up	1.603	G							and the second second	1010
19 - from the line you just drew	194.43	0.15	1888		F		ALC: NO	R		
20 - until it almost meets the top.	12.5%	G		1000	Carlinson .	1.0.00		No. Sec. 5	(Constanting)	
21 - It's quite rough.	1000	a mil	G				11-11-1	1011		
22 - Between the side of this square	6				F			194 hardes	Mart (See	
23 - and the line you just drew,					F		88.40	R	4494	
24 - do a S shape		12/23			2.15	S	L. S. Star		(1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	
25 - from about one cm high,		G				1.5.509	1-1-1-1-1-1	1224-5	19-19-14-14-14-14-14-14-14-14-14-14-14-14-14-	
26 - touching the two lines each side.					F				8 an 14 1	
27 -Then you should have like a blank bottom half		G			Respect	0.04.12	64,24,4478	and the second		R
28 - on the square now.			1.600		F		1.11	And said a		
29 - Go to the bottom left hand side		G			14-18-14-1				1	
30 - and draw a guideline						S	1.43.4	1000		
31 - about half way across the square,	2.33	1.000			F			1		
32 - straight down		G					1			
33 - from the line you just drew,					F			R	1.1.2.2.5	
34 - across straight down	1000	G					Section 2			
35 - on the bottom of the square.					F					
36 - Use that line as a guide.					F	S				
37 - Just do about one cm up,		G			1	5				-
		0			F					
38 - except that two parallel lines		G			r					
39 - about an mm apart.		0			F					
40 - Across the line,		G								-
41 - going half width of the square		0			F			D		-
42 - up to the line you just drew,		G			F			R		-
43 - about one and a half cm		U	G							-

							<u> </u>
45 - between the full line across		 F					
46 - the two parallel lines you just drew,		 F	L		R		
47 - do another set of two parallel lines		F					
48 - but an mm across,	G						
49 - an mm out	G						
50 - to the same distance you did before.					R		
51 - Now you got the square in the middle.	G	 F					
52 - Go to the bottom left hand corner	G						
53 - and draw a line down		 F					
54 - about two cm.	G						
55 - From that line go across		F					
56 - to the same distance	G						
57 - as the guide lines you drew.			S		R		
58 - Should be half way	G						
59 - across the big square.		 F					
60- Then do another parallel line equidistant		F					
61 - between the big square		F					
62 - and the line you just drew,		F			R		
63 - again the same length.	G						
64 - Then parallel line		 F					
65 - between the two close the rectangle.		F					
66 Now between the top set of two parallel lines		 F					
67 - between that and the line you drew		 F		<u> </u>	R		
68 - across the square.		F					
69 - I want you to do a it's the infinite sign			S	I			
70 - or pretty much the sum sign.			S				
71 - Basically it's a figure eight on its side			S	<b> -</b>			
72 - with the left hand side missing.	G	 1	<u> </u>				
73 - So you set two lines crossing each other.		 F	<u> </u>				
74 - It's about one cm by one cm.	G	 1					
75 - If you go to the middle line		 F			+		
76you got on the right hand side of the square,	G	 F	<u> </u>	<u> </u>			
77 - drop about a half cm down,	G	 					
78 - do a line from about three cm in,		 F					
79 - out of the square,		 F					
80 - about further three cm	G	 +	<u> </u>				<u> </u>
81 - and do another line		 F		<u> </u>			
	G	 					
82 - exact the same	G	 	<u> </u>				
83 - underneath that.	G	 +	ł				
84 - In the end of that		 	<u> </u>	<u> </u>			
85 - do a square		 F		<u> </u>			
86 - about one cm by one cm.	G	 +	<u> </u>	┣────┣──		·	
87 - The line you just drew out,		 F	<b> _</b>	├	R		
88 - about one cm in,	G	 <u> </u>	<b> </b>	┤───┤─			l 
89 - from the side of the square,		 F	ļ				
90 - doing the square		 F		ļ			 
91 - you got in the big square.		 F					
92 - The top right hand side,	G	 		<b>  </b>			
93 - you got that smaller rectangle		 F					
94 - with the S shape at the top,			S				
95 - draw a line down from that		F					

96 - to the line you just drew				F			R	
97 - out of the big square.	-			F				
98 - Do like two lines next each other				F				
99 - about an mm high.	G							
100 - In the middle section,	G		5.12	6-72.5				
101 - where you got the half figure of an eight					S			
102 - and square box			53.3	F	S	1.1.1.23		
103 - with lines coming out,				F				
104 - you do some rough scribbles.				F				
105 - Do a couple of lines				F				
106 - about three cm in distance along.	G							
107 - In between these two lines,				F	10.00			
108 - much towards the left hand side,	G							
109 - about half way across,	G		3	12,223				
110 - there is that looks an 'OL',				501759	S	12.2		
111 - an O and an L.	S 3043				S			
112 - Is right there in a small half cm high,	G							
113 - writing in the middle of the square.				F				
114 - The rest of it is just scribbles,		G			1.1.2.1			
115 - probably indescribable.						R		
116 - That's all.			G					
and the second second second second	51 56 14 15					and the second		
			a parata.	and a second	136	- Spinishes		and the second second

#### FIRST YEAR session 13 - Description 01 (Architectural sketch)

	General Descriptions			ons	Features Descriptions		Reflective Descriptions			
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgme	Remem	Reflect	Recap
1 - There is a box.			1.00 million	20 40 - 20 - 20 - 20 		S				
2 - Draw a box about 8cm per 8 cm.	1	G				S				
3 - Draw a line horizontally	1000		14		F	165 2.0	23.24			1.1
4 - through the middle from each side.		G					2.6.3			
5 - Now is divided into two sections.		G			Sec. 4	Con Contract				
6 - In the lower section draw a vertical line,		G	-		F	-	11 12 44		Sec	
7 - bottom section to bottom section.		G	4.42				10 W W	Same Chi		
8 - Three sections and two small ones.	1225	1000	G			1444 (MA)	25	2.5		
9 - The left hand small one		G				and a said	1. 2.1		3. 1. 1.	
10 - is divided into three equals parts			G							
11 - with horizontal lines.					F					
12 - Three horizontal rectangles boxes,					F	S				
13 - add two in the end.		-	G		£	and the second	1.104			
14 - So basically they add to the others two.			G							1
15 - Before they all,			G			Sale 2		46.254	L Card	
16 - towards the box.					1.2.2.4	S				
17 - On the top section now,		G		1.4.3	E. Carlos	123,23	San Grand	1.1.1		
18 - on the big section on the box,						S	-		S. 1. 1995	
19 - on the right hand side,	-	G	1212			1.1.1.2.1.3		612100		

20 - as you go horizontally line				F		L			
21 - go a cm from the right	G								
22 - and draw a line vertically down.				F					
23 - On the top half basically.	G								1
24 - On the top right corner of the rectangle,	G	1	-	F		1			
25 - of the box,		1			S	+			1
26 - draw a 'S',					S				1
27 - flat on the top of it.	G		1			1			1
28 - So it's basically the width	G		1		<u> </u>			· · · ·	1
29 - of the little rectangle you just drew.			1	F			R	1	
30 - It is your vertical rectangle		<u> </u>	<u> </u>	F				1	1
31 - with the S in.					S	+			+
32 - I told you to drew three rectangles				F				<u> </u>	R
33 - in the small section,	G					<u> </u>			
34 - on the left.	G	┼───		<u> </u>	+	<u>}</u>			+
	~		<u> </u>	F		<u> </u>			+
35 - On the top rectangle,	G		+					┨────	+
36 - draw on left hand side,		<u> </u>	+		S	+		<u> </u>	+
37 - a cross.					S	<u> </u>		<b> </b>	+
38 - A cross or something.			<u> </u>	F		+		<u> </u>	+
39 - In the middle of that rectangle			<u> </u>	<b>Г</b>		<u> </u>	<u> </u>	<u>}</u>	
40 - draw a small 'H',		<u> </u>			S			<b> </b>	
41 - in the middle.	G		ļ					ļ	
42 - Basically as you look at it,		G				ļ		<b> </b>	
43 - the way you draw it,		G	ļ		ļ	ļ		ļ	
44 - it's in your side,		G						ļ	
45 - you got a sort of on it's side H.					S			<u> </u>	
46 - On the bottom right hand of the H,	G	L			S				
47 -continuing to the middle point on the line.	G			F				ļ	
48 - In the top right of this little rectangle,				F					
49 - draw a back to back form N.					S				
50 - There are four rectangles.				F					
51 - The box next to it.					S				
52 - Basically the box divided into four parts.	G				S				
53 - On the bottom right part of it,	G							1	
54 - draw a rectangle,		1		F					
55 - on the top.	G	1						1	1
56 - Starts a rectangle,		<u> </u>		F		-		<u> </u>	+
57 - the top left corner of the rectangle	G			F		+		1	+
58 - in the top left corner of the box	G	<u> </u>			S				R
59 - and draw around about one cm down	G	+				<u> </u>		+	+ <b>n</b>
	G	<u>+</u>	<u> </u>	<u> </u>	<del> </del>	1		+	+
60 - and two-thirds the way along.	G	┨───	+		<u> </u>			+	
61 - Started just in front left,			<u> </u>		<b> </b>			+	
62 - in the top left hand corner,	G	ļ	<b> </b>		<b> </b>	<b> </b>		+	
63 - start a bit along.	G	<u> </u>		ļ			<u> </u>		
64 - As you did with the H,		ļ	<u> </u>		S	<b> </b>	R	<u> </u>	
65 - continue the bottom right part of the rectangle	G	<b> </b>	ļ	F	<b> </b>	<u> </u>	ļ	ļ	<u> </u>
66 - so the bottom-line.	G	<b>.</b>	<u> </u>		ļ		<b> </b>	<b> </b>	
67 - Just draw and keep going		G	ļ		<u> </u>	ļ			
68 - and extend out of the main box	G	ļ	ļ		S	ļ		ļ	_
	E _	1	1	1	1		1	1	ł
69 - about three cm.	G		·						4

Sketching and visual perception in conceptual design	
Annex V – Segments and verbal cognitive actions	

	The second		117	and the second second second second second second second second second second second second second second second	
5	56	29	26	6	
G					
					R
G					
G					
13 222		F			
G					
G		F			
G					
	1.200		S		
			S		
			S		
		F	S	R	
		F			
G					
		F			
G					
G			S		
2 5922			S		
G					
		F			
G		F			
G		13 P.O.C. 16			
	G	F			
G					
		F			
	G G G G G G G G G G G G G G G G G G	G       G         G	G       G       F         G       F	G       G       F         G       F       -         G       F       -         G       F       -         G       F       -         G       S       -         G       S       -         G       S       -         G       F       -         G       S       -         G       F       -         G       F       -         G       F       -         G       F       S         G       S       -         G       S       -         G       F       S         G       S       -         G       F       -         G       F       -         G       F       -         G       F       -         G       F       -         G       F       -         G       F       -         G       -       -         G       -       -         G       -       -         G       -       -	G $F$ $G$ $G$ $F$ $G$ $G$ $F$ $G$ $G$ $F$ $G$ $G$ $F$ $G$ $G$ $S$ $G$ $G$ $S$ $G$ $G$ $F$ $G$

#### FIRST YEAR session 13 - Description 02 (Non-Architectural sketch)

		verb	al Cogn	anve A	Pro and the second construction		Contraction of the same			
	Ger	neral D	escript	ons		tures iptions	Reflective Descriptions			
Segments	Paper Refer	Size Posit	Bill (Chronic London)	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1 - Actually draw a box,						S				
2 - a rectangle about six cm per six cm.		G	1.5.23	3 2 3	F					
3 - Don't actually draw it, mark it.	283		3382						R	
4 - Just imagine it.									R	
5 - In that rectangle,					F					
6 - on the top left hand corner,	10000	G				No.				
7 - draw a quarter of the circle.					F	L. Horestown				
8 - Basically a quarter of the circle.					F					
9 - On the top right hand corner		G								
10 - just away from the corner,		G							S	
11 - just away from the edges,		G					· · · · · · · · ·			
12 - draw a circle.					F	and the same		-		2
13 - Small circle					F			-		
14 - about by one and a half cm in diameter.		G				1.42				

15 - In the bottom of this imagined rectangle,				F					
16 - in the bottom,	G								L
17 - draw like a oblong,				F					
18 - not properly a oblong,								R	
19 - just bit rough.		G							
20 - Not quite touching the edge	G								
21 - of this imagined rectangle,				F					]
22 - just away from it.	G								
23 - Just above that,	G								
24 - there is basically a square				F					
25 - with rounded edges.	G								
26 - Also just above the oblong,	G			F					
27 - bit bigger than the oblong.	G			F					
28 - There are basically ten		G							
29 -up side down arrows shapes or something.					S				
30 - In the left hand side	G								
31 - of the rectangle with curve edges,				F					
32 - this one you just drew,							R		
33 - draw a line about three cm,	G			F					
34 - 45 degrees from the top of it.	G								
35 - Draw a line up three cm with another tick	G			F	S				
36 - by 45 degrees from the vertical.	G							1	
37 - Draw a line about a cm down.				F					
38 - Just go down and right of it.	G								
39 -Draw another one exactly the same shape.	G								
40 - Basically they look like a up side down arrows					S	<u> </u>			
41 - So get an arrow,			1		S	1		1	
42 - turn it like mirror image in the horizontal,					S	1			
43 - but the short bit of the arrow					S				1
44 - liked pushed it.		G						1	1
45 - That should like being drawing		G			1		ſ	1	
46 - over the two shapes drawn in the bottom.	G								
47 - The same shape arrow up.		1	1		S			1	
48 - Put the corner in between	G	-			1				1
49 - the quarter circle and the circle.			1	F		<u>†</u>			
50 - In between those too,	G	-			-	1			<u>+</u>
51 - the last two arrows you drew.					S	1	R	+	
52 - Draw two in the gap between them,	G								
53 - but they are twice the length	G	-							
	G						<u> </u>		+
54 - and pointing in the other way.			+		S			+	+
55 - So the arrow is pointing in the other way.	G		+			+	<b> </b>	+	+
56 - Just a bit longer.	G		+		+			+	
57 - One of those just the double the length.			+		+	+		+	
58 - Draw in the middle	G		+		·	<b>-</b>	<b> </b>	<b>+</b>	+
59 - of this imaginary rectangle				F		<u> </u>	<b> </b>	·   · · · · · · ·	+
60 - a line,				F		<b> </b>			<b> </b>
61 - another arrow basically.				l	S	<b> </b>	ļ		
62 - It's going about from the middle	G		ļ	ļ	ļ	ļ	<b> </b>	+	<b>_</b>
63 - of the bottom oblong,		_		F		<b>_</b>	ļ		
64 -ail way up to the bottom to the quarter circle	G		ļ	F	ļ		ļ	ļ	1
65 - Draw the arrow pointing to the left.					S		1	1	<u> </u>

					98		
	48			25	18	7	
89 - That's it.			G				
88 - and pointing left it's arrow.					S		
87 - starting in the mid point	G						
86 - about one and a half cm,	G						
85 - is a vertical line,				F			
84 - The last arrow just in the edge,					S		
83 - pointing to the left.	G						
82 - the same shape that one in the start,						R	
81 - draw another arrow					S		
80 - So just about a third way up from the bottom,	G						
79 - this imaginary rectangle.				F			
78 -You should be in the edge of the rectangle now				F			
77 - It's in the middle.	G			1.1.1.1			
76 - It doesn't go half way up half way down.	G						
75 - Half the length.	G						
74 - Starts in the middle of the rectangle.				F			
73 - It's half the length the one you just drew.	G	100		Hest Levi		R	
72 - with the arrow pointing to the right.					S		
71 - Another one of them		G					
70 - and out the arrow pointing to another way.					S		
69 - about a cm up	G						
68 - just take a bit higher in the top,	G						
67 - draw another arrow the same length,	22 2284	le cost			S		
66 - Just to the right of that,	G						

## FIRST YEAR session 14 - Description 01 (Non-Architectural sketch)

	See Court	verb	al Cogn	inve Ad	nons					
	General Descriptions					tures iptions	Re	Inactive Descriptions         Remem       Reflect       Res         Image: I		15
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgme	Remem	Reflect	Recap
1 - You need to have the paper portrait.	G									
2 - The drawing is portrait shape.	G		2263	1.5						
3 - In the top left hand corner		G	142			212 11 11	1.1.1.1.1.1.1	Sec. 4.6	1.1.1.1.1	
4 - there is a quarter of an arc					F		47.0154.5			
5 - domain from the centre and the corner	2744	G	3 Sector			Jan Sala				
6 - and nearly half way across the top.		G			( Second )		. Sala			
7 - Like a bit of the semi circle.					F					
8 - Starts about two-fifths of the way across the top		G				a desired				
9 - from the top left hand corner		G								
10 - and then draw a quarter of the circle					F				_	R
11 - towards the left hand side.		G	1.4		1.501.5					
12 - Then, after you done that,						1.1.1.1.1			R	
13 - in the other corner,		G								
14 - the other top corner,		G			1.1.1.1					
15 - there is a small circle					F	120000			1.2.2.1 A	
16 - about the size of five p,	1000					S				

17 - about one cm from the top	G	1		<u> </u>		ļ	L		
18 - and just another cm from the right hand side.	G	L		ļ					
19 - Then you go down to the bottom.	G				L		ļ		
20 - Across the bottom you drew,					Í	L	R	L	
21 - about one cm from each side	G				<u> </u>	<u> </u>	Ì		
22 - there's an irregular shape sausage.				ļ	S	ļ		L	
23 - Above that,	G			<b></b>				Ļ	
24 - you draw another one slightly bigger	G			<b> </b>	ļ	L		L	
25 - and slightly more square.	G				ļ				
26 -There is about, the bottom, about one cm width or kind	G				<u> </u>	[			
27 - and the top one nearly two cm.	G								
28 -Then you're going to draw ten such of hooks					S				
29 - and they're basically vertical,				F					
30 - or not quite vertical line,				F				R	
31 - they're slightly diagonal	G								
32 - coming out of the sausages.					S				
33 - There are six on the bottom one.		G							
34 - One in the left-hand side end the richness	G								
35 - almost to the top of the big sausage.					S				
36 - Look like an up side down ticks.			1	1	S		1	1	
37 - You need to do a line up			1	F	<u> </u>		1	1	
38 - and a line coming out to the right diagonally		1	1	F	[		1	1	
39 - just about one cm long.	G			1		<u> </u>	1	<u> </u>	
40 - Next that,		G	<u>+</u>	ţ	+	<u> </u>			
41 - starting a bit higher,	G		1	1	<u> </u>		1	<u> </u>	
42 - you draw another one,	G	+	1	<u> </u>	<u> </u>	1	1	<u> </u>	
43 -which comes out of the top of the big square	G	+	1	F			1	1	
44 - and has a much long tick			-{	1	s	t	1	1	
45 - going to the left,	G	+		<u> </u>	<u> </u>		<u> </u>	1	
46 - up to two cm.	G	-	+	<u>†</u>	<u> </u>			+	
47 - A cm along from that,	G			f		1	1		1
48 - in the small square,		+	+	F	<u> </u>	<u>+</u>	1		<u> </u>
49 - you do a much longer line,	G	+		F	1	1		1	
50 - which is nearly to the semi circle		+	+	F	<u> </u>		1	+	
51 - you done in the top corner.	G	+	+	<u> </u>		+	+	+	
	G	•+	+	╂────	<u> </u>	┼───		+	
52 - It's a little bit diagonally.		+	+	<u> </u>	s	<u> </u>	f		<u> </u>
53 - It's about eleven o'clock.	G		╞───	F	<u> </u>	<u> </u>	<u> </u>	┨	+
54 You draw a line down from that to the left,	G	+	╂────		+	╄	+	┿	
55 - about two cm long		+	╂	<u> </u>	+	<b> </b>	<u> </u>		
56 - to make another tick.				<u> </u>	S	<u> </u>	+	+	
57 Right in the centre of the small sausage	G		┨	<u> </u>	S	<b> </b>	╂	┿	
58 - there's a long vertical line,		+		<u> </u>	<b> </b>	<b> </b>	<b></b>	<b> </b>	<b> </b>
59 - which is about two-thirds of the page	G			<b> </b>	<u> </u>	<u> </u>	+	+	<u> </u>
70 - with a small tick to the left.			┣	<b> </b>	<u>s</u>	<b> </b>	<b>\</b>	+	
71 - Another cm along from that,	G			┨────	ļ		<b> </b>	+	<u> </u>
72 - in the small sausage,			<u> </u>	<b> </b>	S	ļ	<u> </u>		R
73 - there's another almost parallel line,		<u> </u>	<u></u>	F	Ļ		L		<u> </u>
74 -which is, goes past about nearly to the centre	G		<u> </u>	L	ļ	<u> </u>	ļ		ļ
75 - of the small circle on the right,				F					
76 - but it's to the left of that circle				F					
77 - and has a tick to the right					S				

					117			
	(	53		22	24	8		
112 - It's done.	and a property		G	2.1.1.1.1.1.1.1.1.1.1.1				
111 - to the right.	G							_
110 - and has a tick one cm line				12750	S			
109 - going up about four cm long	G			1.07 83				
108 - from the centre of the sausage	2.1.1.2.1		-		S			
107 - where you drew a vertical line				F		R		
106 - then there should be a gap	G							
105 -if you came from the right hand side the lines	G							
104 - The last one you have to draw is,		G						
103 - with one cm long.	G							
102 and has a tick going to the right hand side			1.4.3		S			
101 - maybe four cm long	G		1				R	
100 - about three cm long	G							
99 -Starts about one cm above the big sausage	G		-		S			
98 - It comes around between them.	G							
97 - and the line going to the semi circle				FF				
96-One comes, remember the big line you drew in the middle				F		R		
95 - Then you got two more.		G						
94 - and has a little tick to the left.					S			
93 - It's four cm long	G							
92 - right on the top.	G							_
91 - or right hand corner of the big sausage,	G		-		S			_
90 - There is another one in the left hand,	G							
89 - on the right hand side.	G	2019						_
88 - and has one cm tick going down					S			
87 - It's about three and a half cm long	G							
86 - to the big sausage.					S			
85 - One starts right in the left hand side	G							
84 - Now you got four more ticks to draw.		G			S			
83 - about one cm long.	G							
82 - and has a tick to the left					S			
81 - and goes about five cm long	G							
80 - starts right in the corner	G							
79 - The last line in the small sausage,				F	S			

#### FIRST YEAR session 14 - Description 02 (Architectural sketch)

Segments	General Descriptions				Features Descriptions		Reflective Descriptions				
	Paper Refer	Size Posit		Concl usive	Formal	Symbol	Judgme	Remem	Reflect	Recap	
1 - This looks like a plan of a house.			PROPERTY OF			S					
2 - The lines are scratching massing			G		F	14-26166		4. 24			
3 - as you got few times.			335			- 163		Sec. and	R		
4 - First of all draw a big square					F						
5 - in the centre of the page		G	1000	19-19-	1245	1.	· · · · · · · · ·	444.47	Section 3	1	

6 - taking at almost of the page	G								
7 - just leave a gap in the right hand side.	G								
8 - When you have done that,								R	
9 - the left hand vertical line of the square,				FF					
10 - so the left side of the square				F					
11 - continue the line down				F					
12 - about two cm from that.	G								
13 - And then, from the bottom of this,	G								
14 - mark out the middle point	G	_							
15 - of that little two cm line you just drew.				F			R		
16 - So mark out one cm from that.	G								
17 - Draw horizontal lines from the one cm				F					
18 - and end of that line you drew.				F			R		
19 - Go to the middle of the box,	G				S				
20 - so parallel to the bottom of the box,	G				S				
21 - going half way across the page.	G								
22 Draw another of those two little vertical lines				F					
23 - Starting at the bottom of the box,	G				S				
24 - just a little bit to the left	G								
25 - of those lines you just drew.				F			R		
26 - No, no wait.								R	
27 – Draw a line completely cutting the box				F	S			1	
28 - in half horizontally.	G				1		[		
29 - From that line to the bottom	G			F				1	
30 - draw another line,				F					
31 - which cuts it not quite in half	G		1			ļ		1	
32 - but just bit to the left	G								
33 - of the thing you just done.					<u> </u>		R	<u>†</u>	
34 - It should now be in quadrants.	G					1			1
35 -Should be in three squares of the box now.			1	F	S				1
36 - The bottom left hand square,	G	1		F		<b>-</b>		1	1
37 -you want to do two lines horizontally,		1	1	F		1		1	1
38 - so you cut that into three equal parts.		G			<u> </u>				<u>†                                    </u>
39 - When you've done that,		+			<u> </u>			R	1
40 - as the two lines you just drew,				F			R	+	-
41 - the top one,	G	-		-		1		+	
42 - you want to extend	G		+ · · · ·						
43 - across the right hand side of the box,	G				S			+	-
44 - just about one cm.	G	-							
				F				<u> </u>	
45 - Do a little line up from that,	G		1		+				+
46 - not quite to the end of it,	G				+		<u> </u>		
47 - just a quarter way up to the middle line.					<b>_</b>				
48 - Divide that line in half again	G			F			<b> </b>	<b> </b>	+
49 -by doing a little sort of quick line across that				F	+		<b> </b>		
50 - In the bottom left hand box,	G				S		<u> </u>	<b></b>	
51 - divide into three.	G			<b> </b>	<u> </u>				
52 - In the top section of that,	G			<b> </b>	<b>_</b>		<b> </b>	·	
53 - in the left hand side,	G				<b>_</b>	ļ	<u> </u>	<u> </u>	
54 - you want to do a cross,					S	ļ	ļ		
55 - but when you're doing a cross,				ļ	S	ļ	L		
56 -start at the top left hand line of the diagonals	G			F		<u> </u>	l		

						· · · · · · · · · · · · · · · · · · ·	·		
57 - and then doing the cross		ļ	L	ļ	s			ļ	ļ
58 - taking a tenth of the paper.	G	Ļ	ļ		ļ	ļ			
59 - After you done that		ļ		L				R	
60 - go to the right hand lower quadrant.	G	ļ				Ļ			ļ
61 - From the little line				F	ļ	ļ			ļ
62 - you just did in the end of it					L		R		
63 - and you cross in half,	G		ļ			ļ			
64 - draw a horizontal line across,		ļ	ļ	F		ļ	ļ		<b>_</b>
65 - which extend three cm out of the box.	G	ļ	L		S				
66 - On the end of that line,		l		F	L	L		I	ļ
67 - draw one cm cube				F					
68 - but just crossing over that line.			L	F				<u> </u>	
69 - Draw another line				F					
70 - on the top of the horizontal,	G			<u> </u>					
71 - three cm line just few mm above that.	G		L						
72 - The top right hand of the box,	G				S				
73 - about one cm in from the wall,	G				S				
74 - draw a vertical line				F					
75 - going down to the centre line.	G								
76 - You should have such that thing.									R
77 - Start in the top	G								
78 - of that new little box you just made.					S				
79 - You want to wiggle across to the other side.	G			<u> </u>					
80 - Then go back across	G			<u> </u>				1	
81 - like a snake actually.				l	S	1			1
82 - More just go back three times.		G					1		
83 - Go back to the cross you did		1		<u> </u>	S		R	1	
84 - in the lower left hand quadrant.	G			<u> </u>			1		1
85 - Where the centre of the cross is,			<u> </u>	<u> </u>	S	<u> </u>			
86 - a little bit to the right of that,	G	1		1		1			
87 - draw a line horizontally one cm long.				F					
88 - From that line,		1	1	F	1	1		1	
89 - a little bit to the end of it,	G	1	<u> </u>	<u>†</u>			<u> </u>	+	
90 - do a vertical three mm long line.		1		F	+	<u> </u>	<u> </u>	+	
91 - Draw a line from that,				F	<u>†</u>		<u>+</u>		+
92 - going through horizontally across	G	+			<u>}</u>	+			+
93 - to divide two boxes in half.		+			s		<u> </u>	+	+
	G	+	+	+	<u> </u>	+			+
94 - Along the centre line				F	<u> </u>	<u> </u>			+
95 - you need to make a scribble.	G	+	┨───	<u> </u>	+		<b></b>		+
96 - Starting half way across				╂────			╄────		+
97 - the lower left hand quadrant,	G					<u> </u>	<u> </u>		+
98 - along the centre line,	G			<u> </u>		<u> </u>	<u> </u>	- <u> </u>	+
99 - you need to do a little tine A,			<b> </b>	<u> </u>	S	<u> </u>	<b>_</b>		<u>+ _</u>
100 - such a summarise show.			<u> </u>	<b>_</b>	<b> </b>	<u>}</u>	+		R
101 - Then go from that horizontally down	G	ł		ļ	<u> </u>	<b></b>	<b></b>		
102 - about two or three cm.	G			<b> -</b>	+		+	+	<u> </u>
103 - It's quite complicated		+	<u> </u>	ļ	<u> </u>	R		+	
104 - From that vertical line		1	ļ	F	ļ	ļ	Ļ		
105 - and horizontal centre line,	G	1	ļ	ļ		L	ļ		<u> </u>
106 - draw those two up to make triangle.		<u> </u>	<u> </u>	F	ļ.,		1		
107 - Doing another vertical line down			<u> </u>	F				1	

					154			1. 1. 1. 1. 1.
	72			42	24		16	
129 - I think it's pretty much done.			G					
128 and one is about seven mm to the left of that	G							
127One of them is practically in the middle of the whole box	G				S			R
126 They are about one cm each from the top.	G							
12One of them is practically on the centre of the whole box.	G			1.2.4	S			
124 - you need to draw two dots.				F	1.5.2 (1.1)			
123 - to the left hand side,	G			1.19.50				
122 - In the big top section,	G			1.12				
121 - about five mm high each.	G							
120 - going towards the centre	G							
119 - just little marks on the central line,	G							
118 - Make four marks		G						
117 -Draw three vertical lines from that central line				F				
116Now go one cm into the box from that line					S			
115 -extending three cm out horizontally.	G							
114 - you got a line				F				
113 - In the right hand lower quadrant	G							
112 - and the horizontal goes across.	G							
111 - should going diagonally up to the right	G							
110 using that vertical line as hypotenuse	1			F	S	1.25		
109 - and making a little triangle				F				
108 - about one cm long	G							

#### FIRST YEAR session 15 - Description 01 (Architectural sketch)

	General Descriptions				Features Descriptions		Reflective Descriptions			
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1- It's a plan of a building.						S				
2 - It's a square building.					F	S				
3 - It's divided open to what looks like three rooms						S				
4 - There is a large room in the top,		G				S	317.28		13.280	
5 - taking about half of the square.		G			F	ALC: THE			Propies 1	
6 -Along the right hand side there is a bed bench		G			0.6.3.02	S		2.5.1.1		
7 - and in the top right hand corner of the square		G			F	1002		1.4.1.1.1	S. 1883	
8 - is like a <i>cinco</i>				1	1.1.1.1	S				
9 - on a division on where is the bench.		18/3	120			S				
10 - Bottom right hand is like another room		G			25.21	S				
11 - but it is another shape.		G								
12 - Like a square.		18.24			F					
13 - The bottom left and right rooms	22.01	G				S				
14 - are subdivided equally.			G			1.1.21				
15 The bottom left it's got three horizontal divisions			G			10515				
16 - so like beds,						S				
17 - you know, like sleeping areas.						S		Sec.1	R	
18 - On the right hand side of the large square		G			F	11.22				

19 - that you drew first,     20 - is like a projection				S				
21 - or bee sticking out	G							
22 - in a very small square,			F					
23 - about the size of a penny maybe.				S				
24 - Once you finished the main square,			F					
25 - on the bottom left	G							
26 - there is another what looks like a bed structure				S		1000		
27 - but it's not that drew in the large square.	12 12 20		F		R			
28 - It's away from it.	G							
29 - Only drew in the left hand side	G			1.55%				
30 - by one tine line.	38.3		F					
31 - Back to the bottom left hand group.	G							
32 - On the top of the three divisions	G							
33 - made horizontally	G	1211						
34 - there is a X			1.1.2	S				
35 - on the top left hand corner of that room.	G			S				
36 - A scribble to the right of it.	G		F	10.58				
37 - Going down the room,				S				
38 - in the middle of that small division on the room	G			S				
39 - it's like a horizontal line as well.			F					
40 - Back to the bottom right hand corner	G							
41 - of the large square,	100		F			12.2		
42 - so the bottom right hand corner of the room,	G			S				
43 - there is like another bed bench				S				
44 - along the topside of the room,	G			S				
45 - about the similar size of the bed.	G			S				
46 - Projection comes out of the large square			F	S				
47 - the whole big thing is going to that.		G						
	2	25	13	23	3			
	64							

## FIRST YEAR session 15 - Description 02 (Non-Architectural sketch)

		Verb	al Cogn	itive Ac	tions		ha da ka			
	General Descriptions				Features Descriptions		Reflective Descriptions			
Segments	Paper Refer	- 10 March Address States of the	<ul> <li>Contraction and the strength</li> </ul>	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1 - It's a very abstract drawing.			G							
2 - On the top right hand corner		G		in the second	in the					
3 - there is what looks like a sun.					Constant of	S		1. A. A.		4,144
4 - Just a round circle.					F					
5 - On the top left hand corner		G			L			Conservation of the	(	
6 - there is a quarter of circumference of a circle,					F		1.1.2			
7 - roughly about four times the size		G					14	1200	120122	13.3
8 - of the one you just drew.						44.84		R		1000
9 - Below that		G	8			12		Service -		
10 - there is what look like lines					F	1.4.13		harman		
11 - with another line in the end	C 14.25			Sec. 1	F		1	2.4.4.4.4.4		history

12 - that is coming down	G				<u> </u>				
13 - about forty-five degrees	G								
14 - from the top of that.	G								
15 - There is what looks like maybe flags on the golfing					S				
16 - on the golf course.					S				
17 - About a third way up of the picture	G								
18 - there is like a large,	G								
19 - it's not really circle,				F				R	
20 it's more like oblong with rounded corners.				F					
21 - It looks like maybe a bunker,					S				
22 - the same bunkers on the golf course.					SS				
23 - There are ten of this flags things.		G			S				
24 - There is one on the far left hand side.	G								
25 - Down bit another in left hand side.	G								
26 - These all facing the same way.		G							
27 - Close to the large circle,				F					
28 - the quarter of the large circle,				F					1
29 - there is another one facing the same way.	G								
30 - Third way across the page	G								
31 - from your right hand side,	G								
32 - there is another one facing the same way.	G								
33 Became right up to nearly the round circle.	G	1		F	<u> </u>		1		1
34 Then one next of that about half it's length,	G	1			[			1	
35 - starting half of the page.	G								
36 - So all these flags pointing to the right.					S				
37 - Then you got the ones pointing to the left.		G					1	t	1
38 - There is one that is on extreme right of the page	G						1		
39 - and it's pointing left	G								1
40 - and it's about the similar size	G						1	<u> </u>	
41 - as the one that is half the size,	G				1		1	<u> </u>	
42 - next to the circle.		1		F			1		
43 - There is one just below that	G	1			<u>+</u>			<u> </u>	1
44 - and that sit on a little sort of bunker.					S		1		1
45 - Another oblong with rounded corners	G		<u> </u>		<u>                                      </u>		-		+
46 - but that is below	G	<u> </u>			<u> </u>		-	+	
47 - and smaller that oblong.				F	<u>}</u>		1		
48 - Right on the middle of the page,	G		<u> </u>		<u> </u>		+		<u> </u>
	G						+	<u> </u>	+
49 - going about two-thirds up the page					s		+	+	
50 - there is another of this flags	G		+			<u> </u>	-	+	+
51 - going to the left.			├──		┨────	<u> </u>	+	<u> </u>	
52 - There is one right next that	G	<u> </u>	<u> </u>		<u> </u>	<u> </u>	-	<u> </u>	
53 - pointing towards the large circle,		<b> </b>	<u> </u>	F	<u> </u>		+		
54 - so the quarter of the circle.		<b> </b>	┣──	F	<b> </b>	<u> </u>	<b></b>	<u> </u>	+
55 - Also pointing to the left	G	ļ			<u> </u>	ļ	+	ļ	<u> </u>
56 - with angle about fifteen degrees.	G	<b> </b>	<u> </u>		<b> </b>		-	ļ	+
57 - There is one next that.	G	ļ			┣	<b>_</b>	+		
58 - This one has a large tick on it,			<u> </u>		S		<u> </u>		
59 - a large flag on it.		ļ	ļ		S		_	ļ	R
60 - There is right next to the one you just drew,							R	ļ	
61 - but half it's length again	G		L			ļ		ļ	
62 - and pointing the early edge,	G						1	<u> </u>	

				74		
		13	13	14	4	
68 - and five pointing in the other way.		G				
67 - Five pointing in one way		G				
66 - You should have ten flags in total.		G		S		
65 - but they don't have the bottom part of them.		G				
64 - So these flags, they go up and across				S		
63 - the left hand edge of the page.	G					

## 2 - DIPLOMA YEAR GROUP - Segments and verbal cognitive actions

#### DIPLOMA YEAR session 01 - Description 01 (Non-Architectural sketch)

		Verb	al Cogn	itive Ac	ctions					
	Ge		escript		Fea	tures iptions	Reflective Descriptions			
Segments	Paper Refer.	Size Posit.	Contraction of the second second	Concl usive	Formal	Symbol	Judgm.	Remem	Reflect	Recap
1. It's an abstract image.					F					
2. Basically, at the bottom of A4 page,	G	G				1.300			19-24	1124
3. is a very basic kind of oval.	2510				F					
4. There is little up side down ticks		1. 34				S	10.31	14 34,11		
5. witch come up.		G								
6. In the top right hand corner		G								
7. is a circle like a sun.					F	S				
8. It looks like an abstract pot flowers						S				
9. Oh God!!			6.57				R	12.5		
10. So you got a little oval					F		feet (	1.18		
11. at the bottom		G						1.5	1.00	
12. and then you got six			G	No.			6332	12.78		
13. up side down vertical ticks						S		1911 A.		
14. coming out of it,		G			1		15 3.5		1	2003
15. they go to about the middle of the page.		G		200			Mars. H	Real		
16. These four up side down ticks,		0.00				S	1000			
17. they actually come inside the circle.		G	1011		F				1122	
18. About the midway up	-	G							1.5.1.5	1992
19. of those ticks,	1000	033	8.02			S		Carlos and	A PROPERTY.	1000
20. there is a very crude square					F					
21. just been draw.		01.041	G	10 -2	ecardum.		100.00			
22. Inside that square		G			F		12.2.2			
23. are three up side down ticks again.			G			S				
24. There is one at the far left hand corner		G								
25. that goes up	10.00	G								
26. about three cm.		G	1						and the	
27. There is one in the far right hand corner		G								
28. of that square.		-			F					
29. That one goes up a bit higher .		G								

					84			
	41			18	19	6		
66. That's it.			G					
65. actually a quarter circle, sorry.	1			F				
64. is a semi-circle,				F		R		
53. On left hand top half of page	G					R		
52. is a little sun.					S	R		
61. Top right hand corner of this page,	G				1.2.6	R		
50. witch is outside that.	G							
59. Above it a little tick					S			
58. There should be three upright ticks.		G			S			
57. of this square.				F				
56. should run through the middle	G							
55. These tall ticks					S			
54. Above that very roughly drawing square.	G			F		R		
53. from one end to the other.	G							
52. going across	G							
51. There should be six ticks		G			S			
50. in a pot of vase.					S			
49. should be like little flowers					S			
48. In side	G							
47. should be rough.		G						
46. Should be a rough oval circle				F				
45. look at the very far bottom of the page.	G							
44. a very nice drawing you've done,		G						
43. When you look at your drawing,		G						
42. you've got a semi-circle.				F				
41. In the far top left hand corner	G	1.00						
40. on the little vase of ticks.					S			
39. Sun is shinning down					S			
38. Draw a circle like a sun.				F	S			
37. Go to the top right hand corner of that page.	G							
<ul><li>35. witch is just in the middle of the page,</li><li>36. and not growing on circle or square.</li></ul>	G			FF				
34. there is one tick	G				3			
33. Towards the top of the page	0				S			
32. in the middle circle.	G	+ +		Г				
31. So, there are three up side down ticks		G		F	S			
30. There is one on the left hand side of that.	G				0			

## DIPLOMA YEAR session 01 - Description 02 (Architectural sketch)

Segments	General Descriptions				Features Descriptions		Reflective Descriptions				
	Paper Refer	Size Posi	Genel View	Concl usive	Formal	Symbol	Judg	Remem	Reflect	Recap	
1. Basically a very roughly drawn			G								
2. floor plan of kind		2.4-3	15-21		1.1.1.1.1	S				1	

				<u> </u>						
3. it's like a very rough sketch						s				
4. what you would find on tracing paper,						S				
5. witch is right at the beginning stages of design.						S				
6. Quite simple really.							R			
7. A large square to start.					F		[ 			
8. Just two lines through it,					F					
9. just to give an indication of thickness.							R			
10. Go to the bottom		G								
11. of the left hand square you have drawn.		G			F			R		
12. Draw a little rectangle					F				[	
13. witch runs from the left hand side.		G								
14. A bit of a gap between the two,			G							
15. from the left hand corner		G	1							
16. to the centre point of the square.					F					
17. Extend the wall			r			S				
18. of your square					F	1			<u> </u>	
19. into the edge of the rectangle.		G	<u> </u>		F	1			1	1
20. You should have two shapes:			G			<u> </u>	<u> </u>		<u> </u>	
21. a large square,					F	†				
22. on the bottom left		G	<u> </u>						<b> </b>	
23, there should be a little rectangle.					F	ł			<u> </u>	
			<u>}</u>		•	s				
24. The wall should run			G							
25. between the two of them		G			F				<b> </b>	
26. on the left hand side of the square.		0			<u></u> F	S				
27. What you must do now is mirror the top line					 	3				
28. of your rectangle		G			  F	· · · · · · · · · · · · · · · · · · ·				
29. to the bottom line of the square.		0		├	<u> </u>					
30. From the centre point			 			S		¦	<b>}</b>	
31. of the bottom line of the square,		G			<u> </u>					
32. draw a line up		G				<b></b>				
33. to the middle of the square.		~			F					
34. Then draw a line across		G			F	<u> </u>			ļ	ļ
35. from centre point to centre point						S				ļ
36. on the left hand side		G	ļ			ļ		·		ļ
37. and right hand side of the square.		G	ļ		F	ļ			<b> </b>	
38. So you have got the line going across.		G			F	$\perp$	ļ			[
39. Next draw a little square box,					F	S			L	
40. towards the top right hand corner		G					_			
41. of the square.					F				<u> </u>	
42. Leave a little gap between the rectangles			G		F					
43. Make sure it is separated.			G							
44. Move your pen to the mid-point						S				
45. of the left hand side of the square.		G	ľ		F	1				
46. Move it down		G								
47. a tiny bit		G	<u> </u>			· · · · ·			<u> </u>	<b></b>
48. to give it a little space.			G			†	1	<u> </u>	<u>†</u>	<b> </b>
49. Draw a wall across,			t	┟╌──┦		S	†		† —	<u> </u>
50. about a few centimetres		G	<u> </u>	<u>}</u> }		<u>†                                    </u>	<u>†</u>	<u>}</u>	<u> </u>	<u> </u>
51. do like a double line.		<u> </u>	<u> </u>	┨╴╴┨	F	<u> </u>	<u> </u>	<u> </u>	<u>+</u>	<b>+</b>
52. At the end of the wall,			<u> </u>	<u> </u>		s	+			<u> </u>
53. draw another square.			<u> </u>	╞──┤	F	<u> </u>	<u>+</u>	<b>├</b> ───	<u> </u>	<b> </b>
JJ. ULAW AUVUICE SQUALE.	LL		I	<u>ل</u>	1. 1.		I	L	L	<u> </u>

			101					
	3	8	37	17	E		9	
80. on the bottom of it.	G							
Put a little arrow				S				
78. Make sure it doesn't meet the mid-point line.	G		F					
77. Draw a little line down.			F			1.1.1	1111-13	
76. on the far bottom left hand side.	G							
75. draw a line from the rectangle			FF					
74. on your top right hand corner,	G							
73. Go to the square you should have			F			R		
72. coming out of the right hand corner.	G							
71. like a satellite				S				
70. another little box				S				
69. top right corner,	G							
58. A little box,				S		1.1.1		
57. running from left to right.	G							
56. Meeting another line			F					
55. bottom side of the square.	G		F					
54. from the middle point,	G							
63. going up	G							-
62. You should have a line			F			R		
61. Gap between the two objects.		G						
60. on the bottom left hand corner.	G							
59. with a rectangle			F			R		
58. What you should have is a large square			F			R		
57. There are a few odd squiggles in it.			F					
56. Look quite estrange.					R			
55. the same size as the one you just did earlier.						R		
54. Just a small square,			F					

#### DIPLOMA YEAR session 02 - Description 01 (Architectural sketch)

	1		al Cogn		States and the second second					1-1	
	Ger	ieral D	escripti	ons	States and the state of the second	ures ptions	Reflective Descriptions				
Segments	Paper Refer	Size Posit		Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap	
. A sketch line drawing.		March and a la	G		F	S					
. It could be a floor plan.	23. 6.5.5.	5.28			12100	S	and the second		-	1999	
. Not quite sure,		1.35	1000		222.21-	La Carlos	R	- 4- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-	1		
. quite abstract.		123	Sec. 1			2.4.4	R		6		
. Basically is a square		1.19			F	1.04	Selection of	169-6-14			
. about 6 cm square on the page.		G		1.4.4	F		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Barris and		1.0.1	
. To the right of that,		G		1	in the		3	1.44	1000 m		
. coming out of the square		G	1000		F		1.1.1.1.1	Sec. Sec.			
. is a pair of short lines		1.1		1	F	832. PA		51415			
0. with another square			10.2	E.L.	F	15.24.9	ALC: NO	Sec. 2 ho			
1. at the end of them.	12 3 3 2	G	308	1.1.1	2	43405		al series		Ser.	
2. So it like a straw						S	Same 1	44107			
3. or a pipe				1		S	3	Sandaria	12.7.1.2.1		

					,		·····	
4. coming out the side of that square	G		F					
5. into a very small square.			F		<u> </u>		ļ	
6. It's about 8 mm square.	G		F					
7. On the bottom left of the square,	G		F					
8. there is a rectangle			F				l	
9. just below the large square.	G		F					
0. That rectangle			F					
1. is a half the width	G				<u> </u>		_	
2. of the large square			F					
3. and again about 8 mm high.	G							
4. The large square			F					
5. is divided into two,	G							
6. with a horizontal line.			F					
7. So there is a top and bottom half.	G							
8. In the top half,	G							
9. it's mainly empty,	G					1		
0. apart from the right hand side	G		1				1	1
1. where again there is a rectangle			F		1		1	1
2. about 8 mm wide	G						1	
3. about half size of the large square.			F	1			<u> </u>	
4. This time running vertically.	G				1			
5. The one to the bottom left	G						t	
6. of the large square			F		+	<u> </u>		
7. is running horizontally.	G		·					
8. Ok?			+				R	
9. In the bottom half	G				+		<u> </u>	1
0. of the large square			F			t		
1. that is a sub divided again into two.	G		+	+	1	R	<u> </u>	
			F	1	+		<u>}</u>	
2. So the large square	G			-	┼──	ł		+
3. is made up of a half 4. and then 2/4	G				+		<u> </u>	
			F		<u> </u>		<u>}</u>	
5. so it's made up as a rectangle			F		<u> </u>		<u> </u>	
6. and two smaller squares.	G							
7. In the bottom half	G			+	+			
8. of the bottom left hand side						<b> </b>		
9. is then divided into three.	G			+			<u>↓</u>	
0. Equal horizontal rectangles.			F		<b> </b>	<b> </b>	<u>↓</u>	<u> </u>
1. This should be about the same size	G			<u> </u>	<u> </u>	<u> </u>	ł	
2. as the rectangle below			F			<u> </u>	<b> </b>	ļ
3. the large square.			F	ļ			1	<b> </b>
4. Ok?				ļ	ļ	L	R	ļ
5. In the bottom half of the large square,	G		F	ļ	L	L		
6. on the right hand side	G			L				
7. is a very small rectangle.			F					
8. This joins onto the pipe				S				
9. and small square.			F					
0. That's about 6 mm deep	G							
1. and runs horizontally.	G							
2. Not as long as half the square.			F			1	1	
3. That's it, I think.		G		1	1		R	
4. The large square			F	1	1	1	+	1
	I	L			. I	I	L	J

	82										
		35	33	7		7					
70. I'm not sure.					R						
9. witch made me think of a wall.				S							
8. A sketchy outer line			F	S							
7. on the outside.	G										
6. may have a double line			F								
5. looks as though it		G									

#### DIPLOMA YEAR session 02 - Description 02 (Non-Architectural sketch)

	Gei	neral D	escripti	ions		tures iptions	Re	flective Do	escription	as
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem		2.0
1.Abstract, obviously.			G							
2.Look like, a line drawing		1			F			1. A. A.		-
3.a T like Picasso would draw.				-		S	in the state	1		
4.Looks like, in an abstract way,		211-5	G						a line in the	
5. a beach with trees in it.	· · · · · ·					S				
6. In a very abstract way.			G						-r-bas-	22.4
7. Starting at the top left hand corner		G						2-6-6		1-1-1-1-1
8.there is a quarter circle			2.30	21.44	F					
9.takes across the top left hand corner.		G								· · · · · · ·
10. In top right hand corner		G						(a+3)-4	- Anna - Saile	1.0.8
11. of the drawing,	Sec.	- 10	G		- Inford -	and the second			and and	letter b
12. witch is rough square.			1318		F					
13. There is a circle					F					
14. about 9mm in diameter.		G	1999						1000	
15. Going to the bottom of the page,		G			20.01	1000				
16. there are two turd shaped objects.		1000	Sec. Carlo	1.1.1.1		S		127 1. 1		
17. The lower one		G	122		10.55	지하다		107223	144.03	
18. is smaller than the upper one.	1000	G	19866	1001	1. S. 199		- 16 S. L	1999 - T		
19. Both of them are bellow			G		3.342.25	125.112		3.6.23		
20. the centre line of the drawing.			G		F	85.088		11.22		
21. They are irregular squashed ellipses					F	1-1-1-2		Stores		1
22. come rectangles.		5.33			F	1999		1200		
23. They both short of the width		G	1400							1
24. of the whole drawing.			G		12. 12. 1					1
25. This is again about 6 cm across		G								
26. by about 8 cm high.	12.50	G	1000		1.1.1.1.2.2					
27. It did look like an island		-				S				1
28. and growing out of bottom turd						S				
29. are some vertical lines.					F					1
30. They look like arrows			1.01			S				
31. with a arrowhead only					1.08.5	S				
32. on one side.		G								-
<ul><li>33. Some of the heads go to the right</li></ul>		G	18.5			S				1
34. and some to the left.		G								-

					72				
	3	86		13	17	6			
62. That's all	G								
61. coming out of the bottom turd.	G				S				
60. Tallest lengths		G							
59. to about 2,5 cm to 5 cm.	G								
58. They vary in length	G								
57. because the arrows are pointing upwards.					S				
56. The vertical part				F					
55. The arrows head are about 8 mm.	G				S				
54. Lot of arrows going up.					S	123 61 23	R		
53. lower one smaller than the upper one.		G					R		
52. two turds bottom half the page,	G				S		R		
51. circle top right,	G			F			R		
50. You should have a quadroon top left,	14 8 33						R		
49. Bit of shading.					S				
48. just a tiny scribble line or two.				F					
47. Some sort of detail,				1122	S				
46. There is a bit a scribble on that.				F					
45. top left hand corner.	G								
44. there was a quarter circle				F					
43. At the beginning I said						R			
42. fills up most of the page.		G							
41. The floating in the sky.					S				
40. at again different highs.	G								
39. there are three		G							
38. Coming out of the upper turd,					S				
37. they're six of different highs.	1000	G							
35. They're coming out     36. of the bottom,	G								

#### DIPLOMA YEAR session 03 - Description 01 (Non-Architectural sketch)

		Verb	al Cogn	itive Ac	tions					mel alle	
	Gei	neral D	escript	ions	And the second second second	tures iptions	Reflective Descriptions				
Segments	Paper Refer	Size Posii		Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap	
. It's a line drawing			G		F						
2. on a blank background.			G								
3. If you could imagine a representation of a sun						S					
4. in the top right hand corner.		G		1200		Sin/hear	12.4.73		200		
5. Just a circle,					F						
6. plane sphere or a plane circle.	2 12 23				FF	1.623.5					
7. on the top left hand corner		G								02	
8. of the composition			G								
9. would be a kind of a quarter circle					F						
10. as if it had been cut of the rest		G		1.000				101212			
11. by the boundaries of the picture.			G						1 Carlos Barrow	201	
12. Lower down the picture		G			-	3.50			1000		

	48									
	30				2	6	6 0			
45. and the oblong shape.				F	;					
44. Some just between the ellipse				F	;					
3. of the composition.			G					1.1.1		
2. Running the whole length		G								
11. some are very long.		G								
10. some are shorter		G								
39. They have different length,		G							2. 8-	
38. with are spread to fill all of the space.			G							
37. In total there are ten of these shapes			G							
36. some to the left.		G								
35. running to the right.,		G		120 100						
34. with the number 1						S				
33. Some have the tick across						S				
32. These run in both directions.		G	100							
31. kind of sun representation would be.						S				
30. just below the circular		G								
29. These extend right up		G								
28. and the more oblong shape.				F						
27. These run through the lower ellipse		G		F	;					
26. without the bottom cross line.		1.16		F	;					
25. shapes like number 1's		15000				S				
24. are large, long, linear number 1's,	ale i			2.3 2.3		S				
23. Crossing between these two shapes		G								
22. with rounded corners.		G								
21. is a kind of oblong shape				F	;					
20. to the half mark of the picture			G							
19. going up		G								
18. Above that,		G			-					
17. of the portrait picture.	G									
16. across the whole width		G	0							
<ul><li>14. Above it would be a m</li><li>15. with kind of extends</li></ul>			G							
3. there is an kind of ellipse shape.	1		G	100						

#### DIPLOMA YEAR session 03 - Description 02 (Architectural sketch)

	Gen	eral De	scriptio	ns		tures iptions	Reflective Descriptions				
Segments	Paper Refer	Size Posit	10.48.65	Conc	Formal	Symbol	Judgm	Remem	Reflect	Recap	
1. Again this is another line drawing.	-		G		F		and the second				
2. Resembles a kind of sketch for a plan.					i ji ji ji ji	S	and a start of the	(		26.44	
3. Kind of 'Bruno'						S	all good	1-4303		6.50	
4. Rectangular shapes.		Section of	1.16		F	-	and the second	1411124		1.050	
5. If we were to take a portrait perspective on this.	G	-						62.72 h	6. In 1972		
6. Running the portrait of the page	G						1.1				
7. you would have a kind of wall formation.	-		1		North State	S	and the second	1.44			

8. Just a bin extruded oblong.       F         9. This would form the boundaries       G         10. of a wall       S         11. maning from the left hand side the top       G         12. would then be bounded       G         13. by this wall structure.       S         13. by this wall structure.       S         14. The rest of that would then be divided       G         15. into a large creatingle shape.       F         16. witch takes approximately off half       G         17. of the composition.       G         18. That would just be the boundaries       G         19. by single line.       F         21. mad which another single shape       F         22. you would due the remaining space       G         23. in half with another single shape       F         24. You would bare two square shapes       F         25. with double lines       F         26. The square shape on the left       G         27. would be divided equally into 3       G         28. with double lines       F         29. what could be walls.       S         20. what would be walls.       S         30. On the right hand square       G         31. you have from the top of it       G	······································									_
S         S           11         aning from the left hand side the top         G           12         would then be bounded         G           13         top his wall structure.         S           14         The rest of that would then be divided         G           15. moto align creatingle shape.         F           16. witch takes approximately off half         G           17. of the composition.         G           18. That would just be the boundaries         G           19. by single line.         F           20. If wave to take that rectangle shape         F           21. and below it         G           22. you would dust the remaining space         G           23. in half with another single line.         F           24. You would have two square shapes         F           27. would be created by that.         G           28. with outly be created by that.         G           29. what could be valls.         F           29. what could be valls.         S           29. what could be valls.         S           29. what could be valls.         F           29. what could be valls.         S           29. what could be valls.         F           29. what cou	8. Just a thin extruded oblong.	└── <u></u> └──			F					
10. avaing from the left hand side the top       G       G         12. would them be bounded       G       S         13. by this wall structure.       G       S         14. The rest of that would then be divided       G       F         15. Into a large rectangle shape,       F       F         16. witch takes approximately off half       G       F         16. witch takes approximately off half       G       F         20. If we use to take that rectangle shape       F       F         21. and below it       G       G       F         22. you would cut the remaining space       G       F       R         23. in half with another single line.       F       R       R         24. you would bave two square shapes       F       R       R         25. with would be created by that.       G       G       F       R         28. with double lines       F       S       S       S       S         29. what could be walls.       F       S       S       S       S       S         30. On the right hand square       G       F       S       S       S       S       S       S       S       S       S       S       S       S<	9. This would form the boundaries	G								
12. would then be bounded       G       G         13. by this wall structure.       G       S         14. The rest of that would then be divided       G       F         15. into a large rectangle shape,       F       F         16. witch takes approximately of half       G       F         17. of the composition.       G       G         18. That would just be the boundaries       G       F         17. of the composition.       G       G         18. That would just be the boundaries       G       F         10. by single line.       F       C         21. and below it       G       G       C         22. you would have two square shapes       F       R       R         23. in half with another single line.       F       R       R         25. with would be created by that.       G       F       R         25. with double lines       F       C       C       F         29. what could be walls.       G       F       C       C         30. On the right hand square       G       F       C       C         33. what with duable lines       G       F       C       C       C         34. running horizontalline<	10. of a wall					S				
13. by this wall structure.       S         14. The rest of that would then be divided       G         15. into a large restangle shape,       F         17. of the composition.       G         18. That would just be the boundaries       G         17. of the composition.       G         18. That would just be the boundaries       G         17. of the composition.       G         18. That would just be the boundaries       G         20. If we ware to take that rectangle shape       F         21. and below it       G         22. you would cut the remaining space       G         23. in half with another single line.       F         24. You would be created by that.       G         25. with would be created by that.       G         26. The square shape on the left       G         27. would be divided equally into 3       G         30. On the right hand square       G         31. you have from the top of it       G         32. aking up ¼ of it       G         33. taking up ¼ of it       G         34. maning horizontally across.       G         35. The from the wall,       F         36. cut the boundary       G         37. of that square.       F	11. running from the left hand side the top	G								
14. The rest of that would then be divided       G       F         15. Into a large rectangle shape,       F       F         16. witch takes approximately off half       G       F         17. of the composition.       G       F         18. That would just be the boundaries       G       F         19. by single line.       F       C         21. and below it       G       F         22. you would cut the remaining space       G       C         23. in half with another single line.       F       R         24. You would have two square shapes       F       R         25. with would be created by that.       G       F         26. The square shape on the left       G       F         27. would be divided equally into 3       G       F         28. with double lines       F       S         29. what could be walls.       S       S         30. On the right hand square       G       F         31. kuch up iv of it       G       F       S         32. a dividing line       F       S       S         33. the up iv of it       G       F       S         33. the up iv of it       G       F       S <t< td=""><td>12. would then be bounded</td><td>G</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	12. would then be bounded	G								
15. into a large restangle shape.       F       F         16. wich takes approximately off half       G       F         17. of the composition.       G       F         18. That would just be the boundaries       G       F         20. if we were to take that restangle shape.       F       F         21. and below it       G       F       F         22. you would cut the remaining space       G       G       F         23. in half with another single line.       F       F       R         24. You would be created by that.       G       F       R         25. with would be created by that.       G       F       R         26. The square shape on the left       G       F       F         29. what could be walls.       F       S       15         30. On the right hand square       G       F       13         31. kuing up k of it       G       F       12         33. taking up k of it       G       F       13         33. ching up k of it       G       F       13         32. adity up k of it       G       F       14         33. taking up k of it       G       F       14         34. running horizontal line<	13. by this wall structure.					S				
10. witch also supportantly off half       G       I.         17. of the composition.       G       G         18. That would just be the boundaries       G       I.         10. by single line.       F       I.         20. If we were to take that rectangle shape       F       I.         21. and below it       G       F       I.         22. you would cut the remaining space       G       F       I.         23. in half with another single line.       F       F       R         23. with would be created by that.       G       G       I.         25. with would be created by that.       G       F       R         25. with would be created by that.       G       F       I.         26. The square shape on the left       G       F       I.         27. would be divided equally into 3       G       G       I.         28. with double lines       F       I.       I.       I.         29. what could be walls.       F       I.       I.       I.       I.         29. what could be walls.       F       I.	14. The rest of that would then be divided		G							
10. Trive tasks of products       G         11. To ofthe composition.       G         12. That would just be the boundaries       G         13. That would just be the boundaries       G         14. This would just be the boundaries       G         15. That would just be the boundaries       G         10. ty ways to take that rectangle shape       F         21. and below it       G         22. you would cut the remaining space       G         23. in half writh another single line.       F         24. You would have two square shapes       F         25. with would be created by that.       G         26. The square shape on the left       G         27. would be divided equally into 3       G         28. with double lines       F         29. what could be walls.       S         30. On the right hand square       G         31. taking up ¼ of it       G         32. a dividing line       F         33. taking up ¼ of it       G         34. running horizontally across.       G         35. Then from the where that horizontal line       F         37. of that square.       F         38. Then becomes a double line       F         39. quivalent to the wall. <t< td=""><td>15. into a large rectangle shape,</td><td></td><td></td><td></td><td>F</td><td></td><td></td><td></td><td></td><td></td></t<>	15. into a large rectangle shape,				F					
11. The two body just be the boundaries       G       F         19. by single line.       F       F         20. If we were to take that rectangle shape       F       F         21. and below it       G       F       F         21. and below it       G       F       F         22. you would cut the remaining space       G       F       F         23. in half with another single line.       F       R       R         24. You would have two square shapes       F       R       R         25. with would be created by that.       G       F       R         26. The square shape on the left       G       F       P         29. what could be walls.       G       F       P         30. on the right hand square       G       F       P         31. you have from the top of it       G       F       P         32. a dividing line       F       P       P         33. trans from the torgon of it       G       F       P         33. trans from the torgon fit across.       G       F       P         34. running horizontall ine       F       R       R         36. cut the boundary       G       F       P       R	16. witch takes approximately off half	G								
19. by single line.       F         20. If we wrete to take that rectangle shape       F         21. and below it       G         22. you would cut the remaining space       G         23. in half with another single line.       F         24. You would have two square shapes       F         25. with would be created by that.       G         26. The square shape on the left       G         27. would be divided equally into 3       G         28. with double lines       F         29. what could be walls.       F         29. what could be walls.       F         21. a dividing line       G         30. On the right hand square       G         31. you have from the top of it       G         32. a dividing line       F         33. taking up 14 of it       G         31. aking up 14 of it       G         32. adjuiding line       F         33. taking up 14 of it       G         33. taking up 14 of it       G         34. running horizontall ine       F         35. Then from the where that horizontal line       F         34. cut aguare.       F         36. cut the boundary       G         37. of that square       F <td>17. of the composition.</td> <td></td> <td>G</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	17. of the composition.		G							
21. Jung to the problem of the second sec	18. That would just be the boundaries		G	<u> </u>						
21. and below it       G       G	19. by single line.				F					
Interview         G         Interview         G           23. in half with another single line.         F         R           23. in half with another single line.         F         R           24. You would have two square shapes         F         R           24. You would have two square shapes         F         R           25. with would be created by that.         G         F         R           25. The square shape on the left         G         F         R           26. The square shape on the left         G         F         R           27. would be divided equally into 3         G         F         R           28. with double lines         F         S         S           30. On the right hand square         G         F         S           31. you have from the top of it         G         S         S           32. a dividing line         F         S         S         S           33. taking up ¼ of it         G         G         S         S         S           34. running horizontally across.         G         F         R         S         S           36. cut the boundary         G         F         S         S         S	20. If we were to take that rectangle shape				F					
21. Job Note relations years       F       R         23. in half with another single line.       F       R         24. You would have two square shapes       F       R         25. with would be created by that.       G       F       R         26. The square shape on the left       G       F       R         27. would be divided equally into 3       G       F       R         28. with double lines       F       R       R         29. what could be walls.       G       F       R         30. On the right had square       G       F       R         31. you have from the top of it       G       G       R         32. a dividing line       F       R       R         33. taking up ¼ of it       G       F       R         34. running horizontally across.       G       F       R         36. cut the boundary       G       F       R         36. cut the boundary       G       F       R         37. Then from the where that horizontal line       F       R         36. cut the boundary       G       G       R         31. taking up ¼ of it       G       F       R         40. analogy that we used earliter	21. and below it	G								
22. mint that have two square shapes       F       R         24. You would have two square shapes       G       F       R         25. with would be created by that.       G       F       R         26. The square shape on the left       G       F       R         27. would be divided equally into 3       G       F       R         28. with double lines       F       R       R         29. what could be walls.       F       S       R         30. On the right hand square       G       F       R         31. you have from the top of it       G       F       R         32. a dividing line       F       R       R         33. taking up ¼ of it       G       F       R         36. cut the boundary       G       F       R         36. cut the boundary       G       F       R         37. of that square.       F       R       R         40. analogy that we used earlier.       F       R       R         41. This extends out the width       G       F       R         42. of that square       F       F       R         43. where it terminates in a square       G       F       F	22. you would cut the remaining space		G							
24. You would have two square shapes       F       R         25. with would be created by that.       G       F         26. The square shape on the left       G       F         27. would be divided equally into 3       G       F         28. with double lines       F       C         29. what could be walls.       F       C         29. what could be walls.       F       C         20. on the right hand square       G       F         21. gividing line       F       C         31. you have from the top of it       G       C         32. a dividing line       F       C         33. taking up ¼ of it       G       C         34. running horizontally across.       G       C         35. Then from the where that horizontal line       F       R         36. cut the boundary       G       G       C         37. of that square.       F       R       C         38. Then becomes a double line       F       R       C         39. equivalent to the wall,       G       C       C         40. analogy that we used earlier.       F       C       C         41. This extends out the width       G       G       C	23. in half with another single line.				F					
25. with would be created by that.       G       F       Image: Constraint of the sequence shows on the sequence shows					F					R
26. The square shape on the left       G       F			G					<u> </u>		
27. would be divided equally into 3       G       F       Image: Solution of the second sec		G			F	1				
28. with double lines       F       S         29. what could be walls.       G       F         30. On the right hand square       G       F         31. you have from the top of it       G       F         32. a dividing line       F       S         33. taking up ¼ of it       G       F         34. running horizontally across.       G       S         35. Then from the where that horizontal line       F       R         36. cut the boundary       G       S         37. of that square.       F       R         30. analogy that we used earlier.       F       R         40. analogy that we used earlier.       F       R         41. This extends out the width       G       F         42. of that square       F       R         43. where it terminates in a square       F       Image: Comparison of the square         44. 2 cm square       G       F       Image: Comparison of the square         45. attached to the end.       G       Image: Comparison of the square       Image: Comparison of the square         45. attached to the end.       G       Image: Comparison of the square       Image: Comparison of the square       Image: Comparison of the square         46. In the left hand squ			G							
29. what could be walls.       S       S         30. On the right hand square       G       F       S         31. you have from the top of it       G       F       S         32. a dividing line       F       S       S         33. taking up ¼ of it       G       F       S         34. running horizontally across.       G       S       S         35. Then from the where that horizontal line       F       R         36. cut the boundary       G       F       S         37. of that square.       F       S       S         39. equivalent to the wall,       S       S       S         40. analogy that we used earlier.       F       R       S         41. This extends out the width       G       F       S         42. of that square       F       S       S         43. where it terminates in a square       F       S       S         44. 2 cm square       G       F       S       S         45. attached to the end.       G       F       S       S         46. In the left hand square       G       F       S       S         47. described early,       G       F       R       S<					F					
27. Indicode to the right hand square       G       F					<b></b>	S				
20. of a bright interspect       G       Image interspect         31. you have from the top of it       G       F       Image interspect         32. a dividing line       F       Image interspect       Image interspect         33. taking up ¼ of it       G       Image interspect       Image interspect         34. running horizontally across.       G       Image interspect       Image interspect         35. Then from the where that horizontal line       F       Image interspect       R         36. cut the boundary       G       Image interspect       Image interspect       R         36. cut the boundary       G       Image interspect       F       Image interspect       R         37. of that square.       Image interspect       F       Image interspect       Image interspect       R         38. Then becomes a double line       Image interspect       F       Image interspect       R       Image interspect       Image interspect       R       Image interspect       Image interspec       Image interspect       <		G			F				<u>├</u> ────	
21. you much use to perform         22. a dividing line         33. taking up ¼ of it         34. running horizontally across.         35. Then from the where that horizontal line         35. Then from the where that horizontal line         36. cut the boundary         37. of that square.         37. of that square.         38. Then becomes a double line         39. equivalent to the wall,         40. analogy that we used earlier.         41. This extends out the width         42. of that square         43. where it terminates in a square         44. 2 cm square         45. attached to the end.         46. In the left hand square         47. described early,         48. below that         49. again about the equivalent of one         51. you just got a long rectangular shape.         52. It is just situated about few me below         63. The ast division.         64. Just stuated about few me below         65. stuat at a oblong         55. extend a little bit early         66         56. about the square.		<b>├</b> ───	_		<u> </u>					
23. taking up ¼ of it       G       Image: Constraint of the second seco										
34. running horizontally across.       G       Image by retrine the work of the boundary         35. Then from the where that horizontal line       F       R         36. cut the boundary       G       Image by retrine the boundary       R         37. of that square.       F       Image by retrine the boundary       R         37. of that square.       F       Image by retrine the boundary       R         38. Then becomes a double line       F       Image by retrine the boundary       R         39. equivalent to the wall,       S       Image by retrine the boundary       R         40. analogy that we used earlier.       F       Image by retrine the boundary       R         41. This extends out the width       G       Image by retrine the boundary       Image by retrine the boundary         42. of that square       F       Image by retrine the boundary       Image by retrine the boundary       Image by retrine the boundary         43. where it terminates in a square       G       F       Image by retrine the boundary       Image by retrine the boundary         44. 2 cm square       G       F       Image by retrine the boundary       Image by retrine the boundary       Image by retrine the boundary         45. attached to the end.       G       F       Image by retrine the boundary       Image by retrine the		G								
35. Then from the where that horizontal line       F       R         36. cut the boundary       G       R         37. of that square.       F       Image: Constraint of the square of the			_		<u> </u>					
36. cut the boundary       G       F         37. of that square.       F       Image: Constraint of the square.         38. Then becomes a double line       F       Image: Constraint of the square.         39. equivalent to the wall,       S       Image: Constraint of the square.         40. analogy that we used earlier.       R       Image: Constraint of the square         41. This extends out the width       G       Image: Constraint of the square         42. of that square       F       Image: Constraint of the square         43. where it terminates in a square       F       Image: Constraint of the square         44. 2 cm square       G       F       Image: Constraint of the square         45. attached to the end.       G       F       Image: Constraint of the square         46. In the left hand square       G       F       Image: Constraint of the square         47. described early,       Image: Constraint of the square       R         48. below that       G       Image: Constraint of the square       R         50. of the divisions in three,       G       Image: Constraint of the square       R         51. you just got a long rectangular shape.       F       Image: Constraint of the square       Image: Constraint of the square       Image: Constraint of the square       Image: Constr					F					P
37. of that square.       F       F         38. Then becomes a double line       F       F         39. equivalent to the wall,       S       F         40. analogy that we used earlier.       R       R         41. This extends out the width       G       R         42. of that square       F       C         43. where it terminates in a square       F       C         44. 2 cm square       G       F       C         44. 2 cm square       G       F       C         45. attached to the end.       G       F       C         46. In the left hand square       G       F       C         47. described early,       G       F       C         48. below that       G       C       R         50. of the divisions in three,       G       F       R         51. you just got a long rectangular shape.       F       R       R         52. It is just situated about few cm below       G       C       C         53. the last division.       G       F       C       R         54. Just a oblong       F       C       C       C       C       C         56. about the square.       F       C <td></td> <td>├<u>──</u></td> <td></td> <td><u> </u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		├ <u>──</u>		<u> </u>						
37. of the beams       F       Image: Second second		<u> </u>			F					
30. requivalent to the wall,       S         40. analogy that we used earlier.       R         41. This extends out the width       G         42. of that square       F         43. where it terminates in a square       F         44. 2 cm square       G         45. attached to the end.       G         46. In the left hand square       G         47. described early.       F         48. below that       G         49. again about the equivalent of one       G         50. of the divisions in three,       G         51. you just got a long rectangular shape.       F         52. It is just situated about few cm below       G         53. the last division.       G         54. Just a oblong       F         55. extend a little bit early       G         56. about the square.       F		├ <u></u>								<u> </u>
40. analogy that we used earlier.       R         41. This extends out the width       G         42. of that square       F         43. where it terminates in a square       F         44. 2 cm square       G         45. attached to the end.       G         46. In the left hand square       G         47. described early,       R         48. below that       G         49. again about the equivalent of one       G         50. of the divisions in three,       G         51. you just got a long rectangular shape.       F         52. It is just situated about few cm below       G         53. the last division.       G         54. Just a oblong       F         55. extend a little bit early       G         56. about the square.       F		├ <u>-</u>			F					
41. This extends out the width       G       Image: F		┝								
11. This extends out the meth       F       1         42. of that square       F       1         43. where it terminates in a square       G       F       1         44. 2 cm square       G       F       1         44. 2 cm square       G       F       1         45. attached to the end.       G       F       1         45. attached to the end.       G       F       1         46. In the left hand square       G       F       1         47. described early,       G       R       1         48. below that       G       1       1         49. again about the equivalent of one       G       R       1         50. of the divisions in three,       G       1       1         51. you just got a long rectangular shape.       F       R       1         52. It is just situated about few cm below       G       1       1         53. the last division.       G       1       1       1         54. Just a oblong       F       1       1       1         55. extend a little bit early       G       1       1       1         56. about the square.       F       1       1       1						· ····		ĸ	<u> </u>	
43. where it terminates in a square       F         43. where it terminates in a square       G         44. 2 cm square       G         45. attached to the end.       G         45. attached to the end.       G         46. In the left hand square       G         47. described early,       G         48. below that       G         49. again about the equivalent of one       G         50. of the divisions in three,       G         51. you just got a long rectangular shape.       F         52. It is just situated about few cm below       G         53. the last division.       G         54. Just a oblong       F         55. extend a little bit early       G         56. about the square.       F		G								
44. 2 cm square       G       F		┝━━━━┥━━━			+					
45. attached to the end.       G       Image: Constraint of the end.       Image: Constraint of the end.         46. In the left hand square       G       F       Image: Constraint of the end.       Image: Constraint of the end.         47. described early,       Image: Constraint of the end.       G       Image: Constraint of the end.       R         48. below that       G       Image: Constraint of the end.       G       Image: Constraint of the end.       R         49. again about the equivalent of one       G       Image: Constraint of the end.       R       Image: Constraint of the end.       R         50. of the divisions in three,       G       Image: Constraint of Constraint of the end.       R       R         51. you just got a long rectangular shape.       F       Image: Constraint of Constraint o					+					
46. In the left hand square       G       F					F	<b>_</b>				<b> </b>
47. described early,       R         48. below that       G         49. again about the equivalent of one       G         50. of the divisions in three,       G         51. you just got a long rectangular shape.       F         52. It is just situated about few cm below       G         53. the last division.       G         54. Just a oblong       F         55. extend a little bit early       G         56. about the square.       F	45. attached to the end.				ļ	ļ		_		
48. below that       G       Image: Constraint of the square.       G       Image: Constraint of the square.         49. again about the equivalent of one       G       G       R         49. again about the equivalent of one       G       R         50. of the divisions in three,       G       Image: Constraint of the division of the division of the division.       F         51. you just got a long rectangular shape.       F       R         52. It is just situated about few cm below       G       Image: Constraint of the division.         53. the last division.       G       Image: Constraint of the division.         54. Just a oblong       F       Image: Constraint of the division of the division.         55. extend a little bit early       G       Image: Constraint of the division	46. In the left hand square	G			F					
49. again about the equivalent of one       G       R         49. again about the equivalent of one       G       R         50. of the divisions in three,       G       Image: Constraint of Constraints of Constrain	47. described early,				Ļ	<u> </u>		R	L	
50. of the divisions in three,       G	48. below that	G	_		ļ					
51. you just got a long rectangular shape.       F       R         52. It is just situated about few cm below       G       Image: Comparison of the state of the square.         53. the last division.       G       Image: Comparison of the square.       F         54. Just a oblong       F       Image: Comparison of the square.       F         55. extend a little bit early       G       Image: Comparison of the square.       F	49. again about the equivalent of one		G							R
51. you just get a tong recompany the period     G       52. It is just situated about few cm below     G       53. the last division.     G       54. Just a oblong     F       55. extend a little bit early     G       56. about the square.     F	50. of the divisions in three,		G							
52. It is just situated about few cm below     G     G       53. the last division.     G     G       54. Just a oblong     F     G       55. extend a little bit early     G     F       56. about the square.     F     G	51. you just got a long rectangular shape.				F					R
53. the last division.     G		G								
54. Just a oblong     F       55. extend a little bit early     G       56. about the square.     F			G							
55. extend a little bit early     G       56. about the square.     F			1		F	T			[	
56. about the square.			G			1			1	
		· · · · · · · · · · · · · · · · · · ·			F	1			<u> </u>	
		· · · · · · · · · · · · · · · · · · ·			+	1		R	1	
58. in the top of the composition.		· · · · · · · · · · · · · · · · · · ·				1			<u> </u>	

					103		
	47				13	8	
90. That's it.			G				
89. I just try in this basis.		1.2.31				R	
38. a plank in plan.					S		
37. Could be like representing a plank,					S		
36. you got a little oblong.				F			
35. where divided into 3,		G					
34. you'd have a little emphases		G					
33. into two squares formations,				F			
32. where the line divides that oblong				F			
81. Below that square you have,	G			F			
80. of that oblong.				F			
79. running through the middle	G						-
78. Then, just have two parallels lines				F			
77. of the oblong.				F			
76. of that section	G			-			-
75. situated in the middle	G					-	
74. a kind of M				11.	S	-	-
73. sort of that there will be a kind of scribbles,				F			-
2. In the left hand	G						
71. about but rotate round 90 degrees.	G						-
70. there will be almost figure					S		
69. below	G						-
58. In the left hand of the two squares,	G			F		 -	
57. a kind of 'post stand'.				-	S	 -	-
66. Just a mark up the top right hand corner,	G					 -	-
65. you just have a kind of sinuous S shape line.					S	_	-
64. Then in the top of that quarter	G			F			
63. the rest could be left open.		G		1. 199			
62. could be defined by a single line,				F			
51. The right hand quarter	G						
50. it divided that oblong into quarters.	G			F			
i9. You got a	G			3.0 - 4		-	

#### DIPLOMA YEAR session 04 - Description 01 (Architectural sketch)

	Gei	neral D	escript	ions	Features Descriptions		Reflective Descriptions				
Segments	Paper Refer	Size Posit	A DESCRIPTION OF A DESCRIPTION OF	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap	
1. I'm looking at something			G								
2. that looks like a plan.					12 3 1	S					
3. It's very rectilinear			G								
4. in the centre of the page.		G	17.5						1.000		
5. Possible, I say, about 12 cm x 12 cm.		G	1212					Sec. 1			
6. If you imagine a square,					F						
7. but don't draw a square.			1		F						

· ·	1	1				· · · · · · · · · · · · · · · · · · ·	1	1	
8. Draw the top line of the square	G			F	ļ				
9. and the left hand side	G	<u> </u>	ļļ		ļ		<b> </b>	ļ	
10. of the square.		<u> </u>	<b> </b>	F	ļ	ļ		ļ	ļ
11. So you got a inverted L.		<u> </u>			S	l	<u> </u>		ļ
12. From the right hand end	G	ļ	ļļ			L	L		
13. of the top line of the square,	G	ļ		F	<u> </u>				
14. it's a corridor		<u> </u>			S		ļ	ļ	
15. about a cm wide,	G	ļ			<u> </u>	ļ	 		 
16. comes down	G				<u> </u>		ļ		
17. about half way	G								} 
18. of the right hand side	G	ļ					ļ 		
19. of the square.		ļ	[[	F		[	L		
20. From the left hand side	G				<u> </u>		ļ		
21. there is axes		ļ			S		 		
22. running horizontally	G						<b> </b>		
23. across the page.	G				ļ		ļ	 	
24. Goes to the centre		G							
25. of the left hand side	G								
26. of the imagined square				F					
27. and it's about 14 cm.	G								
28. That terminates in a small square,				F					
29. which could represent a tower					S				
30. or some thing.								R	
31. If the square is splat into quarters,				F					
32. it's not, but if is split into quarters,	G								
33. the bottom left hand quarter	G			_					
34. is then subdivided into four bases	G								
35. below the axes,					S				
36. which runs across.	G								
37. So you have the inverted L					S				
38. with the corridor running		1		··	S				
39. from left to right	G								
40. and then up	G	1					1		
41. to close in a rectangle.		<u> </u>		F	1				
42. The corridor			[]		S				
43. beginning in the centre	G	1	<u>├</u>		1		[	[	
44. of left hand side,	G	<u> </u>		<u>_</u>	1	1	†		
45. below that you have four bases		G	<u>├───</u> }		s		<u> </u>	<u> </u>	
46. which take about half of the width	G	<u> </u>	╏───┤		1		<u> </u>	<u> </u>	
47. of the square			†	F	1	1	1		<u> </u>
		G	╞───┤		+	<u> </u>	<u> </u>	1	
48. to fill up the quarter.		+	┟───┤		s	<u> </u>	<u> </u>		<u> </u>
49. The central corridor		<u> </u>	┟───┤	F		+	<u> </u>	<u> </u>	<u> </u>
50. terminates in a square,		<u> </u>	╂╌──┤	<u>г</u>	s	<u> </u>	- D	ł	<u> </u>
51. which could represent a tower.	G	<u> </u>	┟╌╌╌┥		+	<u> </u>	R		
52. The bottom right hand corner		<b> </b>	╂────┤		+	<b> </b>	<u> </u>		<u> </u>
53. is made up by double thickness lines		<u> </u>	├}	<u> </u>		<u>}</u>	<u> </u>		<u> </u>
54. which bring you up to the corridor		<u> </u>	<u>├</u>		S		<b> </b>	<b> </b>	<b> </b>
55. and the single thickness line			┟───┤	F	+		<u> </u>	<b> </b>	<u> </u>
56. take you across to the base	G	<u> </u>	┟───┤		+	<b> </b>	ļ	<b> </b>	<b> </b>
57. on the bottom hand corner.	G	<u> </u>					<b> </b>	<b> </b>	ļ
58. Probably the better I can.		L	G		<u> </u>			]	<u> </u>

Section and the section of the secti	33	14	13	2
			62	

#### DIPLOMA YEAR session 04 - Description 02 (Non-Architectural sketch)

		Ver	bal Cog	nitive A	ctions				na Talana	
	Gei	neral D	escript	ions		tures iptions	Reflective Descriptions			
Segments	Paper Refer	Size Posit	And the second second second second	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1. It's a more abstract image.			G		G					
2. Again to the centre of the page.		G					1. 2. 34		-	
3. Think it's a sort of representing trees,						S		1.00	-	
4. possible.								44	R	-
5. But the trees are draw in a way it is		-	141.7.3	1.	and the second	S	Les chertes			
6. if you draw a arrow	10.65	~24		1-Second	Charles -	S	and the second second			
7. without taking your hand off the paper			G			12-12	-14-46-5	1	1 Same	1.11
8. by drawing straight up	e-plan's	G		10,117.00		and the set	to an and		and the second	1200
9. and then down		G	140.00		- Sector			100 C	Section of	
10. a short way a 45 degrees.		- 24	G	1				1	-	
11. If you stop there			G	1.4.6	New Tory					
12. without complete the arrow,		1.1			Contraction of the second	S			(Salaria)	
13. that's the sort of way trees are represented.						S				
14. So bit like a 'barb' fishing coco'		1			a starter	S			1.5.1	
15. or something like that.							10.0		R	
16. Straight line up		G			F	1.0.0.00	1			
17. and then straight line down		G			F					
18. around about 45 degrees.			G							
19. Some of this trees base						S				
		G			F	5				
20. the line is on the right		G			F					
21. some of them the line is on the left.		U	G		F					
22. They vary on sizes.			0			S				
23. The tree is then sits					F	5				
24. on two sort of circular elliptical shapes					F					
25. but not true ellipses					F				R	
26. but almost.				-					R	
27. Try to draw a square,				1000	F		1			-
28. sorry, a rectangle.		1			F		and the second		R	
29. Above these arrows						S	1.20.00	1. m	and the second	
30. there is a circle.				-	F	-	VAL A			
31. The circle is drawn in the corner		G			F		19-14-14-14-14-14-14-14-14-14-14-14-14-14-	and the second		
32. of the page.		-14	G		1		inter-			
33. See a quarter of the circle.					F					
34. So you start with an elliptical shape,				1	F					R
35. but not true ellipse	(ALCON)		1.4.34	-	F				R	14 C- 14
36. but almost					Kon and			and the second	R	Si e dan
37. if it change to a rectangle	1.540		19.15		F			and the second		
38. with round corners.		G				100 CA.				
39. It's about 5 or 6 cm across		G		1.101			1			
40. and 2 cm high.		G					1000			

		1			1	1	1	1	
41. Above that	G	ļ			ļ	<u></u>			
42. there is a slight large	G								
43. rectilinear elliptical shape				F		L			
44. probably,					Ļ			R	
45. and half bigger	G								
46. and 1,5 cm width	G								
47. and 1 cm taller	G								
48. than the previous one.							R		
49. Separated by just 1 cm.	G	ļ	ļ						
50. There are ten sort of trees		G			S				
51. or vertical elements.				F	ļ	ļ			
52. 5 with the arrows facing one way		G	-		S				
53. and 5 face other way.		G							
54. I have to go through one by one.							R		
55. The first one is drawn		G			ļ				
56. in the bottom ellipse	G	ļ		F	<b></b>				
57. over the left hand side,	G				ļ				
58. into the first ellipse.		Ļ		F	ļ				
59. The straight line				F					
60. goes into the first ellipse				F					
61. and then it pass it	G								
62. and straight down	G								
63. to the right.	G								
64. The next one starts in the bottom ellipse		G		F					
65. and goes up	G								
66. through the second ellipse,				F					
67. above it about a cm	G								
68. and down to the left.	G								
69. The next is slight slanted	G								
70. to the left,	G								
71. but again starts in the bottom ellipse,	G	[	1 1	F	[				
72. goes up through the second ellipse	G	<u> </u>		F					
73. nearing to the left.	G		1		ł				
74. Goes further	G				[				
75. beyond the last tree			1 1		S				
76. and down to the left.	G		++		<u> </u>				
77. The next one is just the same		G	++		<u> </u>				
78. but straighter	G	<u> </u>	<u>├</u> ──┼		<u> </u>				
79. and slight shorter.	G	<u> </u>	<u>†</u> ──†		╞────	+			
80. The next one is taller,		G	┼───┼		<u> </u>	<u> </u>	ł		
	G	<u> </u>	┼┈──╂		<u> </u>				
81. straighter	G	<u> </u>	┼──┼		<u> </u>			<u> </u>	
82. and lease to the right.	G	<u> </u>	┼──┼		<u> </u>	<u> </u>	<u> </u>	<u> </u>	
83. Just by the top	G	<u> </u>	┼┈──┼		<u> </u>				<u> </u>
84. of that one to the right	G	╞	┼───┼		<u> </u>				
85. and above it		<u> </u>	┼───┼			<u> </u>			<u> </u>
86. is the circle.		<u> </u>	╉───┼	F	-	<b> </b>			l
87. The last tree element			┟───┥		S	<b></b>			
88. in the bottom ellipse		<b> </b>	┥	F	ļ	<b> </b>	ļ	ļ	
89. is on right hand side	G	<b> </b>	┟┈┈╌┤		ļ	<b> </b>	ļ	ļ	
90. and goes up about the same right	G	<b> </b>	ļļ		<u> </u>	<b>_</b>			L
91. as the second one		G	<u> </u>		L			<u> </u>	<u>L</u>

Sketching and visual perception in conceptual design	
Annex V – Segments and verbal cognitive actions	

92. that I described						R		
93. and down to the left.	G							
94. Then there are tree elements	_				S			
95. that start in the second elliptical shape				F				
96. above the first.	G							
97. The first is right over	G							
98. the left hand side	G			1.1.1				
99. and comes up about 3 or 4 cm	G							
100. and the arms to the right.					S			
101. Next tree element					S			
102. is about <sup>3</sup> / <sub>4</sub> of the way	G							
103. towards the right.	G							
104. It's about the same size	G						1.2.2.2.2.2	
105. to the others again						R		
106. the arm to the right.		-			S			
107. Final tree element					S			
108. in the second ellipse		1203		F				
109. is right over	G							
110. the right hand boundary	G							
111. and again the top right boundary			128-3					
112. and the same size	G							
113. as the previous one	G							
114. but the arm to the left.				88.2.7	S			
115. Final tree element	an Dailte				S	11.11.11.11.11.11.11.11.11.11.11.11.11.		
116. is above the second ellipse		5.20	620	F				
117. so touching any ellipse				F				
118. about the centre of the group		G					22.00	
119. horizontally.	G					5. TT 240		
120. It is about the same size	G	100					1000	
121. of the last tree group				113.37	S	11		
122. with arm to the right.				224.2.2.3	S	and between		
123. Finally in the top left hand corner	G			10223				
124. of the sketch				17-12-14	S			
125. there is a curve,				F				
125. which is almost a quarter of the circle				F				
127. that's been drawing off the page.		G						
128. So it's a quarter of the circle without		-		F				-
129. just peering the circumference line.				F				
			G					
130. It's the better.				35				
	74				23 13			
				145				

## DIPLOMA YEAR session 05 - Description 01 (Non-Architectural sketch)

	Ger	General Descriptions				Features Descriptions		Reflective Descriptions			
Segments	Paper Refer	Size Posii	Genel View	Concl	Formal	Symbol	Judgm	Remem	Reflect	Recap	

					51				
30					4			7	
			G	Sec. Stranger	Contraction of the local data				ALCONTRACT
					S				R
					S				
1		G					2.		
		G		F					R
	G			F					R
	G		4.1.2	F					R
	G			F					R
6		G	2.5						R
			G						
	G			52.0.11			253.7		
				F					
					S				
		G		F					
	G			F					14.2
	G								
	G								
							R		
		G							
-	G	-							
	6			F			1. 11		
	G								
				F					_
	G								
		G							
	G	-							
				F					
-		G							
	G								
				C. S.			0.000		
G							1000		
	1	G			1		12.2		
	G		200		134 5		1.5		
	G				10.00	1.1.2			
	G								
		G							
	G	G         G           G         G	G         G           G         G	G            G         G	G       G       G         G       G       G	G       G       I       I         G	G       G       I       I       I         G       G       I       I       I         G       G       I       I       I         G       G       I       I       I         G       G       I       I       I         G       G       I       I       I         G       G       I       I       I         G       G       I       I       I         G       G       I       I       I         G       G       I       I       I         G       G       I       I       I         G       G       I       I       I         G       G       I       I       I         G       G       I       I       I         G       G       I       I       I         G       G       F       I       I         G       G       F       I       I         G       G       F       I       I         G       G       F       I       I         G       G       F <td>G       G       G       G       G       G         G       G       G       G       G       G         G       G       G       G       G       G         G       G       G       G       G       G         G       G       G       G       G       G         G       G       G       G       G       G         G       G       G       G       G       G         G       G       G       G       G       G         G       G       G       G       G       G         G       G       G       G       G       G         G       G       G       G       G       G         G       G       F       G       G       G         G       G       F       G       G       G       G         G       G       F       G       G       G       G       G         G       G       F       G       G       G       G       G       G       G       G       G       G       G       G       G       &lt;</td> <td>G       G</td>	G       G       G       G       G       G         G       G       G       G       G       G         G       G       G       G       G       G         G       G       G       G       G       G         G       G       G       G       G       G         G       G       G       G       G       G         G       G       G       G       G       G         G       G       G       G       G       G         G       G       G       G       G       G         G       G       G       G       G       G         G       G       G       G       G       G         G       G       F       G       G       G         G       G       F       G       G       G       G         G       G       F       G       G       G       G       G         G       G       F       G       G       G       G       G       G       G       G       G       G       G       G       G       <	G       G

## DIPLOMA YEAR session 05 - Description 02 (Architectural sketch)

	General Descriptions					Features Descriptions		Reflective Descriptions			
Segments Re:	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap	
	Refer	Size Posit	Genel View G	Concl usive	Formal	Symbol	Judgm	Remem	THE REAL PROPERTY OF	Reflect	

										<u> </u>
2. from the centre of the page again.		G								
3. Taking about half of format A4.	G									
4. Again it's black lines			G					R		
5. in white paper.			G							
6. It's quite architectural,						S				
7. it's quite sketch.						S				
8. This one is a quite large square				L	F					
9. in sketch format.						S				
10. Often the large square,					F				L	
11. draw a line going horizontally		G	Ĺ		F					
12. through the centre of it		G								
13. and then vertically		G		ļ		ļ				
14. through the centre of it		G				<u> </u>				
15. goes down,		G								
16. goes down		G								
17. not in the top half.		G								
18. So you got like a rectangle					F					
19. in the top		G								
20. with two squares					F					
21. in the bottom.		G								
22. On the lower left hand side square		G			F					
23. draw another two horizontal lines					F					
24. dividing into three.			G							
25. This is also contained in the first large square.					F			R		
26. Again in the bottom left hand square		G			F					
27. you created in this large square.					F					
28. In the top third of that portion		G								
29. draw a cross					-	S				
30. on the left hand side		G								
31. in that top third.		G		Ι						
32. A sketch cross.						S				
33. Look at the square as a whole again,			G		F			R		
34. look at the top right hand side		G								
35. of that square					F					
36. about a quarter of the way in,		G								
37. from the top line coming down,		G								
38. draw a vertical line down	1				F					
39. only at the half point of the square.		G			F					
40. Then two horizontal small lines	1				F					
41. in the top portion		G			1	†				
42. of the area you just mock off.					<b>†</b>			R	<u> </u>	
43. Hard complicated, isn't it.				<u> </u>			R			
44. Look back at the square as a whole.					F	<u>†</u>		R	<u>†</u>	
45. Draw a line coming out					F	+		<u> </u>		<u> </u>
46. from just below	<u> </u>	G		· · · · ·	<u> </u>	+		<u> </u>	1	<u> </u>
47. the centre of the square,		G			F	+	<u> </u>	<u> </u>	<u> </u>	+
47. the centre of the square, 48. coming out of the square	<u> </u>	G			F	1		<u> </u>	+	+
48. coming out of the square 49. to your right hand side.		G			<u> </u>	+		<u> </u>	<u>+</u>	+
50. So way right hand.	<u> </u>	G	<u> </u>	<del> </del>		+	<u> </u>	<u> </u>	<u> </u>	┼───
51. So coming out	<u> </u>	G		+	<u> </u>	+		<del> </del>	<u> </u>	<u> </u>
	<b> </b>	G			<u> </u>	+		<b> </b>	+	
52. to your right hand side,	L		L	I	1	<u> </u>	l	L	I	L

					97				
	4	17		30	11		9		
81. I think it's the better.			G						
80. nothing is quite exact.						R		The second	
79. It's quite sketch,					S				
78. On this is a oblong box.			1.1	F	S	6. 19. 19			
77. of the large square.				F					
76. the bottom left hand side	G						1223		
75. coming out	G								
74. So it's a small portion	G								
73. of square originally.			4.1.1	F			R		
72. you divided in the block					S				
71. So almost the replicate the third		G							
70. under the larger square.				F					
69. coming out	G								
68. and then draw a oblong				F					
67. Just make down bit longer	G								
66. slight further down.	G								
65. of the square				F					
64. Just extend the left wall					S				
63. The other side now.	G			R. STA					
62. of the square.	20 200			F					
61. Go down to the bottom left hand corner	G				1.				
60. Go back at the large square as a whole.				F			R		
59. attached to the end.	G			1.12					
58. draw a small box,					S				
57. At the end of it	G								
56. coming out of the square.	G			F					
55. like a 'prouk'					S				
53. out of the page. 54. There are two lines				F					

#### DIPLOMA YEAR session 06 - Description 01 (Architectural sketch)

	General Descriptions				Features Descriptions		Reflective Descriptions				
Segments	Paper Refer	Size Posit		Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap	
1. It's a architectural sketch.				and the second		S					
2. Looks like a plan.						S					
3. Basically a square					F						
4. in the middle of the page,		G									
5. about 10 cm on each side,		G									
6. with some division		G	1000	1.1.23	1000						
7. dividing into two rectangles.					F						
8. The division is going across the middle		G			1752.74		223-124				
9. of the square					F		13.3 11				
10. horizontally.		G									

11. The lower rectangle			F					
12. is again subdivided into two squares			F					
13. with a vertical line.			F					
14. Basically it is the layout of the thing.		G						
15. About one cm down	G							
16. from that first horizontal division that you drew,	G					R		
17. there is a line			F					
18. sticking out the side of the rectangle,	G		F					
19. which is double line.			F					
20. So it's a cm down that line a	G		F					
21. and sticks a cm into the rectangle	G		F					
22. and three cm out the rectangle.	G		F				[	
23. There is a little square			F					
24. in the end of that.	G							
25. Like a light spot.				S				
26. That little square			F					
27. is about one cm square.			F			_		1
28. On the top half square,	G		F					1
29. the top rectangle			F					<u> </u>
30. that hasn't be subdivided yet.		G	1					1
31. There is a line down on side,			F					
32. a vertical line down on side			F					
33. dividing a one cm width stick,	G		+	S				
	G		+		+			
34. a vertical one,			F			•		+
35. on the end of that rectangle			F					
36. inside the big square.			<u> </u>					R
37. Just to recap:			F					R
38. In the big square,			<b>^</b>					R
39. we have it divided			F					+
40. into two long rectangles,	G							R
41. top and bottom.			<u> </u>					+
42. We have a little fly				S				
43. what looks like a light spot				S				R
44. in the bottom one.	G	-	+					
45. We have a little stick				S				
46. in the top one.	G		┥──┤───					
47. The bottom	G		ļ					
48. of those two long rectangles			F					ļ
49. is subdivided into two squares.			F		<u> </u>			
50. The left hand of these two squares	G		F		-		L	
51. I just mentioned,			ļ			R	L	
52. is now divided into three		G						
53. with horizontal lines,			F					
54. so it's aboutI don't know							R	
55. equally divided into three		G						
56. horizontal divisions		G						
57. by two lines.			F					
58. If you can take two of those		G						
59. new long rectangles			F	-	-	-		1
60. just created on those subdivisions,		G	1		+			1
61. a little third		G	<u>+</u>					
			<u> </u>		<u> </u>	<b>L</b>	I	J

				117					
	4	12	43	14		18			
97. of the big square.			F						
96. on the bottom rectangle	1.4		F						
95. of these two rectangles			F						
94. that I mentioned,	2					R			
93. more or less to that subdivision		G							
92. of that cross,				S					
91. horizontally from the right hand side	G								
90. A line going from there,			F						
39. Nothing too neat.					R				
88. As a multiplication sign.				S					
87. on its left hand end.	G								
86. about a cm square			F						
85. A very quickly cross				S					
84. its got a cross.				S					
83. the top corner of that little rectangle,	G		F						
82. Left hand square of lower rectangle,			FF						
31. Two horizontal rectangles.			F				R		
30. Big square.			F				R		
79. Going back again.							R		
78. A kind of pipe out about a cm.				S					
77. its relation pattern.		G							
76. there is something approaching vertically	190	G							
75. inside this little stick,				S					
74. At the top of that,	G								
73. on the right hand side.	G								
72. on the side,	G								
71. On the top one you have a little stick				S			R		
70. top and bottom.	G						R		
69. subdivided into two long rectangles,			F				R		
68. Big square,			F				R		
67. Going back again.	G		6				R		
66. of the big square.	1.1		F						
65. So also sticking out	G								
64. of that square.			F						
<ul><li>basically draw two of those</li><li>on the bottom</li></ul>	G								

## DIPLOMA YEAR session 06 - Description 02 (Non-Architectural sketch)

	General Descriptions				Features Descriptions		Reflective Descriptions				
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap	
1. It is more a tri-dimensional picture						S					
2. or what it seems.						0.10.1		1.222.221	R		
3. There is a rectangle which is just				1.17.1	F	and and	122 A 23	122.020	1000	1	
4. it is not drawing	1.	1.1.1		1.000	1.1.1		1	1223.42	R		

5.       but part of the print.       G       G         6.       siting on middle of the page.       G       F         7.       Tr's a long line rectangle       F		<u> </u>			· · · · · · ·	<u></u>				
Second Second	5. but part of the print,		G	L		L				
1         Dot Toty for an on width         G           9.         and about fifteen on high.         G	6. sitting on middle of the page.	G								
B         B	7. It's a long line rectangle			<u></u>	F					
2         Image         G           11         At it is frame of what you will draw         G         F           12. there is some son of         G         F         Image           13. basically it is an oval shape         F         Image         F           14. but being flatting         G         F         Image         Image           15. in this distinct hand drawing.         G         G         Image         Image           15. in this distinct hand drawing.         G         G         Image         Image         Image           16. Not really oval at all         F         R         Image         Image <td>8. about ten cm width</td> <td>G</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	8. about ten cm width	G								
Description         C         F         Image: Constraint of the instance of	9. and about fifteen cm high.	G								
In the doctor results of the source	10. That is the frame of what you will draw.			G						
12. bit is an oval shape       F         14. but being flatting       G         15. in this distinct hand drawing.       G         16. Not really oval at all       F         17. but more sausage.       S         18. Above that       G         19. there is a slightly fat of that.       G         20. The first sausage       S         21. is about two om high       G         22. and stretch most of the width       G         23. and it is centered.       G         24. Most of the width of the rectangle.       F         25. The second sausage       S         26. is about two on high.       G         27. slightly fat of othat.       G         28. and it is centered.       G         29. Top left hand corner       G         30. of the rectangle       F         21. is about two on high.       G         29. Top left hand corner       G         30. of the rectangle       F         31. we have a quarter of circle       F         32. about two on in radius.       G         33. The quarter circle       F         34. has a 00 degrees angle       G         35. with the rectangle fat you just drew.       F	11. At the bottom of that rectangle	G			F					
12.         Description         Description <thdescription< th=""> <thdes< td=""><td>12. there is some sort of</td><td></td><td>G</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thdes<></thdescription<>	12. there is some sort of		G							
17. On Ording Targets         -         C         C           15. in this distinct hand drawing.         C         F         R           16. Not really oval at all         F         R         R           17. but more sausage.         S         S         -           18. Above that         G         -         -         -           19. there is a slightly fat of that.         G         -         -         -           20. The first sausage         S         R         -         -         -           21. is about two cm high         G         -         -         -         -         -           22. and stretch most of the width         G         -         <	13. basically it is an oval shape				F					
12. In do during a many product of the second product of	14. but being flatting	G								
Instruction         S         S           18. Above that         G         S         S           19. there is a slightly fat of that.         G         S         R           20. The first sausage         S         R         S         R           21. is about two on high         G         S         R         S         R           21. is about two on high         G         S         R         S         R           23. and it is centered.         G         S         R         S         R           23. and it is centered.         G         S         R         S         R           24. Most of the width of the rectangle.         F         S         R         S         R           25. The second sausage         G         S         R         S         R         S           25. The second sausage         G         F         S         R         S         S         R         S         R         S         S         R         S         S         R         S         S         R         S         S         S         R         S         S         S         S         S         S         S         S	15. in this distinct hand drawing.		G							
17. brance transport       G         18. Above that       G         19. there is a slightly fat of that.       G         20. The first sausage       S         21. is about two cm high       G         22. and stretch most of the width       G         23. and it is centered.       G         24. Most of the width of the rectangle.       F         25. The second sausage       S         26. is about twee cm high,       G         27. slightly longer       G         28. and slightly square at the end.       G         29. Top left hand corner       G         30. of the rectangle       F         21. we have a quarter of circle       F         31. we have a quarter of circle       F         32. about twe cm in radius.       G         33. The quarter circle       F         34. has a 90 degrees angle       G         37. on the top right hand corner,       G         38. we have a little circle       F         39. about 1, 5 cm in diameter,       G         40. not radius but diameter,       G         41. That sits basically opposite       G         42. the quarter of circle,       F         39. about 1, 5 cm in diameter,	16. Not really oval at all				F				R	
10. There is a slightly fat of that.       G       S       R         20. The first sausage       S       R       S       R         21. is about two cm high       G       S       R       S         22. and stretch most of the width       G       S       R       S         23. and it is centered.       G       S       R       S       R         23. and it is centered.       G       S       R       S       R         25. The second sausage       S       R       S       R       S       R         26. is about three cm high,       G       S       R       S       R       S       S       R       S       S       R       S <t< td=""><td>17. but more sausage.</td><td></td><td></td><td></td><td></td><td>S</td><td></td><td></td><td></td><td></td></t<>	17. but more sausage.					S				
19. The first stating       S       R         20. The first stating       G       S       R         21. is about two cm high       G       S       R         21. is about two cm high       G       S       R         22. and stretch most of the width       G       S       R         23. and it is centered.       G       S       R         24. Most of the width of the rectangle.       F       S       R         25. The second sausage       G       S       R         26. is about three cm high,       G       G       F         27. slightly longer       G       S       R         28. and slightly square at the end.       G       F       S         29. Top left hand corner       G       F       S         30. of the rectangle       F       S       S         31. we have a quarter of circle       F       S       S         32. about two cm in radius.       G       G       S       S         33. The quarter circle       F       R       S       S       S         34. has a 90 degrees angle       G       S       S       S       S       S       S         36. Opposite	18. Above that	G	T							
20. The first sausage       S       R         21. is about two em high       G       S       R         22. and stretch most of the width       G       S       S       R         23. and it is centered.       G       S       R       S       S         23. and it is centered.       G       F       S       R       S       S       R       S       S       R       S       S       R       S       S       R       S       S       R       S       S       R       S	19. there is a slightly fat of that.	G								
21. is about two cm high       G						S		R		
22. and stretch most of the width       G		G								
23. and it is centered.       G       F       Image: Second sausage         24. Most of the width of the rectangle.       F       S       R         25. The second sausage       G       S       R         26. is about three cm high,       G       Image: Second sausage       Image: Second sausage         27. slightly longer       G       Image: Second sausage       Image: Second sausage       Image: Second sausage         28. and slightly square at the end.       G       F       Image: Second sausage       Image: Second sausage         29. Top left hand corner       G       Image: Second sausage       Image: Second sausage       Image: Second sausage         30. of the rectangle       F       Image: Second sausage       Image: Second sausage       Image: Second sausage       Image: Second sausage         31. the quarter of circle       F       Image: Second sausage       Image: Second sausic sausage       Image: Second sausage       Im		G								
24. Most of the width of the rectangle.       F       S       R         25. The second sausage       G       S       R       S         26. is about three cm high,       G       G       S       R       S         27. slightly longer       G       G       S       R       S       S         28. and slightly square at the end.       G       F       S		G	1							
25. The second sausage       S       R         26. is about three cm high,       G       G         27. slightly longer       G					F					
26. is about three cm high,       G			1			S		R		
27. slightly longer       G       Image: slightly square at the end.       G       F       Image: slightly square at the end.         28. and slightly square at the end.       G       F       Image: slightly square at the end.       G         29. Top left hand corner       G       F       Image: slightly square at the end.       G         30. of the rectangle       F       Image: slightly square at the end.       F       Image: slightly square at the end.         31. we have a quarter of circle       F       Image: slightly square at the end.       G       Image: slightly square at the end.       G         32. about two cm in radius.       G       F       Image: slightly square at the end.       G       Image: slightly square at the end.       G         33. The quarter circle       F       F       Image: slightly square at the end.       G       Image: slightly square at the end.       G         34. has a 90 degrees angle       G       F       R       Image: slightly square at the end.       G         35. with the rectangle that you just drew.       G       F       R       Image: slightly		G	1							
27. and slightly square at the end.       G       F         28. and slightly square at the end.       G       F         30. of the rectangle       F		G								
29. Top left hand corner       G       F         30. of the rectangle       F       F         31. we have a quarter of circle       F       F         32. about two cm in radius.       G       F         33. The quarter circle       F       F         34. has a 90 degrees angle       G       F         35. with the rectangle that you just drew.       F       R         36. Opposite that,       G       F       F         37. on the top right hand corner,       G       F       F         38. we have a little circle       F       R       F         39. about 1,5 cm in diameter,       G       F       R         40. not radius but diameter.       R       R       F         41. That sits basically opposite       G       F       F         43. that quarter arc.       F       F       F         44. Sticking out of this,       G       F       F         45. if you think the two sausages,       S       S       F         46. they look like tolls       S       F       F         47. of water or something.       S       S       F         48. So again tri-dimension on what you drew.       S       R       F </td <td></td> <td><u> </u></td> <td></td> <td></td> <td>F</td> <td><u> </u></td> <td></td> <td></td> <td></td> <td></td>		<u> </u>			F	<u> </u>				
25. 1 Op ter name entrop       F         30. of the rectangle       F         31. we have a quarter of circle       F         32. about two cm in radius.       G         33. The quarter circle       F         34. has a 90 degrees angle       G         35. with the rectangle that you just drew.       F         36. Opposite that,       G         37. on the top right hand comer,       G         38. we have a little circle       F         39. about 1,5 cm in diameter,       G         40. not radius but diameter.       F         41. That sits basically opposite       G         42. the quarter of circle,       F         43. that quarter arc.       F         44. Sticking out of this,       G         45. if you think the two sausages,       S         47. of water or something.       S         48. So again tri-dimension on what you drew.       S         49. Sticking out then,       G         50. there are a lot of almost vertical lines.       F         51. Out of the first sausage       G         52. we have six lines.       G		<u> </u>			-					
30. of the rectangle       F         31. we have a quarter of circle       F         32. about two cm in radius.       G         33. The quarter circle       F         34. has a 90 degrees angle       G         35. with the rectangle that you just drew.       F         36. Opposite that,       G         37. on the top right hand corner,       G         38. we have a little circle       F         39. about 1,5 cm in diameter,       G         40. not radius but diameter.       F         41. That sits basically opposite       G         42. the quarter of circle,       F         43. that quarter arc.       F         44. Sticking out of this,       G         45. if you think the two sausages,       S         46. they look like tolls       S         47. of water or something.       S         48. So again tri-dimension on what you drew.       S         49. Sticking out then,       G         50. there are a lot of almost vertical lines.       F         51. Out of the first sausage       G         52. we have six lines.       G		<u> </u>	<u> </u>		F					·
31. We have a guarder of circle       G       F         32. about two cm in radius.       G       F         33. The quarter circle       F       F         34. has a 90 degrees angle       G       F         35. with the rectangle that you just drew.       F       R         36. Opposite that,       G			+			+				<u> </u>
32. The quarter circle       F       Image: Second second		G						···		
33. has a 90 degrees angle       G       F       R         34. has a 90 degrees angle       G       F       R         35. with the rectangle that you just drew.       G       F       R         36. Opposite that,       G       G       G       G         37. on the top right hand comer,       G       F       G       G         38. we have a little circle       F       G       G       G         39. about 1,5 cm in diameter,       G       G       G       G         40. not radius but diameter.       G       F       G       G         41. That sits basically opposite       G       F       G       G         42. the quarter of circle,       F       G       G       G       G         43. that quarter arc.       F       G       G       G       G       G         44. Sticking out of this,       G										
34. that a 50 degrees might       F       R         35. with the rectangle that you just drew.       G       F       R         36. Opposite that,       G       Image: Second Seco		G	┼───			<u></u> +	+			
35. with the rectange tails for first sausage       G										
37. on the top right hand comer,       G       F         38. we have a little circle       F       F         39. about 1,5 cm in diameter,       G       F         40. not radius but diameter.       R         41. That sits basically opposite       G       F         42. the quarter of circle,       F       F         43. that quarter arc.       F       F         44. Sticking out of this,       G       F         45. if you think the two sausages,       G       S         46. they look like tolls       S       F         47. of water or something.       S       R         48. So again tri-dimension on what you drew.       G       F         49. Sticking out then,       G       F         50. there are a lot of almost vertical lines.       F       S         51. Out of the first sausage       G       S       S         52. we have six lines.       G       F       S		G								}···
37. On the top right hand corner,       F         38. we have a little circle       F         39. about 1,5 cm in diameter,       G         40. not radius but diameter.       R         41. That sits basically opposite       G         42. the quarter of circle,       F         43. that quarter arc.       F         44. Sticking out of this,       G         45. if you think the two sausages,       S         46. they look like tolls       S         47. of water or something.       S         48. So again tri-dimension on what you drew.       S         49. Sticking out then,       G         50. there are a lot of almost vertical lines.       F         51. Out of the first sausage       G         52. we have six lines.       G		ł								
38. we have a nucle check       G       Image: check					 					
39. about 1,2 cm in diameter,       R         40. not radius but diameter.       R         41. That sits basically opposite       G         42. the quarter of circle,       F         43. that quarter arc.       F         44. Sticking out of this,       G         45. if you think the two sausages,       S         46. they look like tolls       S         47. of water or something.       S         48. So again tri-dimension on what you drew.       S         49. Sticking out then,       G         50. there are a lot of almost vertical lines.       F         51. Out of the first sausage       G         52. we have six lines.       G		G		<u> </u>	<b>*</b>			<del>.</del>		
41. That sits basically opposite       G				<u> </u>		<u> </u>	<u>├</u> ┼			
41. This bis balance of circle,       F       F         42. the quarter of circle,       F       F         43. that quarter arc.       F       F         44. Sticking out of this,       G       S         45. if you think the two sausages,       S       S         46. they look like tolls       S       S         47. of water or something.       S       S         48. So again tri-dimension on what you drew.       S       R         49. Sticking out then,       G       S         50. there are a lot of almost vertical lines.       F       S         51. Out of the first sausage       G       S         52. we have six lines.       G       F						<u> </u>			ĸ	<u> </u>
42. the quarter of or broks,       F       F         43. that quarter arc.       F       F         44. Sticking out of this,       G       S         45. if you think the two sausages,       S       S         46. they look like tolls       S       S         47. of water or something.       S       S         48. So again tri-dimension on what you drew.       S       R         49. Sticking out then,       G       S         50. there are a lot of almost vertical lines.       F       S         51. Out of the first sausage       G       S       S         52. we have six lines.       G       F       S		<u> </u>								
44. Sticking out of this,       G		┟──┼───	<u> </u>			l				
45. if you think the two sausages,       S       S         45. if you think the two sausages,       S       S         46. they look like tolls       S       S         47. of water or something.       S       S         48. So again tri-dimension on what you drew.       S       R         49. Sticking out then,       G       S         50. there are a lot of almost vertical lines.       F       S         51. Out of the first sausage       G       S       S         52. we have six lines.       G       F       S		<u>├</u>	┟───		<u> </u>		┞────┤			<b></b>
46. they look like tolls       S         46. they look like tolls       S         47. of water or something.       S         48. So again tri-dimension on what you drew.       S         49. Sticking out then,       G         50. there are a lot of almost vertical lines.       F         51. Out of the first sausage       G         52. we have six lines.       G	44. Sticking out of this,	G				+				
47. of water or something.       S       S         47. of water or something.       S       R         48. So again tri-dimension on what you drew.       S       R         49. Sticking out then,       G       S         50. there are a lot of almost vertical lines.       F       S         51. Out of the first sausage       G       S       S         52. we have six lines.       G       F       S		<b>↓</b>	ļ	ļ						
48. So again tri-dimension on what you drew.       S       R         49. Sticking out then,       G       Image: Constraint of the first sausage       Image: Constraint of the first sausage         50. there are a lot of almost vertical lines.       F       Image: Constraint of the first sausage       Image: Constraint of the first sausage         51. Out of the first sausage       G       S       Image: Constraint of the first sausage         52. we have six lines.       G       F       Image: Constraint of the first sausage	46. they look like tolls	<b>↓</b>	<u> </u>	ļ						
49. Sticking out then,       G       Image: Constraint of a line state of a l	47. of water or something.	<b></b>	<u> </u>						<u> </u>	L
50. there are a lot of almost vertical lines.     F       51. Out of the first sausage     G       52. we have six lines.     G	48. So again tri-dimension on what you drew.			L		S		R		ļ
50. data distribution     G     S       51. Out of the first sausage     G     S       52. we have six lines.     G     F	49. Sticking out then,		G							
52. we have six lines. G F					F					
52. we have six lines. G F	51. Out of the first sausage	G				S				
	52. we have six lines.		G		F					
	53. I should go from left to the right.		G							
54. Very equal stages G			G				T			
55. across the vertical rectangle roughly. F					F	1				

								· · · ·
56. They still have different bits		G						
57. of depth of this part that is going back.	G						L	
58. The first one is a vertical line			F					
59. that starts near the left hand end	G							
60. of the sausage				S				
61. and goes up about 4 cm.	G							
62. The second one another cm longer	G							
63. and further back	G	<u> </u>	ļ					
64. goes up 5 cm	G	ļ						
65. and sticks slightly up to the left.		ļ	ļ					Ļ
66. The next one again a cm far from that.	G	<b>_</b>						
67. Same position on the depth	G	L	ļ					
68. of the sausage,		ļ	Į	S				ļ
69. sticks out about 8 cm	G	ļ	ļ					
70. and slightly to the left.	G							
71. One after that is very close		G					L	ļ
72. but is based towards the front	G	ļ	<b></b>				L	L
73. of the sausage,	ļļ	<u> </u>	┢───	S				L
74. goes up straight about 8 cm,	G	Ļ						
75. so on the rectangle		L	F					
76. becomes lower that last line,			F					
77. because it's close to the front	G							
78. of the sausage.				S				
79. Next one along a cm,		G						
80. same death in the sausage,				S				
81. up ten cm.	G							
82. That's coming just about the circle,	G		F					
83. which you drew at the top right hand corner						R		
84. of the rectangle.			F					
85. The last one is right on the right edge	G							
86. of sausage,				S				
87. slightly to the right	G							
88. with depth about 5 cm.	G							
89. Now on top of each of those,	G							
90. there is another line			F					
91. that's coming down	G							
92. about 45 degrees for about a cm.	G						[	
93. On the first, line is to the right.			F					
94. Second line is to the left.			F					
95. Third line is to the left.			F				t	<u> </u>
96. Fourth line to the left.			F		1		1	
97. Fifth line to the right.			F		1		1	
98. Sixth line to the left.		<u> </u>	F				<u> </u>	
99. That's the little line coming down.		<u> </u>	F				<u> </u>	
100.On the back sausage		<u>                                      </u>	<u> </u>	S			<u> </u>	
101. we have three of these vertical lines.		<u> </u>	F	+	1		<u> </u>	
101. We have three of these vertical lines.	G	<u> </u>	<u>├</u>		+	<u></u>	<u>†</u>	
103. towards the front of the depth	G		┼──┼───				<u> </u>	
104. of the sausage.	├ <u>-</u>	<u> </u>	<u> </u>	s	+		<u> </u>	<u> </u>
105. This is about 4 cm,	G	<u> </u>	<u>├</u>				<u> </u>	
	G	<u> </u>	<u>├</u>		+		<u> </u>	
106. comes down to the right		L	I				L	l

					151				
	8	32		33	25	11			
141.That's all.			G						
140.That is silly.						R			
39. There is a little scribble on the top.	G								
38. Hang on.							R		
37. I think that's it.			G						
136. 45 degrees.	G								
135. one cm down to right	G	-26,200		<b>FORM</b>					
134. of that 45 degrees line,	G								
133. coming down to the right	G	-311-1							
132. Going straight up 4 cm,	G								
131. a cm above the back sausage.	26 26				S				
130. but is in fact in the background,		G							
129. in one of the sausages					S				
128. which doesn't have space		G		20.00					
127. we have another line,				F					
126. of the first sausage,					S				
125.And finally between the third and forth lines	G	1992		F					
124. one cm to the left.	G								
123. and down 45 degrees	G								
122. up about 5 cm	G								
121. of this second sausage,					S				
120. towards the back of the depth	G				31220				
119. of the sausage,					S				
118. on the extreme right hand end	G								
117. At the very last one		G							
116. and one cm.	G								
115. down to the right 45 degrees	G								
114. up about 5cm,	G			1					
113. Middle of that second sausage,	1				S				
112. of the first sausage.					S				
111.is between the fifth and the sixth lines	G								
110. between because of the perspective,		G		- Kard			3-14 3-22		
109. is between, apparently	G								
107. that 45 degrees line.         108. The next one in this sausage					S				

## DIPLOMA YEAR session 07 - Description 01 (Non-Architectural sketch)

	General Descriptions				Features Descriptions		Reflective Descriptions				
Segments	Paper Refer	Size Posit	<ul> <li>Structure and a structure</li> </ul>	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap	
If you have your paper portrait,	G										
in the top right hand corner		G				di series	Sector and	Sec.			
draw a circle.					F						
Top right.		G			24 744						
Then on the left hand corner,		G				and the second			State of the		

		3	32		13	6			4	
53. That's all on this drawing.				G			and the second	-		10 A.
52. just draw a up side down tick there.						S	1-51			
51. right in the middle,		G				-		-	1.4.2	
50. If you start in the middle of the page,		G			100	-			and the second	
49. there is one more up side down tick.	1000	1				S				
<ol> <li>After you done that,</li> </ol>		1200	-	6 h h h h	and the second				R	
47. and two on the right.		G			10000					
46. One on the left		G						1.12.2.2		
45. coming from it.		G	1	-	C. S. Contract		Section 200			
44. there are three of those up side down ticks		1000				S			143.5	
43. After you done that second oblong shape,		100	-		F	in the			-	200
42. and a littler bit bigger.		G				-		4440.443	1.22	
41. a little bit longer		G			In the second		- interior in the	· · · · · · · · ·	and the second	
40. a bit just above it.		G			Sec. 1		1-21-24			
39. there is another oblong shape		100			F	1.				
38. at the bottom		G					a loss and		30022	
37. On the top oblong shape you drew,			1	1	F			R		
36. some in the middle.			G		1 × 1				S. Sugar	
35. some half way,		-	G				-		1-22/01	
34. So near to the top circle,		G		-	F			- comment	Sand A.	
33. All different length.		G	No.	Sec. 1			2.92.0		14990	
32. So there are nine of those.			G		Part A				64-14-14-14-14-14-14-14-14-14-14-14-14-14	
31. at the bottom.		G								
30. All coming out of this oblong shape		G			F			100		
29. it's kind a quite arbitrary here and there.		1	G			-				
28. If you draw nine of them,			G						1223	S. Santa
27. at the top.		G			-			C. ACTIN	Sec.	12-5-2
26. with a little stalk bit		1-1-1-1	6-1 (J. J.		1 the second	S				
25. and them, it's like a up side down tick		1.00			4	S				
24. Draw a vertical line up		19-10-14-1			F					
23. of this oblong shape.					F			1		
22. and they all coming out		G				A	-			
21. and there are six of these			G		1			1		
20. I want you to draw a vertical line		1000			F					
19. After you done that		-			Internet and				R	
18. This is all 2D by the way.				1		S				
<ul><li>16. Right across the bottom,</li><li>17. like oblong shapes.</li></ul>		0			F					
15. It has rounded edges.		G								
14. I want you to draw a kind of long oval shape.		G								
13. if you imagine a kind of portrait format,	K				F				-	
12. Right at the bottom of the page,	R	0								
11. Just like a arc or something.		G							R	
10. Do you see what I mean?										-
9. of the circle.					F					
8. but it is the bottom right		G								
7. draw a kind of quarter of circle,					F	100000	1000	-		
6. at the top,		G			1.1.1					

### DIPLOMA YEAR session 07 - Description 02 (Architectural sketch)

Verbal Cognitive Actions           Reflective Descriptions         Reflective Descriptions           Size Genel Concl.         Formal Symbol         Judgm         Reflective Descriptions           In This is a lot different to the first one.         Genel Concl.         Formal Symbol         Judgm         Reflective Descriptions           Anothing rounded.         G         Concl.         Formal Symbol         Judgm         Reflective Descriptions           3. all kind of plane shapes.         G         G         C			Ver	bal Cos	nitive A	ctions					
SegmentsPaper ReferSize PositGene ViewConcl usiveFormalSymbolJudgmRememReflectReflectReflect1. This is a lot different to the first one.IGII<		Gei				Feat	2 You a reaction of the second second	R	eflective I	Descriptio	ns
Initial action is not more in the mor	Segments	Paper	Size	Genel	Concl						Recap
ConstraintGImage: Constraint of the constraint of	1. This is a lot different to the first one.			G							
Arrive prime draw a big square,FFS. probably the size of A4 format,GFFS. probably the size of A4 format,GFF7. The bottom left cornerGFF9. I want you to draw a rectangleFFF10. underneath itGFF11. and half way of the square.FFF12. If you not mean,FFF13. the width is half the squareGFF14. and the deep of this extra rectangleGFF15. at the bottom.GFF16. It's only about an eightGFF17. of one of the lengthGFF19. So I want you to draw a lineFFF20. straight across the middle of square,GFF21. so dividing it into two.GFF23. in the bottom left corner?GFF24. If you rotated it 90 degrees,GFF25. so you have a vertical rectangle.FFF26. I want you to draw oneGFF26. I want you to draw oneGFF27. at the top right of this square.GFF28. On the right hand sideGFF29. of this square,FFF30. of the is guare,FFF31. I want you to drawnot, ignore that.FR32. The line in the middleG </td <td>2. Nothing rounded,</td> <td>- 19</td> <td></td> <td>G</td> <td></td> <td></td> <td></td> <td></td> <td>1995.19</td> <td></td> <td>54.45</td>	2. Nothing rounded,	- 19		G					1995.19		54.45
The formation of the square.Image: Square of the square of t	3. all kind of plane shapes.			G		1998				228466	
DescriptionFImage: Constraint of the second	4. If you just draw a big square,		18.28			F					
Construction of the open of the square.       F       Image: Construction of the square.         10. underneath it       G       F       Image: Construction of the square.         11. and half way of the square.       F       Image: Construction of the square.       F         12. If you not mean.       F       Image: Construction of the square.       F       Image: Construction of the square.         13. the width is half the square       G       F       Image: Construction of the square.       F         14. and the deep of this extra rectangle       G       F       Image: Construction of the square.	5. probably the size of A4 format,	G		122.00							
Fraction         F         F           9.1 want you to draw a rectangle         F         F           10. underneath it         G         F         F           11. and half way of the square.         F         F         F           12. If you not mean.         F         F         F         F           13. the width is half the square         G         F         F         F           14. and the deep of this extra rectangle         G         F         F         F           15. at the bottom.         G         F         F         F         F           15. at the bottom.         G         F         F         F         F         F           16. It's only about an eight         G         F </td <td>6. a bit A4 square.</td> <td></td> <td></td> <td>19.362</td> <td></td> <td>F</td> <td></td> <td></td> <td></td> <td></td> <td></td>	6. a bit A4 square.			19.362		F					
c. or. in squareFImage: Constraint of the square10. underneath itGFImage: Constraint of the square11. and half way of the squareFImage: Constraint of the squareF12. If you not mean,FImage: Constraint of the squareF13. the width is half the squareGFImage: Constraint of the square14. and the deep of this extra rectangleGFImage: Constraint of the square15. at the bottom.GImage: Constraint of the squareImage: Constraint of the square15. at the bottom.GImage: Constraint of the squareImage: Constraint of the square15. at the bottom.GImage: Constraint of the squareImage: Constraint of the square16. It's only about an eightGImage: Constraint of the squareImage: Constraint of the square17. of one of the lengthGImage: Constraint of the squareImage: Constraint of the square18. of the square.Image: Constraint of the squareImage: Constraint of the square20. straight across the middle of square,GImage: Constraint of the square21. so dividing it into two.GImage: Constraint of the square23. in the bottom left corner?GImage: Constraint of the square24. If you rotated it 90 degrees,GImage: Constraint of the square25. so you have a vertical rectangleImage: Constraint of the squareImage: Constraint of the square26. I want you to draw oneGImage: Constraint of the squareImage: Constraint of the square	7. The bottom left corner		G	RISSIS.		40.3455					200
11. mark yet is not returned.GFG10. underneath itGF $\mathbb{R}$ 11. and half way of the square.F $\mathbb{R}$ 12. If you not mean.GF $\mathbb{R}$ 13. the width is half the squareGF $\mathbb{R}$ 14. and the deep of this extra rectangleGF $\mathbb{R}$ 15. at the bottom.G $\mathbb{R}$ $\mathbb{R}$ 16. it's only about an eightG $\mathbb{R}$ $\mathbb{R}$ 17. of one of the lengthG $\mathbb{R}$ $\mathbb{R}$ 18. of the square. $\mathbb{F}$ $\mathbb{R}$ $\mathbb{R}$ 20. straight across the middle of square,G $\mathbb{F}$ $\mathbb{R}$ 21. so dividing it into two.G $\mathbb{C}$ $\mathbb{C}$ 23. in the bottom left corner?G $\mathbb{F}$ $\mathbb{R}$ 24. If you rotated it 90 degrees,G $\mathbb{F}$ $\mathbb{C}$ 25. so you have a vertical rectangle. $\mathbb{F}$ $\mathbb{R}$ 26. I want you to draw oneG $\mathbb{F}$ $\mathbb{C}$ 27. at the top right of this square.G $\mathbb{F}$ $\mathbb{C}$ 28. On the right hand sideG $\mathbb{F}$ $\mathbb{C}$ 29. of this square. $\mathbb{F}$ $\mathbb{R}$ $\mathbb{R}$ 31. I want you to drawnot, ignore that. $\mathbb{F}$ $\mathbb{R}$ 32. The line in the middle $\mathbb{G}$ $\mathbb{F}$ $\mathbb{R}$ 33. of the square that you drew, $\mathbb{F}$ $\mathbb{R}$ 34. draw another line underneath it. $\mathbb{G}$ $\mathbb{F}$ $\mathbb{R}$ 35. The same width $\mathbb{G}$ $\mathbb{F}$ $\mathbb{R}$	8. of this square,	2257				F				LEVIE A	
10. motoritationFF11. and half way of the square.GF $\mathbb{C}$ 12. If you not mean.GF $\mathbb{C}$ 13. the width is half the squareGF $\mathbb{C}$ 14. and the deep of this extra rectangleGF $\mathbb{C}$ 15. at the bottom.G $\mathbb{C}$ $\mathbb{C}$ 16. It's only about an eightG $\mathbb{C}$ $\mathbb{C}$ 16. It's only about an eightG $\mathbb{C}$ $\mathbb{C}$ 17. of one of the lengthG $\mathbb{C}$ $\mathbb{C}$ 18. of the square. $\mathbb{C}$ $\mathbb{F}$ $\mathbb{C}$ 19. So I want you to draw a line $\mathbb{C}$ $\mathbb{F}$ $\mathbb{C}$ 20. straight across the middle of square,G $\mathbb{F}$ $\mathbb{C}$ 21. so dividing it into two. $\mathbb{C}$ $\mathbb{F}$ $\mathbb{C}$ 22. Know the rectangle that you drew $\mathbb{F}$ $\mathbb{R}$ $\mathbb{C}$ 23. in the bottom left cormer?G $\mathbb{C}$ $\mathbb{C}$ 24. If you rotated it 90 degrees, $\mathbb{C}$ $\mathbb{F}$ $\mathbb{C}$ 25. so you have a vertical rectangle. $\mathbb{F}$ $\mathbb{C}$ $\mathbb{C}$ 26. I want you to draw one $\mathbb{C}$ $\mathbb{F}$ $\mathbb{C}$ 29. of this square. $\mathbb{C}$ $\mathbb{F}$ $\mathbb{C}$ 30. of this big square, $\mathbb{C}$ $\mathbb{F}$ $\mathbb{C}$ 31. I want you to drawnot, ignore that. $\mathbb{C}$ $\mathbb{F}$ $\mathbb{C}$ 33. of the square that you drew, $\mathbb{F}$ $\mathbb{R}$ $\mathbb{C}$ 33. of the square that you drew, $\mathbb{C}$ $\mathbb{F}$ $\mathbb{C}$ 34. draw	9. I want you to draw a rectangle		6.65			F	70.00				Ly Wild
11. and num wey on the optical $C$ R12. If you not mean,Image: Construction of the squareImage: Construction of the square13. the width is half the squareImage: Construction of the squareImage: Construction of the square15. at the bottom.Image: Construction of the squareImage: Construction of the square16. it's only about an eightImage: Construction of the squareImage: Construction of the square19. so I want you to draw a lineImage: Construction of the squareImage: Construction of the square19. so I want you to draw a lineImage: Construction of the squareImage: Construction of the square19. so I want you to draw a lineImage: Construction of the squareImage: Construction of the square20. straight across the middle of square,Image: Construction of the squareImage: Construction of the square21. so dividing it into two.Image: Construction of the squareImage: Construction of the square23. in the bottom left corner?Image: Construction of the squareImage: Construction of the square23. so you have a vertical rectangle.Image: Construction of the squareImage: Construction of the square23. of the top right of this square.Image: Construction of the squareImage: Construction of the square20. of this square,Image: Construction of the squareImage: Construction of the square23. of the square, the top right of this square.Image: Construction of the squareImage: Construction of the square23. of the square, the top right of this square.Image: Construction of the squareImage:	10. underneath it		G							-0-0-2	
12. If you not mean.R13. the width is half the squareGF14. and the deep of this extra rectangleGF15. at the bottom.GF16. It's only about an eightG16. It's only about an eightG17. of one of the lengthG18. of the square.F19. So I want you to draw a line20. straight across the middle of square,G21. so dividing it into two.G22. Know the rectangle that you drewF23. in the bottom left cormer?G24. If you rotated it 90 degrees,G25. so you have a vertical rectangle.F27. at the top right of this square.G29. of this square,F30. of this big square,F31. I want you to drawnot, ignore that.F32. The line in the middleG33. of the square, that you drew,F34. draw another line, work </td <td>11. and half way of the square.</td> <td></td> <td></td> <td></td> <td></td> <td>F</td> <td></td> <td></td> <td></td> <td></td> <td>S14.3</td>	11. and half way of the square.					F					S14.3
13. the width is half the squareGFIII14. and the deep of this extra rectangleGFIII15. at the bottom.GGFIII15. at the bottom.GGIIII16. It's only about an eightGGIIII16. It's only about an eightGFIIII16. of the square.GFIIII19. So I want you to draw a lineFIIII20. straight across the middle of square,GFIII21. so dividing it into two.GGIIII22. Know the rectangle that you drewIFRIII23. in the bottom left corner?GIIIII24. If you rotated it 90 degrees,GGIIII25. so you have a vertical rectangle.IFIIII26. I want you to draw oneGGIII </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>R</td> <td></td>										R	
14. and the deep of this extra rectangleGFII15. at the bottom.GIIII16. It's only about an eightGIIII17. of one of the lengthGFIII18. of the square.FIIII19. So I want you to draw a lineFIII20. straight across the middle of square,GFII21. so dividing it into two.GIII22. Know the rectangle that you drewFRII23. in the bottom left corner?GIII24. If you rotated it 90 degrees,GFII25. so you have a vertical rectangle.FIII28. On the right of this square.GFIII29. of this square,GFIIII30. of this big square,IFIIII31. I want you to drawnot, ignore that.IFRII33. of the square that you drew,FRIIII34. draw another line underneath it.GFIII35. The same widthGIIIIIIIIII36. as the rectangle you've been drawing,IFIIIIIII <tdi< td="">II</tdi<>	13. the width is half the square		G			F			Carto Star		
15. at the bottom.GIII16. It's only about an eightGIIII17. of one of the lengthGIIII18. of the square.FIIII19. So I want you to draw a lineFIII20. straight across the middle of square,GFII21. so dividing it into two.GGII23. in the bottom left corner?GIII24. If you rotated it 90 degrees,GIII25. so you have a vertical rectangle.FIII26. I want you to draw oneGFIII27. at the top right of this square.GFIII29. of this square,GFIIII20. of this gayare,IFRIII31. I want you to drawnot, ignore that.IFRII33. of the square that you drew,IFRIII34. draw another line underneath it.GFIIIII35. The same widthGIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII <t< td=""><td></td><td></td><td>G</td><td>26.20</td><td>142.27</td><td>F</td><td>2.492</td><td>Services.</td><td>20.00.00</td><td>1440.48</td><td></td></t<>			G	26.20	142.27	F	2.492	Services.	20.00.00	1440.48	
16. It's only about an eight       G       Image: Constraint of the length       Image: Constraint of the le			G		No.	15.2414	1.1.1.1	224282	STATES I		10 6 60
17. of one of the lengthGFII18. of the square.FFIII19. So I want you to draw a lineGFIII20. straight across the middle of square,GFIII21. so dividing it into two.GGFIII22. Know the rectangle that you drewGFRIII23. in the bottom left corner?GIIIII24. If you rotated it 90 degrees,GFIIII25. so you have a vertical rectangle.FIIIII26. I want you to draw oneGFIIII29. of this square,GFIIIII30. of this big square,FIIIIII31. I want you to drawnot, ignore that.GFIIII33. of the square that you drew,FRII <td></td> <td></td> <td>G</td> <td>1249</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>102213</td> <td>12442</td>			G	1249						102213	12442
18. of the square.       F       F       F         19. So I want you to draw a line       F       F       F         20. straight across the middle of square,       G       F       F         21. so dividing it into two.       G       F       F       F         22. Know the rectangle that you drew       G       F       R       F         23. in the bottom left corner?       G       F       R       F         24. If you rotated it 90 degrees,       G       F       R       F         25. so you have a vertical rectangle.       F       F       R       F         26. I want you to draw one       G       F       F       F       F         28. On the right of this square.       G       F       F       F       F         29. of this square,       F       F       F       F       F       F       F         30. of this big square,       F       F       F       F       F       F       F         31. I want you to drawnot, ignore that.       F       R       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F			G	1722			4.6.47.05	1001273	13/25/31	63343	
19. So I want you to draw a lineFII20. straight across the middle of square,GFII21. so dividing it into two.GGII22. Know the rectangle that you drewGFRI23. in the bottom left corner?GIII24. If you rotated it 90 degrees,GIII25. so you have a vertical rectangle.FIII26. I want you to draw oneGIII27. at the top right of this square.GFII28. On the right hand sideGIII29. of this square,FIII30. of this big square,FIII31. I want you to drawnot, ignore that.FRI33. of the square that you drew,FRI34. draw another line underneath it.GFI35. The same widthGIII36. as the rectangle you've been drawing,FRI37. so it's a double line,FRI39. After you done that,GFII39. After you done that,IIIR				1000	0.6.2	F				14253	222.54
20. straight across the middle of square, 21. so dividing it into two.GFII21. so dividing it into two.GFRI22. Know the rectangle that you drewFRII23. in the bottom left corner?GIII24. If you rotated it 90 degrees,GFII25. so you have a vertical rectangle.FIII26. I want you to draw oneGFII27. at the top right of this square.GFII28. On the right hand sideGFII29. of this square,FIII30. of this big square,FIII31. I want you to drawnot, ignore that.FRI33. of the square that you drew,FRII34. draw another line underneath it.GFII36. as the rectangle you've been drawing,FRII39. After you done that,FRII39. After you done that,GFII39. After you done that,GFII						F		1946		T. S. S. S. S.	12.2.2
21. so dividing it into two.       G       F       R         22. Know the rectangle that you drew       F       R       22         23. in the bottom left corner?       G       Image: Constraint of the sequence o		18.24	G			F				14/2020	1
22. Know the rectangle that you drewFRR23. in the bottom left corner?GIII24. If you rotated it 90 degrees,GGII25. so you have a vertical rectangle.FIII26. I want you to draw oneGFIII27. at the top right of this square.GFIII29. of this square,GFIIII30. of this big square,IFIIII31. I want you to drawnot, ignore that.GFIII33. of the square that you drew,FRIII34. draw another line underneath it.GFIII35. The same widthGFIIII36. as the rectangle you've been drawing,FFRII37. so it's a double line,GFIII39. After you done that,GFIII39. After you done that,GFIII39. After you done that,GFIII39. After you done that,GFIII39. After you done that,IIIIII39. After you done that,IIIIIII31. I want you to drawnot, ignore that.GFI				G		Service and	1942-534	1.0			12.121
23. in the bottom left corner?GGIIII24. If you rotated it 90 degrees,GGIIII25. so you have a vertical rectangle.FFIII26. I want you to draw oneGFIII27. at the top right of this square.GFIII28. On the right hand sideGFIII29. of this square,GFIII30. of this big square,FIIII31. I want you to drawnot, ignore that.FIII32. The line in the middleGFIII33. of the square that you drew,FRIII34. draw another line underneath it.GFIII35. The same widthGFIIII36. as the rectangle you've been drawing,FRIII37. so it's a double line,GFIII39. After you done that,GFIII39. After you done that,IIIIII						F			R	144-181	11.055
24. If you rotated it 90 degrees,       G       Image: so you have a vertical rectangle.       F       Image: so you have a vertical rectangle.         25. so you have a vertical rectangle.       G       F       Image: so you have a vertical rectangle.       F         26. I want you to draw one       G       G       Image: so you have a vertical rectangle.       Image: so you have a vertical rect			G		0.00						Carlos and
25. so you have a vertical rectangle.FFII26. I want you to draw oneGGIII27. at the top right of this square.GFIII28. On the right hand sideGFIII29. of this square,GFIII30. of this big square,FIII31. I want you to drawnot, ignore that.FIII32. The line in the middleGFIII34. draw another line underneath it.GFIII35. The same widthGFIIII36. as the rectangle you've been drawing,FRIIII37. so it's a double line,GFIIII39. After you done that,IIIIIII39. After you done that,IIIIIIIIII39. After you done that,III <tdi< td="">IIII&lt;</tdi<>			1000	G	5.16	1000	6.5.6.3		1000		13. 32.2
26. I want you to draw oneGGIII27. at the top right of this square.GFIII28. On the right hand sideGGIII29. of this square,GFIII30. of this big square,FIIII31. I want you to drawnot, ignore that.FIII32. The line in the middleGFIII33. of the square that you drew,FRIII34. draw another line underneath it.GFIII35. The same widthGFRIII36. as the rectangle you've been drawing,FRIII37. so it's a double line,GFIII39. After you done that,GFIII39. After you done that,IIIRI			22.44		100	F		e la sel			
27. at the top right of this square.GFII28. On the right hand sideGGIII29. of this square,FIIII30. of this big square,FIIII31. I want you to drawnot, ignore that.FIII32. The line in the middleGFIII33. of the square that you drew,FRIII34. draw another line underneath it.GFIII35. The same widthGFRIII36. as the rectangle you've been drawing,FRIII37. so it's a double line,GFIII39. After you done that,GFIII39. After you done that,IIIRI				G		1.1.2		S. 5 4 5		1518.0	0.02383
28. On the right hand sideGFI29. of this square,FII30. of this big square,FII31. I want you to drawnot, ignore that.FIR32. The line in the middleGFII33. of the square that you drew,FRII34. draw another line underneath it.GFII35. The same widthGFIII36. as the rectangle you've been drawing,FRII37. so it's a double line,FFRII39. After you done that,GFIII39. After you done that,GFIII			G	1767	El Gi	F		12112		143,783	
29. of this square,FII30. of this big square,FFI31. I want you to drawnot, ignore that.FR32. The line in the middleGFI33. of the square that you drew,FR34. draw another line underneath it.GF35. The same widthGF36. as the rectangle you've been drawing,FR37. so it's a double line,FR38. parallel line underneath that.GF39. After you done that,IR			G		1009	22.0	123.6	101923	1152.1	0.000	1 march
30. of this big square,FFR31. I want you to drawnot, ignore that.GFR32. The line in the middleGFCF33. of the square that you drew,FRC34. draw another line underneath it.GFCC35. The same widthGFCC36. as the rectangle you've been drawing,FRC37. so it's a double line,FRC38. parallel line underneath that.GFC39. After you done that,CFR				10-1	Sec.	F					
31. I want you to drawnot, ignore that.       G       F       R         32. The line in the middle       G       F       C         33. of the square that you drew,       F       R       C         34. draw another line underneath it.       G       F       C         35. The same width       G       F       C       C         36. as the rectangle you've been drawing,       F       R       C         37. so it's a double line,       F       R       C         38. parallel line underneath that.       G       F       R         39. After you done that,       K       R       R					2.200	F			2.306.52		
32. The line in the middle       G       F       Image: Constraint of the square that you drew,         33. of the square that you drew,       F       R       Image: Constraint of the square that you drew,         34. draw another line underneath it.       G       F       R       Image: Constraint of the square that you drew,         35. The same width       G       F       Image: Constraint of the square that you've been drawing,       Image: Constraint of the square the squ							1000	25.35		R	
32. The fine in the indefe       F       R         33. of the square that you drew,       F       R         34. draw another line underneath it.       G       F         35. The same width       G       F         36. as the rectangle you've been drawing,       F       R         37. so it's a double line,       F       R         38. parallel line underneath that.       G       F         39. After you done that,       R       R		1210	G	510.91		F		C. 8			
34. draw another line underneath it.     G     F     Image: Constraint of the system								1.122.1	R		
37. the same width     G     Image: Constraint of the same width       36. as the rectangle you've been drawing,     F     R       37. so it's a double line,     F     Image: Constraint of the same width       38. parallel line underneath that.     G     F       39. After you done that,     Image: Constraint of the same width     R			G								
36. as the rectangle you've been drawing,     F     R       37. so it's a double line,     F     Image: Constraint of the second s											
37. so it's a double line,     F       38. parallel line underneath that.     G       39. After you done that,     R			-			F			R		
38. parallel line underneath that.   G   F     39. After you done that,   R									K		
39. After you done that, R			G								
			0			г				D	
40. on the right hand side 0			G							K	
			0			F					
41. of the square, F											
42. I want you to extend that second line, F			0			F					
43. the one further down,     G       44. extend that line     F			0			F					

			······					
45. by a third of the square.		1	F					
46. On the end of that extended line,	G		F			R		
47. I want you to draw another square,			F					
48. but this square is the same width			F					
49. as the rectangle,			F					
50. the short width of the rectangle.			F					
51. So you got like a big square			F					R
52. with the line sticking out	G		F					
53. and a little square			F					1
54. on the end of it,	G							
55. on the right hand side.	G							
56. What else is there?							R	
57. You know the right hand corner,	G				_			
58. right top corner of big square,	G		F	_	-			
59. there is a rectangle.			F					
60. At the top of the rectangle,			F					1
61. inside the rectangle,			F			1		1
62. there is a scribble.			F			+		+
63. There is a S shape,			1	s		1		1
64. a scribble,			F		1			1
65. but is actually a reverse of a S shape.		-		S				
66. If you mirror a S,	<u>↓</u>	+	+	S	-			1
	+ +		+			+	R	
67. that is what you need to draw	+	-	F			+		
68. on the top of the rectangle.	G			_				
69. The top half corner,	G		+					
70. not the top, sorry.	G		+ +					
71. If you look at the left hand side		+	F			+		
72. of the big square,	ł	-	F			+		
73. the line down there,	<u>├</u> ──		F	_		R		
74. just underneath the line you drew	G					K		
75. across the square,	G	+	F					
76. dividing into two,		G						
77. putting a cross				S				
78. just underneath that line,	G		F		_			
79. in between the two parallel lines	G		F		_			·····
80. on the left hand side.	G		+ + +					<u> </u>
81. Just do it like a cross.	<b>├</b>		╡	S		l		<b> </b>
82. If you look at the bottom half the square,	G		F	_	_			ļ
83. ignore the second line you drew.			F			R		
84. If you divide the square into three,		_	F					ļ
85. so the whole thing is in six divisions.		G						
86. Just look at the bottom left corner of those	G							
87. I'll start again.								R
88. You divide the square into half,			F					R
89. the top half and the bottom half.	G							R
90. The bottom half, divide again.	G							R
91. So draw a line,			F		1			1
92. so it becomes quarters.	G	+	++		-	+	-	1
93. In the bottom left corner,	G	-	1 1		1	+		1
94. you got a quarter of the square.		-	F			-		+
95. Divide that into three,	† <u> </u>	G	+		+		<u> </u>	+

					126			
	48		55	5	18			
100. I think it's about it.			G					
99. Again it is all horizontal lines.				F				
98. so you got thirds now.		G					R	
97. Then draw a second line,				F				
96. so you got one line there.				F			R	

### DIPLOMA YEAR session 08 - Description 01 (Architectural sketch)

	Gei	ieral D	escript	ions		tures iptions	R	eflective I	Descriptio	ns
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1. It's a free hand sketch.						S				
2. Looks like a plan.	-	201		10 Hered	16. E.S.	S		· · · · · · · · · · · ·		
3. A square.				-	F		the star			
4. Half way down the square		G			F					
5. look like a kind of corridor.						S			1.000	64-19
6. With an extra square		-		-	F				-	
7. attached on the right.		G				-		Sel Series		
8. Above the corridor	Sec. Sec.	G				S			for a second	
9. on the right,		G			-ind size					
10. along the right hand side		G	1.			-	1.1			
11. of the square			- 1969		F					
12. there is a kind of section		4.24	-		Sec.	S		14	1. 50 - 11	-
13. that is very small corridor					1.	S			-12-2	
14. with the length of the square.	124.85	1.20			F				Los mes	1000
15. In the main square					F					
16. there are also another small rectangle					F			1.0.25	1919	
17. which is to the bottom left hand,		G								
18. just off a little bit		G		1.20						
19. to the main square.					F					
20. In the central corridor						S				
21. that I described								R		
22. in the middle of the square		G			F				1000	
23. there are a lot of scribbles.					F					
			<b>B</b>		10	7				
						26				

### DIPLOMA YEAR session 08 - Description 02 (Non-Architectural sketch)

					Feat	tures		Sec. 200		
	Ger	ieral D	escripti	ions	Descr	iptions	R	eflective I	Descriptio	ns
Segments	Paper Refer	Size Posit	Genel View	Concl	Formal	Symbol	Judgme	Remem	Reflect	Recap

	-	U	1	35		
30. and then three smaller ones.		6	7	11		
29. Another tick is almost near the circle		G	F	S		
28. to the left.	G					
27. and the tick go other way,				S		
26. The second tick is much bigger				S		
25. and the tick go to the right.				S		
24. quite small	G					
23. The first tick start to the left,				S		
22. and have different sizes.	G			0		
21. All the ticks go in different directions				S		
20. on the top of them.	6			6		
19. All have like a tick	G	0		5		
18. The any other thing are ten lines.		G	F	S		
17. but more rectangular one.		G	F			
16. you got a slighter big one	G					
15. Above that pound	G			5		
14. which is full width of that.	G			S		
13. type pound shape,	G			3		
12. you got a kind of oval			r	S		
11. At the bottom of the page	0		F			
10. which is incomplete.	G	0				
		G	r		K	
8. but much smaller 9. then the other circle			F		R	
7. the full circle	G		F			
6. Top right			F			
5. A bottom quarter of the circle.	G		r			
4. with a quarter of a circle.			F F			
3. Starts in the top left	0		F			
2. but not architectural sketch of a building.	G			S		
1. It is another free hand sketch				S		

### DIPLOMA YEAR session 09 - Description 01 (Architectural sketch)

	General Descriptions				Features Descriptions		Reflective Descriptions				
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap	
1. The first sketch						S					
2. is based around a fairly small square					F						
3. about 3 inches long each side		G						1.1.1.1		102.00	
4. based in the middle		G									
5. of the sheet of paper.		G									
6. There is a horizontal line					F						
7. dividing the top and the bottom part		G			121 1553						
8. of the square,					F	12.2		Sec.	12-22		
9. so at the bottom of the square				1.5258	F	53439		52.22	3.05.7		
10. there is a vertical line		12570			F						

				56	an an an an an an an an an an an an an a	an a stration		
	2	:7	28	1		0		
52. of the main square.		1	F	1997 - 1999 - 19				
51. in the bottom left hand corner	G	1000	States Strengthe	1000		1999 B		
50. rectangle slightly smaller than the twig			F					
49. horizontally placed	G		States and the second					
48. is another one small	G			151215			-	
47. near the top	G			1200				
46. of that mains square		-	F					
45. in the bottom right hand corner	G			-				
44. 3 inches either side of the horizontal lines	Street Street		F		-			
42. Right across 43. from this small square to the big square			FF		-			
42. Right across	G		and of solar	Sec. 1				
41. of the main square.			F					
40. in the top right corner	G		and a second	1.00				
39. of the small vertical back	G							
37. each side of that square 38. is roughly the same as the width	G							
36. of the small square, 37. each side of that square			F					
36. of the small square,			F					
35. this forms the top right hand corner	G							
34. project it out about an inch		G	-					
33. of this main square			F					
32. dividing the top and bottom half	G		and a start shares				Contraction in the second	
31. If you imagine the horizontal line			F	1899				
30. and slightly below the main square.	G		F					
29. of the main square		10000	F	<b>ESON</b>				
28. in line with the left hand edge	G		F					
27. slightly longer	G				1	Continues of a		
26. is another small rectangle	more a more		F	Sec. and				
25. of that main square			F					
24. in the bottom left hand corner	G							
23. The length of three rectangles	G		F					
22. of the main square.			F					
21. in the bottom left hand corner	G							
<ul><li>19. giving a small rectangle</li><li>20. roughly equal in size to the three</li></ul>	G		Г					
18. there is one vertical line			F					
17. of the large square			F					
16. In the top right hand corner	G		F					
15. dividing roughly into three parts.		G						
14. there are two horizontal lines			F					
13. of that square			F					
12. In the bottom left hand quarter	G							
11. dividing those two halves.		G						

	Ge		escript	ions	Feat	tures iptions	R	eflective I	Descriptio	ne
Segments	Paper Refer	Size Posit		Concl	Formal	Symbol	Judgm	Remem	Reflect	Recap
. Ok here we have another fairly small sketch				and and a surface surface	12	S				
. in total its about 2 and a half inches wide		G	1012	ST2B						
. and about 4 inches tall.		G			a la serve				10.200	
. Occupying the top right hand corner		G								
. of this space			G				124/25		11.000	
. is a small circle	10.0				F-			1000	213.3	
. about two thirds of an inch		G			1.5.2.5.7					
. across maybe a quarter of an inch	15.00	G								
. across from the right hand side		G			19451.9		1000			
0. in the top of this imaginary rectangle.		G			F					
1. In the top left hand corner of this		G				1000	(2. a 2.			6 7 2
2. a quarter of a circle					F	1.1	1.1.1			
3. coming from the top left hand corner		G	123.02	1427	VER AL			120000		1997
4. coming downwards		G			PS/157	01020-30	12723			
5. and right maybe about an inch.		G			1000		1.2.2			
6. In the bottom area of the sketch		G	1992	100						
7. at most about 3 quarters an inch tall		G	500.73	100		1.1				
8. is a sort of flat oval		2.5	1.00	1000	F		1219			2
9. extending most of the width	0.075	G		1					12226721	
0. of that sort of 2 and half to three inches.		G			194394					
1. Above this		G					2.13.13			
2. is a slightly taller		G								
3. and more rectangular shape					F					
4. but with rounded corners,		G								
11 Public commences and a second second second second second second second second second second second second s		0			F					
5. then coming from these two oval shapes					-	S				
6. are a bright in a bowl					F	5				
7. a near vertical lines					F					
8. each one been a small line		G			<u>г</u>					
9. coming from the top		0				c				
0. so it makes a sort of half of a single arrow.			C			S				
1. There are 10 of these in total			G							
2. at various heights and with			G							
3. various heights			G		-					
4. is of small lines coming up					F					
5. with big lines.					F					
6. I think that's all again.	California.			G	Distance of the					
		2	4		11	3		(	)	
				and the second	a inter date	38			A State of the second	

### DIPLOMA YEAR session 09 - Description 02 (Non-Architectural sketch)

<b>DIPLOMA YEA</b>	AR session	10 - Description 01	(Architectural sketch)
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		Ver	bal Cog	gnitive A	Actions					
	Ger		escript	and Maria	Feat	tures iptions	R	eflective l	Descriptio	ns
Segments	Paper Refer	Size Posit		Concl usive	Formal	Symbol	Judgme	Remem	Reflecti	Recap
1. The thing you are going to draw is a plan.				Allenander		S				
2. Basically it is a plan.			B.C.A		181.74.21	S				
3. It's rectilinear.	3.1				F		1.3.4755	2 Sec. as is		
4. Two straight walls						S				
5. at 90 degrees angle.		G								
6. Very rough the two walls.						S				
7. One of them are two-thirds of the other.		G								
8. On the other side,		G						12812		0.000
9. this is small open.	1.55.1		01.23			S		S. States		
10. There is one large space,						S				
11. I think should be a bedroom						S				
12. or what looks like a walking						S				
13. and wardrobe.					Ten de se	S		181847		
14. On the other side of this space	12010	G								
15. there are a lots of scribbles		N. E.C.			F			1.1.1		2.1
16. but I'm not sure.	0.0.20	1.0			1.6.5		R			
17. Basically taking your drawing	12.2.4		G		100					
18. from the north,		G								
19. these walls at north and west side						S				
20. are big blocks,					0135.00	S				
21. quite thickness on the plan.						S				
						S				
22. On the other side is more open.					F					
23. There is a large space24. on the north and west,		G								
24. on the north and west, 25. which is the whole size of north wall		0				S				
						S				
26. and half size of the west wall.					1	S				
27. There is another small space,		G				5				
28. which goes on the under west,		0				S				
29. to west wall										
30. to half way to the north wall.						S				
31. That wall		-				S				
32. is then in the bottom then south.		G	-							
33. There is another space,			G							
34. which connection to that			G							
35. follows the each wall						S				
36. which is a continuation of the other room.						S				
37. Then half way down		G						4.213		
38. on the east wall,						S				
39. there is a wall						S			1129152	1978-1
40. just outside the space		G			S. Scale					
41. with a square box					F	S		4-55		
42. on the end of it.		G		1.000		1000		1.1.1.2.13	5.5-122	
43. That's all.				G		1000		TRACKS		13.75.10

15	4	24	ı
		44	

### DIPLOMA YEAR session 10 - Description 02 (Non-Architectural sketch)

	Ger	neral D	escript	ions		tures iptions	R	R R R R R R R R R R	Descriptio	ns
Segments	Paper Refer		Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1. It's not architectural drawing.						S				
2. Looks very challenger any way.				25-20			R			
3. The best way to describe	142.				10.225				R	
4. is that it's looks like a sea.	1.1				6.242	S				
5. There's a circle					F		Sec. M.		22.22	
6. in the top right-hand corner		G							1.4.4.4.4	
7. that is suppose to be a moon						S				
8. or sun.						S				
9. There is another large quarter of the circle,					F		20.2.23			
10. it's quite large	14-13	G			8120				1222.0	
11. and is the section of the circle,	1.32		1271294		F		1.1.1.2.		19 1 1 1 1	
12. which goes to the top left hand corner.	122.03	G			1253133		26.53		Real Provide State	
13. Just a quarter of the circle.					F		Ser. 1		622363	
14. Down to the bottom of the picture		G						100.172	1211122	
15. there are, I think,							6.82,72		R	
16. what must be two pounds maybe.					1000	S	578.5937			
17. Two kinds of rectangular boxes,					F	S	2.1.5		23.87 -	
18. but it are not exactly rectangles.		1.35			F		222		R	
19. Shape of a Lakeland			110.05			S		0.000		
20. with cute edges.		G			1910		2733		1.2.4.1	
21. Some sort of sticks					5.01.0	S				
22. straight sticks up						S	80.00		1.4	
23. with a line attached,		622.23			F	1000				
24. coming to the top of it		G			12000				1.1.1	
25. and angle about 60 degree		G								
26. from the horizontal		G	1000		500 50 3					
27. and about 30 degrees		G			1597	1.57 6.7				
28. with the vertical.		G								1
29. So I think						11.9			R	
30. it must be a representation of a plant.					1000	S				
31. Must be sticks in a pound.			1			S				
32. Looks like basically pounds and sticks.						SS				
				G		00				
33. They look like that.		1	1	J	7	13				

#### Verbal Cognitive Actions Features **General Descriptions Reflective Descriptions** Descriptions Segments Paper Size Genel Concl Formal Symbol Judgm Remem Reflect Recap Refer Posit View usive G 1. It's an A size format. F 2. It's a series of lines. G 3. There is no fill F 4. just straight lines, F 5. some curve lines. S 6. An imaginary scene SS 7. of reeds around the lake, S 8. over the lake. G 9. Towards the bottom of the page, G 10. for about half way down, F 11. there are two oblongs G 12. with curved corners. G 13. The top one of two G 14. is slightly bigger than the bottom one. G 15. The bottom is slightly more rounded. R 16. You got these two oblongs, S 17. which I think are lakes G 18. at the bottom of the page. G 19. The top right F 20. there is a small circle, S 21. which is probably the sun. G 22. The top left F 23. there is a quarter of the circle, 24. which is bigger than the other circle, G F R S R 25. which is the sun. G 26. It's about a quarter of the page in radius. F S 27. It's quite suit curve. S 28. Then you got the same sticks S 29. from the lake G 30. going up S 31. with the tails on it. R 32. Have you start drawing? S 33. I'll probably continue through the sticks. S R 34. You got ten sticks. G S 35. Some of them start in the bottom lake, G S 36. some start in the top lake. 37. One of them is just floating. S S 38. They got like a little stalk G 39. pointing diagonally down, G 40. even left or right G 41. from the top of it. 42. They are a straight line F 43. and then have a little stalk S G 44. coming down.

### DIPLOMA YEAR session 11 - Description 01 (Non-Architectural sketch)

		 1					
45. I'll start from the left.			<b>↓</b>	\	<u> </u>	R	
46. In the upward of the two lakes,		ļ	<b></b>	S	<u> </u>		
47. there is a small one joining	ļļ	G	ļ		<u> </u>		
48. about half way the page,	G	+			<u> </u>	1	
49. starts the left edge of the lake.	G	ļ		S	<u> </u>		
50. Goes up.	G	Ļ	ļ	_		_	L
51. It's quite short	G	Ļ			ļ		
52. and got a little stalk		<u> </u>		S	ļ		
53. and goes down	G	ļ	ļ		<u> </u>		
54. to the right of the top.	G	<u></u>			<u> </u>	<u> </u>	
55. The next one to the right,	<b>_</b>	G					
56. starts in the bottom lake		ļ		S			
57. and goes up	G						
58. and doesn't go pass the top lake.	G	ļ	l	S			
59. It goes just a little bit in the next lake	G	ļ		S			
60. and its tail goes down		L		S		1	
61. to the right.	G			1			
62. The next one to the right		G					
63. starts on bottom lake				S			
64. and goes up through the next lake	G			S			
65. and stops about the middle of the page.	G						
66. Its tail goes back to left downwards				S		1	
67. in between the last two stalks.				S	R		
68. The next one to right again		G				<u> </u>	1
69. is the same as the last one.				1	R	<u> </u>	1
70. Starts in the bottom lake,				S		1	+
71. goes up nearly to that quarter	G	1					
72, and then down to the left.	G				† <u> </u>		1
73. Then we have one to right of that,		G					
74. which is floating.				S	1	1	1
75. This one starts above the top lake	G			S	<u> </u>	1	1
76. about half way the page,	G	†		1	<u> </u>		
77. goes up	G	f	<b></b>	+	<u> </u>	+	
78. and then the tail goes down		<u>├</u>		S	<u> </u>	†	<u> </u>
79. to the right	G					1	+
80. in about middle of the page.	G	†				<u> </u>	
		G		1	<b></b>	+	+
81. Then we have one straight	G		<u> </u>	+	<u> </u>	+	╂{
82. in the centre of the page,		<u> </u>	<u>} ── }── </u>	s	<u> </u>	+	+
83. starting in the bottom lake	G		<u>                                      </u>		R	<u> </u>	╂{
84. and goes straight up.	G	<u> </u>		+		+	┼───┤
85. It doesn't go as high as the last one		<u>}</u>	┟───┼╺───╸		<b>├</b>		+
86. and its tail goes down		<u> </u>		S			┼┥
87. to the left	G						
88. towards the last one.			<u> </u>		R	+	<u> </u>
89. Then we got the next one to the right,		G	<u>}</u>	<u> </u>	┟───		<u> </u>
90. which goes from the bottom lake		<u> </u>		S	<u> </u>	<u> </u>	₋
91. all the way up,	G		ļ	<u> </u>	<u> </u>		<u> </u>
92. the same high as the floating one	G			S	<b></b>	<u> </u>	<u> </u>
93. and then down to the right.	G		ļ		L	<u> </u>	ļ
94. Its tail is quite close to the sun circle.		ļ	F	SS		ļ	
95. The next is a short one,	G				<u> </u>	[	

				130		
	6	2	10	46	12	
108. on the right of it.	G					
107. The last one is at the end of the page	G					-
106. underneath the last one.	G					
105. and its tail goes left				S		
104. to below the tail of the last one				S	R	
103. goes up	G					
102. The next one starts in the bottom oblong,				S		
101. There are two more sticks to go.		G		S		
100. going to the right.	G					
99. and its tail slightly flat				S		
98. towards the end of the last tail	G			S	R	
97. straight up	G					
96. which starts on the top lake this time,				S		

### DIPLOMA YEAR session 11 - Description 02 (Architectural sketch)

		Ver	bal Cog	nitive A	ctions	al ann a' sui				
	Ge	neral D	escript	ions		tures iptions	R	eflective I	Descriptio	ns
Segments	Paper Refer	Size Posit		Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1. We've got a very sketchy plan				1000	8.000	S				
2. of a building probably.	1.					S				
3. It's a rough square.					F				1030.23	
4. Start drawing a very sketchy square,					F	S			1.0.12	
5. nearly full the page		G			63246					Laigh-
6. but slightly to the top left.		G			20.00	1.0.76				
7. Top and left hand side		G			22.042					
8. of the square					F					
9. there's slightly more emphasis			G							
10. with few more scribble pen.					F					
11. Become a horizontally line					F					
12. crossing the centre of the square,		G			F					
13. just a straight line across.			2.1.5		F				2	223
14. If you imagine it in quarters,			G						R	
15. at the bottom left hand quarter		G					1.1.1.1			
16. there's two lines					F					
17. splitting that quarter into thirds.		G			12.34.3					
18. Each of those appears to be walls						S				
19. with double lines.		1.4			F					
20. There is single stalk	100 28					S			See 2	
21. making the bottom,		G			6.000					
22. dividing the bottom half		G								
23. of the whole square	1			2.2.6	F		- Cartala			
24. into quarters		G	1225		12.2					
25. and then goes down to the edge.		G						12.1.2.3		
26. Beyond the edge,		G					en al la la la la la la la la la la la la			
27. beyond those two bottom lines		G			F		1002			3127

28. there's actually another two lines			F			· · · · ·		ļ
29. out side the square			F				 	ļ
30. and the same size.	G							
31. The left hand side of the square	G		F					
32. extends to meet the corner	G							
33. of those two lines.			F					
34. Those two lines			F					R
35. out side of the square	G		F					R
36. are on the right hand side.	G							
37. There's a vertical			F					
38. but only join the two		G		1				
39. out side the square,	G		F					
40. doesn't join with the main square.			F					
41. There's a little square,			F					
42. a tine square at the right	G		F					
43. of the whole big square,			F					
44. in the centre.	G						†	
45. Just below the centre line about,	G	1				1		
46. with the gap about these two		G	<u> </u>					
47. of these small squares,		1	F				[	1
48. so a little square out side.		1	F					
49. The thickness of that square,			F					
50. if you imagine again,							R	
51. back across the main square,		<u>+</u>	F		-	R		
52. there is like a width probably	G					+	<u> </u>	· · · · ·
53. start away or that sort of bit,		G	<u></u> <u></u>			1		+
54. that is indicated by two lines			F			+		
55. going across the whole square		1	F		-			
56. and going out into the little square.	G	<u> </u>	F			+		+
57. There are some scribbles			F			+	ł	
58. that have been attached on top of this.	G						t	
59. On the left hand edge,	G	+			+	+		+
60. just below the centre line	G		1					
	G		<u>+</u> +	+		+	<u> </u>	
61. running horizontally,		<u> </u>		S		+		+
62. there is like an extra room,	G	<u> </u>	F			+	┣	
63. the same size of the small square.	G					+		
64. Next of that,		<u> </u>				+		<u> </u>
65. still in the bottom quarter,	G		╞──┤───		-	<u> </u>	<u> </u>	+
66. is a scribble of a backwards shape N.		┢	+	S			<u> </u>	
67. There are more sketchy scribbles			┼──┼───	S				
68. slightly to the right,	G	<u> </u>	<u>↓                                      </u>			+		ļ
69. which indicate the centre point	G	<u> </u>	<b>↓</b>				<b> </b>	<b> </b>
70. of the whole square.		ļ	F			ļ	<b> </b>	ļ
71. In the top section of the square,	G	<b> </b>	<u> </u>			<u> </u>	<b> </b>	
72. right on the right hand side,	G	<u> </u>	ļ				L	ļ
73. about the width of that small square,	G	<b> </b>	F				<u> </u>	ļ
74. which is about a eighth of the total,	G		ļ			<u> </u>		
75. there is a line			F				<u> </u>	
76. running vertically	G	ļ					<u> </u>	
77. from about an eighth	G							ļ
78. down the middle line.	G							

		1		1		t	
79. At the top	G	<u> </u>	ļ				
80. of that channel you drew before,				S	R	<u> </u>	
81. there is a backwards-S shape.				S			<u> </u>
82. Like a scribble,			F				
83. which is like when we draw insulation		ļ		S			
84. or sort like that.						R	
85. At the bottom right of the square,	G	L	F				
86. on the vertical side,	G						
87. there is extra thickness extra lines.			F				
88. A bit emphasis at the bottom right		G					
89. and the top left	G						
90. of the main square			F				
91. is also emphasis		G					1
92. where are scribbles like pen.			F				
93. In the central channel				S			
94. that runs horizontally,	G						
95. below that on the right,	G						1
96. below that channel you drew				S	R	1	1
97. in the right,	G					+	
98. there is a little small rectangle		1	F				1
99. just below the left hand line	G			_ <u>_</u>		1	1
100. of that channel,		1		S	<u>+</u> -	1	1
101. inside that channel		t		S	<u> </u>	1	+
102. but in the next channel now.		<u> </u>		S			+
103. In the right of the square,			F			+	+
104. on the central line,	G	<u> </u>			<u> </u>		+
105. there is the letter D facing down.		<u> </u>		S		+	+
106. Looks like a semi-circle			F		+	<u> </u>	
107. just out side the main square,	G	ł	F		+		+
108. like a letter D facing down.		<u> </u>		s	+	R	
109. At the bottom left of all you drew,	G				R	+	+
110. set out side of the square,	G	<u> </u>	F				
	G		F		+	1	+
111. with the left hand edge of the square	G		F		+		+
112. running down into the outside lines,		<u> </u>	F		+	+	
113. that's actually like a little line down			F		+	+	+
114. just outside of that line.			F F				
115. Between the square and the outside lines	G		r		+		
116. and that's give ends by little lips				S	<u> </u>		┿───
117. that going across horizontally	G		· · · · · · · · · · · · · · · · · · ·				
118 to make the small section wall or like this.				S			<u> </u>
119. Top line of the whole square	G	ļ	F				
120. is made about five or six deep strokes	G				-l		
121. and its little sketchy bits crossing it				S			
122. At the bottom middle	G				L		<u> </u>
123. of the main square you drew first			F		R	_	
124. there is a couple of little sketching,			F				<u> </u>
125. tine little sketching circles,			F				
126. which I think just make up corners,	G						
127. basically make that corner.	G						R
128. In the bottom left corner	G						
129. of the main square,			F				

				166		
	73		58	22	13	
139. That's about it.		G				
138. into that horizontal channel.				S		
137. and goes up	G					
136. extends about a cm on this page			F			
135. actually one of the lines	G					
134. on the right,						
133. where meeting the next quadrant	G					
132. to the right	G		1.1.1.1.1			
131. with double lines,			F			
130. where you drew those two horizontal lines			F		R	

### DIPLOMA YEAR session 12 - Description 01 (Architectural sketch)

	na) <sup>a</sup> n an Anna An Anna an Anna An Anna an Anna	Ver	bal Cog	gnitive A	Actions					
	Gei	ieral D	escript	ions	CONTRACTOR AND A CONTRACT AND A	tures iptions	R	Reflective Descriptio		ns
Segments	Paper Refer	Size Posit	The second second second	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1. I think it's a plan or some thing,						S	alienter englische			
2. but it is very sketchy.				14.24	2-1-1-1	S			1436942	
3. It's not very clear what it is.		1.2.5			a a la state		1. S. S.	200	R	
4. Basically if you draw a square					F	Section 24	112518			
5. about 6 cm by 6 cm.	in the	G				14			Strange .	
6. Have you done that?					11.5				R	
7. Draw a horizontal line					F	1	1.1.1.1.1			
8. across the middle of the page.		G	<u></u>	2.2.2.		a second		-		2.2
9. On the bottom half		G								
10. of that square you splat,	12.14	1223	14.145		F			R		1.00
11. divide that as well			G	244						
12. into half again.	1000	G			1					
13. So you should have one more rectangle				10.20	F					R
14. and two small squares.					F					
15. Then divide the bottom left square	150.62	G			F	10.000		64434		
16. into three equal sizes horizontal strips.				142.10		S	Per cela		14 3 3 3	1.342.001
17. On the top of one of those strips,	6.46	G	2.1.5	1926		S				
18. there is a cross					1. A. A. A.	S		1-1-1-S		1000
19. that should represent a lift boil	32.2.8					S				1.000
20. or some thing occupying the left		G	1		1200 200	1. 1. 1. 1. 1.				
21. about a third of that strip.	14.18	G	1.27		19.000	S		1		
22. In the right of that	12.5	G			1.00	2.50				
23. there is a horizontal line		12.12			F					
24. through the middle		G		1916						2
25. and a little scribble					F					
26. that looks like a sketch						S				
27. of a stair or something.						S				
28. On the bottom		G								
29. of the large square you drew,					F			R		
30. there is a further long line rectangle.					F					

				{	R	1	}	
31. I can't describe it.	<u> </u>	<u> </u>	ł	+	ĸ		R	
32. Hang on.		<u> </u>			<u> </u>	<u> </u>	ĸ	
33. You should have a large square	G	}	F		╂	+	}	R
34. split into two.		<u> </u>						
35. A bottom half split into two.	G		<u>}</u> -	6	+	+	+	+
36. Left half split into three strips	G		<u>↓</u>	S	+	+		
37. with these things, cross, sketches	<u>                                     </u>		<u> </u>	SS	<u> </u>		<u> </u>	<u> </u>
38. that I think represent stairs in plan.	G	<u> </u>	┨──┤────	S		<u> </u>	<u> </u>	
39. If you go to the bottom	<u> </u>	<u></u>				+	<b> </b>	
40. of your large square,			F F			<u> </u>		
41. basically draw a kind of oblong			F F		<u> </u>	+	<u> </u>	
42. tine rectangle horizontal.		┼───	r	+	<u>  </u>			
43. Starts on the left edge	G		+		+		l	
44. of the big square,			F		· · · · ·		<b>}</b>	
45. but off set on the bottom of it,	G			<u> -</u>			ļ	
46. finished just beyond half way.	G		+	+	<u>-</u>		<u> </u>	
47. I can't describe that.					R	<b> </b>	ļ	
48. The horizontal line	┣──		F	<u> </u>	<b> </b>	<u> </u>	ļ	ļ
49. that you drew across the middle		<u> </u>			<u> </u>	R	ļ	ļ
50. of the large square	┟──┟───		F	<u> </u>	<b> </b>	ļ		
51. there is a long rectangle		<u> </u>	F		ļ	ļ		ļ
52. in the right half, underneath,	G	ļ		ļ				ļ
53. in the right half of that as well.	G	ļ		ļ		ļ	 	ļ
54. I'm not sure what it represents.				ļ	ļ		R	1
55. A kind of a gap in the end,		G		ļ	ļ			
56. that kind of long tine rectangle			F					
57. occupying part of that right hand	G						L	
58. little square.			F	<u> </u>		L		
59. I don't know if it makes any sense at all.							R	
60. In the bottom of that	G	l						
61. there is a single line			F					
62. that projects				S				
63. about one and a half cm out	G							
64. of your large square			F					
65. and finishes	G							
66. with kind of a little sort		G						
67. of six or seven mm square		1	F	1	1	1		
68. on the end of it.	G	1	<u>+</u>	1	<u>+</u>		<u> </u>	1
69. Apparently if you look at your large square	┝━┉───┼━────	† –	F	<u> </u>	+	<u> </u>	<u> </u>	1
70. that you drew at the start,		1		1		R	<u>+</u>	+
71. at the top half of it,	G	┼───	<u> </u>	<u> </u>		+	<u> </u>	+
72. there is a long tine rectangle		<u> </u>	F	+	<u>+</u>	+	<u> </u>	+
	G	<u> </u>	<u>↓</u>	<del> </del>		+	<u> </u>	+
73. going vertically up	G	<u> </u>	<u> </u>	<u> </u>		+	<u>+</u>	+
74. to the right hand side of that,			<u> </u>		<u>+</u>		<u> </u>	
75. which points ticks	┝━───┤───━			S	<u> </u>	+	}	
76. about six or seven,		G	<u> </u>	╉╾───	<b> </b>	┢_───		<b> </b>
77. of the total size of the width	G		<u> </u>	<u> </u>	<b> </b>	<u>                                     </u>		<b>-</b>
78. of the square you drew initially.			F	<u> </u>	<b> </b>	R	<b> </b>	
79. At the right hand side	G	<u> </u>	ļ	·	ļ		<b> </b>	ļ
80. there is a bit of scribbles		ļ	F	ļ	ļ	ļ	<b> </b>	ļ
81. on the top of that.	G			<u> </u>	1	l	l	<u> </u>

I think it's about it.		G			
	36		27	15	14
				92	

### DIPLOMA YEAR session 12 - Description 02 (Non-Architectural sketch)

		Ver	bal Cog	nitive A	Actions					
	Gei		escript		Feat	tures iptions	R	eflective I	Descriptio	ns
Segments	Paper Refer	Size Posit	Contractory and a start of the	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1. The last description,								R		
2. the whole thing was quite sketchy,					1000	S		0.464.6	Sugar Services	
3. this is a single line.			12.24		F		Alt Startes		663	
4. This one now is still sketchy	1999				The second	S			Same	
5. but each line look very definite	(127N)		G					Real Provide	e de la composition de la comp	
6. while having rough edges.	6.34	194	G		angle dite		12.2223			
7. But looks more like 'kall'	2243				R. Standa	S			2000	
8. representation of something.	1000		G						142	
9. It looks like a sun	1		1000			S		202252	04.24	
10. in the top right hand corner of it.		G								
11. Just a circle.		h Gritte			F		2002244			
12. Below		G	1000		Sec.	Sec. Sec. A.	S. Sales		1	
13. could be a representation of trees	35.22		1. Sec. 1.	2365	1000	S	572473	10000	1.24.24.2	
14. or flowers in the vase or something.	1.00	2.0815		1000		S	STEP25			
15. Each of those is drawing as vertical lines	12523	1 March	5. CT		F	e Shiche			Selection 1	
16. with a diagonal line	120.2	1. 6. 16			F	19125	S. 22(-3)	10-24	58.883 B	
17. down from the top of it.	10/03	G	12.2		No.	1.433.77.0	120 A 100	1202020		
18. I don't have the engaged drawing accurately			G	22694	See March	11234		R. Sala	R	
19. If you put the page in portrait	G	1222	1.101	74.30	Re-Part	Alter Ser	126444	12-13 July	1400 6.02	
20. or drawing a rectangle in portrait format,	G		500.000	Prove A		6.5. S.		1000	6-10kes	Section in
21. at the bottom		G	1000	22.5		La State		and the second	al and	
22. about fifth of it,		G		42.42	S. S. Sanda	A. S. A.		Lange Com		
23. draw a rough quite long horizontal oval.		153,2			F	1.2.2.2				
24. Above that in more space,	1946.0	G	aler.	22.22	Children w					
25. draw another one		G	12260	1000	2	1.548.2				
26. but slight width		G								
27. taking a little more space.		G			2222	1.4.4.2.5	- manufactor			
28. In the top fifth of the space,		G								
29. in the top right hand corner,		G								
30. draw a circle,		0			F					
31. which is the sun or something.					<b></b>	S				
32. On the left hand side of that		G				3				
33. there is a quarter arc,		0			· F					
33. there is a quarter arc, 34. which cuts the corner of the page.			G		1					
35. Does it make sense?			0					R		
					F		D	K		
36. If you go to the ovals you just drew,		G			Г		R			
37. in the bottom one,		0	G		F					
<ul><li>38. there are six of these vertical things,</li><li>39. maybe trees or something.</li></ul>			G		F	S				

## Sketching and visual perception in conceptual design Annex V – Segments and verbal cognitive actions $\label{eq:V-Segments}$

40. Starting from the left,	G								
41. in the space,					S				
42. except the last with double arrows.					S				
43. Starting from the left,	G								
44. the first one goes up	G								
45. just below the top	G								
46. of the upper oval,				F	·				
47. and it has a down diagonal tick,					S				
48. I suppose,								R	
49. going down to the right of it.	G								
50. The next one goes up	G								
51. and finishes a short little way	G								
52. above the top oval				F					
53. and has a left diagonal				F					
54. on the end of it,	G								
55. which is longer than the previous one.	G						R		
56. The next one is vertical,				F				1	1
57. quite not actually,						1	1	R	
58. and got a slight angle	G	1						1	
59. from the bottom of it	G							1	
60. and goes left of it	G			- 1					
61. and finishes with another tick					S	<u> </u>	1	1	
62. with the similar length	G						1		
63. of the previous one.			1			1	R		
64. The next on is kind in the middle	G							t	
65. of the oval.		1		F				<b>_</b>	
66. It's not pretty vertical,				F			R		
67. and like the previous one						R	+	·	
68. it finishes about <sup>3</sup> / <sub>4</sub> way up the page.	G		- · · · ·						
69. The next one finishes not far,	G						+		
70. the middle one,	G					1		1	
71. not far below that	G								
72. and again the tick on that					S		<u> </u>		
	G						+		
73. goes to the left.	G		<u>                                     </u>	F		·			
74. The next one is vertical						+			
75. and finishes,	G	<u> </u>	<u>├</u>			<u> </u>		<u> </u>	
76. the last one was $\frac{3}{4}$	G		<u> </u>			<b> </b>	+		
77. and that is more like 7/8 way up the page	G			-+			<b> </b>		
78. and finishes just in the left	G				~	<b> </b>	<u> </u>		
79. the sun you drew					S	<b> </b>	R		
80. and the tick on that					S				
81. goes to the right of it.	G					<b> </b>	ļ		
82. The final one,	G		ļ			ļ			
83. which is big further apart from the others,	G	ļ	L						
84. goes up	G						L		
85. about half way up the page	G								
86. and the tick to the left.					S		1		
87. The ones coming from the upper oval,		G	1	F					
88. there are three of them.		G							
	G					1		1	
89. The first one starts on the extreme left							1	1	

#### G 91. So in the left R 92. of all ones you drew previously. G 93. It goes up to about, F 94. starts from near the bottom oval G 95. and goes up 96. from the bottom of that oval length, G F G F 97. double high of the oval F 98. and has tick to the right, 99. diagonal to the right. G G 100. Quite short one. G 101. The next one from the left G R 102. is between the last one G 103. on the right, F R 104. in the previous oval. 105. Starts from the middle G F 106. of the upper oval, G 107. goes up 108. about one and a half times G F 109. the size the oval S 110. and has a tick to the right. G 111. There is a final vertical one F 112. on the far right top oval, G 113. which goes to about two-thirds length the page S 114. and has a tick to the left. G 115. There is more of this vertical things, G F 116. which is not coming from nether of the ovals, 117. but kind of flying on the sky. S 118. If you look at the bottom oval F F R 119. and the vertical element you drew, G 120. look at the third and forth one G 121. to the left. G 122. It starts between those two F 123. from above the upper oval, G 124. a distance about half a width F 125. of the oval format 126. and goes up vertically G S 127. to sort of the high of the sun. G 128. The bottom S R 129. of the sun you drew before S 130. and has a tick diagonal G 131. to the right. 132. So you should have something R S R 133. that looks a sort of state F 134. with funny diagonals bits on the end, S F 135. standing in some oval. 136. But you know what it is going to be. R 77 19 32 25 153

SegmentsPaper ReferSize NewSize NewConci NeiveSymbolJudgmRememReflectRecei Netrice1. It's a picture on a portrait page.G </th <th></th> <th>Gei</th> <th>ieral D</th> <th>escript</th> <th>ions</th> <th colspan="2">Features Descriptions</th> <th colspan="4">Reflective Descriptions</th>		Gei	ieral D	escript	ions	Features Descriptions		Reflective Descriptions			
A is to prove prime pageGImage2. In the top right cornerGImage3. there is a circleFImage4. like a sun.GS5. In the left cornerGF6. there's a quarter of the circle,FImage7. but much larger.GImage8. Just the bottom right hand cornerGImage9. of the circle.FImage9. of the circle.FImage11. there are twoGImage12. very roughly drawing rectangles,FImage13. which find across the pageGImage14. Coming out of the rectanglesFImage15. there are several vertical lines.FImage16. Smaller at the sidesGImage17. and longer at the middle.GImage19. they have half arrows,GImage20. a kind of side.GImage21. There is oneGImage22. which comes from behindGImage23. the second rectangleFImage24. which is the shorter one.GImage24. which is the shorter one.GImage25. which comes from betindGImage2	Segments	Paper	Size	Genel	Concl						Recap
3. there is a circle       F       Image: Second Se	1. It's a picture on a portrait page.	G									
A. like a sun.       S       S         4. like a sun.       S       S         5. In the left corner       G       S         6. there's a quarter of the circle,       F       S         7. but much larger.       G       S       S         8. Just the bottom right hand corner       G       S       S         9. of the circle.       F       S       S         10. At the bottom of the page       G       S       S         11. there are two       G       S       S       S         12. very roughly drawing rectangles,       F       S       S       S         13. which find across the page.       G       F       S       S       S         14. Coming out of the rectangles       F       S       S       S       S       S         15. there are several vertical lines.       F       S	2. In the top right corner		G	1000					36.4.5		
G         G         F           5. In the left corner         G         F           6. there's a quarter of the circle,         F         F           7. but much larger.         G         F         F           8. Just the bottom right hand corner         G         F         F           9. of the circle.         F         F         F           10. At the bottom of the page         G         F         F           11. there are two         G         F         F         F           12. very roughly drawing rectangles,         F         F         F         F           13. which find across the page.         G         F         F         F         F           14. Coming out of the rectangles         F         F         F         F         F         F           15. there are several vertical lines.         F	3. there is a circle		1.154	6-512		F					
A. In the fore control       F       F         6. there's a quarter of the circle,       G       F         7. but much larger.       G       F         8. Just the bottom right hand corner       G       F         9. of the circle.       F       F         10. At the bottom of the page       G       F         11. there are two       G       F         12. very roughly drawing rectangles,       F       F         13. which find across the page.       G       F         14. Coming out of the rectangles       F       F         15. there are several vertical lines.       F       F         16. Smaller at the sides       G       F       F         17. and longer at the middle.       G       F       F         19. they have half arrows,       G       F       F         20. a kind of side.       G       F       F         21. There is one       G       F       F         22. which comes from behind       G       F       F         23. the second rectangle       F       F       F         24. which is the shorter one.       G       F       F       F         24. which is the shorter one.       G	4. like a sun.		800-0				S				
Generative of a part of a brack of the first of a part of a brack of the first of a part of a brack of the first of a brack of the first of a brack	5. In the left corner		G					6.4.7.44			
8. Just the bottom right hand corner       G       F       Image: Constraint of the page         9. of the circle.       F       F       Image: Constraint of the page         10. At the bottom of the page       G       F       Image: Constraint of the page         11. there are two       G       F       Image: Constraint of the page       Image: Constraint of the page         12. very roughly drawing rectangles,       F       Image: Constraint of the page       Image: Constraint of the page       Image: Constraint of the page         13. which find across the page.       G       F       Image: Constraint of the page       Image: Constraint of the page: Constraint of the page       Image: Constraint of the page: Constr	6. there's a quarter of the circle,					F					
9. of the circle.       G       F       G       F         10. At the bottom of the page       G       G       G       G       G         11. there are two       G	7. but much larger.		G					20. 23			
10. At the bottom of the page       G	8. Just the bottom right hand corner		G								
11. there are two       G       G       Image: Constraint of the page         11. there are two       G       F       Image: Constraint of the page         12. very roughly drawing rectangles,       F       Image: Constraint of the page       Image: Constraint of the page         13. which find across the page.       G       F       Image: Constraint of the page       Image: Constraint of the page         14. Coming out of the rectangles       F       Image: Constraint of the page       Image: Constrai	9. of the circle.			14		F					
11. under under two       F       F       F         12. very roughly drawing rectangles,       F       F       F         13. which find across the page.       G       F       F       F         14. Coming out of the rectangles       F       F       F       F       F         15. there are several vertical lines.       F <td>10. At the bottom of the page</td> <td></td> <td>G</td> <td></td> <td></td> <td>1000</td> <td></td> <td>122</td> <td></td> <td>Martin.</td> <td>122.23</td>	10. At the bottom of the page		G			1000		122		Martin.	122.23
12. Yely forging during rectangles,       G       Image: Constraint of the second seco	11. there are two			G				1.122.22			
14. Coming out of the rectangles       F       Image: constraint of the rectangles         15. there are several vertical lines.       F       Image: constraint of the rectangles         15. there are several vertical lines.       F       Image: constraint of the rectangles         16. Smaller at the sides       G       Image: constraint of the rectangles       Image: constraint of the rectangles         16. Smaller at the sides       G       Image: constraint of the rectangles       Image: constraint of the rectangle         17. and longer at the middle.       G       Image: constraint of the rectangle       Image: constraint of the rectangle         18. At the top of them,       G       Image: constraint of the rectangle       Image: constraint of the rectangle       Image: constraint of the rectangle         19. they have half arrows,       Image: constraint of the rectangle       G       Image: constraint of the rectangle         20. a kind of side.       G       Image: constraint of the rectangle         21. There is one       G       Image: constraint of the rectangle	12. very roughly drawing rectangles,					F					178.85
11. Consigned of the rectanged       F       F         15. there are several vertical lines.       F       F         16. Smaller at the sides       G       F       F         17. and longer at the middle.       G       F       F       F         18. At the top of them,       G       F       F       F       F         19. they have half arrows,       G       S       F	13. which find across the page.		G								
15. there are several vertical lines.       F       Image: several vertical lines.         16. Smaller at the sides       G       Image: several vertical lines.       G         16. Smaller at the sides       G       Image: several vertical lines.       Image: several vertical line	14. Coming out of the rectangles	1000		0.62		F		Conc.		2323	1
17. and longer at the middle.       G       Image: constraint of the shorter one.       G       Image: constraint of the shorter one.       Image: constraint of the sho		0 19983	1683			F		223-8	52.54	23.975	
11. At the top of them,     G     Image: Constraint of them,       18. At the top of them,     G     Image: Constraint of them,       19. they have half arrows,     Image: Constraint of them,     S       20. a kind of side.     G     Image: Constraint of them,       20. a kind of side.     G     Image: Constraint of them,       21. There is one     G     Image: Constraint of them,       22. which comes from behind     G     Image: Constraint of them,       23. the second rectangle     Image: F     Image: Constraint of them,       24. which is the shorter one.     G     Image: Constraint of them,       There are actually ten on total.     Image: Constraint of them,     Image: Constraint of them,	16. Smaller at the sides		G			1997				li senteri	
10. If the top of item,       S         19. they have half arrows,       G         20. a kind of side.       G         21. There is one       G         22. which comes from behind       G         23. the second rectangle       F         24. which is the shorter one.       G         There are actually ten on total.       G	17. and longer at the middle.	162,63	G	100				16.321			125.458
19. they have half arrows,       G       S       Image: S         20. a kind of side.       G       Image: S       Image: S         21. There is one       G       Image: S       Image: S         21. There is one       G       Image: S       Image: S         22. which comes from behind       G       Image: S       Image: S         23. the second rectangle       F       Image: S       Image: S         24. which is the shorter one.       G       Image: S       Image: S       Image: S         There are actually ten on total.       G       Image: S       Image: S       Image: S       Image: S	18. At the top of them,		G	13.152	2752				2120-22		1992
21. There is one     G     Image: Constraint of blue?       21. There is one     G     Image: Constraint of blue?       22. which comes from behind     G     Image: Constraint of blue?       23. the second rectangle     F     Image: Constraint of blue?       24. which is the shorter one.     G     Image: Constraint of blue?       There are actually ten on total.     G     Image: Constraint of blue?	19. they have half arrows,		122				S	23.044	1000 N	5.8.2.3	
22. which comes from behind     G	20. a kind of side.	1 220	G			12022		1622	Status.	612.42	
22. which comes from behind     G     Image: Comparison of the second rectangle     F     Image: Comparison of the second rectangle       23. the second rectangle     F     Image: Comparison of the second rectangle     F     Image: Comparison of the second rectangle       24. which is the shorter one.     G     Image: Comparison of the second rectangle     Image: Comparison of the second rectangle     Image: Comparison of the second rectangle       24. which is the shorter one.     G     Image: Comparison of the second rectangle     Image: Comparison of the second rectangle     Image: Comparison of the second rectangle       There are actually ten on total.     G     Image: Comparison of the second rectangle     Image: Comparison of the second rectangle     Image: Comparison of the second rectangle	21. There is one	10.50		G				1000	12.22		
23. the second rectangle     F     Image: Second rectangle       24. which is the shorter one.     G     Image: Second rectangle       There are actually ten on total.     G     Image: Second rectangle			G					ALC: N			
24. which is the shorter one.     G       There are actually ten on total.     G			198	12.45		F		1.1.2.2	23.5.10		
There are actually ten on total.			G			122-22			142131		10.24
			6.40	G							
10 / 4			1	6		7	2		(		

### DIPLOMA YEAR session 13 - Description 01 (Non-Architectural sketch)

### **DIPLOMA YEAR session 13 - Description 02 (Architectural sketch)**

	General Descriptions			ons	Features Descriptions		Reflective Descriptions			
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1. This is a sketch of a plan.						S				
2. Basically a large square in the middle.		G			F			252.20		
3. Very roughly drawing			G	2453		123 254	112.5	13652.75		
4. with a lot of lines			G		F	Researcher.	3265.0	533365		
5. in the top of each other.		G								
6. There is a line					F					
7. across the middle of it		G				100.000				

54. of the right hand side.	G						
53. which connected both of the lines			F				
52. there is a kind of shape of letter two,			17 2022	S			
51. Right to the top	G						
50. to the right hand side.	G						
49. which is quite close	G						
48. there is a vertical line,			F				
17. of the box				S			
46. On the top right hand corner	G						
45. of the box.				S			
44. to the bottom left hand corner	G.						
43. on the left hand side of it,	G						
42. with a very sketching line			F				
41. But connected with that	G						-
40. from the box.				S			
39. which is slightly spaced away		G					-
38. there's another rectangle,			F				
37. Below that	G						
36. with a couple of lines.			F				
35. are divided in half vertically	G						
34. The things at left		G					
33. with a tine line.	-		F				-
32. which is divided off	G		-				
31. In the bottom left hand corner,	G						
30. connected with the main extruded line.	G		F				
29. from the left,	G						
28. And it goes half way	G						
27. which is through the square.			F				
26. slower lower than that one	G						-
25. There is a line			F				
24. which make boxes.				S			-
23. there are a couple of crosses,				S			
22. in the middle of the square,	G		F				-
21. of the rectangle you just drew,			F		R		
20. To the left	G						
19. in the corner.							
18. They extend and pass each other	G						
17. of the top of it.	G	1.2					
16. on the blank		G					
15. Again very roughly drawing		G					
14. which is taller than width.	G						
13. there is a smaller rectangle,			F				
12. To the end of that line	G		F				
11. to the right.	G						
10. which comes out of the square,	G		F				
9. Here is a line very close to it,		12202	F	11.111	laren brezhin	1000	1.2000

DIPLOMA	YEAR session	14 - Description 01	(Architectural sketch)
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		Ver	bal Cog	nitive A	Actions					
	Gei		escript		Feat	tures iptions	Reflective Descriptions			
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1. Have you got an A4 piece of paper in front of you?	G		hadhar berritt							
2. You turn it, so it's horizontal position.		G					1.1.1	Section.		
3. Right on the centre of the piece of paper			G				Sec. 2			
4. you have to draw a very sketchy square		4		60%	F	S	23.42	246.14		
5. about eight cm by eight cm.		G	1.10		1.1.2.3		Sec. 16	Sec.		
6. Imagine the whole drawing			G	1.50		Selection .	124 54 14	14 - A - A		
7. is drawing in a grid.					1.11	S				. La Part in
8. It's kind of slightly off centre,			G		68842				Sec. Com	
9. on about three degrees.		G							Se Coral	in sures
10. Is that making sense?	246			126				Siles siz	R	
11. I'm looking at a really sketch.	- Carlos		120			S	1	122	S. Barris	Sec. Sec.
12. A sketch of a plan basically,			1000			S				
13. looks like a sketch for a plan.					N. S. A.	S	mar in		M. Last	R
14. Probably you need to draw			G		C. Aller					
15. one kind of line very solid,					F	S		1.5.7 (2)		1.1.1.1.1
16. not sketch line		8.88			F	S			1.083.4	
17. through the middle of that, horizontally.	1.1.1	G								
18. Let me think.									R	
19. It's got like little small sketchy box		12121	5.55			S				
20. on its right,		G								
21. which is about one and a half cm		G								
22. in a kind of measurement						S				
23. and about four cm		G								
24. off to the side of the original box.						S		R		
25. This small electrical on the side,						5				
						S				
26. the top of it,		-			F	5		R		
27forwards in line with the line you just drew,		6			Г			K		
28. draw the centre of it.		G							-	
29. Is that making sense?									R	
30. That's look quite sketchy as well,						S				
31. draw like four lines or five or some.			G		F				a share a	
32. Then at the very bottom		G			- Andrewsky					
33. of the main box,				-	1.2.2	S				
34. there is another like rectangle,	1.4				F					
35. which is longer than thick		G			1.					
36 and that is probably about one and a half cm high,		G	1.00		-					
37. but it extends side ways horizontally		G	1.112		1. 1. 1.					-
38. from the bottom left corner		G	1200							
39. of the main box				1.		S				
40. and extends out to the right		G								
41. by just over like half width		G		1.2.15	1.1.1.1.1.1	144843		As a second		
42. of the horizontal width		G	and the		N	1.0	Sec. Jac		1	2.445
43. of the main box.				1.1		S				
44. That's kind like the proportions of it,			G		Sugar	S			1202.003	1722 L

		 		1 1		1	 !
45. but it is kind of sat down	G						
46. off the main box		<b>↓</b>		S			
47. by one and a half cm.	G	<b> </b>					
48. Is that making sense?		<b>}+</b>			R		
49. Basically a rectangle,			F				R
50. slightly wide than the half width	G						R
51. of the main box		ļ		S			R
52. and one and a half cm high,	G					ļ	
53. it's away from the main box	G			S			R
54. by about one and a half cm.	G						
55. It starts on the bottom left hand corner	G						
56. of the main box.				S		ļ	
57. Sticking these same lines			F				
58. off the small box here.				S			
59. There is a line connecting it			F				
60. to the bottom left hand corner	G						
61. of the main box.				S			
62. If you imagine the flat kind of line			F			1	
63. you created in the main box,				S	R		
64. on the left hand side,	G						
65. just continue it down forwards	G						
66. and just draw the smaller box.				S			
67. Is that making sense?						R	
68. If you get back to main box,				S		1	R
69. in the bottom half	G						·
70. of the main box,		+		S			
71. it has been divided into two	G					1	]
72. by a kind of vertical line.		<b>†</b> -	F			<u>+</u>	
73. Is like very frame line,			F			<u> </u>	
74. is just one, single one.		G					<u> </u>
75. So it's split in half.	G						
	<b>-</b>	<u>↓</u>		├── <u>├</u>		R	
76. Is that ok? Let me see.	<del>_</del>			S			
77. In the main box,	G	<u> </u>				<u> </u>	
78. in the bottom half,		G					
79. and we are in the left section now.							
80. Is that making sense?						R	
81. That section seems to be divided		G				<u> </u>	
82. in approximately three parts.	G						
83. Imagine you drawing a sort of like		G				ļ	ļ
84. there is a thickness too.		<u> </u>		S		<u> </u>	
85. Is divided into three parts		G				<u> </u>	ļ
86. almost equal but they're not quite,						R	
87. probably near they are.						R	
88. It is been divided		G					
89. with what probably should be						R	
90. like wall or kind of like,				S			ļ
91. with two lines very close,			F				
92. very close together but separated.	G						
93. So looks like a wall.				S			
94. There are two of those		G		1 1			1
95. dividing into three.		G				1	

· · · · · · · · · · · · · · · · · · ·								
96. You got those there?		L					R	
97. Did I say that go horizontally?							R	
98. Is that all making sense?							R	
99. In the top third of that section,	G							
100. in the bottom left section	G							
101. of the main box,				S				
102. is that making sense?							R	
103. It is divided into three.		G						
104. In the top of one of those three	G							
105. is somebody's drawing				S				
106. on the left hand side,	G							
107. which again is divided	G							
108. by probably about three.	G							
109. There is somebody's drawing,				S			R	
110. a cross in one motion.				S				
111. So draw a cross				S			R	
112. taking about half of the page.	G							
113. Just a bit to the right of that,	G							
114. there are kinds of signs, but a sort of		1		S				1
115. just crossing over the centre line	G					T	1	<u> </u>
116. of the main box.				S		<u> </u>		
117. Imagine a kind of backwards N.				S				
118. starts from oh dear it's difficult.		+	<u> </u>		R	4	1	<u> </u>
119. If we were in the main box,		1		S				
120. in the bottom quarter	G	1					+	1
121. that we've been working in,		1				R		
122. in the top third of that,	G					1		
123. it starts probably along the half way line	G	<u>+</u>						
124. of that box.				S		<u>+</u>	+	
125. It's about one cm	G	1						· · · · · · · · · · · · · · · · · · ·
126. from the right hand side of it,	G	<u> </u>	<u> </u>					
127. and then you just drawing						R	1	
127. and men you just allowing		<u> </u>		s				R
129. with the top of it	G		<u> </u>				+	- <b>N</b>
	G	+					+	
130. just crossing over the centre line,		+				-	R	
131. if you didn't do it already.		G				+	K	
132. Then, just out from that,				·				
133. just below that,	G	ļ						
134. there is a single line			F	_			+	
135. stretching out.	G					<u> </u>	<u> </u>	
136. Starts from the right	G						+	<b>.</b>
137. and goes out towards the cross,	G	╞		S		<u> </u>	+	
138. quite reach it.	G	<u> </u>	ļ ļ				┢───	
139. From the centre of the cross	G	<u> </u>		S		<b> </b>		
140. there is a very shorter two cm line		ļ	F			L	ļ	
141. that starts from the centre of the cross		ļ		S		ļ	ļ	
142. and goes down to the right.	G	L						L
143. There is just a very short line crossing both			F					
144. of those two lines you should just drew.			F			R		
145. Is that making sense?							R	
146. Scrap up it, a bit very difficult.					R			

			,					
147. If you go back to the top half	G					R	1	
148. of the main box,				S				
149. to the right of that you need to draw a line	G		F					
150. that would probably be about two cm	G				-			
151. from the right side	G	1					1	
152. of the main box. Yep?				s			1	
153. Starting from the centre line	G					1		1
154. and going up	G							
155. to about one cm in the top	G							
156. of main box,				S				
157. is that making sense?							R	
158. You need to complete that rectangle			F					
159. by going it back the right hand side	G				1	1		
160. of the box.		1		s		1		1
161.1 think it's that kind of entrance or some kind.				s				1
162. So there is just a little sort of horizontal line			F					1
163. going across the right hand side,	G	<b>†</b>	<b>*</b>		1	1		+
164. no, there is a smaller horizontal line		<u> </u>	F	-	1	1	1	1
165. crossing over that right hand side	G		1 1	-				1
166. of the main box,		<u> </u>		S				1
167. in that little kind of gap		G			+			
168. in the top of the rectangle.		<u>                                     </u>	F					
						+	R	
169. Is that making sense?	G			-		+		
170. In the top half			<u> </u>	S		+		
171. of the main box,			F					
172. there is a kind of rectangle thing.		<u> </u>				+	R	
173. Have you done that?		<u> </u>	1	-				R
174. You should have just drawing a vertical thing	G		<del> </del>	-				<u> </u>
175. to the right hand side of it.			+		+	+		
176. Ok, we leave it.		<u> </u>				+	R	
177. It's not important any way.		<u> </u>	<u> </u>		R			
178. This picture is quite ridiculous.					R	+		
179. You know the little bit		G					<b>-</b>	
180. like a stalk-tail you just drew?		<u> </u>		S	<u> </u>	R		
181. Ok, that's connected to the main one,		G	ļ				ļ	
182. it's connected to the main plan,			ļ	S	ļ	-		R
183. a main plan				S		<u> </u>	Ļ	
184. what I think it is.		L			ļ		R	
185. It's connected by two horizontal lines			F					
186. that again should be							R	
187. a representation of some kind of wall				S				
188. from above.	G							
189. They basically start	G						[	
190. on the satellite box.				S				
191.On the satellite box		[		S				
192. they start from kind of half way down	G				1		1	-
193. on the left hand side	G	t	<u> </u>	+	+	1		1
194. and probably be about a kind	<u>├──</u>	<u> </u>	1 1		1	1	R	
195. remembering the early walls you drew?			<u> </u>	s	+	R	+	+
a war and a second and a second and the second and	t	ł	+	<u> </u>	1	1	Į	
196. It's probably twice	G					1		

199. goes about as far as			1	1	1		1	1		 1
Proceeding         R         R           Proceeding         S         R           201. You got like a main box.         S         R           202. divided into quarters         G         S         R           203. Imagine it divided into quarters         G         S         R           203. Imagine it divided into quarters         G         S         R           204. and got the bottom right comerc.         G         S         S           205. It extends horizontally         G         S         S         S           206. One of nose lines continues to about.         F         S         S         S           201. continues to about.         F         S         S         S         S           211. from the left hand side         G         S         <	198. It goes into the main box,					S				Ļ
201. Yougo thise a main box       S       R         201. Yougo thise a main box       S       S         202. divided into quarters       G       S         203. magine if divided into quarters       G       S         204. and got the bottom right corner.       G       S         205. It extends horizontally       G       S         206. about half way       G       S         207. of the bottom right hand quarter.       G       S         208. One of those lines       F       S         209. the top one of those lines       F       S         211. from the left hand side       G       S       S         212. of that right hand quarter.       G       F       S       S         213. where mu minibely on somecraft the kup       G       G       S       S       S         214. to the contre horizontal line       F       S	199. goes about as far as	G		<u> </u>						L
Data Section         S           202. divided into obtat say, what like a wall         S           203. Imagine it divided into quarters         G           204. and got the bottom right hand quarter.         G           205. It extends horizontally         G           206. about half way         G           207. of the bottom right hand quarter.         G           208. One of those lines continues to about,         F           209. the top one of those lines         F           201. continues to about one con away         G           211. from the left hand side         G           212. of the right hand quarter.         G           213. Ween wat hinde side or concerved at taxt op         G           214. to the centre horizontal line         F           215. of the right hand side.         G           216. In the top half of the main box,         S           217. I'll ask you to draw a kind of line         F           218. about one cm away         G           219. from the right hand side.         G           221. The top right hand side.         G           222. In the top pone,         G           223. into the table box         S           223. into the night hand side.         G           22	200. no, too complicated now.						R			
203. Imagine it divided into quarters       G       Imagine it divided into quarters       G         204. and got the bottom right corner,       G       Imagine it divided into quarters       G         205. it exceteds horizontally       G       Imagine it divided into quarters       G         205. or of those lines continues to about,       F       Imagine it divided into quarters       G         209. the top one of those lines       Imagine it divided into quarter.       G       Imagine it divided into quarter.         209. the top one of those lines       Imagine it divided into quarter.       G       Imagine it divided into quarter.         210. continues to about one cm away       G       Imagine it divided into quarter.       G       Imagine it divided into quarter.         211. from the eith hand side       G       Imagine it divided into quarter.       G       Imagine it divided into quarter.         212. of the rain box.       Imagine it divided into quarter.       G       Imagine it divided into quarter.       G         213. where the finit hand side.       G       Imagine it divided into quarter.       G       Imagine it divided into quarter.         214. to the centre horizontal line       F       Imagine it divided into quarter.       G       Imagine it divided into quarter.         215. of the rain bank side.       G       Imagine it	201. You got like a main box					S				R
204. and got the bottom right corner.       G       G       G         205. It extends horizontally       G       G       G         206. about haff way       G       G       G         207. of the bottom right hand quarter.       G       F       G         208. One of those lines continues to about,       F       G       G         209. the top one of those lines continues to about,       F       G       G         210. continues to about one cm away       G       G       G       G         211. from the left hand side       G       G       G       G       G         212. of that right hand quarter.       G	202. divided into what say, what like a wall.					S				
205. It extends horizontally       G       Image: Constraint of the second method method of the second method meth	203. Imagine it divided into quarters	G								
Cols. about haf way         C         C         C         C           207. of the bottom right hand quarter.         G         F         C         C           208. One of those lines continues to about.         F         C         C         C           208. One of those lines continues to about.         G         F         C         C           210. continues to about one cm away         G         C         C         C         C           211. from the left hand side         G         C         C         C         C         C           213. where har finated you consented ta back up         G         G         C	204. and got the bottom right corner.	G					L			
207. of the bottom right hand quarter.       G       F       Image: Construent of a book of the set of the	205. It extends horizontally	G								
208. One of those lines continues to about,       F       F         209. the top one of those lines       F       F         210. continues to about one cm away       G       F         211. from the left hand side       G       F         212. of that right hand quarter.       G       F         213. where that finited you conserted it back up       G       F         214. to the centre horizontal line       F       F         215. of the main box,       F       F         216. In the top half of the main box,       F       F         218. about one cm away       G       F       F         218. about one cm away       G       F       F         219. from the right hand side.       G       F       F         220. It here top night hand box       F       F       F         221. In the top porte,       G       F       F         222. in the top night hand side.       G       F       F         223. into top box,       F       F       F         224. from the right hand side.       G       F       F         225. there is a line that is vertical       F       F       F         226. about two and a half cm       G       F <td>206. about half way</td> <td>G</td> <td></td> <td></td> <td>ļ</td> <td></td> <td></td> <td></td> <td></td> <td></td>	206. about half way	G			ļ					
Low of the section of these lines         F         F           210. continues to about one cm away         G         F         Image: Continues to about one cm away         G           211. from the left hand side         G         Image: Continues to about one cm away         G         Image: Continues to about one cm away         G           212. of that right hand quarter.         G         Image: Continues to about one cm away         G         Image: Continues to about one cm away         G           213. where the finished you connected it hack up         G         Image: Continues to about one cm away         G         Image: Continues to about one cm away         G           215. of the main box.         Image: Continues to about one cm away         G         Image: Continues to about one cm away         G           216. In the top half of the main box,         Image: Continues to about one cm away         G         Image: Continues to about one cm away         G           217. I'll ask you to draw a kind of line         F         Image: Continues to about one cm away         G         Image: Continues to about one cm away         G           210. How one, continues to about one cm away         G         Image: Continues to about one cm away         G         Image: Continues to about one cm away         G           221. In the top one,         G         S         Image: Contines	207. of the bottom right hand quarter.	G								
Construction         Construction         Construction           211. from the left hand side         G	208. One of those lines continues to about,				F					
21. from the left hand sideGImage: state in the	209. the top one of those lines				F					
212. of that right hand quarter.       G       G       Image: Control of	210. continues to about one cm away	G								
Construction         Construction<	211. from the left hand side	G								
12.1       the base control box       F       Image: control box         21.5. of the main box,       F       S       Image: control box         21.5. of the main box,       F       S       Image: control box         21.6. In the top half of the main box,       F       S       Image: control box         21.7. I'll ask you to draw a kind of line       F       Image: control box       Image: control box         21.8. about one cm away       G       F       Image: control box       Image: control box         22.1. In the top one,       G       Image: control box       S       Image: control box         22.1. In the top one,       G       Image: control box       S       Image: control box         22.1. In the top one,       G       Image: control box       S       Image: control box         22.1. In the top one,       G       Image: control box       S       Image: control box         22.2. Inter top right hand side.       G       Image: control box       S       Image: control box         22.2. Inter top right hand side.       G       Image: control box       S       Image: control box         22.1. thro and a half control control line,       G       Image: control box       Image: control box       Image: control box       Image: control box	212. of that right hand quarter.	G								
215. of the main box.SS216. In the top half of the main box,SS217. I'll ask you to draw a kind of lineF218. about one cm awayG219. from the right hand side.G220. Have you got that line?S221. In the top one,G223. into the right hand boxS223. into the right hand boxS224. from the right hand side,G224. from the right hand side,G225. there is a line that is verticalF226. about two and a half cmG228. I thinkG229. (i's probably what can be seen in that page.230. ifty our awa a vertical line,F231. two and a half cmG232. of from the right side of that section,G233. throm the side of that section,G234. that divides the entire main box,F235. up to one cm from the topG236. of that main box.S237. the top inght akind of more,G238. and in the end of thatG239. dr have the right side of the section,G230. the one cm from the topG231. the one cm from the topG232. the neight side of that section,G233. the that extends from the horizontal lineS234. that divides the entire main box,S235. up to one cm from the topG236. of that main box.S237. there is another horizontal lineF238. and in the end of thatG241.	213. Where that finished you connected it back up		G			]				
216. In the top half of the main box, 217. I'll ask you to draw a kind of lineSSI218. about one cm awayGFII219. from the right hand side.GIII220. Have you got that line?IIII221. In the top one,GIIII222. in the top right hand boxIISII223. into teo poe,GISII224. from the right hand side,GIIII225. there is a line that is verticalIFII226. about two and a half cmGIIII228. I from the side of it.GIIII230. If you draw a vertical line,IGIII231. two and a half cmGIIIII232. out from the right side of that section,GIIII231. two and a half cmGIIIII232. out from the right side of that section,GIIII233. then that extends from the horizontal lineGIIII234. that divides the entire main box,ISIII234. that divides the entire main box,ISIII234. that divides the entire main box,IIIIII235. up to one cm f	214. to the centre horizontal line				F					
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117. I'll ask you to draw a kind of lineIIFIII218. about one cm awayGGIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	216. In the top half of the main box,					S			· · ·	
218. about one cm away       G       Image: Second second					F					
219. from the right hand side.GIIIII220. Have you got that line?GIIR221. In the top one,GSII222. in the top right hand boxISII223. into the top box,ISII224. from the right hand side,GIII225. there is a line that is verticalIFII226. about two and a half cmGIII227. out from the side of it.GIII228. I thinkIIIR229. it's probably what can be seen in that page.GII231. two and a half cmGIII232. the the right side of that section,GIII233. then that extends from the horizontal lineGIII234. that divides the entire main box,IIIII235. up to one cm from the topGIIII236. of that main box.IGIIII237. the right a kind of more,GIIII236. ado the right a kind of more,GIIII237. draw a horizontal lineGIIII236. of that main box.IIIIII237. the right a kind of more,GGIII <td></td> <td>G</td> <td></td> <td>1</td> <td></td> <td></td> <td><b>•</b></td> <td></td> <td></td> <td></td>		G		1			<b>•</b>			
220. Have you got that line? $G$		G						1		
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228. I think       G       R         229. it's probably what can be seen in that page.       G       F         230. If you draw a vertical line,       G       F         231. two and a half cm       G       F         232. out from the right side of that section,       G       F         232. out from the right side of that section,       G       F         233. then that extends from the horizontal line       G       F         234. that divides the entire main box,       S       S         235. up to one cm from the top       G       G       C         236. of that main box.       S       S       C         237. the add of that       G       F       C       C         238. and in the end of that       G       F       C       C         239. draw a horizontal line       F       C       C       C       C         240. to make the right side of the box.       S       C							1	1		
229. it's probably what can be seen in that page.       G       G         230. If you draw a vertical line,       G       F         231. two and a half cm       G       G         232. out from the right side of that section,       G       G         233. then that extends from the horizontal line       G       F         234. that divides the entire main box,       G       S         235. up to one cm from the top       G       G         236. of that main box.       S       S         237. the entire main box,       S       S         236. of that main box.       G       S         236. of that main box.       G       S         237. up to one cm from the top       G       G         238. and in the end of that       G       G         239. draw a horizontal line       F       S         240. to make the right side of the box.       S       S         241. There is another horizontal line       F       G         242. about two and a half cm       G       G       G         243. below that,       G       G       G       G         244. a kind of like cuts off a little room,       S       S       G       G         245. a little box		~				<u> </u>			R	
220. If you draw a vertical line,FF230. If you draw a vertical line,GFImage: Constraint of the section,F231. two and a half cmGFImage: Constraint of the section,FImage: Constraint of the section,232. out from the right side of that section,GFImage: Constraint of the section,F233. then that extends from the horizontal lineGFImage: Constraint of the section,F234. that divides the entire main box,SSImage: Constraint of the section,S235. up to one cm from the topGImage: Constraint of the section,SImage: Constraint of the section,236. of that main box.Image: Constraint of the section,GImage: Constraint of the section,Image: Constraint of the section,236. of that main box.Image: Constraint of the section,GImage: Constraint of the section,Image: Constraint of the section,237. the that continues into the right a kind of more,GImage: Constraint of the section,Image: Constraint of the section,239. draw a horizontal lineImage: Constraint of the section,Image: Constraint of the section,Image: Constraint of the section,Image: Constraint of the section,241. There is another horizontal lineImage: Constraint of the section,Image: Constraint of the section,Image: Constraint of the section,243. below that,Image: Constraint of the section,Image: Constraint of the section,Image: Constraint of the section,Image: Constraint of the section,244. a kind of l			-	G						
200. If you draw a verticed miley       G       G       G         231. two and a half cm       G       G       G       G         232. out from the right side of that section,       G       F       G       G         233. then that extends from the horizontal line       G       F       G       G       G         234. that divides the entire main box,       G       S       G			+		F					
232. out from the right side of that section,GGFImage: Constraint of the constraint of		G				-				
222. Out this interfight side of this detection,       G       F				+				+		
234. that divides the entire main box,GS235. up to one cm from the topGS236. of that main box.SS237. the that continues into the right a kind of more,GS238. and in the end of thatGS239. draw a horizontal lineFS240. to make the right side of the box.SS241. There is another horizontal lineFS242. about two and a half cmGS243. below that,GS244. a kind of like cuts off a little room,SS245. a little box.SS246. a kind of rectangleFS247. that has been created there.GI									<u>.</u>	
235. up to one cm from the top       G       S       S         236. of that main box.       G       S       S         237 hen that continues into the right a kind of more,       G       S       S         238. and in the end of that       G       S       S       S         239. draw a horizontal line       F       S       S       S         240. to make the right side of the box.       S       S       S       S         241. There is another horizontal line       F       S       S       S         242. about two and a half cm       G       S       S       S       S         243. below that,       G       S       S       S       S       S         244. a kind of like cuts off a little room,       S       S       S       S       S       S         245. a little box,       S		<u> </u>			F			+		
236. of that main box.       G       S       Image: Construct of the start of the start of the right a kind of more,       G       Image: Construct of the start of						S				<u> </u>
23Then that continues into the right a kind of more,GGI238. and in the end of thatGIII239. draw a horizontal lineFIII240. to make the right side of the box.SII241. There is another horizontal lineFII242. about two and a half cmGII243. below that,GII244. a kind of like cuts off a little room,SI245. a little box,IFI246. a kind of rectangleFI247. that has been created there.GI		G					<b> </b>			
237 then that contails into the right a kind of model,       G       Image: Contail Contail Contails into the right a kind of model,         238. and in the end of that       G       F       Image: Contail Contail Contail Contails into the right a kind of the box.         239. draw a horizontal line       F       Image: Contail Co	236. of that main box.					S	ļ			
239. draw a horizontal line       F       Image: constraint of the box.         240. to make the right side of the box.       S       S         241. There is another horizontal line       F       Image: constraint of the box.         242. about two and a half cm       G       Image: constraint of the box.         243. below that,       G       Image: constraint of the box.         244. a kind of like cuts off a little room,       S       Image: constraint of the box.         245. a little box,       Image: constraint of the box.       S         246. a kind of rectangle       F       Image: constraint of the box.         247. that has been created there.       G       Image: constraint of the box.	23Then that continues into the right a kind of more,		G				<b>_</b>			
240. to make the right side of the box.       S       S         241. There is another horizontal line       F       S         242. about two and a half cm       G       S       S         243. below that,       G       S       S         244. a kind of like cuts off a little room,       S       S       S         245. a little box,       S       S       S       S         246. a kind of rectangle       G       F       S       S         247. that has been created there.       G       S       S       S	238. and in the end of that	G	ļ			<u> </u>	ļ	<u> </u>		ļ
241. There is another horizontal line       F       Image: constraint of the second se	239. draw a horizontal line			<b>_</b>	F	ļ	L	L		
242. about two and a half cm       G       Image: Constraint of the cuts off a little room, image: Constraint of the cuts off a little	240. to make the right side of the box.		ļ	<u> </u>		S	ļ			ļ
243. below that,     G     G     G       244. a kind of like cuts off a little room,     S     G       245. a little box,     S     G       246. a kind of rectangle     F     G       247. that has been created there.     G     G	241. There is another horizontal line		<u> </u>		F					
244. a kind of like cuts off a little room,     S       245. a little box,     S       246. a kind of rectangle     F       247. that has been created there.     G	242. about two and a half cm	G								
245. a little box,     S       246. a kind of rectangle     F       247. that has been created there.     G	243. below that,	G								
246. a kind of rectangle     F       247. that has been created there.     G	244. a kind of like cuts off a little room,					S				
247. that has been created there.	245. a little box,					S				
247. that has been created there.	246. a kind of rectangle				F	1				
	247. that has been created there.		G		]	1	1			1
	248. And there are just a width ness signs					S	1	1		1

				302			
	1	30	41	76	5	5	
271. that comes from the satellite box.				S	Accession in the second second second second second second second second second second second second second se		
270. drawing join that line			F				
269. There is vertical line			F				
268. Is that making sense?						R	
267. by about three or four cm.	G						
266. of the main box				S			
265. into the bottom right quarter	G						
264. That line extends horizontally			F				
263. We want the bottom line of that.	G						
262. Take the top one of those three.	G						
261. divided into three bits.	G						
260. take the box in the bottom left quarter,	G			S			
259. Take the main one, the main box,			F				
258. one more thing really.		G					
257. There are just two more things,		G					
256. from the satellite box.				S			
255. to the two lines you should have drawn			F				R
254. and running up	G						
253. of the main box				S			
252. continues down into the bottom half	G						
251. the left line that you drew,			F		R		
250 If you imagine that kind of rectangle you just drew,			F		R		
249. on the middle of it.	G						

### DIPLOMA YEAR session 14 - Description 02 (Non-Architectural sketch)

	General Descriptions				Features Descriptions		Reflective Descriptions			
Segments	Paper Refer	Size Posit	100.00 APRIL 102	Concl usive	Formal	Symbol	Judgme	Remem	Reflect	Recap
1. I'll just describe it first.									R	Aller Blocker
2. I'm looking at a kind of selection of horizontal,			G							
3. sorry a selection of vertical arrows.					1.20	S				
4. Just draw a kind of one main line		8.4.2	-	2764	F	ist, teal	1.	1224		
5. and two lines even happen.					F	2.12				
6. Imagine taking away one half			G		maria	allowing the				
7. of the end of the arrow,						S				
8. just one diagonal at the end.					F	-				
9. I'm looking at a selection of those		4	G							
10. at different highs			G							
11. and with different lengths			G					0-2-2-22		
12. from the end of it.		G				1. A-1935			-	
13. Horizontally pointing upwards,		G								
14. but there are slightly angles as well.		G								
15. It looks like a sort of selection			G			19				
16. of reeds or something like.		1				S				
17. Selection of kind of reeds			- i		La Salar	S				R

		·····				· · ·				
18. by a kind of lakes						S				
19. or something at night,						S				
20. but a very abstraction of it.						S				
21. In the top left hand corner of it		G								
22. there is a sort of a quarter of a circle.					F					
23. Is that making sense?									R	
24. A line that is a quarter of the circle,					F					
25 that looks like representing a moon or something.						S				
26. There is also another complete circle as well,					F					
27. on the page but up on the right.		G								
28. There is a kind of a couple of ornate						S				
29. on the bottom of the page.		G								
30. So that's all on the picture		1		G						
31. but I'll try to put in a kind of order.									R	
32. So all the things are						1				R
33. There is a selection of those arrows things.		[				S				R
34. There are ten of those.			G							
35. There is circle,		<u> </u>			F	1				R
36. there is a quarter of the circle		1	1	İ	F		1			R
37. and there are two ornate things as well.						S				R
38. I think it's a photocopy							1		R	
39. or scanner of a A4 sheet of paper.	G					1				
40. Basically it's a line drawing					F	1	††			
41. but I can see a kind of shadow			+			s	+			
42. of the A4 piece of paper.	G	<u> </u>								
43. Make a kind of invisible A4 sheet of paper	G					<u> </u>	+			
44. in the centre of your sheet.		G							······································	
45. We are talking about this thing		<u> </u>	G			<u> </u>				
46. being about eight cm wide		G				<u> </u>	++			
47. by thirteen or fourteen cm high.		G								
48. Is that making sense?		<u> </u>							R	
			G							
49. That's the page. 50. From the circle or the sun,		}	†		F	S				
		G	<u> </u>			<u> </u>				
51. is one in the top right hand corner,		G								
52. up from the right		G				+	+			
53. by about one cm down from the top										
54. by about one and a half cm		G								
55. and it is about three cm in radius.		G	<u> </u>							
56. No three cm across,									<u>R</u>	
57. diameter isn't it?			<b> </b>						R	
58. Yes, sorry three cm diameter.		<b> </b>	<b> </b>			<u> </u>			<u>R</u>	
59. Then a quarter of the circle					F	ļ				
60. Is in the left corner		G								
61. and that would be in radius,			ļ						<u> </u>	ļ
62. probably about something like five cm,	·····	G		ļ						
63. but if you imagine it starting one cm		G	ļ							
64. from the left side		G								L
65. and finishing one cm from the top.		G	L							
66. Taking those two points		G								
67. and it's about five cm radius.		G								
68. Is that making sense?									R	

## Sketching and visual perception in conceptual design Annex V – Segments and verbal cognitive actions $\label{eq:V-Segments}$

69. Ok, let's try this way.						R			
70. If you take a point				F					
71. from the top left hand corner,	G								1
72. one cm from the left	G								1
73. and one cm from the top.	G					1	1		1
74. Imagine drawing a quarter of a circle		1	1	F					
75. with five cm radius.	G	1					1		1
76. Is that making sense?						1		R	<u></u>
77. If you have like a par of compasses					S				1
78. and you took the point				F			1		
79. one cm from each side,	G								
80. is the point where you stick the sharp		1			S	ļ			1
81. and draw a quarter of circle,				F	1	1	1		
82. so five cm out.	G	1			1	1			R
83. Then we'll go to those two little bits.		G					· · · ·		
84. They are sort of like free hand rectangular ovals.		-	1	F					
85. Is that making sense?			1					R	
86. There is a smaller one	G		+			· · ··			
87. that goes about four cm in high	G	+		• • • • ·	1		· · · · · · ·		
87. that goes about four chi in high 88. and sits about one cm	G								<u> </u>
	G	+							
89. on the bottom of the page	G				+····				
90. and about one and a half cm		+			+			<u>.</u>	
91. in from each side of the page.	G								
92. And just draw that kind of free hand oval thing.		+	+	F		ļ			
93. Is that making sense?						<u> </u>		R	
94. Have you done that?								R	
95. Above that	G								····-
96. there is another one of those,	G		-						
97. one cm up of the last one	G		ļ						
98. but slightly more angular	G								
99. and slightly bigger as well.	G								
100. So just draw another one of those	G								
101. but slightly angular and rectangular	G								
102. and slightly larger	G								
103. above it.	G								
104. That's all, I think.			G	1					
105. Except that we got a small piece								R	
106. of artistic interpretation.					S	1			1
107. There are ten of them.		G							<u> </u>
108. None of them overlap basically.		G				1			
109. The thing is that six of them		G	+			<u>†                                    </u>			<u>├</u> ────┤
110. start in the lower rectangle,		+	1	 F					<u>  </u>
111. in the lower kind of rectangular box		+		F	s	<u> </u>	<u>+</u>		<u> </u>
112. and scratch up towards its kind of moon	<u> </u>	1		•	s	<u> </u>			<u> </u>
113. at the top,	G	+			†	+	+		+
113. at different lengths.	├── <u>├</u> -Ŭ	G				<u></u>			+
115. There are six of those		G				<b> </b>			+
		G	+		+				+
116. and the central three					+	<u> </u>			+
117. extend up really quite up the page.	G				+				+
118. Almost reach that line		┼──		F	+	<b> </b>	+		<u>+</u>
119. and the two spheres			I		S	<u> </u>	L	<u></u>	<u></u>

## Sketching and visual perception in conceptual design Annex V – Segments and verbal cognitive actions $% \left( \frac{1}{2} \right) = 0$

	 	t			<u> </u>				 
120. in the top.	G	ļ							
121. They are like missing about one cm,	G	<u> </u>			<del></del>			ļ	
122. the central three of them.		G					<u> </u>		
123. Two go to the left		G							
124. and one goes to the right,		G						ļ	
125. the arrowhead in the top.		ļ			S			ļ	
126. There is one to the right of those,		G					·····	ļ	
127. on the far right of the rectangle				7					
128. and with the arrow		ļ			S				
129. going to the left,	G								
130. but not nearly at all.							_	R	
131. There is one on the far left	G								
132. of that lower box,					S				
133. that's short one and,	G								
134. if you imagine you drawing a vertical line			1	<u>.</u>					
135. that is not even								R	
136. go beyond the rectangle above it	G								
137. and the arrow to the right.		-			S				
138. One more just to the right of that,		G							
139. that goes up above the rectangle,				3					
140. the second rectangle		1		7			R		
141. and has a very long arrow					S			1	
142. that goes to the left.	G		<u>† – – – – – – – – – – – – – – – – – – –</u>						<u></u>
142. that goes to the reft.		1			S				
144. that start in the rectangle above.	G		<u> </u>	F					
145. One is one that in the right to far left									<del> </del>
145. One is one that in the right to fai fert 146. and just misses the previous you drew							R		
		+	++		s				
147. and the arrows go to the right	G	+	+						<u> </u>
148. and it's about six cm long maybe.	G	+						<u> </u>	
149. There is one in between the two			+		S				+
150. furthers right arrows	G	+							
151. that start up in the bottom section.			<u> </u>		S			+	<u> </u>
152. And that arrow goes to the right			+		<u> </u>				
153. and goes maybe about seven cm.	G		+						
154. There is a far right arrow as well					S				<u> </u>
155. in the bottom section	G		<u>}</u>					<u> </u>	
156. about eight cm high	G	<u> </u>	+						
157. and the arrow go to the left.	ļ		<u> </u>		S				<u></u>
158. There is one more		G	<u> </u>			ļ			
159. and that one starts probably about two cm up	G		ļ						
160. from the top of the main rectangle box				F	S				ļ
161. and sits between the two of the arrows		ļ			S				
162. that start in the first one	G								
163. that we were looking out.							R		
164. It sits between the imaginary corner	G								
165. of the left hand side	G								
166. of first rectangle,				F					
167. just between the third and the forth one.	G						<u> </u>	1	1
168. It extends up about one cm away	G								
169. from the quarter of circle		1		F				1	1
170. and the arrow goes to the right.					S			+	1
	•			11		1	L	4	

171. That's it.		G	brok a steb	
	93	28	33	28
			182	

### DIPLOMA YEAR session 15 - Description 01 (Non-Architectural sketch)

		Ver	bal Cog	nitive A		tures	3			-
	General Descriptions				Descriptions		Reflective Descriptions			
Segments	Paper Refer	Size Posit	Gener View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Reca
1. There are two large horizontal shapes			G		F					
2. at the bottom of the page.		G	417.3							
3. One above the other.		G			17-21-51					
4. At the top		G				12.4				
5. there is a circle,					F					
6. at the top right.		G								
7. The top left		G								
8. there is a quarter of the circle		3.463			F					
9. with bottom right being visible.		G								
10. Is that made sense?	-		222		1.5.8			R		
11. From the lower one		G					11.24			
12. of the two shapes			G					1100		
13. in the bottom,		G								
14. there are six vertical lines					F			123.54		
15. growing up.					2 abres	S				
16. Not all way,		G	1.11	1000						
17. but to different highs.			G				1.12.2			
18. One of this gets to the circle high		0.411			F					
19. and then go down,		G	1223		S. Sec. 1					
20. then taking down		G		1.5.37	1.16	0.000	1.11			
21. a much smaller degree		G			100		1.			
22. at a slight angle.		G			1.1	200		200		
23. So like up side down tick,	19.00	100	128			S				
24. very small in the page.		G		1000						
25. From the upper shape		G								
26. there are three vertical lines,					F					
27. all with this up side down tick aspect.						S				
			G							
28. There is one coming up		G								
29. above this shape,		G								R
30. above.		0		G						K
I think that's it.		1. 	1		-	2	Star Starting			1
			22		6	3	The Week and	6-1	2	

		Ver	bal Cog	mitive A	Actions					
	General Descriptions				Fea	tures iptions	Reflective Descriptions			
Segments	Paper Refer	Size Posit	Genel View	Concl usive	Formal	Symbol	Judgm	Remem	Reflect	Recap
1. The second one is a large box square.					F	S				
2. Is like a plan of the building,	3135	1:2.X				S				35.3
3. which is finished square.					F					
4. The top on that,		G								
5. lines are very slight ticker.	1920					S				
6. Horizontally through the middle,		G								
7. you have this kind of corridor						S				
8. runs of each vertical lines		1942.00			F	S.O.S				
9. of the plan,	2.787	16.22	1001		1232/112	S	bin (eze			
10. creating a top half and a bottom half.	162156	G								
11. On the top half,		G							1000	1.20
12. this rectangle now created,		1.122			F					
13. has through its right		G	1 TA					820.238	1.28-1	12.20
14. a further compartment,	1.48.39	2 8.2			26717	S				
15. which is a corner of rectangle.		FN 235			F	1.15				
16. So it's a oblong stretch	No.				F				1235013	
17. on its right hand side.		G				1.12.20		1.5363 31	1923	
18. Coming from the middle corridor						S	157 50 10	00.000	12.2.2.1	1.5.10
19. there is a small strip,		2.022				S			13. 6. 8	
20. just out of the square,		0.333	1000	\$5.8%	F		4512-3	Me have		1215-22
21. continuing for maybe a quarter of the length		G					1.010	201900		
22. of the actual square.					F		10.2223	1986-928	1.232	and s
23. Just out, very far.		G				20128	2.007	1.000	18.300	
24. Further to that there is another square.				1200	F	2263	126-25	RSC 44	31.975	
25. It's a large square	Sec.	100			F	13082		100000		
26. but still forget that, it's indescridibble.		3.4.8.8	11111			No.	R	85.539		
27. It's a square,		2438	1000		F					
28. which is about the same width		G		0.00						
29. as the corridor,					0.001252	S	1			
30. coming out the same length		G			1949.53			0.000		
31. of the corridor,					12.2250	S		201.00		
32. of the square.					F	5				
					F					
<ul><li>33. To the bottom of the big square,</li><li>34. there is a well draw a line</li></ul>					F					
35. from the actual corridor					-	S				
		G			F	5				
36. on the bottom half of the square.		0			F					
37. Draw a line		G			1	S				
38. from the middle of the corridor		G			F	5				
39. down to the bottom horizontal line		0			F F					
40. of the square.		C			г					
41. Continue this for another half		G			F					
42. or another quarter.					F					
43. The same distance as the bit,			0							
44. just up the corridor before.	1		G				1.1.1			

### DIPLOMA YEAR session 15 - Description 02 (Architectural sketch)

	56								
	1	9		21	15	1			
52. That's ok.			G						
51. so they both meet.		G							
50. from the left hand wall down,				1.01	S				
49. towards your left and then coming	G			8.213.11					
48. So from that, just draw a line down				F					
47. just out of the big square.	G			F					
46. another compartment,					S				
45. From the right-hand wall,		1.00			S				



Drawings from the description task

#### 1 - FIRST YEAR GROUP - Drawings from Description Task

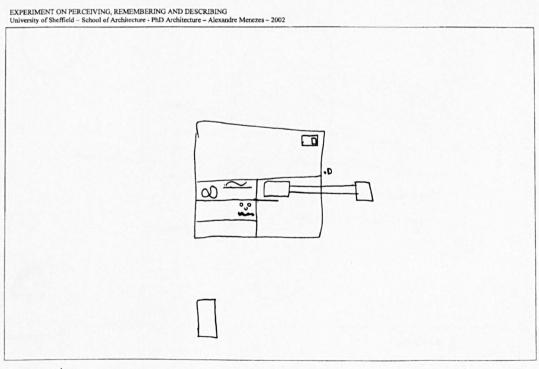
#### FIRST YEAR GROUP/Session 01 - Description 1: Non-Architectural sketch

		С
		$\bigcap$

Experiment nº 1

Description nº 1

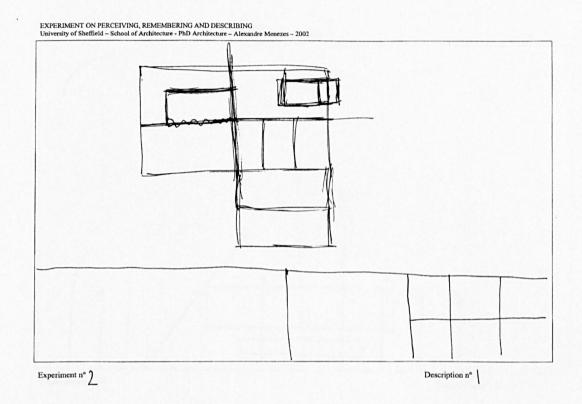
### FIRST YEAR GROUP /Session 01 - Description 2: Architectural sketch



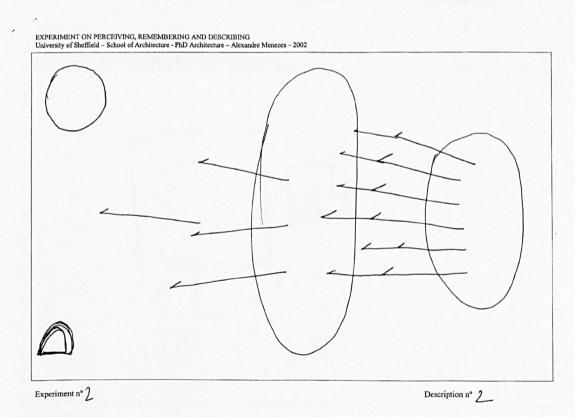
Experiment nº |

Description nº 2

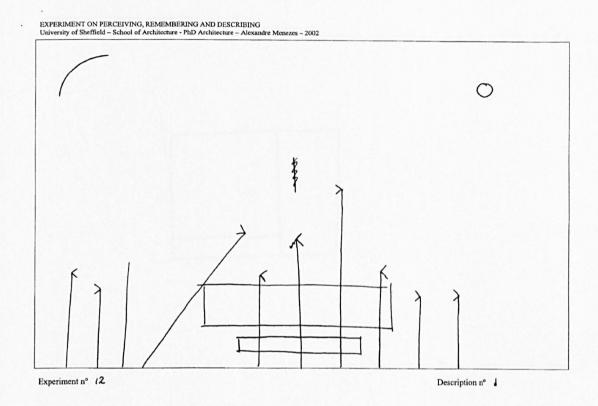
### FIRST YEAR GROUP /Session 02 - Description 1: Architectural sketch



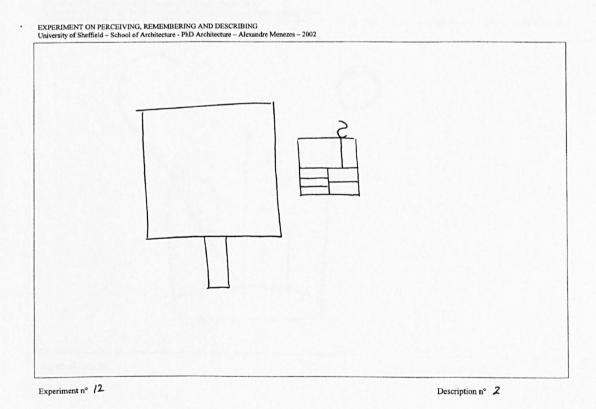
#### FIRST YEAR GROUP/ Session 02 - Description 2: Non-Architectural sketch



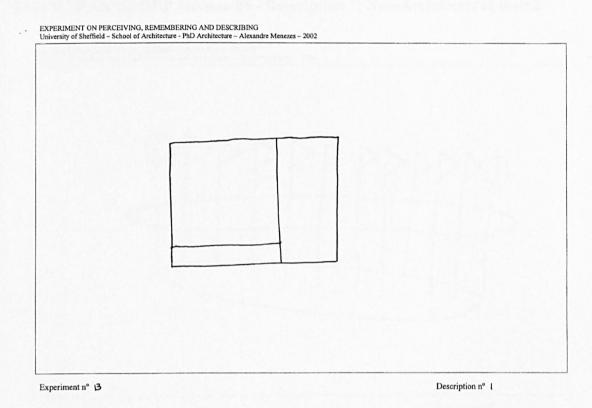
## FIRST YEAR GROUP /Session 03 - Description 1: Non-Architectural sketch



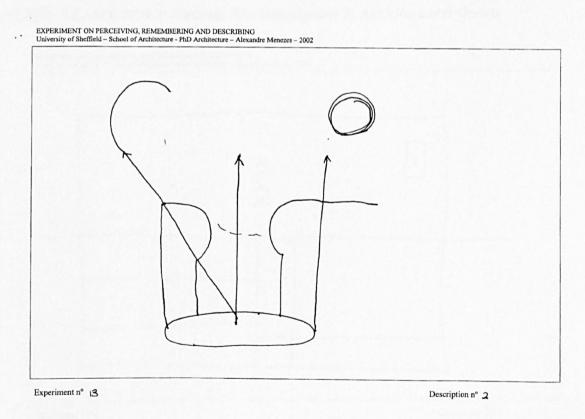
### FIRST YEAR GROUP /Session 03 - Description 2: Architectural sketch



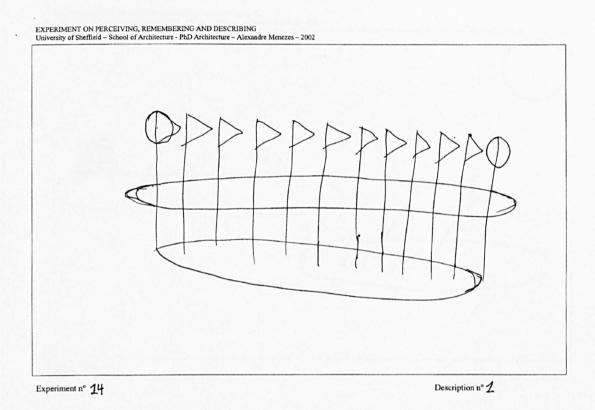
### FIRST YEAR GROUP /Session 04 - Description 1: Architectural sketch



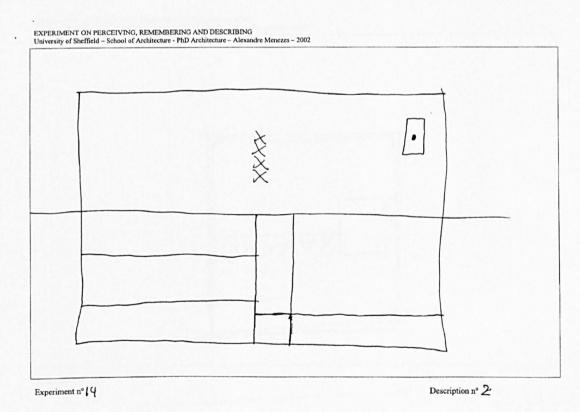
### FIRST YEAR GROUP /Session 04 - Description 2: Non-Architectural sketch



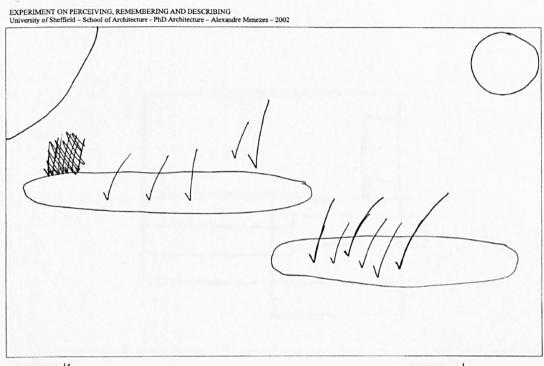
## FIRST YEAR GROUP /Session 05 - Description 1: Non-Architectural sketch



## FIRST YEAR GROUP /Session 05 - Description 2: Architectural sketch



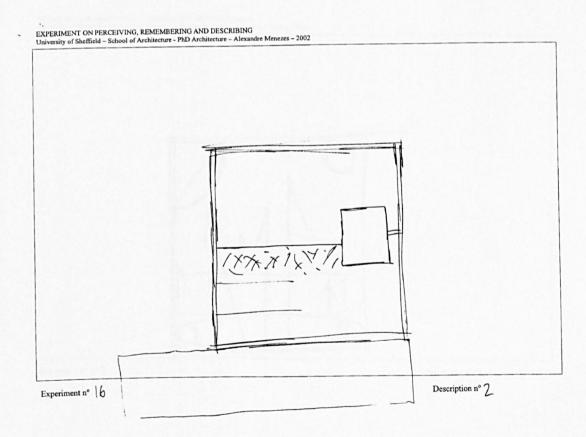
# FIRST YEAR GROUP /Session 06 - Description 1: Non-Architectural sketch



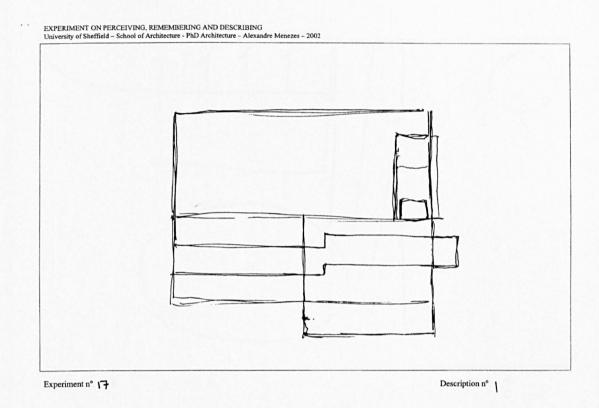
#### Experiment nº 16

Description nº

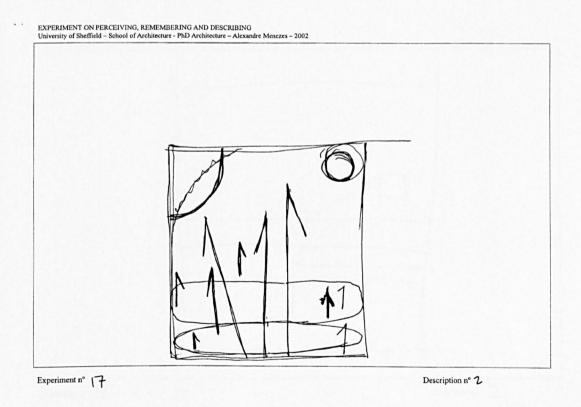
# FIRST YEAR GROUP /Session 06 - Description 2: Architectural sketch



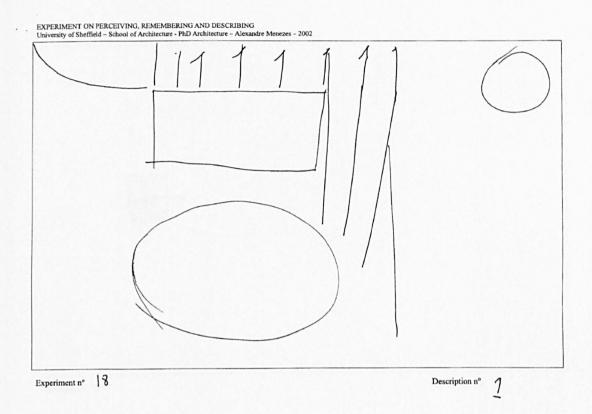
# FIRST YEAR GROUP /Session 07 - Description 1: Architectural sketch



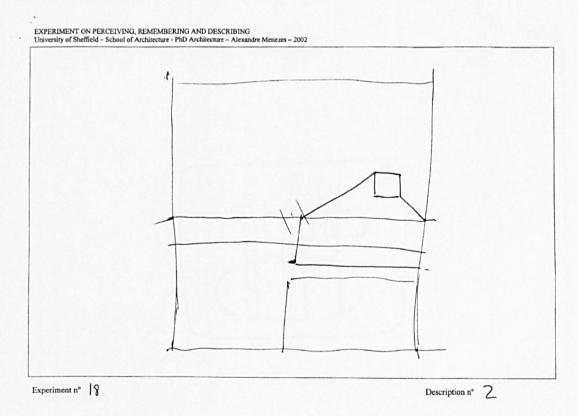
## FIRST YEAR GROUP /Session 07 - Description 1: Non-Architectural sketch



#### FIRST YEAR GROUP /Session 08 - Description 1: Non-Architectural sketch



# FIRST YEAR GROUP /Session 08 - Description 2: Architectural sketch



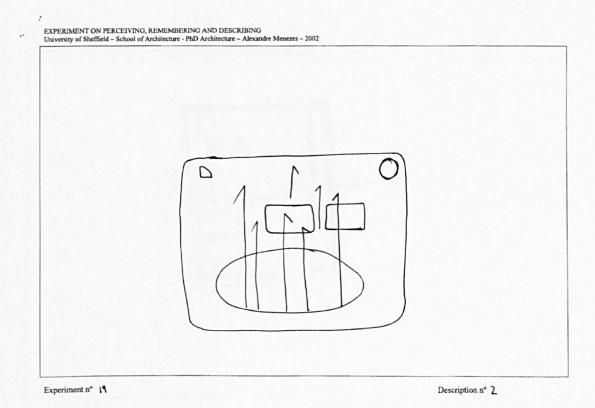
## FIRST YEAR GROUP /Session 09 - Description 1: Architectural sketch

niversity of Sheffield – Sc	hool of Architecture - Pl	NG AND DESCRIBING ID Architecture – Alexandre M	enezes - 2002	

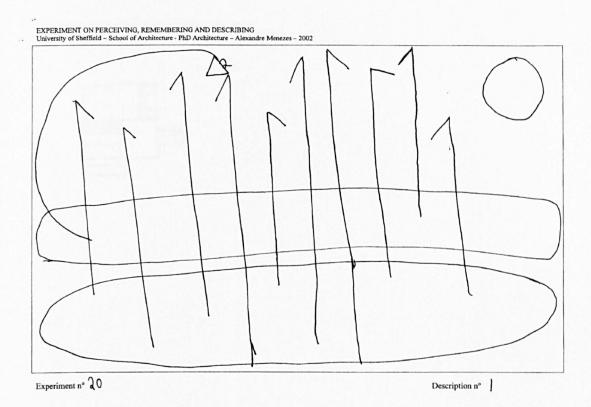
Experiment nº 19

Description nº 1

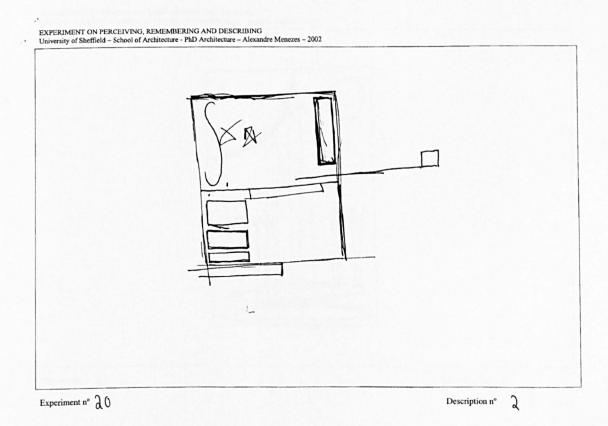
# FIRST YEAR GROUP /Session 09 - Description 2: Non-Architectural sketch



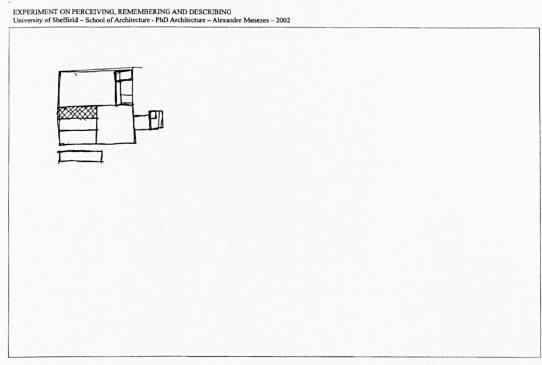
## FIRST YEAR GROUP /Session 10 - Description 1: Non-Architectural sketch



### FIRST YEAR GROUP /Session 10 - Description 2: Architectural sketch



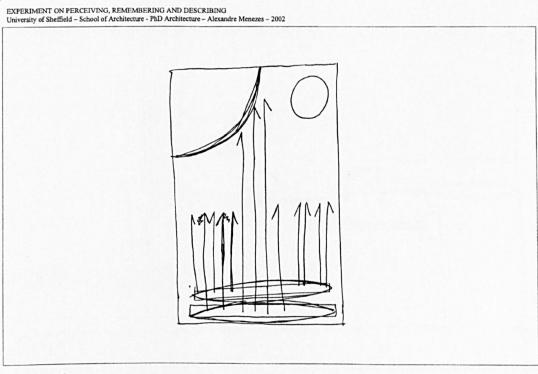
## FIRST YEAR GROUP /Session 11 - Description 1: Architectural sketch



Experiment nº 21

Description nº

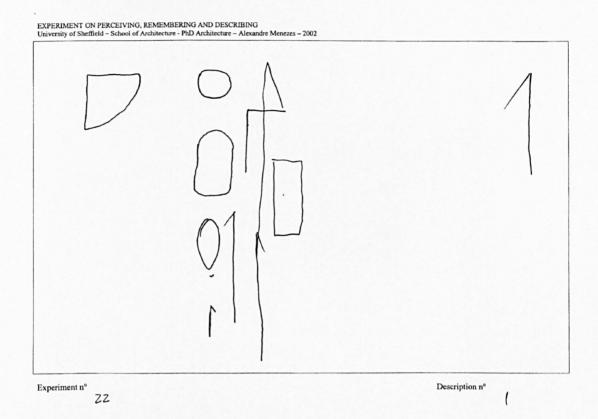
# FIRST YEAR GROUP /Session 11 - Description 2: Non-Architectural sketch



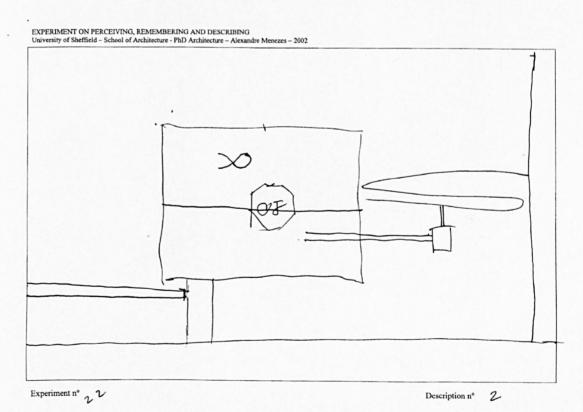
Experiment nº 21

Description n° 2

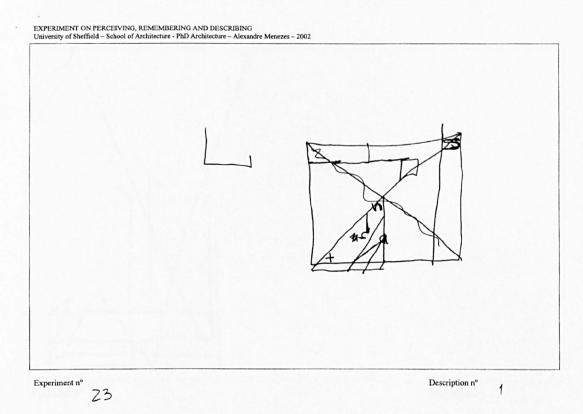
# FIRST YEAR GROUP /Session 12 - Description 1: Non-Architectural sketch



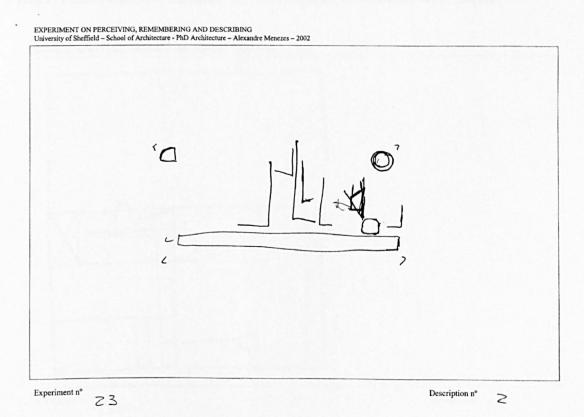
# FIRST YEAR GROUP /Session 12 - Description 2: Architectural sketch



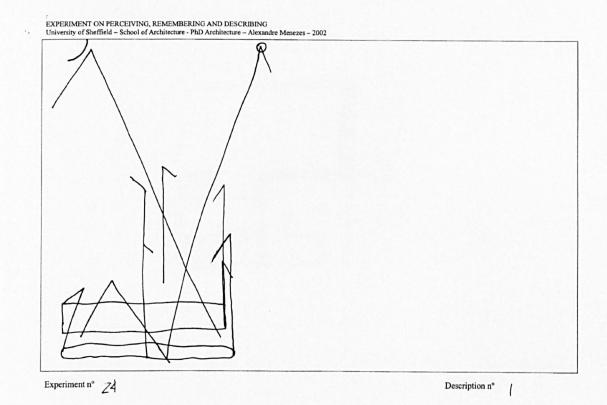
# FIRST YEAR GROUP /Session 13 - Description 1: Architectural sketch



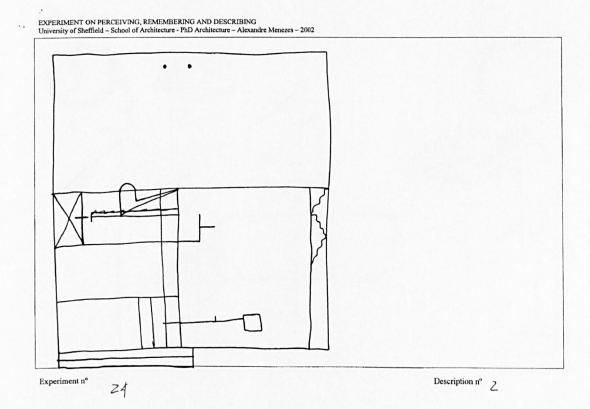
### FIRST YEAR GROUP /Session 13 - Description 2: Non-Architectural sketch



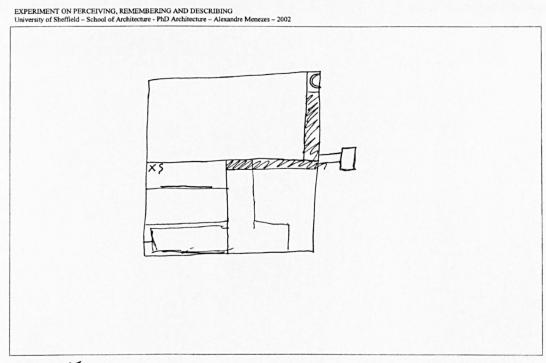
# FIRST YEAR GROUP /Session 14 - Description 1: Non-Architectural sketch



## FIRST YEAR GROUP /Session 14 - Description 2: Architectural sketch



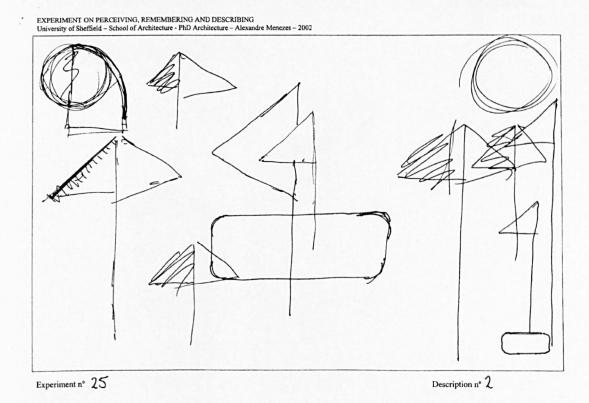
# FIRST YEAR GROUP /Session 15 - Description 1: Architectural sketch



#### Experiment nº 25

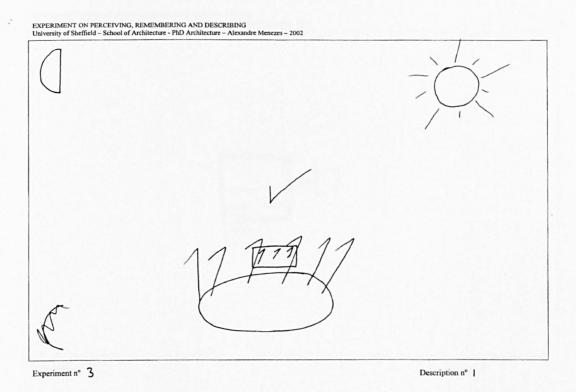
Description nº |

## FIRST YEAR GROUP /Session 15 - Description 1: Non-Architectural sketch

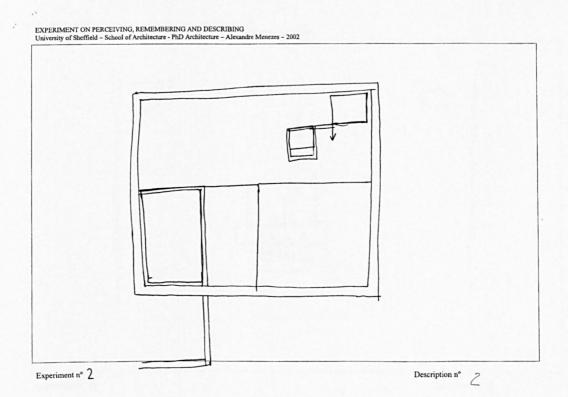


# 2 - DIPLOMA YEAR GROUP - Drawings from Descriptions

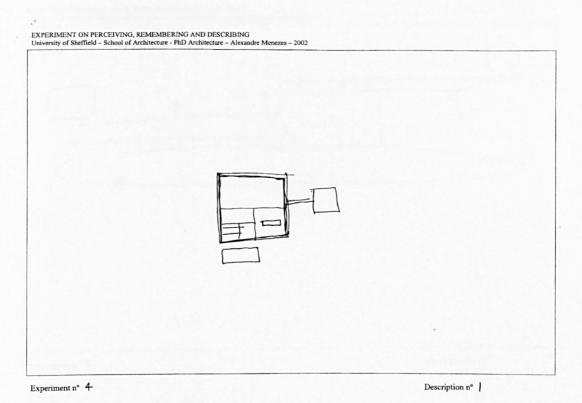
### DIPLOMA YEAR GROUP/Session 01 - Description 1: Non-Architectural sketch



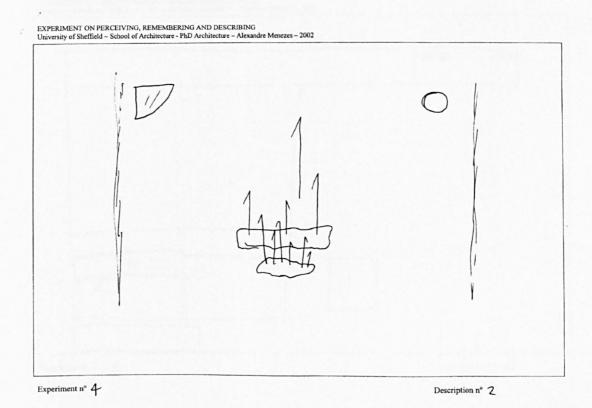
# **DIPLOMA YEAR GROUP/Session 01 - Description 2: Architectural sketch**



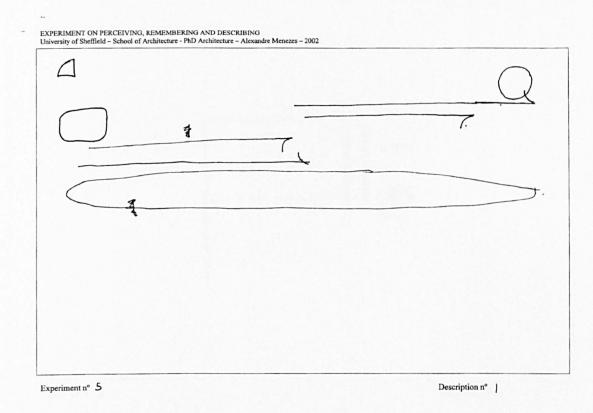
### DIPLOMA YEAR GROUP/Session 02 - Description 1: Architectural sketch



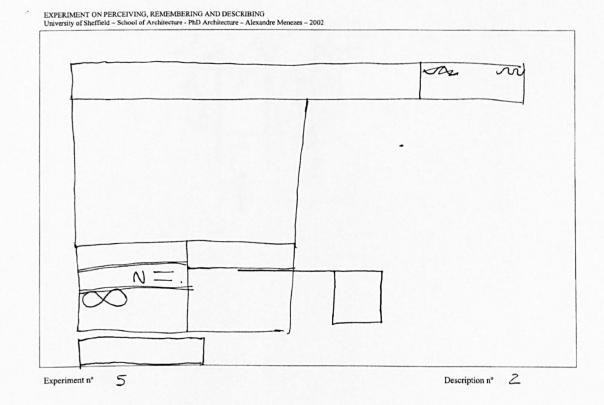
# DIPLOMA YEAR GROUP/Session 02 - Description 2: Non-Architectural sketch



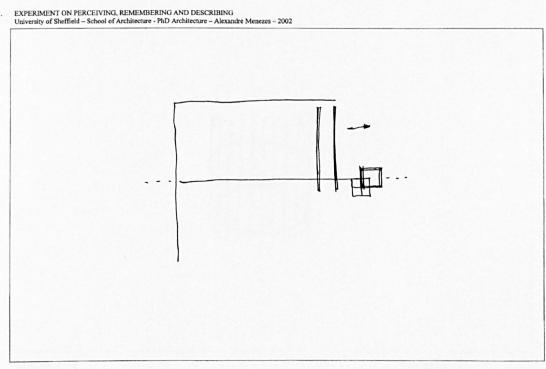
# DIPLOMA YEAR GROUP/Session 03 - Description 1: Non-Architectural sketch



# DIPLOMA YEAR GROUP/Session 03 - Description 2: Architectural sketch



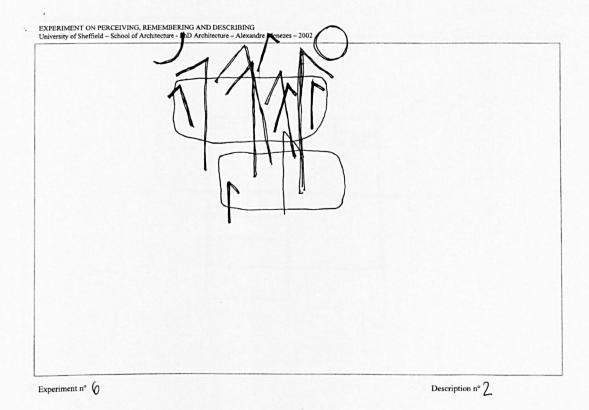
# DIPLOMA YEAR GROUP/Session 04 - Description 1: Architectural sketch



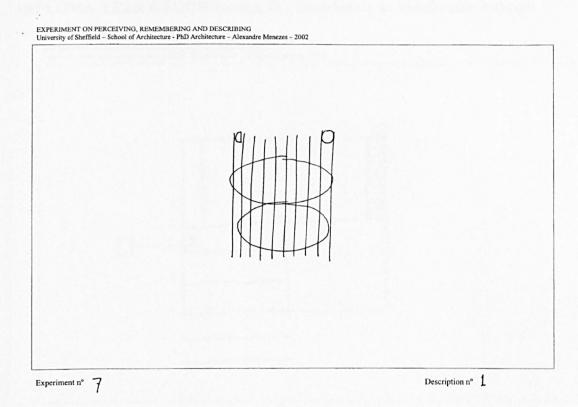
#### Experiment nº 6

Description nº

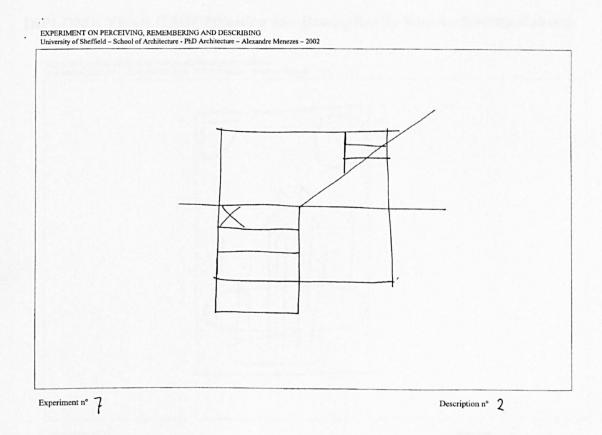
# DIPLOMA YEAR GROUP/Session 04 - Description 2: Non-Architectural sketch



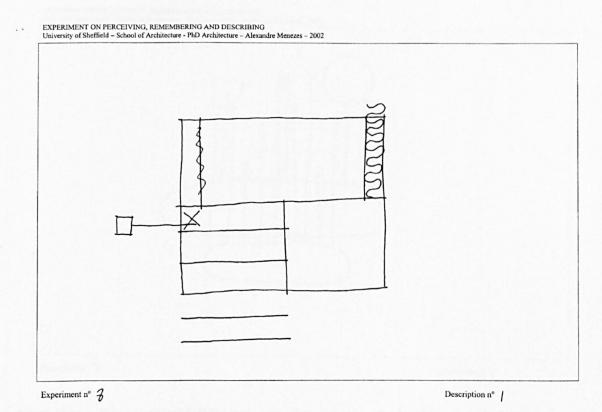
### DIPLOMA YEAR GROUP/Session 05 - Description 1: Non-Architectural sketch



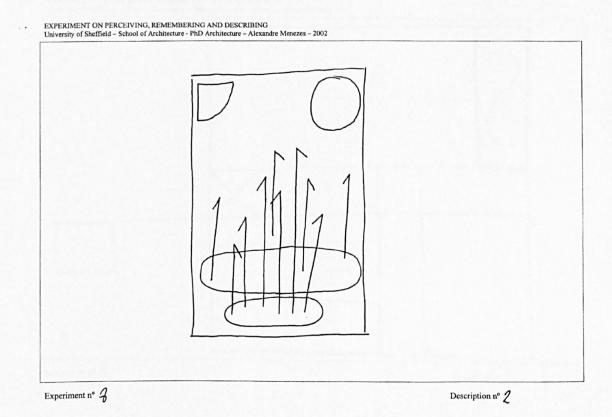
## DIPLOMA YEAR GROUP/Session 05 - Description 2: Architectural sketch



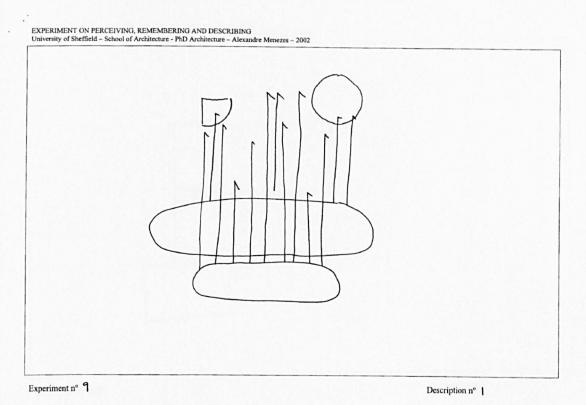
# DIPLOMA YEAR GROUP/Session 06 - Description 1: Architectural sketch



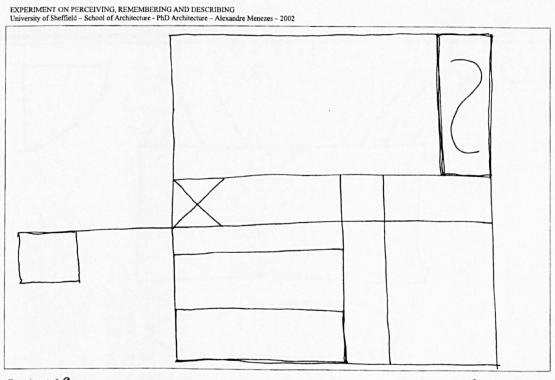
# DIPLOMA YEAR GROUP/Session 06 - Description 2: Non-Architectural sketch



## DIPLOMA YEAR GROUP/Session 07 - Description 1: Non-Architectural sketch



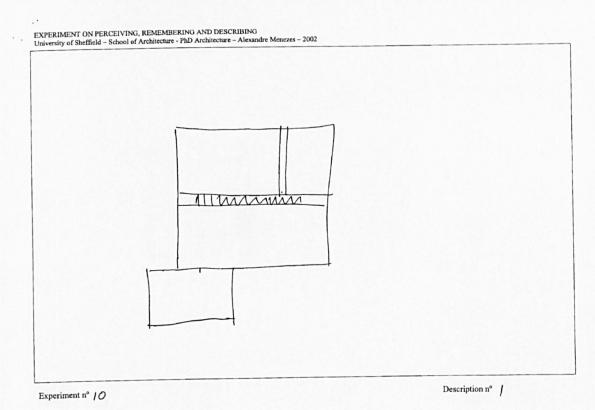
# DIPLOMA YEAR GROUP/Session 07 - Description 2: Architectural sketch



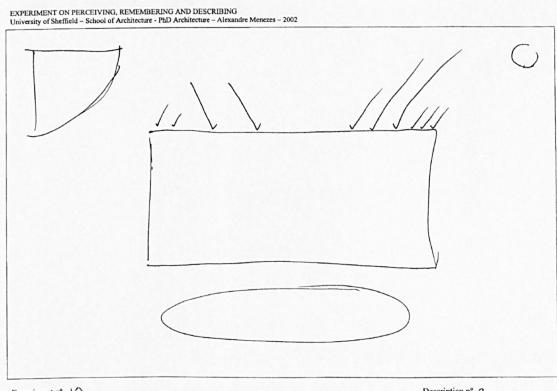
Experiment nº 9

Description nº 2

#### **DIPLOMA YEAR GROUP/Session 08 - Description 1: Architectural sketch**



# DIPLOMA YEAR GROUP/Session 08 - Description 2: Non-Architectural sketch



Experiment nº 10

Description nº 2.

•

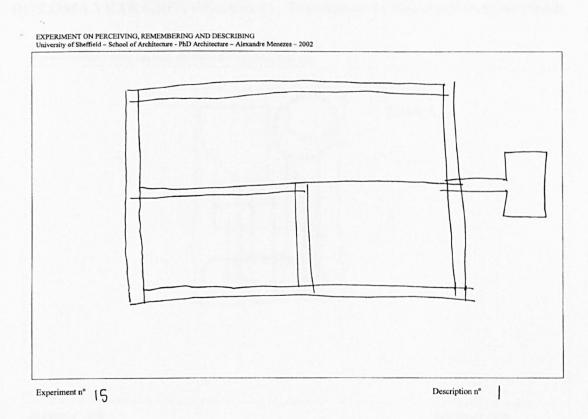
# DIPLOMA YEAR GROUP/Session 09 - Description 1: Architectural sketch

Experiment nº	١	Description n°
University of Sheffield	ERCEIVING, REMEMBERING AND DESCRIBING - School of Architecture - PhD Architecture - Alexandre Menezes - 200	2

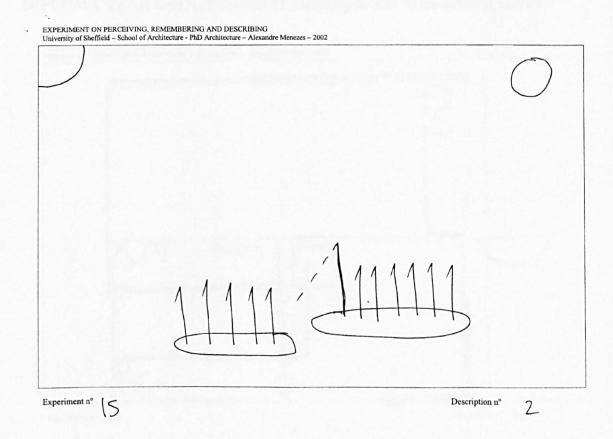
# DIPLOMA YEAR GROUP/Session 09 - Description 2: Non-Architectural sketch

Experiment n°		Description n° 7
	()()(()))	
	$\frown$	
	REMEMBERING AND DESCRIBING architecture - PhD Architecture - Alexandre Menezes - 2002	

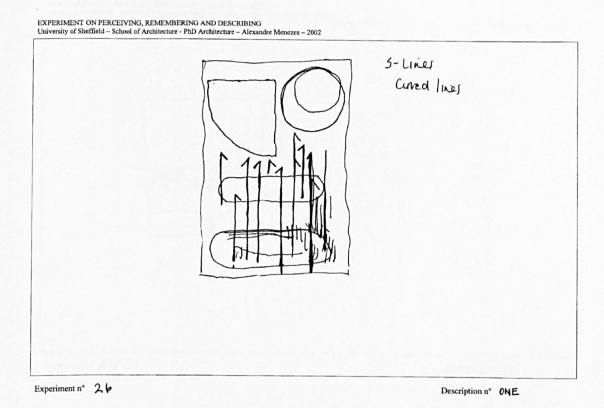
# **DIPLOMA YEAR GROUP/Session 10 - Description 1: Architectural sketch**



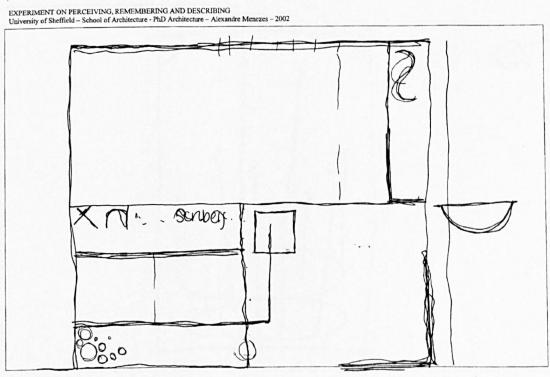
### DIPLOMA YEAR GROUP/Session 10 - Description 1: Non-Architectural sketch



### DIPLOMA YEAR GROUP/Session 11 - Description 1: Non-Architectural sketch



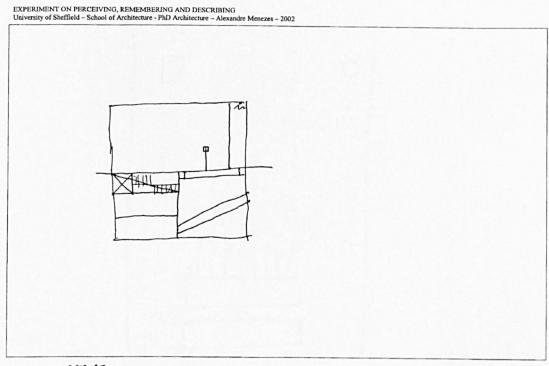
### **DIPLOMA YEAR GROUP/Session 11 - Description 2: Architectural sketch**



Experiment nº 24

Description nº two.

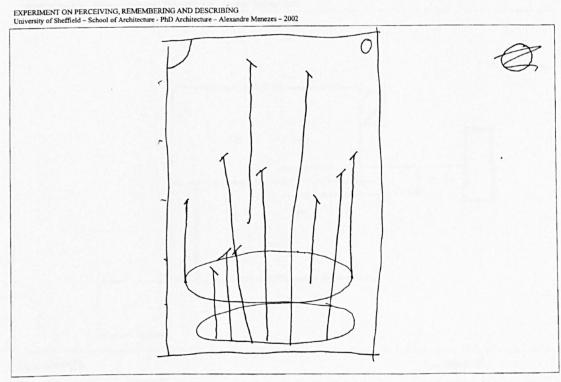
#### DIPLOMA YEAR GROUP/Session 12 - Description 1: Architectural sketch



Experiment nº 0188 27

Description nº ONC

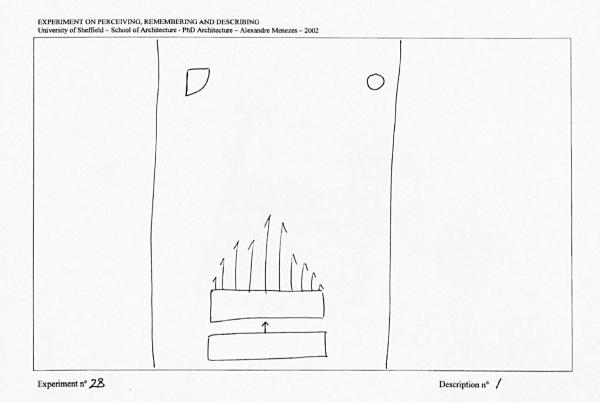
# DIPLOMA YEAR GROUP/Session 12 - Description 2: Non-Architectural sketch



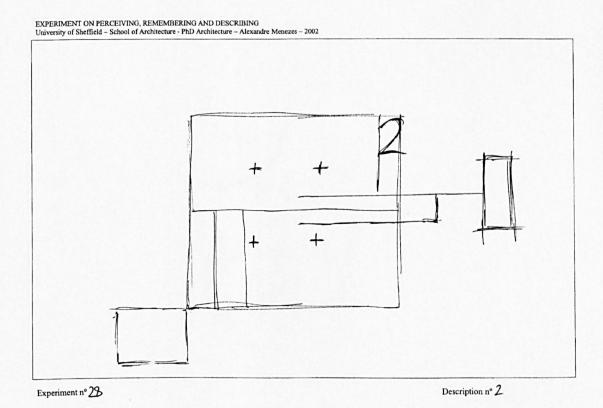
Experiment nº 27

Description nº 2

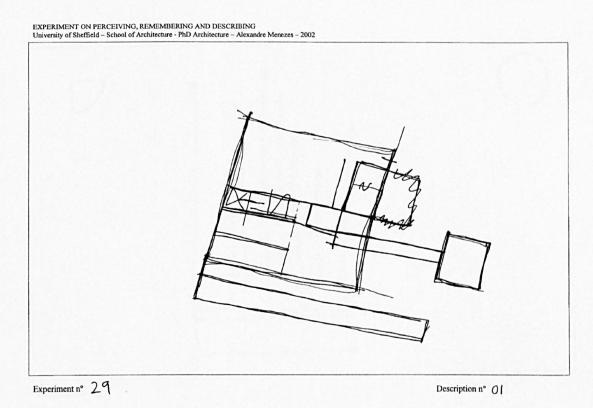
# DIPLOMA YEAR GROUP/Session 13 - Description 1: Non-Architectural sketch



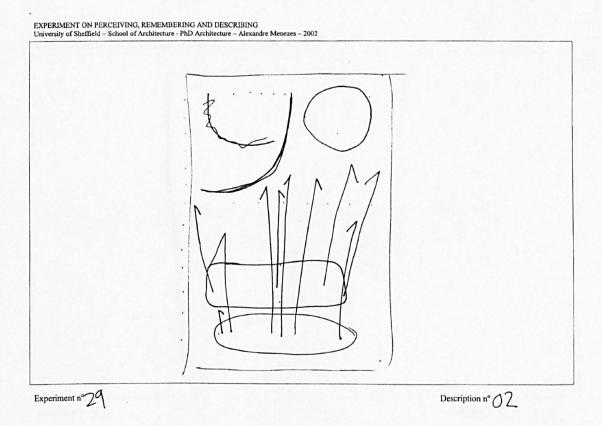
## **DIPLOMA YEAR GROUP/Session 13 - Description 2: Architectural sketch**



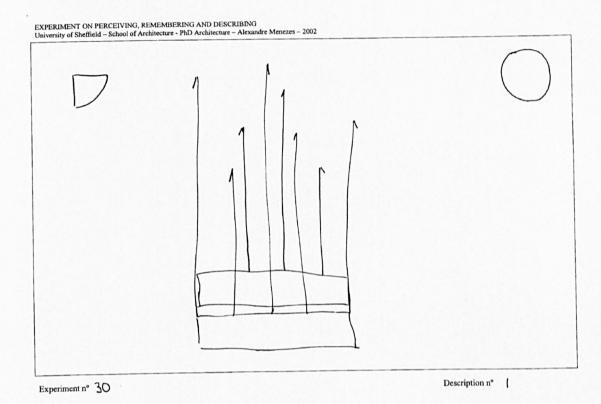
DIPLOMA YEAR GROUP/Session 14 - Description 1: Architectural sketch



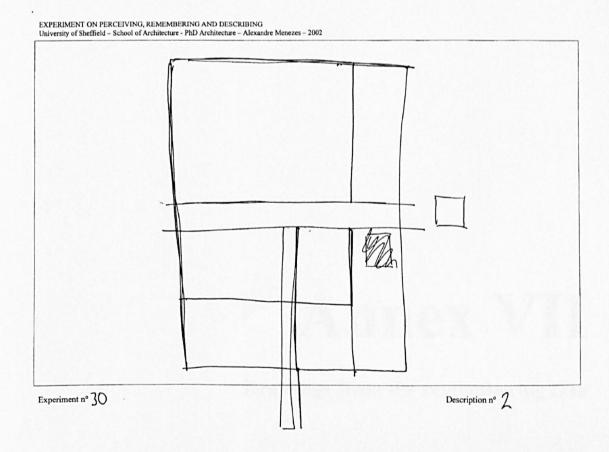
# **DIPLOMA YEAR GROUP/Session 14 - Description 2: Non-Architectural sketch**



### **DIPLOMA YEAR GROUP/Session 15 - Description 1: Non-Architectural sketch**



## **DIPLOMA YEAR GROUP/Session 15 - Description 2: Architectural sketch**



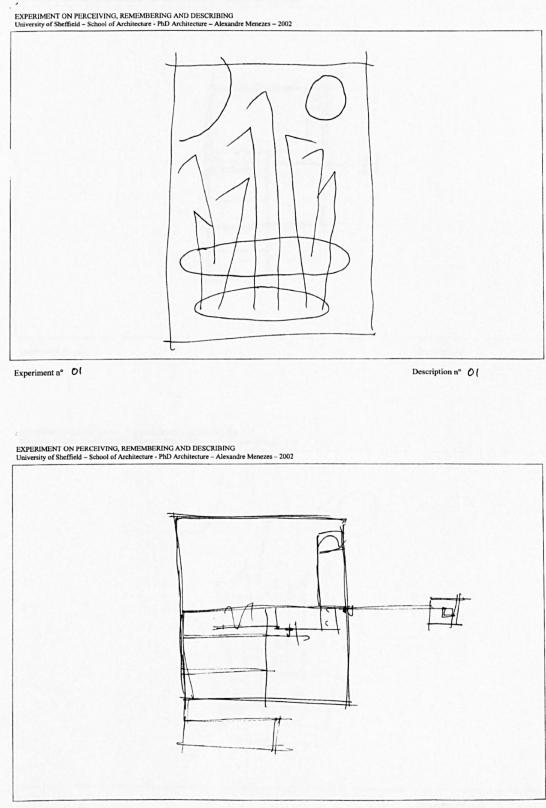


Drawings from the remembering task

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# 1 - FIRST YEAR GROUP – Drawings from Remembering Task

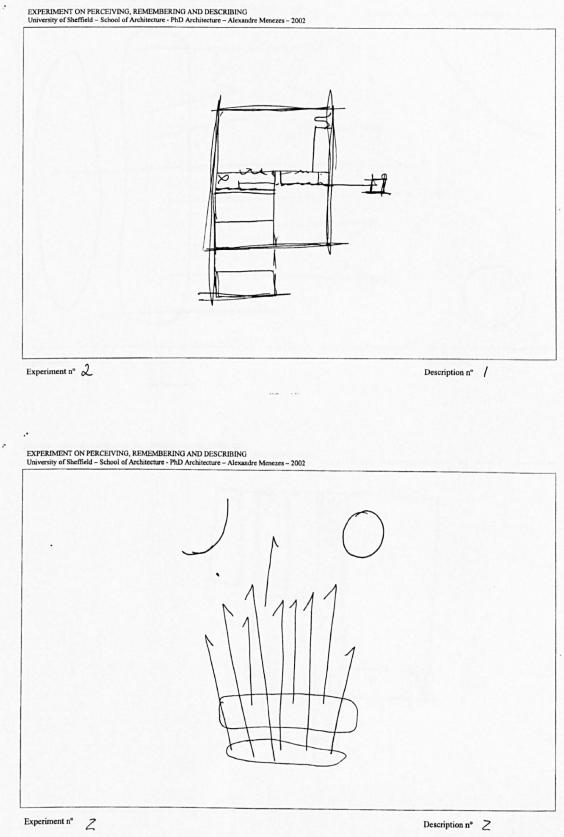
## FIRST YEAR GROUP/Session 01 – Remembering task



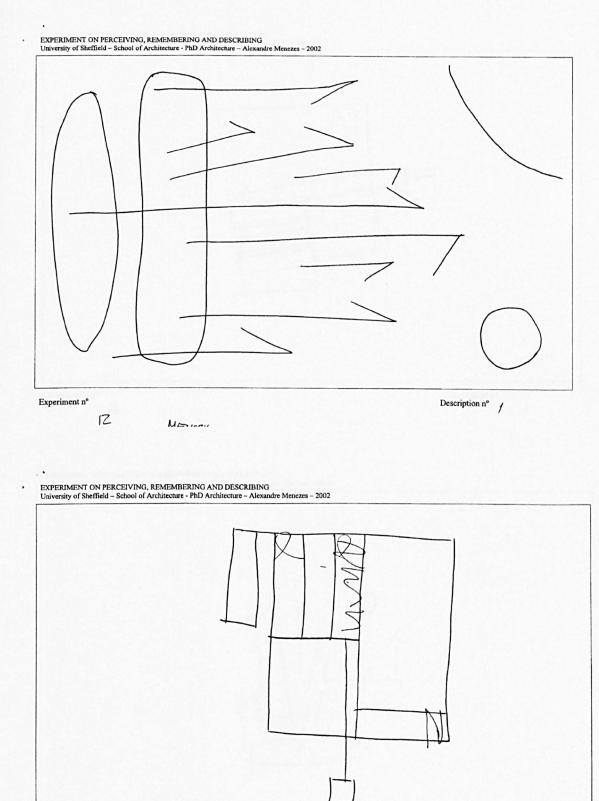
Experiment nº 01

Description nº 02

## FIRST YEAR GROUP/Session 02 - Remembering task



# FIRST YEAR GROUP/Session 03 – Remembering task



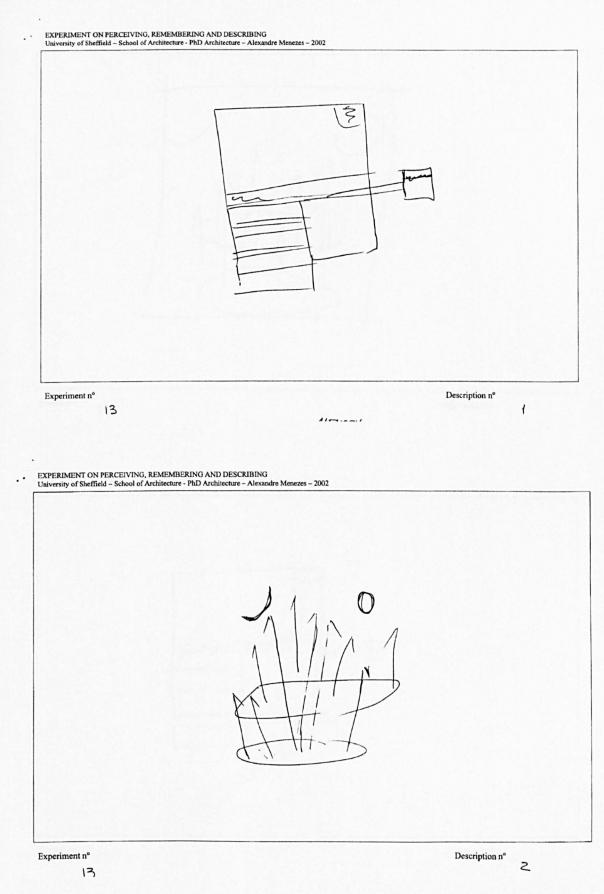
Experiment nº

12

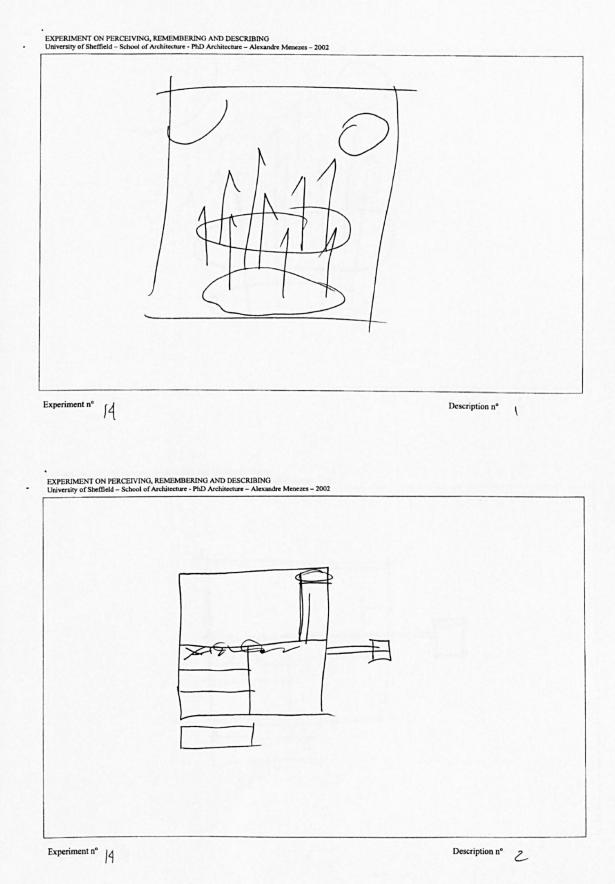
Description nº

2

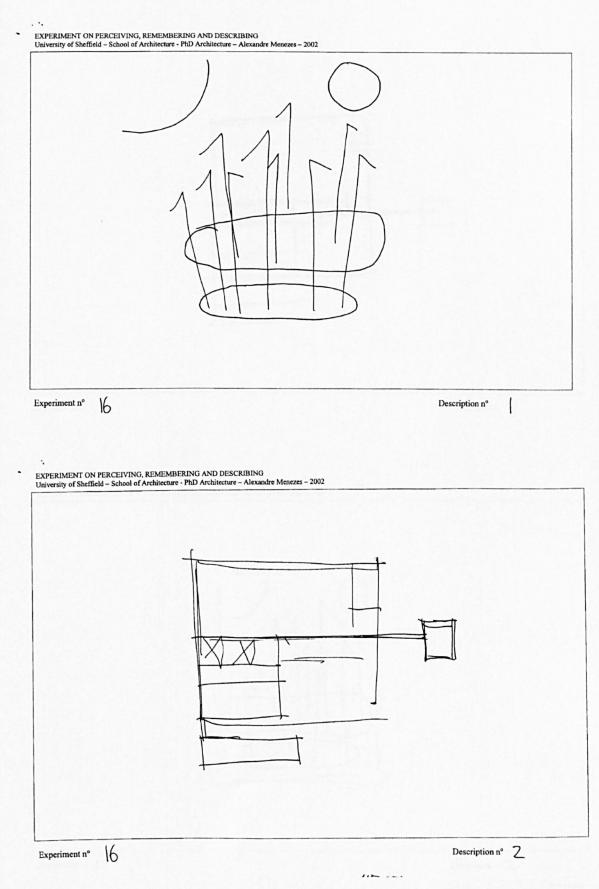
# FIRST YEAR GROUP/Session 04 - Remembering task



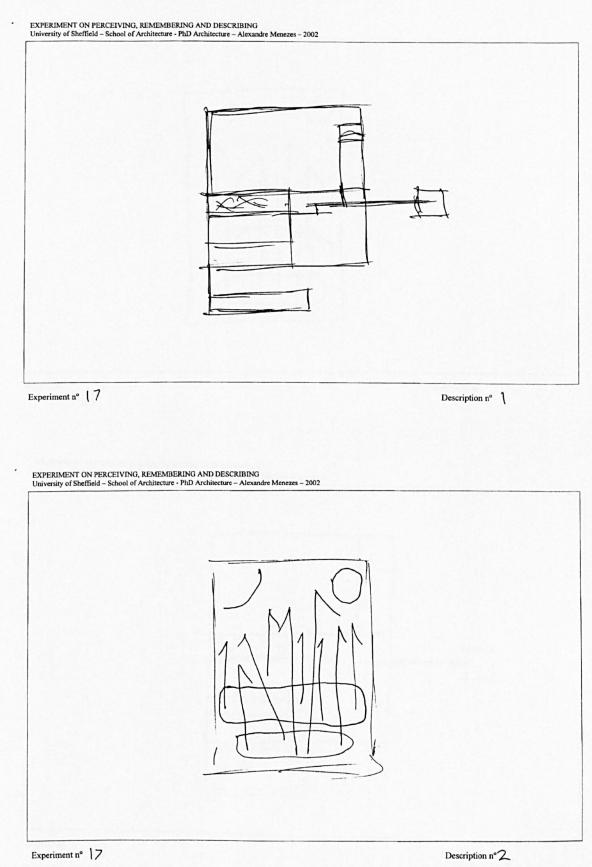
# FIRST YEAR GROUP/Session 05 – Remembering task



# FIRST YEAR GROUP/Session 06 – Remembering task

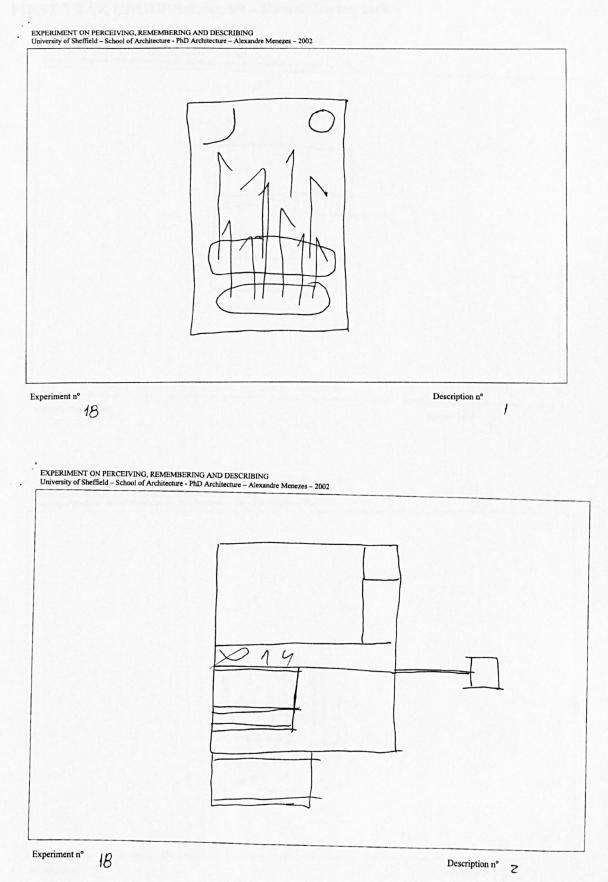


# FIRST YEAR GROUP/Session 07 – Remembering task

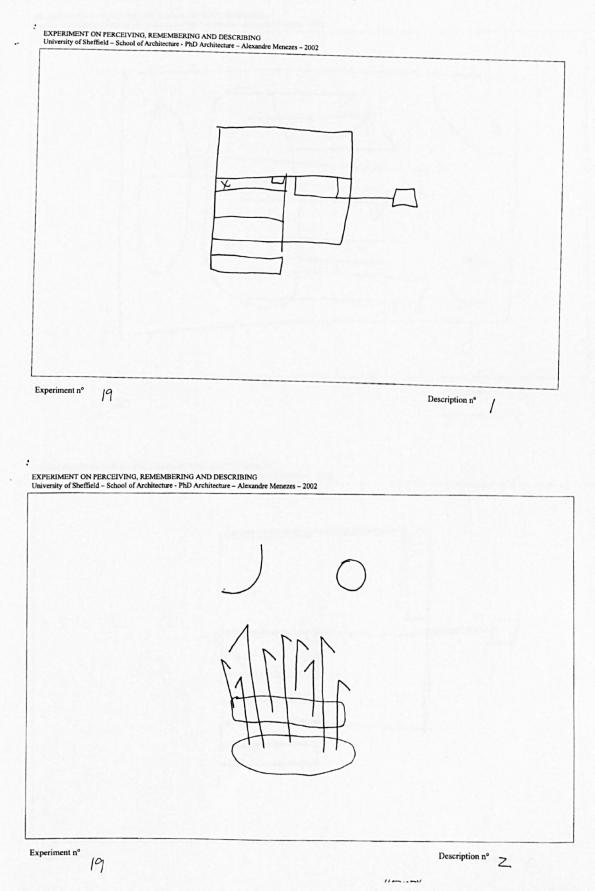


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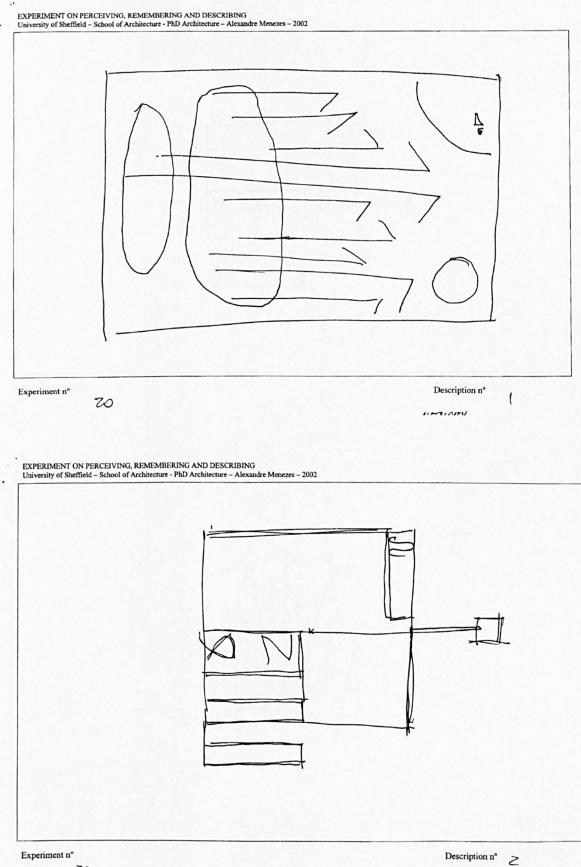
#### FIRST YEAR GROUP/Session 08 – Remembering task



#### FIRST YEAR GROUP/Session 09 – Remembering task

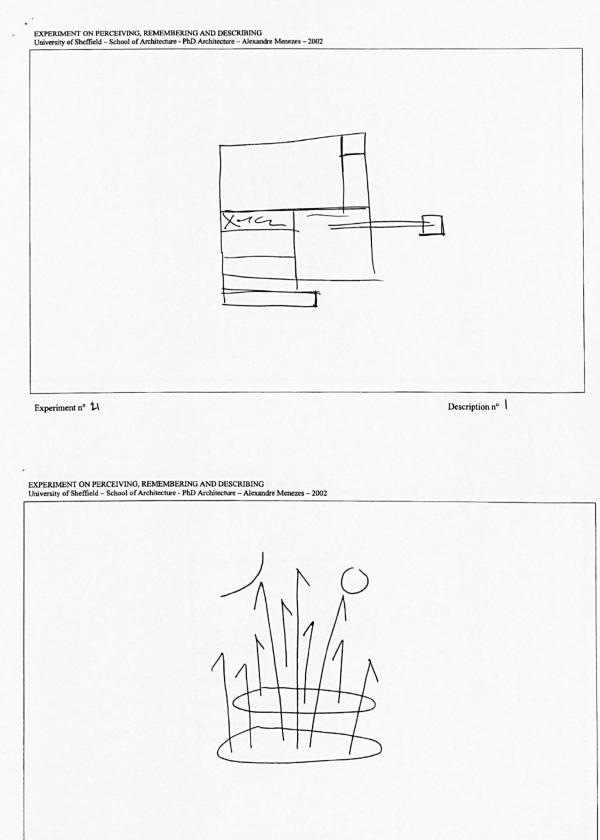


#### FIRST YEAR GROUP/Session 10 - Remembering task





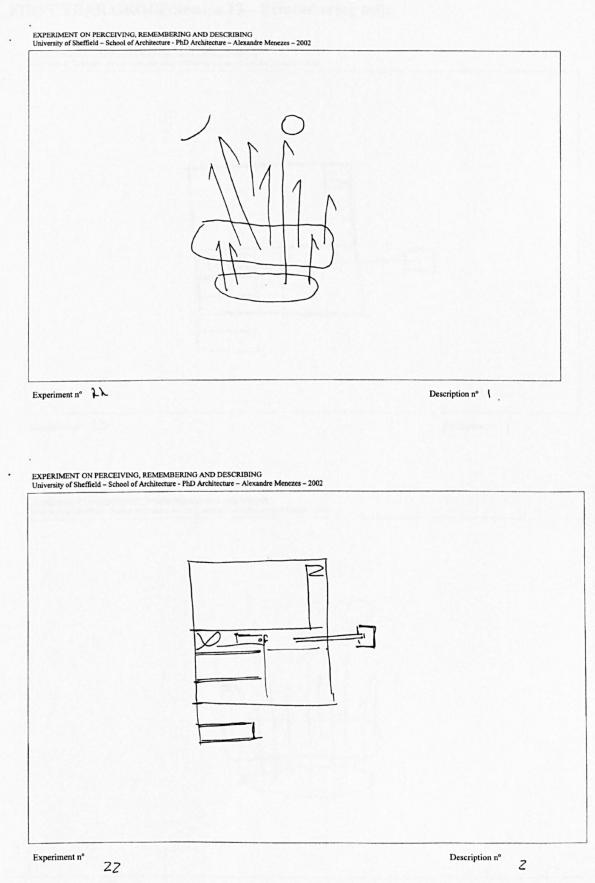
#### FIRST YEAR GROUP/Session 11 - Remembering task



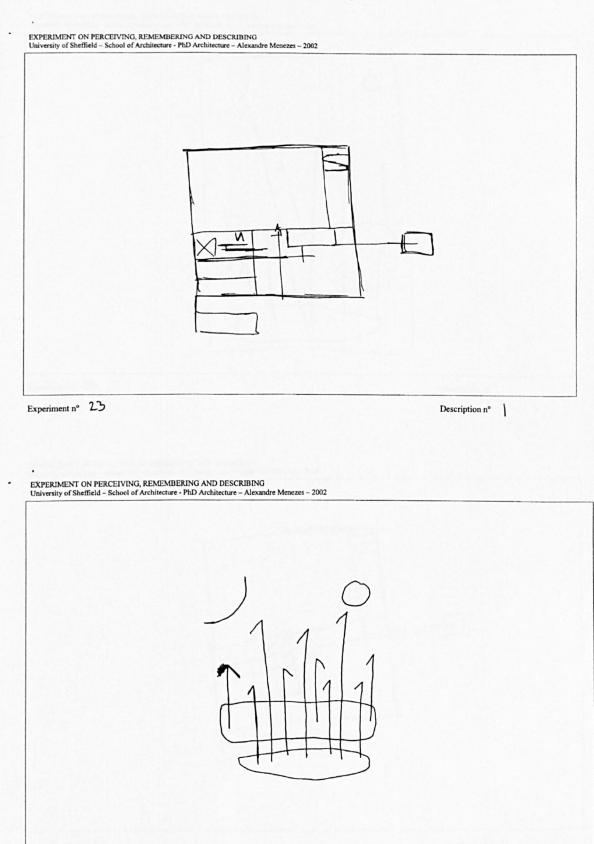
Experiment nº 21

Description nº 2\_

#### FIRST YEAR GROUP/Session 12 - Remembering task



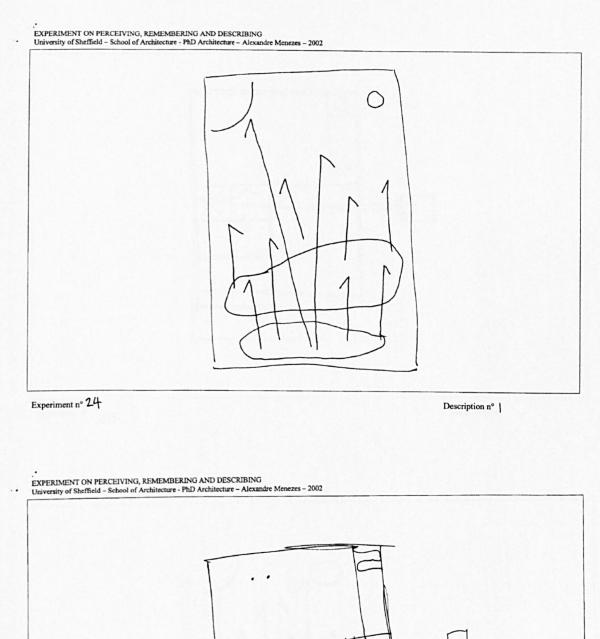
#### FIRST YEAR GROUP/Session 13 - Remembering task



Experiment nº 23

Description nº 2

#### FIRST YEAR GROUP/Session 14 - Remembering task

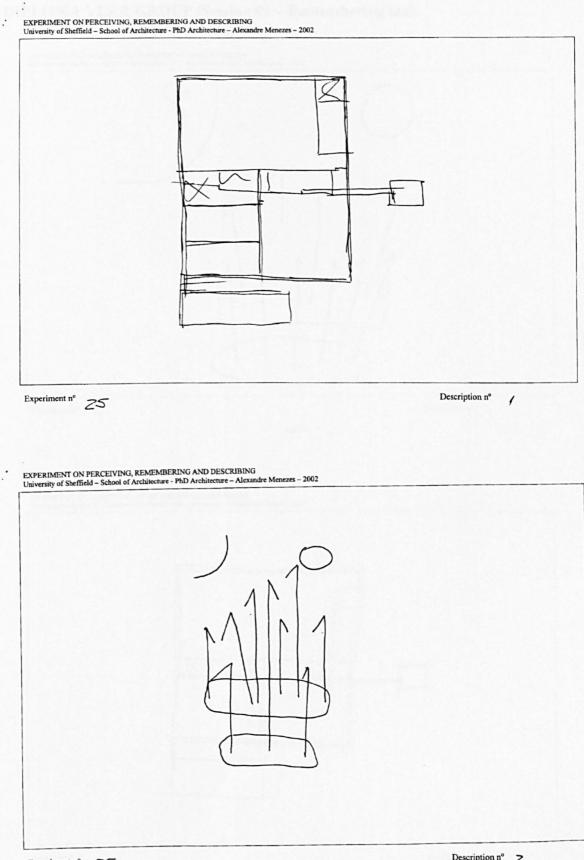


Experiment nº 24

Description nº 2 .

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#### FIRST YEAR GROUP/Session 15 - Remembering task

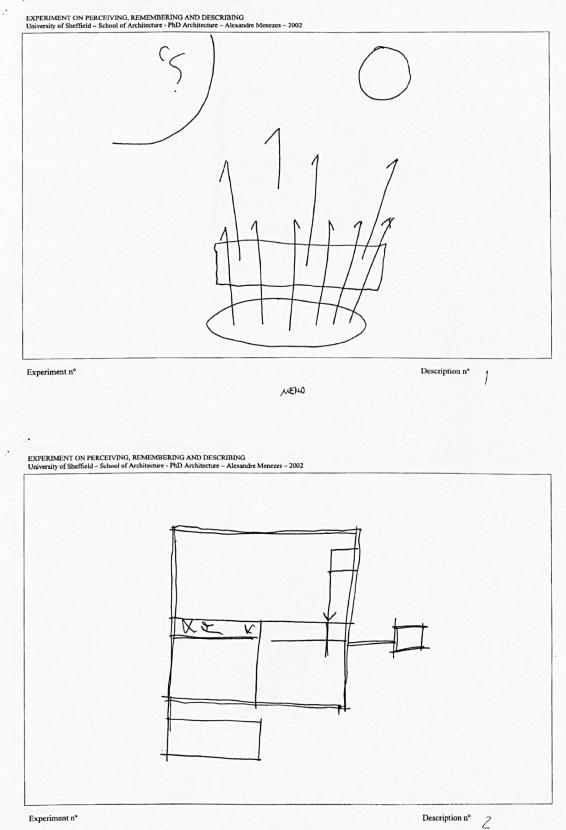


Experiment nº 25

Description nº Z

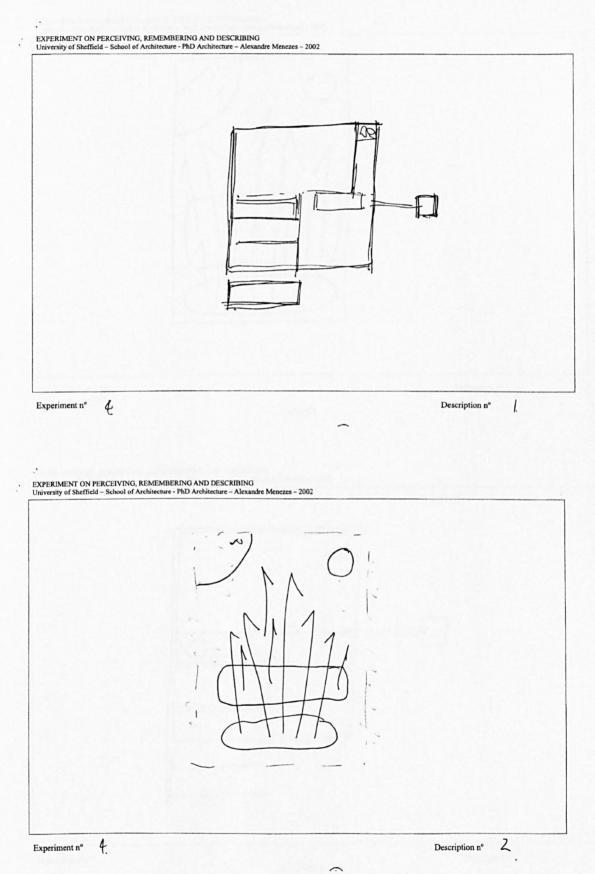
#### 2 – DIPLOMA YEAR GROUP – Drawings from Remembering Task

#### DIPLOMA YEAR GROUP /Session 01 – Remembering task

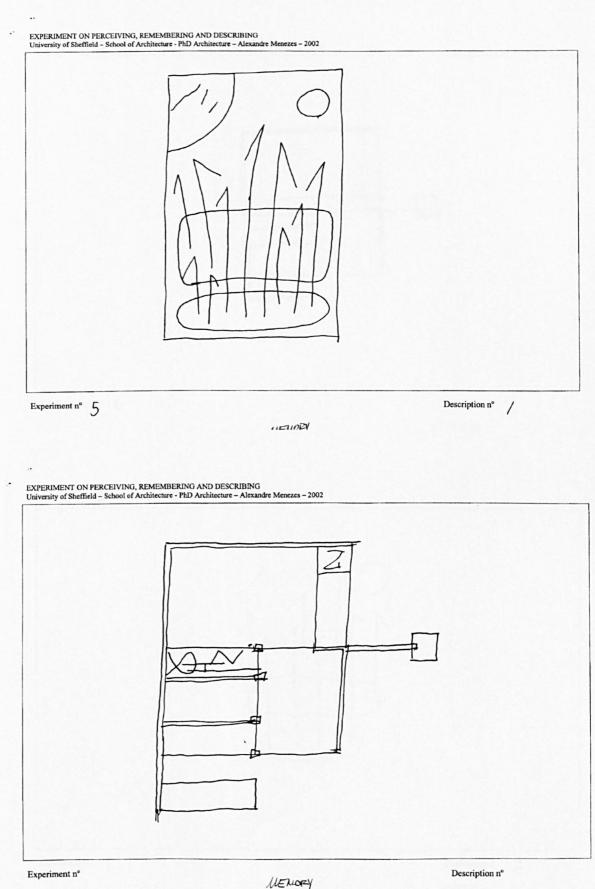


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#### DIPLOMA YEAR GROUP /Session 02 – Remembering task

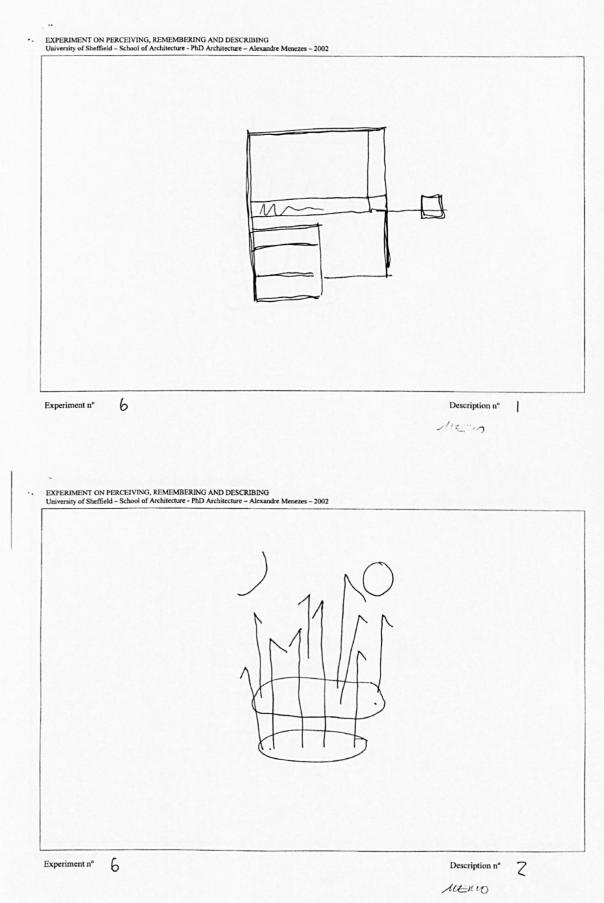


#### DIPLOMA YEAR GROUP /Session 03 – Remembering task

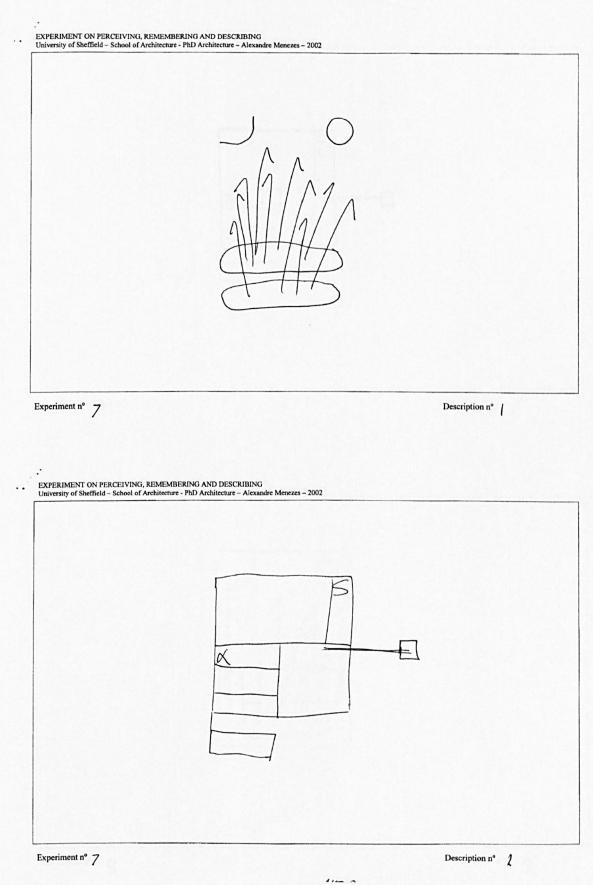


220

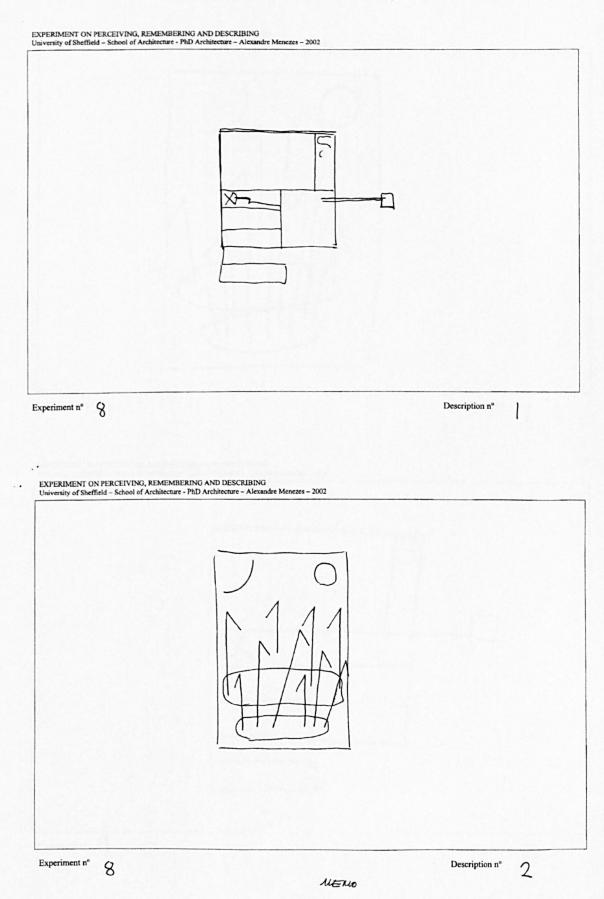
#### DIPLOMA YEAR GROUP /Session 04 – Remembering task



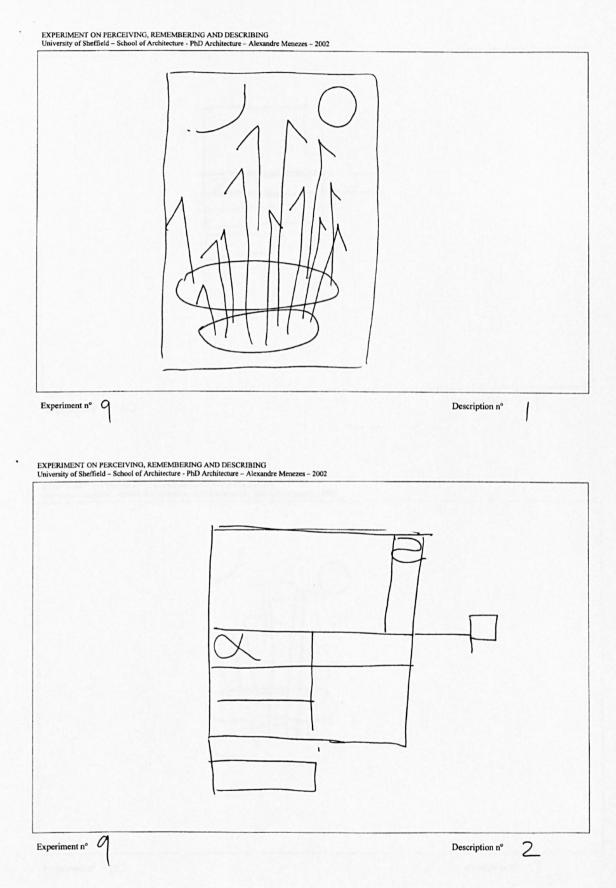
#### DIPLOMA YEAR GROUP /Session 05 – Remembering task



#### DIPLOMA YEAR GROUP /Session 06 - Remembering task



#### DIPLOMA YEAR GROUP /Session 07 – Remembering task

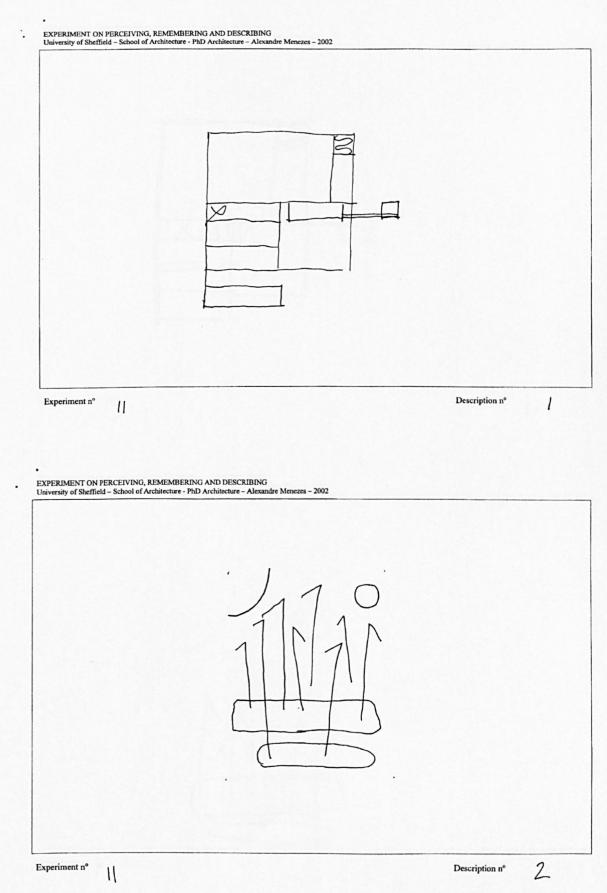


#### DIPLOMA YEAR GROUP /Session 08 – Remembering task

XPERIMENT ON PERCEIVING, REMEN Iniversity of Sheffield - School of Architect		
Experiment n° 10		
	MBERING AND DESCRIBING	Description n°
		Description n <sup>*</sup>

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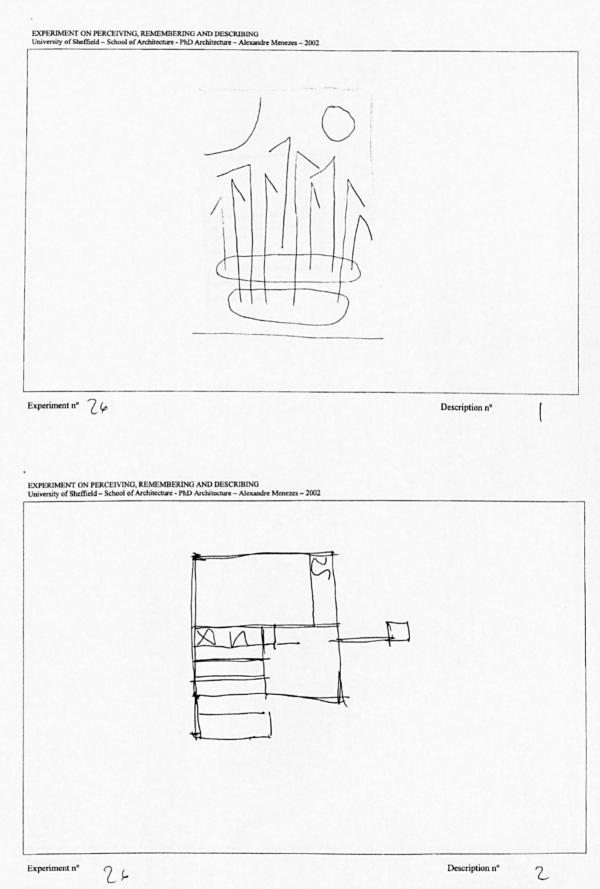
#### DIPLOMA YEAR GROUP /Session 09 – Remembering task



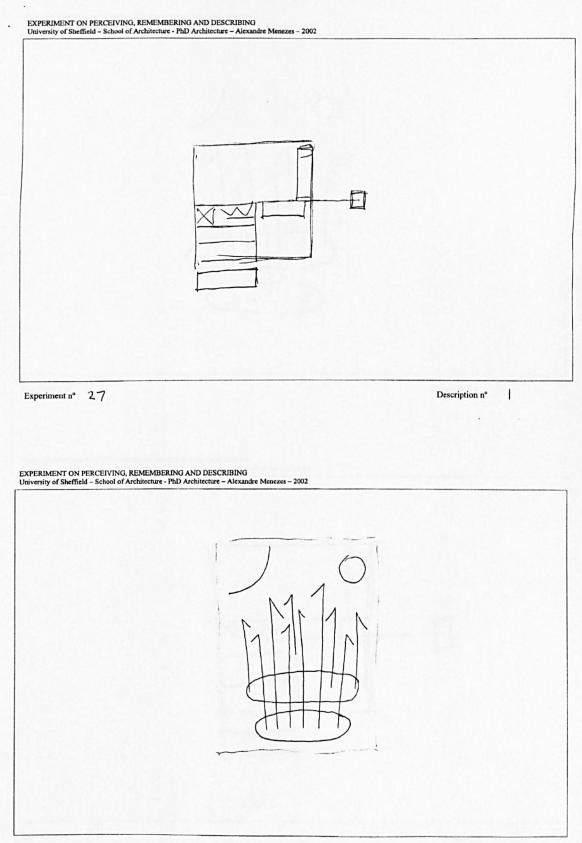
#### DIPLOMA YEAR GROUP /Session 10 – Remembering task

EXPERIMENT ON PERCEIVIN University of Sheffield – School o	G, REMEMBERING AND DESCRIBING f Architecture - PhD Architecture - Alexandre Menezes - 2002	
Experiment nº B		Description n <sup>e</sup>
• EXPERIMENT ON PERCEIVING University of Sheffield – School of	5, REMEMBERING AND DESCRIBING Architecture - PhD Architecture - Alexandre Menezes - 2002	
	$\lambda$	•
Experiment n° 6		Description n° 2

#### **DIPLOMA YEAR GROUP /Session 11 – Remembering task**



#### DIPLOMA YEAR GROUP /Session 12 – Remembering task

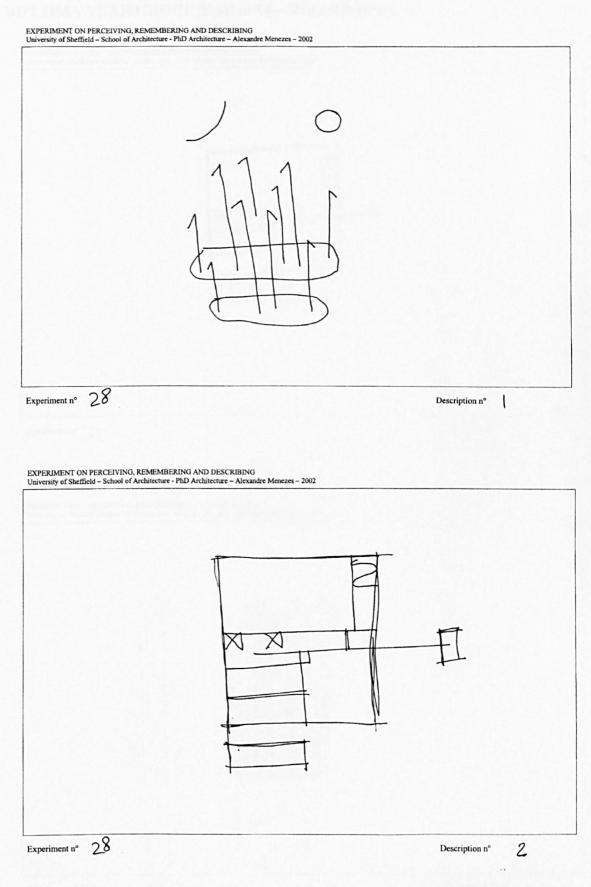


Experiment nº 27

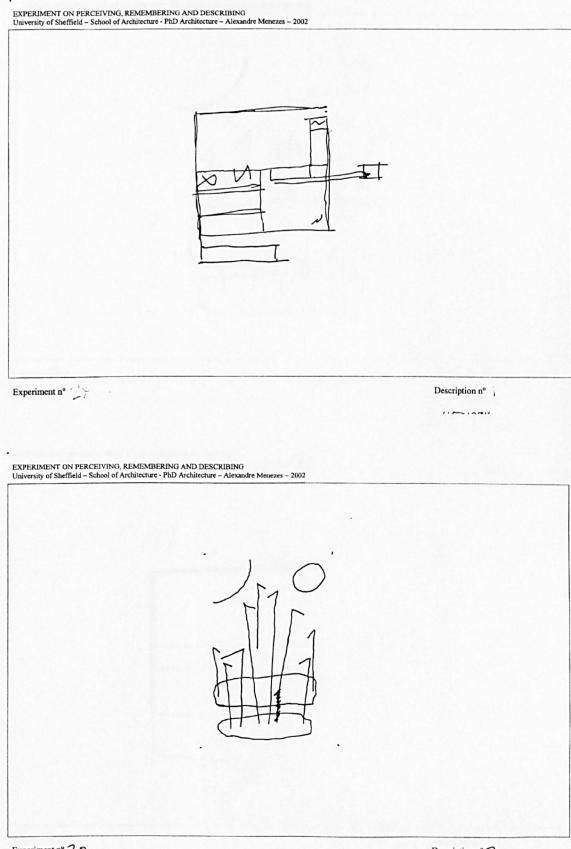
Description n° Z

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#### DIPLOMA YEAR GROUP /Session 13 – Remembering task



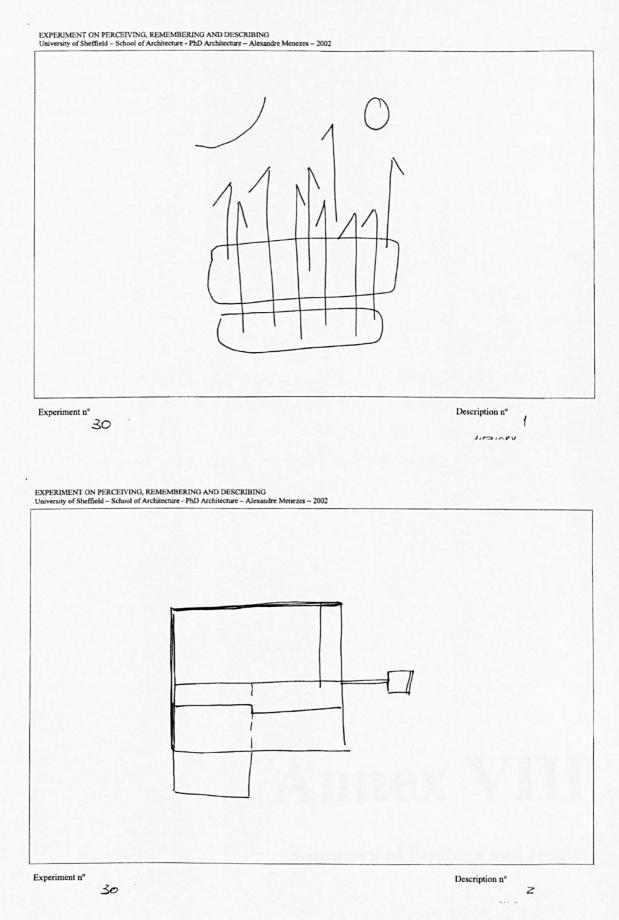
#### DIPLOMA YEAR GROUP /Session 14 – Remembering task



Experiment nº 29

Description nº 2

#### DIPLOMA YEAR GROUP /Session 15 – Remembering task





### Summary of findings and results

SUMMARY OF RESULTS

Table VIII.1 presents the summary of the results for First Year group and Table VIII.2 for Diploma Year group.

The first column of the tables informs the session for each group. Second column shows the descriptions and their contents (NA=Non-Architectural sketch and AR=Architectural sketch). The third column is related description times in minutes. The fourth column presents the number of segment for each description. The fifth column informs the number of verbal cognitive actions. They are divided into G=General; F=Features and R=Reflective. The sixth column presents the number of F=Formal and S=Symbolic references. Seventh column shows the easiest image to describe. The last column presents the ranks for the drawings produced.

Session	Description	Time (Min.)	Number of		Nun Verba	nber o l Actio		AREA CELENCERY	mal / ibolic	Easy	Rank 1 =good
		Addiou.	Segments	G	F	R	Total	F	S		30 =bad
F 1	1 - NA	3.1	43	23	25	3	51	9	16		30
	2 - AR	6.8	74	39	49	2	90	31	18	*	2
N		1.4.9.45									
F 2	1 - AR	8.6	88	39	56	12	107	53	3		22
197	2 - NA	2.4	26	14	20	3	37	5	15	*	11
<b>F</b> 2	1 1 1	9.2	57	33	30	1	64	19	11		20
F 3	1 - NA 2 - AR	7.4	60	35	40	5	80	37	<u>11</u> 3	-	20 30
	2-AK	7.4	00	55	40		00	57	3	1 -	30
F 4	1 - AR	3.4	17	6	13	0	19	4	9	1	29
1 4	2 - NA	7.1	88	42	59	7	108	36	23	*	23
											Lange of the Property of the
F 5	1 - NA	1.9	31	14	21	2	37	15	6	-	18
12.5	2 - AR	5.0	70	25	55	4	84	43	12	-	24
100 m											
F 6	1 - NA	2.5	29	18	12	0	30	2	10	*	22
	2 - AR	3.4	35	16	26	1	43	18	8		23
257-20											
F 7	1 - AR	5.5	102	58	52	7	117	26	26		16
	2 - NA	7.2	150	95	60	13	168	32	28	*	7
	1 114	2.0	31	13	24	4	41	18	6		10
F 8	1 - NA 2 - AR	2.0	37	16	24	0	41	23	2	-	19 27
	2 - AK	2.1	51	10	25	0	41	25	4	-	21
F 9	1 - AR	3.2	40	20	21	3	44	21	0	-	7
<b>F 7</b>	2 - NA	4.4	60	39	24	6	69	23	1	*	8
			19 States T. Second and						ALL AND ALL ALL ALL ALL ALL ALL ALL ALL ALL AL		
F 10	1 - NA	11.2	163	106	50	27	183	38	12	1.000	9
1.10 10 10	2 - AR	11.6	153	78	86	16	180	52	34	*	1
		Feikle-			10.00						
F 11	1 - AR	6.0	86	41	52	15	108	40	12	*	6
10.0263	2 - NA	7.2	123	69	58	12	139	22	36		3
No.											1
F 12	1 - NA	6.8	112	65	48	12	125	30	18	-	28
	2 - AR	6.6	116	51	70	15	136	56	14	-	21
	1 4 0	77	0.0				117	20	26	1	
F 13	1 - AR	7.7	96	56	55	6	117	29	26	-	28
	2 - NA	6.6	89	48	43	7	98	25	18	-	26
F14 *	1 - NA	7.0	112	63	46	8	117	22	24		15
F 14	2 - AR	9.8	112	72	66	16	154	42	24	-	13
	2-AN	2.0	147	12	00	10	134	74	24		
F 15	1 - AR	3.3	47	25	36	3	64	13	23		4
1 15	2 - NA	4.1	68	43	27	4	74	13	14	*	27
	the set of the set of the set of the set of the		and the second second second second second second second second second second second second second second second					AND IN TAXABLE IN	and the second second second		and the second se

Table	VIII.1:	First	Year	group	)
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Session Description	Description	Time (Min.)	Number of Segments	Verbal Actions				Formal / Symbolic		Easy	Rank 1 =good
				G	F	R	Total	F	S	1	30 =bad
D 1	1 - NA	4.4	66	41	37	6	84	18	19	10000000	16
	2 - AR	6.0	80	38	54	9	101	37	17	*	18
D 2	1 - AR	3.8	70	35	40	7	82	33	7		5
	2 - NA	4.1	62	36	30	7	72	13	17	*	12
D 3	1 - NA	3.3	45	30	18	0	48	12	6	*	29
	2 - AR	6.6	90	47	48	8	103	35	13		10
D 4	1 - AR	4.2	58	33	27	2	62	14	13	*	20
8576.5	2 - NA	7.0	130	74	58	13	145	35	23		10
D 5	1 - NA	2.4	39	30	14	7	51	10	4	*	25
	2 - AR	4.1	81	47	41	9	97	30	11		19
D 6	1 - AR	4.5	97	42	57	18	117	43	14		9
D0	2 - NA	5.4	141	82	58	11	151	33	25	*	1
D7	1 - NA	3.7	53	32	19	4	55	13	6	*	4
D/	2 - AR	5.2	100	48	60	18	126	55	5		11
D.O.	1 - AR	1.6	23	8	17	1	26	10	7	*	26
D 8	2 - NA	2.0	30	16	17	1	35	7	11		20
D.A.	1 A D	2.9	52	27	20	0	56	28		*	25
D 9	1 - AR 2 - NA	2.9	32	21	29 14	0	38	<u>-28</u> 11	1 3		25 24
											Treasure characteristic
D 10	1 - AR 2 - NA	2.1	43 33	15 11	28 20	1 5	44 36	4 7	24 13	*	17 17
				22.22	1054						
D 11	1 - NA 2 - AR	5.2 6.7	108 139	62 73	56 80	12 13	130 166	10 58	46	*	5
	2 - AK	0.7	139	13	80	15	100	20			15
D 12	1 - AR	5.3	82	36	42	14	92	27	15	*	13
	2 - NA	7.5	136	77	57	19	153	32	25		2
D 13	1 - NA	1.7	25	16	9	0	25	7	2	*	14
	2 - AR	3.1	54	34	25	1	60	18	7		8
D 14	1 - AR	17.2	295	130	117	55	302	41	76		3
	2 - NA	11.9	177	93	61	28	182	28	33	*	6
D 15	1 - NA	2.6	31	22	9	2	33	6	3		13
	2 - AR	4.4	62	19	36	1	56	21	15	*	12

## Table VIII.2: Diploma Year group

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