the ability to 'document imagination'.
elevation
What is an elevation?

It’s a drawing of each side of a building - the front, the rear and the sides, showing what it will look like after completion.
technical drawing - elevation

What is an elevation?

An elevation is a flat representation of one façade. This is the most common view used to describe the external appearance of a building.

Elevations for a competition project by Daniel Libeskind.
technical drawing - elevation

Why do we need elevations?

Detailed drawings of the elevations serve as a guide for the construction.

plans  elevations
technical drawing introduction
How to label elevations?

elevation

North-west elevation

West elevation

South-west elevation

North elevation

North-east elevation

East elevation

South-east elevation

South elevation

Each elevation is labeled in relation to the compass direction it faces, e.g. the north elevation of a building is the side that most closely faces north...
technical drawing introduction
How to label elevation?

- north elevation
- west elevation
- south elevation
- east elevation
Elevations are drawn by taking construction lines from the plan and projecting them on the ground line, showing location of all the elements of the façade.
technical drawing introduction
how to draw elevation?

plan

Projection lines

Introduction of another dimension

With the increase in distance the lines get lighter.
The heaviest line-weight shows the nearest.

elevation

Ground line
technical drawing - elevation
graphics in elevations

Casting shadows

Shadows are dropped in order to create the illusion of depth in an elevation drawing.

Sciapgraphy is the art or science of projecting or delineating shadows as they fall in nature.
technical drawing - elevation
how to draw elevations?

1. Decide the source of light and cast shadows for creating depth and to indicate the nearest and the farthest.

2. Use projection lines for details.
technical drawing - elevation

Drawing curves in elevation

Drawing a curve in elevation.
The curve is shown with weight difference and distance of lines on the elevation.

The line distance decreases with increase in distance from viewpoint.
technical drawing - elevation

how to draw elevations?

Plain facade

curve
glass
Each elevation should show the location of all the elements of the building - rooflines, windows, doors, and indicate the siding and roof materials, dimensions of windows and doors, the roof pitch, details of the trim, etc.
technical drawing - elevation
details and materials in elevations

- roof lines
- chimney
- khaprail
- window
- wood
- projection
- Wooden door
- stone
- G.L.
- dimensions
- slope
A few examples of materials in elevation.
technical drawing - elevation
examples - details in elevations

Notre dame du haut, le corbusier
technical drawing - elevation
examples - details in elevations

Pompidou centre, renzo piano
examples - details in elevations

Falling water, f.l. wright
technical drawing - elevation
examples - details in elevations

Eiffel tower, gustave eiffel
technical drawing - landscape
Elevation examples

Walt Disney Concert Hall
Frank Gehry
technical drawing - landscape
Elevation examples

Walt Disney Concert Hall
Frank Gehry
Japanese architects ARTechnic
The Shell | a holiday villa Karuizawa, Japan.
Japanese architects ARTechnic
The Shell | a holiday villa Karuizawa, Japan.
Landscape is an area as perceived by people, whose character is the result of the action and interaction or natural and/or human factors.
technical drawing - landscape

what is landscape?

Landscape associates people, place and building.

It is the ever changing backdrop of our daily lives.
technical drawing - landscape
why do we need landscape?

Landscape is mandatory for drawings as they give an idea about the context, building ground relationship, represents scale and proportion and adds life to the drawing. It gives a natural look to the drawing as it would appear in real context.

Every building can and should engage in a dialog with the history, beliefs and needs of a particular place and time.
technical drawing - landscape

why do we need landscape?

- environment
- scale
- Visual and sound barrier
- Human-building proportion
Landscape enhances the feel of the design giving it context and life.
Landscape graphics are both in plan and in elevation.

Deciduous shrubs

Evergreen shrubs

Large deciduous trees
Notice the different sizes and shapes.
Landscape Design is the arrangement of outdoor space in a way that serves the needs and desires of people without damaging the natural ecological relationships.

Plan to elevation
technical drawing - landscape
Landscape drawing examples
technical drawing - landscape
Landscape design examples
technical drawing - landscape
Landscape design examples
technical drawing introduction

Attention assignment 5

Elevation of your building with adjoining landscape.
technical drawing introduction

attention - assignment

Elevation of a building with adjoining landscape.

http://www.5min.com/Video/How-to-Draw-an-Elevation-238306302
tools you **must** have in the next class

Any 3 mediums for rendering
For e.g.,

- Color pencils
- Charcoal pencil
- Paints
- Pastels
- Markers etc.
Art is not what you see
but what you make others see

Edgar Degas
1834 - 1917
The Aga Khan Award for Architecture recognizes distinguished architecture that encourages social development, restoration, re-use and environmental responsibility in the Islamic world. One of the winning projects, the METI School of Rudrapur in Bangladesh, is a great example of these values. The school is an amazing hand-built project that showcases great sustainable design practices and locally-sensitive architecture. Elegantly fusing local knowledge, readily available renewable materials and new construction techniques, the project maintains a traditional identity while embracing modernity in both its form and purpose.
technical drawing introduction
building of the day

METI School of Rudrapur
Bangladesh | Volunteer architects Anna Heringer and Eike Roswag
technical drawing introduction

building of the day

METI School of Rudrapur
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building of the day

METI School of Rudrapur
Bangladesh | Volunteer architects Anna Heringer and Eike Roswag
technical drawing introduction

building of the day

METI School of Rudrapur
Bangladesh | Volunteer architects Anna Heringer and Eike Roswag
happy women’s day

the only creature in nature that hunts down its hunters and devours the prey alive.

Abraham miller
technical drawing introduction

video of the day

http://www.youtube.com/watch?v=1TBMnnzWZiI
DRAWING

a mean to design reasoning