Planes Planes and Planes

We don’t bend or flex. We are rigid bodies.
Nestlé Chocolate Museum
Rojkind Arq.
Mexico City

Courtesy of Paúl Rivera. Used with permission.

© designboom. All rights reserved. This content is excluded from our Creative Commons license. For more information, see http://ocw.mit.edu/fairuse.
White Elephant
Beuro Spectacular / Jimenez Lai
Seattle Public Library
OMA
Seattle, Washington

Photograph courtesy of Eric Kornblum on Flickr.
Helios House
Office dA
Los Angeles, California

Photograph courtesy of Brandon Shigeta on Flickr.
Helios House
Office dA
Los Angeles, California

Photographs (left and right) courtesy of Brandon Shigeta on Flickr.
Salvador Dali Museum
HOK
St. Petersburg, Florida

Photograph courtesy of Pinellas County Economic Development on Flickr.
Points | Lines | Planes
PLANES
definitions of unique planes

3 non-colinear points
2 crossing lines
2 parallel lines

4.105: Planes
points / lines / planes
defined by their projections and traces
POINTS / LINES / PLANES
defined by their projections and traces
LINES
special cases of lines and their traces

PLUMB OR NORMAL LINE

LEVEL ORFRONTAL LINE

PROFILE LINE
PLANES
special cases of planes and their traces

PLUMB OR NORMAL LINE

LEVEL OR FRONTAL PLANE

RAMP PLANE
GENERAL CASES OF LINES AND PLANES

Oblique line oblique plane

Intermediate constructions

Definition of an oblique plane using two parallel oblique lines

OBLIQUE LINE

OBLIQUE PLANE
INTERMEDIATE CONSTRUCTIONS

Definition of an oblique plane using two parallel oblique lines
INTERMEDIATE CONSTRUCTIONS

definition of an oblique plane using two parallel oblique lines
INTERMEDIATE CONSTRUCTIONS
definition of an oblique plane using two parallel oblique lines
INTERMEDIATE CONSTRUCTIONS
intersection of two oblique planes
INTERMEDIATE CONSTRUCTIONS
intersection of two oblique planes
INTERMEDIATE CONSTRUCTIONS
intersection of two oblique planes
INTERMEDIATE CONSTRUCTIONS

definition of an oblique plane from an oblique plane figure
INTERMEDIATE CONSTRUCTIONS

definition of an oblique plane from an oblique plane figure
INTERMEDIATE CONSTRUCTIONS

definition of an oblique plane from an oblique plane figure
INTERMEDIATE CONSTRUCTIONS

definition of an oblique plane from an oblique plane figure
INTERMEDIATE CONSTRUCTIONS

definition of an oblique plane from an oblique plane figure
INTERMEDIATE CONSTRUCTIONS

definition of an oblique plane from an oblique plane figure
INTERMEDIATE CONSTRUCTIONS
definition of an oblique plane from an oblique plane figure