

I've passed by

歷史斷裂的地理邊界 / 長城的再連結

Geography Boundary of Historical Disjuncture

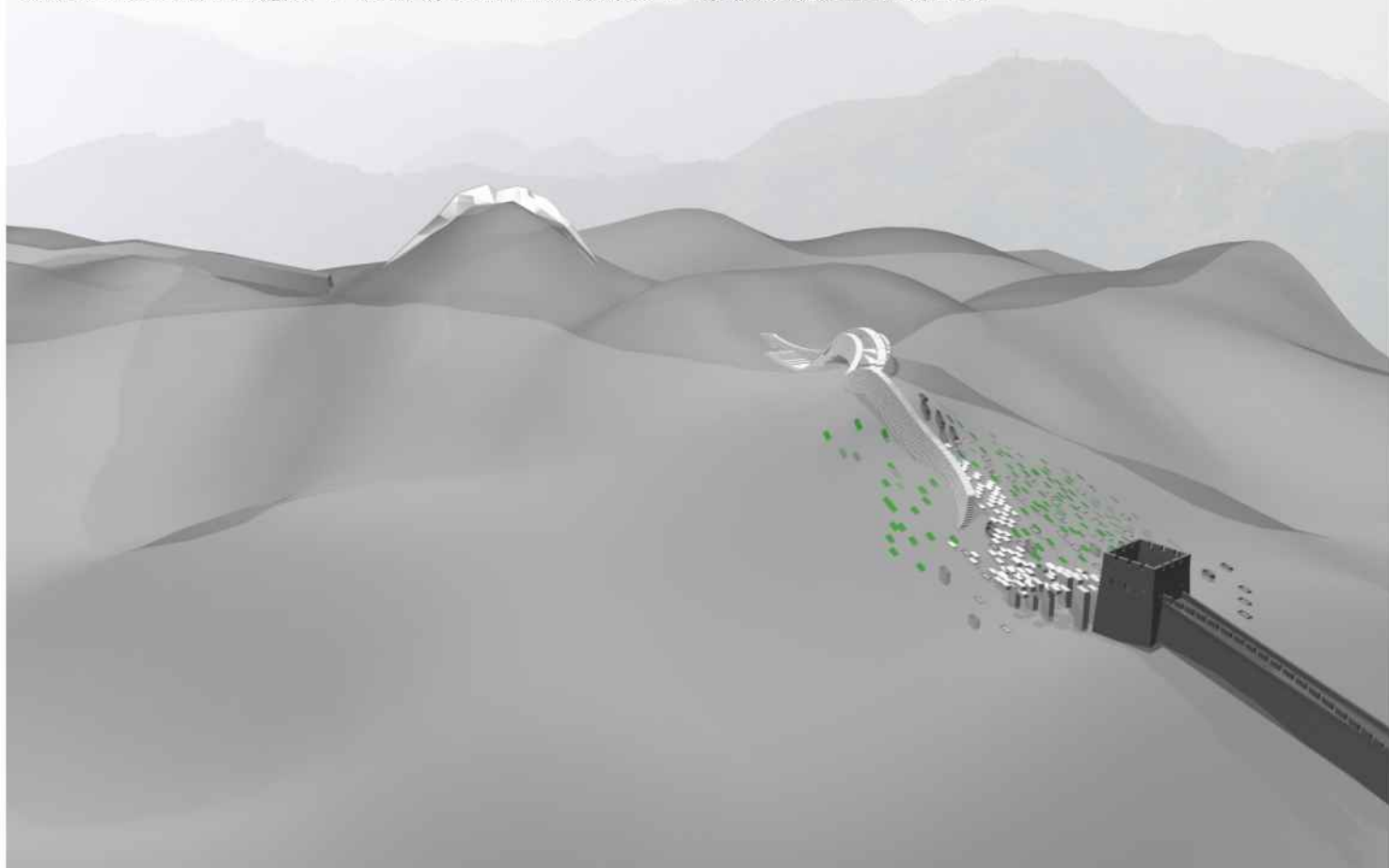
/ Re-Link the Great Wall

指導老師：劉育東、曾成德

Tutor: Yu-Tung Liu、David Tseng

二零零六 秋 2006 fall

過往歷史上地理的邊界 / 長城構造體的殘缺斷裂 / 尋求長城完整全新連結





萬里長城是中國最為著名的一道牆，但事實上他不只是一道牆，它其實是一座結合了各種防禦機能設施組成一體的防禦建築。毛主席說：不到長城非好漢！但走過人山人海的八達嶺長城，你只走了萬里長城的萬分之一！

Great Wall was combined of several **defensive function**, but now Great Wall is for **Sight-Seeing**.

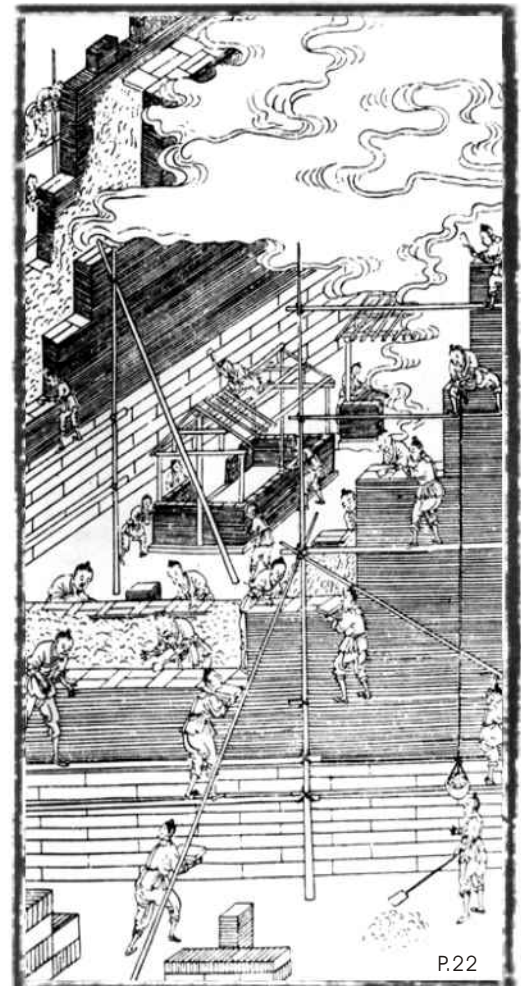
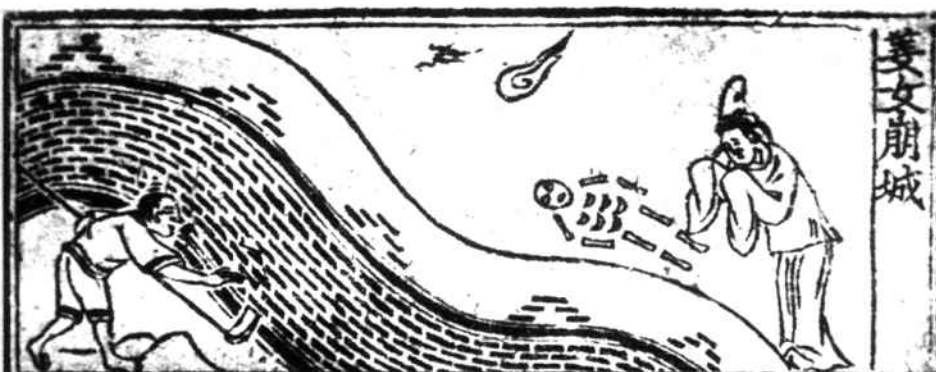
長城故事：

骸骨堆積建造的長城
孟姜女萬里尋夫哭倒長城

Legends and Stories :

There are ghosts stacked by Great Wall for construction and war.

One woman cries for her husband's death which was caused by the overload work of Great Wall's construction.



一致的剖面 不同的材料 蜿蜒在大地上



one section winds on landscapes with different materials.



不同時間的地景

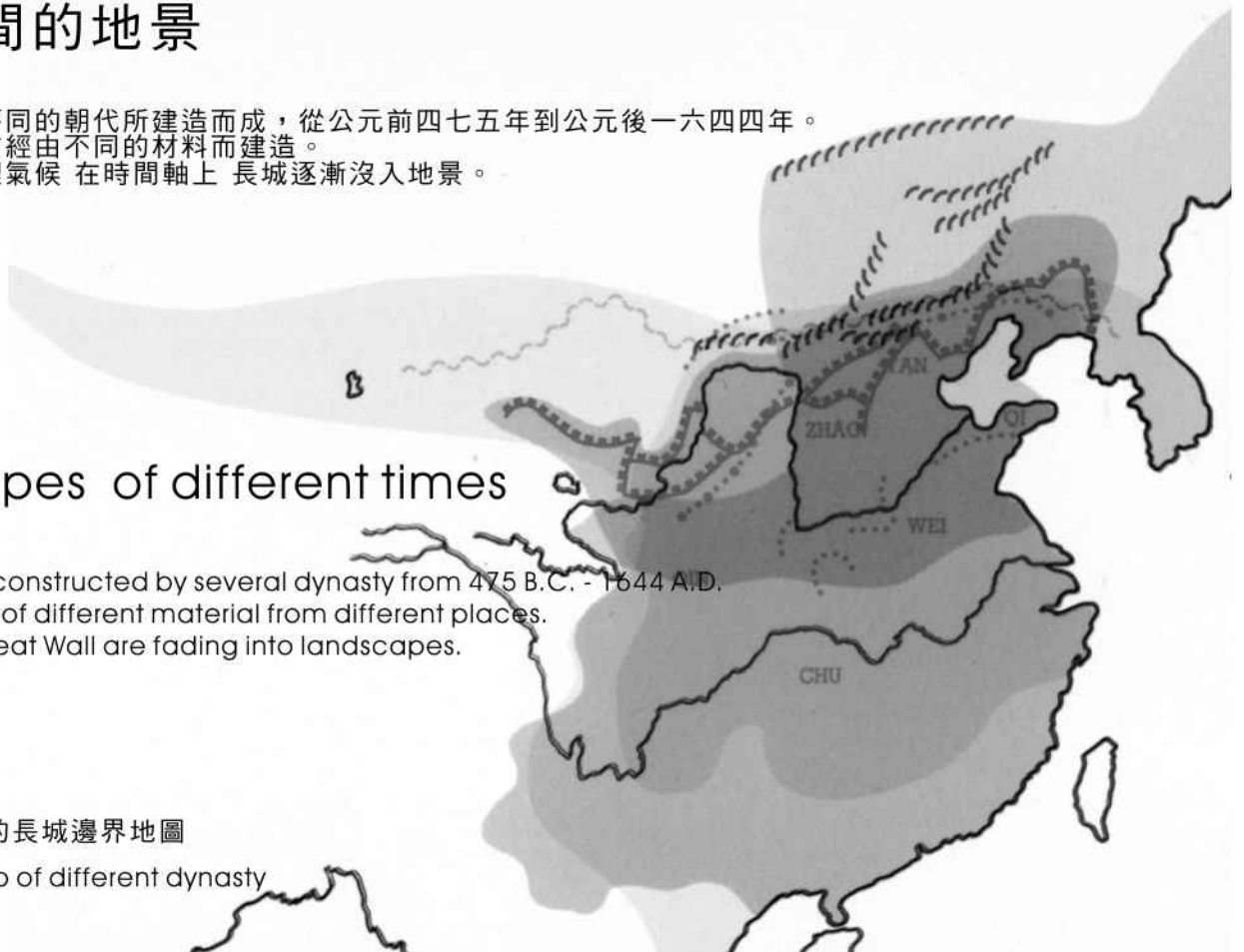
長城歷經許多不同的朝代所建造而成，從公元前四七五年到公元後一六四四年。
而在不同的地方經由不同的材料而建造。
經由不同的地理氣候 在時間軸上 長城逐漸沒入地景。

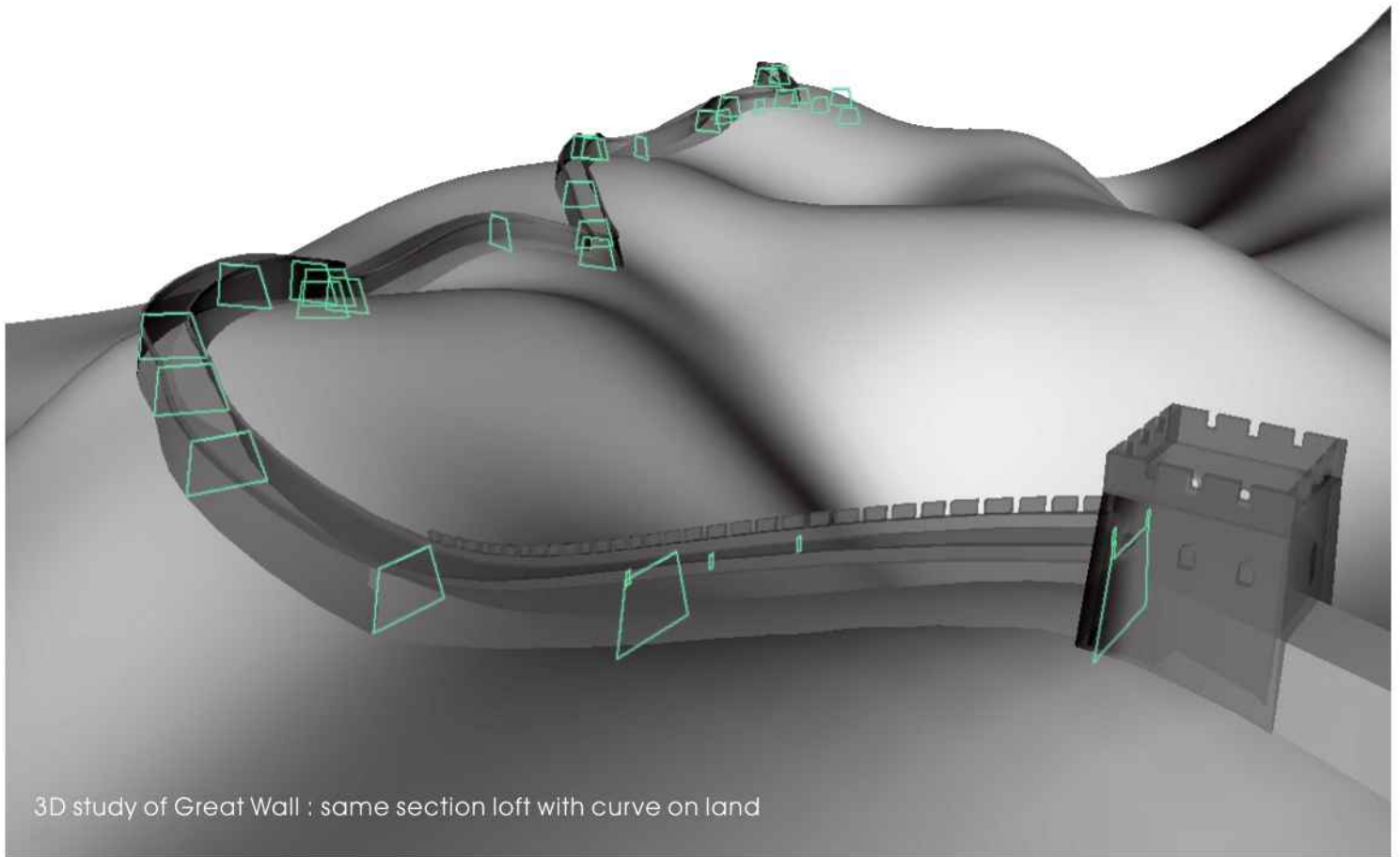
Landscapes of different times

Great Wall are constructed by several dynasty from 475 B.C. - 1644 A.D.
They are made of different material from different places.
The forms of Great Wall are fading into landscapes.

不同朝代疆域的長城邊界地圖

Great Wall Map of different dynasty

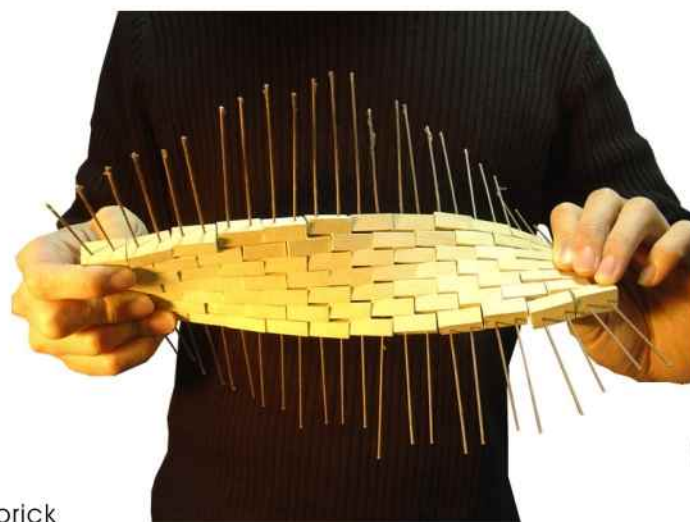
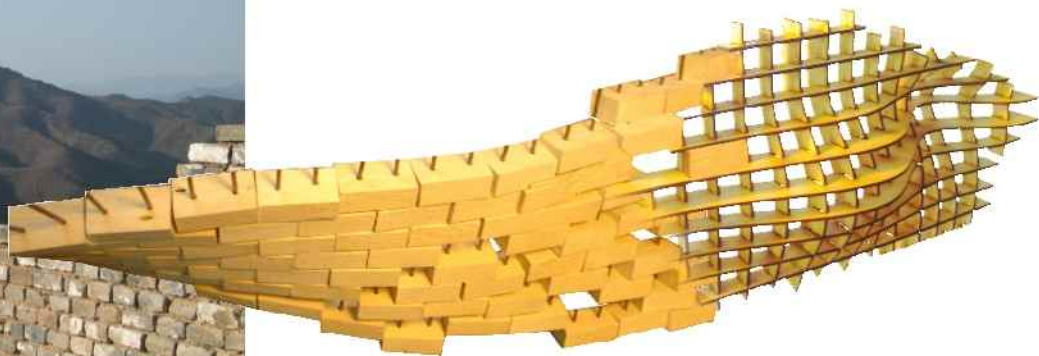




3D study of Great Wall : same section loft with curve on land



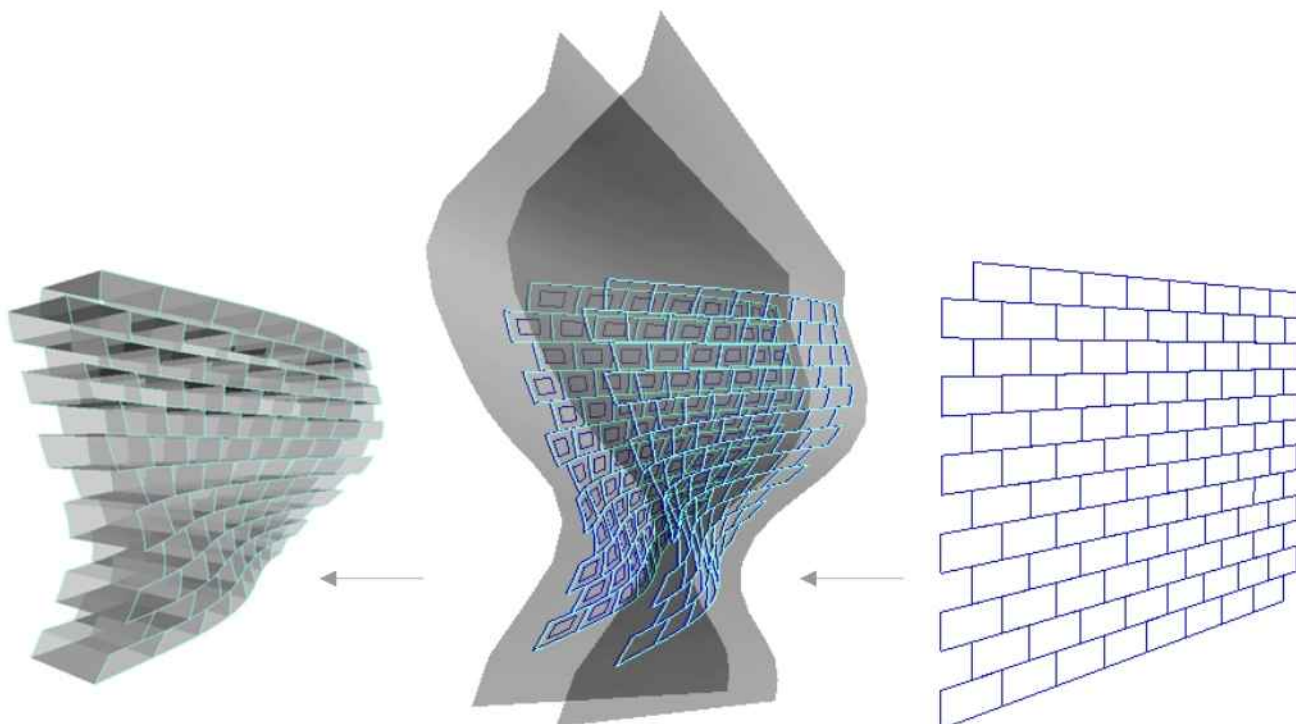
長城磚的演化 evolution of the Great Wall Brick



磚構造的研究模型

Study model from the Great Wall of brick

電腦輔助生成形體的方法 Fabrication Method by CAD/CAM



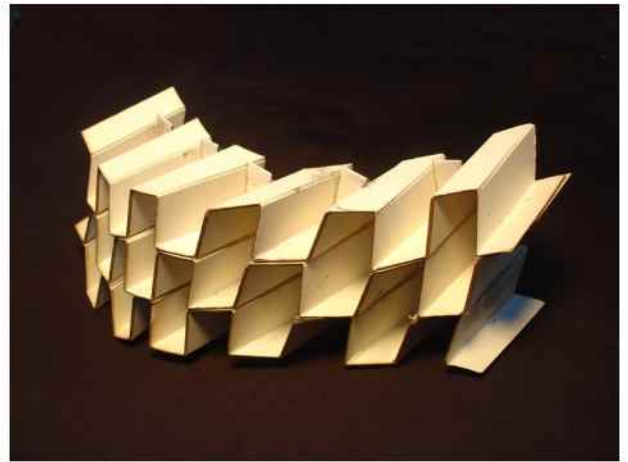
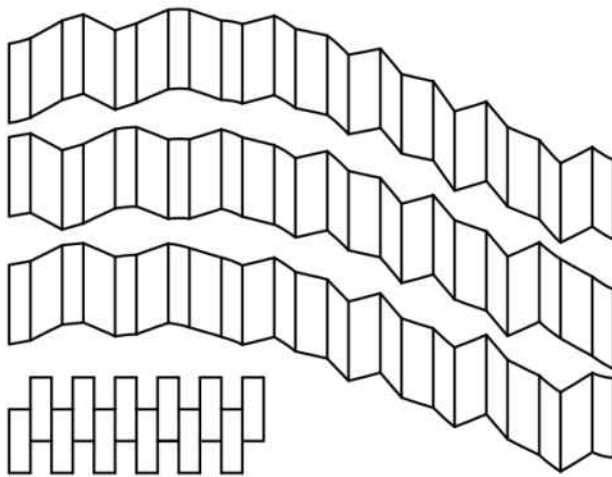
2. 取出兩道曲面上的線條封圍成面
Loft the lines on face to be face

1. 將磚的線條投影在兩道曲面上
Project the brick line on 2 faces

模型發展 study model in process

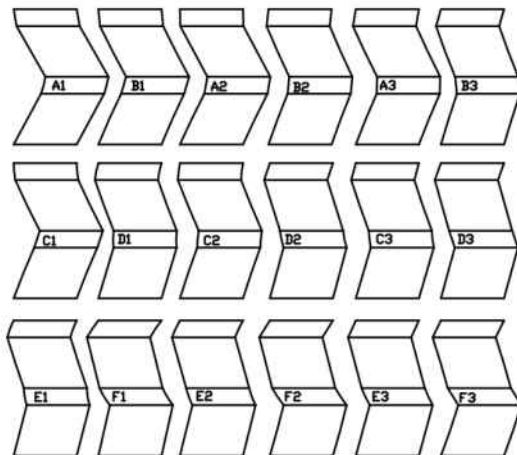
發展草模 1:
不易組裝, 誤差大

Physical model 1:
Not easy to assemble



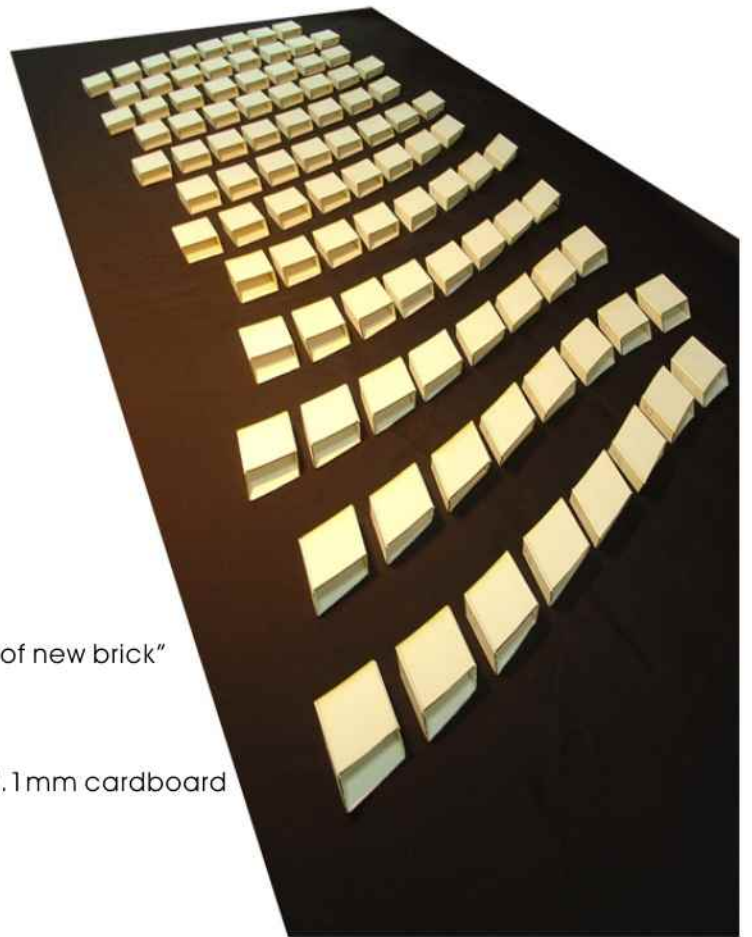
發展草模 2:
易組裝, 誤差小

Physical model 2:
Easy to assemble and it's more accuracy



發展模型 - 1

Model generation method 1 :



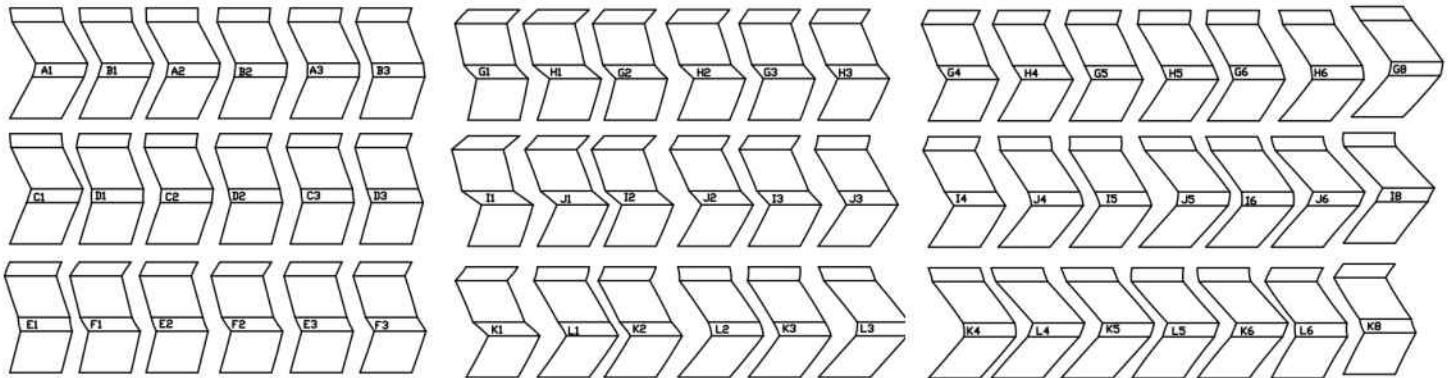
Step 1. **Project** brick pattern on 2 surfaces

Step 2. **Loft** the projected curves to generate "new wall of new brick"

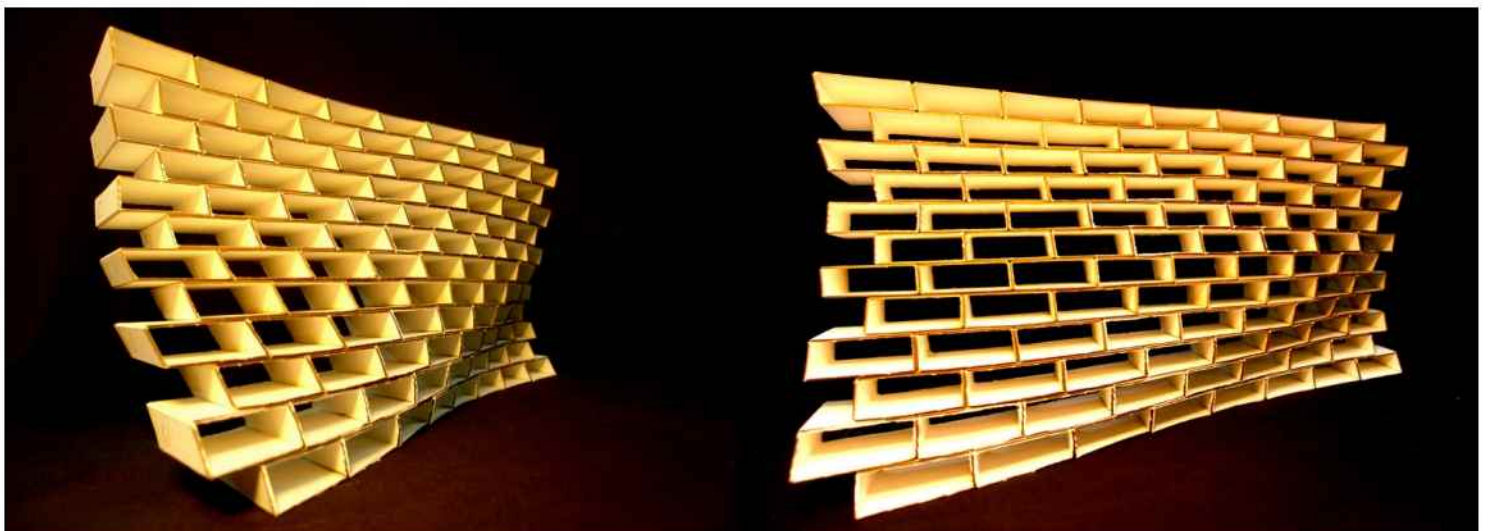
Step 3. **Duplicate** the line of the "new brick" on plane

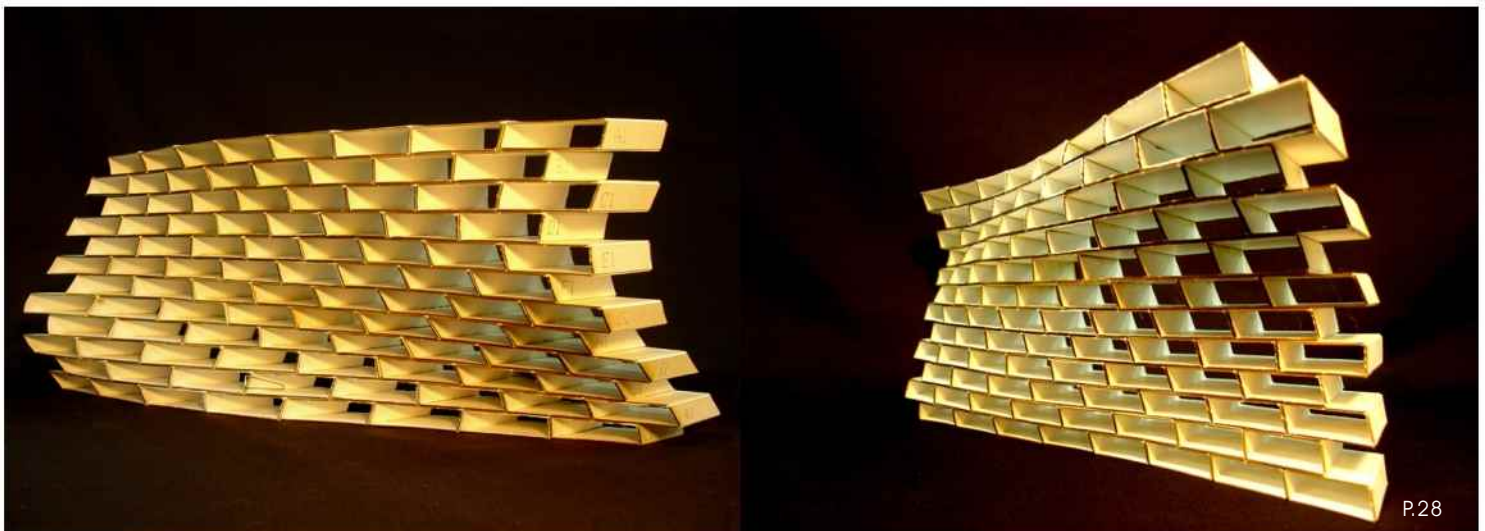
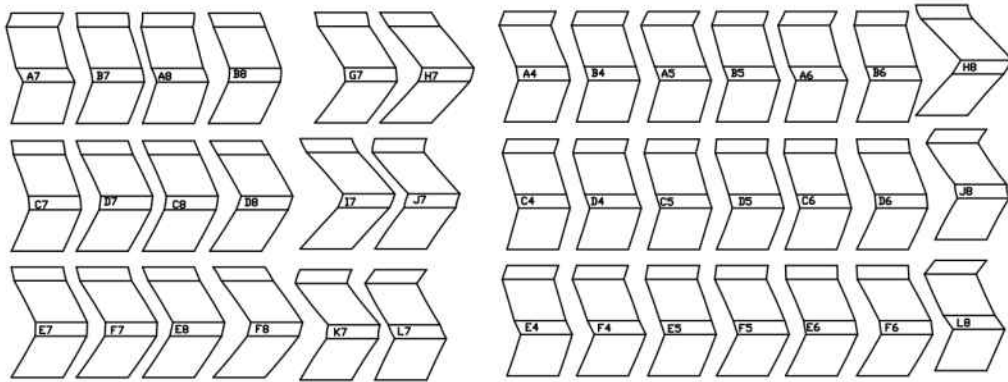
Step 4. use **Laser Cutter** to produce the "new brick" by 0.1 mm cardboard within the size : 45cm x 35cm

Unfolding drawings of Physical model 3 for **Step 4.** (Laser Cutter)

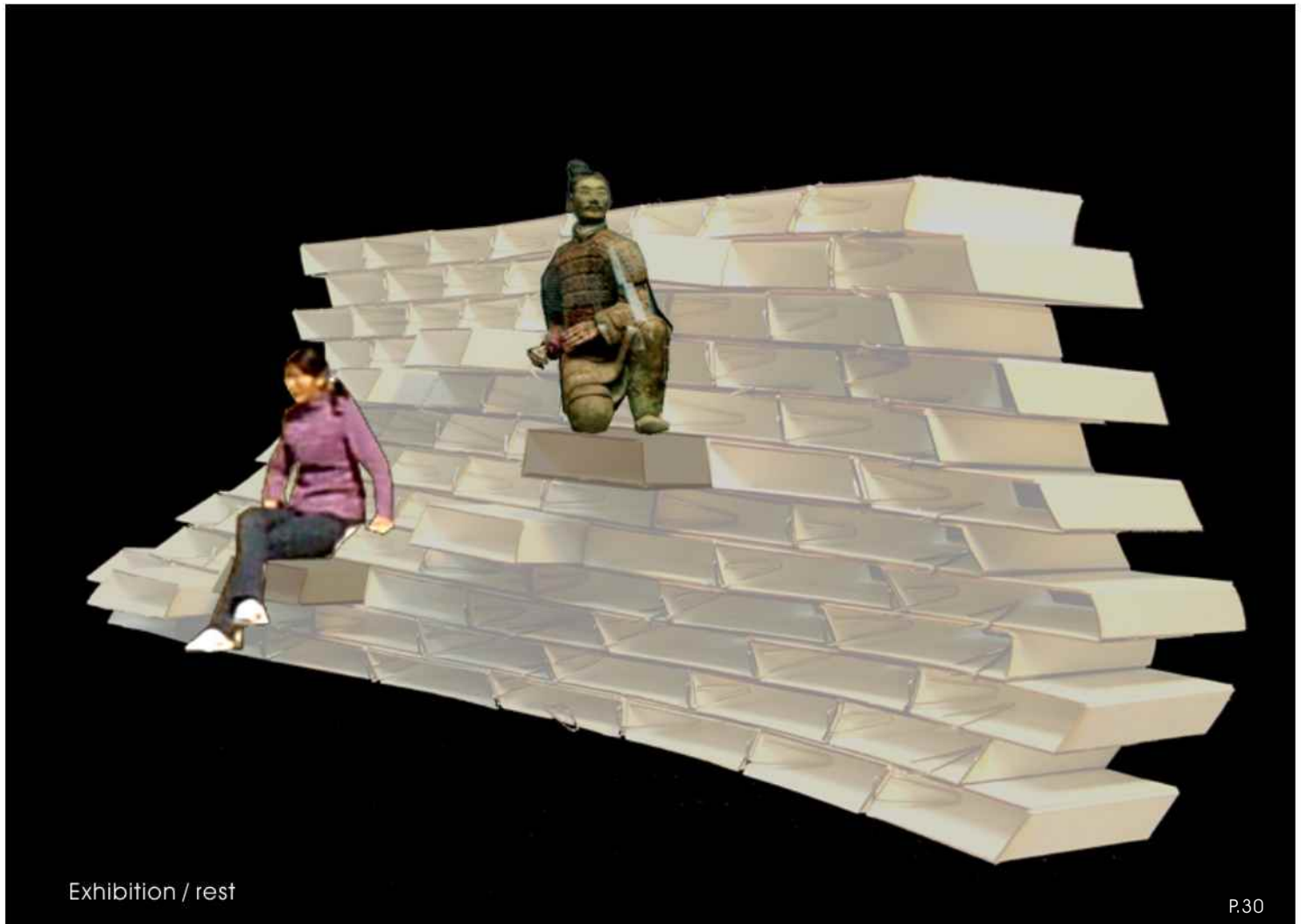
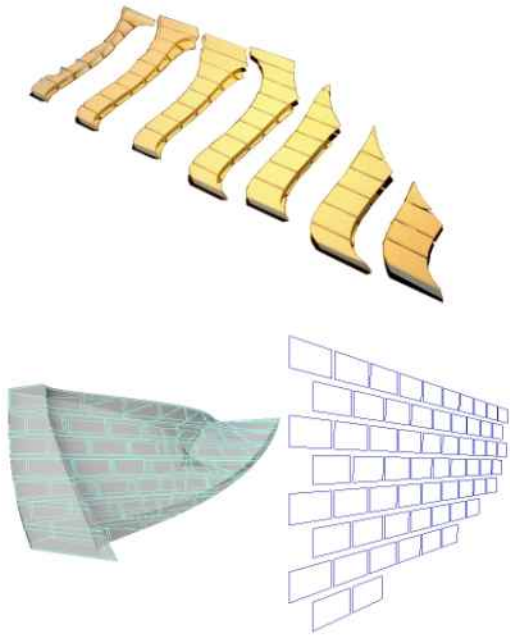


模型的動態視覺效果 Moving and visual effect on 3D model :





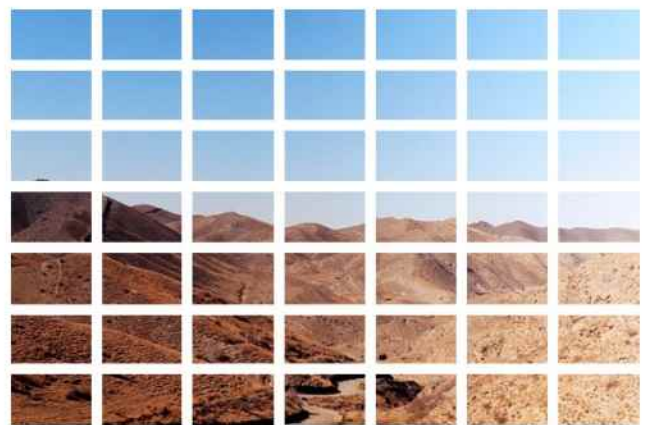
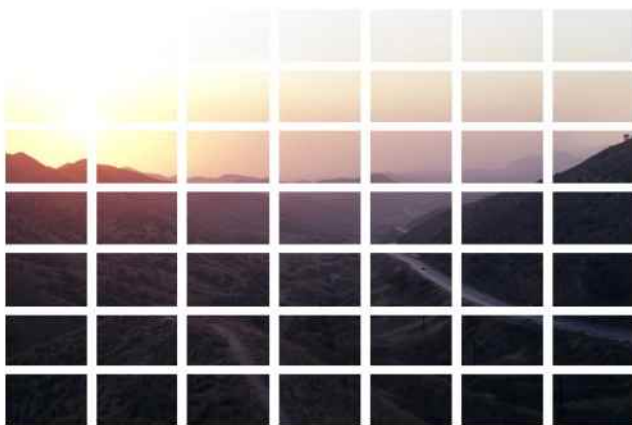
Physical Model 3

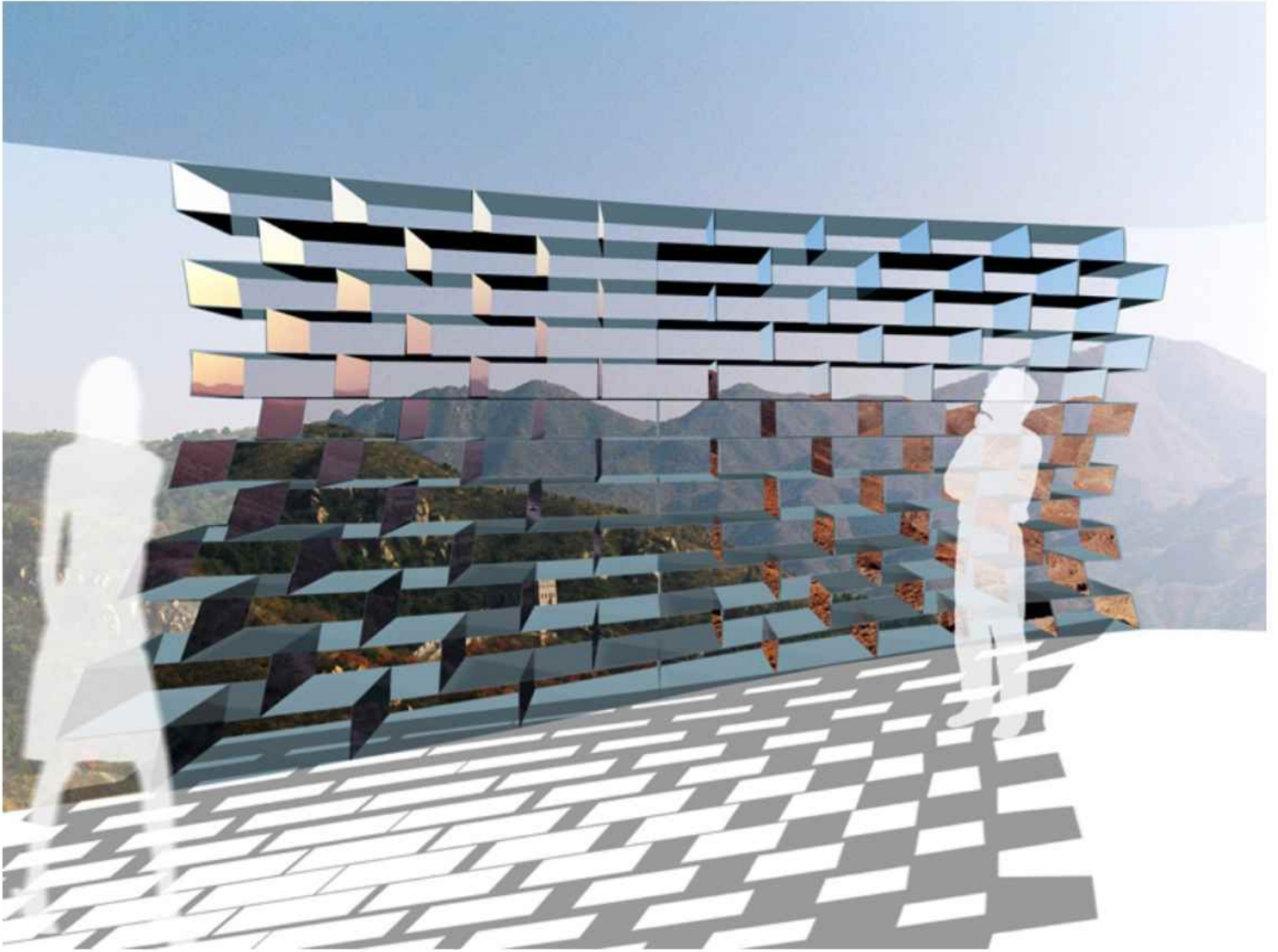


Exhibition / rest

動態視覺的空間敘事

landscape transitions by sight and moving





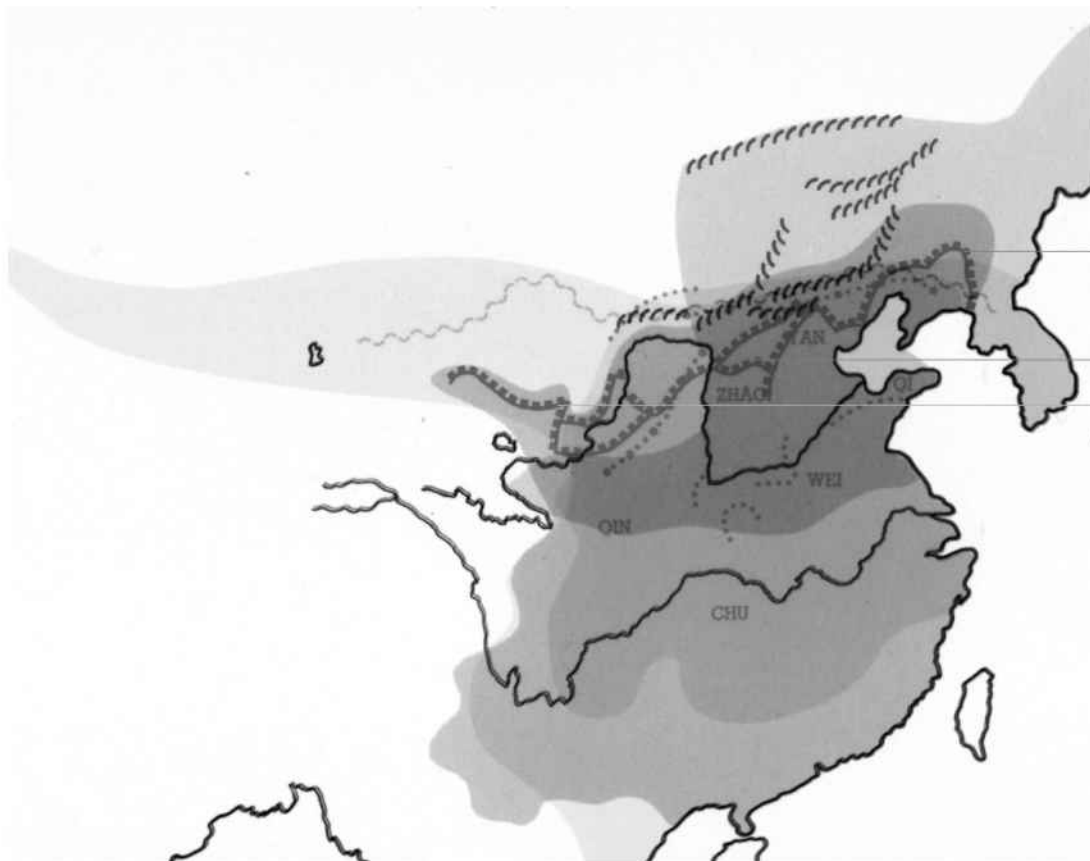
地景拼貼的空間敘事

Brick pattern projects on land :

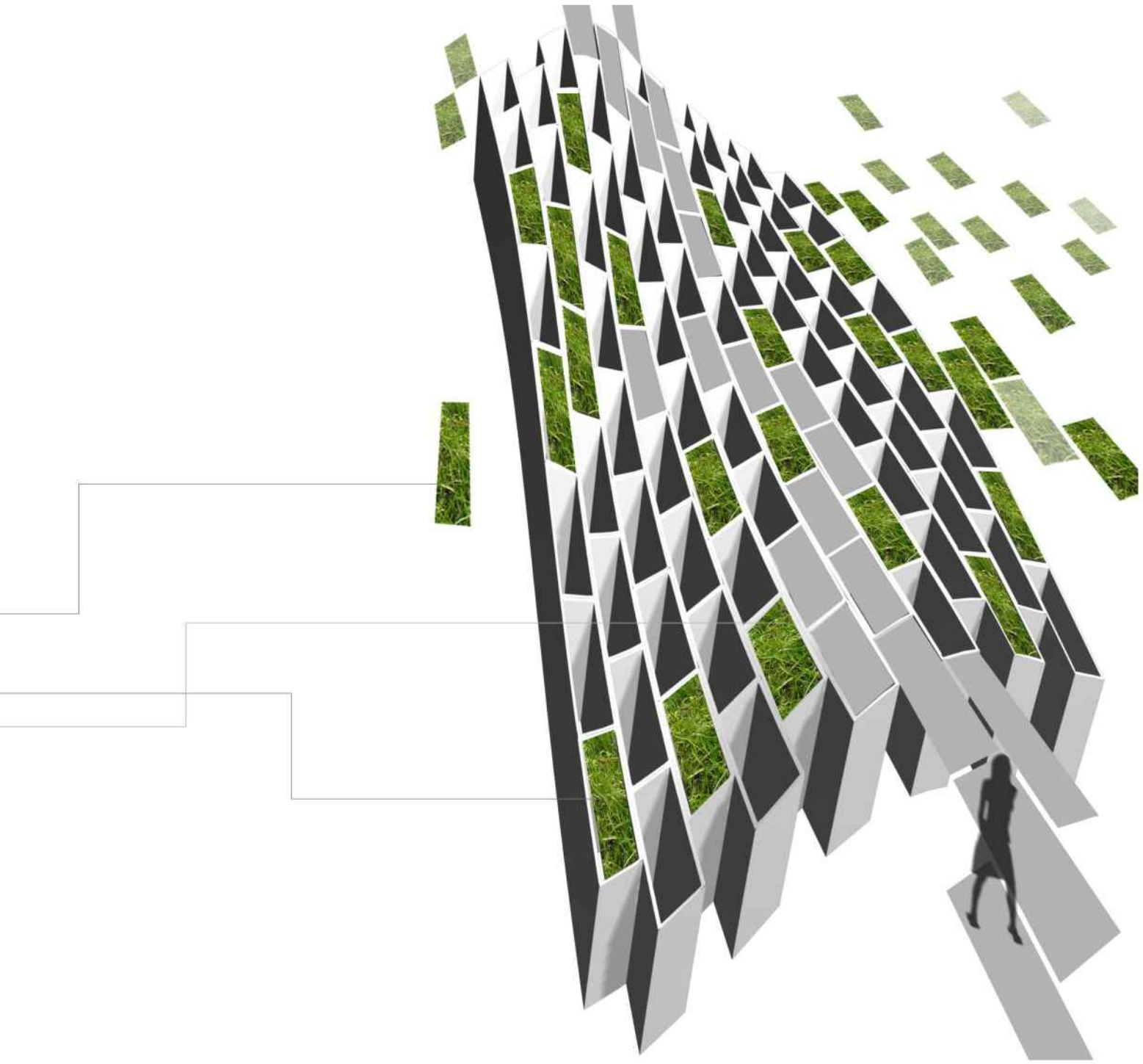
The empty of the land indicates nothing / since now Great Wall fight for nothing

The grass of the different places where exist the sections of Great wall

You just pass by them and walk on them . . .



Great Wall Map of china



在長城斷裂處的連結

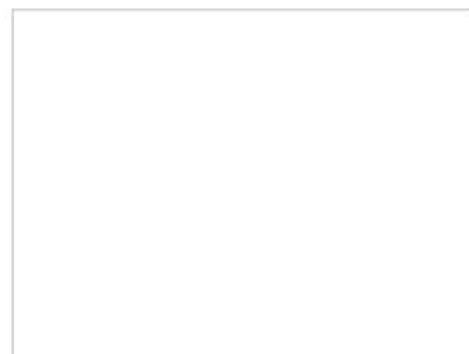
Bird view :

The design is to **link** the **break part** of Great Wall - Badaling Section near Beijing and **tell the story** of Great Wall through **passing by**. . .

Section 3 : folding wall rises from the land , and is filled with materials of different time / place.

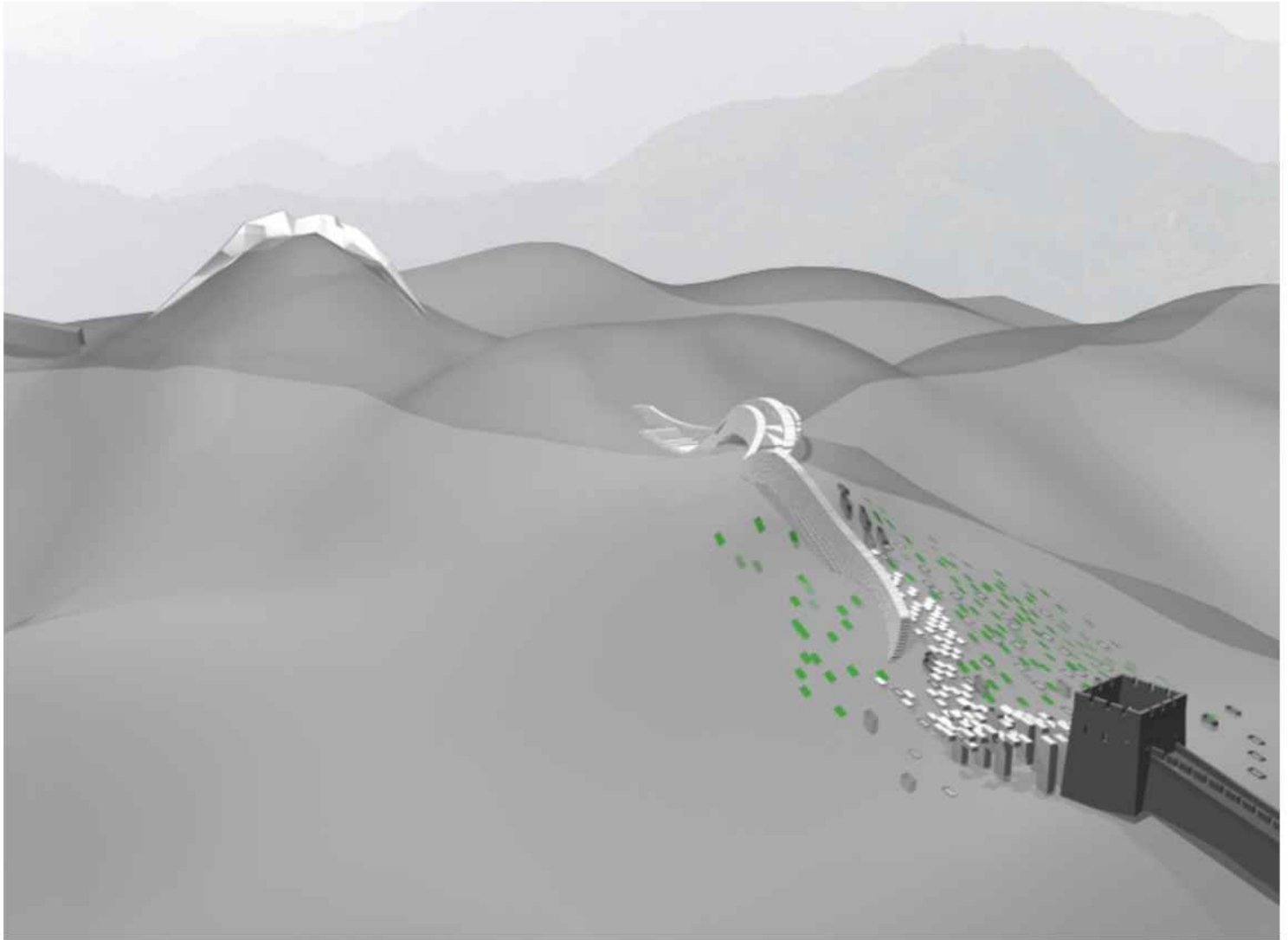


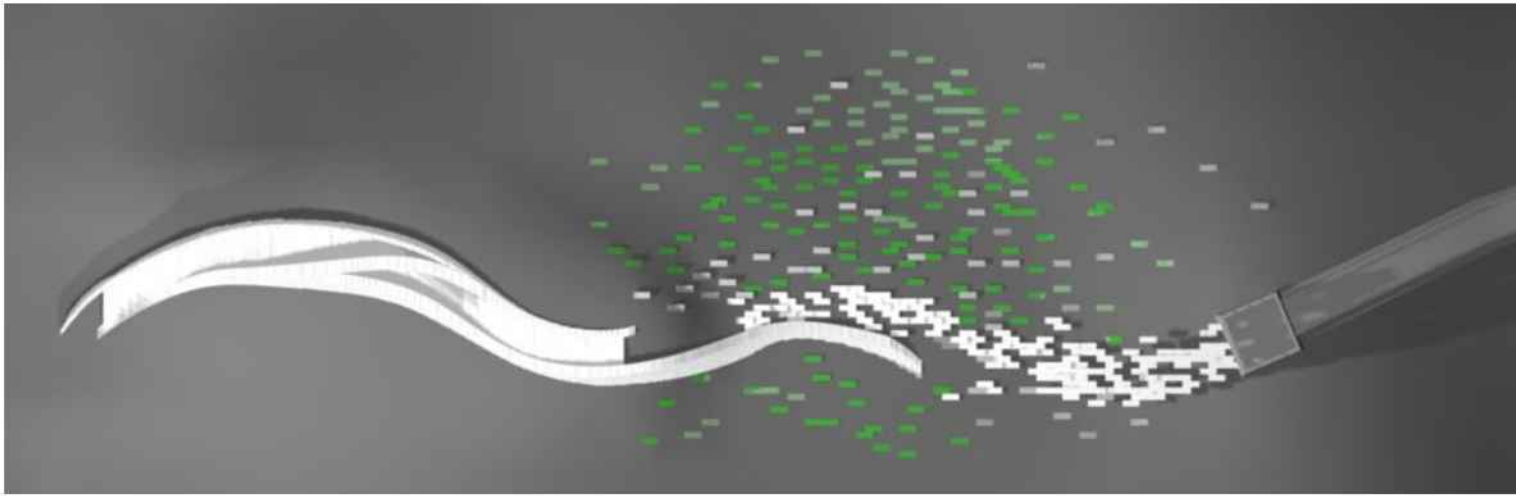
Section 2 : two winding walls represent the two forces fighting on the boundary.



Section 1 : brick pattern projects on land , and from the curve on land to produce the descending stairs and landscape "brick".







Scene 10



Scene 9



Scene 8



Scene 7



Scene 6



Scene 5



Scene 4



Scene 3

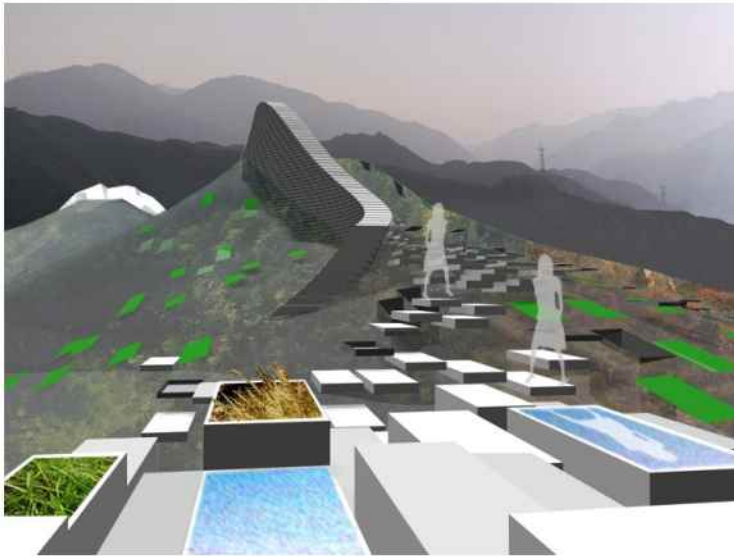


Scene 2



Scene 1

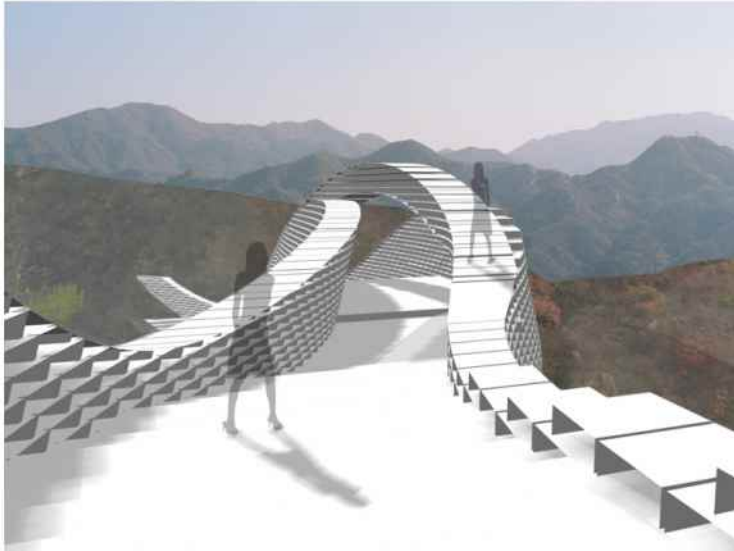
Scene 3



Scene 4



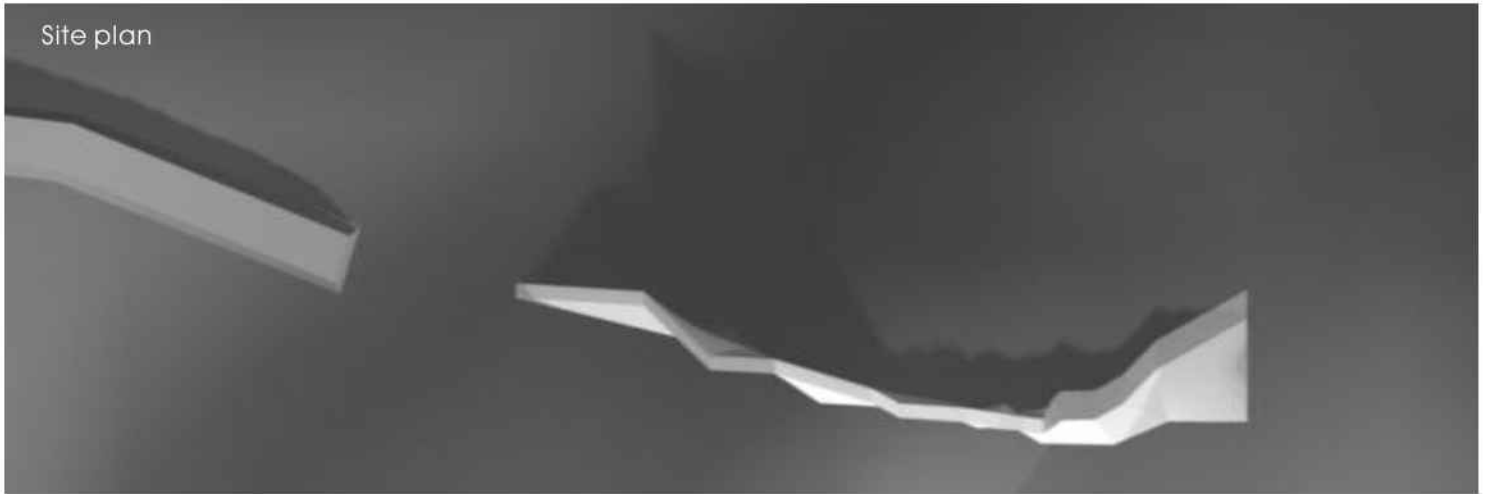
Scene 7



Scene 8



行進之間



Scene 15

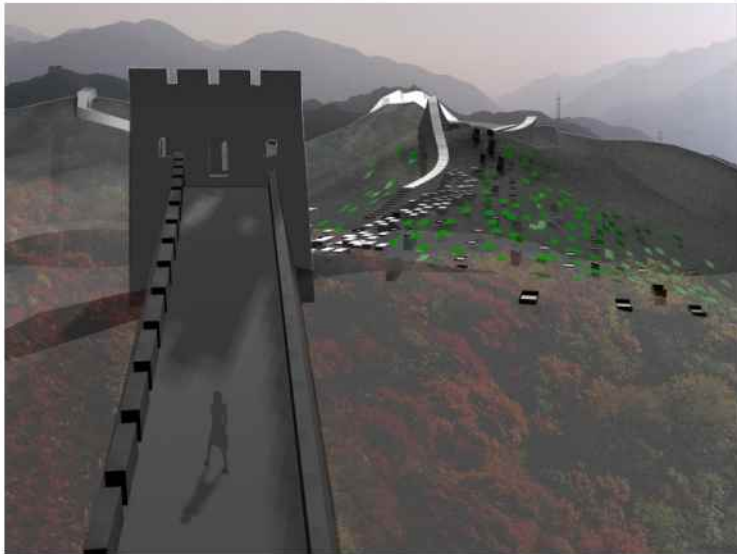
Scene 14

Scene 13

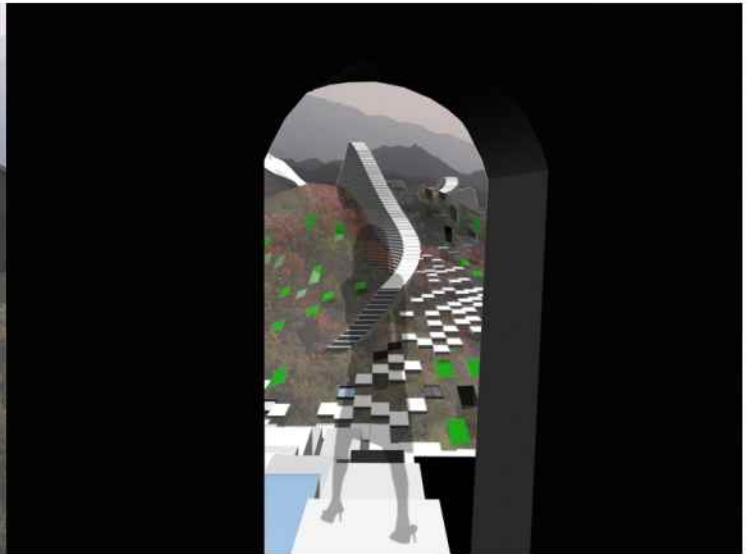
Scene 12

Scene 11

Scene 1



Scene 2



Scene 5



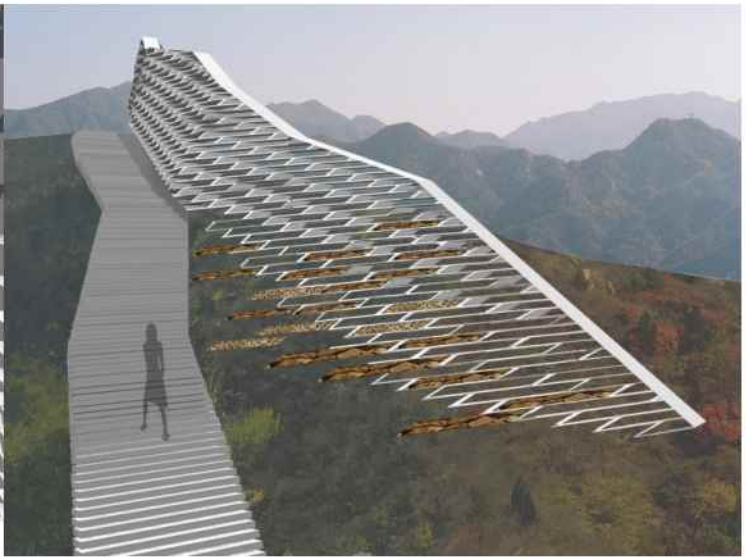
Scene 6



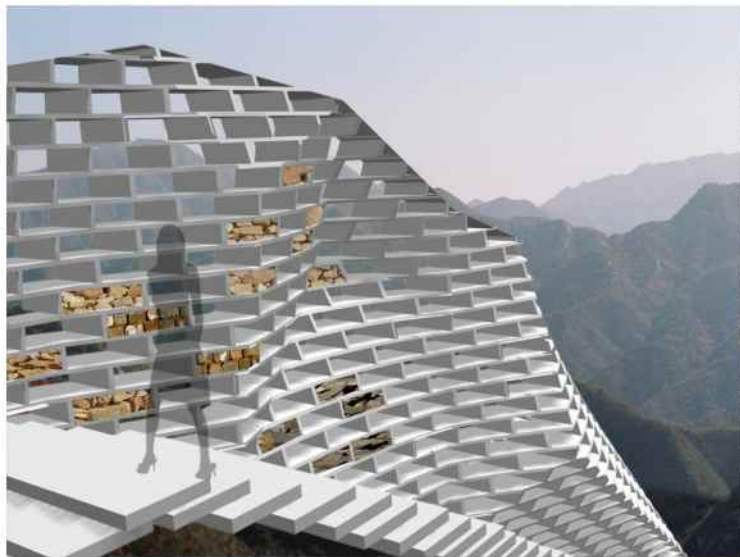
Scene 9



Scene 10



Scene 13



Scene 14



Scene 11



Scene 12



Scene 15



I've walked along Great Wall of 9 sections during 10 days in the autumn of 2006.

or another beginning ...

