3.1. COMPLEXITY ANALYSIS SYSTEM DEVELOPMENT Complex Facade (BLENDER) Building and Site (BLENDER)

> REAL SITE VIRTUAL SITE GEO POSITION 3D MODEL

Building and terrain

3D Virtual Exterior 3D Virtual Interior

MODELING Facade mapping

Window mesh retopology - 3 Pattern selection and Module preparation

FACADE DESIGN

LAB WINDOW DATA Dimensions, parameters P1: Hishi Pattern

P3: Asanoha Pattern

g) P1: Hishi Pattern- 1

h) P2: Tortoise Pattern- 2

PATTERNS MODULE

3 PATTERNS

P2: Tortoise Pattern

and decimation - Select 10 variations

with 10 levels of Complex Facade

OPERATIONS

- changes of pattern

on facade: on scale

translation, rotation.

3 axis deformation

i) FACADES P1: 10 facade variations **高 高 高** 5

PARAMMETRIC FACADE VARIATIONS

10 FACADE

VARIATIONS

FACADES P1

FACADES P2

FACADES P3

k) FACADES P2: 10 facade variations

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I) FACADES P3: 10 facade variations

3D MODELING

3.1.1.



TERRAIN.

Topography,

Vegetation, Context

BUILDING: Interior.

Exterior, Information

b) Real Lab Interior





d) 3D Virtual Interior











i) P3: Asanoha Pattern- 3



