Detail 3: Wall-Beam Connection  1:5

1. Wooden panel
2. Tapestry brick cover
3. Steel Plate - wall-beam connection
4. Screw
5. Steel rubber mat
6. 60 x 140 mm Wooden beam X 2
7. Skylight framing with gutter
8. 40mm Glazing

Detail 4: Weaken Wall connection  1:5

1. Glass lighting box
2. Steel plate to fix elastomeric device
3. Steel rubber mat
4. 15 x 15 mm rubber pattern
5. Light
6. 60mm screw

1. Secondary wooden beam, 100 x 120 mm, Strengthen of original wall-beam connection
2. Opening for skylight and ventilation
3. 80 x 120 mm Wooden beam, connection of new construction, detail 3
4. Lighting box
5. Weaken of brick wall, detail 4
6. 80 x 80 mm Wooden bracing column
7. Folded plate roof construction
8. 120 x 80 mm wooden column

Cross Section B  1:50
Vertical Section:

1 — Roof Construction
- Wooden board finishing 10 mm
- 25 x 25 mm Wooden battens
- 50 mm Insulation
- 15 mm Air space
- 50 mm Wooden counter battens
- Water proof layer PE-fld
- 5 mm Sheet metal
- 20 X 80 mm beam proof layer
- 10 mm indoor wooden finishing

2 — Wall Construction
- Wooden board finishing 10 mm
- 25 x 25 mm Wooden battens
- 50 mm Insulation
- 100 mm Counter battens
- 50 X 10 mm beam proof layer
- 20 mm indoor wooden finishing

3 — Floor Construction
- Wooden board 10 mm
- Wooden pressure resistant insulation 100 mm
- Water Proof layer PE-fld
- Mechanical ventilation 150 mm
- Wood fiber board 20 mm
- Floor heating system
- Timber battens 20 x 50 mm
- Finishing floor 20 mm

Horizontal Section:

4 — Wall Construction a
- Wooden Column 80 x 120 mm, 80 x 80 bracing
- 15 mm air space
- 150 mm Wooden sandwich panel
- Steel plate
- 80 mm air space
- 50 mm Insulation
- 50 mm Rain pipe
- 20 mm wooden board
- 15 X 10 mm counter battens
- 20 mm wooden board finishing

5 — Wall Construction b
- Wooden board finishing 10 mm
- 25 x 25 mm Wooden battens
- 25 x 25 mm Wooden counter battens
- Water Proof layer PE-fld
- 140 mm Wooden sandwich panel
- 10 mm indoor wooden finishing
1. Entrance (Reception)
2. Locker
3. Office
4. Toilet
5. Reading Room
6. Open reading area.
7. Restaurant
8. Kitchen
9. Temporary Exhibition Room
10. Cafe
11. Living Theme Exhibition Room
12. Craftsmen Workshop
13. Media Room
14. Statue
15. Shop
16. Storage
17. Courtyard
18. Outdoor restaurant area.
Joint Design

New wall-wall connection:
- Disattach of brick walls, and insert damping device
- Replaceable connection for maintenance

Column-foundation connection:
- Side strengthen to against seismic motion
- Insert damping device
- Curved frame tracing

Weaken Wall-damage control connection:
- Insert damping material
- Lighting box
- Replaceable connection for maintenance

Seismic Strategy

Original brick work

Divided into separate volume

Disattach brick walls and insert damping device to allow movement
Weaken brick wall to control damage and reduce brittle behavior

Folded structure to provide external support of the brick work

On site restoration

New wall-wall connection:

Opening to communicate two sides

External timber frame with curved bracing

Folded plate roof construction

Horizontal frame to strength structure and facade installation

Weaken brick work to control the damage
Secondary beam to strength old wall-beam connection

Insert lighting box and maintenance device

Shelves, tables and chairs attached to the timber frame

Generated interior attached to the old building and fixed with each other

Open floor for loft and interior attached to old building

Folded roof and facade attached to the timber frame, opening towards north
Opening on old roof for skylight