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影像：保羅·沃爾科（圖片由GLUCK+提供） 文字：GLUCK+
Photo: Paul Warchol (Images courtesy of GLUCK+) Text: GLUCK+

設計案的建築細部設計基於特定地點與時間，受兩個獨立因素所影響：第一是符合建築或空間的整體設計理念；第二點更重要，亦即使用可利用的資源落實細節的能力。從公司成立之初，構築建築物的手段與方法一直與概念思維密不可分且同等重要，這是設計建築的核心。從最初的形成概念階段到最終的細部規劃的整個過程中，建築師參與愈深，愈可能落實設計，也愈可能營造良好的建築。從更平實的角度來看，設計過程是透過詩意的手法去實現以下建築概念屬性的完美重合：其背景（如何融入環境）、其計畫（如何運用建築）、其結構（雕塑的實體存在），以及其社會責任（對整個社會的價值）。（這些概念屬性的）完整重合其實可代表完美的圖解。當然，完美的圖解是無法達到的。然而，從建築的最終形式來看，重疊程度愈大，而且重疊的詩意表達愈優美，便幾乎可從中評斷設計案是否成功。

Grounded in a specific place and time, the architectural detailing of a project is driven by two separate issues: first, the conformance to the overall design idea of a building or space; and second, more importantly, the capability of available resources to execute the detail. From the firm's beginning, the means and methods of building have always been inseparable from the equally important conceptual thinking at the heart of crafting architecture. The deeper the architect's engagement in the entire process — from the earliest phases of conceptualization, to the final details of construction — the greater the chances for the actual realization of a design and the emergence of good architecture. From a more prosaic perspective, the design process seeks a poetic realization of an ideal alignment of those conceptual attributes of a building: its context, or its fit into its place; its program, or use; its structure, or its sculptural material presence; and its social imperative, or its value to society as a whole. Complete overlap would in fact represent the perfect diagram. Of course the perfect diagram is unachievable. But the greater the degree of this overlap and the quality of the poetic expression of that overlap in the building's final form is, to a large extent, a measure of its success.

托馬斯·格魯克 Thomas Gluck

1969 Born in New York City, USA
1972 Peter L. Gluck, Architect is established
1992 ARCS Construction Services incorporated to build the firm's designs
1997 Master of Architecture from Yale University
2005 Joins Peter Gluck and Partners
2013 GLUCK+ is established



美國紐約觀望塔住宅
Tower House, New York, USA

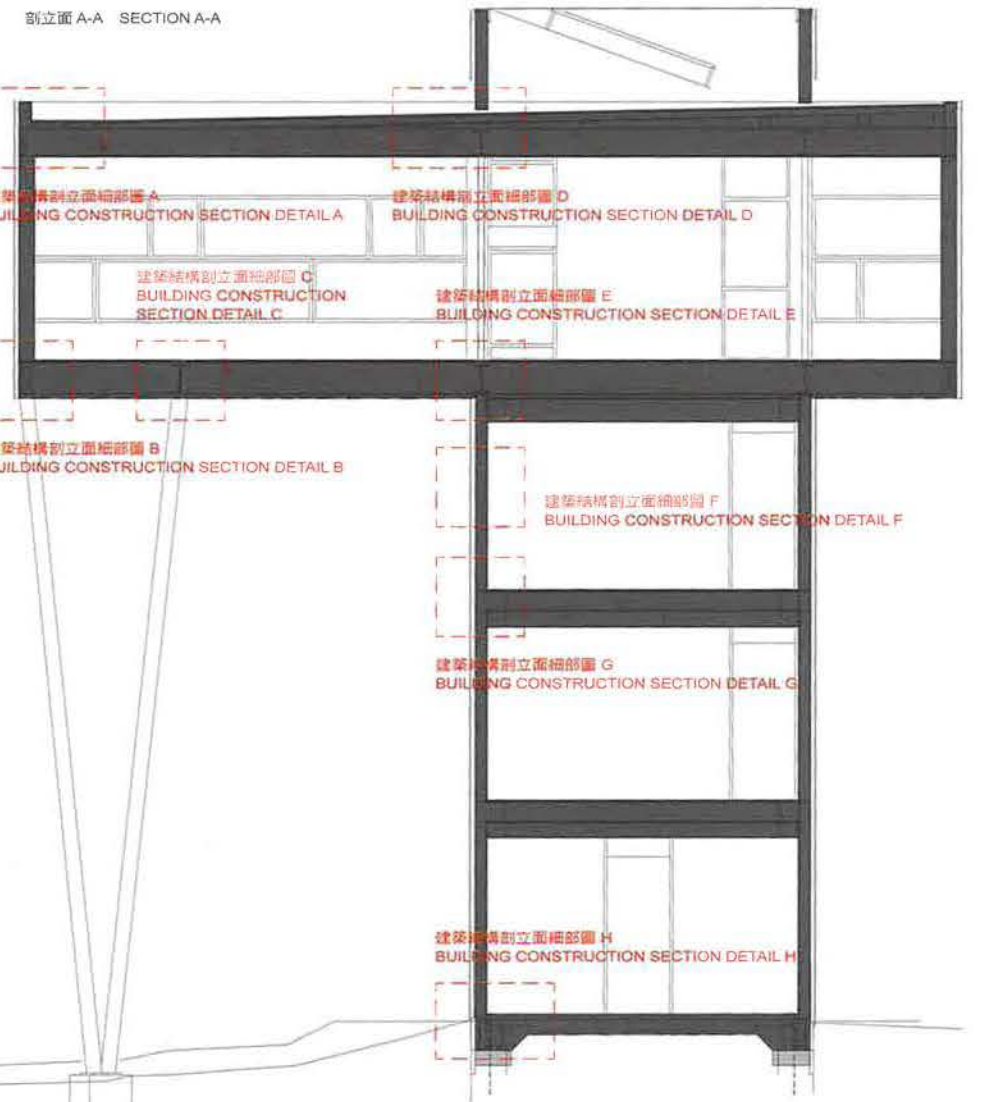
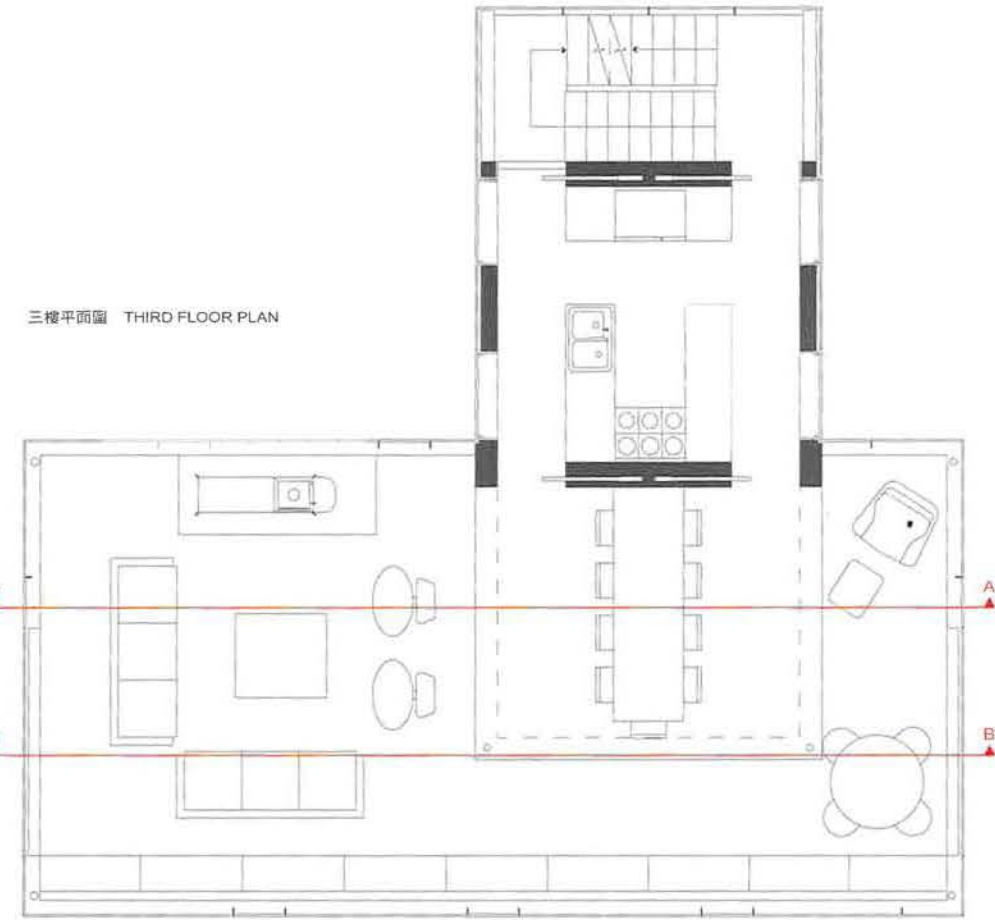
建築結構 美國紐約觀望塔住宅

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Photos: Paul Warchol (Images courtesy of GLUCK+)

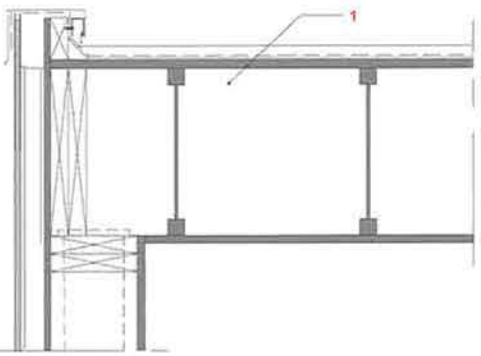
這棟三層度假住宅被設計成一道猶如通向樹梢的樓梯。為了讓量體佔用最少面積以免破壞林木蔥鬱的場址，每層都只設置一個小臥室與衛浴（亦即小型私人套房）。最頂層包含起居空間，猶如週遭林木的樹冠層，從樓塔向外擴展，讓業主得以飽覽遠處的湖光山色。有了高懸的戶外屋頂平台，起居空間便能延伸於樹梢之上，讓人遠眺壯麗的山林景緻。各級樓梯以透明玻璃覆，顯露出從底層到頂層的攀升結構，而墨綠的闇黑玻璃覆面則會映照週遭的樹林風貌，讓住宅幻化於無形而隱身於鄉野林間。觀望塔住宅（Tower House）是一棟度假屋，冬季只會使用幾個週末，夏季則多數週末都會用到。因此，設計這棟偶爾使用的建築時要著眼於永續與節能，將使用與維修費用降到最低。

This small vacation house is designed as a stairway to the treetops. Keeping the footprint to a minimum so as not to disturb the wooded site, each of the first three floors has only one small bedroom and bath, each a tiny private suite. The top floor, which contains the living spaces, spreads out from the tower like the surrounding forest canopy, providing views of the lake and mountains in the distance. An outdoor roof terrace deck above extends the living space above the treetops, offering a stunning lookout to the long view. The glass-enclosed stair also highlights the procession from forest floor to treetop aerie, while the dark green, back-painted glass exterior camouflages the house by reflecting the surrounding woods, de-materializing its form. As a vacation home, the Tower House is used during a few weekends in the winter and most weekends in the summer. The design imperative was to develop a sustainable, energy efficient solution with minimal operating costs and maintenance for a house occupied part-time.

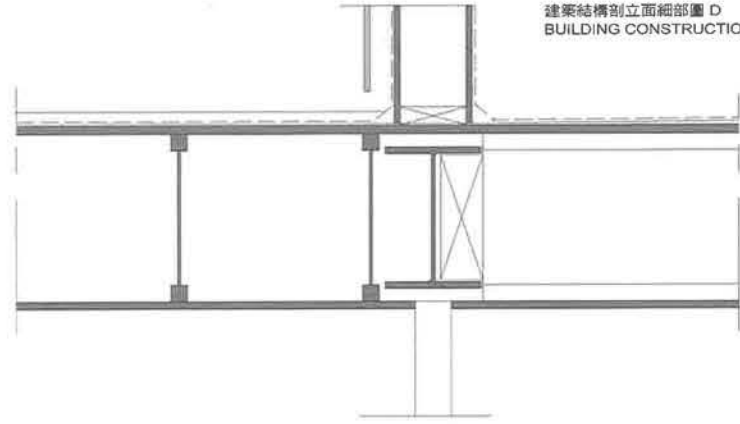




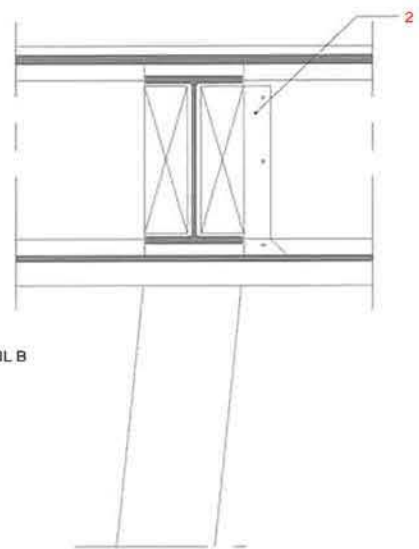
建築結構側立面細部圖 A
BUILDING CONSTRUCTION SECTION DETAIL A



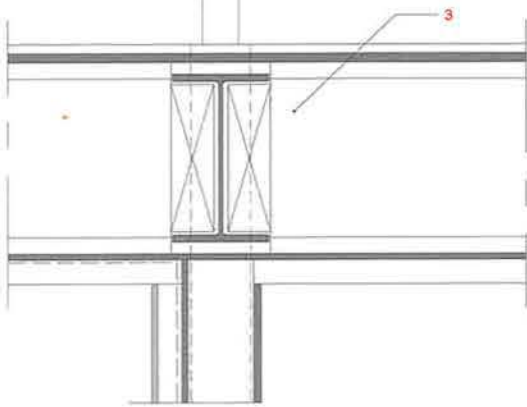
建築結構側立面細部圖 D
BUILDING CONSTRUCTION SECTION DETAIL D



建築結構細部圖 C
BUILDING CONSTRUCTION SECTION DETAIL C



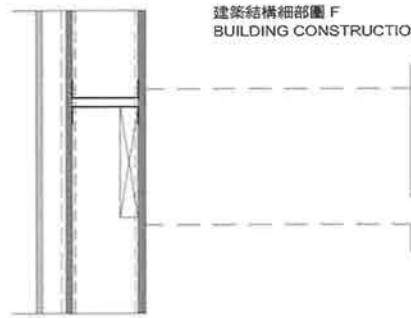
建築結構細部圖 E
BUILDING CONSTRUCTION SECTION DETAIL E



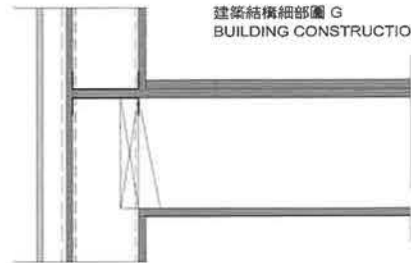
建築結構細部圖 B
BUILDING CONSTRUCTION SECTION DETAIL B



建築結構細部圖 F
BUILDING CONSTRUCTION SECTION DETAIL F

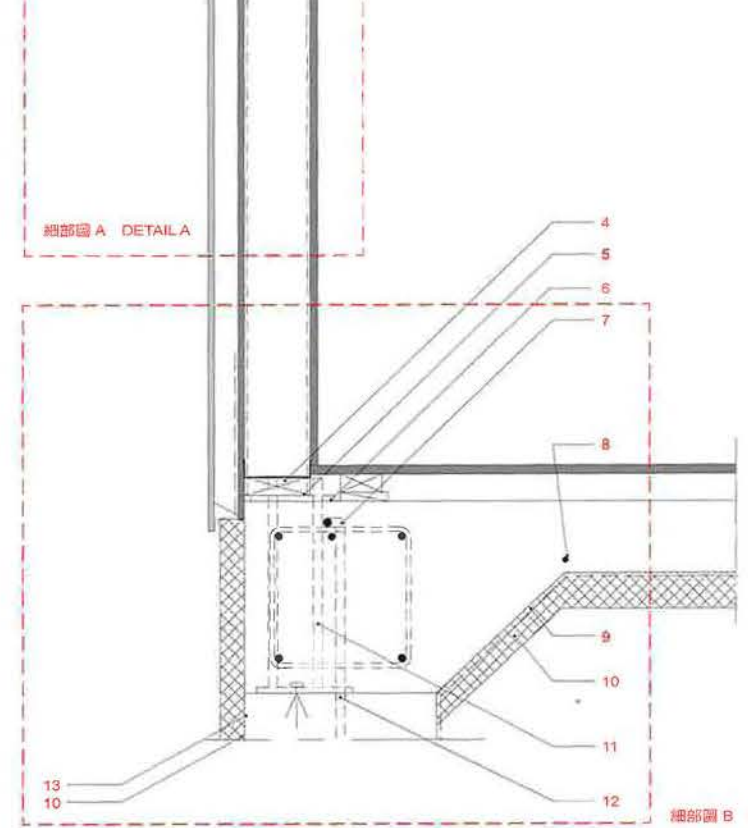


建築結構細部圖 G
BUILDING CONSTRUCTION SECTION DETAIL G

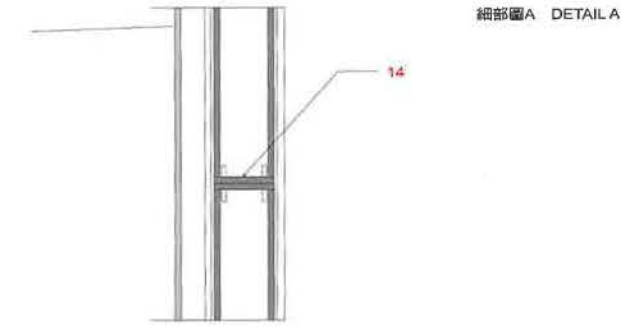


1. 14inch tji, typ.
2. tji hanger, typ.
3. 16inch tji, typ.
4. pressure treated lumber
5. column base plate 12×7×1/2inch, centered on wall 1/4inch weld to column
6. 1inch non-shrink grout at shims under columns, typ.
7. 9inch hook at top of anchor overlap stirrup and middle bar
8. grid @ 10inch o.c.
9. 0.01inch poly v.b., typ.
10. 2inch rigid foam
11. 3/4inch stnls stl threaded rods welded to ss baseplate
12. 8×12×1/2inch stnls stl plate
13. waterproofing
14. column joint
15. 5inch tube steel pipe column
16. 1/2inch steel base plate
17. stainless steel tension rod

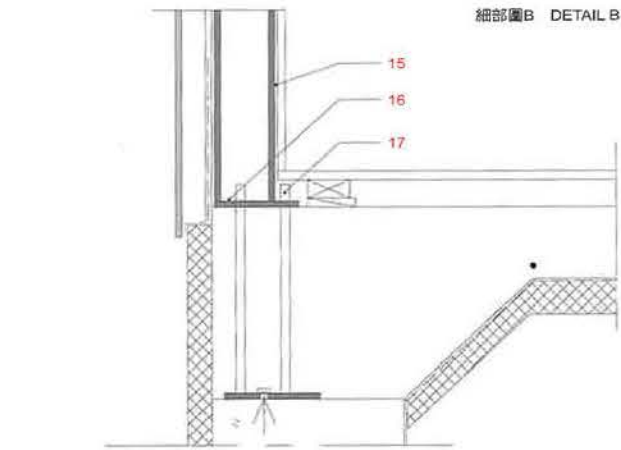
建築結構細部圖 H
BUILDING CONSTRUCTION SECTION DETAIL H



細部圖 A DETAIL A

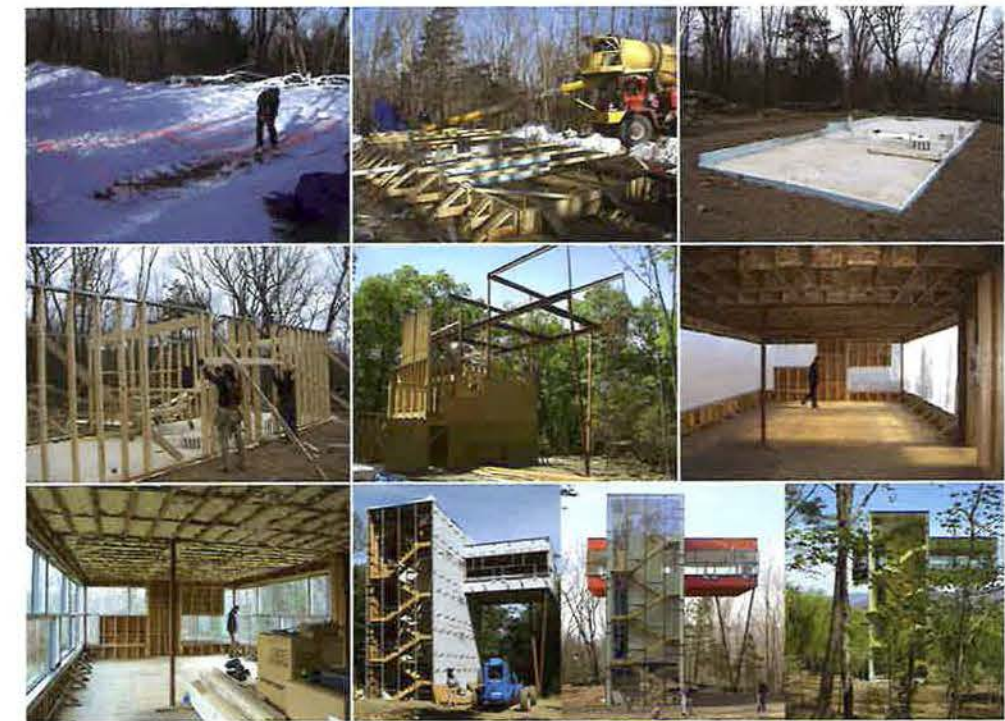


細部圖 B DETAIL B



細部圖 B DETAIL B

建築結構施工過程 THE PROCESS OF BUILDING CONSTRUCTION



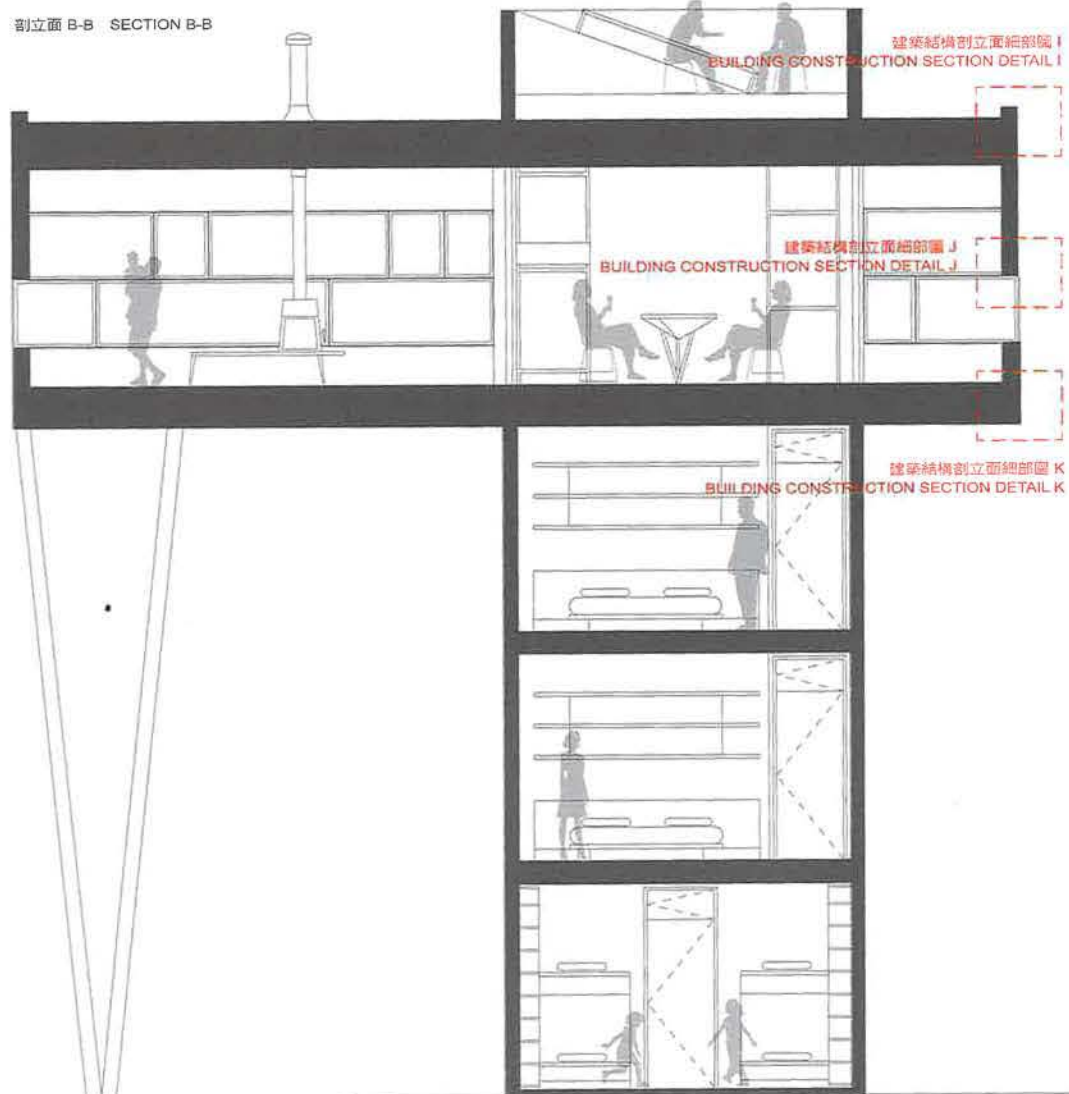
1. 14英寸型梁，標準規格
2. I型梁吊架，標準規格
3. 16英寸型梁，標準規格
4. 加壓處理木材
5. 立柱基礎底板12×7×1/2英寸，以牆為中心，焊接入柱子1/4英寸
6. 柱子下以1英寸無收縮水泥砂漿鋪在填隙木片上方，標準規格
7. 固定元件上方連接9英寸勾子，與筋筋和中間的桿條交疊
8. 網格，間隔10英寸
9. 0.01英寸聚乙烯防潮層，標準規格
10. 2英寸硬質發泡材料
11. 3/4英寸不銹鋼螺紋桿，焊接至不銹鋼底板
12. 8×12×1/2英寸不銹鋼板
13. 防水層
14. 立柱接頭
15. 5英寸鋼管柱
16. 1/2英寸鋼底板鋼底板
17. 不銹鋼張力桿

1. coping powder coated metal
2. intermittent cleat nailed to wood blocking
3. nylon bug screen
4. anodized aluminum angle
5. maintain 4" min gap between horizontal and vertical blocking to allow for airflow and drainage
6. backpainted glass rainscreen
7. cope blocking in and around steel plates, maintain air space at each vertical bay
8. gypsum wall board
9. channel beyond shown dashed

10. zero sightline operable window within custom steel frame structurally glazed window system
11. plywood sheathing
12. breathable waterproofing
13. flashing
14. furring
15. drip edge
16. anodized aluminum tee
17. backpainted glass rainscreen soffit
18. restraint clip at perimeter



剖立面 B-B SECTION B-B



1. 覆蓋噴漆金屬
2. 間歇夾板，釘在阻塊上
3. 尼龍防蟲網
4. 陽極氧化鋁角材
5. 在水平和垂直阻塊之間維持最少4英寸間隙，以通風和排水
6. 背漆玻璃遮雨屏
7. 在鋼板內和周圍覆蓋阻塊，在每個垂直隔間之間維持空氣流通空間
8. 石膏牆板
9. 處線外的管道
10. 由建築外觀不見窗框，可開關的玻璃窗系統，裝設在訂製鋼框架內
11. 夾板蓋板
12. 透氣防水層
13. 防雨板
14. 釘板條
15. 滴水層
16. T型陽極氧化鋁件
17. 背漆玻璃遮雨板拱腹
18. 周邊擋夾

建築結構剖立面細部圖 I BUILDING CONSTRUCTION SECTION DETAIL I

