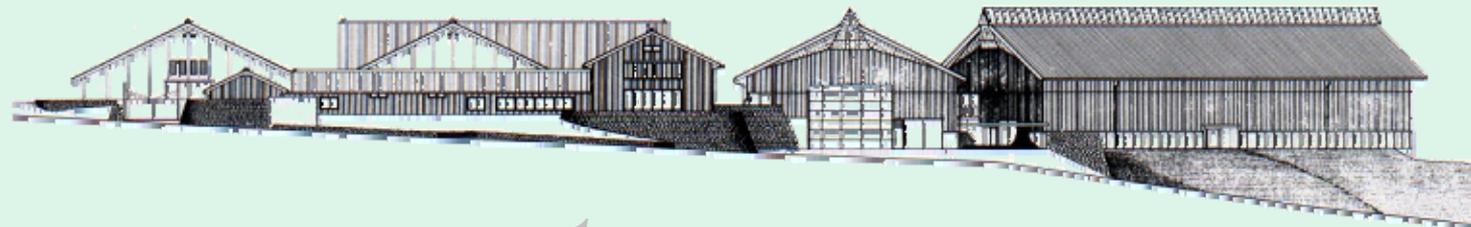


第三講

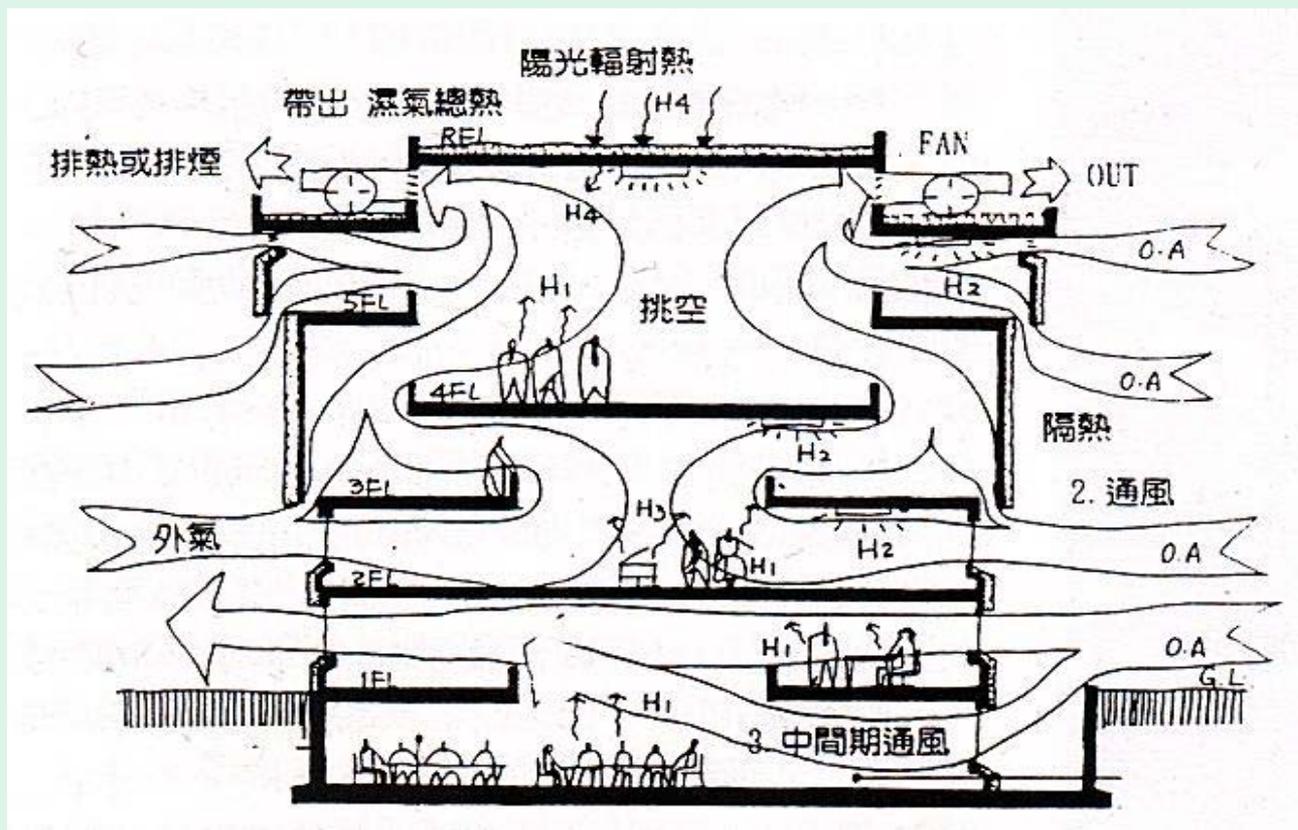
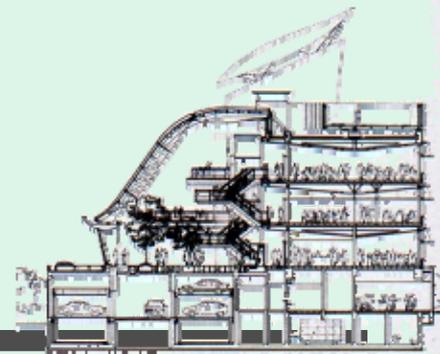
綠建築規劃設計案例解說一

講述者：翁彩瓊

2/3



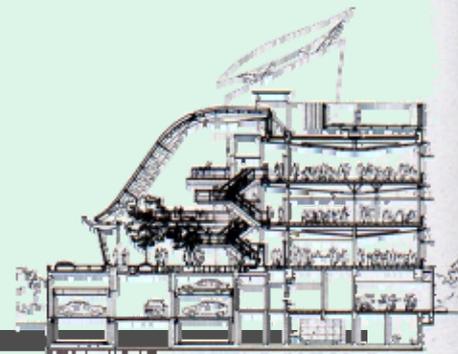
日常節能、室內環境改善指標



- ◆ 中原大學圖書館
- ◆ 浮力通風示意圖



日常節能、室內環境改善指標



1.



- ◆ 中原大學圖書館
- ◆ 1.會議廳自然採光節能設計
- ◆ 2.閱覽室自然採光節能設計

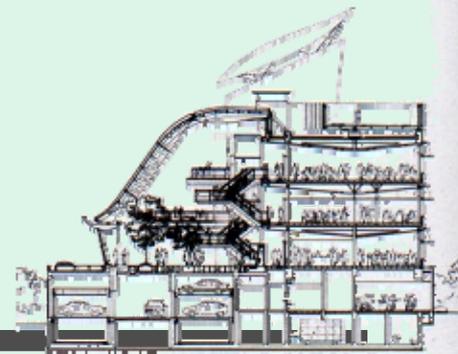
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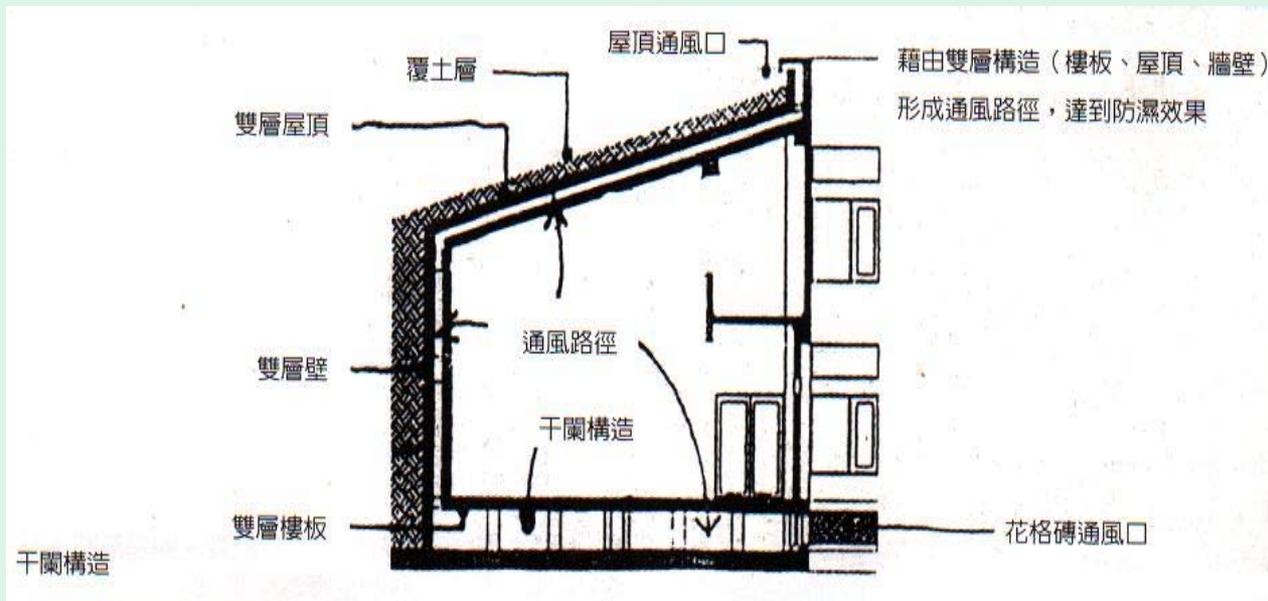
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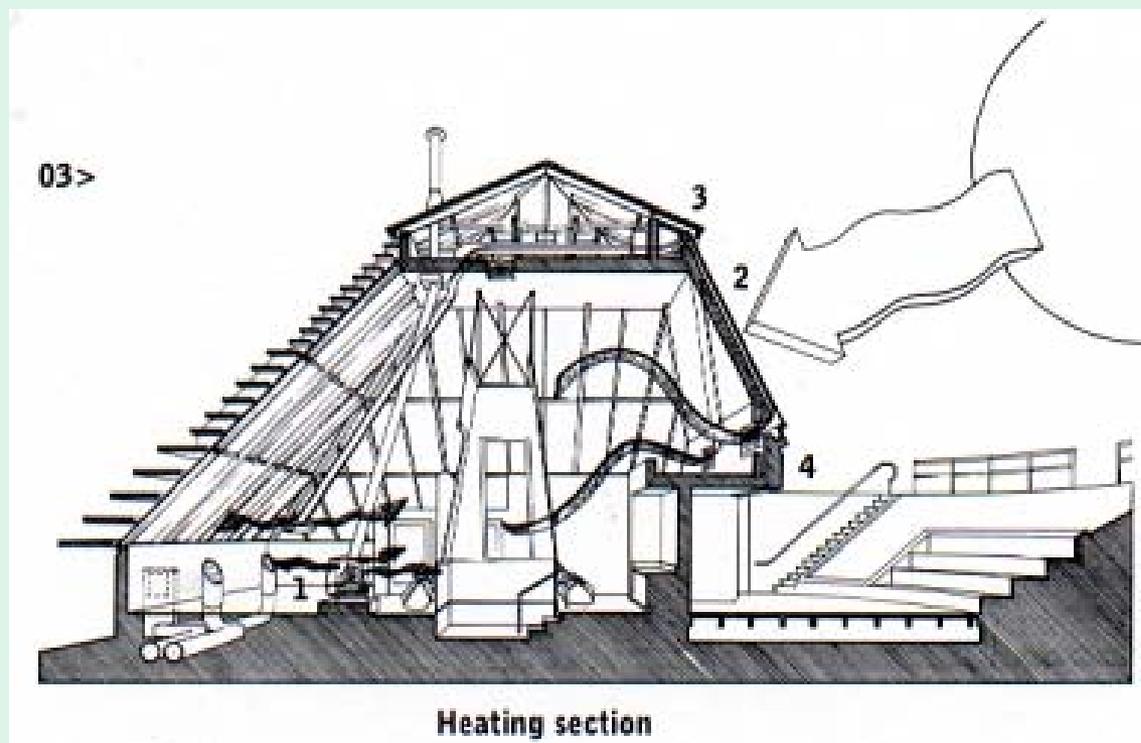
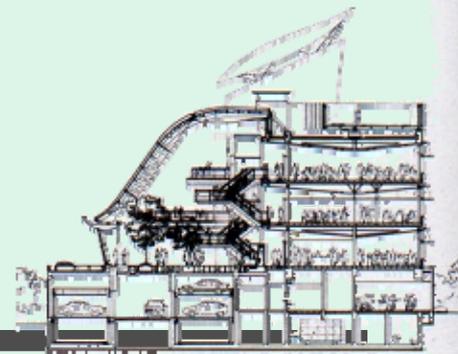
日常節能、室內環境改善指標



- ◆ 嘉義二二八紀念公園
- ◆ 覆土、植栽屋頂的斷熱處理
- ◆ 高架地板供自然通風



日常節能、室內環境改善指標

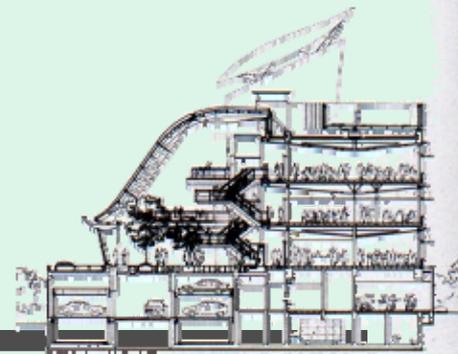


- ▶ 美國春湖公園
遊客中心
- ▶ 南北向剖面圖
顯示冬天通風
模式：南面的
空氣收集器外
覆蓋反射絕緣
板。

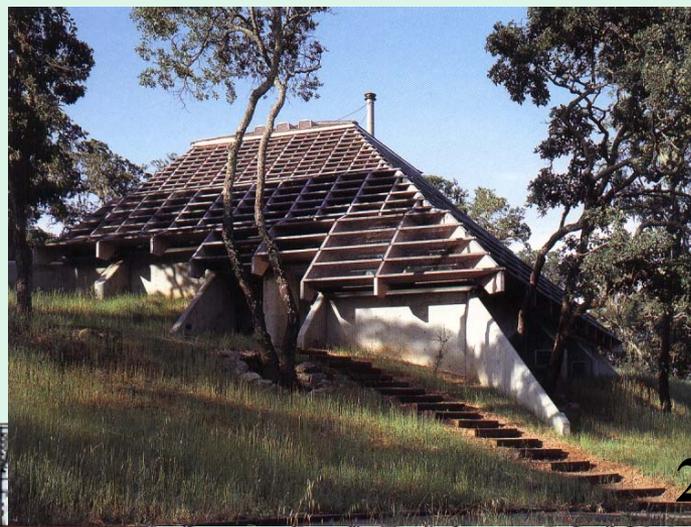
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日常節能、室內環境改善指標



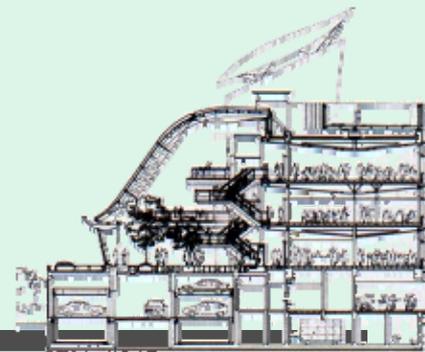
- ◆ 美國春湖公園遊客中心
- ◆ 1. 建物南面坡之圓形劇場及其上部之輻射收集器
- ◆ 2. 建物之西北角：百葉窗提供白天森林之視野亦提供內部遮陽



1.

2.

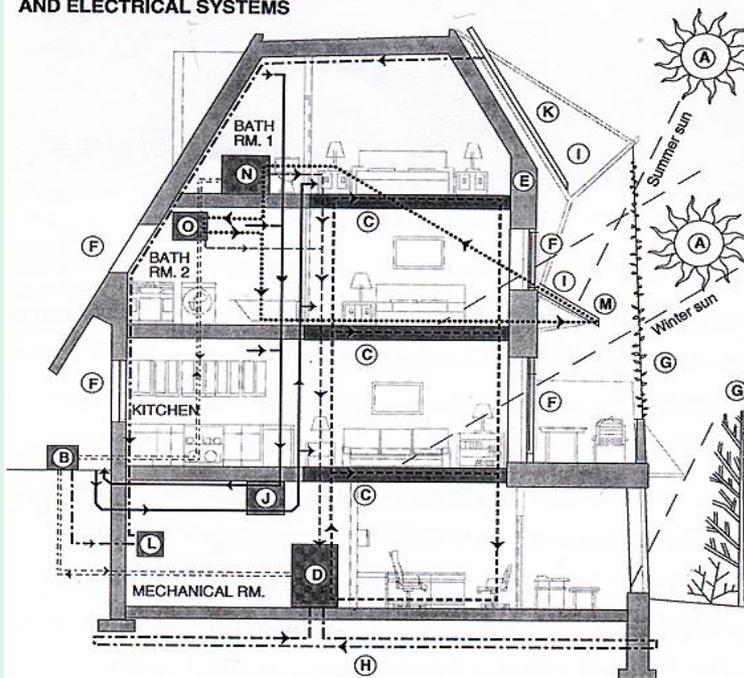
日常節能、室內環境改善指標



CMHC'S HEALTHY HOUSE
IN TORONTO

CMHC SCHL
Helping to house Canadians

HEATING, COOLING, VENTILATION,
AND ELECTRICAL SYSTEMS

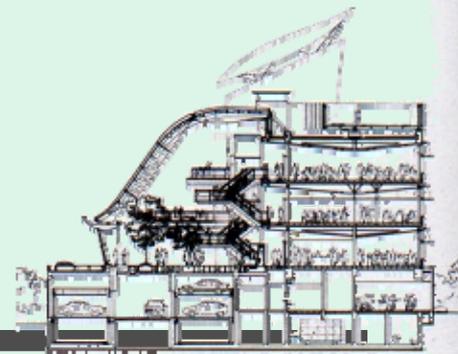


- (A) Sun
- (B) Co-generator unit
- (C) Radiant solar floors
- (D) Thermal storage tank
- (E) Super insulated walls, floors and roof
- (F) Super efficient windows
- (G) Ivy trellis and deciduous trees
- (H) Ground loop
- (I) Shades
- (J) Heat recovery ventilator (HRV)
- (K) Solar photovoltaic panels
- (L) Batteries
- (M) Solar thermal panels
- (N) Reclaimed and (O) drinkable-hot-water tanks

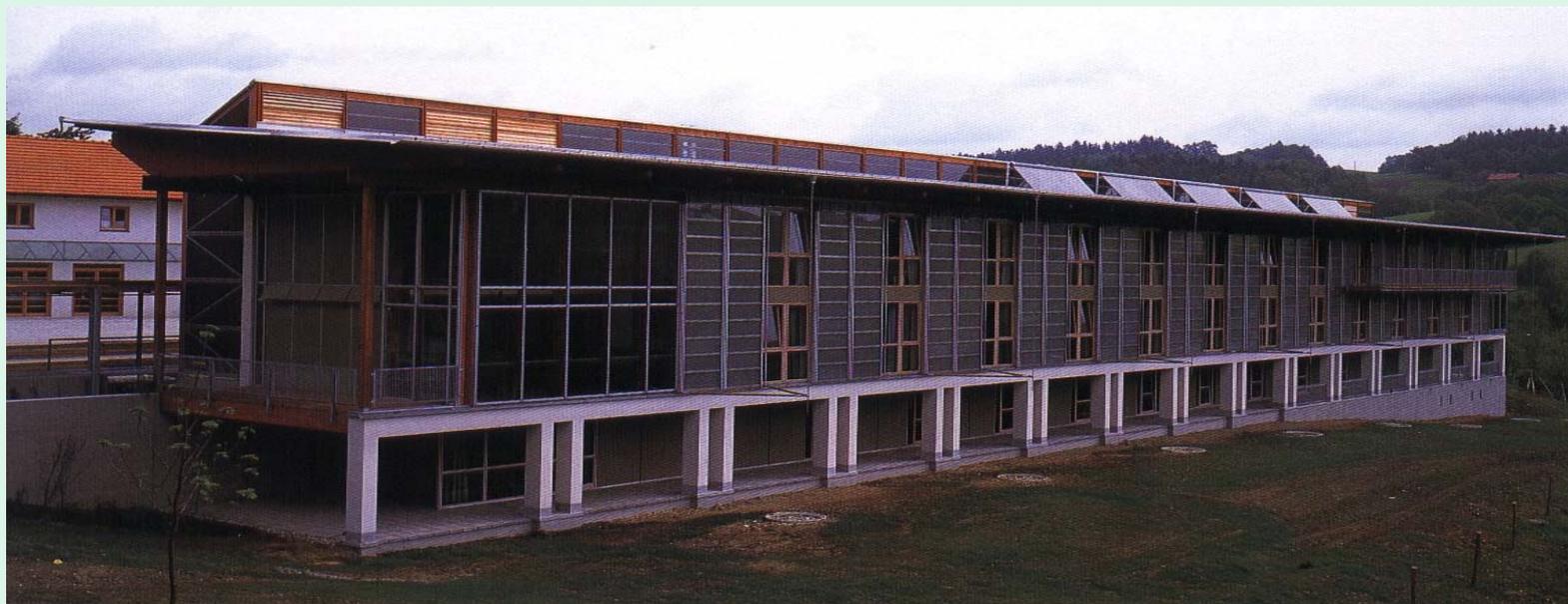
- ◆ 多倫多健康住宅
- ◆ 多倫多健康住宅空調換氣與電力系統圖
- ◆ 多倫多健康住宅外觀，屋頂部分設太陽能板



日常節能、室內環境改善指標



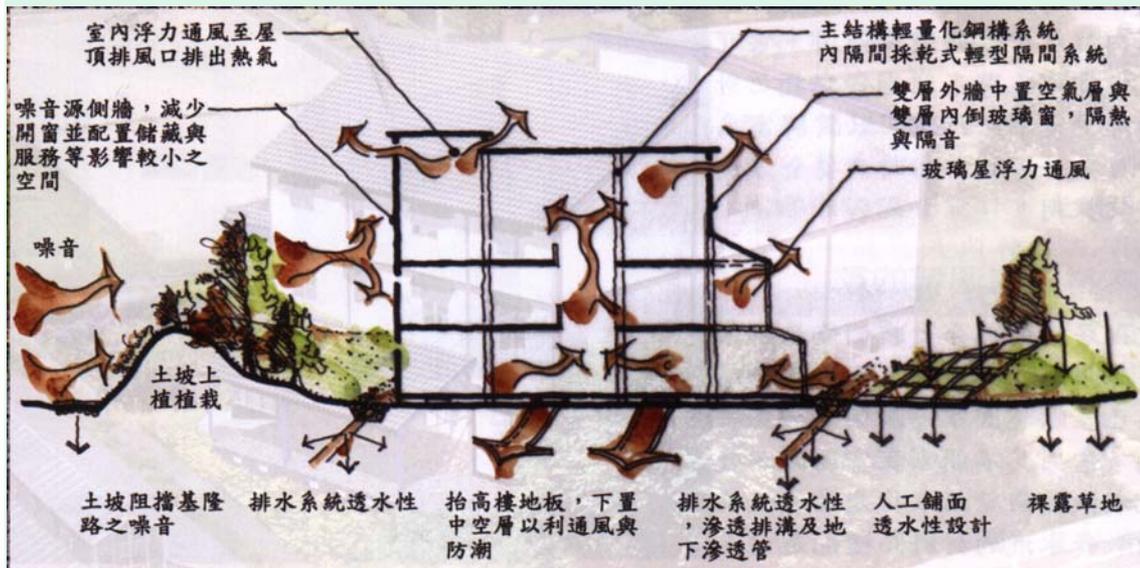
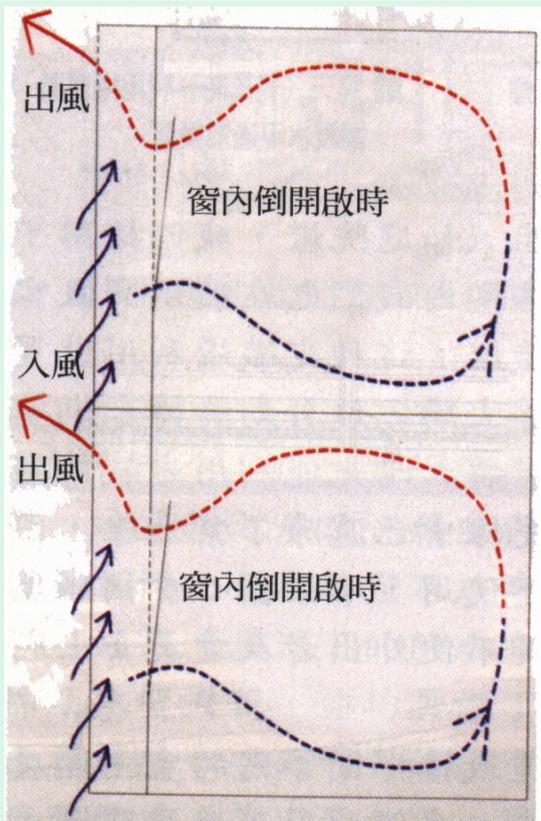
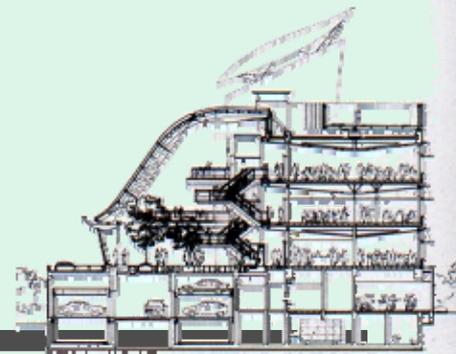
- ◆ 德國青年旅社
- ◆ 較高的南面屋頂有一上升熱氣流蒐集器，較低的地下室則退縮和列柱

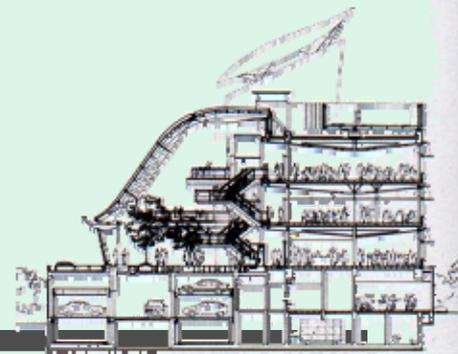


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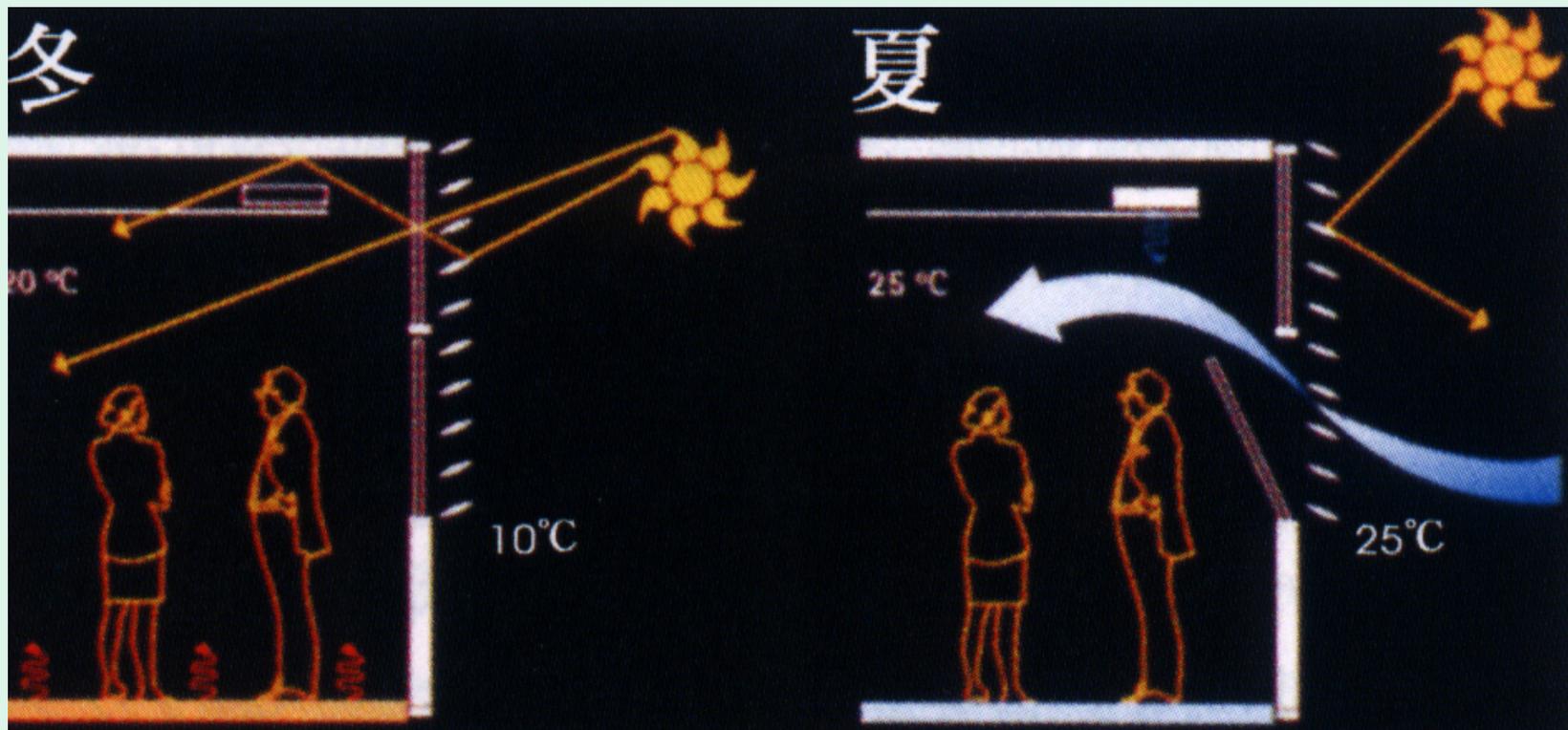


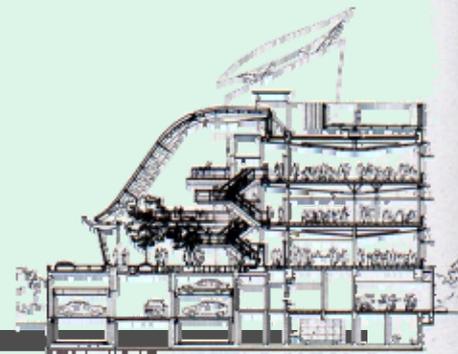
日常節能、室內環境改善指標





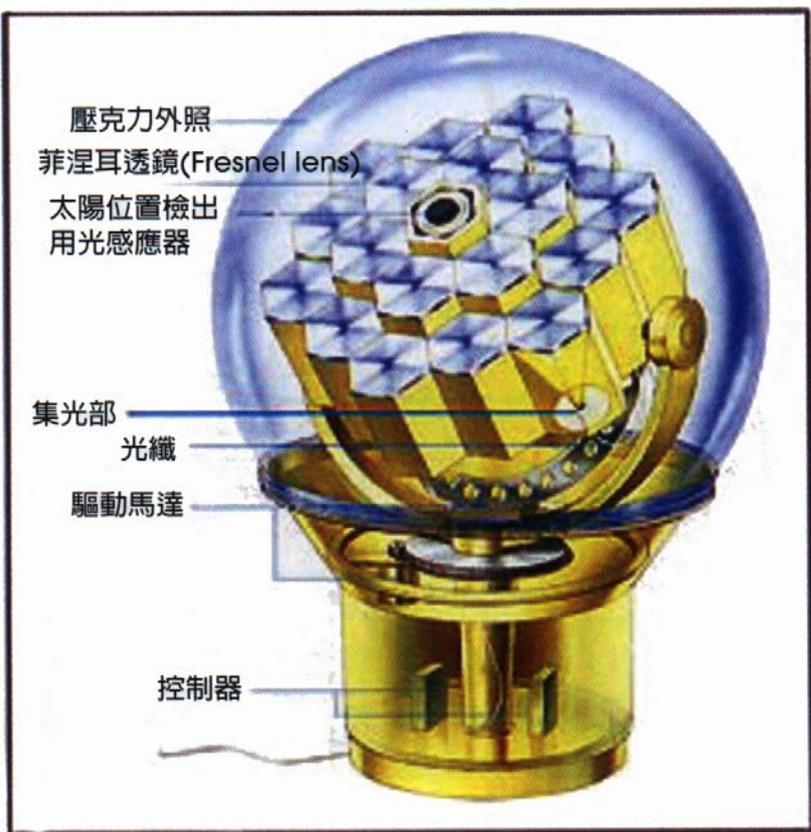
日常節能、室內環境改善指標



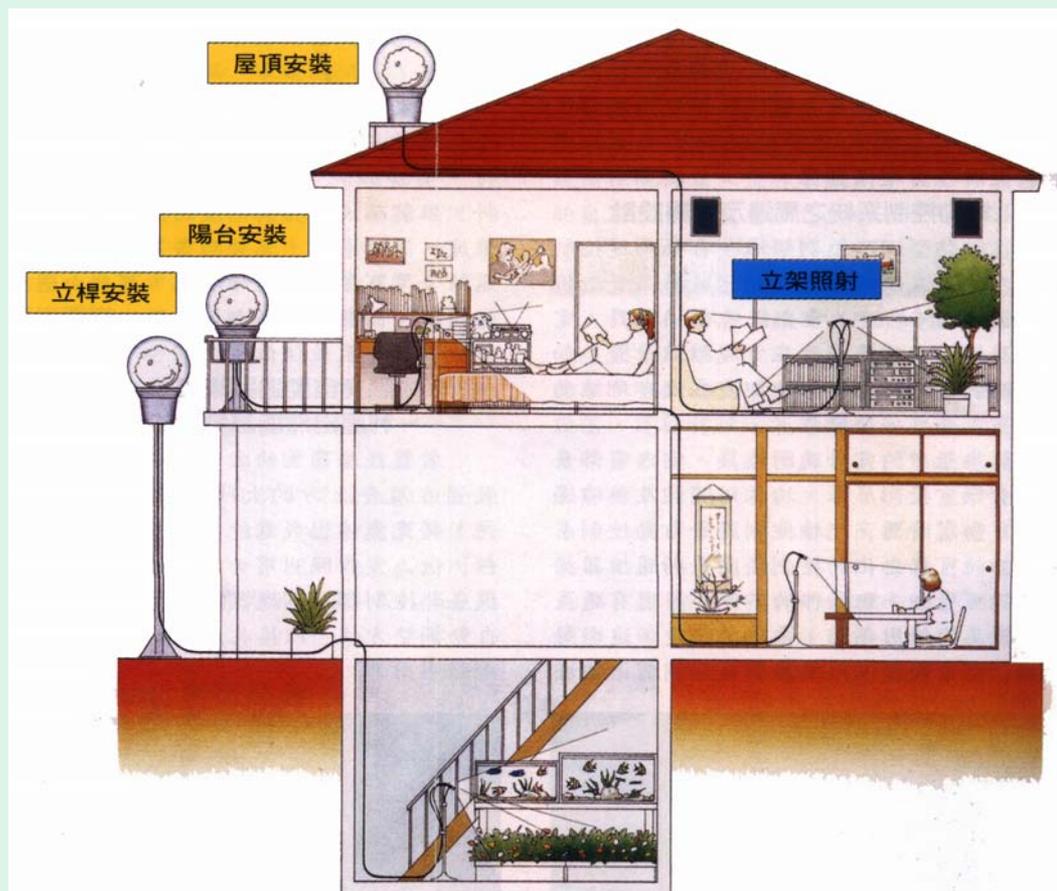
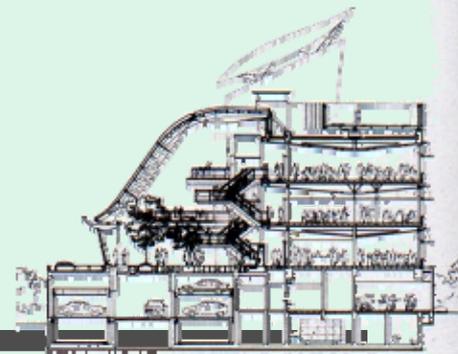


日常節能、室內環境改善指標

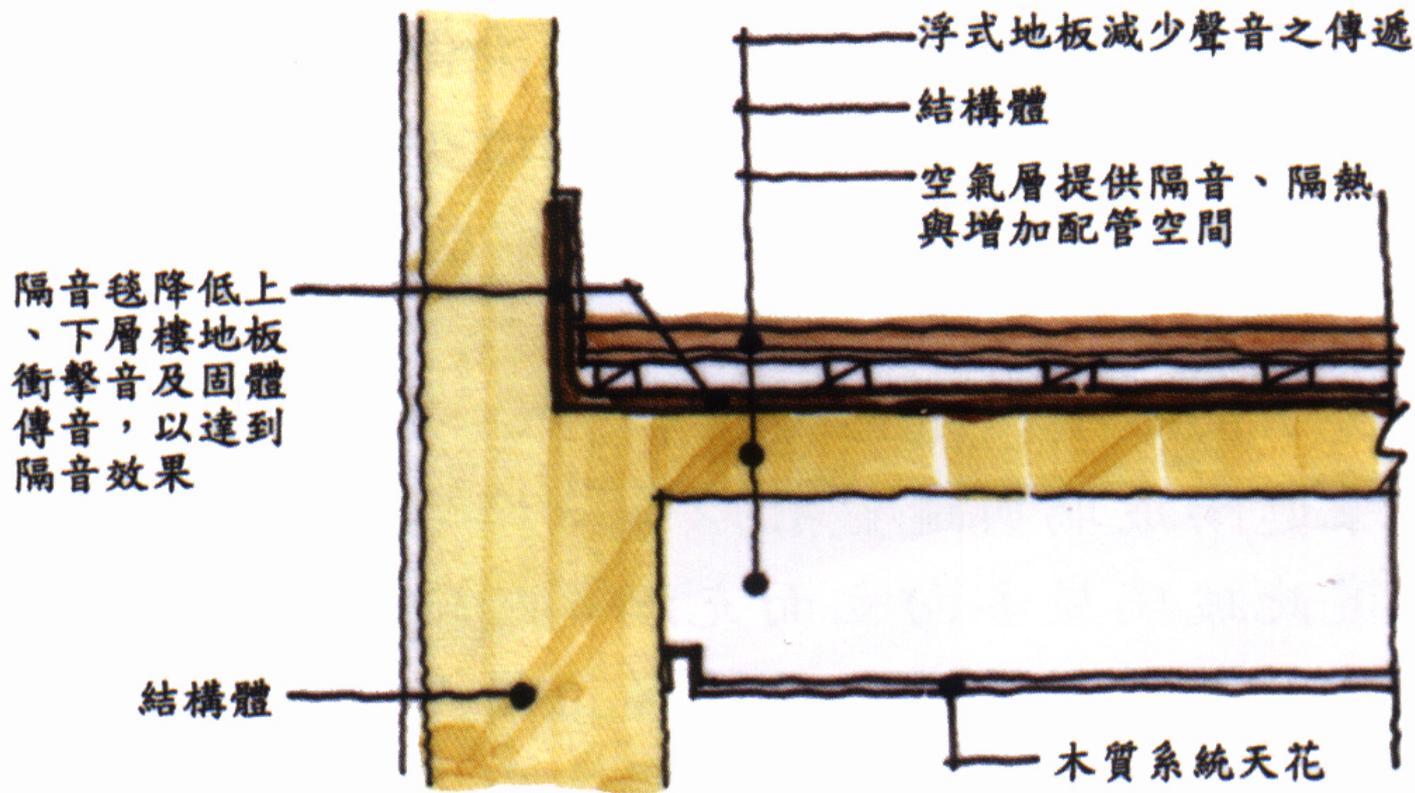
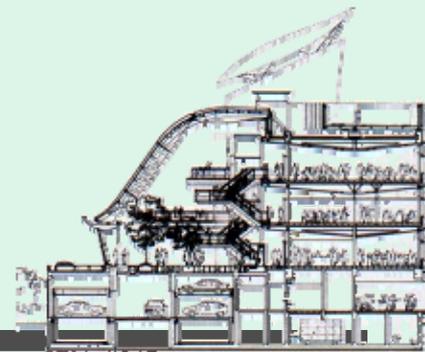
■ 利用自然能源發電的光纖燈。



日常節能、室內環境改善指標

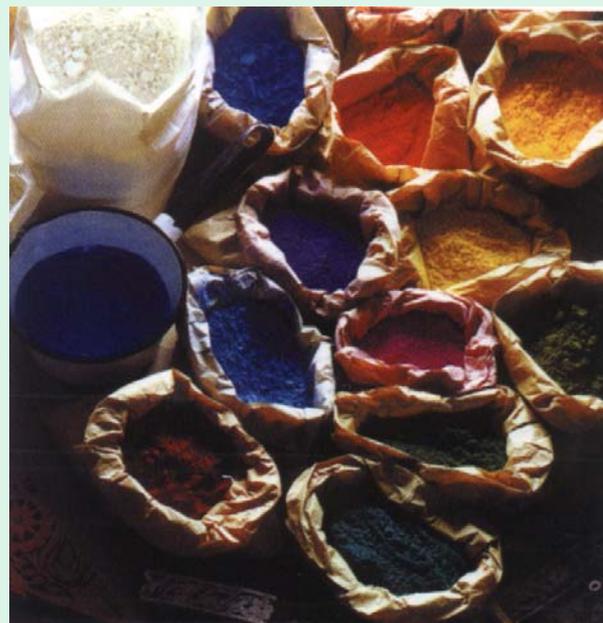
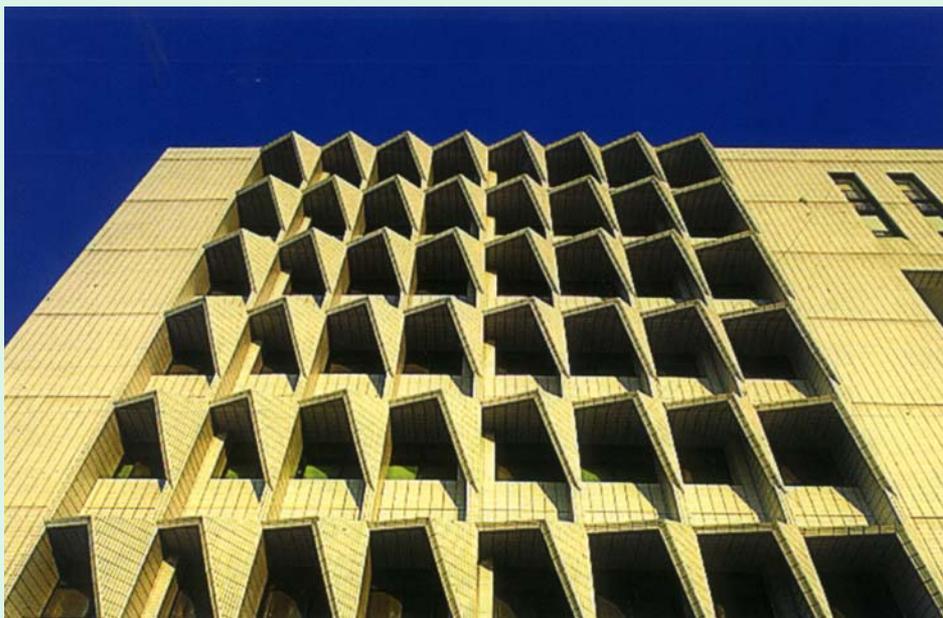


日常節能、室內環境改善指標





日常節能、室內環境改善指標



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Thanks for your listening!!

第三講課程結束

