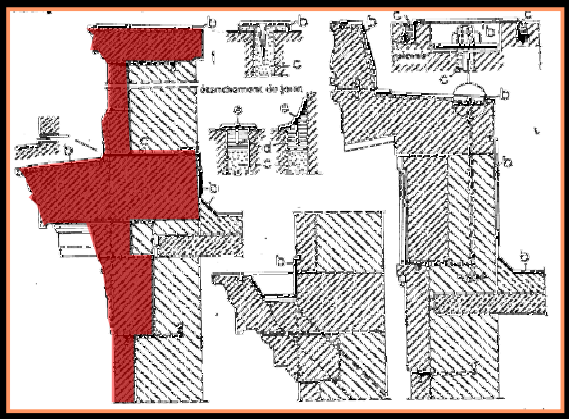
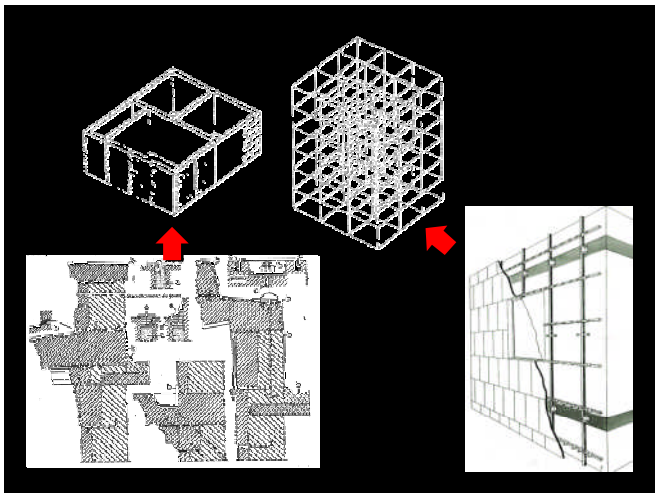
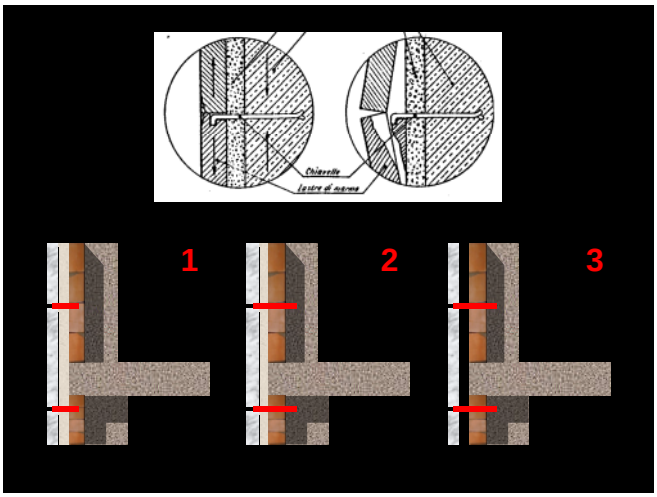
LA STRUTTURA TECNOLOGICA
e il controllo delle condizioni ambientali

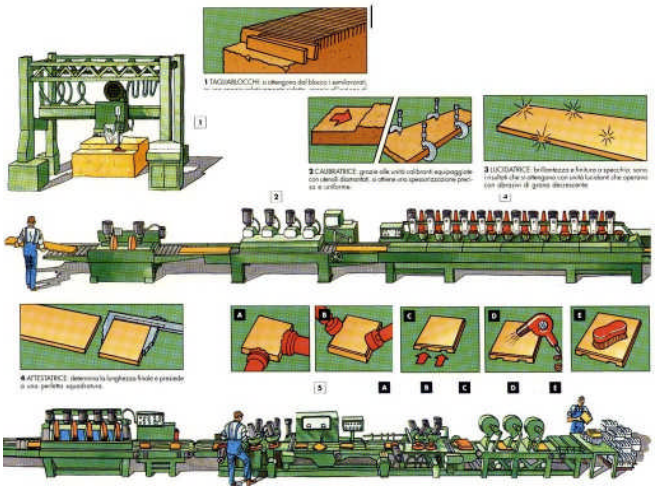
RIVESTIMENTI IN PIETRA

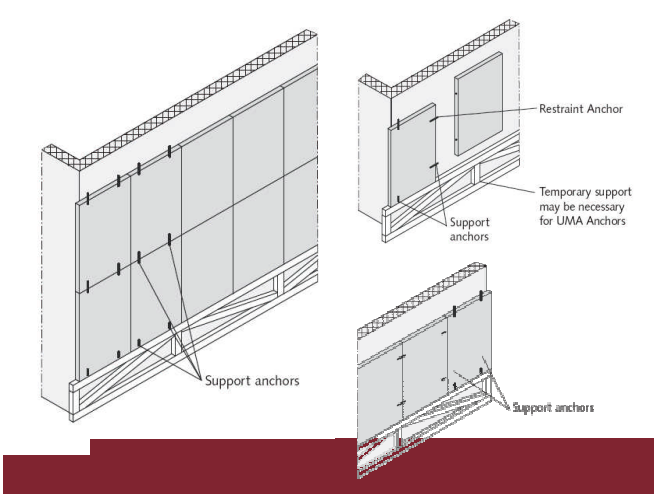
SAPIENZA
UNIVERSITÀ DI ROMA

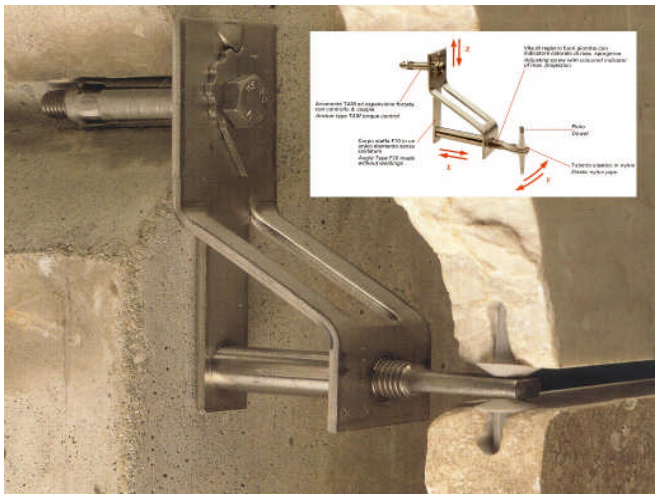




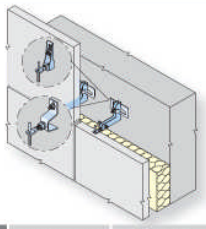






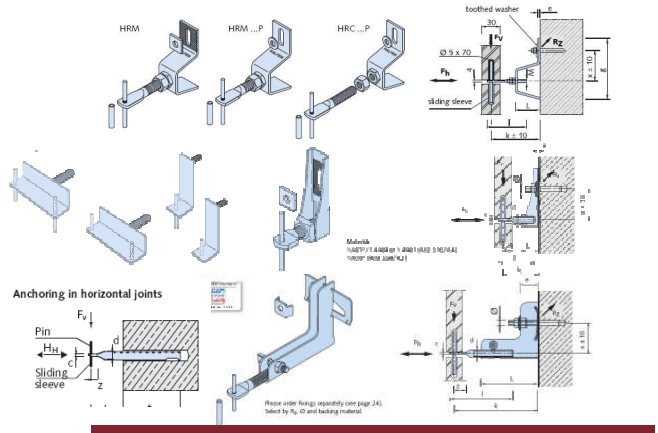


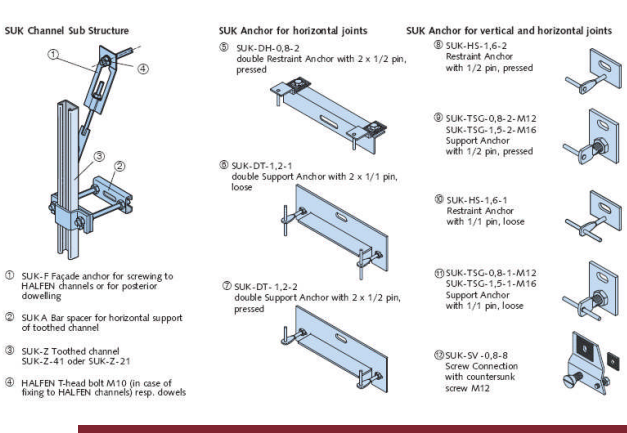
HALFEN Body Anchors | Grout-in Anchors | fro



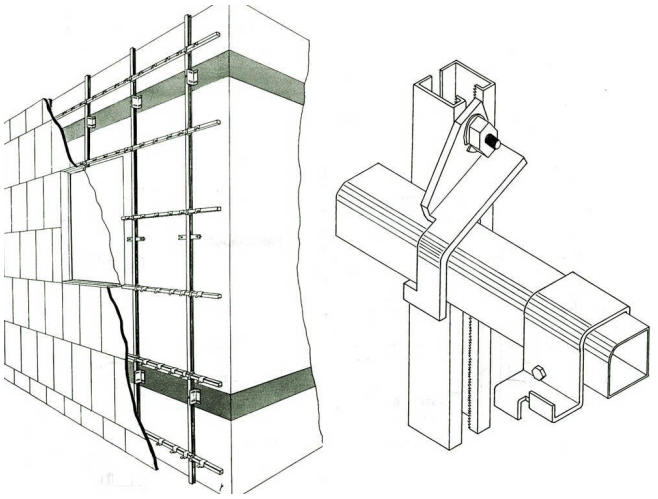
Body Anchor	Max. Projection [mm]	Max. Vertical Load/Anchor [N]
HRM	130	500
BA	120	1.300
DT	240	1.300
DH	240	-

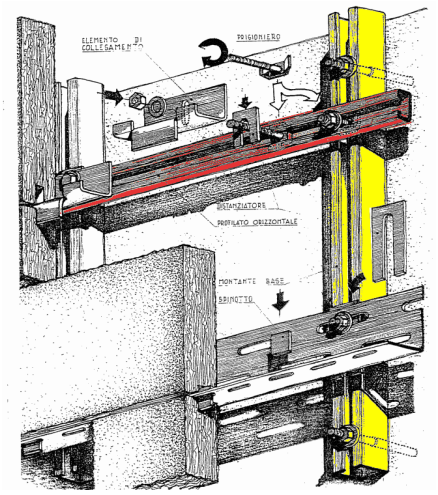
Grout-in Anchor	Max. Projektion [mm]	Max. Vertical Load/ Anchor [N]
UMA/UHA Concrete Backing Structure	300	4.000
UMA/UHA Brickwork Backing Structure	300	4.000

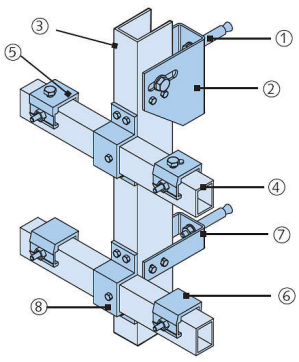




http://www.halfen.it/s/53_9214/halfen/modules/brochures/landing.php




ELEMENTO DI COLLEGAMENTO
PRIGIONIERO
ORIZZONTALE
PROFILATO ORIZZONTALE
MONTANTE BASE
BRINOTTO


③
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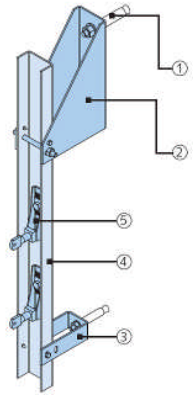
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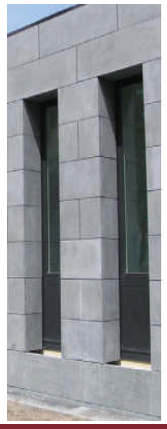

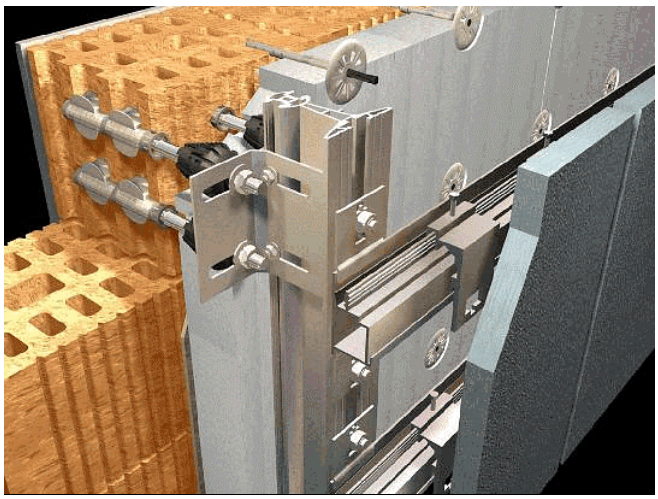


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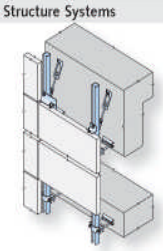
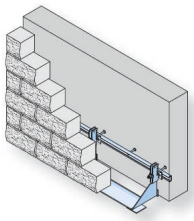
HALFEN Sub Structure Systems

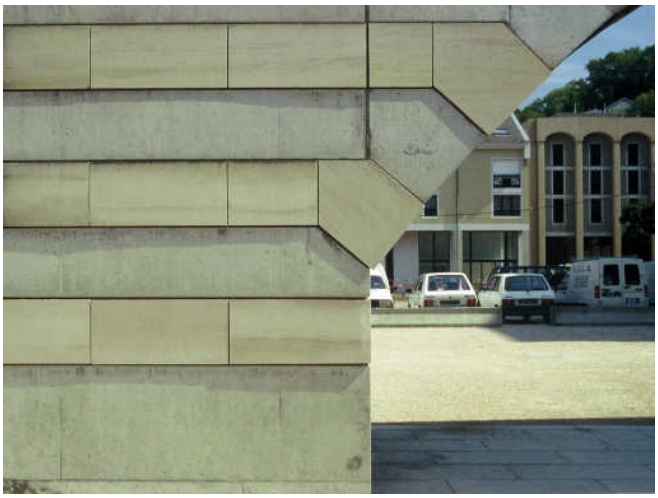


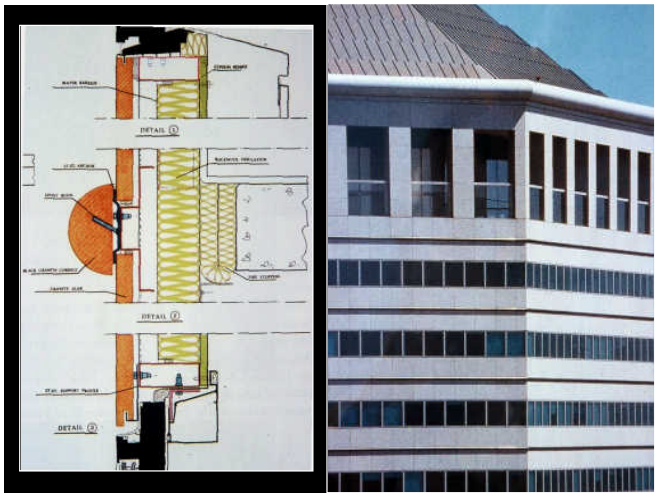
Sub Structure System	Max. Projection [mm]	Max. Vertical Load/ Anchor [N]
SUK (stainless steel)	360	1.500
UKB (aluminium)	310	700
UKH (aluminium)	320	400

Thick Stone Supports



Support Brackets	Max. Projection [mm]	Max. Vertical Load/ Anchor [kN]
HK4	250	10,5
Brick Ties	-	-

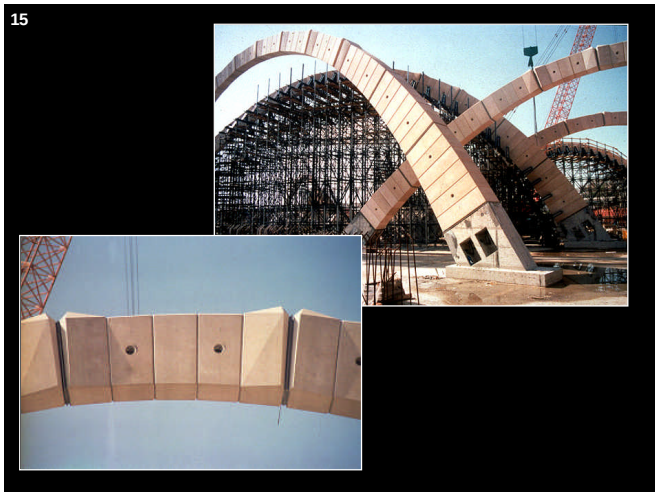



DETAIL ①
DETAIL ②
DETAIL ③


CASE IN VIA LAVENO
MILANO
(M. Zanuso – 1960-64)


AMBASCIATA NORVEGESE
BERLINO
(Snøetta – 1998)


Santuario di S. Pio a S. Giovanni Rotondo (R. Piano)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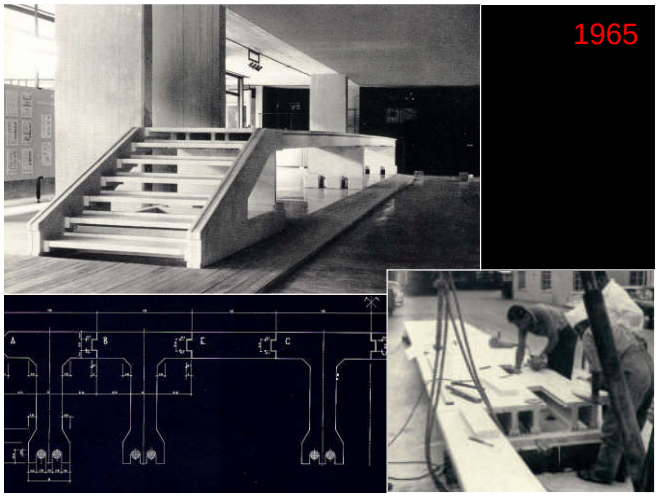
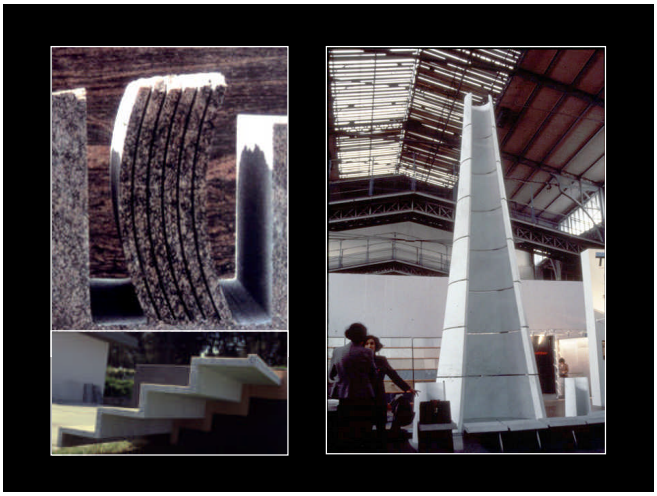
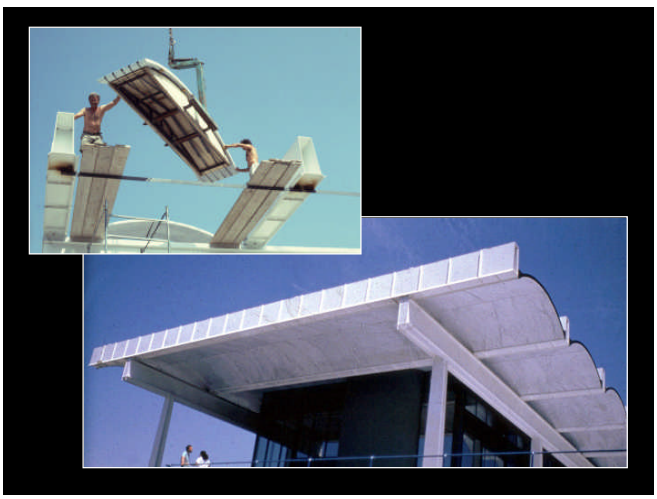
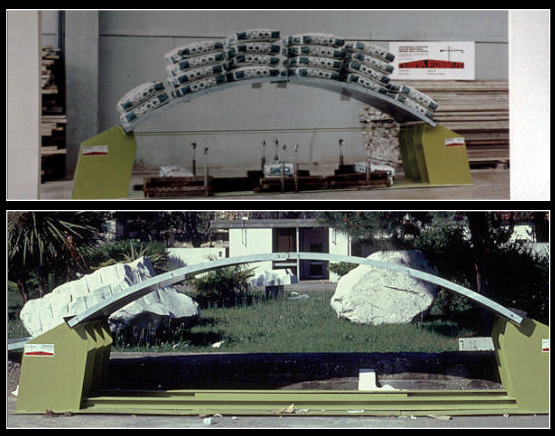


taglio a filo diamantato







Angelo Mangiarotti

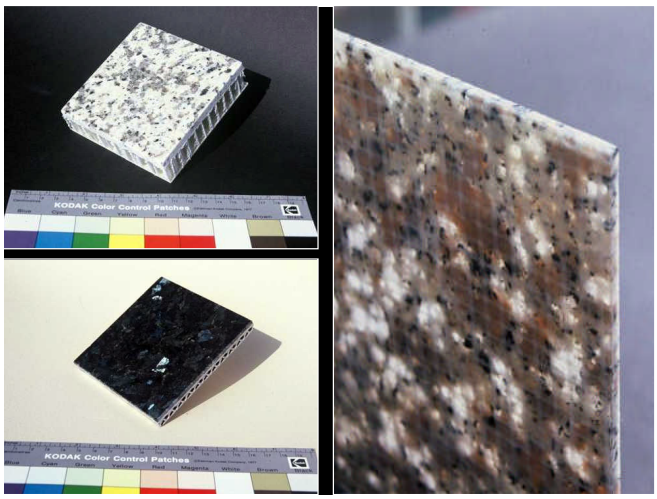
pannelli ultraleggeri

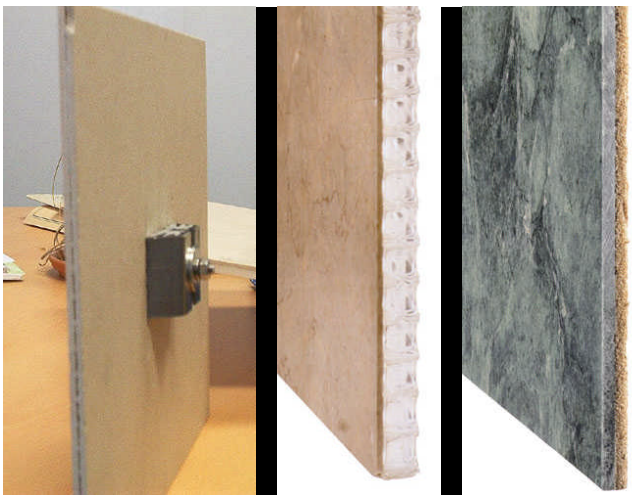
pannelli ultraleggeri

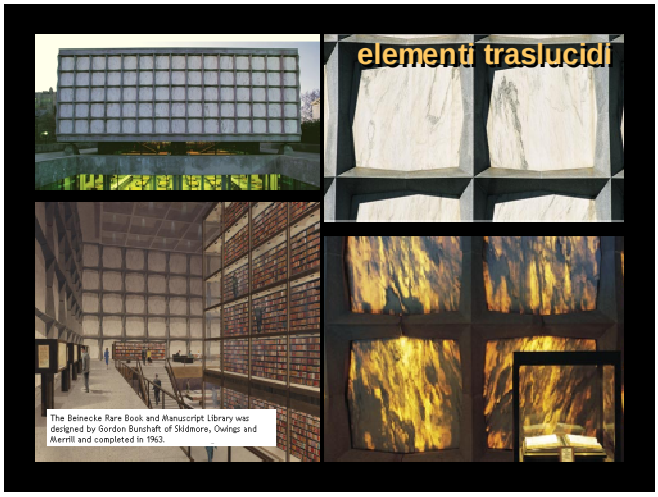
elemento lapideo base = pannello composito

- sottile lastra di pietra (spessore da 12 a 4 mm);
- supporto a nido d'ape
  - in alluminio o vetroresina (spessore pietra 4 mm),
  - in vetroresina e lamiera di acciaio (spessore pietra 4,5-7 mm)
  - in lamiera di acciaio e isolante (spessore pietra 7 mm).
- altri supporti

- inconvenienti:
  - degrado della colla nel tempo
  - problemi di dilatazione termica, differente tra la pietra e il supporto
  - assemblaggio costoso
  - impossibilità eseguire superfici curve






elementi traslucidi
The Beinecke Rare Book and Manuscript Library was designed by Gordon Bunshaft of Skidmore, Owings and Merrill and completed in 1963.