Open-Air Museum Research Anthology

Regional Graduate Architecture Studio

Building Collections

Open-Air Museum Research Anthology

Regional Graduate Architecture Studio
Southern Illinois University Carbondale
Summer 2014 ARC 550
Professor Chad Schwartz

Compiled By:
Ryan Northcutt
Nicholas Ouellette

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Building Collections

A-Frame Hut
Architect Unknown

Nick Bosman

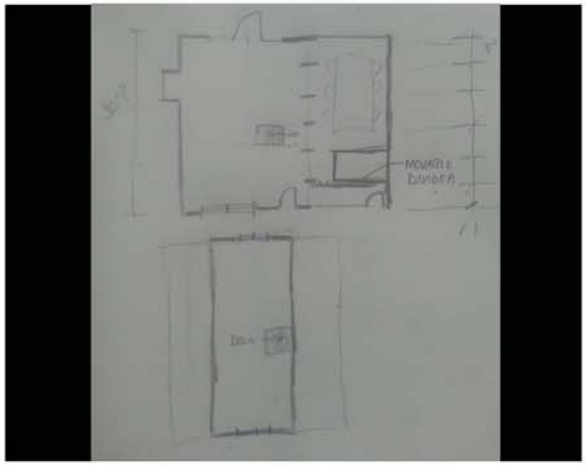
Scott Base, Antarctica
•One room cabin with sleeping loft
•Stove is always running
•Serves as a rescue hut
•Most notable person that had spent time there is Sir Edmund Hillary
•On couple had their honeymoon in this hut
•Approx. 220sqft

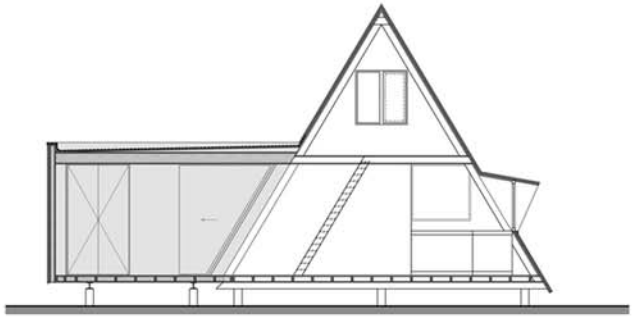
•http://www.nhm.ac.uk/nature-online/earth/antarctica/antarctic-conservation/blog-archive/?cat=15&paged=2
•http://www.nhm.ac.uk/nature-online/earth/antarctica/antarctic-conservation/blog-archive/?p=208
•http://antarcticanz.govt.nz/resources/images-video-content/scott-base

A-Frame Renovation
mvA Architecten

Nick Bosman

Brecht, Belgium
•861sqft
•Renovation of an existing a-frame home
•Added glass box
•New owner did not want to live in it, but just wanted it as a place to work or office space



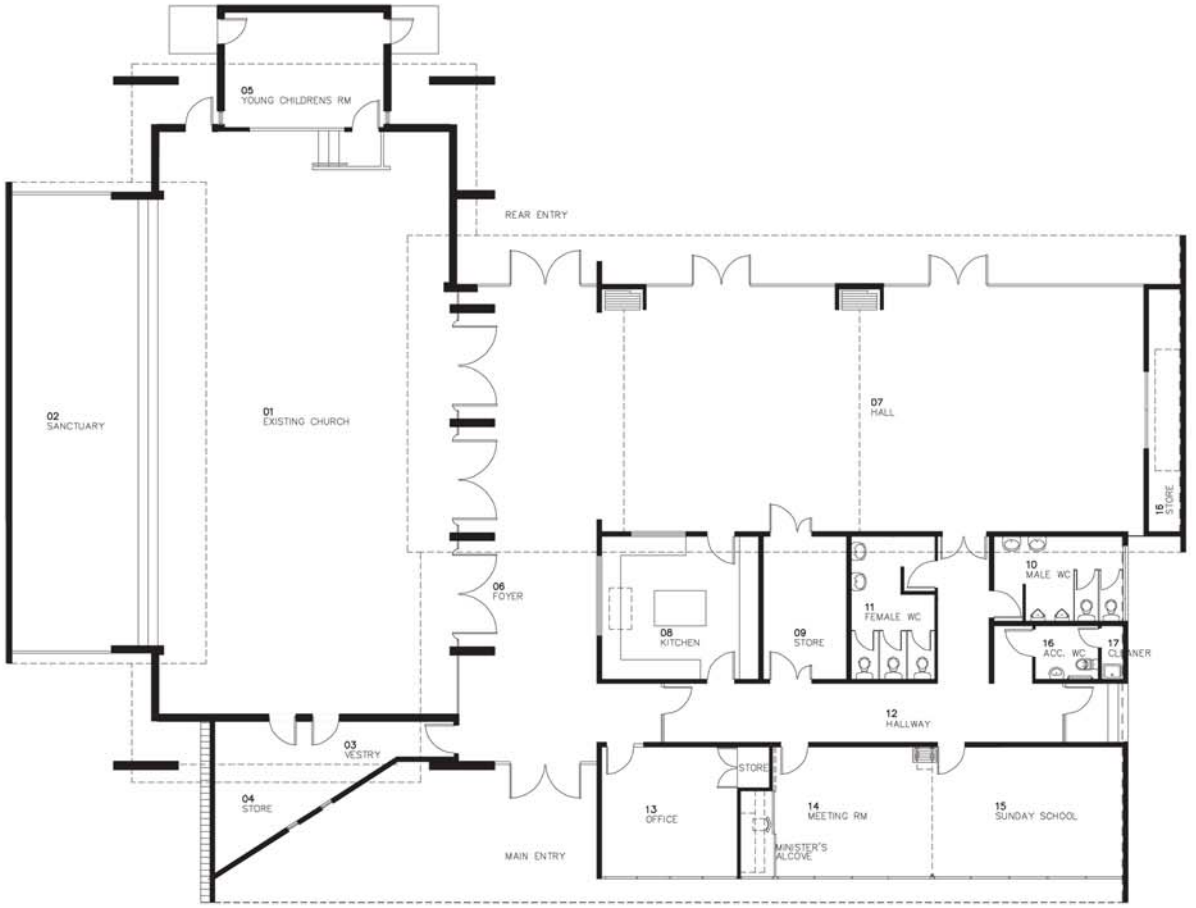


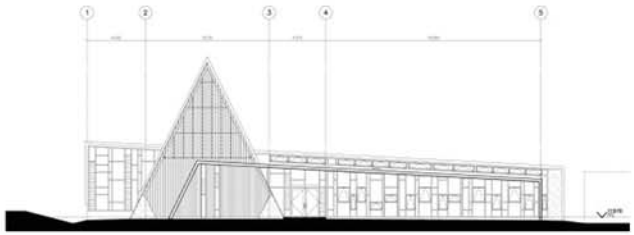
•http://www.interiordesign2014.com/home-design-ideas/extension-vb4-an-addition-to-an-a-frame-house-by-dmva-architecten/
•http://www.iondecorating.com/dream-house/a-frame-summer-cabin-gets-glass-addition/

Wauiku Church
Jasmax

Nick Bosman

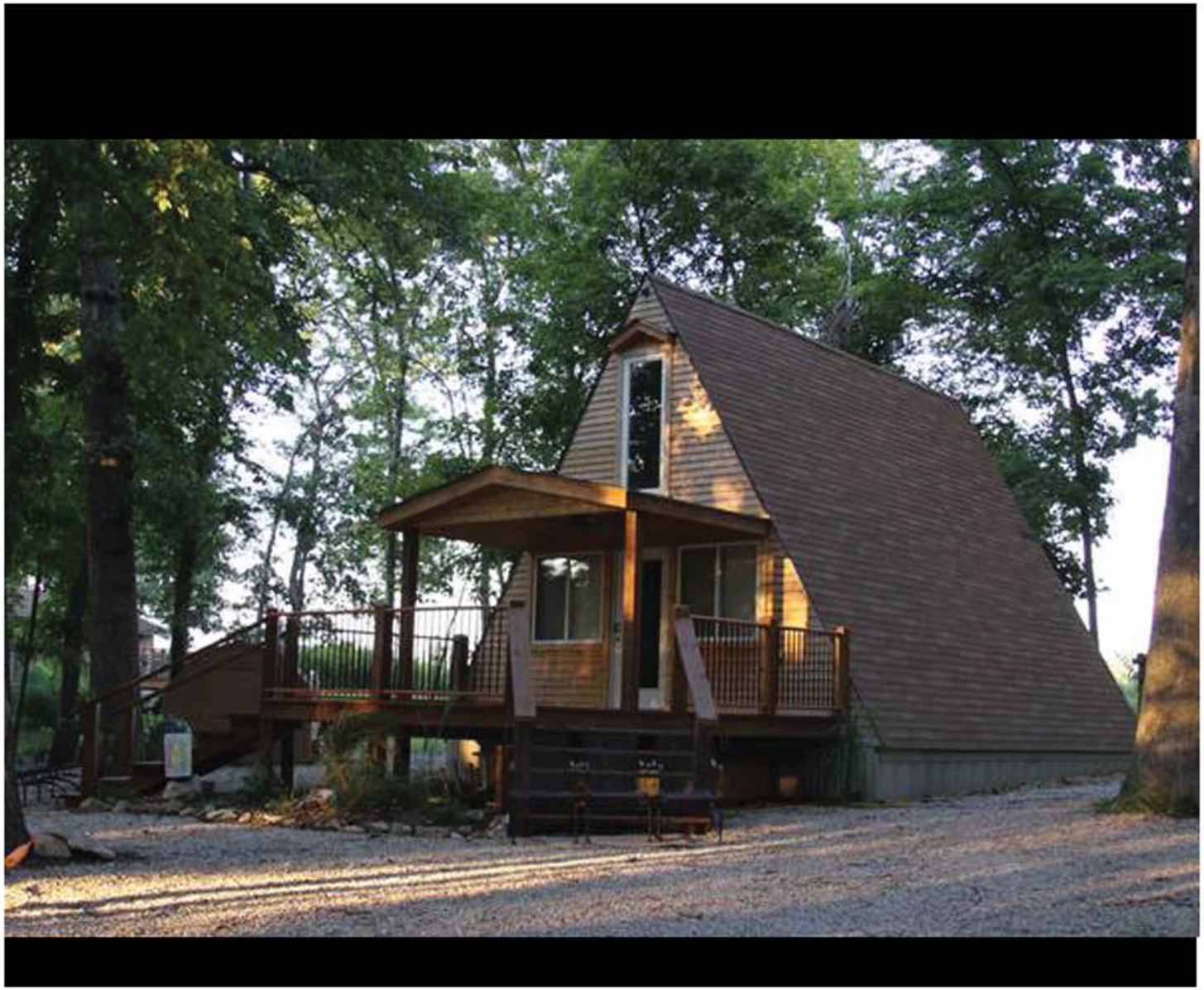
Wauiku, New Zealand
•Completed in 2006
•Bugdet of $1.5 million
• Refurbishment and extension of an existing 1960's 'A-frame' Church
•It was meant to be transparent and inviting to the community members





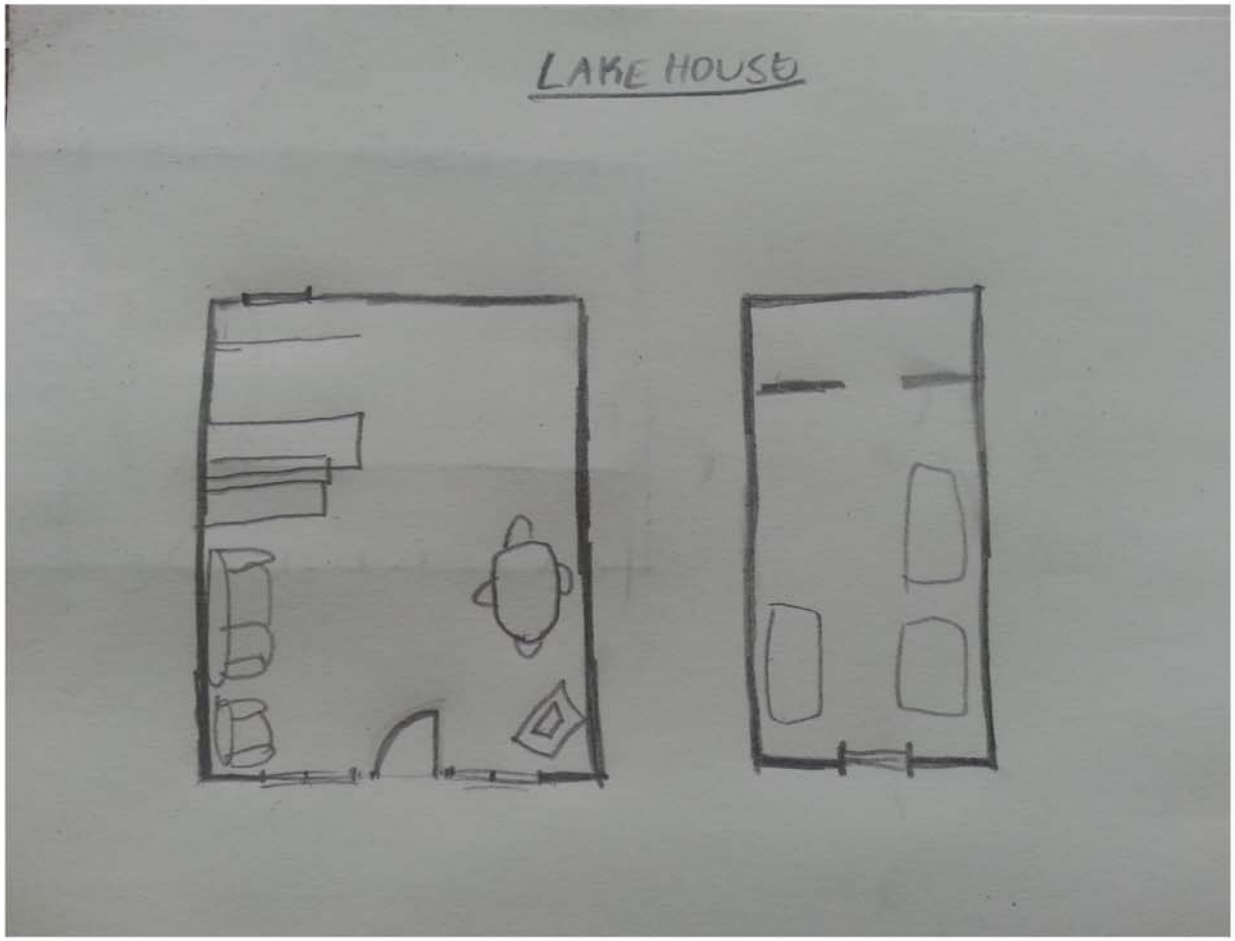
•http://www.archdaily.com/38054/waiuku-church-jasmax/
•http://www.jasmax.com/work/waiuku-districts-combined-churches/sectors/cultural-and-civic/1152

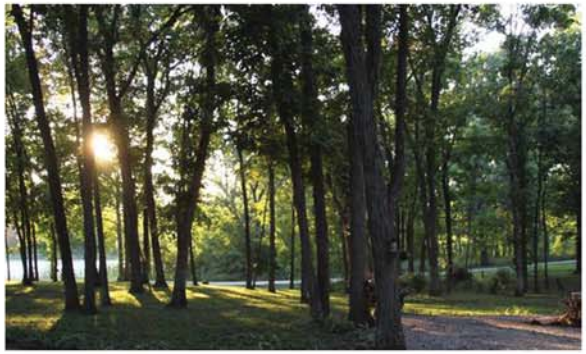
Lakehouse
Architect Unknown



Nick Bosman

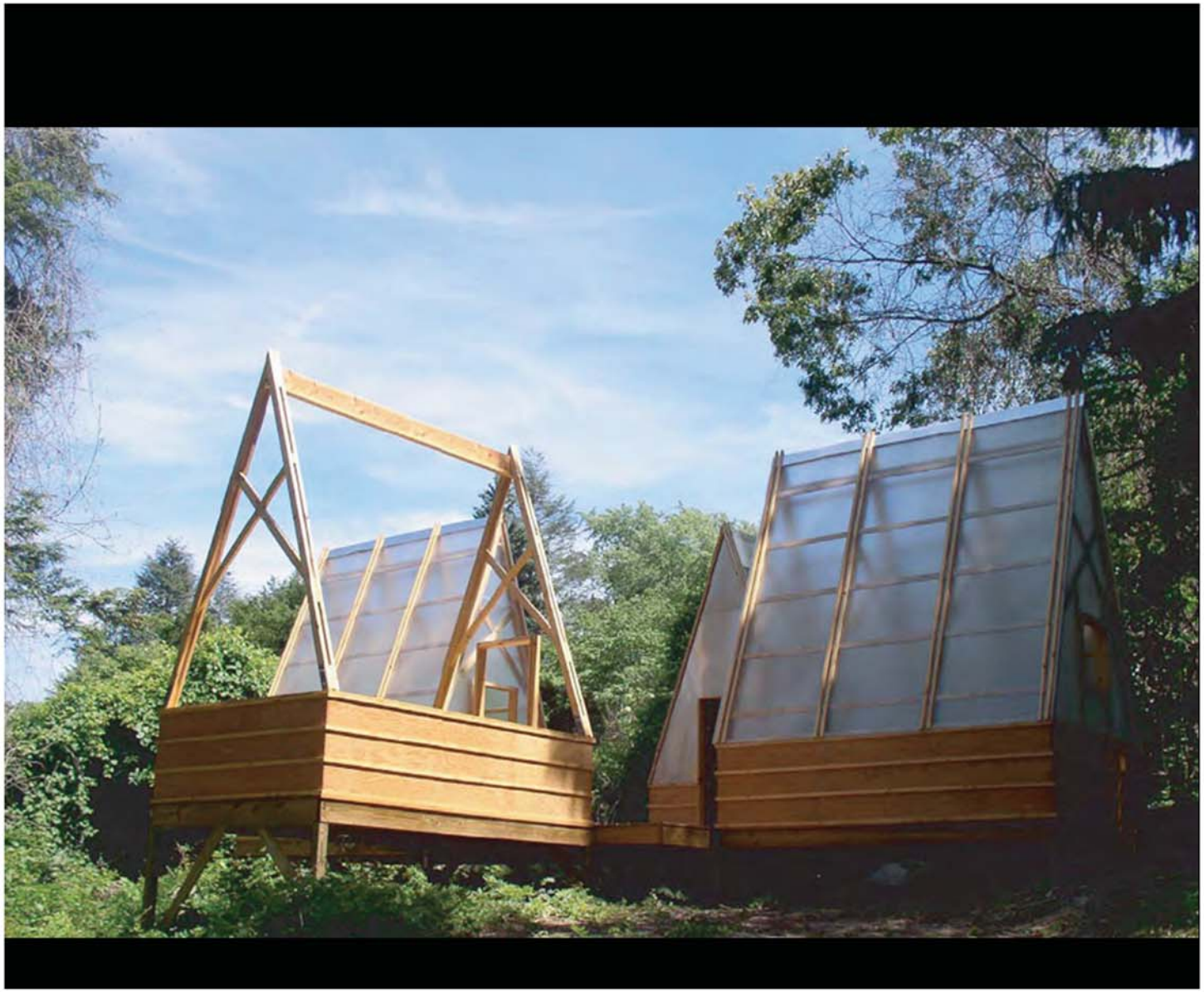
High Hill, Misourri
•1000sqft
•All tongue and groove cedar
•2 bed
•Private lake community
•Plenty of shade from trees





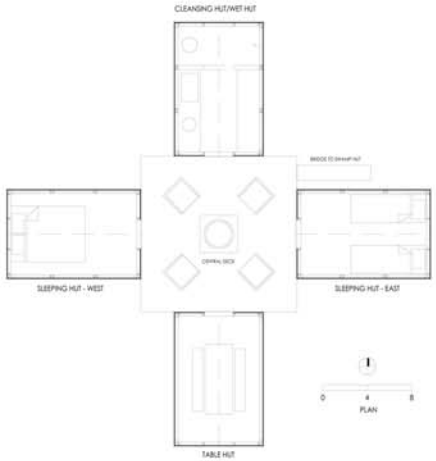
•http://stlouis.craigslist.org/reo/4426618898.html

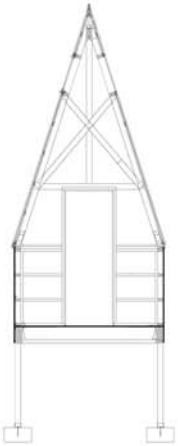
Swamp Huts
Moskow Linn Architects

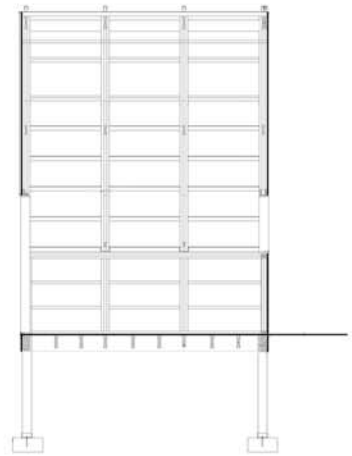


Nick Bosman

Newton, Massachusetts
•Won a Boston Society of Architects Honor Award for Design
•"Each building component has distinct characteristics appropriate to its use"
•It was designed to "sit lightly upon the ground"
•580sqft
•Consists of two sleeping huts, a cleansing/wet hut, and a table hut
•In the center is seating around a fire pit and is meant to create the enclosed "protected" feeling







•http://www.designboom.com/architecture/moskow-linn-architects-swamp-hut/
•http://www.moskowarchitects.com/swamp.htm

Far Meadow Solar House
Unknown Architect

Nick Bosman

Yosemite, California
•In the Yosemite National Park
•Includes a sleeping loft
•Solar powered

•http://www.boutique-homes.com/vacation-rentals/americas/united-states/a-frame-cabin-far-meadow/?id=Exterior

Ethan Brammeier
Carbondale, IL

Local Boathouse

Architect Unknown

Ethan Brammeier
Seeboden, Carinthia, Austria

Boat House at Millstatter Lake

MHM Architects

http://www.idesignarch.com/lakeside-boathouse-in-austria/

http://www.designrulz.com/design/2013/04/boats-house-at-millstatter-lake-in-seeboden-by-mhm-architects/






http://www.archdaily.com/298183/boats-house-at-millstatter-lake-mhm-architects/

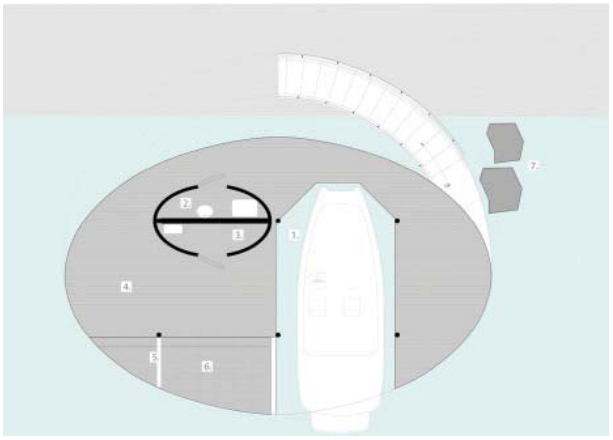
Ethan Brammeier
Austin, TX

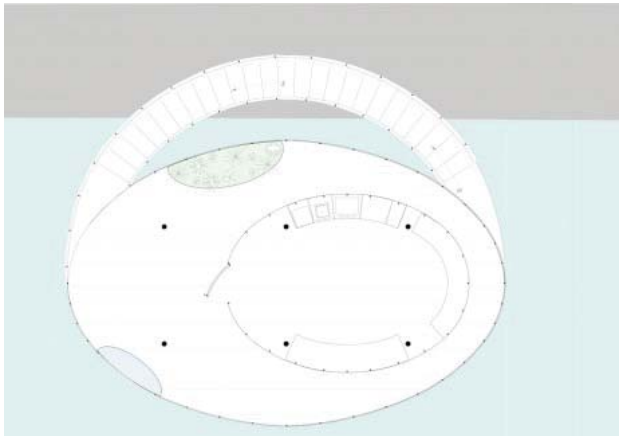
Shore Vista Boat House

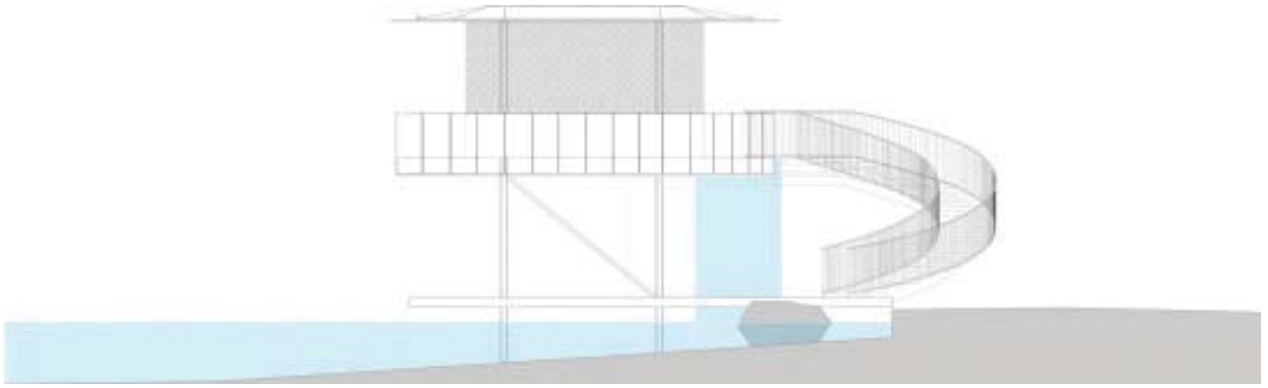
Bercy Chen Studio LP

http://bcarc.com/Project/shore-vista-boat-dock/Images/918

http://www.ilikearchitecture.net/2013/05/shore-vista-boat-house-bercy-chen-studio/







Ethan Brammeier
Muskoka, Ontario, Canada

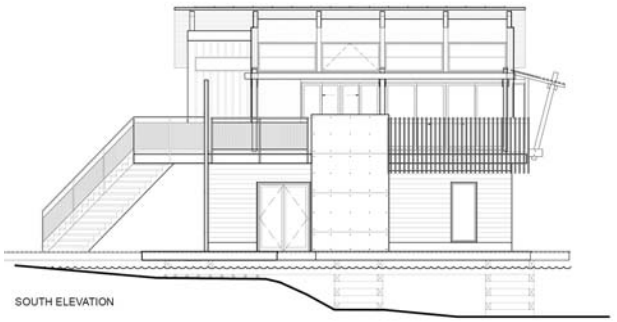
Muskoka Lakes Boat House

Christopher Simmonds Architects

http://www.freshpalace.com/2013/10/16/muskoka-lakes-boathouse

http://www.homedsgn.com/tag/boathouse/


EAST ELEVATION


SOUTH ELEVATION

Ethan Brammeier
Loch Tay, Scotland

Boat House over a Cave

McKenzie Strickland Associates

http://www.digsdigs.com/james-bond-inspired-boathouse-built-over-a-cave/

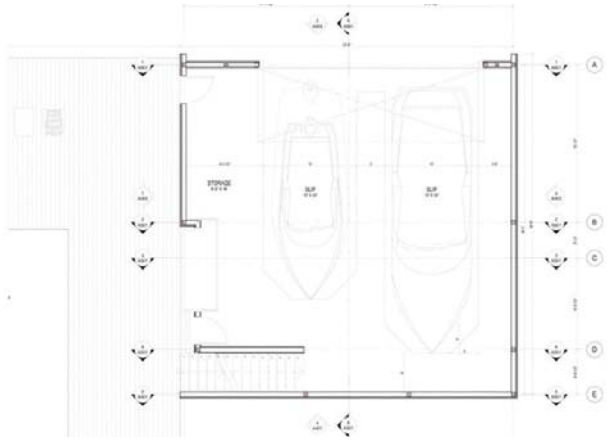
Ethan Brammeier
Forestburgh, New York

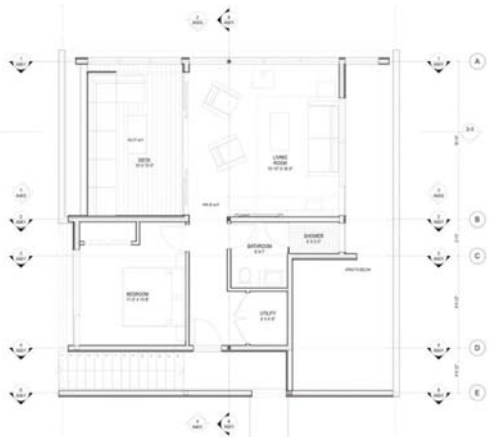
Boat House at Lake Joseph

Altius Architects

http://www.trendir.com/house-design/floating-cabin-with-integrated-boathouse.html

http://freshome.com/2014/02/11/floating-lake-house-upstate-new-york-altius-architecture/



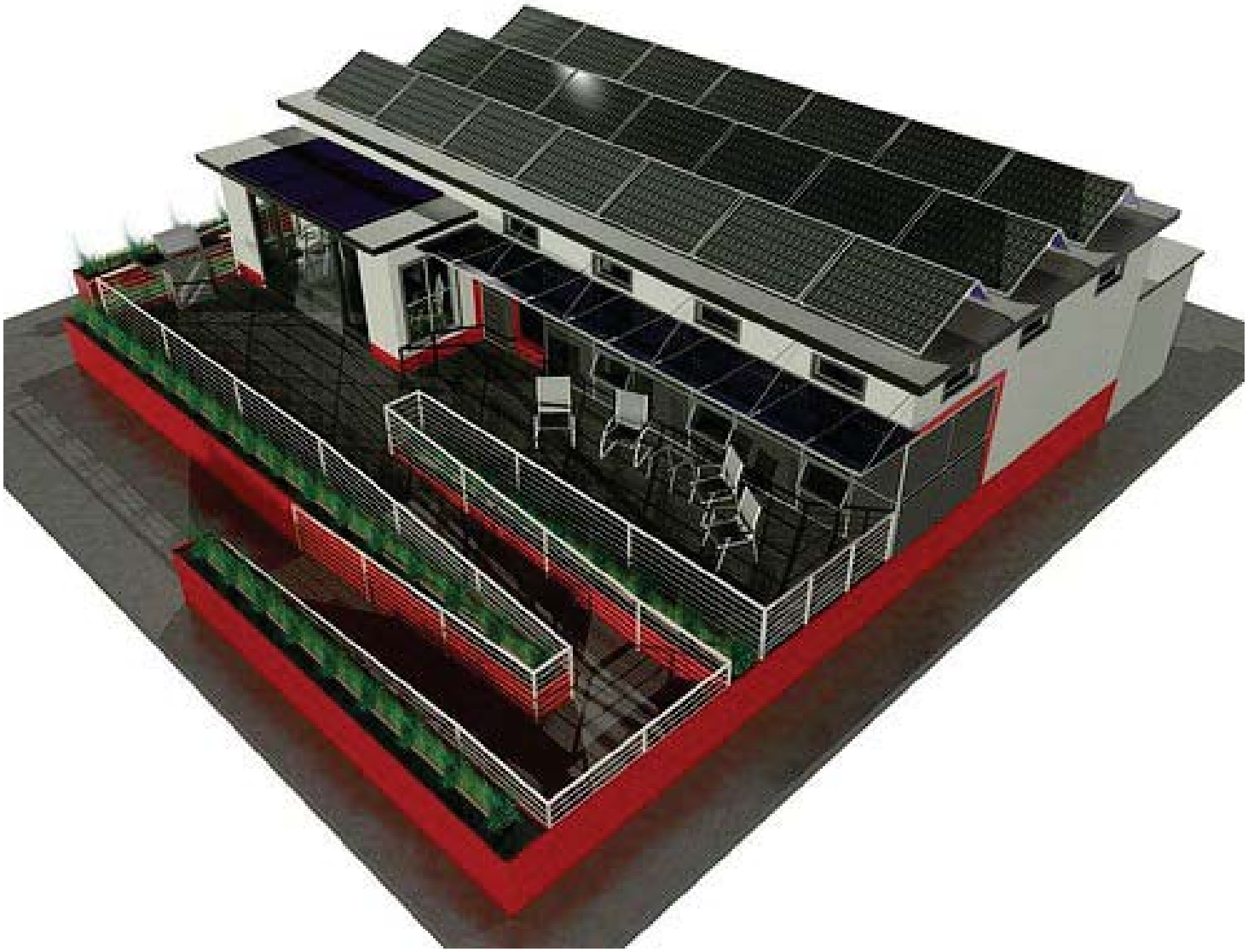


Chameleon House

Missouri University of Science and Technology

Alexander Carter
Rolla, Missouri 65409

Missouri University of Science and Technology designed Chameleon House for the U.S. Department of Energy Solar Decathlon 2013 to epitomize an adaptable living environment. With versatile features that form a chameleon skin—and spaces designed to maximize flexibility, comfort, and convenience—the Chameleon House flexes easily to meet as many market and regional needs as possible.



http://www.solardecathlon.gov/past/2013/team_missouri.html
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https://farm3.staticflickr.com/2830/10162671613_9aabc92452_o.jpg









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https://farm6.staticflickr.com/5541/10162516385_646a92efe7_o.jpg
https://farm6.staticflickr.com/5544/10162654743_3bc9fe8c5c_o.jpg
https://farm4.staticflickr.com/3737/10162606506_bec2ab1a62_o.jpg
https://farm6.staticflickr.com/5464/10162552716_f7f14a023b_o.jpg

E-Cube

Team Belgium-Ghent University

Alexander Carter
Ghent, Belgium, B-9000

Team Belgium aimed for simplicity with E-Cube, its entry for the U.S. Department of Energy Solar Decathlon 2011. This approach resulted in a design that is stripped of its nonessential components and finishes, leaving its structure and façade exposed to the interior. The ultra-efficient house is conceived as an affordable building kit that can be assembled in days rather than months.

http://www.solardecathlon.gov/past/2011/team_belgium.html

http://www.solardecathlon.ugent.be/en/about-e-cube http://www.solardecathlon.ugent.be/en/about-e-cube
https://www.flickr.com/photos/inhabitat/6175753071/in/set-72157627612784161/

Y-Container

Team China-Tongji University

Alexander Carter
Shanghai, P.R. China
Team China's U.S. Department of Energy Solar Decathlon 2011 entry, Y Container, combines six recycled shipping containers into a succinct, Y-shaped solar house. Y Container is easy to transport, assemble, and expand—providing the freedom to live anywhere with low costs and clean energy. It is a living house that can contain the energy, water, and plants required for an individual to enjoy an independent and natural lifestyle.

http://www.solardecathlon.gov/past/2011/team_china.html
http://www.solardecathlon.gov/past/2011/gallery_china.html
http://assets.inhabitat.com/wp-content/blogs.dir/1/files/2011/10/Solar-Decathlon-Team-China-BedRoom2.jpg

http://assets.inhabitat.com/wp-content/blogs.dir/1/files/2011/10/Solar-Decathlon-Team-China-Exterior-2.jpg
http://assets.inhabitat.com/wp-content/blogs.dir/1/files/2011/10/Solar-Decathlon-Team-China-Living-Room.jpg
http://assets.inhabitat.com/wp-content/blogs.dir/1/files/2011/10/Solar-Decathlon-Team-China-Exterior-5.jpg

Harvest Home

Team DC Capitol-The George Washington University, The Catholic University of America, American University

Alexander Carter
Washington, District of Colombia

Harvest Home is an ecologically responsible house that harvests and replenishes natural resources to forge a deep-rooted connection with the natural environment. A habitat for renewal and regeneration, the house features sophisticated control and biomedical systems to serve returning U.S. military veterans and help them adjust and flourish in a sustainable civilian community.

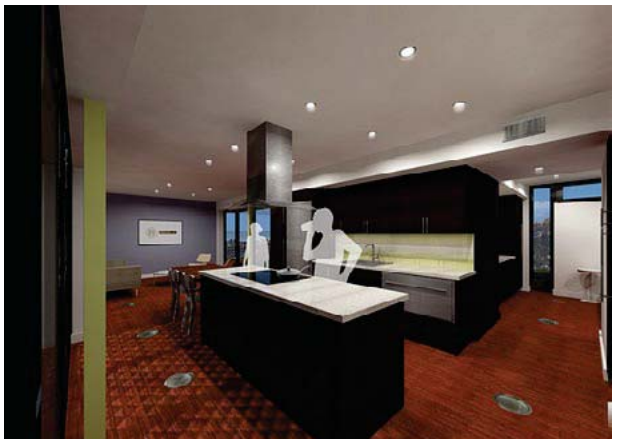
http://www.solardecathlon.gov/past/2013/team_capitol_dc.html
https://farm4.staticflickr.com/3756/10175721625_3f9635d6dc_o.jpg
https://farm9.staticflickr.com/8405/10175482955_6e76b8caed_o.jpg
https://farm4.staticflickr.com/3776/10175887963_4c540578e5_o.jpg
https://farm9.staticflickr.com/8538/10175653175_cbff52f230_o.jpg
https://farm6.staticflickr.com/5506/10175490594_40ef3a02fc_o.jpg











http://www.solardecathlon.gov/past/2013/team_capitol_dc.html

Watershed House

University of Maryland

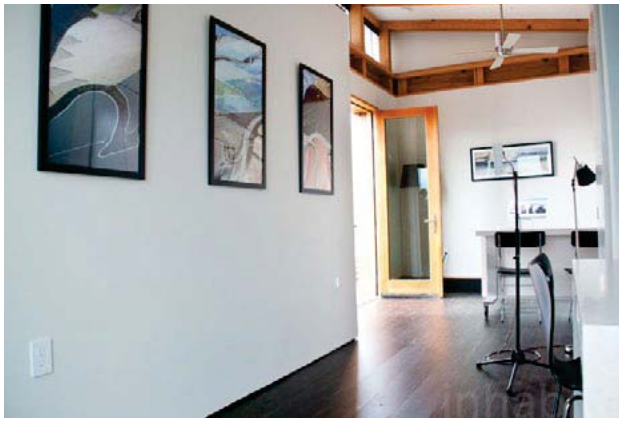
Alexander Carter
College Park, Maryland 20742

Inspired by the Chesapeake Bay ecosystem, the University of Maryland returns to the U.S. Department of Energy Solar Decathlon 2011 with WaterShed—an entry that proposes solutions to water and energy shortages. The house is a model of how the built environment can help preserve watersheds everywhere by managing storm water onsite, filtering pollutants from greywater, and minimizing water use. The photovoltaic and solar thermal arrays, effectiveness of the building envelope, and efficiency of the mechanical systems make WaterShed less thirsty for fossil fuels than standard homes.

http://assets.inhabitat.com/wp-content/blogs.dir/1/files/2011/09/Solar-Decathlon-Maryland-Watershed.jpg
http://assets.inhabitat.com/wp-content/blogs.dir/1/files/2011/09/Solar-Decathlon-Maryland-Watershed-Interior3.jpg
http://assets.inhabitat.com/wp-content/blogs.dir/1/files/2011/09/Solar-Decathlon-Maryland-Watershed-SolarHeat.jpg






http://assets.inhabitat.com/wp-content/blogs.dir/1/files/2011/09/Solar-Decathlon-Maryland-Watershed-Interior1.jpg
http://assets.inhabitat.com/wp-content/blogs.dir/1/files/2011/09/2011-Solar-Decathlon-Maryland-05_.jpg
http://assets.inhabitat.com/wp-content/blogs.dir/1/files/2011/09/2011-Solar-Decathlon-Maryland-10_.jpg

LISI House

Team Austria-Vienna University of Technology

Alexander Carter
Wien, Austria
Team Austria's U.S. Department of Energy Solar Decathlon 2013 entry is a simple, smart, and sustainable house. Powered by a rooftop solar photovoltaic system, Living Inspired by Sustainable Innovation (LISI) generates more power than it uses over the course of a year. The house adapts to a range of climate zones and flexes to meet a variety of lifestyles.

http://www.solardecathlon.gov/past/2013/team_austria.html
https://farm8.staticflickr.com/7380/10162483384_6a4f2dbab9_o.jpg
https://farm3.staticflickr.com/2874/10162681646_2379cb7e68_o.jpg
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https://farm8.staticflickr.com/7409/10162502494_8b949c4bb6_o.jpg

Charnarayan Temple

Architect unknown

Sabin Chakradhar

Patan Durbar Squeare, Nepal

Notes:
One of the oldest temple constructed in the Patan Durbar Square. It consist of two tiered roof covering the sanctum room with the Gajur (Pinnacle) on top. It is built on a two level plinth which is common to all temples built at the time. Plan is based on the Vaastu Purush mandala consitutes mathematical and diagrammatic basis for generating design.

http://commons.wikimedia.org/wiki/File:Char_narayan_temple_patan_sunita_(3).JPG

http://www.trekkingtheplanet.net/wp-content/uploads/2012/06/Patan-Durbar-Square-Nepal1.jpg
http://commons.wikimedia.org/wiki/File:Char_narayan_temple_patan_sunita_(2).JPG
http://kathmandu-valley-temples.com/ktmvalley_php/main.php?site=rundgang&object=10__Patan_Darb/2__Mangal_Baz/2__Patan_Darb/5__Char_Naray

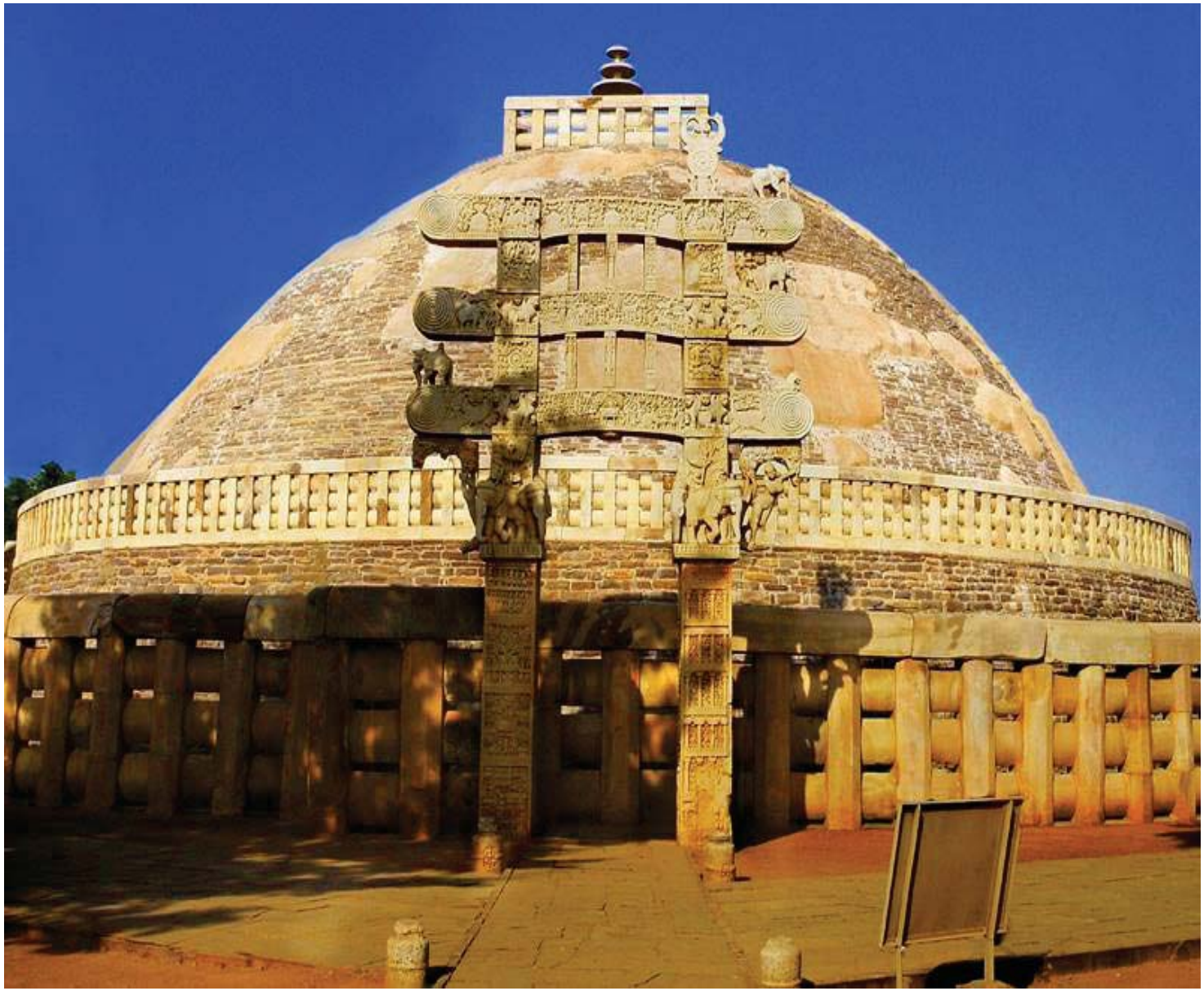
Sabin Chakradhar

Sanchi, India

Notes:
Sanchi stupa is one of the oldest stone structure in India. It was originally commissioned by the emperor Ashoka and consisted of simple hemispherical brick structure built over the relics of the Buddha, crowned by the chatra (parasol) symbolizing high rank, which was intended to honor and shelter the relics. The stupa was later expanded with stone slabs to almost twice its original size and four monumental gateways (Torana) and the balustrade were added. Torana is carved and constructed in the manner of wood and the gateways were covered with narrative sculptures of life of Buddha

Sanchi Stupa

at Sanchi, India



http://en.wikipedia.org/wiki/Sanchi

http://www.panoramio.com/photo/65881743
http://www.thehistoryhub.com/sanchi-stupa-facts-pictures.htm
http://www.mapsofindia.com/my-india/travel/great-stupa-at-sanchi-glorious-buddhist-monument/attachment/sanchi-stupa
https://www.flickr.com/photos/51228384@N05/6949007241/

Sabin Chakradhar

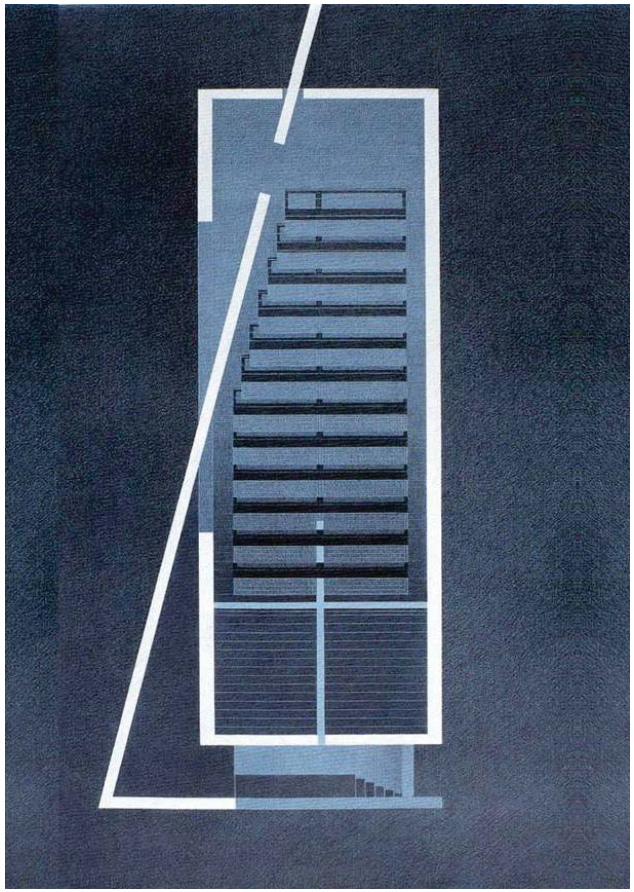
Osaka, Japan

Notes:
Size of the building is only 113.3 square meters (roughly the size of a small house.) and consists of three 5.9m high concrete cubes penetrated by a wall angled at 15°, dividing the cube into the chapel and the entrance area. A cruciform is cut into the concrete behind the altar, and lit during the morning (as it is facing east). The benches, along with the floor boards, are made of re-purposed scaffolding used in the construction

Church of Light

By Tadao Ando

http://commons.wikimedia.org/wiki/File:Ibaraki_Kasugaoka_Church_light_cross.jpg



http://arch5541.wordpress.com/2012/10/12/tadao-ando-church-of-light/
http://whiterabbitchase.com/245/church-of-light/
http://judysjapanjourney.blogspot.com/2012/05/tadao-andos-church-of-light.html

Sabin Chakradhar

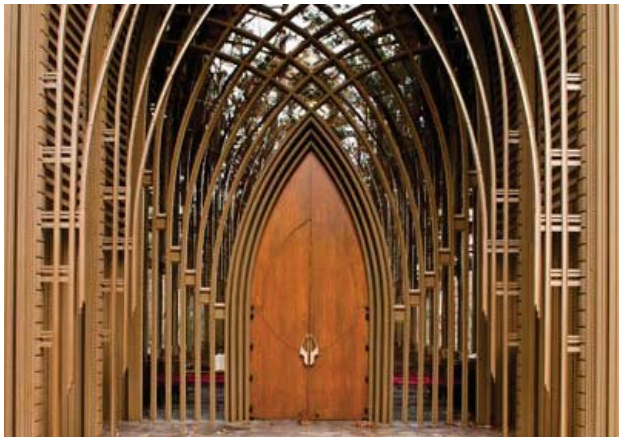
Bella Vista, Arkansas

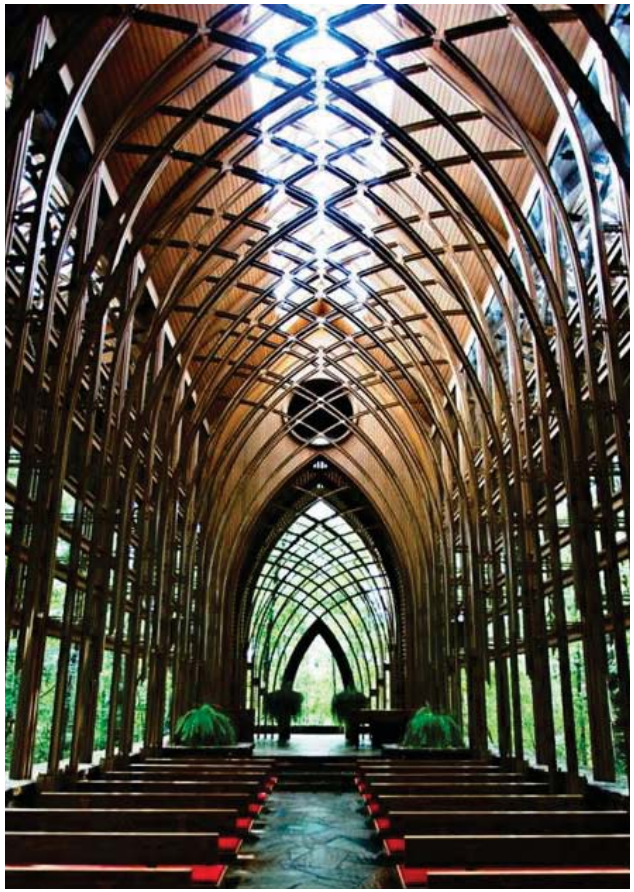
Notes:
The design recalls the Prairie School of architecture popularized by Frank Lloyd Wright, with whom Jones had apprenticed. The building features a dramatic progression of Gothic pointed arches that begins at its entrance and continues through the interior. The tall, narrow, wood-and-steel frame structure is rectangular and rests on a low stone foundation. The use of steel, in addition to wood, in the framing allowed for a design even more delicate in appearance than Thorncrown Chapel.

Mildred B. Cooper Memorial Chapel

By E. Fay Jones

http://www.panoramio.com/photo/12780360





http://thedailysouth.southernliving.com/2012/11/03/the-mildred-b-cooper-memorial-chapel-in-arkansas/
http://coreyography.wordpress.com/2011/08/06/mildred-b-cooper-memorial-chapel-bella-vista-ark/l
http://www.pinterest.com/pin/236650155391055206/

Sabin Chakradhar

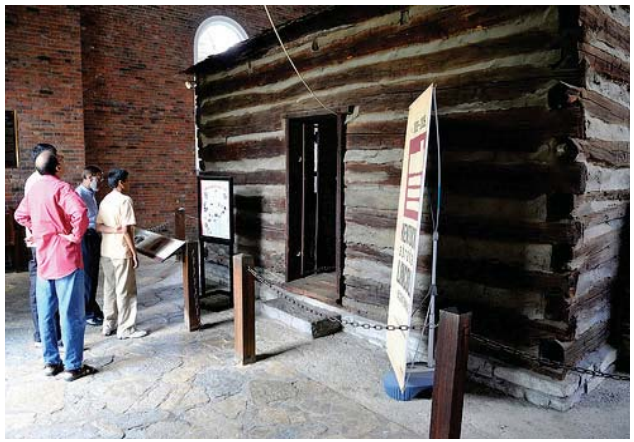
Kentucky, United States

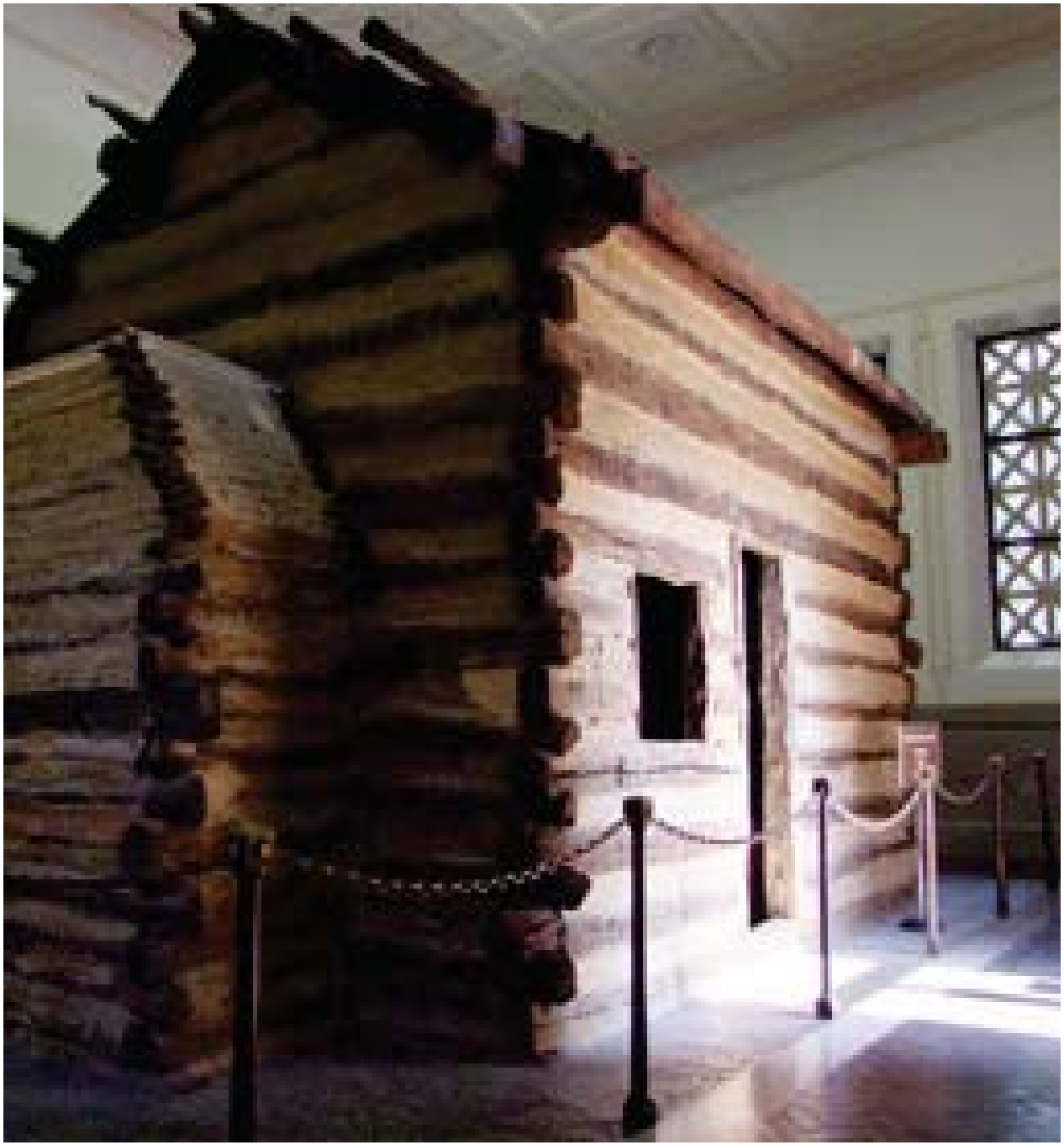
Notes:
The chapel houses the little log cabin in which the parents of Abraham Lincoln, Thomas Lincoln and Nancy Hanks, were married. Cabin was moved from its original location at Beechland in Washington to Old Fort Harrod. Constructed of handmade brick in Flemish bond in the shape of a cross. Temple is cross-shaped in plan with four wings topped by the spire. The cabin is directly under the intersection under an opening which leads to a spire and belfry

Lincoln Marriage Temple

Frederick L. Morgan

http://www.examiner.com/article/the-lincoln-marriage-temple





http://commons.wikimedia.org/wiki/File:Lincoln_Marriage_Temple.jpg
http://www.civilwar.org/hallowed-ground-magazine/trailing-lincoln.html
https://returningtokentucky.wordpress.com/tag/richard-berry-cabin/

Sabin Chakradhar

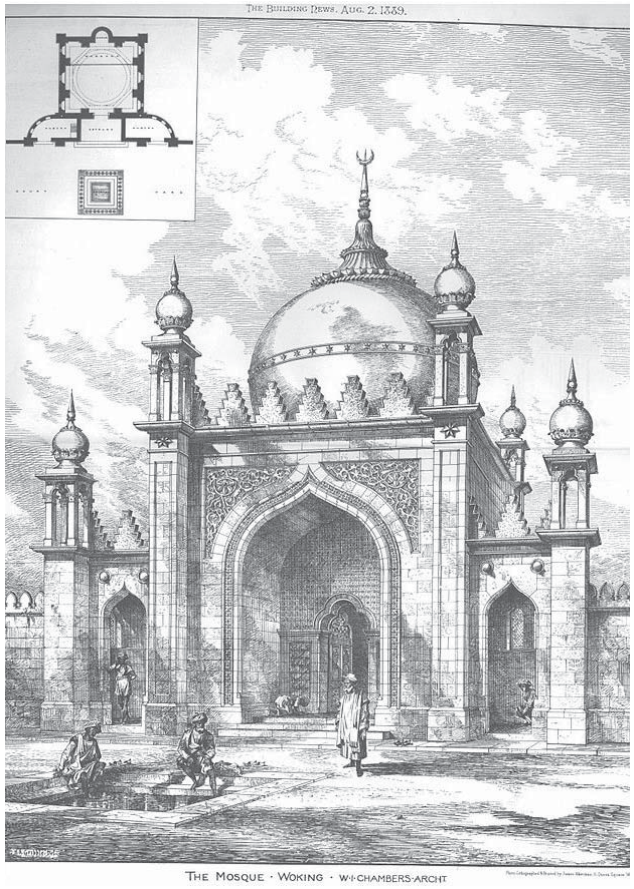
Woking, Surrey, UK

Notes:
One of the first mosques in Western Europe is built in Bath and Bargate stone in indo-saracenic style. A drawing of the Woking Mosque by the architect W. I. Chambers was published in The Building News and Engineering Journal, dated 2 August 1889, shortly before the Mosque was completed. The mosque fell into disuse briefly between 1900 and 1912.

Shah Jahan Mosque

Gottlieb Wilhelm Leitner

http://wissyweb.blogspot.com/2010/02/shah-jehan-mosque.html



THE MOSQUE · WOKING · W. CHAMBERS. ARCHT

http://www.shahjahanmosque.org.uk
http://en.wikipedia.org/wiki/Shah_Jahan_Mosque,_Woking

Fairhaven Pole House

Frank Dixon

Kyle Coughlin

Fairhaven, Victoria, Australia

- Built in 1978
- Is a home that sits atop a concrete support
- One of the most iconic beach homes in Victoria and is the most photographed home in that province.
- House sits on 40 m (49’-3”) tall structure.
- Original home is a timber framed house
- Approx. 700 sq. ft.
- In 2013 the owner demolished the original home and rebuilt a similar looking steel structure.
- Designed to evoke the magic and mystery of the forest.

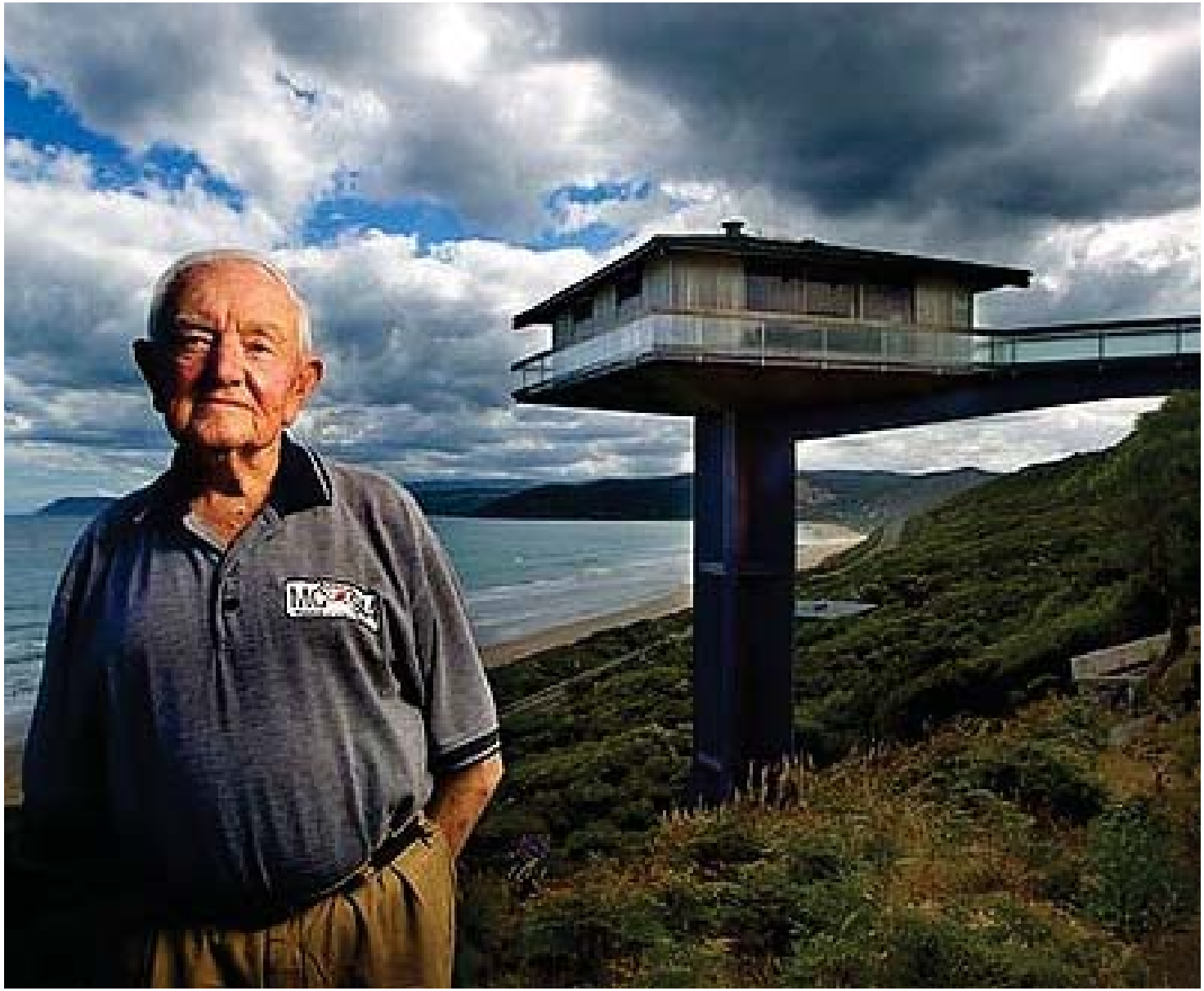


Photo Credit: Simon O’Dwyer

http://blog.superette.co.nz/2014/05/the-pole-house-by-frank-dixon.html

El Árbol

Jans Hein

Kyle Coughlin

Puerto Viejo, Costa Rica

- Built in 2005
- Supported by concrete piers and wood poles simultaneously
- Is a vacation house rental in the Gandoca Manzanillo Refuge
- Has great views and is situated below forest canopy.
- Open living room plan.
- Inspiration was to make a comfortable setting in the forest

Photo Credit: http://www.usualhouse.com/catalog/tag/david-patterson-photography/

http://missybrowndesign.com/index.html
http://www.usualhouse.com/catalog/company/missy-brown-design/

Lagniappe House

John Williams-Concordia Architects

Kyle Coughlin

New Orleans, Louisiana

- Built in 2010
- Built for the “Make-It-Right Foundation”
- Is available in different configurations; 1 level & 2 level
- Supported by concrete piers
- Home is LEED Platinum certified
- Has solar panels on the roof
- Porches allow for social interaction with neighbors
- Located in The ninth ward and was built in response to Hurricane Katrina
- Sometimes referred to as a “Brad Pitt home” because the foundation “Make-It-Right” was started by the actor.

http://concordia.com/projects/lagniappe-house/

http://www.solaripedia.com/13/138/1287/lagniappe_house_during_construction.html

The BR House

Marcio Kogan

Kyle Coughlin

Rio de Janeiro, Brazil

- Built in 2002-2004
- Situated in the Rainforest
- Project area was 74,000 sq. ft.
- Is a modern spin on traditional stilt houses like that which are in Asia.
- The finishes both interior and exterior are teak (hardwood), stone (local), concrete. and drywall.

Photo Credit: Nelson Kon

http://www.archdaily.com/99255/br-house-marcio-kogan/

Malay Vernacular

Traditional

Kyle Coughlin

- High Ceilings, Verandas, and typically on stilts
- Follows rules of proportions
- Also has an emphasis on climate control
- Elevated to protect dwelling from flooding
- Certain variations of this style incorporate elevated walkways
- The front door is intended to be used solely by males while a door in the kitchen is intended to be used only by females.

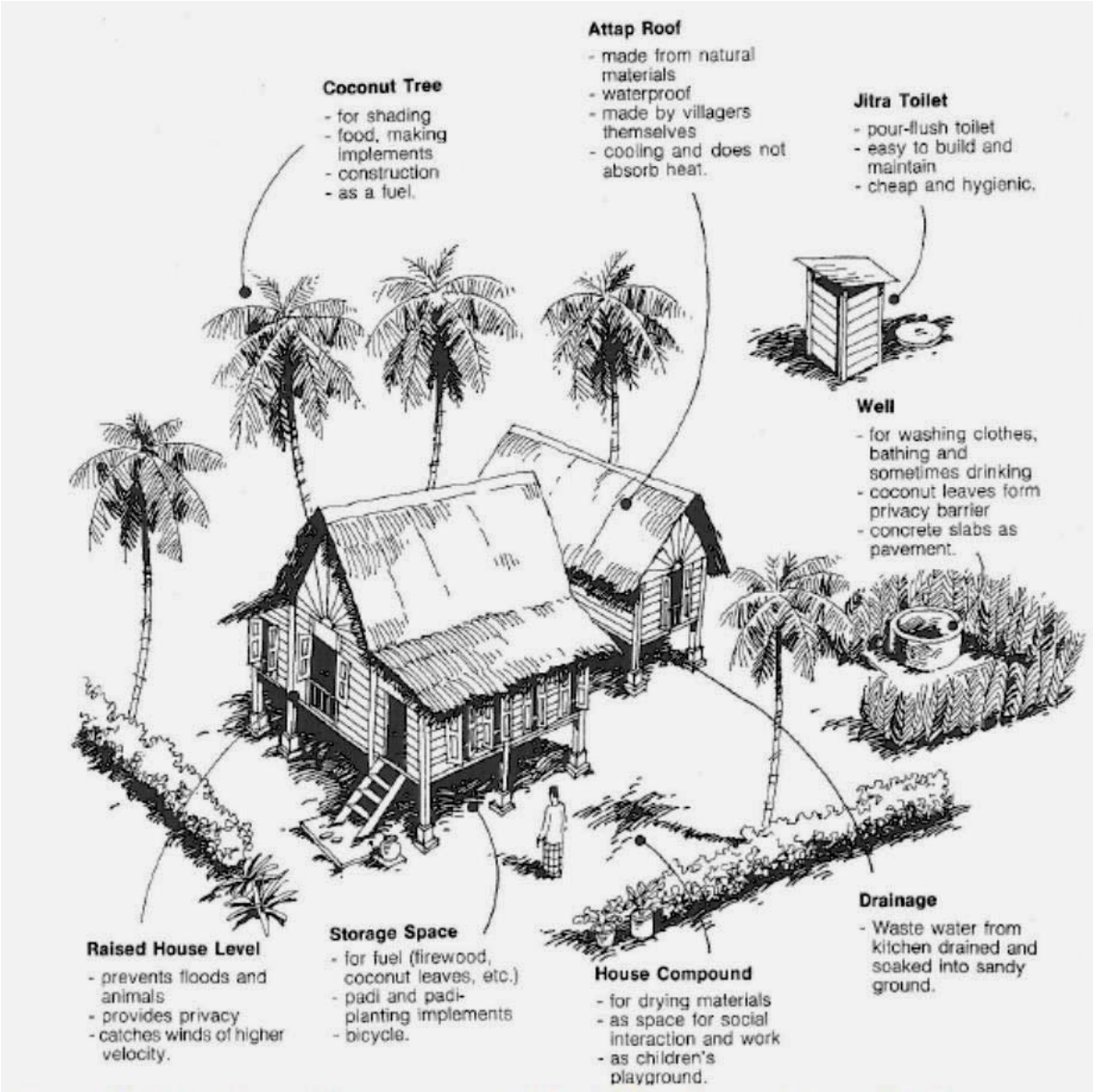
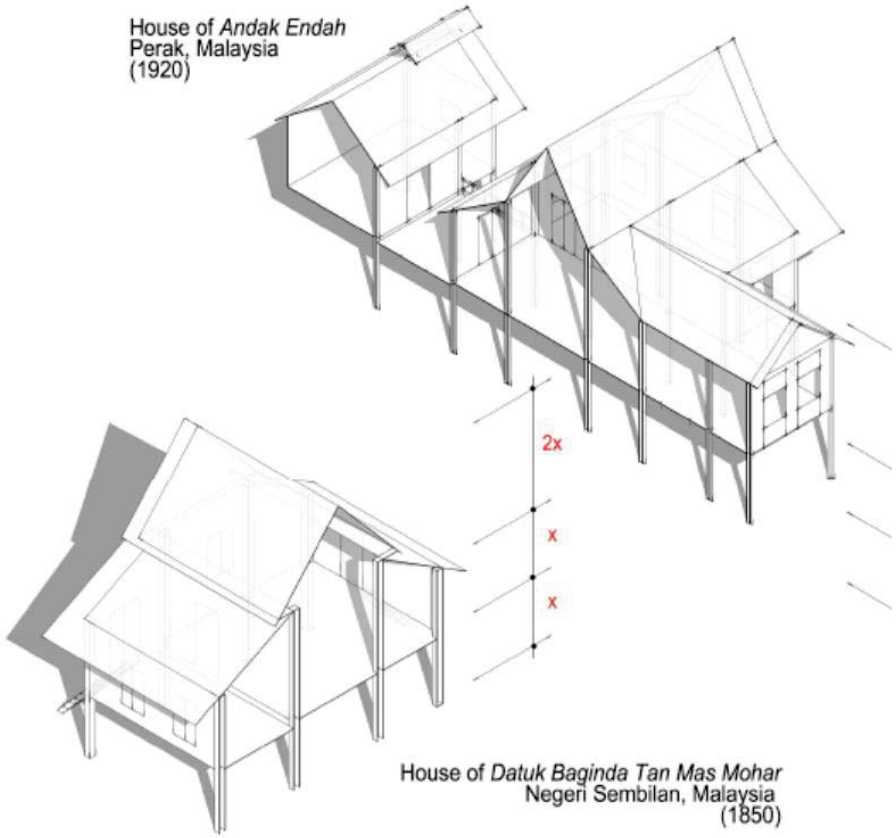
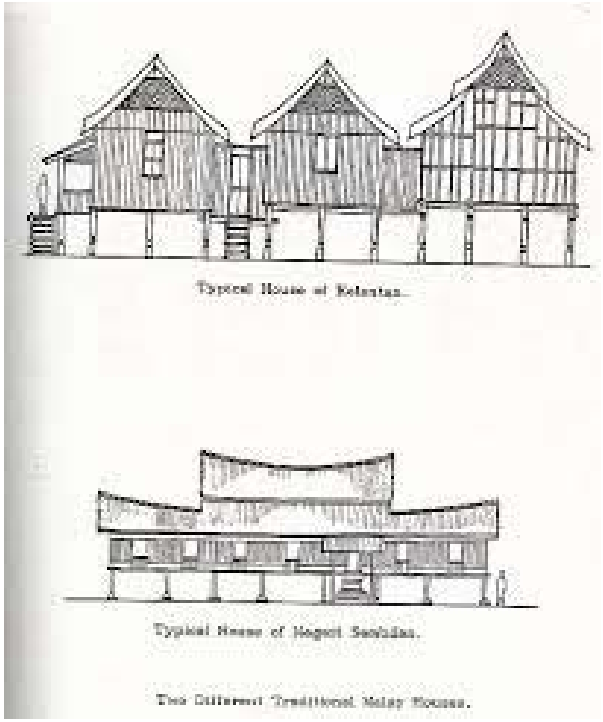


Figure 15: The External Environment of the Malay House (Yuan, 1987).

House of *Andak Endah*
Perak, Malaysia
(1920)



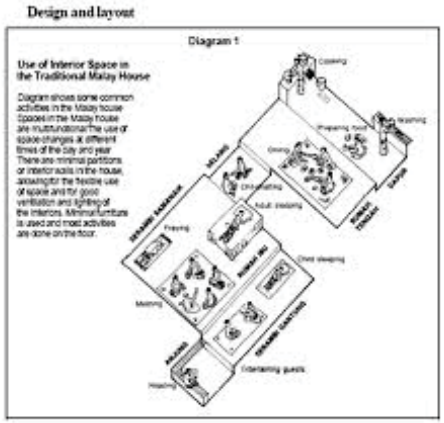
House of *Datuk Baginda Tan Mas Mohar*
Negeri Sembilan, Malaysia
(1850)



Typical House of Kelantan.

Typical House of Negeri Sembilan.

Two Different Traditional Malay Houses.



http://traditional-malay-house.blogspot.com/
http://www.hbp.usm.my/conservation/malayvernacular.htm

Holy Rosary Chapel

Architect: Trahan Architects

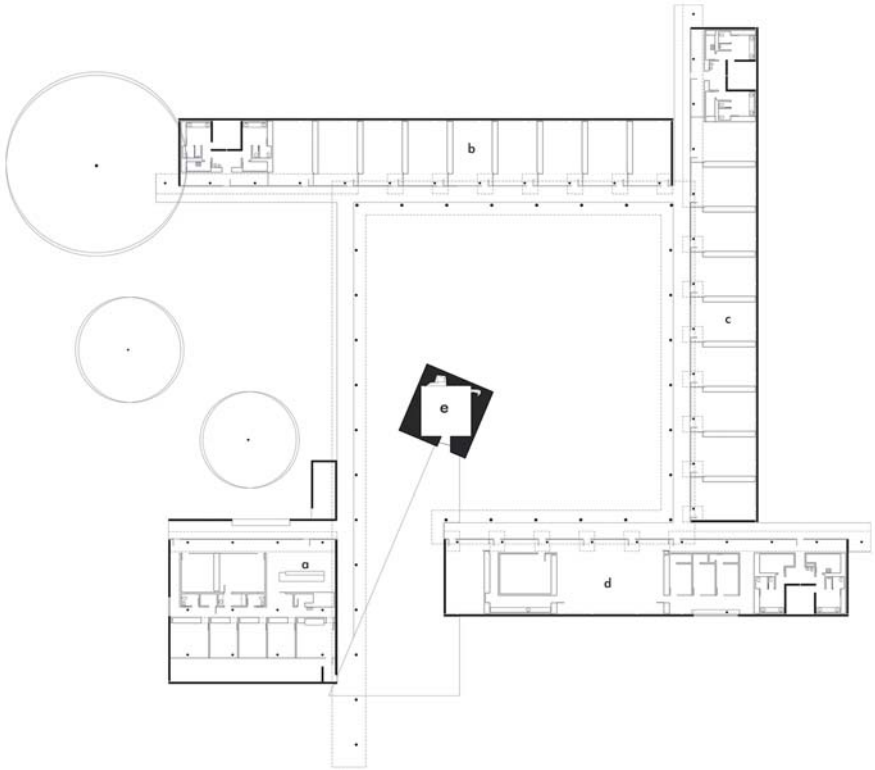
Olivia Diaz

Amant, Louisiana

Description:

- This is the newly remodeled church.
- The chapel lays in the middle of the church courtyard.
- The light penetrated into the structure is done by the cavaties cast into the building..
- The light illuminating the building is symbolically to the structure.
- Creates a place for mediatioon and connection with the spatial experience.

"Holy Rosary Church Complex/Trahan Architects." ArchDaily. N.p., 27 July 2009. Web. 16 June 2014.



http://www.archdaily.com/3014/holy-rosary-church-comlex-trahan-architects/
http://sigalonenvironment.soup.io/tag/AD%20Round%Up?newer=1
http://architnect.com/features/article/75715/trey-trahan-defining-local-architecture-at -a -variety-of scales.

Sunset Chapel

Architect: BNKR Architect

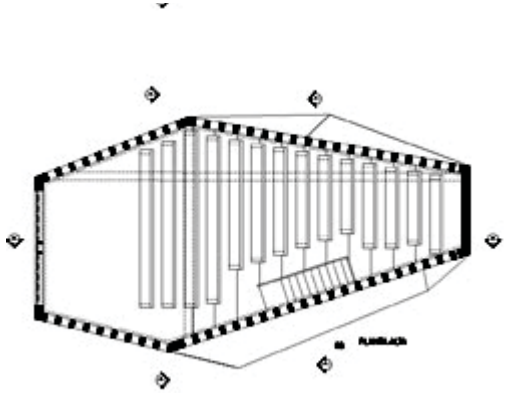
Olivia Diaz

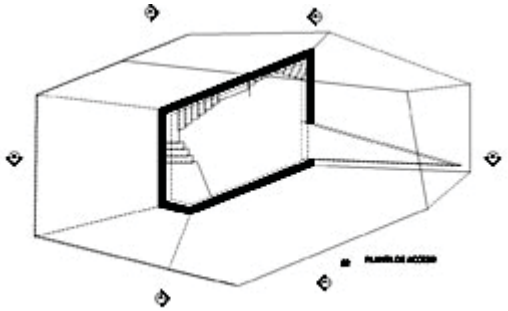
Acapulco, Mexcio

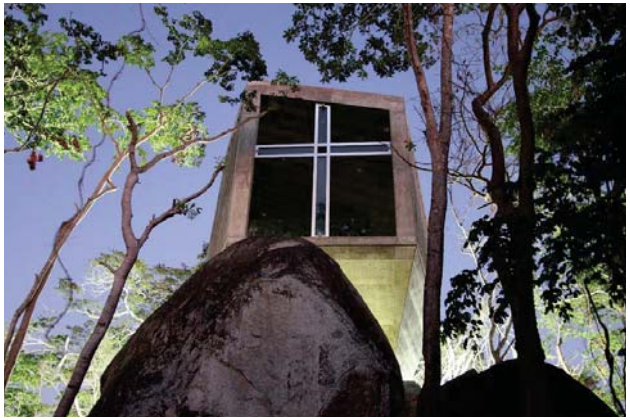
Description:

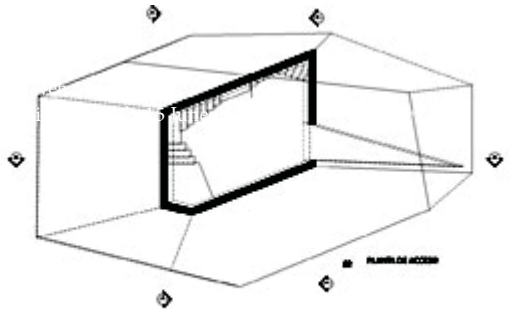
- Decisions were made on terms of contrast, ext. Glass vs Concrete, Solidity vc Transparency.
- Chapel takes advantage of all views.
- Sun sets behind the altar cross.
- Built with making the least change to vegetation.
- Hills surrounding it are made of huge boulders, the chapel was design to fix in with the environment.
- Raised above the treeline 5m.
- Made of concrete and glass walls.

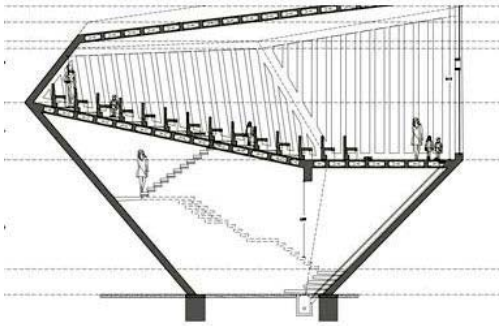
"Sunset Chapel/BNKR Arquitectura." ArchDaily. N.p., 28 Feb. 2011. Web 15 June 2014
"Sunset Chapel." Architecture We Keep you Informed with our news. Architonic, n.d. Web. 15 Junee 2014











"Sunset Chapel". Architecture We Keep you informed with our new s. Architonic, n.d. Web. 15 June 2014
http://www.archdaily.com/114761/sunset-chapel-bnkr-architecure/

St. Benedikt Chapel

Architect: Kunze Seeholzer

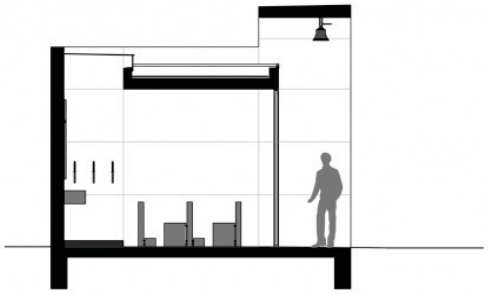
Olivia Diaz

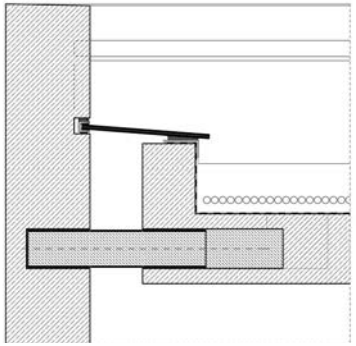
Kolbermoor, Germany

Description:

- Project Area is 17.1m
- Designed to create two spaces.
- It is build from concrete and wood.
- The main entry is a facade, marking the passage from outside to inside.
- There are no windows, just natural light.
- light and shade are essential to the chapel.
- The chapel is isolated in the middle of the park. Isolated to let an individual make that spiritual connection.

"St. Benedikt Chapel/ Kunze Seeholzer." ArchDaily. N.p.,24 Dec. 2009. Web 14 June 2014





http://www.archdaily.com/44553/st-benedikt-chapel-kunze-seeholzer.

Farewell Chapel

Architect:OFIS Arhitekti

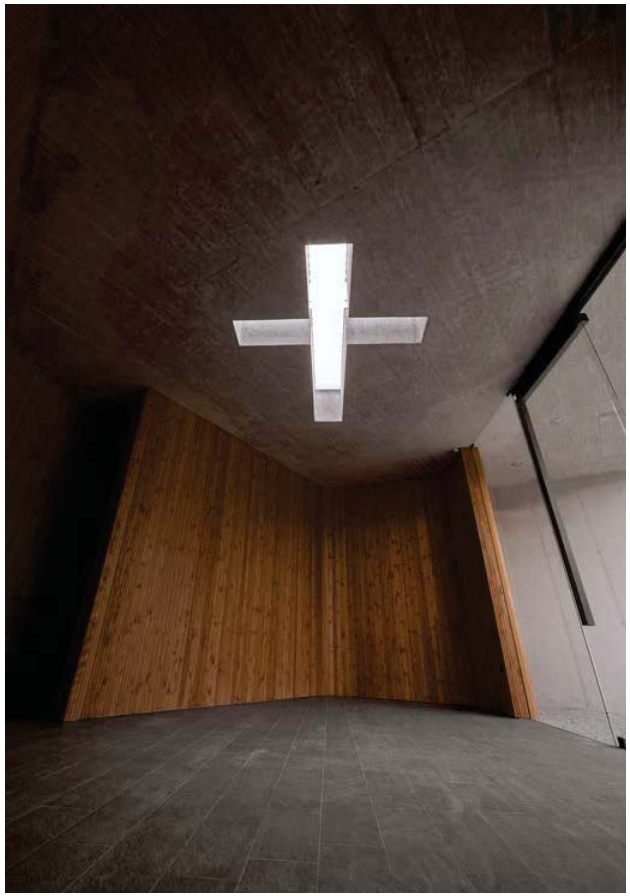
Olivia Diaz

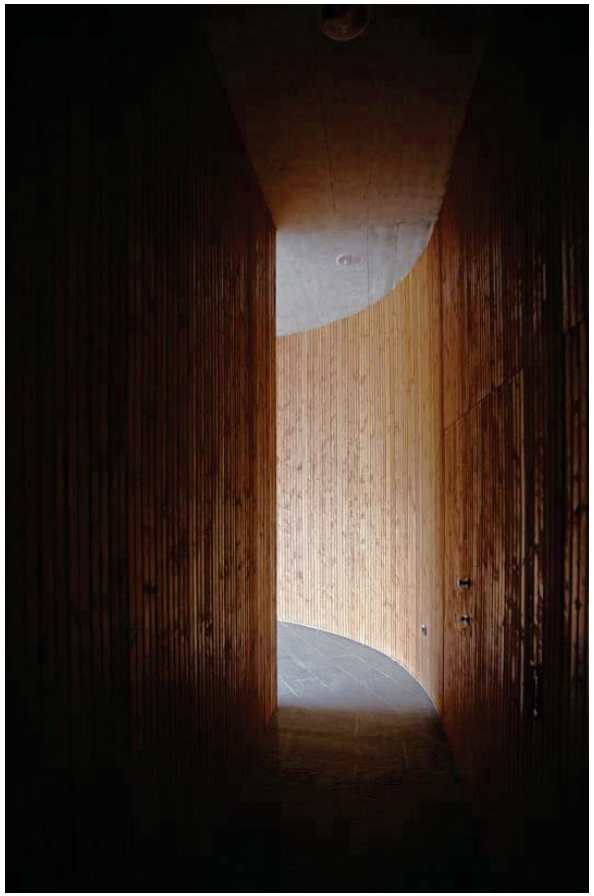
Krasnja, Slovenia

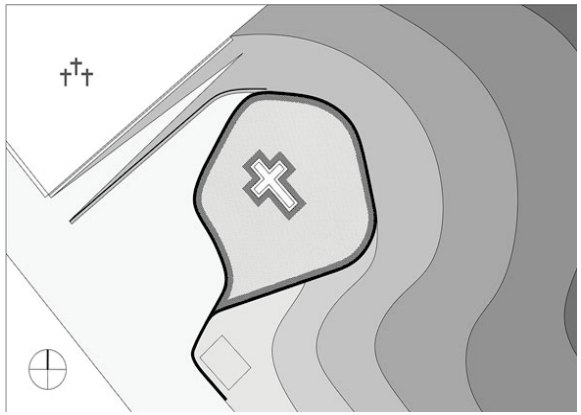
Description:

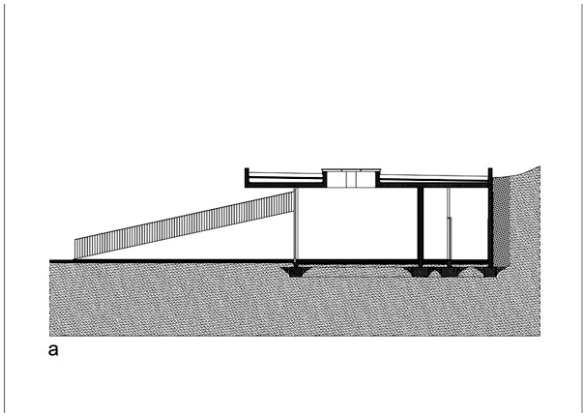
- The chapel makes the most of its site, nurturing it.
- Building cuts into the landscape.
- The chapel follows the contures taking its shape.
- The roof follows its own curvature.
- Made of concrete, larch wood, and glass.

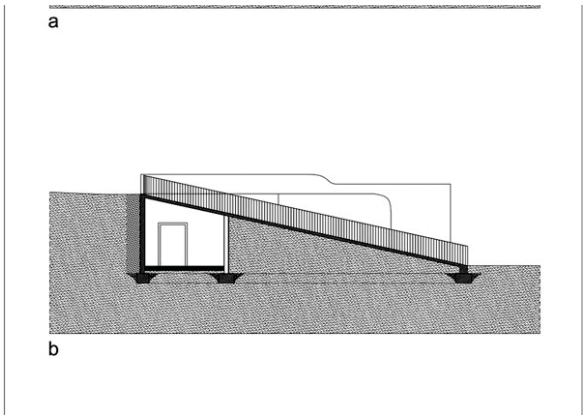
"Farewell Chapel/ OFIS Arhitekti." ArchDaily. N.p., 17 June 2009. Web. 15 June 2014

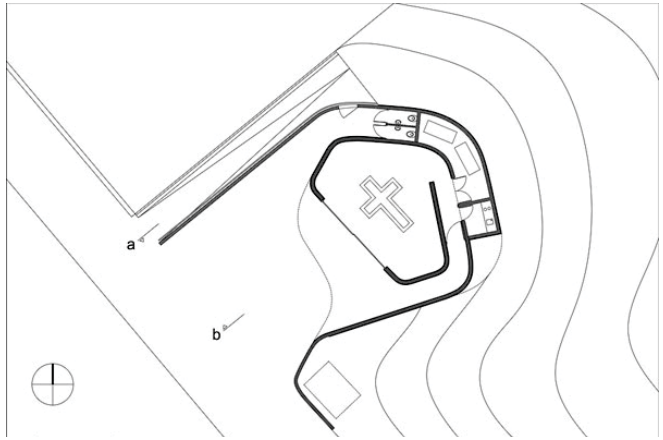












http://www.archdaily.com/25453/farewell-chapel-ofis-arhitekti/
http://www.yatzer.com/Farewell-Chapel-by-OFIS-Arhitekti-in Slovenia

Porciuncula de La Milagrosa

Architect:Daniel Bonilla Architects

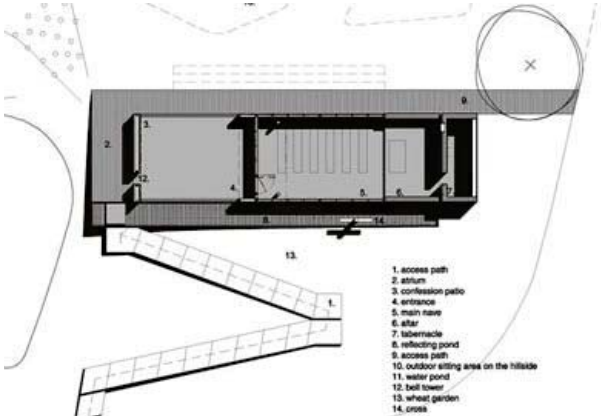
Olivia Diaz

La Calera, Columbia

Description:

- Emphasizes on the natural features on the environmnet.
- Focuses on wind and light.
- Made of steel, glass, and wood.
- Inside related to the landscaope that surrounds it.
- Represents the passage between 2 worlds.

Cilentro, Karen. “Porciuncula De La Milagrosa chapel/ Daniel Bonilla Arquitector.” Porciuncula De La Milagrosa/ Daniel Bonilla ArchDaily, 12 Apr. 2010.



http://www.archdaily.com/56113/porciuncula-de-la-milargrosa-chapel-daniel-bonilla

Capilla de Retiro

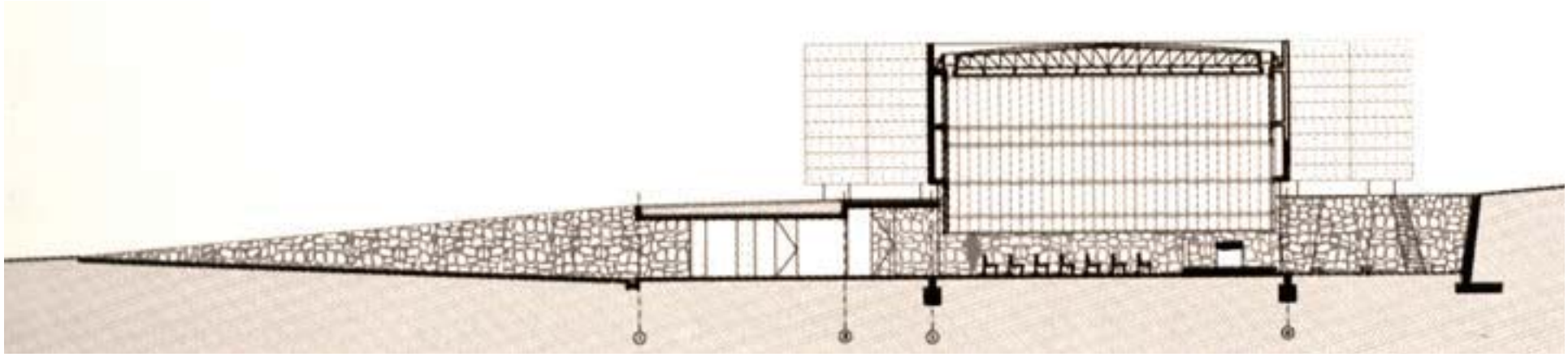
Architect: Undurraga Deves Arquitectos

Olivia Diaz

Los Andes Valley, Chile

Description:

- The chapel is both embedded on the ground yet makes a present on top.
- The interior is a wood box.
- The stone wall that surrounds is was designed to expand the space of light that enters the chapel.
- The builiding which seems to be levitate adds to the spiritual effect.
- Both light from the top and underneath brighten the chapel throughout the day.

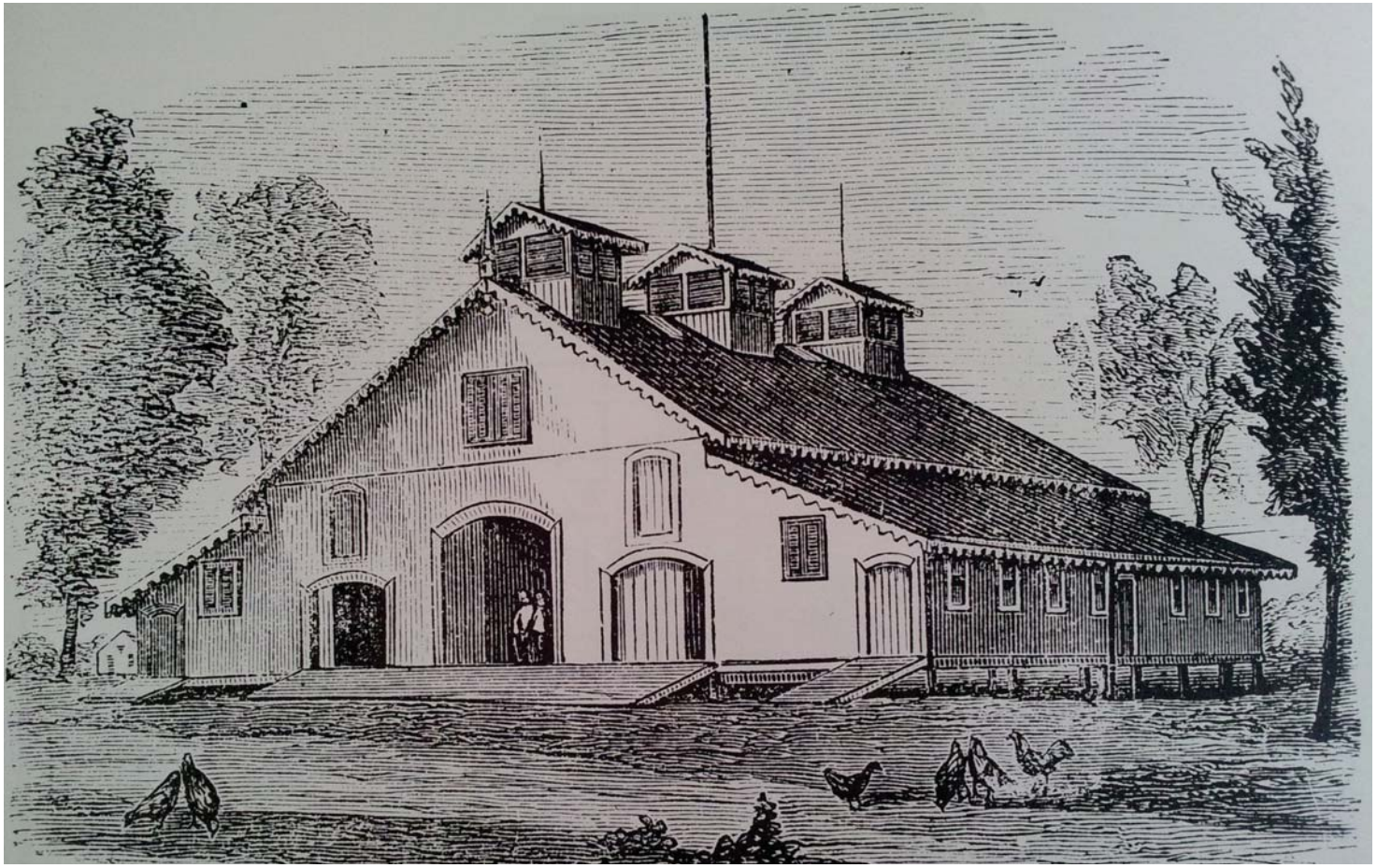


http://www.archdaily.com/221334/capilla-del0retiro-undurrage-deves-architectos

Ronald Greene

A MISSOURI BARN

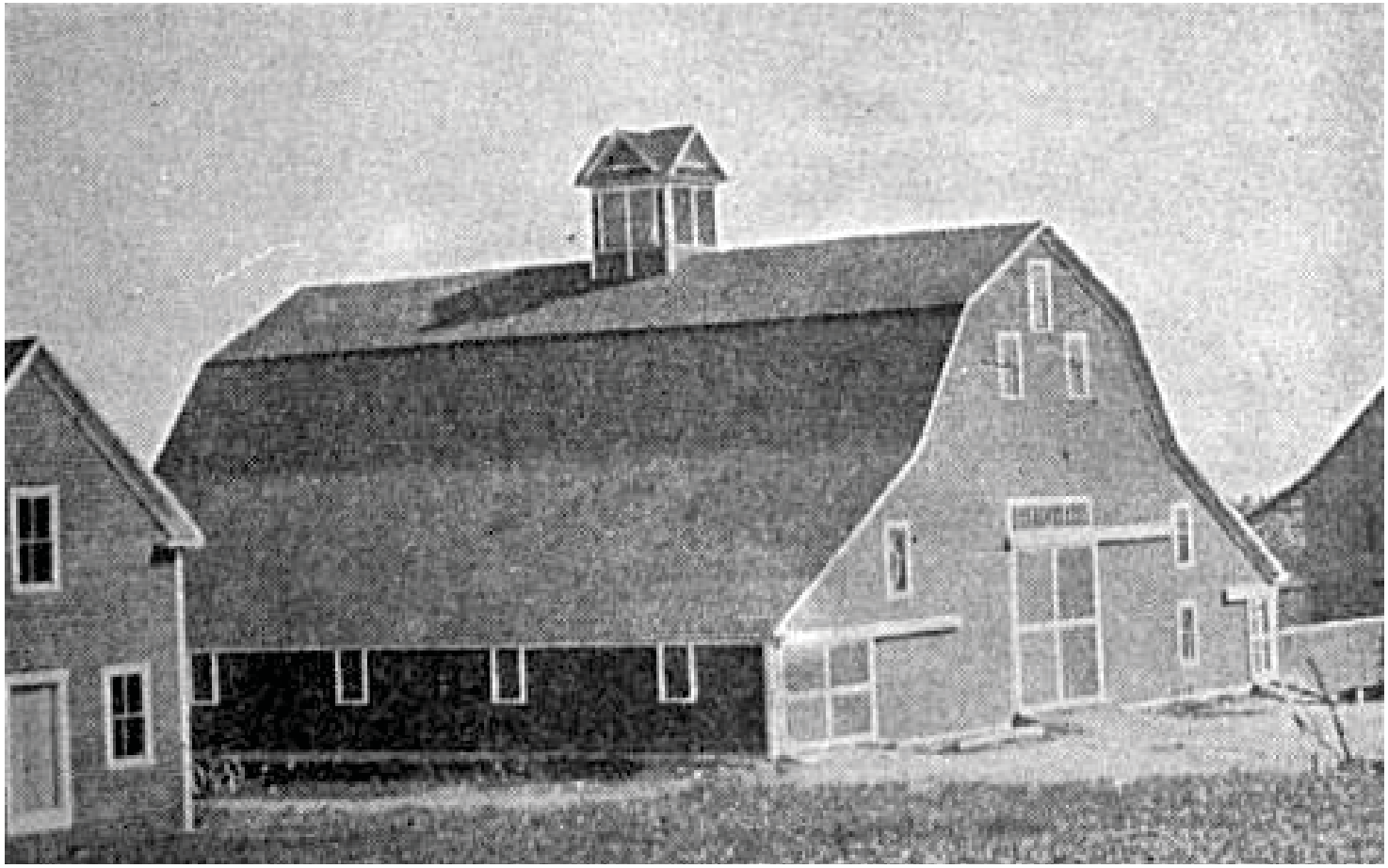
Audrain County, Mo



NORTHERN MAINE STOCK AND HAY BARN

Northern Maine

Ronald Greene



Ronald Greene

ILLINOIS HORSE BARN

Manhattan

CILEWENT FARMHOUSE

Cilewent, Llansanffraid Cwmteuddwr, Wales

Ronald Greene

Ronald Greene

Low German House

Uetersen, Germany

HENDRE-WEN BARN FARMHOUSE

Llangynhafal, Denbighshire, Wales

Ronald Greene

Ronald Greene

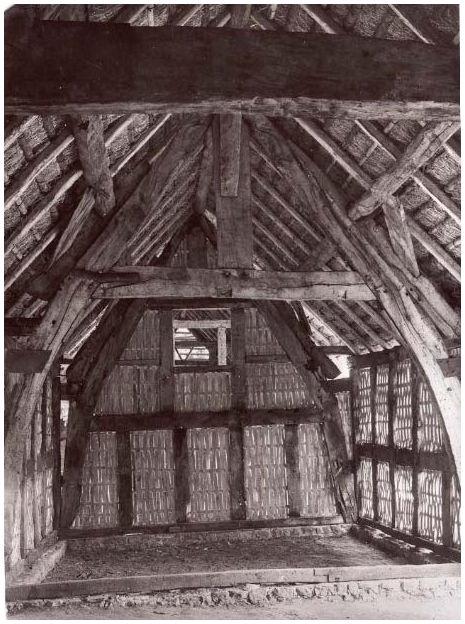
HENDRE-WEN BARN

Llanrwst, Gwynedd, Wales

STRYD LYDAN BARN

Penley, Wrexham, Wales

Ronald Greene



Ryan Kinports

Bedford Hills, NY

Vision of Robin Roberts (founder Clarence House), architect Milton Klein, landscape architect Armand Benedek, and interior designers Jay Spectre and Geoffrey Bradfield. This residence is located on 21.7 acres landscaped with great detail particularly focussed on Kwanzan cherry trees which have a vibrant bloom cycle. The home is a transition from the outside to the protected estate gardens.

Twin Ponds

Milton Klein

Photos: Douglas Elliman Real Estate

Stamp House

Charles Wright Architects

Ryan Kinports

Queensland, Australia

This heavy fortress sits between a dense jungle and a stunning coastal beach isolated from human contact. It is a cyclone prone area (resistant to category 5), off grid: total 250,000 ltr water harvesting (66,043 US gal), recycling & reticulation, renewable solar energy generation with solar backup non-reliant on fossil fuel backup generation, On-site Advanced Tertiary Sewerage treatment plant, grey water recycling & irrigation, Shaded & Insulated Thermal mass engineering, ‘green’ cooling & energy conservation controlled via building automation system (CBUS).

Photos: Alkira

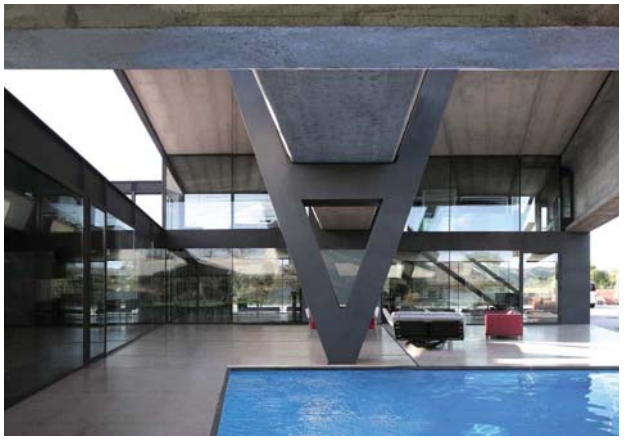
Ryan Kinports

Madrid, Spain

"...the place where the sun sets. An allusion to a place that exists only in our mind, in our senses, that is ever-changing and mutable, but is nonetheless real."

Hemeroscopium House

Ensamble Studio



Photos: Ensamble Studio

Ryan Kinports

Madrid, Spain

Incorporates two granite rocks, one of them structurally and the other as an articulation that makes the main access to the house. The long pool reflects the surroundings adding to the feeling of cohesion between the natural and built environments.

Pitch House

Iñaqui Carnicero Alonso-Colmenares

Photos: Iñaqui Carnicero

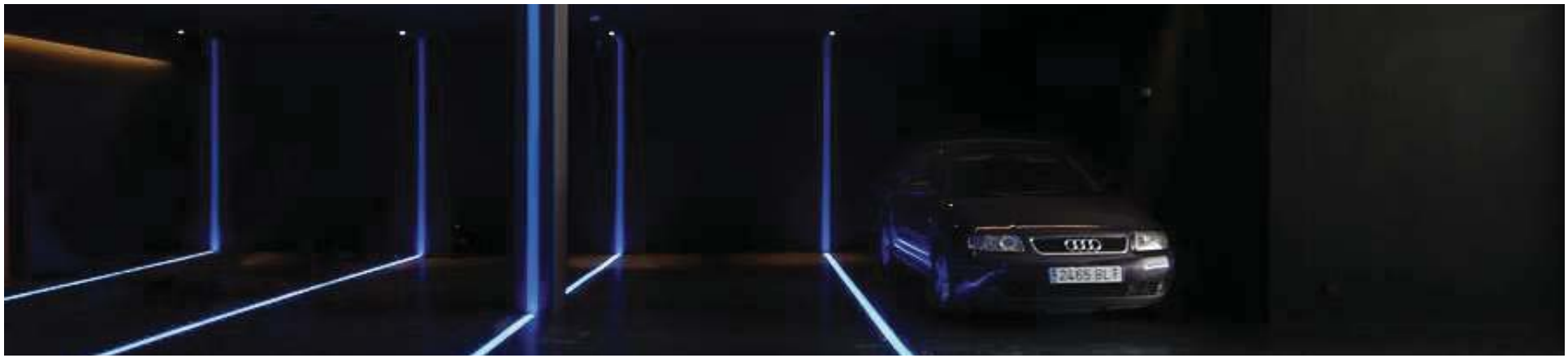
Concrete House II

Joaquin Torres Architects

Ryan Kinports

Pozuelo de Alorcón, Spain

This collection of stark horizontal lines allows the natural surroundings to cut into the negative spaces within the structure. The minimized visual footprint creates a robust connection to the landscape.



Photos: Luis H. Segovia

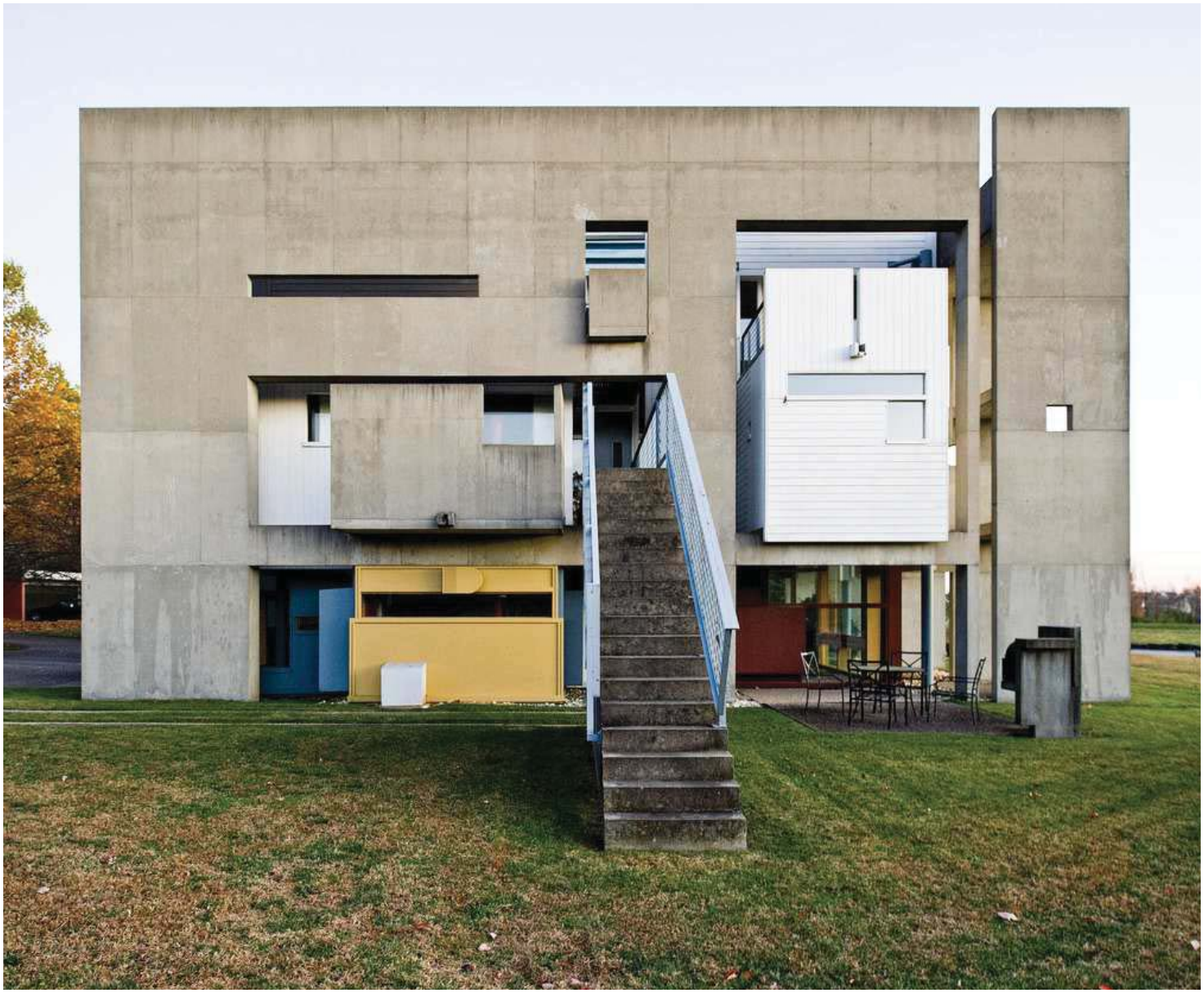
Ryan Kinports

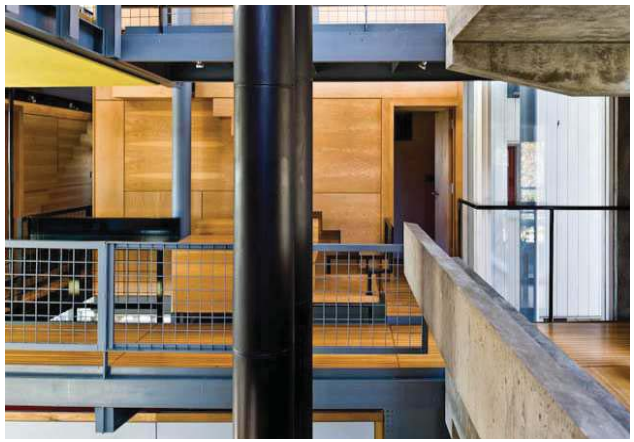
Lexington, Kentucky

This structure is oddly distant from the earth for a brutalist design. However, the exterior portals frame the landscape when looking outward.

Miller House

Jose Oubrerie





Photos: Samuel Ludwig

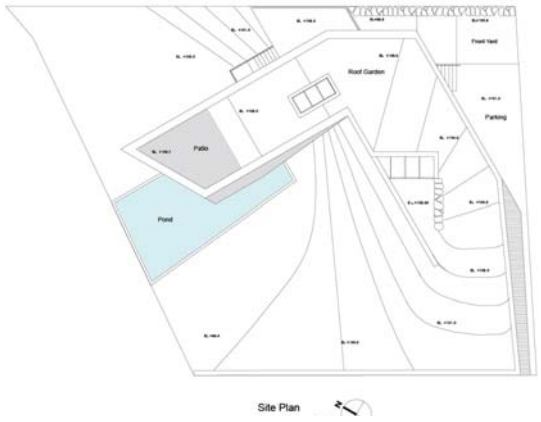
Villa Topoject

Architecture of Novel Differentiation (AND)

Name : Haoyang Li

Location: Gyeonggido, Korea
Project Year: 2010
Project Area: 199 sqm

http://www.archdaily.com/161360/villa-topoject-and/



Site Plan

http://www.archdaily.com/161360/villa-topoject-and/

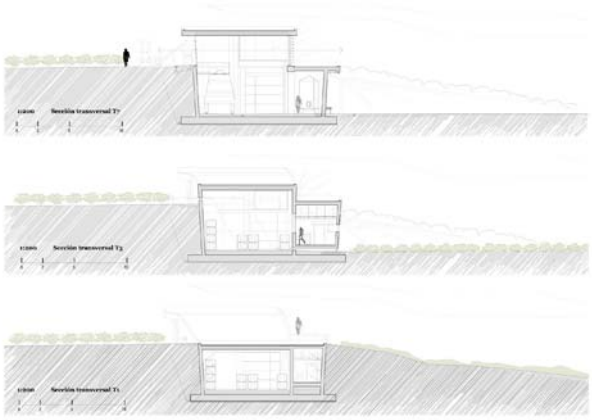
Qumran Winery

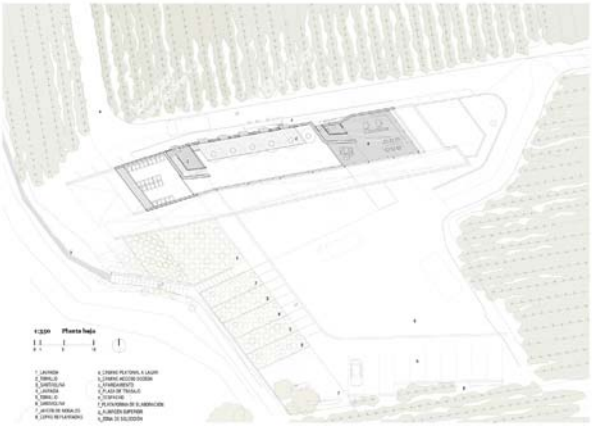
Konkrit Blu Arquitectura

Name : Haoyang Li

Location: Peñafiel Valladolid, Spain
Structure: Martí Cabestany I Puértolas
Engineering: Benito Gutierrez, MeCa asociados
Riggers: Laura Sanz Sanz, Salvador Méndez de la Viuda
Lighting: Alvarez Beltran
Contractor: Construcciones del Duratón
Client: Bodegas y Viñedos Qumrán, S.A.
Project Year: 2006-2009
Project Area: 700 sqm

http://www.archdaily.com/67742/qumran-winery-konkrit-blu-arquitectura/?ad_medium=widget&ad_name=selected-buildings&ad_content=67742





http://www.archdaily.com/67742/qumran-winery-konkrit-blu-arquitectura/?ad_medium=widget&ad_name=selected-buildings&ad_content=67742

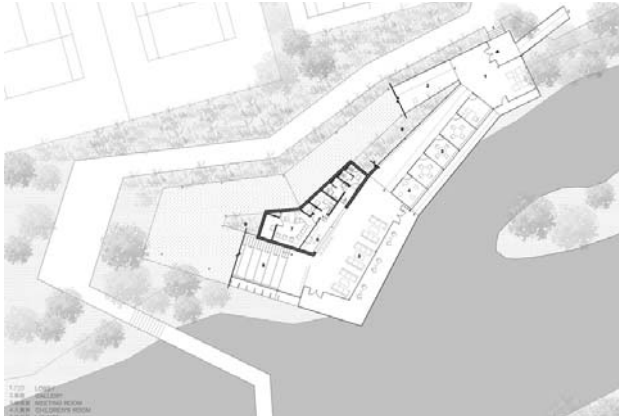
Riverside Clubhouse

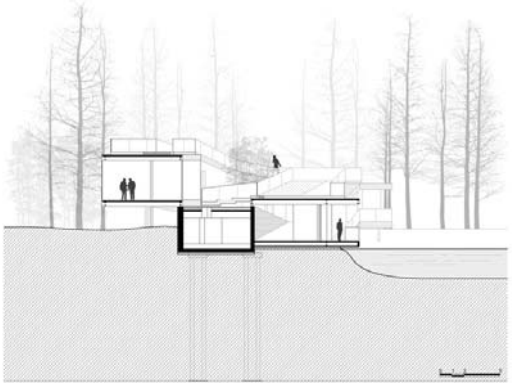
Tao (Trace Architecture Office)

Name : Haoyang Li

Location: Yancheng, Jiangsu, China
Design Team: HUA Li, Zhang Feng
Floor area: 500 sqm.
Completion: 2010
Client: Zhongti Corp.

http://www.archdaily.com/204840/riverside-clubhouse-tao/





http://www.archdaily.com/204840/riverside-clubhouse-tao/

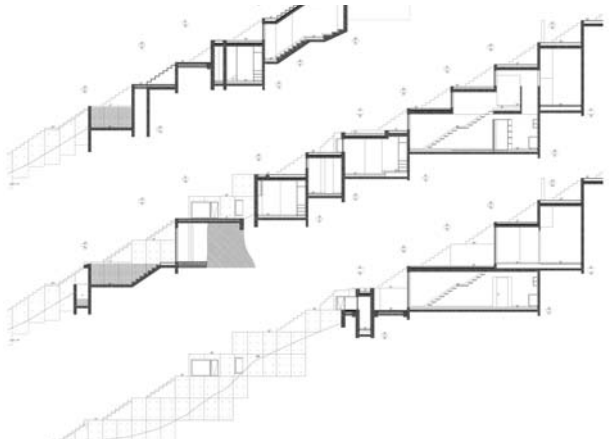
Tolo House

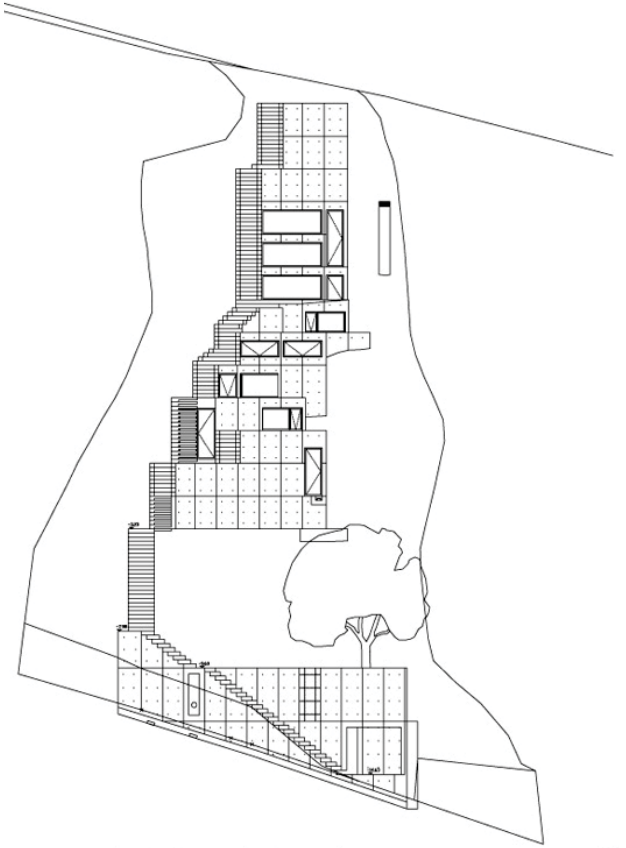
Alvaro Leite Siza

Name : Haoyang Li

Location : Lugar das Carvalhinhas – Alvite, freguesia de Cerva, Ribeira da Pena District
Client: Luís Marinho Leite Barbosa da Silva
Site Area: 1000 sqm
Constructed Area: 180 sqm
Contractor: Óscar Gouveia
Landscape: Alvaro Leite Siza Vieira
Materials: Concrete
Services: GOP
Project Start: 2000
Project Complete: 2005

http://www.archdaily.com/893/tolo-house-alvaro-leite-siza/





http://www.archdaily.com/893/tolo-house-alvaro-leite-siza/

Name : Haoyang Li

Location : Bentonville, Arkansas
Project year: 1969

Applegate House

Fay Jones

http://andrewtboyne.com/organicarchitecture/jones_applegate.html

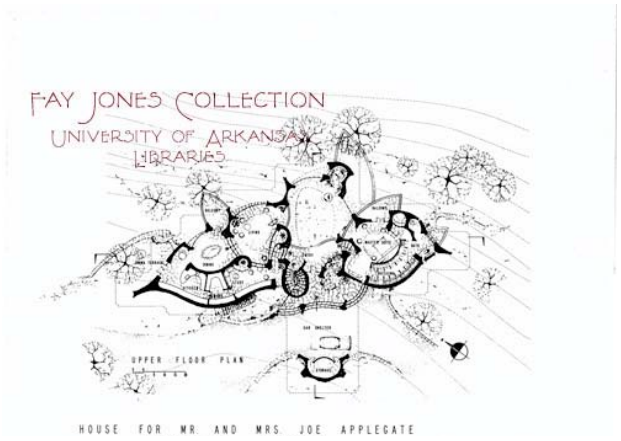


photo citations (if not used please DELETE)

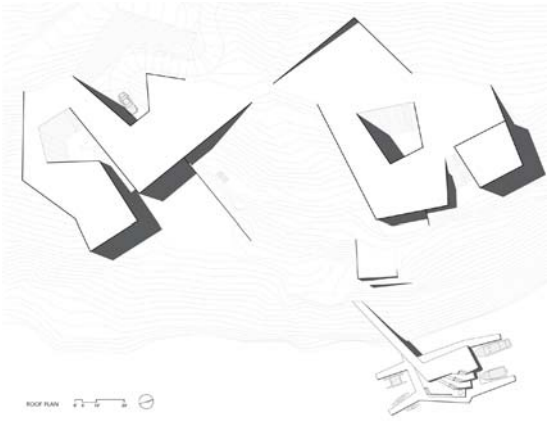
Lakeside Retreat

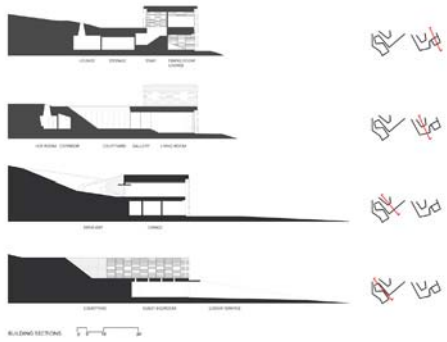
GLUCK+

Name : Haoyang Li

Location: Adirondack, NY, USA
Design Team: Kees Brinkman, Holly Chacon, Kathy Chang, Steven Chen, Christopher Farnum, Peter L. Gluck, Charles Greenwald, Bethia Liu, Adam Manrique, Joseph Morin, Eric Schaefer
Year: 2010

http://www.archdaily.com/359982/lakeside-retreat-gluck/





http://www.archdaily.com/359982/lakeside-retreat-gluck/

Watsu Massage School at Harbin Hot Springs

Faze Change Produx

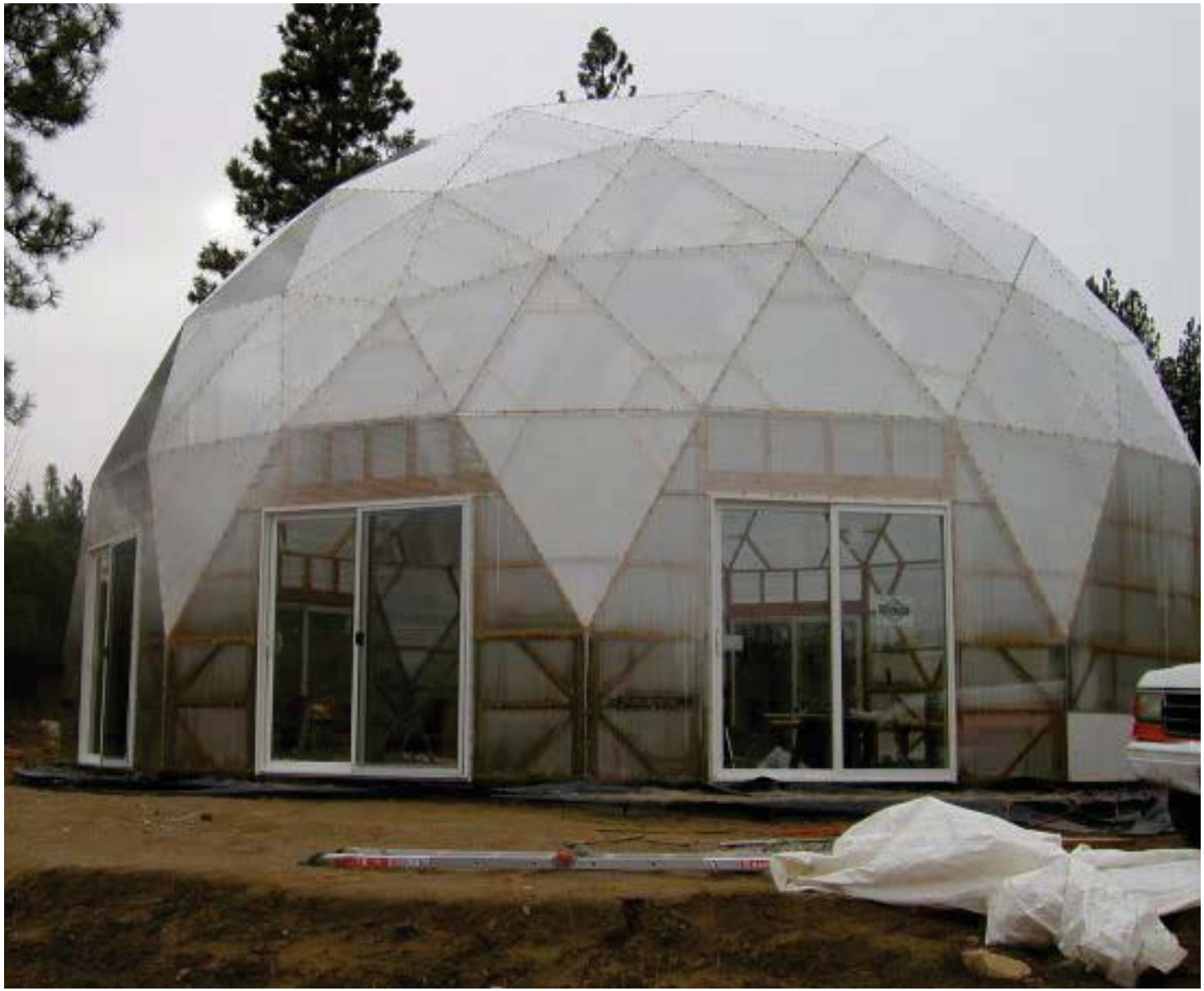
Richard Chase Master
Location: Harbin Hot Springs, California
Description:

- Dome Kit
- Cupla For Natural Ventaletion
- Artistically sculpted around EconOdome frame kit
- six spheres formed from ten hemispheres of three different sizes and one small sphere

hhttp://www.econodome.com/harbin6.htm
http://www.econodome.com/domehomephotos.htm

Greenhouse/Arboretum

Keith and Dora Zornes



Chase Master
Location: Washington
Description:

- Dome kit
- Greenhouse/Arboretum
- large enough for trees
- uses polycarbonate sheeting for wall covering and windows
- wood structure is soaked in oil and paint thinner as a water resistaint
- Heat pipes underground transpher heat from dome to ground for winter use
- dome just rests on a bed of gravel for its foundation

http://www.econodome.com/arb.htm

http://www.econodome.com/

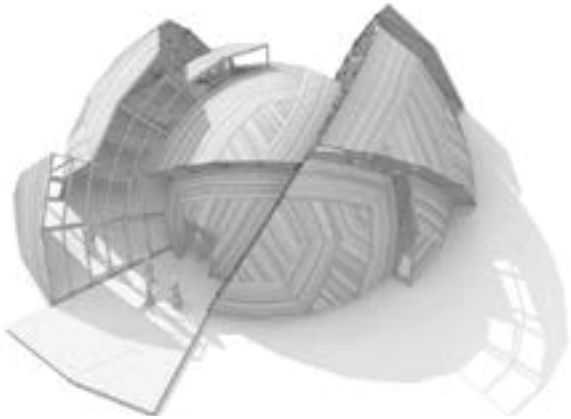
Deconstructed Geodesic Dome

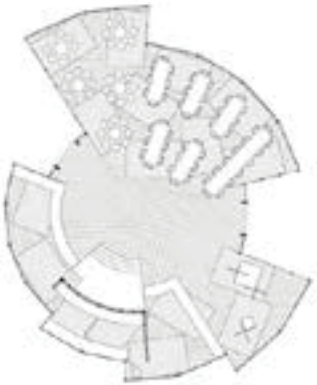
Kristoffer Tejlgaard and Benny Jepsen.

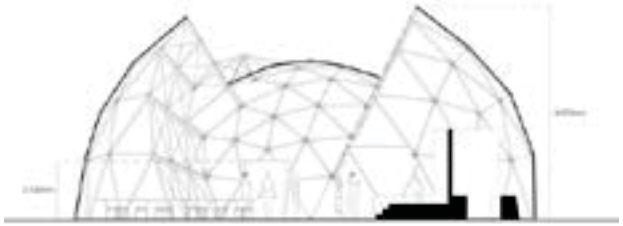
Chase Master
Location: Bornholm, Denmark
Description:

- temporary building
- used all recycled local wood
- used for a festivle “People’s Meeting”
- has a kitchen, bar, dining area, and stage
- custom steel plates for joints
- triangular modules can be removed, expanded or contracted, made into a window, a door, or treated with a different veneer
- Area: 212m2.
- Height: 8m.
- Client: BL, Denmark’s Public Housing.
- Engineer: Henrik Almegaard.
- Date: June 2012.

http://www.behance.net/gallery/5228001/Peoples-Meeting-Dome
http://reclamationadministration.com/2012/09/29/fantastic-deconstructed-geodesic-dome-is-built-with-local-and-recycled-wood-treehugger/







http://www.treehugger.com/green-architecture/deconstructed-wooden-geodesic-dome-kristoffer-tejlgaard-benny-jepsen.html

Bubbletecture H

Shuhei Endo

Chase Master
Location: Sayo-cho, Hyogo pref.
Description:

- built with local wood found on site
- Site Area _____ 5,000 m2
  Building Area _____ 968 m2
  Total Floor Area _____ 994 m2
- steep sloped turrain
- Forest area
- Exterior building skin is rustic metal

http://inhabitat.com/bubbletecture-h-by-shuhei-endo/attachment/15384/

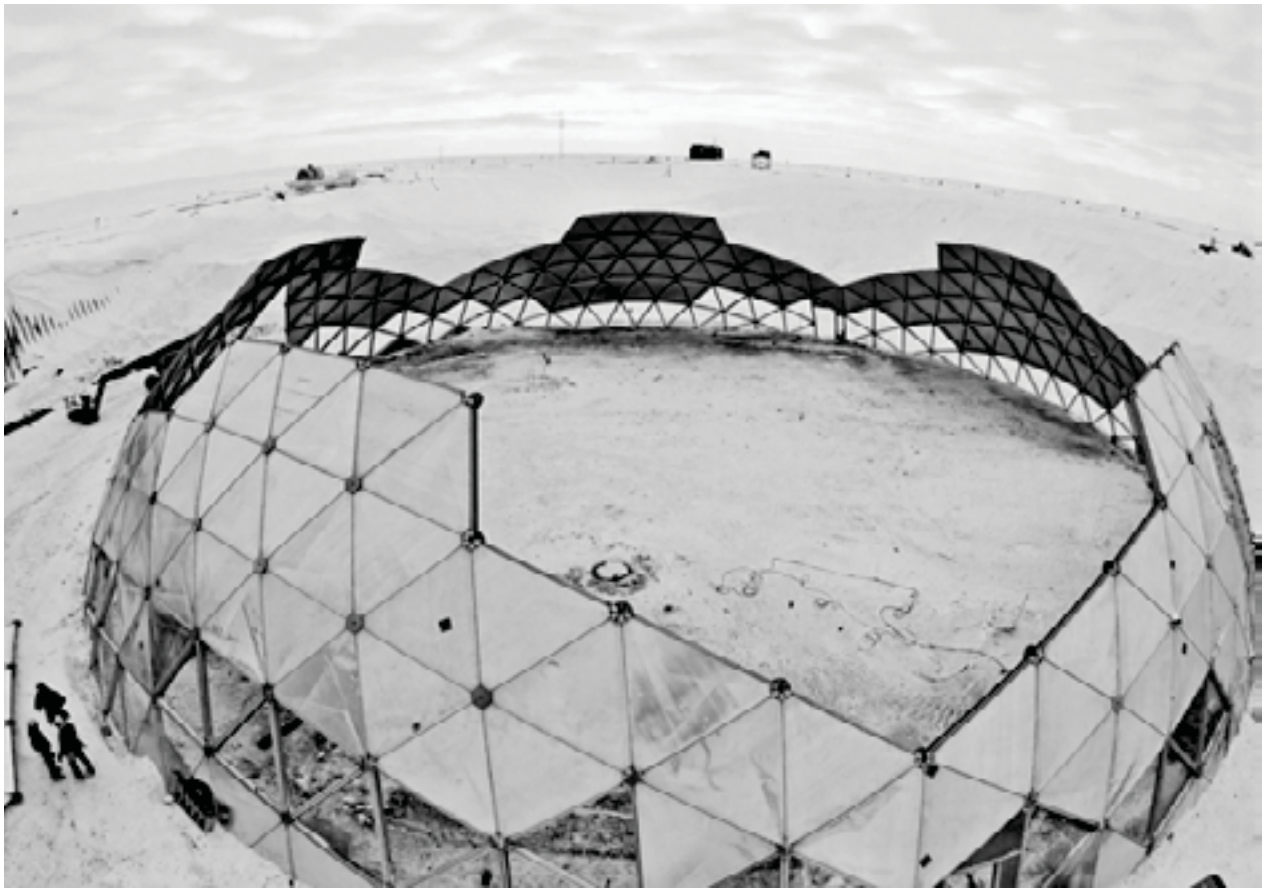
Chase Master
Location: South Pole, Antartica
Description:

- 1957 created
- housed several structures
- no windows
- dissembled 2003
- 164’ wide
- 52’ high
- steel frame
- on stilts that could be jacked up to stand out of drifting snow

Amundsen

US Gov

http://wodumedia.com/recent-scenes-from-antarctica/three-us-antarctic-program-participants-stand-under-the-geodesic-dome-at-amundsen-scott-south-pole-station-shortly-before-the-dome-was-dismantled-to-be-replaced-by-a-more-modern-structure-photo-tak/



http://en.wikipedia.org/wiki/Antarctica_Geodesic_Dome
http://antarcticsun.usap.gov/features/contenthandler.cfm?id=2057

Bucky Dome

Buckminster Fuller

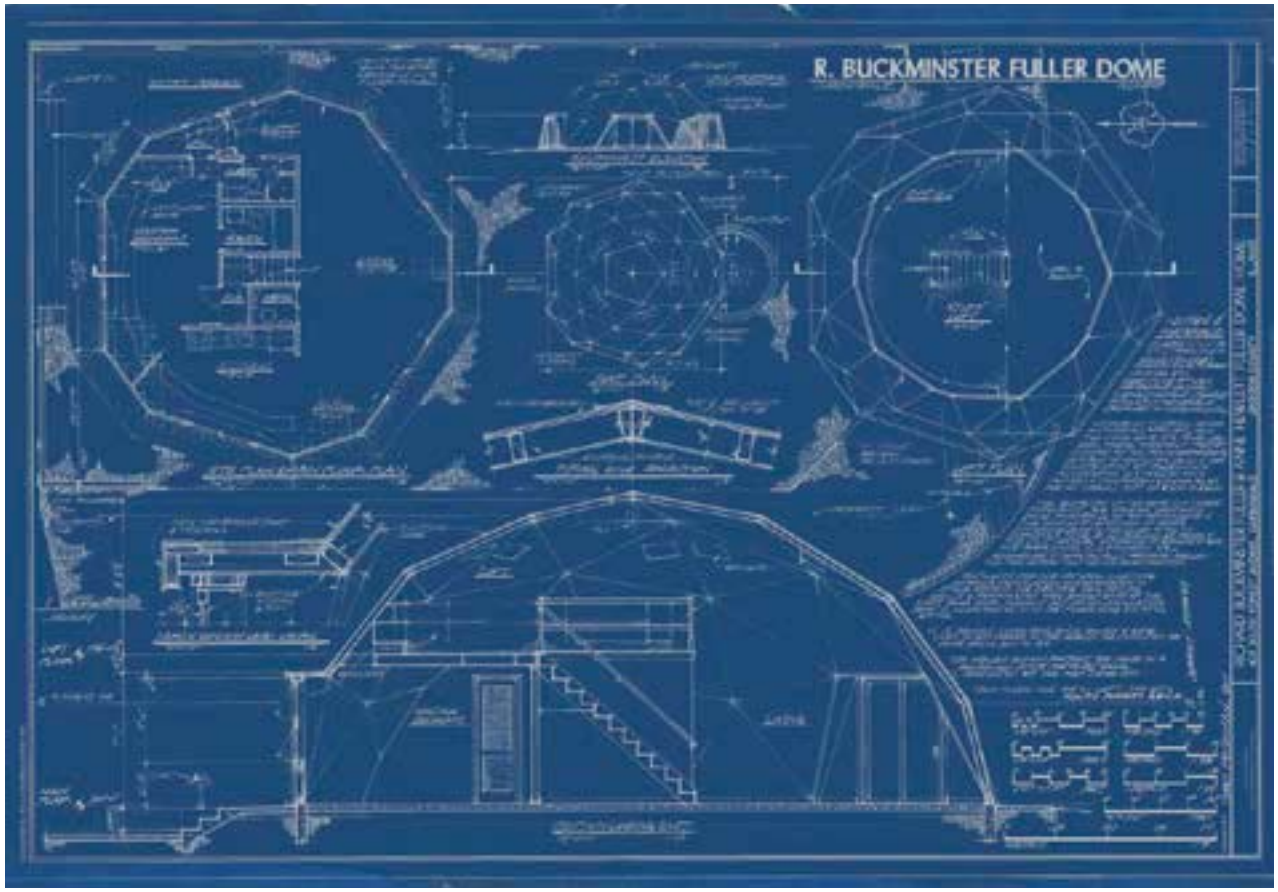
Richard Chase Master

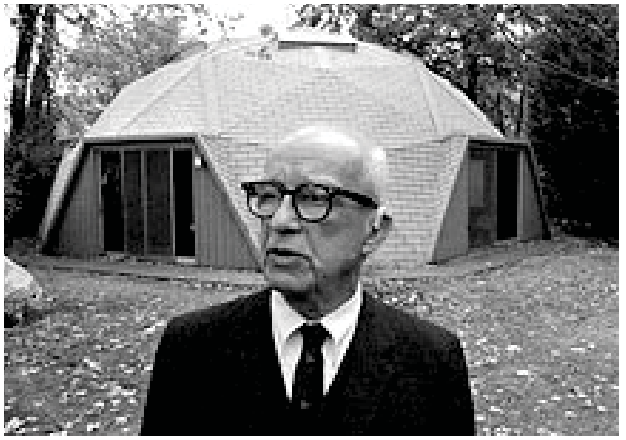
Location: Carbonale, IL

Description:

- buckminster fuller's house
- 1960's
- Dome kit

http://en.wikipedia.org/wiki/R._Buckminster_and_Anne_Hewlett_Fuller_Dome_Home
http://realestate.msn.com/blogs/listedblogpost.aspx?post=7ce36863-eddc-4c95-8696-7313019c5612





http://somethingaboutcain.tumblr.com/post/26417704395/crookedindifference-buckminster-fuller-dome
http://domeincorporated.weebly.com/buckminster-fullers-dome-home-carbondale-il.html

Barn House

Dayempur Farm

Ryan Northcutt
Anna, Illinois
Typical timber frame barn house using mortise and tenon joinery. Poplar timber and cedar siding was used to construct the sustainable barn house located on the farm.

http://newfarm.rodaleinstitute.org/depts/farming-faith/may04/sufi.shtml

photo citations (if not used please DELETE)

Dogtrot Cabin

Owner

Ryan Northcutt

South and Midwest United States

Dogtrot Cabins for their regional designs and cabin structures to demonstrate joinery in vernacular architecture

http://www.encyclopediaofalabama.org/face/Multimedia.jsp?id=m-7148

http://www.penhook.org/cotton.htm

Ryan Northcutt
North German Plains, Germany
Typical German barn with joinery conditions.

Fachhallenhause

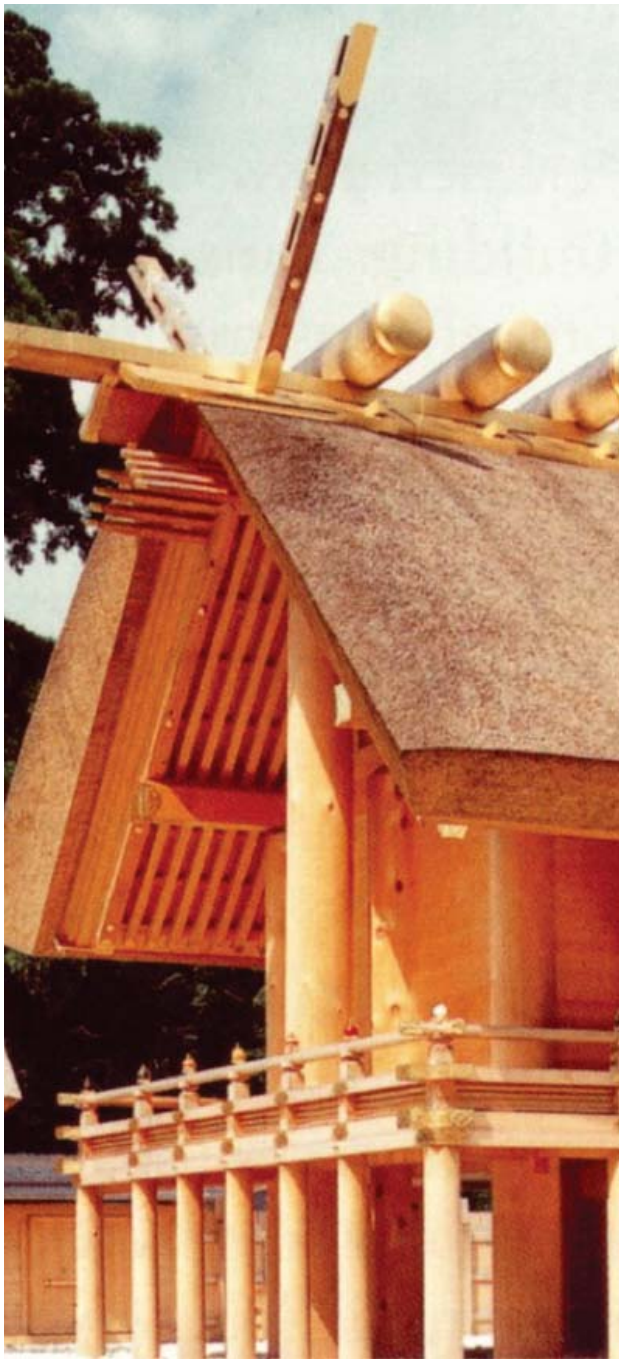
none

Michael Schimek, Architectural Historian at Cloppenburg Open Air Museum

Ise Jingu Grand Shrine

Architect

Ryan Northcutt
Ise, Japan
Grand shrine of the Ise Jingu grounds. The shrine is rebuild in an adjacent lot every 20 years using Japanese Cypress trees from the local forest. The temples construction has been preserved for over 1,000 years.



(top & bottom) http://detail-online.com/inspiration/technology-the-workshops-at-the-grand-shrine-of-ise-106461.html
(right) http://www.studyblue.com/notes/note/n/history-of-arch/deck/4853886

Woods of Net

Tezuka Architects

Ryan Northcutt
Hakone-Town, Japan
Sculpture peice apart of an open air museum. The structure contains about 600 glullam beams all attached using traditional joinery.

http://www.archdaily.com/39223/woods-of-net-tezuka-architects/

Atlanta Bed and Breakfast

Peter Bahouth

Don Olsen

Location: Atlanta, Georgia

• Built in 2002
• Supported by a series of what appear to be Pine Trees.
• Stands about 10’-0” in the air.
• designed in a series of two connected buildings.
• Serves as a hotel.
• Features multiple structures one bedroom and one living room.
• Built out of reclaimed wood and other recycled materials.
• The three spaces associated with this project are called Mind, Body, and Spirit.
• Accesible by 7-8 step stairs.

Description

Photo Credit: Jane Field-Lewis









http://www.thehomebuildernetwork.co/house-hunting/unusual-homes/magic-treehouse-in-the-city/
http://www.airbnb.com/rooms/1415908

Colorado Treehouse

Missy Brown Design

Don Olsen

Location: Vail, Colorado

- Built in 2005
- Supported by one Douglas Fir.
- Added support by knee braces made from fallen Pine trees.
- Rustic Log Cabin style.
- Amenites include: Small living room with office, kitchenette, and rooftop patio.
- Inspiration was cozy place to have lunch and visitors.

Photo Credit: http://www.usualhouse.com/catalog/tag/david-patterson-photography

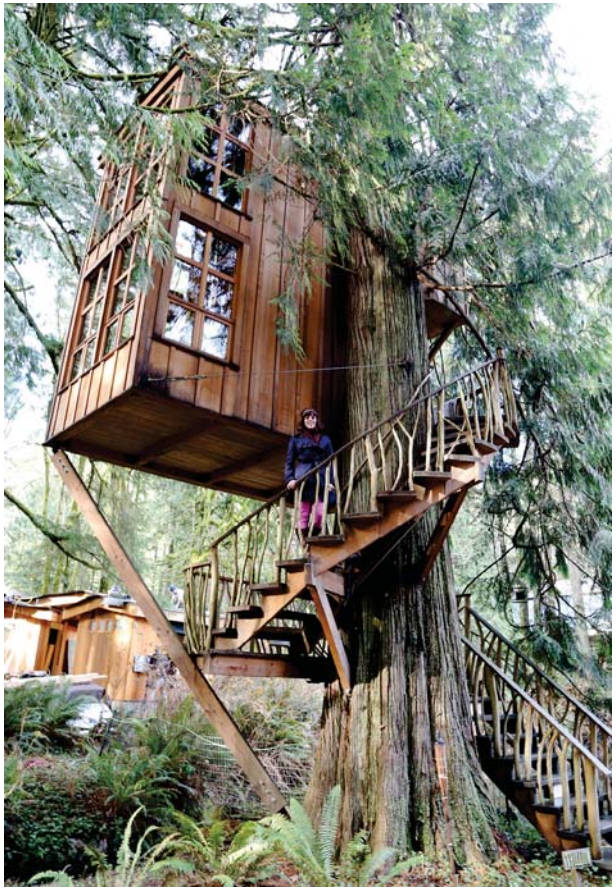
http://missybrowndesign.com/index.html
http://www.usualhouse.com/catalog/company/missy-brown-design/

Trillium Treehouse
Pete Nelson

Don Olsen

Location: Fall City, Washington
- Built in 2007
- Supported by one tremendous Red Cedar Tree.
- Stand about 16’-0”feet in the air.
- Named after a brilliant white Lilly like flower that grows annually at it’s base.
- Was started as a tree house workshop project by the Northwest Treehouse School.
- Accessible by winding staircase.
- Amenites include: Writing desk, sitting area, and queen size bed loft.
- Loft is accessed by interior ships ladder.
- Designed to be a comntemporary retreat.

Photo Credit: Melinda DiOrio



http://lisettewoltermckinley.com/lisettewoltermckinley/2013/12/3/treehouse-point
Nelson, P. (2009). Going to School. New treehouses of the world (). New York: Abrams.

Baumhaus Djuren

Baumraum

Don Olsen

Location: Bremen, Germany

- Built in 2010
- Built using sheet Zinc for the roof and red bamboo.
- Was donated to The Chestnut Tree House Children's Hospice after the exhibit.
- Fully Supported by stainless steel piers.
- Platform consists of multiple levels and ladder.
- All structure is leaning on one large Oak tree for support.
- Amenites include: multiple decks and small resting room.
- All interior benches and windows keeps with exterior egg shape.
- Designed to an egg shape to evoke to represent a nest for the family.

Photo Credit: Alasdair Jardine

http://www.busyboo.com/2011/11/23/treehouse-design-djuren/
http://www.baumraum.de/articles/35/baumhaus-djuren/

Don Olsen

Location: Harads, Sweden
• Built in 2008
• Close to the Artic Circle
• 12’X 12’X 12’ Cube
• Mirrored Glass
• Ultraviolet Color laminated into glass to aid visiblity to birds
• Interior all Plywood
• Accessible by way of a rope foot bridge attached to two adjacent trees.
• Is held up by one Pine tree.
• Is also achored at base of tree with cables.
• Is designed as a play on mans need to use high tech materials while exploring remote locations.
• Amenities include: A full size bed, small toilet,

Mirror Cube

Tham & Videgard Architects

http://www.tvark.se/treehotel/
http://treehotel.se/mirrorcube

Yellow Treehouse Restaurant

Pacific Environments Architects - Peter Eising and Lucy Gauntlett

Don Olsen

Location: Auckland, New Zealand

- Built in 2009
- Supported by one Redwood Tree.
- Stand about 30’-0”feet in the air.
- Served as a Restaurant for two years and is now a rentable space for events and weddings.
- Seats 18 people or 50 standing.
- Named after the New Zealand Yellow Pages, who used it promotionally for two years.
- Features arcylic paneled roof for rain cover.
- Part of design was to allow maximum light while still feeling enclosed.
- Accessible by winding elevated 180 foot long path.
- Amenites include: an amazing view.
- Designed to be a whimsical play on childhood.

Photo Credit: Lucy Gauntlett

http://www.pacificenvironments.co.nz/newsarticles/index_dynamic/containerNameToReplace=Middle/focusModuleID=3698/overideSkinName=newsArticle-full.tpl
http://www.yellowtreehouse.co.nz/

Berlin Wall Watchtowers

Nicholas S. Ouellette

Berlin, Germany

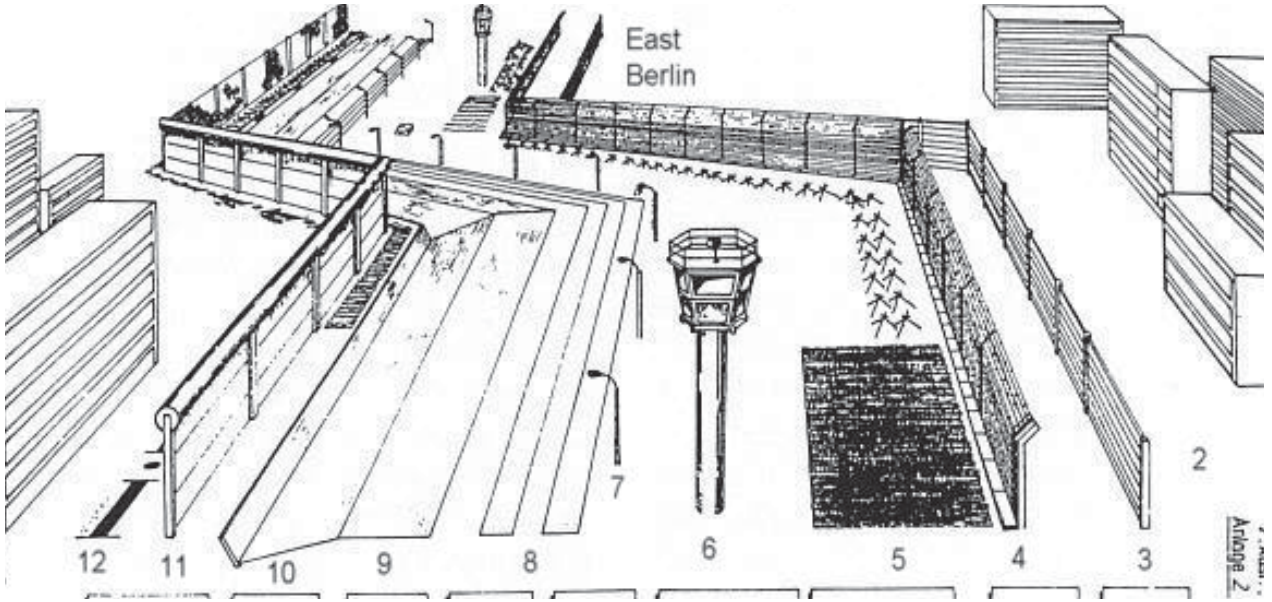
Notes:

-Originally stood between the Brandenburg Gate and the Leipziger Platz from 1966-2001

-Moved to new location near Stresemannstrabe on Potsdamer Platz

-Only surviving watchtower of its kind of the original 200 that lined the Berlin Wall

http://www.lilano.de/catalog/heiko-burkhardt-m-10.html?sort=2d
http://www.dailysoft.com/berlinwall/history/facts_03.htm



http://www.journeytoberlin.com/content/all-along-the-watchtower-erna-berger-strasse
http://fototype.wordpress.com/2013/05/22/berlin-wall-watchtower/

Old San Juan City Wall Watchtowers

Nicholas S. Ouellette

Old San Juan, Puerto Rico

Notes:

-Watchtowers located along the city wall that surrounds the island

-Served as an important entrance into the Spanish Main and was bombarded by both British and Dutch forces

-Has many fortifications located along the perimeter including the Fort San Felipe del Morro and El Palacio de Santa Catalina

-Most of the city's architecture has been kept intact and now serves as a popular tourist spot

http://www.globotreks.com/destinations/puerto-rico/el-morro-fort-old-san-juan/
http://images.boomsbeat.com/data/images/full/48465/18-jpg.jpg

http://worldtravels.markwdanielson.com/sanjuanpr.html
http://www.fastlanemag.com/visit-san-juan-puerto-rico

Seljord Sea Serpent Watchtower

Nicholas Ouellette

Seljord, Norway

Notes:

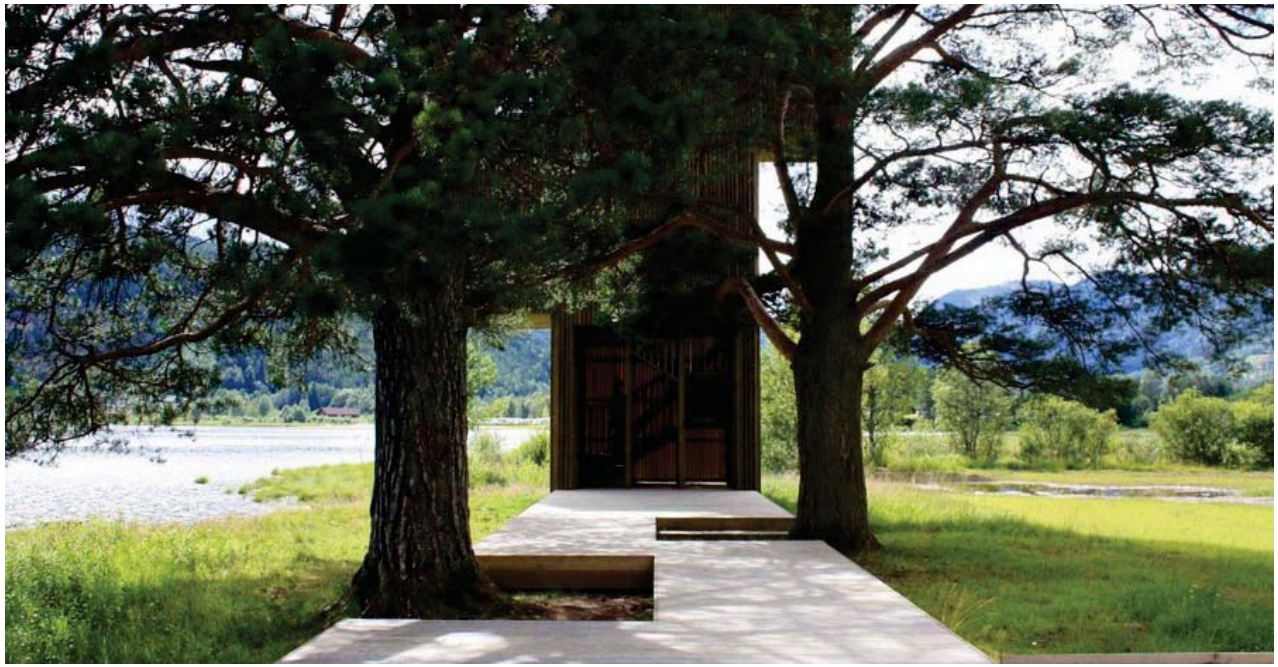
-Designed for tourists to be able to view the lake from different spots at important locations

-Development started because of local myth of serpent in the lake

-The two large trees provide an ‘anchor’ for the building with the tower at one end and a small shelter for visitors at the other

-The tower has two smaller spots to view the surrounding spaces, one being a bird nesting area and the other is facing the tree line

http://www.e-architect.co.uk/images/jpgs/norway/seljord-watchtower-m310113-de1.jpg
http://www.e-architect.co.uk/images/jpgs/norway/seljord-watchtower-m310113-d4.jpg



http://www.adventure-journal.com/2014/05/weekend-cabin-monster-watching-tower-seljord-norway/
https://farm8.staticflickr.com/7106/7441929310_d09fee564f.jpg

Rehoboth Beach World War II Watchtowers

Nicholas S. Ouellette

Rehoboth Beach, Delaware, USA

Notes:

-11 towers located along the beach in both Delaware & New Jersey

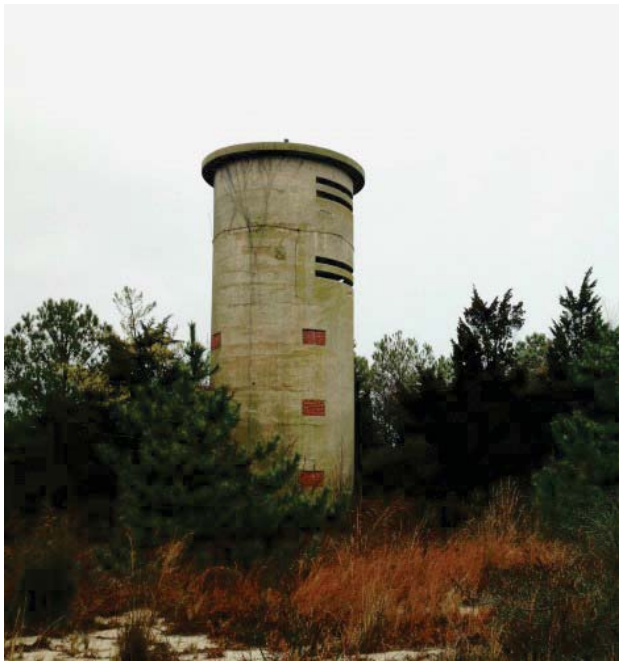
-Towers range in size from 50 feet to 64 feet in height

-Built between the years of 1939 and 1942 for use during WWII

-Used to triangulate large defense guns at the nearby Cape Henlopen

-Soldiers would climb 5 stories of rope ladders to reach the top

http://www.wdde.org/43153-cape-henlopen-state-park-hosts-world-war-ii-reenactment
http://shorebread.com/2013/01/24/the-watch-towers-that-line-the-de-coast-signs-of-world-war-ii/



http://www.aboutmybeaches.com/3292/delawares-world-war-ii-towers-delaware-beaches-south-bethany-dewey-beach-lewes-rehoboth-beach-history-buffs-fort-miles-re-enactment-artillery-demonstrations-102410/
http://www.upi.com/News_Photos/view/upi/222936f024a6aeae6c69ecbba55b0171/World-War-II-era-watch-towers-are-seen-in-Delaware/

Grand Canyon Desert View Watchtower

Mary Colter

Nicholas S. Ouellette

Grand Canyon, Arizona, USA

Notes:

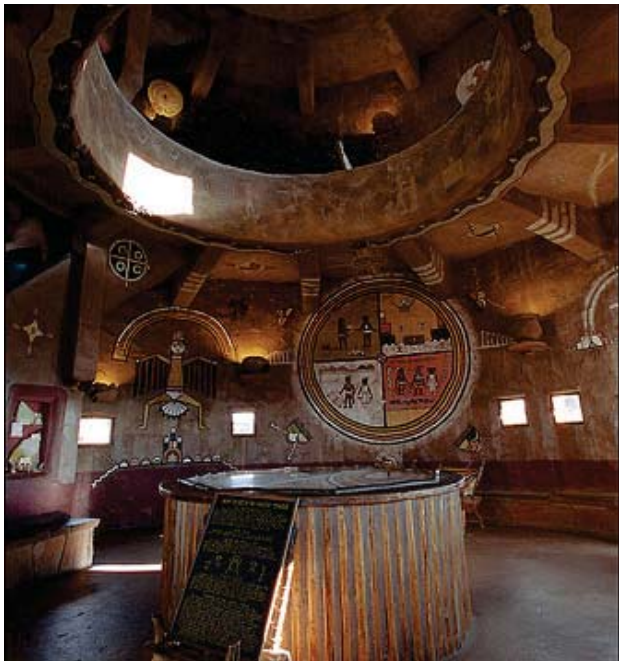
-Constructed in 1932, the tower stands at 70 feet tall, and 30 feet wide at the base

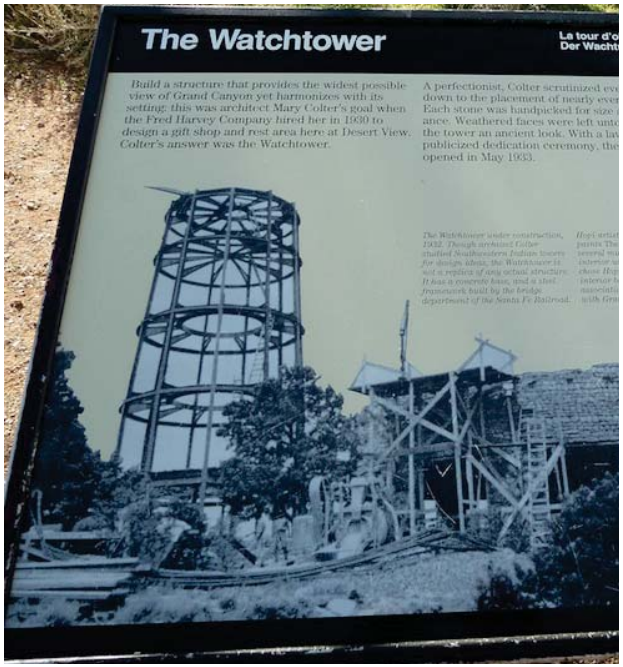
-Designed to become part of the surrounding environment

-Rocks on the exterior would not be cut or worked so that the surfaces would blend in better

-Composed with a central steel structure and the rock were selected and placed one by one where they looked best

http://adamschallau.com/2012/02/watchtower-spirits-grand-canyon/
http://www.flickriver.com/photos/mshandro/2177685652/





http://solsticearchitecture.wordpress.com/2012/01/10/living-architecture-the-watchtower-desert-view-grand-canyon/
http://four-bitroom.blogspot.com/2011/05/april-15-16-sunset-crater-grand-canyon.html

Lewis and Clark Confluence Tower

KAI Architects

Nicholas S. Ouellette

Hartford, Illinois

Notes:

-Total tower height is approx 180’

-Pier locations at 50, 100, and 150 feet above the ground

-Located at confluence of both the Missouri and Mississippi Rivers where Lewis and Clark began their journey to the west

-Funded and built between 2002-2010, opened on May 14, 2010

-Constructed of pre-cast concrete panels and steel reinforcing bars

http://media.connectingstlouis.com/500/lewis-and-clark-confluence-tower-10.jpg
http://www.confluencetower.com/images/tower3.jpg

http://i.vimeocdn.com/video/458664040_640.jpg
http://www.kai-db.com/sites/default/files/lc1.jpg