



Mahdi Afkhami Aghda m.afkhami@purdue.edu 405-596-6126

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Architectural Design Final Thesis

Aghda Social - Cultural Complex 2012-2013 Second Semester Advisor: H. Mazaherian Ph.D



Bahare - Shiraz Local Cultural Complex

2012-2013 Second Semester Advisor: H. Mazaherian Ph.D





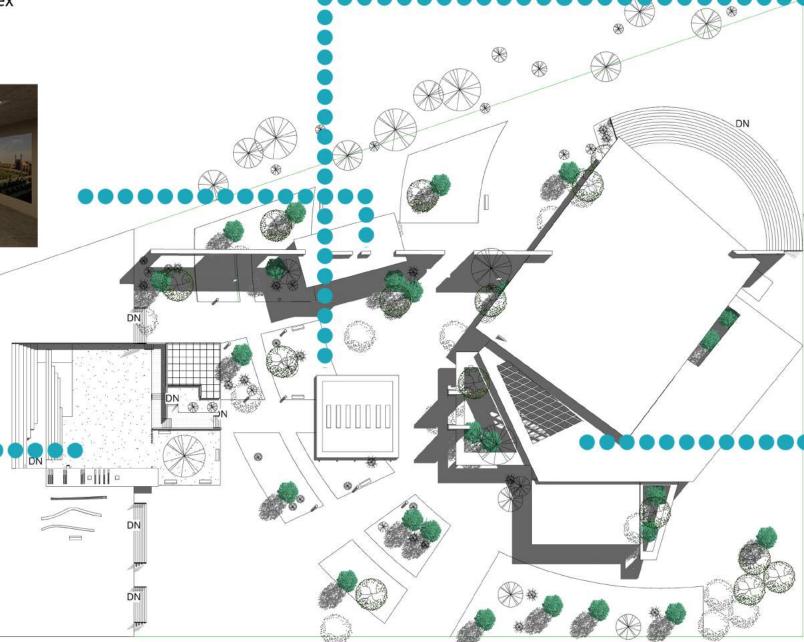
Bahare - Shiraz Local Cultural Complex

2012-2013 Second Semester Advisor: H. Mazaherian Ph.D



The gallery and theater breaks the symmetry of the mass, orienting in a different direction, being the exponent of avam(!) with this cultural complex.







Much of a cultural complex is catogrized not in the building, but in the landscape and the negstive spaces. Water, balances the temperature around ithselfand therefore pools are considered the vital elements in the iranian architecture



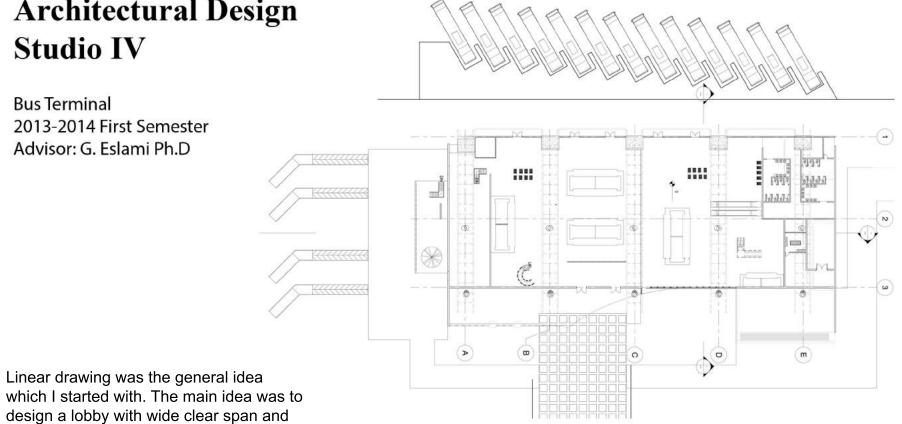


Dance Platform; Using the natural light through the skylines not only reduce the energy usage, but alsofortify the ambiance and function of the space

Bus Terminal 2013-2014 First Semester Advisor: G. Eslami Ph.D



Bus Terminal 2013-2014 First Semester Advisor: G. Eslami Ph.D



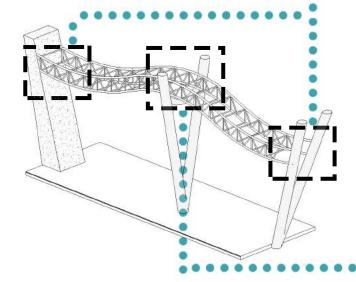
Bus Terminal, located at the border of the city

minumum number of columns. С Ε D

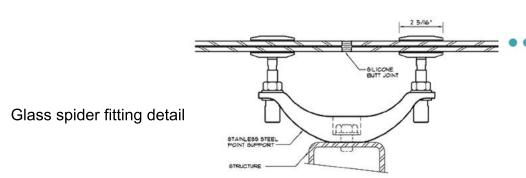


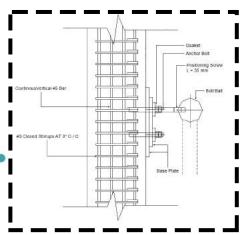
Level 1

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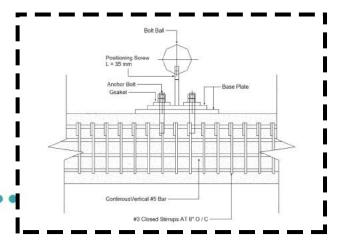


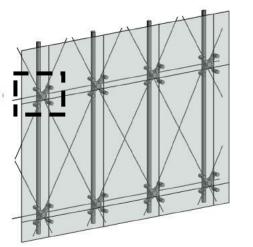
Using Space frame structures in order to cover the large span with the least amount of columns

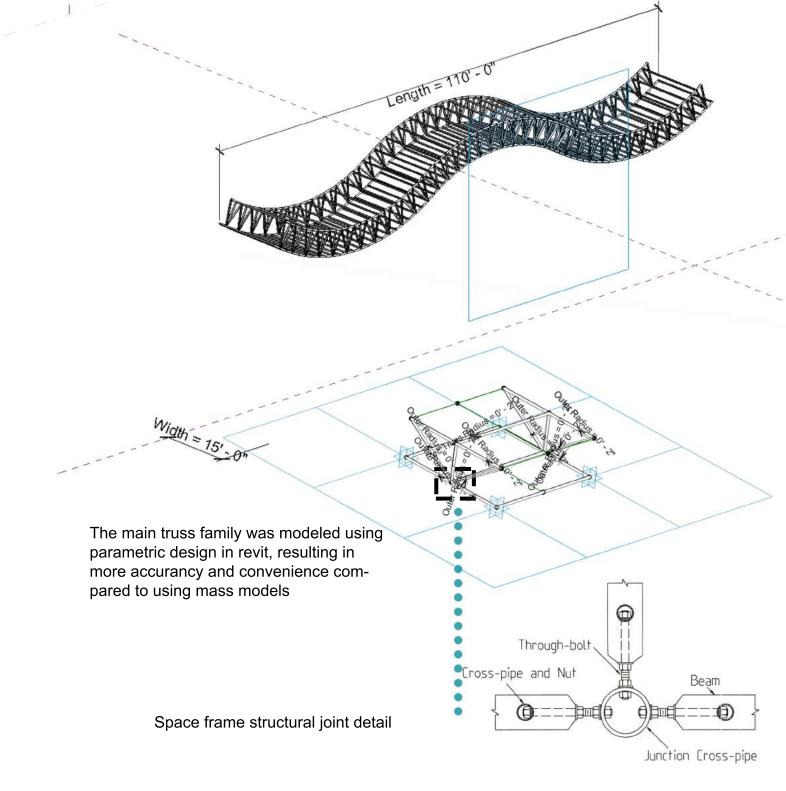




Space frame connection to the concrete column detail





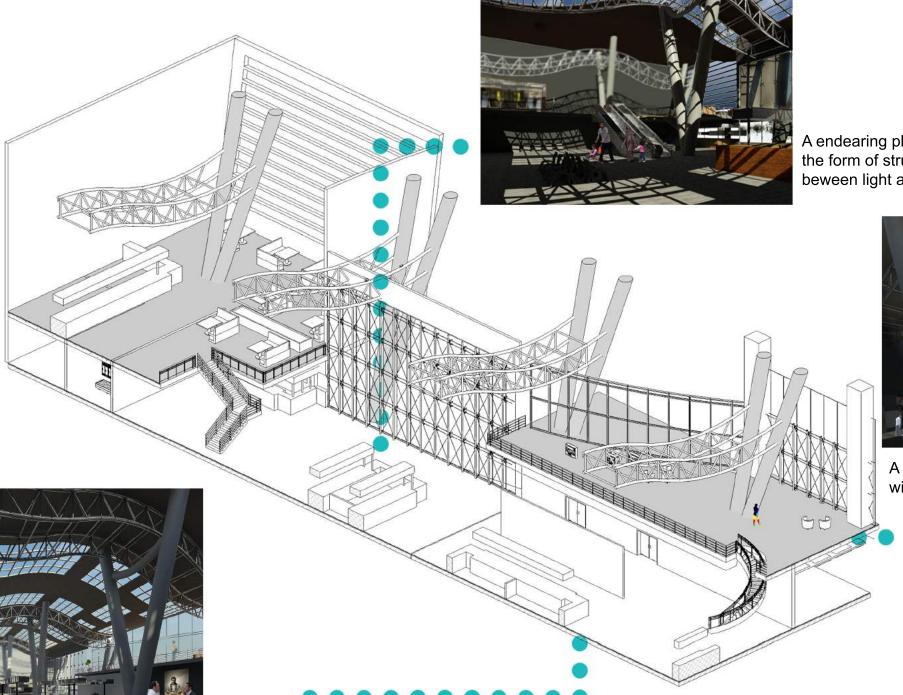


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A mixture of concrete and glass, a transparent, prodigous complec using natural light as a source of its sunlit

Using the natural light from both roof and the walls; an amalgamation of both light and darkness



A endearing place has formed thanks to the form of structure and the contrast beween light and darkness

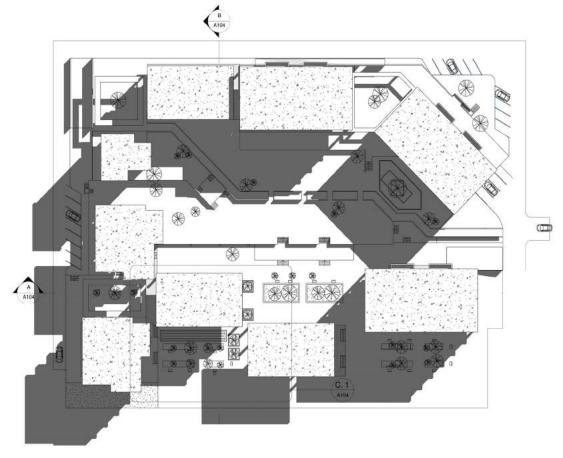


A combination of shadow and natural light will keep the people wholesome

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Zargande Residential Complex 2013-2014 Second Semester Advisor: A. Akrami Ph.D









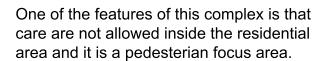


Bedroom Three

Three Bedroom Two Bedroom

One Bedroom







Zargande Residential Complex 2013-2014 Second Semester Advisor: A. Akrami Ph.D



The shafts provided in the parking helps making a wholesome atmosphere by helping circulating the air





One Bedroom



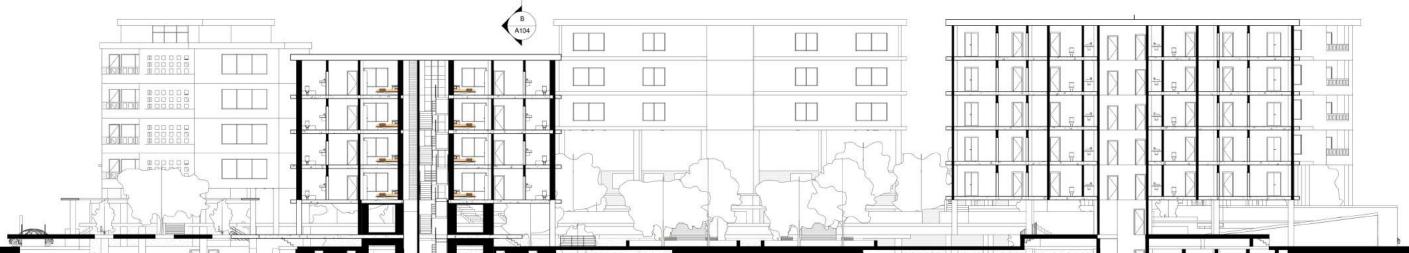
Two Bedroom



Four Bedroom



Three Bedroom



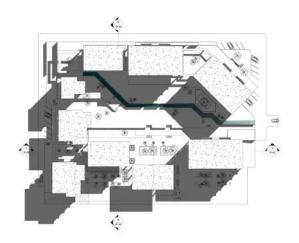
Zargande Residential Complex 2013-2014 Second Semester Advisor: A. Akrami Ph.D



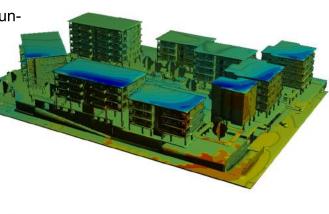
An hospitable environment for people to meet and interact



River, as a natural phenomenon and a symbol of ebullience; where all the units are form about it

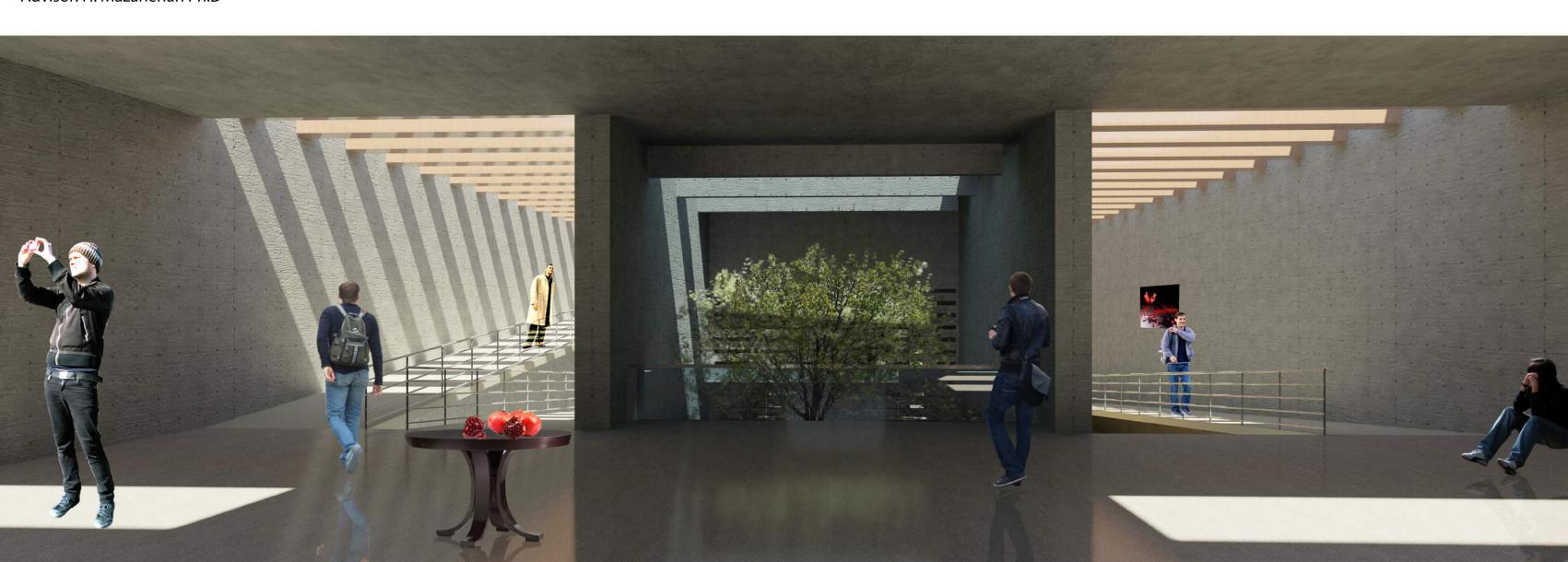


The buildings are designed according to the windrose and sun path of the site in order to maximize the natural ventilation and use of sunlight



6.00 m

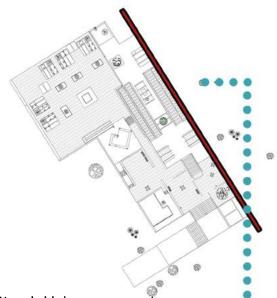
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Using Natural light and minimizing artificial lighting is considered as one of the main ideas- coffee shop's lighting ISO counter

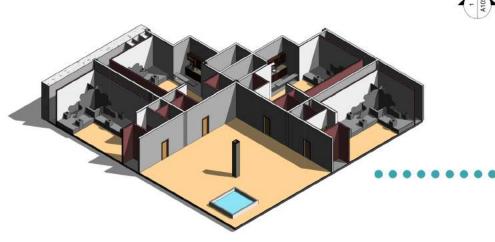


Step I: Using an accrete mass as the main frame and the sheild from sandstorm

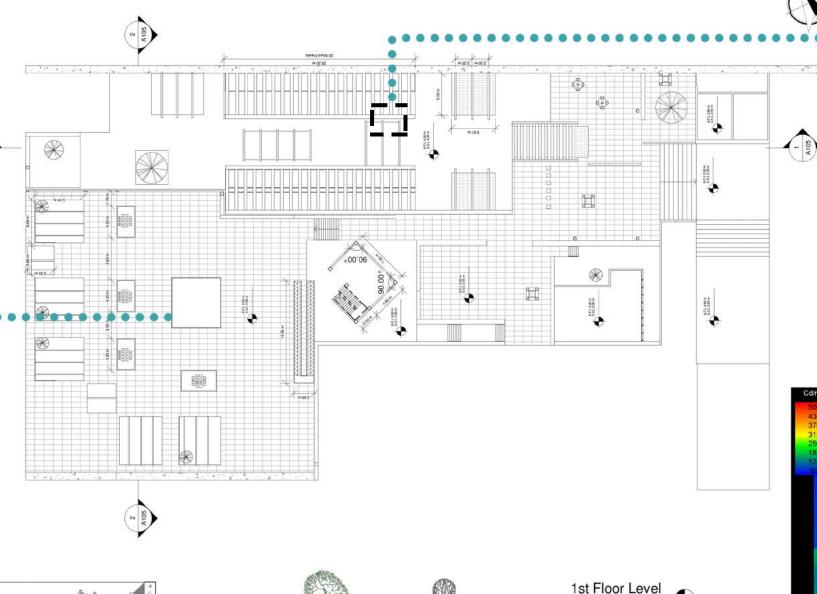


Step II: Having perpendicular and linear design propotionate to the vernacular architecture of the region

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A 3D section of the rooms provided in this place this rooms are provided mainly for the tourists who has traveled to desert in order to do astronomy to which they spend several days wandering around places

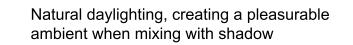


Ground Floor

1st Basement Floor

0.00 m

-2.50 m



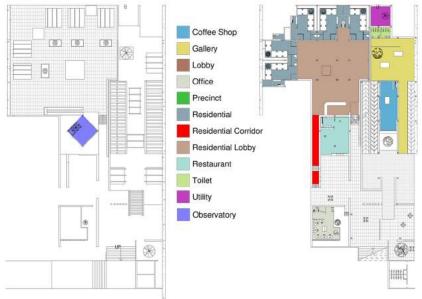
Rigid Insulation — Waterproof Membrane

Structural Slab

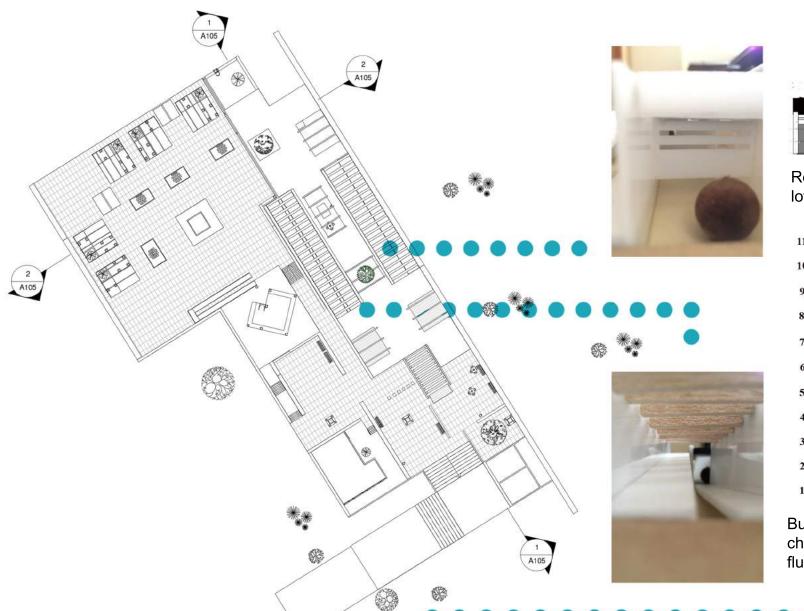
#3 Closed Stirrups AT 8" O / C ---

Wood Panel -

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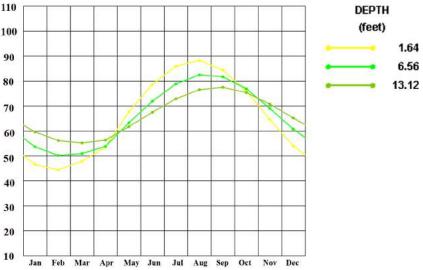


The core concept of this complex was to use the ground temperature, which is stable through the year, as a shield for the building in order to save the building from unnecessary heating and cooling

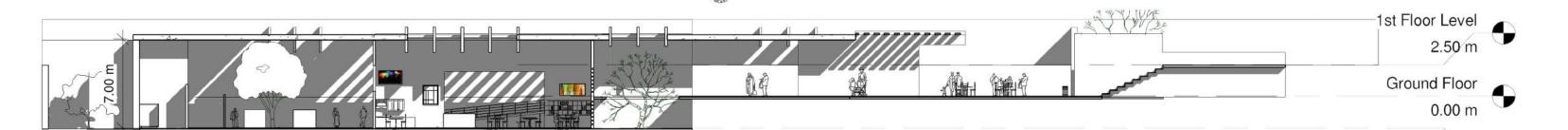




Respecting the city and it's modest skyline by building in the low level



Building the structure in the ground (8ft) where the temperature change through the year is minute. This is in contrast to the fluctuating temperature on the surface due to lack of water



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The mixture of wood and concrete has made a pleasent ambiance in this complex

The Gallery, located in the basemnt which is accessible with ramps and is lighted with natural light



