



The way in which this thesis was developed is one of the focus points of this presentation.

HOW CAN

It is sociologically meaningful for traditions that are inherent in culture to be analyzed and put forth as advantageous methods for new buildings.

vernacular building traditions

The architectural process of trial and error & investigating through making was primordial for the development of architecture as field and this thesis emulates such process.

and architectural processes

in Southern Brazil

The site, located on a beach and with seasonal economy and inhabitants, brings inspiration as well as the problem of building methods which do not suit the climate of the region.

be utilized as basis

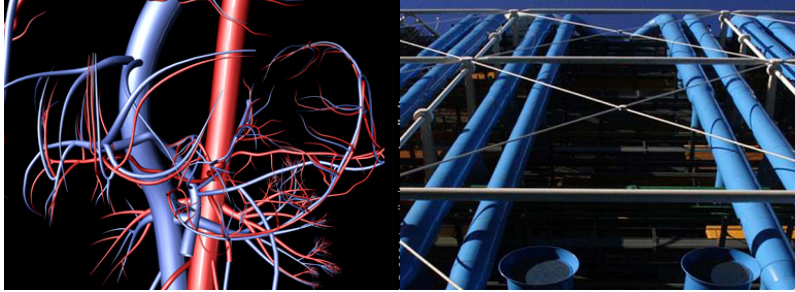
To utilize methods that have been deemed as successful by early builders as groundwork can be both sustainable and meaningful.

for an improved method of construction?

There is a need for a different method in the overall region of the site, a need for the local vernacular to be recognized as fundamental, and a need for architecture to adapt once more.







Vasari on *disegno* –

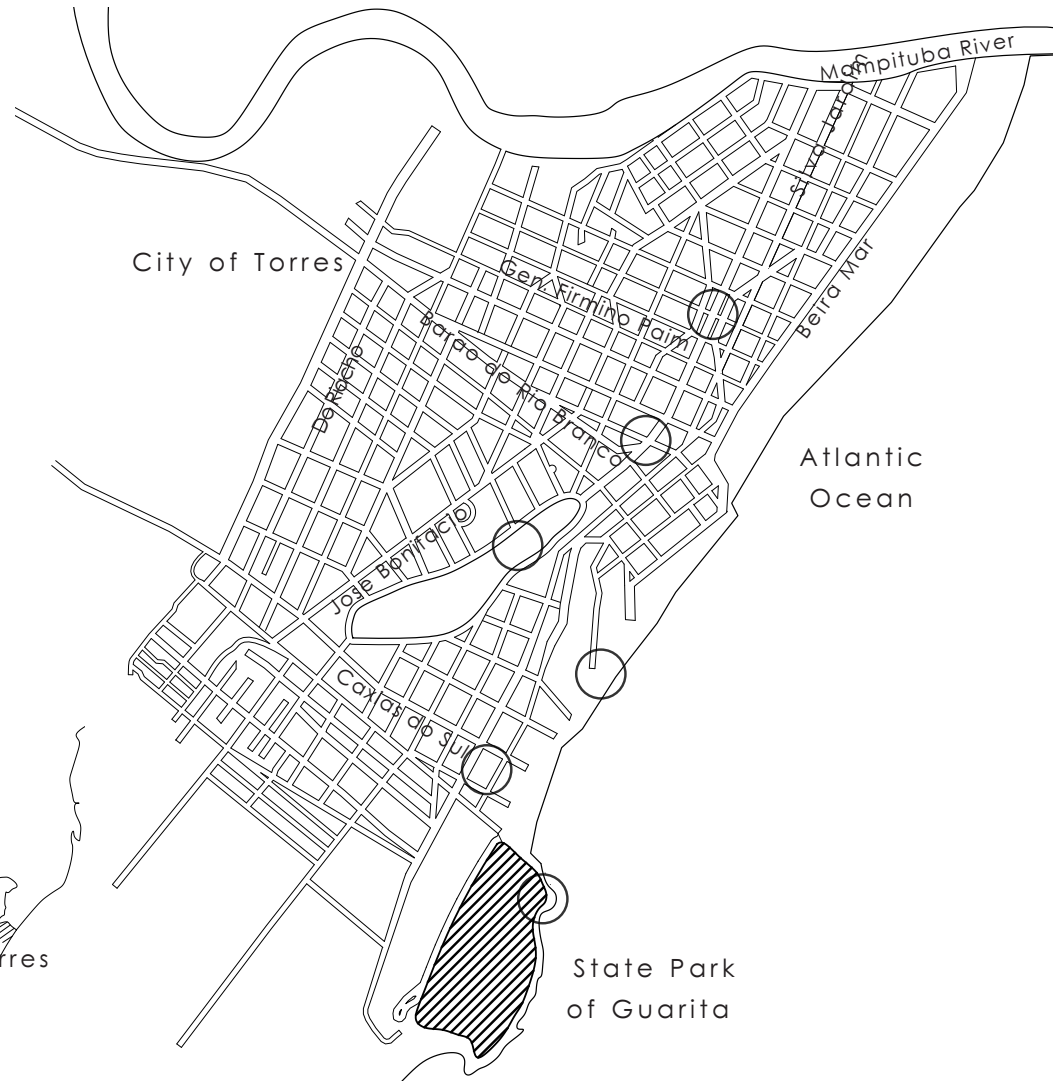
“the hand which has practiced for many years exhibits the perfection and excellence of the arts as well as the knowledge of the artist”

(Walker, 2009)

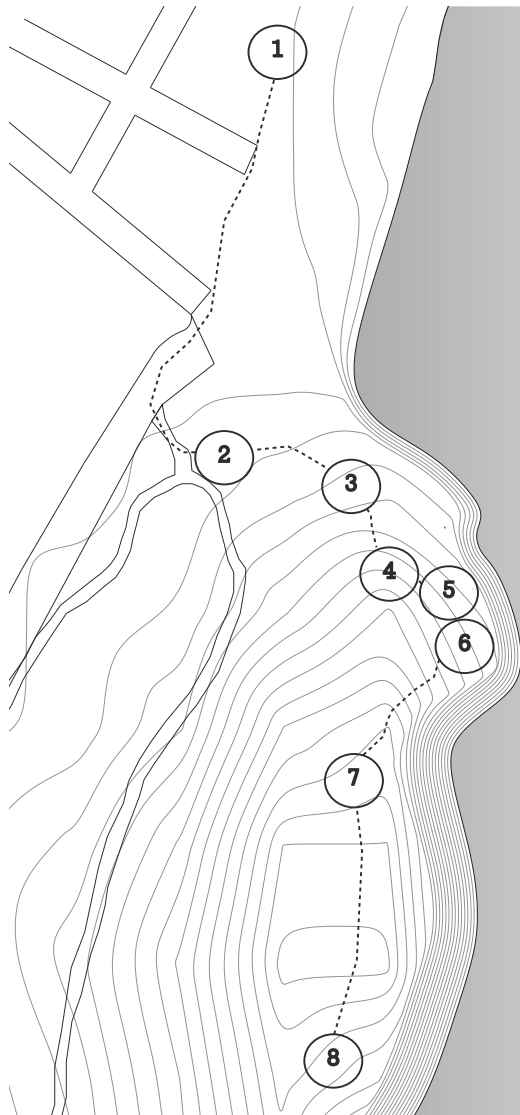


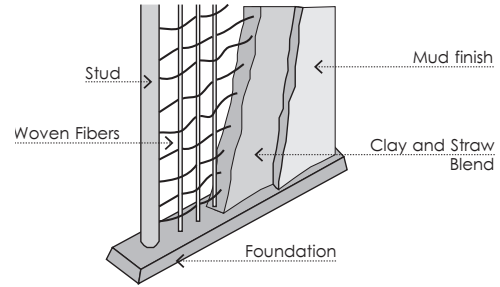




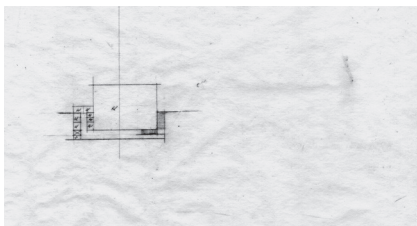
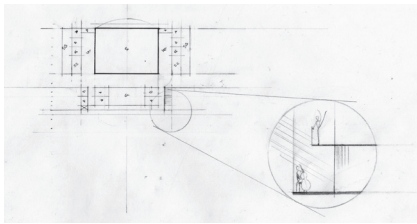
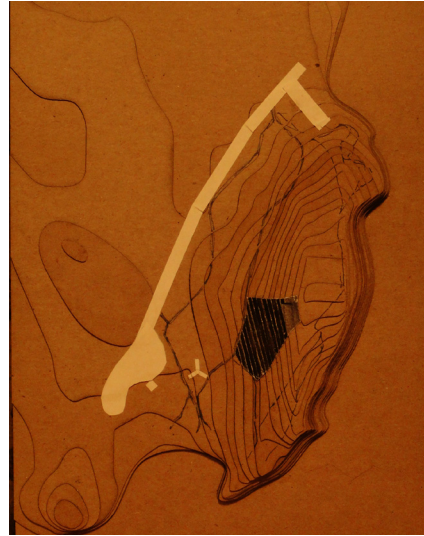
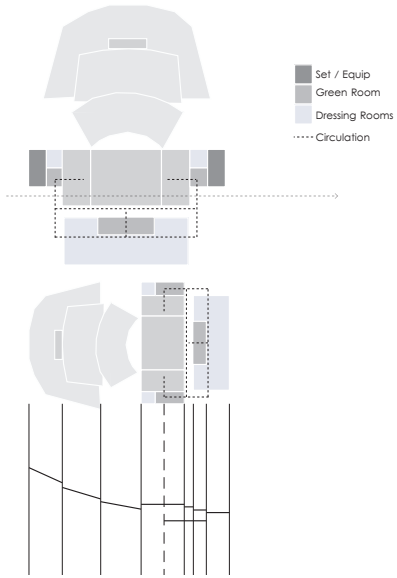


Fluctuating summer population: 200,000 inhabitants
Permanent population: 33,680 inhabitants
(<http://www.torres.rs.gov.br/perfil>)

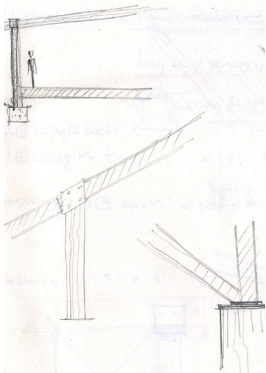




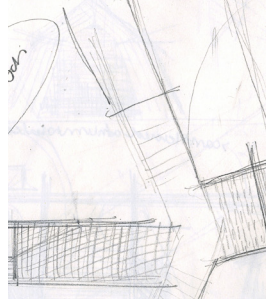
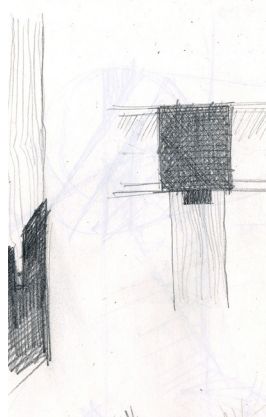
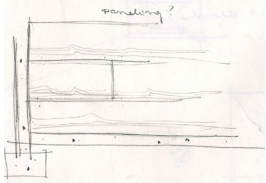




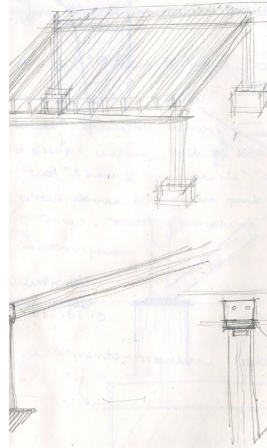
heavy steel + wood?



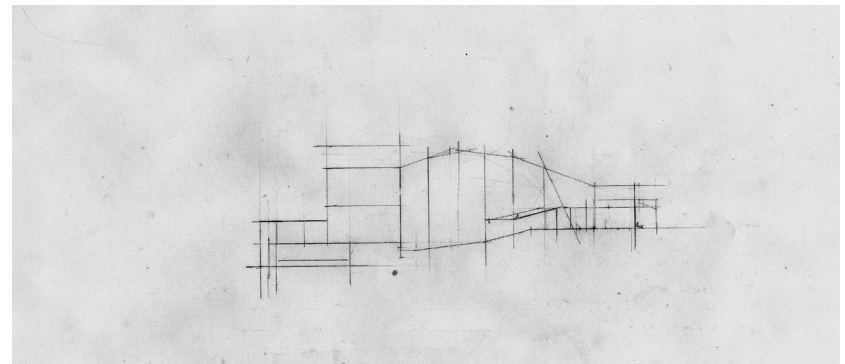
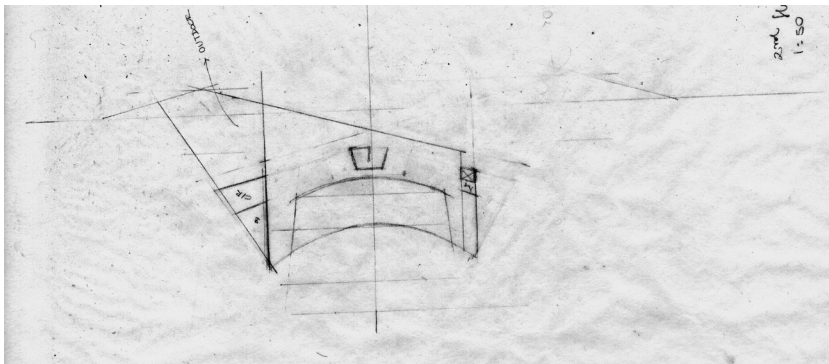
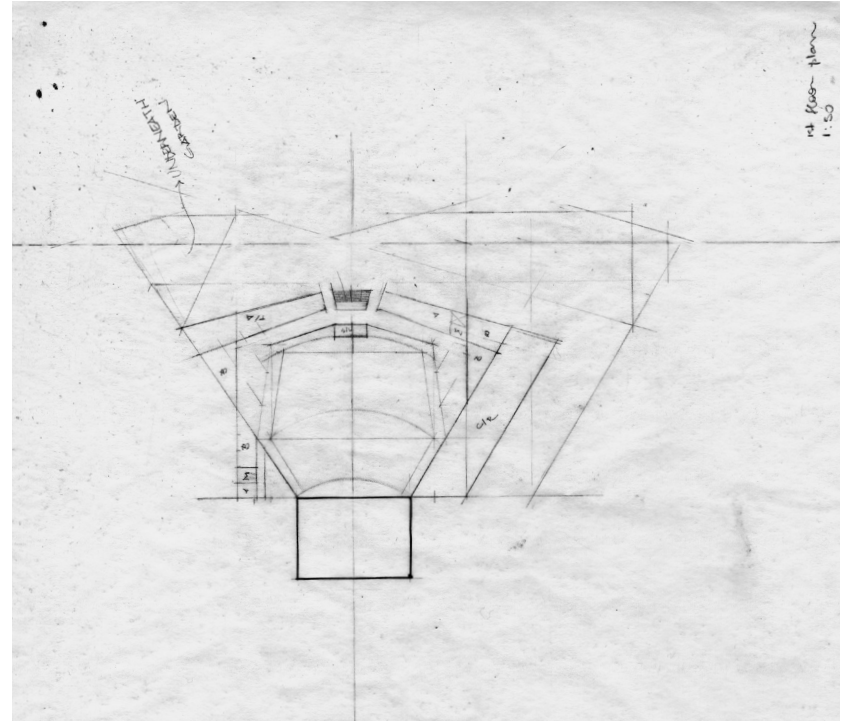
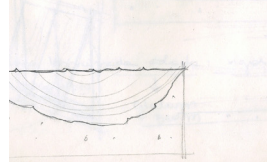
reinforced concrete + wood?



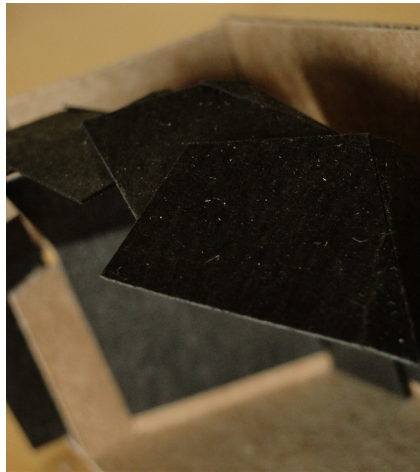
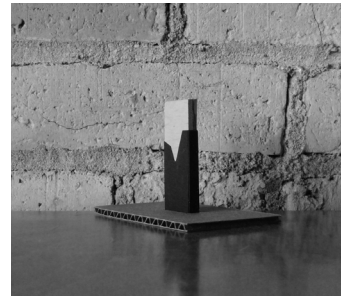
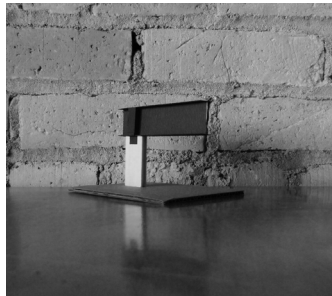
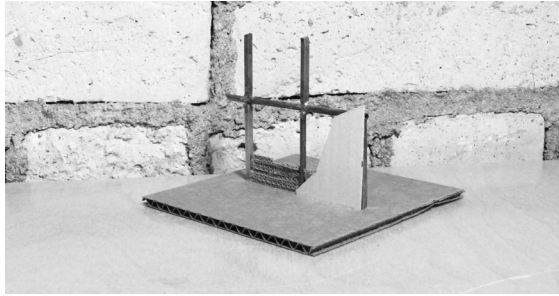
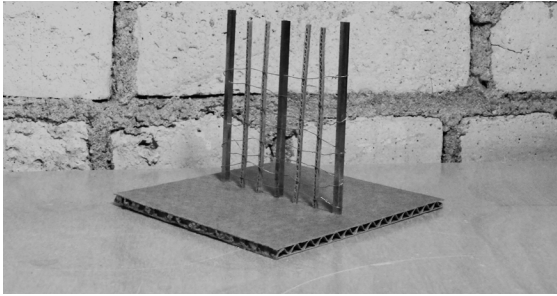
light steel + wood?

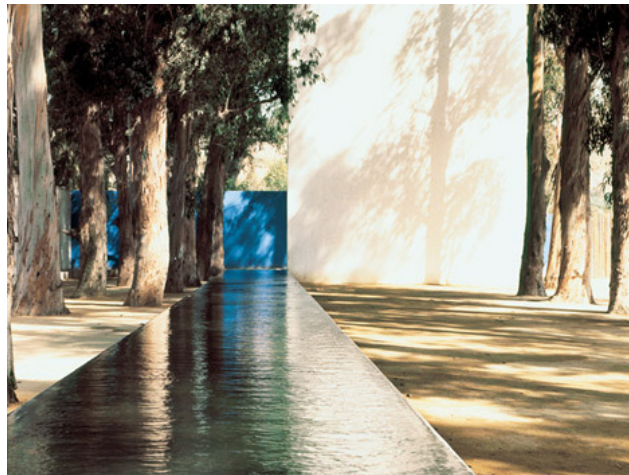
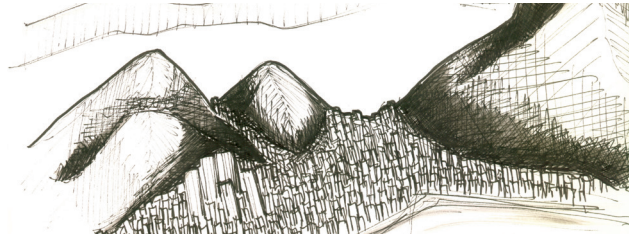
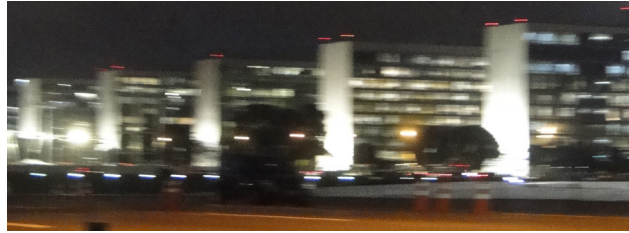


reinforced concrete + wood?









“how to become modern & to return
to sources; how to revive an old,
dormant civilization & take part
in universal civilization”

(Frampton, 2007)

0210010
wall section sketch

IP = $(16.2)(1.7)$
↓
area
21.94
SI = $(1.7)(1.7)$
↓
area
2.89

AWC + BRICK + AIR SPACE +
EXP. POLYURETHANE + BRICK
AWC

Recommended Wall Rv:
IP = 16.2
SI = 1.7
14 = 2.4

Material	Thickness	R value	Thickness	Area (IP - SI)
(2x) Brick	4"	0.5	0.09	
Air Space	2 1/2"	0.4	0.58	
(1 1/2") Exp. Polyurethane	3mm - 100mm	?	0.55 - 0.96	
(2x) AWC	1/2"	0.5	0.09	
				1.9

0210110
WALL: EXTERIOR LOADS

EXAMPLE: FIN. MATERIALS FOR DESIGN, V.B. WALL (1mm wall)

Thickness - IP - SI

(normal weight) outer concrete layer	8"	1.9	0.24
Rigid foam insulation (150#)	x	1.3	
inner concrete layer	8"	1.9	0.24
(total)			1.76

Loadbearing

Material	Thickness	R value	Thickness	Area (IP - SI)
wall board (1 1/2")	1/2"	0.5	0.09	
Rigid foam insulation	x	1.3		
brick and mortar structural	4"	0.5	0.09	
air space (2 1/2" x 5.275")	3/4"	0.4	0.58	
concrete wall	8"	1.9	0.24	
(total)				2.67

Insulation wall detail fig. 6A

Insulation detail with brick insulation (fig. 6A)

0210110

outside

to exterior

IP = 16.2
SI = 1.7

14
2.4

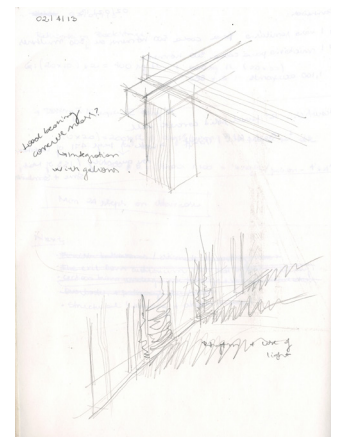
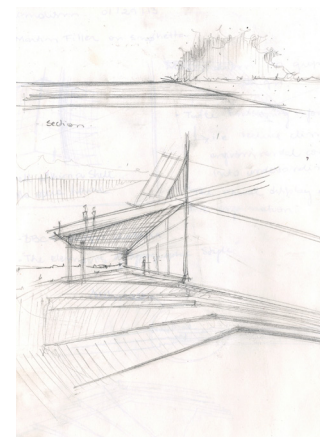
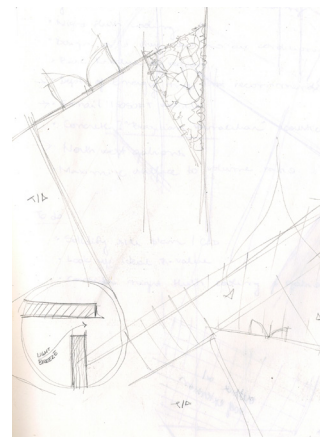
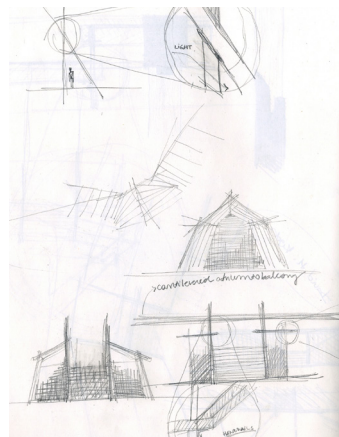
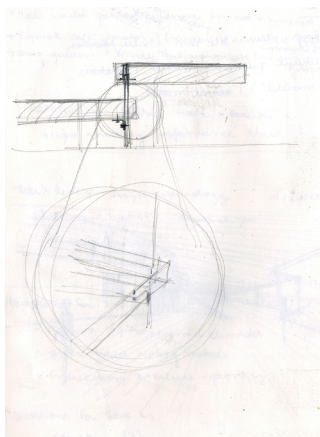
IP = 5 10.5
SI = 0.9 1.5 0.09 = 13.8
0.6 0.21 = 2.3

→ HVAC diagram

→ Wall sections w/ materials established

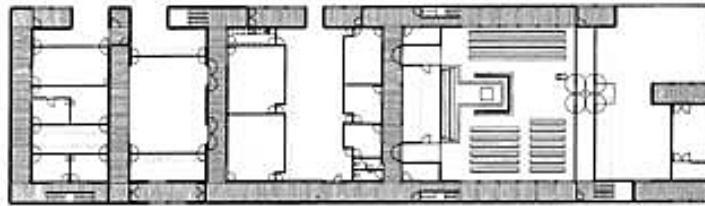
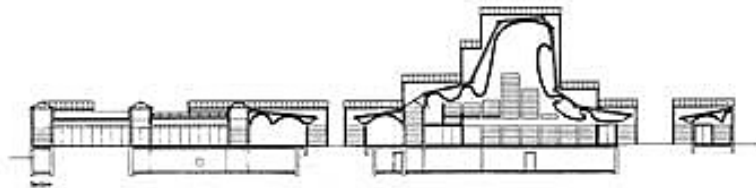
→ Detail the horizontal

How does the concrete affect the wood?



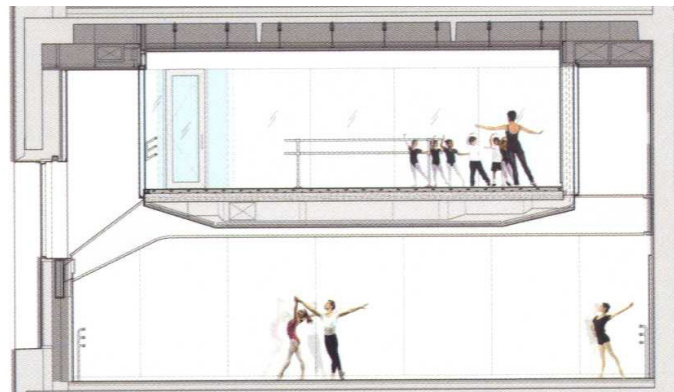
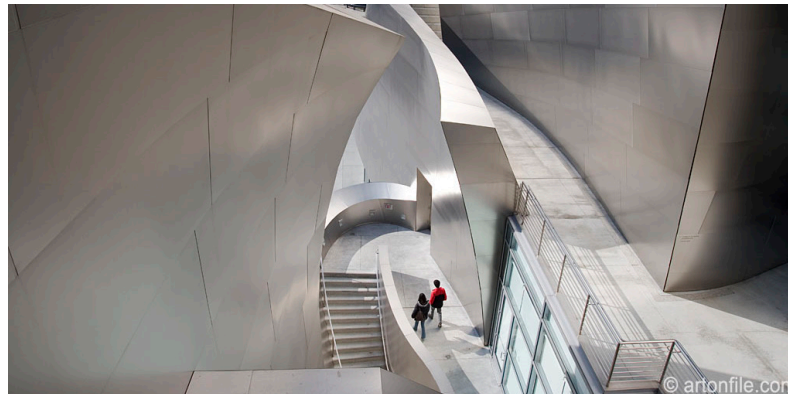
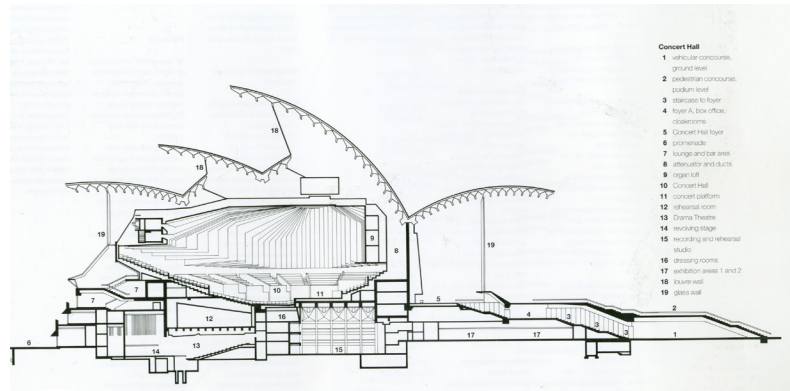
Frampton's Critical Regionalism by all means does not
to argue vernacular, although to me it resonated as
my own definition, or characteristics, of vernacular & what it
truly is or could/should be. Harris, cited by Frampton,
his interesting points: he argues that there are two region-
isms; one of restriction and one of liberation. As I read or
read this, it resonated with me that, what we currently
understand as vernacular, is the regionalism of restriction
that vernacular is taken as stagnant, frozen in time. A
unit continues & says that a regionalism of liberation
manifests a region in time with the time's thoughts
that this region must be "more than ordinarily ~~and~~
more than ordinarily free." That way of seeing,
as Frampton poses in the end, architecture that is
ground consciously by time & place, made me wonder
not being more than ordinarily ^{both} aware & free, was the
only way the duality I saw in the "vernacular" could
be brought forth and truly be free as architecture, archite-
cturally free.

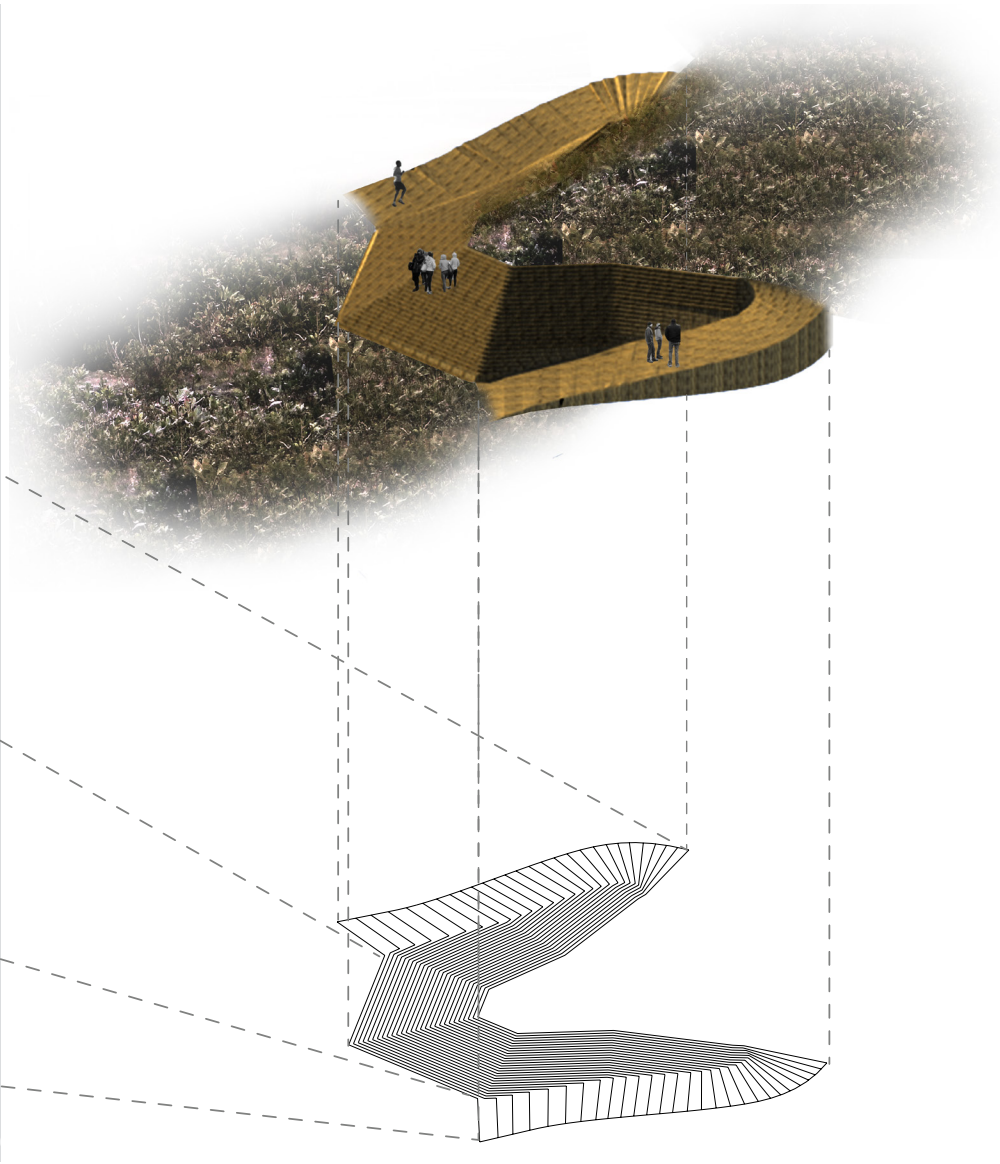
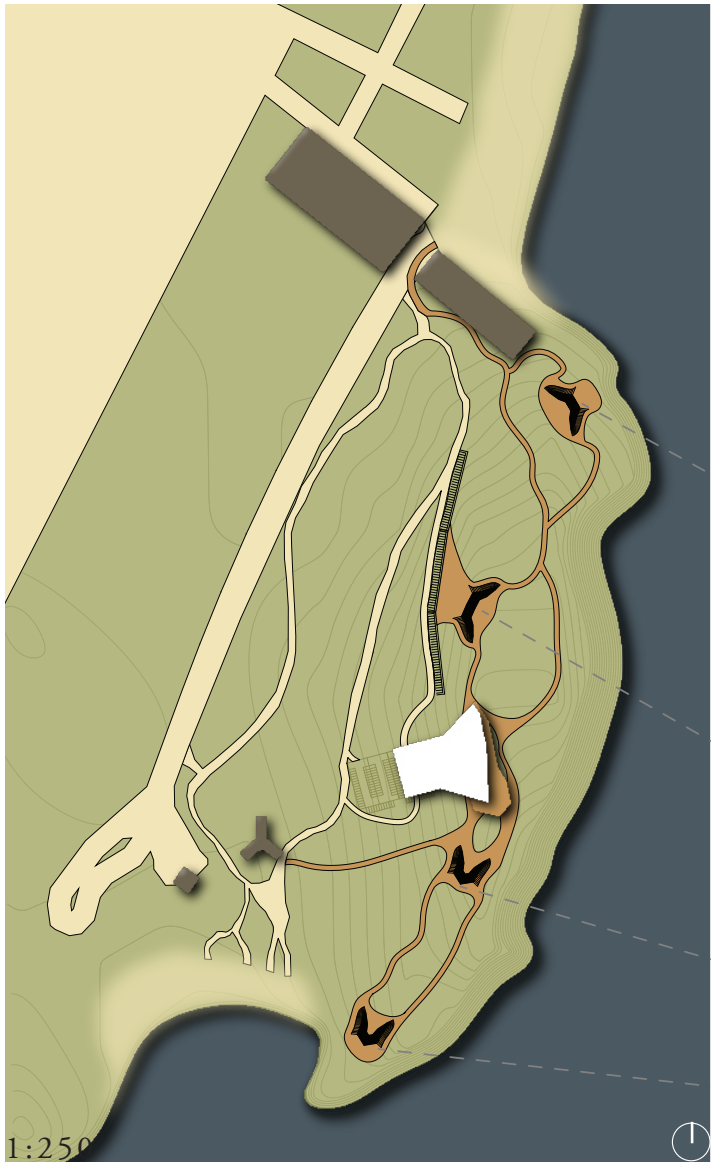
With my analysis of Frampton's final points ~~to~~ ^{towards} a
critical regionalism, I felt as if I knew how to reach a true
form of vernacular, a housing Harris' words, vernacular of
liberation. All of them, the knowledge that it is a marginal
practice which critiques the modern but understands & will
the value of its legacy, that it is consciously bounded by
the physical & the timely, the understanding that there are
more than one act to buildings, that it favors culturally
relevant textures, that it stresses its land, that it is
sensorial versus visual, that it builds upon the vernacular &
is not opposed to all sentimental usage, that it does derive
from international elements, leading to a "regionally based



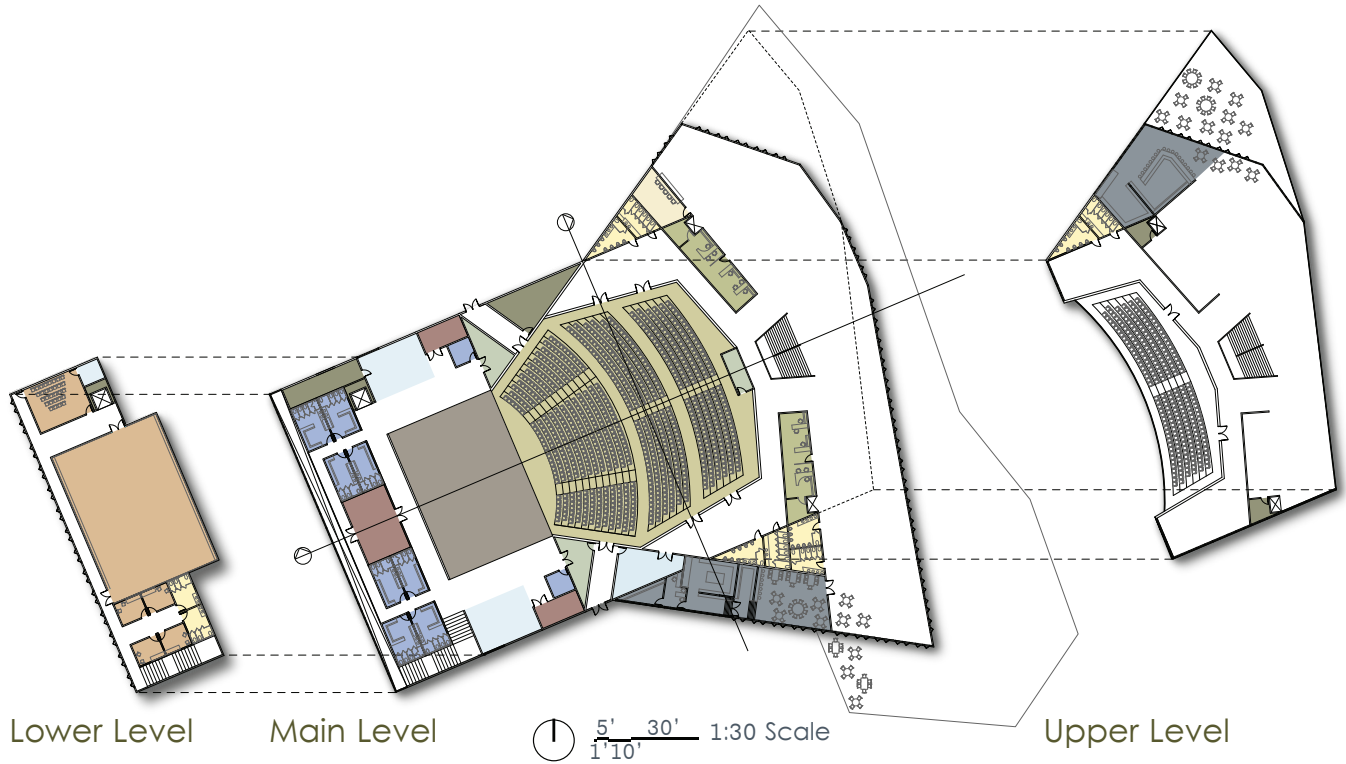
1:100

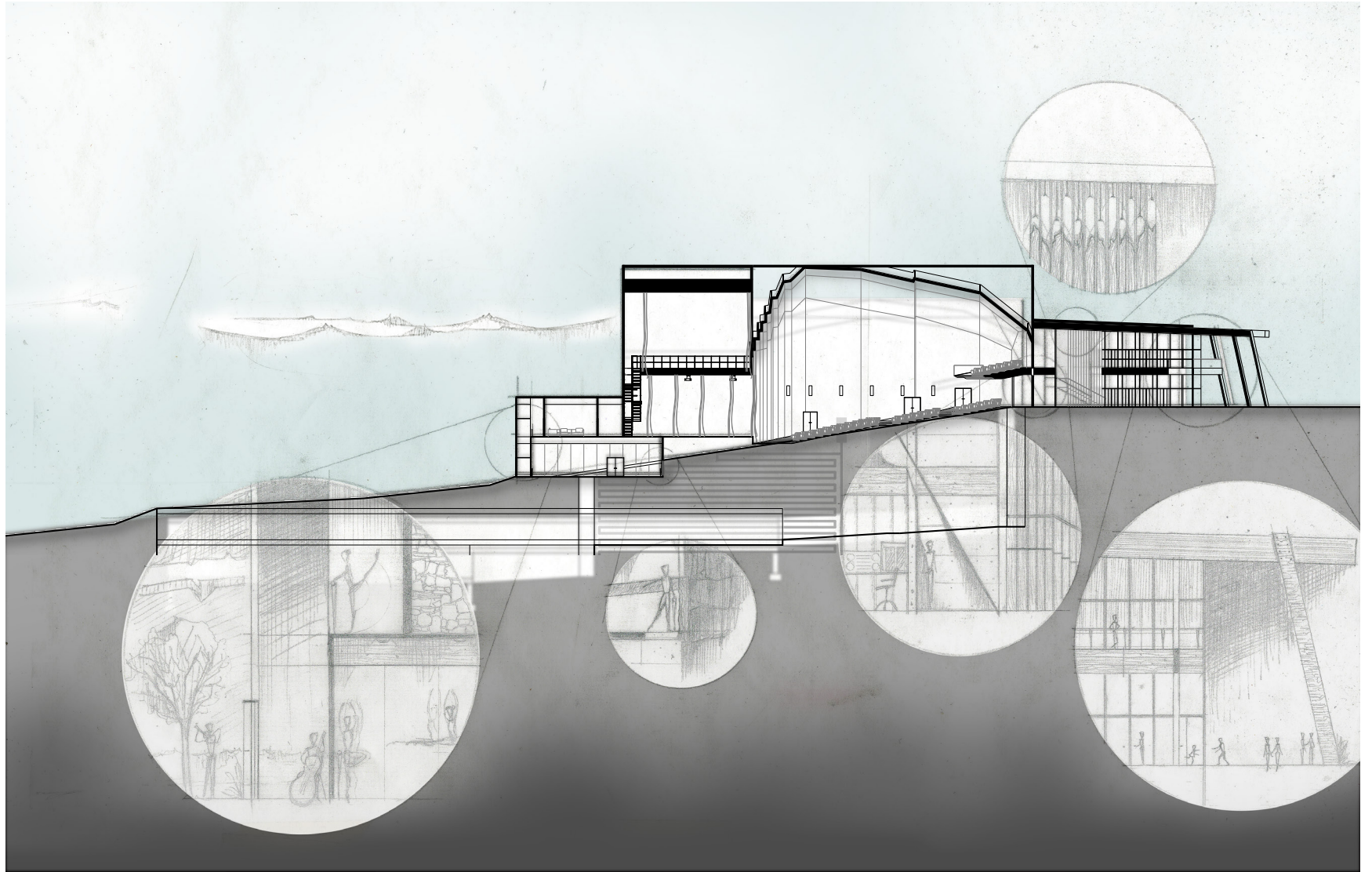


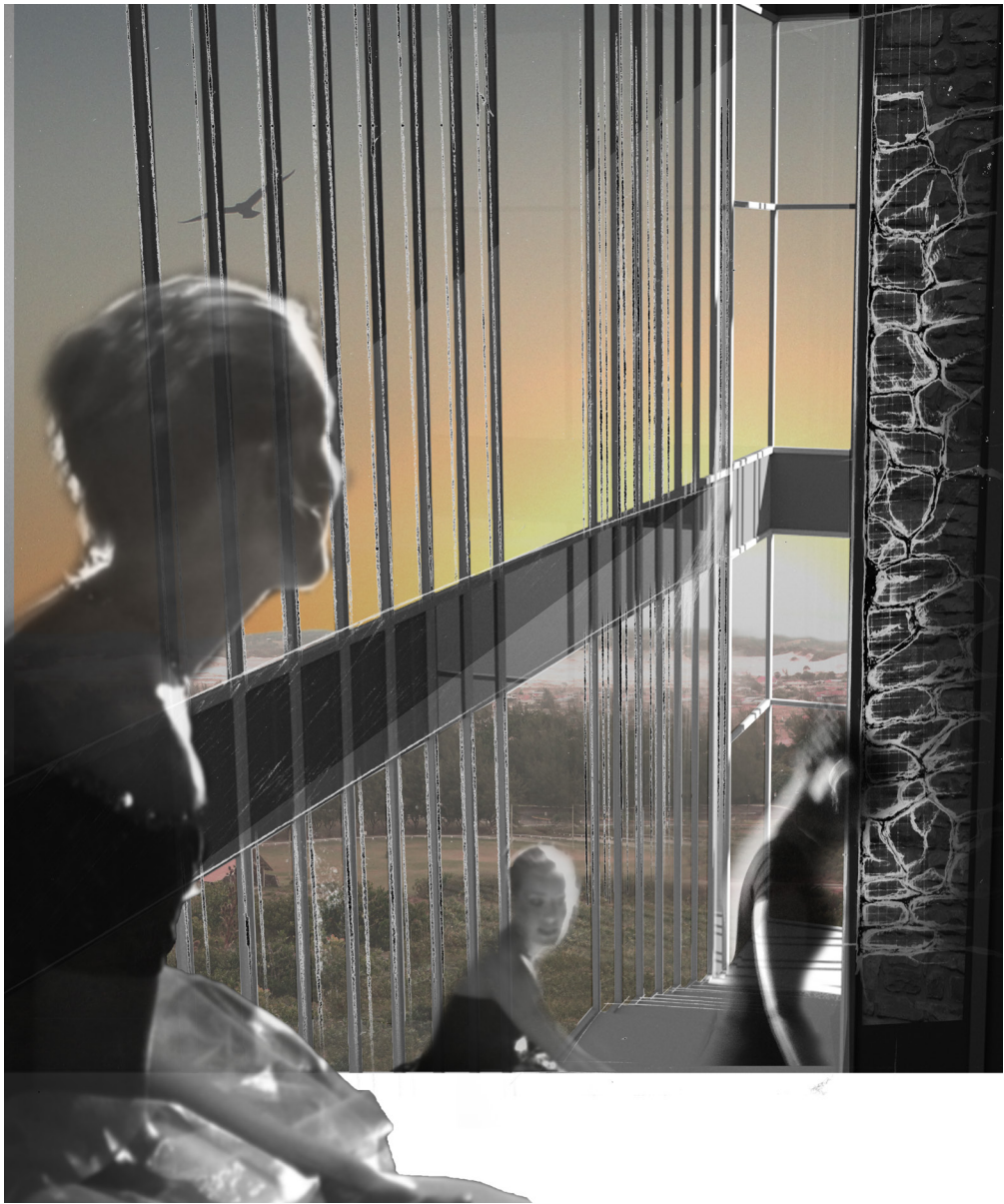




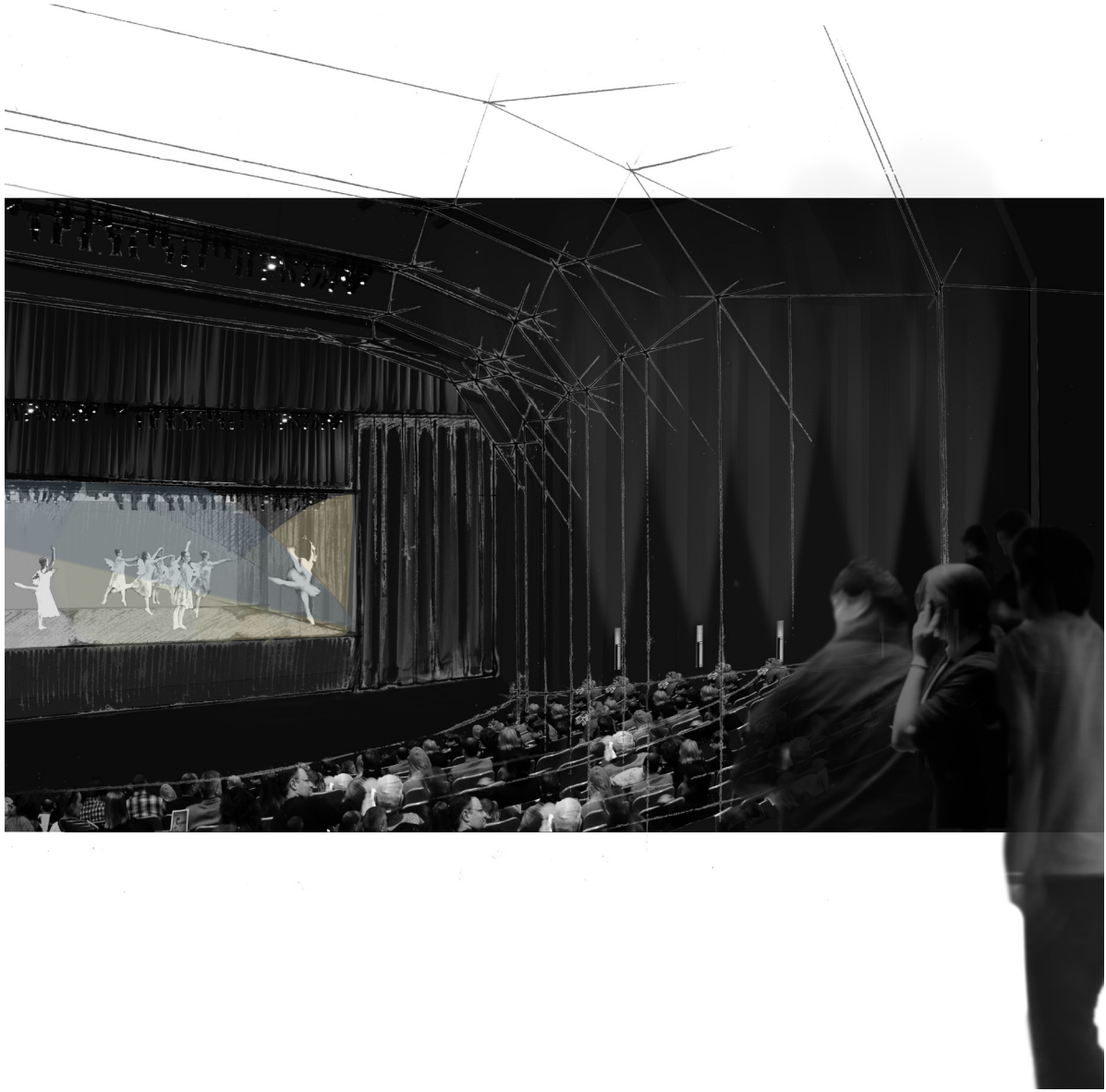
- Administration
- Ticketing
- Mechanical
- Restaurant / Cafe
- Restrooms
- Production
- Rehearsal
- Set / Equipment
- Green / Waiting
- Dressing
- Stage
- Audience



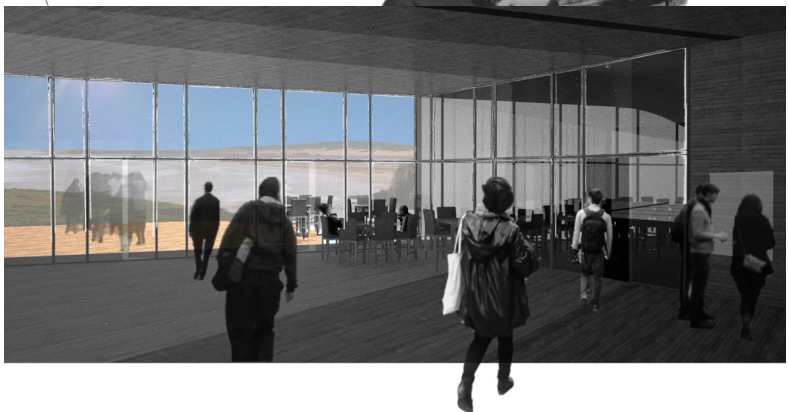
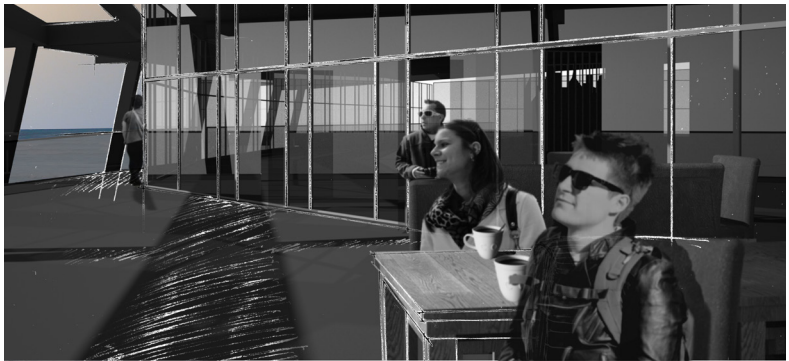










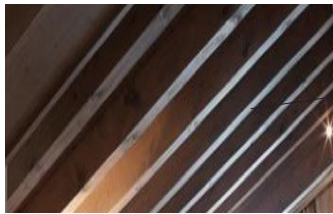




Site-cast Concrete
on Prefab. Mold



Site-cast Concrete
on Wooden Mold



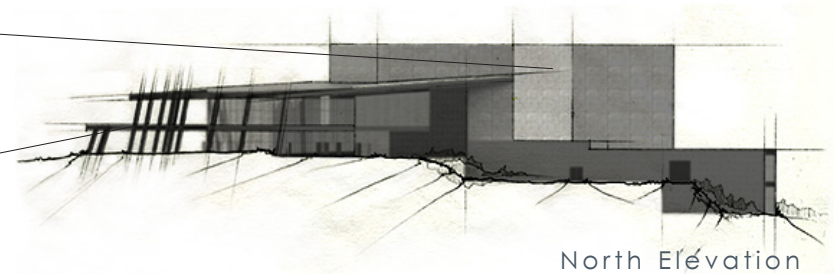
Rhythm through
Structural Pattern



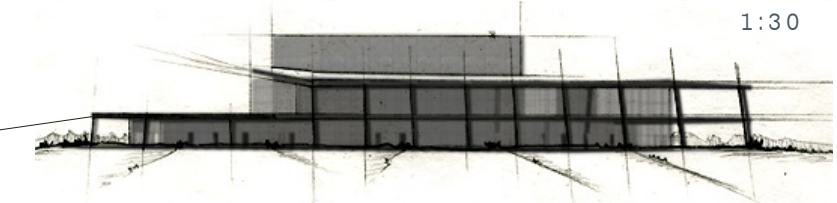
Openings as Divider
Element



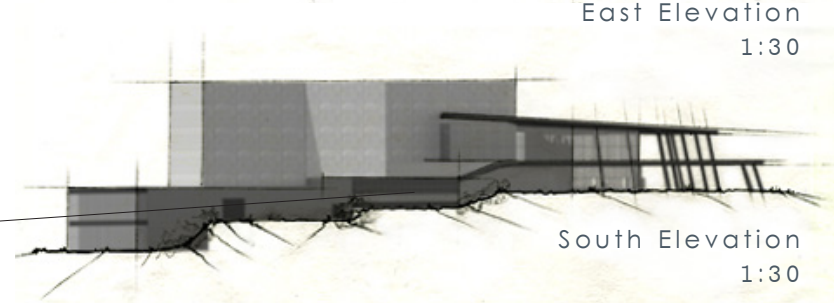
Site-cast Concrete
and Reused Wooden
Mold as Paneling



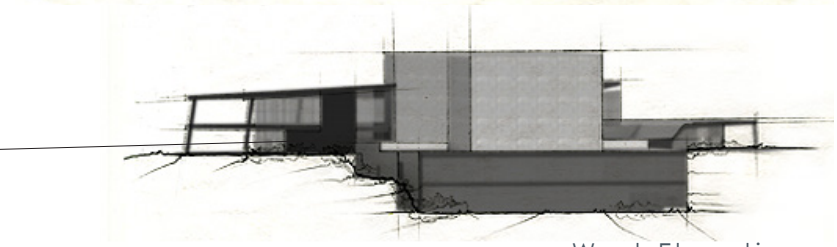
North Elevation
1:30



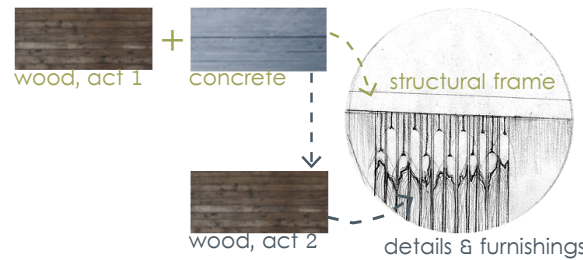
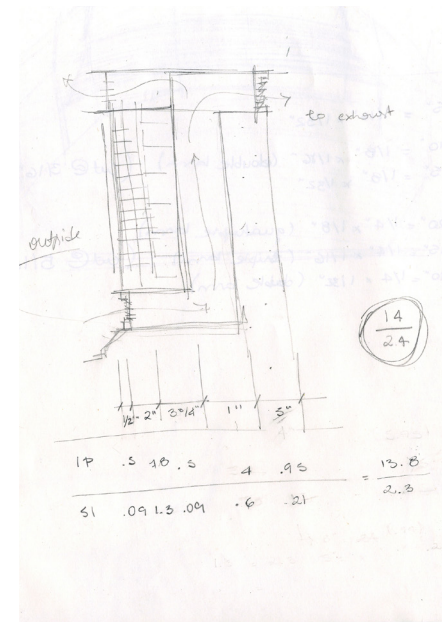
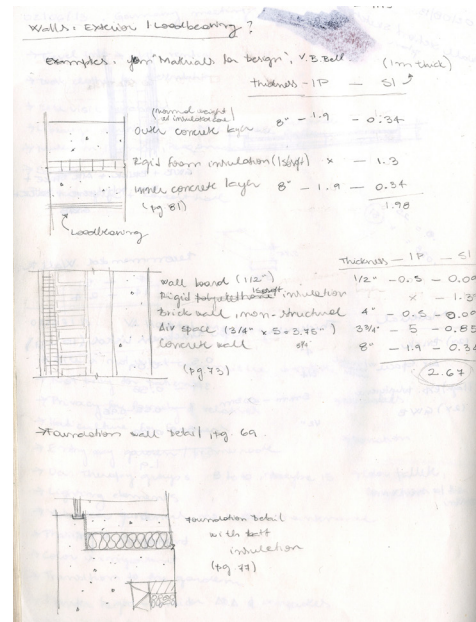
East Elevation
1:30



South Elevation
1:30

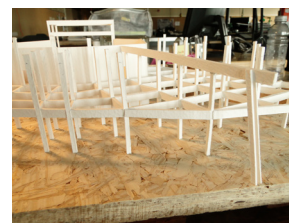
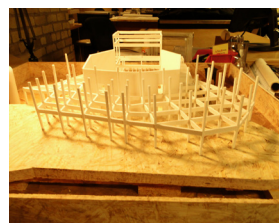
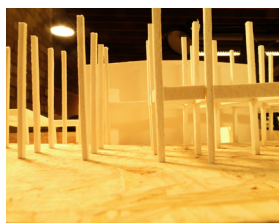
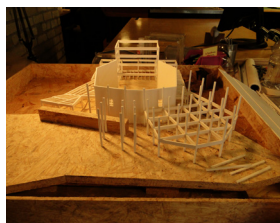
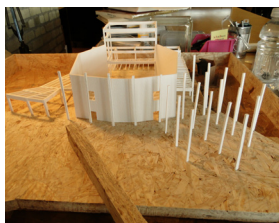
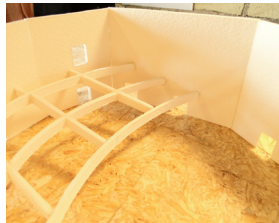
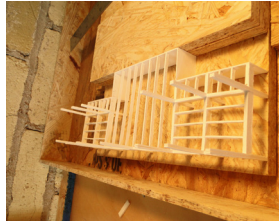
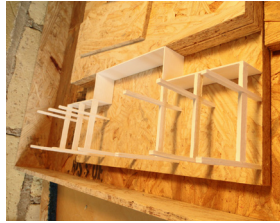
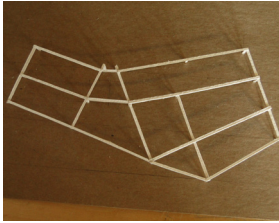


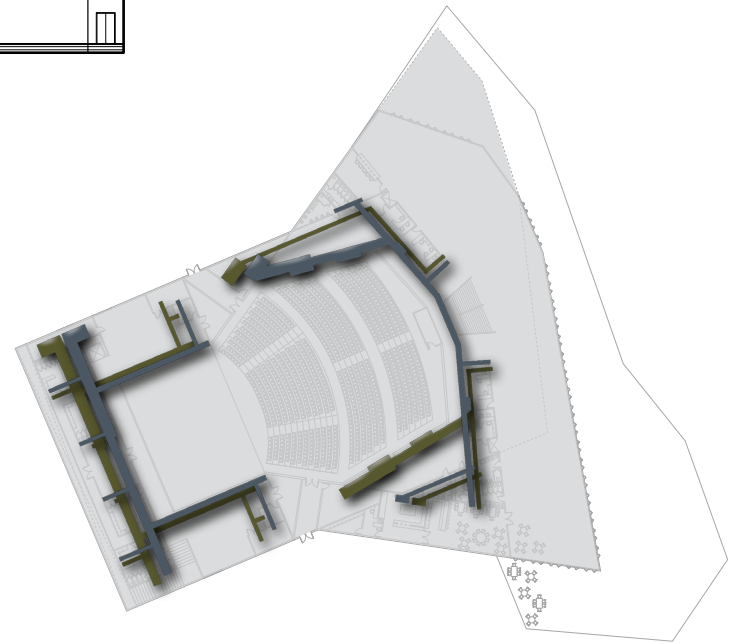
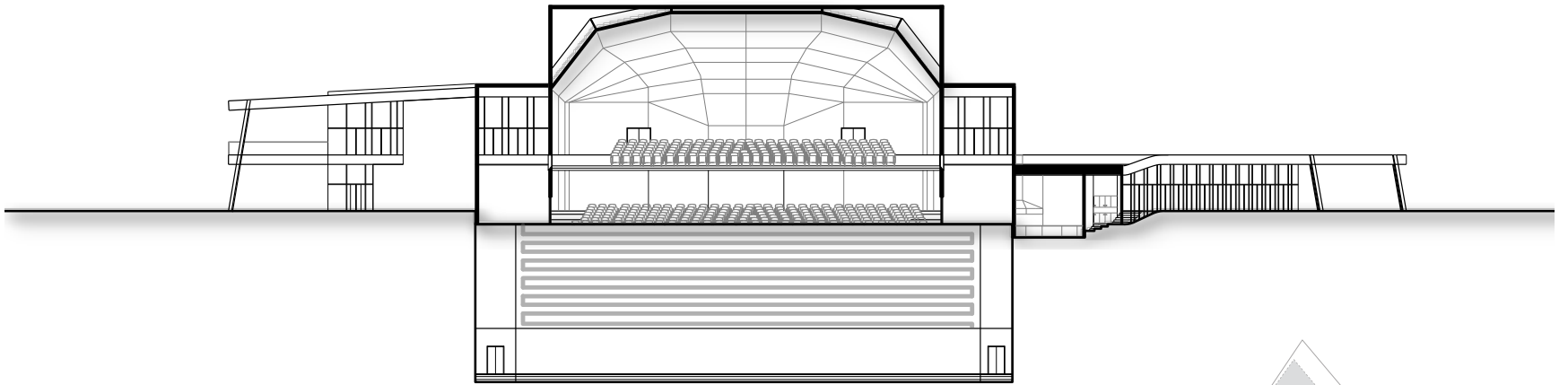
West Elevation
1:30



- 1" Wood Paneling / Wall Board
- 2" Rigid Polyurethane Insulation
- 3-3/4" Brick Masonry Wall
- 1" Air Cavity w/ Reflective Surface
- 5" Site-Cast Concrete Wall









THANK YOU!

