

Resume + Portfolio

Glenn Veigas

Melvin Glenn Veigas

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LEED AP BD + C

Canadian Permanent Resident

+(1) 515-509-9563

NCARB - AXP(AIBC): 2030/3740

Vancouver, British Columbia

Experience.

LMN Architects, Seattle. Design Staff, May 2017 - Sep 2017

Conducted firm wide sustainability research on multiple projects, calculating carbon footprint, researching rainwater harvesting details, post-occupancy research, and energy modelling.

BNIM, Des Moines. Architectural Designer, Sep 2015 - Apr 2016

Designed conceptual and design details for institutional and cultural projects.

University of Iowa Stanley Art Museum, 72, 000 SF

Conceptual Design, Design Development & Detail Design.

Work-flow: Revit, Rhino, Photoshop, Illustrator, 3D Printer, Laser Printer

University of Iowa Visual Arts Building, 126,000 SF

2017 AIANY Honor Award

Construction Documents, Work-flow: Revit, AutoCad

Stevanovich Institute on the Formation of Knowledge, 11, 400 SF

Detail Design, Work-flow: Revit, SketchUp, AutoCad

U. lowa, Department of Psychological and Brain Sciences, 66,470 SF

Detail Design, Energy Studies, Work-flow: Revit, Rhino/Grasshopper

Iowa State University Innovation Center - Invited Competition, 140,000 SF Conceptual Design, Work-flow: Rhino/Grasshopper, 3D Printer, Illustrator

SVPA Architects, Des Moines. Intern Architect, Jan - August 2015

Designed conceptual and design details for Drake University's school of education. Developed digital renders, digital models & detail drawings.

Drake School of Education, 45,000 SF

Conceptual Design, Design Development, Interior & Detail Design

Work-flow: Rhino, 3DS Max, V-Ray, Photoshop, Illustrator

White Young Architects, Qatar. Intern Architect, May-August 2013

Crafted conceptual renders and diagrams for multi-family residence, design details for private residence, Interfaced with clients, engineers, consultants & reviewed shop drawings.

Jaidha Residence, 11,000 SF

Design Development & Detail Design Work-flow: AutoCad, 3DS Max/V-Ray

Dar Al Handassah Consultants, Qatar. Site Architect-Medina Centrale, Feb - Sep 2011

Reviewed construction & shop drawings, coordinating & Executing architectural works & finishes, Interfaced with construction managers & structural engineers.

Medina Centrale, 300,000 SF Contract Documents, Site Inspection

Qatar Design consortium, Qatar. Student Intern, Jun - Dec 2008

Developed conceptual & detail designs for residential & institutional projects. Co-ordinated structural, mechanical design.

Education.

M. Sc. Arch

Iowa State University College of Design Ames, Iowa, U.S.A. 2016 - 2019

M. Arch

Iowa State University College of Design Ames, Iowa, U.S.A. 2012 - 2015

B. Arch

National Institute of Technology Department of Architecture Tamil Nadu, India 2005-2010

Awards.

ARCC King Medal

-For Excellence in Architectural + Environmental Research	2019
Second, All India Design Competition	2007

Service.

Graduate senator, Iowa State University	2014
Master of ceremony, Design convention	2009
President, Architectural Student Association	2008

References.

Carey Nagle, Associate Principal, BNIM Des Moines

515.559.0424 cnagle@bnim.com 317 6th Ave #100. Des Moines. IA 50309

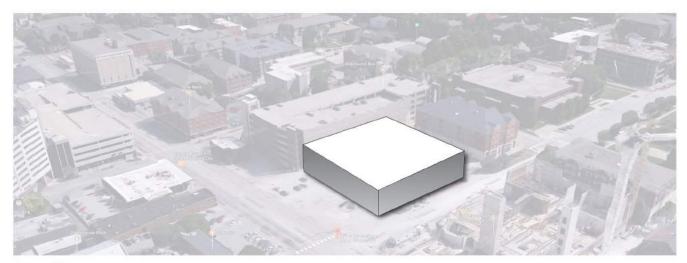
Ulrike Passe, Associate Professor, Iowa State University

Director. Centre for Building Energy Research, 515-294-7142 upasse@iastate.edu 158 College of Design Ames. IA . 50011

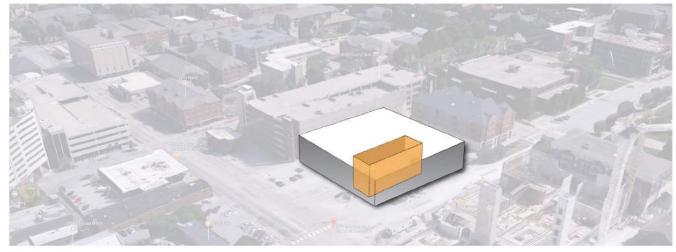
Sam Miller, FAIA, LEED AP, Partner, LMN Architects, Seattle

smiller@lmnarchitects.com 206 682 3460 801 2nd Avenue, Suite 501 Seattle, WA 98104

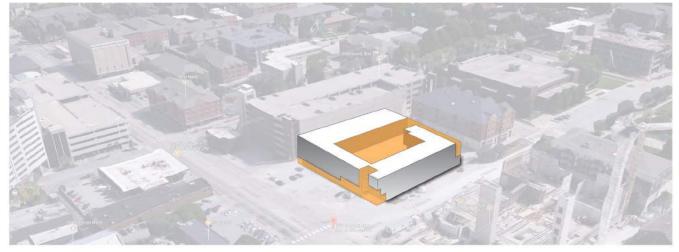
At BNIM architects, I was part of team of 6 designers led by Carey Nagle working on a museum in the state of lowa. The art museum was sanctioned by a liberal arts college to collate and curate their extensive collection which was spread over multiple buildings. It was the university's intent to formalize their collection in a space with permanent and rotating galleries as well as learning classrooms. I worked on conceptual spatial design, and was in charge of developing details relating to solar shading, vertical circulation and wall assembly, modelling and visualization both digital and physical and, structural/mechanical coordination. The design is square in plan with a courtyard carved out to serve as an ambulatory element to circulate around and help people position themselves within the building. Apertures and Glazing are used to craft views and daylight the entrance lobby, crafting a relationship between the courtyard and the surrounding context. Programmatically the museum is split over three levels with the reception lobby, learning dassroom and service on the 1st floor, the galleries on the second floor and the collections storage, offices, collaborative space and terraces on the third floor. The team went with long format black brick around the north, east and south side create a uniform façade to allow the courtyard beyond to shine through to the street and invite people into the museum. **BNIM Architects, Des Moines.** Stanley Museum of Art, Architectural Designer



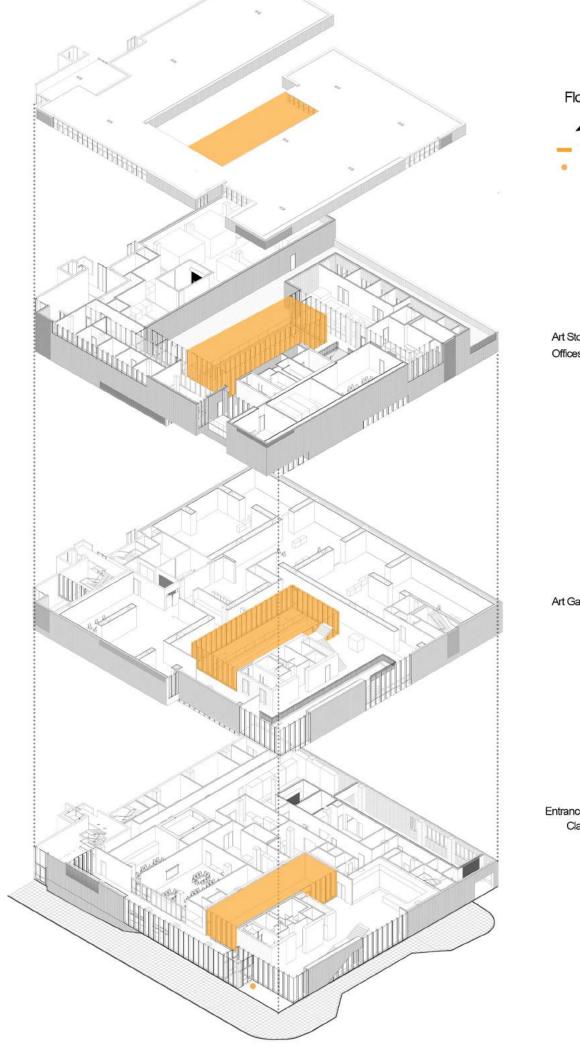
Corner Plot



Courtyard



Carve



Floor Plans

▲ N

Courtyard

Entrance

3rd Floor Art Storage+ Courtyard Offices + Classrooms

2nd Floor Art Galleries + Courtyard

1st Floor Entrance Lobby + Courtyard Classroom + Service

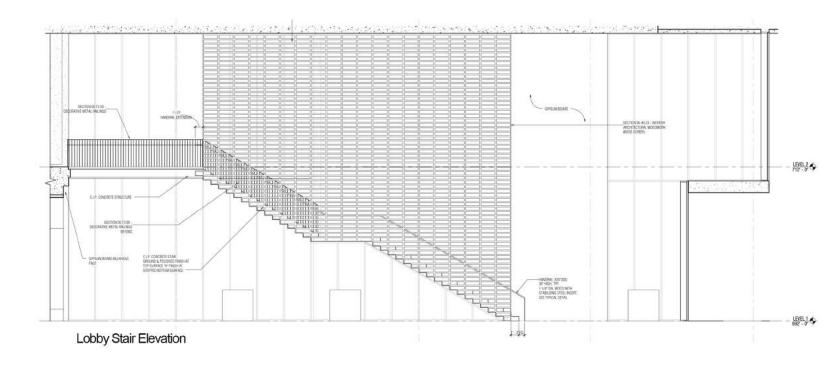


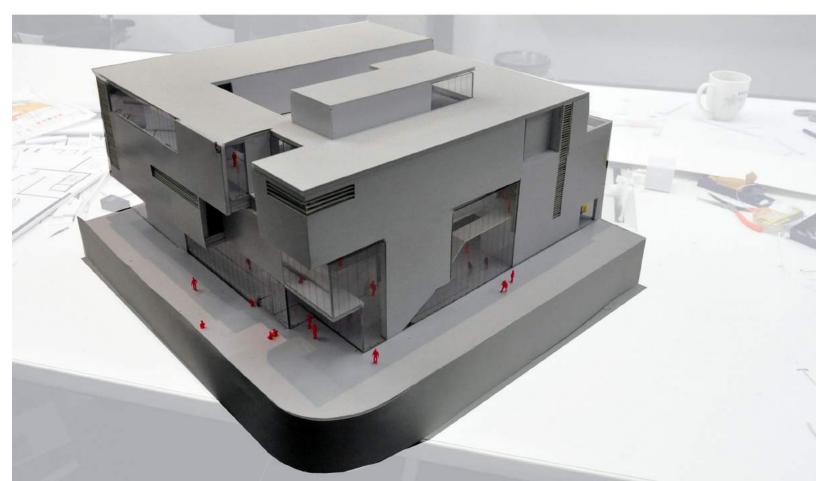


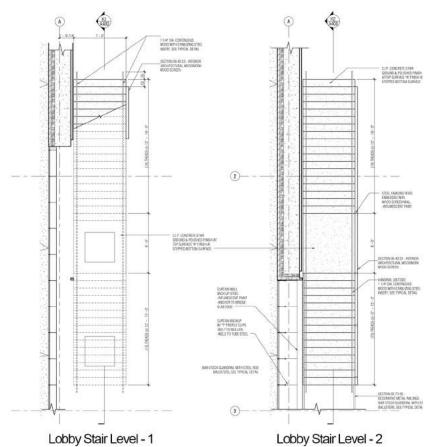


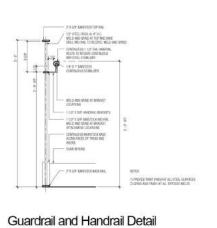
BNIM Architects, Des Moines.

Technical Drawings, Vertical Circulation-Stanley Museum of Art

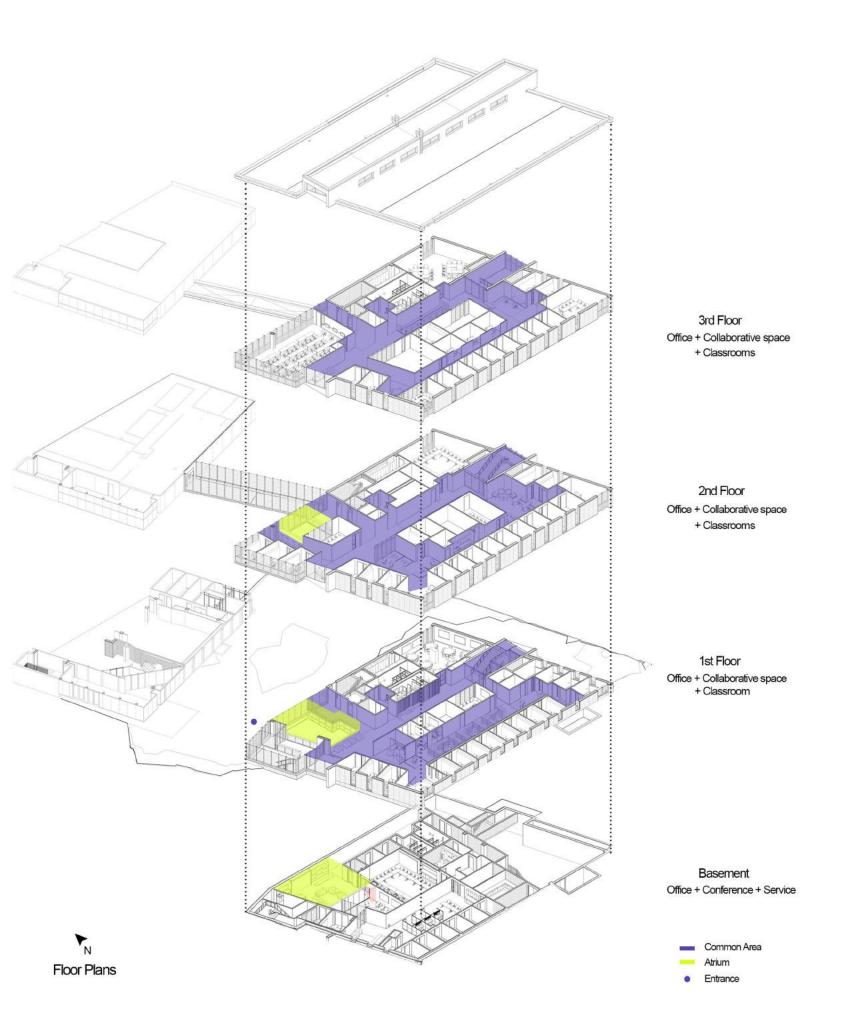








BNIM Architects, Des Moines. Makers Quarter, San Diego INSULATING GLASS (088000) WOOD BLOCKING (061053) SHEET METAL FLASHING AND TRIM (076200) TAPERED INSULATION (075423 8 Head Detail @ Boxes 6 Steel Channel Details @ Roof Edge \bigcirc 126 - 4' O 1 1/2" STEEL DECKING RE: STRUC 1/ST 2 SHEET METAL FLASHING AND TRIM (076200) L-SORES PERFERENCE ALMERAN SLONG TWIS SONES BLOSSO 1(30)A/E) ALDAWAN - 9; 000 PRINEL SCRESS (31,100) 7 Steel Channel @ Operable Panel 5 Structural Attachment Detail @ Ground Level Boxes 1 1/2 STEEL DECKING -RE: STRUC 1/S/ 2 ROOF PATCH @ (1/8":10") STEEL TUBE (051200) 15 Roof Section @ Ground Level Boxes 4 West Wall Enlarged Elevation1 9 Bottom Steel Channel @ Operable Panels 3 West Garage Door Wall Section



SVPA Architects, Des Moines.

Drake School of Education, Intern Architect

At SVPA architects, I worked on Drake University's college of education in Des Moines. The building will sit right across Scott Chapel encompassing 44,500 sq. ft.

I worked on conceptual and detail design, material selection and refinement, leading development and detailing of the rain screen and glazing development, 3d modelling and visualizations for conceptual development and presentations, spatial development and furniture selection and layouts.

The school of education is a building that will fit the need for educational training by providing dedicated flexible space for experimental learning and collaborative spaces as a means of developing future teachers & professors.

In plan it's a parallelogram that is shaped by the interior circulation and spaces responding to street conditions of the west side and leading into the east end creating a spatial enclosure that the university hopes will cultivate informal collaborations.

The material used for the cladding is terracotta and is applied keeping in mind the colour palette and material choice of the existing campus which is brick. The terracotta is realized where most of the spaces require greater privacy like the administrative offices.











Comprehensive Studio, Iowa State University

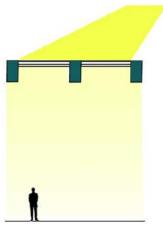
Centre for Performing Arts, Chicago

The experience is coordinated in a way to create a formal order, towards the openness of the lake. The largest of the two performance halls is zoned adjacent to the atrium and the experimental hall is zoned directly opposite the main performance space. A straight run staircase and landing infill between the two halls connecting them visually and spatially.

The atrium is spanned by an aluminium frame forming a diagrid pattern. The triangular patterns host three panel types, glazing panels for daylight, HVAC panels for venting or trapping heat in the atrium and opaque panels. These three panel types work in conjunction to regulate temperature, daylight and acoustics in the atrium. The second floor frames the view of the lake through the atrium.

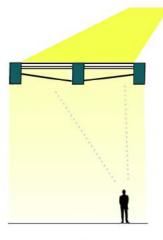
This semester long project was designed and executed by two team members, with me spearheading, conceptual design, development of the wall assembly and glazing, thermal and sound calculations, 3d printing and laser cutting, digital and physical representations. The project brief called for a multi-program performance space situated on the on banks of the lake adjacent to lake shore drive. The spaces are oriented to form an orchestrated circulation path from, lake shore drive towards the lake.

Opaque Panels



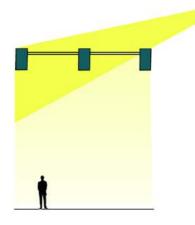
Diffuse Lighting

Opaque + Acoustic Panels

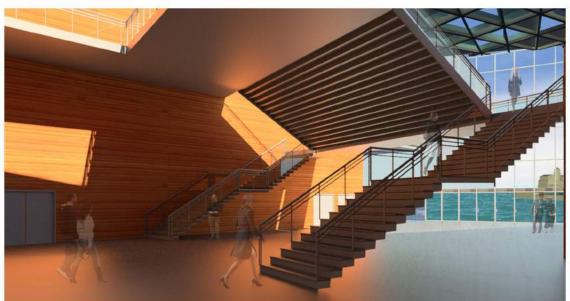


Acoustic Control

Glazing Panels



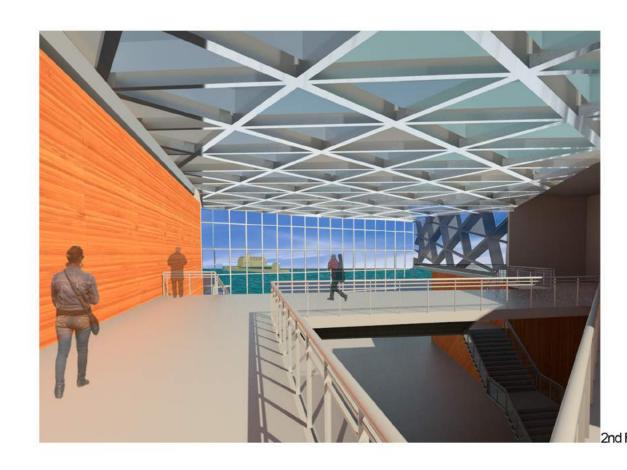
Direct Lighting



1st Floor



1st Floor



For this project me and my teammate worked on designing 5 low cost single family residences. We worked on conceptual design, and I developed joinery details, diagramming, thermal calculations, digital and physical representations

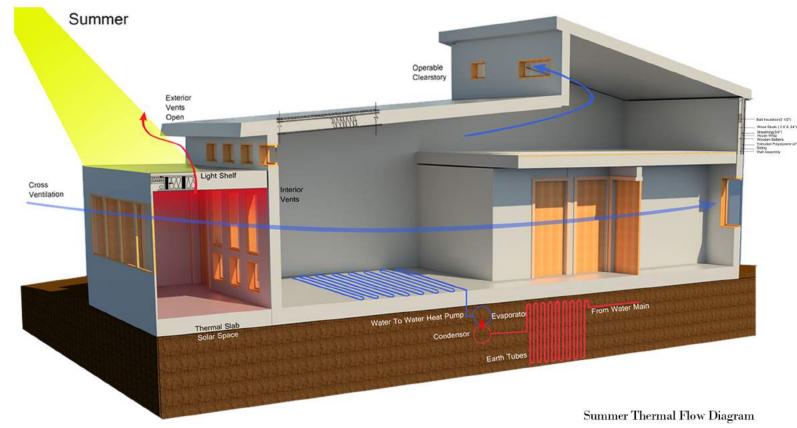
The task was to design a low cost, net zero home for families unable to afford one. We worked with habitat for humanity to design a comfortable space which for some families were their first. We went with a combination of passive solar, by orienting the houses to the south creating a trombe with a three season porch and combining below grade trenches & radiant floor heating reducing energy costs.

The envelope was designed using a traditional skin with thicker rigid insulation on the exterior membrane to keep cost low with existing materials. The final cost of an individual home came out to \$94,000.



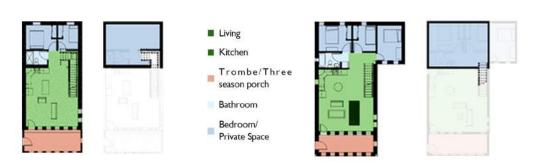
Green Building Studio, Iowa State University.

HighLIGHT for Habitat.



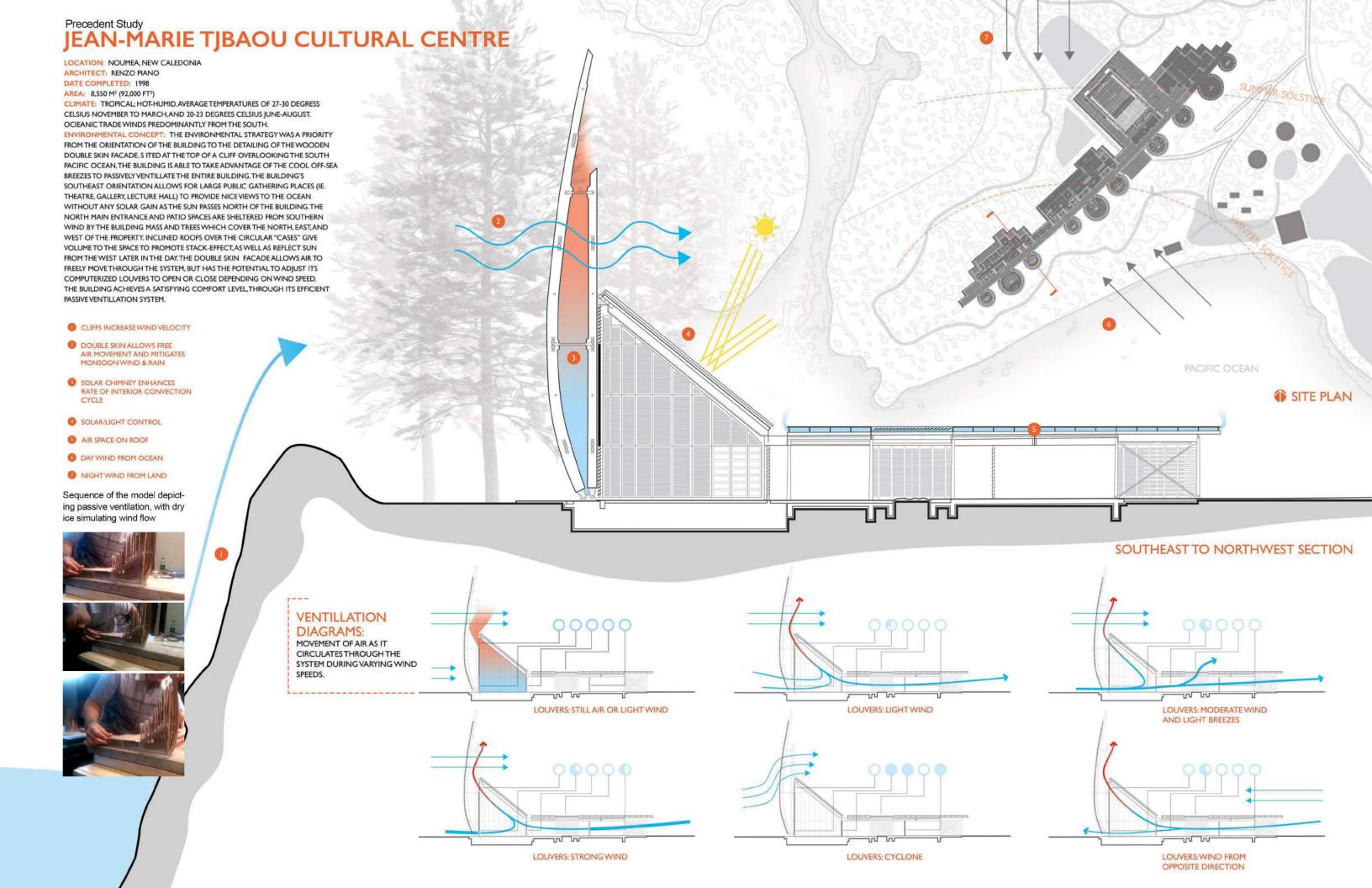






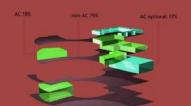


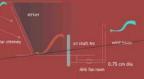
Unit -1 Unit -2



Creativity is allowing yourselves to make mistakes Architecture is knowing which ones to keep

....faced with the task of providing a space for people to interact and to serve as a forum for the exchange of knowledge and ideas. The structure's impact on the environment and sustainability was the major concern. The ensuing design was primarily based on the Indian values of living and at the same time converging a number of technologies, applied a in









Space analysis:





The convention center is a progressive structure which continuously adapts to the rapidly changing environment. A model for sustainability, energy efficiency and green solutions. A building which does not grow old but rather evolves with time.

