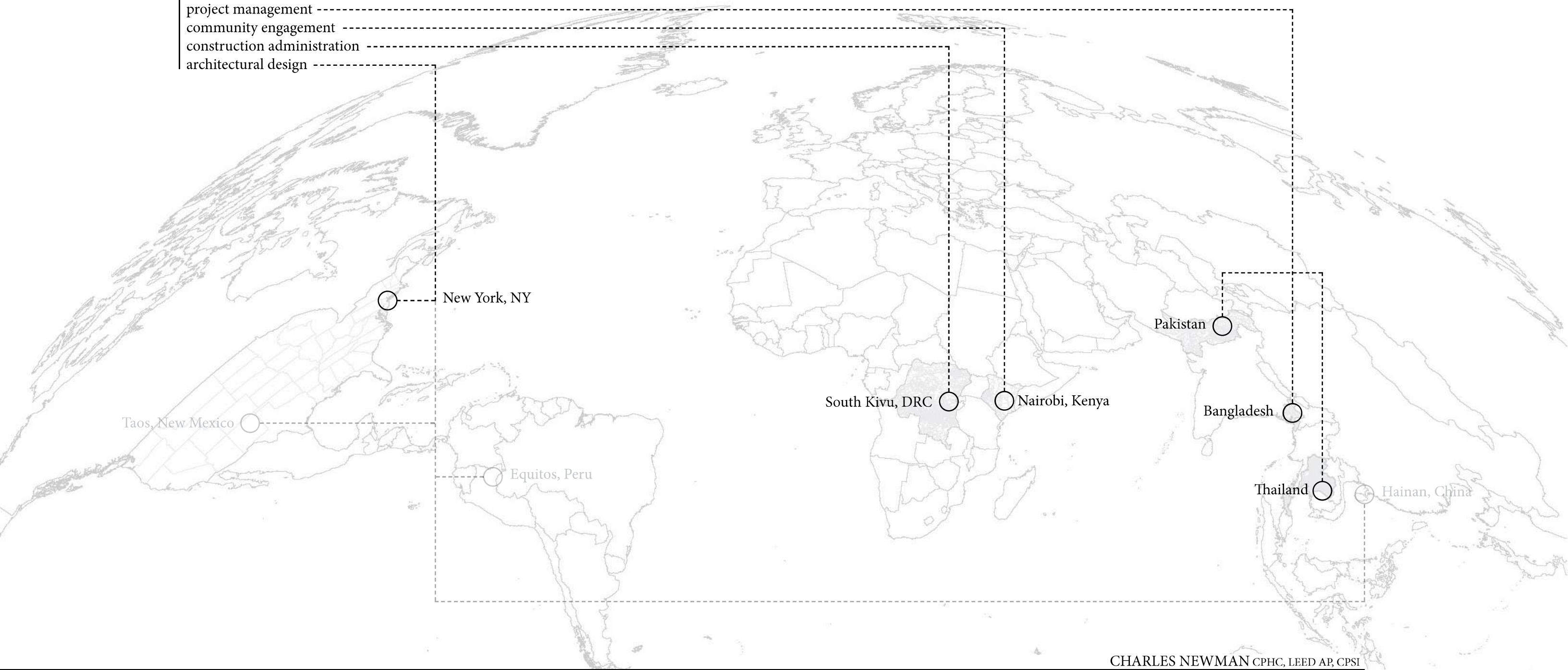
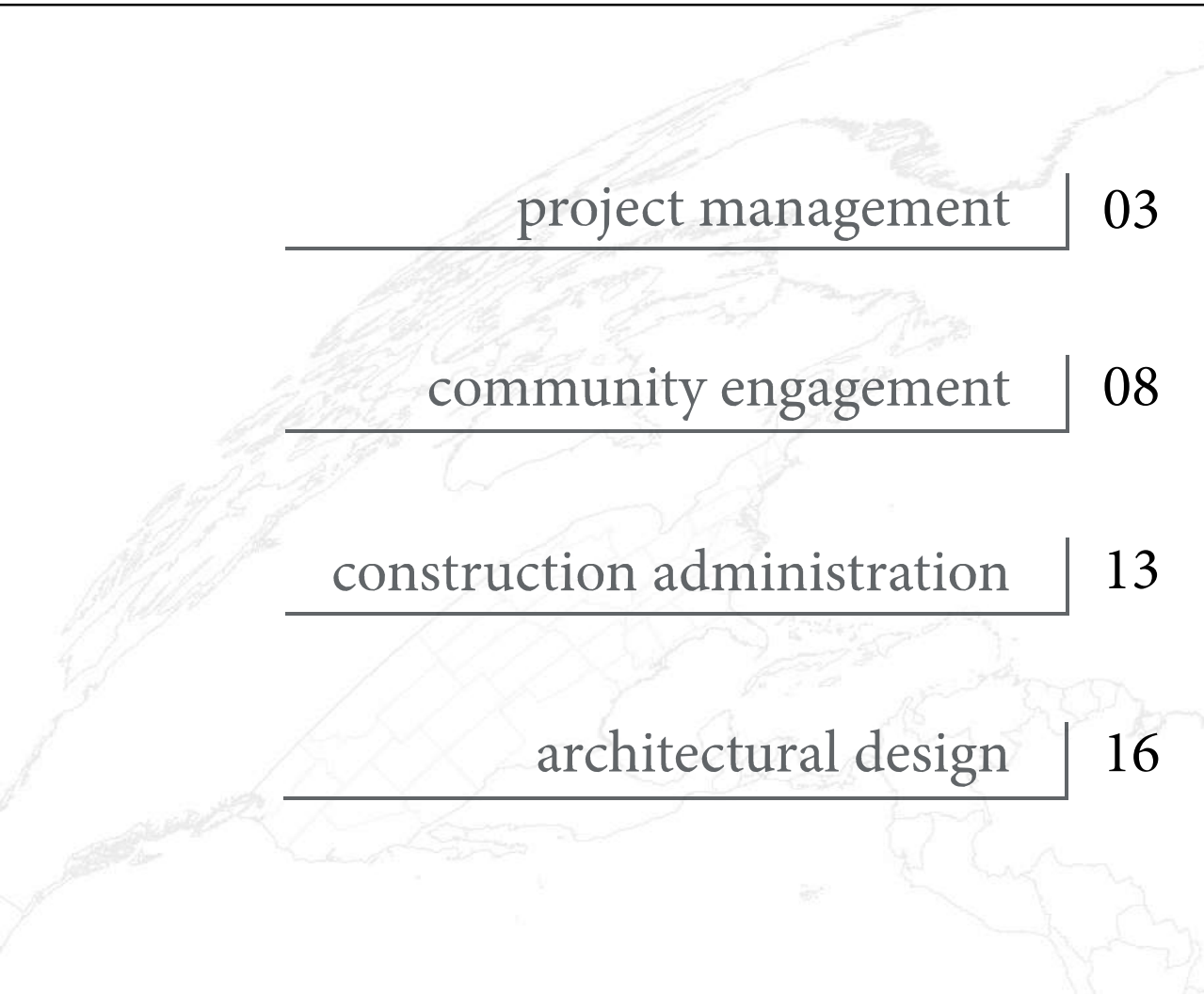


PORTFOLIO

- project management
- community engagement
- construction administration
- architectural design



CHARLES NEWMAN CPHC, LEED AP, CPSI
CharlesNewmanDesigner@gmail.com
tel: 917.545.2346



project management	03
community engagement	08
construction administration	13
architectural design	16

Contents

RAPID PLAY PLANNING
Bangladesh, Pakistan, Thailand
Consultant: Designing 15 playgrounds within refugee settlements

PRODUCTIVE PUBLIC SPACE
Kibera, Nairobi
Country Director for a non-profit design/build firm

DESIGN AND GOVERNANCE
Bukavu, Democratic Republic of Congo
Construction Manager for hundreds of schools, clinics, and markets

ARCHITECTURE IN THE PRIVATE PRACTICE
New York City
Drawings and Renderings

RAPID PLAY PLANNING

Bangladesh, Pakistan, Thailand

2019



project management

Playground Design Advisor
Humanity and Inclusion

This four month contract called for the designs of 15 playgrounds within semi-permanent refugee settlements and their neighboring host communities. Five were located in Bangladesh, five in Pakistan, and five in Thailand. I had one week in each country, and one day in each camp. This translated to only two hours per community due to travel logistics and security concerns.

In order to determine all design constraints within such a short amount of time, I developed rapid, iterative gender sensitive data collection exercises with children and teachers, established building site measuring protocol, documented permissible construction methods with authorities, and mapped out logistical challenges.

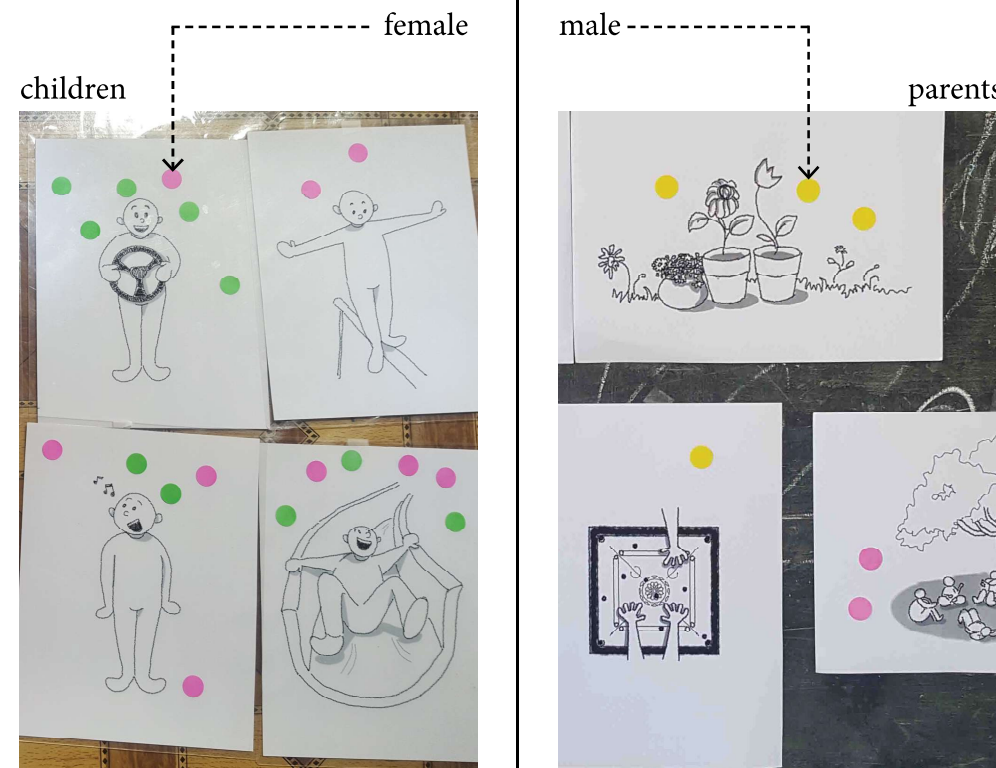
My final design packages, developed over the following 3 months, presented cost efficient playground designs that incorporate the needs and desires of the communities while achieving the client's goals of inclusive, accessible public space. Many of the playgrounds are still under construction.

RAPID PLAY PLANNING

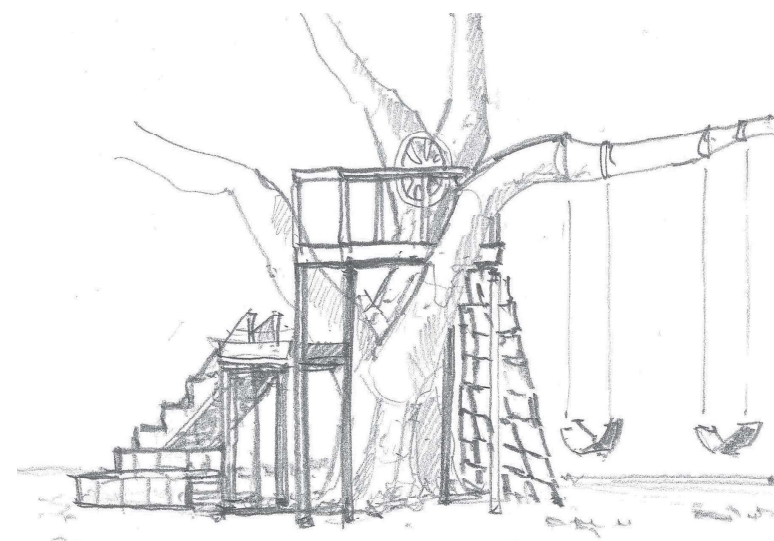
Bangladesh, Pakistan, Thailand 2019

site visits and data collection

gender sensitive voting exercises



Site Measurements and Risk Assessments

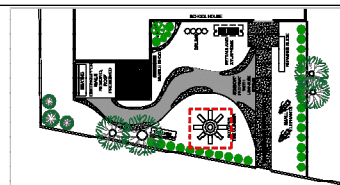
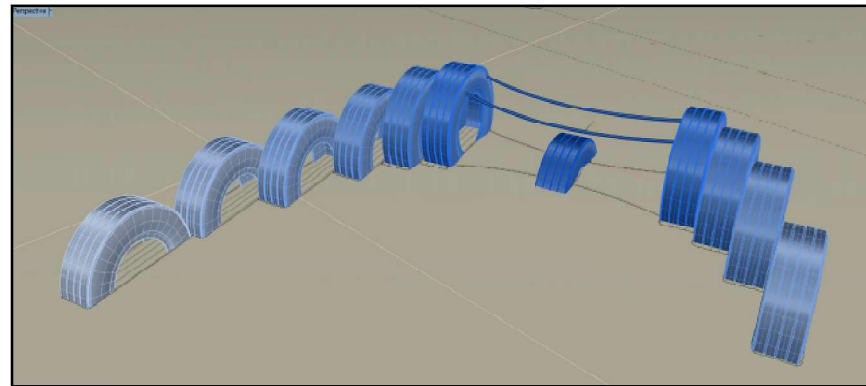
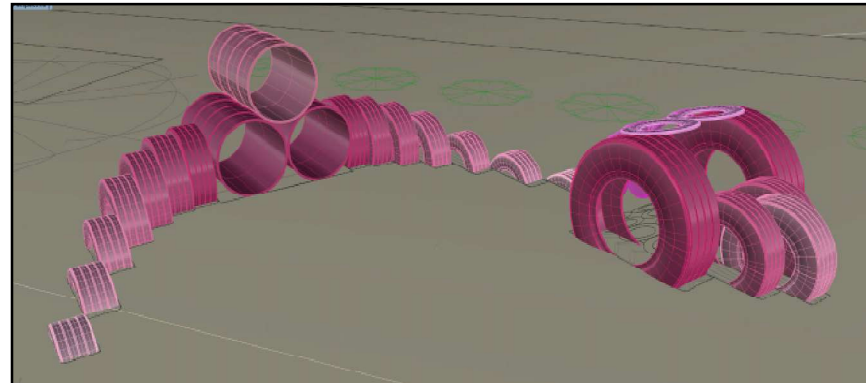


Example: Schematic design for Foliyapara Primary School, Bangladesh

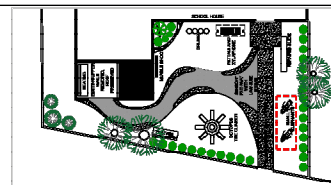
RAPID PLAY PLANNING

Bangladesh, Pakistan, Thailand 2019

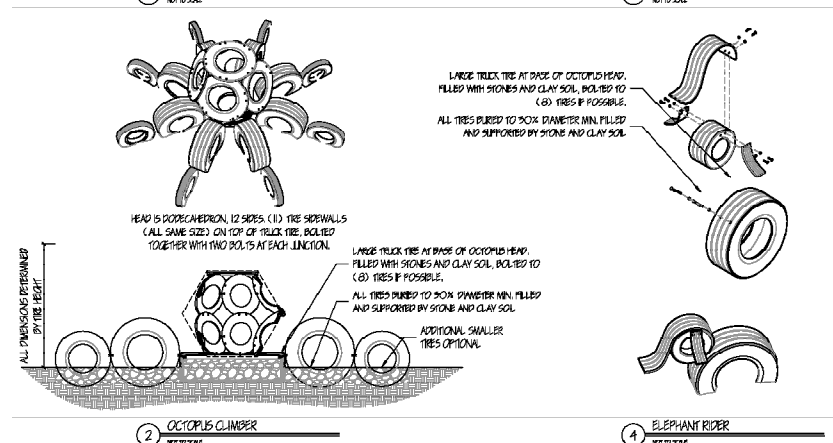
Mae La Meroan refugee camp



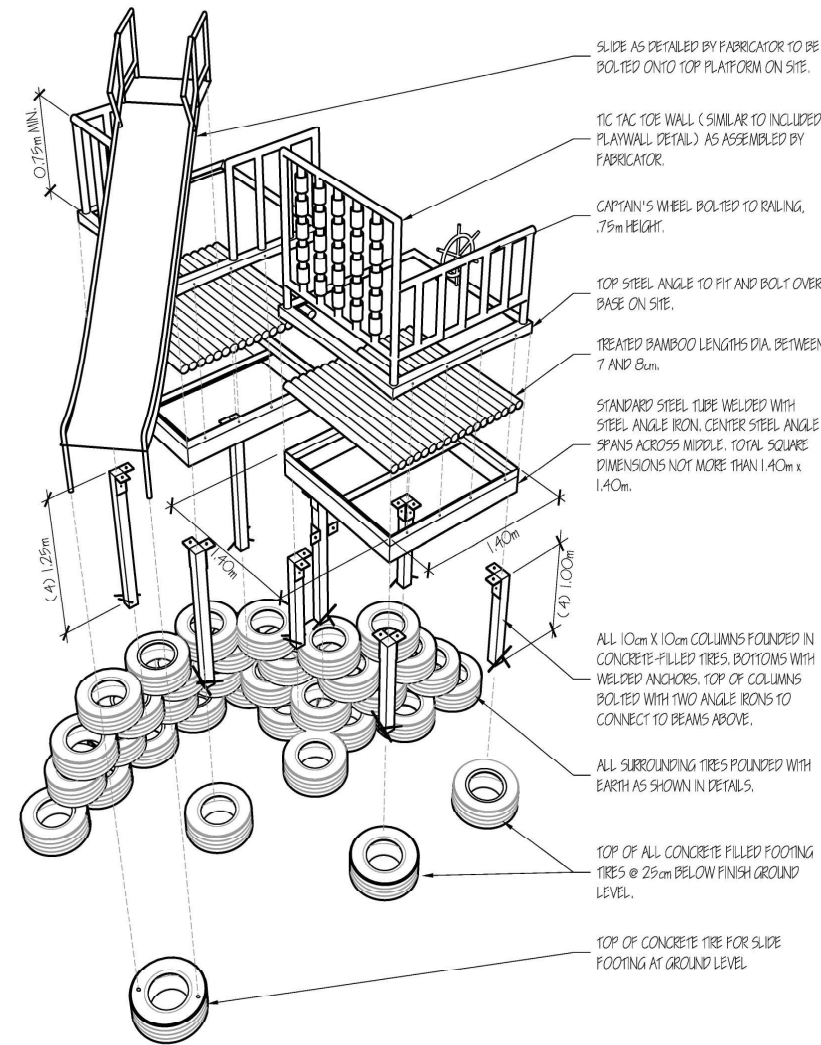
1 OCTOPUS SITE REFERENCE



2 ELEPHANT SITE REFERENCE



Mae La Oun refugee camp



Thailand

Building restrictions within the camps along the Myanmar border were extremely limiting. Pouring of concrete was not permitted. No skilled labor could be provided by non-camp residents. Every single bolt, bamboo, and paint brush needed to be itemized and submitted for 'import' approval from camp commanders one month in advance of construction.

My designs employed prefabricated components wherever possible, along with detailed step-by-step assembly instructions. Many of the designs included automobile and tractor tires, as they were determined to be effective stabilizing units in place of concrete foundations. The tires also served as soft play elements and obstacles.

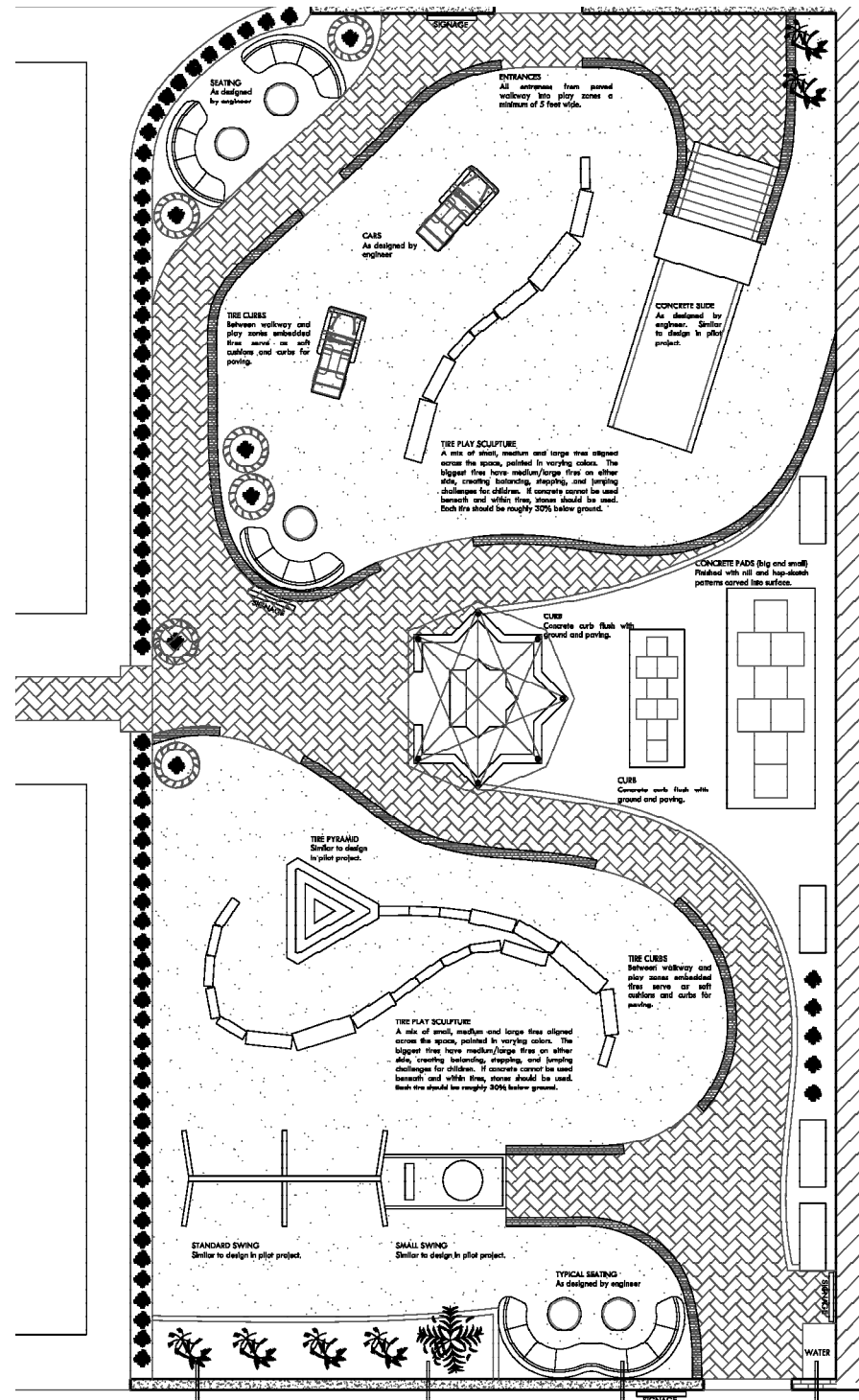
Ban Mae Surin refugee camp (opening day)



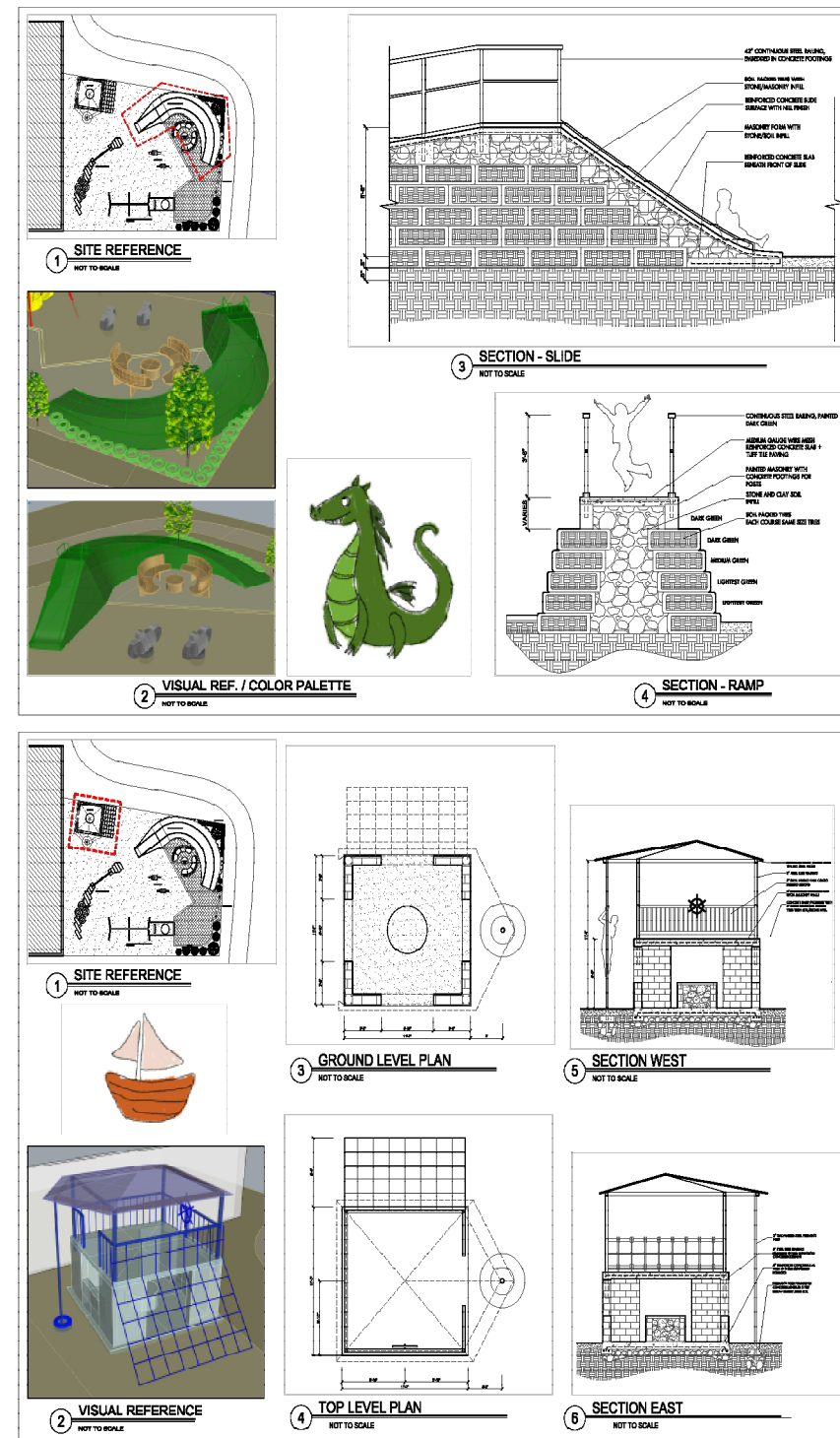
RAPID PLAY PLANNING

Bangladesh, Pakistan, Thailand 2019

Latifabad Primary School



Mehbood Park



Pakistan

The NGO's team in Pakistan, unbenownst to the international team, hired their own engineer to serve as a playground designer after my contract was established. I therefore took on the role of design advisor, limiting my documents of service to schematic design with suggestions for materials and assemblies. Conflict and property disputes interfered with a number of sites, leading to site changes late in the contract.



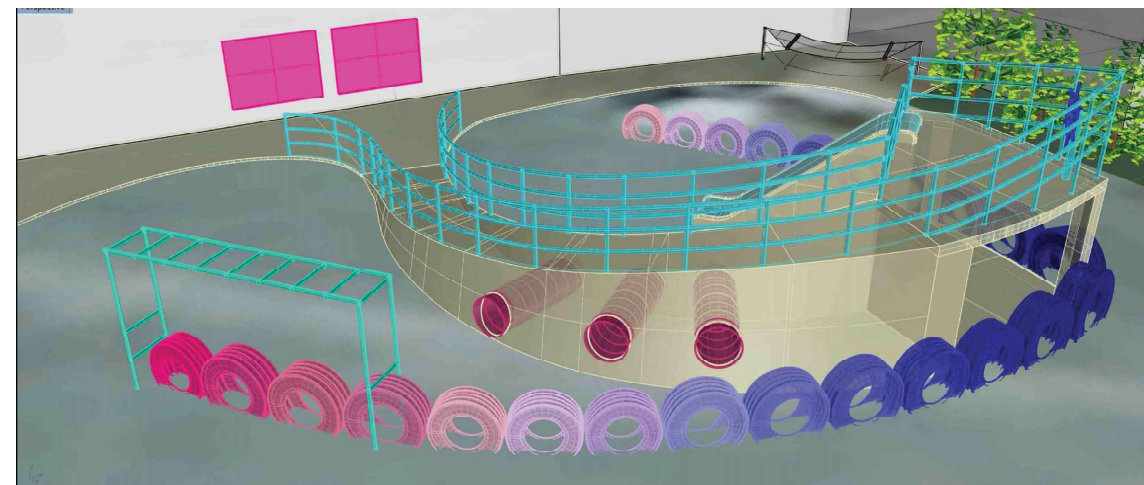
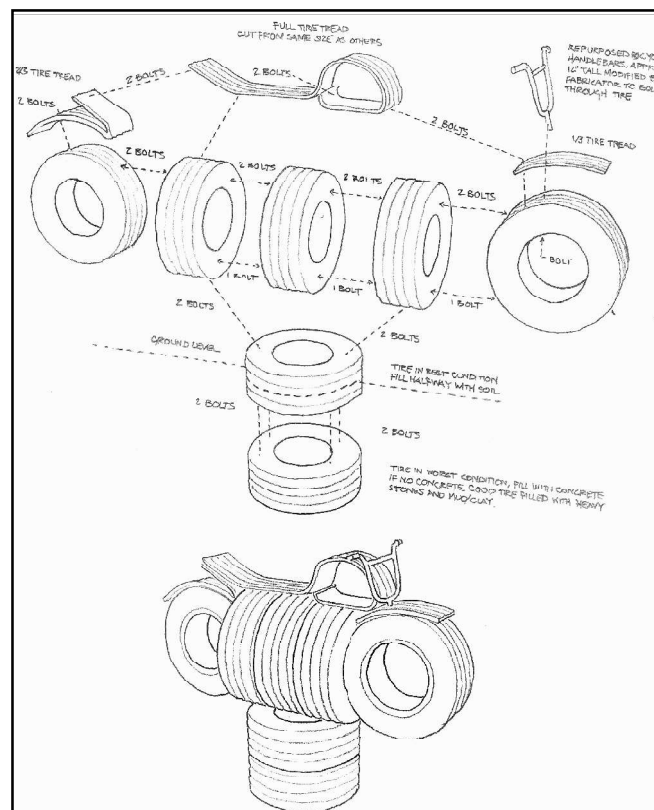
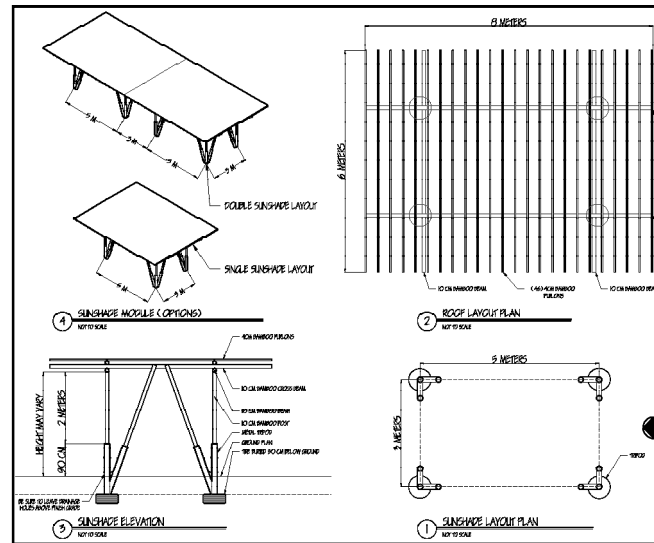
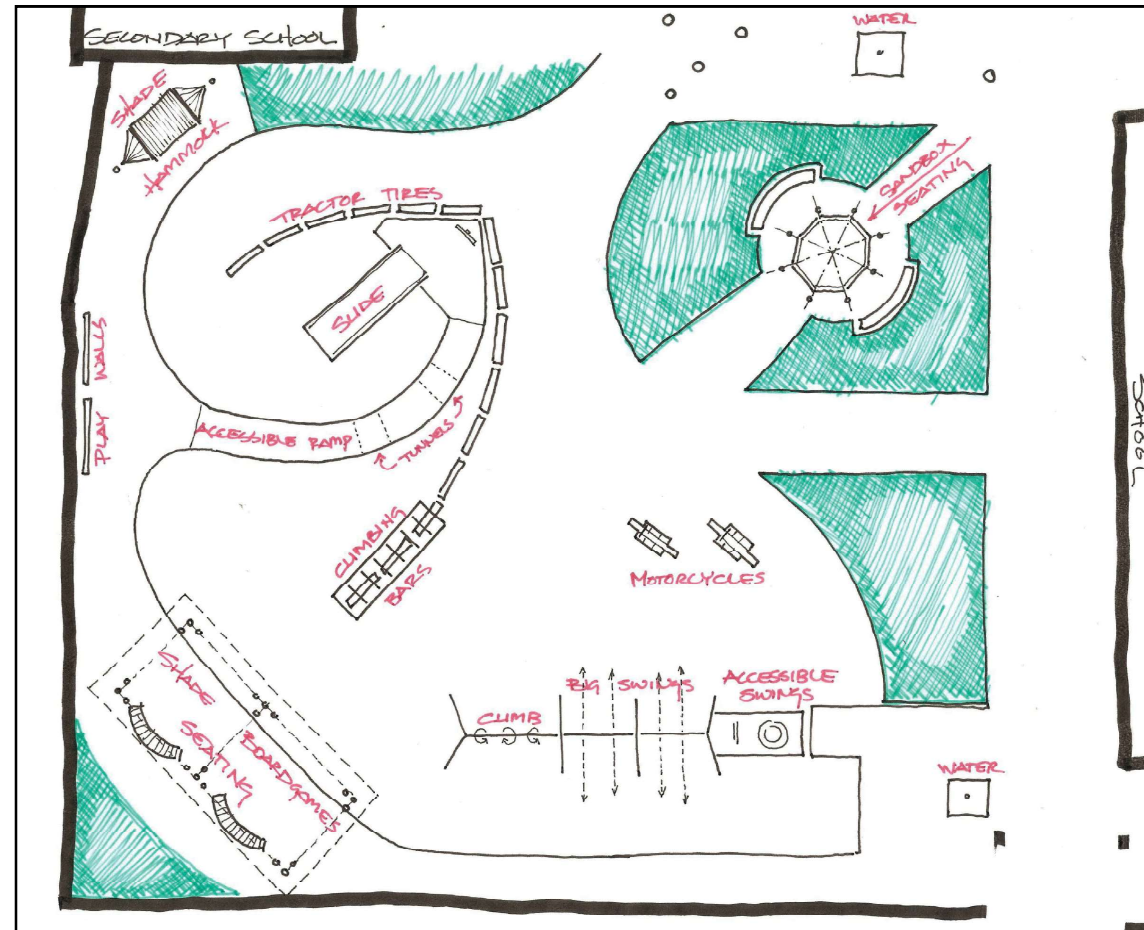
Muhajar Bazaar refugee neighborhood (opening day)



RAPID PLAY PLANNING

Bangladesh, Pakistan, Thailand 2019

Sabrang Primary School, Bangladesh



Bangladesh

The design data collected during consultations in Bangladesh revealed a substantial bias with regards to “appropriate” play for boys vs. girls vs. adults. Informed by additional qualitative interviews with teachers, my designs sought to bridge these gaps by creating adjacencies and overlaps between prescriptive play, creative play, and playspace monitoring spaces.



Sabrang Primary School, Bangladesh (under construction, delayed due to COVID)



PRODUCTIVE PUBLIC SPACE

Nairobi, Kenya

2015

community engagement

Kenya Country Director
Kounkuey Design Initiative

Kibera is known for being the largest informal settlement in East Africa and has a reputation of being a lawless maze of shanties and alleys. Our work at KDI sought to address the layered social, environmental, and economic challenges facing residents through the development of “Productive Public Space.” Through a community engagement strategy that established residents as primary decision makers, we focused our efforts in partnership with the settlement’s most vulnerable residents.

During my time as Director I oversaw interventions across seven different building sites. Each site was located within the flood zones of the major tributaries that passed through the settlement. The seventh site, located along the Ngong River, is outlined in the following pages.



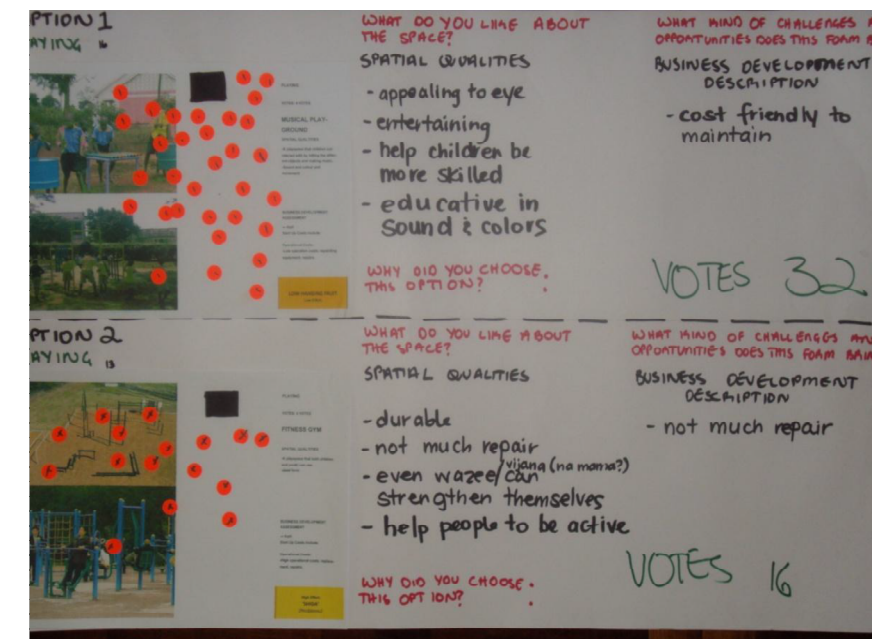
PRODUCTIVE PUBLIC SPACE

Nairobi, Kenya

2015

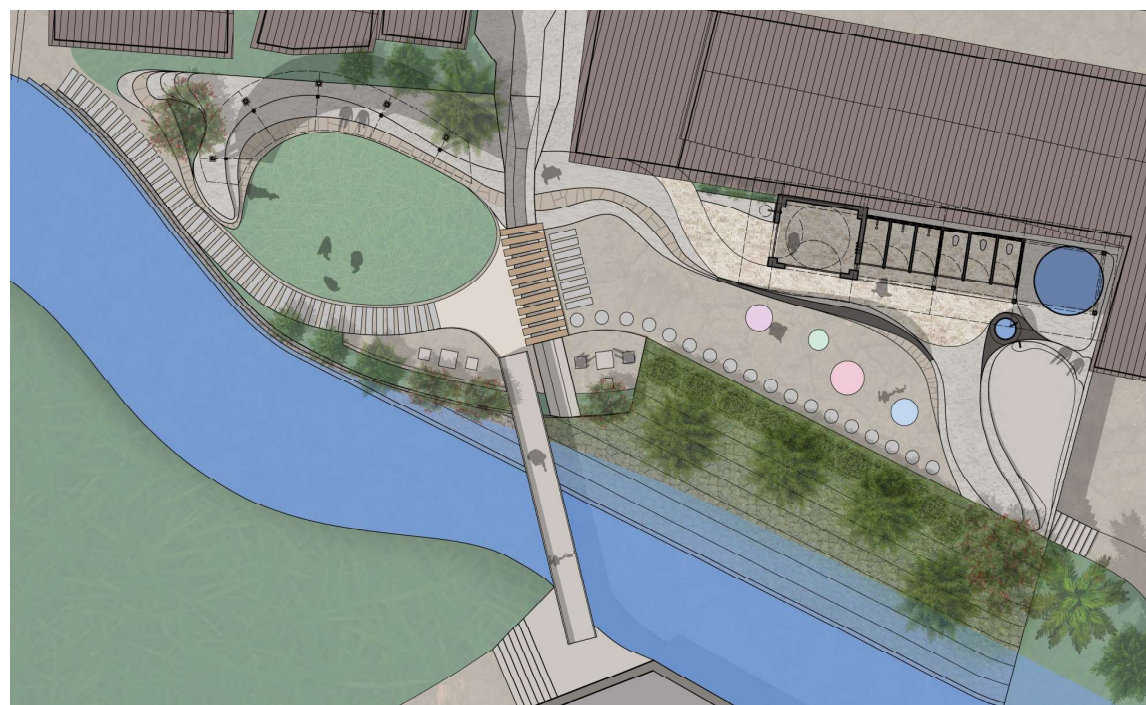
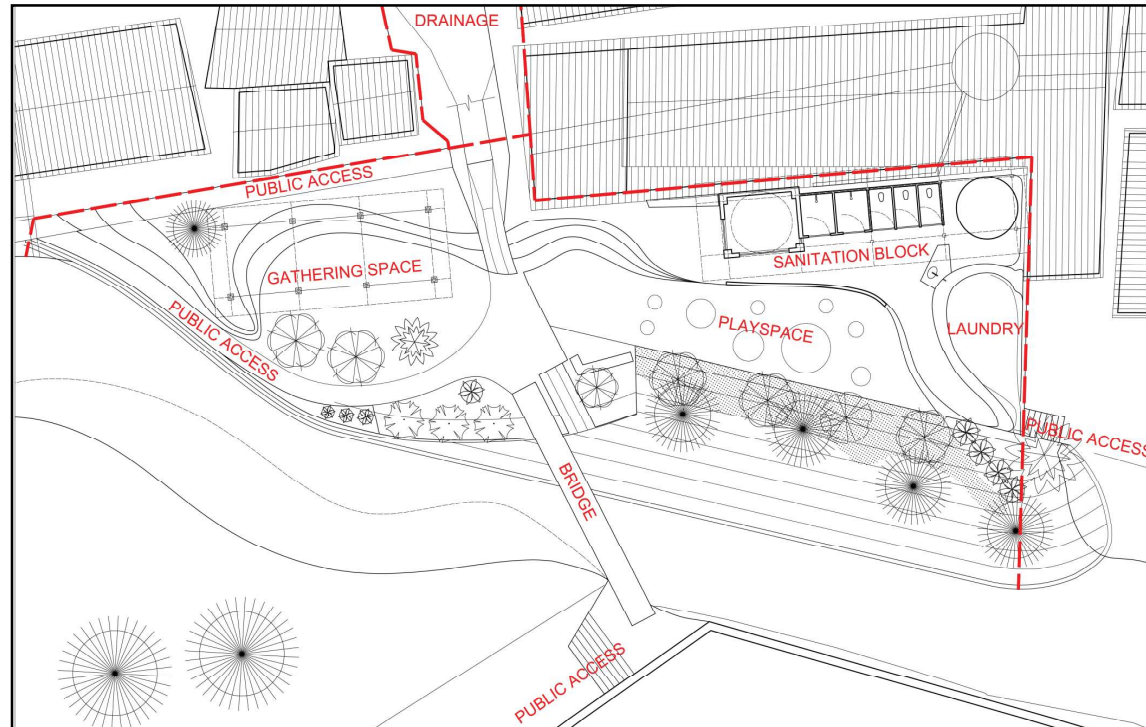
The residents of the Lindi neighborhood submitted their proposal in 2014, envisioning an inclusive public space that would also help reduce flood risk for area structure owners.

Through our choreographed agenda of community design workshops, residents crafted their constraints, agreed upon construction priorities, and established programmatic goals.



PRODUCTIVE PUBLIC SPACE

Nairobi, Kenya 2015



PRODUCTIVE PUBLIC SPACE

Nairobi, Kenya 2015



Productive Public Space #7, substantial completion in June, 2015



PRODUCTIVE PUBLIC SPACE

Nairobi, Kenya 2015

As our capacity to conduct effective [and accepted] community planning activities solidified, and our knowledge of localized flood risk increased, our team began to consider design challenges at broader scales. Working in partnership with Kenya's National Environmental Management Authority and the National Youth Service, we began working to establish negotiated, localized development standards within informal neighborhoods. Since my departure from KDI the team has carried on these efforts in consideration of other neighborhoods and settlements in and around Nairobi.





Democratic Republic of Congo

DESIGN AS GOVERNANCE The Democratic Republic of Congo 2013

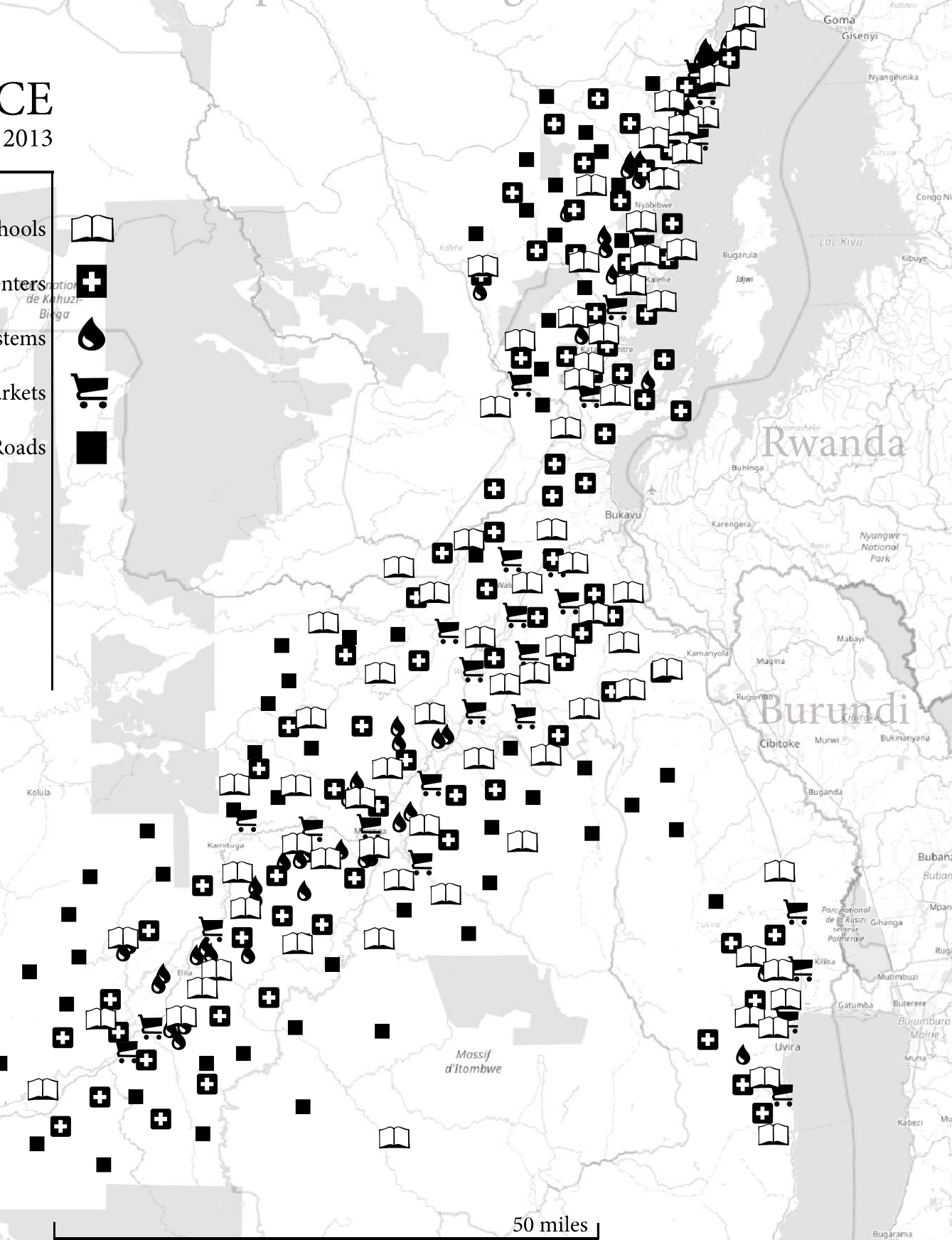
construction administration

Community Driven Reconstruction Manager
The International Rescue Committee

As the Post-Conflict Community Driven Reconstruction Manager in South Kivu with the International Rescue Committee I oversaw the design and construction of 290 community-scale projects across the province. These included schools, clinics, water systems, public markets, and road construction projects.

Managing my team of 30 Congolese engineers, I ensured that each community's desires were sufficiently incorporated into each design, and that our design decisions were clearly communicated in response. I also established budgeting tools for design iterations and responsive bills of quantity, administered contracts for each project, and developed schedules of values for funding requests from constructors.

- (73) Schools
- (58) Health Centers
- (56) Water Systems
- (32) Public Markets
- (71) Roads



DESIGN AS GOVERNANCE

The Democratic Republic of Congo 2013

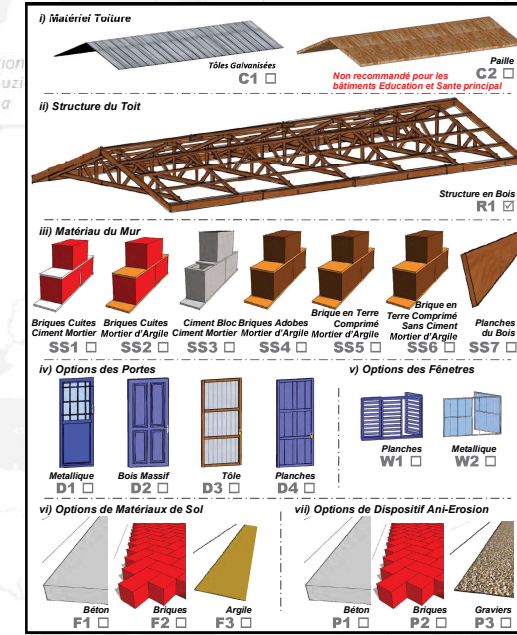
Quarum



Problem Definition



Design Prioritization



Solution Proposal



Type 1 – Briques Cuites / Mortier de Ciment



Type 2 – Blocs Ciment / Mortier Ciment



Type 3 – Briques Cuites / Mortier Argile, Pavement en Briques, Trottoir en Gravier

Type 1: 328 USD\$/m²
Type 2: 333 USD\$/m²
Type 3: 226 USD\$/m²
Type 4: 277 USD\$/m²
Type 5: 284 USD\$/m²

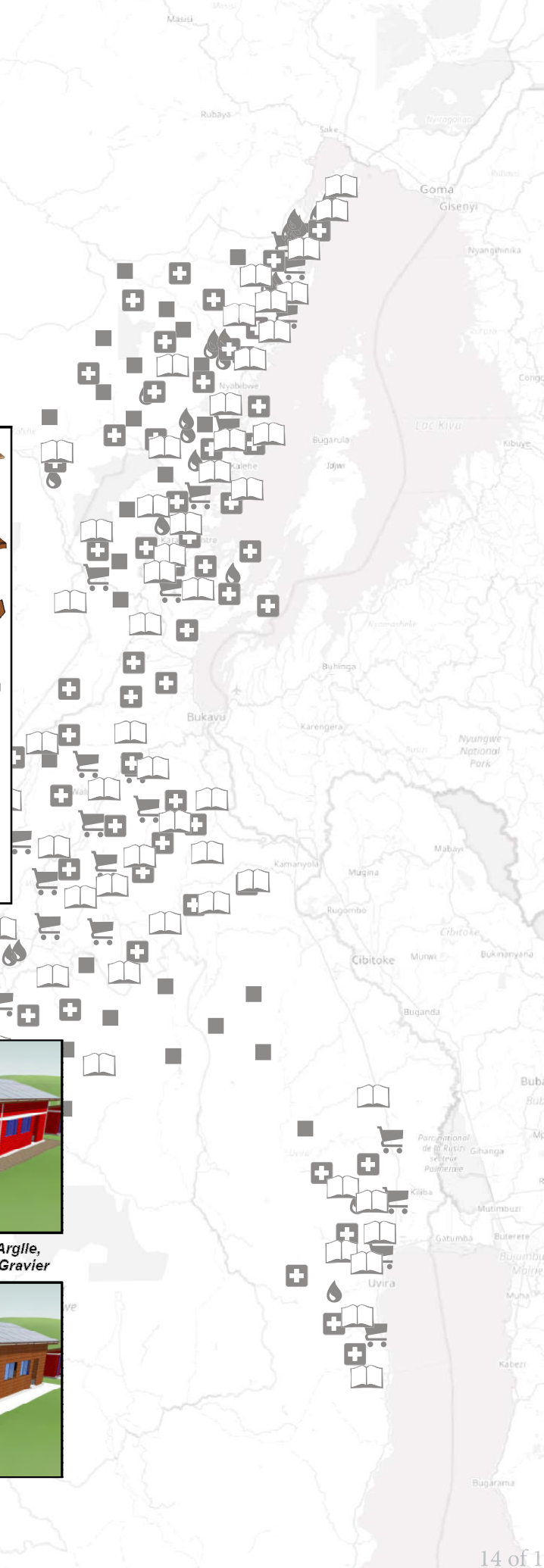
Prix Estimations – Novembre 2011 (Bukavu)
 Basee sur Ecole de Deux Classes +Eau +Latrines +Pupitres



Type 4 – Briques Adobes / Mortier Argile



Type 5 – Planches du Bois



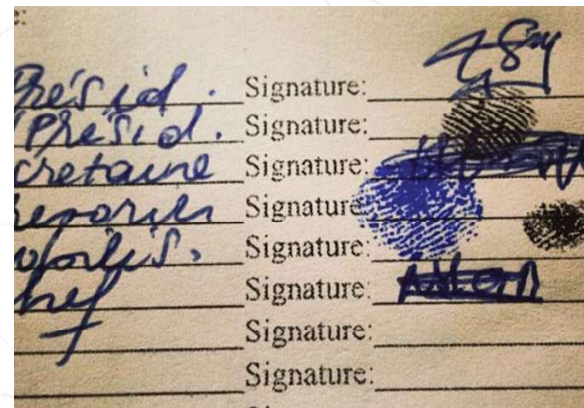
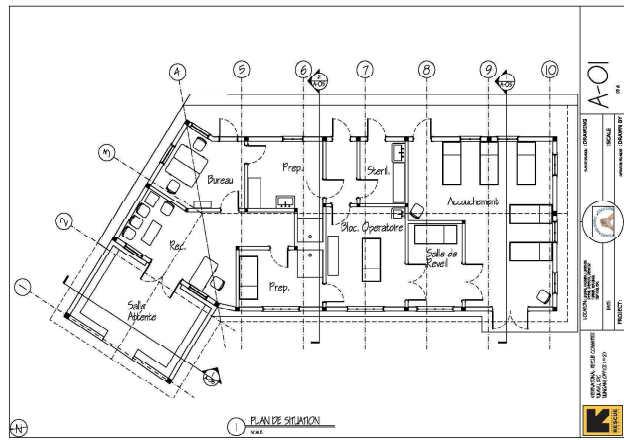
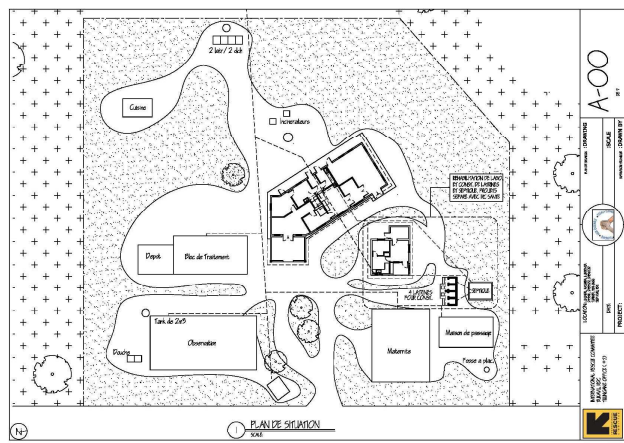
DESIGN AS GOVERNANCE

The Democratic Republic of Congo 2013

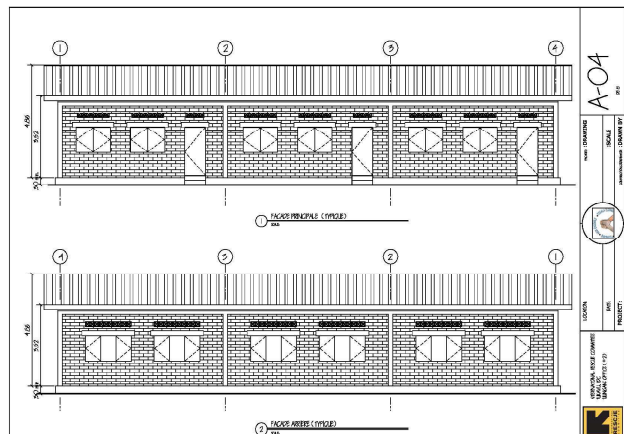
Construction Drawings

Contract Administration

Construction Management

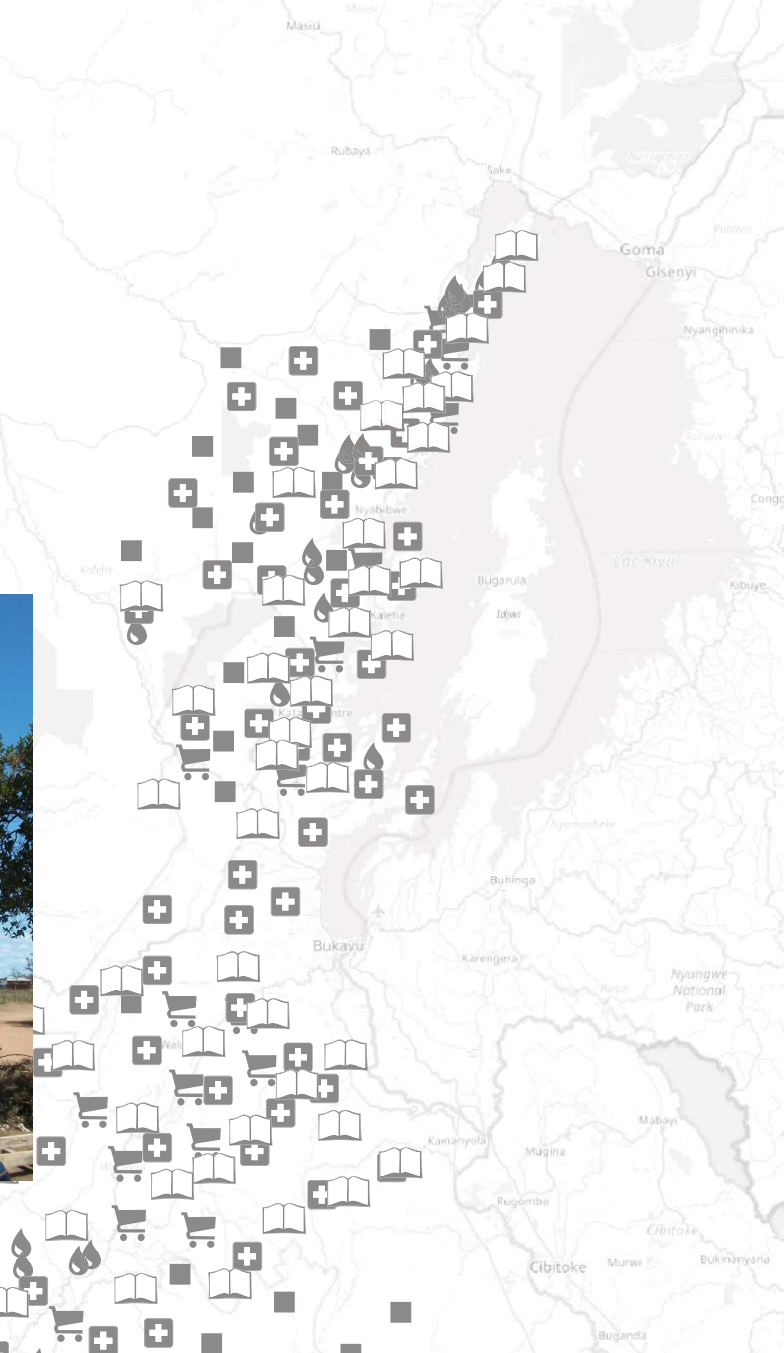


Substantial Completion



Mulama Primary School, Walungu Territory

Kalole Public Market, Mwenga Territory



ARCHITECTURE IN THE PRIVATE PRACTICE

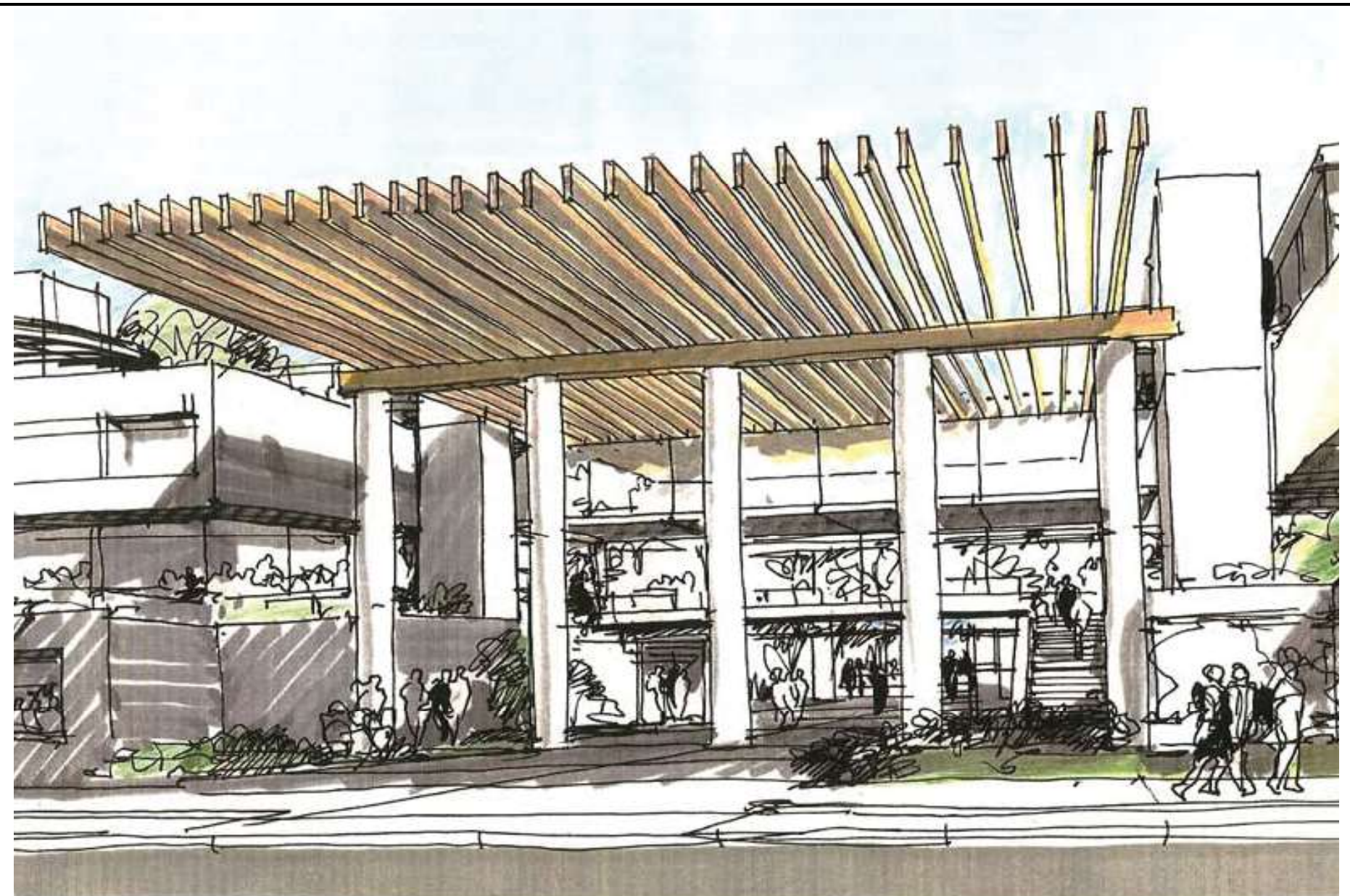
New York, NY

2005-2008

Architectural Designer
Rafael Vinoly Architects, Kiss + Zwigard Architects

Over the course of four years of professional practice in New York City I contributed to hospitality, residential, and higher education projects. The majority of my work extended between schematic design proposals and construction documents, with zoning approvals and building permits as recurring objectives.

Drawing upon this experience, I am as comfortable within the urban American environment as I am in the conventional architectural office.



Claremont McKenna College Humanities Building

Rafael Vinoly Architects

RFP 2006 (completed 2009)

ARCHITECTURE IN THE PRIVATE PRACTICE

New York, NY

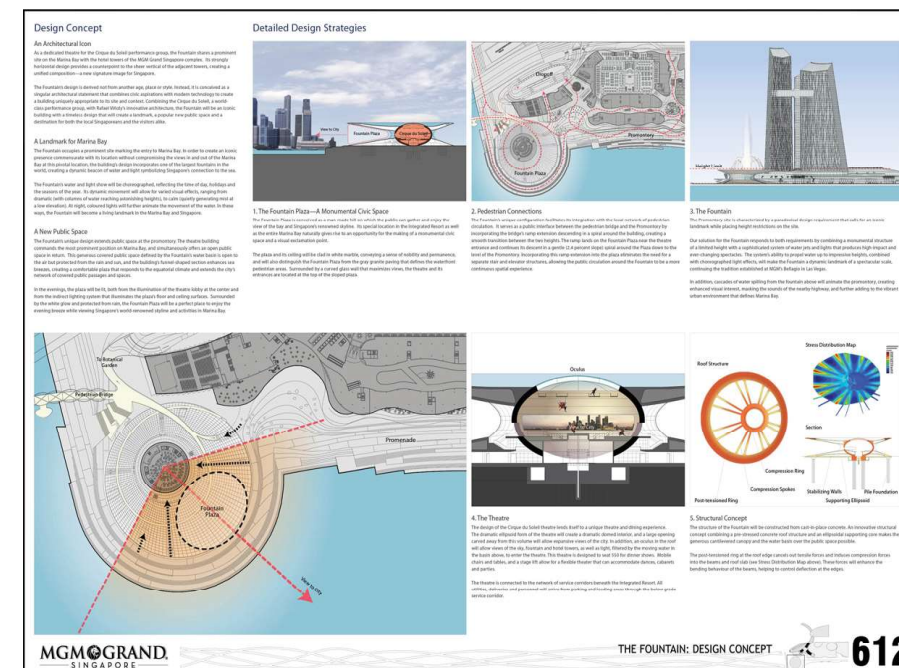
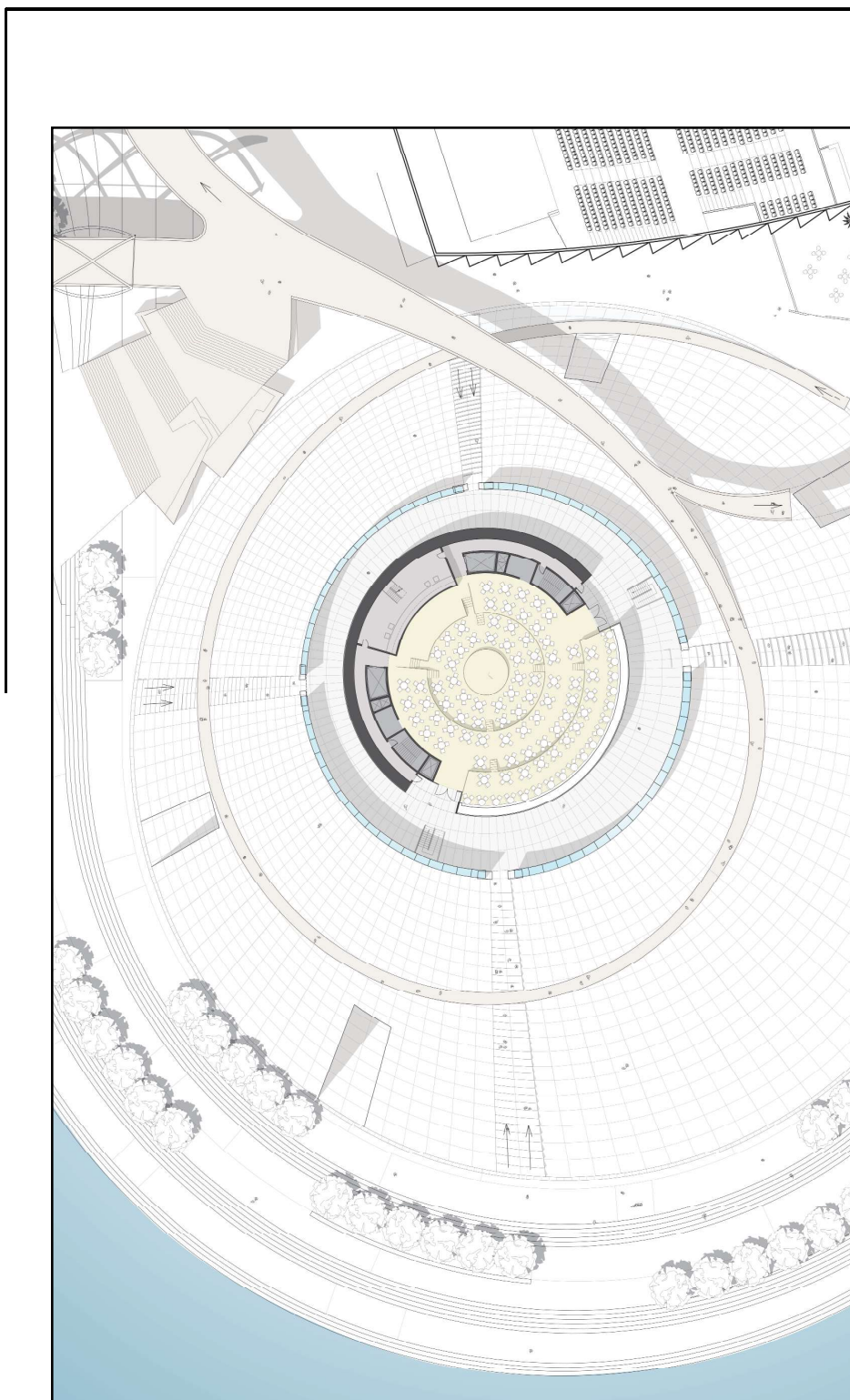
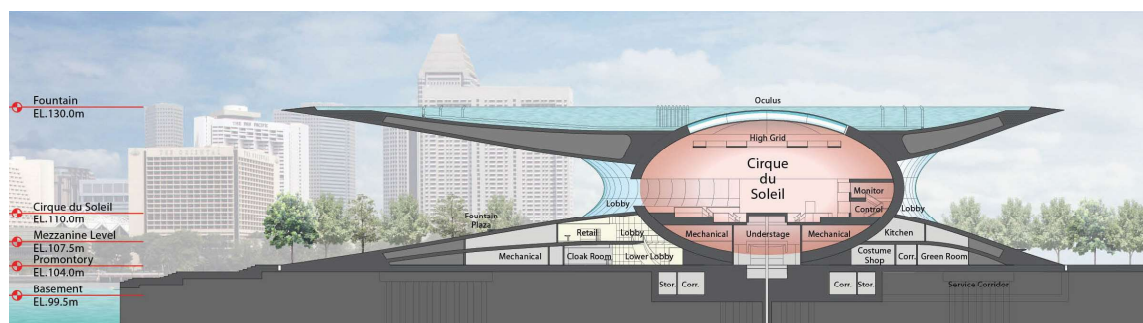
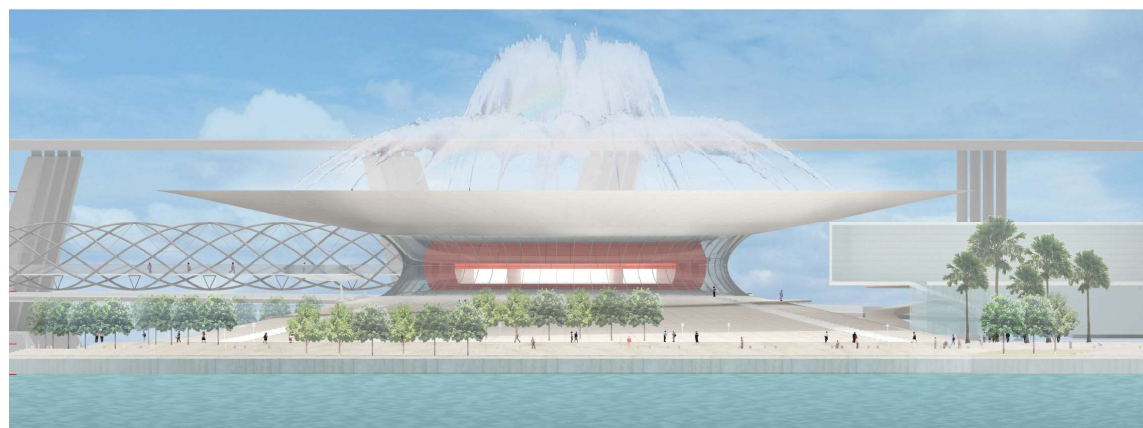
2005-2008

Architectural Designer
Rafael Vinoly Architects

This schematic proposal for Singapore's Marina Bay Development Authority was developed in partnership with MGM Grand and Cirque du Soleil.

As a junior designer I spent much of my time translating the firm principal's design intent into presentation level quality images such as these via Rhino, AutoCAD and Adobe Suite.

While this submission was well received by all investors, it was ultimately not selected. Still, this was my first large competition project as a professional where I was able to prove myself as a diligent, dependable designer.



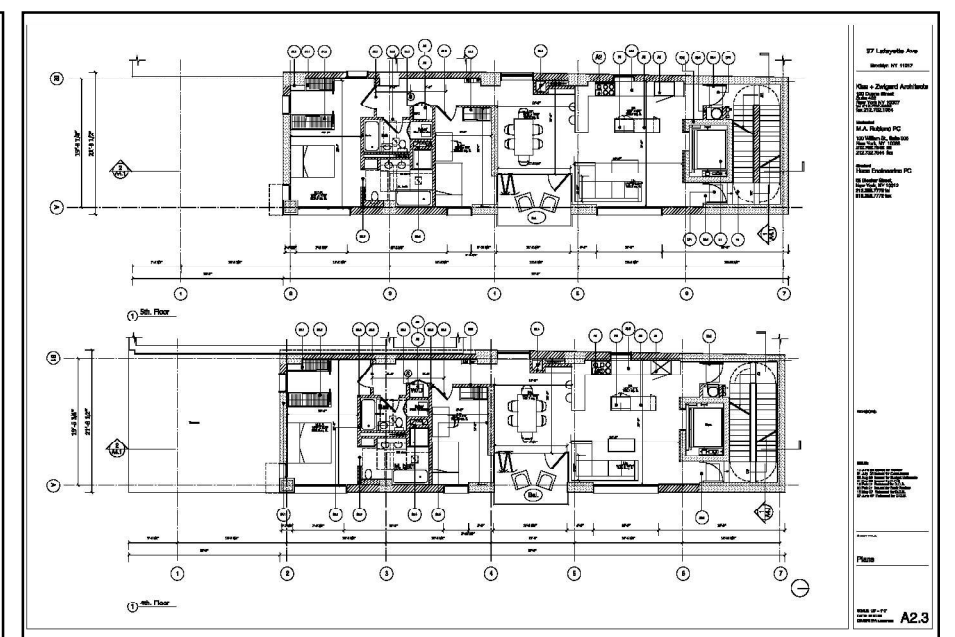
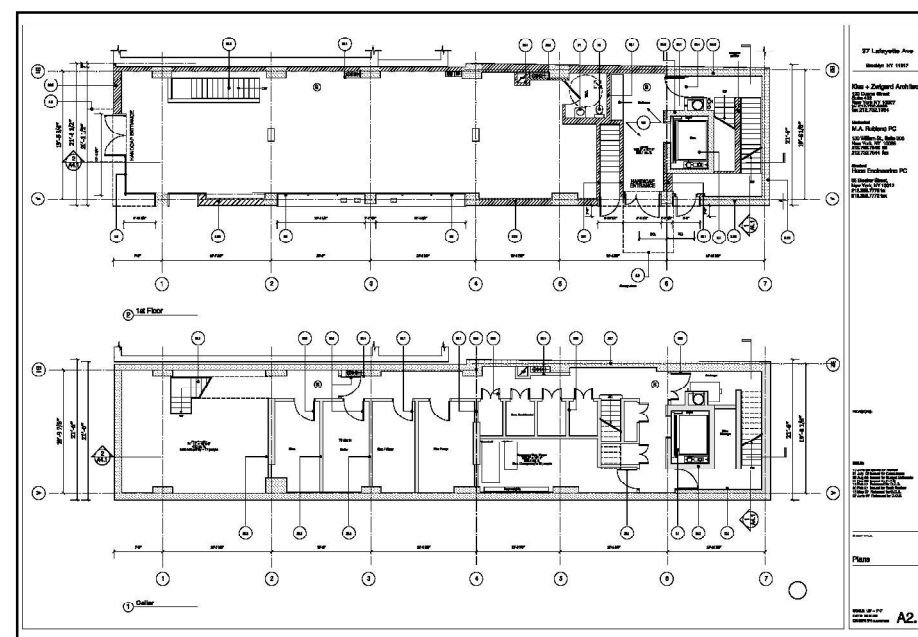
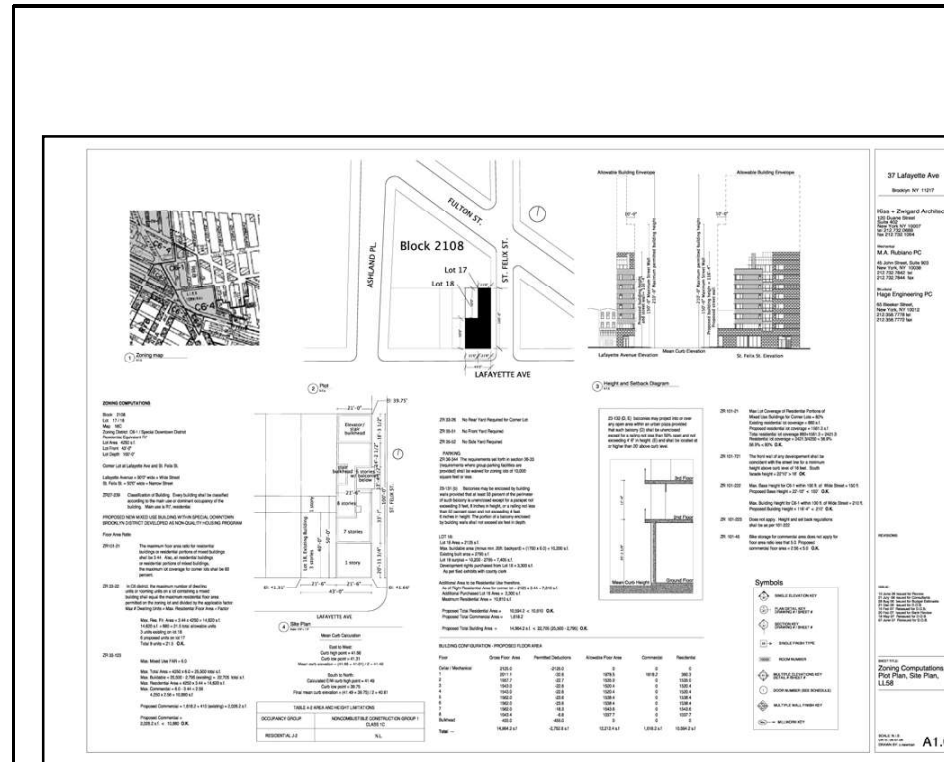
ARCHITECTURE IN THE PRIVATE PRACTICE

New York, NY 2005-2008

Project Manager
Kiss + Zwigard Architects

This eight-story LEED Silver residential tower at 30 Lafayette Street in Brooklyn extended my professional responsibilities into permitting and construction document development. Organizing regular communication between the expeditors, LEED consultants, the clients, and the firm principals, I moved this project through zoning and building department approvals towards finalized bid documents.

Due to skyrocketing property values in 2007, this vacant parcel and all project documents were sold to a new developer before bid documents were issued.



THANK YOU

Charles Newman CPHC, LEED AP, CPSI
CharlesNewmanDesigner@gmail.com
tel: 917.545.2346
Brooklyn, New York



I look forward to hearing from you.
I can be available for an interview at any time and would be
happy to share additional samples of my work.



Thank you for taking the time to learn about my work. I look forward to hearing from you and would be happy to begin a conversation about how we might be able to work together.

CHARLES NEWMAN CPHC, LEED AP, CPSI
CharlesNewmanDesigner@gmail.com
tel:917.545.2346