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of the design. Pointing upward, it symbolizes
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trends.

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not only serve a utilitarian purpose. A visual
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inspiration.

Representing the challenges that have been
conquered by architects through vision, ingenuity, and perseverance.

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Louise Chito B. Ranay, uap
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This magazine is published every year by the United Architects of the Philippines for the National Convention. This Magazine is available free-of-charge to convention delegates and sponsors. Limited copies will be available after the Convention at the UAP National Headquarters.

For questions, comments, and suggestions, please get in touch with the UAP Secretariat, 53 Scout Rallos St., Diliman, Quezon City, Philippines, telephone numbers (632) 412-6364, 412-6403, or fax number (632) 372-1796. You can also get in touch with us through email at uapnational@yahoo.com or access information through website: www.united-architects.org.
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Call your travel agent for more details.
My sincere greetings to the officers and members of the United Architects of the Philippines as you hold your 35th UAP National Convention.

I am optimistic that with your continued support and involvement, we will be able to implement our massive infrastructure project, which is part of our stimulus package to cushion the impact of the global financial crisis on our economy.

I hope that through your annual convention with the theme, “The Power of Architecture - Dream, Create and Transform,” you will be able to map out strategies that will respond to the challenges and opportunities facing your profession, thus making you more competent and equipped to perform your tasks.

The holding of the UAP Convention Exhibits (CONEX) 2009, as part this convention, is also timely as it will showcase the new technologies, innovation and trends in the construction industry.

May you have a fruitful convention and exhibit, Mabuhay!

Gloria Macapagal Arroyo
President
Republic of the Philippines
My warmest greetings to the officers and members of the United Architects of the Philippines (UAP) as you gather for your 35th National Convention and as you hold the UAP Convention Exhibits.

In more ways than one, the UAP has been a partner of our government in the effort to provide our countrymen, particularly the socialized housing and OFW sectors, with affordable, presentable and quality homes.

Thank you, UAP, for this partnership.

Let me also congratulate your Association for your dedication to the continuing professional advancement of your members. Your commitment to professional excellence not only helps the career of your members; it also assures our countrymen of high-caliber service from those who design our homes and vertical structures.

I wish you all the best as you hold your national convention. I also extend my welcome to all the guests and participants in your exhibit.

Mabuhay!

Republic of the Philippines
OFFICE OF THE VICE PRESIDENT

Noli “Kabayan” de Castro
Vice President
Republic of the Philippines
I would like to convey my warmest greetings to the officers and members of the United Architects of the Philippines (UAP).

I am certain that architects from all over the country are looking forward to participate in the 35th UAP National Convention on April 23-25, 2009 at the SMX Convention Center. This is an opportune time and venue to exchange ideas and insights and compare the latest in trends and technology in the construction industry. It is noteworthy that UAP is also holding the Convention Exhibits (CONEX) 2009 in conjunction with this event. With more than 200 manufacturers and suppliers participating in the CONEX, the public will have a better appreciation of the industry, the challenges confronting the industry players, and the possible solutions thereto in order to strengthen and develop the practice of architecture and other related professions here in our country.

I wish the organizers and participants a very productive and successful 35th National Convention. More power to the United Architects of the Philippines!

JUAN PONCE ENRILE
Senate President

Republic of the Philippines
SENATE
My warm greetings to the Officers and Members of the United Architects of the Philippines (UAP) on your 35th National Convention this April 23-25, 2009 at the SMX Convention Center, Pasay City, with the theme: “The Power of Architecture – Dream, Create, and Transform.”

I would like to congratulate all the members of the UAP National Board of Directors, your Past Presidents and Officers, and the more than 2,000 Filipino registered and licensed architects nationwide who will be participating in this national gathering.

Moving the issues of environmental sustainability into the mainstream has been a significant development in the architecture profession. May you faithfully integrate sustainable principles of environment into your projects.

I wish that you will all have a great time in your 35th National Convention.

Mabuhay kayo!
I extend my most cordial greetings to the officers, members and staff of the United Architects of the Philippines (UAP) on your 35th UAP National Convention on April 23-25, 2009 at the SMX Convention Center, Pasay City.

Your theme, “The Power of Architecture – Dream, Create, and Transform” is a strong and reassuring indication of your dynamism and why your organization was thrice recognized as the Most Outstanding Accredited Professional Organization by the Professional Regulations Commission (PRC).

Your commitment to showcase the new technologies, innovation and trends in the architectural field through your “UAP Convention Exhibits (CONEX) 2009” is commendable. I am assured that your more than 2,000 members/delegates and 300 participating manufacturers/suppliers will benefit from this event and will infuse more efficiency and creativity in the practice of your profession.

We in the House of Representatives have crafted and approved the P1.415-trillion national budget for 2009 with greater emphasis on education, nationwide infrastructure spending, social services and funding stimulus to reinvigorate the economy.

We are likewise committed to fostering performance, transparency and accountability through quality reform legislation so that we can raise the quality of life of our people. Let us sustain the gains we have painstakingly achieved and spread its benefits to benefit our countrymen throughout the archipelago.

I call on UAP’s greater participation as we find solutions to help our country thrive in the face of global economic challenges.

Mabuhay!

PROSPERO C. NOGRALES
Speaker of the House
Many associate architecture with nothing more than the design of structures. It is often thought of as a field that relates to the aesthetics alone – how a building, a bridge, or a house will look like. But the significance of architecture is so much more than appearance alone. In the heart of every architect should be the people, the human population, who will be working in that building, crossing that bridge, and most ultimate purpose, it seems to me, must be the improvement of mankind.

Architecture is one of those professions where brilliance stems out of love. It is a profession where one strives out of his or her desire to create the greatest ambiance possible in the celebration of life. That is what architecture is about – it is not only about designing, but about designing for the people, who just like the architects are journeying through life.

In the 35th UAP National Convention, it is my hope that you would all continue to stay true to your profession. Poor architecture is an injustice to the people who are in pursuit of happiness. It is an injustice to the people who embrace life and have vowed to live to the fullest. Thus, it is a profession of excellence, because the human population demands and deserves nothing less than the best.

Take this opportunity of meeting your colleagues to exchange ideas and experiences to build better buildings, bridges, and homes for all types of people, whatever their needs may be. One of the most famous architects, Frank Lloyd Wright once said that “all fine architectural values are human values, else not valuable.” Indeed, how can we all call something beautiful when it does not have a human touch? With this, I wish you all the best as you Dream, Create, and Transform.
The most enduring legacies of the greatest civilizations of the past are their colossal monuments, buildings and infrastructures – the outstanding works in architecture.

We are proud that we have in our country outstanding talents who have embraced the demanding and exacting profession of architecture. Architects must have special gifts for art and composition, for planning and precise execution.

We join the United Architects of the Philippines as it holds its 35th National Convention. We are confident it will continue to enhance the high respects that their profession has established and earned.

FELICIANO BELMONTE, JR.
City Mayor
My warmest felicitations to the men and women of the United Architects of the Philippines (UAP) on the occasion of its 35th UAP National Convention to be held at the SMX Convention, Pasay City, from April 23-25, 2009.

The group’s theme, “The Power of Architecture – Dream, Create, and Transform,” is thus very significant as it brings into focus our architects’ prowess in designing structures that are par with the international community.

The progress of a country is defined by its buildings and edifices. In essence, our architects are essentially nation builders.

It is truly an honor for us Pasayenos to be part of the UAP Convention Exhibits (CONEX) 2009 which also coincides with the group’s national convention.

To our beloved architects, more power!
Aim high and Mabuhay!
Greetings!

May I congratulate the United Architects of the Philippines on their 35th UAP National Convention. I welcome you to our beloved City. Your theme “The Power of Architecture – Dream, Create, and Transform” is the call of our times. Right here in Pasay, growth areas like the reclamation area and the new port city in Villamor Air Base are perfect examples of modern architecture at its best. More and more constructions are being planned and this is a challenge to your group. I hope that it will inspire you to come up with modern designs attuned to present and future concepts on our way to the 21st century. I am confident that it will.

Again my congratulations to all of you and more power.

JOSE ANTONIO F. ROXAS, M.D.
Congressman
Best wishes to all the officers and members of the United Architects of the Philippines for your celebrations at the 35th UAP National Convention from 23 to 25 April 2009. Your theme this year of “The Power of Architecture – Dream, Create, and Transform” will give all the delegates an amazing opportunity to really examine and debate these issues and to encourage them to understand how to present and share architecture with the community to ensure that they can enjoy sustainable environments together.

LOUISE COX
UIA President
Warmest greetings to the United Architects of the Philippines on the formal opening of your 35th National Convention.

I take this opportunity to commend the UAP for its foresight in choosing its theme, “The Power of Architecture – Dream, Create, and Transform”. As the world comes to grips with the harsh challenges of global warming and climate change, there is now an urgent need for all the Professions involved in the built and natural environments to confront new paradigm shifts. It is heartening to witness how the UAP is rising to meet these new challenges by holding this convention. I urge the members of the UAP to participate with energy and enthusiasm in all the discussions and to welcome with open minds the developments in construction and architecture that will be revealed in this forum. It is my hope that this Convention will provide our Architects with tools and create structures that will not only offer shelters for our people but also enable them to be productive and proactive citizens of our country.

I am confident that this Convention will empower our Architects to adopt fresh perspectives in the quest for solutions to the architectural challenges of the 21st century. I wish the UAP success in this Convention and in all its future endeavors.

NICOLAS P. LAPEÑA, JR.
Chairman

Republic of the Philippines
PROFESSIONAL REGULATION COMMISSION
It gives me great pleasure to offer my warmest felicitations to the United Architects of the Philippines as you embark on your 35th National Convention.

The UAP has a special place in the annals of the Professional Regulation Commission, having earned the title of Most Outstanding Accredited Professional Organization an impressive three times. This is a testament to the inspiring leadership and commitment that the UAP has demonstrated towards the Architecture Profession in its history.

As an academician, I personally welcome the UAP’s continuing initiative in holding its 35th National Convention and its choice of the theme “The Power of Architecture – Dream, Create, and Transform.” Doubtless, this Convention will serve as a lively forum for strengthening the educational objectives of the UAP. This event supports the PRC’s own mission of promoting Continuing Professional Education among all the Professions.

It is my hope that the members of the UAP will take advantage of this opportunity to build strong linkages with their colleagues, forge greater unity and, together, continue to transform Philippine Architecture as a dynamic and responsive profession.

Mabuhay kayong lahat!

NILO L. ROSAS
Commissioner
Warmest felicitations to the United Architects of the Philippines as you open your 35th UAP National Convention and UAP Convention Exhibits (CONEX) 2009.

It is a pleasure to extend the warm hand of comradeship to one of the oldest professional organizations in our country and the first to have been accredited by the Professional Regulation Commission. The PRC and the UAP have developed and continue to enjoy bonds of cooperation and fraternity that go back many years.

I welcome your theme of “The Power of Architecture – Dream, Create, and Transform.” This theme resonates with the energy, vision and strong sense of purpose that has characterized the UAP as a professional organization. I am confident that this event will provide a valuable venue for our architects to update their knowledge on current developments in architecture and construction, particularly in the context of global warming and climate change.

I particularly look forward to the vast opportunities offered by this Convention and Exhibit to enrich the Continuing Professional Education of our architects. I wish the UAP a successful Convention and many more years of significant contributions to Philippine Architecture.

RUTH RANA-PADILLA
Commissioner
Warm greetings to you all!

I and the two (2) Members of the PRBoA, namely Architects Angelina T. Chua Chiaco, fuap, and Marietta B. Segovia, uap, congratulate the United Architects of the Philippines (UAP), the integrated and accredited professional organization of architects (IAPOA), and the UAP-IAPOA officer corps, particularly the National President, Architects Medeliano T. Roldan, Jr., fuap, apec ar, the Commission on Conventions & Conferences, led by Roger T. Ong, uap, and the Convention Director Richard M. Garcia, uap, on the occasion of the 35th UAP National Convention, with the theme “The Power of Architecture – Dream, Create, and Transform,” to be held on 23-25 April 2009, at the SMX Convention Center in Pasay City.

It is the PPBOA’s express wish that many more areas of cooperation between the PRBoA and the UAP-IAPOA shall be opened in the remaining months of the UAP fiscal year, and that these are kept evolving and moving forward in order to help attain our shared primary goal of the full implementation and enforcement of Republic Act No. 9266 (The Architecture Act of 2004), a valid and subsisting special law, its implementing rules and regulations (IRR), which both specifically limit the signing and sealing of architectural documents only to registered and licensed architects (RLAs), as well as their derivative regulations such as the issued 2007 & 2008 PRBoA resolutions governing architectural firm registration, the issuance of temporary/special permits (TSPs) to foreign architects (FAs) practicing in the country and the accreditation of continuing professional education (CPE) providers and programs for RLAs.

It is also the wish of the PRBoA that it is able to receive the full and continuing UAP-IAPOA support on the current and future PRBoA initiatives toward this end, particularly the matter of identifying, monitoring and holding accountable the many different violators of R.A. No. 9266, which may also include other state-regulated professionals such as certain civil engineers (CEs), unregistered persons (posing as RLAs), national and local government officials and offices (who actively encourage if not abet R.A. No. 9266 violations), some developers/contractors/local clients/foreign entities and even certain RLAs or registered architects (RAs), who all continue to defy the law and to hurt the architectural profession and its upright practitioners. We nonetheless rejoice and are most thankful for the many victories we have had in the past year/s and look forward to more successes, particularly in the legal arena.

Again, the PRBoA extends its heartfelt congratulations and wishes of continuing success to the UAP-IAPOA, its incumbent officers, and to all of you in attendance!

May the Lord bless us all and the resurgent architecture profession as well. Mabuhay ang Arkitektong Pilipino!!! Mabuhay kayong lahat!

ARMANDO DOMINADOR N. ALLÍ, fuap
Chairman
On behalf of the United Architects of the Philippines, it is with extreme pleasure that I extend my warmest greetings and my best wishes to all the delegates, participants, organizers, exhibitors and sponsors of the 35th UAP National Convention and Convention Exhibits 2009 to be held on April 23-25, 2009 with the theme: “The Power of Architecture: Dream, Create, Transform”.

Why the power of architecture? Unquestionably, outstanding works of architecture contribute significantly to the creation of distinctive cities. Excellent architecture is not only a beautiful piece of art to behold, but can bring in real benefits in the area of architecture tourism, or enhancement in property values. It distinguishes a distinctive city from the mundane, and reflects an appreciation of quality and creativity among the city’s inhabitants.

Cities that aspire to be distinctive seek the skills of established architects in achieving this vision. Filipino architects have achieved international recognition through creativity and hard work. The fact that Filipino architects are able to transcend geographical boundaries to leave their mark of distinction demonstrates that there is no barrier for architects who possess outstanding competencies, and this reflects the power of architecture.

Further, as globalization continues to dictate and affect market trends and despite the new scope of our operating environments, the one thing remains unchanged is public expectation of Filipino architects. Nothing but the highest standards will do. Architecture is responsible for developing and promoting high quality and consistent professional standards. Integrity and ethics are strong fundamentals upon which the architecture profession is built and this is a message of this convention with reference to the power of architecture.

Lastly, a key element derived from this convention is inspiration - it strives to inspire, and be inspired. It promotes professionalism. It imparts a vision. It strives for excellence. Likewise, we too are inspired and totally dedicated towards presenting a highly professional and educational meeting here at SMX Convention Center. Welcome!

MEDELIANO T. ROLDAN, JR., FuAP
UAP National President
Greetings!

For and on behalf of the UAP National Board of Directors and the Office of the National Executive Vice President, I would like to greet and welcome the delegates and participants during the 35th National Convention of Architects and the Convention Exhibits 2009 from April 22-26, 2009 here at SMX Convention Center.

I would like to extend my sincerest appreciation to the organizers of both the Natcon 35 and CONEX 2009 for the enormous amount of work they have done to reach where we are today, and of the contribution of all the members who have been working how to move forward together.

With this year’s theme “The Power of Architecture: Dream, Create and Transform”, it reminds us of the role architecture played in shaping the built environment that goes far beyond the individual building, which describes architecture profession as a hybrid that mixes together the high standards of technique, technology and expertise and merges it with the artistic talent that feeds on the beauty of innovation, creativity, style and elegance.

There is no denying that architecture is a demanding profession. It deals with many of the important issues in today’s society, for instance exploring new ways of living, investigating new technologies and material and ensuring that what we build is environmentally sustainable. But most of all it involves designing that people are happy to look at and to use.

However, in a competitive, changing environment the architecture profession must continue to find ways to serve the public effectively to ensure its continued relevance and leadership in the delivery of architectural services, to “be the best”.

Hence, in this convention, we are tasked to move forward, in a carefully planned strategic fashion—as we draw together our vast strengths and expertise and marshal our resources in ways that will fulfill our potential for contribution and impact across the Philippines’ built environment.

Hopefully you will enjoy this convention. There will be plenty to keep you busy and entertained, but, let us not forget the true mission ahead. Let us keep up the fight for our right as registered and licensed architects, and let us be the voice of reason, let us go where we have never gone before, and let us continue to dream, create and transform.

Maligayang Pagtitipon at Mabuhay ang UAP!

RAMON S. MENDOZA, fuap
UAP National Executive Vice President
Benchmarking Excellence:
A Legacy Synonymous to the Roldan Administration’s Brand of Selfless Acts of Service

‘To benchmark is to set a standard, to set excellence as a standard is creating a tradition.’ I have always been one with the dream of the United Architects of the Philippines more than thirty years ago: simply to fulfill its founding fathers’ “all-consuming goal to bring about the unification of Filipino architects.” Five years ago today, The Architecture Act of 2004 altered that age-old landscape of indifference among fellow architects. The rest of course is history that continues to unravel before the eyes of many in the building industry. Though the Filipino Architect is still embattled today he remains resilient and focused on his direction to glory.

Countless but significant years have passed since 1975 and how time flies indeed! Nowadays, the country’s emerging crop of architects can be found not only in the concrete and steel jungle of corporate Philippines but in countless growth and emerging areas spreading around the Asian, European and American continents. These are new breeds of movers and shakers, industry players that constantly strive to discover innovative agenda to strengthen the profession’s hold in today’s very complex development collaborations.

With the advent of Republic Act 9266, specifically Article V Section 40, this profession has closed-in on ultimate but productive integration coupled with sincere cooperation. It has also been able to develop mutual instruments of harmony and goodwill within and outside the organization. These have been extended as instruments of change by the UAP’s network of selfless workers to trusted industry partners and allies.

The Office of the Secretary General is very optimistic that the 35th UAP Annual National Convention and Business Meeting will be able to provide a great canvas to showcase the great, life-changing achievements of the organization. I have seen this administration bring many of us to the threshold of a unique development where we are given every chance to grow and to relish the value of genuine public service. The theme “The Power of Architecture – Dream, Create, and Transform” is a fitting tribute to an endless quest to better our lives.

There is a larger fundamental responsibility for us architects that should always be put to light. These are the drive to do better over what happened in the recent past, and the belief in one’s ability to change them in one’s lifetime.

My best wishes and inspirations go to the great men and women of the organizing committee headed by the very dynamic Convention Director Richard Garcia and ably guided by a great worker, in the person of Honorary Chair Medeliano ‘Boy’ Roldan, Jr. The organization will forever be grateful to you.

Mabuhay ang UAP! Mabuhay ang Arkitektong Filipino!

GIL C. EVASCO, uap
UAP Secretary General
Greetings to the Members, Chapter Officers and the 2008-2009 National Board of Directors of the United Architects of the Philippines on the occasion of the 35th UAP National Convention!

The UAP College of Fellows congratulates the laudable performance of National President Medeliano T. Roldan, Jr., fuap, the National Officers, the National Board of Directors and the Executive Directors 2008-2009 in their dedicated efforts to uphold both the highest ethical standards and level of excellence of architecture in the Philippines.

This year’s theme “The Power of Architecture: Dream, Create and Transform” is a timely and relevant dialogue to the realities of the world today. The imagination and creativity of the architect gives him the power to influence and transform for the better environment around him. His architecture creates a tremendous impact to the quality of life of the people who use his built-creations.

The achievements in the practice of architecture by the members of the UAP College of Fellows affirm the special gift of the architect and his meaningful contribution to society as a whole. We, the Jury of Fellows, Officers and Members of the UAP College of Fellows take pride in presenting during the 35th National Convention six (6) outstanding architects as new members of the College of Fellows.

It is also our distinct privilege to have a highly respected former Chancellor of the College of Fellows with a tremendous contribution to the UAP and the profession – UAP Charter President Norberto M. Nuke, fuap – conferred the Likha Award, “the highest distinction that may be bestowed upon a Fellow of the United Architects of the Philippines”.

May the UAP College of Fellows in collaboration with the members and officers of UAP continue in maintaining the integrity of the standards of the architectural profession in the Philippines!
It is with great honor and privilege that I extend my sincerest gratitude to the delegates and allies of the United Architects of the Philippines as we celebrate the 35th National Convention of Architects at the SMX Convention Center from April 22-25, 2009.

There is no discounting the important role that architects play in the building of a nation, for we provide the designs and concepts that make for well-planned communities and projects that stamp character and the mark of progress in the urban setting – an explicit invitation to prospective clients that will open more windows of opportunities for further business activity, which will translate to a livelier economy and a better life for the populace.

At no better time is the organization expected to play this role to the fullest than today when the country is taking off anew in its quest for that elusive long-term prosperity for its citizenry.

May this conference, therefore, impart the desired skills and competency as we look forward to more shining moments for Filipino architects. With the concerted efforts of the organizing committee, we can confidently meet the future with dedicated, competent, ethical and socially-responsible professional architects.

Mabuhay tayong lahat!

ROGER T. ONG, uap
Executive Director
Commission on Conventions and Conferences
On behalf of the Organizing Committee of the UAP Convention Exhibits (CONEX) 2009, I am very pleased to welcome you all to the 35th UAP National Convention and its grandest exhibition, the CONEX 2009.

As we celebrate the 35th year of this gathering, this year’s CONEX aims to support our friends in the construction industry by developing an appropriate market setting to enhance their sales productivity, open such opportunity to the public with an accommodating place for interaction, renewing contacts with clients, winning new clients, generating market presence, launching products, raising product awareness, sharing information, ascertaining client needs, influencing client decision-making, and finally closing deals.

I hope that the synergy arising from this exhibition will energize current activities as well as spur further professional relationship among allies. I hope what has been planned will make the next few days enriching and worthwhile for you. I am looking forward to joining you at some more of the events during the convention and exhibition.

Finally, I wish to express my gratitude to the sponsors, exhibitors, donors, delegates, guests and visitors of the conventions and exhibitions, especially to our friends in the construction industry which have enabled the smooth implementation of the events.

We look forward to seeing you here at SMX Convention Center.

JOENEL C. KHO, uap
Director, CONEX 2009
It gives me enormous pleasure to invite you to the 35th UAP National Convention. This is the culmination of a five month long preparation. In line with this year’s program is the theme: “The Power of Architecture – Dream, Create, and Transform.”

We have gathered local and foreign experts as speakers for the plenary to discuss and address recent issues, topics that are relevant and useful in our Architectural profession. At these times of uncertainty, events as big as CONEX and the UAP National Convention are extremely important not just because of business opportunities but also to expand relationship, networks and for professional updating. These discussions will help us reflect on how Powerful Architecture really is.

From a DREAM where all our visions and creative juices flow, we CREATE innovative designs that come to life right before our very eyes. Suddenly, we TRANSFORM - seeing how our developments affect its surroundings. This year we are holding our National convention at the most critical point in global history but we shall face these challenges and turn these obstacles into opportunities.

We have also lined up three special night events, first, experience Las Vegas on our Welcome Dinner sponsored by TOTO, a romantic Honor Dinner and Awards Night with UAP Fellows and highlighting the event is the Grand Fellowship Night with our mega sponsor Davies Paints. These events shall feature entertainment from famous artists and dancers and a rare performance from our very own roster of equally talented UAP members.

I wish to thank our sponsors and partners in the industry for supporting us in this momentous event as well as all my colleagues in the Organizing committee, UAP National board, UAP National secretariat who have worked so hard to make this annual convention a memorable success.

Finally, to all the delegates and guests, I welcome you all to the 35th UAP National Convention and experience the “out-of-the-box” convention.

Mabuhay and heads up Arkitektong Pinoy!

RICHARD M. GARCIA, uap
Director, 35th National Convention
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Rialino M. Alisbo, uap
Vice President, Area C

Prospero A. Abellano, fuap
Vice President, Area D

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Secretary General

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National Treasurer

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Chancellor, COF

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District Director, A1b

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District Director, A2a

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District Director, B3

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District Director, B4

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District Director, B5

Alan G. Choachuy, uap
District Director, C1

Moises L. Abellera, uap
District Director, C2

Paul L. Conde, uap
District Director, C3

Julio A. Alabot, uap
District Director, C4

Florizel C. Chavez, uap
District Director, D1

Roel C. Cadungog, uap
District Director, D2

Richard J. Tan, uap
District Director, D3

Rolando B. Lim, uap
District Director, D4

SMX Convention Center • Seashell Drive, Mall of Asia Complex, Pasay City, Philippines • 23-26 April 2009
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The Power of Architecture
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Leah Ybañez Martín, uap
Commission on Education

Cristopher S.P. Espina, fuap
Professional Development Commission

Herminio R. Prudente, fuap
Commission on Governmental and External Affairs

Pamela N. Amador, fuap
Commission on Internal Affairs

Robert Benedict C. Hermoso, fuap
Sentro ng Arkitekturang Filipina

Roger T. Ong, uap
Commission on Conventions and Conferences
35th UAP National Convention
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The Organizing Committee

Minerva Cabrera-Rosel, uap
Opening Ceremonies/Seminar - A
Diliman Chapter

Annie C. Pugeda, uap
Tripartite Network Meetings/CODHASP Business Meeting
Manila Centrum Chapter

Roselle V. Santos, uap
National Board Meeting
Barasoain Chapter

Rowena C. Ramos, uap
Chapter President Assembly
Manila Makati Chapter

Bibiiano A. Lazande, Jr., uap
Convocation of College of Fellows
Honar Dinner & Investiture of New Fellows
QC Central Chapter

Mynisce Michelle H. De Guzman, uap
Seminar - A
QC Central Chapter

Ma. Lorna L. Plata, uap
Seminar - C & D
Bibligical Chapter

Techie Rose O. Espiritu, uap
Seminar - E & F
Rizal-Kalayan 100 Chapter

Juanito A. Vinta, uap
Lunch & Candidates Forum,
General Assembly and Annual Business Meeting
Rizal - Taytay Chapter

Jocelyn R. Lupa, uap
Elective
Manila Sto. Mesa Chapter

Marian Ellen T. Florentino, uap
Eucumenical Mass (Opening and Closing)
Quezon City Chapter

Omar C. Palero, uap
Welcome Dinner/ Fellowship Night
Manila Corinillian Chapter

Lara B. Rivera, uap
Chair, Finance
Makati CBD Chapter
35th UAP National Convention
The Power of Architecture
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The Organizing Committee

Kenneth G. Chua, uap
Chair, Sports
Manila Metro Chapter

Elbert Michael C. Begonia, uap
Event Coordinator, Sports (Basketball/Badminton)
Greenhills Chapter

Jonathan A. Baliyot, uap
Event Coordinator, Sports (Bowling/Billiards)
Member, Security
Quezon City Chapter

Jerome A. Galarpe, uap
Event Coordinator, Sports (Golf)
Quezon City Chapter

Mariln Eileen T. Florentino, uap
Chair, Reception and Protocol
Quezon City Chapter

Minerva Cabrera-Rosel, uap
Deputy Chair, Reception and Protocol
Bilateran Chapter

Voltaire V. Vitug, uap
Chair, Security
Quezon City Chapter

Albert Reyes, uap
Member, Security
Manila Metro Chapter

CONEX 2009

Joenel C. Kho, uap
CONEX Director
Manila Metro Chapter

Jonathan O. Gan, uap
Member, Marketing
Manila Metro Chapter

Philip C. Recto, uap
Member, Marketing
Makati City Chapter

Eduardo S. Casares, uap
Advisor
Manila Metro Chapter

Alejandro O. Cua, uap
Advisor
Manila Metro Chapter

Paolo F. Mandakansan, uap
Chair, Administration
Manila Centrum Chapter

Nexson L. Yung, uap
Chair, Finance
Manila Metro Chapter

Perfecto P. Roberto Jr., uap
Chair, Souvenir Item
Manila Centrum Chapter

Rogelio B. Leppago, uap
Operation, Member
Manila Metro Chapter

Engelberto L. Dalay, uap
Operation, Member
Manila Metro Chapter

Marlon A. Reyes, uap
Operation, Member
Manila Metro Chapter
Gil C. Evasco. uap  
Secretary General

Jason Ramos Aban  
Administrative Officer

Leila E. Nuguid  
Asst. Administrative Officer

Alma Hilaria D. Valencia  
Finance Officer

Racquel C. Orenia  
Area Coordinator, A. B. C & D

Antonio N. Gutierrez, Jr.  
Assistant Finance Officer  
Coordinator, National Convention and CONEX

Ma. Easter V. Agbuya  
Assistant Coordinator, National Convention & CONEX  
Receptionist

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Membership Coordinator  
UAP-PRC Liaison

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Day 0 22 April '09 • Wednesday

8:00 AM - 12:00 NN CODHASP Meeting
   Annie C. Pugeda, uap
   Meeting Rm. 1

8:00 AM - 5:00 PM UAP-DOH Enhancement Course & Hospital Tour
   Elda Shina S. Samoza, uap
   UAP Auditorium/Medical City

12:00 NN - 5:00 PM Lunch/Chapter Presidents’ Assembly
   Rowena C. Ramos, uap
   Meeting Rms. 7, 8, 9

1:00 PM - 4:00 PM Tripartite Network Meeting
   Annie C. Pugeda, uap
   Meeting Rm. 1

5:00 PM - 9:00 PM National Board of Directors’ Meeting
   Roselle V. Santos, uap
   Traders Hotel

Day 1 23 April '09 • Thursday

7:30 AM - 4:00 PM Registration
   SMX, Lobby

8:00 AM - 8:45 AM Opening Mass
   Marian Eileen T. Florentino, uap
   VIP Lounge Area SMX Lobby

9:00 AM - 10:30 AM Opening of Convention Exhibits (ConEx)
   Paolo F. Manalansan, uap
   Exhibit Hall 2, 3, 4

10:30 AM - 11:00 AM Seating of Delegates
   Function Rms. 1 and 2

11:00 AM - 12:00 NN Opening Ceremonies
   Minerva C. Rosel, uap
   Function Rms. 1 and 2

12:00 NN - 1:00 PM Lunch & Candidates’ Forum
   Juanito A. Vinta, uap
   Function Rms. 1 and 2

1:00 PM - 4:30 PM Gen. Assembly & Annual Business Meeting
   Awarding of UAP National Awards
   Juanito A. Vinta, uap
   Function Rms. 1 and 2

4:00 PM - 6:00 PM Bahay Pinoy Bamboo Design Competition 2009
   Rey S. Gapitan

7:00 PM - 9:00 PM Awards and Presentation of DOH Seminar Graduates
   Presentation of new APEC Architects
   Welcome Dinner
   Omar C. Palero, uap
   Function Rms. 1 and 2

9:00 PM - 11:00 PM TOTO Night
   Function Rms. 1 and 2
35th UAP National Convention
The Power of Architecture
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Day 2  24 April '09 • Friday

7:30 AM - 4:00 PM  Registration
SMX, Lobby

8:00 AM - 4:00 PM  UAP Annual National Elections
Jocelyn R. Lutap, uap
Meeting Rm. 3

8:00 AM - 12:00 NN  Seminar - Heritage Conservation in Macau
Michelle H. De Guzman, uap
Function Rm. 1

9:00 AM - 3:00 PM  Seminar - Feng Shui: Colors, Shapes & Elements
Ma. Lorna L. Plata, uap
Function Rm. 1

12:00 NN - 1:00 PM  Lunch
Function Rm. 1

1:00 PM - 3:00 PM  Seminar - Façade Consultancy - Bridging the Gap
Ma. Lorna L. Plata, uap
Function Rm. 1

Seminar - LEED Architecture & Sustainable Design / Sustainable Architecture
Minerva C. Rosel, uap
Function Rm. 1

2:00 PM - 5:00 PM  Convocation of Fellows
Bibiano A. Luzande, Jr., fuap
Meeting Rm. 10

5:00 PM - 9:00 PM  Honor Dinner
Investiture of Fellows, Presentation of New Fellows, Likha Awardee
Bibiano A. Luzande, Jr., fuap
Function Rms. 1 & 2

Day 3  25 April '09 • Saturday

6:00 AM - 6:00 PM  Badminton and Basketball
Kenneth G. Chua, uap
The Zone, Malugay St., Makati City

7:00 AM - 1:00 PM  Golf
Jerome A. Galarpe, uap
Club Intramuros Golf Course, Bonifacio Drive, Manila

9:00 AM - 3:00 PM  Bowling and Billiards
Jonathan E. Baluyot, uap
AMF-Puyat Bowling Inn, 1941 Taft Ave., Manila

8:00 AM - 12:00NN  Seminar - Global Strategy for Disaster and Risk Reduction
Seminar - Integrating Risk Management in Architectural Planning and Design
Techie Rose O. Espiritu, uap
Exhibit Hall 2 (ConEx)

12:00 NN - 1:00 PM  Lunch

1:00 PM - 3:00 PM  Seminar - The Greatness of Everyday Filipino Heritage
Michelle H. De Guzman, uap
Exhibit Hall 2 (ConEx)

Seminar - The Infusion of Feng Shui in Sustainable Architecture
Paolo F. Manalansan, uap
Exhibit Hall 2 (ConEx)

3:00 PM - 5:00 PM  Freetime

5:00 PM - 6:00 PM  Thanksgiving Mass
Marian Eileen T. Florentino, uap
Function Rms. 2 & 3

6:00 PM - 12:00 MN  Closing Ceremonies/ Proclamation of Winners/ Presentation of ORCOM Members/Fellowship Night
Omar C. Palero, uap
Function Rms. 2 & 3
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DAY 0  
CODHASP Business Meeting
22 April '09 • Wednesday - 8:00 AM • 12:00 NN

Venue: SMX Meeting Room 1
Master of Ceremonies: Annie C. Pugeda, uap
Presiding Officer: Jean I. Cornejo, uap
CODHASP President
Dean, College of Architecture, Adamson University
Program Manager: Annie C. Pugeda, uap

8:00 AM  Registration and Seating of Delegates
Ted Villamar G. Inocencio, fuap
CODHASP Vice President for Operations
Dean, College of Architecture & Fine Arts Polytechnic University of the Philippines

8:30 AM  Invocation
Ted Villamar G. Inocencio, fuap
CODHASP Vice President for Operations
Dean, College of Architecture & Fine Arts Polytechnic University of the Philippines

8:30 AM  National Anthem
Dean, College of Architecture & Fine Arts Polytechnic University of the Philippines

8:40 AM  Acknowledgement of Guests, Deans and Heads
John Joseph T. Fernandez, uap
CODHASP Secretary
Dean, College of Architecture University of Santo Tomas

8:50 AM  President’s Report
Jean I. Cornejo, uap
Dean, College of Architecture University of Santo Tomas

9:15 AM  Treasurer’s Report
Ma. Saturnina C. Parungao, uap
CODHASP Treasurer
Dean, College of Architecture Bulacan State University

9:30 AM  Message
Medeliano T. Roldan Jr., fuap
UAP National President

9:50 AM  Presentation: Information Campaign
William V. Coscolluela, uap
Principal Architect
W.V. Coscolluela & Associates

“Greening the Architecture Curriculum” Christopher C. Dela Cruz, uap
President, Philippine Green Building Council

10:30 AM  Open Forum
COMELEC

11:00 AM  Election of Officers
COMELEC

11:30 AM  Proclamation of New Elected Set of Officers
COMELEC

12:00 NN  Adjournment
Jean I. Cornejo, uap

Dress Code: Business Attire
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00 AM</td>
<td>Registration</td>
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<tr>
<td>8:30 AM</td>
<td>Opening Ceremonies</td>
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<td>Invocation</td>
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<td></td>
<td>National Anthem</td>
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<tr>
<td></td>
<td>Welcome Remarks</td>
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<tr>
<td></td>
<td>Acknowledgements of Participants by Area</td>
</tr>
<tr>
<td>9:00 AM</td>
<td>Video Presentation</td>
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<tr>
<td></td>
<td>Global Strategy for Disasters and Risk Reduction (A World Health Organization Video Material)</td>
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<td>9:15 AM</td>
<td>Module # 1</td>
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<tr>
<td></td>
<td>Hospital Safe from Disasters; Philippine Health Sector Response to Disasters and Risk Reduction (From Disaster to Design)</td>
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<td></td>
<td>Speaker: Prosperidad C. Luis, fuap</td>
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<tr>
<td>10:00 AM</td>
<td>Break</td>
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<tr>
<td>10:15 AM</td>
<td>Module # 2</td>
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<tr>
<td></td>
<td>Hospitals Safe from Disaster; Philippine Health Sector Response to Disasters and Risk Reduction (Assessment Tools)</td>
</tr>
<tr>
<td></td>
<td>Speaker: Ma. Rebecca M. Penafiel, uap</td>
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<tr>
<td>11:00 AM</td>
<td>Module # 3</td>
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<tr>
<td></td>
<td>Introduction of Hospital Tour</td>
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<td>Hospital Safe from Disasters: The Planning and Design of the Medical City, A Safe Hospital</td>
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<tr>
<td></td>
<td>Speaker: Daniel A. Lichauco, uap</td>
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<tr>
<td>12:00 NN</td>
<td>LUNCH</td>
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<tr>
<td>12:30 PM</td>
<td>Departure for The Medical City, Ortigas Avenue, Pasig City</td>
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<tr>
<td>1:00 PM</td>
<td>Tour of The Medical City</td>
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<tr>
<td>4:00 PM</td>
<td>Return to UAP National Headquarters</td>
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</tbody>
</table>
## DAY 0
### Chapter Presidents’ Assembly
22 April 2009 • Wednesday • 12:00 NN - 5:00 PM

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter/Officer</th>
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<tbody>
<tr>
<td>12:00 NN</td>
<td>LUNCH</td>
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<tr>
<td>1:00 PM</td>
<td>Registration / Seating of Delegates</td>
<td>UAP National Secretariat</td>
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<tr>
<td>1:30 PM</td>
<td>Invocation</td>
<td>Renato A. Heray, uap</td>
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<td>National Anthem</td>
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<td></td>
<td>UAP March</td>
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<td></td>
<td>Call to Order</td>
<td>Medeliano T. Roldan, Jr., fuap</td>
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<td></td>
<td>Roll Call of Chapters</td>
<td>Gil C. Evasco, uap</td>
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<td>Certification of Quorum</td>
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<td></td>
<td>Presentation of Issues and Concerns</td>
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<tr>
<td>3:00 PM</td>
<td>Open Forum</td>
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<td></td>
<td>Conclusion and Reading of Resolutions</td>
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<td>For Information/Announcements</td>
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<tr>
<td>5:00 PM</td>
<td>Adjournment</td>
<td>Medeliano T. Roldan, Jr., fuap</td>
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<td></td>
<td>PM Snack</td>
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Dress Code: Business Attire
## 35th UAP National Convention
The Power of Architecture
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### Program

#### DAY 0
Tripartite Network Meeting
22 April '09 • Wednesday • 1:00 PM – 4:00 PM

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker/Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:00 PM</td>
<td>Registration &amp; Seating of Delegates</td>
<td>Lorelei D.C. De Viana, uap CODHASP Vice President for Planning</td>
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<td></td>
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<td>CODHASP, Institute of Architecture &amp; Fine Arts, Far Eastern University</td>
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<tr>
<td>1:30 PM</td>
<td>Invocation</td>
<td>Medeliano T. Roldan, Jr., fuap UAP National President</td>
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<td>National Anthem</td>
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<td></td>
<td>UAP March</td>
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<tr>
<td>1:40 PM</td>
<td>Welcome Remarks</td>
<td>Yolanda David Reyes, fuap, APEC Ar. Chair, CHED Technical Panel for Architecture</td>
</tr>
<tr>
<td>1:50 PM</td>
<td>Introduction of Resource Speakers</td>
<td>Medeliano T. Roldan, Jr., fuap UAP National President</td>
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<tr>
<td>2:10 PM</td>
<td>Speaker 1</td>
<td>Hon. Armando N. Alii, fuap, aaif, APEC Ar. Chairman, PRC Board of Architecture</td>
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<tr>
<td>2:25 PM</td>
<td>Speaker 2</td>
<td>Hon. Angeline T. Chua Chiaco, fuap Member, PRC Board of Architecture</td>
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<tr>
<td>2:40 PM</td>
<td>Speaker 3</td>
<td>Hon. Marietta B. Segovia, uap, aaif Member, PRC Board of Architecture</td>
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<td>2:55 PM</td>
<td>Speaker 4</td>
<td>Annie C. Pugeda, uap PM, CODHASP/TPN</td>
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<tr>
<td>3:15 PM</td>
<td>Break – PM Snacks</td>
<td>Ted Villamor G. Inocencio, fuap CODHASP Vice President for Operations</td>
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<td>CODHASP, Vice President for Operations, Dean, College of Architecture &amp; Fine Arts</td>
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<td>Polytechnic University of the Philippines</td>
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<tr>
<td>3:45 PM</td>
<td>Open Forum</td>
<td>Ted Villamor G. Inocencio, fuap CODHASP Vice President for Operations</td>
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<td>CODHASP, Vice President for Operations, Dean, College of Architecture &amp; Fine Arts</td>
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<td>Polytechnic University of the Philippines</td>
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<tr>
<td>4:00 PM</td>
<td>Conclusion and Reading of the Resolutions</td>
<td>Ted Villamor G. Inocencio, fuap CODHASP Vice President for Operations</td>
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<td>CODHASP, Vice President for Operations, Dean, College of Architecture &amp; Fine Arts</td>
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<td>Polytechnic University of the Philippines</td>
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<tr>
<td>4:10 PM</td>
<td>Conclusion and Reading of the Resolutions</td>
<td>Ted Villamor G. Inocencio, fuap CODHASP Vice President for Operations</td>
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<td>CODHASP, Vice President for Operations, Dean, College of Architecture &amp; Fine Arts</td>
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<td>Polytechnic University of the Philippines</td>
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<tr>
<td>4:20 PM</td>
<td>Presentations of Plaques of Appreciation</td>
<td>Ted Villamor G. Inocencio, fuap CODHASP Vice President for Operations</td>
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<td>CODHASP, Vice President for Operations, Dean, College of Architecture &amp; Fine Arts</td>
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<td>Polytechnic University of the Philippines</td>
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<tr>
<td>4:30 PM</td>
<td>Adjournment</td>
<td>Ted Villamor G. Inocencio, fuap CODHASP Vice President for Operations</td>
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<td>CODHASP, Vice President for Operations, Dean, College of Architecture &amp; Fine Arts</td>
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<td>Polytechnic University of the Philippines</td>
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Dress Code: Business Attire
National Board of Directors’ Meeting  
22 April ’09 • Wednesday • 5:00 PM - 9:00 PM

Venue: Traders Hotel  
Presiding Officer: Medeliano T. Roldan, Jr., fuap  
UAP National President  
Program Manager: Roselle V. Santos, uap  

5:00 PM Invocation  
National Anthem  
UAP March  
5:15 PM Call to Order  
Establishment of Quorum  
Medeliano T. Roldan, Jr., fuap  
UAP National President  
Gil C. Evasco, uap  
Secretary General  

5:30 PM Presentation and Approval of Agenda  
Reading and Approval of the Minutes of the Previous National Board Meeting  
Matters Arising from the Minutes  
Agenda Proper  
Dinner  
Call and Submission of Reports  
Other Matters  

9:00 PM Adjournment  
Medeliano T. Roldan, Jr., fuap  
UAP National President  

Dress Code: Business Attire
Matrix Integrated Security Management System

Putting you in
ABSOLUTE CONTROL...

RFID Contactless Smart & Proximity Card Readers & Controllers
Biometric Identification
Softwares
Contactless Smart Cards / Tags / Labels

APPLICATIONS

• Door Access
• Intelligent Bldg. Access Control
• Time & Attendance Systems
• Car Parking System
• Village Access Control
• Lift Access
• Contactless Hotel Locks
• Electronic Payment
• Loyalty Systems
• Campus Systems
• Asset Tracking

SECURITY BARRIERS

Two Legged Tripod Turnstile
One Legged Tripod Turnstile
Road Bollard (Anti Ram)
Road Blocker (Anti Ram)

ELID Technology International Inc.

"Asia’s Leader in ELectronic IDentification"
A Subsidiary of ELID Sdn. Bhd (Malaysia)

1410 Wilshire Plaza Bldg., 11 Annapolis St., Greenhills, San Juan, Metro Manila, Philippines

Tel. Nos. 724-0191 - 724-5437 • 724-0197 to 98 Fax: 725-4318
E-Mail: rudy.elid@pacific.net.ph • Website: www.elid.com.ph
Opening of Convention Exhibits (ConEx)
23 April '09 • Thursday • 9:00 AM - 10:30 AM

Venue: Exhibit Hall Lobby
Master of Ceremonies: Paolo F. Manalansan, uap
Program Manager: Paolo F. Manalansan, uap

Opening Number
Introduction
Welcome Remarks Joenel C. Kho, uap
Director ConEx 2009
Acknowledgement of Guest Roger T. Ong, uap
Executive Director, Commission on Conventions & Conferences
Introduction of V.I.P. Medeliano T. Roldan, Jr., fuap
UAP National President
Inspirational Talk of V.I.P.
Production Number
Ribbon Cutting Ceremonies
Viewing of Exhibits
Cocktails at ConEx event venue
# 35th UAP National Convention

## Program

**DREAM • CREATE • TRANSFORM**

<table>
<thead>
<tr>
<th>DAY 1</th>
<th>Opening Ceremonies</th>
</tr>
</thead>
<tbody>
<tr>
<td>23 April ’09 • Thursday • 11:00 AM - 12:00 NN</td>
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</tr>
</tbody>
</table>

**Venue:** Function Rooms 1 & 2  
**Master of Ceremonies:** Ma. Luisa M. Gutierrez, uap  
Joseph Jay Ruiz, uap  
**Program Manager:** Minerva C. Rosel, uap

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>10:30 AM</td>
<td>Seating of Delegates</td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Processional</td>
</tr>
<tr>
<td></td>
<td>UAP National Board of Directors &amp; Guest of Honor</td>
</tr>
<tr>
<td></td>
<td>Entry of Colors</td>
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<td></td>
<td>Invocation</td>
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<tr>
<td></td>
<td>National Anthem</td>
</tr>
<tr>
<td></td>
<td>UAP March</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>Welcome Address</td>
</tr>
<tr>
<td></td>
<td>Richard M. Garcia, uap</td>
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<tr>
<td></td>
<td>Director, 35th National Convention</td>
</tr>
<tr>
<td>11:20 AM</td>
<td>Opening Number</td>
</tr>
<tr>
<td></td>
<td>MIT Dance Co.</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>Acknowledgement of Guests and Roll Call by Chapter</td>
</tr>
<tr>
<td></td>
<td>Gil C. Evasco, uap</td>
</tr>
<tr>
<td></td>
<td>Secretary General</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>Opening Address</td>
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<tr>
<td></td>
<td>Medeliano T. Roldan, Jr., fuap</td>
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<tr>
<td></td>
<td>UAP National President</td>
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<tr>
<td>11:30 AM</td>
<td>Introduction of Guest Speaker</td>
</tr>
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<td></td>
<td>Ramon S. Mendoza, fuap</td>
</tr>
<tr>
<td></td>
<td>National Executive Vice President</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>Message of Guest Speaker</td>
</tr>
<tr>
<td></td>
<td>Manuel B. Villar, Jr.</td>
</tr>
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<td></td>
<td>Senator, Republic of the Philippines</td>
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<tr>
<td>11:30 AM</td>
<td>Presentation of Plaque of Appreciation to Guest</td>
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<td></td>
<td>Medeliano T. Roldan, Jr., fuap</td>
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<td></td>
<td>UAP National President</td>
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<tr>
<td>11:30 AM</td>
<td>Speaker</td>
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<td>Ramon S. Mendoza, fuap</td>
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<td>National Executive Vice President</td>
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<td>Roger T. Ong, uap</td>
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<td>Executive Director</td>
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<td>Commission on Conventions &amp; Conferences</td>
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<td>Richard M. Garcia, uap</td>
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<td></td>
<td>Director, 35th National Convention</td>
</tr>
<tr>
<td>12:00 NN</td>
<td>Closing Address</td>
</tr>
<tr>
<td></td>
<td>Michael V. Tomeldan, fuap</td>
</tr>
<tr>
<td></td>
<td>Vice President for Area A</td>
</tr>
</tbody>
</table>
## Candidates Forum

23 April '09 • Thursday • 12:00 NN - 1:00 PM

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter/Chair</th>
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</thead>
<tbody>
<tr>
<td>12:00 NN</td>
<td>Opening Address</td>
<td>Mila I. Martinez, fuap Chair, Committee on Accreditation</td>
</tr>
<tr>
<td>12:05 PM</td>
<td>Forum Mechanics and Presentation of Candidates</td>
<td>Maria Elena C. Cayanan, fuap Deputy Chair, COMELEC</td>
</tr>
</tbody>
</table>
| 12:25 PM | Candidates Hour
  1. Candidates for National President
  2. Candidates for ExeCom Positions                                      | 10 minutes each
| 1:00 PM  | Closing Address                                                        | Pamela N. Amador, fuap Chair, COMELEC           |

**Venue:** Function Rooms 1 & 2

**Presiding Officer:** Pamela N. Amador, fuap Chair, COMELEC

**Program Manager:** Juanito A. Vinta, uap

---

### COMELEC OFFICIALS

**Chairperson:** PAMELA N. AMADOR, FUAP

**Deputy Chairperson:** MARIA ELENA C. CAYANAN, FUAP

**Committee Chair**
- **Accreditation:** MILA I. MARTINEZ, FUAP
- **Canvassing:** ANTONIO C. SANGRADOR, FUAP

**Members/Representatives:**
- RD-A1A ROY T. CORDERO
- RD-A1B EDMUND B. UDARBE, JR.
- RD-A2A ANTONIO N. RODRIGUEZ
- RD-A2B HERMEL M. GULAPA
- RD-A3 ABELARDO V. MIRAFLOR
- RD-A4 ROLANDO ROY L. CORDERO, FUAP
- RD-A5 MILA I. MARTINEZ, FUAP
- RD-B1 SHERWIN N. NIEVA
- RD-B2 GABRIEL MA. ANGELO B. CASCANTE
- RD-B3 MANUEL JOSE P. LIMGenco, JR.
- RD-B4 EDGARDO M. CABANGON
- RD-B5 REYNALDO O. NACIONAL, JR.
- RD-C1 EMMANUEL JESUS R. AVILA
- RD-C2 GIL V. JUESNA, JR.
- RD-C3 IVAN H. ASPIRAS
- RD-C4 ANTONIO C. SANGRADOR, FUAP
- RD-D1 RONNIE A. UY
- RD-D2 GIL A. GANGOSO
- RD-D3 AMADO E. JOVELLANO
- RD-D4 PEDRINILo RODRIGO LL. AMESOLA
<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>1:00 PM</td>
<td>Invocation</td>
<td>Rialino M. Alisbo, uap</td>
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<tr>
<td></td>
<td></td>
<td>Vice President for Area C</td>
</tr>
<tr>
<td>1:15 PM</td>
<td>Call to Order</td>
<td>Medeliano T. Roldan, Jr., fuap</td>
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<tr>
<td></td>
<td></td>
<td>UAP National President</td>
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<tr>
<td>1:20 PM</td>
<td>Roll Call by Chapter Establishment of Quorum Reading of Agenda</td>
<td>Gil C. Evasco, uap</td>
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<td></td>
<td>Secretary General</td>
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<tr>
<td>2:05 PM</td>
<td>President’s Report</td>
<td>Medeliano T. Roldan, Jr., fuap</td>
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<td></td>
<td></td>
<td>UAP National President</td>
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<tr>
<td>2:40 PM</td>
<td>Treasurer’s Report</td>
<td>Amado E. Tandoc, Jr.,uap</td>
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<td></td>
<td></td>
<td>National Treasurer</td>
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<tr>
<td>2:55 PM</td>
<td>Auditor’s Report</td>
<td>Ernesto D. Tianco, uap</td>
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<td>National Auditor</td>
</tr>
<tr>
<td>3:10 PM</td>
<td>Presentation of Resolutions Open Forum Approval of Resolutions Snack</td>
<td>Gil C. Evasco, uap</td>
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<td></td>
<td></td>
<td>Secretary General</td>
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<tr>
<td>3:30 PM</td>
<td>Presentation of 2008 UAP National Awards</td>
<td>Rudy O. Ferrer, fuap</td>
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<td>Deputy Chair, National Committee on Awards</td>
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<td>Medeliano T. Roldan, Jr., fuap</td>
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<td>UAP National President</td>
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<td>Ramon S. Mendoza, fuap</td>
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<td>National Executive Vice President</td>
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<td>Gil C. Evasco, uap</td>
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<td>Secretary General</td>
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<td>Amado E. Tandoc, Jr., uap</td>
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<td>National Treasurer</td>
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<td>Pamela N. Amador, fuap</td>
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<td>Executive Director Commission on Internal Affairs</td>
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<td>Member-Architects</td>
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<td></td>
<td></td>
<td>National Committee on Awards</td>
</tr>
<tr>
<td>4:30 PM</td>
<td>Adjournment</td>
<td>Presiding Officer</td>
</tr>
</tbody>
</table>
Bahay Pinoy Bamboo Design Competition 2009
23 April '09 • Thursday • 4:00 PM - 6:00 PM

Venue: Exhibit Hall 2
Master of Ceremonies: Rey S. Gabitan, uap
Program Manager: Paolo F. Manalansan, uap

Invocation
Amado E. Tandoc Jr., uap
National Treasurer
Consultant, Bahay Pinoy Bamboo Design Competition 2009

National Anthem
Welcome Message
Rey S. Gabitan, uap
Chair, Competition

Partner Message
Medeliano T. Roldan, Jr., fuap
UAP National President

Rotary Makati Central D-3830
Hon. Edgardo C. Manda
LLDA General Manager

Awarding Proper
Acknowledgement (Jurors, Consultants)

“BAHAY PINOY” BAMBOO DESIGN COMPETITION
A National Design Competition for Community Housing in the Philippines
A Project of the Rotary-UAP Joint Committee on Housing
United Architects of the Philippines and Rotary Makati Central D-3830
Welcome Dinner
23 April ‘09 • Thursday • 7:00 PM - 12:00 MN

Venue: Function Rooms 2 & 3
Master of Ceremonies: Omar C. Palero, uap
Program Manager: Omar C. Palero, uap

**Part 1**

6:00 PM Dinner & Entertainment
6:30 PM Invocation
National Anthem
UAP March
6:50 PM Welcome Remarks

**Domingo Ll. Tablizo Jr., fuap**
Vice President for Area B

7:10 PM Acknowledgement of Guests

**Gil C. Evasco, uap**
Secretary General

7:20 PM Introduction of Guest of Honor

**Edric Marco C. Florentino, fuap**
Immediate Past National President

7:30 PM Message

**Guest of Honor**

7:45 PM Presentation of Plaque of Appreciation to Guest of Honor

**Medeliano T. Roldan, Jr., fuap**
UAP National President

**Ramon S. Mendoza, fuap**
National Executive Vice President

**Roger T. Ong, uap**
Executive Director, Commission on Conventions and Conferences

**Richard M. Garcia, uap**
Director, 35th National Convention

8:00 PM Awarding and Presentation of DOH Seminar Graduates

**Prosperidad C. Luis, fuap**
Chair, UAP Specialty Council on Healthcare
Past National President

**Part 2**

9:15 PM Welcome Party with TOTO: "Experience Las Vegas"
# EPCO PHILIPPINES, INC.

**EPCO ARCHITECTURAL HARDWARE PHILS. INC.**

**Free Consultancy  Free Design**

Architectural Hardware  Stainless Cladding  Glass  Glass Facade Specialist

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**EPCO KOLON SYSTEM**

- KOLON Sliding Fittings
- KOLON Connecting Fittings

**SPIDER SYSTEM:**

- Glass Connection & Glass Fin Fittings
- Cable Structure

**EPCO Pull Handle:**

- EPCO DOOR KNOBS
- Articulated Bolt

**EPCO PATCH FITTINGS**

- EPCO Studio Texas

**EPCO ELLIPSE PIVOT SYSTEM**

- ELLIPSE Pivot Fittings

**EPCO MANUAL SLIDING DOOR SYSTEM:**

- Glass Hinges & Clips

---

**GLASS HINGES & CLIPS**

**EPCO Shower Hinge & Indicator Lock**

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Red Bank, New Jersey 07701
Tel. No.: (732) 450-0824 Fax: (732) 450-0825
email: hotlane@comcast.net

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**EPCO CANADA**

Ontario, Canada, N3Y 4K2
Tel. No.: (519) 425-4113 Fax: (519) 426-1574

---

**EPCO UK**

Glasswall Engineering LTD.
Glasswall@epcout.com
www.epcouk.com

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**EPCO ARCHITECTURAL HARDWARE (USA) INC.**

16004 Kaplan Ave. City Industry, CA 91744
Tel. No.: (626) 961-6827 Fax: (626) 961-3525
e-mail epco@epcocorp.com

---

**EPCO GEORGIA**

1165 AllgoodRoad
Suite 11 Marietta, GA 30062
Tel. No.: (770) 420-2346 Fax: (770) 420-2393
e-mail: doordesign@mindspring.com

---

**EPCO N. CALIFORNIA (USA) INC.**

CALIFORNIA SAN FRANCISCO, CA 94121
Tel. No.: (415) 221-5164 Fax: (415) 386-6020
e-mail: ek7018@aol.com
2009 Election
24 April '09 • Friday • 8:00 AM - 3:00 PM

Venue: Meeting Room 3
Committee-in-Charge: COMELEC
Program Manager: Jocelyn R. Lutap, uap

Counting of Ballots to Follow

Convocation of Fellows
24 April '09 • Friday • 1:30 PM - 4:30 PM

Venue: SMX Meeting Room 10
Master of Ceremonies: Amado P. De Jesus, Jr., fuap
Scribe, COF
Program Manager: Bibiano A. Luzande, Jr., fuap

1:00 PM Registration
1:30 PM Invocation Noralita C. Dumlao, fuap Vice Chancellor, COF

Call to Order Maria Cristina V. Turalba, fuap Chancellor, COF

Roll Call Amado P. De Jesus, Jr., fuap Scribe, COF

Reading and Approval of Minutes of Previous Meeting

New Business:
a. Bursar’s Report Gloria B. Teodoro, fuap Bursar, COF
b. Chancellor’s Report Maria Cristina V. Turalba, fuap Chancellor, COF
c. Business Matters/Matters Arising from the Minutes of the Previous Meeting

3:30 PM Election of Officers COMELEC, College of Fellows
Election of Jury of Fellows COMELEC, College of Fellows
Presentation of Newly Elected Officers and Jury of Fellows
Announcement of the Investiture/Presentation of the New Likha Awardee and New Fellows

4:30 PM Adjournment / Snacks
Dress Code: Business Attire
DAY 2
Seminar
24 April '09 • Friday • 8:00 AM - 10:00 AM

Venue: Function Room 1
Master of Ceremonies: Lucille H. Chua, uap
Program Manager: Michelle H. De Guzman, uap

8:00 AM Registration/Seating of Delegates
9:00 AM “Heritage Conservation in Macau” Augusto “Toti” Villalon, fuap
   Key Speaker
9:30 AM Q and A
9:50 AM Awarding of Plaque of Appreciation

Raffle
10:00 AM AM Snack

Dress Code: Business Attire

DAY 2
Seminar
24 April '09 • Friday • 10:00 AM - 12:00 NN

Venue: Function Room 1
Master of Ceremonies: Lucille H. Chua, uap
Program Manager: Ma. Lorna L. Plata, uap

10:00 AM Registration / Seating of Delegates
10:15 AM “Feng Shui: Colors, Shapes, and Elements” Marites Allen
   Key Speaker
11:15 AM Q and A
11:50 AM Awarding of Plaque of Appreciation

Dress Code: Business Attire
## DAY 2

### Seminar
24 April '09 • Friday • 1:00 PM - 2:00 PM

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Speaker</th>
<th>Designation</th>
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<tbody>
<tr>
<td>1:00 PM</td>
<td>Registration / Seating of Delegates</td>
<td></td>
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</tr>
<tr>
<td>1:05 PM</td>
<td><em>Facade Consultancy Bridging the Gap</em></td>
<td>Ron Bertoli</td>
<td>Key Speaker</td>
</tr>
<tr>
<td>1:35 PM</td>
<td>Q and A</td>
<td></td>
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<tr>
<td>1:50 PM</td>
<td>Awarding of Plaque of Appreciation</td>
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</tbody>
</table>

Dress Code: Business Attire

Venue: Function Room 1
Master of Ceremonies: Ma. Benita O. Regala, uap
Program Manager: Ma. Lorna L. Plata, uap

### Seminar
24 April '09 • Friday • 2:00 PM - 3:00 PM

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Speaker</th>
<th>Designation</th>
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<tbody>
<tr>
<td>2:05 PM</td>
<td><em>LEED Architecture and Sustainable Design</em></td>
<td>Peter Zieth</td>
<td>Architectural and Industrial Design</td>
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<td></td>
<td>LEED Accredited Professional</td>
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<td></td>
<td></td>
<td></td>
<td>Key Speaker</td>
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<tr>
<td>2:25 PM</td>
<td><em>Sustainable Architecture</em></td>
<td>Steven Smit</td>
<td>Architectural and Environmental Design</td>
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<td>Key Speaker</td>
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<td>2:45 PM</td>
<td>Q and A</td>
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<tr>
<td>2:55 PM</td>
<td>Awarding of Plaque of Appreciation</td>
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Dress Code: Business Attire

Venue: Function Room 1 and 2
Master of Ceremonies: Florencio Romario T. Sebastian, III, uap
Program Manager: Minerva C. Rosel, uap
Honor Dinner
24 April '09 • Friday • 5:00 PM - 10:00 PM

Venue: Function Room 1 & 2
Master of Ceremonies: Maria Elena C. Cayanan, fuap
Program Manager: Bibiano A. Luzande, Jr., fuap

4:30 PM Seating Delegates and Guests
Assembly at Entrance Hall for the Processional March
5:00 PM Grand Processional March

5:45 PM Opening Ceremonies
Call to Order
Entrance of New Fellows
Invocation and Prayer for the Departed Fellows
Entrance of Colors
Pambansang Awit / UAP March
Presentation / Conferment of Likha Awardee
Response of New Likha Awardee
Investiture of New Fellows
Reading of Citations
Conferment
Administering of Oath of Membership
Response
Dinner

8:00 PM Acknowledgement of Guests
Introduction of the Guest of Honor and Speaker
Message of the Guest of Honor and Speaker
Presentation of Plaque of Appreciation to the Guest of Honor and Speaker

Day 2

Dress Code: Formal Attire

Venue: Function Room 1 & 2
Master of Ceremonies: Maria Elena C. Cayanan, fuap
Program Manager: Bibiano A. Luzande, Jr., fuap

4:30 PM Seating Delegates and Guests
Assembly at Entrance Hall for the Processional March
5:00 PM Grand Processional March

5:45 PM Opening Ceremonies
Call to Order
Entrance of New Fellows
Invocation and Prayer for the Departed Fellows
Entrance of Colors
Pambansang Awit / UAP March
Presentation / Conferment of Likha Awardee
Response of New Likha Awardee
Investiture of New Fellows
Reading of Citations
Conferment
Administering of Oath of Membership
Response
Dinner

8:00 PM Acknowledgement of Guests
Introduction of the Guest of Honor and Speaker
Message of the Guest of Honor and Speaker
Presentation of Plaque of Appreciation to the Guest of Honor and Speaker

Dress Code: Formal Attire
DAY 3

Sports Activities Arkilympics
25 April ’09 • Saturday • 6:00 AM - 6:00 PM

Badminton & Basketball Program

Venue: The Zone
Malugay St., Makati City

Master of Ceremonies: Kenneth G. Chua, uap
Program Manager: Kenneth G. Chua, uap

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Description</th>
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<tbody>
<tr>
<td>6:00 AM</td>
<td>Registration</td>
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<tr>
<td>7:00 AM</td>
<td>Start of Games and Matches</td>
<td>For Basketball</td>
</tr>
<tr>
<td>8:00 AM</td>
<td>Start of Games and Matches</td>
<td>For Badminton</td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Reflection and Invocation</td>
<td>National Anthem</td>
</tr>
<tr>
<td>10:15 AM</td>
<td>Welcome Remarks</td>
<td>Richard M. Garcia, fuap</td>
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<td></td>
<td>Director, 35th National Convention</td>
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<tr>
<td>10:30 AM</td>
<td>Acknowledgement of Guests</td>
<td>Roger T. Ong, uap</td>
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<td>and Roll Call by Chapter / Teams</td>
<td>Executive Director</td>
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<td>Commission on Conventions &amp; Conferences</td>
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<tr>
<td>10:45 AM</td>
<td>Opening Address</td>
<td>Medeliano T. Roldan, Jr., fuap</td>
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<td></td>
<td>UAP National President</td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Closing Remarks</td>
<td>Kenneth G. Chua, uap</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chair, Arkilympics</td>
</tr>
<tr>
<td>12:00 NN</td>
<td>Resumption of Games</td>
<td>For Basketball &amp; Badminton</td>
</tr>
<tr>
<td>5:00 PM</td>
<td>End of Games</td>
<td>For Badminton</td>
</tr>
<tr>
<td>6:00 PM</td>
<td>End of Games</td>
<td>For Basketball</td>
</tr>
</tbody>
</table>
## Sports Activities Arkilympics

**25 April '09 • Saturday • 9:00 AM - 3:00 PM**

### Bowling & Billiards Program

- **Venue:** AMF-Puyat Bowling Inn  
  1941 Taft Ave., Manila
- **Master of Ceremonies:** Jonathan E. Baluyot, uap
- **Program Manager:** Jonathan E. Baluyot, uap

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Organizer</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 AM</td>
<td>Registration</td>
<td>Jonathan E. Baluyot, uap</td>
</tr>
<tr>
<td>9:30 AM</td>
<td>Opening Processional March</td>
<td>Event Coordinator, Billiards &amp; Bowling</td>
</tr>
<tr>
<td></td>
<td>Reflection and Invocation</td>
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</tr>
<tr>
<td></td>
<td>National Anthem</td>
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</tr>
<tr>
<td>9:45 AM</td>
<td>Welcome Remarks</td>
<td>Romulo G. De Jesus, Jr., uap</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Architects’ Bowling Club</td>
</tr>
<tr>
<td>9:55 AM</td>
<td>Closing Remarks</td>
<td>Virgilio S. Regala, Jr., fuap</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Architects’ Billiards Association</td>
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<tr>
<td>10:00 AM</td>
<td>Start of Games</td>
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<tr>
<td>3:00 PM</td>
<td>Closing</td>
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</tbody>
</table>

## Sports Activities Arkilympics

**25 April '09 • Saturday • 8:00 AM - 12:00 NN**

### Golf Program

- **Venue:** Club Intramuros Golf Course  
  Bonifacio Drive, Manila
- **Master of Ceremonies:** Jerome A. Galarpe, uap
- **Program Manager:** Jerome A. Galarpe, uap

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Organizer</th>
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</thead>
<tbody>
<tr>
<td>8:00 AM</td>
<td>Registration</td>
<td>Medeliano T. Roldan, Jr., fuap</td>
</tr>
<tr>
<td></td>
<td></td>
<td>UAP National President</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>Ceremonial Tee-Off</td>
<td>Richard M. Garcia, fuap</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Director, 35th National Convention</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kenneth G. Chua, uap</td>
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<tr>
<td></td>
<td></td>
<td>Chair, Arkilympics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Jerome A. Galarpe, uap</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Event Coordinator</td>
</tr>
<tr>
<td>9:00 AM</td>
<td>Tee-Off</td>
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<tr>
<td>1:00 PM</td>
<td>Closing</td>
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</table>
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April 25, 2009 Saturday at venues in Manila and Makati

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BADMINTON: Venue at THE ZONE, Malugay St., Makati City
Number of participants is capped at 60 players.
For your entry to be official, you have to:
1. Be in good standing with the UAP.
2. Have paid the 35th National Convention Registration Fee.
3. Have paid the tournament fee.
4. Have the confirmation of your slot from the ArkiLympics Committee.

Tournament fee is set at PHP400.00/player.

Games will start at 8:00 AM and end at 3:00 PM.
Opening Ceremonies will be held at 11:00 AM at the same venue.
Tournament Format is a Single Round Robin with Finals. Scorecard Points System shall be implemented for the scoring.

There will be 4 skill classifications, namely: Class A, Class B, Class C and Class D. The classification database of the Architects Badminton Federation (ABF) will be used to classify most of the participants. Those players not found in the database, will be classified separately. Partners will be assigned.

BASKETBALL: Venue at THE ZONE, Malugay St., Makati City
Number of participants is capped at 6 teams with max. 16 players per team.
For your entry to be official, you have to:
1. Be in good standing with the UAP.
2. Have paid the 35th National Convention Registration Fee.
3. Have paid the tournament fee.
4. Have the confirmation of your slot from the ArkiLympics Committee.

Tournament fee is set at PHP5,000.00/team.

Games will start at 7:00 AM and end at 3:00 PM.
Opening Ceremonies will be held at 11:00 AM at the same venue.
Team lineup has to be submitted upon registration of the team.

BOWLING: Venue at AMF-PUYAT BOWLING INN, Taft Avenue, Manila
Number of participants is capped at 30 players.
For your entry to be official, you have to:
1. Be in good standing with the UAP.
2. Have paid the 35th National Convention Registration Fee.
3. Have paid the tournament fee.
4. Have the confirmation of your slot from the ArkiLympics Committee.

Tournament fee is set at PHP400.00/player.

Games will start at 10:00 AM and end at 3:00 PM.
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**DAY 3**

**Seminar**
25 April '09 • Saturday • 8:00 AM - 12:00 NN

**Venue:** Exhibit Hall 2 (ConEx)
**Master of Ceremonies:** Patricia D. Mendoza, uap
Russell Fatima N. Moleta, uap
**Program Manager:** Techie Rose O. Espiritu, uap

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:30 AM</td>
<td>Registration/Seating of Delegates</td>
</tr>
<tr>
<td>8:00 AM</td>
<td>Welcoming of delegates</td>
</tr>
<tr>
<td></td>
<td>Introduction of Speaker</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>Global Strategy for Disasters and Risk Reduction</td>
</tr>
<tr>
<td>9:45 AM</td>
<td>Snack/Break</td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Introduction of Speaker Carmencita A. Banatin, MD, MHA</td>
</tr>
<tr>
<td></td>
<td>Director III</td>
</tr>
<tr>
<td></td>
<td>Health Emergency Management Staff</td>
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<td></td>
<td>Department of Health</td>
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<tr>
<td>10:15 AM</td>
<td>Integrating Risk Management in Architectural Planning and Design</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>Open Forum</td>
</tr>
<tr>
<td>11:45 AM</td>
<td>Awarding of Plaque of Appreciation</td>
</tr>
<tr>
<td>12:00 NN</td>
<td>Closing Remarks</td>
</tr>
</tbody>
</table>

**DAY 3**

**Seminar**
25 April '09 • Saturday • 1:00 PM - 3:00 PM

**Venue:** Exhibit Hall 2 (ConEx)
**Master of Ceremonies:** Mystice Michelle H. De Guzman, uap
Paolo F. Manalansan, uap
**Program Manager:** Mystice Michelle H. De Guzman, uap
Paolo F. Manalansan, uap

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>1:00 PM</td>
<td>Registration of Delegates</td>
</tr>
<tr>
<td></td>
<td>Welcoming of Delegates</td>
</tr>
<tr>
<td>1:30 PM</td>
<td>Introduction of Speaker Augusto ‘Toti’ Villalon, uap</td>
</tr>
<tr>
<td></td>
<td>Key Speaker</td>
</tr>
<tr>
<td>1:35 PM</td>
<td>The Greatness of Everyday Filipino Heritage</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>Break</td>
</tr>
<tr>
<td>2:10 PM</td>
<td>Introduction of Speaker Augusto ‘Toti’ Villalon, uap</td>
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<tr>
<td>2:15 PM</td>
<td>The Infusion of Feng Shui in Sustainable Architecture</td>
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<tr>
<td></td>
<td>Annie C. Pugeda, uap</td>
</tr>
<tr>
<td></td>
<td>Key Speaker</td>
</tr>
<tr>
<td>2:40 PM</td>
<td>Open Forum</td>
</tr>
<tr>
<td>2:50 PM</td>
<td>Awarding of Plaques of Appreciation</td>
</tr>
<tr>
<td>3:00 PM</td>
<td>Closing Remarks</td>
</tr>
</tbody>
</table>
Closing Ceremonies and Fellowship Night
25 April '09 • Saturday • 6:00 PM-12:00 MN

Venue: Function Rooms 2 & 3
Master of Ceremonies: Omar C. Palero, uap
Program Manager: Omar C. Palero, uap

6:00 PM Seating of Delegates
6:30 PM Invocation
6:45 PM National Anthem
   UAP March
   Architect’s Credo
6:55 PM Call to Order Medeliano T. Roldan, Jr., fuap
   UAP National President
7:05 PM Convention Report Richard M. Garcia, fuap
   Director, 35th National Convention
7:20 PM Proclamation of Election
   Winners & Presentation of Incoming
   UAP National Board
7:45 PM Closing Remarks
   Adjournment
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25 April '09

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Augusto Villalón is an architect and cultural heritage planner who graduated from Notre Dame and Yale Universities, and was awarded a Ph.D Honoris Causa by the Far Eastern University. Aside from his architecture practice, he has been involved with the Heritage Conservation Society and the National Commission on Culture and the Arts (NCCA) in Manila, UNESCO in Manila and Paris, ICOMOS in Paris, the United Nations World Tourism Organization in Madrid, the National Trust in Australia, and other international organizations. Projects have taken him from his base in Manila to various Philippine and overseas locations. He has received awards from the City of Manila, NCCA, United Architects of the Philippines, and UNESCO. His books, published in the Philippines and in Europe, are “Living Landscapes and Cultural Landmarks: World Heritage Sites in the Philippines”, “Lugar” and “Manila”. He writes a weekly column on heritage conservation for the Philippine Daily Inquirer.
Marites Allen, who has made feng shui her life’s work and credits her triumphs over early personal adversity and achieving financial and personal success to this living skill, is a living testimony to the attraction of this ancient Chinese practice to all nationalities and economic classes. In the Philippines, feng shui continues to gain adherents.

Marites is a certified feng shui expert and President & CEO of “The World Of Feng Shui” boutique in Manila. She explains that feng shui is the ancient Chinese art of manipulating and arranging one’s surroundings to attract positive life energy, or chi, so that it flows smoothly, unblocking any obstructions in the body and the environment. Literally meaning “wind and water,” origins date back several thousand years. Feng shui has evolved from the theory that people are affected by their surroundings.

You may visit WORLD OF FENG SHUI Branches at the ground floor of The Podium Mall (914 7888), SM City Cebu (032 231 4088), Mall of Asia (556 0615), Serendra Piazza (909 7088), The Block of SM North Edsa (442 0113), WOFS New Manila (412 6888) and WOFS Glorietta IV (818 8858).

• Graduate of University of Santo Tomas Batch ’86 with a degree in Bachelor of Science in Architecture
• Took the Architecture Licensure Examination in June 1989 and ranked 14th
• An academician in Architecture schools since 1990
• Attended the Advanced Training on Conservation and Management of Heritage Structures in Lund University, Sweden last September 2008 and March 2009 in Manila, Philippines
• Speaker in various organizations like UAPGA, PIA, FEU, UAP and WorldBex
• Took her Master of Arts degree, Major in Instruction and Curriculum in the FEU Institute of Graduate Studies last March 2005
• Presently teaching with a rank of Associate Professor II at the Institute of Architecture & Fine Arts of the Far Eastern University
• Presently connected with JPT Architecture Review Center and has been a Reviewer in Utilities and Architectural Design since 1991
• She is also the Institute Coordinator of the FEU Institute of Architecture & Fine Arts Architecture Licensure Examination (FEU IARFA ALE) Review
• Held various posts in the United Architects of the Philippines, like Chair of the World Architecture Day 2008, being the Chair of the UAP Balangkasang, Chapter President of the UAP Manila Centrum Chapter from 2004 – 2007, Secretariat Chair of UAP National Conventions & Conferences and the Nationwide Architecture Week.
• Have studied Basic Feng Shui from Arch. Calet Alviar Rapsing, her mentor
Over the past 20 years, facades have developed and emerged as one of the most complex and costly aspects of any building design. With the advancement of computer imagery and 3D graphics, the emerging significance of green technology, and the ever increasing demand for architectural ingenuity, façade design has become a specialized area requiring a combination of multiple disciplines.

In this paper, we look at the role of the façade consultant and how they ‘bridge the gap’ between design and reality. By advising the design team on types of systems that will most benefit each architectural scheme, façade consultants assist to realise the architectural visions that are presented to clients at the inception of any project.

The aim of this paper is to briefly look at the history of facades, the emergence of façade engineering as a discipline in its own right, the role of the façade consultant and what they bring to the project, and at what time do you engage a façade consultant. It will explain how important the skills and experience of a façade consultant are in selecting the correct systems to achieve the architectural concept, selection of materials for not purely aesthetic reasons but also for long term durability, achieving sustainable designs that reduce operation and maintenance costs, while maintaining building costs in line with client budgets.
“Integrating Risk Management in Architectural Designing and Planning” provides a background of the common hazards affecting various places in the Philippines that resulted to major emergencies or disasters. This is aimed at imparting knowledge regarding the hazard prone areas and that such hazards may be avoided or given basic considerations in planning and designing infrastructures most especially in terms of location and design selection for health facilities like hospitals. This is exemplified by a decision of building concrete infrastructures or hospitals on an elevated area outside the danger zone of Mayon Volcano because of the risk reduction plan intended in preparation to the frequent occurrence of volcanic eruption, typhoon, and the resultant flood.

The presentation emphasized the vital significance of integrating “Risk Management Approach” in any form of planning and developmental initiatives. Identifying the hazards and analyzing the specific vulnerabilities of the communities potentially affected, can help in anticipating the probable risks, and building capacities to manage such risks. The capacity building strategies include facility or safe physical infrastructure development.

Finally, the presentation includes the advocacy of the Department of Health (DOH) regarding its plight for “Hospitals Safe from Disaster”. DOH extensively exerts efforts in its advocacy campaign to divert the attention of all engineers and architects to face the multiple challenges of building “Hospitals Safe from Disasters”. The campaign presses on the issue that “Risk Management Approach” much play primary consideration in building hospitals from the planning stage, to the designing, and even up to the final occupancy stage so that multi-level safety will be observed, implemented, and monitored.

Dr. Carmencita “Baby” Banatin is presently the Director III of the Health Emergency Management Staff of the Department of Health, the primary office responsible for the Management of Health Emergency and Disaster. She had been in the program since 1994 by being once a Program Manager which developed her into more than just a Technical Expert in Health Emergency Management but rather a Guru that knows its helms.

She had widened her capacity horizon in Health Emergency Management through attendance to several local and international training and had likewise shared her expertise in different fields. As a Temporary Adviser of the WHO, she has attended various consultative meetings related to health emergency management, and served as a technical resource, facilitator, and instructor in Thailand, Japan, Vietnam, China and Geneva, Switzerland. Last year, she was designated as the Chairperson of the Regional TWG on Contingency Planning, Preparedness, and Response in Environmental Health Emergencies.

As one of the strong pillars in the development and institutionalization of a National Health Emergency Preparedness and Response Office in the Department of Health, she continuously labors towards fulfilling a vision of developing it as the Asia’s model in health emergency management. She had authored and co-authored several books and publications like the Indicators for Safe Hospitals, Manual on Treatment Protocol, and the revision of the Manual of Guidelines for Hospitals; to name a few. And finally, as a Policy and Reforms Advocate in the Philippines on Health Emergency Management she was instrumental in the signing and dissemination, and implementation of the Legal Mandates on the Institutionalization of HEMS at all levels of the government.
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THIS IS MALOLOS… a town rich in cultural heritage, site of our nation’s finest moments in history and a venue of great possibilities. Located 42 kilometers northeast of Manila, Malolos is the commercial, residential, industrial, residential, industrial, institutional and historical center of the province of Bulacan. Once a simple poblacion, it has grown to be one of the best known local units not only in Bulacan but in the Philippines as well.

Malolos was an encomienda of Tirado before it became a poblacion according to the "Account on Encomiendas in 1591". As it was laid out, it followed ordinances of the Laws of the Indies whereby a certain area was decreed to be of the Church, another for the civil government, another for the principales and so on, along a circular gradient emanating from the town plaza. The roads were also to be constructed in such a way that they radiate at right angles from the center into the four cardinal points. The concept of “centrally located shrines, great market places and open squares” were probably inspired by the practice of the Aztecs of Latin America while the Roman grid system as conceptualized by Vitruvius and developed by the Renaissance became its formal justification.

Because of the ecological terrain of Malolos, it became important in the development of a complex system of roads and waterways in Luzon. A military road connected the poblacion of Bulacan to Manila by mid-eighteenth century while trade towards Pampanga and Pangasinan was through the rivers and the sea. By 1842, Malolos, a newly emerging principalia, was the most populous town in Bulacan.

By the turn of the 19th century, concrete churches, bridges and hispanized homes (Bahay na Bato) were constructed. It was on 1898 that Malolos glittered with pride when the Revolutionary Congress, also called Malolos Congress, convened inside the Barasoain Church with the framing of the Malolos Constitution, “the best gem of glory of the political capability of the Filipino people in those historic times”. The Basilica Minore, known as Presidencia, became the official residence of General Emilio Aguinaldo and the Barasoain Church was the session hall of the Congress.

As to why Malolos was chosen by Aguinaldo as his capital, J.D. Miley pointed its historicity. He said that aside from the town’s accessibility, the real reason for its selection was the fact the “the present revolution had its first beginning there that the place persistently remained a hotbed of revolution, and as a reward for the patriotism and loyalty of this picturesque little town”.

For centuries, the town of Malolos has been engraved in every Filipino’s consciousness of history. It is a town that has witnessed the country’s
The key elements—its physical characteristics, significant events and structures— that are vital to the preservation of Malolos’ unique historical and cultural past.

2. To enhance existing physical elements— spatial and architectural—through the formulation of a development plan that will represent the town’s character and create a means of effectively preserving it as a heritage town.

3. To formulate guidelines and policies towards a realistic and feasible physical development plan through the inputs of community participation.

SCOPE AND LIMITATION OF THE STUDY

The study focuses on the formulation of a physical development plan of a heritage district on the town center of Malolos where most historical sites and ancestral houses are located. Assessment and recommendations with regards to its present land use, traffic, etc. will be considered.

The historic town center identified by the National Historical Institute will be the coverage of the proposed development plan. The study shall be limited to solutions regarding land-use, zoning and transportation that will directly affect the historical center and proposed heritage district.

For ancestral houses needing restoration that are within the proposed heritage district, a detailed study must be conducted separately. All identified heritage sites and structures of the National Historical Institute will be evaluated on its attributes and how it can affect the proposed development plan.

CONCEPT OF STUDY

The following concepts are the basis of this study:

1. The notion of “genius loci” will be used in the formulation of the proposed physical plan of the historical center of Malolos. This notion is based upon the belief that each town has its own individual special uniqueness, character, identity and spirit which differ from all other places—a spirit which has value and meaning to a town’s inhabitants and without which their quality of life would be diminished.

2. Adoption of continuity in planning through the inclusion of a heritage district in the town’s urban fabric.

3. Urban conservation in the built environment can enhance the unique character of Malolos balancing it with its contemporary activities and developments.

SUMMARY OF FINDINGS

Despite the enormous changes occurring caused by the rapid pace and enormous scale of the modernization process, there still remains a place for historical identity in a modern society.

Even before recognized as a component city, the town’s built environment have been silently causing fragmentation and discontinuity to the unique identity of Malolos. Its commercialization gave a dramatic impact on the physical fabric of Malolos, and if not controlled, it might deter the quality of life still enjoyed by the residents.

What is important is to maintain the identity of Malolos through the preservation of its architectural legacy and spatial characteristics and the community must recognize and understood its unique character and work within its constraints. The presence of the historical structures is the starting point of the enhancement strategies proposed in this study focusing on the identification of a historic district on Sto Niño and F.T. Reyes Streets.
In some places, there have been issues and protests in declaring local historic districts claiming that it is merely a government scheme to control private properties. It is not true in the case of Malolos because private owners of these historical structures were very positive. Belonging to the elite family since the 1800s, these people chose to do minimal changes, if any, to their ancestral houses. Most of these houses are maintained by caretakers with the owners living in Manila or have migrated in some other country.

In this proposal, guidelines are less stricter than other historic towns and restrictions in zoning will only be for new and future constructions within the historical center. The plan was to enhance the historical road of Paseo del Congreso whereby street ornaments and decorations will be utilized. Structures along the street will be required to provide additional features such as canopies, grill works, attractive store fronts, plant boxes, lighting fixtures and allowed size of signages. They will be given a maximum of two years to comply.

It was in 1998, during the centennial celebration of the First Philippine Republic, when Malolos was truly recognized by every Filipino. Local and foreign tourist frequented Barasoain Church, with Malolos being included in the itinerary of heritage tours of the Department of Tourism. A potential tourist destination, Malolos offered educational combined with pleasure trip.

The place and the community were not ready for the sudden influx of tourists. There is no other destination other than Barasoain Church and Casa Real Museum. Traffic congestion worsened along Paseo del Congreso. This calls for an effective physical plan included in its tourism program.

Advertising and promotional literature can be a minor ingredient since Malolos is always included in tour packages. What is needed is to offer something visitors can repeatedly come back for. It must be able to feature its local culture including handicrafts, art, music, traditions, etc.

All guidelines and programs must be supported by adequate services, safety and security within the area.

**CONCLUSION**

In a message wrote by Gen. Emilio Aguinaldo for the Bulakan brochure for the Philippine International Affair in 1953, he said that the mere mention of the word “Bulakan” and “Malolos” reminded him of the historical struggle for the attainment of the Philippine Independence and the proclamation of the First Philippine Republic in 1899. Malolos can be found in all historical articles and books about the Philippines. It has played an important role in the cutting of chains of our colonial bondage towards freedom and democracy. For in a sense, Malolos does not belong to Filipinos alone, but to the whole world.5

**Recommendation No. 1**

A physical development plan must be formulated first so as to give spatial dimension to the final development strategy which will be protective of the integrity of the cultural resources and enhance the visual quality of the historic center of Malolos.

While other places are appealing to be considered as heritage sites, like Quiapo and Baguio City, Malolos must be able to make use of its attributes advantageously. For some, having Malolos as historical center is more of a liability than an asset. What is needed is a strong cultural advocacy through the combining efforts of the different cultural groups in the locality. It is important for them to find avenues on how to promote understanding and appreciation of the city’s rich cultural heritage and that its protection preserves the identity of Malolos.

What is important is for the Filipino people to continue to appreciate Malolos as a historically diverse place to work, live and visit. It has its “soul” to offer, the special, unique historical character and identity makes it distinctive from any other heritage district.

The sense of identity of a place provides the identity of its people, and in this case, it is not only of the Maloleños’ but of the Filipinos as well. For us to have a place with its “spirits” alive can make us indispensable from the ill effects of modernization. This study, which has the primary goal of maintaining
Recommendation No. 2
Establishment of design controls for architecture, site designs, and other aesthetic components for development.

Recommendation No. 3
Prepare a set of planning and implementation “tools” that would amend existing local zoning ordinances that will direct development and protect the scenic quality of Malolos’ historic center.
- Ordinance
- Malolos Historical Council
- Malolos Historical Center and Tourism Office

It is in strengthening the sense of place of Malolos can we strengthen the sense of identity of the people, not only of the Maloleños, but the Filipino people as well.

Ma. Saturnina J. Crisostomo-Parungao
A true blooded Bulakeña, Ma. Saturnina C. Parungao is the pride of UAP and her hometown. For the last two decades, she has served in various capacities: educator and dean of Bulacan State University, officer of the Council of Deans and Heads of Architectural Schools in the Philippines (CODHASP), and key officer of UAP Barasaoain chapter. Currently, Parungao is the outgoing district director of A2a

1. Emma Blair and Alexander Robertson, THE PHILIPPINE ISLANDS. Cleveland, p.103
2. Daniel F. Doeppers, ETHNICITY AND CLASS IN THE STRUCTURE OF PHILIPPINE CITIES. PhD Dissertation, Syracuse University, 1971, p. 28
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THROUGHOUT the centuries of Philippine building tradition, from up north of the archipelago to down south, a variety of houses has emerged. Taking on various forms --- the rustic bahay kubo, the elegant bahay na bato, the modest tsalat --- the Filipino house has been shaped by the demands of the environment and available building materials.

Because of our country’s tropical climate, one distinct feature of the Filipino house is the concept of transparency. This characteristic allows for maximum ventilation or better circulation of air, making the house rather comfortable despite the scorching heat and stifling humidity of the tropical climate.

These climatic concerns are addressed with wide windows, elevated floors, roof vents, open porches and fretwork at the upper portions of partitions, giving the Filipino house an airy or maaliwalas ambiance. Hence, making the structure truly “a house that breathes.”

In some parts of Mindanao, particularly around the Davao Gulf area, an architectural detail has evolved in response to the tropical climate --- the okil venting light screen or VLS. This is a creative ventilation detail that brings in outside air and shadowed light into the house’s interior. The light screen consists of repeated patterns of carved wood panels with interesting curving designs in its perforations.

Okil comes from the Malay word “ukil” which means to carve. The VLS’ flamboyant pattern takes off from the okir, the Maranao’s ornate curvilinear motifs applied in woodcarving, popularly found in the panolong, the protruding beam-end of the torogan or the Maranao datu house.

The VLS, while resembling the calado, runs the whole length of the exterior wall and is also found above the window transom and ventanilla, while the latter is mainly positioned in the upper parts of interior partitions. Aside from allowing cross ventilation, the light screen allows diffused light to stream into the house while casting
ornate shadows inside. From the outside, the VLS provides an attractive lace-like ornamentation to a humble wooden structure.

A recent documentation of ancestral homes in Mindanao revealed that this architectural feature developed in the southern parts of the island in the early 1900s and eventually disappeared around half a century later. This was the period when large plantations were established in Mindanao, which brought an influx of migrants from different parts of the country. The region, thus, became a melting pot of cultures, bringing together varied building traditions.

During the study, the researchers were able to locate in the sleepy town of Baganga, Davao Oriental, a living artisan of the okil VLS, Hipolito Mulato, who, with other apprentice carpenters from Bohol, travelled to Davao in the 1930s in search of livelihood. Later, becoming a master carpenter, Mr. Mulato, now an octogenarian, would incorporate Mindanawon motifs into his carpentry know-how. His masterpieces, proud residential structures of yore, now dilapidated, can still be found around Bangaga.

Artistic details, though not imperative in building function, plays an important role in architecture. The okil venting light screen was able to fuse both. Indeed, its an outstanding architectural detail that combines fascinating ornamentation with the important demands of tropical design.
Macao
Something Old, Something New

Photos by Fr. Ray Bernard Martinez and F. A. Tejuco, Jr.
Editor's Note: Article was originally published in the UAP Post; Vol. 34, Issue No. 2 February 2009.
I BELONG to a small class of architects and aspiring planners, who are taking up a master’s degree in Architecture at the UST Graduate School (USTGS). Last October 2008, to further our education, Prof. Connie Roxas, an architect-environmental planner, led us on a four-day cultural trip to Macau-Hongkong. She is escorted by her spouse, Eghai, a visual artist and UP alumnus, and Manuel Noche, fellow faculty member in the USTGS and College of Architecture.

Mostly Thomasians, my architect classmates are Tony-Kar Balde, former colleague of Prof. Roxas, and Shalla Billano with husband Ian, both from Pampanga and members of UAP Angeles chapter. The other architects were Rino Fernandez, also professor of UST College of Architecture with wife Josie and Rino’s co-faculty member, Juanito Malaga; former nun Jenny Sanchez of UAP Quezon chapter and co-chapter member Warren Quiambao and wife Tutit; and Anthony Sarmiento, the youngest of the group. The only non-architect, Fr. Ray Martinez, a classmate of mine in Cultural Heritage Studies (CHS), completed the group of 15.
Urban Macau

The trip from Manila to Macau was almost an hour via Air Macau airline. Upon arrival, we made our way from the customs department to the airport lobby where we were welcomed by our Chinese tour guide. A not-so patient man, he herded the group to the shuttle. Because of time constraints, we immediately headed to the Fisherman’s Wharf for lunch. The buffet table was filled up with a variety of meat and fish, fruits and vegetable, and pastries. It was followed by a quick tour and photo-ops of the Wharf before we continued our half-day tour.

Indeed, Macau is similar to the Philippines in a lot of aspects. Under the colony of Spain’s rival then, Portugal’s influence is evident in Macau’s grid-typed plans, stone structures and Catholic churches. On the other hand, some of those built even before the coming of the Portuguese remains alive today like A-Ma Temple. It is a variety of pavilions dedicated to the worship of different deities inspired by various religions like Confucianism, Taoism and Buddhism.

It was almost 6 pm when we checked-in to our hotel, Fu Hua Guang Dong Hotel is a modest-multi-level structure located at the intersection of Avenida Costa e Horta and Rua de Xavier Pereira, which is a bustling commercial area. Having refreshed ourselves, the group decided to have dinner in a noodle house and make a quick night tour before finally returning to the hotel.

Heritage appreciation

On our second day, as the group split up, Anthony and I decided to join Fr. Ray to experience Coloane. Along the way, we passed by churches and a cemetery, government buildings and a nearby market. One of my favorite is the strip of Rua de Roque, which boasts of two-story ochre painted residences. After several roadblocks, we found the right bus for Coloane, which is a laidback fishing port. We first had lunch at a pasta-pastry shop, served by a waiter from the Visayas. Fr. Rey conversed with him in their native dialect. Properly fed and rested, we made our leisurely stroll. There, old buildings from temples and churches and houses stood side by side with modern architecture. One of these is the Church of St. Francis Xavier. The simple interiors are highlighted by the black marble altar. After rounds of photo shoots, to the delight and dismay of Fr. Ray, we headed back to the city by 3pm.

We enjoyed the remaining hours visiting the Church of St. Anthony and the Macau Museum of Art. Surprisingly, in certain galleries, they allow photo and video shoots as long as there will be no flashes. When we reached the uppermost floor, which houses historical documents, we met two more Filipinos both working as security personnel.

From the museum, we made our way to the commercial district just blocks away. Famous branded shops lined up the European-inspired shopping square. Fr. Ray went to a bookstore and bought two art books. Both Anthony and I haggled for some souvenir items.

Before going back to the hotel, we decided to make one last stop: Hotel Lisboa. A towering steel icon at day, it is a colorful, flaring tower by dark. Together with other tourists, we took photos of each other beside this magnificent display of lights.

Souvenir shopping

With enough memories and photos of Macau, the next day was set for Hongkong. The fastest route was through the Turbojet Ferry. Upon arrival, breakfast was followed by alternate walking and use of the subway. Still divided into groups, this time, I was in the company
of Prof. Roxas and her husband, couple Ian and Shalla, and Tony-Kar. The first stop was the Peak Tower via tramway. The wax statue of Jacky Chan welcomed us at the station. In 30 minutes we made our way to the Tower and enjoyed a bird’s eye view of Hongkong and the cool breeze. After a quick lunch, we headed for the flea market near Public Square Street via Hongkong streets and the subway.

Minus the merchandise and the Chinese-speaking locals and signages, The night market is no different to the market stalls Carriedo back during the days of Mayor Atienza. Shalla bought a jade chess playset. Eghai got his money’s worth for a vintage watch. I bought some chopsticks and a red shirt with the word “Buddha” printed in Chinese. After two hours, we chose to have dinner along the streets. Diners here were open under the night sky and sandwiched between passing cars and market stalls. I particularly enjoyed the buttered chicken with lemon sauce and sautéed fish in basil leaves. We returned to Macau before midnight.

The following morning, Anthony and I made one last tour of Macau. After some last minute shopping at a nearby grocery store, we returned and readied ourselves.

In many ways, Macau is like Manila. And one of the most admirable is that they made heritage tourism work. It was sincere and unpretentious, making me wonder if there’s a chance we can do the same here in Manila. Who knows?
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SUSTAINABLE architecture is a general term that describes environmentally-conscious design techniques in the field of architecture. Sustainable architecture is framed by the larger discussion of sustainability and the pressing economic and political issues of our world. In the broad context, sustainable architecture seeks to minimize the negative environmental impact of buildings by enhancing efficiency and moderation in the use of materials, energy, and development space.

The construction and operation of buildings consume the majority of the world’s natural resources and energy, and contribute the bulk of landfill waste. This presentation introduces the concept of Feng Shui in sustainable architecture and gives an overview of the principles of Feng Shui which are inherently within the sustainable building movement: namely, treading lightly on the Earth and using her resources wisely. However, there is a significant part of Feng Shui that is often missing from typical green designs. This wisdom can be integrated into sustainable-design practices to enrich human beings through better physical and psychological health.

Feng Shui affects you every moment of your life, whether you realize it or not. The Feng Shui of your home, your workplace, your office, your child’s school, even your supervisor’s office impact the quality of your energy and how you experience life in those places.

The principles of Feng Shui state that you are always under the influence of universal energies, or chi. The Chinese describe energies as being yin (passive) or yang (active). For harmony to exist, and therefore, health and well-being, the energies need to be in balance. Negative chi, or energy that is out of balance, contributes to stress, depression, and illness. Negative chi can affect you consciously—such as the stress of being in traffic jam on the way home from work—or subconsciously—such as the stress you will experience as you sit with your back to the office door. This form of subconscious stress grows and accumulates throughout your day. A poorly laid out office plan with sharp angles, a darkly lit entrance to your home, and clutter piled up in your foyer will add stress subconsciously and, with repeated exposure, can lead to depression and illness.

Using the natural movement of chi, the polarities of yin and yang, the five Chinese elements, and the Bagua (a map based on astronomy and calendars), Feng Shui principles can create a more holistic space that nurtures physical and psychological health and well-being.

Feng Shui is the original “green living and design” movement. Nowadays, these new disciplines of green building and sustainable design are concerned primarily with the Earth, energy efficiency, and water management. Feng Shui creates a more holistic approach by bringing in the concept of the human element and psychological well-being. Whether they’re newly constructed LEED-certified or Energy Star buildings or existing structures, the lives of those who reside and work in them can be enhanced by incorporating ancient Feng Shui principles.

Some architects understand the power of Feng Shui. Some have become Feng-Shui certified, while others work with Feng Shui consultants on their designs. From health-care facilities to office parks and residences, Feng Shui is enhancing the lives of people in the West at a rate greater than ever before. It’s vital that this “green” movement not only continues to grow into the mainstream, but that Feng Shui principles are integrated to create healthy buildings in every sense of the word.

Two Main Cycles of Interaction Between the Five Feng Shui Elements:

**PRODUCTIVE CYCLE** (Creative Cycle)
Water nurtures Wood nurtures Fire nurtures Earth nurtures Metal nurtures Water

**DESTRUCTIVE CYCLE**
Water weakens Fire weakens Metal weakens Wood weakens Earth weakens Water
Visual Alignments - living area, the furniture diverts the view to the exterior garden (room alignment reinforced through use of a central background painting and carpet) the visual alignments set perpendicular to each other allowing both spaces to synergize (no conflict with one another) general furniture layout arranged so visual attention is directed towards the garden outside (encourages energy to accumulate in the main living area before flowing into the rest of the home) entrance foyer, flanked by a set of paintings of protective symbols; corner windows enforce the prominent nature of the main door create protective Chi

Integrating the 5 Elements into a Design Feature
- layout is focused on a central perspective theme
- to integrate the 5 elements: fire element from light energy through a skylight; exterior walkway surrounding the living area flanked by landscape stone pathway, surrounded by a reflection pool add elements of earth and water; plants (wood energy) used as feature wall in the background soften the overall perspective view; element of metal (color grey) is highlighted by a feature wall within the enclosed space itself
- settee placed in center with carpet border surrounding a central marble floor (creates a break between the hard floor and wall surfaces - softens the expression of the space/created a yin and yang effect on the floor better balancing chi energy

<table>
<thead>
<tr>
<th>ELEMENTS</th>
<th>Color</th>
<th>Physical Attributes</th>
<th>Shape</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rising FIRE energy in your space activates your personal energy</td>
<td>red, orange, purple, pink, and strong yellow evoke expression of heat and vibrancy - emotional response to yang energy</td>
<td>lights and physical heat (fireplace or kitchen) south, southwest, and northeast décor accessories (red painting, a vase, or a red piece of furniture)</td>
<td>triangle</td>
</tr>
<tr>
<td>EARTH element in your home will help create stability and harmony in all your relationships</td>
<td>light yellow, all sandy, and all beige colors</td>
<td>center of your home, as well as northeast and southwest wall color, or the color of upholstery fabric or art</td>
<td>square</td>
</tr>
<tr>
<td>WATER - Symbol of abundance. A balanced energy in your space will bring a refreshing energy of calm, purity, trust, and renewal</td>
<td>black and blue A gentle light blue wall color can considerably refresh and uplift your space.</td>
<td>north, east, and southeast areas of your space choose to go for an art depicting the water element</td>
<td>wavy</td>
</tr>
<tr>
<td>METAL element that brings the energy of clarity, preciseness and focus.</td>
<td>whites, grays, and all metallic surfaces</td>
<td>The west, northwest, north area of your space. Paint your wall with a coat of fresh white paint, or go for predominantly white furniture.</td>
<td>round</td>
</tr>
<tr>
<td>WOOD element in your space that will bring the energy of vibrant health and lush abundance.</td>
<td>brown and green</td>
<td>east, southeast, and south areas of your space A light green wall color can be an excellent choice for a home office or a family room</td>
<td>rectangular</td>
</tr>
</tbody>
</table>

Annie Corpuz-Pugeda
- Graduate of University of Santo Tomas Batch '86 with a degree in Bachelor of Science in Architecture
- Took the Architecture Licensure Examination in June 1989 and ranked 14th
- An academian in Architecture schools since 1990
- Attended the Advanced Training on Conservation and Management of Heritage Structures in Lund University, Sweden last September 2008 and March 2009 in Manila, Philippines
- Speaker in various organizations like UAPGA, PIA, FEU, UAP and WorldBex
- Took her Master of Arts degree, Major in Instruction and Curriculum in the FEU Institute of Graduate Studies last March 2005
- Presently teaching with a rank of Associate Professor II at the Institute of Architecture & Fine Arts of the Far Eastern University
- Presently connected with JPT Architecture Review Center and has been a Reviewer in Utilities and Architectural Design since 1991
- She is also the Institute Coordinator of the FEU Institute of Architecture & Fine Arts Architecture Licensure Examination (FEU IARFA ALE) Review
- Held various posts in the United Architects of the Philippines, like Chair of the World Architecture Day 2008, being the Chair of the UAP Balangkas, Chapter President of the UAP Manila Centrum Chapter from 2004 – 2007, Secretariat Chair of UAP National Conventions & Conferences and the Nationwide Architecture Week.
- Have studied Basic Feng Shui from Arch. Calet Alviar Rapsing, her mentor

Images courtesy of Feng Shui World (Jan./Feb. 2008)
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EVEN IF IT is against what is ideal, people always tend to judge a book by its cover. They perceive people’s characters, almost by instinct, by glancing at their physical looks. And admit it, the same principle applies in appreciating or criticizing architecture. Many architects always base their first impressions on buildings on its skin.

Although emerging from the French word that means “frontage” or “face”, the word “façade” is also used to refer to the other exterior elevations of the structure: the sides and the rear. Since it consists of anything that can be seen from the outside, building facades contribute big time to the identity and character of a building. And with a group of buildings, it does so to the all-embracing urban setting.

Just like book covers, facades carry the synopsis of a building’s tale. It tells of the age on when it was built just like in the Spanish and American-era houses and buildings that stand among modern edifices in many cities here in the country.

Every intricately-carved detail narrates the sweat and passion of the local craftsman who tediously worked on it. One can’t help but be in awe every time he lays his eyes on these buildings considering the primitive ways that they have to employ during those years and still come up with great profiles and proportions in their architecture.

Facades of old structures are mostly treasured. This led to facadism, a “practice of renovating old buildings leaving its façade intact while demolishing and rebuilding its innards” (Wikipedia). While it is considered as a trade-off between conservationists and property developers, it hampers with the overall integrity of the building and its spaces and goes against the regulations enshrined in the various charters of the International Charter on Monuments and Sites (ICOMOS). Still, the practice appears especially in cities subjected to the rugged duress of development.

Now, the advancement in technology presents a plethora of opportunities for architecture. There are more options for materials and construction methods that make almost any audacious concept whirling in the architect’s brain box possible.
Today, building façade design are more than just eye candy. Contemporary building facades have adapted less of the embellishments that defined colonial architecture, evident in old churches and institutional buildings and more on functionality. Strategic positioning of sun shades and fenestrations have not only brought up interesting patterns on the elevations but also allowed regulated amounts of natural lighting and ventilation inside the building. Railings and bars do not only equate to horizontality in vertical construction but also serve other purposes like utility and maintenance. Cladding materials are more than just enhancing the motley atmosphere in the exteriors but could serve as insulation or for easy cleaning.

First impressions are not always lasting. And architectural facades share the sentiments of book covers that beg not to be judged prematurely. Each of these facades, may it be from the pre-Spanish years or from the current era of avant-garde design principles, have a story to tell. The story could be enthralling enough for the people to discover more of the building, its spaces and its history, enabling them to eventually appreciate (or constructively criticize) its architecture as a whole. All these depend on one’s readiness to listen, feel and embrace its tales.
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THE WORLD is transforming into a global economy. Presently, the building and construction sector is accelerating at a very rapid pace. The adverse impacts of increased building activity are remarkable in our land, in the air we breathe, on human health, our heritage and overall quality of life.

Globally, the United Nations Environment Programme (UNEP) estimates that the built environment is responsible for 25-40% of energy use; 30-40% of the solid waste generation, and 30-40% of greenhouse gas (GHG) emissions worldwide.

In the Philippines, there is an alarming increase in the environmental impact that built environment creates. The solid waste problem is mounting in the metropolis; an energy crisis is expected in the next few years, and our water resources are fast depleting.

There is an estimated 8,000 tons per day of solid waste generated in Metro Manila alone. The Department of Energy targets to increase the Philippines’ current oil and gas reserves from the year 2004 level of 69.5 million metric tons of oil equivalent (MMTOE) to 83.6 MTOE by 2014 due to increased energy demand. Waterborne diseases account for about 30% of all reported diseases from 1996-2000, largely due to improper wastewater management and with only 6 out of 115 Philippine cities having sewerage systems. These figures reflect the current stress in the Philippine environment that needs to be directly addressed.

These negative occurrences are largely due to the tremendous growth presently experienced by the economy and the rapidly increasing construction activity due to increased population in the city centers. The property sector’s expansion is fueled by the demand for new and premium office space required by the business process outsourcing (BPO) and by the increased dollar remittances of Overseas Filipino Workers (OFW) that stimulated the accelerated development of more residential condominiums.

GREEN BUILDING

Green Building is the practice of designing, constructing, operating, or reusing buildings in an ecological and resource efficient manner. It focuses on the promotion and practice of sustainable site development, improvement of indoor air quality, efficient energy, water management, utilization of green materials and the preservation of cultural heritage.

When buildings use less energy it reduces the demand for government to build more power plants. Improved quality of effluents from buildings helps the government maintain cleaner water resources. Improved resource management practices enables businesses to reduce waste generated at job sites, thus, requiring less landfills.

The reduction of the negative impacts associated with building construction promotes the preservation of the natural ecology. It is a major contribution of the business industry in the protection of the environment.

Sustainable building improves the productivity of businesses. Healthier workspaces promote building occupants comfort and health and boosts employees morale. As the business industry increases the uptake of sustainable building strategies, they are realizing that first costs are now very competitive. Accessibility to greener building materials, technology and information are accelerating the acceptance of sustainable building. With a mature market ready to embrace sustainable building, businesses will be reaping the marketing benefits that are provided by sustainable building. This enables businesses to maintain competitiveness and improve their bottom-line.

Green Building Rating Tools Implemented Around the World

Presently, there is an increased uptake in green building practices around the world. Several countries have established rating systems that are used as a benchmark in evaluating the level of sustainability of buildings. They provide identifying tools implemented around the world.
marks, plaques and/or certificates that easily inform the public that the claims of a building developer are verified by a third party organization and that the building has passed the rating system. These rating systems continue to evolve to address technological advancement and best practice in green building.

The following are some of the leading examples of green building rating systems:

<table>
<thead>
<tr>
<th>RATING SYSTEM</th>
<th>ORGANIZATION</th>
<th>COUNTRY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leadership in Energy and Environmental Design (LEED)</td>
<td>US Green Building Council (USGBC)</td>
<td>United States of America</td>
</tr>
<tr>
<td>Building Research Establishment Environmental Assessment Method (BREEAM)</td>
<td>UK Green Building Council (UKGBC)</td>
<td>United Kingdom</td>
</tr>
<tr>
<td>Hong Kong Building Environmental Assessment Method (BEAM)</td>
<td>HK Beam Society</td>
<td>Hong Kong</td>
</tr>
<tr>
<td>Comprehensive Assessment System for Building Environmental Efficiency (CASBEE)</td>
<td>Japan Sustainable Building Consortium (JSBC)</td>
<td>Japan</td>
</tr>
<tr>
<td>Green Star</td>
<td>Green Building Council Australia (GBCA)</td>
<td>Australia</td>
</tr>
<tr>
<td>BCA Green Mark</td>
<td>Singapore Building and Construction Authority (BCA)</td>
<td>Singapore</td>
</tr>
<tr>
<td>SBTool</td>
<td>International Initiative for a Sustainable Built Environment (iiSBE)</td>
<td>Canada</td>
</tr>
<tr>
<td>Green Globes</td>
<td>Green Globes</td>
<td>Canada, U.S.</td>
</tr>
</tbody>
</table>

Credits are given to every area/part of the building that shows good environmental performance. These systems are a good way of validating the developer’s claims of the good environmental performance of their products. Certified assessors/auditors inspect, evaluate and benchmark the building against a green building rating system to assess the building’s level of sustainability. Property brokers are using the results (especially if the building is rated excellent) of these rating systems to promote the environmental friendliness of the building. Architects and engineers are using it as a guide in improving the performance of their designs. Property managers are using it to measure the performance of the buildings, develop action plans, and to monitor and report performance.

**Need for Measuring Environmental Performance**

In the Philippines, as the market matures into “green consumers”, architects, engineers, real estate developers, and material suppliers are using “green” credentials to attract the public into buying their products and services. At the moment, these activities continue to confuse the public because a rating system that will enable buyers to verify these claims does not exist.

A green building rating system encourages stakeholders to consider the use of concepts, green building materials and technology at the earliest possible opportunity to increase the chances of getting higher ratings. The Philippines need to have a nationally recognized and industry accepted rating system in order to measure the environmental impact and performance of buildings.

**The PHILGBC and its Vision**

The Philippine Green Building Council (PHILGBC) is a national non-profit organization that promotes the sharing of knowledge on green practices to the property industry to ensure a sustainable environment. The Council is an alliance of building and construction industry leaders from both the public and private sectors that shall be the non-partisan venue to develop a nationally accepted and recognized green building rating standard.

**Organizational Setup of BERDE**

The BERDE Program shall be administered and implemented by a multisectoral body to ensure a socially and technically balanced green building rating system. The body shall be appointed by the board of the PHILGBC from its members. The PHILGBC may also involve non-member organizations, associations and companies that
are essential in the development of the rating system.

1. BERDE Board (Program Steering Committee) shall be created, with its members to be appointed by the PHILGBC Board of Trustees. The Steering Committee shall be referred to as the BERDE Board. It shall be composed of the following PHILGBC members and partners:

1.1. Representatives from the following Networks of the PHILGBC:

1.1.1. Building Professionals
1.1.2. Developers
1.1.3. Property Managers
1.1.4. Material Suppliers
1.1.5. Advocacy
1.1.6. Academe
1.1.7. National Government Agencies
1.1.8. Local Government Units
1.1.9. Chambers of Commerce
1.1.10. United Architects of the Philippines
1.1.11. Philippine Institute of Civil Engineers
1.1.12. Institute of Integrated Electrical Engineers
1.1.13. Philippine Society of Mechanical Engineers
1.1.14. Energy Practitioners Association of the Philippines
1.1.15. Solid Waste Management Association of the Philippines
1.1.16. Banking and Finance Associations

The BERDE Board shall deliberate on the merits of the rating system, as presented and endorsed by the Technical Working Group. The BERDE Board shall vote on the rating system. Once passed, the rating system shall be forwarded to the PHILGBC Board of Trustees for approval and implementation.

2. BERDE Development Team (Technical Working Group) shall be selected from the PHILGBC membership based on expertise and experience on the different issues of the built environment. They shall be formed to conduct research and development work related to the development of BERDE. The Technical Working Group shall be known as the BERDE Development Team.

3. Special Committees may be formed to address specific issues that may arise during the development of BERDE. The work of the Special Committees shall be assembled, collated, reviewed and integrated to the working draft of BERDE by BERDE-DT. The members of the Special Committees are specialists in their respective fields of study and shall serve as advisers to the BERDE-DT.

4. BERDE Secretariat (Administrative Support Staff) shall be formed and organized by the PHILGBC Board of Trustees as part of the PHILGBC Secretariat, whose work shall focus on supporting the administrative requirements of BERDE. This group shall be referred to as BERDE Secretariat.

Program Mobilization

The PHILGBC along with its supporting partner institutions and organizations shall be setting up the BERDE Secretariat that shall assist in administering the program. Administrative support staff and consultants shall be hired on a case to case basis as the BERDE Program develops. The BERDE Secretariat shall assist and support in the fund campaign work of the PHILGBC.

Program of Activities for the Drafting of BERDE

1. First Roundtable Discussions with Different Stakeholders

Roundtable discussions and workshops shall be conducted, led by BERDE-DT with the PHILGBC General Membership and various interest groups. The discussions will be designed to gather information on efficiency and conservation of energy and water; sustainable site selection; utilization of greener materials; solid waste management; improvement of indoor environment; preservation of cultural contexts and building operations and management.

The Roundtable Discussion participants shall be invited to submit documentation on best practices, position papers and relevant researches as their contribution to the development of BERDE. Organizations shall be invited to have their projects piloted using BERDE as its green building guidance and rating system.

2. Preparation of First Draft of BERDE

The BERDE-DT shall conduct additional research on existing best practices in the field of green building rating systems, on green building design, construction methodology, material and equipments resource utilization and availability, operating and maintenance processes, and the consequent environmental and social impacts of said activities. Existing Philippine environmental laws, rule and regulations affecting the design, construction and maintenance of buildings shall be complied and reviewed. Information gathered during the first set of Roundtable Discussions shall be reviewed and evaluated and be made part of BERDE. The evaluation criteria for BERDE shall be drafted by BERDE-DT. Consultation meetings and focus group discussions with experts, academicians, and industry shall be held on a per need basis. The First Draft shall be published and released to the public to further solicit comments and suggestions.

3. Second Roundtable Discussions with Special Focus on Usability

To ensure that the different issues and concerns on implementing BERDE in the different regions in the Philippines are addressed, a second set of Roundtable Discussions shall be conducted in the National Capital Region, Luzon, Visayas and Mindanao. The BERDE Draft shall be presented to stakeholders to further solicit comments. During the discussion, the usability of the system shall be discussed and the BERDE Draft, along with a Usability Survey Form shall be distributed to architecture and engineering firms, contractors, developers, regulatory agencies, material suppliers, utility companies and property management firms.

BERDE is further reviewed with the help of these stakeholders, who may provide constructive criticism to better improve the performance and design of BERDE. Companies and organizations who volunteered to pilot BERDE shall also be part of the discussions. Issues and concerns regarding the piloting of projects may be raised during the
discussions. The First Draft of BERDE shall be released to the public to further solicit comments.

4. Preparation of Second Draft of BERDE
   Inputs from the Second Roundtable Discussions and comments generated from the public release shall be incorporated to working draft of BERDE by the BERDE-DT. Rules for the certification process and the balloting procedures shall be formulated by the BERDE-DT and be submitted and endorsed to the BERDE Board for approval. The Second Draft of BERDE shall be presented to the BERDE Board for approval for Balloting.

5. Balloting
   A PHILGBC General Membership Meeting shall be held specifically for the Balloting of BERDE. If the BERDE Draft passes in accordance with the Balloting Procedure, as approved by the BERDE Board, it shall be declared by the BERDE Board as an official release of BERDE.

**Other Activities to be Conducted to Promote BERDE**

1. Fund Campaign
   The PHILGBC shall launch an industry-wide fund campaign to address the financial requirements of the development of BERDE. BERDE-DT shall be conducting information drives with emphasis on why we need to support the development and implementation of our own ratings system. Information on BERDE shall be distributed to companies and development agencies whose goals are aligned with the objectives of BERDE. With the increase of concern on the protection of the environment and climate change, organizations and companies are expected to contribute to BERDE as part of their Corporate Social Responsibility goals.

   The BERDE-DT shall be drafting a Fund Campaign Plan that will serve as a guide for fund raising activities related to the development of BERDE. The Fund Campaign Plan shall be executed upon approval of the PHILGBC Board of Trustees.

2. Awareness Campaign
   The PHILGBC will conduct a massive information campaign to increase the awareness of the public and private sector on BERDE. The Council will utilize all types of information dissemination platforms such as the television, print (newspaper and magazines), and radio and internet media to further inform the public about BERDE.

   In order to better promote the BERDE Rating System, a training team composed of the BERDE-DT shall conduct an orientation-seminar for highly urbanized cities and municipalities to encourage the use of BERDE and orient them on how to use the rating system.

3. BERDE Program Launch
   The BERDE Program shall be launched by the PHILGBC, together with building industry sector partners and government during Building Green 2009. The BERDE Program launch and Building Green 2009 will be managed by a Special Committee of BERDE appointed by the PHILGBC Board.

4. Launch of BERDE
   BERDE shall be launched by PHILGBC with industry partners and government. Benefits gained by companies and organizations that piloted BERDE shall be highlighted. The progress on the uptake of BERDE shall be reported during this event and the public shall be invited to adopt and utilize BERDE in their projects. Industry shall also be invited to continually contribute to the development of the BERDE Program to further improve the performance of the rating system.

5. Market Development Project
   A Special Committee shall be formed to initiate meetings with financial institutions and the government sector and explore possibility of creating incentive schemes for proponents of green buildings. Simultaneously, an information campaign shall be conducted, targeted at consumers, to explain the benefits of greener buildings. These events shall be designed to create interest and awareness and is expected to stimulate the uptake of green buildings.

6. Training of BERDE Professionals
   A Special Committee shall be formed to develop the training module of BERDE. The public shall be invited to enroll in the training program and its graduates shall be referred to as BERDE Professionals. The BERDE Professionals shall serve as project assessors and consultants for the delivery and implementation of BERDE. The BERDE Training Program shall be part of the funding mechanism of BERDE.
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Sustainable Spatial Neighborhood Design in Land Use Planning
Towards an Acceptable Walkable Distances of Neighborhood Activities in the Built Environment Using GIS

The researcher proposed model is a supplemental spatial design, called KABATI-an, which aims to take-off from currently used approaches, especially CLUP model approach used by the HLURB. The word “Kabati” means “you are one or together” in all aspects of endeavor. KABATI-an is an acronym for: KA for kabarangay (community) or kabario (barrio/area) or kalalupit-bahay (single house /building) of a barangay; TI for tipak (block); and AN for daan (street) and daanan (passage/ passageway). The model is essentially unique as it addresses the need for a barangay-level sustainable urban land use planning approach that focuses on criteria assessment and performance indicators in accessibility; potential delivery & catchment population; efficiency & effectiveness of local activities, built places, & natural resources, and transport cost. For comments and suggestions, you may contact the author via email connievroxas@yahoo.com or text 0919 6453935.

THE FOCUS of this paper is sustainability in the built environment, where adjoining location of facilities in living, working, playing and including praying activities in the barangay, is viewed to be safe and healthy. It compares ideal walkable distances in the highly urbanizing barangay in an adjoining municipality of an emerging region in the Philippines. It used two (2) performance indicators using the computer-aided tool of the Geographic Information System (GIS) and the Global Positioning System (GPS). These are in: a) catchment population (gross residential density in per person per hectare (ppha) and catchment area radius (in meters); and b) efficiency & effectiveness of local built facilities in meter distances at minimum reasonable accessibility standards or walkable distances at different gross densities (ppha).

Discussions of the paper compare the existing conditions in Barangay Sto. Tomas, Binan, Laguna to a pre-selected ideal catchment radius of 100 persons per hectare (ppha) within distances of local activities in a direct line radius application using GIS.

The outputs are the spatial framework plan and developing acceptable walkable distance standards. The expected results are centered in deriving exact built facilities and averages of its walkable distances in the thirteen (13) villages of Barangay Sto.Tomas. It further developed acceptable sustainable policies in a catchment population thru GIS/GPS composite analysis maps for: public transport routes & nodes; green space/waterways system; pedestrian accessibility system; main network of streets and roads; and the land use pattern and density gradient.

The ideal walkable distances\(^2\) in local activity /services destinations is accounted for parks/open spaces (200m); local shops (200m); nursery school (400m); elementary school (500m); community center (500m); pub/eateries, post office, local center/barangay hall, if any, (600m); secondary school (private) (700m); health center, 4d

(800m); secondary school (large) (1,000m); district center/superstore, and leisure center (1,200m). In minutes and hourly time compared to meters, it is: ½ hour walk = 100 m, 1 hour = 200 m, 2 hours = 400 m, 4 hours = 800 m, 5 hours = 1,000m.

The GIS/ GPS results indicated the averages exceeded the allowed catchment area straight line radius. Most of the residential villages either did not provide the built facility as needed, or were not pursued at all. It also showed that sharing and overlapping of built facilities are mostly present in dense villages. Hence, it can be assumed that most highly urbanizing barangays in the country need to be exposed to the above sustainable performance indicators. The computerized system of GIS/GPS is a very efficient analytical tool to determine the availability and capability of the land and its resources. While there is a set vision, it also takes the concerted efforts of all stakeholders to achieve the intended safe and healthy barangay community.

Overview

In applied planning problems of contemporary societies, a vital issue in sustainability is neighborhood design and land use development. Relative to it is the health-related issue in the proper development of activities and places. The ‘New Urbanism’ movement adopts a system of ‘smart codes’ where walkability and smart transportation is measured at approximate distances of location to local facilities (Congress of the New Urbanism, 2000). Indicators in evaluating the performance of urban development relate to the activities of the households and organizations and the way in which they relate to each other in most cities (Bertuglia, et al, 1994). The activities of living, working, playing relate to the nature of the built environment and natural places to achieve a healthy city (Barton, 2003).

However, the activity of praying is an important Filipino lifestyle which is included in this study. The Philippine neighborhood is the locale for barangay (Ortiz,
Sustainable design, planning and development is embodied in the Comprehensive Land Use Plan (CLUP) in all spatial levels (HLURB, ‘Planning Strategically’ 2001). The researcher expounded the issues mentioned in this guidebook and hopefully, be able to develop a sustainable land use modelling to its identified urban problems.

Current literature in local area or neighborhood urban planning are not enough. The excerpt of this paper attempts to provide performance indicators though the concepts of ‘notional provision’ of walkable distances and ‘catchment population’ and its interactions to each other.

**Background of the Study**

The emerging regions and its adjoining towns/municipalities in the Philippines are fast experiencing rapid growth and urbanization. Emerging Metro CALA (Cavite-Laguna) has public utilities/infrastructure in its threshold limits coupled by consumed environmentally sensitive natural reserves. The medium-sized town of Biñán (with 24 Barangays), is part of the first district of Laguna. It is as one of the four (4) lakeshore towns between Metro Manila in the north and Laguna’s growth centre of Calamba in the south.

It adopted the flexible land use plan that has mixed-use land classifications with five (5) distinct major zones of development. The expected developments are initiated by the private sector where there are no viable standards on site planning and architectural design to be used to resolve land use conflicts. Land use practice and implementation measures of the current CLUP (HLURB, 2001) are yet to set in place in relation to existing thresholds of their built environment (infrastructure, roads, paths, utilities, etc.) and its natural resources (the green spaces and systems). These practices fall short when compared to international design guidelines and planning standards in sustainable local area (Tables 1-2).

However, this study is delimited to the Built Environment where adjoining location of facilities in living, working, playing and praying (vital to a Filipino lifestyle) activities in the community is seen as safe and healthy measured in walkable distances indicated by performances of catchment population (gross residential density in person per hectare (ppha) and catchment area radius in meters); and efficiency & effectiveness of local built facilities in meter distances at minimum reasonable accessibility standards at different gross densities (ppha) using the computer-aided program of the Geographic Information Systems (GIS).

**Study Area**

Barangay Sto. Tomás (formerly Calabuso) in Biñán, Laguna is located northwest of the Biñán River where low to medium-intensity residential

---

### Table 1 Catchment population

<table>
<thead>
<tr>
<th>Gross residential density</th>
<th>200 m</th>
<th>400 m</th>
<th>600 m</th>
<th>800 m</th>
<th>1,000 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct routes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bendy routes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Direct routes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bendy routes</td>
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<td>Direct routes</td>
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</tr>
<tr>
<td>Bendy routes</td>
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<tr>
<td>Direct routes</td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bendy routes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30 ppha</td>
<td>375</td>
<td>210</td>
<td>1,500</td>
<td>850</td>
<td>3,400</td>
</tr>
<tr>
<td>40 ppha</td>
<td>520</td>
<td>280</td>
<td>2,000</td>
<td>1,130</td>
<td>4,600</td>
</tr>
<tr>
<td>60 ppha</td>
<td>780</td>
<td>420</td>
<td>3,000</td>
<td>1,700</td>
<td>6,900</td>
</tr>
<tr>
<td>80 ppha</td>
<td>1,000</td>
<td>500</td>
<td>4,000</td>
<td>2,260</td>
<td>9,000</td>
</tr>
<tr>
<td>100 ppha</td>
<td>1,300</td>
<td>700</td>
<td>5,000</td>
<td>2,820</td>
<td>11,300</td>
</tr>
</tbody>
</table>

ppha = persons per hectare

NB: Bendy routes assume 75% per cent of the direct-line radius, giving around 55% of the catchment population.

Source: Doe 1993, Barton and Tsourou, 2000

### Table 2 Accessibility standards

Accessibility standards are used to ensure facilities are as walkable as possible.

<table>
<thead>
<tr>
<th>Local facility</th>
<th>Catchment populations</th>
<th>Minimum reasonable accessibility standards at different gross densities (assume bendy routes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parks/ Open Spaces</td>
<td>200 m</td>
<td>40 ppha, 60 ppha, 80 ppha, 100 ppha</td>
</tr>
<tr>
<td>Local shop</td>
<td>1,500</td>
<td>500 m, 400 m, 400 m, 300 m</td>
</tr>
<tr>
<td>Nursery</td>
<td>2,000</td>
<td>600 m, 500 m, 400 m, 300 m</td>
</tr>
<tr>
<td>Elementary School</td>
<td>4,000</td>
<td>800 m, 700 m, 600 m, 500 m</td>
</tr>
<tr>
<td>Community centre</td>
<td>4,000</td>
<td>800 m, 600 m, 600 m, 500 m</td>
</tr>
<tr>
<td>Post office</td>
<td>5,000</td>
<td>800 m, 700 m, 600 m, 600 m</td>
</tr>
<tr>
<td>Pub/ Eateries</td>
<td>6,000</td>
<td>1,000 m, 800 m, 700 m, 600 m</td>
</tr>
<tr>
<td>Local centre</td>
<td>6,000</td>
<td>1,000 m, 800 m, 700 m, 600 m</td>
</tr>
<tr>
<td>Secondary school</td>
<td>8,000</td>
<td>1,200 m, 1,000 m, 700 m, 700 m</td>
</tr>
<tr>
<td>Health centre(4d)</td>
<td>10,000</td>
<td>1,200 m, 1,000 m, 900 m, 800 m</td>
</tr>
<tr>
<td>Secondary school</td>
<td>16,000</td>
<td>1,500 m, 1,200 m, 1,000 m, 1,000 m</td>
</tr>
<tr>
<td>District centre/</td>
<td>24,000</td>
<td>1,900 m, 1,500 m, 1,300 m, 1,200 m</td>
</tr>
</tbody>
</table>

and mixed-use developments are situated (See Figure 4). It is classified as an urban control zone 3 (UCZ-3) where developments are regulated to avoid adding unnecessary strain on the capacities of existing service systems and facilities. These include villages/subdivisions of Mercedes Homes, Adelina III, Olivarez Homes VII, Olivarez South, Villa Catalina, Pragmatic Homes, South City Homes I & II, South Plains I & II, Lauana Homes, St. Joseph Village, Town & Country Club, Susana Homes and Insular Homes. The Biñan CLUDP (2000) states it belongs to Carmona soil series where topography is undulating to level, with slight seasonal run-off flooding. It has potentially high yielding wells.

It has 21,660 household populations with 4,617 numbers of household at an average household size of 4.7. Between the years 1970-1980, it became the top barangay population gainers that increased by 66.7 percent through massive relocation or low-cost private housing projects.

The existing land use pattern is mostly residential communities. It has three (3) private clinics such as Southville medical clinic, Our Lady of Fat Lying-in poly clinic & dental clinic, South Homes and one unnamed dental clinic. The Sto. Tomas Elementary School has 585 enrollees in the school year1998-99. It has with 12 classrooms at 1:49 classroom-pupil ratio and 11 teachers at 1:53 teacher-pupil ratio, in terms of housing, there is no existing socialized housing.

In the transport circulation network, it is approached by the Canlalay-Halang Road coming from the SLEX exit. The Calabuso road functions as the sole west-east link that decongests traffic in the Manila South Road. Jeeps and tricycles provide the internal transport services; 66% of roads are concrete-paved while 32% are unpaved and the rest are asphalted. There is safe groundwater for water source alternatives. There is no present public sewerage system.

Domestic wastewater is disposed through soil percolation, drainage canals or directly to surface water bodies.

The barangay is energized by MERALCO. Telephone services are provided by PLDT, DIGITEL, PT&T and INTELCO. Served by 12 barangay officials, the ratio is 1:1,830 residents. A new barangay captain assumed office in 2004 but a new barangay plan is yet to be submitted. There are no audited barangay financial statements, debt/asset ratios, fixed asset inventories, or other accounting practices. Too many prescribed forms for record keeping and poor coordination between treasury and assessment offices. Barangay officials lack the basic knowledge in real property taxation to formulate action plans to supplement municipal-level collection efforts and tax information drives. There are no available barangay data research used in planning such as basic road maps, land use, barangay census and other demographic characteristics.

Objectives

- What performance indicators in neighborhood planning and development where local area activities in living, working, playing and praying (vital in a Filipino lifestyle) activities in adjoining facilities location is seen as safe and healthy?
- How can these performance indicators apply in a highly urbanizing barangay in an adjoining area of an emerging region in the Philippines in levels of sustainability?
- How can the computer-aided Geographic Information Systems (GIS) survey tool be used to promote these performance indicators in sustainable local area/ barangay planning?

Theoretical Framework

The study adopts the neighborhood ecosystem model as its major theoretical guide (Barton, 2003). It also employs other theories on such as the ‘new
urbanism’ or the neo-traditionalist theory, (Charter of the New Urbanism, 2000); ‘General market’ theory in providing acceptable and quality developmental projects promoting sustainable local area strategy; Local Environmental Action Planning (LEAP) theory to emphasize strengthening local capacity (Leitmann, 2000:143-149); lastly, a model-based approach is used to make it less reliant in data availability since model predictions can be used to fill ‘gaps’ of uncertainty with performance indicators focused to zonal properties which depend on interdependence with other zones; job opportunities, availability of services, and so on (Bertuglia, et al, 1994: 55-68).

Conceptual Framework

The study utilizes the input-throughput-output approach (See Table 3)

INPUT contains the re-examination of the CLUP model as a concept and a process. It assesses the extent of current local activities/places/services of living, working, playing & praying in Bgy Calabuso.

THROUGHPUT represents the methodical procedures. The processes of multi-dimensionality (awareness, exposure, involvement, and valuing) of education are emphasized. It recognizes the value of sustainable land use planning thru a sample case study developed to validate the sustainable principles.

OUTPUT pertains to the results of strategic and sustainable development planning study, that is, the identification and eventual satisfaction of the needs of the community for a better quality of life.

METHODOLOGY

Research Design

The study is a descriptive analysis of planning in the Philippines. It revolves around the evaluation of existing practices and policies, especially the Comprehensive Land Use Plan (CLUP) approach to it in more sustainable and spatially appropriate in the local area level. It is diagnostic yet exploratory where it proposes a set of performance indicators in walkable distances of catchment population (gross residential density in a person per hectare (ppha) and catchment area radius (in meters); and efficiency & effectiveness of local built facilities in meter distances at minimum reasonable accessibility standards at different gross densities (ppha) using the computerized Geographic Information Systems (GIS).

Table 4 Direct-Line Distance Radius Accessibility Application

<table>
<thead>
<tr>
<th>Village Name</th>
<th>200M Park/Green Spaces</th>
<th>300M Saraiar/Stop</th>
<th>400M Nursery/Day Care/Church</th>
<th>500-600M Elem Sch/Bgy Ct</th>
<th>700-800M Pubs/Enters/CentrClubhouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOWN/COUNTRY</td>
<td>Direct Route</td>
<td>Bendy Routes</td>
<td>Direct Routes</td>
<td>Bendy Routes</td>
<td>Activities/Distance</td>
</tr>
<tr>
<td>ADELINA 3</td>
<td>1,000</td>
<td>700</td>
<td>5,000</td>
<td>2,020</td>
<td>11,130</td>
</tr>
<tr>
<td>VILLA CATALINA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MERCEDES HOMES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OLVAREZ SOUTH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OLVAREZ HOMES VII</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOUTH CITY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOUTH PLAINS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ST. JOSEPH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUSANAHOMES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAUANAVILLAGE</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Catchment area radius is 100 ppha.

GIS performed the direct line radius. Bendy routes assume 75 per cent of the direct-line radius, giving around 55 percent of the catchment population

Table 5 Catchment Population Applications of Local Activities

<table>
<thead>
<tr>
<th>Gross Residential Density per hectar</th>
<th>200m park/green spaces local store/shop</th>
<th>300m nursery/day care center, elem. &amp; community center</th>
<th>400m nursery/day care, Church</th>
<th>500-600m Elem Sch/Bgy Ct</th>
<th>700-800m Pubs/Enters/CentrClubhouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Town/Country</td>
<td>Direct Routes</td>
<td>Bendy Routes</td>
<td>Direct Routes</td>
<td>Bendy Routes</td>
<td>Activities/Distance</td>
</tr>
<tr>
<td>ADELINA 3</td>
<td>1,000</td>
<td>700</td>
<td>5,000</td>
<td>2,020</td>
<td>11,130</td>
</tr>
<tr>
<td>VILLA CATALINA</td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>MERCEDES HOMES</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>OLVAREZ SOUTH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OLVAREZ HOMES VII</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOUTH CITY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOUTH PLAINS</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>ST. JOSEPH</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>SUSANAHOMES</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>LAUANAVILLAGE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Formula = Direct Route + 25% of Direct Route - -75% of Direct Line Radius/Accessibility
½ hour walk = 100 m, 1 hour = 200 m, 2 hours = 400 m, 4 hours = 800 m, 5 hours = 1,000m

Population

The study uses the purposive multi-stage sampling in a combination of stratified, systematic and cluster sampling. The sampling used Boolean search from the computerized ‘Statistical Package for Social System’ (SPSS Version 10). The target sampling has a household population of more than 14,999 and located in the highly urbanizing barangay in an adjoining municipality of an emerging region. The sampling variables are in the local areas of the streets, corridors, public squares and plazas and other blocks in a built up barangay. The target population of the study is the stakeholders from the public and private sector.

Data Collection Techniques

It explored and developed new base maps for Barangay Sto. Tomas as the third primary data collection vital to the development of thematic maps for the end results of the study.

Planning Tools and Techniques Used in the Study

The spatial data analysis used the computerized geographic information system (GIS) and related system to graphically determine the following-the specified areas for the main public transport, walking/ cycling and vehicle networks, identified zones of different use-intensities, main service centers, industrial areas, etc.; the relation to public transport accessibility and pedestrian connectedness; and particular green space system to its principal social and ecological functions.

The techniques for data processing and comparative analysis in the study are both graphical and spatial. The graphical analysis uses the sieve mapping technique in identifying land suitable for a given use. (See Tables 4-5).

Validation of Instrument

The spatial data gathered is compared from international neighborhood sustainability criteria and performance standards (See Tables 1-2). The new base maps of Bgy Sto. Tomas transforms into composite/analytical maps which provides the exact walkable distances accurately by Geographic Information System (GIS). The outputs are the spatial framework plan and Sustainable accessibility standards and comparison of the ideal catchment radius within distances of local activities in villages.

The Spatial framework plan consists of the identifying the following composite analysis maps
for; public transport routes & nodes; green space/waterways system; pedestrian accessibility system; main network of streets and roads; and the land use pattern and density gradient. It also develops the Sustainable accessibility standards for accessibility policies in a catchment population with distances of 200 m, 400 m, 600 m, 800 m and 1,000 m.

The Accessibility distances or walkable distances in local activity / services destinations is accounted for a nursery school, elementary school, secondary school, (small) secondary school (large), health center, local shop, pub/eateries, post office (if any), community center/clubhouse/church, local centre/bgy hall, district center/superstore, and leisure center.

The 100ppha is the adopted gross residential density in the comparison of the catchment population. Bendy routes assume 75 per cent of the direct-line radius, giving around 55 percent of the catchment population (Doe, 1993; Barton and Tsourou, 2000). In minutes and hourly time compared to meters, it is: ½ hour walk = 100 m, 1 hour = 200 m, 2 hours = 400 m, 4 hours = 800 m, 5 hours = 1,000 m. These are shown accurately in map form.

The accessibility criteria or walkable distances for local services/destinations in Barangay Sto. Tomas is compared to the ideal sustainable distances and same variables through the use of the GIS/ GPS computer systems.

RESULTS AND DISCUSSIONS

The GIS/GPS SURVEY results showed the following (See Tables 6-9)

- Within 200m radius for parks/ green spaces, only two villages provided for it. They are South Plains and Mercedes Homes. Mercedes Homes has playground at 216m and a residential court at 257m distances; while South Plains has 330m.
- Within 300m radius for local shops/store, Villa Catalina was nearest to Binan Metropolitan Plaza (also serves as the super store and leisure center) has 240m while South City Homes I & II has South Mart Total Store at 294m, Millennium Store at 201m and HRRM Pharmacy at 200m, respectively.

Table 6 Direct-Line Distance Radius Accessibility Application, Bgy Sto. Tomas

<table>
<thead>
<tr>
<th>Subdivision</th>
<th>200M Park / Green Spaces</th>
<th>300M Sari-sari / Shop</th>
<th>400M Nursery / Day Care / Church</th>
<th>500-600M Elem Sch / Bgy Cr</th>
<th>700-800M Pubs/Eateries / Local Center / Clubhouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Town Country</td>
<td></td>
<td></td>
<td>Town &amp; Country Day Care</td>
<td>Am Acor Montessori</td>
<td>Southville Clubhouse</td>
</tr>
<tr>
<td>Adelina 3</td>
<td></td>
<td></td>
<td>Dungahan Day Care</td>
<td>Barangay Hall</td>
<td>Rain Resort</td>
</tr>
<tr>
<td>Villa Catalina</td>
<td></td>
<td></td>
<td>Binan Metropolitan Plaza</td>
<td>Baptist Church</td>
<td>Christian School</td>
</tr>
<tr>
<td>Mercedes Homes</td>
<td>Playground 216</td>
<td></td>
<td></td>
<td>Methodist Church</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Basketball Court 257</td>
<td></td>
<td>Nuestra Sra. De Suia Chapel</td>
<td></td>
<td>Headstart School</td>
</tr>
<tr>
<td>Ollieret South</td>
<td></td>
<td></td>
<td></td>
<td>St Gabriel Archangel Academy</td>
<td></td>
</tr>
<tr>
<td>Ollieret 1</td>
<td></td>
<td></td>
<td></td>
<td>La Consolacion College</td>
<td>Barangay Hall Extr.</td>
</tr>
<tr>
<td>South City</td>
<td>South Mart Total Store 204</td>
<td></td>
<td></td>
<td>St Joseph Multipurpose Bldg</td>
<td>South City Homes Recreation Center</td>
</tr>
<tr>
<td>Mercedes Homes</td>
<td>Playground 330</td>
<td></td>
<td></td>
<td>Mother Ris Barbero Learning Center</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chapel 670</td>
<td></td>
<td></td>
<td>Blessed Sacrament Church</td>
<td>Pag-Ibig Christian Ministries</td>
</tr>
<tr>
<td>St. Joseph</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>HRRM Pharmacy</td>
</tr>
</tbody>
</table>

The table shows the accessibility distances for various locations within a 200m, 300m, 400m, 500-600m, and 700-800m radius. It includes public transport nodes, green spaces, parks, local services, and destinations. The distances are categorized and presented in a tabular format for easy comparison.
• Within 400m radius for nursery, day care center or church, there are appropriate services such as: Town and Country Care (440m), Bungahan Day Care (420m), Families of the Holy Spirit (440m), Baptist Church (320m), Methodist Church (450m), Nuestra Senora de Guia Chapel (308m), Headstarter School (198m), prince & Princess Learning Center (420m), Mother Rita Barcelo Learning Center (480m), Blessed Sacrament Church (640m), Pag-ibig Christian Ministries (400m) m and South Plains Chapel (670m). See Figure 1 - 400 M Radius (Local Shops)

• Within 500m radius for elementary school and community center, there are Ann Arbor Montessori (570m), Barangay Hall (520m) in Town & Country Ville; Christian School (570m) in Villa Catalina; St. Gabriel Archangel Academy (470m) in Olivarez South; La Consolacion College (656m), Binan Faith Christian School (450m) in Olivarez South; St. Joseph Multi purpose Bldg bldg (780m) Holy Spirit Sch(580m) in South City Homes I & II; Community Center in (750m) in South Plains; and St Joseph School in St. Joseph Homes.

• Within 600m radius for pubs, eateries/ local center or clubhouse, there are Southville clubhouse (970m), Rard Resort (710m), barangay hall extension (544m), Olivarez 1 recreational area (202m), Olivarez dental clinic(307m), South City Homes recreational center (600m)and Holy Spirit Convent (700m). See Figure 24: 500-800 M Radius (Elem, HS, Health Center)

• Within 800 m for public health centre (4d), there was none identified in all barangays.

• Within 1,200m for District centre/ Superstore Leisure centre, there is none within the range but the Binan Metropolitan plaza is located at 1,500m and caters to other barangays Tubugan and San Antonio. Other Radius (HS-Private, District Center, Superstore)

Table 7 Catchment Population Applications of Local Activities, Barangay Sto. Tomas

<table>
<thead>
<tr>
<th>Village Name</th>
<th>Direct Routes</th>
<th>Blonde Routes</th>
<th>Direct Routes</th>
<th>Blonde Routes</th>
<th>Direct Routes</th>
<th>Blonde Routes</th>
<th>Direct Routes</th>
<th>Blonde Routes</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOWNCOUNTRY</td>
<td>2000</td>
<td>1500</td>
<td>1200</td>
<td>700</td>
<td>1100</td>
<td>600</td>
<td>500</td>
<td>300</td>
</tr>
<tr>
<td>ADELINA</td>
<td>1000</td>
<td>600</td>
<td>1200</td>
<td>700</td>
<td>1100</td>
<td>600</td>
<td>500</td>
<td>300</td>
</tr>
<tr>
<td>VILLA</td>
<td>1500</td>
<td>1000</td>
<td>1200</td>
<td>700</td>
<td>1100</td>
<td>600</td>
<td>500</td>
<td>300</td>
</tr>
<tr>
<td>MERGED</td>
<td>1000</td>
<td>600</td>
<td>1200</td>
<td>700</td>
<td>1100</td>
<td>600</td>
<td>500</td>
<td>300</td>
</tr>
<tr>
<td>OLIVAREZ</td>
<td>1000</td>
<td>600</td>
<td>1200</td>
<td>700</td>
<td>1100</td>
<td>600</td>
<td>500</td>
<td>300</td>
</tr>
<tr>
<td>OLIVAREZ II</td>
<td>1000</td>
<td>600</td>
<td>1200</td>
<td>700</td>
<td>1100</td>
<td>600</td>
<td>500</td>
<td>300</td>
</tr>
<tr>
<td>SOUTH HOMES</td>
<td>1000</td>
<td>600</td>
<td>1200</td>
<td>700</td>
<td>1100</td>
<td>600</td>
<td>500</td>
<td>300</td>
</tr>
<tr>
<td>ST. JOSEPH</td>
<td>1000</td>
<td>600</td>
<td>1200</td>
<td>700</td>
<td>1100</td>
<td>600</td>
<td>500</td>
<td>300</td>
</tr>
</tbody>
</table>

Of the three survey enumerated, the GIS / GPS is the most accurate/efficient accessibility criteria or walkable distances for local services/destinations.

Table 8 Average Direct-Line Distance Radius Accessibility, Bgy. Sto. Tomas

<table>
<thead>
<tr>
<th>Radius (m)</th>
<th>Park / Green Spaces</th>
<th>Nursery / DayCare / Church</th>
<th>Elem Sch / Bgy Hall</th>
<th>Pubs / Eateries / Local Center / Clubhouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>200M</td>
<td>267.5667</td>
<td>432.1667</td>
<td>539.6</td>
<td>576.1429</td>
</tr>
<tr>
<td>300M</td>
<td>233.75</td>
<td>412.1667</td>
<td>539.6</td>
<td>576.1429</td>
</tr>
<tr>
<td>400M</td>
<td>233.75</td>
<td>412.1667</td>
<td>539.6</td>
<td>576.1429</td>
</tr>
<tr>
<td>500-600M</td>
<td>233.75</td>
<td>412.1667</td>
<td>539.6</td>
<td>576.1429</td>
</tr>
<tr>
<td>700-800M</td>
<td>233.75</td>
<td>412.1667</td>
<td>539.6</td>
<td>576.1429</td>
</tr>
</tbody>
</table>

Table 9 Average Catchment Population of Local Activities, Bgy. Sto. Tomas

<table>
<thead>
<tr>
<th>Village Name</th>
<th>Direct Routes</th>
<th>Blonde Routes</th>
<th>Direct Routes</th>
<th>Blonde Routes</th>
<th>Direct Routes</th>
<th>Blonde Routes</th>
<th>Direct Routes</th>
<th>Blonde Routes</th>
</tr>
</thead>
<tbody>
<tr>
<td>100ptha</td>
<td>1361.918</td>
<td>611.9375</td>
<td>5979.917</td>
<td>3253.25</td>
<td>13784.29</td>
<td>6843.7</td>
<td>24524.29</td>
<td>13649.29</td>
</tr>
</tbody>
</table>
Taking the averages of the 13 villages in Barangay Santo Tomas and comparing it to the ideal standards thru GIS, the results are in Table 8 and Table 9.

Except for the 300m distance for the local shops, the rest of the accessibility distance compared exceeded the sustainable criteria of average direct line distance radius of the pre-selected 100ppha. (See Table 8)

Similarly, except for the bendy routes at 700 catchment area radius that resulted in a lower area of 611.94m, the rest of both the direct routes and bendy routes compared exceeded the sustainable criteria of gross residential density of pre-selected 100ppha.

CONCLUSIONS

In Barangay Sto. Tomas, the GIS/ GPS results indicated most of the average direct line distance from the accessibility standards as well as the average catchment population (100ppha pre-selected) thru the catchment area radius of local activities.

Hence, it can be assumed that most neighborhoods in the country need to be exposed to the benefits of sustainable local urban area development. Performance indicators are an essential tool to measure sustainability.

All stakeholders (whether public and private) need to be involved and even educated to the CLUP concept and process. The integration of sustainable development theory/principles and process of the proposed KABATI-AN Model calls to action the CLUP in local area planning.

The computerized system of GIS/GPS is a very efficient analytical tool in determining standards. It is able to determine the availability and capability of the land and its resources using the same variables with computed walkable destination of local activities/services destinations in quantifying terms.

It can also be concluded that the low level or lack of awareness, exposure, involvement, and valuing is a learned attitude and behavior of people residing in any community is modifiable and can be changed. The perception and awareness of a healthy and sustainable community will take some time in Barangay Sto. Tomas. While there is a set vision, it also takes the concerted efforts of all stakeholders to achieve the intended sustainable, healthy and vibrant community.

Further Directions For Study

Some utmost attention and detailing should be reserve to mapping corridors, blocks and streets. Most barangays do not have accurate, efficient and updated maps. Barangay mapping is not readily available. Maps present situational analysis and current development planning vital in any planning activity. The introduction of computerized system of GIS/GPS can ease up the required mapping needs and documentation.

The researcher proposed Kabati-an model can be replicated in most local areas in the Philippines. It can provide further directions of the study. It can be replicated in new studies that concern the following:

• the development of new towns/subdivisions/villages;
• the socio-economic aspects of development in local village/barangay activities of living, work, play and pray;
• the regeneration/revitalization of existing neighborhood of major urban areas in Metro Manila, Metro Cebu, Metro Iloilo and Metro Davao; and lastly,
• the development of a disaster framework and management planning.

Neighborhood site planning guides are very essential. It can open up further studies in such site planning guides in neighborhood design codes; neighborhood character and identifying its key structuring elements; and in green network/water network studies. The master planning of new towns/subdivisions/villages development do not take into account neighborhood design codes. Design codes can be used in the context of street making through cohesive set of streetscapes which addresses the three elements of a holistic street; i.e., the street, the buildings on both side, and the site plots.

Further studies of neighborhood character in the existing built environment can show local distinctiveness and can even illustrate various types of neighborhood in the country. Areas of in neighborhood qualities and using these design codes can further define and reinforce neighborhood qualities. Studies in green network/water network lay down threshold levels in resource management and economics in the community. The socio-economic aspects in the barangay neighborhood can also enhance the demographic data base in population, labor, income, education, health.

Ma. Concepcion V. Roxas, PhD

ROXAS is an Assistant Professor in the College of Architecture and the Graduate School of the University of Santo Tomas. She is also a Research Associate in the Research Center for Culture, Education and Social Issues (RCCSI) of the same university. She graduated PhD Development Studies in 2007 from the University of Santo Tomas Graduate School, Manila, Philippines. She finished her Master of Arts in Urban and Regional Planning from the University of the Philippines, School of Urban and Regional Planning, Diliman, with honors via a two-year scholarship grant from the Planning Office of then Metro Manila Commission (now MMDA).

ROXAS dissertation ‘In Search of a Sustainable Model for Local Urban Planning -The Kabatian Spatial Design Model’ (2007) is on-going for publication in the UST Publishing House, University of Santo Tomas, Manila, Philippines 1008. Her other research (referenced): “Green Streets” Initiatives in the Central Business District of Olongapo City, Zambales, Philippines from the UST Social Research Center has also been accepted for international publication in the 14th International Sustainable Development Research Conference held 21-23 September, 2008, in New Delhi, India.

ROXAS specializes in the field of developmental planning with over ten (10) years supervisory experience in developmental projects and twenty (20) years professional practice of architecture in the Philippines, in Singapore and in Chicago, Illinois, USA. She has also developed her expertise in land use development studies, particularly in green and sustainable designs, alternative passive resources in spatial communities, towns and cities. She can also be tapped to developed curriculum studies in lifelong learning activities.

ROXAS is a core group member of the Green Architecture Movement (GAM) of the UAP. She is also currently rendering her services to both the public and private sector, in her capacity as technical consultant for planning and design architects for commercial and institutional clients in Metro Manila.

1 Doe 1993, Barton and Tourou, 2000
2 Doe 1993, Barton and Tourou, 2000
4 Cluster Land Management Development Study (CLMDS, 2000).
5 Biihan Comprehensive Land Use Development Plan (CLUDP, 2000: Part II Sec. 4)
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Website: www.betonitproducts.com  
Contact Person: Ms. Joy Maducdoc  
Product line: Tile Adhesive, Tile Group, Sealer, Water Proofing |
| **97,104**  
**American Wire and Cable Co., Inc.**  
Address: 8505 km. 16 South Superhighway Parañaque City  
Tel No. 837.7301 to 10 Fax No. 837.7601  
Email Add: sales@awc.com.ph  
Website: www.americaniwire.com.ph  
Contact Person: Ms. Path Beltran  
Product line: Electrical Wires and Cables |
| **42**  
**BF Metal Corporation**  
Address: 726.5991 Fax No. 723.1397  
Contact Person: Ms. Margaux Relucio  
Website: www.bradnams.com.ph  
Email Add: margaux.relucio@bradnams.com.au  
Tel No. 655.5429 / 655.9892 Fax No. 655.7871 / 656.7186  
Address: CIC Compound, Francisco Felix Avenue Cainta Rizal PHils.  
Contact Person: Mr. Alex P. Ariniego  
Email Add: info@bisazza.com.hk  
Tel No. 046.417.8457-59 Fax No. 046.417.8460  
Address: Niog II, Bacoor Cavite 4102  
Product Line: Glass Mosaic Tiles, Slabs Agglomerate |
| **275**  
**Arizona Marketing Corporation**  
Address: No. 99 E. Cubao Quezon City  
Tel No. 726.591 Fax No. 723.1397  
Email Add: info@arizonamktg.com  
Website: www.arizonamktg.com  
Contact Person: Mr. Daniel Ching  
Product Line: Sentinel Satellite |
| **344,345, 346,347**  
**Asiatype Distribution Inc.**  
Address: G/F Columbia Tower Ortigas Ave., Greenhills Mandaluyong City  
Tel No. 744.5677 Fax No. 721.0383  
Email Add: info@ asiatype-distribution.com  
Website: www.asiatype-distribution.com  
Contact Person: Mr. Mari Penaffir  
Product line: Architectural Books and Interior Designer Books |
| **106**  
**Bostik Philippines Inc.**  
Address: 33/F Raffles Corporate Center, F. Ortigas Jr., Rd. Ortigas Business Center Pasig City  
Tel No. 855.5429 / 855.9892 Fax No. 855.7871 / 856.7186  
Email Add: margaux.reluco@bradnams.com.au  
Website: www.bradnams.com.ph  
Contact Person: Ms. Margaux Relucio  
Product Line: Aluminum Windows and Doors |
| **258,259**  
**Bisazza Philippines Inc.**  
Address: 9/F, Three World Square Building 22 Upper Mckinley Road, Seashell Drive, Mall of Asia Complex, Pasay City, Philippines  
Email Add: bluz@mmm.com  
Website: www.brain.com.ph  
Tel No. 722.8843 / 722.8845 Fax No. 725.0608  
Address: 181 R.J Fernandez St. San Juan City  
Product Line: Glass Mosaic Tiles, Slabs Agglomerate |
| **262**  
**Atlanta Industries Inc.**  
Address: 35 Fru, Antalita Center Annapolis St., Greenhills San Juan  
Tel No. 723-0781/744-4700 Fax No. 744.4703  
Email Add: atlanta@atlanta.ph  
Contact Person: Mr. Oliver Tria |
| **323,233, 246,247**  
**Avesco Marketing Corporation**  
Address: 810 Avesco Blvd., Aurora Blvd., cor. Yafe St., Cubao  
Tel No. 912.8881 Fax No. 912.2352  
Email Add: import@e-avesco.com  
Contact Person: Ms. Bernadette Adre  
Product Line: Electrical, Industrial, Electronics, Communications |
| **111,112**  
**Bahay Pinoy “Bamboo” Design**  
Address: 33 Scot. Rallos St. Quezon City  
Tel No. 412.6364/412.6403  
Email Add: amado.etandoc@yahoo.com  
Contact Person: Arch. Amado E. Tandoc |
| **331**  
**Bank of the Philippine Islands**  
Address: Ground Floor Tower 2 The Enterprises Center, Pasco de Roxas Makati  
Tel No. 845.5818 Fax No. 816.9967  
Email Add: vbranosa@bpi.com.ph  
Website: www.bpexpressonline.com  
Contact Person: Mr. Venie Ranosa |
| **22**  
**Broadwall Media Corporation**  
Address: Rm. 2318 Cityland Herrera Tower No. 98 VA Rufino cor. Valero St. Salcedo Makati City  
Tel No. 8450904 Fax No. 8890301  
Email Add: archikonstmagazine@yahoo.com  
Website: www.archikonst.com  
Contact Person: Ms. Mantles Parel  
Product Line: Magazine & Director |
96 Cambridge
Address: #370 Jose Abad Santos Avenue Metro Manila
Tel No: 252.0531 Fax No: 252.0550
Contact Person: Ana Rose S. Sapnu
Product Line: Elastometric Paints and Waterproofing

98 Cardplus Marketing (Service Provider Citibank)
Address: 2nd Floor Orient Square Bldg., Emerald Avenue Ortigas cor. Pasig City
Tel No: 490.0426 Fax No: 419.0426
Email Add: cheryl.gilpin@yahoo.com
Contact Person: Mr. Cheryl Giligan
Product Line: Credit Card

252 Carlson Trading
Address: 97 Tomas Arguelles cor. Bayani St. Brgy. Dona Imelda Quezon City
Tel No: 712.8888 Fax No: 749.9590
Email Add: marketing@carlsonphil.com
Website: www.akani.com.ph
Contact Person: Mr. Benjamin D. Domingo
Product Line: Electrical Devices, Lighting Fixture, Emergency and Exit Light

85 Challenge Systems, Inc.
Address: Unit 6L Vernida 1 Condominium, 120 Amorsolo St.
Legaspi Village Makati City
Tel no: 892.3779 / 892.7973 Fax No: 892.7320
Email Add: monica.vicente@challenge.com.ph
Contact Person: Ms. Monica P. Vicente

86 City Trade Construction Supply
Address: N.S. Amoranto cor. Cordillera, Brgy. Maharlika Quezon City
Legazpi Village Makati City
Tel No: 711.2251 / 731.0896 Fax No: 722.7393
Email Add: city_trade@yahoo.com
Contact Person: Ms. Ana Pe
Product Line: Construction Materials

229 Cisco System Management B.V.
Address: 24/F Citibank Plaza, 8741 Paseo De Roxas, Makati City
Tel No: 750.5800 Fax No: 750.5897
Email Add: jbpaginado@gmail.com
Website: www.cisco.com
Contact Person: Ms. Jocelyn Paginado
Product Line: Networking and communication technology and services

81,82,99,100 Collins International Trading Corporation
Address: 412 Arangn Rodriguez Ave. Manggahan Pasig City
Tel No: 385.3254 / 681.6161 Fax No: 646.5979 / 681.6162
Email Add: marketing@collins-international.com.ph
Website: www.collins-international.com.ph
Contact Person: Ms. Myrene D. Carlos
Product Line: Eglo Decorative Lamps

291 Columbia Wires and Cable Corporation
Address: 75 Howmat Road Quezon City
Tel No: 361.6151-64 Fax No: 361.0579
Contact Person: Michael Sia
Product Line: Wires and Cables

254 Concrete Ventures Group Inc.
Address: 36 CVG Centre, 36First Avenue Cubao Quezon City
Tel No: 723.4022-23 Fax No: 723.4020
Email Add: c-joist@mmbndgate.net
Contact Person: Engr. Bong Cleto
Product Line: Pre cast, Pre stressed Concrete, C-joist

150,151,170 Copylandia Office Systems Corp.
Contact Person: Ms. Ma. Theresa Dela Cruz

146,155 Company Name: Cosmotech Philippines Inc.
Address: 2129 C. Rocos Ave., Makati City
Tel No: 759.2494 to 88 Fax No: 759.2572
Email Add: leo.stotomas@cosmotech.com.ph
Contact Person: Mr. Leo Sto. Tomas

257 Cofta Mouldings Corporation
Address: #3 LB1CA Valenzuela City
Tel No: 443.5792-94 / 983.8639 Fax No: 443.579 / 983.8641
Email Add: mgan@cofta.com.ph
Website: www.cofta.com.ph
Contact Person: Ms. Melanie P. Gan
Product Line: Polycarbonate Sheet and PVC Solid Door

245 CSR Building Materials (Phils) Ltd.
Address: Unit 702 Page one Bldg. 1215 Acacia Avenue
MBP Alabang Muntinlupa City
Tel No: 771.0650-51 Fax No: 771.0649
Email Add: emailplan@csr.com.hk
Website: www.csr-in-asia.com
Contact Person: Mr. Errol O. Malapitan
Product Line: Glasswool and Rockwool heat and sound insulation, clay bricks, insulated panels

332 CWC Industries Inc.
Address: #2 Zaragoza cor. Palansa St. Quezon City
Tel No: 714.1115 Fax No: 713.5186
Email Add: valen_ang@cwcgroup.com.ph
Contact Person: Ms. Angela Ang
Product Line: Interim Products, Fabric Blind, LED Lights

171,172,189, 190,191,192 Davies Paints Philippines
Tel No: #11 Mercedes Avenue San Miguel Pasig City
Email Add: mercedesavenue@daviespaints.com.ph
Website: www.daviespaints.com.ph
Contact Person: Mr. Albert Lee
Product Line: DV Megacryl, DV Bio-Fresh, Sun & Rain, Wall Art

114 Decopro Inc.
Address: 67 Judge Juan Luna St. SFDM Quezon City
Tel No: 372.9272/374.1749/352.1121 Fax No: 373.9745
Email Add: apple.veis@cdecopro.com.ph
Contact Person: Mr. Jackwell So
Product Line: Mouldings and Paints

310 Directories Philippines Corporation
Address: DPC Place 2322 Don Chino Avenues Makati Bld
Tel No: 899.8061 Fax No: 899.8060
Email Add: amreyes@dpch.com.ph
Website: www.dpc.ch.com.ph
Contact Person: Ms. April M. Reyes
Product Line: Yellow Pages

119 DSL GAM Enterprises
Address: 409 Juan Luna St. Binondo Manila
Tel No: 450.4249 / 450.4360 Fax No: 480.0150
Email Add: dsgam@gmail.com
Website: www.dsl-led.com
Contact Person: Mr. Dexter Lim
Product Line: LED

143,144,157,158 Duralco Inc.
Address: Panorama Bldg. 2 Vetrains Vill., West Service Rd. Taguig
Tel No: 727.3451 / 725.8139 / 839.2440 Fax No: 721.5619 / 839.2483
Email Add: natelle_duralco@yahoo.com
Website: www.duralco.com
Contact Person: Ms. Natalie Chua
Product Line: Aluminum Windows and Doors, Shower Enclosure, Window Covering, Wardrobe Doors

329,330 Company Name: E-shing Corporation
Address: 3000 Aurora Blvd., Tramo Pasay City
Tel No: 892.0308 Fax No: 892.9431
Contact Person: Mr. Jason Tan
Product Line: Interim Products, Fabric/ Blinds, LED Lights

226 Eastern Wire MFG, Inc.
Address: 16 Hoover St., San Juan Metro Manila
Tel No: 725.3850 / 727.2118 Fax No: 726.2555
Contact Person: Mr. William Lim
Product Line: EGV-3D Panel, Gabions, Razor Wire, HOG Wire, Steel Matting etc.
177,184
Elid Technology International Inc.
Address: 1401 Annapolis Wilshire Plaza Bldg., 11 Annapolis St., Greenhills San Juan
Tel No. 724.0108 or 91 Fax No. 725.4318
Email Add: g2@elid.com.ph
Website: www.elid.com.ph
Contact Person: Ms. Melody Mirasol
Product Line: Security System

200,201
Emerald Vinyl Corporation
Address: 24 Oliveros Drive Balintawak Quezon City
Tel No. 381.6101 to 04 Fax No. 381.6740
Contact Person: Mr. Ryan Barrera
Product Line PVC windows, PVC pipes, PVC Flush doors

121,140
Epco Architectural Hardware Phils. Inc.
Address: Unit 1 and 2 Harbor Bldg. , 505 Boni Avenue Mandaluyong
Tel No. 532.1499 / 532.1500 to 01 Fax No. 531.9010
Email Add: epccorp@belltel.com.ph
Website: www.epcorpcorp.com
Contact Person: Engr. Larry S. Gamotea
Product Line: Architectural Glass Hardware, Spider System, Patch Fittings

274
Epco Architectural Hardware Phils. Inc.
Address: Unit 1 and 2 Harbor Bldg. , 505 Boni Avenue Mandaluyong
Tel No. 532.1499 / 532.1500 to 01 Fax No. 531.9010
Email Add: epccorp@belltel.com.ph
Website: www.epcorpcorp.com
Contact Person: Engr. Renold U. Tan

222
Eurovek Building Solutions Inc.
Address: 5 Flr. Prudential Life Building 843 Arnaiz Avenue Makati City
Tel No. 815.0191 to 92 Fax No. 812.0912
Email Add: epccorp@belltel.com.ph
Contact Person Mr. Miguel Manzano
Product Line: Building System, Piping System, Technical Services

66
Excel Coil Coating Corporation
Address: 1243 ARCA Bldg., Taft Avenue Pasay City
Tel No. 324.7641 – 44 Fax No. 522.1111
Contact Person: Mr. Byron Chua
Product Line: Roofing, Insulation and Cladding

265
Excellence Appliance Technologies Inc.
Address: 22 D. Tuason St., cor. L. Castillo St., Quezon City
Tel No. 712.0535 Fax No. 743.6532
Email Add: dsico@exatech.com.ph
Contact Person: Ms. Diane Denise Sioco
Product Line: Franke sinks, taps, kitchen appliances, whirlpool appliances, fujidenzo, Glem appliances

280,281
Firefly Electric and Lighting Corporation
Address: Unit 501 Sky, Tower Dasmariñas St. Binondo Manila
Tel No. 242.2060 Fax No. 242.2060 loc. 707
Email Add: dominic.gonzaga@fireflyelecctric.com
Website: www.fireflyelecctric.com
Contact Person: Ms. Jhie Greenwood
Product Line: Floor and Wall tiles / Mosaic Tiles / Insulation / Clay roof tile / Quartz slabs

36
Forebest Builders
Address: 107-A Tandang Sora St., Caloocan City
Tel No. 357.6390 Fax No. 366.5094
Contact Person: Mr. Kenneth Go
Product Line: PVC Doors and Windows

84
Global Energie Technik Corporation
Address: Palayan Rd. FTI Compound, Taguig City
Tel No. 710.6705 Fax No. 927.3292
Email Add: getcorp_email@yahoo.com.ph
Contact Person: Mr. Paulino Lim
Product Line: Exopoxies and Waterproofing Materials / Polymer Products

296,305,320
Global Link Events Int’l Inc.
Address: Unit 1003 Antel 2000 Corp. Center 121 Valero St. Salcedo Village, Makati City
Tel No. 750.8588 Fax No. 750.8585
Email Add: Patrick.tan@globallinkmp.com
Website: www.globallinkmp.com
Contact Person: Mr. Patrick Lawrence Tan
Product Line: Trade Show Organizer

75
Globesco, Inc.
Address: 192 St. Domingo Avenue Quezon City
Tel No. 364.6591-95 / 365.2435-36 Fax No. 365.2434
Email Add: bobmanalili@yahoo.com
Contact Person: Mr. Robert Manalili
Product Line: Architectural and Industrial Coating

195
GHD Pty Ltd.
Address: III Paseo de Roxas Legaspi Village Makati
Tel No. 479.5632 / 479.5600 Fax No. 479.5601
Email Add: bing.ruso@ghd.com.au
Contact Person: Ms. Bing Ruso

54, 67
Green Power Phils., Inc.
Address: 1 East Drive Marymount Village Los Baños Laguna
Tel No. 632. 520.8368 Fax No. 049. 827.3291
Email Add: info@greenergyphils.com
Website: www.greenpowerphils.com
Contact Person: Mr. Rodelio D. Soriano
Product Line: Solar and Energy System, LED Lighting Technology, Water Treatment System

135
Gruppo Armani Inc.
Address: G/F Strata Suite Condor 300 P. Quevarra St., San Juan M.M
Tel No. 331.8429 / 585.7570 / 55.7180 Fax No. 535.7099
Email Add: tiles@gruppoarmani.com.ph
Website: www.gruppoarmani.com.ph
Contact Person: Mr. Armando S. Ng
Product Line: Imported Porcelain, Homogeneous, Ceramic, and Glass Mosaic tiles

214,225
Highrise Rich Ventures., Inc. / Silvers
Address: Unit 313 Don Santiago Bldg., 1344 Taft Ave., Ermita, Mla.
Tel No. 302.6845/86 Fax No. 3025486
Email Add: info@highrisephils.com
Website: www.highrisephils.com
Contact Person: Mr. Bong Bisate

129,130, 131,132
Hitachi Air Conditioning Products (Phils) Inc.
Address: 123 E EDSA Balintawak Quezon City
Tel No. 362.4847 / 362.3547 / 361.1996 Fax No. 362.1796
Contact Person: Mr. Leoh Shieh
Product Line: Air-conditioning

200,201
Holcim Philippines Inc.
Address: L3 Phinma Plaza 39 Plaza Drive Rockwell Center
Tel No. 870.0391 Fax No. 870.0300
Email Add: raymond.tadina@holcim.com
Website: www.holcim.com.ph
Contact Person: Mr. Raymond Tadina
Product Line: Cement

260,261, 278,279
Horizon Powder Coating
Address: 30 Kalabahan St., Duque Mabalacat Pampanga
Tel No. 045.331.1854 Fax No. 045.322.3547
Email Add: horizon@comclark.com.ph
Contact Person: Mr. Ramesh Ananda
Product Line: Powder Coating Services

113
Hocheng Philippines Corporation (HCG)
Address: 1163 Chino Roces Avenue San Antonio Village Makati City
Tel No. 895.5683 loc. 234 / 228 Fax No. 895.2180 / 895.5683 loc. 253
Email Add: info@hochengوسط.com
Website: www.hochengوسط.com
Contact Person: Mr. Robert Chien
Product Line: Project Lightings, Bath Fixtures

112
Holcim Philippines Inc.
Address: L3 Phinma Plaza 39 Plaza Drive Rockwell Center
Tel No. 870.0391 Fax No. 870.0300
Email Add: raymond.tadina@holcim.com
Website: www.holcim.com.ph
Contact Person: Mr. Raymond Tadina
Product Line: Cement

142
| Company Name: 162, 163, 177. Hunter Douglas Philippines
| Address: 33 Jade Place, Visayas Avenue Quezon City
| Tel No. 924.0220 Fax No. 924.7360
| Email Add: melvin@hunterdouglas.com.ph
| Contact Person: Mr. Melvin Porta

| Company Name: 240. Hyco Industrial Sales Corp.
| Address: 81 Kapiligan St. cor. Bayani St. Brgy., Doña Imelda, Quezon City
| Tel No. 716.0905 Fax No. 714.8896
| Email Add: hyco@pldtdsl.net
| Contact Person: Mr. Ambrosio C. Flores Jr.

| Company Name: 295, 306. Industrial Surface Finishing Corp. (ISF)
| Address: 108 Circumferential Rd. Gate 5 Araneta Village, Malabon
| Tel No. 361.9563 / 447.88.31 Fax No. 361.7958
| Email Add: stoneage_isf@yahoo.com
| Contact Person: Mr. Richard Barria
| Product Line: Stoneage wall claddings and wall finishing materials

| Company Name: 203. Inno Design Solutions Inc.
| Contact Person: Mr. Billy Arrienda

| Company Name: 83. International Elevator & Equipment, Inc.
| Address: Km. 23 West Service Road, South Super Highway, Cupang, Muntilupa
| Tel No. 842.3161 / 807.0420 Fax No. 842.8160
| Email Add: rascampo@iie.com.ph
| Website: www.iie.com.ph
| Contact Person: Mr. Ramoncito A. Ocampo

| Company Name: 205. Intericad Philippines Inc.
| Address: 2634 Rockwell St., San Isidro Makati City
| Tel No. 844.9744 to 45
| Email Add: jessie_ark@yahoo.com
| Contact Person: Mr. Arturo Niclar Motende
| Product Line: Software Distributor

| Company Name: 118. Italfilm Manufacturing, Inc.
| Address: 102 E. Rodrigue Jr. Avenue Ugong Pasig City
| Tel No. 672.1917 / 672.1815 / 246.8404 Fax No. 672.1914 / 246.8403
| Email Add: italfilmfi@yahoo.com
| Contact Person: Mr. Romilo T. Ordofia
| Product Line: Granite Tiles

| Company Name: 204. Jett Water Heater Co., Inc.
| Address: CDC Jett Building 67 P. tuazon Blvd., Cubao Quezon City
| Tel No. 723.0032 to 37 Fax No. 724.5907
| Email Add: jettmanila@jettwaterheater.com
| Website: www.jettwaterheater.com
| Contact Person: Ms. Sugar M. Techico
| Product Line: Water heater, Heat Pump Water, Aircon water heater,

| Company Name: 133. Kenneth & Mock Designs Inc.
| Address: 8 Morry Avenue Bagumbayan Quezon City
| Tel No. 912.3333 / 913.2545 Fax No. 912.1892
| Email Add: km2007@smartbro.net
| Website: www.kennethandmock.com
| Contact Person: Ms. Emily Chica
| Product Line: Distributor of PVC-U windows and doors

| Company Name: 283. Kenrich International Trading Centre, Inc.
| Address: 3F KAVI Bldg., 193 E. Rd. Ave. Bagumbayan Quezon City
| Tel No. 421.9366 / 438.5755 Fax No. 421.9776
| Email Add: kenchinch@yahoo.com
| Contact Person: Ms. Wendy S. Ang
| Product Line: SFG Insulation Glasswood, Rockwell Insulation, Supaflex, Aluminum Foil, Aluminum Tapes, PE Foam Insulation

| Company Name: 277, 282. Kent Floors
| Address: 5F JTCK Center 2155 Pasong Tamo Makati City
| Tel No. 813.9843 Fax No. 812.0082
| Email Add: kentvinyltiles@yahoo.com
| Contact Person: Mr. Vivan Cua grubu
| Product Line: Kent Vinyl Tiles

| Company Name: 126. Kent International Trading Co., Inc.
| Address: No. 14 Briston St., Bo. Kapitolyo Pasig City
| Tel No. 727.3011-17 Fax No. 726.0461
| Email Add: kentint@i-manila.com.ph
| Contact Person: Mr. Tomas Kawai
| Product Line: PROMAT Fire Protection & raised Floor System

| Address: 218 Lucban St., Pasay City
| Tel No. 551.3551 / 551.1663 Fax No. 833.8711
| Email Add: kotenterprises@yahoo.com
| Contact Person Ms. Malou C. Dolea
| Product Line: Circuit breaker, Safety breakers, Magnetic contactors, Overload relays, panel boards, Wiring devices, Extension cords, lights and fixtures, etc.

| Company Name: 280, 209. Kuyosen Enterprises Inc.
| Address: 236 E. Rodriguez Avenue Quezon City
| Tel No. 419571 loc. 506 Fax No. 749.5363
| Email Add: cecil.berdul@kuyosen.com
| Product Line: Bathroom, Kitchen, Tiles, Water Heater, and Pipes
| Contact Person: Mr. Federic Hernandez

| Company Name: 181, 199. Landlite Philippines Corporation
| Address: 498 San Fernando St. Biñondo Manila
| Tel No. 243.5184 / 309.7190 to 91 Fax No. 309.7179
| Contact Person: Mr. Marlon Uy
| Product Line: Led Lights

| Company Name: 147, 148, 153. Macau Government Tourist Office Philippines
| Address: Suite 11-D, The Valero Tower, 122 Valero Street
| Salcedo Village, Makati City
| Tel No. 812.2595 / 813.0947 Fax No. 892.5232
| Website: www.macautourism.gov.mo
| Contact Person: Ms. Jet Cabuslay

| Company Name: 141, 142, 159. Macro Industrial Packaging ProductsCorporation
| Address: Canlubang Industrial Estate Calamba, Laguna
| Tel No. 844.7496 Fax No. 844.7796
| Email Add: pchusim@pldtssl.net
| Contact Person: Mr. Pocholo Chusim
| Product Line: Manufacturing of EPS (expandable polystyrene)

| Company Name: 293. Mega System Enterprises
| Address: 501 Silencio St. Sta. Mesa Manila
| Tel No. 715.4717 / 716.5514 Fax No. 716.3148
| Email Add: sales@megasystem.com.ph
| Website: www.megasystem.com.ph
| Contact Person Mr. Antonio Chua
| Product Line: PPR Pipe & fittings, Meag green, Timbertech, Syptonic

| Company Name: 236. Metrotech Steel Industrial Inc.
| Address: HHB Compound Valenzuela
| Tel No. 364.0607 Fax No. 364.0588
| Contact Person: Mr. Sison Ollario

| Company Name: 263, 276. Miraga Trade Center
| Address: 24C Tecson St. cor. Mascardo St. Project 4 Quezon City
| Tel No. 437.4127 loc. 18 Fax No. 438.8305
| Email Add: miragatradecenter@yahoo.com
| Contact Person Ms. Jennie Rose Cabale
| Product Line: PPR Pipes and Bathroom Fixtures

| Company Name: 215, 224. Moldex Products Inc.
| Address: Ligaya St. cor. West Avenue Quezon City
| Tel No. 373.8888 loc. 631 Fax No. 373.4009
| Email Add: sales@moldex.com.ph
| Website: www.moldex.com.ph
| Contact Person Mr. Ruel F.A. Abila
| Product Line: uPVC Pipes and Fittings

| Company Name: 95. Mondo Cucina Inc.
| Address: C231, 2nd Flr., Serendra Bonifacio High St., Bonifacio Global City Taguig
| Tel No. 856.7634 Fax No. 856.4590
| Email Add: lezl.chavarria@mendegphilippines.com
| Website: www.mendegphilippines.com
| Contact Person: Mr. Emerson Chua
| Product Line: Kitchen Appliances

| Company Name: 134. Multi-Line Design System Inc.
| Address: Calderon Bldg., 827 EDSA Diliman Quezon City
| Tel No. 929.9911 loc. 2220 Fax NO. 924.2380
| Email Add: multi-linegroup@mls.com.ph
| Website: www.multi-linegroup.com
| Contact Person: Mr. Marco Angeles
| Product Line: Roofing, Flooring, Walls, Port Alarm System etc.
127 Multi-Line Building Systems Inc.
Address: 827 Calderon Blvd., EDSA Diliman Quezon City
Tel No. 929.9911 Fax No. 924.2349
Email Add: direyes@multi-linegroup.com
Website: www.multi-linegroup.com
Contact Person: Mr. Efren L. Reyes Jr.,
Product Line: Electronic Building System

136 Norwich Marketing Corporation
Address: 65 East Riverside St. SFDM Quezon City
Tel No. 372.5977 Fax No. 372.2917
Email Add: jimmyyu_norwich@yahoo.com
Contact Person: Mr. Jimmy Yu
Product Line: Waterproofing

264 Ottile Marketing Inc.
Address: 221 D. Tuazon St. cor. Sta. Catalina St. SFDM Quezon City
Tel No. 740.1046 to 65 Fax No. 740.0046
Contact Person: Mr. Dennis A. Leyran

194,187 Orion Maxis Inc. (Lepanto Tiles)
Address: 20F LKG 6801 Ayala Avenue Makati City
Tel No. 884.1106 Fax No. 884.1461
Email Add: icaruilo@orionmaxis.com
Contact Person: Mr. Lionel Carullo
Product Line: Ceramic and Porcelain Tiles

145,156 Paradise Chemical Corporation
Address: 7438 Yakal St., San Antonio Village Makati City
Tel No. 818.3011 / 892.7067 Fax No. 894.3607
Email Add: paradisechemical@gmail.com
Website: www.paradisechem.com
Contact Person: Mr. Luis Martinez
Product Line: Destiny Paints

243,256 Phelps Dodge Energy Products Corporation
Address: 2F Karvin Plaza, 2316 Pasong Tamo Ext. Makati City
Tel No. 813.2529 loc. 120 Fax No. 812.0798
Email Add: sales-mdktg@phelpsdodge.com.ph
Website: www.phelpsdodge.com.ph
Contact Person: Ms. Altaire Galve
Product Line: Electrical Wires and Cables

163,164, 173,174 Philips Electronic and Lighting Inc.
Address: 4th Flr. PBCom Tower Rufino St. cor. Ayala Avenue Makati
Tel No. 845.7866 Fax No. 816.3124
Email Add: andreww.c.yan@philips.com
Website: www.lighting.philips.com.ph
Contact Person: Mr. Andrew C. Yan
Product Line: Lighting

227 Philips Wire and Cable Co. (Philflex)
Address: 407 Dasmariñas St. Binondo Manila
Tel No. 241.8081 Fax No. 241.3853
Email Add: info@philflex.com.ph
Website: www.philflex.com.ph
Contact Person: Mr. Manny Padit
Product Line: Electrical Wires and Cables

55,56 Philkordial Realty and Management Corp.
Address: 1009 Alapaz Bldg., Trade St. Madrigal Bicut, Park Muntinlupa City
Tel No. 842.0295 / 802.4575 Fax No. 809.4575
Email Add: vangie_villanueva@yahoo.com
Contact Person: Ms. Evangeline Villanueva
Product Line: PVC Door and Windows, Door Lock Systems

237 Philmetal Products Inc. / Steelframe Phils. Inc.
Address: 140 Amorsolo St. Legaspi Village Makati City
Tel No. 810.933 / 810.8382 Fax No. 813.8881
Email Add: philmetal_sales@philsteelgroup.com
Contact Person: Mr. Jerad Tadifa
Product Line: Roofing, Cladding, Decking, Steel Framing

41 Prescon Philippines Inc.
Address: 711 Nueva De Febroero St., Mandaluyong City
Tel No. 531.4971 to 74 Fax No. 531.3199
Email Add: fuentes_rey@yahoo.com
Contact Person: Mr. Rhey P. Fuentes
Product Line: Specialty Contractor

327 ProActive Pest Control
Address: 2F unit Jocfer Bldg., Commonwealth Avenue Quezon City
Tel No. 932.2409 / 455.7162 Fax No. 453.1296 / 455.7162
Email Add: dongconcepcion@yahoo.com
Contact Person: Mr. Eleazar T. Concepcion
Product Line: Rayer-Agenda Total Termite Control System, CCAS

51,52,69, 70,71,72 Puyat Steel Corporation
Address: Edsa Mandaluyong City Enzo Bldg., Sen. Gil Puyat Makati
Tel No. 6800.3221/6385385 Fax No. 6800.3221
Email Add: marketing_puyatsteel@yahoo.com
Contact Person: Ms. Pia Lamoste
Product Line: Roofing Products

Puyat Flooring Products, Inc.
Address: 2F ENZO Bldg. 399 Gil Puyat Avenue., Makati City
Tel No. 897.6262 or 987.3879 Fax No. 734.7584
Contact Person: Mr. Bonifacio Manlapig
Product line: Vinyl Products

238 Republic Powder Coat Corporation
Address: 90 Congressional Avenue Quezon City
Tel No. 926.3609 / 927.1187 Fax No. 456.8547 / 927.3380
Email Add: rebocoat@globalines.com.ph
Contact Person: Mr. Larry Chua
Product Line: Powder Coating Services

Ricad Inc.
Address: A8 Alabang Home Depot, West Gate Alabang Muntinlupa
Tel No. 821.7567 / 824.0773 Fax No. 821.7567
Email Add: ricadinc@pldtdsl.net
Website: www.ricadinc.com
Contact Person: Mr. Christopher de Castro
Product Line: Glass Musici, High Pressure Laminates, MDE Panel, Boards, Machuca Tiles

Rize Innovations, Inc.
Address: 168 Ignacio St. Pasay City
Tel No. 558.2238 Fax No. 556.2229
Email Add: sales@risenovations.com.ph
Website: www.rizenovations.com.ph
Contact Person: Mr. Arvin John Matutino
Product Line: Tensile Fabric, Membrane Structure

Royal Tern Ceramics Phils., Inc.
Contact Person: Mr. Joseph Maglangue
Product Line: Sanitary Wares

S.E.A. Olympus Marketing Inc.
Address: 515 Kataraanang St. Oceda Compound Mandaluyong City
Tel No. 747.9195 to 56 Fax No. 533.9297 / 531.9598
Email Add: rflausorillo@olympus.com.ph
Website: www.olympus.com.ph
Contact Person: Mr. Ronnie T. Faustorillo
Product Line: Ecofoam Polyurethane insulation, Voyager pressure tank, sunshield polycar

Septech General Services Inc.
Address: No. 73 J. Elizade St., BF Homes Parañaque City
Tel No. 809.4554 / 342.9995 Fax No. 809.4554
Email Add: lorie_sgsi@yahoo.com
Contact Person: Ms. Lorelyn S. Camantigue
Product Line: Autoclaved Lightweight Concrete

Solar Gard Philippines Corporation
Address: 485 Dr. Fabella Rd., Brgy. Addition Hills Mandaluyong City
Tel No. 531.317 / 532.3167 Fax No. 535.9443
Email Add: solargardphils@yahoo.com
Website: www.solargard.com.ph
Contact Person: Mr. Joseph dela Cerna
Product Line: Solar Gard, V-kool, Jalousi window glass

Spancrete Structure Inc.
Address: Km. 18 Ortigas Avenue Ext. Cainta rizal
Tel No. 656.8403 / 04 Fax No. 656.8404
Email Add: spancretestructureinc@yahoo.com
Website: www.qpci.com.ph
Contact Person: Arch. Buddy Villamor
Product Line: Pre-cast products, Ready mix, concrete hollow blocks
<table>
<thead>
<tr>
<th>No.</th>
<th>Company Name</th>
<th>Address</th>
<th>Contact Person</th>
<th>Telephone Numbers</th>
<th>Website Link</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Total 2000 Corporation / Eurobass Products, Inc.</td>
<td>Address: 1608 E. Guerrero St. Malate Manila Tel No. 523.2901 / Fax No. 525.1595 Email Add: sales@<a href="mailto:t2000corp@yahoo.com">t2000corp@yahoo.com</a></td>
<td>Ms. Ingrid Lim</td>
<td>523.2901 to 02 Fax No. 525.1595</td>
<td>website.t2000corp.com.ph</td>
</tr>
<tr>
<td>2</td>
<td>Thor Lighting Solutions Inc.</td>
<td>Address: 11 pioneer St., Bo. Kapitolyo Pasig City Tel No. 635.9013, 7476464, 636.6103 Fax No. 747.4664 Email Add: <a href="mailto:thoristi@yahoo.com">thoristi@yahoo.com</a></td>
<td>Mr. James D. Rosca</td>
<td>635.9013, 7476464, 636.6103</td>
<td><a href="mailto:thoristi@yahoo.com">thoristi@yahoo.com</a></td>
</tr>
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<td>3</td>
<td>Total Power Box Solutions</td>
<td>Address: Cavit Light Industrial Park Daguyam, Silang Tel No. 689.0265 Fax No. 689.9983 Email Add: <a href="mailto:chito@powerboxsolutions.com">chito@powerboxsolutions.com</a></td>
<td>Mr. Chito Mercado</td>
<td>689.0265 Fax No. 689.9983</td>
<td><a href="http://www.powerboxsolutions.com">www.powerboxsolutions.com</a></td>
</tr>
<tr>
<td>334</td>
<td>Total Power Box Solutions</td>
<td>Address: Cavit Light Industrial Park Daguyam, Silang Tel No. 689.0265 Fax No. 689.9983 Email Add: <a href="mailto:chito@powerboxsolutions.com">chito@powerboxsolutions.com</a></td>
<td>Mr. Chito Mercado</td>
<td>689.0265 Fax No. 689.9983</td>
<td><a href="http://www.powerboxsolutions.com">www.powerboxsolutions.com</a></td>
</tr>
<tr>
<td>137</td>
<td>Supersonic Manufacturing Inc.</td>
<td>Address: 438 F. Dulalia St., Bo Linguin Valuenuela City Tel No. 531.730 / 534.1612 Fax No. 531.6796 Email Add: <a href="mailto:smi@supersonic.ph">smi@supersonic.ph</a></td>
<td>Mr. Crispin Muñoz</td>
<td>531.730 / 534.1612 Fax No. 531.6796</td>
<td><a href="http://www.supersonicph.com">www.supersonicph.com</a></td>
</tr>
<tr>
<td>152,169</td>
<td>Supreme Steel Pipes Corporation</td>
<td>Address: 3 Harmony St. Garce Village Balintawak Quezon City Tel No. 361.3492 / 361.3494 Fax No. 361.3655 / 363.3464 Email Add: <a href="mailto:regaindn@yahoo.com">regaindn@yahoo.com</a></td>
<td>Ms. Isaac Tan</td>
<td>361.3492 / 361.3494 Fax No. 361.3655 / 363.3464</td>
<td><a href="http://www.supremesteeplips.com">www.supremesteeplips.com</a></td>
</tr>
<tr>
<td>206,207</td>
<td>Steel Asia Manufacturing Corporation</td>
<td>Address: 2nd Floor Building B2 Bonifacio High Street, Fort Bonifacio, Global City Taguig Tel No. 856.6888 Fax No. 856.5555 Email Add: <a href="mailto:sales@steelasia.com">sales@steelasia.com</a></td>
<td>Ms. MJ Kathan</td>
<td>856.6888 Fax No. 856.5555</td>
<td><a href="mailto:steelasia@steelasia.com">steelasia@steelasia.com</a></td>
</tr>
<tr>
<td>73</td>
<td>Sycwin Coating &amp; Wires Inc.</td>
<td>Address: 93 Joy St. Trace Village, Balintawak Quezon City Tel No. 364.6001 to 06 Fax No. 364.3870</td>
<td>Mr. Gilbert S. Ng</td>
<td>364.6001 to 06 Fax No. 364.3870</td>
<td><a href="mailto:sales@sycwin.com">sales@sycwin.com</a></td>
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<tr>
<td>103</td>
<td>Spray Works Coating Corporation</td>
<td>Address: 65-A East Riverside St., SFDM Quezon City Tel No. 410.0219 / 411.8819 Fax No. 372.1575 Email Add: <a href="mailto:sw_coat@yahoo.com">sw_coat@yahoo.com</a></td>
<td>Mr. Virgilio Lopez</td>
<td>410.0219 / 411.8819 Fax No. 372.1575</td>
<td><a href="http://www.geocities.com/sw_coat/index.html">www.geocities.com/sw_coat/index.html</a></td>
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<tr>
<td>98</td>
<td>Unitecpipe Manufacturing Corporation</td>
<td>Address: 1388-F. G. Araneta Avenue Bgy, Talaiy Quezon City Tel No. 743.3121 Fax No. 416.8192 Email Add: <a href="mailto:jencam@unitecpipe.com">jencam@unitecpipe.com</a></td>
<td>Mr. Greg Yap</td>
<td>743.3121 Fax No. 416.8192</td>
<td><a href="mailto:jencam@unitecpipe.com">jencam@unitecpipe.com</a></td>
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<tr>
<td>175,176,185,186</td>
<td>Universal Paints</td>
<td>Address: No. 1010 10th Flr. Rufino Bldg., V.A Rufino cor. Ayala Makati Tel No. 887.6643 / 887.6296 Fax No. 887.4084 Email Add: <a href="mailto:shellagonzalez@toto.com.ph">shellagonzalez@toto.com.ph</a></td>
<td>Mr. Sebastiano Chia</td>
<td>887.6643 / 887.6296 Fax No. 887.4084</td>
<td><a href="http://www.totophilippines.com">www.totophilippines.com</a></td>
</tr>
<tr>
<td>218,219</td>
<td>Toto Asia Oceania Pte. Ltd.</td>
<td>Address: No. 1010 10th Flr. Rufino Bldg., V.A Rufino cor. Ayala Makati Tel No. 887.6643 / 887.6296 Fax No. 887.4084 Email Add: <a href="mailto:shellagonzalez@toto.com.ph">shellagonzalez@toto.com.ph</a></td>
<td>Mr. Sebastiano Chia</td>
<td>887.6643 / 887.6296 Fax No. 887.4084</td>
<td><a href="http://www.totophilippines.com">www.totophilippines.com</a></td>
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- LIGHT COLORS AND BRIGHTNESS
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- DIMMABLE
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