



Theme: Green Engineering in Electrotechnical Construction

Featuring: Sweeping PCAB Reforms



Pres. Escalante presenting a token of appreciation to Hon. PCAB Chairman RF Allado at the SPECS quarterly GMM on March 31, 2011

 Republic of the Philippines
 Department of Trade and Industry
 Construction Industry Authority of the Philippines
PHILIPPINE CONTRACTORS ACCREDITATION BOARD 

Board Resolution No. 086, Series of 2011
ADOPTING A REVISED PROCEDURE IN THE PROCESSING OF LICENSE RENEWAL APPLICATIONS

WHEREAS, under the Citizen's Charter (Republic Act 9485), the time allowed for action by a government agency is ten (10) working days;

WHEREAS, an application for a contractor's license undergoes the following critical steps, prescreening, filing, recording, evaluation, board action, license printing and signing, and lastly issuance which at present take more than the prescribed ten-day period;

WHEREAS, in order to comply with the prescribed window for action, a re-engineering of procedures and practices must be effected to reduce the time required for processing, approval, and releasing of licenses;

WHEREAS, renewals constitute the bulk of the transactions filed with PCAB throughout the year especially in the months of February to June, and may be immediately re-engineered in as much as applicants already have records with the PCAB Secretariat;

WHEREAS, there is a need to avoid if not totally eliminate the extension of the license validity beyond June 30 and/or the issuance of temporary license certificates for renewals;

WHEREAS, upfront payment of renewal fees is essential in the re-engineering of the procedure in issuing licenses; and

WHEREAS, pre-payment of postal or courier services by the applicants is vital for the efficient delivery of licenses to the contractor's place of business.

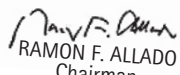
NOW THEREFORE, based on the foregoing premises and in compliance with R. A. 9485, the Board RESOLVES as it hereby RESOLVED to adopt a streamlined processing of renewal applications starting with contracting fiscal year 2011 to 2012 with the following features.


- Ten (10) working day maximum processing time
- Upfront payment of renewal fees.
- Provisions by applicants of self-addressed self-stamped or pre-paid courier's envelopes together with renewal applications.
- Initial evaluation of network and STE compliance requirements together with pre-screening.
- Post audit and post verification of documents submitted.


The Board further RESOLVED that licenses may be recalled if a finding would show that the contractor is no longer eligible for the category and/or classifications issued in its renewal. Likewise, licenses may be suspended or cancelled if the contractor is found to have submitted falsified, spurious or defective documents, or misrepresented information filed in its application for renewal.

SO ORDERED


24 January 2011

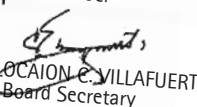

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SPECS

CURRENTS

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Editor's Page



Achievements & Transitions

As mentioned in our President's Report by achiever Engr. Art Escalante, we began 2011 with the momentum of our significant achievements during 2010. Since the current Officers, Board of Governors and Committee Chairmen have been in place for the past year, there was no need to familiarize themselves with the new thrusts and policies of a new administration. The outstanding achievement last year was the 2010 AFEEC-FAPECA Conferences in conjunction with the 35th IIEE Annual National Convention and 3E XPO 2010. It was an event that won praise and appreciation from all parties of the conferences.

There were two vital programs intensively developed beginning 2010. The first is the series of training seminars under the leadership of Chairman Jimmy Itao. Last year we conducted six programs comprising of four batches of safety training seminars, one Substation (HV Cable, Transformer, HV & LV Switchgear) Testing & Commissioning authored by Former President Jess Santos and one Construction Project Management. This year as of today, we have conducted eight including five (5) batches of DOLE accredited safety seminars, Substation (HV Cable, Transformer, HV & LV Switchgear) Testing & Commissioning, and the pilot program of the Electrical Installation and Maintenance (EIM) hands-on training conducted at UP ISSI in partnership with Mechatronics Technology Corporation, a TESDA accredited training center. The government agencies will soon enforce the requirement of at least one accredited safety officer for each construction project.

We are finalizing an agreement with Technical Education and Skills Development Authority (TESDA) on the SPECS Training

Center as an accredited training institution for electrical construction workers. Furthermore, we are awaiting appointment from PCAB as an extension desk for application and renewal of electrical construction licenses.

The second major thrust for 2011 is the Power Forum to be held on August 25, 2011 in conjunction with 15th IIEE Southern Mindanao Regional Conference. We are inviting Speakers from DOE, ERC, PIPPA, NGCP (Transco), PEPOA/Philreca, Aboitiz Power Energy and PCCI/FPI. Among the subjects to be discussed: Power Situation in the Philippines, Power Scenario in Mindanao, Readiness for Open Access and Retail Competition.

In this issue, we paid tribute to a distinguished colleague, Former SPECS President Edward L. Mendoza in transition to eternal life. We remember prayerfully all Former Presidents, Engr. Ruberto Serafica, Engr. Benjamin D. Carbonell, Engr. Mario R. Cruel, Engr. Gregorio G. Garces and Engr. Edward L. Mendoza and other members now gone who shared their time, talent and treasures with SPECS.

With this issue, I end my work as Editor-in-Chief and Chairman of the Publication Committee with grateful appreciation to my working partners: committee members, staff, the advertisers and the officers, specially Pres. Art. I am glad to leave the editorship of SPECS Currents Magazine in the capable hands of Former President Greg Guevarra. Although, at the pleasure of the President, I will be available to work as Adviser or Consultant to the committee and the Staff. At one time or another, all of us will have to start the process of letting go of whatever we hold dear and precious in this life. For me, the time is now.

AN Escalante Construction, Inc.

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PCAB License No. 32203

Electrical Works
General Engineering
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President's Report



SPECS En-route to a more Dynamic and Rewarding Year

SPECS continues to achieve growth of membership and build a more sound financial system. Our Treasurer, Art Cenal together with the board has been modest in our spending ways. Our Board Secretary, Lito Freo who heads the Membership Affairs Department exerted much effort in inviting quality companies to be part of the roster of new members. We look forward to a broader range of services for our members in key cities of our country. SPECS really has to invest more on membership growth and technical education.

PLANNING SESSION

The incumbent Officers and Board of Governors sat down for two consecutive meetings. The pillars of SPECS and IIEE, our beloved Former Presidents Roger Avenido, Pol Leoncio, Greg Guevarra and Andy Lim joined the sessions to impart their contributions. The meetings were centered on the programs we instituted in 2010 and ways and means to continue sustaining these programs to yield better services and financial standing.

GENERAL MEMBERSHIP MEETING

Kick-off activities for the year were held on March 31, 2011 in the 1st General Membership Meeting at the Greenside Dining of the Villamor Golf Club coinciding with a semi-open fellowship golf at the club's golf course. The prime theme of the evening was the presentation of the most sought after topic by our fellow contractors/constructors and friends in the construction industry – "PCAB Licensing & Registration System"

The guest speaker was Hon. Ramon F. Allado, Chairman, Philippine Contractors Accreditation Board (PCAB) who talked about the entire program of the agency. Pinpointed were the targets for immediate implementation. Foremost in the list is the adoption of a revised procedure in the processing of application, renewal and upgrading of license leading to the compliance of the "Citizens Charter", a pact between the citizens and the government meant for the approval or disapproval of license and permit application within ten (10) working days as well as a longer validity of license. The long term program includes the "online system" submission of forms and response to limit the "one on one" contact with PCAB

Staff consequently to reduce the cause of delay in the process. PCAB envisioned that in three year cycle, the full verification and audits of all licensed contractors will make the processing almost automatic. To further speed up the process, a recently signed board resolution seeking the assistance of related organizations to be an extension of PCAB Public Assistance Desk was passed and approved. The Honorable Chairman looks forward to SPECS' immediate application for accreditation as a confirmation of full support in the direction of the program. Both PCAB and SPECS count a lot on a worthwhile and fruitful partnership in this undertaking.

In view of the fact that the accreditation of SPECS as extension desk is not yet operational, yours truly was assigned to serve as special hotline of SPECS members to communicate with PCAB, a 10-working day period status report is guaranteed.

TECHNICAL SEMINARS & TRAINING

Similar to last year, the conduct of the highly in demand safety seminar titled "Basic Occupational Safety and Health for Site Officer (BOSH/COSH)" is regularly being held with Engr. Ming Tan as lead lecturer, at this point, two in a row for the first quarter. Likewise, successfully conducted is the highly specialized seminar on Substation, Testing and Commissioning (HV Cables, Switchgears and Transformers) held on March 24, 25 & 26 with our very own Jess Santos, a PEE, a consultant and a designer as author and lecturer. We are enormously grateful for the never ending support of our members and partners in the industry namely: Engr. Willie Tan of Columbia Wire and Cable Corp., Engrs. Rey & Boyet Daquigan of Delta Star Power Mfg. Corp., Engrs. Dong Alba, Charlie Aganad, Alvin Jana of Schneider Electric (Phils.), Inc., Ms. Cathie Pintado and Ms. Salie Domingo of Asiaphil Group of Companies. Without them, this project would not have been a success.

In-store not only for the members but for all interested individuals is another highly specialized seminar on "MV Cable Splicing and Termination". Close coordination with 3M Philippines thru the effort of Mr. John C. Songcayauon, Manager – Electrical Markets Division is being undertaken to realize this program. Other

(continue on page 8)



Grounding Products

GROUND ENHANCEMENT MATERIAL (GEM)

Ground enhancing materials can be applied around the conductors in a grounding system to reduce the local soil resistivity and lower ground impedance. They are particularly useful in areas of moisture variation, sandy soils and rocky ground.

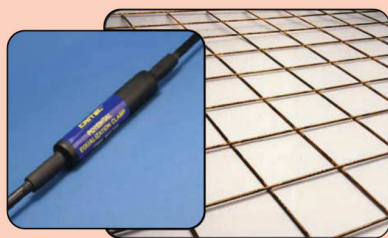


GROUND RODS AND CLAMPS

ERITECH copperbonded, galvanized and stainless steel earth rods facilitate the transfer of surges and fault currents into the earth, and provide a long service life due to the superior construction and quality.

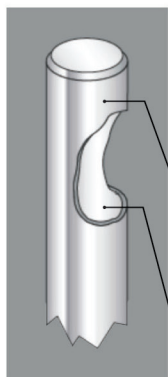
GROUND POTENTIAL EQUALISATION

ERICO's range of equipotential ground bars, plates, pre-engineered grids, and Potential Equalization Clamps combine to create a safe equipotential ground plane for optimum protection of personnel and equipment.



COPPERBONDED GROUND ROD

GALVANIZED GROUND ROD



Copperbonded ground rod versus Galvanized ground rod.

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Copperbonded coating:

- Permanent molecular bond
- Low resistance performance
- High fault current capacity (IEEE® Std 80)
- Will not slip or tear when driven
- Will not crack if rod is bent

Carbon Steel core and tip:

- Greater tensile strength
- Deep driving capability

Lower purchase price - not as cost effective as Copperbonded

Galvanized coating:

- Relatively short service life
- May crack if rod is bent

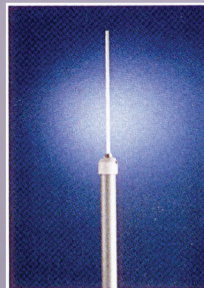
Steel core and tip:

- High tensile strength
- Deep driving capability



Lightning Protection Products

Air Terminals



Conventional Air Terminal / ISODC*

* ISODC is an isolated lightning protection cable system based around IEC62305. It is designed to isolate the lightning current from sensitive equipment, eliminating the need for separation distances required with conventional cable.

ERITECH INTERCEPTOR SIESE

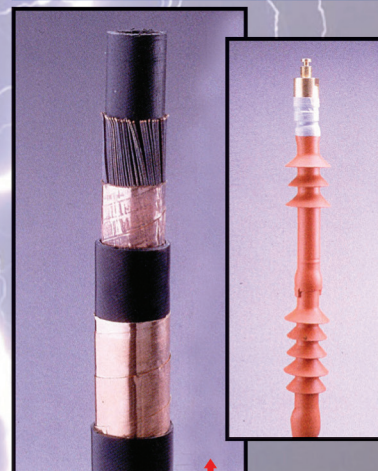
Early Streamer Emission Lightning Terminal According to the NFC 17-102 and UNE-21186 Standard



DYNASPHERE MK IV Enhanced Air Terminal

Capture point of the ERITECH System 3000 initiates an upward leader during thunderstorm conditions to capture lightning discharges over a greater radius than conventional protection. It's world renowned predecessor DYNASPHERE MK III has over 10,000 installations globally.

Ground Conductors



Cutaway diagram showing the composite layers of ERITECH ERICORE downconductor and upper termination (inset).

Comparative Performance of a conventional downconductor and ERITECH ERICORE screened, insulated downconductor

Lightning parameters			Cable voltage developed at injection point (kV)	
Peak current (kA)	% of larger currents	Max. dI/dt (GA/s)	Conventional downconductor	ERITECH ERICORE downconductor
10	92	12	580	13
30	55	40	1900	44
50	25	77	3700	85
90	5	160	7700	180

Lightning Event Counter - LEC IV



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Tartan 1635
Color Marking Tape



Temflex 1701
Vinyl Electrical Tape



Tartan 2323
Rubber Tape



Scotchlok 3
Wire Connectors



Cable Ties



Heat Shrink Tubing



BT 100P
Barricade Tape



Electrical Supplies Sales Reference Guide

Description	Size	UM
Tartan 1710 w/ ICC sticker	18mm x 16m	Rolls
Tartan 1710 w/ ICC sticker	18mm x 6m	Rolls
Tartan 1635 Blue	19mm x 6m	Rolls
Tartan 1635 Red	19mm x 6m	Rolls
Tartan 1635 Orange	19mm x 6m	Rolls
Tartan 1635 White	19mm x 6m	Rolls
Tartan 1635 Yellow	19mm x 6m	Rolls
Tartan 2323 General Use Rubber Tape	18mm x 8m	Rolls
Scotchlok 3 Wire Connectors (Re-usable splicing connectors)		Packs
Temflex 1701 w/ ICC sticker	18mm x 6m	Rolls
BT 100 Barricade Tape	3" x 1,000ft	Rolls
3M 4" Cable Ties	4 inches	Each
3M 6" Cable Ties	6 inches	Each



President's Report

(continued from page 5)

seminars lined-up for the year are: Electrical Installation & Maintenance (EIM) Industrial Motor Control (leading to EIM NC III) and Basic PLC Systems (leading to EIM NC IV), Grounding and Over-current Protection, Power Monitoring & Management.

We invite you to take full advantage of the seminars and training specially designed for our people in the construction sector. Our industry cries out for a need of more safety awareness especially in the construction site. Thus, in the interest of public safety, do coordinate with our Secretariat for a 40-HR Construction Safety and Health Course for Safety Officers. This course is being conducted by a DOLE accredited and safety course provider. To our members, companies and individuals who joined us in the several training programs, who expressed positive responses, we thank you for the trust.

SPORTS AND FELLOWSHIP

Our Sports and Fellowship Committee has lined-up sports activities to promote camaraderie among our members and partners. Please refer to our 2011 schedule of activities for further details. On March 31, 2011 at the Villamor Golf Course we had our semi-open fellowship golf. It was a well attended sport event despite everyone's very busy schedule. Consistent to the committee's annual program, Chairman Art Cenal, a bowling aficionado has the following dates to watch out for the tournament: July 30 and September 24 to be held at Superbowl, Makati.

INFORMATION AND DISSEMINATION PROGRAMS

Our Publications Committee, Chaired by Engr. Nick Balderrama adheres to its commitment to come-up with the regular release of the SPECS Currents Magazine. To add more value to this journal, we invite interested members to contribute construction industry related articles. Our members and associates will undeniably recognize the value of such pertinent information from a concerned colleagues like you.

LINKAGES

SPECS MOA with IIEE is still in full force. We continuously abide with the agreement to support and cooperate in all the Institute's worthwhile endeavors. SPECS will hold a forum and a golf tournament come August in Davao City to coincide with the IIEE's Region 9 Conference. I enjoin our members and friends in the industry to support us in this endeavor – be one of our Sponsors.

SPECS maintains its partnership with Technical Education and Skills Development Authority (TESDA). As a result of dialogues and consultations of TESDA with key industry sectors, one of which is construction, I recently signed a resolution demonstrating our full support for an effective and efficient public-private partnership, advance and improvement of technical vocational education and training as well as our active participation in the implementation of our commitment to assuring a bright and productive future for the Filipino workers and ensuring their global competitiveness. The launching of the program was attended by Sec. Lito Freo, Gov. Jimmy Itao and yours truly on March 28, 2011 at TESDA Brick Plaza.

As a long time partner, we developed programs on NC III and NC IV which is now translated into "Electrical Installation and Maintenance (EIM) III & IV". The program now is being administered by SPECS in partnership with Mechatronics Technologies Corporation (MTC) thru the sponsorship of our very own Jimmy F. Itao, SPECS Governor and Chairman- Technical Seminars and Manpower Development Committee. The first 40 Hours course was held on May 6, 7, 19, 20 and 21, 2011 at UP ISSI Bldg., Diliman, Quezon City.

Separate meetings are also being conducted to identify specific requirements of the construction industry and SPECS is at the forefront to address these specialized needs of our sector.

SPECS MOA with Philippine Constructors Association (PCA), Inc. is making headway leading to a closer relationship in support to Philconstruct 2011 in Mindanao, Visayas and Metro Manila.

The MOA with Worldbex Services International has been renewed in support of the 16th Philworld Building and Construction Exposition on March 16 – 20, 2011 at the World Trade Center and the 8th Philippine Building and Construction Exposition on May 26 – 29, 2011 at the Cebu International Convention Center.

Your Board of Governors and Officers pledged to continue serving the members and the electrotechnical industry as we envision an action-packed, dynamic and victorious year especially now that we have established our linkages and partnership with our industry partners.

We look forward to our members' and partners' unconditional cooperation and support for our Society.

An Eulogy to **OUTSTANDING PROFESSIONAL** *Engr. Edward L. Mendoza*



Sir Ed as he is fondly called, was a graduate of UP in 1971, a Professional Electrical Engineer, Certified Asean Engineer, IIEE Fellow Member. He was President of his company, Interface Industrial Corporation since 1981. At the time of his passing, he was Chairman of the Board and President of DSM Energy and Efficiency Solutions, Inc. He served as President, Director and Chairman of various prominent professional, national and international organizations: 1996 President of the Institute of Integrated Electrical Engineers of the Philippines (IIEE), 1998-99 & 2006 President of the Society of Philippine Electrotechnical Constructors and Suppliers (SPECS), 2004 to 2007 President of the Asean Federation of Electrical Engineering Contractors (AFEEC); Life Member rank was conferred to him by the Federation of Asian and Pacific Electrical Contractors Association (FAPECA) during the SPECS hosted AFEEC-FAPECA Conferences held on November 2010 in Manila.

Engr. Mendoza's accomplishment as contractor and practicing engineer made him one among the most eligible person to be in command. He served from 2002 to 2009 as member of the Board of Electrical Engineering under the Professional Regulation Commission (PRC) and 2006 Member of the Philippine Contractors Accreditation Board (PCAB)) under the Construction Industry Authority of the Philippines (CIAP), the attached agency of the Department of Trade and Industry that governs the affairs of the constructors' sector. He was a consultant of the Department of Public Works and Highways (DPWH) for the revision of the Implementing Rules and Regulations of the National Building Code.

In his incumbency as SPECS President, he explored and initiated numerous programs that strengthened the construction industry, SPECS as well: the pre-screening of applicants for PCAB license Specialty Electrical Works contractors; MOA with CIAP-PCAB to help monitor the activities of non-licensed contractors, joint activities with PSVARE to eventually encourage joint-ventures. He was a leader in the implementation of the government's Power Industry Reform Act, the Wholesale Electricity Spot Market (WESM).

During his leadership and service, he may have been involved in some controversies. With his passing, let us commend him to our Almighty Creator so that he may be blessed with love, forgiveness and mercy.

Engr. Mendoza's trademark as firm, perfectionist, good mentor, partner, friend, adviser, brother and father will always be remembered. SPECS and the construction industry he so loved, have fond memories of him that will be cherished forever.

"Whatever your practice is, as a contractor, supplier, an engineer, an electrician or even a student, there is a great future ahead; actively engage and participate to seek, to accept, neither bounds nor any limits to your creativity. It is indeed a wonderful time to be what you are". Excerpt from ELM's message SPECS Currents Special Issue Power Forum October 25 to 26, 2006"

Industry Feature

PERSONALITY HIGHLIGHT



Engineer RAMON F. ALLADO graduated from UP in 1978, Civil Engineer by profession, Project Engineer, Operations Manager, Vice President for Engineering and now the President and General Manager of Allado Construction Company, Inc. which his father started in 1967. Our featured public figure has served several corporations and organizations (both private and government accredited) as Member, Director, President, Consultant and he is also an accredited arbitrator of Construction Industry Arbitration Commission (CIAC). On December 17, 2010, he was sworn into office as Chairman of the Philippine Contractors Accreditation Board (PCAB) under the Construction Industry Authority of the Philippines (CIAP), the attached agency of the Department of Trade and Industry that governs the affairs of the construction/contractors sector. His accomplishment as contractor and practicing engineer made him eligible to be the person in command of the PCAB. He is also in the forefront in the crusade against graft and corruption. He sees to it that the

engineering profession is protected and most of all, he is an advocate of the right and proper (daang matuwid).

The highlight during the Society's 1st General Membership Meeting held last March 31, 2011 at the Greenside Dining of the Villamor Golf Club was the presentation of PCAB latest information on Licensing and Registration System. Hon. PCAB Chair Ramon F. Allado emphasized in his speech that since the incumbent board was appointed by a President who won on a platform to reduce if not eliminate corruption in Philippine Society, he is committed to promote the framework leading to image transformation of the construction industry. This can be achieved by way of its short term and long term programs. He precisely expressed the board's intention to get rid of the disturbing worldwide impression of the lack of capability of Filipino professionals and erase the notion that the Philippine construction industry is among the most corrupt in the world.

* * *

QUESTION AND ANSWER:

Q: How long will it take to process the renewal of my license, fy the renewed license was only released in January 2011 for the renewal application made on May 2010?

RFA: Last year, there was no Philippine Contractors Accreditation Board from June 24 to Dec 17, 2010. Board Members VBV Lahoz, FM Macarambon and myself were sworn into office only on December 17, 2010 by Sec. Domingo but I'm happy to report that the backlog for more than six (6) months has been eliminated, I hope that you will not experience the same difficulties again.

Q: How long will it take to process new applications, what is the shortest and longest time?

RFA: Right now, average is 30 days. People who usually take a long time are those who make use of third parties to help them secure the license. If a "fixer" will prepare the documents according to a "target" category, it is inevitable that inconsistencies in the required documents will arise, a re-submission of documents will be required and this lengthens the process. For those who are just starting, there is no need to apply for the higher category immediately. I advise that you initially apply for the Trade Category which only requires an AMO, no STE, and capital of P45K. You can apply for upgrading after six (6) months. A special license on a per project basis is also obtainable. This year, we are implementing a campaign to promote compliance with licensing laws: January to June 2011 - information campaign that will inform the stakeholders in the industry that PCAB licenses are required primarily due to public safety concerns, July to

December 2011 - amnesty period, we know many are operating without a contractors license so we will allow them time to secure a license during this period. Starting January 2012, we go after those who did not avail of the amnesty. We will write them first, then ask the DTI Regional Offices to conduct the investigations, then go to court if necessary stop their on- going construction work. I believe, making two (2) or three (3) "examples" within the year will change the climate.

Q: Why is the validity of the license good only for one (1) year?

RFA: Because of RA 4566 (PCAB used to be under PRC) construction contracting is considered a profession, our lawyers advised us of a need to comply with a yearly renewal. Because of PD 1746, constructing was also recognized as a business, that is why it was transferred to DTI when the Construction Industry Authority of the Philippines (CIAP) was created but this action did not abolish RA 4566, as a result of this PD, CIAP was tasked to formulate rules for Licensing. This has been a long standing issue, so, we are looking for creative ways to work around the 1 year validity. A three (3) year license validity will actually help reduce staff workload. A reduced workload will allow us to concentrate on important concerns such as how the foreigners will come in to our market. I personally want a three (3) year validity but a yearly submission of documents will be required. I am certain that CIAP will go along with us on this.

Q: If application is filed on April 1, 2011, what financial statement is required to be submitted, 2009 or 2010?

Continue on page 11

Industry Feature

Continued from page 10

RFA: For a new application, PCAB will accept the 2009 Financial Statement but you will still be required to submit the 2010, so, I suggest that you file your income tax return early.

Q: How do we go about a license renewal that includes upgrading?

RFA: Do not complicate your renewal by integrating the upgrading of your license. License upgrading can be done anytime but will take sometime due to the verification process. To avoid delay, avail of the new system of renewal first then file your application for upgrading after you get your renewal. Those operating in the provinces can go to DTI offices with PCAB windows. They have trained staff for all required transactions including interview of STE, pre-screening, evaluation and they can accept payments.

Q: Is it possible to include membership with accredited organization as a requirement before application/renewal of PCAB license?

RFA: No. In reality, there are legal problems even in the accreditation of national or professional contractors associations or organizations as an extension to the PCAB public assistance desk but we are in the stage of careful preparation of guidelines and policies. Exclusion of this requirement will not hinder membership of a contractor to an organization especially with a good reputation like SPECS. It can be incentive to join and a natural consequence for anybody or any company to become a member as they can avail of the pre-screening and pre-evaluation services of a PCAB accredited organization. We officially encourage contractors of all kinds to join contractor's organizations.

Q: What is the validity period of an accredited organization as an extension of the PCAB Public Assistance Desk?

RFA: There is no validity period once approved, it will be judged by its performance, a "one strike" rule will be applied however. There will be a cancellation of the accreditation if an organization is found to have recommended a certain application with spurious documents.

Q: How does PCAB resolve specific problems about areas in the construction works where Filipino contractors have and do not have capabilities.

RFA: No local firm can do say a clean coal plant simply because no Filipino construction company has a track record for that. We have to set special rules to allow the entry of foreign partners for those areas where we need help and for them to transfer the technology. But we have to set the parameters on how they can come in so that it will only be for a limited time. We are looking at a five (5) year period and a mandatory joint venture. They have

to joint venture with a local company and a local company must be the lead partner, this is our recommendation.

Foreign contractors can do contracting business in the Philippines for government and foreign assisted projects only after securing a special license, for locally funded and privately owned projects, they are not qualified. There are a lot of facilities in the Philippines wherein the contractors are foreigners and they do not have the benefit of a license.

We have to apply the laws to protect us and the practice of our profession, so, we are asking help from the construction and professional community to assist PCAB to go after them, it is important to be vigilant.

Q: May we request PCAB to look into the NGCP - TRANSCO Project, in most biddings conducted so far, no Filipino contractors were qualified.

RFA: Well taken, we will look into this case as soon as possible. PCAB will write NGCP and we will also forward this matter to the legal office of DTI for proper action.

Q: How can PCAB regulate the contractors who get projects although un-licensed, incapable to do the job, do not care about safety, not paying minimum wage and night differential, not extending benefits to workers?

RFA: Safety is the primary concern of DOLE but under the terms and conditions of the contractor's license, we can suspend and revoke licenses of those found to have violated the law. New and upgrading applicants for Category B and up are now required to send the AMOs to attend the 40-hr COSH seminar and in the interview they are being asked about the Department Order No. 13. AMOs have to provide resources for safety concerns and must make sure that a separate pay item for safety and health is included in their contracts. As legitimate contractors, we should not hire un-licensed sub-contractors and influence our clients specially developers to invite licensed contractors only. If you know somebody contracting without a license please report them to us, doing so will not only be helping PCAB but helping yourself and the industry. I would also suggest that SPECS coordinate with CMDF for the inclusion of electrical safety standards for electrical construction in the curriculum for BOSH that they are conducting. Likewise, include a module on the National Building Code, because this is also a major violation in the construction business - construction without the benefit of building permits.

*SPECS Currents gratefully acknowledges the gracious approval of Honorable PCAB Chairman Ramon F. Allado for the publication of the question and answer portion done during the Society's 1st General Membership Meeting, March 31, 2011 at the Greenside Dining, Villamor Golf Club. * * **

Retrospects

Another Batch of

Basic "OSH" for Construction Site Safety Officers

40 Hours - DOLE Accredited Seminars, March 4, 5, 11, 12 & 19, 2011



1st Group Picture: (Sitting - 3rd from the Left) Mr. Jojo Panaligan, Safety Manager, Sual Power Plant; 2nd Group Picture: (Half-Knee), in wacky shot) Engr. Ming Tan, Secretary, SOPI; 3rd Group Picture: (Standing from the Left) Engr. Joel B. Elio, VP - PEME Consultancy, Inc. Et (Sitting from Left) Engr. Jose Maria S. Batino, OIC-Deputy Executive Director, Occupational Safety and Health Center, Department of Labor and Employment

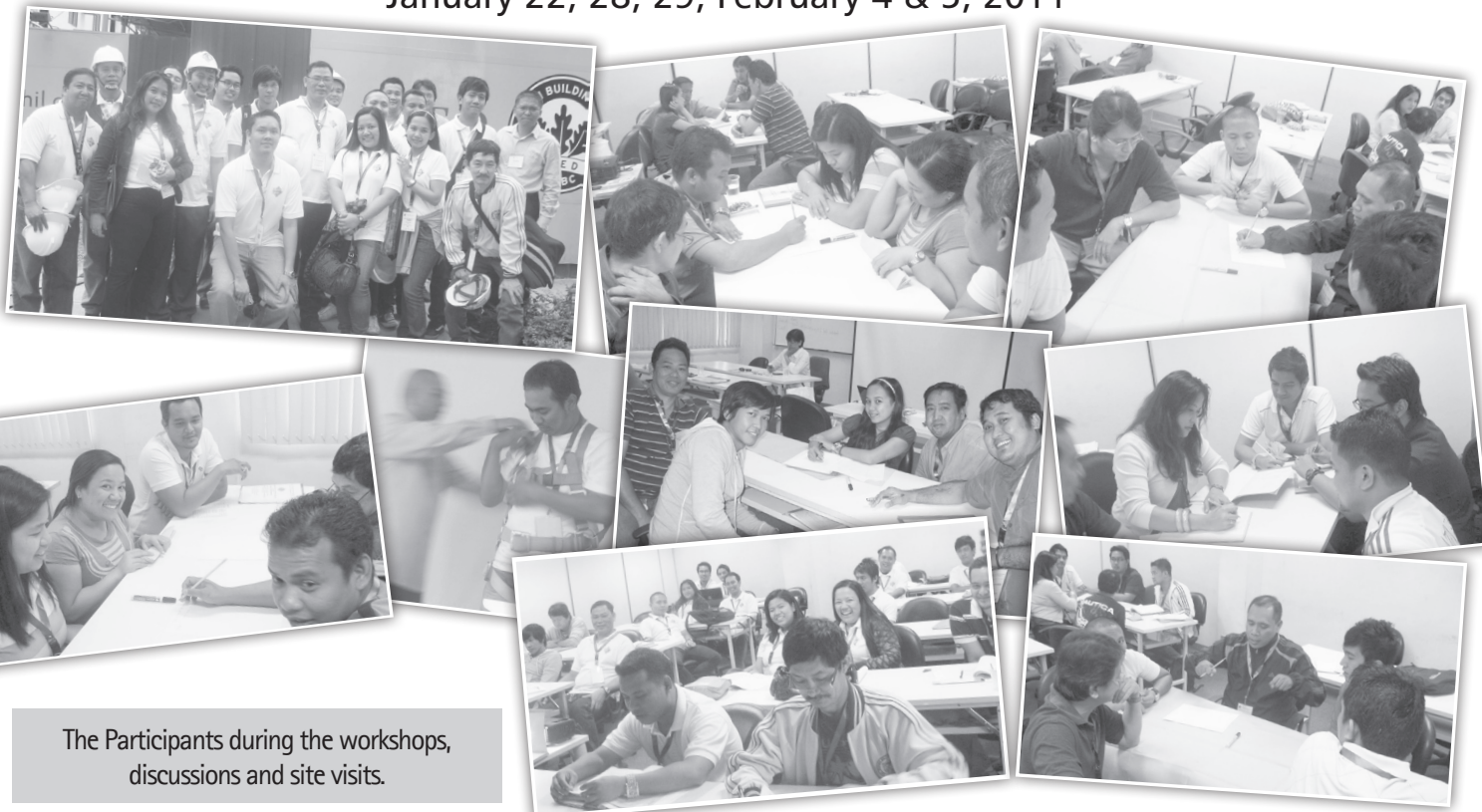
Participants: Benedict B. Abalos, Operation Et Maintenance Technical Phils., Inc. * Sulpicio C. Basilan III, Centra Electrosystems, Inc. * Efen Cabayao, Spatium, Inc. * Jessierome A. Comparativo, Archipelago Builders * Rolland N. Cruz, Kinden Phils., Corporation * Wilfredo O. Dacanay, Jr., Expedition Construction Corporation * Donato I. Dela Cruz, ICI System * Victorino Eleazar, Jr., AC Technical Services, Inc. * Ronaldo Gabito, Centra Electrosystems, Inc. * Jee Rexy A. Iway, EBECOR Corporation * Michael Llorente, ICI Systems, Inc. * Josiah T. Mendoza * Michael R. Nepomuceno, F. A. Nepomuceno Construction * Jeffrey Rainer Nemenzo, Toenec Phils., Inc. * Ricky F. Padua, Kinden Phils., Corporation, Dionisio P. Reyno, DHN Construction Et Development Corporation * Alvin V. Santos, Spatium, Inc. * Lexter Jan C. Santos, ICI Systems, Inc. * Ma. Leogina T. Villegas, MPV Construction.

Retrospects

TECHNICAL SEMINARS

Basic "OSH" for Construction Site Safety Officers 40 Hours - DOLE Accredited Seminars

January 22, 28, 29, February 4 & 5, 2011



The Participants during the workshops, discussions and site visits.



In the Picture: (Sitting - L to R) Engr. Jimmy Itao Chairman - Technical Seminar & Manpower Development Committee, Engr. Lito Freo, SPECS Secretary & Engr. Joel B. Ello, Vice President - PEME Consultancy (one of the SPEAKER during the 5 days training)

Participants: Joseph E. Galdo, Control House International Supplies & Service * Jonathan V. Vertido, DOU-System Technology, Inc. * Paul R. Pabelico, Ecosystems, Inc. * Dennis S. Comejo, EP Comejo Construction * Jhondee P. Germino, Freeport Shipyard & Engg. Corp. * Marigold C. Gatus & Elizabeth M. Gatus, Grandeur Construction & Vibrant Realty, Inc. * Arthur F. Maurera, IIEE Foundation, Inc. * Christopher M. Macadaeg, JPM Cavat Construction * Bryan E. Naupan & Debbie Joy S. Padrinao, Kinetic Phils., Electrical Const., Inc. * Ma. Precilyn T. Traboco, Lantro Phils., Inc. * Renz Marion M. Martinez, Lead Core Technology System, Inc. * Rolando G. Santiago & Claro B. Cunanan, Maxibuild, Inc. * Anthony Paulo D. Freo & Crisanto F. Hasta, Powerloops, Inc. * Michael Benjamin P. Florentino & Paolo C. Ancheta, Romago, Inc. * Rommel C. Magtibay & Arnel N. Veral, Toenec Phils., Inc. * Rosiel M. Agsolid, Transpower Builders & Development Corporation.

Retrospects

TECHNICAL SEMINAR

Substation (HV Cable, Transformer, HV & LV Switchgear) Testing & Commissioning

Conducted by Engr. Jesus C. Santos, PEE

last March 24, 25 & 26, 2011 at the 3rd Floor, IIEE Bldg., Monte De Piedad St., Cubao, Quezon City

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Retrospecs

FELLOWSHIP GOLF TOURNAMENT

Villamor Golf Course @ March 31, 2011

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(Photo L-R) Engr. Jojie Mejia, Mr. Lito Freo, Ms. Malou Doles, Arch. Edwin Aguilung & Engr. Ariel Francisco



(Photo L-R) Mr. Larry Chua, Mr. Art Escalante, Ms. Malou Doles, Mr. Dean David & Mr. Andy Lim.



(Photo L-R) Mr. Juanito Felipe, Mr. Bert Castillo, Mr. Andy Lim & Mr. Roland Enriquez



(Photo L-R) Mr. Pol Leoncio, Mr. Paul HSU, Mr. Bernard Morillo & Mr. Andy Lim.



(Photo L-R) Mr. Nestor Garnace, Mr. Jad Divinagracia, Mr. Rey Daquigan & Mr. Steve Nieva

Retrospecs

FELLOWSHIP GOLF TOURNAMENT Villamor Golf Course @ March 31, 2011

THE WINNERS

CLASS "A"



Champion: Mr. Nestor Garnace



Runner-Up: Mr. Arthur Escalante

CLASS "B"



Champion: Mr. Jad Divinagracia



Runner-Up: Mr. Larry Chua
(Ms. Arjin accepting the trophy in behalf of Mr. Larry Chua)

CLASS "C"



Champion: Mr. Juanito Felipe
(Mr. Nestor Garnace accepting the trophy)



Runner-Up: Mr. Dean David

Retrospecs

1st GENERAL MEMEBERSHIP MEETING Villamor Golf Course @ March 31, 2011



FP Andy Lim, Guest Speaker Hon. Ramon Allado, FP Pol Leoncio, Sec. Lito Freo, FP Francis Mapile, Mr. Ronel A. Calusin, Mr. Anthony Paulo D. Freo, Mr. Ying-Pin Chiu, VP Bernard Morillo and Pres. Art Escalante posed after the induction of the new members.



The New Members (L-R) Mr. Ronel A. Calusin, GM-J Rinc Enterprises Corp., Mr. Anthony Paulo D. Freo, VP-Powerloops, Inc. & Mr. Ying-Pin Chiu, Pres.-Shihlin Electric were inducted by Engr. Francis V. Mapile, PEE, FIEE Asean Engr.



Hon. Allado accepting the token from Pres. Art Escalante after his speech with Sec. Lito Freo.



(Photo L-R) Pres. Art, Hon. Allado, Ms. Leah Florentino, Mr. Francis Mapile, Mr. Andy Lim and Mr. Pete Marcelino.



(Photo L-R) Ms. Malou Doles, Mr. Francis Mapile, Mr. Bernard Morillo, Mr. Pol Leoncio, Ms. Leah Florentino & Mr. Julius Alayon.

3M™ ELECTRICAL PRODUCTS

OVERHEAD LINE PRODUCTS, LUGS & CONNECTORS

30000 Series

One-Hole
Standard
Barrel



Wire Size AWG or MCM	Stud Size	Part Number	Color Code
6	#10	30004	Blue
	#14	30005	Blue
	#18	30006	Blue
4	#10	30007	Gray
	#14	30008	Gray
	#18	30009	Gray
2	#10	30010	Green
	#14	30011	Green
	#18	30012	Green
1	#10	30013	Yellow
	#14	30014	Yellow
	#18	30015	Yellow
1/0	#10	30016	Pink
	#14	30017	Pink
	#18	30018	Pink
3/0	#10	30019	Black
	#14	30020	Black
	#18	30021	Black
50	#10	30022	Red
	#14	30023	Red
	#18	30024	Red
40	#10	30025	White
	#14	30026	White
	#18	30027	White

11000 Series

Long Barrel



Wire Size AWG or MCM	Stud Size	Part Number	Color Code
2/0	#10	11006	Black
	#14	11007	Black
	#18	11008	Black
3/0	#10	11009	Tan
	#14	11010	Tan
	#18	11011	Tan
4/0	#10	11012	Violet
	#14	11013	Violet
	#18	11014	Violet
250	#10	11015	Yellow
	#14	11016	Yellow
	#18	11017	Yellow
300	#10	11018	White
	#14	11019	White
	#18	11020	White
350	#10	11021	Red
	#14	11022	Red
	#18	11023	Red
500	#10	11024	Brown
	#14	11025	Brown
	#18	11026	Brown
750	#10	11027	Black
	#14	11028	Black
	#18	11029	Black

10000 Series

Standard Barrel



Wire Size AWG or MCM	Stud Size	Part Number	Color Code
6	#10	10001	Blue
	#14	10002	Blue
	#18	10003	Blue
4	#10	10004	Gray
	#14	10005	Gray
	#18	10006	Gray
2	#10	10007	Green
	#14	10008	Green
	#18	10009	Green
1	#10	10010	Yellow
	#14	10011	Yellow
	#18	10012	Yellow
1/0	#10	10013	Pink
	#14	10014	Pink
	#18	10015	Pink
3/0	#10	10016	Black
	#14	10017	Black
	#18	10018	Black
50	#10	10019	Red
	#14	10020	Red
	#18	10021	Red
40	#10	10022	White
	#14	10023	White
	#18	10024	White
250	#10	10025	Yellow
	#14	10026	Yellow
	#18	10027	Yellow
300	#10	10028	White
	#14	10029	White
	#18	10030	White
350	#10	10031	Red
	#14	10032	Red
	#18	10033	Red
500	#10	10034	Brown
	#14	10035	Brown
	#18	10036	Brown
750	#10	10037	Black
	#14	10038	Black
	#18	10039	Black
1000	#10	10040	White
	#14	10041	White
	#18	10042	White

31000 Series

One-Hole
Long Barrel



Wire Size AWG or MCM	Stud Size	Part Number	Color Code
2/0	#10	31006	Black
	#14	31007	Tan
	#18	31008	Tan
3/0	#10	31009	Gray
	#14	31010	Gray
	#18	31011	Gray
4/0	#10	31012	Violet
	#14	31013	Violet
	#18	31014	Violet
250	#10	31015	Yellow
	#14	31016	Yellow
	#18	31017	Yellow
300	#10	31018	White
	#14	31019	White
	#18	31020	White
350	#10	31021	Red
	#14	31022	Red
	#18	31023	Red
500	#10	31024	Brown
	#14	31025	Brown
	#18	31026	Brown
750	#10	31027	Black
	#14	31028	Black
	#18	31029	Black
1000	#10	31030	White
	#14	31031	White
	#18	31032	White

31000 Series

Two-Hole
Long Barrel



Wire Size AWG or MCM	Stud Size	Part Number	Color Code
2	#10	31125	Brown
	#14	31126	Black
	#18	31127	Black
1	#10	31128	Black
	#14	31129	Black
	#18	31130	Black
1/0	#10	31131	Pink
	#14	31132	Pink
	#18	31133	Pink
3/0	#10	31134	Tan
	#14	31135	Tan
	#18	31136	Tan
4/0	#10	31137	Violet
	#14	31138	Violet
	#18	31139	Violet
250	#10	31140	Yellow
	#14	31141	Yellow
	#18	31142	Yellow
300	#10	31143	White
	#14	31144	White
	#18	31145	White
350	#10	31146	Red
	#14	31147	Red
	#18	31148	Red
500	#10	31149	Brown
	#14	31150	Brown
	#18	31151	Brown
750	#10	31152	Black
	#14	31153	Black
	#18	31154	Black
1000	#10	31155	White
	#14	31156	White
	#18	31157	White

40000 Series

Two-Hole
Long Barrel



Wire Size AWG or MCM	Stud Size	Part Number	Color Code
1/0 AWG	3/8" (10 mm)	40120	Tan
	1/2" (12 mm)	40121	Gray
	3/4" (19 mm)	40122	Black
2/0 AWG	1/2" (12 mm)	40123	Black
	3/4" (19 mm)	40124	Black
	1" (25 mm)	40125	Black
3/0 AWG	3/4" (19 mm)	40126	Black
	1" (25 mm)	40127	Black
	1 1/4" (32 mm)	40128	Black
4/0 AWG	1" (25 mm)	40129	Black
	1 1/4" (32 mm)	40130	Black
	1 3/4" (44 mm)	40131	Black
250 kcmil	1 1/4" (32 mm)	40132	Black
	1 3/4" (44 mm)	40133	Black
	2" (51 mm)	40134	Black
300 kcmil	1 3/4" (44 mm)	40135	Black
	2" (51 mm)	40136	Black
	2 1/4" (61 mm)	40137	Black
350 kcmil	2" (51 mm)	40138	Black
	2 1/4" (61 mm)	40139	Black
	2 3/4" (69 mm)	40140	Black
400 kcmil	2 1/4" (61 mm)	40141	Black
	2 3/4" (69 mm)	40142	Black
	3" (76 mm)	40143	Black
500 kcmil	2 3/4" (69 mm)	40144	Black
	3" (76 mm)	40145	Black
	3 1/4" (86 mm)	40146	Black
600 kcmil	3" (76 mm)	40147	Black
	3 1/4" (86 mm)	40148	Black
	3 3/4" (95 mm)	40149	Black
750 kcmil	3 1/4" (86 mm)	40150	Black
	3 3/4" (95 mm)	40151	Black
	4" (102 mm)	40152	Black
1000 kcmil	3 3/4" (95 mm)	40153	Black
	4" (102 mm)	40154	Black
	4 1/4" (111 mm)	40155	Black



Wedge Connector
FWC Fired Wedge Connector

3M Fired Wedge Connector Selection Chart
By conductor size, ACSR (Paw) - ACSR (Tap)

1/0 AWG	2/0 AWG	3/0 AWG	4/0 AWG	336.4 MCM	RUN/TAP
1/0-2	2/0-2	3/0-2	4/0-2	336-2	2 AWG
1/0-1/0	2/0-1/0	3/0-1/0	4/0-1/0	336-1/0	1/0 AWG
	2/0-2/0	3/0-2/0	4/0-2/0	336-2/0	2/0 AWG
		3/0-3/0	4/0-3/0	336-3/0	3/0 AWG
			4/0-4/0	336-4/0	4/0 AWG
				336-336	336.4 MCM

Note: For conductors other than ACSR, please refer to your 3M Sales Representative. For conductor sizes not mentioned above, please contact your 3M Sales Representative.

Hydraulic Tool

SCP Series



HT-1				HT-2	
1/0 AWG	2/0 AWG	3/0 AWG	4/0 AWG	336.4 MCM	RUN/TAP
1/0-2	2/0-2	3/0-2	4/0-2	336-2	2 AWG
1/0-1/0	2/0-1/0	3/0-1/0	4/0-1/0	336-1/0	1/0 AWG
	2/0-2/0	3/0-2/0	4/0-2/0	336-2/0	2/0 AWG
		3/0-3/0	4/0-3/0	336-3/0	3/0 AWG
			4/0-4/0	336-4/0	4/0 AWG
				336-336	336.4 MCM

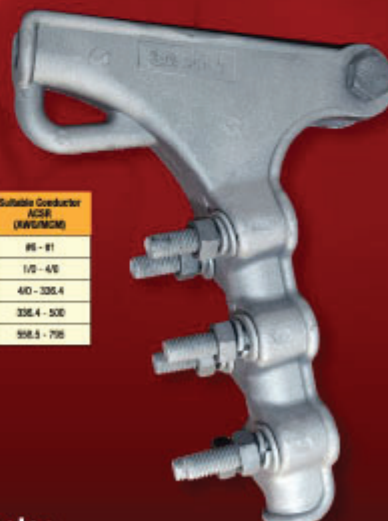
Strain Clamp

SCT Series

Characteristics and Dimensions:

Catalog No.	Conductor Size (mm)	Dimensions (mm)				Bolt No.	Failure Load (kg)	Suitable Conductor ACSR (AWG/MCM)
		L	R	M	C			
SCT-1	5 - 10	106	16	126	18	3	4,579	#6 - #1
SCT-2	10 - 14	187	16	176	18	3	4,579	1/0 - 4/0
SCT-3	14 - 18	203	16	190	18	3	7,136	4/0 - 336.4
SCT-4	18 - 23	294	16	296	18	3	8,177	336.4 - 500
SCT-5	23 - 29	343	16	475	36	6	10,186	500.5 - 750

Note: Pincl deforming factor is the diameter of conductor



HTC Connector

3M H Tap (HTC) Connector

Model No.	Run		Tap	
	Wire Range (mm)	ACSR (AWG/MCM)	Wire Range (mm)	ACSR (AWG/MCM)
HTC-100	4.11 - 8.43	#6 - #2	4.11 - 8.43	#6 - #2
HTC-150	6.80 - 10.64	#3 - 1/0	4.11 - 8.43	#6 - #2
HTC-200	10.11 - 11.94	1/0 - 2/0	4.11 - 8.43	#6 - #2
HTC-250	12.61 - 14.30	3/0 - 4/0	4.11 - 8.43	#6 - #2
HTC-300	8.53 - 11.94	#1 - 2/0	4.11 - 11.35	#1 - 2/0
HTC-350	11.71 - 14.30	3/0 - 4/0	8.50 - 11.35	#1 - 2/0



Suspension Clamp

SCP Series

Characteristics and Dimensions:

Catalog No.	Applicable Conductor Size (mm)	Dimensions (mm)					Rated Failure Load (kg)	Weight (kg)	Suitable Conductor ACSR (AWG/MCM)
		L	C	M	R	L			
SCP-3	12.4 - 17.0	53	20	16	10	180	4,079	1.5	up to 206.8
SCP-4	19.0 - 23.5	74	28	16	12	226	4,379	2.3	336.4 - 556.5
SCP-5	24.3 - 30.0	87	36	16	16	262	6,118	4.4	606 - 796

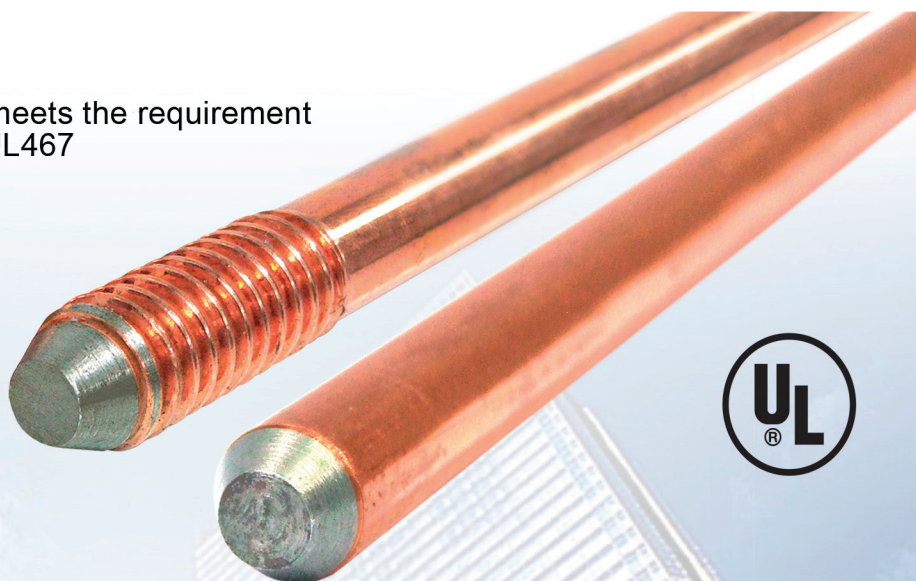
Copper Bonded Ground Rod

Kumwell

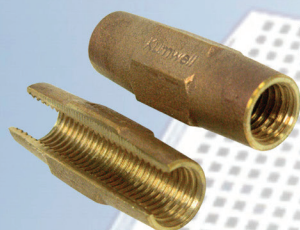
Thailand

Kumwell Copper Bonded Ground Rod meets the requirement of the world's most rigorous standards. UL467

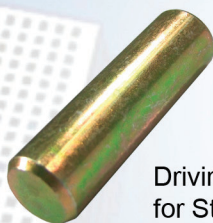
- Long life
- High resistance to corrosion
- Low resistance path to ground
- Ability to carry high currents
- Cost-effective



Accessories



Silicon Bronze
Coupling



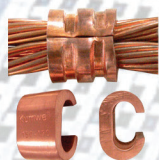
Driving Head
for Standard Series

Driving Head
for Threaded Series



Tip for
Hard Soil Area

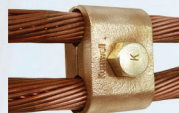
Grounding Materials



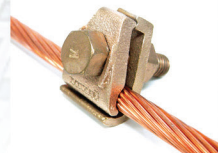
C-Clamp



Terminal Lugs



Ground Clamping
Two Cable to Flat Bar



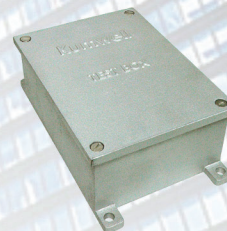
Ground Clamping
Cable to Flat Bar



Static Earth
Receptacle



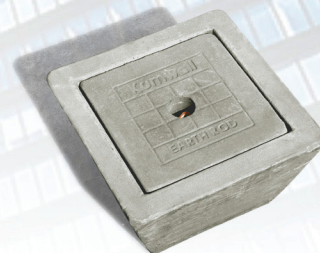
Earth Point



Test Box



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Industry Feature

The following Board Resolutions of PCAB have been implemented recently. We are reprinting the Board Resolutions without letterhead and signature to provide more space for information.

SPECS is awaiting its appointment from PCAB as an extension desk to assist the members in expediting the renewal of licenses.

BOARD RESOLUTION NO. 60 SERIES OF 2011

Adopting Revised Procedure in the Conduct of Interview of New Authorized Managing Officer

In the interest of service, the Philippine Contractors Accreditation Board in the meeting held on 13 January 2011, RESOLVED to adopt the following procedures in the conduct of interview of new Authorized Managing Officers (AMOs), AMOs of firms upgrading to category B and above, foreign AMOs, and AMOs whose qualification cannot be fully determined by their submitted documents, pursuant to Sections 19 and 20 R. A. 4566:

1. All new Authorized Managing Officers (AMOs), AMOs of firms upgrading to category B and above, and foreign AMOs regardless of category will be interviewed by the Board on or before their respective applications are deliberated by the Board. *Provided* that, an AMO who had served in such a capacity for at least two (2) years in a licensed firm in exempted from interview. *Provided further*, that the Board may require the interview of applications for category below B if in their submitted qualification, the two (2) years experience in the construction industry cannot be established. The AMO of a sole proprietorship in the proprietor;
2. Interviews may be conducted by a panel of all three members or by an individual member as

circumstances require. The interviewing board member may refer the applicant to panel interview for further determination of the applicant's qualification;

3. The Board may conduct its interview in the PCAB office in Makati or in the Visayas and Mindanao, as may warranted. Interviews in the Visayas and Mindanao shall be conducted in the presence of regional or provincial DTI personnel;
4. All interviews are conducted by appointment. Interviewees will be notified through email, fax or any other expedient means at least five (5) days before schedule who, in turn, should confirm their attendance within two (2) days from receipt;
5. Specific time will be allotted to each interviewee. Interviewees are advised to come on time, otherwise, their slots are forfeited and will be re-scheduled. A five-minute grace period will be afforded the interviewee;
6. Failure to appear in the scheduled interview may cause the disapproval of the application.

SO ORDERED.

13 January 2011, Makati City

BOARD RESOLUTION NO. 144 SERIES OF 2011

SAFETY SEMINAR FOR NEW PROPRIETORS/AMOs AND LICENSES APPLYING FOR UPGRADING OF LICENSE CATEGORY

WHEREAS, Section 20 of RA 4566 (the Contractor's License Law) requires that the proprietor/AMO of a construction firm must show knowledge of building, safety, health and lien laws of the Republic of the Philippines, among others;

WHEREAS, the Board, during interviews with AMO candidates, discovered a lack of knowledge of safety and health laws, e.g., DOLE D. O. No. 13, series of 1998 prompting the Board to require new proprietors of AMOs to undergo the 40-hour Construction Safety and Health Course for Site Safety Officers as early as 13 January 2011;

WHEREAS, recent events in the construction industry call for a need for more safety awareness in the construction site; and

WHEREAS, the implementation of safety programs has cost considerations that require top management decision.

NOW, THEREFORE, based on the foregoing premises, as an initial measure and in the interest of public safety, the Board RESOLVED to require (a) proprietors or AMOs of new license applicants; (b) applicants for change of AMO; and (c) proprietors AMOs of applicants for upgrading of license category, regardless of whether the proprietor or AMO has served in such a capacity prior to the application to submit on or before 30 June 2011 proof of completion of 40-hour Construction Safety and Health Course for Safety Officers conducted by a DOLE accredited safety course provider.

The Board further RESOLVED that non-compliance with this requirement shall be a bar to the renewal of the license until compliance. Provided that should the contractor fail to comply within two contracting fiscal years after 30 June 2011, the license shall be delisted pursuant to the provisions of Rule 13 of the implementing Rules and Regulations of RA 4566.

SO ORDERED

09 February 2011, Makati City

Utility Feature

STANDARDS IN GRANTING NEW MERALCO RESIDENTIAL SERVICE

Service Standards Team, Process and Standards
Manila Electric Company

Residential customers account for more than ninety percent (90%) of Meralco's total customer count for 2010. Since majority of our customers belong to this segment, it is but fitting to discuss the basic Meralco requirements in granting electric service to residential units or buildings.

The following guidelines cover applications for new services for single or multi - unit residential buildings.

Single - Unit Residential Buildings

A residential building designed and constructed for the use of a single family or household is entitled to only one service and must comply with the following technical requirements:

The building must have a complete premises wiring system compliant with the latest edition of the Philippine Electrical Code and with MERALCO's existing standards on service entrance installations.

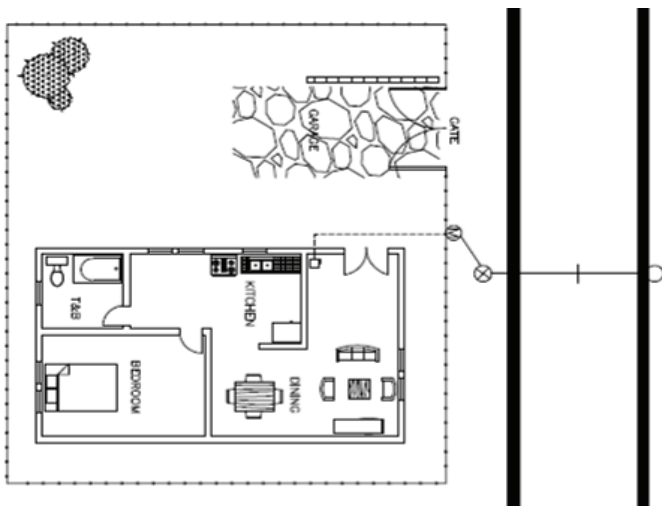
There must be physical manifestations of permanent occupancy, the minimum of which are permanent kitchen, comfort room, and adequate washing and drainage facilities.

Except for indigenous dwelling, the applicant is required to submit electrical plans showing at least the load schedule and a one-line diagram. The plan must be signed and sealed by a professional electrical engineer.

The applicant must submit wiring permit prior to the issuance of electric meter socket and certificate of final electrical inspection prior (CFEI) to service installation.

The applicant must also comply with all other general requirements as may be required by the office handling the service application.

TYPICAL SINGLE – UNIT RESIDENTIAL BUILDING



Multi - Unit Residential Buildings

Residential units in a multi - unit residential building, as in the case of apartment buildings, row houses and town houses, may be granted with new service provided that all of the following technical requirements are met:

There must be horizontal - occupancy separation (walls) and vertical - occupancy separation (floors and ceilings) between units and shall have no openings.

The horizontal - occupancy separation (walls) must be extended from the foundation up to the purlins, beyond the ceiling but not protruding the roof of the building.

It can be any of the following:

- Solid masonry with minimum thickness of 10 centimeters (4 inches).
- Hollow unit masonry with minimum thickness of 15 centimeters (6 inches).
- Solid concrete with minimum thickness of 10 centimeters (4 inches).

The vertical - occupancy separation (floor and ceiling) from the unit below and above must be made of reinforced concrete slab with minimum thickness of 10 centimeters (4 inches).

There must be no opening or access between units. Residential units with entrances or accesses through other units are not qualified for independent service.

There must be an independent access from the outside or from the common areas.

All units must have physical manifestations of permanent occupancy, with a permanent kitchen, comfort room, and adequate washing and drainage facilities.

There must be a separate and independent wiring system for each unit, compliant with the latest edition of the Philippine Electrical Code, and with MERALCO's existing standards on service entrance installations.

There must be no interconnection on the load side wiring.

Except for traditional indigenous residential buildings, the applicant must be required to submit electrical plans showing at least the load schedule and a one - line diagram. The plans must be signed and sealed by a professional electrical engineer.

The applicant must submit wiring permit prior to the issuance of electric meter socket and certificate of final electrical inspection (CFEI) prior to service energization.

The applicant must also comply with all other general requirements as may be required by the office handling the service application.

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CADWELD® PLUS connections:

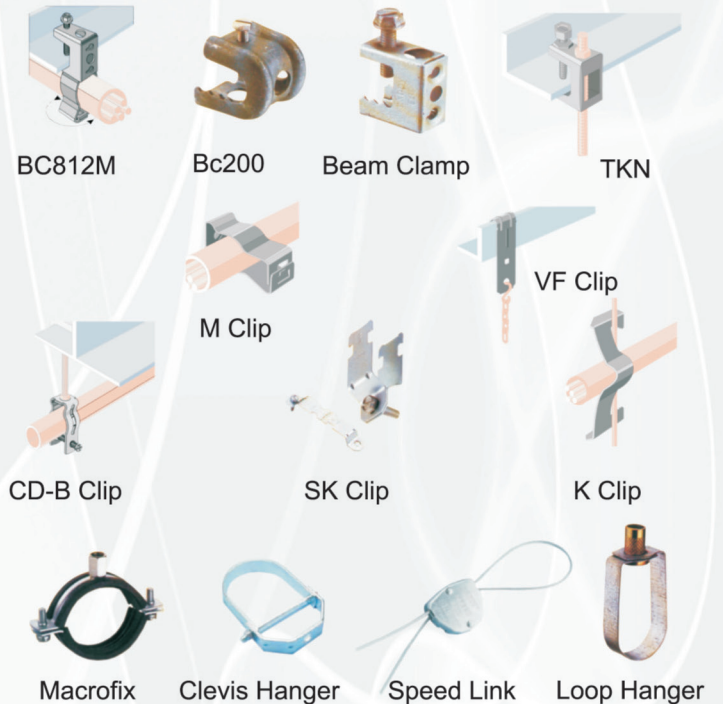
- Exceed requirements of "IEEE® Std 873 - Std. for Qualifying Permanent Connections Used In Substation Grounding"
- Withstand repeated fault currents without failing
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Color Coded Weld Metal	<ul style="list-style-type: none"> • Reduces risk of misapplication • Simple visual verification of correct weld metal size
Electronic Control Unit	<ul style="list-style-type: none"> • No Starting material required • Easy ignition
Six Foot Control Unit Lead	<ul style="list-style-type: none"> • Increased flexibility in hard to reach areas



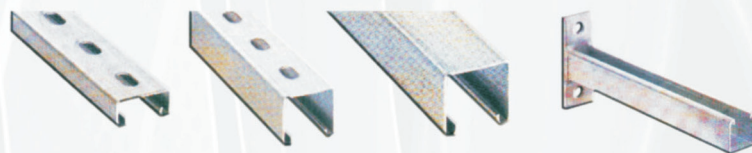
SAVE Time and Labor Costs with Quality Fasteners from ERICO®

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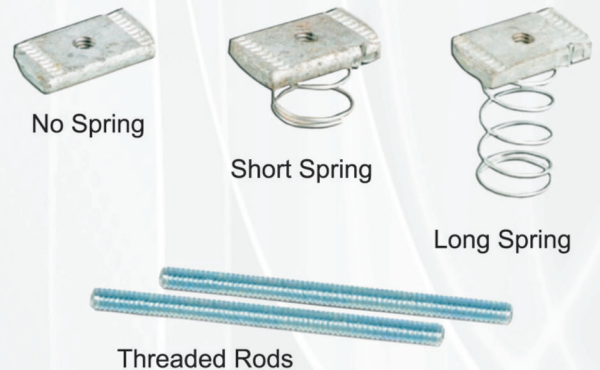


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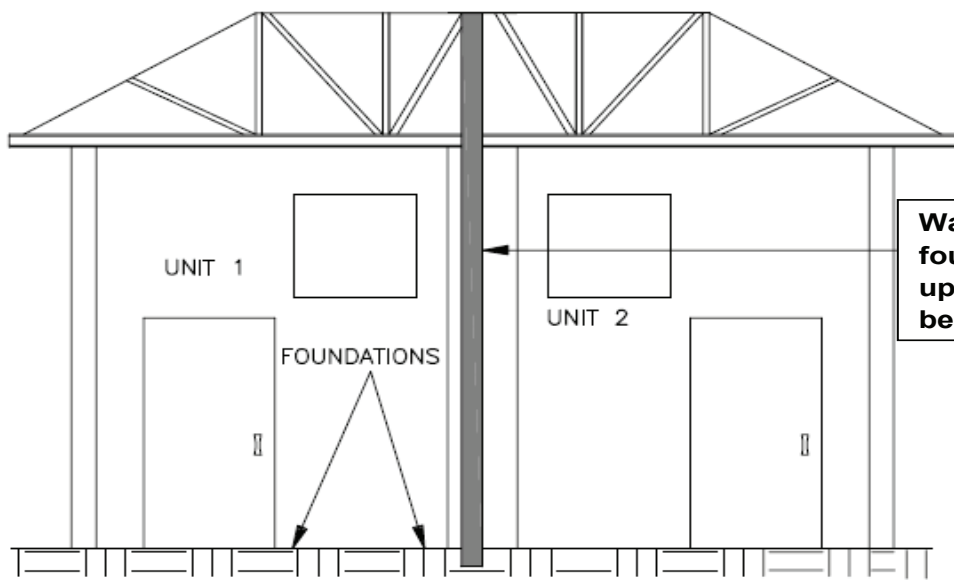
Utility Feature

Buildings Separated by Firewalls

A firewall is any wall which subdivides a building to prevent spread of fire, starting at the foundation and extending continuously through all storeys to and above the roof. The minimum extension above the roof is 1-m except for buildings

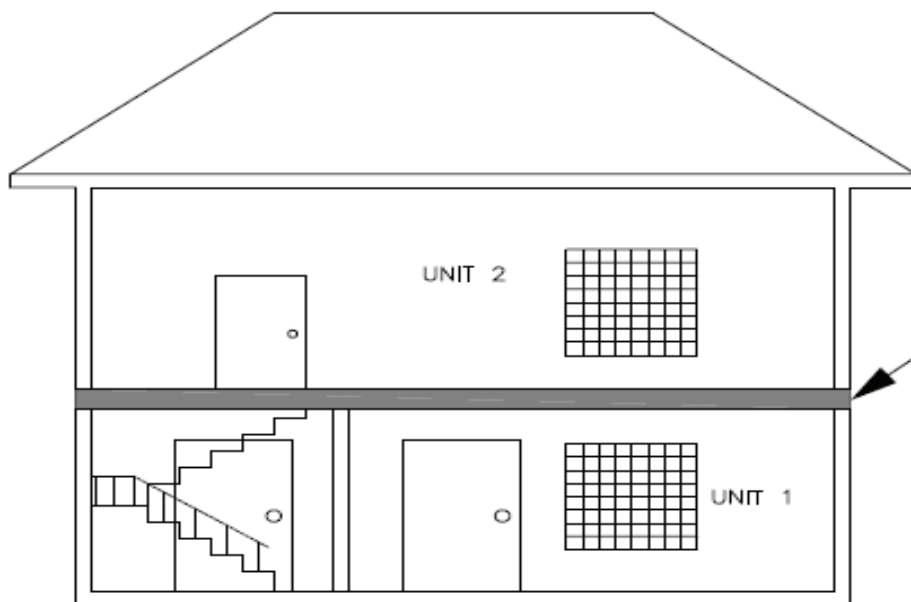
covered by BP 220 where a minimum height of 0.3-m is allowed.

Adjoining residential units may be considered to be separate buildings or structures only if they are separated by the required firewalls. A separate service drop or lateral is permitted to serve adjoining structures separated by the required firewalls.



Wall extends from the foundation, above the ceiling up to the level of purlins, but below the roof.

With horizontal occupancy separation (Wall)



Vertical occupancy separation (floor / ceiling) for multi-unit

ENTRANCE FOR
UNIT 2

ENTRANCE FOR
UNIT 1

With vertical occupancy separation (Floor and Ceiling)

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Industry Feature

Continued from page 20

BOARD RESOLUTION NO. 118 SERIES OF 2011

Enjoining Early Filing of License Renewal and Requiring Upfront Payment of P5,000 Additional License Fee By Late Filers

To instill discipline and ensure compliance with the provisions of Republic Act 4586, otherwise known as the Contractor License Law, the Philippine Contractors Accreditation Board (PCAB), during its special meeting held on 24 January 2011, RESOLVES, as it is hereby RESOLVED, to enjoin renewing contractors to file their renewal applications in accordance with the staggered renewal filing schedule as stated below:

Last Digit of License No.	Filing Month
0 and 1	February
2 and 3	March
4 and 5	April
6 and 7	May
8 and 9 and new license	June

Approved from January
to June

The PCAB also RESOLVED to discontinue the submission of "Affidavit of No Operation" and instead, all renewal filers after 30 June of the contracting year will pay an additional license fee (ALF) of 5,000.00.

SO ORDERED
24 January 2011

BOARD RESOLUTION NO. 145 Series of 2011

Prescribing Comprehensive Written Examination for New Authorized Managing Officers and Licenses Applying for Upgrading of License Category

Whereas, Republic Act 4566 (RA 4566), otherwise, known as the Contractor's Licensing Law, was enacted primarily to ensure public safety and protection of the interest of both the public and the construction industry;

Whereas, Section 19, Article IV of RA 4566 authorizes the PCAB to investigate, classify and qualify applicants for contractors' license by written or oral examination, or both;

Whereas, Section 20, Article 20 IV of the same Law provides that the Board shall require an applicant to show at least two years experience in the construction industry, and the knowledge of the building, safety, health and lien laws of the Republic of the Philippines and the rudimentary administrative principles of the contracting business as the Board deems necessary for the safety of the public;

Whereas, the demands of construction contracting business and recent untoward incidents in the construction sites stress the need to ensure that the applicants possess such knowledge;

Whereas, one among others, of better screening tools to determine such knowledge is the development of a more comprehensive written examination with a pool of at least five hundred (500) questions and complete answers to be made available to all license applicants as part of the education process;

Whereas, the written examination shall consist of at least fifty (50) questions taken from the pool at random;

Whereas, thirty-five (35) correct answers out of fifty (50) questions shall be the passing score;

Whereas, there will be fifteen (15) mandatory questions on building safety and health, tax and labor laws that have to be correctly answered by an examinee to pass; and

Whereas, the written examination, for time and cost efficiency, is meant to eventually phase out the oral examination/interview presently given to same license applicants.

NOW, THEREFORE, in view of the foregoing, the Board RESOLVES, AS IT IS HEREBY RESOLVED, to prescribe a comprehensive and responsive written examination to screen license applicants, which shall be formulated jointly with the Philippines Domestic Construction Board and the Construction Manpower Development Foundation.

This resolution shall become effective 15 days after publication.

SO ORDERED.
09 February 2011, Makati City

Continue on page 27

PRODUCT LINES & SERVICES:

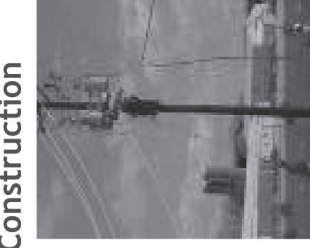


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- Lighting Systems
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Industry Feature

Continued from page 25

BOARD RESOLUTION NO. 184 Series of 2011 ADOPTING PCAB INTERVIEW GUIDELINES

Whereas, Section 19, Article IV of Republic Act 4566, otherwise known as the Contractor's License Law, authorizes the PCAB to investigate, classify and qualify applicants for contractor's license by written or oral examination, or both;

Whereas, Section 20, Article IV of the Contractor's License Law provides that the Board shall require an applicant to show at least two years experience in the construction industry, and the knowledge of the building, safety, health and lien laws of the Republic of the Philippines and the rudimentary administrative principles of the contracting business as the Board deems necessary for the safety of the contracting business of the public;

Whereas, oral examination has been proven effective in assessing whether the proprietor or nominated authorized managing officer (AMO) of the firm is indeed possession of the above required minimum experience to manage his/her construction firm;

Whereas, based on existing procedure in conducting interview, members of the PCAB may individually handle the interview, however, full Board interview may be conducted on a case-to-case basis, as the need arises; and

Whereas, to ensure effectiveness, consistency and optimum results, clear-cut guidelines in the conduct of AMO interview shall be put in place.

NOW, THEREFORE, in view of the foregoing and to ensure effectiveness and consistency, the Board **RESOLVED**, as it is hereby **RESOLVED** to adopt the following interview guidelines.

Areas to be covered:

1. Acknowledgement and understanding of AMO affidavit by applicant.
2. Establish position and authority of candidate AMO in firm/ability to commit and answer for the firm;
3. Establish experience required to run a construction outfit;
4. Establish knowledge in the following.
 - A. Building Laws
 - B. Safety and health, Lien Laws
 - C. Tax Laws
 - D. Republic Act 4566 and Presidential Decree No. 1748
 - E. Adherence to the regulatory requirements of the Social Security Act, Phil Health Insurance Corp. and Pag-ibig Fund.
 - F. Contractor's Code of Ethics.
 1. Comments from interviewee and answer to questions for improvement of PCAB policies.

This Resolution shall take effect immediately.

SO ORDERED.
04 March 2011, Makati City

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Hospital



J. Tuazon and Architect

Recreation & Hotel



HEO Architectural

Recreational



R. Villarosa and Associates

Industrial Plant

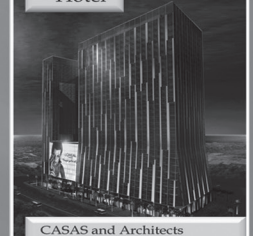


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Announcement

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Sports & Fellowship.....

2nd General Membership Meeting
July 13, 2011, 6:00 p.m., Meralco Lighthouse

16th SPECS Fun Game Bowling Tournament
July 30, 2011, 12:00 Noon, Superbowl, Makati Square

18th Invitational Golf Tournament
August 24, 2011, Rancho Palos Verdes Golf & Country Club, Davao City
Tee-Off: 6:00 – 10:00 A. M.

CPE Accredited Training, Seminars & Power Forum
40 – Hours Safety Seminar as required by DOLE
July 24, 25, July 1 & 2, 2011, 7:00 AM to 6:00 PM, IIEE Building

Power Forum in Conjunction with IIEE Southern Mindanao Regional Conference
August 25, 2011, Davao Convention Center

Please contact the Secretariat at 722-4725; 413-0994; 386-8782
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Fire Prevention Month

Presidential Proclamation No. 115-A as declared to be the official observation of Fire Prevention Month during the month of March is promoted to provide education and awareness to lessen the incidence of fire in the Philippines. The Philippine Summer can cause about 9000-10000 fire incidents nationwide. All types of households can fall victim, 3M provides the tips on prevention as acknowledged by experts on the field.



Top Hot Home Fire Prevention Tips and Measures from 3M

1. Regularly clean the house by removing the accumulation of dried leaves, wood shavings and litter in all parts of the house, these items can act as "fire fuel". The mix of heat fuel and oxygen make it possible to create fire. Temperatures of these "fire fuel" via the summer heat can reach a certain critical point where ignition is possible to start dangerous household fires.
2. Give extra attention to oil, native lamps, and other combustible decorations and materials in the house should be placed away from curtains and other objects that easily catch fire. Do not put them where the wind, children, cats and other moving beings may topple them. Put the flame out before going to bed.
3. Observe what your children are playing with during this Summer break, be on high alert this season for children playing combustible items such as matches inside your house. The spread of fire is faster so react quickly!
4. Regularly check your home electrical installations by a licensed electrician, have frayed wirings and electrical fixtures repaired to ensure that the recommended solution and brands are used, especially during seasons of fire prevention (Which is summer and Christmas season).
5. Do not overload your electrical circuits by turning off electrical appliances that aren't necessary to be used. Overheating of electrical circuits causes the insulation to melt leading to seasonal house fires. Avoid this by using proper insulation such as TARTAN 1710 General Use Vinyl Electrical Tape which is flame retardant, a property that stops the spread of fire once source of flame is removed.



Tartan™ 1710 General Use Vinyl Electrical Tape

Provides more than just insulation to your household wirings, it provides safety and assurance that on the incidence of electrical overheating (the more proper term for the wrongly used term of "faulty electrical wiring"), this flame retardant PVC provides you with the security to stop the source of heat aka fire to further spread.

