



Missouri Board for Architects, Professional Engineers, Professional Land Surveyors and Landscape Architects

Dimensions

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CHAIRMAN'S LETTER

By: James S. Anderson, PLS

A revision to Board Rule 4 CSR 30-10.010 describes what corporations must do to obtain and maintain certificates of authority. The rule will affect corporations and limited liability companies applying for a certificate of authority after October 30, 2005. It will also affect any firm changing any of the persons listed in their certificate. Corporations or limited liability companies not falling into one of those categories are not required to take any action.



All firms affected by the rule will now be required to name a managing agent. The managing agent must be a professional licensed by the state of Missouri and must be an owner, officer, partner, or full time employee of the corporation or limited liability company. A managing agent must be named for each profession for which the corporation or limited liability company receives a certificate of authority. In addition, if the managing agent is also the person providing immediate personal supervision for the corporation or limited liability company the managing agent must work in the same office where the work is being performed.

The rule specifically describes the responsibilities of the managing agent, which are as follows:

A. Renewal of the certificate of authority and notification to the Board of any changes in the firm.

B. Overall supervision of the professional and licensing activities of the firm and its employees.

C. Assurance that the firm institutes and adheres to policies that are in accordance with Chapter 327, RSMo and 4 CSR 30.

D. Assurance, in the case of multiple offices, that the requirements for immediate personal supervision, as defined by Board Rule(s) 4 CSR 30-13.010 and/or 4 CSR 30-13.020, are being met.

In preparing the language for this rule, the Board reviewed the model laws of the National Council of Examiners for Engineers and Surveyors, the National Council of Architectural Registration Boards, and the Council of Landscape Architectural Registration Board. In addition, the Board reviewed the laws and regulations of several other states. The model laws of the three councils and the majority of the laws of states we reviewed required a licensee to be either an owner or a full time employee before a certificate of authority would be issued. Such a requirement was not part of Missouri's regulations. The Board believed a change in the regulations would better protect the public and for that reason, Board Rule 4 CSR 30-10.010 was revised. If you are interested in seeing the entire rule, a copy is contained within this newsletter.

After writing my article for the Fall, 2005 newsletter, I learned that Jo Emerick had been replaced as a member of the Board. Although belated, I would like to thank Jo for her service. Jo served two terms and was active with the Board and with NCEES. She was a dedicated and hard working Board Member and the citizens of Missouri were well served by her efforts.



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ARCHITECTURAL DIVISION LETTER

By: Charles C. Hill,
Division Member



In this article I will discuss two issues that are of interest to the professional.

The first concerns the relationship of the Intern Development Program (IDP)

and the Architectural Registration Exam (ARE). The second relates to the role of the architect during construction.

IDP/ARE

Over the past several months our Board, as well as many registration boards, have been inundated with letters petitioning the boards to allow interns to take the ARE or portions of the ARE during their internship. This was a major topic of discussion at the National Council of Architectural Registration Boards (NCARB) chairs conference this past summer. A resolution passed at this conference requested that member boards take no official action until NCARB reviews this matter and presents a position for consideration at the national meeting next summer.

At present, Section 327.131.1 of the registration law states, "any person may apply ... for examination...who...has acquired at least three years of satisfactory architectural experience". Therefore, in order for the Board to allow interns to take the ARE concurrent with IDP, the law must be changed. The Board takes seriously the concerns of its interns and will be discussing this in future Board meetings. California, Texas, and Kentucky already permit interns to take the exam concurrently.

Historically professional registration has been based on what has been called the three legged stool or the three E's; education, experience, and examination taken in that order. NCARB developed the present exam as a "practice based exam" to be taken after required experience is complete. With IDP, experience

is completed in sixteen different categories at different times during the internship. These categories are not, however, designed to parallel the nine parts of the ARE. The broad basis of IDP and the ARE is to assure that the new practitioner has the minimum fundamental skills so their practice can protect the health, safety, and welfare of the people of Missouri. At present, completion of IDP is viewed as a holistic body of experience when completed that prepares the candidate to begin the examination process.

Under the former system, the candidate (after three years experience) took all parts of the ARE over four consecutive days for a total of 38 hours of exam time. Under the present system the candidate takes nine separate exams, scheduled at will, for a total exam time of approximately 30 hours. Although the candidate can schedule at will, the record for completing all nine is two weeks. Many candidates extend the process for two or more years. This Board and NCARB will continue to evaluate the issue in the interest of what best serves the health, safety, and welfare of the public.

CONSTRUCTION ADMINISTRATION

The Legislative Guidelines and Model Law as published by NCARB states that "the Council believes that in order to effectively protect the public health, safety, and welfare, statutes must include language requiring the retention of licensed architects to provide responsible professional involvement throughout the construction process on all non-exempt structures." The guidelines further suggest that, at a minimum, these services include "periodic site visits, shop drawing review, and reporting to the owner and the building official any violations of codes or substantial deviations from the contract documents which the architect observes". These recommendations are a result of a round table discussion, which to name a few, included representatives of:

- AIA Division of Codes & Standards
- National Society of Professional Engineers
- Victor O. Schinner
- International Conference of Building Officials

The Missouri statute does not specifically state that the architect must be involved during construction. As a practical matter, however, it is not reasonably possible for a contractor or owner to construct a building without making decisions that constitute the practice of architecture. The only person legally qualified to make a change in an architectural design is the architect of record or a successor architect. The model law goes on to require that if an architect is not retained for construction administration, the architect is to notify the local code authority and the Board.

In our state we have no state building code, the majority of counties have no building codes, and most towns and cities do not have adequate code enforcement staff. Without the architect providing minimal contract administration, the owner and contractor may make design changes at will unless a complaint is filed with the Board. The complaint process is not effective to assure that buildings are constructed per the plans and specifications prepared by the architect and consulting engineers.

Architects must educate their clients that the plans are an "instrument of service" that the architect uses to get their project built, and that they and their contractor violate the law if they make changes during construction without the architect's approval.

PROFESSIONAL ENGINEERING DIVISION LETTER

By: Cheri Leigh
Division Chair



Is the Design of Fire Suppression Systems Engineering? This is no longer a debatable issue. As of November 30, 2005, the official answer is "yes." That is the

day that 4 CSR 30-21.010 became a rule. The full text is found in this newsletter. The Board has received so

many questions and complaints about this issue, that we determined it was time to clarify the statutes with the promulgation of this rule. This also follows a national trend to clarify that the design of fire suppression systems is indeed engineering and subject to the same regulation as other engineered systems.

These important life safety systems are often furnished Design Build, after the preparation of the Contract Documents. This rule provides two ways for systems to be designed by Professional Engineers in accordance with state statutes. The first way recognizes the training and experience of NICET technicians, but requires the design criteria and final approval of the Professional Engineer. The second way requires that the Professional Engineer supervise and seal the preparation of the shop drawings. Both ensure that final responsibility lies with the Professional Engineer.

This rule outlines the minimum requirements from the state of Missouri. Nothing shall prevent a local code authority from requiring more restrictive provisions with regard to the signing and sealing of documents.

PROFESSIONAL LAND SURVEYING DIVISION LETTER

By: Thomas J. Mathis,
Division Chair



Have you ever been sitting in a surveyor's seminar or professional meeting and heard a fellow surveyor ask a really dumb question? Perhaps your reaction was to mutter to yourself "how in the world did that person get a license?" Similarly in the course of research you ran across a competitor's plat, shook your head and wondered the same thing. Being licensed as a Land Surveyor doesn't necessarily mean an individual knows all there is to know about surveying or is truly competent to practice in all specializations of the profession. As a matter of fact, earning a license only

guarantees that one has reached entry-level competence — you've reached a point in your career development that it's considered safe to turn you loose on the general public. The ideal is to get better with experience and age. As a case in point, I well remember (about a quarter century ago) being quite proud of the fact that I had reached the status of Registered Land Surveyor, but one day was embarrassed to realize that I had no idea how to legally establish the center quarter corner of a section. Oops, I guess I missed that on the exam.

The exam is given only to those who have accumulated the education and experience necessary to meet the requirements. (Remember the three E's: education, experience, and examination? It takes three secure legs for a tripod to be stable.) So if an applicant meets the requirements for education and experience, he or she is allowed to sit for the exams, and hopefully those exams will be the final sieve to separate the wheat from the chaff. The NCEES Fundamentals and Principles and Practice exams deal largely with broad technical aspects of our profession, and are, of course, uniform throughout the nation. The State Specific exam tends to be the final obstacle to obtaining that coveted license and, as its name implies, tests the candidate's knowledge of the rules, regulations, statutes and history of surveying within the individual state.

The Land Surveying Division of your Missouri Board takes the State Specific very seriously. This exam not only tests for a knowledge of the laws governing our profession, but is also the portion of the examination process that is most readily influenced by the Board and other Missouri Professional Surveyors. The Board hires as an exam consultant Dr. Richard Elgin, who has a vast background in both practical surveying and academia. He in turn relies on an "exam committee," composed of Professional Surveyors from all over the state, which writes the questions, determines appropriate pass/fail scores, and recommends the subject matter and percentage of the exam for each subject area.

Recently the Missouri Board sent a questionnaire to each Missouri Professional Land Surveyor seeking opinions as to

appropriate subject matter to be included in the State Specific Exam. Of 924 questionnaires sent, 301 (or 33%) were completed and returned. Respondents were asked to list their geographic location, area of practice and years in practice, and their opinion as to how important the seven current subject areas are: 1) GLO surveys, 2) RSMo Chapter 60, 3) Minimum Standards, 4) rules of practice, 5) calculations relating to the Public Land Surveys, 6) riparian boundaries, and 7) the Missouri State Plane Coordinate System.

Most of the respondents were in private practice, from all geographic areas of the state (generally in proportion to the density of PLS's within those regions) with the exception of the Columbia/Jefferson City area, which was under-represented. The greatest number of responses (36%) were from those practicing 21 years or more, which either indicates that we older surveyors have more time to fill out questionnaires or that the mean age of those in the profession continues to increase. The results of the survey were very encouraging. The relative importance of the various subject matters, when tabulated as a percentage of the entire exam, were virtually identical to the recommendations of the Exam Committee, and consequently, the content of previous exams. Of interest also was the response to a query for suggestions for additional subject matter. The subject area most suggested was "ethics," indicating a concern within the profession that not all licensees practice ethically.

In summary, it appears that the Missouri State Specific Land Surveyor's Exam covers what Missouri Professional Surveyors think it should cover, and those passing (usually less than half) should be well prepared to make those tough decisions inherent to the profession. In other words, if a fellow surveyor has managed to meet the educational and experience requirements, and sat for and passed all three exams (with a period of internship thrown in for good measure) and still makes you wonder how they can hold a license, remember, it's a learning experience - and maybe those of us with tread wear and gray hairs should remember back when we were apt to ask some pretty dumb questions, too.

LANDSCAPE ARCHITECTURAL DIVISION LETTER

By: Robert N. Hartnett,
Division Chair



MALA - does the name ring a bell? MALA is the Missouri Association of Landscape Architects, which is different than the American Society

of Landscape Architects (ASLA). The missions of MALA and ASLA are different as well. As you may know, Missouri has two chapters of ASLA, the Prairie Gateway Chapter (which includes western Missouri and all of Kansas) and the St. Louis Chapter. Since there was not one organization charged with sole oversight responsibility in Missouri, MALA was born. As I understand it, MALA was created in the 1960's to promote licensure in Missouri. MALA operates as the legislative and lobbying outreach of ASLA. Operational funding for MALA comes from subsidies from both ASLA Chapters and occasional fund raising events. During my professional career, MALA has gone through numerous cycles from being very active to almost being non-existent. MALA was active in the mid 1980's to secure the initial licensure, and again in the late 1990's to strengthen the Landscape Architectural registration law. Many of the same people that were active in one of the ASLA chapters were also very active in MALA and their licensure effort. The good news is that MALA is active again and looks to stay active in the future. At the MALA Annual Meeting this November, new bylaws were formally adopted and an election of officers was set for January 2006.

MALA is formally recognized in the Missouri Revised Statutes Chapter 327. When a vacancy occurs in the Landscape Architectural Division of the Board, and in accordance with 327.031, MALA submits five nominees to the Director of the Division of Professional Registration with a recommendation that the Governor appoint a sufficient

number to fill the vacancies on the licensing board. Some of the other MALA purposes as outlined in newly adopted bylaws include:

- To represent the interests of Landscape Architects who live and/or practice in the State of Missouri in the creation and administration of State Laws relating to their practice.
- To safeguard the health, safety, and welfare of Missouri residents and landowners through the enactment of laws governing the practice of Landscape Architecture.
- To influence public policy and affect public opinion relating to Landscape Architecture in its broadest sense.
- To improve intra-professional liaison with other professions, especially the architectural, engineering, surveying and the construction industry.
- To enhance Landscape Architectural education, Landscape Architectural preservation, and the quality of the environment.
- While MALA shall have the power to influence legislation dealing with the advancement of Landscape Architecture, it shall not make any endorsements or recommendations, directly or indirectly, of any political party or candidate for public office or of any commercial product, object or material. MALA will be working with our allied professions including Missouri Chapter of American Institute of Architects, Missouri Society of Professional Engineers, and Missouri Society of Professional Surveyors. If you have any licensure issues that are not currently being addressed in Chapter 327, please feel free to make contact with any member of the LA Division or an officer of MALA.

On a different subject, Jerany Jackson and I once again had the privilege to represent Missouri at the Council of Landscape Architectural Registration Board (CLARB) Annual Meeting held in early September in Los Angeles. I won't bore you by going into a detailed CLARB financial summary, but just reiterate that the C2ED revenues continue to increase. C2ED is a computer based continuing education program that allows landscape architectural, engineering, or architectural licensees to participate in quality continuing educa-

tion without leaving home. The C2ED finances are now helping to hold down member board (States) dues and exam fees. Jerany continues to serve in a leadership role as CLARB Region II Alternate Director, and I serve as the Region II representative on the Nomination Committee.

At the November Board meeting, the LA Division took a few minutes to make a Power Point presentation to the full Board, hopefully providing a broad overview of the practice of landscape architecture. Jerany covered the typical college education, I covered the Landscape Architectural Registration Exam (LARE), and Patti Banks covered professional practice. I think it was a great opportunity for our allied professions to gain a better understanding of the education, exam, and experience of a landscape architect. The presentation resulted in a good dialog with more than one "I did not know that".

Speaking of Patti, her service to the Board may be completed with her term expiring in April 2006. She began with the Missouri Landscape Architectural Council from 1997 to 2002, and then continued on with this Board. The work that she put in involved many meetings, miles, and conference calls, not to mention time away from the office and family. She will continue serving until a replacement is found. Next time you see Patti, be sure to thank her for her dedicated service to the profession and the State of Missouri.

As always, if I can ever help you in any way, please feel free to contact me.



Disclaimer: The articles in this newsletter are the work and opinion of the individual authors and do not necessarily reflect the official opinion or position of the Board.

National Award



The Board is pleased to announce that former Board Member, Donald L. Hiatte P.E., was awarded the "Distinguished Service" award by the National Council of Examiners for Engineering and Surveying (NCEES) for his outstanding and dedicated service to NCEES. Mr. Hiatte was nominated by the Missouri Board and was honored with this prestigious award at the NCEES Annual Awards and Recognition Luncheon on August 26, 2005 at The Peabody Hotel in Memphis, Tennessee.

MESSAGE FROM THE DIVISION DIRECTOR



The new year has kicked off in full gear! The 93rd General Assembly convened for their 2nd Regular Session on January 4, 2006, and hit the ground running. The budget process is in full swing and staff here at the division are spending a lot of time over in the Capitol these days.

The most notable item thus far this session is the Executive Order issued by Governor Blunt on February 1st which calls for the transfer of the Divisions of Finance, Credit Unions, Professional Registration and the State Banking Board from the Department of Economic Development to the Department of Insurance thereby creating a new department: the Department of Insurance, Financial Institutions and Professional Registration. This comes as a result of the work done during 2005 by the State Government Review Commission. One of the Commission's recommendations was the creation of a new department that focused on regulation. The General Assembly has sixty days from the date the Executive Order was issued to disapprove it should they so choose. If they do not, the new department will become a reality on August 28, 2006.

Ultimately, this could prove to be a very good transition for the division. Professional Registration would maintain its status as a Type III agency and the various boards, commissions, and committees housed here would retain their respective levels of autonomy. The Department of Economic Development is such a large department that it is relatively cumbersome to function within it for those of us who are housed there. By transferring three regulatory divisions - Finance, Credit Unions, and Professional Registration - from Economic Development, it will enable Economic Development to focus more solely on the state's economy and job creation as well as allow those of us whose focus is on regulation to function more efficiently in a smaller department geared toward regulation.

It is my belief that the General Assembly will ultimately be supportive of this idea, in which case, there will be a lot of work to be done in order to make the transition go as smoothly as possible. In the meantime, we remain fully functional from our home in Economic Development and are looking forward to a rewarding session!

Sincerely,

A handwritten signature in cursive script that reads "Alison Craighead".

Alison Craighead

NEW LICENSEES

The following individuals and corporations were licensed between August 1, 2005 and December 31, 2005.

ARCHITECT LICENSEES

Acciarri, Robert J.	Gruskin, Kenneth A.	Miller, Jack Craig	Somers, Scott
Anderson, Glenn W.	Halstead, Michael W.	Muzquiz, Daniel T.	Stark, D. Scott
Ault, Todd J.	Heathcote, Gary Kenneth	Neuner, Eric Robert	Stevens, Terri Lewis
Bacon, Richard Scott	Holleb, Matthew A.	Ostrosky, Frederick Douglas	Stewart, Mary Elizabeth
Beaudin, James A.	Huysman, Paul L.	Qiu, Jeanne	Stroik, Duncan G.
Cahen, Craig I.	Jurewicz, John	Rebora, Stephen J.	Tankersley, Jon Gregory
Clark, Rebecca L.	Kerr, Robert Duncan	Robertson, Keith D.	Thorne, John P.
Easton, Clarissa	Klump, Jeffry C.	Rush, Kevin L.	VanderKlok, David C.
Ganshirt, William C.	Lapera, Gary	Schladweiler, Rick Dana	Viehland, Kirby
Gay, Sandra D.	Lewis, George M.	Shawhan, Jeffery James	Weintraub, Lee Stuart
Gellos, David Philip	Lies, Kenneth M.	Silas, Matthew Christopher	
Gould, H. Joshua	Millen, Kevin S.	Smith, Kato D.	

ARCHITECTURAL CORPORATIONS

Absolute Design-Build LLC	Duncan G. Stroik, Architect L.L.C.	Sherman Engineering Services, LLC
Architectural Group International, P.C.	Epoch Design Group, Inc.	Shive-Hattery, Inc.
Capital Consultants, Inc.	Health Facilities Group, LLC	The Clark Enersen Partners, P.C.
Central Design Group, LLC	KOC LLC	The Hillier Group Architecture, New Jersey, Inc.
Culpepper, McAuliffe and Meaders, Inc.	KSQ Architects, PC	
Daniel G. White Architect, LLC	Luckett & Farley, Architects, Engrs. & Const. Managers Inc.	
Design Group Architects, Ltd.		

PROFESSIONAL ENGINEER LICENSEES

Abel, Alysen M.	Dunn, Ronald H.	Jacobs, Seneca	Meyers, Jason Dale
Alexander, Paul Robert	Fain, James A.	Jepsen, Randell R.	Mokanyk, Matthew T.
Allen, Hollis R., Jr.	Fiscus, Douglas E.	Jones, Jason K.	Mullis, J. Bart, III
Ambuehl, Barry Eugene	Flake, Caleb J.	Jones, Kimberly Ebert	Norton, Patrick J.
Art, James H.	Flynn, R. Brian	Kam, Stephen T.	Ochrym, Alexander G.
Augustine, Robert Wayne	Fredericksen, Todd A.	Kell, Bobby M., Jr.	O'Connor, Kevin M.
Beavers, Woodrow Blake	Gabryszewski, Thaddeus P.	Kirwin, Sarah M.	Pastore, Dominick John
Beitel, Charles Ralph	Gardner, Leonard Mark	Koenig, Karl A.	Putnam, Carl
Boggs, Richard C.	Gish, Bobby G.	Kussro, William B.	Qassem, Nizam A.
Bohrman, Byron Arthur	Goodman, Charles Louis	Lang, Douglas Arthur	Raaf, Michael D.
Bolinger, Matthew S.	Goodrich, Andrea S.	Lassiter, Michael Lloyd	Randall, Ken
Braun, Martin M.	Gorman, Timothy Calvin	Lee, Ta-Wen	Rastorfer, Todd Steven
Broad, Tad Clayton	Grant, Patrick C.	Leinweber, L. Donald	Read, Andrew A.
Burkhart, Brian G.	Gundersen, Ray Sheldon	Lemons, Timothy Boyd	Rezabek, Colleen A.
Burle, David E.	Hansen, Vali Jo	Liello, Joseph C.	Rhodes, Johnny L., Jr.
Calhoun, Timothy D.	Harding, Thomas Wayne	Lindell, Scott Lloyd	Roberts, Lance A.
Charchol, Jack Richard	Hassen, Marcus L.	Ling, Michael B.	Roche, Roderick Maurice
Colburn, Roger L.	Heemer, James A.	Little, Richard William	Sadler, George O.
Coon, Tyler Dennis	Henderson, Matthew D.	Lohrmann, Kurt V.	Schentur, Robert S.
Coughlin, Tracy Allen	Hillman, Christopher P.	Marckx, M. M.	Schouten, Glenn R.
Dault, Gary P., Jr.	Hoffman, Jeffrey G.	Martinez, Ruben	Shusto-Borghii, Lisa Michelle
DeLong, Wesley D.	Hudgens, Edward Boone	McCrary, Timothy S.	Spencer, Billy T.
DePouw, Monte L.	Humme, Douglas Howard	McGill, Bruce A.	Stoessel, John Charles
Divine, Thomas M., III	Hurst, William Loren	Meister, Anthony Charles	Straka, James J.
Dozier, James L., III	Ingalls, Theodore Stanley, III	Mesker, Gary W.	Szak, Peter J.

Board for Architects, Professional Engineers, Professional Land Surveyors & Landscape Architects

Teal, Russell Kenneth	Tryon, Gregory C.	Wagler, David B., Jr.	Wright, Jeffrey Lyle
Terrell, Ricky N.	Urlaub, Jeff A.	Wallace, Scott D.	
Trankel, Doyle John	Utterback, Dale Alan	Wendt, Timothy Thomas	

PROFESSIONAL ENGINEERING CORPORATIONS

Advanced Aviation Consulting and Engineering Services, LLC	HT/DCR Engineering, Inc.	Proteus Engineering, L.L.C.
Baird, Hampton & Brown, Inc.	Ingenium, P.C.	Rose & McCrary, P.C.
Barge, Waggoner, Sumner and Cannon, Inc.	Interplan LLC	RVW, Inc.
Becht Engineering Co. Inc.	Lorac Design Group LLC	SmithGroup Michigan, Inc.
Brockman Engineering Inc.	Lovelace and Associates, L.L.C.	Stahlman Group, Inc.
Building Forensics, Ltd.	Luckett & Farley, Architects, Engrs. & Const. Managers, Inc.	Starrett Engineering, LLC
Colvin Jones Davis LLC	LWG Consulting, Inc.	Structural Systems II Inc.
Evans Engineers, LLC	Middough Consulting Inc.	Taylor Design Group, P.C.
GHT Chartered, P.C.	Paradigm Engineering, Limited Partnership	Technical Design Services, Inc.
Gonzalez Companies, L.L.C.	Powers Engineering, Inc.	The Clark Enersen Partners, P.C.
Hanson-Wilson, Inc.	Property Services Team, L.L.C.	Versar, Inc.
		Weaver Boos Consultants, LLC

PROFESSIONAL LAND SURVEYOR LICENSEES *

Aley, Aaron Michael	Flamm, Jason Brock	Markiewicz, Andrew R.	Thompson, Brent E.
Bergauer, Christopher Wayne	Harris, Kelly Wayne	Newman, Bobby J.	Wallick, Wesley C.
Campbell, Darrel Eugene	Headrick, Travis G.	Roberson, Danny Lee	White, Leland R.
Carpenter, Darin D.	Hunt, Justin P.	Rosson, Randall S.	York, Zachariah Aaron
Collins, Mark E.	Jones, Jeffrey R.	Schroyer, Mark Edward	
Elliott, Gary W.	Lambert, Christopher Wayne	South, H. Andrew	

* These individuals were licensed between August 1, 2005 and January 3, 2006.

PROFESSIONAL LAND SURVEYING CORPORATIONS

Indian Creek Surveying LLC	Rose & McCrary, P.C.
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LANDSCAPE ARCHITECT LICENSEES

Grissim, Susan Lynn	McIntyre, Michael R.	Schuessler, James E., Jr.
Lloyd, Brent Hill	Riggins, Frank R.	

LANDSCAPE ARCHITECTURAL CORPORATIONS

Jacobs Facilities Inc.	Robert S. Shotts, Inc.	The Clark Enersen Partners, P.C.
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2005 YEAR END REPORT

NUMBER OF EXAMINATIONS ADMINISTERED:

ARCHITECTS

A.R.E. - January 1, 2005 - December 31, 2005

• Pre-Design	- 36 Candidates - 31 Passed - 5 Failed
• Site Planning	- 46 Candidates - 28 Passed - 18 Failed
• Building Planning	- 58 Candidates - 37 Passed - 21 Failed
• Building Technology	- 57 Candidates - 31 Passed - 26 Failed
• General Structures	- 47 Candidates - 34 Passed - 13 Failed
• Lateral Forces	- 38 Candidates - 28 Passed - 10 Failed
• Mechanical & Electrical Systems	- 52 Candidates - 34 Passed - 18 Failed
• Materials & Methods	- 37 Candidates - 35 Passed - 2 Failed
• Construction Document Service	- 45 Candidates - 42 Passed - 3 Failed

ENGINEERS

• Professional Engineering Examinations (April, 2005 and October, 2005)	- 356 Candidates - 208 Passed - 147 Failed - 1 Invalid Test
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• Engineering Intern Examinations (April, 2005 and October, 2005)	- 857 Candidates - 570 Passed - 287 Failed - 2 Irregularities
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LAND SURVEYORS

• Principles and Practice of Land Surveying Examinations (April, 2005 and October, 2005)	- 54 Candidates - 34 Passed - 20 Failed
• Missouri Specific of Land Surveying (April, 2005 and October, 2005)	- 97 Candidates - 48 Passed - 49 Failed
• Fundamentals of Land Surveying Examinations (April, 2005 and October, 2005)	- 100 Candidates - 55 Passed - 45 Failed

NUMBER OF REGISTRATIONS GRANTED BY COMITY:

Architectural	- 116
Engineering	- 380
Land Surveying	- 5
Landscape Architects	- 20

NUMBER OF CORPORATE CERTIFICATES OF AUTHORITY ISSUED:

Architectural	- 61
Engineering	- 113
Land Surveying	- 20
Landscape Architectural	- 10

TOTAL OF MISSOURI LICENSEES:

Architects	4,480
Professional Engineers	12,688
Professional Land Surveyors	911
Landscape Architects	<u>256</u>
Total Individual Licensees	18,335
Architectural Corporations	544
Professional Engineering Corporations	1,066
Professional Land Surveying Corporations	233
Landscape Architectural Corporations	<u>51</u>
Total Corporate Licenses	1,894

STATISTICS FOR 2005

COMPLAINTS: (Pending at Beginning of 2005 - 114)

Breakdown of New Complaints Filed in 2005

Unlicensed persons practicing architecture	9
Unlicensed persons practicing architecture and engineering	6
Unlicensed persons practicing engineering	3
Unlicensed persons practicing land surveying	3
Unlicensed persons practicing landscape architecture	0
Architects practicing engineering	0
Engineers practicing architecture	0
Engineers practicing land surveying	0
Land Surveyors practicing engineering	0
Landscape Architects practicing architecture	0
Landscape Architects practicing engineering	0
Architects charged with unprofessional conduct	0
Engineers charged with unprofessional conduct	2
Land Surveyors charge with unprofessional conduct	3
Landscape Architects charged with unprofessional conduct	0
Architects disciplined in another state	0
Engineers disciplined in another state	2
Land Surveyors disciplined in another state	0
Landscape Architects disciplined in another state	0
Federal Exemption Clause	0
Offering architectural services without a Corporate Certificate of Authority	21
Offering engineering services without a Corporate Certificate of Authority	9
Offering land surveying services without a Corporate Certificate of Authority	1
Offering landscape architecture without a Corporate Certificate of Authority	25
Architects/Engineers/Land Surveyors/Landscape Architects charged with fraud, incompetency or negligence	17
Land Surveyors charged with incompetent surveys, inaccurate surveys, or surveys that do not meet Minimum Standards	3
Failure to Provide Immediate Personal Supervision	7
Other violation	14

Total Number of New Complaints filed in 2005 - 125

Breakdown of Complaint Files Closed in 2005

Formal censure based on cause of discipline	0
Placed on probation	3
Suspensions	2
Suspension followed by probation	0
Injunction obtained	1
Insufficient evidence of violation, no action taken	26
License revoked	3
Not within the jurisdiction of the Board	9
Satisfactory completion of probation	7
Voluntary surrender of license	1

Complaint was withdrawn by complainant	0
Corporate Certificate of Authority was obtained	24
Individual agreed to NOT renew license in lieu discipline (Inactive Status)	1
Application for relicensure was denied	0
Acceptance of settlement offer	0
Per decision of the court	0
Voluntary reporting completed	0
Written assurances to either cease and desist or to comply w/Chapter 327 received	50
Letter from Board advising of violation but no action taken	3
Letter of Reprimand	1
Federal Exemption Clause	1
Other Action	13

Total Number of Complaint Files Closed in 2005: 145

UNLICENSED PRACTICE

As you can see in 2005, the Board has had 21 complaints filed against individuals and 56 complaints filed against corporations which were charged with practicing architecture, professional engineering, land surveying and/or landscape architecture without being properly licensed. If an individual or corporation refuses to voluntarily cease and desist all illegal activities and to conduct all future activities in compliance with Chapter 327, then the Board can request the Attorney General's office to file suit in the appropriate circuit court seeking an injunction to restrain that individual or corporation from practicing architecture, professional engineering, land surveying and/or landscape architecture without a license. In 2005, the Board has authorized the Office of the Attorney General to file one case in Circuit Court to obtain an injunction to restrain illegal practice of architecture, professional engineering, land surveying and/or landscape architecture.



DISCIPLINARY ACTIONS

DISCLAIMER: Every effort has been made to ensure that the following enforcement information is correct. However, this information should not be relied upon without verification from the Board office. It should be noted that the names of companies and individuals listed may be similar to the names of the parties who have not had enforcement actions taken against them. Discipline orders are public data and copies may be obtained by contacting the Board office. Pursuant to Chapter 327, RSMo, a licensee is entitled to engage in the practice of architecture, engineering, land surveying or landscape architecture during his/her probationary period providing that the licensee adheres to all of the terms and conditions of the Order. However, a licensee whose license has been suspended, is not entitled to engage in the practice of architecture, engineering, land surveying or landscape architecture during his/her suspension period.

LICENSEES CURRENTLY UNDER PROBATION

ANDERSON, CHARLES ERIC, E-23080 - commenced on October 29, 2004 and ending on October 28, 2006.

DAUGHERTY, R. TIMOTHY, LS, 2096 - commenced on September 30, 2004 and ending on September 29, 2007.

EDELMAN, THOMAS, E-19905 - commenced on November 27, 2002 and ending on November 26, 2007.

JACKSON, JAMES, E-14597 - commenced on May 26, 2004 and ending on May 25, 2006.

JOHNSON, WILLIAM H. S., A-1597 - commenced on March 19, 2001 and ending on March 18, 2006.

KBR ENGINEERING, INC., E-821-F - commenced on March 4, 2005 and ending on March 3, 2008.

KLINKENBORG, DEREK JAMES, LS-2484 - commenced on March 25, 2004 and ending on March 24, 2007.

NIEDNER, WALTER W., E-17256 - commenced on September 14, 2004 and ending on September 13, 2006.

RUSSELL, DALLAS, LS-2660 - commenced on April 4, 2005 and ending on April 3, 2008.

STACK, IRVIN ROBERT (CORKY), E-19612 D/B/A STACK & ASSOCIATES, INC. ARC-632-D, EGC-1119-D, LSC-258-D - commenced on May 5, 2005 and ending May 4, 2010.

WHKS & CO., E-1061-F - commenced on March 21, 2001 and ending on March 20, 2006.

WALTERMAN, DALE, LS-1851 - commenced on July 8, 2004 and ending on July 7, 2006.

NEWLY IMPOSED DISCIPLINARY ACTIONS

REVOCATION

WILBUR F. STUHLMAN, E-7507
St. Louis, Missouri

Summary: Wilbur F. Stuhlman was assisting and enabling an unlicensed person in the practice of engineering.

Cause for Discipline: Mr. Stuhlman violated Chapter 327.441.2(5), (6) and (13), RSMo 2000, by signing and sealing plans not prepared by Mr. Stuhlman or under his immediate personal supervision and by assisting or enabling another in the unlicensed practice of engineering.

Board Action: The Administrative Hearing Commission issued a Consent Order on July 22, 2005, concluding that Mr. Stuhlman is subject to discipline. By agreement of the parties, Mr. Stuhlman's professional engineering license was revoked.

INJUNCTION

ROBERT A. VOLZ, NOT LICENSED
St. Louis, Missouri

Summary: Complaints were filed against Mr. Volz alleging the unlicensed practice of engineering and surveying.

Cause for Discipline: Mr. Volz's conduct amounted to the unlicensed practice of engineering pursuant to Section 327.181 and 327.191, RSMo 2000, by knowingly drawing, sealing and submitting plans and drawings for a ditch shoring to the local authorities, without the services of a licensed engineer. Mr. Volz's conduct amounted to the unlicensed practice of land surveying pursuant to Section 327.272 and 327.281, RSMo 2000, by drawing, signing and sealing land surveying sewer plans to the local authorities, without the services of a licensed land surveyor.

Board Action: Board authorized the Attorney General's Office to file a petition for injunction in the Circuit Court of the City of St. Louis, Missouri. On August 1, 2005, Judge David L. Dowd issued an Order of Default, Default Judgment as to Permanent Injunction, and other Relief in that Robert A. Volz is permanently enjoined from violating Chapter 327, RSMo, or any rules adopted in accordance therewith by the unauthorized practice of professional engineering and/or professional land surveying in the State of Missouri.

PROBATED LICENSE

EZELL BLANCHARD, LA-211
St. Louis, Missouri

Summary and Cause for Discipline: On or about January 29, 1988, the Texas Board of Architectural Examiners revoked Mr. Blanchard's license as a landscape architect and that revocation remained in effect until June 20, 1989. Mr. Blanchard continued to perform landscape architectural services, including the sealing of construction documents he created with his landscape architectural seal. On December 20, 1989, the Texas Board of Architectural Examiners again revoked Mr. Blanchard's landscape architecture license for practicing landscape architecture while under revocation. On or about December 11, 1998, the Missouri Landscape Architectural Council, predecessor to this Board, issued Mr. Blanchard a probated landscape architecture license, subject to conditions and terms set forth by the Council. However, Mr. Blanchard failed to comply with the terms of the probated license. Thereafter on March 17, 2005, Mr. Blanchard filed an application for re-licensure with this Board.

Board Action: The Board authorized a probated license be issued to Mr. Blanchard for a period of twelve months commencing on November 22, 2005 and ending November 21, 2006.

PROBATION

DALLAS B. RUSSELL, LS-2660
d/b/a Russell Land Surveying
Greenville, Missouri

Summary: Dallas B. Russell took payment for a project and refused to refund the payment even though he had not performed any work on the project.

Cause for Discipline: Mr. Russell violated Section 327.441.2(4), (5), (6) and (13), RSMo 2000, by taking client's money and refusing to refund it even though he had completed no work on the client's project.

Board Action: The Administrative Hearing Commission issued a Consent Order on April 4, 2005, concluding that Mr. Russell is subject to discipline. By agreement of the parties, Mr. Russell's professional land surveying license was placed on probation for a period of three years commencing on April 4, 2005 and ending April 3, 2008.

MARLER SURVEYING COMPANY, INC., LS-347-D
St. Louis, Missouri

Board Action: Marler Surveying Company, Inc. was placed on probation for a period of one year commencing on February 2, 2006 and ending on February 1, 2007 as a result of its failure to promptly renew its certificate of authority for land surveying. Marler Surveying Company, Inc.'s certificate of authority has now been renewed.

Reminder Regarding Continuing Education for Architects

All architects in Missouri should be aware of the requirement for continuing education. The Board published a detailed article regarding this requirement as well as a copy of the actual rule (4 CSR 30-11.025) in its Winter 2004 newsletter. Since this requirement will affect all architects who are scheduled to renew their architectural license later this year, we felt it necessary to publish a reminder.

Please be advised that:

- Architects, with a current license valid through December 31, 2006, you will need to have 24 Continuing Education Units (CEUs) prior to renewing your license in late 2006. Of those 24 CEUs, at least sixteen (16) shall be related to health, safety and welfare acquired in structured educational activities. All 24 CEUs must be obtained during calendar years 2005 and/or 2006.
- For the architects whose licenses are valid through December 31, 2007, you will need to obtain 24 CEUs prior to renewing your license in late 2007. Of those 24 CEUs, at least sixteen (16) shall be related to health, safety and welfare acquired in structured educational activities. All 24 CEUs must be obtained during calendar years 2006 and/or 2007.

More information related to continuing education for architects is available on the Board's website (<http://pr.mo.gov/apelsla.asp>).

Important Information Regarding the Renewal of Your License

"Renewal Notices" were mailed early Fall to all architects, engineers, land surveyors, landscape architects, architectural corporations, engineering corporations, land surveying corporations and landscape architectural corporations that were originally licensed in an **ODD** year. Second notices were mailed, as a courtesy reminder, on December 1st to those who had not yet renewed. Your current address must be on file; so, if you were originally licensed in an odd year and you did not receive your original renewal notice or your second notice, please call the Board office at (573) 751-0047 as soon as possible.

The 2005 renewal period marked our first year of online renewals permitting renewal anytime, anywhere-----24/7! It also allows licensees to pay their renewal fee with a major credit card. With this being our first year to renew online, the Board did encounter a few problems with the system. The process of repairing the system took longer than originally anticipated due to the fact the original problem actually turned out to be multiple problems. The Division's MIS staff continued to work on the issues throughout all of October and part of November and was eventually successful in getting the system restored to full functionality. We apologize for any inconvenience you may have encountered with the process and want to thank you for your patience. We will continue to mail renewal reminders to all licensees and payment can still be sent via the mail. However, with all of the maintenance issues now resolved, the Board strongly encourages its licensees who are up for renewal in 2006 to utilize the online renewal system.

Please note that online renewals are not available for the following licensees*:

- Licensees wishing to change their license status from active to inactive.
- Licensees who currently hold an inactive license and wish to return to an active status.
- Licensees who currently hold an inactive license and wish to remain inactive.
- Licensees who will have reached the age of 75 or older.
- Renewal of a Corporate Certificate of Authority/Limited Liability Company.

*These licensees must complete and return the paper renewal form.



REMINDER.....You can download the Board's rules and regulations, application forms, change of name and complaint forms, fee information, examination information, continuing education information for architects, engineers and land surveyors, current list of educational activities preapproved for Land Surveying PDU credits, etc. from the Board's website at <http://pr.mo.gov/apelsla.asp>. To download this information:

Go to <http://pr.mo.gov/apelsla.asp>
Click the appropriate button
Click the information required
You will then be able to download each item (either PDF or Word)

By going to the Board's website, you can also view licensure information, previous issues of DIMENSIONS, staff names, links to important sites and other information related to the Board.

Please take a minute to review the website and see what information you could use. The website is updated regularly, so keep an eye out for more applications to be available soon.

RULE UPDATE

4 CSR 30-5.030 Standards for Admission to Examination - Architects

PURPOSE: This rule sets out standards for admission to architectural examinations.

PUBLISHER'S NOTE: The secretary of state has determined that the publication of the entire text of the material which is incorporated by reference as a portion of this rule would be unduly cumbersome or expensive. This material as incorporated by reference in this rule shall be maintained by the agency at its headquarters and shall be made available to the public for inspection and copying at no more than the actual cost of reproduction. This note applies only to the reference material.

The entire text of the rule is printed here.

(1) Every graduate from a curriculum fully accredited by the National Architectural Accreditation Board (NAAB), or other designated agencies as recognized by the National Council of Architectural Registration Boards (NCARB), who shall apply for architectural licensure shall submit with and as a part of the application documents as required in section 327.131, RSMo, a fully certified and completed Intern Development Program (IDP) record.

(2) Prior to January 1, 2012, every nongraduate applying for architectural licensure shall submit with and as part of the application documents as required in section 327.131, RSMo, a weekly record or log of diversified architectural experience covering a period of not fewer than two hundred eight (208) weeks immediately prior to application. Every weekly record or log shall be witnessed by the signature of a licensed architect having direct personal supervision of that experience. In addition to the experience log, there also shall be included in the application a chronological list of the education and architectural experience the applicant claims prior to the period of the log which will furnish a total of eight (8) years of architectural experience.

(3) The standard for satisfactory architectural experience shall be the criteria set forth in the National Council of Architectural Registration Board's Circular of Information No. 1, Appendix A dated 1990-1991, which is incorporated herein by reference. A copy of the information may be obtained by contacting the National Council of Architectural Registration Boards, 1801 K Street NW, Suite 1100, Washington DC 20006-1301. The referenced material does not include any later amendments or additions.

(4) The standard for satisfactory architectural education shall be the criteria set forth in the National Council of Architectural Registration Board's Circular of Information No. 1, Appendix A dated 1978, which is incorporated herein by reference. A copy of

the information may be obtained by contacting the National Council of Architectural Registration Boards, 1801 K Street NW, Suite 1100, Washington DC 20006-1301. The referenced material does not include any later amendments or additions.

AUTHORITY: sections 327.041 and 327.131, RSMo Supp. 2004 and 327.141 and 327.221, RSMo 2000.* Original rule filed March 16, 1970, effective April 16, 1970. Amended: Filed Dec. 8, 1981, effective March 11, 1982. Amended: Filed Sept. 13, 1983, effective Dec. 11, 1983. Amended: Filed Sept. 12, 1985, effective Dec. 12, 1985. Amended: Filed Feb. 4, 1992, effective June 25, 1992. Rescinded and readopted: Filed May 13, 2005, effective Nov. 30, 2005.

*Original authority: 327.041, RSMo 1969, amended 1981, 1986, 1989, 1993, 1995, 1999, 2001; 327.131, RSMo 1969, amended 1981, 1999, 2001; 327.141, RSMo 1969, amended 1981, 1999; and 327.221, RSMo 1969, amended 1981, 1983, 1999.

4 CSR 30-5.080 Standards for Admission to Examination - Engineers

PURPOSE: This rule sets out standards for admission to engineering examinations.

(1) Before being admitted to the examination, an applicant for licensure as a professional engineer shall have the knowledge, skills and experience as the board deems necessary to qualify the applicant for being placed in responsible charge of engineering work. The minimum length of experience required of the applicant, based on education, is three (3) years for any applicant holding a master's degree in engineering; however, an applicant will not be admitted to the examination sooner than four (4) years after the applicant has satisfied the educational requirements of sections 327.221 and 327.241, RSMo, provided, however, any applicant who shall have been conferred a master's degree in engineering concurrently while acquiring three (3) years of satisfactory engineering experience, as provided in this rule, shall be admitted to the examination. The Engineers' Council for Professional Development (ECPD) has been succeeded by the Accreditation Board for Engineering and Technology, Inc. (ABET). For purposes of evaluating engineering curricula at the baccalaureate level, the programs accredited by the Engineering Accreditation Commission (EAC) of ABET shall be the basis used for evaluation of programs not accredited by EAC of ABET.

(2) The board reserves the right to revoke this approval at any time and to prepare and administer the examination as it deems proper.

(3) Foreign-educated applicants holding an engineering degree

not accredited by ECPD, ABET, or its successor organizations will be required to submit a favorable evaluation report completed by the Engineering Credentials Evaluation International (ECEI) or by another evaluation service acceptable by the professional engineering division of the board certifying equivalency to an ABET accredited degree. Applicants holding a United States of America (U.S.A.) engineering degree not accredited by ECPD, ABET, or its successor organizations will be required to have their educational degree program evaluated in order to determine whether or not it is equal to or exceeds the programs accredited by ECPD, ABET, or their successor organizations. The evaluation must be completed by an engineer(s) experienced in evaluating academic credentials selected by the professional engineering division or by an evaluation service acceptable by the professional engineering division of the board. The evaluator, by evaluation of transcripts and an official publication describing the engineering degree program of the institution, personal interview, by examination, or both in any other manner deemed suitable, shall make an evaluation as to whether the academic program completed by the applicant meets the minimum educational requirements established by section 327.221, RSMo. The evaluator shall recommend to the professional engineering division and report how any deficiencies can be corrected, listing prescribed educational areas to bring the applicant's academic qualifications up to the required minimum. The report of the evaluator shall not be binding upon the division.

(4) A degree in engineering technology does not meet the educational requirements of section 327.221, RSMo.

(5) Any applicant deemed by the professional engineering division under section (3) of this rule to have completed an educational program which is equal to or exceeds those programs accredited by ECPD, ABET, or their successor organizations shall be required to have obtained the minimum engineering work experience as is required in section (1) of this rule. In all cases, the board will consider only that experience the applicant has obtained after satisfying the educational requirements of sections 327.221 and 327.241, RSMo.

(6) In evaluating the minimum engineering work experience required of all applicants, the professional engineering division shall grant maximum credit as follows:

(A) Engineering teaching at collegiate level (only advanced engineering subjects or courses related to advanced engineering at board approved schools), assistant professor and higher-year-for-year;

(B) Master's degree in engineering—one (1) year for completion;

(C) Military service (commissioned only—normally this service is in a technical branch such as engineering, ordnance, civil work services (CWS), civil engineering corps (CEC), etc.): Generally year-for-year subject to evaluation;

(D) Construction (technical decision-making level), above average complexity, nonstandard design, or both involving field modification — year-for-year;

(E) Project planning including layout and twenty-five percent (25%) or more design — year-for-year;

(F) Research and development at the planning and deci-

sion-making level — year-for-year; and

(G) Engineering management and administration — year-for-year.

(7) Individual evaluation may result in less than full credit.

(8) In accordance with the authority conferred upon the board at section 327.241.6, RSMo, the board provides that any person, upon satisfactory showing of an urgent need, such as absence from the United States, economic hardship or professional necessity, and who has graduated from and holds an engineering degree from an accredited school of engineering, and has acquired at least three and one-half (3 1/2) years of satisfactory experience, and previously has been classified an engineer-in-training or engineer intern by having successfully passed the first part of the examination, shall be eligible to take the second part of the examination and, upon passing, shall be entitled to receive a certificate of licensure to practice as a professional engineer subject, however, to other provisions of Chapter 327, RSMo, including having acquired four (4) years of satisfactory experience.

AUTHORITY: sections 327.041, RSMo Supp. 2004 and 327.221 and 327.241, RSMo 2000. Original rule filed March 16, 1970, effective April 16, 1970. Amended: Filed Sept. 13, 1977, effective March 11, 1978. Amended: Filed Dec. 8, 1981, effective March 11, 1982. Amended: Filed Sept. 13, 1983, effective Dec. 11, 1983. Amended: Filed Nov. 9, 1984, effective Feb. 11, 1985. Amended: Filed Sept. 12, 1985, effective Dec. 12, 1985. Amended: Filed Aug. 31, 1987, effective Nov. 23, 1987. Amended: Filed Feb. 15, 1989, effective May 11, 1989. Amended: Filed Oct. 3, 1995, effective April 30, 1996. Amended: Filed May 13, 2005, effective Nov. 30, 2005.*

**Original authority: 327.041, RSMo 1969, amended 1981, 1986, 1989, 1993, 1995, 1999, 2001; 327.221, RSMo 1969, amended 1981, 1983, 1999; and 327.241 RSMo 1969, amended 1977, 1981, 1983, 1999.*

4 CSR 30-8.020 Professional Land Surveyor - Professional Development Units

PURPOSE: This rule outlines the professional development standards for professional land surveyors applying for renewal of licensure under the provisions of section 327.041, RSMo.

(1) Each licensed professional land surveyor, as a condition for renewal of his/her license, shall complete a minimum of twenty (20) professional development units (PDU) each two (2)-year period immediately preceding renewal, except as provided in section (2) of this rule.

(A) Of the required professional development units, licensed professional land surveyors shall complete a minimum of four (4) professional development units in Minimum Standards (4 CSR 30, Chapters 16, 17 and 19) during the four (4)-year period immediately preceding renewal.

(B) Of the required professional development units in the two (2)-year renewal period, not more than twelve (12) shall be obtained in nonpersonal contact activities. Nonpersonal contact

activities include correspondence courses, video and televised courses, Internet and e-mail courses, or other activities where the presenter is not in physical proximity to the attendee.

(2) The following are exceptions to the requirement that licensees successfully complete twenty (20) PDUs prior to renewal:

(A) The licensee can show good cause why he/she was unable to complete the PDU requirements. In the event good cause is shown, the licensee will be required to make up all outstanding required PDUs within a reasonable amount of time as established by the board; or

(B) The licensee received his/her initial licensure during the preceding two (2)-year period. The licensee will be required to complete an average of one (1) PDU per month for each month of licensure; provided however that the licensee will not be required to complete more than twenty (20) PDUs; or

(C) If the licensee served honorably on full-time active duty in the military, the licensee may renew his/her license without completing the PDU requirement for the renewal period during which the licensee served.

(3) A licensee who completes more than twenty (20) PDUs during the two (2) years immediately preceding renewal may carry forward into the next two (2)-year period up to ten (10) PDUs.

(4) In evaluating PDUs for licensure renewal, the board will be guided by the following standards and guidelines:

(A) Criteria: In order to qualify as acceptable PDU credit, each activity must:

1. Have a clear purpose and objective to maintain, improve and/or expand skills and knowledge obtained prior to licensure or to develop new and relevant skills and knowledge;
2. Have a well organized content presented in a sequential manner;
3. Show evidence of pre-planning, including an opportunity for input by the target group to be served;
4. Be presented by persons qualified by education and experience; and
5. Provide information to the licensee necessary for PDU record keeping and reporting purposes.

(B) Except as otherwise stated in this rule, licensees shall earn one (1) PDU for every fifty (50) to sixty (60) minutes of activity that qualifies as acceptable PDU credit pursuant to this rule.

(C) Activities.

1. PDU activities must be relevant to the practice of land surveying and may include technical, ethical or business related content.

2. PDUs may be earned at locations outside Missouri, so long as the activity qualifies as acceptable PDU credit pursuant to this rule.

3. Assuming they otherwise qualify as acceptable PDU credit pursuant to this rule, the following activities are acceptable sources of PDU credits:

A. Successful completion of college or university course earns thirty (30) PDUs per semester hour and twenty (20) PDUs per quarter hour. Auditing or "hearing" a course qualifies for one-third (1/3) PDU credit of that stated herein.

B. Active participation and successful completion of

seminars, tutorials, workshops, short courses, correspondence courses, or televised or videotaped courses.

C. Attending program presentations at related technical or professional meetings.

D. Authoring a paper or article earns five (5) PDUs upon actual publication in a regionally or nationally circulated technical journal or trade magazine.

E. Teaching or instructing a course or seminar that satisfies the PDU criteria described in this rule, or making a presentation at a technical meeting or convention. For the original instruction or presentation, a licensee shall earn two (2) PDUs for each PDU a participant could earn pursuant to this rule. For subsequent instructions or presentations, a licensee shall earn only one (1) PDU for each PDU a participant could earn pursuant to this rule. Licensees shall not earn more than ten (10) PDUs per two (2)-year renewal period for teaching, instruction, or making presentations.

(5) All licensees shall maintain and retain records of PDU activities completed for a period of four (4) years after the reporting period in which the PDU was completed. The board may conduct an audit of licensees to verify compliance with the PDU requirements. Licensees shall assist the board in any audit by providing timely and complete responses to the board's inquiries. At a minimum, licensees must keep the following records:

(A) A log identifying the type of activity claimed, the sponsoring organization, location of the program, duration of the program, the name of the instructor(s) or speaker(s), and the PDU credits earned; and

(B) Attendance verification records such as certificates of attendance, signed attendance receipts, paid receipts, a copy of a listing of all attendees signed by a person in responsible charge of the activity, or other documentation verifying attendance.

(6) Any person or entity may seek preapproval of a PDU activity by providing the board the following information. The professional land surveying division will approve or deny credit for the activity within forty-five (45) calendar days of receipt of the information.

(A) Date(s) of the program or activity;

(B) An outline or syllabus of the program;

(C) Presentation abstract(s);

(D) Preliminary program with time frames;

(E) Course or program description; and

(F) Names of the instructor(s) or speaker(s) with biographical information showing their education and professional experience.

(7) The board will review all PDUs claimed in support of a renewal application. If it is determined that a portion of the claimed PDUs fail to meet PDU requirements, the licensee will be notified in writing of the denied PDUs. If PDUs are denied to the extent that the licensee has failed to obtain the required number of PDUs for renewal, then the board will deny issuance of the renewal and will notify the licensee in writing of their right to appeal the board's decision to the Administrative Hearing Commission.

AUTHORITY: section 327.041, RSMo Supp. 2004. Original rule filed Dec. 8, 1981, effective March 11, 1982. Amended: Filed Nov. 8, 1984, effective Feb. 11, 1985. Amended: Filed July 6, 1992, effective April 8, 1993. Rescinded: Filed May 3, 1994, effective Dec. 30, 1994. Readopted: Filed July 11, 1994, effective Dec. 30, 1994. Rescinded and readopted: Filed June 15, 2001, effective Jan. 30, 2002. Amended: Filed May 13, 2005, effective Jan. 1, 2006.*

**Original authority: 327.041, RSMo 1969, amended 1981, 1986, 1989, 1993, 1995, 1999, 2001.*

4 CSR 30-10.010 Application for Certificate of Authority

PURPOSE: This rule establishes standards for corporations to obtain and maintain certificates of authority.

(1) A corporation desiring a certificate of authority authorizing it to render architectural, professional engineering, land surveying or landscape architectural services in this state shall submit an application to the executive director of the board, listing the names and addresses of all officers and directors for a corporation or members and managers for a limited liability company. It shall also list the managing agent for each profession who is licensed in this state to practice architecture, engineering, surveying or landscape architecture.

(2) The managing agent shall be an owner, officer, partner, or a full-time employee. If the managing agent is also the person providing immediate personal supervision, as defined by board rule(s) 4 CSR 30-13.010 and/or 4 CSR 30-13.020, then that person must work in the same office where the work is being performed.

(3) The managing agent's responsibilities include:

(A) Renewal of the certificate of authority and notification to the board of any changes in the firm;

(B) Overall supervision of the professional and licensing activities of the firm and its employees;

(C) Assurance that the firm institutes and adheres to policies that are in accordance with Chapter 327, RSMo and 4 CSR 30; and

(D) Assurance, in the case of multiple offices, that the requirements for immediate personal supervision, as defined by board rule(s) 4 CSR 30-13.010 and/or 4 CSR 30-13.020, are being met.

(4) A certificate of authority is not required by a principal firm if the work is being done by a subconsultant who is licensed in this state. The principal firm cannot advertise itself as being able to provide architecture, engineering, land surveying, or landscape architecture services, or include the names of those professions in the name of their firm unless exempted pursuant to section 327.101(7), RSMo or section 327.191(5), RSMo.

(5) A corporation which is currently authorized by this board to provide professional services may continue to renew its certificate of authority under the rules that were in effect prior to

October 30, 2005 so long as the persons listed in the corporation's application do not change. If there is any change in any of the persons listed in the corporation's application, the provisions in this section, 4 CSR 30-10.010 shall apply. The change shall be reported on a new form and submitted to the executive director of the board within thirty (30) days after the effective day of the change.

AUTHORITY: section 327.041, RSMo Supp. 2004. Original rule filed Dec. 8, 1981, effective March 11, 1982. Amended: Filed Oct. 30, 2002, effective April 30, 2003. Rescinded and readopted: Filed May 13, 2005, effective Nov. 30, 2005.*

**Original authority: section 327.041, RSMo 1969, amended 1981, 1986, 1989, 1993, 1995, 1999, 2001.*

4 CSR 30-21.010 Design of Fire Suppression Systems

PURPOSE: This rule requires the design of fire suppression systems to be designed, prepared, and sealed by a professional engineer.

(1) Pursuant to section 327.181, RSMo the design of fire suppression systems is engineering and therefore the plans for those systems must be designed, prepared, and sealed by a professional engineer. This can be accomplished two (2) ways:

(A) The design engineer seals the construction documents that specify the design and criteria for the fire suppression system, including sprinklers, fire alarms, and other suppression systems. The layout and sizing of these systems, done by a Level III Technician certified by the National Institute for Certification in Engineering Technologies (NICET) or a professional engineer, can be submitted as a shop drawing. These shop drawings may be sealed by a professional engineer. The design engineer must review and approve the shop drawings for compliance with the design and specifications shown on the construction documents; and

(B) If there is no design engineer for the fire suppression system, then the shop drawings for the sprinklers, fire alarms, and other suppression systems must be designed and prepared under the immediate personal supervision of a professional engineer. These shop drawings must be sealed by the professional engineer who prepared them.

(2) Nothing in this section shall prohibit the design engineer, at his/her discretion, to specify and require the shop drawings to be designed, prepared, and sealed, by a professional engineer.

AUTHORITY: section 327.041, RSMo Supp. 2004. Original rule filed May 13, 2005, effective Nov. 30, 2005.*

**Original authority: 327.041, RSMo 1969, 1981, 1986, 1989, 1993, 1995, 1999, 2001.*

FLS and PLS Examinations Name Change

The titles of the Fundamentals of Land Surveying (FLS) and the Principles and Practice of Land Surveying (PLS) examinations have been changed to the Fundamentals of Surveying (FS) and the Principles and Practice of Surveying (PS) respectively. These changes are in accordance with NCEES Model Rule changes.

Note: Exam scores are reported only as pass or fail. All failing candidates will be provided with a diagnostic report that indicates performance on the sections attempted.

NCEES Issues List of Calculators Permitted in Examination Room

The National Council of Examiners for Engineering and Surveying (NCEES) has approved a list of calculators for the April and October 2006 exam administrations. The following models are the only calculators that will be permitted in the examination room for the 2006 exam administrations:

- Hewlett Packard-HP 9s, HP 30s, and HP 33s
- Casio-FX 115 ES, FX 115 MS, FX 115 MS Plus (Note: FX 115 ES and MS models with an SR designation are also allowed.)
- Texas Instruments-TI 30XA (or TI 30Xa), TI 30X IIS and TI 30X IIB
- Texas Instruments-TI 36X Solar

Each year, NCEES will review and revise the approved calculator list and then announce the updated list by November 15.

For more information, please see the Calculator Policy at www.ncees.org or call NCEES headquarters at 864-654-6824.

L.A.R.E. Examination Dates

April 2006 Deadlines--

Registration Deadline - March 6, 2006

This is the last day that an online registration with CLARB will be accepted.

The 2006 administration dates for Sections A, B and D of the L.A.R.E. are:

- April 4-5, 2006
- October 3-4, 2006

Appointment Deadline - March 27, 2006

This is the last day that an appointment with Thomson/Prometric will be accepted.

The 2006 administration dates for the graphic administration for Sections C and E of the L.A.R.E. are:

- June 12-13, 2006
- December 4-5, 2006

EXAMINATION DATES AND FILING DEADLINES

Completed Application for Examination or Re-examination/Re-scheduling Application Form must be filed (received) in the Board office not later than the filing deadline, NO EXCEPTION.

FS (LSIT) Examination Dates

April 22, 2006
October 28, 2006
April 21, 2007
October 27, 2007
April 12, 2008

Application Filing Deadline

December 1, 2005
June 1, 2006
December 1, 2006
June 1, 2007
December 1, 2007

Re-Examination/Re-Scheduling Application - Filing Deadline

February 15, 2006
August 15, 2006
February 15, 2007
August 15, 2007
February 15, 2008

PS Examination Dates

April 21, 2006
October 27, 2006
April 20, 2007
October 26, 2007
April 11, 2008

Application Filing Deadline

December 1, 2005
June 1, 2006
December 1, 2006
June 1, 2007
December 1, 2007

Re-Examination/Re-Scheduling Application - Filing Deadline

February 15, 2006
August 15, 2006
February 15, 2007
August 15, 2007
February 15, 2008

FE Examination Dates

April 22, 2006
October 28, 2006
April 21, 2007
October 27, 2007
April 12, 2008

Application Filing Deadline

December 1, 2005
June 1, 2006
December 1, 2006
June 1, 2007
December 1, 2007

Re-Examination/Rescheduling Application - Filing Deadline

February 15, 2006
August 15, 2006
February 15, 2007
August 15, 2007
February 15, 2008

PE Examination Dates

April 21, 2006
October 27, 2006
April 20, 2007
October 26, 2007
April 11, 2008

Application Filing Deadline

December 1, 2005
June 1, 2006
December 1, 2006
June 1, 2007
December 1, 2007

Re-Examination/Rescheduling Application - Filing Deadline

February 15, 2006
August 15, 2006
February 15, 2007
August 15, 2007
February 15, 2008

MOVING? PLEASE NOTIFY THE BOARD OFFICE OF YOUR NEW ADDRESS.

Name: _____

Profession: _____

License Number: _____

Old Address: _____

New Address: _____

(P.O. Box must be accompanied by your physical address)

Signature: _____

Date: _____

Please mail or fax to:

Missouri Board for Architects, Professional Engineers, Professional Land Surveyors and Landscape Architects
P.O. Box 184
Jefferson City, MO 65102

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