

Meeting of the Professional Engineering Committee
of the Board of Licensure for Professional
Engineers & Professional Surveyors held 8:00 a.m.,
January 10, 2008 at the Board Office, 4001 Office
Court Drive, Suite 903, Santa Fe, NM 87507-4962

Members Present: John T. Romero, Sr., PE, PEC Vice Chair, Board Secretary
Subhas Shah, PE, later arrival noted in minutes

Members Absent Stevan Schoen, Esq, Public Member
Patricio Guerrerortiz, PE, PEC chair, Board Vice Chair
Dr. Rola Idriss, PE
Severiano Sisneros, PE

Others Present: Elena Garcia, Executive Director, BLPEPS
Perry Valdez, Licensing Specialist, BLPEPS

Guest Tim Thompson, PE, HYTEC Incorporated
Tim Ott, ISBS LLC
Scott Keating, HYTEC Incorporated

1. CONVENE/ROLL CALL/INTRODUCTION OF GUESTS

Mr. Romero convened the meeting and roll call was taken. It was noted that by himself a quorum was not present.

2. APPROVAL OF THE AGENDA

3. APPROVAL OF THE MINUTES

- 3.1 November 1, 2007 Minutes [page3]
- 3.2 December 14, 2007 Minutes [page9]

4. NEW BUSINESS

4.1 Timothy Thompson RE: addition of structural discipline – Appt. 8:00 a.m. [page 11-20] - Mr. Thompson explained he has brought a colleagues and a customer with him that his company does work for, Mr. Keating and Mr. Ott. Mr. Thompson is chairman of HYTEC Incorporated with offices in Los Alamos, NM, Bolder, CO., and Ardmore, OK. The company started in 1996 as a design and mechanical engineering company. Prior to that, he worked at LANL for 12 years heading a group of 150 people called Design Engineering. This group did all the mechanical, structural, and thermal design for anything that was non-nuclear. This would be accelerator design, detector design, and any design of large structural components, which were put into facilities. He was chief

engineer for a program called Super Conducting Super Collider in Dallas Texas. These are large detectors four stories tall and costing one billion dollars each. He had design control over about 50 million dollars of the design that covered the mechanical, structural, and thermal analysis design. In 1985 with LANL, he led the design of the world's first all composite satellite called FORTE that flew in 1994 and gained him the *Discover Magazine's* award for innovation in Aerospace for 1996. He got a BS from NMSU in 1978 and a MS with structural classes included from the UNM in 1990. He acquired his PE in 1986. His career as a NM licensed engineers spans over 20 years.

Mr. Romero notes for the record the arrival of Mr. Shah

Mrs. Garcia notes that in 1992 the rules for structural engineer began. He continues by explaining as he worked he crossed over from his mechanical discipline to electrical, thermal, and structural as needed. Mr. Romero asks about the concrete and steel buildings in their contracts. Mr. Tim Ott, general contractor and real estate developer, spoke on Mr. Thompson's behalf and responds that Mr. Thompson's group has done about 40 buildings over the past 10 years for him. Mr. Ott described the structural work Mr. Thompson has done for him. These were single story steel and concrete structures from 5,000 to 47,000 square feet. Mr. Thompson and his company did these designs with no problems with the second party inspections on the concrete and steel by as many as 25 municipalities including Albuquerque, Rio Rancho, Las Cruces, and Santa Fe. Third party engineering firm have inspected Mr. Thompson's work for the municipalities. These range from 500 to 2,500 cubic yards of concrete. Steel is open web joist with steel deck roofs with custom design column and beam package by Mr. Thompson. Mr. Shah asks if he had structural engineering included in his mechanical degree. He said he did have some structural. Mr. Shah asks about his design review process. Mr. Thompson said his designs are reviewed at preliminary, critical, and final design. Scott Keating, who came today to support his request, has a Master's degree in structural and aerospace engineering. Another reviewing HYTEC engineer, Boran Hoggen, has a masters in structural and PhD in aerospace engineering. They are part of the group that reviews his work. Mrs. Garcia asks if these commercial building required multiple engineering seals, and Mr. Ott said they did have electrical, mechanical, structural, architectural, and civil. Mr. Romero inquired why he listed structural specialty in 1990, and Mr. Thompson said the area of his Master's studies had been solid and structural mechanics and the Board did not have a structural discipline until 1993. He continued that mechanical engineering can be thermal or structural and his focus was on advanced composites for structural applications.

Mrs. Garcia read the rules for structural discipline at NMAC 16.39.3.8 D "...a B.S. degree with a structural option and a minimum of four years of post-baccalaureate structural engineering experience, listing as a structural engineer may be obtained by having gained an acceptable engineering degree which included a minimum of 6 hours of structural design; having licensure as a professional engineer; and having four years of structural experience gained after licensure and acceptable to the board." She continued saying if the Board was not satisfied with his presentation they can require Mr. Thompson to take the Structural I examination. Mr. Romero concludes that the other members can review the interview and they will get back to him. Mr. Shah requested that

he provide a transcript of his Master's degree, and he agreed to submit it. Mr. Thompson thanks the Board for their time and consideration.

Upon review of Mr. Thompson's application and board appearance for structural discipline it was denied by the Board.

4.2 Procedures for Agenda Items on Committees & Board Agendas [page 21] [change recommended by Counsel]

4.3 Job Description – Engineering Technician [page 23]

5. **CORRESPONDENCE**

6. **COMPLAINTS & VIOLATIONS - Closed Session**

[State: ...*The Board will convene in closed or executive session pursuant to NMSA 1978, Section 10-15-l(H)(1) to discuss cases listed in this section of the agenda*]

6.1 08-07-18 [page 24]

6.2 08-07-19 [page 25]

6.3 08-07-20 [page 26]

6A. **COMPLAINTS & VIOLATIONS - Open Session**

Action on the Above Cases [Note: ...*All charges, unless dismissed as unfounded, trivial, resolved by reprimand, or settled informally shall be heard in accordance with the provision of the ULA, 61-23-27.11(D), NMSA 1978*]

6A Appoint hearing officers (if required) for new cases

7. **REVIEW OF APPLICATIONS**

7.1 Applications for 36 Retired Status & 29 Inactive Status & Waiver of PHDs due to medical Exemption [page 29]

7.2 Applications with "MLE" Council Records and "Substantial Equivalency" (approx. 46 PE and 21 EI)

7.3 Review of New Comity and Examination Applications for the April 2008 exam (approx.) The committee reviewed some 22 applications and posted the decisions inside the applicant file.

7.3.1 Delegate Responsibility for Review

9. **ADJOURNMENT** – Having no further business Mr. Romero adjourned the meeting.

Submitted by:

Approved by

Perry Valdez, Acting Executive Director

John T. Romero, Sr. PE, PEC Vice Chair

April 17, 2008 Approved Date