

# Queens Chapter New York State Society of Professional Engineers *The Drawingboard*

January 2017

Volume 17, Number 1

## In This Issue

- Meeting Notice
- Presentation Outline
- City and State Rules
- Link of the Month
- Second Avenue Subway
- Sponsors, Vendors and Professional Services

## Board of Directors

George L. Tavoulareas, P.E.	President. (718) 352-0025
Richard Berkenfeld, PE	1st Vice Pres.
Sam Ainechi, PE	2nd Vice Pres
John Sgouros, P.E.	Treasurer (718) 956-3488

Editor/Publisher  
Tony DiRuggiero, P.E.

[www.nspequeens.org](http://www.nspequeens.org)

## . *President's Message*

*George Tavoulareas, PE, President*  
718-352-0025

I would like to start off by wishing everyone a Happy, Healthy and Prosperous New Year. There is a new president, Donald Trump and a new Congress. Major changes in policy should be expected with this new administration and we wish them well. When they succeed America succeeds. President Trump nominated Rex Tillerson, a civil engineer to serve as his Secretary of State. Rex has a bachelor's degree in civil engineering from the University of Texas at Austin. As he was being grilled by a senator at his Senate confirmation hearing, Rex stressed his civil engineering background and his ability to analyze a problem and find ways to solve it. According to Rex, his engineering background qualifies him for the job as Secretary of State, because he was trained to solve problems. Engineers have been solving the world's problems and improving the life of mankind for thousands of years. I'm not sure what engineering principles he will use to solve the world's foreign problems but engineers are trained to analyze problems and find solutions. In the past, presidents have appointed lawyers to solve some of these world problems and have been unsuccessful, let's see if an engineer can be successful in tackling some of these problems that have been around for many years. We wish him well. This will be an interesting four years.

Governor Andrew Cuomo announced that JFK will get a facelift of \$10 billion dollars and LaGuardia airport is scheduled to have an \$8 billion renovation as part of his \$100 billion state infrastructure plan. For many years these two crumbling airports and our infrastructure have been neglected. It's about time.

Our annual math counts competition is being held on February 4, 2017, at 9:00 A.M. at Middle School 67, Little Neck, Queens. Volunteers are needed to help administer the test questions. Please call Bob LoPinto at 516-816-3800 for further information.

### Immediate Past Presidents

Chris Petallides, P.E.	2008/2010 2004/2005 1998/2000 (718) 961-4342
Brian Flynn P.E.	2006/2008 (718) 707-0416
John Zurita, P.E.	2002/2003 (718) 756-0320
Sal Galletta, P.E.	2000/2002 (212) 788-8199
Joel Miele, Jr., P.E.	1996/1998 (718) 894-2222
Chris Sideris, P.E.	1994/1996 (718) 224-9091
Robert Lo Pinto, P.E.	1990/1992 (718) 746-7122

### Directors 2008-2010

Gregory Georges, PE	(718) 274-4800
Mike Karantinidis, P.E.	(718) 482-0800
John Kepertis, P.E.	(718) 343-6989
Saeed Ainechi, P.E.	(718) 544-7878
Issam Aburafteh, P.E.	(718) 276-9200

### Directors 2008-2009

James Manoussoff, P.E.	
Bernard Haber, P.E.	(718) 224 2146
Eliot Shapiro, P.E.	(516) 791-2300
Xenophon Cavaris, P.E.	(516) 752-1687
Peter Boudouvas, P.E.	(212) 594-4340
Robert Weiner, P.E.	

If you can't come at 9am, you should try and make it for the final round at 11:30 am where students verbally answer math questions in a "spelling bee" type atmosphere.

See you at the meeting.

## Next General Membership Meeting

The next general membership meeting will be held on Thursday January 26, 2014, 2016 at 6:15pm. at 422 Weaver Ave in Ft. Totten, NY

The admission fee is \$20 for members and \$30 for non members.

6:15-7:00pm Buffet Dinner

7:00-7:30pm General Membership Meeting

7:30-8:30pm Presentation – "Cold Formed Steel Framing Systems and their use as Non-Loadbearing Partitions"

## Presentation Outline

### Cold Formed Steel Framing Systems

**MarinoWare** will sponsor discussion on the design and use of interior steel framing systems and fireproofing applications:

- Discuss LEED™, and the recyclability of cold formed steel products.
- Inform of the uses and methods for cold formed floor systems.
- Inform and identify alternative floor framing products that cold formed steel can efficiently replace.
- Provide basic design guidelines for what needs to appear on your construction documents.
- Provide resources you can use to help your design effort for cold formed steel floor systems.
- Review interior partitions
- Describe various types of metal studs
- Review installation
- Explain code compliance of common materials in the marketplace today
- Describe what a Head of Wall joint is and what constitutes a Head of Wall assembly
- Describe a UL listed assembly
- List four standards used to determine UL 2079 approval
- Explain the deflection capacity of joint treatments
- Explain hourly ratings of joint treatments
- Describe what comprises the L-rating of joint treatments
- Describe shaft-wall assemblies
-

- Compare and contrast joint treatment types and list the advantages/disadvantages of each
- Explain what Architects, Engineers, and Specification professionals should consider when specifying protection of dynamic or static head of wall joints

---

## Rules Update

***Proposed Rules Governing the City of New York can be viewed at:***

<http://rules.cityofnewyork.us/proposed-rules>

- [Green Infrastructure Grant Program](#)
  - [Promulgation of Noise Code Penalty Schedule](#)
  - [Amendment of Water Emergency Rules](#)
  - [DOT Amendment to Traffic Rules](#)
  - [Applications for Certain Signs and Related Structural Elements](#)
  - [Appeal of Abatement Orders](#)
- See attachment for DOB Lift Director proposed rule.

---

## Link of the Month

***10 Fun Facts of the Second Avenue Subway***

<http://untappedcities.com/2017/01/13/10-fun-facts-about-nycs-new-second-avenue-subway-line/>

---



---

## Mathcounts

By Robert LoPinto, PE,  
former President  
516-816-3800

### QUEENS MATHCOUNTS COMPETITION CALL FOR VOLUNTEERS

(Note Change of Location)

The QUEENS MATHCOUNTS Competition will be held on Saturday, February 4, 2017 at 9:00 A.M. at Middle School 67, Little Neck, Queens. VOLUNTEERS NEEDED!

#### REGISTRATION:

Registration will begin no sooner than 8:15 AM. All schools should arrive before 8:45 AM to register their students. It is requested that Volunteers arrive by 8:30 am.

#### MS 67 LOCATION:

MS 67 is located in Little Neck. The Address is 51-60 Marathon Parkway. The Main Entrance is located on Marathon Parkway at 51 st Avenue. There is ample street parking on 51<sup>st</sup> and 52nd Avenues. Once inside the school, you will be directed to the Cafeteria, one flight down.

MS 67 is in Little Neck, North of the Long Island Expressway, South of Northern Blvd, East of the Cross Island Parkway and West of Little Neck Parkway.

MATHCOUNTS is a Math skills building and competition for 6 th , 7 th & 8 th grade students, sponsored by the National Society of Professional Engineers. Competitions are held at the local Chapter level, followed by a State competition. The top individuals from the State competition then compete at the National Competition, which is being held in Orlando, Florida this year. The top winners of the National Competition can win

college scholarships.

Teams of 4 students and up to 6 individuals from the schools spend about 4 hours taking various written and oral tests.

It is estimated that the competition and awards ceremony will end by 1:00 PM. There will be a short break after the Team competition-before the Countdown round competition. We will provide some refreshments.

If there are any questions, call me during

the day at 516-624-7200. I can also be reached on my Cell Phone at 516-816-3800.

Bob LoPinto, PE  
Cell- 516-816- 3800

---

## Queen's DOB Industry Meeting

### December 2016 Meeting Minutes

[Click here to view online \(courtesy Queen's AIA\)](#)

## NEW YORK CITY DEPARTMENT OF BUILDINGS

### **Notice of Public Hearing and Opportunity to Comment on Proposed Rule**

**What are we proposing?** The Department of Buildings (DOB) is proposing a new rule relating to the designation and responsibilities of lift directors.

**When and where is the hearing?** DOB will hold a public hearing on the proposed rule. The public hearing will take place at 10am on 2/24/17. The hearing will be in the 2<sup>nd</sup> floor auditorium at 125 Worth Street.

**This location has the following accessibility option(s) available:** Wheelchair accessibility.

**How do I comment on the proposed rules?** Anyone can comment on the proposed rules by:

- **Website.** You can submit comments to the DOB through the NYC rules website at <http://rules.cityofnewyork.us>.
- **Email.** You can email comments to [dobrules@buildings.nyc.gov](mailto:dobrules@buildings.nyc.gov).
- **Mail.** You can mail comments to the New York City Department of Buildings, Office of the General Counsel, 280 Broadway, 7<sup>th</sup> floor, New York, NY 10007.
- **Fax.** You can fax comments to the New York City Department of Buildings, Office of the General Counsel, at 212-566-3843.
- **Speaking at the hearing.** Anyone who wants to comment on the proposed rule at the public hearing must sign up to speak. You can sign up before the hearing by calling 212-393-2085. You can also sign up in the hearing room before the hearing begins on 2/24/17. You can speak for up to three minutes.

**Is there a deadline to submit comments?** Yes, you must submit comments by 2/24/17.

**Do you need assistance to participate in the hearing?** You must tell the Office of the General Counsel if you need a reasonable accommodation of a disability at the hearing. You must tell us if you need a sign language interpreter. You can tell us by mail or email at the addresses given above. You may also tell us by telephone at 212-393-2085. You must tell us by 2/10/17.

**Can I review the comments made on the proposed rules?** You can review the comments made online on the proposed rules by going to the website at <http://rules.cityofnewyork.us/>. A few days after the hearing, copies of all comments submitted online, copies of all written comments and a summary of oral comments concerning the proposed rule will be available to the public at the Office of the General Counsel.

**What authorizes DOB to make this rule?** Sections 643 and 1043(a) of the City Charter and section BC 3319 of the Building Code authorize DOB to make this proposed rule. This proposed rule was not included in DOB’s regulatory agenda for this fiscal year because it was not contemplated when DOB published the agenda.

**Where can I find DOB’s rules?** DOB’s rules are in Title 1 of the Rules of the City of New York.

**What rules govern the rulemaking process?** DOB must meet the requirements of Section 1043 of the City Charter when creating or changing rules. This notice is made according to the requirements of Section 1043(b) of the City Charter.

### **Statement of Basis and Purpose of Proposed Rule**

The Crane Safety Technical Working Group (“TWG”), appointed by Mayor Bill de Blasio and Buildings Commissioner Rick Chandler following the February 2016 crane collapse in Tribeca, recommended that a lift director be “present at the jobsite full time, charged with supervising the overall activity of the crane and monitoring compliance with city crane regulations.” (TWG recommendation #14)

This proposed rule will:

- mandate that a lift director be present at a construction site while a crane or derrick is performing certain tasks; and
- identify responsibilities for the lift director.

The responsibilities of the lift director are based on those established by the B30 model standards for cranes, derricks, and rigging published by the American Society of Mechanical Engineers (“ASME”). Additional requirements are also proposed for the lift director to verify compliance with New York City regulations and to ensure weather conditions are monitored and the crane or derrick properly secured. The requirement to monitor weather conditions was recommended by the TWG (TWG recommendation #16).

The proposed rule empowers the lift director to issue orders to personnel or to stop crane, derrick, or rigging operations when the lift director discovers a violation of safety protocols listed in the rule. Where violations of safety protocols listed in the rule are not immediately corrected, the lift director is obligated to report the violation to the Department of Buildings.

Further, the proposed rule establishes a designation and notification system for the department to be informed of the lift director at the site. It also requires the lift director to review relevant plans, and to hold a pre-shift meeting with relevant personnel. The requirement for a pre-shift meeting was recommended by the TWG (TWG recommendation #15).

The Department of Buildings’ authority for these rules is found in sections 643 and 1043 of the New York City Charter and section BC 3319 of the New York City Building Code.

## Professional Services Directory

The Queens Chapter of the NYSSPE recommends the advertisers listed below for their respective products or services. However, the Queens Chapter does not take responsibility for these advertisers products or services.



**Miles Fisher, P.E.**

**Fire and Building Code Services, Inc.**  
10 East Merrick Road, Suite 308  
Valley Stream, New York 11580

Tel: 516-256-7780, Ext. 201  
Fax: 516-256-7783  
Cell: 516-779-7295

E-mail: [miles@firecodeservices.com](mailto:miles@firecodeservices.com)

**Robert A. LoPinto, P.E.**  
PROJECT MANAGER III

**Joseph M. Heaney III, P.E.**  
PRINCIPAL

SHAPIRO ENGINEERING, DIVISION OF  
WALDEN ENVIRONMENTAL ENGINEERING PLLC

O 516.624.7200  
F 516.624.3219

16 Spring Street  
Oyster Bay, NY 11771  
[walden-associates.com](http://walden-associates.com)  
[rlpinto@walden-associates.com](mailto:rlpinto@walden-associates.com)



WALDEN ASSOCIATES

Tel: 718-544-5105

Fax: 718-544-0031

**JOSEPH HOROWITZ**  
*Professional Engineer*

ENVIRONMENTAL CONSULTING  
ENVIRONMENTAL PROJECT MANAGEMENT

76-06 137<sup>TH</sup> Street  
Flushing, NY 11367

**ISSAM M. ABOURAFEH, P.E.**  
PROFESSIONAL ENGINEER



ARCHITECTS ENGINEERS PLANNERS

123-23 82 AVE  
KEW GARDENS NY 11415

EMAIL: [ISSAM@IMA-ARCHITECTS.COM](mailto:ISSAM@IMA-ARCHITECTS.COM) TEL (718) 268-8600  
FAX (718) 793-5247



**A&A Consulting Engineers, P.C.**

**SAM S. AINECHI, M.S., P.E.**  
Licensed Professional Engineer

125-10 Queens Blvd.  
Suite 318, Silver Towers  
Kew Gardens, NY 11415

Tel. 718-544-7878  
Fax: 718-544-7884

**Chris Petallides, P.E., N.S.P.E.**  
CONSULTING ENGINEER

TEL: 718 961 4342  
FAX: 718 321 3929

EMAIL: [PetallidesPE@aol.com](mailto:PetallidesPE@aol.com)

47-15 Marathon Pkwy.  
Little Neck Hills, N.Y. 11362

The Queens Chapter of the NYSSPE recommends the advertisers listed below for their respective products or services. However, the Queens Chapter does not take responsibility for these advertisers products or services.

 <p>N.Y.S. P.E. License # 069956 Cell (347) 526-6036</p> <p><b>Brian E. Flynn</b> <i>Professional Engineer</i> <b>Home &amp; Building Inspections</b></p> <p>78-66 79th Place Glendale, NY 11385</p> <p>Phone (718) 894-7822 Fax: (718) 894-7833 BEFlynnPE@aol.com</p>	 <p><b>Lee Millstone</b> Fire Protection Specialist</p> <p><b>Hilti North America</b> P.O. Box 21148   Tulsa, OK 74121-1148 T 800-879-8000   C 347-449-0336 E lee.millstone@hilti.com   www.hilti.com ISO 9001/14001 REGISTERED</p>
 <p><b>Z. S. ENGINEERING, P.C.</b> 99 TULIP AVENUE FLORAL PARK, NY 11001 PHONE: (516) 328-3200 FAX: (516) 328-6195 E-MAIL: staszewski@zsengineering.com</p> <p><b>ZYGMUNT STASZEWSKI, PE, FSPPE</b> PRESIDENT NY LICENSE #63367 CT LICENSE #17587 NICET III</p>	 <p><b>HERMES/Hephaistos</b> <i>Manufacturer of c-joists, metal studs &amp; accessories</i> <i>A Division of Hephaistos Building Supplies</i></p> <p>Warehouse: 24-02 37th Avenue Astoria, NY 11101 Office: 34-01 Broadway Astoria, NY 11106</p> <p>Tel: (718) 482-0800 Fax: (718) 402-0581 Michael Karantinidis P.E. President</p>
<p><b>INTERNATIONAL GEOTECHNICAL/STRUCTURAL LABORATORIES INC.</b> <a href="http://www.internationalgeo.com">www.internationalgeo.com</a> <b>GEOTECHNICAL &amp; ENVIRONMENTAL TESTING</b></p>  <p><b>MICHAEL KARANTINIDIS, P.E.</b> <b>STRUCTURAL ENGINEER</b> OFFICE: 31-87 34TH STREET, ASTORIA, NY 11105 TEL: (718) 726-1520 FAX: (718) 956-0274 <a href="mailto:info@internationalgeo.com">info@internationalgeo.com</a></p>	<p><b>Tony Alfano</b> Sales Engineer URETEK Holdings, Inc.</p>  <p><a href="mailto:talfano@uretekholdings.com">talfano@uretekholdings.com</a> 917-504-6036 Direct 888-490-1085 Toll Free <a href="http://www.URETEKHoldings.com">www.URETEKHoldings.com</a></p> <p>Lift • Level • Stabilize</p> <p>Headquarters   4759 Drane Field Rd   Lakeland   FL   33811</p>
 <p><b>CR SAFETY</b> construction &amp; really safety group</p> <p><b>Rick LaLuna</b> Vice President of Operations</p> <p>226 East Merrick Road Valley Stream, NY 11580</p> <p>phone 516.599.5900 fax 516.599.1587 mobile 631.484.3326 <a href="mailto:rlaluna@crs-group.com">rlaluna@crs-group.com</a></p>	<p><b>Office of Richard Berkenfeld</b> consulting engineers</p> <p><b>richard g. berkenfeld, p.e.</b> principal</p> <p>175 great neck road great neck, n. y. 11021</p> <p>(516) 487-0414 fax (516) 487-0417</p>

The Queens Chapter of the NYSSPE recommends the advertisers listed below for their respective products or services. However, the Queens Chapter does not take responsibility for these advertisers products or services.



**team**  
INTERNATIONAL  
MASONRY  
INSTITUTE

19 Spruce Street  
Clifton Park, NY 12065

Phone: 518-956-3466  
1-800-IMI-0988

Email: [klashway@imiweb.org](mailto:klashway@imiweb.org)  
[www.imiweb.org](http://www.imiweb.org)

**Keith F. Lashway, P.E.**  
*Director of Industry Development and  
Technical Services*



**SUPERIOR GUNITE**

STRUCTURAL SHOTCRETE & ENGINEERING

**Kenneth Krautheim**

8 HOPE STREET, JERSEY CITY, NJ 07307  
CELL (201) 577-8225 OFFICE (201) 630-0630  
[kenneth.krautheim@shotcrete.com](mailto:kenneth.krautheim@shotcrete.com)


Lic. #370034



**SIDERIS  
KEFALAS  
ENGINEERS P.C.**

Consulting Engineers  
[cad@skenyc.com](mailto:cad@skenyc.com)

217-22 Northern Boulevard  
Bayside, New York 11361  
Tel: 718-224-9091  
Fax: 718-224-9143  
[www.skenyc.com](http://www.skenyc.com)



**Paulson Ambookan**  
*Solar Energy Consultant*

3140 Veterans Memorial Hwy, Suite #3  
Bohemia, NY 11716

**Toll Free:**  
800 FREE SOLAR

☎ 800 373 3765  
☎ 516 205 4757  
☎ 848 220 9139

[Paulson@trinity-solar.com](mailto:Paulson@trinity-solar.com)  
[www.Trinity-Solar.com](http://www.Trinity-Solar.com)

**SACKSTEIN SACKSTEIN & LEE, LLP**

**CHRISTINA C. VASSILAS**  
ATTORNEY AT LAW

1140 Franklin Avenue  
Suite 210  
Garden City, New York 11530  
Tel : (516) 248-2234  
Fax: (516) 248-7268  
Email: [cvassilas@sacksteinlaw.com](mailto:cvassilas@sacksteinlaw.com)

*Additional Offices:  
By Appointment Only*  
Flushing, New York  
Bronx, New York  
Brooklyn, New York  
Web: [www.sacksteinlaw.com](http://www.sacksteinlaw.com)