

ELEVATION EDUCATION

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ELEVATION EDUCATION

UPSTATE NY

- HURRICANE IRENE
REMNANTS VILLAGE
OF OWEGO, NY
- SUSQUEHANNA RIVER
- +80% OF VILLAGE
INNUNDATED
- +80% OF VILLAGE IN
100YR FLOOD PLAIN
- OVER 1,000
STRUCTURES
DAMAGED



VILLAGE of OWEGO, NY



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**80% COMMUNITY INUNDATION
NATIONAL REGISTER HISTORIC DISTRICT**



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OUTREACHES

- 6 OUTREACHES IN 6 WEEKS
- 220 PEOPLE REACHED
- 110 ELEVATION APPLICATIONS STARTED
- 56 ELEVATIONS DONE BY 2017



HISTORIC ELEVATION 4ft



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SANDY

- **ALMOST 600,000 FLOODED BUILDINGS**
- **VERY LITTLE EXPERIENCE WITH ELEVATION**
- **INTEREST FROM COMMUNITIES IN FREE OUTREACH EDUCATION**



TYPICAL PRE-FIRM BUILDING DAMAGE



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RE-CONFIGURED AND RE-DEPLOYED AFTER SANDY

- 16 MONTHS IN NY/NJ
- 28 SITES
- OVER 4,000 PEOPLE IN PERSON
- 13,000 VIEWS ON 3 YOUTUBE POSTS
- 20,000 GRANT FUNDED ELEVATIONS
- MULTIPLE FMA ELEVATION GRANTS TO CITIES POST 2015



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**“ELEVATION 101”
AWARDED THE
2014 FLOOD
PROOFING AWARD**



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STALLED OUT 2014-2017

PRESENTED AT MULTIPLE HISTORIC PRESERVATION CONFERENCES

**PRESENTED AT 3 INTERNATIONAL ASSOCIATION OF STRUCTURAL
MOVERS – IASM CONFERENCES**

PRESENTED AT SEVERAL FLOOD PLAIN MANAGERS CONFERENCES



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PUBLISHED AS
“STEPS TO
ELEVATION – STE”



**International Association
of Structural Movers**



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<http://www.iasm.org/wp-content/uploads/2018/02/steps-to-elevation2018.pdf>

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2017

HARVEY/IRMA

**OVER HALF A MILLION
FLOODED BUILDINGS
TENS OF THOUSANDS OF
PRE-FIRM BUILDINGS
DAMAGED WITH RAPIDLY
RISING NFIP PREMIUM
RATES**

HARVEY



IRMA

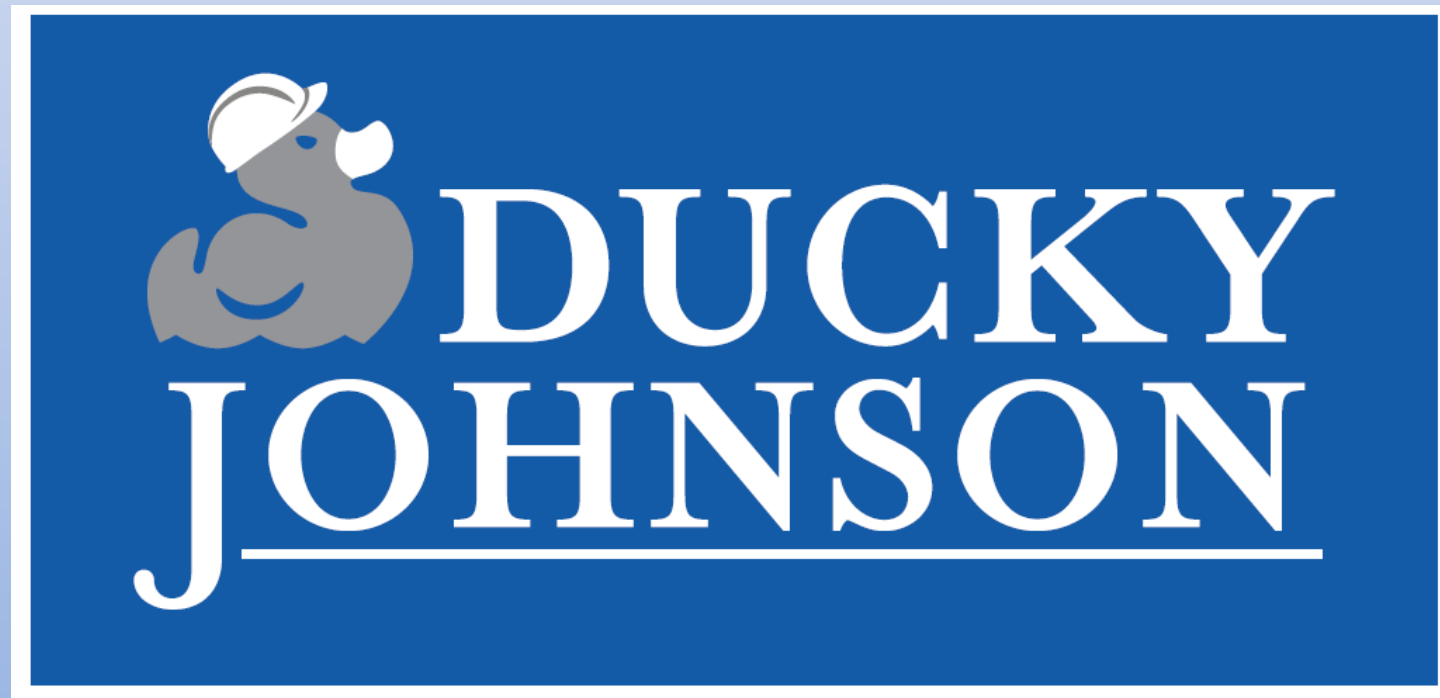


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2018

“ELEVATION – 101” DEPLOYED AGAIN!



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2018

3 WEBINARS = 400 ATTENDEES

- CODE OFFICIALS
- FLOOD PLAIN MANAGERS
- DESIGN PROFESSIONALS



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TEXAS AWARENESS
FLOODPLAIN CONSTRUCTION TRAINING

LEARN TO BUILD WITH RESILIENCE IN MIND
JOIN US FOR AN INFORMATIVE 1.5 HOUR LIVE WEBINAR

Register online by clicking one of the following dates:
Monday, March 19th, 2018 from 2:00-3:30pm CST
Tuesday, March 20th, 2018 from 2:00-3:30pm CST
Wednesday, March 21st, 2018 from 10:00-11:30am CST

As Texas recovers and rebuilds from the devastating effects of Hurricane Harvey, it is important that we design and build stronger, both with new construction and when we rebuild non-FIRM compliant structures. This all starts with an understanding of the International Code Council's Residential and Building Codes, the ASCE 24 Standard, FEMA Guidelines and best practice approaches seen during Hurricane Harvey. This Webinar, which is designed to educate Architects, Builders, Code Officials, Engineers and Floodplain Managers, will cover the following:

1. Insight into the floodplain provisions of the International Residential Code & International Building Code.
2. Step by step guide to elevation for existing structures and new construction.
3. FEMA and Grant Requirements and how design influence flood insurance rates for your residents and clients.

PROGRAM SPONSORED BY:

 William Bracken, PE, SE, CFM ICC Instructor Technical Advisor (800) 871-7272	 Rod Scott, CFM Flood Mitigation Specialist (415) 275-3888	 Tom Little, CFM VP Smart Vent Flood Insurance Expert (877) 441-5388
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2018

**FLORIDA KEYS/JACKSONVILLE/ST
AUGUSTINE**

- **7 COMPLETED**
- **4 MORE SCHEDULED**
- **BIG WEBINAR IN PLANNING**



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ELEVATION EDUCATION

WE HAVE MAYBE 3 MILLION PRE-FIRM HIGH FLOOD RISK BUILDINGS IN THIS NATION WITH RAPIDLY RISING NFIP POLICY PREMIUMS, EVEN IF THEY DON'T HAVE A POLICY!

WE MUST EDUCATE THE OWNERS OF THESE BUILDINGS ABOUT HOW FLOOD HAZARD MITIGATION – ELEVATION WORKS AND ENCOURAGE THEM TO PLAN FINANCE AND EXECUTE THESE PROJECTS OR THESE BUILDINGS COULD AND OR WILL BE VACANT IN 20 YEARS.



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MOON SHOT!



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