

## SEI HOUSTON MONTHLY NEWSLETTER

### NEWS THIS MONTH

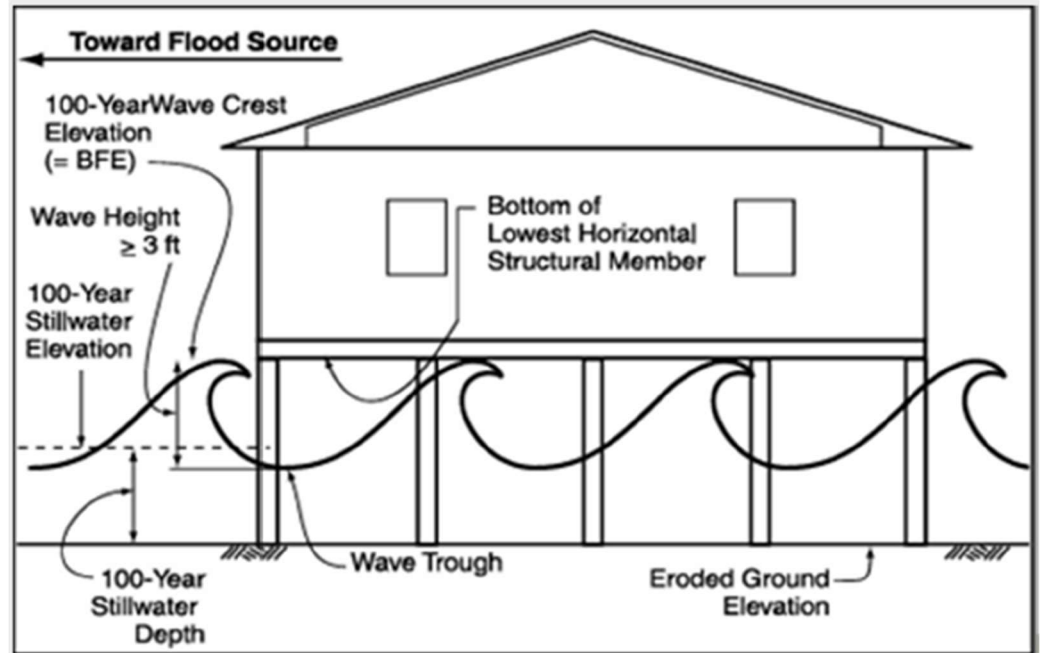
Flood Design Using ASCE 7  
and ASCE 24

### UPCOMING EVENTS

Texas SEI Chapter Annual  
Meeting

### GET TO KNOW YOUR COMMITTEE MEMBER

Babak Pourazarm, P.E.,  
Vice Chair of SEI Houston



*NFIP: V Zone Elevation*

## FLOOD DESIGN USING ASCE 7 AND ASCE 24

**On November 18, 2021, Mr. Coulbourne, P.E. delivered a SEI Technical Session Webinar regarding structure design to reduce flood damage.**

The webinar covers the basic requirements for flood design using ASCE 7-16 and ASCE 24-14. Mr. Coulbourne introduced the Design Flood Elevation (DFE) and how to use the flood depth determined by the DFE to calculate flood loads on a structure. The connection between these two documents and the building codes were discussed, as well as the most important elements of ASCE 24 as they relate to residential and commercial construction. Examples in Galveston, TX and in Harris County are discussed to show the audiences on how to apply the adequate codes.



William Coulbourne, P.E.

The audiences showed their interests in this topic and many said the lecture is helpful for them to understand the flood considerations. Good questions were raised and Mr. Coulbourne addressed those questions in great details.

## UPCOMING EVENTS



**Happy Holiday Break!!**  
**There will be no monthly technical session in December 2021.**



John Hand PE, SE, LEED AP (Associate, Arup)

- **Texas SEI Chapter Annual Meeting on 01/25/2022.** TXSEI (The Texas Structural Engineering Institute Chapter) will have the first annual meeting next January. With three great presentations on the unique projects in Texas, this event provides an opportunity for Texas engineers to connect in the state level.

### **Agenda**

- 11:10 - 11:40 AM - *Dallas Southern Gateway Bridge Overview* presented by Elaine Jin PE (Vice President, WSP)
- 11:45 AM - 12:15 PM - *Houston's First Hybrid Steel & Mass Timber Building* presented by John Hand PE, SE, LEED AP (Associate, Arup)
- 12:20 - 12:50 PM - *Structural Design of Q2 Stadium for the Austin FC MLS Club* presented by Mark Waggoner PE (Senior Project Manager, Walter P Moore)

Registration Link:

<https://www.texasce.org/event/txsei-annual-meeting/>