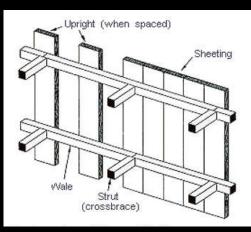
## **Courthouse Curiosities**

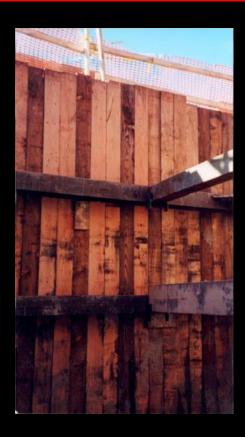
True Tales from Texas

# Two Tragic Trench Collapses

Claims: \$33M (each)

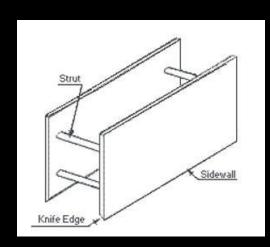






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**SEA0A Convention & Conference** 

Scottsdale, Arizona

June 14, 2019



### Trenching and Excavation Safety



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### **Lessons:**

- Take your construction administration duties seriously.
- Never jump into a trench.

# **Highland Appliance**

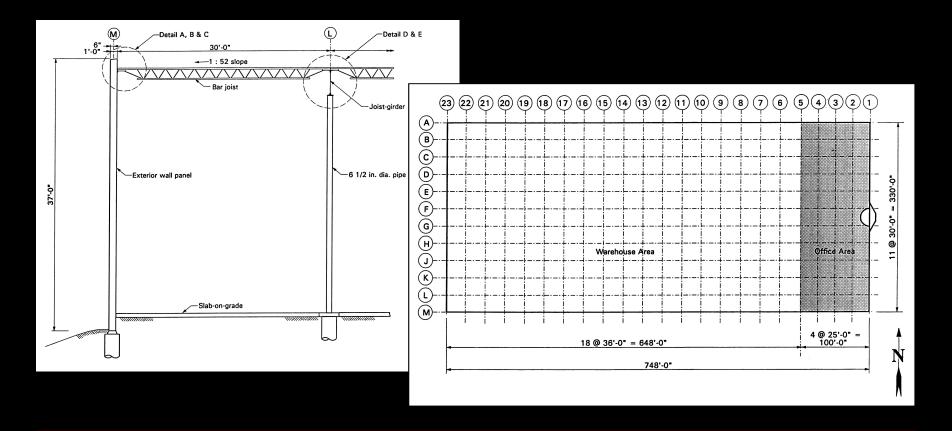
Claim: \$26M



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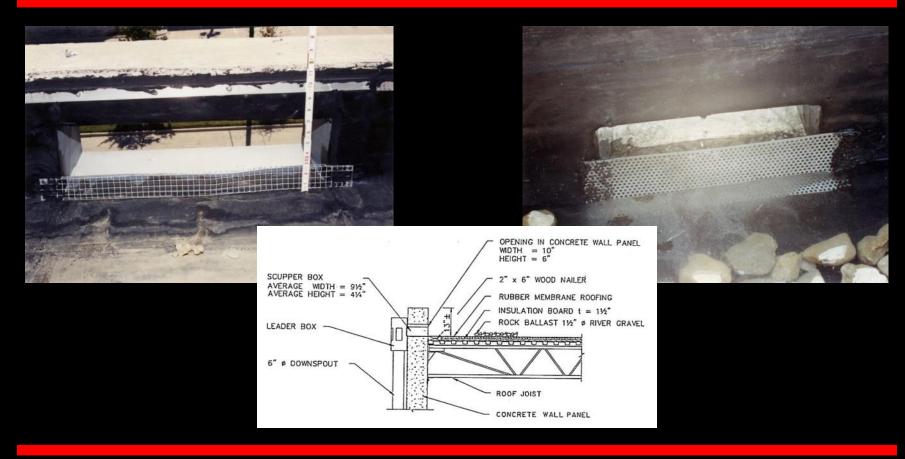




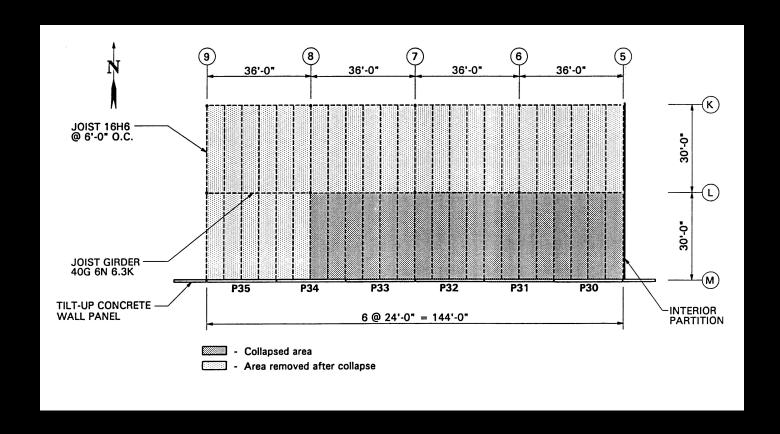
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### **Lessons:**

- Pay attention to roof drainage design and construction.
- Respond to a crisis quickly, gather data and be helpful.

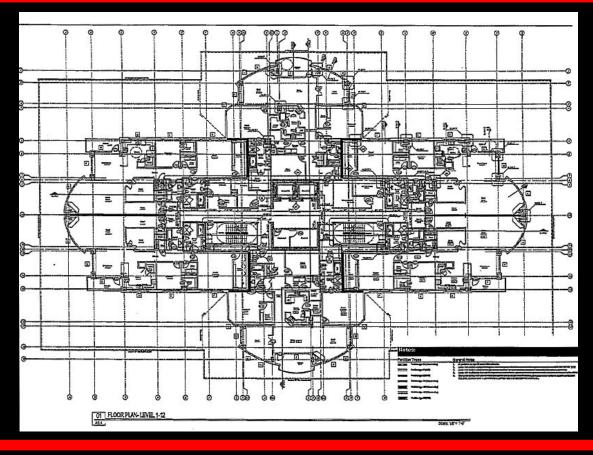
## **Luxury Condominium Tower**

Claim: \$12M



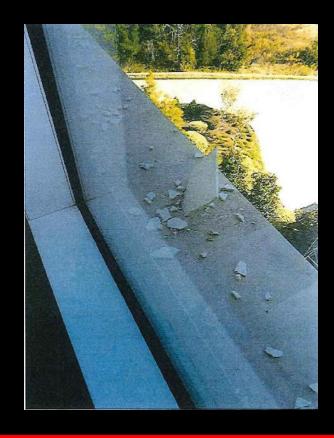


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### **Lessons:**

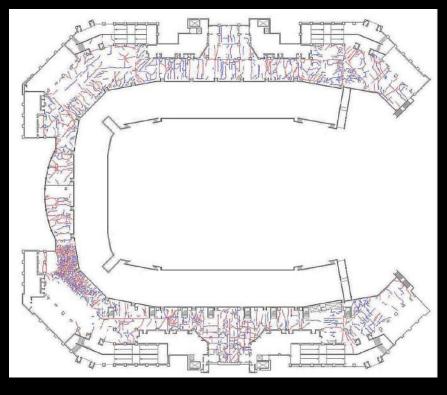
- Practice only within the areas where you are qualified.
- Avoid making a big statement just before you retire.

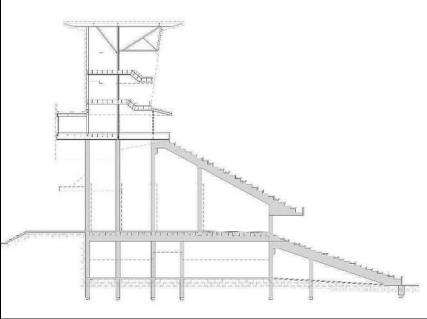
## **High School Stadium**

Claim: \$13M

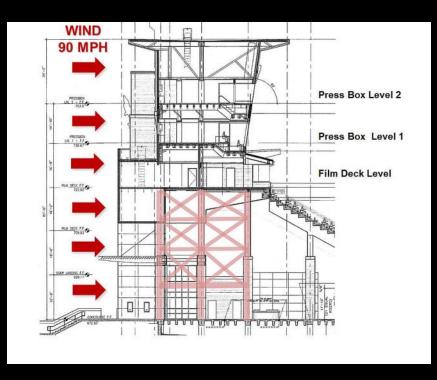


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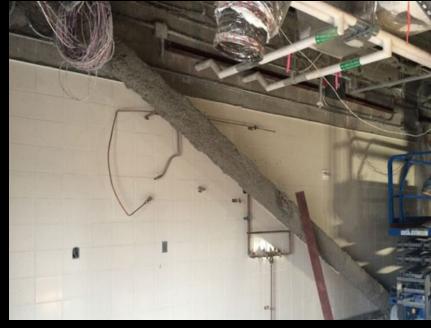
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### Lessons:

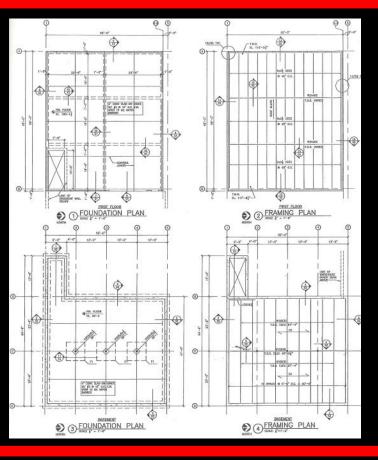
- Carefully check your load paths for gaps ... by hand.
- Don't allow architecture firms to provide SE services.

### **Pet Crematorium**

Claim: \$4M



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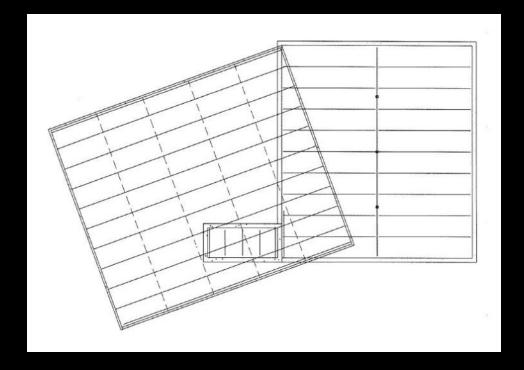


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Failure Mode	AISC Code	Required (A)	Provided (B)	Ratio 24" Soil (A/B)	Ratio 36" Soil (*)
Lateral-Torsional	LRFD	251 FK	190 FK	1.32	1.65
Buckling	ASD	51 Psi	33 Psi	1.54	1.96
Flange: Local	LRFD	210 K	76.1 K	2.76	3.45
Bending	ASD	162 K	50.6 K	3.20	4.06
Web: Local	LRFD	210 K	152 K	1.38	1.73
Yielding	ASD	162 K	101 K	1.60	2.03
Web: Local	LRFD	210 K	140 K	1.50	1.88
Crippling	ASD	162 K	93.1 K	1.74	2.21
Web: Local	LRFD	210 K	64.7 K	3.25	4.06
Compression Buckling	ASD	162 K	43.1 K	3.76	4.78

## Lessons:

- Recognize that project size doesn't matter to lawyers.
- Select your clients like you would select your spouse.

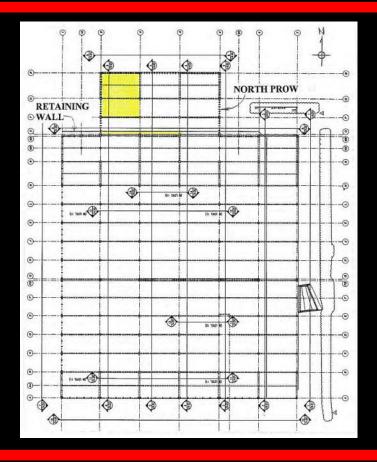
## **Parking Structure**

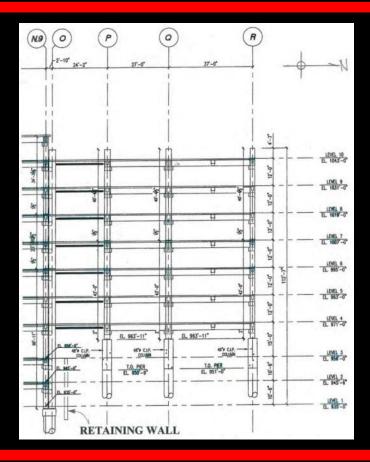
Claim: \$25M



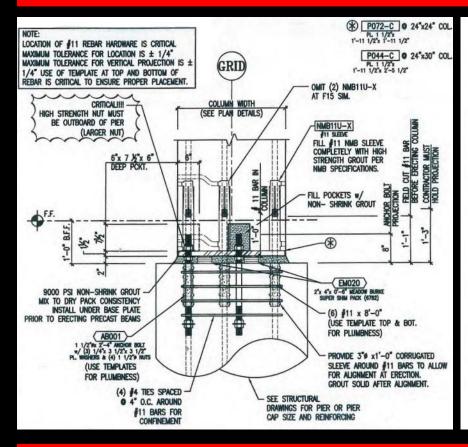


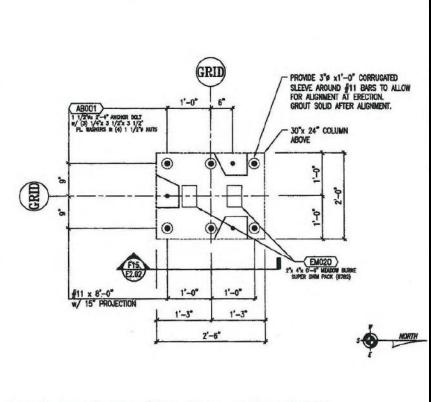
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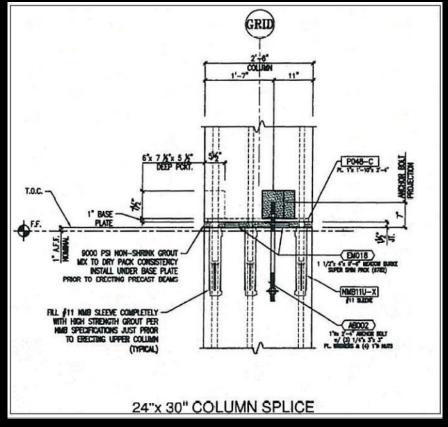


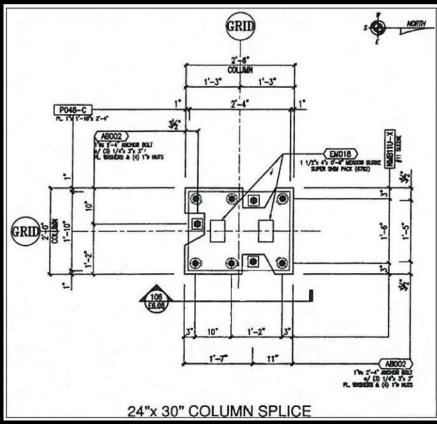
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## **Lessons:**

- Recognize that stability is fundamental to safety.
- Take your construction administration duties seriously.

Scottsdale, Arizona

June 14, 2019

## Thank You!

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