

5 - 8 DECEMBER 2022DUBAI WORLD TRADE CENTRE

ACI 318 PLUS & ACI 318 Certification

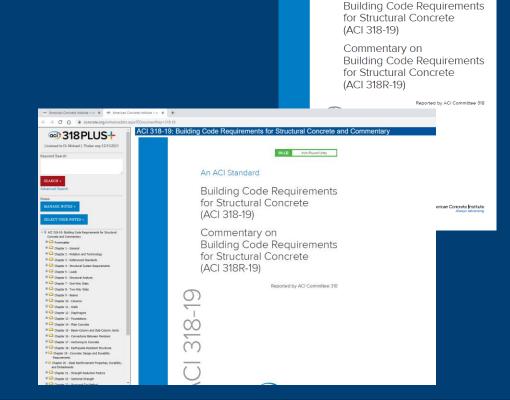
Khaled Nahlawi, PhD, PE

Concrete Talks/December 6, 2022/ACI 318 PLUS & Certification



ACI 318 PLUS

- Needs
- Features
- Product demonstration
- Access
- Future



Inch-Pound Units

An ACI Standard

Needs



Needs

- ACI Knowledge
 Committee documents
 Symposium publications
 Periodicals
 Non-print
- ACI 318
 Most well-known document
 Terse, mandatory language
 Other documents?

ACI PLUS Platform

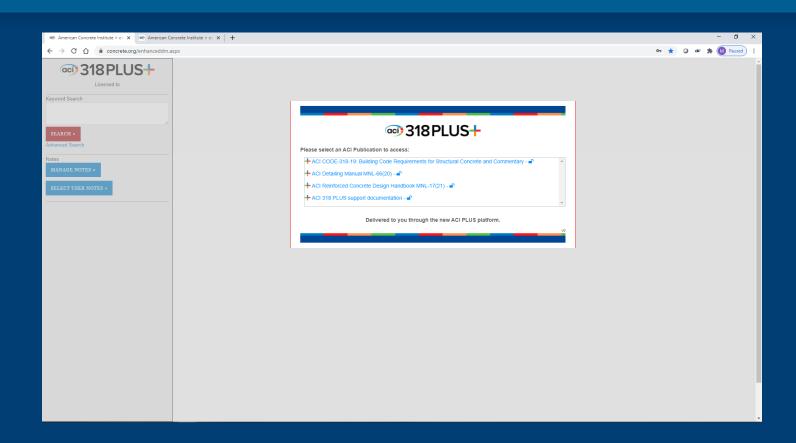
 Use ACI 318 as a guide to ACI resources



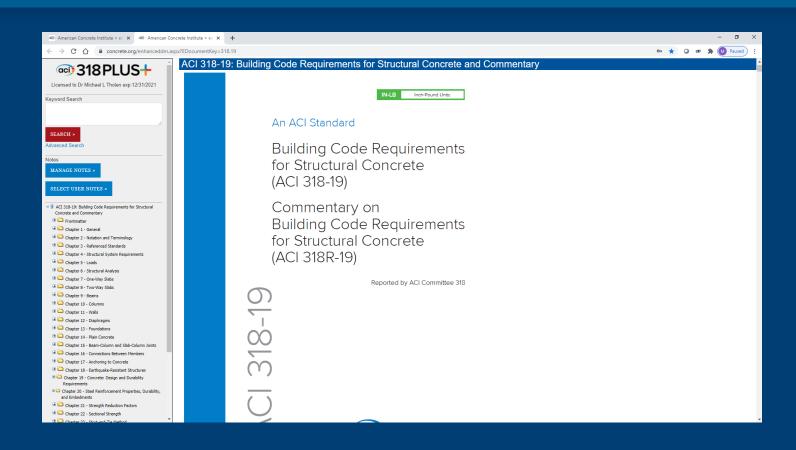
Features

- Web-based
- Connections
- User Notes
- Search
- 3-D Graphics
- More

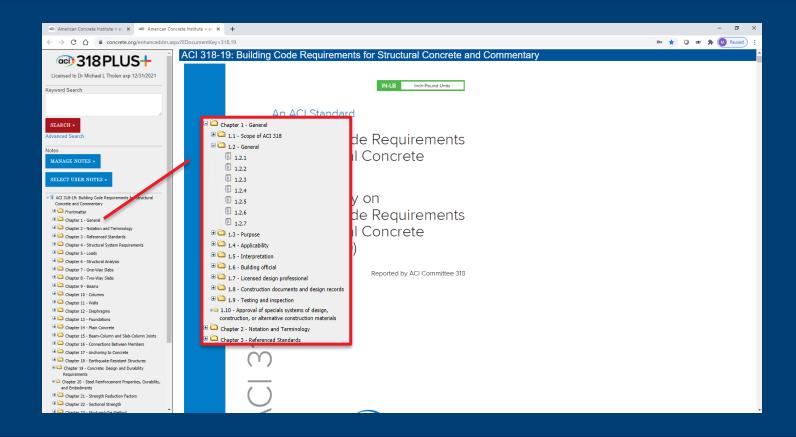
Startup



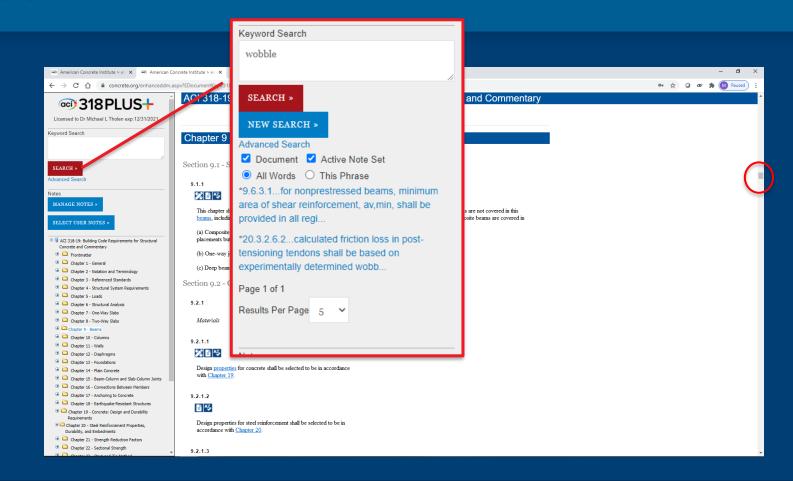
Product Demonstration

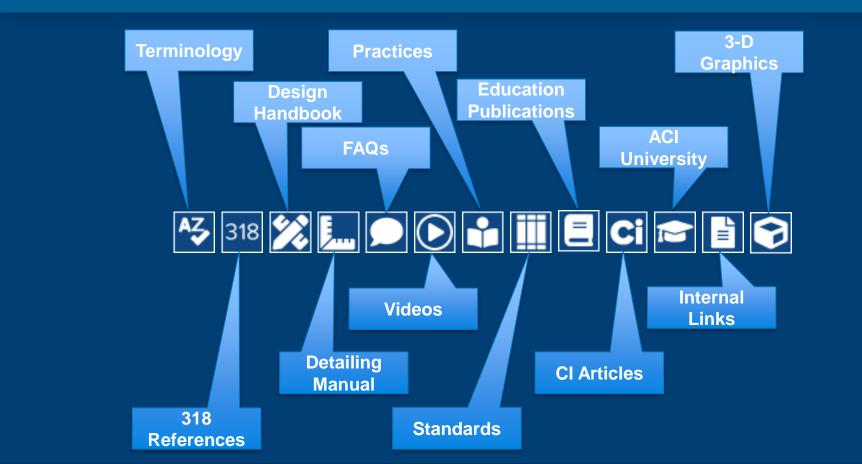


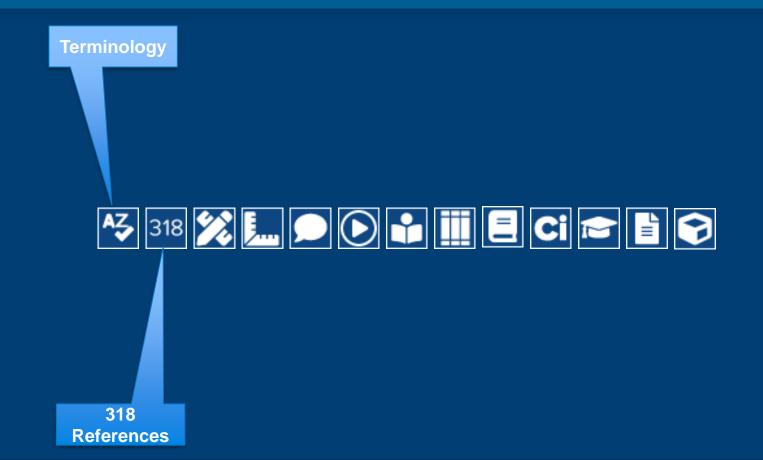
Navigation



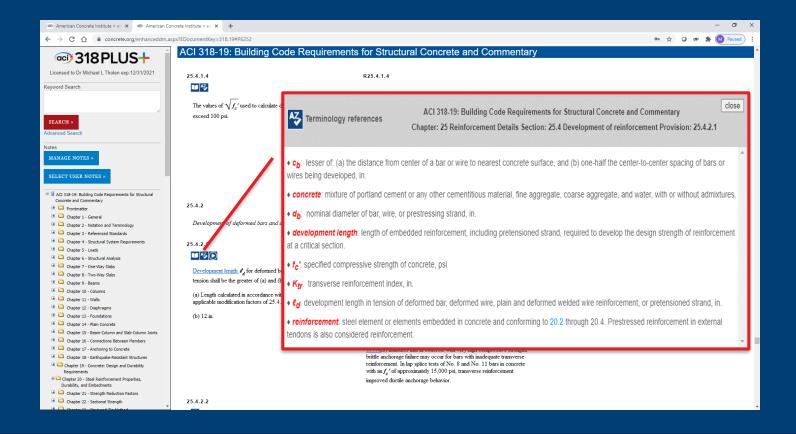
Search



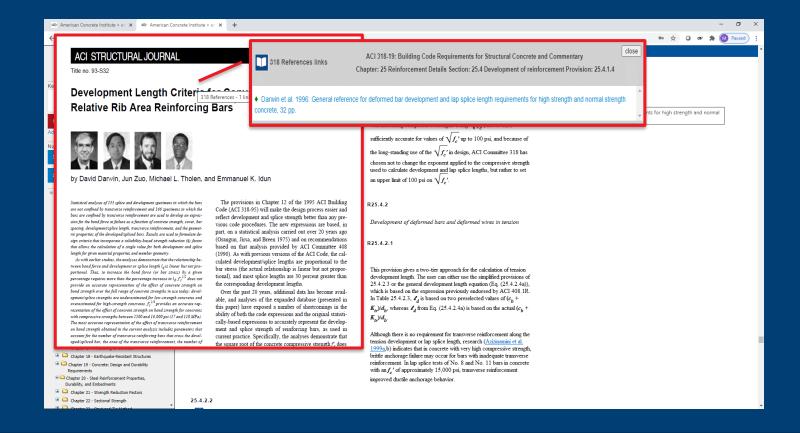




Terminology

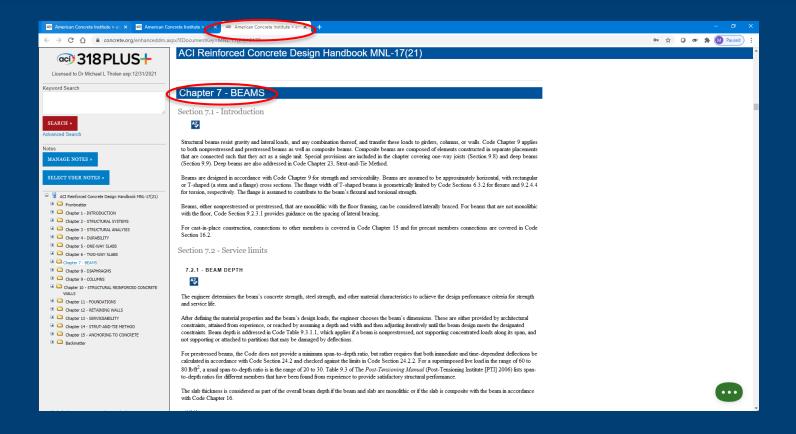


318 References

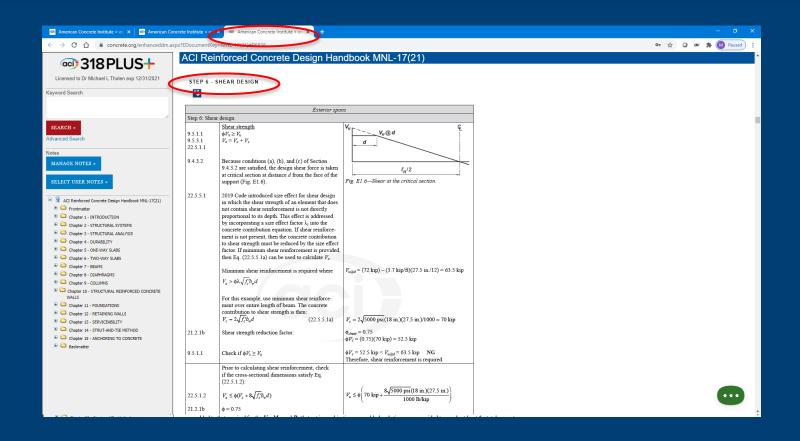




Design Handbook (MNL-17)

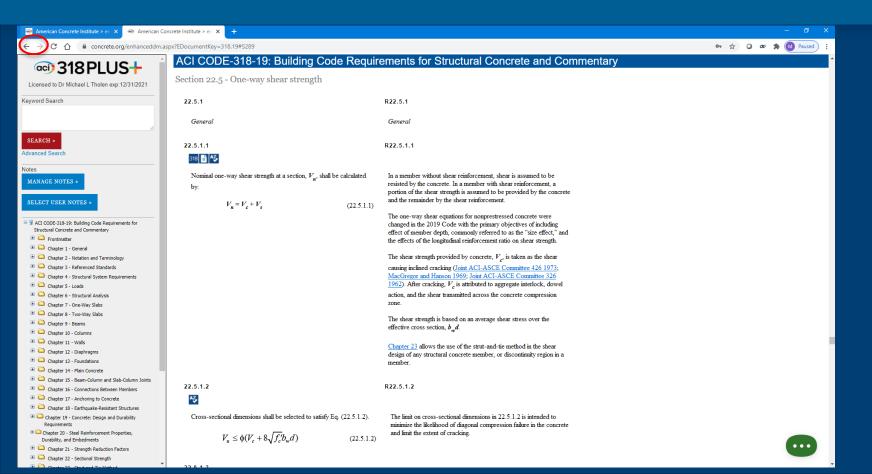


Design Handbook (MNL-17)



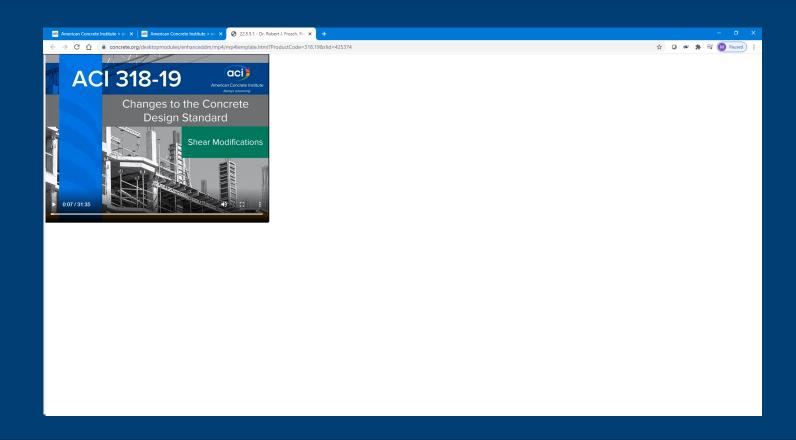


Internal Links



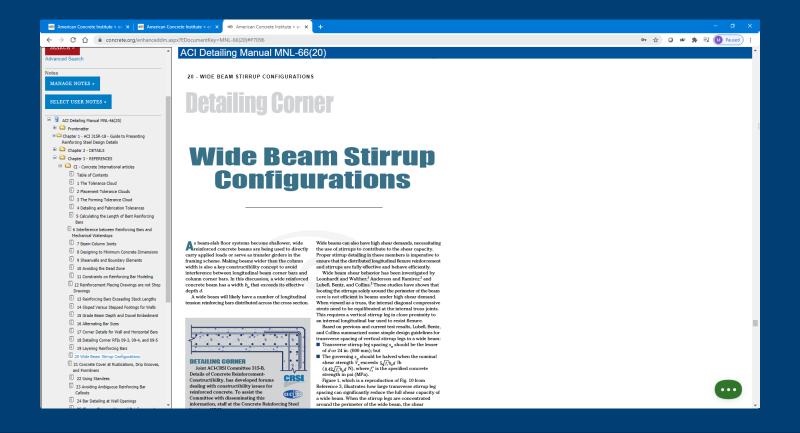


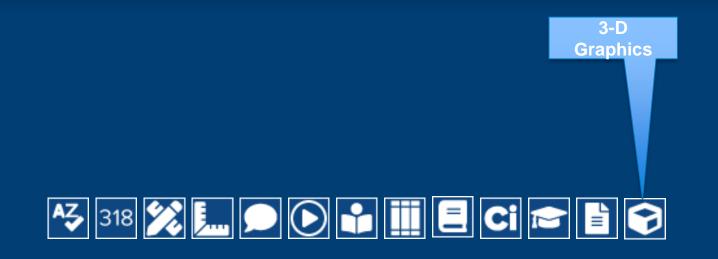
Videos



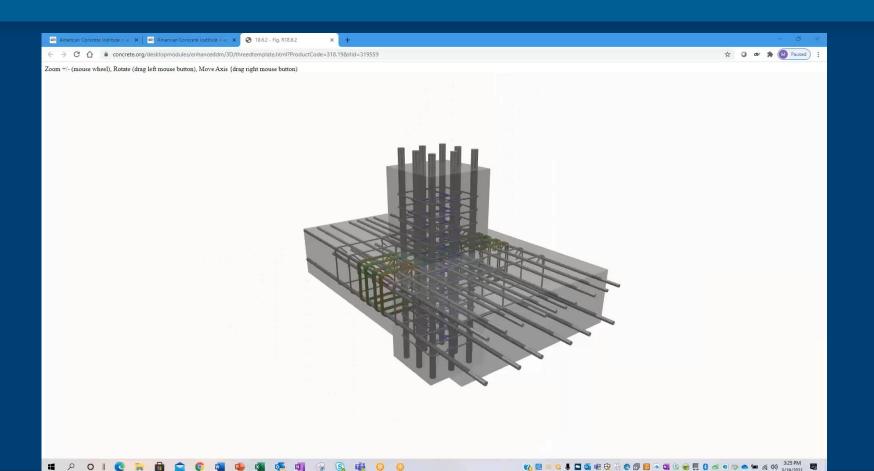


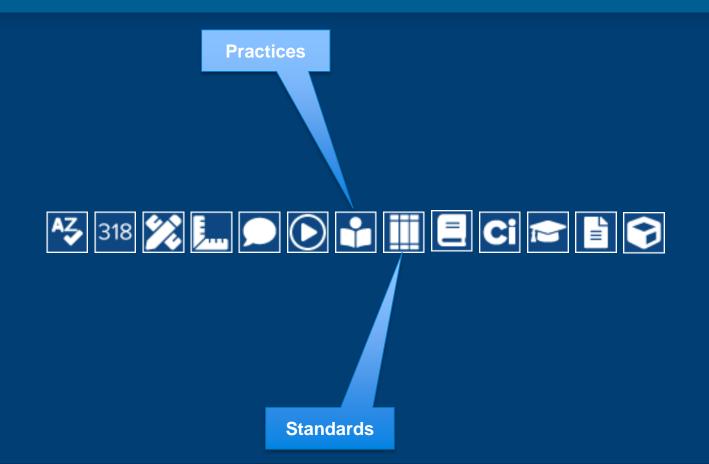
ACI Detailing Manual



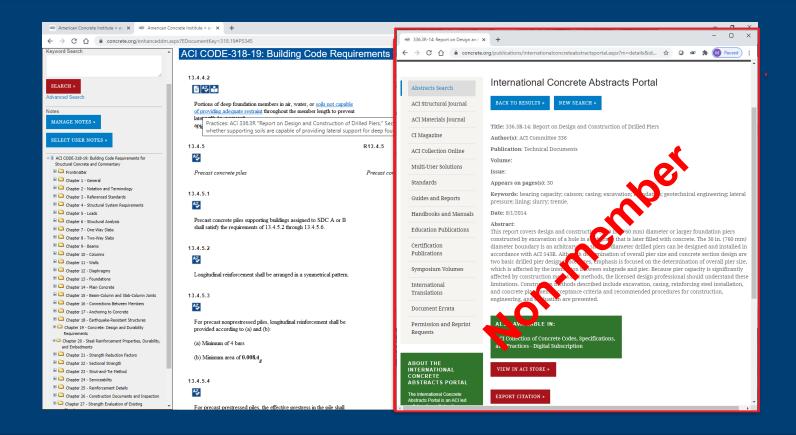


3-D Graphics

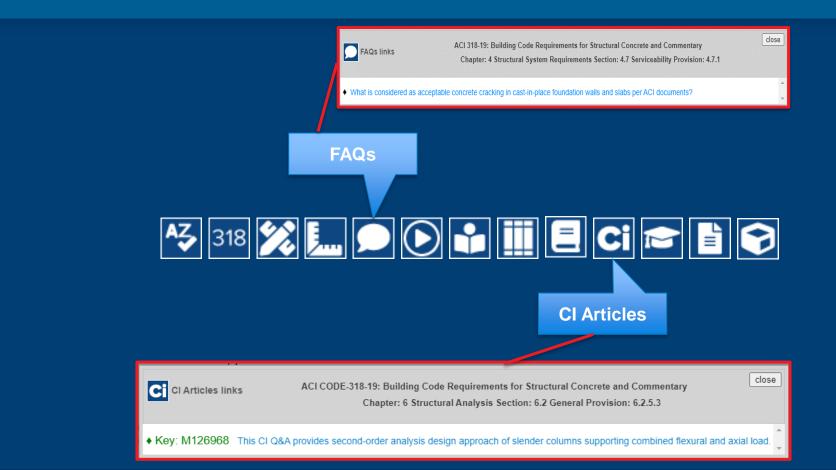




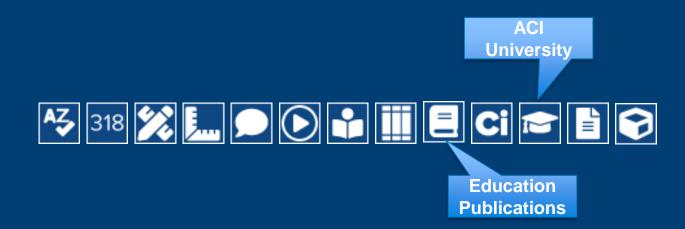
Practices & Standards



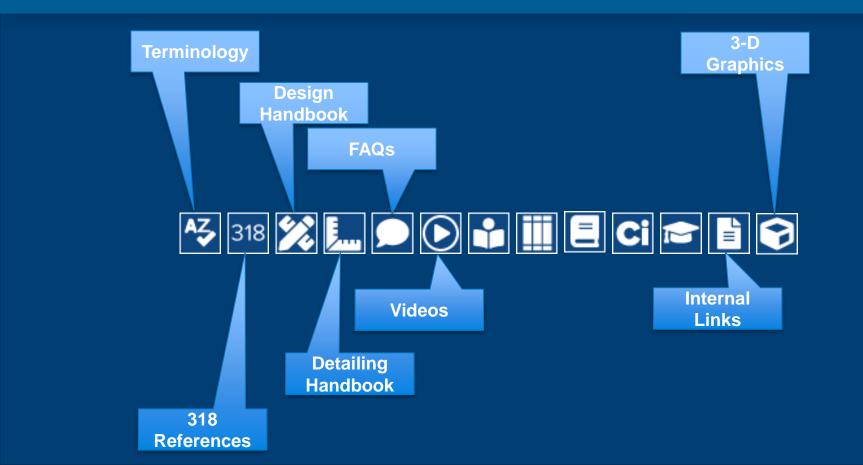
FAQs & CI Articles



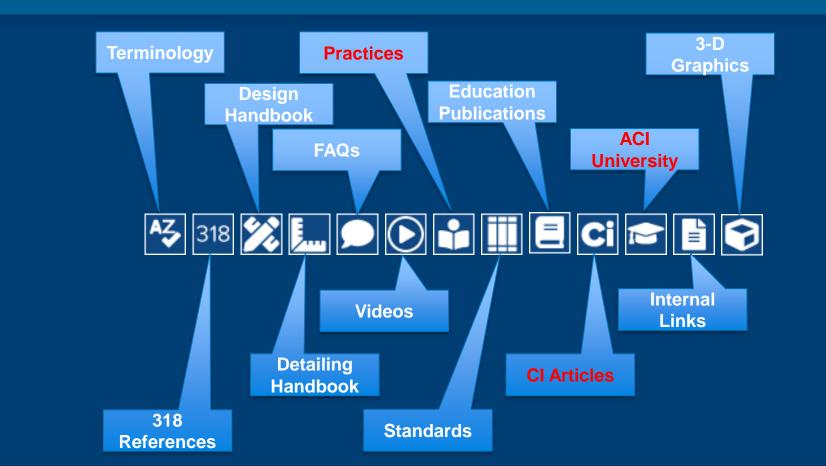
ACI University Courses and Educational Publications

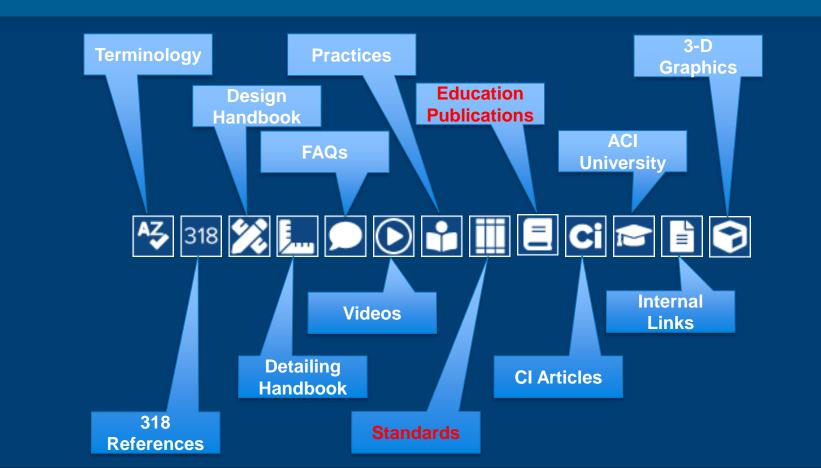


Access – Free to All



Access – Free With Membership

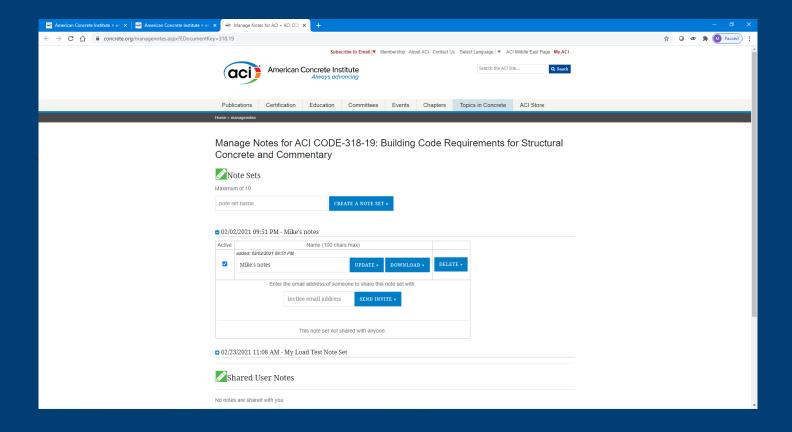




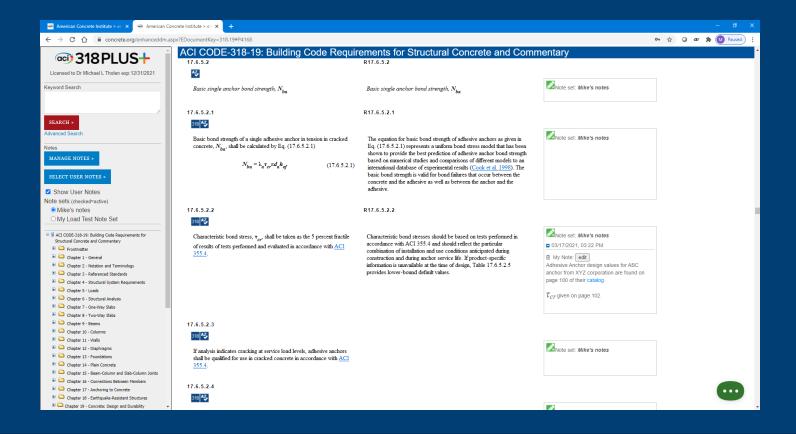
User Notes

- Ability for user customization
- Resources outside ACI
- Up to 10 sets per user
- Shareable
- Allows others to build on the PLUS platform
 - Engineering companies
 - **Professors**
 - Textbook publishers

User Notes



User Notes



Future enhancements

- More documents
- Company or Educator note sets
- Edition comparisons
- Continuous update of draft documents
- SI units

Introduction

- Countries around the world have adopted ACI 318
- Engineers using ACI 318 w/o qualification
- Engineers educated using specific version

Engineers in the US keep abreast through

Seminars

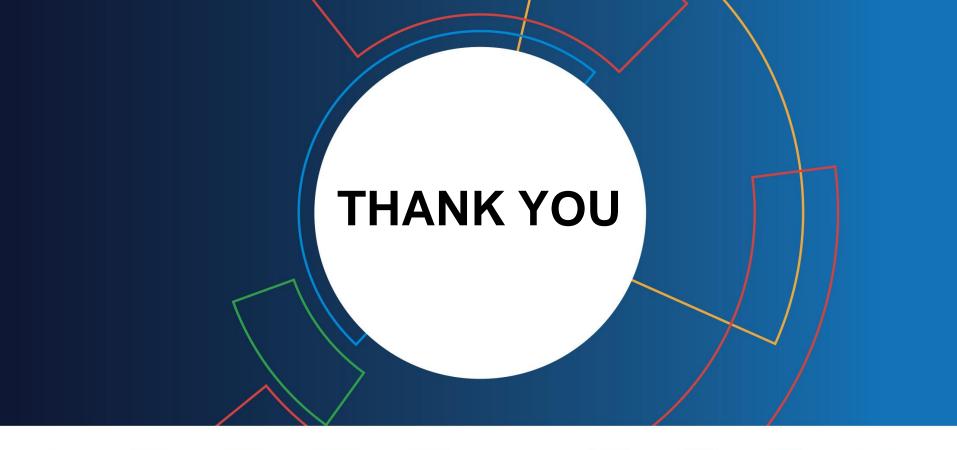


Certification program

- Assessing engineer's understanding of basic concrete fundamentals
- Test individual's knowledge and appropriate application of Code provisions in that particular version

- Engineers certified for the version of ACI 318 on which tested
- Subsequent versions of ACI 318 will require certification

- Study guides:
- MNL-17 Reinforced Concrete Design Handbook
- MNL-66 Detailing Manual
- Concrete Fundamentals























Stone Design Technology

Urban Design & Landscape