



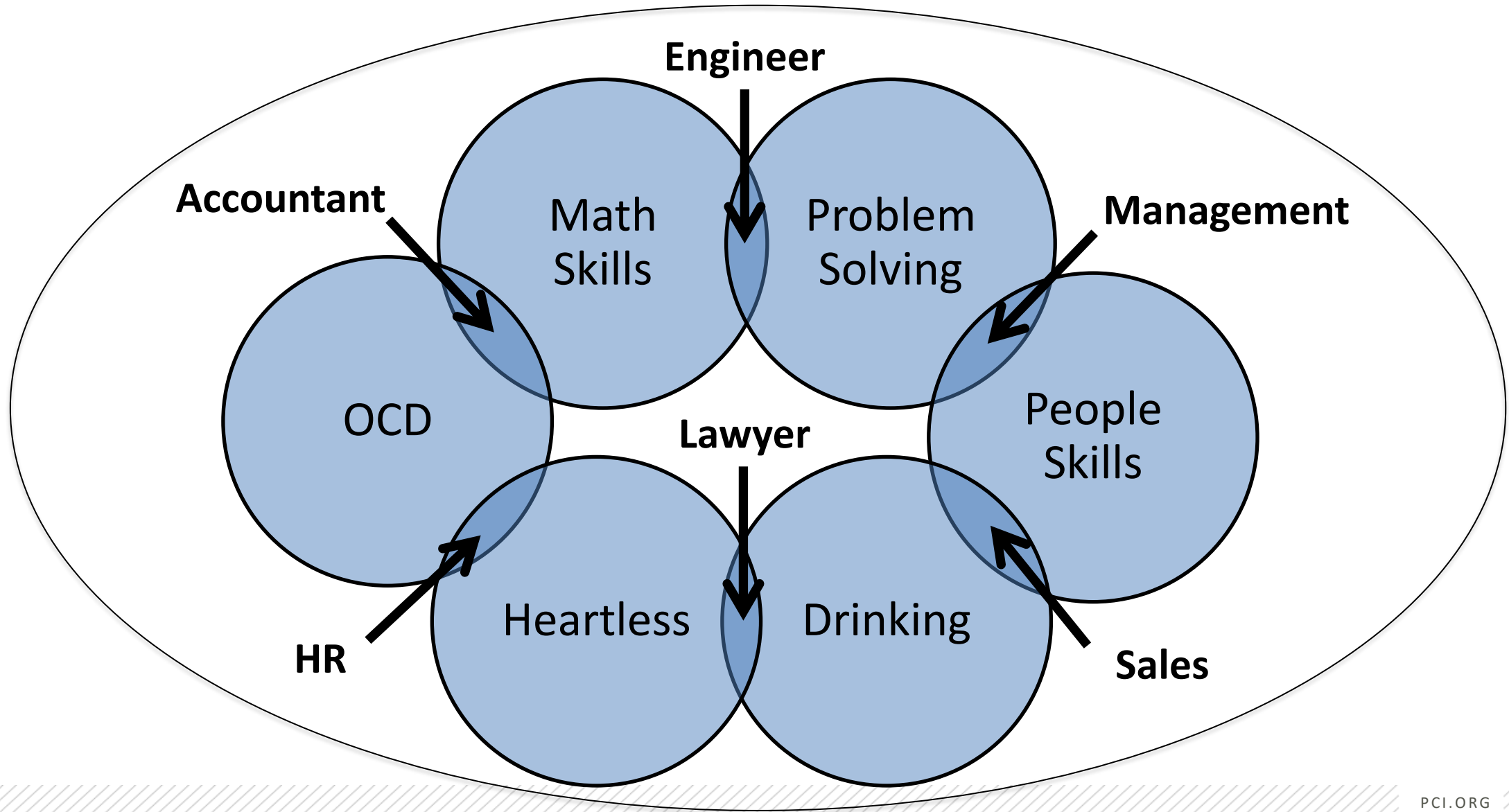
PCI UPDATE

PCI GULF SOUTH

JULY 15, 2022



Association Executive



PCI.ORG

PCI Board Items

- Discussion on Workforce Development
 - New Committee under Business Performance Council
- Approved Updated Strategic Plan
 - Mainly renewed existing plan
 - Updated for ACI-PCI 319
 - Added workforce development strategy
- Approved balanced budget
- Raised Reserves goal from 40% to 50% operating revenue

Renewals

- Certification and Membership Renewals
- On PCI Website
- Membership renewal includes Market Survey

Future Committee Days Locations

- 2022 – Rosemont, IL, Loews
 - Sept. 21-23
 - *Registration Open*
- 2023 – Tampa Bay, J.W. Marriott
- 2024 – Nashville, Renaissance
- 2025 – Rosemont, IL, Loews
- 2026 – TBD
- 2027 – Rosemont, IL, Loews

Production Workshop

*NOT the Tour
Tour is May 2023
Charlotte, NC*

- October 18-20, Milwaukee, WI
Registration open early August
- Subject is Forming
- One day classroom
- One day in plants
 - Product/Process demonstrations
- Oct. 2023 - Production
- Oct 2024 - Finishing & Patching

*Sponsored by the Architectural
Precast Committee*

PCI Awards Nominations Open

- Nominations are open for:
 - PCI Medal of Honor – Aug 5
 - Mario J. Bertolini Leadership and Innovation Award – Aug 5
 - PCI Fellow – Aug 5
 - Distinguished Educator – Jul 15
 - Educator of the Year – Jul 15
- On PCI Website - *Awards*

Workforce Development Opportunities Through PCI

- Productivity Tour
- Marketing & Sales School
- Production Workshops
- Committee Task Groups
(Mentoring)

Government Affairs

- **New Firm in D.C. – Innovative Advocacy**
 - Partnered with NPCA
- 2022 Cement and Concrete Fly-In
 - Workforce Development
 - Climate and Sustainability
 - Low-Carbon Cement
 - Mass Timber
 - Water Resources Development Act
- PCI Issues:
 - Workforce Development/Immigration
 - Mass Timber Pilot in DoD Bill
 - WH Gas Tax Holiday Proposal
 - Interstate Trucking Regulations
 - Specialized Carriers & Rigging Assn.
 - Producer Open Houses



HOW PRECAST BUILDS®

PCI Strategic Plan Progress Report





HOW PRECAST **BUILDS**.

Quality Goal

Maintain and Advance
Certification Programs



Architectural Certification Program Update



- Project Surveys Effective July 1st
- Applicable to category AA and AB-certified plants
- Completed projects specified as AA and AB
 - Minimum 5,000 sf wall panel area
- Online survey
 - Project information submitted via PCI website
 - Architect and GC/CM
 - Distributed by PCI
- Survey results provided to plant
- Do not replace plant customer satisfaction assessments

Certification Statement for Industry

The Precast/Prestress Concrete Institute (PCI) has discontinued the A1, BA, and CA Architectural Precast Concrete certification categories, effective 10/1/2021. Consequently, there will be no PCI-certified plants with these categories after that date. Categories A1, BA, and CA have been replaced with four separate certification categories: AA, AB, AC and AD. Category AT for precast concrete trim pieces remains. All PCI-certified architectural plants are now certified in one of these five categories.

These new categories better align each producer's capabilities with the specific markets they serve and provide industry with assurance of demonstrated PCI precast concrete producer capabilities. The program reinforces superior product quality, with performance criteria for each certification category, which is verified by third-party inspection requirements.

To learn more about these new categories, please refer to the following resources:

- The Precast/Prestressed Concrete Institute website www.pci.org/archcert
- Your local PCI precast concrete producer www.pci.org/certified-plant
- Your Regional Director www.pci.org/regions
- Industry FAQ's www.pci.org/PCI_Docs/Certification/Arch/Industry-FAQs.pdf
- PCI's Director of Architectural Precast Systems, Randy Wilson at rwilson@pci.org

Thank you for specifying PCI certification.

PCI Architectural Certification Program- Brochure

WHAT IS PRECAST CONCRETE?

Precast concrete is manufactured off-site in a factory-controlled environment. With a precisely controlled environment, it can be assured there is minimal expansion and contraction for the highest quality precast concrete products. These components are then transported to the construction site and installed onto the building or structure.

For several decades, architects and designers have understood and appreciated precast concrete's benefits as they have built projects in every market segment and in every architectural style. In addition to its structural and durability features, precast concrete panels can be produced in any shape, size, color and/or texture. From the most basic warehouse to award-winning stadiums, museums and historical structures, architectural precast concrete is the construction market's system of choice.



WHAT IS CERTIFICATION?

Certification is acknowledgement by an independent third party that an object, person, or organization has met stated requirements. For PCI's plant certification program, these requirements include industry, national, and international standards.

Benefits of PCI Certification:

- Reduces risk
- Provides the highest probability of a successful project
- Enables prequalification of bidders
- Helps ensure the finished product meets expectations
- Requires less supervision and field inspection, saving time and money

PCI ARCHITECTURAL CERTIFICATION PROGRAM

The Precast/Prestressed Concrete Institute (PCI) has been administering its certification program for over 50 years and is the most comprehensive, thorough, and specified certification program in the industry. The program is developed, managed, and improved upon with input from over 160 plants in the U.S., Canada, and Mexico, the A/E/C community and specifiers. This gives architects, designers, and owners the peace of mind to know that precast concrete products manufactured in PCI-certified plants meet the strictest quality standards.

The value of PCI's architectural certification program to designers and owners includes helping identify appropriate levels of expected and/or necessary expectations and service life for different project types.



PCI's architectural precast certification program aligns each producer's capabilities with the specific markets they serve. It establishes superior product quality, a third-party inspection mandate, and performance requirements for all certification categories. It also includes criteria for producers that have advanced complexity capabilities and sets more accurate aesthetic and tolerance criteria for structural and industrial applications.

We set, meet, and exceed expectations –

PCI precast concrete producers are embracing technology and applying it to the plant-cast concrete delivery system. Classifying PCI precast concrete producers based on their demonstrated capabilities to produce products of varying complexity shows our commitment to improve and collaborate – and that is *how precast builds*.



PRODUCTION



INSTALLATION



COMPLETION

PCI Architectural Certification Program



[Construction Specifications](#)

[Specification Software](#)

[Manufacturer Solutions](#)

[Buy and Renew](#)

[Company](#)

MasterSpec®

a product of The American Institute of Architects

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**The American
Institute
of Architects**

Strategic Partner

"Deltek has a long history of providing leadership in the architecture and building design industry through delivery of MasterSpec, a product created by The AIA for its members. We are very confident in the capabilities and expertise of the Deltek team as they continue to define our mutual legacy of helping architects succeed."

034500 Architectural Guide Specification

Architectural Precast

These documents provide a basis for specifying in-plant fabrication, including product design not shown on contract documents, and field erection of architectural precast concrete.

 [Guide Specifications: PCI Architectural Certification Category AA](#)

(Microsoft Word Document)

 [Guide Specifications: PCI Architectural Certification Category AB](#)

(Microsoft Word Document)

 [Guide Specifications: PCI Architectural Certification Category AC](#)

(Microsoft Word Document)

 [Guide Specifications: PCI Architectural Certification Category AD](#)

(Microsoft Word Document)

[Learn More about Architectural Precast Concrete](#)

PCI Quality Talks



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[Certification](#)

[Education](#)

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[Directories](#)

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Plant Quality Talks


[Members Only](#) » [Quality Assurance Resources](#) » [Plant Quality Talks](#)


Over the course of producing quality precast concrete members throughout the year, it is necessary to take a moment to reflect on the right ways of doing things. Taking time on a regular basis to consider some quality-control-related topics and production best practices will help continually improve the culture of quality at a production facility.

Use the following Toolbox Talks at least once a month to discuss quality with your production teams. All of the topics included here may not directly relate to your production practices. You are not limited to the topics herein; feel free to use this format to generate toolbox talks that may relate more directly to your needs. Be sure to keep a record of this training.

Quality Talk Series 1 (English)


 [Series 1, Issue 1: Accelerated Curing](#)
(Adobe PDF File)

 [Series 1, Issue 2: Delayed Ettringite Formation](#)
(Adobe PDF File)

 [Series 1, Issue 3: How to Use a Tape Measure](#)
(Adobe PDF File)


 [Series 1, Issue 4: Stressing Operations \(Single Strand\)](#)
(Adobe PDF File)

Charla de calidad serie 1 (Espanol)

 [Serie 1, número 1: curado acelerado](#)
(Adobe PDF File)

 [Serie 1, número 2: formación tardía de etringita](#)
(Adobe PDF File)

 [Serie 1, número 3: cómo usar una cinta métrica](#)
(Adobe PDF File)

 [Serie 1, numero 4: operación de tensión \(un solo cable\)](#)
(Adobe PDF File)



**HOW PRECAST BUILDS®**

PCI QUALITY CONTROL SCHOOLS

JUNE – DECEMBER 2022 SCHEDULE

Level I/II

Virtual, July 18-21

In-person, August 8 – 10, Denver, CO

In-person, October 10 – 12, Orlando, FL

Virtual, November 14 – 17

In Person, December 12 – 14 Nashville, TN

CFA

Virtual, September 12 – 15

CCA

Virtual, September 16

Level III

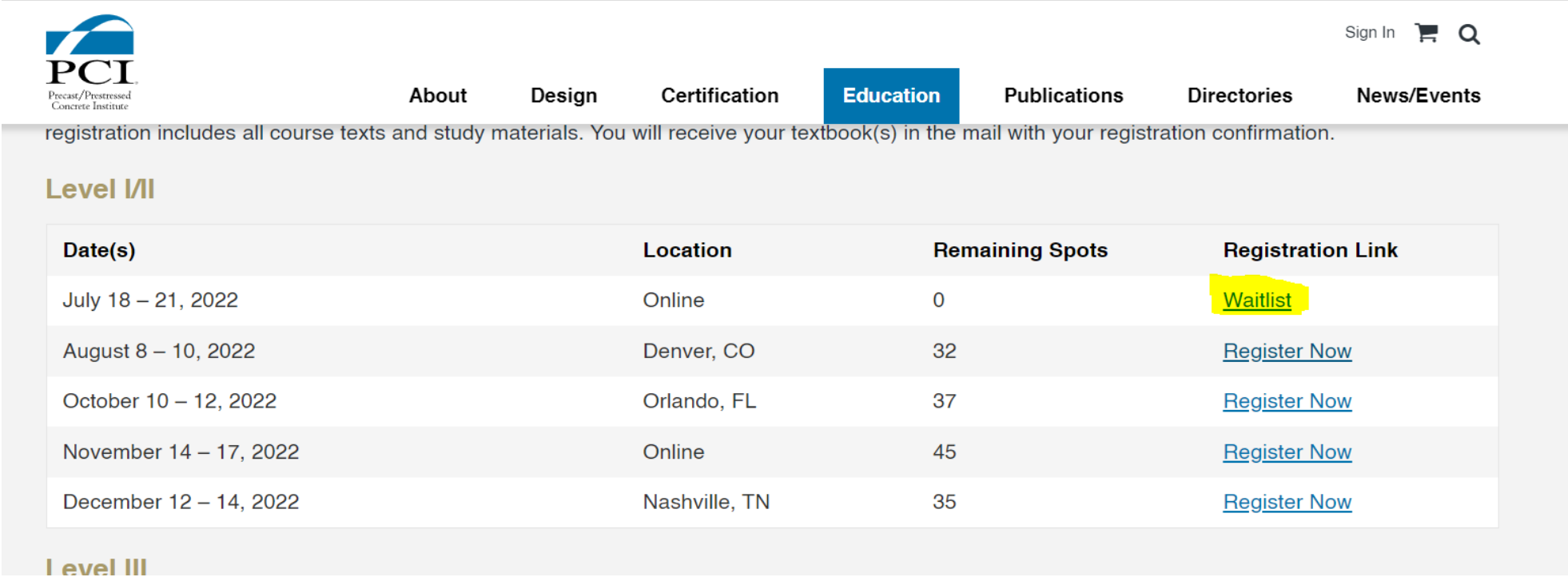
In-person, August 9 – 12, Denver, CO

Virtual, September 6 – 9



In-person, October 10 – 13

In-person, December 12 - 15

PCI QUALITY CONTROL SCHOOLS



PCI
Precast/Prestressed
Concrete Institute

Sign In  

About Design Certification **Education** Publications Directories News/Events

registration includes all course texts and study materials. You will receive your textbook(s) in the mail with your registration confirmation.

Level VII

Date(s)	Location	Remaining Spots	Registration Link
July 18 – 21, 2022	Online	0	Waitlist
August 8 – 10, 2022	Denver, CO	32	Register Now
October 10 – 12, 2022	Orlando, FL	37	Register Now
November 14 – 17, 2022	Online	45	Register Now
December 12 – 14, 2022	Nashville, TN	35	Register Now

Level III

Items required to bring for an in-person QC School:

- Laptop with wi-fi capabilities (with Microsoft Edge or Google Chrome installed)
- TM-101 training manual
- Non-programmable calculator
- Valid photo ID





HOW PRECAST **BUILDS**®

IT Goal

Develop and Maintain
IT Platforms



Committee Central Single Sign-On

Live June 29!

Sign in to Committee Central with your www.pci.org password

Your PCI and Committee Central accounts are now linked into one single sign on.

Use your www.pci.org password to log into Committee Central from now on.

Username

Password

Sign In

[Forgot username?](#) | [Forgot password?](#)



Strategic Goal 2: Increase Relative Market Share of Precast Concrete





2023 PCI DESIGN AWARDS

Submission Site Closes August 9, 2022



Submission fee: \$500 per submission

pci.org/designawards

The PCI-certified precast concrete producer that submits the most projects in each PCI Region will receive two complimentary tickets to the PCI Design Awards Reception at 2023 PCI Convention.

Sponsored by:





HOW PRECAST BUILDS®

AUDIENCE

MARKETS



FOR
CONTRACTORS
OWNERS & DEVELOPERS



FOR
BUILDINGS

Precast concrete construction is the top choice for resilient, efficient, and versatile structures.

ABOUT PRECAST CONCRETE

PROJECT PROFILES

PRECAST COMPONENTS

PCI-CERTIFIED PLANTS

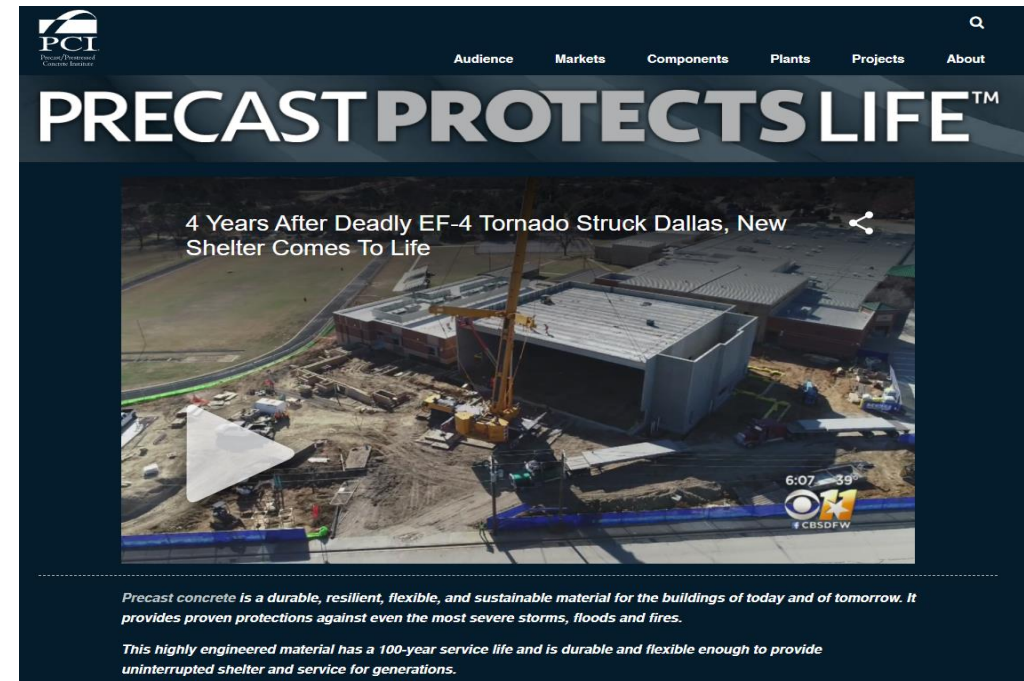
How Precast Builds Website

- External stakeholder facing website
- Customer focused
- Ads and Media are directed to this website

pci.org/howprecastbuilds

PRECAST PROTECTS LIFE™

- Increase awareness of precast concrete to the general public
- Highlight the resiliency factor of precast concrete
- How Precast Builds Microsite
 - Will be located under the How Precast Builds Microsite
 - Launching in late spring
- **Looking for projects, videos, images for the webpages**
 - Please send to marketing@pci.org



PCI Member Video Software

- PCI members will have the opportunity to use a new video and image software for **free this Spring**.
- The software will allow members to upload, record, and edit videos and images, upload licensing forms, and tag content.
- Members who use the software will have access only to their own videos and images.
- We urge members to use this **free tool**, as video and image content is increasingly becoming an important communications tool.

Membership Testimonial

PCI
Precast/Prestressed
Concrete Institute

Your voice as a member is important. We'd love to hear what the membership means to you in your own words. Please tell us your member story in a short video.

Simply click "Start Your Video" below and follow the prompts to begin!

upload
(max 500MB)

Start Your Video >



Earned Media

Recent Coverage Highlights

- *Concrete Products*, April 2022, Precast Issue cover, PCI Chairman's report, PCI Design Awards.
- *Concrete Plants International*, PCI Design Awards Winners, PCI Holds Successful Convention

Future Coverage Highlights

- *Architectural Record*, November and December 2022.

2022 Earned Media – 36 Features

2021 Earned Media – 74 Features

2020 Earned Media – 73 Features




B O D Y O F K N O W L E D G E
S T A N D A R D S , C O D E S ,
A N D S P E C I F I C A T I O N S



PCI Standards in the 2021 IBC

A PCI Standard

PCI 124-18
**SPECIFICATION FOR
FIRE RESISTANCE**
of Precast/Prestressed Concrete



PCI Precast/Prestressed Concrete Institute

IBC[®]
INTERNATIONAL
BUILDING
CODE[®]
A Member of the International Code Family



2021



ICC
INTERNATIONAL
CODE COUNCIL

An ANSI/PCI Standard

ANSI/PCI 128-19
**SPECIFICATION FOR
GLASS-FIBER-REINFORCED
CONCRETE PANELS**



PCI Precast/Prestressed Concrete Institute



ANSI
Improved American National Standards

Standards in Development

- PCI 130 – Specification for Quality Control of GFRC
- PCI 135 – Specification for Tolerances of Precast Concrete
- PCI 142 – Specification for Precast, Prestressed Concrete Piling



HOW PRECAST BUILDS®

Strategic Goal 1:

Develop ACI-PCI 319

Building Code

Requirements for Precast

Structural concrete



PCI®

Precast/Prestressed
Concrete Institute

Standards in Development

- ACI-PCI 319 – Building Code Requirements for Precast Concrete
 - Incorporates PCI Standard Design provisions, including:
 - Dapped and notched ends, continuous ledges, precast corbels, intermediate precast shear walls, diaphragms, torsion and slender spandrel, bearing, effective shear friction, anchorage to concrete, bearing pads, delegated design
- PCI XXX – Design Standard for Precast Insulated Wall Panels
 - Standard criteria for design of fully composite, partially composite, and noncomposite panels.

Standards in Development

- PCI XXX – Standard Practice for Precast Concrete Buildings and Bridges
 - Parallel to AISC Code of Standard Practice
 - Anticipated to include:
 - Contractual requirements
 - Delegated design requirements
 - Standardization of industry procedures



B O D Y O F K N O W L E D G E
H A N D B O O K , M A N U A L S ,
A N D G U I D E L I N E S





HOW PRECAST BUILDS[®]

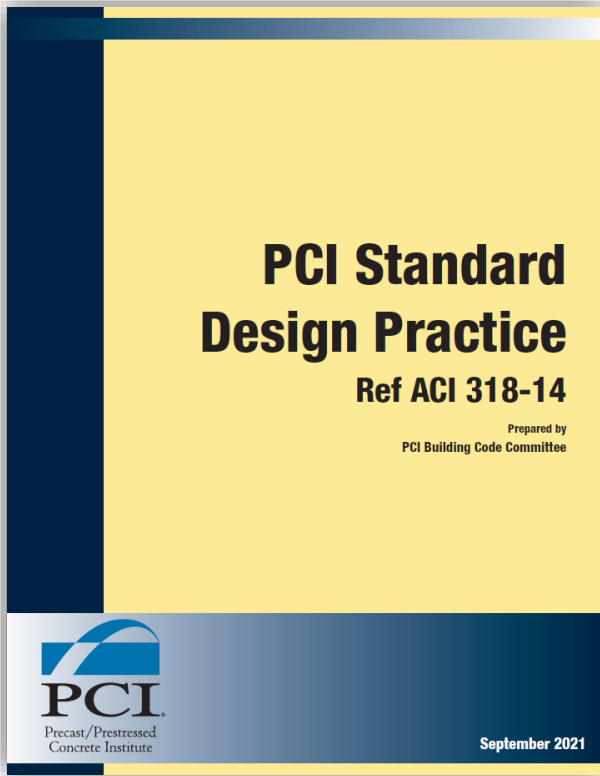
BoK Goal

Develop and Maintain Industry
Body of Knowledge

***50+ “LIVING” DOCUMENTS TO
DEVELOP AND MAINTAIN***




Recent Publications

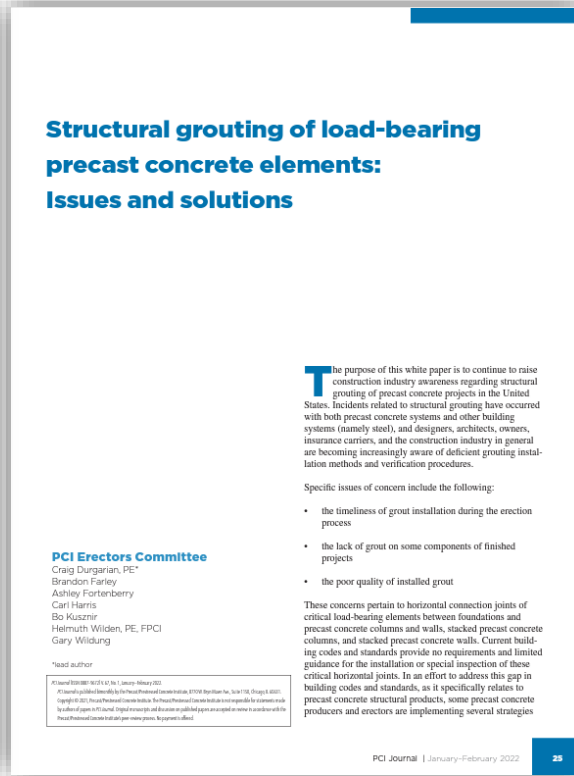


**PCI Standard
Design Practice**
Ref ACI 318-14

Prepared by
PCI Building Code Committee



September 2021



Structural grouting of load-bearing precast concrete elements: Issues and solutions

The purpose of this white paper is to continue to raise construction industry awareness regarding structural grouting of precast concrete projects in the United States. Incidents related to structural grouting have occurred with both precast concrete systems and other building systems (namely steel), and designers, architects, owners, insurance carriers, and the construction industry in general are becoming increasingly aware of deficient grouting installation methods and verification procedures.

Specific issues of concern include the following:

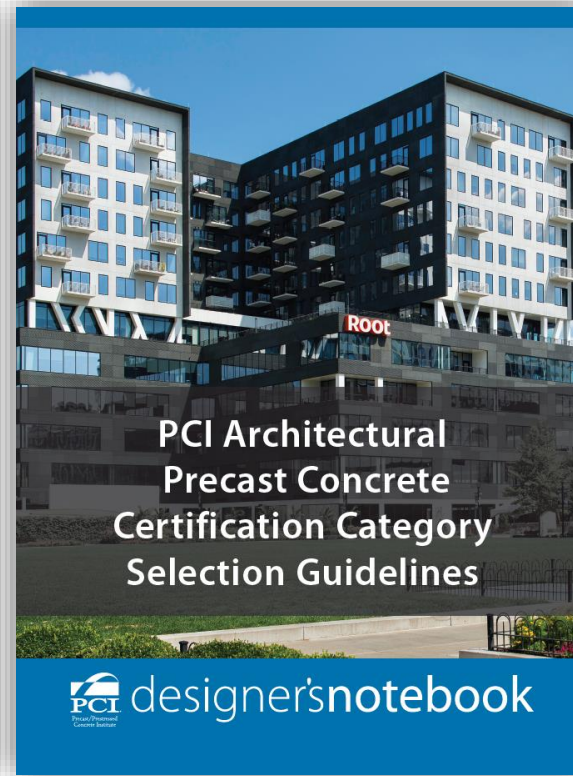
- the timeliness of grout installation during the erection process
- the lack of grout on some components of finished projects
- the poor quality of installed grout

These concerns pertain to horizontal connection joints of critical load-bearing elements between foundations and precast concrete columns and walls, stacked precast concrete columns, and stacked precast concrete walls. Current building codes and standards provide no requirements and limited guidance for the installation or special inspection of these critical horizontal joints. In an effort to address this gap in building codes and standards, as it specifically relates to precast concrete structural products, some precast concrete producers and erectors are implementing several strategies


PCI Erectors Committee
Craig Durganian, PE*
Brandon Farley
Ashley Fortenberry
Carl Harris
Bo Kuszmir
Heinrich Wilden, PE, FPCI
Gary Wildung

*lead author

PCI Journal | January-February 2022 25



PCI Architectural Precast Concrete Certification Category Selection Guidelines



designer'snotebook

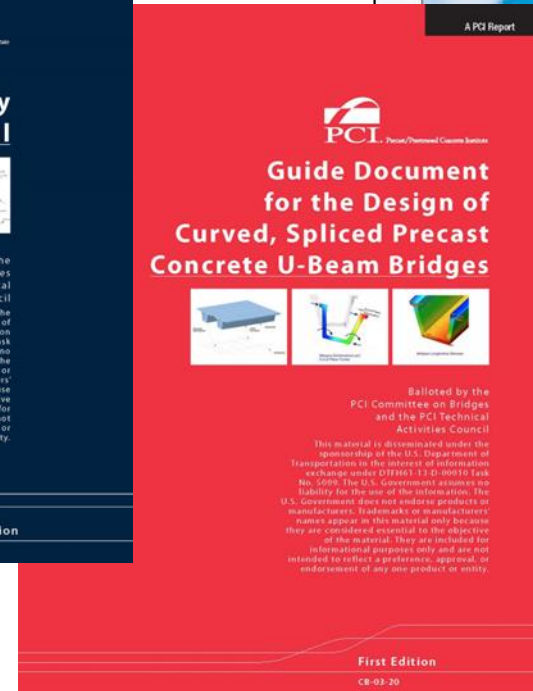
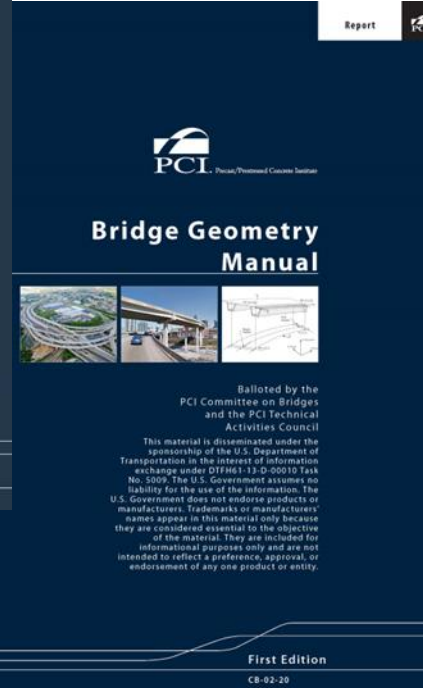
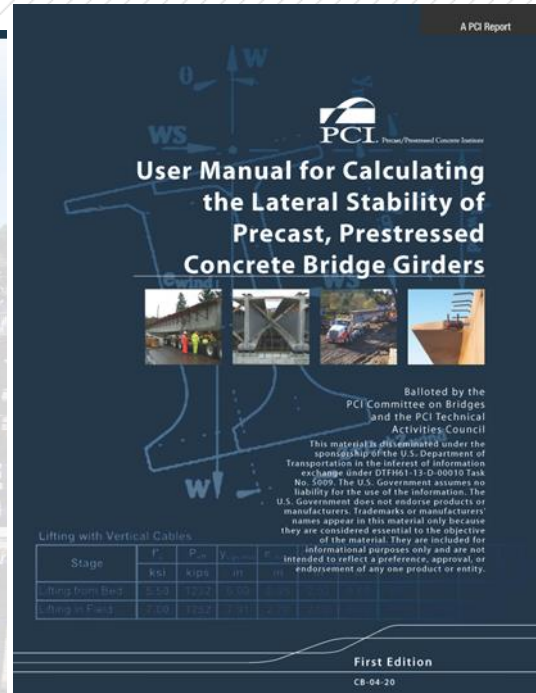
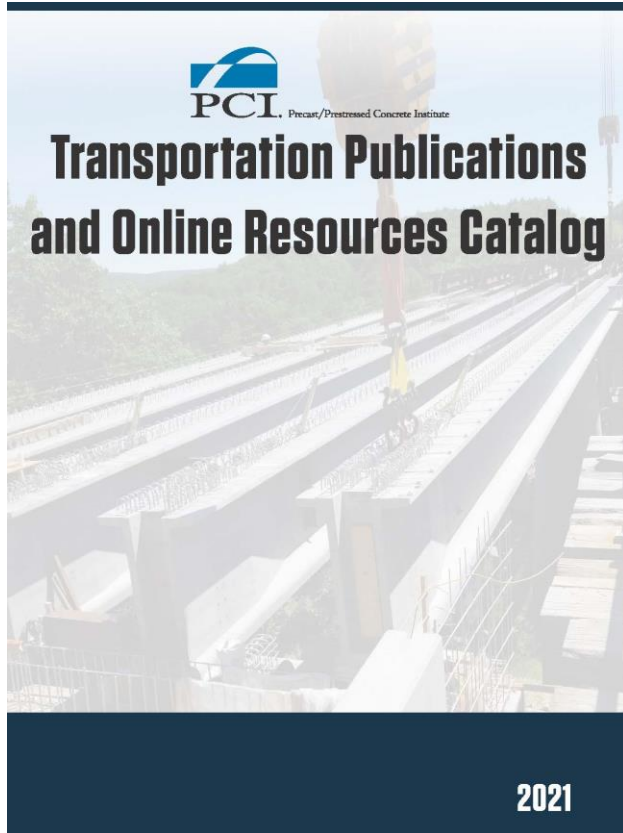
Why Sprinklers Should Not Be Required in Open Parking Structures

A white paper prepared by the PCI Fire Committee

Cheryl Rishcoff, PE, chair
Ali Shrih, vice chair
Matthew Huslig, PE, past chair
Donavon Burns
Mark Cerminara, SE, PE
Mary Ann Griggas-Smith, PE
Paul Kourajian, PE
Gary Lentz, PE
Frank D. Maselli, LPCI
M. Z. Naser
Spencer E. Quiel, PE, PhD
Dusty E. Andrews, PE, TAC Liaison
Stephen V. Skalko, PE, Consultant

Published by the Precast/Prestressed Concrete Institute, July 2021

<https://doi.org/10.15554/wp-21-01>



Link to the transportation catalog:

https://www.pci.org/PCI_Docs/Design_Resources/Transportation_Resources/2021%20Transportation_Catalog.pdf

PCI.ORG



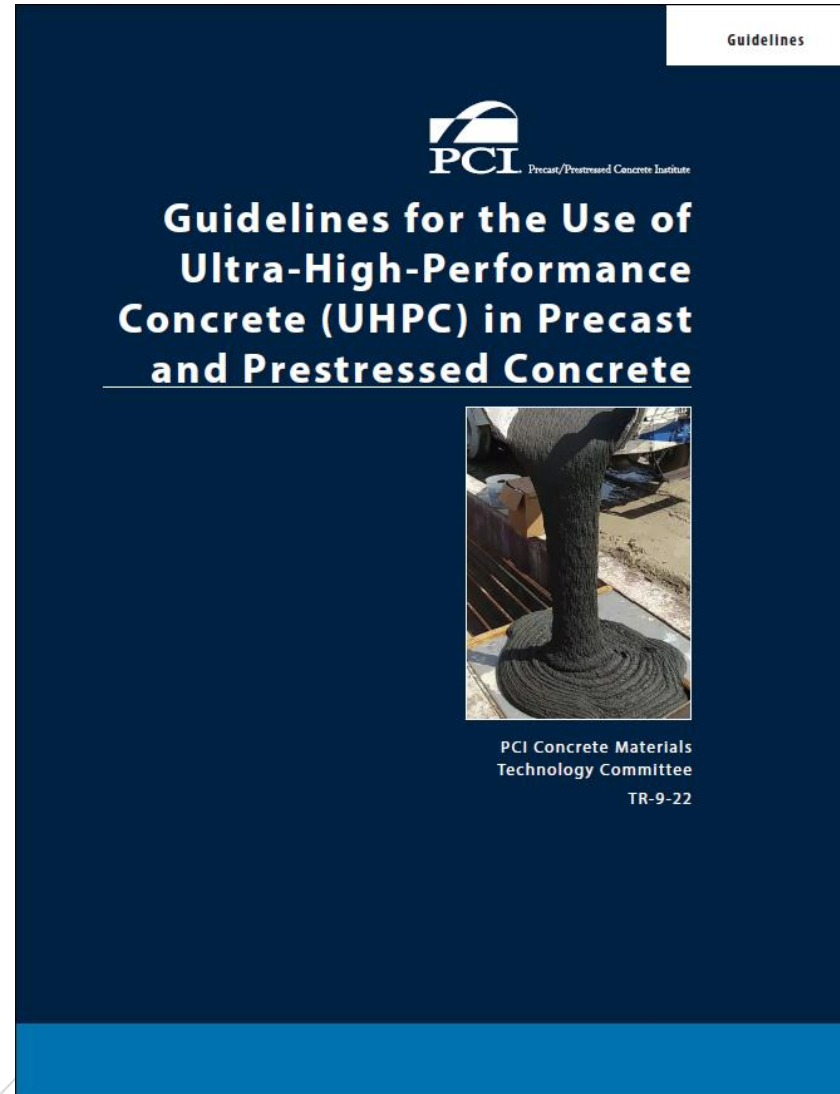
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37

Upcoming Publications

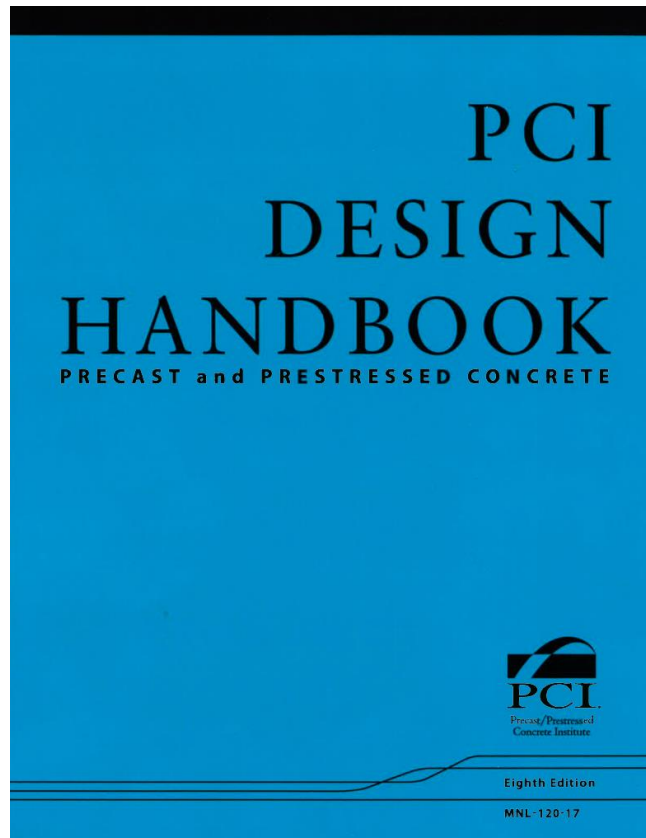
- Guidelines and Guide Specification on Ultra-High-Performance Concrete
- Recommended Practice for Spun-Cast Poles

Upcoming Publications

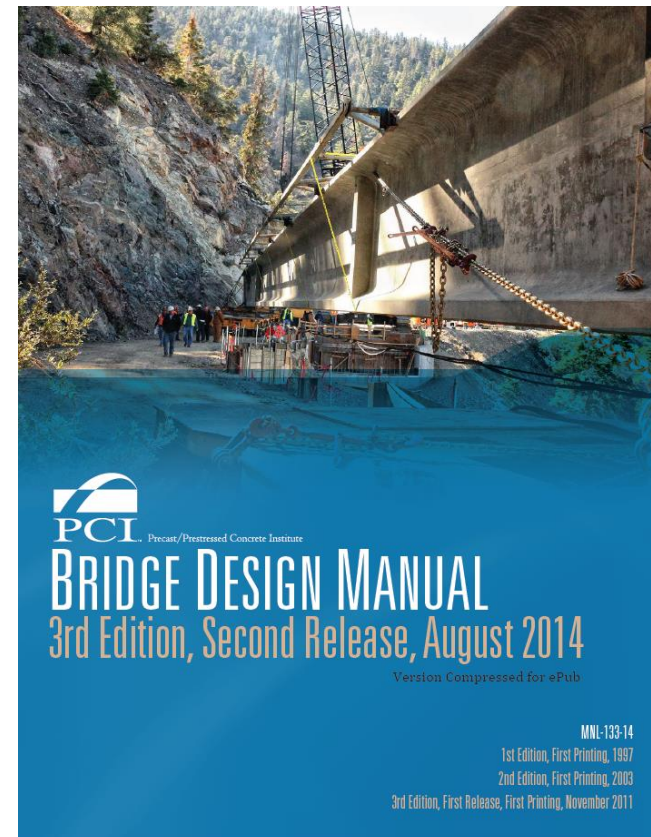


In Development

- Goal: December 2023



- Goal: December 2022



In Development

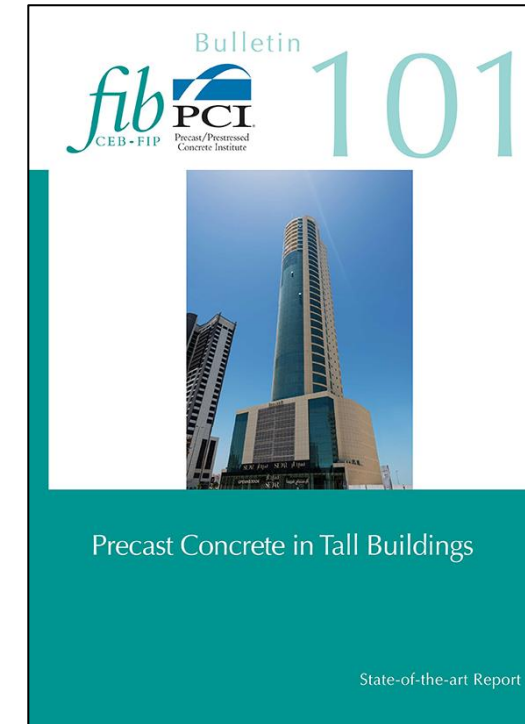
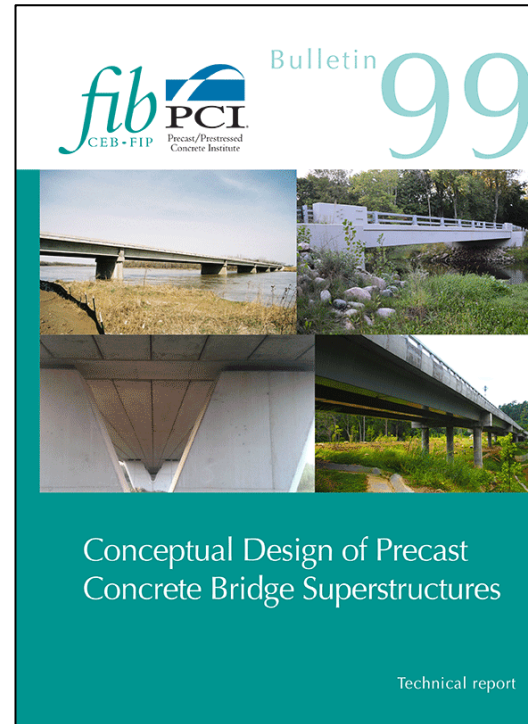
- Recommended Practice for Precast Insulated Wall Panels
- Standard Design Practice for ACI 318-19
- Architectural Precast Concrete
- Hollow Core Manual
- Total Precast Structures

In Development

- Recommended Practice to Assess and Control Strand/Concrete Bonding Properties of ASTM A416 Prestressing Strand
- Guide to the Use of Portland Limestone Cement in Precast Fabrication
- Guide to the Use of Environmental Product Declarations
- Recommended Practice for Precast Concrete Podium Structures
- Market Alert – Sprinklers in Open Parking Structures

Partnership with *fib*

- Recently Published:



- Upcoming

- Lateral Stability of Precast Prestressed Concrete Girders

PCI eLearning Center (LMS)



As part of an ongoing effort to streamline online education, PCI has updated its learning management system, a tool dedicated specifically to precast and prestressed concrete. All courses offered through this system satisfy the continuing education requirements of engineers in all 50 states. As an official AIA provider, PCI can offer architects approved learning units to satisfy continuing education requirements. Be sure to bookmark and visit this page often, as we add more, easy-to-access courses.

Search...

Browse :

- Education
 - Technical (20)
 - Webinar (21)
 - Transportation System Courses (19)

Catalog By Invitation

Sort By Most Recent

Glass Fiber Reinforced Concrete Products

Assessment No Credit

PCI EDUCATION

\$100.00

Jan. – Mar. 20, 2022 Pageviews: 69,775

2022 Unique Pageviews: 39,758

2021 Pageviews: 240,568

Total Courses Published: 175

Courses Started: 14,907

Courses Completed: 11,740





EXTERNAL ORGANIZATION ACTIVITIES



ICC Code Changes

- Participation in code change process for 2024 IBC
 - Group A (Fire, General) in 2021
 - Group B (Structural) in 2022
- Proposals:
 - Relaxed Special Inspection for Welding of Reinforcement (successful)
 - Modified proposals for modular construction (successful)
 - Relax sprinklers in open parking garages (unsuccessful)
 - Increased floor area limits for certain types (unsuccessful)

AASHTO T-10 UHPC

- Efforts to harmonize FHWA and PCI recommendations
 - FHWA is generally more generic and broadly applicable
 - PCI intended conservative and simple (as an entry point)
- Guide Specification to include:
 - Material properties, testing, and quality control
 - Structural design



Questions?

