



**Arizona  
Rock  
Products  
Association**

# **CERTIFICATION OF READY MIXED CONCRETE PRODUCTION FACILITIES**

<b>COMPANY</b> CalPortland Company	<b>PLANT NO.</b> 147B
<b>Plant Address or Physical Location</b> 4850 South 47th Ave, Phoenix, AZ 85041	
<b>Engineer</b> Lauro Rivas, PE	
<b>Inspection Date</b> 01/04/2022	<b>Expiration Date</b> 01/04/2024

**Arizona Rock Products Association  
916 W. Adams Street  
Phoenix, Arizona 85007**

**Submit electronic copy of checklist to [nicole@azrockproducts.org](mailto:nicole@azrockproducts.org)**

# Arizona Rock Products Association Certification of Ready Mixed Concrete Production Facilities

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**ARIZONA  
ROCK  
PRODUCTS  
ASSOCIATION**

*Certificate of Conformance  
for  
Concrete Production Facilities*

It is hereby certified that  
**CalPortland, Plant # 147B**  
**4850 South 47th Avenue, Phoenix, AZ 85041**

has been inspected by the undersigned registered professional engineer  
for conformance with requirements of the "Check List for Ready Mixed  
Concrete Production Facilities." As of the inspection date, the  
facilities met requirements as stated below.

Operation: **Truck Mixing**  
Batching System: **Fully Automated**  
Recording: **Cementitious, Aggregate, Water, Admixture**

  
Executive Director

Arizona Rock Products Association

01/05/2022  
Date signed by ARPA Executive Director

01/04/2022  
Inspection Date

01/04/2024  
Expiration Date



This Company will maintain these facilities in compliance with the Check List requirements and will correct promptly any deficiencies which develop.

Notice: The check list indicates only that plant facilities are satisfactory for the production of concrete when properly operated. Conformance of the concrete itself with specification requirements must be verified by usual inspection methods in accordance with sales agreement.

# 11. CONCRETE BATCH PLANT INSPECTION REPORT

Ready Mix Supplier: CalPortland Date: 01/05/2022  
Plant number: 147B Project Name: n/a  
Plant Location: 4850 S. 47th Ave Phoenix, AZ Project Number: n/a  
Inspector: Lauro Rivas Lab Number: n/a

Directions for the inspector: Place an "x" in the applicable box.

	ACCEPTABLE	NOT ACCEPTABLE	NOT APPLICABLE
<b>MATERIALS/INGREDIENTS</b>			
<b>1. Aggregates</b>			
a. Aggregates transported, separated, stored, stockpiled, and fed to plant correctly (Note 1).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Aggregates meet applicable quality requirements (Note 1).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. Cementitious Materials</b>			
a. Silos are watertight without excessive leakage. Separate storage for cement and flyash.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3. Admixtures/Additives</b>			
a. Admixtures protected to prevent damage from contamination and separation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Admixtures protected from freezing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4. Water</b>			
a. Adequate supply and pressure.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Adequate heating and/or chilling capacity (Note 2).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## BATCHING PLANT

### 5. Scales, Plant Bins, and Weigh Batches

a. Scale Type: Beam-indicating <input type="checkbox"/> Dial-indicating <input type="checkbox"/> Digital-indicating <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Scale display(s) visible to batchman at normal station.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Scales/batchers accurate within applicable tolerances (Note 3).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Scales calibrated within last 6 months.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Separate bins for fine aggregate and each applicable size of coarse aggregate.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Separate scale and weigh hopper for cementitious materials.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. All weigh hoppers freely suspended from scale and charge and discharge properly.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Free moisture in aggregates taken into consideration when determining batch weights.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 6. Water Meter, Water Batchers, or Volumetric Measuring Tank

a. Device for measurement of added water capable of delivering required quantity within applicable tolerances and capable of dispensing in increments as small as one gallon (10lbs. if weighed).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Volumetric measuring tank equipped with a means to check calibration.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



- c. Provide for identifying the particular batch with the corresponding delivery ticket.
  - i. Can be accomplished through corresponding ticket number or control number located on both the delivery ticket and batch record.
  - ii. Can be accomplished through matching multiple categories of load-specific, non-duplicated information such as truck number, time of batch, quantity batched, client, or project identification located on both the delivery ticket and batch record.
- d. Registers individual quantity of ingredients used in each batch of concrete.

#### TICKETING SYSTEM

##### 10. Delivery Ticket Provides the Following Information

- a. Ready-Mix Concrete Company's Name
- b. Plant Number or Designation
- c. Ticket Serial Number
- d. Truck Number or Designation
- e. Purchaser Name
- f. Job Name and Location
- g. Specific Class or Designation of Concrete Mix
- h. Batch Size in Cubic Yards or Meters
- i. Date and Time When Batch was Loaded
- j. Type and Name of Specialty Admixture or Ingredient and Amount Batched
  - i. Would typically include items the client pays extra for.
  - ii. Some examples include:
    - 1. Chilled or Hot Water
    - 2. Accelerator
    - 3. Fibers
    - 4. Color
    - 5. Retarder
- k. A place where extra water added at request of receiver of the concrete can be recorded with his signature or initials.

## 7. Admixture Dispensers

- a. Separate dispenser for each admixture.
- b. Piping free of leaks and properly valved.
- c. Dispensers calibrated within last 6 months.
- d. Visual or gross check for batchman independent of operation of primary metering device.

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## 8. Batching System *\*See definitions below.*

- a. Batch System Type: Manual ☐ Semi-Automated ☐ Fully Automated ☒

## 9. Recording System (recording device which provides a permanent record of batch quantities for each batch of concrete produced.)

- a. Recorders: Cementitious ☒ Aggregate ☒ Water ☒ Admixtures ☒

Recorders shall:

- b. Be properly protected.
- c. Provide for identifying the particular batch with the corresponding delivery ticket.
- d. Register quantity of ingredients batched.

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## TICKETING SYSTEM

### 10. Delivery ticket provides the following information

- a. Ready-Mix Concrete Company's Name
- b. Plant number or designation
- c. Ticket Serial Number
- d. Truck Number or designation
- e. Purchaser Name
- f. Job name and location
- g. Specific class or designation of concrete mix
- h. Batch size in cubic yard or meters
- i. Date and time when batch was loaded
- j. Type and name of specialty admixture or ingredient and amount batched
- k. Place where extra water added at request of receiver of the concrete and his signature or initials.

	Not	Not
ACCEPTABLE	ACCEPTABLE	APPLICABLE
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The referenced plant satisfies the indicated criteria and is capable of producing acceptable concrete. Yes ☒ No ☐

**Notes:**

1. Items 1a and 1b evaluated as follows: Aggregate stockpiles located to prevent contamination and arranged to assure that each aggregate as removed from its stockpile is distinct and not intermingled with others. Separate storage bins or compartments for each size and type of aggregate properly constructed and charges to prevent mixing of different sizes or types. Aggregates meet applicable specifications.
2. For information only; this item not required for approval of plant.
3. Applicable tolerances are consistent with information contained in the latest edition of *ASTM C 94 Standard Specifications for Ready Mixed Concrete*.

**Definitions:**

**Manual Systems** - Batching devices are operated manually. Individual batch target weights, moisture adjustments, and volumetric measuring systems are manually determined and verified by the batch operator. Discharge of the batch is performed manually by the batch operator. These systems are typically assisted by pneumatic, electric or hydraulic power, but may be hand operated.

**Semi-Automated Systems** - These systems provide mechanisms that start the weighing and volumetric measuring devices for the batch. These systems will stop the weighing and measuring upon attaining the required batch tolerances. Discharge of the batch may be automated upon attaining acceptable batch tolerances, or may be performed manually. These systems may or may not include interlocking mechanisms for out of tolerance batches.

**Fully Automated Systems** - A single starting mechanism provides target weights and volumes, begins the weighing and measuring process and ends this process when the targeted batch proportions are within tolerance. Out of tolerance batches must be manually adjusted to within tolerance and/or accepted by the batch operator. Once the batch tolerances are met or manually accepted, discharge of the batch will begin automatically.



## 12. Verification of Inspection and Application for Certification (CONTINUED)

The undersigned, a registered professional engineer in Arizona  
(state, territory, or jurisdiction)

has conducted the inspection of the ready-mixed concrete plant described as \_\_\_\_\_  
Plant 147B - 43rd Ave

(please print specific designation and location of plant)  
4850 S. 47th Ave Phoenix, AZ 85041

and asserts, in his professional judgment, the information provided on this Check List is accurate and complete.  
Application is hereby made for the issuance of a certificate for this plant, to be classified as follows:

### General Operation

- ☒ Truck Mixing  
☐ Central Mixing  
☐ Both

### Batching System

- ☐ Manual  
☐ Semi-Automated  
☒ Fully Automated

### Recording (if any)

- ☒ Cementitious  
☒ Aggregate  
☒ Water  
☒ Admixtures

A Certificate of Conformance cannot be issued if any of the not acceptable boxes from  
**CONCRETE BATCH PLANT INSPECTION REPORT (pg 12 & 13)** are marked with an "X".

1-5-2022

(date)

824305

(NRMCA ID number)

n/a

(date)

n/a

(Asst. to the Engineer  
NRMCA ID number)

Lauro Rivas

(signature of engineer)

Lauro Rivas, P.E.

(name, please print)

n/a

(signature of engineer's assistant)

n/a

(name, please print)

2400 N. Central Ave Suite 400 Phoenix, AZ

(business address, please print)

85004

(zip code)

602-677-4198

(phone number)



(Engineer's Seal)



## **11. Verification of Inspection and Application for Certification**

This inspection was performed to evaluate the ability of the production facilities and the delivery trucks to produce and transport acceptable ready mix concrete. The criteria used for this evaluation was drawn from a number of sources including the guidelines presented in ASTM C 94, technical information presented by the Concrete Plant Manufacturers Bureau, and customary industry and/or agency practice. The specific items evaluated for both the plant and trucks are detailed in the accompanying checklists.

Based on the identified criteria, the inspection of the above referenced plant and trucks indicate that they have the capability of producing and transporting satisfactory ready mix concrete when operated according to the manufacturer's recommendations and standard industry practice. We would recommend that the plant be approved for use on Arizona Department of Transportation projects as well as those administered by other agencies or entities for a two year period from date of inspection, while the acceptable trucks should be approved for a period of one year from date of inspection.