Concrete
Quality Plan

PROJECT:____________________________________

DATE: _________________________

Published by
Ready Mixed Concrete Association of Ontario
365 Brunel Road, Unit #3
Mississauga, Ontario L4Z 1Z5
The Concrete Quality Plan was developed to assist in achieving harmony and understanding between relevant stakeholders relating to a particular contract, on issues dealing with concrete specifications and construction issues.

In today’s world of product and consumer, the quality of products and/or services combined with identification of responsibilities, are becoming increasingly more important to all parties.

The Concrete Quality Plan* consists of the Plan itself, as well as Appendices – specifically:

- Appendix A – Certificate of Concrete Production Facilities (Sample)
- Appendix B – Requirements of RMCAO Certification Program
- Appendix C – Pre-Pour Meeting Form
- Appendix D – Concrete Requirements (Ordering Form)
- Appendix E – Non-Conformance – Concrete Field Testing Form

- **Certificate of Concrete Production Facilities** – is available from the Ready Mixed Concrete Association of Ontario. This qualification program, certified by a third party Professional Engineer (Ontario), inspects and verifies the capabilities and conformance of plants, equipment, materials, material handling & storage, product standard deviation, and scale calibration. The Certificate provides the Owner/Specifier with the highest assurance of quality.

- **Pre-Pour Meeting Form** – was developed in conjunction with the Ontario General Contractors Association (OGCA), to eliminate duplication or misunderstanding on all items concrete related.

- **Concrete Requirements Form** – developed to address “Performance Specifications” and in conjunction with Canadian Standards Association Standard A23.1 – Concrete Materials and Methods of Concrete Construction and CSA A23.2 – Methods of Test for Concrete. CSA Standards, like the National Building Code, is moving toward Objective-Based or Performance-Based Specifications. The Concrete Requirements Form clearly identifies which items are Specification related and what issues are Construction based, therefore eliminating confusion or misunderstanding.

* Publications available from the RMCAO upon request.

All of these publications are the sole property of the RMCAO.
1. Project Identification

PROJECT IDENTIFICATION
Name ____________________________________________________________
Address ____________________________________________________________________________

PROJECT SCHEDULE
Project Start Date __________________________________________________________________
Project Completion Date ________________________________________________

CONCRETE SUPPLIER
Name _________________________________________ ____________________________________
Address ___________________________________________________________________________
Contact ___________________________________  Phone _________________________________
Fax ______________________________________  Email _________________________________

GENERAL CONTRACTOR
Name ____________________________________________________________
Address __________________________________________________________________________
Contact _______________________ ____________  Phone _________________________________
Fax ______________________________________  Email _________________________________

ENGINEERING COMPANY
Name ____________________________________________________________
Address __________________________________________________________________________
Contact _______________________ ____________  Phone _________________________________
Fax ______________________________________  Email _________________________________

ARCHITECT
Name ____________________________________________________________
Address __________________________________________________________________________
Contact _______________________ ____________  Phone _________________________________
Fax ______________________________________  Email _________________________________
Concrete Quality Plan

2. General

2.1 Payment
The Contractor shall agree to full compensation payment to the Concrete Supplier in a timely manner, for the concrete delivered on the job based on the acceptance of the concrete agreed to in the Concrete Quality Plan.

2.2 Submission Of Plan
The Concrete Supplier shall submit the following to the Contractor prior to the supply of concrete:
   a) A valid “Certificate of Ready Mixed (or Mobile Mix) Concrete Production Facilities” as issued by the Ready Mixed Concrete Association of Ontario. The “Certificate” addresses material conformity, material handling, batching, scale calibration, discharge, truck mixers, delivery procedures and owner assurance. (See Appendix A,B)
   b) A complete Concrete Quality Plan that addresses the following: 1) material, facilities, personnel, testing, etc. and quality aspects of the work; 2) be signed by an officer of the company; and 3) name the individual responsible for administration of the Concrete Quality Plan.

2.3 Acceptance/Rejection Of Plan
The Plan will be accepted when the Contractor and the Concrete Supplier have both signed and dated the document.
   a) Changes to the Plan will only be accepted upon both the Contractor and the Concrete Supplier acceptance, indicated by initials and final signatures.
   b) If, for any reason, the Contractor is found to be in default of the Contract, the Contractor is responsible for the payment of any testing costs borne by the Concrete Supplier as they pertain to the Concrete Quality Plan and the contract.

2.4 Personnel
Contractor Plan Administrator __________________________________________________________
Concrete Supplier Plan Administrator ____________________________________________________

3. Materials
Materials used in the production and manufacture of concrete shall be the responsibility of the Concrete Supplier and be in accordance to “Certificate of Ready Mixed (or Mobile Mix) Concrete Production Facilities”.
   a) Non-Conforming Materials - The Concrete Supplier will immediately notify the Contractor if any materials are found to be in non-conformance.
   b) The Concrete Supplier retains the right to make any changes and/or alterations to the mix design, in order to maintain or improve quality of the product delivered. The Concrete Supplier retains the right to refuse a request by sub-contractors or any unauthorized persons, to alter any mix for the issues of use, quality or performance.

4. Concrete Plant Facilities
4.1 Plant Locations
Primary ___________________________________________ Phone ________________________
Secondary _________________________________________ Phone ________________________
Contact Person(s) ________________________________________________________________

September 2001
5. **Acceptance and Rejection of Concrete**

5.1 **Plastic Concrete**
   a) Shall be accepted according to CSA A23.1/2
   b) Reasons for Acceptance/Rejection if other than CSA A23.1/2 ____________________________________

5.2 **Hardened Concrete**

5.2.1 **Air Void System (AVS)**
The Concrete Supplier shall demonstrate, if required in the concrete specification, through past performance records or in a trial mix, that the proposed concrete mix can produce an Air Void System in the hardened concrete, meeting the requirements of CSA A23.1, section 14.3 Air Entrainment.
   a) The AVS testing shall be done according to CSA A23.1, section 17.1.2 procedures.
   b) The Concrete Supplier shall be responsible for the AVS, only to the point of discharge of concrete from the R/M truck.
   c) Testing shall be carried out on cylinders made from concrete as delivered to the jobsite.
   **Note:**
   (1) 21-day minimum testing time required.

5.2.2 **Rapid Chloride Permeability (RCP)**
The Concrete Supplier shall demonstrate, if required in the concrete specification, through past performance records or in a trial mix, that the proposed concrete mix can produce rapid chloride permeability (RCP) in the hardened concrete, meeting the requirements of CSA S413 or the project specifications.
   a) The RCP testing shall be done according to ASTM C1202.
   b) The Concrete Supplier shall be responsible for the RCP, only to the point of discharge of concrete from the R/M truck.
   c) Testing shall be carried out on cylinders made from concrete as delivered to the jobsite.
   **Note:**
   (1) 35-day minimum testing time required.

5.2.3 **Other Performance Criteria**
Both Contractor and Concrete Supplier shall agree to any other identified concrete performance criteria as per the requirements of the specification prior to the start of the project.

6. **Inspection Responsibilities**

<table>
<thead>
<tr>
<th>R/M Facilities</th>
<th>supply valid RMCAO Certificate of Concrete Production Facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Placing/Consolidation</td>
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<tr>
<td>Finishing/Curing</td>
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<tr>
<td>Field Testing</td>
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</tr>
</tbody>
</table>

7. **Testing**

7.1 **Concrete Test Reports**
Contractor shall advise test laboratory to immediately forward all copies of concrete test reports to the Concrete Supplier, as per the requirements of CSA A23.1, section 17.1.3. Test results not submitted to

*September 2001*
the Concrete Supplier within 5 working days of completion, will not be accepted.

7.2 Additional Testing
The Concrete Supplier, as directed by the Contractor, shall carry out additional testing. The Contractor shall reimburse the Concrete Supplier for these additional costs if the product is found to be in compliance with the project specifications.

7.3 Plastic Concrete
All Concrete shall be sampled and tested in accordance with CSA A23.1/.2 at the point of discharge from the ready mix truck.

Note:
(1) Concrete tests not sampled, made, cured and tested according to CSA test procedures shall not be considered valid and shall not be accepted by all parties.

7.3 Frequency of Tests

<table>
<thead>
<tr>
<th>Test Required</th>
<th>Frequency</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air (if required)</td>
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<tr>
<td>Compressive Strength/Age (Cylinders)</td>
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<tr>
<td>Slump</td>
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<tr>
<td>Other</td>
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</tbody>
</table>

7.5 Hardened Concrete
a) Who determines additional testing? ___________________________________________________

b) Reasons __________________________________________________________________________

c) Test Procedures _____________________________________________________________________

d) Who will complete the tests? _______________________________________________________

e) Evaluation procedure ______________________________________________________________

f) Who will incur costs of testing? _________________________________________________

7.6 Test Personnel
Only those individuals who are current and documented ACI-certified Concrete Field Testing Technicians or current and documented CSA-certified Field Testing Technicians shall test concrete.

7.7 Conformance Testing
a) The Concrete Supplier has the right to invoke conformance testing with or without prior consent, for any test failure or abnormal test results.

b) In the event that the Contractor does not provide the Concrete Supplier with the opportunity to invoke conformance testing, the Contractor will be solely responsible for any additional testing costs and performance penalties that may result on the project.

7.8 Field Testing – Non-Conformance
All improper field testing shall be documented (Appendix E) and reported to the Concrete Supplier, the RMCAO and the Contractor.
8. Ordering Concrete

8.1 Concrete shall be ordered using the attached Ready Mixed Concrete Requirements form (cr699-1). (See Appendix D)

9. Site Operations

9.1 The Contractor shall designate the area for washing truck chutes.

9.2 The Contractor shall designate the location of Entrance and Exit for the job site.

9.3 The Contractor shall be responsible to provide safe and adequate access beyond the curb.

10. Concrete Placement

Concrete Forming Company ____________________________________________________________
Contact __________________________ Phone __________________________
Concrete Finishing Company __________________________________________________________
Contact __________________________ Phone __________________________
Mock-up - required (explain) __________________________________________________________

11. Responsibilities

11.1 The Concrete Supplier shall deliver concrete that meets the requirements of the contract, and shall be responsible for the concrete only to the point of discharge of the concrete from the R/M truck.

11.2 The Contractor shall ensure the correct concrete is being ordered, that proper placing, finishing and curing methods are met, proper field-testing is being carried out, and provide the proper protection for all concrete according to CSA A23.1.

12. Alternate Dispute Resolution

In any major area of potential conflict, the Concrete Supplier and the Contractor Plan Administrator shall utilize Alternate Dispute Resolution in a timely manner.

13. Pre-Pour Meeting

Pre-Pour meetings shall be held according to the attached Pre-Pour meeting Form (See Appendix C).
Terms:
1. Copies of this information shall be provided to: Contractor, Ready Mixed Concrete Company, Engineer, Architect and the Testing Company.

2. Copies of all test reports shall be immediately provided to the Ready Mixed Concrete supplier.

3. Concrete tests not sampled, made, cured, handled and performed in accordance to CSA A23.2 shall not be considered valid and will be disregarded by all parties.

4. The performance of the ready mixed concrete supplied, shall be limited to comply with the specifications for the concrete contained herein within the accepted tolerances for testing of concrete. The supplier will not be held liable for concrete that exhibits signs of scaling or spalling after the acceptance of the 28-day compressive strength.

5. All products and materials for the specification, manufacture, and delivery of concrete shall be under the control and responsibility of the concrete supplier. This includes products such as, but not limited to admixtures, aggregates, cementing materials, fibres, integral colour products and supplementary cementing materials.
APPENDIX

Appendix A  Certificate of Ready Concrete Production Facilities (sample)
Appendix B  Requirements of RMCAO Certification Program
Appendix C  Pre-Pour Meeting Form (#ppm699)
Appendix D  Concrete Requirements Form (#cr699-1)
Appendix E  Non-Conformance – Concrete Field Testing
READY MIXED CONCRETE ASSOCIATION OF ONTARIO

Certificate

of

CONCRETE

PRODUCTION FACILITIES

awarded to

(a member of the Ready Mixed Concrete Association of Ontario) on the basis of a signed statement given under the seal of suitably qualified Professional Engineer registered in the Province of Ontario, that he/she has certified the ready mixed concrete production facilities of the above-named plant in accordance with the current RMCAO Audit and Check List for the Certification of Ready Mixed Concrete Production Facilities and that the facilities meet these requirements, and on the basis of a signed statement by a responsible official of the Company above-named, that the facilities referred to above will be maintained to the requirements of this Certification.

Chairman, RMCAO

Expiry Date

September 2001
B1 RMCAO CONCRETE CERTIFICATION PROGRAM

B1.1 General Requirements:
i) Every Member of the Association must have a current Plant Certification for each and every one of their production facilities.
ii) Plant Certifications are valid for a period of two years.
iii) Applications for plant certification must be signed and sealed by a third party Professional Engineer licensed in the Province of Ontario.
iv) Annual random Plant Audit inspections.

B1.2 Material Conformance
i) All materials (aggregates, cement, admixtures, etc.) must conform to the requirements of CSA A23.1.
ii) Heating facilities must conform to the requirements of CSA A23.1.
iii) All material suppliers must certify that their materials conform to RMCAO’s Audit requirements and provide test results to confirm this certification.

B1.3 Scales Inspection Requirements
i) All scales must be checked and calibrated every 6 months by a certified third party technician.
ii) Scale check and calibration records must be available for inspection at all times and must be kept for a minimum of two years. Scale Check Calibration Forms must be submitted to the Association every 12 months.
iii) Scales must be accurate within ±0.2% throughout the scale’s entire range of operation.

B1.4 Batching Inspection and Accuracy Requirements
i) All cementing materials must be measured individually.
ii) Cementing materials must be measured by mass within ±1% of the mix design.
iii) Aggregate materials must be measured by mass within ±2% of the mix design.
iv) Batch water must be measured by volume or mass within ±1% of the mix design.
v) Admixtures must be measured by mass or volume within ±3% (or 30 grams) of the mix design.
vii) Each admixture must be measured separately.
v) The actual quantities of all materials batched must be recorded.

B1.5 Inspection & Certification of Mixing and Transportation Equipment
i) All stationary and truck mixers must be certified for use.
ii) All truck mixers must carry a rating plate as per TMMB.
iii) All agitating and non-agitating trucks must be inspected to confirm their suitability for use.

B1.6 Minimum Documentation for Concrete Tickets
This includes the following information: name of Producer and plant location, serial number of ticket, mixing/delivery truck number, name of Purchaser of product, specific job designation (name & location), specific class of designation of concrete identifiable with project specifications, volume of concrete in the batch, date and time stamp when the truck was loaded, time when the concrete was discharged, volume of additional water added at the request of the customer (with signature), and a general MSDS warning label.

B1.7 Mix Design Statistical Analysis Program
i) The Producer must calculate the average strength, standard deviation, coefficient of variation and CSA target design strength for each category of concrete.
ii) Program records must be reviewed and verified by the third party Engineer during the plant certification process.
APPENDIX C

PRE-POUR MEETING FOR CAST-IN-PLACE CONCRETE

Name of Project ________________________________________________________________

Location of Pour ______________________________________________________________

C1 Ready Mixed Concrete Company

Name ________________________________________________________________

Contact ____________________________  Alternate ____________________________

Phone ____________________________  Phone ____________________________

Fax ____________________________  Fax ____________________________

C1.1 Requirement

Supply valid RMCAO Certificate of Ready Mixed (or Mobile Mix) Concrete Production Facilities.

C2 General Contractor

Name ________________________________________________________________

Contact ____________________________  Alternate ____________________________

Site Address __________________________  Job Phone __________________________

_____________  Job Fax __________________________

Date of Meeting __________________________  Date of First Pour __________________________

C3 Concrete Testing Company

Name ________________________________________________________________

Contact ____________________________  Alternate ____________________________

Phone ____________________________  Phone ____________________________

Fax ____________________________  Fax ____________________________

C3.1 Verification

CSA Certified Yes □  Category O □

No □  Category I □

Category II □

Testing Personnel ACI Certified Yes □  Verification __________________________

No □

CSA Certified Yes □  Verification __________________________

No □

Attach Names of field-testing Technicians and years of experience.

Note:

(1) Testing by non-certified technicians will not be allowed.
C4 Site Operations

C4.1 Concrete
All concrete shall be ordered according to Ready Mixed Concrete Requirements Form (#cr699-1) and shall be manufactured according to CSA A23.1, unless otherwise specified.

Concrete shall be ordered by Mix Identification Number.

Minimum notice for most placements ______________________________________________________

Minimum notice for speciality placements __________________________________________________

C4.2 General
Contractor shall be responsible for:
  a) Area for washing truck chutes ________________________________________________________
  b) Location of Entrance and Exit for job site ________________________________________________
  c) Identification of additional Safety Requirements __________________________________________
  d) Safe and adequate access beyond the curb.
  e) Safe operations such as, but not excluded to, excavation safety, back-up personnel, power line warnings.

C4.3 Acceptance/Rejection of Fresh Concrete
Fresh Concrete shall be accepted according to CSA A23.1
Reasons for Rejection if other than CSA A23.1 __________________________________________________________________________

C4.4 Concrete Quality
All Concrete shall be tested in accordance with CSA A23.1/2.
Age of Cylinder Testing _________________________________________________________________
Frequency __________________________________________________________________________
Number of Cylinders/Set _______________________________________________________________
Location of Secure Cylinder storage location with continuous electric supply on job site __________
Reserve cylinder ______________________________________________________________________
Distribution of test reports: The Concrete Supplier shall immediately be sent copies of all test results.

C4.5 Testing of In-Place Hardened Concrete
Who determines ______________________________________________________________________
Reasons ____________________________________________________________________________
Procedures __________________________________________________________________________
Who will complete the tests __________________________________________________________________
Evaluation procedure ____________________________________________________________________
Who will incur costs of testing __________________________________________________________________

C4.6 Inspection Responsibilities
Concrete Supply supply valid RMCAO Certificate of Concrete Production Facilities
Placing/Consolidation _________________________________________________________________
Finishing/Curing _________________________________________________________________
Field Testing _________________________________________________________________

September 2001
C4.7 Concrete Supply
Plant(s) primary
Secondary
Approximate travel time

C4.8 Contacts
Name of concrete Formers
Contact
Name of concrete Finishers
Contact
Mock-up required (explain)

C5 Project Information
Pour Schedule
Project Completion Date

Engineering Company
Contact
Address
Phone
Fax
e-mail

Architect
Contact
Address
Phone
Fax
e-mail

Present at meeting

Remarks
Acceptance

Contractor ___________________ Date ___________________ Concrete Supplier _______________ Date _______________

Testing Company _______________ Date _______________

Terms

1. Copies of this information shall be provided to Contractor, Ready Mixed Concrete Company, Engineer, Architect and the Testing Company.

2. Copies of all test reports shall be immediately provided to the Ready Mixed Concrete supplier.

3. Concrete tests not made, cured and handled in accordance to CSA A23.1/2 shall not be considered valid and will be disregarded by all parties.

4. The performance of the ready mixed concrete supplied, shall be limited to comply with the specifications for the concrete contained herein within the accepted tolerances for testing of concrete. The supplier will not be held liable for concrete which exhibits signs of scaling or spalling after the acceptance of the 28-day compressive strength.

5. All products and materials for the specification, manufacture, and delivery of concrete shall be under the control and responsibility of the concrete supplier. This includes products such as, but not limited to, admixtures, aggregates, cementing materials, fibres, integral colour products and supplementary cementing materials.

Form#ppm699
# Ready Mixed Concrete Requirements

<table>
<thead>
<tr>
<th>Mix ID</th>
<th>Mix 1</th>
<th>Mix 2</th>
<th>Mix 3</th>
<th>Mix 4</th>
<th>Mix 5</th>
</tr>
</thead>
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### Specification Details

- **Application**
- **Location on Site**
- **Architectural Requirements**
  - *(Colour)*
- **Durability Requirements**
  - *(AAR, Sulfate, Waste)*
- **Structural Requirements**
  - **Class of exposure (CSA)**
  - **Maximum size aggregate**
  - **Other**

### Contractor Ordering

- **Rate (metres/h)**
- **Quantity (m³)**
- **Slump Range**
- **Plastic Air Range**
- **Strength/Age**
- **Other**
- **Specialty Items**
  - **Slump enhanced**
  - **Fibres**
  - **Other**
- **Method of Placement**
  - **Other**
- **Special Information**
  - **Set time**
  - **Hot weather**
  - **Cold weather**
  - **Other**

Reference: CSA A23.1 2000 – Concrete Materials and Methods of Concrete Construction

Form #cr699-1

September 2001
Ready Mixed Concrete Requirements (continued)

**Explanation/Additional Information (if required)**

<table>
<thead>
<tr>
<th>Mix 1</th>
<th>Mix 2</th>
<th>Mix 3</th>
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</table>
# NON-CONFORMANCE - CONCRETE FIELD TESTING

**Fax or E-mail Immediately to the RMCAO:**

Fax: 905-890-8122  
Web: www.rmcao.org  
E-mail: rmcao@rmcao.org

**Job:** __________________________________________________________________________________________________________

**General Contractor:**  __________________________________  **Contact:** _____________________________________________

**Testing Company:** ___________________________________  **Contact:** _____________________________________________

**Technician’s Name:** __________________________________  **Certification:** "CSA"  
**ACI #:_______________________**

**R/M Company:** ______________________________________  **Truck & Load #: ____________**  **Date & Time:** ______________

**Class of Concrete:** __________________________________  **Location In Structure:** __________________________________

---

## Sampling Plastic Concrete (A23.2 – 1C):
- **Was this test performed properly?**  
  - Yes  
  - No  
  - N/A
- **Sampling between 10-90% points?**  
  - Yes  
  - No  
  - N/A
- **Sample of sufficient size?**  
  - Yes  
  - No  
  - N/A
- **Sample completely remixed prior to testing?**  
  - Yes  
  - No  
  - N/A

## Making & Curing Concrete Test Specimens (A23.2 – 3C):
- **Was this test performed properly?**  
  - Yes  
  - No  
  - N/A
- **Specimens molded within 20 minutes of sampling?**  
  - Yes  
  - No  
  - N/A
- **Specimen(s) properly consolidated?**  
  - Yes  
  - No  
  - N/A
- **Specimens covered to prevent moisture loss?**  
  - Yes  
  - No  
  - N/A
- **Specimens stored in a controlled environment?**  
  - Yes  
  - No  
  - N/A
- **Specimens protected from vibration sources?**  
  - Yes  
  - No  
  - N/A
- **Min. & max. temperature readings recorded?**  
  - Yes  
  - No  
  - N/A
- **Cylinders transported to laboratory within the required time?**  
  - Yes  
  - No  
  - N/A
- **35 MPa or higher samples transported to laboratory within 24 hrs?**  
  - Yes  
  - No  
  - N/A

## Plastic Air Content – Pressure Method (A23.2 – 4C):
- **Was this test performed properly?**  
  - Yes  
  - No  
  - N/A
- **Was the test completed within 10 minutes of sampling?**  
  - Yes  
  - No  
  - N/A
- **Was the concrete properly consolidated?**  
  - Yes  
  - No  
  - N/A
- **If concrete from the slump test was reused to complete this test, was it thoroughly recombined with the whole sample prior to use?**  
  - Yes  
  - No  
  - N/A

## Slump of Concrete (A23.2 – 5C):
- **Was this test performed properly?**  
  - Yes  
  - No  
  - N/A
- **Was the test completed within 10 minutes of sampling?**  
  - Yes  
  - No  
  - N/A
- **Was the test surface level & rigid?**  
  - Yes  
  - No  
  - N/A
- **Was the mould and rigid surface dampened?**  
  - Yes  
  - No  
  - N/A
- **Was the mould filled in three equal layers (by volume)?**  
  - Yes  
  - No  
  - N/A
- **Was each layer rodded 25 times?**  
  - Yes  
  - No  
  - N/A
- **Was a 16 mm diameter, hemispherically tipped, tamping rod used?**  
  - Yes  
  - No  
  - N/A
- **Was the slump reported to the nearest 10 mm?**  
  - Yes  
  - No  
  - N/A

## Density & Yield of Plastic Concrete (23.2 – 6C):
- **Was this test performed properly?**  
  - Yes  
  - No  
  - N/A
- **Was the container of sufficient capacity for the material tested?**  
  - Yes  
  - No  
  - N/A
- **Was the sample properly consolidated?**  
  - Yes  
  - No  
  - N/A
- **Was the sample measured to the nearest 0.05 kg?**  
  - Yes  
  - No  
  - N/A

## Temperature of Plastic Concrete (ASTM C 1064):
- **Was this test performed properly?**  
  - Yes  
  - No  
  - N/A

## Who was notified of the non-conformance field-testing?
- Technician  
- Laboratory  
- Contractor  
- Engineer  

**Method of verification:**  
- Lab Test Report  
- Photograph  
- Video  
- Other: ____________________________

**NOTE:** Please attach any additional comments to this form.

---

**Name (Print):** ____________________________  **Signature:** ____________________________  **Date:** ____________________________

**Company:** ____________________________  **Position:** ____________________________  **Date:** ____________________________

**Certification:**  
- CSA  
- ACI #: ____________________________
The members of the Ready Mixed Concrete Association of Ontario agree to the following:

1. To operate and comply to the RMCAO By-Laws 06/93;

2. To operate and comply to the RMCAO Audit and Check List for Concrete/Mobile Mix Production Facilities;

3. To adhere to the Best Management Practices (BMP) relating to quality products:
   a) We will only produce and deliver concrete that meets specification parameters.
   b) We will not add air-entrainment to non Air-Entrained concrete.
   c) We will only supply and sell concrete and concrete products as a complete package.
   d) We will not sell or deliver concrete that has been incorrectly specified.
   e) We will only accept concrete tests that are done correctly.
   f) We will only use quality materials in the manufacture of concrete.

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