



TR3: Technical Report
Concrete Design Mix
Must be typewritten.



The TR3 is required prior to permit

1 Location Information *Required for all applications.*

House No(s) 147-41 Street Name POWELLS COVE BOULEVARD
Borough QUEENS Block 4466 Lot 18 BIN CB No. 407

2 Applicant Information - Licensed Concrete Testing Lab *Required for all applications.*

Director Last Name Karantinidis Director First Name Michael Director Middle Initial
Business Name International Geotechnical Structural Laboratories Business Telephone (718) 726-1527
Business Address 34-01 Broadway Business Fax (718) 956-0274
City Astoria State NY Zip 11106 Mobile Telephone
E-Mail info@internationalgeo.com
Director's Lic. Number 063652 ☒ P.E. ☐ R.A. Concrete Testing Lab Lic. Number 54

3 Strength Requirements and Design *Required for all applications. Attach Trial Mixture Reports and/or Field Experience Results.*

				Mix #1	Mix #2	Mix #3
Method of Determining Proportions (Trial Mixture and/or Field Experience)				☒ Trial Mix ☐ Field Experience	☐ Trial Mix ☐ Field Experience	☐ Trial Mix ☐ Field Experience
Date Trial Mixture Performed				01/26/10		
Specified Strength (f'_c)				3,500 PSI	PSI	PSI
Required Strength (f'_cr)				4,700 PSI	PSI	PSI
Specified Test Age (Days)				28		
	Material Type	Material Source	ASTM Standard			
Cementitious #1 (lbs)	Portland I/II	St Lawrence	C-150	611 lbs.	lbs.	lbs.
Cementitious #2 (lbs)				lbs.	lbs.	lbs.
Cementitious #3 (lbs)				lbs.	lbs.	lbs.
Fine Aggregate (lbs)	Sand	LI Natural	C-33	1,250 lbs.	lbs.	lbs.
Coarse Aggregate #1 (lbs)	Gravel	Tilcon/ C.P. #57	C-33	1,750 lbs.	lbs.	lbs.
Coarse Aggregate #2 (lbs)				lbs.	lbs.	lbs.
Coarse Aggregate #3 (lbs)				lbs.	lbs.	lbs.
Amount of Water (gals)	NYC Potable	NYC Potable	C-94	31.5 gals.	gals.	gals.
Admixture #1 (oz)	Air	Master Bldrs-MBVR	C-260	4.5 oz	oz	oz
Admixture #2 (oz)	Water Reducer	Mstr Bldrs- 200 N	C-494	37.26 oz	oz	oz
Admixture #3 (oz)				oz	oz	oz
Other						
Water-Cement Ratio				0.43		
Slump (inches $\pm$ tolerance)			C-143	6.25 $\pm$ 1	$\pm$	$\pm$
Air Content (% $\pm$ tolerance)			C-231	5.15 $\pm$ 1	% $\pm$	% $\pm$
Unit Weight (lbs./ft ³)			C-138	148 lbs./ft ³	lbs./ft ³	lbs./ft ³

4 Concrete Testing Lab Director's Statement and Signature Required for all applications.

I hereby state that the information reported in section 3 above is correct and complete and that the tests reported in section 3 above were performed under my supervision in accordance with all applicable New York City Construction Code provisions, and Departmental rules.

Falsification of any statement is a misdemeanor and is punishable by a fine or imprisonment, or both.

It is unlawful to give to a city employee, or for a city employee to accept, any benefit, monetary or otherwise, either as a gratuity for properly performing the job or in exchange for special consideration. Violation is punishable by imprisonment or fine or both.

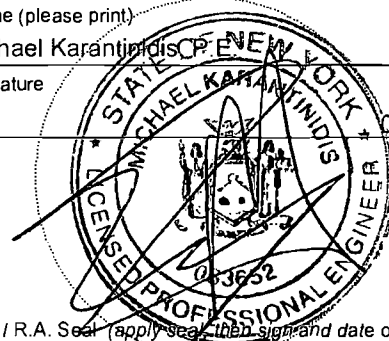
Name (please print)

Michael Karantiniadis

Signature

Date

07-23-10



P.E. / R.A. Seal (apply seal, then sign and date over seal)

5 Concrete Producer's Statement and Signature Required for all applications. Must be filled out by Owner of Production Facility.

I certify that the material type and source specified in section 3 above are available at my facility and that I will use such materials to produce the concrete mix(es) specified in section 3. I further certify that I will produce and deliver such mix(es) to the project site in accordance with the applicable code provisions of the NYC construction codes and that such mix(es) are appropriate for the placement conditions for the project identified in section 1 above (BC 1905.8.2).

Name (print) Michael Emanuel

Title President

Signature Michael Emanuel

Date 7-26-10

NRMCA Certification Expiration Date (BC 1905.8.2) 11-15-11

Business Name Best Concrete Mix Corp

Business Telephone 718-463-5500

Business Address 35-10 College Point Blvd

Business Fax: 718-762-0804

City Flushing

State NY

Zip 11354

6 Design Applicant's Statement and Signature Required for all applications. Must be filled out by P.E./R.A. responsible for plans.

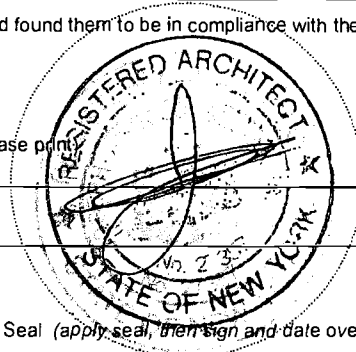
☐ I certify I have reviewed the concrete design mix(es) reported by the licensed testing lab and found them to be in compliance with the approved construction documents (BC 1905.6.3.3).

Name (please print)

Signature

7-21-10

Date



P.E. / R.A. Seal (apply seal, then sign and date over seal)

7 Building Owner's Statement and Signature Required for all applications.

Falsification of any statement is a misdemeanor and is punishable by a fine or imprisonment, or both. It is unlawful to give to a city employee, or for a city employee to accept, any benefit, monetary or otherwise, either as a gratuity for properly performing the job or in exchange for special consideration. Violation is punishable by a fine or imprisonment, or both. I understand that if I am found after hearing to have knowingly or negligently made a false statement or to have knowingly or negligently falsified or allowed to be falsified any certificate, form, signed statement, application, report or certification of the correction of a violation required under the provisions of this code or of a rule of any agency, I may be barred from filing further applications or documents with the Department.

Name (print) Matthew Schwartz

Title Owner

Signature [Signature]

Date 7/23/10