

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

I hereby state that the above information is correct and complete to the best of my knowledge and that the above tests were performed in accordance with all Administrative Code Provisions and Departmental Rules, Regulations and Directives.

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

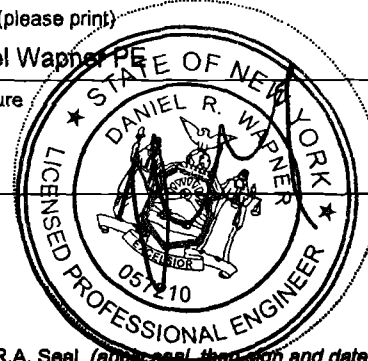
It is unlawful to give to a city employee, or for a city employee to accept, any benefit, monetary or otherwise, either as a gratuity for properly performing the job or in exchange for special consideration. Violation is punishable by imprisonment or fine or both.

Name (please print)

Daniel Warner P.E.

Signature

Date



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 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)

Chris Todd

Title

Manager

Signature

Date 11-2-17

NRMCA Certification Expiration Date (BC 1095.8.2) 11-15-17

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).

Name (please print)

Signature

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 falsified or allowed to be falsified any certificate, form, signed statement, application, report or certification of the correction of 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)

Michael Giambone

Title

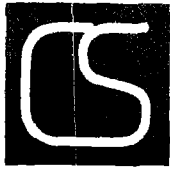
Owner

Signature

Michael Giambone

Date

11-02-17



CONCRETE SOLUTIONS

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Client:	FK Construction	Mix No.:	17BEST-003	Report Date:	2/9/2017
Address:		Trial Mix Date:	1/10/2017		
		Expiration Date:	1/10/2019	Page:	1 of 2
Project:	161-05 46th Ave Queens, NY				
Mix:	4000 PSI + 1200 A.E. Pump Concrete	Mix Developed by:	Concrete Solutions Lab, Corp		
Supplier:	Best Concrete Mix Corp	NYCDOB Lic. No.:	96	Method:	ACI

4000 PSI + 1200 A.E. Pump Concrete

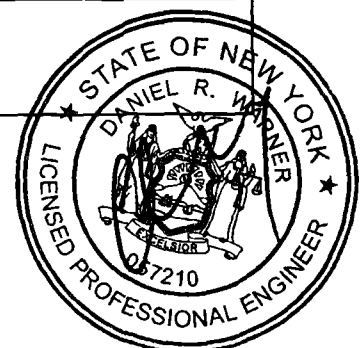
Recommended Mix Design

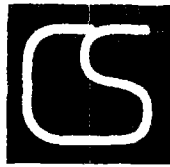
Cement (lbs.)	396
Slag (lbs)	264
Flyash (lbs.)	-
Silica Fume (lbs.)	-
Fine Aggregate (lbs.)	1355
Coarse Aggregate #67 (lbs.)	1675
Water (lbs.) / (gal.)	264 (31.7)
Admixture 1 (oz.)	2.0
Admixture 2 (oz.)	39.6
Admixture 3 (oz.)	-
Slump (in.)	8" +/- 1"
Air Content (%)	6 % +/- 1.5%
Unit Weight (lbs/Cu.Ft.)	143 - 149
W/C Ratio	0.40

Material	Brand / Source	ASTM	S.G.
Cement	Lafarge / Holcim	ASTM C150	3.15
Slag	Essroc	ASTM C989	2.90
Flyash	-	ASTM C618	-
Silica Fume	-	ASTM C1240	-
Fine Aggregate	Coram 10-18F	ASTM C33	2.63
Coarse Aggregate #67	Tilcon 8-9R	ASTM C33	2.82
Water	Potable	ASTM C94	1.00
Admixture 1	BASF / M.B.V.R.	ASTM C260	1.03
Admixture 2	Euclid / Plastol 5000	ASTM C494	1.06
Admixture 3	-	-	-
-	-	-	-
-	-	-	-

Aggregate Gradation (% Passing)		
Sieve Size	Fine Aggregate	Coarse Aggregate #67
1"	-	100
3/4"	-	93.5
1/2"	-	-
3/8"	100.0	34.8
#4	98.6	6.1
#8	90.4	1.4
#16	75.7	-
#30	49.8	-
#50	16.4	-
#100	2.5	-
FM	2.67	-

Remarks / Comments:





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Supplier:	Best Concrete Mix Corp	NYCDOB Lic. No.:	96	Method:	ACI

4000 PSI + 1200 A.E. Pump Concrete

Trial Batch Mixes, Dry Weights (lbs./Cubic Yard)

Point	W/C	Cement (lbs.)	Slag (lbs.)	Flyash (lbs.)	Silica (lbs.)	F.A. (lbs.)	C.A. (lbs.)	Water (lbs. / gal)	Admx 1 (oz.)	Admx 2 (oz.)	Admx 3 (oz.)	Unit Weight (lbs./cu.ft)	Slump (in)	Air %	Yield
1	0.43	345	230	-	-	1435	1675	247 (29.7)	1.7	34.5	-	145.2	8.50	5.80	27.0
2	0.42	360	240	-	-	1400	1675	251 (30.2)	1.8	36.0	-	145.0	8.50	5.90	27.0
3	0.40	396	264	-	-	1355	1675	264 (31.7)	2.0	39.6	-	145.9	9.00	6.00	27.0
4	0.39	423	282	-	-	1255	1675	275 (33.0)	2.1	42.3	-	145.2	8.75	5.60	27.0
5	0.38	450	300	-	-	1185	1675	285 (34.2)	2.3	45.0	-	145.7	8.75	5.40	27.0

Compressive Strength Results PSI (ASTM C39) 4" x 8" Cylinders

Point	W/C	3 Day Results			Avg.	7 Day Results			Avg.	28 Day Results			Avg.	56 Day Results			Avg.
1	0.43	N/A	N/A	N/A	-	3650	3410	3510	3523	5505	5510	5350	5455	N/A	N/A	N/A	-
2	0.42	N/A	N/A	N/A	-	4360	4290	4680	4443	6245	6090	6350	6228	N/A	N/A	N/A	-
3	0.40	N/A	N/A	N/A	-	4955	5070	5220	5082	6900	7125	7240	7088	N/A	N/A	N/A	-
4	0.39	N/A	N/A	N/A	-	5975	5870	5825	5890	8290	8345	8450	8362	N/A	N/A	N/A	-
5	0.38	N/A	N/A	N/A	-	6050	6460	6470	6327	9125	8975	9235	9112	N/A	N/A	N/A	-

