

1	Location Information <i>Required for all applications.</i>
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Borough Queens	Block 3149	Lot 8	BIN 4074415	CB No 406
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Director Last Name BANERJEE		Director First Name DEBABRATA		Director Middle Initial	
Business Name IMPACT CONCRETE & CONTROL INSPECTION INC				Business Telephone (718) 939-7774	
Business Address 15-46 129TH STREET				Business Fax (718) 939-6444	
City College Point		State NEW YORK		Zip 11356	
E-Mail DBANER@GMAIL.COM				Mobile Telephone (917) 577-7540	
Director's Lic. Number 081431		☒ P.E. ☐ R.A.		Concrete Testing Lab Lic. Number 000064	

	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	12-08-14		
Specified Strength (f' c)	4000		
Required Strength (f' cr)	5200		
Specified Test Age (Days)	28		

	Material Type	Material Source	ASTM Standard			
Cementitious #1 (lbs)	Cement	Essex I-II	C-150	600 lbs.	lbs.	lbs.
Cementitious #2 (lbs)				lbs.	lbs.	lbs.
Cementitious #3 (lbs)				lbs.	lbs.	lbs.
Fine Aggregate (lbs)	Sand	LI Natural	C-33	1410 lbs.	lbs.	lbs.
Coarse Aggregate #1 (lbs)	Stone	Tilcon	C-33	1700 lbs.	lbs.	lbs.
Coarse Aggregate #2 (lbs)				lbs.	lbs.	lbs.
Coarse Aggregate #3 (lbs)				lbs.	lbs.	lbs.
Amount of Water (gals)	Water	NYC	C-94	30.0 gals.	gals.	gals.
Admixture #1 (oz)	Air	Sika Air	C-260	0.2 oz	oz	oz
Admixture #2 (oz)	HRWR	Viscocrete 2100	C-494	22.0 oz	oz	oz
Admixture #3 (oz)				oz	oz	oz
Other						
Water-Cement Ratio				0.42		
Slump/Spread (inches $\pm$ tolerance)		3" Max before HRWR		8.0 $\pm$ 1"	$\pm$	$\pm$
Air Content (% $\pm$ tolerance)				6.0 $\pm$ 1.5	% $\pm$	% $\pm$
Unit Weight (lbs./ft ³)				147.2 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 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.

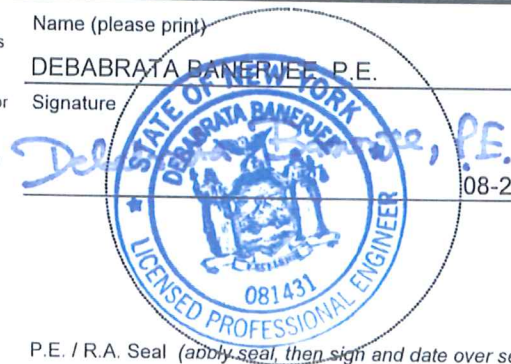
Name (please print)

DEBABRATA BANERJEE, P.E.

Signature

Date

08-21-15



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)	Title
Signature	Date
Business Name DKN ready Mix	NRMCA Certification Expiration Date (BC 1095.8.2) 6-18-16
Business Address 25-50 Borden Avenue	Business Telephone (718) 729-1010
City LIC	Business Fax:
State NY	Zip 11101

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

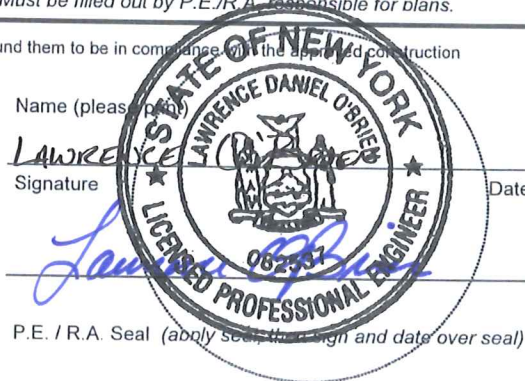
I certify I have reviewed the concrete design mix(es) reported by the licensed testing lab and found them to be in compliance with the approved construction documents (BC 1905.6).

Name (please print)

LAWRENCE

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 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)

ADELMO CIOFFI

Title

OWNER

Signature

Adelmo Cioffi

Date

8-21-15

IMPACT

Concrete & Control Inspections, INC.
15-46 129th Street, College Point, NY 11356

Tel: (718) 939-7774 Fax: (718) 939-6444

The City of New York Department of Buildings Concrete Laboratory License #64

CONCRETE MIX DESIGN REPORT

CLIENT: 68-49 Woodhaven Boulevard Inc

DATE: 12--8-14

LAB NO.: DKN -12-8-14

Project: Impact Reference Mix

MIX TYPE: Trial

Expiration Date: 12/8/2015

Supplier: DKN Ready Mix

SAMPLED BY: Juan

DELIVERED BY: Juan

4000 psi + 1200 A.E. Pump Concrete

Product	Source & Type	ASTM	S.G.	NYS Source No.
Cement	Essex Type I/II	ASTM C150	3.15	-
Slag		ASTM C989	2.88	-
Fly Ash	-	ASTM C618	2.20	-
Silica Fume	-	ASTM C1240	2.20	-
Fine Agg.	LI Natural	ASTM C33	2.63	-
Coarse Agg.	Tilcon #57	ASTM C33	2.80	-
Water	NYC Potable	ASTM C94	1.00	-
Admixture 1	Sika Corporation- Sika Air	ASTM C260	1	-
Admixture 2	Sika Viscocrete-2100	ASTM C494	1.10	-
Admixture 3				

Recommended Mix Design

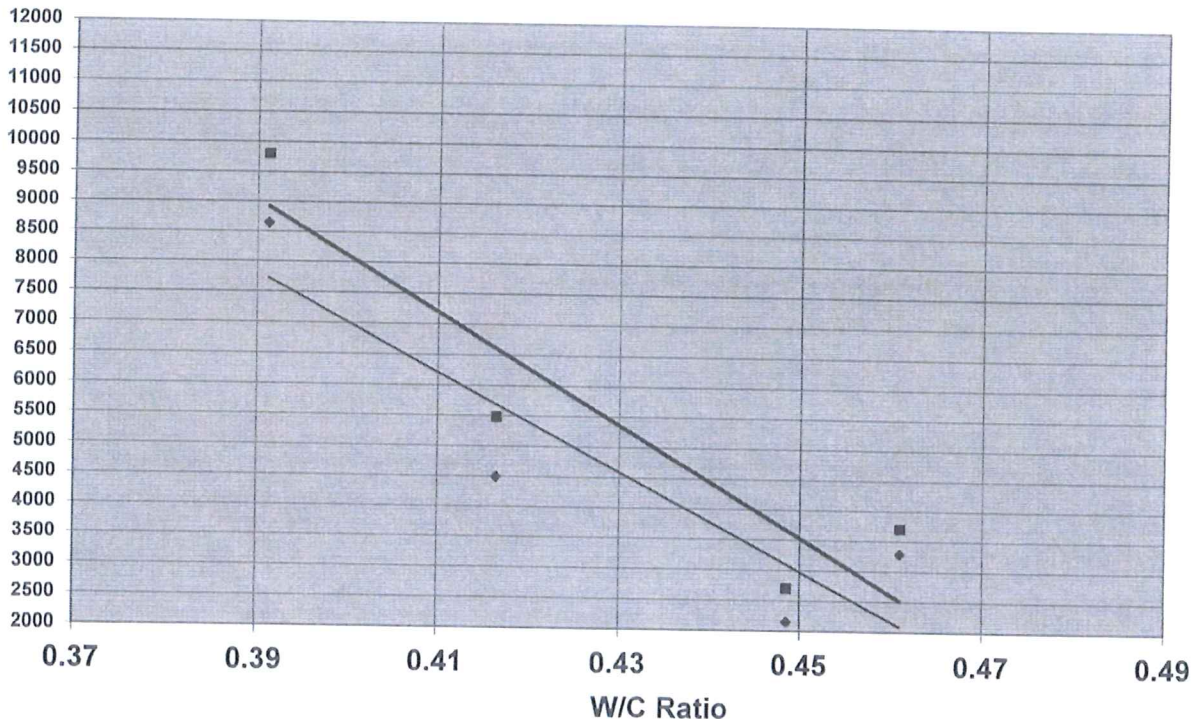
3

Cement (lbs.)	600	Sacks	6.38
Slag (lbs.)	0		
Fly Ash (lbs.)	0		
Microsilica (lbs.)	0		
Fine Agg. (lbs.)	1410		
Coarse Agg. (lbs.)	1700		
Water (gals.)	30.0		
Admixture 1 (oz.)	0.2		
Admixture 2 (oz.)	22.0	(Increase per field condition)	
Admixture 3 (oz.)	---		
Slump (in.)	8" +/- 1"	(Max. 3" Slump before Admixture #2)	
Air Content (%)	6 % +/-1.50%		
U. Wt. P.C.F.	147.2		
W/C Ratio	0.42		

Contractor to supply Break results to SUPPLIER immediately.
Admixture can be adjusted per NYC DOB bulletin 2010-01876-10-10

Debabrata Banerjee, P.E.

Compressive Strength vs. Water Cement Ratio



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The City of New York Department of Buildings Concrete Laboratory License #64
CONCRETE MIX DESIGN REPORT

CLIENT:	68-49 Woodhaven Boulevard Inc 0 0	DATE:	12--8-14
PROJECT:	Impact Reference Mix 68-27 Woodhaven Boulevard (Work for 8/21/15 & Onwards)	LAB NO.:	DKN -12-8-14
SUPPLIER:	DKN Ready Mix	MIX TYPE:	Trial
		Expiration Date:	12/8/2015
		SAMPLED BY:	Juan
		DELIVERED BY:	Juan

4000 psi + 1200 A.E. Pump Concrete

Aggregate Gradation Passing Percent Finer

Sieve Size	Fine Aggregates	Stone
2"		
1 1/2"		
1"		100
3/4"		93.5
1/2"		50.2
3/8"	100.0	22.5
# 4	95.7	4.8
# 8	90.3	2.2
# 16	85.2	
# 30	52.7	
# 50	8.4	
# 100	2.1	
FM	2.66	
Unit Weight Dry Rodded		
Specific Gravity	2.63	2.80
Colometric Test	Plate # 1	



TRIAL MIXES - DRY BATCH WEIGHTS (lbs./Cubic Yards)

Point	Yield	Cement	Slag	FlyAsh	Silica	F.A.	C.A.	Water	Adx 1	Adx 2	Adx 3	Unit Wt.	Slump(in)	W/C	Air %
1	27.0	520	0	0	0	1525	1700	28.0	0.4	19.0	N/A	149.6	6.00	0.45	4.5
2	26.8	524	0	0	0	1470	1700	29.0	0.2	20.0	N/A	146.0	6.50	0.46	5.0
3	27.0	600	0	0	0	1410	1700	30.0	0.2	22.0	N/A	147.2	8.00	0.42	4.9
4	27.0	660	0	0	0	1345	1700	31.0	0.4	37.5	N/A	149.0	8.25	0.39	5.1

COMPRESSIVE STRENGTH RESULTS (ASTM C39) - P.S.I. (4" x 8" Cylinders)

Point	w/c ratio	7 Days Results	Average	28 Days Results	Average
1	0.45	1992	2312	2152	2707
2	0.46	3455	3122	3289	3706
3	0.42	4457	4544	4501	5485
4	0.39	8352	8952	8652	9805