



TR2: Technical Report
Concrete Sampling and Testing
Must be typewritten.



Sheet number 1

1 Location Information *Required for all applications.*

House No(s) 449	Street Name Evergreen Avenue			
Borough Brooklyn	Block 3350	Lot 2	BIN 3413748	CB No. 304
Work on Floor(s)			Apt/Condo No(s)	

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

Director Last Name San Pedro	Director First Name Benito	Director Middle Initial P
Business Name City Wide Testing Inc.		Business Telephone (718)326-5900
Business Address 59-25 Grand Ave.		Business Fax (718)326-5300
City Maspeth	State NY	Zip 11378
E-Mail info@citywidetesting.com		Mobile Telephone
Director's Lic. Number 056750	☒ P.E. ☐ R.A.	Concrete Testing Lab Lic. Number 55

3 Licensed Concrete Testing Laboratory's Identification of Responsibilities *Required prior to Permit.*

Check all that apply below:

I certify that I am the director of the licensed concrete testing laboratory accepting responsibility for conducting the testing in accordance with BC 1905.6 and BC 1704.1. I further certify that I have read the applicable sections of the New York City Construction Codes in connection with the testing of concrete and licensed concrete testing laboratories as well as 1 RCNY §5-02 and 1 RCNY §101-07(c)(6), which specifies the qualifications and duties required of a licensed concrete testing laboratory and that this licensed testing laboratory meets those qualifications for the work for which I take responsibility. I agree that both I and the licensed concrete testing laboratory will comply with all provisions of the New York City Construction Codes as well as 1 RCNY §5-02 and 1 RCNY §101-07(c)(6). I am aware of the additional sanctions imposed on false filings by §28-211.1.2 of the Administrative Code.

Change of Applicant: I am a newly designated individual responsible for the testing specified herein and I hereby state that:

- ☐ None of the tests indicated herein have been performed to date by the previously designated individual.
- ☐ Some of the tests indicated herein have been performed by the previously designated individual, as indicated in the attached report.

I am aware of the additional sanctions imposed on false filings by §28-211.1.2 of the Administrative Code.

Name (please print)
Benito P. San Pedro, P.E.

05-30-14

Signature

Date

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

4 Design Applicant's Statement and Signature *P.E./R.A. Required prior to Permit.*

☐ I certify that the licensed concrete testing laboratory specified in section 2 above and engaged by the owner to perform tests on the work at the location specified in section 1 above is acceptable. (BC 1704.1)

Name (please print)

Signature

PIROOZ SOLTANIZADEH
Date 06-11-14
#080350
PROFESSIONAL ENGINEER

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

5 Building Owner's Statement and Signature *Required prior to Permit.*

I certify that I have employed the licensed concrete testing laboratory specified in section 2 above in accordance with BC 1704.1. 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)

Signature

PELEG NEEVE

Title

Date

owner

6/11/2014

STOP HERE PRIOR TO PERMIT

IMPACT

CONCRETE & CONTROL INSPECTIONS, INC.

15-46 129TH STREET, COLLEGE POINT, NEW YORK 11356

TEL: (718) 939-7774 FAX: (718) 939-6444

CONCRETE MIX DESIGN REPORT

CLIENT:	Yashi Barki	DATE:	1/9/14
Project:	In House QC Mix 2012/13 449 Evergreen Avenue	LAB NO.:	2014-1-9-14
Supplier:	Liberty ready Mix	MIX TYPE:	4000 Pump
		METHOD:	Trial
		SAMPLED BY:	Impact
		Expire on:	1/9/2015

3500 psi + 1200 A.E. Concrete Pump @ 28 Days

Product	Source & Type	ASTM	S.G.	NYS Source No.
Cement	Essex-II	ASTM C150	3.15	
Slag	-	ASTM C989	2.88	
Fly Ash	-	ASTM C618	2.20	
Silica Fume	-	ASTM C1240	2.20	
Fine Agg.	L I Natural	ASTM C33	2.64	
Coarse Agg.	Tilcon #57	ASTM C33	2.80	
Water	NYC Potable	ASTM C94	1.00	
Admixture 1	Sika - AIR	ASTM C260	1.03	
Admixture 2	Sika Viscocrete 2100	ASTM C494	1.20	
Admixture 3				

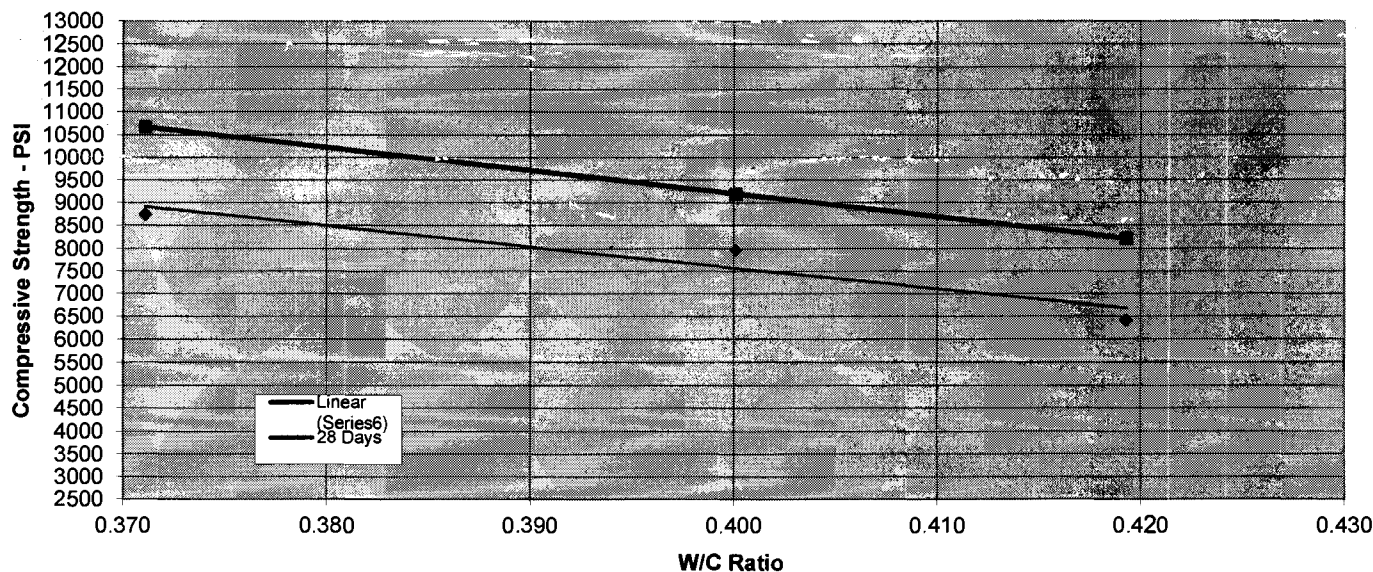
Recommended Mix Design

1

Cement (lbs.)	600	Sacks	6.38
Slag (lbs.)			
Fly Ash (lbs.)			
Microsilica (lbs.)			
Fine Agg. (lbs.)	1400		
Coarse Agg. (lbs.)	1700		
Water (gals.)	30.2		
Admixture 1 (oz.)	2.1		
Admixture 2 (oz.)	29.7		
Admixture 3 (oz.)	---		
Slump (in.)	7+-1"		
Air Content (%)	6 % +/-1.5%		
U. Wt. P.C.F.	152.4		
W/C Ratio	0.42		



Compressive Strength vs. Water Cement Ratio



IMPACT

CONCRETE & CONTROL INSPECTIONS, INC.

15-46 129TH STREET, COLLEGE POINT, NEW YORK 11356

TEL: (718) 939-7774 FAX: (718) 939-6444

CONCRETE MIX DESIGN REPORT

CLIENT:	Yashi Barki	DATE:	1/9/14
PROJECT:	In House QC Mix 2012/13 449 Evergreen Avenue	LAB NO.:	2014-1-9-14
SUPPLIER:	Liberty ready Mix	MIX TYPE:	4000 Pump
		METHOD:	Trial
		SAMPLED BY:	Impact
		DELIVERED BY:	Impact
3500 psi + 1200 A.E. Concrete Pump @ 28 Days			

Aggregate Gradation Passing Percent Finer

Sieve Size	F.A.	C.A.
2"		
1 1/2"		100.00
1"		100.0
3/4"		
1/2"		26.00
3/8"	100.0	
# 4	95.2	
# 8	90.0	
# 16	85.2	
# 30	52.0	
# 50	10.2	
# 100	1.2	
FM		
Unit Weight Dry Rodded		
Specific Gravity	2.64	
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	26.9	600	0	0	0	1400	1700	30.2	2.1	29.7	N/A	152.4	6.00	0.42	4.5
2	27.0	660	0	0	0	1325	1700	31.7	1.8	32.7	N/A	149.6	8.00	0.40	6.0
4	26.5	752	0	0	0	1125	1700	33.5	1.6	37.2	N/A	151.6	8.50	0.37	4.5

COMPRESSIVE STRENGTH RESULTS (ASTM C39) - P.S.I. (4" x8" Cylinders)---

Point	w/c ratio	7 Days Results	Average	28 Days Results	Average
1	0.419	6391	6471	7657	8210
2	0.400	8487	7486	9681	8574
4	0.371	8628	8869	10812	10997

Tag Used : 74001-74018 . Sued sam propotions as last year. No customer complain

IMPACT

CONCRETE & CONTROL INSPECTIONS, INC.
15-46 129TH STREET, COLLEGE POINT, NEW YORK 11356
TEL: (718) 939-7774 FAX: (718) 939-6444

CONCRETE MIX DESIGN REPORT

CLIENT:	Yashi Barki	DATE:	1/9/14
Project:	In House QC Mix 2012/13 449 Evergreen Avenue	LAB NO.:	2014-1-9-14
Supplier:	Liberty ready Mix	MIX TYPE:	4000 Pump
		METHOD:	Trial
		SAMPLED BY:	Impact
		Expire on:	1/9/2015

3500 psi + 1200 A.E. Concrete Pump @ 28 Days

Product	Source & Type	ASTM	S.G.	NYS Source No.
Cement	Essex-II	ASTM C150	3.15	
Slag	-	ASTM C989	2.88	
Fly Ash	-	ASTM C618	2.20	
Silica Fume	-	ASTM C1240	2.20	
Fine Agg.	L I Natural	ASTM C33	2.64	
Coarse Agg.	Tilcon #57	ASTM C33	2.80	
Water	NYC Potable	ASTM C94	1.00	
Admixture 1	Sika - AIR	ASTM C260	1.03	
Admixture 2	Sika Viscocrete 2100	ASTM C494	1.20	
Admixture 3				

Recommended Mix Design

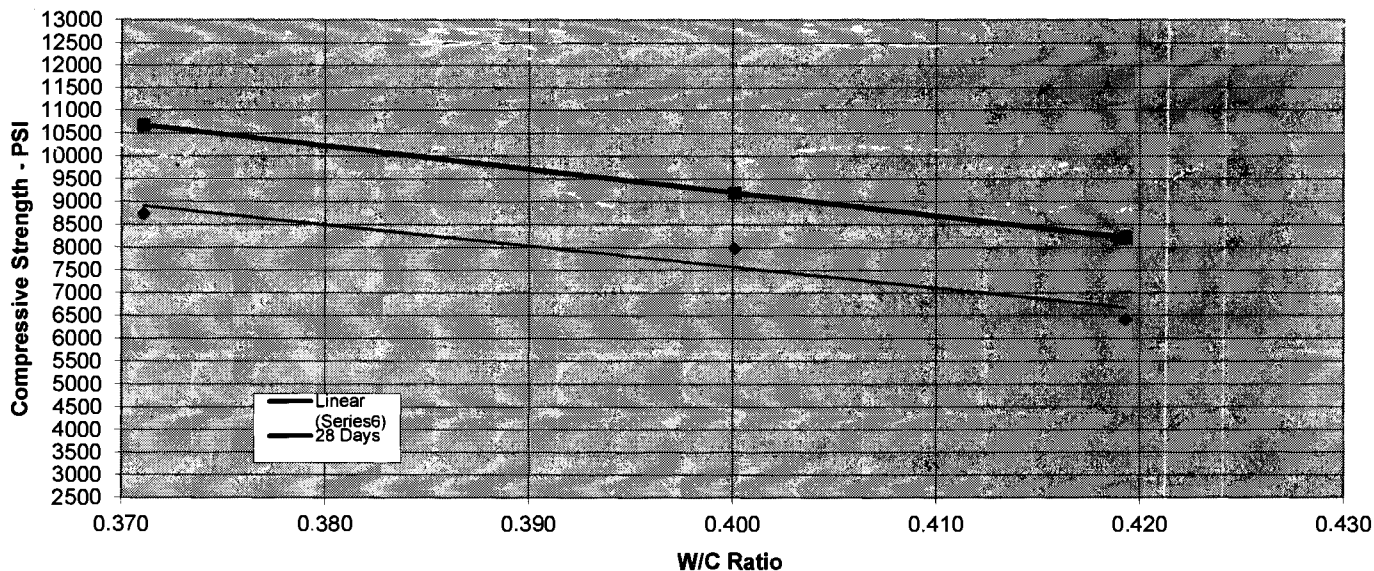
1

Cement (lbs.)	600	Sacks	6.38
Slag (lbs.)			
Fly Ash (lbs.)			
Microsilica (lbs.)			
Fine Agg. (lbs.)	1400		
Coarse Agg. (lbs.)	1700		
Water (gals.)	30.2		
Admixture 1 (oz.)	2.1		
Admixture 2 (oz.)	29.7		
Admixture 3 (oz.)	---		
Slump (in.)	7+-1"		
Air Content (%)	6 % +/-1.5%		
U. Wt. P.C.F.	152.4		
W/C Ratio	0.42		



Debabrata Banerjee, P.E.

Compressive Strength vs. Water Cement Ratio



IMPACT

CONCRETE & CONTROL INSPECTIONS, INC.

15-46 129TH STREET, COLLEGE POINT, NEW YORK 11356

TEL: (718) 939-7774 FAX: (718) 939-6444

CONCRETE MIX DESIGN REPORT

CLIENT: Yashi Barki

DATE: 1/9/14

LAB NO.: 2014-1-9-14

MIX TYPE: 4000 Pump

METHOD: Trial

SAMPLED BY: Impact

DELIVERED BY: Impact

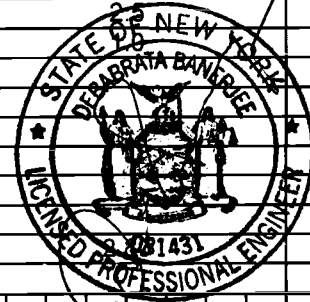
PROJECT: In House QC Mix 2012/13
449 Evergreen Avenue

SUPPLIER: Liberty ready Mix

3500 psi + 1200 A.E. Concrete Pump @ 28 Days

Aggregate Gradation Passing Percent Finer

Sieve Size	F.A.	C.A.
2"		
1 1/2"		100.00
1"		100.0
3/4"		
1/2"		26.00
3/8"	100.0	
# 4	95.2	
# 8	90.0	
# 16	85.2	
# 30	52.0	
# 50	10.2	
# 100	1.2	
FM		
Unit Weight Dry Rodded		
Specific Gravity	2.64	
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	26.9	600	0	0	0	1400	1700	30.2	2.1	29.7	N/A	152.4	6.00	0.42	4.5
2	27.0	660	0	0	0	1325	1700	31.7	1.8	32.7	N/A	149.6	8.00	0.40	6.0
4	26.5	752	0	0	0	1125	1700	33.5	1.6	37.2	N/A	151.6	8.50	0.37	4.5

COMPRESSIVE STRENGTH RESULTS (ASTM C39) - P.S.I. (4" x8" Cylinders)---

Point	w/c ratio	7 Days Results	Average	28 Days Results	Average
1	0.419	6391	6471	6431	7657
2	0.400	8487	7486	7987	8159
4	0.371	8628	8869	8749	8870
					8210
					8224
					9202
					10683

Tag Used : 74001-74018 . Sued sam propotions as last year. No customer complain

IMPACT

CONCRETE & CONTROL INSPECTIONS, INC.

15-46 129TH STREET, COLLEGE POINT, NEW YORK 11356

TEL: (718) 939-7774 FAX: (718) 939-6444

CONCRETE MIX DESIGN REPORT

CLIENT:	Yashi Barki	DATE:	1/9/14
Project:	In House QC Mix 2012/13 449 Evergreen Avenue	LAB NO.:	2014-1-9-14
Supplier:	Liberty ready Mix	MIX TYPE:	4000 Pump
		METHOD:	Trial
		SAMPLED BY:	Impact
		Expire on:	1/9/2015

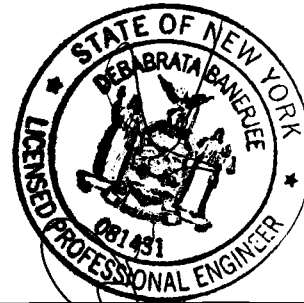
3500 psi + 1200 A.E. Concrete Pump @ 28 Days

Product	Source & Type	ASTM	S.G.	NYS Source No.
Cement	Essex-II	ASTM C150	3.15	
Slag	-	ASTM C989	2.88	
Fly Ash	-	ASTM C618	2.20	
Silica Fume	-	ASTM C1240	2.20	
Fine Agg.	L I Natural	ASTM C33	2.64	
Coarse Agg.	Tilcon #57	ASTM C33	2.80	
Water	NYC Potable	ASTM C94	1.00	
Admixture 1	Sika - AIR	ASTM C260	1.03	
Admixture 2	Sika Viscocrete 2100	ASTM C494	1.20	
Admixture 3		-	-	

Recommended Mix Design

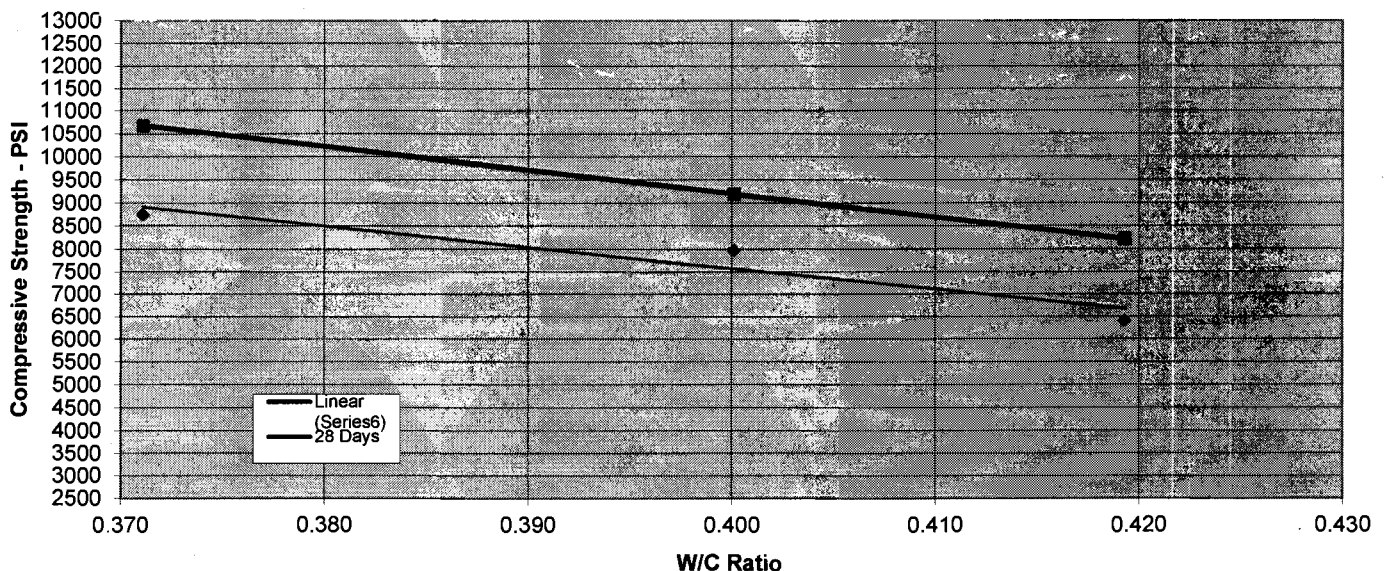
1

Cement (lbs.)	600	Sacks	6.38
Slag (lbs.)			
Fly Ash (lbs.)			
Microsilica (lbs.)			
Fine Agg. (lbs.)	1400		
Coarse Agg. (lbs)	1700		
Water (gals.)	30.2		
Admixture 1 (oz.)	2.1		
Admixture 2 (oz.)	29.7		
Admixture 3 (oz.)	---		
Slump (in.)	7+-1"		
Air Content (%)	6 % +/-1.5%		
U. Wt. P.C.F.	152.4		
W/C Ratio	0.42		



Debabrata Banerjee, P.E.

Compressive Strength vs. Water Cement Ratio



IMPACT

CONCRETE & CONTROL INSPECTIONS, INC.
15-46 129TH STREET, COLLEGE POINT, NEW YORK 11356
TEL: (718) 939-7774 FAX: (718) 939-6444

CONCRETE MIX DESIGN REPORT

CLIENT: Yashi Barki

DATE: 1/9/14

LAB NO.: 2014-1-9-14

MIX TYPE: 4000 Pump

METHOD: Trial

SAMPLED BY: Impact

DELIVERED BY: Impact

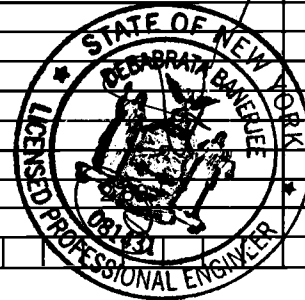
PROJECT: In House QC Mix 2012/13
 449 Evergreen Avenue

SUPPLIER: Liberty ready Mix

3500 psi + 1200 A.E. Concrete Pump @ 28 Days

Aggregate Gradation Passing Percent Finer

Sieve Size	F.A.	C.A.
2"		
1 1/2"		100.00
1"		100.0
3/4"		
1/2"		26.00
3/8"	100.0	
# 4	95.2	2.5
# 8	90.0	1.0
# 16	85.2	
# 30	52.0	
# 50	10.2	
# 100	1.2	
FM		
Unit Weight Dry Rodded		
Specific Gravity	2.64	
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	26.9	600	0	0	0	1400	1700	30.2	2.1	29.7	N/A	152.4	6.00	0.42	4.5
2	27.0	660	0	0	0	1325	1700	31.7	1.8	32.7	N/A	149.6	8.00	0.40	6.0
4	26.5	752	0	0	0	1125	1700	33.5	1.6	37.2	N/A	151.6	8.50	0.37	4.5

COMPRESSIVE STRENGTH RESULTS (ASTM C39) - P.S.I. (4" x8" Cylinders)---

Point	w/c ratio	7 Days Results	Average	28 Days Results	Average
1	0.419	6391	6471	7657	8159
2	0.400	8487	7486	9681	9323
4	0.371	8628	8869	10812	10725

Tag Used : 74001-74018 . Sued sam propotions as last year. No customer complain