



DEPT BLDGS Job No. 440341630
Scan Code ESHS6659171

	Material Type	Material Source	ASTM Standard			
Cementitious #1 (lbs)	Cement	Lehigh Type 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	1425 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	31.0 gals.	gals.	gals.
Admixture #1 (oz)	Air	BASF MBAE 90	C-260	5.6 oz	oz	oz
Admixture #2 (oz)	HRWR	Glennium 7500	C-494	42.0 oz	oz	oz
Admixture #3 (oz)				oz	oz	oz
Other						
Water-Cement Ratio				0.43		
Slump/Spread (inches $\pm$ tolerance)		3" Max Slump		8.0 $\pm$ 1.0	$\pm$	$\pm$
Air Content (% $\pm$ tolerance)				5.0 $\pm$ 1.5	$\pm$	$\pm$
Unit Weight (lbs./ft ³)				145.2 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

05-25-17

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) ANTHONY MASTROREALE Title PRESIDENT

Signature

Date

05-01-17

NRMCA Certification Expiration Date (BC 1095.8.2) 3-24-18Business Name Mastro Ready MixBusiness Telephone 718-528-6788Business Address 154-33 Brookville BlvdBusiness Fax: 718-528-6788City RosadaleState NYZip 11422**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)

Anthony Portillo

Signature

6-30-17

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) DIANE FOCARINO Title Homeowner

Signature

Date

6-1-17

IMPACT

CONCRETE & CONTROL INSPECTIONS, INC.

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

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

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

CONCRETE MIX DESIGN REPORT

CLIENT:	Michael Wilder	DATE:	7/18/16
		Expire On	7/18/2018
		MIX TYPE:	NW pump
		METHOD:	Trial
Project:	Impact Reference Mix	SAMPLED BY:	Impact
	723 Walton Road, Queens (For work 5/25/17 and onwards only)	DELIVERED BY:	Impact
Supplier:	Mastro Ready Mix		

4000 psi + 1200 A.E. Regular Concrete Pump @ 28 Days

Product	Source & Type	ASTM	S.G.	NYS Source No.
Cement	Lehigh Type I/II	ASTM C150	3.15	-
Slag		ASTM C989	2.85	-
Fly Ash		ASTM C618	2.20	-
Silica Fume		ASTM C1240	2.20	-
Fine Agg.	LI Natural(Roanoke)	ASTM C33	2.61	-
Coarse Agg.	Tilcon #57	ASTM C33	2.80	-
Water	NYC	ASTM C94	1.00	-
Admixture 1	MBAE-90	ASTM C260	1.03	-
Admixture 2	BASF - Glennium 7500	ASTM C494	1.20	-
Admixture 3				-

Recommended Mix Design # 2

Cement (lbs.)	600	Sacks	6.38
Slag (lbs.)	0		
Fly Ash (lbs.)	0		
Microsilica (lbs.)	0		
Fine Agg. (lbs.)	1425		
Coarse Agg. (lbs)	1700	(Dry)	
Water (gals.)	31.0		
Admixture 1 (oz.)	5.6		
Admixture 2 (oz.)	42.0		
Admixture 3 (oz.)	---		
Slump (in.)	8.0" +/- 1"	(3" Max Slump before add admixture #2)	
Air Content (%)	5 % +/-1.5%		
U. Wt. P.C.F.	145.2		
W/C Ratio	0.43		

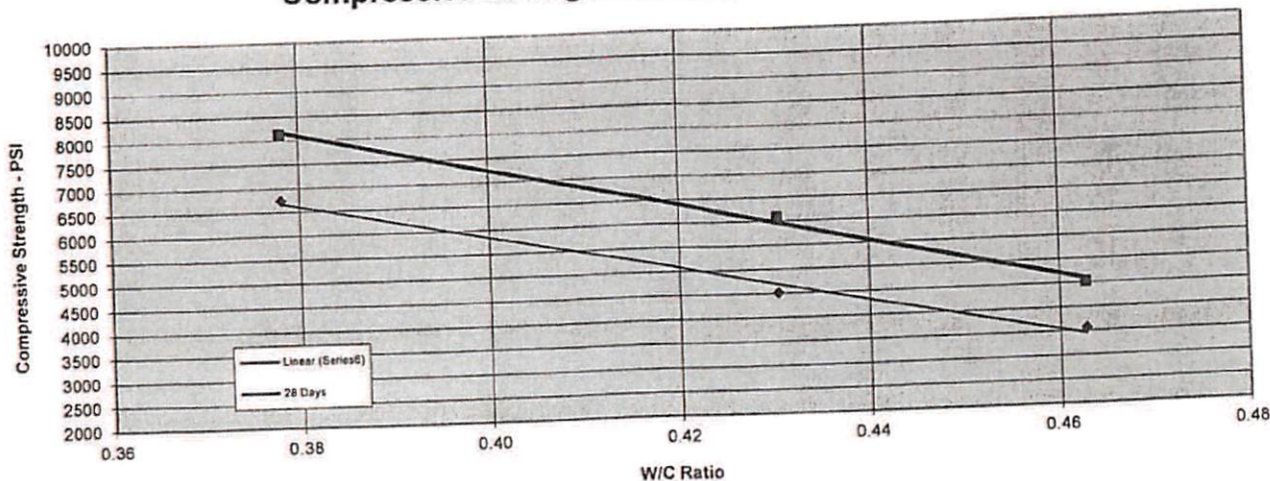
Need Batch Ticket with all trucks
Owner To Supply Concrete Breaks
Immediately. Admixture can be 1
adjusted per NYC DOB Bulletin 2010 -018
Dated 6-18-10

Sample /Not Valid without Signature

Debabrata Banerjee, P.E.



Compressive Strength vs. Water Cement Ratio



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

DATE: 7/18/16
 LAB NO.: 7/18/2018
 MIX TYPE: NW pump
 METHOD: Trial
 SAMPLED BY: Impact
 DELIVERED BY: Impact
 CLIENT: Michael Wilder
 PROJECT: Impact Reference Mix
 723 Walton Road, Queens (For work 5/25/17 and onwards only)
 SUPPLIER: Mastro Ready Mix
 4000 psi + 1200 A.E. Regular Concrete Pump @ 28 Days

Aggregate Gradation

Passing Percent Finer

Fine Aggregates

100.00	100.00
100.0	100.0
90.6	90.6
-	-
-	-
-	-
-	-
50.0	100.0
9.0	99.6
3.0	93.0
0.0	81.4
55.7	16.8
2.0	2.51
2.63	2.63

Sieve Size
 2"
 1 1/2"
 1"
 3/4"
 1/2"
 3/8"
 #4
 #8
 #16
 #30
 #50
 #100
 FM
 Unit Weight Dry Rodded
 Specific Gravity
 Colometric Test

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	54.0	0	0	0	1475	1720	30.0	4.3	38.0	N/A	146.0	7.25	0.46	6.0
2	27.0	600	0	0	0	1425	1700	31.0	5.6	42.0	na	145.2	7.00	0.43	5.1
3	27.3	705	0	0	0	1360	1700	32.0	5.8	46.0	N/A	144.0	8.25	0.38	5.0

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	0.46	3428	3563	4492	4800
2	0.43	4379	4508	5629	6087
3	0.38	7223	6746	7785	8126

Point	w/c ratio	3 Days Results	Average	56 Days Results	Average
1	0.46	2942	2980		
2	0.43	4103	3852		
3	0.38	5641	5738		