



TR3: Technical Report Concrete Design Mix

Must be typewritten.

DEPT BLDGS Job No. 421884321



Scan Code ESHS1654330

The TR3 is required prior to permit

1 Location Information *Required for all applications.*

House No(s) 108-29

Street Name 67 Drive

Borough Queens

Block 2177

Lot 47

BIN 4051900

CB No. 406

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

Director Last Name RASABI

Director First Name ELIAS

Director Middle Initial S

Business Name CITY-WIDE TESTING & CONSULTING GROUP, INC.

Business Telephone (718) 326-5900

Business Address 59-25 GRAND AVENUE

Business Fax (718) 326-5300

City MASPETH

State NY

Zip 11378

Mobile Telephone

E-Mail INFO@CITYWIDETESTING.COM

Director's Lic. Number 060916

☒ P.E. ☐ R.A.

Concrete Testing Lab Lic. Number 55

3 Strength Requirements and Design *Required for all applications. Attach Trial Mixture Report 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	10/2/2018		
Specified Strength (f' c)	4000		
Required Strength (f' cr)	5200		
Specified Test Age (Days)	28		

	Material Type	Material Source	ASTM Standard			
Cementitious #1 (lbs)	TYPE I / II	LAFARGE/HOLCEM	C-150	430 lbs.	lbs.	lbs.
Cementitious #2 (lbs)	SLAG	LEHIGH ALLCEM 120		240 lbs.	lbs.	lbs.
Cementitious #3 (lbs)				lbs.	lbs.	lbs.
Fine Aggregate (lbs)	NATURAL SAND	LI NAT/CORAM	C-33	1360 lbs.	lbs.	lbs.
Coarse Aggregate #1 (lbs)	CRUSHED B.S. #67	TILCON NY	C-33	1740 lbs.	lbs.	lbs.
Coarse Aggregate #2 (lbs)				lbs.	lbs.	lbs.
Coarse Aggregate #3 (lbs)				lbs.	lbs.	lbs.
Amount of Water (gals)	POTABLE	CITY	C-94	30.0 gals.	gals.	gals.
Admixture #1 (oz)	ENTRAINED AIR	EUCLID	C-260	4.0 oz	oz	oz
Admixture #2 (oz)	WATER REDUCER	PLASTOL 5000	C-494	30.0 oz	oz	oz
Admixture #3 (oz)				oz	oz	oz
Other						
Water-Cement Ratio				0.37		
Slump/Spread (inches $\pm$ tolerance)			C-143	8.0 $\pm$ 1.0	$\pm$	$\pm$
Air Content (% $\pm$ tolerance)			C-231	6.0 $\pm$ 1.5	% $\pm$	% $\pm$
Unit Weight (lbs./ft ³)			C-138	146.0 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.

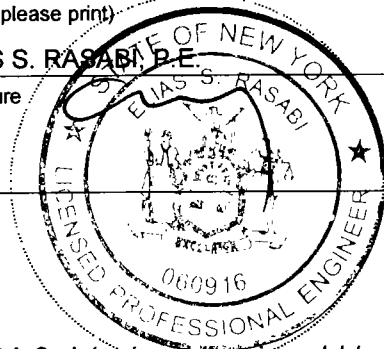
Name (please print)

ELIAS S. RASABI, P.E.

Signature

Date

07-25-19



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) JASON STRULL

Title MANAGER

Signature

Date

8/12/19

NRMCA Certification Expiration Date (BC 1095.8.2)

8-1-21

Business Name BEST CONCRETE MIX CORP.

Business Telephone 718-463-5500

Business Address 35-10 COLLEGE POINT BOULEVARD

Business Fax:

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).

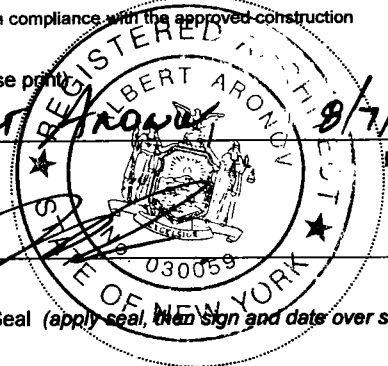
Name (please print)

ALBERT ARONOV

Signature

Date

8/7/19



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)

Iosif Gulkarov

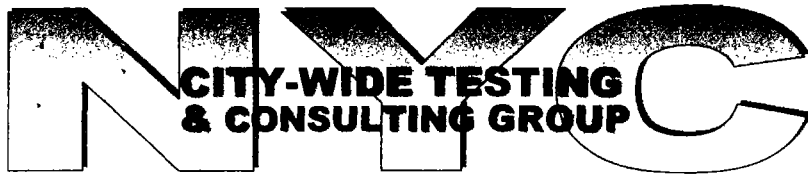
Title

Owner

Signature

Date

08/11/2019



TR-1 SPECIAL INSPECTIONS
TR-2 CONCRETE INSPECTIONS
TR-8 ENERGY CODE INSPECTIONS
CONCRETE CORING
SOIL BORINGS

CLIENT: Remax Construction

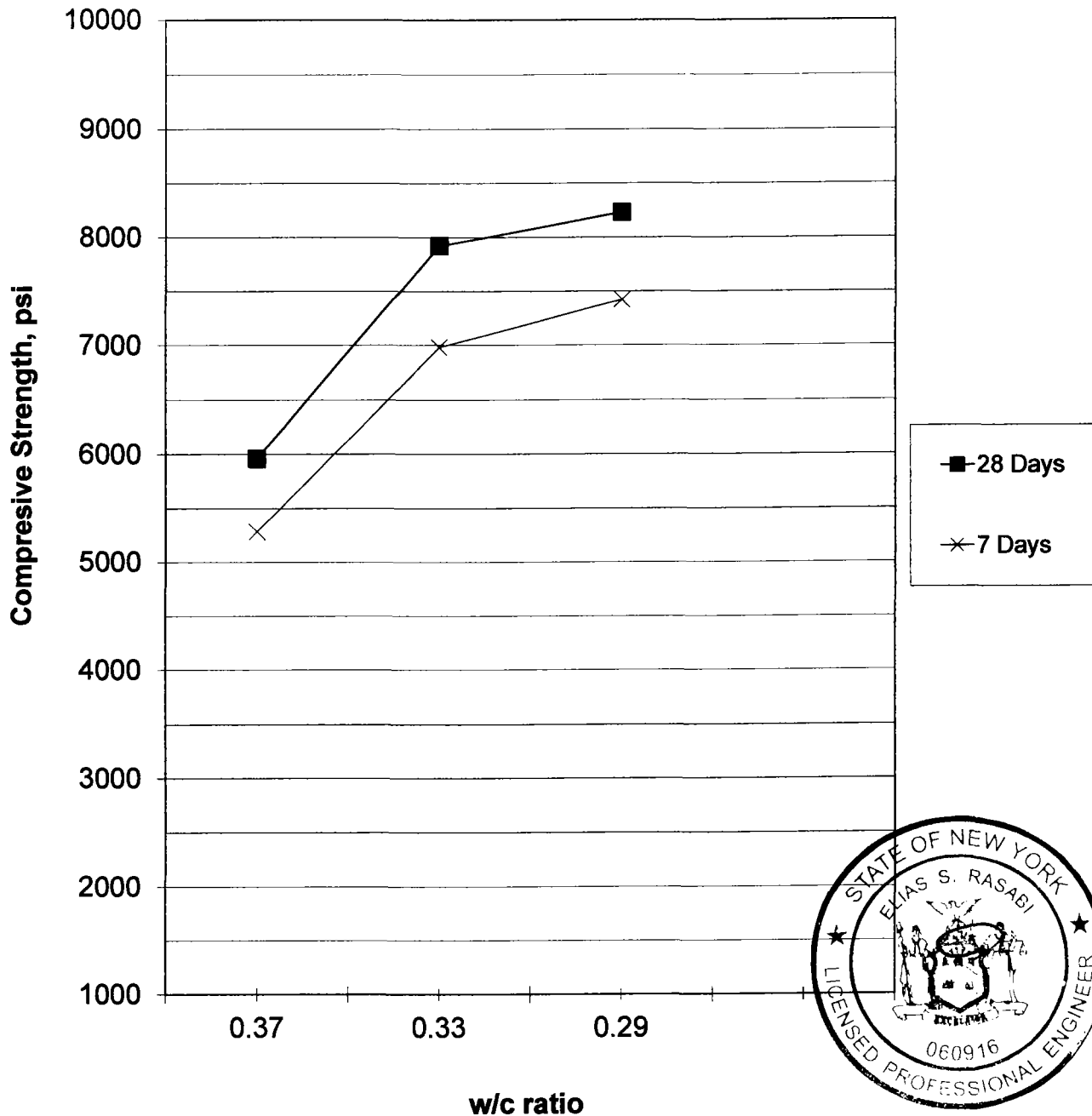
DATE: 7/25/2019

PROJECT LOCATION: 108-29 67 Drive Queens NY

PROJECT NUMBER: BLOCK: 2177 LOT: 47 BIN: 4051900 CB: 406

REQUIRED STRENGTH, f_{cr} : 4,000 +1,200PSI | N.W. | PUMPABLE | TRIAL #1

PROPOSED SUPPLIER: BEST CONCRETE





CONCRETE MIX DESIGN REPORT (ACI-318)			
Client:	Remax Construction	Trial Mix Date:	10/2/2018
Project Location:	10829 67 Drive Queens	Mix No.:	BCM2018NW
Project Number:	BLOCK:2177 LOT:47 BIN: 40519000 CB:406	Supplier:	BEST CONCRETE MIX
f'c+f'cr:	4,000 + 1,200PSI N.W. PUMPABLE TRIAL #1		

AGGREGATE GRADATION												
SIEVE	1"	3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	F.M.	Sp. Gr.
Fine Aggregate				100.0	99.7	94.2	82.9	54.7	11.5	2.4		2.64
Coarse Aggregate	100.0	96.3		36.5	1.1	0.2						2.82
ASTM C-33 Fine Agg.				100	95-100	80-100	50-85	25-60	5-30	0-10		
ASTM C-33 Specs #67	100	90-100		20-55	0-10	0-5						

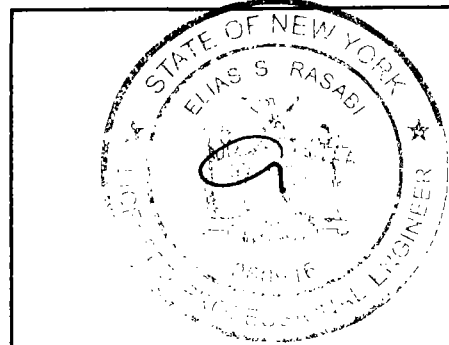
*Aggregate batching weights are S.S.D. condition. Additional adjustments may be needed.

*Bluestone #67

*Air entrainment, water reducer, set retarder, and set accelerator may be adjusted as needed and weather conditions following manufacturer recommendations and upon approval of the Engineer of Record

BATCH PROPORTIONS PER CUBIC YARD							
Material	Type	Source	ASTM	Trial 1	Trial 2	Trial 3	Sp. Gr.
Specified Strength				4000	5000	5950	
CEMENT (lbs.)	I/II	LAFARGE/HOLCE	C-150	430	460	490	3.15
CEMENTITIOUS (lb)	SLAG	LEHIGH ALLCEM	C-989	240	280	300	2.88
FINE AGG. (lbs.)	Nat. Sand	LI NAT/CORAM	C-33	1360	1310	1290	2.64
COARSE AGG. (lbs)	Crushed Stone #67	TILCON NY	C-33	1740	1740	1740	2.82
WATER (gal.)	Potable	CITY	C-94	30.0	29.0	27.0	1.00
ADMIX 1 (oz.)	Entrained Air	EUCLID	C-260	4	5	4	1.03
ADMIX 2 (oz.)	Water Reducer	EULCID PLASTOL	C-494	30	42	52	1.05
ADMIX 3 (oz.)	Retarder	BASF POZZ 200	C-494	0	0	0	
SLUMP (in.)				8 1/4	8	9	
Air (%)				6.0	6.5	4.6	
Unit Wt. (lbs/ft ³)				146.0	145.0	149.9	
Yield (ft ³)				27	27	27	
w/c ratio				0.37	0.33	0.29	
Workability				GOOD	GOOD	GOOD	

Test Age	Specified Strength, f'c (nearest 10 psi)		
	4000	5000	5950
7 days	5210	7260	7530
	5490	7210	7470
	5440	6950	7330
	5270	7490	7680
	4970	6780	7550
	5140	6480	7260
Average	5,280	6,980	7,420
28 days	5440	7400	8160
	5500	7020	8130
	5170	7390	8340
	5250	7480	8270
	6110	7820	8050
	6330	8550	8490
Average	5,960	7,920	8,230



N.Y. State PE Seal
City-Wide Testing, Inc.- Laboratory Director
NYC DOB Concrete Lab License #55