



TR3: Technical Report
Concrete Design Mix
Must be typewritten

DEPT BLDGS Job No. 421270127
Scan Code ESHS3084482

The TR3 is required prior to permit

1 Location Information Required for all applications.

House No(s) 40- 50 Street Name 68 STREET
Borough QUEENS Block 1299 Lot 54 BIN 4607815 CB No. 402

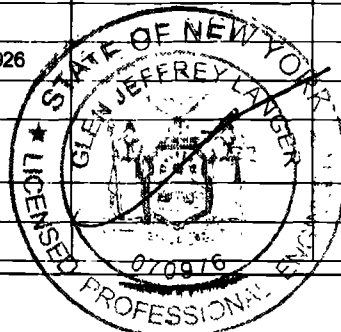
2 Applicant Information - Licensed Concrete Testing Lab Required for all applications

Director Last Name LANGER Director First Name GLEN Director Middle Initial J.
Business Name S&S CONCRETE AND SOIL TESTING Business Telephone (718) 961-1000
Business Address 20-39 129th Street Business Fax 718 962 1000
City College Point State N.Y Zip 11356 Mobile Telephone
E-Mail SSC2039@gmail.com
Director's Lic. Number 070976 ☒ P.E. ☐ R.A. Concrete Testing Lab Lic. Number 82

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	08-06-16		
Specified Strength (f' c)	4000 PSI		
Required Strength (f' cr)	5200 PSI		
Specified Test Age (Days)	28		

	Material Type	Material Source	ASTM Standard			
Cementitious #1 (lbs)	CEMENT	HOLCIM LAFARGE	ASTM C-150	610 lbs.	lbs.	lbs.
Cementitious #2 (lbs)				lbs.	lbs.	lbs.
Cementitious #3 (lbs)				lbs.	lbs.	lbs.
Fine Aggregate (lbs)	SAND	L.I. NATURAL	ASTM C-33	1329 lbs.	lbs.	lbs.
Coarse Aggregate #1 (lbs)	STONE	TILCON	ASTM C-33	1730 lbs.	lbs.	lbs.
Coarse Aggregate #2 (lbs)				lbs.	lbs.	lbs.
Coarse Aggregate #3 (lbs)				lbs.	lbs.	lbs.
Amount of Water (gals)	WATER	NYC POTRABLE	ASTM C-94	32.0 gals.	gals.	gals.
Admixture #1 (oz)	AIR	MBVR	ASTM C-260	3.5 oz	oz	oz
Admixture #2 (oz)	HRWR	PLASTOL 5000	ASTM C-494	33.6 oz	oz	oz
Admixture #3 (oz)				oz	oz	oz
Other	Tags 22887-22926					
Water-Cement Ratio				0.44		
Slump/Spread (inches ± tolerance)				8 ± 1	±	±
Air Content (% ± tolerance)				6 % ± 1.5	% ±	% ±
Unit Weight (lbs./ft ³)				146.2 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.

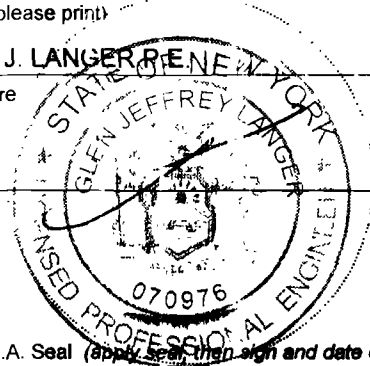
Name (please print)

GLEN J. LANGER

Signature

Date

05-11-17



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)

DALWIP SINGH

Title

MANAGER

Signature

D Singh

Date

06-02-17

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

Business Name BEST CONCRETE MIX

Business Telephone (718) 463-5500

Business Address 35-10 COLLEGE POINT BOULEVARD

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 applicable construction documents (BC 1905.6).

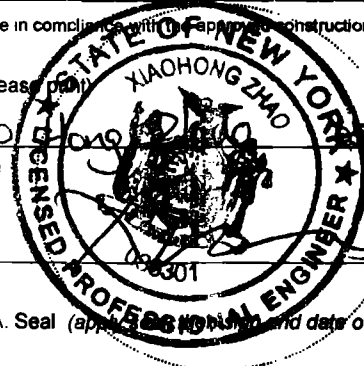
Name (please print)

XIAOHONG ZHAO

Signature

Date

05/25/17



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)

Changlin Xue

Title

Signature

C Xue

Date

05/25/17

S&S CONCRETE & SOIL TESTING

20-39 129TH ST, COLLEGE POINT, NEW YORK 11356

PH: (718) 961-100 FAX (718) 961-1002

Email: SSC2039@gmail.com

N.Y.C. D.O.B. License #8

CONCRETE MIX DESIGN REPORT

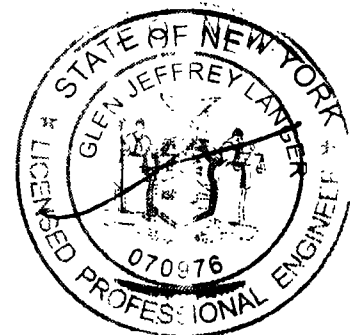
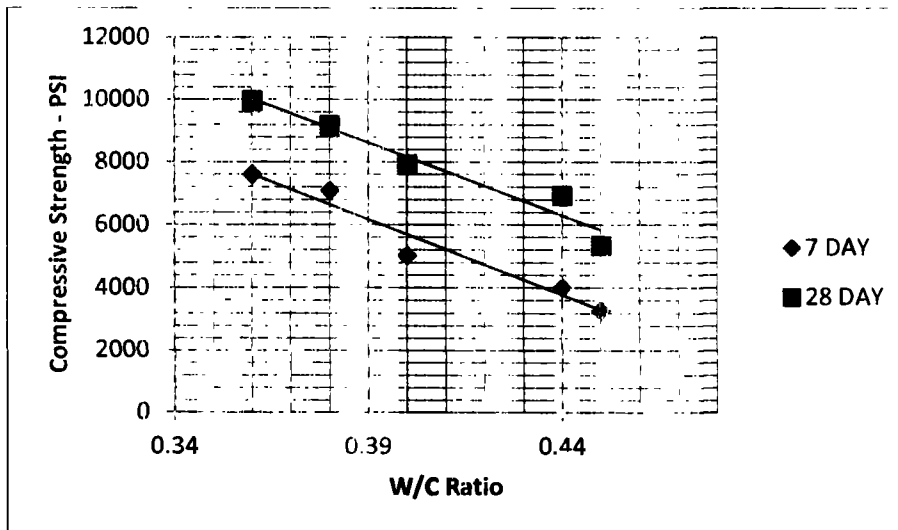
Client: CITY WIDE TESTING INC	Report Date: 05-11-2017
Project Address: 40-50 68 STREET, QUEENS (work only 05/11/2017 onwards)	Trial Mix Date: 08-06-2016
Specified Strength f'_c - f'_{cr} : 4,000 + 1200 A.E.	Expiration Date: 08-06-2018
Mix Type: PUMP	Mix No.: BE3050
Concrete Plant Supplier: Best Concrete Corp.	Tested By: S&S CONCRETE & SOIL TESTING
	Delivered By: S&S CONCRETE & SOIL TESTING

4,000 psi + 1200 A.E. Concrete Pump@ 28 days

Cement (lbs.)	610
Slag (lbs.)	-
Fly Ash (lbs.)	-
Microsilica (lbs.)	-
Fine Aggregate (lbs.)	1329
Coarse Aggregate (lbs.)	1730
Water (gals.)	32.0
Admixture 1 (oz.)	3.5
Admixture 2 (oz.)	33.6
Admixture 3 (oz.)	-
Slump (in.)	8.00 ± 1
Air Content (%)	6.00 ± 1.5
Unit Wt. P.C.F.	146.2
W/C Ratio	0.44

Cement	Holcim Lafarge	ASTM C150	3.15
Slag	essroc	ASTM C989	2.89
Fly Ash	-	ASTM C618	-
Silica Fume	-	ASTM C1240	-
Fine Aggregate	L.I. Natural	ASTM C33	2.63
Coarse Aggregate	Tilcon	ASTM C33	2.81
Water	NYC Potable	ASTM C94	1.00
Admixture 1	mbvr	ASTM C260	1.03
Admixture 2	Plastol 5000	ASTM C494	1.06
Admixture 3	-	ASTM C494	-

Note: Batch tickets must accompany every load of concrete.
Owner must supply test results to Best ASAP.
Only supplier can adjust admixture with field test data.
Per NYC DOB bulletin 2010-010 dated 06-18-10.



Glen J. Langer, P.E.

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CONCRETE MIX DESIGN REPORT

Client: CITY WIDE TESTING INC	Report Date: 05-11-2017	Mix No.: BE3050
Project Address: 40-50 68 STREET, QUEENS	Trial Mix Date: 08-06-2016	
(work only 05/11/2017 onwards)	Expiration Date: 08-06-2018	
Specified Strength f'c-f'cr: 4,000 + 1200	Tested By: S&S CONCRETE & SOIL TESTING	
Concrete Plant Supplier: Best Concrete Corp.	Delivered By: S&S CONCRETE & SOIL TESTING	

4,000 psi + 1200 A.E. Concrete Pump @ 28 days

Aggregate Gradation Passing Percent Finer

2"		
1 1/2"		
1"		100
3/4"		95.1
1/2"		-
3/8"	100	44.6
#4	99.0	8.2
#8	96.4	2.0
#16	76.1	
#30	50.0	
#50	16.4	
#100	1.7	
FM	2.60	

Unit Weight Dry Rodded

99.7

101.0

Specific Gravity

2.63

2.80

Colometric Test

Plate #1

TRIAL MIXES – TRIAL MIXES – DRY BATCH WEIGHTS (lbs. / cubic yards)

Point	Yield	Cement	Slag	Silica	FA	C.A	W	Adm.	Adm.	Adm.	Adm.	Adm.	Adm.	Adm.	Adm.	Adm.
1	27.00	570	-	-	-	1284	1730	32.0	4.0	28.0	-	-	-	-	-	-
2	27.00	610	-	-	-	1229	1730	32.0	3.5	33.0	-	-	-	-	-	-
3	26.99	660	-	-	-	1287	1730	32.0	4.5	39.6	-	-	-	-	-	-
4	27.01	705	-	-	-	1249	1730	32.0	5.1	45.8	-	-	-	-	-	-
5	27.00	750	-	-	-	1212	1730	32.0	5.4	52.5	-	-	-	-	-	-

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

Point	W/C Ratio	1 Day Results	Average	28 Days Results	Average	28 Days Results	Average	28 Days Results	Average	28 Days Results	Average
1	0.45	3270	3310	3290	5370	5290	5400	5350	N/A	N/A	N/A
2	0.44	3940	4090	4015	7010	6780	7030	6940	N/A	N/A	N/A
3	0.40	4995	5050	5020	7860	8040	7930	7940	N/A	N/A	N/A
4	0.38	7020	7160	7090	9180	9370	9040	9195	N/A	N/A	N/A
5	0.36	7560	7640	7600	9910	9960	10120	9995	N/A	N/A	N/A

Note: Sample Broken By: ACI #: Jorge Lopez / ACI # 01208239

Master Builder supply Air, euclid plastol 5000

Tags Used: S&S 22867-22926

Sample Supplied By: Best Concrete Corp.

Cement Picked Up From: Best Concrete Corp.

