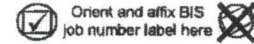




TR3: Technical Report
Concrete Design Mix
Must be typewritten.



The TR3 is required prior to permit

1 Location Information *Required for all applications.*

House No(s) **719** Street Name **EAST 235 STREET** (work only 11-07-2022 onwards)
 Borough **BRONX** Block **4999** Lot **40** BIN **2116088** CB No. **212**

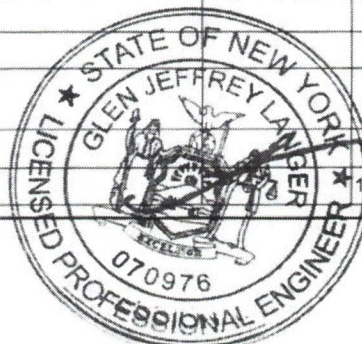
2 Applicant Information - Licensed Concrete Testing Lab *Required for all applications.*

Director Last Name **LANGER** Director First Name **GLEN** Director Middle Initial **J.**
 Business Name **S & S CONCRETE & SOIL TESTING** Business Telephone **(718) 961-1000**
 Business Address **20-39 129th Street** Business Fax **(718) 961-1002**
 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 **000082**

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	01-16-22		
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 I/II	ASTM C-150	580 lbs.	lbs.	lbs.
Cementitious #2 (lbs)				lbs.	lbs.	lbs.
Cementitious #3 (lbs)				lbs.	lbs.	lbs.
Fine Aggregate (lbs)	SAND	SILL ROAD MATERIALS	ASTM C-33	1387 lbs.	lbs.	lbs.
Coarse Aggregate #1 (lbs)	STONE	TILCON	ASTM 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 POTABLE	ASTM C-94	32.0 gals.	gals.	gals.
Admixture #1 (oz)	AIR	SIKA AIR	ASTM C-260	3.4 oz	oz	oz
Admixture #2 (oz)	HRWR	VISCOCRETE 2100	ASTM C-260	29.2 oz	oz	oz
Admixture #3 (oz)				oz	oz	oz
Other	Tags 101979-102026					
Water-Cement Ratio				0.45		
Slump/Spread (inches ± tolerance)				8.0 ± 1.0	±	±
Air Content (% ± tolerance)				5.0 % ± 1.5	% ±	% ±
Unit Weight (lbs./ft³)				145.7 lbs./ft³	lbs./ft³	lbs./ft³



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

11-07-22



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)	SURJEET KAUR	Title	Member
Signature	[Signature]	Date	11/7/22
Business Name	GREEN READY MIXX LLC	NRMCA Certification Expiration Date (BC 1095.8.2)	
Business Telephone	718-454-0900	Business Fax:	
Business Address	183-30 JAMAICA AVE	City	QUEENS
State	NY	Zip	11423

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)

Pirooz Soltanizadeh

04/15/23

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 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)

Josh Navi

Title

Owner

Signature

Date

11/8/22

S & S CONCRETE & SOIL TESTING

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

PHONE: (718) 961-1000 FAX: (718) 961-1002

Email: SSC2039@gmail.com

N.Y.C. D.O.B. License #82

CONCRETE MIX DESIGN REPORT

Client: JOSH	Report Date: 11-07-2022
Project Address: 719 EAST 235 STREET, BRONX	Trial Mix Date: 01-16-2022
(work only 11-07-2022 onwards)	Expiration Date: 01-16-2024
Specified Strength f'_c-f'_{cr}: 4,000 psi + 1,200 A.E.	Mix No.: GRE7015
Mix Type: Pump	Tested By: S&S CONCRETE & SOIL TESTING
Concrete Plant Supplier: Green Ready Mix	Delivered By: Green Ready Mix

4,000 psi + 1,200A.E. Concrete Pump @ 28 days

Recommended Mix Design # 2	
Cement (lbs.)	580
Slag (lbs.)	-
Fly Ash (lbs.)	-
Fine Aggregate (lbs.)	1387
Coarse Aggregate (lbs.)	1700
Water (gals.)	32.0
Admixture 1 (oz.)	3.4
Admixture 2(oz.)	29.2
Admixture 3 (oz.)	-
Slump (in.)	8.00 ± 1.00
Air Content (%)	6.00 ± 1.50
Unit Wt. P.C.F.	145.7
W/C Ratio	0.45

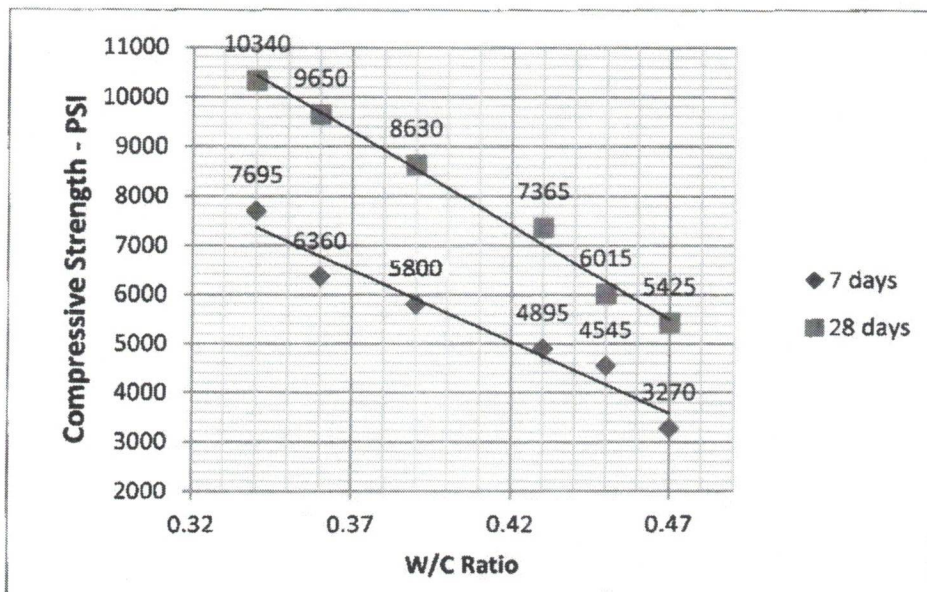
Product	Type & Source	ASTM	S.G.
Cement	Holcim I / II	ASTM C150	3.15
Slag	-	ASTM C989	-
Fly Ash	-	ASTM C618	-
Fine Aggregate	Sills Road Material	ASTM C33	2.63
Coarse Aggregate	Tilcon	ASTM C33	2.81
Water	NYC Potable	ASTM C94	1.04
Admixture 1	Sika Air	ASTM C260	1.03
Admixture 2	Viscocrete 2100	ASTM C260	1.03
Admixture 3	-	ASTM C494	1.06

Note: Batch tickets must accompany every load of concrete.

Owner must supply test results to green ASAP.

Only supplier can adjust admixture with field test data.

Per NYC DOB bulletin 2010-018 dated 06-18-10.



Glen J. Langer, P.E.

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N.Y.C. D.O.B. License #82

CONCRETE MIX DESIGN REPORT

Client: JOSH	Report Date: 11-07-2022	Mix No. GRE7015
Project Address: 719 EAST 235 STREET, BRONX	Trial Mix Date: 01-16-2022	
(work only 11-07-2022 onwards)	Expiration Date: 01-16-2024	
Specified Strength f'_c - f'_{cr} : 4,000 psi + 1,200 A.E.	Tested By: S&S CONCRETE & SOIL TESTING	
Concrete Plant Supplier: Green Ready Mix	Delivered By: Green Ready Mix	

4,000 psi + 1,200 A.E. Concrete Pump @ 28 days

Aggregate Gradation Passing Percent Finer

Sieve Size	Fine Aggregates	#67 Stone
1"		100
3/4"		95.7
1/2"		-
3/8"	100	47.3
#4	99.4	8.7
#8	91.1	0.1
#16	80.7	
#30	55.3	
#50	22.5	
#100	1.1	
FM	2.50	

Unit Weight Dry Rodded

100.1

99.8

Specific Gravity

2.63

2.81

Colometric Test

Plate #1

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

Point	Yield	Cement	Slag	Fly Ash	F.A	C.A 3/4	water	Adx .1	Adx. 2	Adx .3	Adx. 4	Unit Wt.	Slump (in)	W/C	Air %
1	26.99	550	-	-	1434	1700	32.0	3.1	25.3	-	-	144.1	8.00	0.47	5.90
2	27.02	580	-	-	1387	1700	32.0	3.4	29.2	-	-	144.6	8.25	0.45	5.30
3	27.00	620	-	-	1354	1700	32.0	3.2	31.4	-	-	143.7	8.50	0.43	5.10
4	27.00	680	-	-	1304	1700	32.0	3.7	35.2	-	-	143.1	8.25	0.39	5.40
5	27.00	740	-	-	1254	1700	32.0	2.9	40.1	22.2	22.2	144.9	8.00	0.36	5.70
6	26.99	790	-	-	1212	1700	32.0	3.1	42.9	23.7	23.7	143.7	8.25	0.34	5.30

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

Point	W/C Ratio	7 Days Results		Average	28 Days Results			Average	56 Days Results			Average
1	0.47	3345	3200	3270	5425	5280	5570	5425	N/A	N/A	N/A	N/A
2	0.45	4610	4480	4545	6265	6180	6205	6015	N/A	N/A	N/A	N/A
3	0.43	4970	4825	4895	7390	7415	7290	7365	N/A	N/A	N/A	N/A
4	0.39	5845	5760	5800	8640	8505	8745	8630	N/A	N/A	N/A	N/A
5	0.36	6405	6320	6360	9690	9760	9500	9650	N/A	N/A	N/A	N/A
6	0.34	7690	7705	7695	10425	10345	10255	10340	N/A	N/A	N/A	N/A

Tags Used: S & S 101979 - 102026

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

Sika supply all admixture

Cement Picked Up From: Green Ready Mix



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