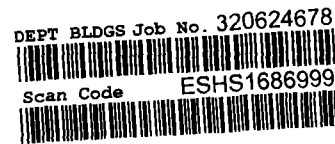




TR3: Technical Report
Concrete Design Mix

Must be typewritten.



The TR3 is required prior to permit

1 Location Information Required for all applications.

House No(s) 825 Street Name MONROE STREET (work only 10-07-2016 onwards)
Borough BROOKLYN Block 1480 Lot 69 BIN 3039643 CB No. 303

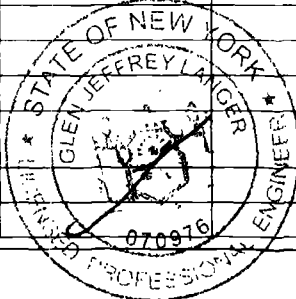
2 Applicant Information - Licensed Concrete Testing Lab Required for all applications.

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 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	09-03-16		
Specified Strength (f' c)	3500 PSI		
Required Strength (f' cr)	4700 PSI		
Specified Test Age (Days)	28		

	Material Type	Material Source	ASTM Standard			
Cementitious #1 (lbs)	CEMENT	LEHIGH 1-11	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	1428 lbs.	lbs.	lbs.
Coarse Aggregate #1 (lbs)	STONE (DRY) L W	SOLITE	ASTMC-330	830 lbs.	lbs.	lbs.
Coarse Aggregate #2 (lbs)	STONE (SSD) L W	SOLITE	ASTMC-330	946 lbs.	lbs.	lbs.
Coarse Aggregate #3 (lbs)				lbs.	lbs.	lbs.
Amount of Water (gals)	WATER	NYC POTABLE	ASTMC-94	32.0 gals.	gals.	gals.
Admixture #1 (oz)	AIR	SIKA AIR	ASTMC-260	4.5 oz	oz	oz
Admixture #2 (oz)	HRWR	SIKAMENT 686	ASTMC-494	61.0 oz	oz	oz
Admixture #3 (oz)				oz	oz	oz
Other	Tags 22927-22953					
Water-Cement Ratio				0.44		
Slump/Spread (inches $\pm$ tolerance)				8 $\pm$ 1	$\pm$	$\pm$
Air Content (% $\pm$ tolerance)				6 $\pm$ 1.5	% $\pm$	% $\pm$
Unit Weight (lbs/ft ³)				116.1 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.

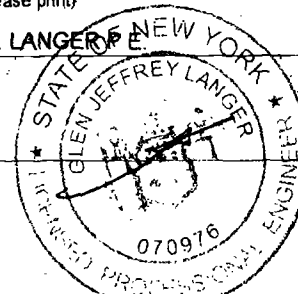
Name (please print)

GLEN J. LANGER

Signature

Date

10-07-16



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)	LINDA GISONDA	Title	PRESIDENT
Signature		Date	NRMCA Certification Expiration Date (BC 1095.8.2) 10-15-17
Business Name	TEC-CRETE READY MIX INC.	Business Telephone	718-526-1700
Business Address	4673 METROPOLITAN AVENUE	Business Fax:	0
City	RIDGEWOOD	State	NY
		Zip	11385

6 Design Applicant's Statement and Signature Required for all applications. Must be filled out by P.E./R.A. responsible for plans.

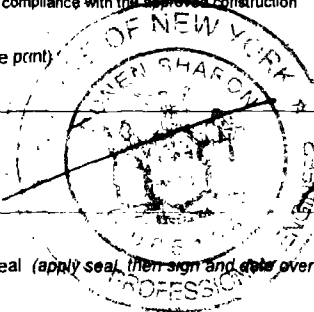
I certify I have reviewed the concrete design mix(es) reported by the licensed testing lab and found them to be in compliance with the approved construction documents (BC 1905.6).

Name (please print)

Signature

Date

10-10-16



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) PINCHOS LOKETCH

Title OWNER

Signature

Date 11/8/2016

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 #82

CONCRETE MIX DESIGN REPORT

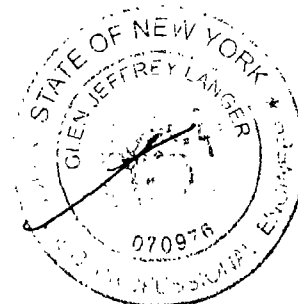
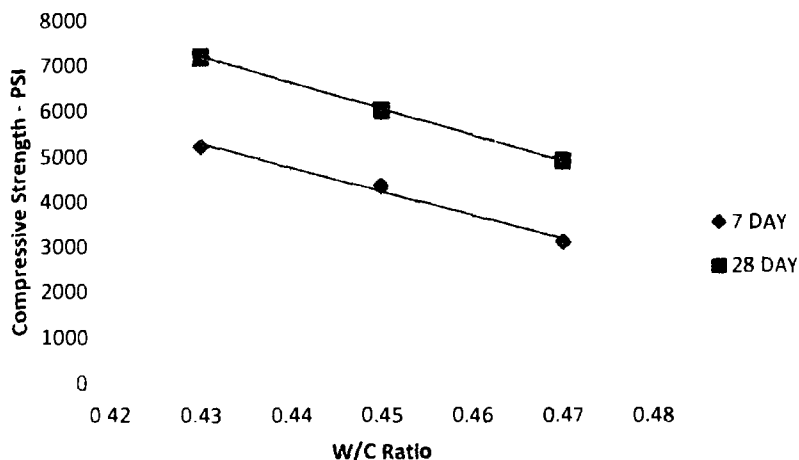
Client: B MANAGMENT	Report Date: 10-07-2016
Project Address: 825 MONROE STREET, BROOKLYN	Trial Mix Date: 09-03-2016
(work only 10/07/2016 onwards)	Expiration Date: 09-03-2018
Specified Strength f'c-f'cr: 3,500 + 1200 A.E.	Mix No.: TEC7990
Mix Type: L/W Pump	Tested By: S&S CONCRETE & SOIL TESTING
Concrete Plant Supplier: Tec-Crete Ready Mix	Delivered By: S&S CONCRETE & SOIL TESTING

3,500 psi + 1200 A.E. Concrete L/W Pump @ 28 days

Required Concrete Design	
Cement (lbs.)	610
Slag (lbs.)	-
Fly Ash (lbs.)	-
Fine Aggregate (lbs.)	1428
Coarse Aggregate (lbs.)	830 (DRY)
Coarse Aggregate (lbs.)	946 (SSD)
water	32.0
Admixture 1 (oz.)	4.5
Admixture 2 (oz.)	61.0
Admixture 3 (oz.)	-
Slump (in.)	8.00 ± 1
Air Content (%)	6.00 ± 1.5
Unit Wt. P.C.F.	116.1 dry
Unit Wt. P.C.F.	120.4 ssd
W/C Ratio	0.44

Material	Brand/Type	ASTM	Ratio
Cement	Leigh 1/11	ASTM C150	3.15
Slag	-	-	-
Fly Ash	-	ASTM C618	2.20
Fine Aggregate	L.I NATURAL	ASTM C33	2.63
Coarse Aggregate	SOLITE	ASTM C330	1.43
Coarse Aggregate	SOLITE	ASTM C330	1.43
Water	NYC POTABLE	ASTM C94	1.10
Admixture 1	SIKA AIR	ASTM C260	1.10
Admixture 2	SIKAMENT 686	ASTM C494	1.10
Admixture 3	-	ASTM C494	-

**Note: Batch tickets must accompany every load of concrete.
Owner must supply test results to Tec-Crete 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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PH: (718) 961-100 FAX (718) 961-1002

Email: SSC2039@gmail.com

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

CONCRETE MIX DESIGN REPORT

Client: B MANAGMENT	Report Date: 10-07-2016	Mix No TEC799
Project Address: 825 MONROE STREET, BROOKLYN	Trial Mix Date: 09-03-2016	
(work only 10/07/2016 onwards)	Expiration Date: 09-03-2018	
Specified Strength f'c-f'cr: 3,500 + 1200 A.E. L/W Pump	Tested By: S&S CONCRETE & SOIL TESTING	
Concrete Plant Supplier: Tec-Crete Ready Mix	Delivered By: S&S CONCRETE & SOIL TESTING	

3,500 psi + 1200 A.E. Concrete L/W Pump @ 28 days

Aggregate Gradation Passing Percent Finer

Sieve Size	Fine Aggregates	% Stone LW
2"		
1 1/2"		
1"		100
3/4"		95.4
1/2"		-
3/8"	100	40.1
#4	99.7	8.7
#8	97.2	1.2
#16	80.4	
#30	53.2	
#50	16.4	
#100	1.2	
FM	2.52	

Unit Weight Dry Rodded

100.1

59.0

Specific Gravity

2.63

1.43

Colometric Test

Plate #1

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

Point	Yield	Cement	Slag	Fly Ash	F.A	C.A dry	C.A ssd	Water	Adx.1	Adx.2	Adx. 3	Unit Wt.	Slump (in)	W/C	Air %
1	27.2	610	-	-	1428	830	946	32.0	4.5	61.0	-	118.5	8.00	0.44	5.25
2	27.0	700	-	-	1331	830	946	33.0	5.5	70.0	-	120.4	7.50	0.39	5.00
3	27.1	740	-	-	1276	830	946	34.0	6.0	74.0	-	121.6	8.25	0.38	5.50

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	0.44	3150	3080	3115	5010	4890	4900	4930				
2	0.39	4360	4400	4380	6050	6120	5990	6050				
3	0.38	5120	5370	5245	7160	7205	7345	7235				

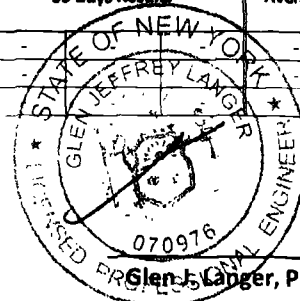
Note: Sample Broken By: ACI # JORGE LOPEZ/ ACI # 01208239

Sika Supplied Air & 686

Tags Used: S&S 22927-22953

Sample Supplied By: Tec-Crete Ready Mix

Cement Picked Up From: Tec-Crete Ready Mix



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