



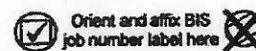
DEPT OF BLDGS 340800315

Job Number



ES918654716

Scan Code

**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) 5

Street Name Withers Street

Borough Brooklyn

Block 2307

Lot 23

BIN 3061721

CB No. 301

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	09/15/2020		
			Specified Strength (f' c)	3500		
			Required Strength (f' cr)	4700		
			Specified Test Age (Days)	28		
	Material Type	Material Source	ASTM Standard			
Cementitious #1 (lbs)	TYPE I / II	LAFARGE	C-150	620 lbs.	lbs.	lbs.
Cementitious #2 (lbs)				lbs.	lbs.	lbs.
Cementitious #3 (lbs)				lbs.	lbs.	lbs.
Fine Aggregate (lbs)	NATURAL SAND	CORAM	C-33	1520 lbs.	lbs.	lbs.
Coarse Aggregate #1 (lbs)	3/4" LIGHTWEIGHT S.S.D.	N.E. SOLITE	C-33	785 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	32.0 gals.	gals.	gals.
Admixture #1 (oz)	ENTRAINED AIR	SIKA AIR	C-260	1.0 oz	oz	oz
Admixture #2 (oz)	WATER REDUCER	VISCOCRETE 2100	C-494	24.8 oz	oz	oz
Admixture #3 (oz)				oz	oz	oz
Other						
Water-Cement Ratio				0.43		
Slump/Spread (inches ± tolerance)			C-143	8.0 ± 1.0	±	±
Air Content (% ± tolerance)			C-231	6.0 %± 1.5	%±	%±
Unit Weight (lbs./ft ³)			C-138	122.9 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.

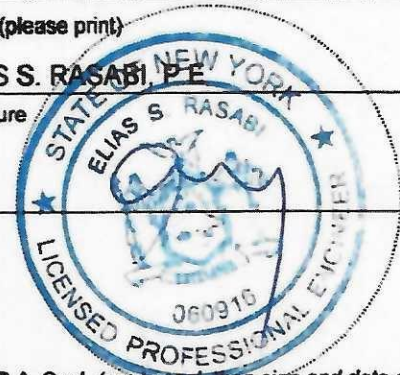
Name (please print)

ELIAS S. RASABI, P.E.

Signature

Date

08-05-21



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)

Daniel Lage

Title

Owner

Signature

Date

8/9/2021

NRMCA Certification Expiration Date (BC 1095.8.2)

Business Name LAGE INDUSTRIES CORP.

Business Telephone (718) 342-3400

Business Address 9814 DITMAS AVENUE

Business Fax:

City BROOKLYN

State NY

Zip 11236

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 1905.8).

Name (please print)

VACHAGAN GRIGORYAN

Signature

Date

08/09/2021



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) Yisroel Greenfeld

Title

Signature

Yisroel Greenfeld

Date 08-10-2021

WATER/CEMENT RATIO

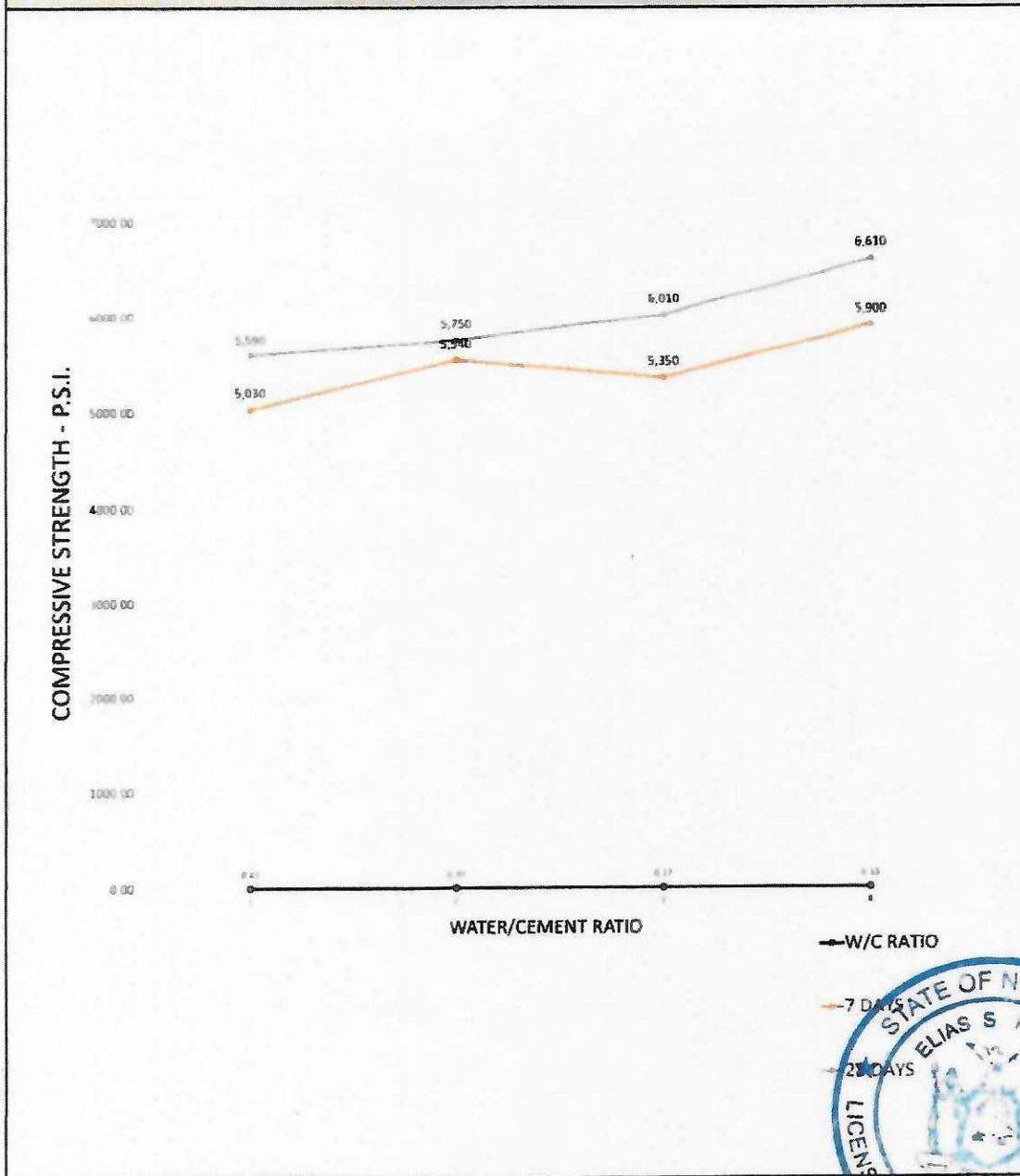
ACI-318 - 2020 FORM REVISION - NYC DOB CONCRETE TESTING LABORATORY LIC. #055

CITY-WIDE TESTING & CONSULTING GROUP

CONCRETE PRODUCER: LAGE INDUSTRIES
PROJECT LOCATION: 5 Withers Street
FC+FCR: 3,500 PSI + 1,200 PSI AT 28 DAYS / A/E / N/W / PUMP
TRIAL MIX DATE: 9/15/2020

MIX NO.: LAGE2020LW
CONCRETE TYPE: LIGHT WEIGHT
TRIAL MIX EXPIRATION DATE: 9/15/2022
SPECIFIED STRENGTH: 3,500 PSI

WATER/CEMENT RATIO GRAPH



N.Y. STATE P.E. SEAL - ELIAS S. RASAB

CITY-WIDE TESTING & CONSULTING GROUP - LABORATORY DIRECTOR

N.Y.C. D.O.B. CONCRETE TESTING LABORATORY LICENSE NO. #055



CONCRETE MIX DESIGN REPORT

ACI-318 - 2020 FORM REVISION - NYC DOB CONCRETE TESTING LABORATORY LIC. #055

CITY-WIDE TESTING
& CONSULTING GROUP

CONCRETE PRODUCER: <u>LAGE INDUSTRIES</u>		MIX NO.: <u>LAGE2020LW</u>
PROJECT LOCATION: <u>5 Withers Street</u>		CONCRETE TYPE: <u>LIGHT WEIGHT</u>
BLOCK: <u>2307</u>	LOT: <u>23</u>	BIN: <u>3081721</u>
PC+FCR: <u>3,500 + 1,200 AT 28 DAYS / A.E. / PUMP</u>		TRIAL MIX EXPIRATION DATE: <u>9/15/2022</u>
TRIAL MIX DATE: <u>8/15/2020</u>		SPECIFIED STRENGTH: <u>3500 PSI</u>

AGGREGATE GRADATION

SIEVE	1"	3/4"	1/2"	3/8"	#4	#8	#16	#30	#60	#100	F.M.	SP. GRAV.
FINE AGGREGATE				100.0	87.7	82.1	84.4	59.3	20.0	4.04		2.63
COARSE AGGREGATE	100.0	93.2		35.3	4.5	3.2						1.43
ASTM C-33 FINE AGG				100	85-100	80-100	60-85	25-60	5-30	0-10		
ASTM C-33 3/4" L.W.	100	90-100		20-65	0-10	0-5						

*AGGREGATE BATCHING WEIGHT ARE S.S.D. CONDITION. ADDITIONAL ADJUSTMENTS MAY BE NEEDED.

*3/4" LIGHT WEIGHT STONE S.S.D.

*AIR ENTRAINMENT, WATER REDUCER, SET RETARDER, AND SET ACCELERATOR MAY BE ADJUSTED AS NEEDED IN ACCORDANCE WITH THE MANUFACTURER RECOMMENDATIONS FOR WEATHER CONDITIONS UPON APPROVAL OF THE ENGINEER OF RECORD

BATCH PROPORTIONS PER CUBIC YARD

MATERIAL	TYPE	SOURCE	ASTM	TRIAL BATCH INFORMATION	SPECIFIC GRAVITY
CEMENT (LBS)	TYPE I / TYPE II	LAFARGE	C-150	620	POUNDS 3.15
CEMENTITIOUS (LBS)	SLAG	LAFARGE	C-989	0	POUNDS 2.40
FINE AGGREGATE (LBS)	NATURAL SAND	CORAM	C-33	1520	POUNDS 2.63
COARSE AGGREGATE (LBS)	3/4" LIGHTWEIGHT S.S.D.	N.E. SOLITE	C-33	785	POUNDS 1.43
WATER (GAL)	N.Y. POTABLE	N.Y.C.	C-84	32.0	GALLONS 1.00
ADMIX 1 (OZ.)	ENTRAINED AIR	SIKA	C-260	1.0	OUNCES 1.03
ADMIX 2 (OZ.)	WATER REDUCER	VIBCO 2100	C-484	24.8	OUNCES 1.06
ADMIX 3 (OZ.)	RETARDER	SIKA 475	C-484		OUNCES 1.02
ADMIX 4 (OZ.)	ACCELERATOR		C-484		OUNCES
SLUMP (IN)			C-143	8" +/- 1"	INCHES
AIR (%)			C-231	6.0% +/- 1.5%	PERCENT
UNIT WEIGHT (LBS/FT ³)			C-138	122.9	POUNDS
YIELD (FT ³)				27	
WATER/CEMENT RATIO				0.43	
WORKABILITY				GOOD	

3,500 PSI SPECIFIED STRENGTH - F'C (NEAREST 10 PSI)

TEST AGE	SPECIMEN I.D.	STRENGTH P.S.I.	RESULT AVERAGE
7 DAYS	AL1	5,050	5,030
	AL2	5,010	
28 DAYS	AL3	5,880	5,500
	AL4	5,750	
	AL5	5,060	
	AL6	5,670	

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