

ALL ISLAND TESTING ASSOCIATES, INC.

NYC DOB Lab #84
75B Pine Aire Drive, Bay Shore, NY 11706
Phone (631) 273-5717, Fax (631) 273-2457
WT40417

April 4, 2017

CLIENT: **Where To Get It Services, LLC**
1395 Pacific Street
Brooklyn, NY 11216

PROJECT: **2 Sandalwood Drive, Staten Island**

REQUIRED *f'cr*: 4000 PSI + 1200 PSI

TYPE: Pump, A/E, MRWR

CONCRETE SUPPLIER: Richmond Ready Mix

The following materials were submitted by the concrete supplier as typical of those proposed to be for this project.

CEMENT: Hercules/Buzzi Type I/II, ASTM C-150
SAND: Phoenix, ASTM C-33
STONE: Kingston-Trap Rock Industries, ASTM C-33
ADMIXTURE: Sika Air (C-260), Sikament 686 (C-494) – Sika

GRADATION TEST

<u>SAND</u>		<u>#57 STONE</u>	
<u>SIEVE SIZE</u>	<u>PERCENT PASSING</u>	<u>SIEVE SIZE</u>	<u>PERCENT PASSING</u>
3/8	100.0		
4	97.6	1"	100.0
8	87.6	1/2	50.1
16	74.2	#4	4.6
30	45.1	#8	2.3
50	13.4	#16	.9
100	2.2		

F.M. 2.74
S.G. 2.62
U.W.D.R. 84.26
Colormetric Test Plate No. 1

S.G. - 2.98

ALL ISLAND TESTING ASSOCIATES, INC.

NYC DOB Lab #84

75B Pine Aire Drive, Bay Shore, NY 11706

Phone (631) 273-5717, Fax (631) 273-2457

WT40417

WT40417

DRIED WEIGHTS PER CUBIC YARD PUMP

MIX NO.	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
TRIAL MIX DATE:	1/11/17	1/11/17	1/11/17	1/11/17
CEMENT (lbs)	517	564	611	660
SAND (lbs)	1514	1479	1444	1394
STONE (lbs)	1800	1800	1800	1800
SIKA AIR (oz)	2.5	2.7	3.0	3.3
% AIR	5.8	5.6	5.4	5.5
GALS OF WATER	29.2	29.4	29.6	29.8
INITIAL SLUMP(")	3.0	3.0	3.0	3.0
SIKAMENT 686(oz)	41.4	45.1	48.9	52.8
FINAL SLUMP (")	6.75	6.5	6.75	6.5
W/C RATIO	.47	.435	.40	.376
UNIT WEIGHT (#/ft ³)	151.1	151.6	152.1	152.1
YIELD	26.97	26.97	26.97	26.97

COMPRESSIVE STRENGTHS (6" x 12" Cylinders)

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
7 DAY	3019	3597	4078	4876
P.S.I.	3155	3679	3968	4580
	<u>3098</u>	<u>3608</u>	<u>4128</u>	<u>4682</u>
AVERAGE	3091	3628	4058	4713
28 DAY	4598	4897	5547	6089
P.S.I.	4427	4950	5390	6187
	<u>4590</u>	<u>4978</u>	<u>5382</u>	<u>5987</u>
AVERAGE	4538	4942	5440	6088

Based on the above, we suggest Mix No. 4 for 4000 P.S.I. at a maximum slump of 6+-1 ".

REMARKS: Chemical Admixtures might be adjusted as needed depending on Site and weather conditions following manufacturer's recommendations and upon approval of the Engineer of Record.

Respectfully Submitted,
ALL ISLAND TESTING

Daniel Quick
Daniel Quick

NOTE: These Trial Batches are Specific Only to the Listed Project & Concrete Supplier and are NOT VALID without a signature in ink. Any alterations would be considered fraudulent and could result in legal consequences.



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.

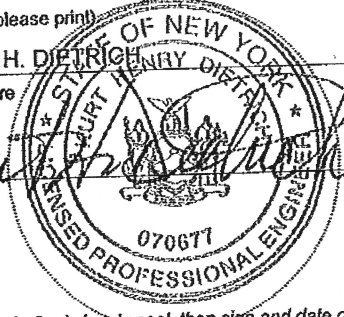
It is unlawful to give to a city employee, or for a city employee to accept, any benefit, monetary or otherwise, either as a gratuity for properly performing the job or in exchange for special consideration. Violation is punishable by imprisonment or fine or both.

Name (please print)

KURT H. DIETRICH

Signature

Date



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)

Scott Danco

Title

V.P.

Signature

Date

4/5/17

NRMCA Certification Expiration Date (BC 1095.8.2)

Business Name Richmond Ready Mix

Business Telephone

718 733 3648

Business Address 291 Chelsea Road

Business Fax:

929 364 0413

City Staten Island

State NY

Zip

10309 10314

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 NYC construction documents (BC 1905.6).

Name (please print)

Bruce Mawhin

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)

PETER WONG

Title

owner

Signature

Date

5/17/17