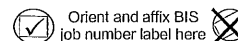




TR3P: Technical Report
Approved Producer
Concrete Design Mix

Must be typewritten.



The TR3P is required prior to permit

1 Location Information Required for all applications.

House No(s) 501 Street Name W 30th Street

Borough Manhattan Block 50 Lot 702 BIN 1012456 CB No. 104

2 Applicant Information - Approved Producer Required for all applications (QM = Producer Quality Manager).

QM Last Name Gasparini QM First Name Peter QM Middle Initial

Business Name USC Atlantic Concrete Laboratory Business Telephone (718) 456-2195

Business Address 57-00 47th Street Business Fax (718) 456-2357

City Maspeth State NY Zip 11378 Mobile Telephone (201) 741-0722

E-Mail pgasparini@us-concrete.com

Approved Producer's Identification Number: 000090

3 Strength Requirements and Design Required for all applications. Attach Trial Mixture Reports and/or Field Experience Results.

				Mix #1	Mix #2	Mix #3
Method of Determining Proportions (Trial Mixture and/or Field Experience)				<input checked="" type="checkbox"/> Trial Mix	<input type="checkbox"/> Trial Mix	<input type="checkbox"/> Trial Mix
				<input type="checkbox"/> Field Experience	<input type="checkbox"/> Field Experience	<input type="checkbox"/> Field Experience
Date Trial Mixture Performed				11/20/12		
Specified Strength (f_c)				4000 PSI	PSI	PSI
Required Strength (f_{cr})				5200 PSI	PSI	PSI
Specified Test Age (Days)				28		
	Material Type	Material Source	ASTM Standard			
Cementitious #1 (lbs)	Type I/II	Lafarge	C150	488 lbs.	lbs.	lbs.
Cementitious #2 (lbs)	Type F	STI	C618	122 lbs.	lbs.	lbs.
Cementitious #3 (lbs)				lbs.	lbs.	lbs.
Fine Aggregate (lbs)	Natural Sand	Roanoke	C33	1328 lbs.	lbs.	lbs.
Coarse Aggregate #1 (lbs)	ASTM #57 Stone	ECMI	C33	1660 lbs.	lbs.	lbs.
Coarse Aggregate #2 (lbs)				lbs.	lbs.	lbs.
Coarse Aggregate #3 (lbs)				lbs.	lbs.	lbs.
Amount of Water (gals)				31.5 gals.	gals.	gals.
Admixture #1 (oz)	MBVR	Masterbuilders	C260	6.1 oz	oz	oz
Admixture #2 (oz)	Glenium 7500	Masterbuilders	C494	27.5 oz	oz	oz
Admixture #3 (oz)				oz	oz	oz
Other						
Water-Cement Ratio				0.43		
Slump/Spread (inches \pm tolerance)				6.5 \pm 1.5	\pm	\pm
Air Content (% \pm tolerance)				6 \pm 1.5	% \pm	% \pm
Unit Weight (lbs./ft ³)				145 lbs./ft ³	lbs./ft ³	lbs./ft ³

4 Quality Manager's Statement and Signature *Required for all applications.*

I hereby state that the information reported in section 3 above is correct and complete and that the tests reported in section 3 above were performed under my supervision in accordance with all applicable New York City Construction Code provisions, and Departmental rules.

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 (print) Peter Gasparini

Title QC Lab Manager

Signature

Date

June 14, 2013

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 specified 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) FRANK PRANO

Title TECH SERVICES

Signature

Date

6/14/13

NRMCA Certification Expiration Date (BC 1905.8.2) 11-15-13

Business Name Eastern Concrete Materials, Inc.

Business Telephone (201) 797-7979

Business Address 475 Market Street

Business Fax: (201) 797-1155

City Elmwood Park

State NJ

Zip 07407

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 Approved Concrete Producer and found them to be in compliance with the approved construction documents (BC 1905.6.3.3).

Name (please print)

Signature

Date

P.E. / R.A. Seal (Apply seal over signature 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 made a false statement or to have knowingly or negligently falsified or allowed to be falsified any certificate, form, signed statement, application, report or certification of the correction of a 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)

Title

Signature

Date

INTERNAL USE ONLY.

Examiner Name (print)

Title

Signature

Date

06/11

Concrete Mix Design

Client: New York Concrete
Project: 501 W 30th Street
Manhattan, NY

Date: 6/13/2013
Mix Description: Reg/Pump Mix 4000 psi
Concrete Supplier: Eastern Concrete Materials, Inc

Mix Components

Material	Type	Supplier	Specific Gravity	Approval
Cement	Type I/II	Lafarge	3.15	ASTM C150
Flyash	Type F	STI	2.40	ASTM C618
Slag				
Fine Aggregate	Natural sand	Roanoke	2.61	ASTM C33
Coarse Aggregate	ASTM #57 stone	ECMI	2.69	ASTM C33
Air Entraining	MBVR	Masterbuilders		ASTM C260
Water Reducer	Glenium 7500	Masterbuilders		ASTM 494

Mix Proportions & Properties

Proportions	Wt. per cubic Yd
Cement, lbs	488
Fly Ash, lbs	122
Fine Agg., lbs	1328
Coarse Agg., lbs	1660
Water	31.5
Admix 1	6.1
Admix 2	27.5
Admix 3	

Design PSI (f')	4000 psi
Selected Trial Blend #	3
Specifications	Mix Results
Slump, in.	5"-8" 6
Air Content, %	6 +/- 1.5 5.3
W/C Ratio	0.43
Unit Weight, pcf	145.1

Aggregate Analysis

	Fine Aggregate	SPEC
3/8"	100	100
#4	97.2	95-100
#8	92.6	80-100
#16	83.5	50-85
#30	60	25-60
#50	17.3	5-30
#100	1.7	0-10
#200	0.2	
FM	2.48	
SPG	2.61	
Unit Wt, pcf	106.3	

	Coarse Aggregate	SPEC
1 1/2"	100	100
1"	99.1	95-100
3/4"	79.3	
1/2"	35.1	25-60
3/8"	17.4	
#4	5.6	0-10
#8	4.3	0-5
SPG	2.69	
Unit Wt, pcf	104.2	

Signature: _____

Peter Gasparini, QC Laboratory Manager

NYC DOB Laboratory License Number: 000090

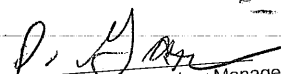
Concrete Mix Design

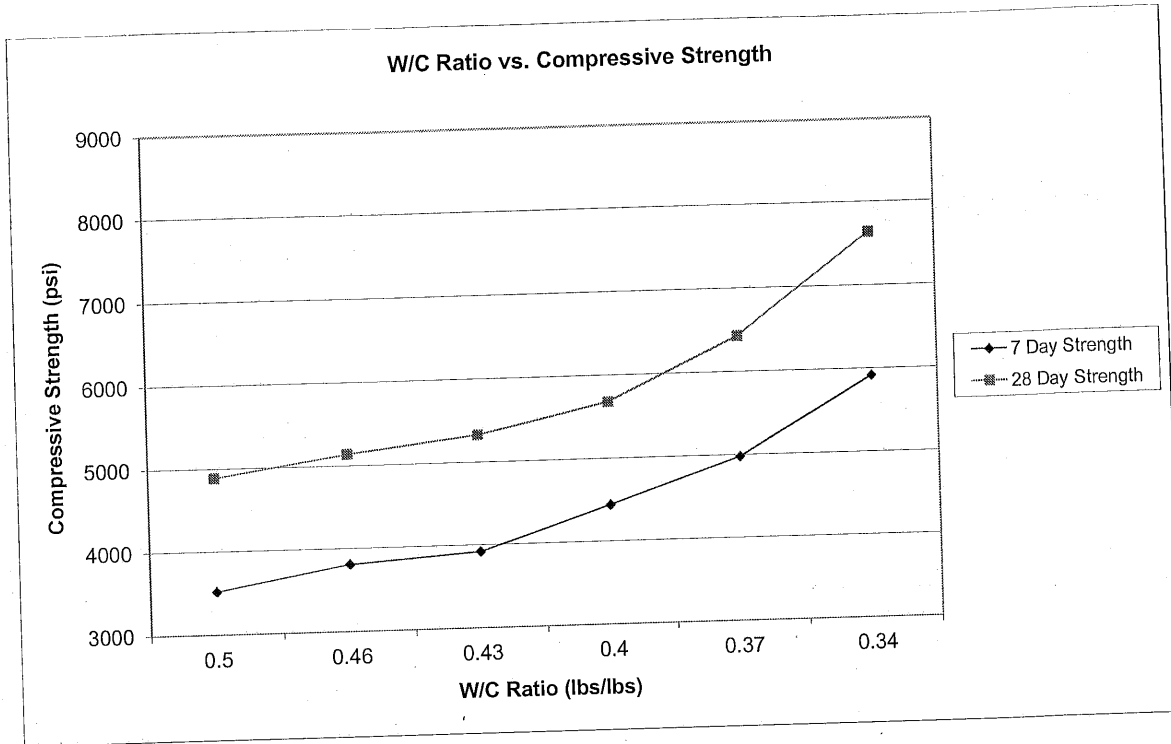
Client: New York Concrete
Project: 501 W 30th Street
Manhattan, NY

Date: 6/13/2013
Mix Description: Reg/Pump Mix 4000 psi
Concrete Supplier: Eastern Concrete Materials, Inc

Trial Blend Results

	1	2	3	4	5	6
Mix ID	45215529	45615529	46115529	46615529	47015529	47815529
Date of Trial Batch	11/20/2012	11/20/2012	11/20/2012	11/20/2012	11/20/2012	11/20/2012
Cement, lbs	416	448	488	528	564	624
Fly Ash, lbs	104	112	122	132	141	156
Fine Agg (SSD), lbs	1448	1413	1328	1283	1243	1166
Coarse Agg, lbs	1630	1630	1660	1660	1660	1660
Total Water, lbs	31	31	31.5	31.5	31.5	32
Air Entraining (oz)	5.2	5.6	6.1	6.6	7.1	7.8
Water Reducer (oz)	23.5	25.5	27.5	30	33	35.1
W/C Ratio	0.5	0.46	0.43	0.4	0.37	0.34
Slump, in	5.25	7.75	6	8	7.75	7.5
Air Content, %	5	7.2	5.3	5	6.6	5.1
Temperature, (F)	77	78	77	78	78	78
Unit Weight, pcf	145.5	140.6	145.1	145.7	143.7	146.7
7 Day Strength				4490	5060	6050
Cylinder A	3410	3980	3870	4420	4840	5910
Cylinder B	3580	3720	4040	4420	5040	5800
Cylinder C	3580	3720	3850	4420	4980	5920
Average, psi	3520	3810	3920	4440		
28 Day Strength				5620	6500	7720
Cylinder D	4850	5280	5470	5730	6280	7670
Cylinder E	4970	5080	5370	5690	6500	7540
Cylinder F	4850	5060	5140	5680	6430	7640
Average, psi	4890	5140	5330			
f'cr =			yes			
f'cr Achieved?						

Signature: 
Peter Gasparini, QC Laboratory Manager



This mix is designed to achieve the design strength if sampled and tested in accordance with all current ACI codes and ASTM testing procedures. Admixture dosage rates may be adjusted due to field test results.

Signature: _____

Peter Gasparini, QC Laboratory Manager

NYC DOB Laboratory License Number: 000090