



TR2: Technical Report
Concrete Sampling and Testing
Must be typewritten.

DEPT BLDGS Job No. 123467006
Scan Code ESHS4778083

Sheet number 1

1 Location Information *Required for all applications.*

House No(s) 20 Street Name Broad Street
Borough Manhattan Block 23 Lot 50 BIN 1000816 CB No. 101
Work on Floor(s) SC2,SUB,CEL,ROF 01 THRU 30 Apt/Condo No(s)

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

Director Last Name Patterson Director First Name James Director Middle Initial
Business Name L.M.C Material Testing LLC Business Telephone (516) 599-5900
Business Address 226 East Merrick Road Business Fax (516) 599-1587
City Valley Stream State NY Zip 11580 Mobile Telephone
E-Mail
Director's Lic. Number 092183 ☒ P.E. ☐ R.A. Concrete Testing Lab Lic. Number 000099

3 Licensed Concrete Testing Laboratory's Identification of Responsibilities *Required prior to Permit.*

Check all that apply below:

I certify that I am the director of the licensed concrete testing laboratory accepting responsibility for conducting the testing in accordance with BC 1905.6 and BC 1704.1. I further certify that I have read the applicable sections of the New York City Construction Codes in connection with the testing of concrete and licensed concrete testing laboratories as well as 1 RCNY §5-02 and 1 RCNY §101-07(c)(6), which specifies the qualifications and duties required of a licensed concrete testing laboratory and that this licensed testing laboratory meets those qualifications for the work which I take responsibility. I agree that both I and the licensed concrete testing laboratory will comply with all provisions of the New York City Construction Codes as well as 1 RCNY §5-02 and 1 RCNY §101-07(c)(6). I am aware of the additional sanctions imposed on false filings by §28-211.1.2 of the Administrative Code.

Change of Applicant: I am a newly designated individual responsible for the testing specified herein and I hereby state that:

- ☒ None of the tests indicated herein have been performed to date by the previously designated individual.
☐ Some of the tests indicated herein have been performed by the previously designated individual, as indicated in the attached report.

Name (please print)

James Patterson

Signature

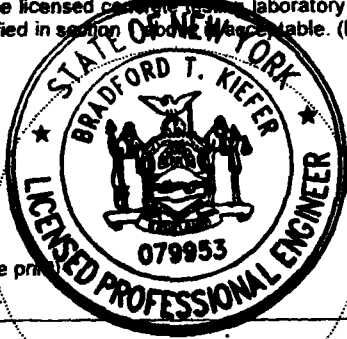
Date

03-23-17

P.E. / R.A. Seal (apply seal, then sign and date over seal)

4 Design Applicant's Statement and Signature P.E./R.A. Required prior to Permit.

☒ I certify that the licensed concrete testing laboratory specified in section 2 above and engaged by the owner to perform tests on the work at the location specified in section 2 above is acceptable. (BC 1704.1)



Name (please print)

Brad Kiefer

Signature

Date

P.E. / R.A. Seal (apply seal, then sign and date over seal)

5 Building Owner's Statement and Signature Required prior to Permit

I certify that I have employed the licensed concrete testing laboratory specified in section 2 above in accordance with BC 1704.1. 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 document with the Department.

Name (print) Nathan Berman

Title Owner

Signature

Date

STOP HERE PRIOR TO PERMIT

6 Test Report Required prior to Sign-off. Use supplemental pages as needed. Attach Original Lab Test Reports

Specified Concrete Str. (f' c): 4000 PSI FERRARA BROS Required Test Age (days): 28 DAYS

			Sampling:						
Test Report Number	Date of Placement	Cylinder I.D.	Slump	Air Content	Temperature	Weight	Placement Location	Total Placement	Breaking Strength
			in	%	F	lbs/ft ³		yd ³	PSI
1	10/28/2017	17-74150	7.5	-	70	118.2	3fl(car 10,2,	26	6821
		17-74151					3),4fl(7,2,4)		6073
		17-74152					5fl(10),11fl		6869
							MEP,22fl SW9		
							strs,21fl SW		
2	10/28/2017	17-74155	-	-	70	-	" "	26	5609
		17-74156							5749
3	10/28/2017	17-74157	-	-	80	-	" "	26	6915
		17-74158							6848
4	10/28/2017	17-74159	-	-	70	-	" "	26	6134
		17-74160							6143
5	11/4/2017	17-76392	9	-	63	116	3fl mtl dck	110	5226
		17-76393					infl at GL F,A		4809
		17-76394					along GL 1&5		5379
							GL8,7.1 along		
6	11/4/2017	17-76398	9	-	68	115	3fl mtl dck	110	6796
		17-76399					infl at GL F,A		7337
		17-76400					along GL 1&5		6414
							GL8,7.1 along		
							GL A & C.5		

Licensed Concrete Lab Director Name (please print)

JAMES PATTERSON

Signature

Date

08/14/18

P.E./R.A. Seal (apply seal, then sign and date over seal)

6 Test Report Required prior to Sign-off. Use supplemental pages as needed. Attach Original Lab Test Reports

Specified Concrete Str. (f' c): 4000 PSI FERRARA BROS Required Test Age (days): 28 DAYS

			Sampling:						
Test Report Number	Date of Placement	Cylinder I.D.	Slump	Air Content	Temperature	Weight	Placement Location	Total Placement	Breaking Strength
			in	%	F	lbs/ft ³		yd ³	PSI
7	11/4/2017	17-76404	9	-	68	114.6	3fl mtl dck	110	7688
		17-76405					infl at GL F,A		4198
		17-76406					along GL 1&5		4352
							GL8,7.1 along		
8	11/11/2017	17-77808	7.5	-	53	114	GL A & C.5		
		17-77809					22,23fl mtl	21	4688
		17-77810					dck slb infl		4505
							along col.lne		4956
9	11/11/2017	17-77813	-	-	50	-	l btw 4-5.18-		
		17-77814					12fl str B,		
		17-77815					mchncl pad		
		17-77816					11fl,cllr mtl		
10	11/11/2017	17-77817	-	-	53	-	dck slb infl		
		17-77818					btw col.lne		
		17-77819					5&6 on lne F		
		17-77820							
11	11/11/2017	17-77821	-	-	53	-	" "	21	4944
		17-77822					" "		4882
		17-77823					" "	21	5670
		17-77824					" "		5994
12	11/16/2017	17-79355	8	6	59	112.1	12-16fl str,slb	24	5616
		17-79356					infl 20-23fl		5788
		17-79357					1fl,cllr 1LL,sub		5909
							cllr,slb infl		

Licensed Concrete Lab Director Name (please print)

JAMES PATTERSON

Signature

Date

08/14/18

P.E./R.A. Seal (apply seal, then sign and date over seal)

6 Test Report Required prior to Sign-off. Use supplemental pages as needed. Attach Original Lab Test Reports

Specified Concrete Str. (F' c): 4000 PSI FERRARA BROS Required Test Age (days): 28 DAYS

			Sampling:						
Test Report Number	Date of Placement	Cylinder I.D.	Slump	Air Content	Temperature	Weight	Placement Location	Total Placement	Breaking Strength
			in	%	F	lbs/ft ³		yd ³	PSI
13	11/16/2017	17-79360	-	-	59	-	" "	24	5305
	OT	17-79361							5217
14	11/16/2017	17-79362	-	-	60	-	" "	24	6279
	OT	17-79363							6146
15	11/16/2017	17-79364	-	-	60	-	" "	24	5185
	OT	17-79365							5461
16	12/5/2017	17-82980	9	5.5	71	115.8	Dck slb infll	24	5299
		17-82981					24-25fl,CL's		5019
		17-82982					5-7,I-F		5313
17	12/5/2017	17-82985	-	-	71	-	" "	24	5693
	OT	17-82986							5290
18	12/5/2017	17-82987	-	-	73	-	" "	24	4789
	OT	17-82988							4803
19	12/5/2017	17-82989	-	-	76	-	" "	24	4329
	OT	17-82990							4464
20	12/7/2017	17-82960	8	5.8	61	115.4	NW crnr 8-	24	5095
		17-82961					9fl slb infl,		5227
		17-82962					5-6fl str B,		5107
							26fl slb infl		
21	12/7/2017	17-82965	-	-	61	-	" "	24	5037
	OT	17-82966							5017
22	12/7/2017	17-82967	-	-	60	-	" "	24	5281
	OT	17-82968							4928
23	12/7/2017	17-82969	-	-	61	-	" "	24	5988
	OT	17-82970							5805

Licensed Concrete Lab Director Name (please print)

JAMES PATTERSON

Signature

Date

08/14/18

P.E./R.A. Seal (apply seal, then sign and date over seal)

6

PSI

Required Test Age (days):

28 DAYS

Sampling:

JAMES PATTERSON

Date _____

Seal (apply seal over the signature and date over seal)

P.E./R.A. Seal (apply seal, then sign and date over seal)

6 Test Report Required prior to Sign-off. Use supplemental pages as needed. Attach Original Lab Test Reports

Specified Concrete Str. (F c): 4000

PSI

FERRARA BROS

Required Test Age (days):

28 DAYS

			Sampling:						
Test Report Number	Date of Placement	Cylinder I.D.	Slump	Air Content	Temperature	Weight	Placement Location	Total Placement	Breaking Strength
			in	%	F	lbs/ft ³		yd ³	PSI
30	12/16/2017	17-84925	-	-	60	-	" "	150	3960
	OT	17-84926							4216
31	12/16/2017	17-84931	-	-	60	-	" "	150	5439
	OT	17-84932							5677
32	12/16/2017	17-84934	-	-	60	-	" "	150	5744
	OT	17-84935							5361
33	12/16/2017	17-84937	-	-	60	-	" "	150	5429
	OT	17-84938							5393
34	12/16/2017	17-84911	8	6	60	112.4	3fl mtl dck	150	3888
		17-84912					conc slb,col.		4267
		17-84913					lne F-J/1-5,4fl		4161
							mtl dck conc		
							slb,col.lneA-		
							G/1-5,2fl str		
							B lndng,col		
							lne E-F/5-6		
35	12/16/2017	17-84940	-	-	60	-	" "	150	5547
	OT	17-84941							5921
36	12/16/2017	17-84943	-	-	60	-	" "	150	4317
	OT	17-84944							4240
37	12/16/2017	17-84946	-	-	60	-	" "	150	5650
	OT	17-84947							6011
38	12/16/2017	17-84949	-	-	60	-	" "	150	6231
	OT	17-84950							6082

Licensed Concrete Lab Director Name (please print)

JAMES PATTERSON

Signature

Date

08/14/18

P.E./R.A. Seal (apply seal, then sign and date over seal)

6 Test Report Required prior to Sign-off. Use supplemental pages as needed. Attach Original Lab Test Reports

Specified Concrete Str. (f' c): 4000 PSI FERRARA BROS Required Test Age (days): 28 DAYS

			Sampling:						
Test Report Number	Date of Placement	Cylinder I.D.	Slump	Air Content	Temperature	Weight	Placement Location	Total Placement	Breaking Strength
			in	%	F	lbs/ft ³		yd ³	PSI
39	12/16/2017	17-84952	-	-	61	-	" "	150	6058
	OT	17-84953							5305
40	12/21/2017	17-86504	9	6.3	56	114.8	2&27fl	14	5781
		17-86505					slb infills		5235
		17-86506							5378
41	12/21/2017	17-86509	-	-	56	-	" "	14	5710
	OT	17-86510							6632
42	12/21/2017	17-86512	-	-	54	-	" "	14	5500
	OT	17-86513							5688
43	1/8/2018	18-593	8	5	50	115	10,11fl mtl	14	4247
		18-594					dck,NW crnr		4328
		18-595					btw col.lne		4018
							3-4/J-H,1fl		
							str lndng,str		
							B btw col.		
							lne 5-6/F-E		
44	1/8/2018	18-598	-	-	50	-	" "	14	3928
	OT	18-599							3952
45	1/8/2018	18-600	-	-	51	-	" "	14	4662
	OT	18-601							4547
46	1/20/2018	18-3471	8.25	5.5	55	112.7	Slb infl 7,	24	5142
		18-3472					12,13,14,		4981
		18-3473					15,17fl		5293
47	1/20/2018	18-3476	-	-	54	-	" "	24	5473
	OT	18-3477							5393

Licensed Concrete Lab Director Name (please print)

JAMES PATTERSON

Signature

Date

08/14/18

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6 Test Report Required prior to Sign-off. Use supplemental pages as needed. Attach Original Lab Test Reports

Specified Concrete Str. (f' c): 4000

PSI

FERRARA BROS

Required Test Age (days):

28 DAYS

			Sampling:						
Test Report Number	Date of Placement	Cylinder I.D.	Slump	Air Content	Temperature	Weight	Placement Location	Total Placement	Breaking Strength
			in	%	F	lbs/ft ³		yd ³	PSI
48	1/20/2018	18-3479	-	-	53	-	" "	24	5492
	OT	18-3480							5316
49	1/20/2018	18-3482	-	-	54	-	" "	24	5945
	OT	18-3483							6189
50	2/10/2018	18-8194	8.5	5.9	63	112	1fl raise	30	6072
		18-8195					slab		6179
		18-8196							6534
51	2/10/2018	18-8199	-	-	71	-	" "	30	3455
	OT	18-8200							3476
52	2/17/2018	18-9588	8.5	5.5	68	113.7	3fl mtl dck	33	5585
		18-9589					infil, 2fl mtl		5874
		18-9590					dck infil, 15fl		5878
							mtl dck infil		
53	2/17/2018	18-9593	-	-	71	-	" "	33	3609
	OT	18-9594							3632
54	2/17/2018	18-9596	-	-	69	-	" "	33	3879
	OT	18-9597							3768
55	2/24/2018	18-11221	8.5	6.3	70	111.4	Bkhd rof slb	70	5714
		18-11222					30fl raised		5595
		18-11223					plfrm slb, 30,		5641
							29fl infil slb		
56	2/24/2018	18-11232	-	-	68	-	" "	70	5640
	OT	18-11233							5598
57	2/24/2018	18-11235	-	-	64	-	" "	70	4031
	OT	18-11236							3671

Licensed Concrete Lab Director Name (please print)

JAMES PATTERSON

Signature

Date

08/14/18

P.E./R.A. Seal (apply seal, then sign and date over seal)

6 Test Report Required prior to Sign-off. Use supplemental pages as needed. Attach Original Lab Test Reports

Specified Concrete Str. (f' c): 4000

PSI

FERRARA BROS

Required Test Age (days):

28 DAYS

			Sampling:						
Test Report Number	Date of Placement	Cylinder I.D.	Slump	Air Content	Temperature	Weight	Placement Location	Total Placement	Breaking Strength
			in	%	F	lbs/ft ³		yd ³	PSI
58	2/24/2018	18-11238	-	-	69	-	" "	70	5333
	OT	18-11239							5663
59	2/24/2018	18-11241	-	-	70	-	" "	70	5528
	OT	18-11242							5780
60	2/24/2018	18-11227	8.75	5.5	60	113.5	Blkhd rof slb	70	6371
		18-11228					30fl raised		6037
		18-11229					plfrm slb,30,		6270
							29fl infll slb		
61	2/24/2018	18-11244	-	-	58	-	" "	70	6147
	OT	18-11245							6222
62	2/24/2018	18-11247	-	-	62	-	" "	70	5408
	OT	18-11248							5786
63	2/26/2018	18-11251	8.25	5.5	65	112.6	Clr,1fl slb infl	30	4663
		18-11252					arnd PE15,1fl		4866
		18-11253					slb infl aing		4842
							lne I&H btw		
							lne 7.1-8,		
							2fl slb infl		
							aing lne I&H		
							btw 6.1-8.		
64	2/26/2018	18-11256	-	-	67	-	" "	30	4280
	OT	18-11257							4399
65	2/26/2018	18-11259	-	-	68	-	" "	30	3954
	OT	18-11260							4012

Licensed Concrete Lab Director Name (please print)

JAMES PATTERSON

Signature

Date

08/14/18

P.E./R.A. Seal (apply seal, then sign and date over seal)

6 Test Report Required prior to Sign-off. Use supplemental pages as needed. Attach Original Lab Test Reports

Specified Concrete Str. (f' c): 4000

PSI

FERRARA BROS

Required Test Age (days):

28 DAYS

			Sampling:						
Test Report Number	Date of Placement	Cylinder I.D.	Slump	Air Content	Temperature	Weight	Placement Location	Total Placement	Breaking Strength
			in	%	F	lbs/ft ³		yd ³	PSI
66	3/10/2018	18-13601	8.5	5.8	60	115.5	8,6,5,4,3fl	30	5432
		18-13602					mtl dck,		5603
		18-13603					NE crner		5710
67	3/10/2018	18-13606	8.25	4.8	58	112.3	" "	30	6310
	OT	18-13607							6182
68	3/10/2018	18-13609	7.5	5.3	55	114.7	" "	30	5993
	OT	18-13610							5807
69	3/10/2018	18-13612	8.75	5.5	59	115.3	" "	30	6271
	OT	18-13613							6411
70	3/17/2018	18-14793	8.75	6.3	56	133.6	8,9,10,11fl	30	4937
		18-14794					NE crner		5572
		18-14795					6-7/J-G,2LL		5693
71	3/17/2018	18-14798	8.5	6	55	114.1	" "	30	5797
	OT	18-14799							5757
72	3/17/2018	18-14801	7.5	5.5	58	114.9	" "	30	5601
	OT	18-14802							4805
73	3/17/2018	18-14804	7.75	5.8	60	114.5	" "	30	5263
	OT	18-14805							5119
74	4/3/2018	18-18290	8.5	5.5	63	114.5	12-13fl	26	5765
		18-18291					slab infll		6053
		18-18292							6146
75	4/3/2018	18-18295	8	5	63	113.2	" "	26	5758
	OT	18-18296							6076
76	4/3/2018	18-18298	8.5	5.3	62	112.8	" "	26	4883
	OT	18-18299							5062

Licensed Concrete Lab Director Name (please print)

JAMES PATTERSON

Signature

Date

08/14/18

P.E./R.A. Seal (apply seal, then sign and date over seal)

6 Test Report Required prior to Sign-off. Use supplemental pages as needed. Attach Original Lab Test Reports

Specified Concrete Str. (f' c): 4000

PSI

FERRARA BROS

Required Test Age (days):

28 DAYS

			Sampling:						
Test Report Number	Date of Placement	Cylinder I.D.	Slump	Air Content	Temperature	Weight	Placement Location	Total Placement	Breaking Strength
			in	%	F	lbs/ft ³		yd ³	PSI
77	4/3/2018	18-18301	8	6	63	114.2	" "	26	5123
	OT	18-18302							5317
78	4/7/2018	18-19411	8.5	5.3	59	113.4	Infl 16fl at	19	5339
		18-19412					old str B lctn		5804
		18-19413					new str B		5457
							frm 27-30fl		
79	4/7/2018	18-19416	8.75	5.8	57	113	" "	19	4870
	OT	18-19417							5187
80	4/7/2018	18-19419	8.25	6	60	112.6	" "	19	4788
	OT	18-19420							4881
81	4/7/2018	18-19422	8	6.3	60	112.4	" "	19	5574
	OT	18-19423							5204
82	4/28/2018	18-24088	8.5	5.8	72	113.7	29fl 7 car slb	16	5972
		18-24089					26fl W.sde		6228
		18-24090					of new str B		5893
							1fl slb,NE		
							old str B		
83	4/28/2018	18-24093	8.25	5.3	73	114.1	" "	16	5798
	OT	18-24094							5889
84	4/28/2018	18-24096	8	5.5	73	114	" "	16	4962
	OT	18-24097							4920
85	5/25/2018	18-30542	7.75	6	75	116	Old str B dck	28	6033
		18-30543					18-22fl,btw		6204
		18-30544					6.1-7.1/L-G		5625

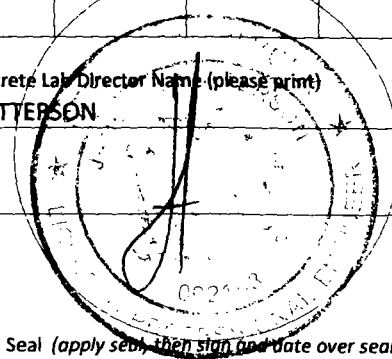
Licensed Concrete Lab Director Name (please print)

JAMES PATTERSON

Signature

Date

08/14/18



P.E./R.A. Seal (apply seal, then sign and date over seal)

6

PSI

Required Test Age (days):

28 DAYS

Licensed Concrete Lab Director Name (please print)

Signature

Date _____

08/14/18

State Lab Director Name (please print)
 TTERSON
 LICENSED PROFESSIONAL

Specified Concrete Str. (f' c): 4000 **PSI** **FERRARA BROS** **Required Test Age (days):** 28 DAYS

Licensed Concrete Lab Director Name (please print)

Signature

Date _____

08/14/18

12/14

7 Licensed Concrete Testing Laboratory's Certification of Completion *Required prior to Sign-off.*

- ☒ I certify that I have completed the testing specified herein and that the results reported in section 6 of this form are true and accurate in accordance with §28-406.3.2.

I am aware of the additional sanctions imposed on false filings by §28-211.1.2 of the Administrative Code.

- ☐ **Withdrawal of Applicant:** I am withdrawing responsibility for conducting the tests indicated herein and herewith submit the results or status of the work performed to date.

Name (please print)

JAMES PATTERSON

Signature

Date

08/14/2018

P.E. / R.A. Seal (apply seal, then sign and date over seal)

8 Design Applicant's Statements and Signatures *Required prior to Sign-off. P.E./R.A. responsible for plans, choose one and sign/seal.*

- ☒ I certify I have reviewed the test results reported by the licensed concrete testing lab in section 6 above and found them to be in compliance with the approved construction documents.

- ☐ I certify I have reviewed the test results reported by the licensed concrete testing lab in section 6 above and found them to be in compliance with the approved construction documents except as noted in the attached report (BC 1905.6).
Note: design applicant's signed and sealed report must be attached to this document

Name (please print)

Nizar Y. Khoury

Signature

Sign

Here

P.E. / R.A. Seal (apply seal, then sign and date over seal)

9 Concrete Producer's Statement and Signature *Required prior to Sign-off. Must be filled out by Owner of Production Facility.*

I certify that the test results reported in section 6 above were reported to me, and I further certify that the concrete delivered is in accordance with the design mix(es) specified on the TR3 submitted for the work specified in section 1 above.

Name (print) Paul Herrera

Title QC/QA

Signature

Date 9/30/19

NRMC/CIB Expiration Date (BC 1905.8.2) 6/2/20

Business Name USC - Ferrera

Business Telephone 718-939-3030

Business Address 120-05 31st Ave

Business Fax:

City Flushing

State NY

Zip 11354