



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

✓ Orient and affix BIS
 job number label here

Sheet number 1

1 Location Information *Required for all applications.*

House No(s) **503** Street Name **WEST 144 STREET**
 Borough **MANHATTAN** Block **2076** Lot **128** BIN **1061927** CB No. **109**
 Work on Floor(s) Apt/Condo No(s)

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

Director Last Name **LANGER** Director First Name **GLEN** Director Middle Initial **J**
 Business Name **S & S CONCRETE AND 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 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 resting 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)

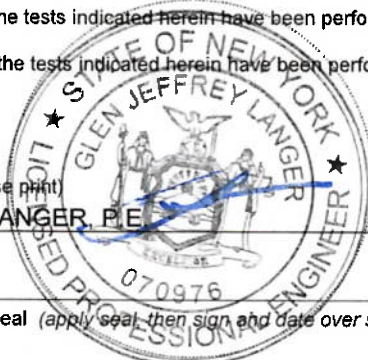
GLEN J. LANGER, P.E.

Signature

Date

10-22-19

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



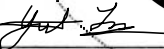
4 Design Applicant's Statement and Signature *P.E./R.A. Required prior to Permit.*

☒ 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 1 above is acceptable. (BC 1704.1)

Name (please print)

YUK LAM

Signature



09/21/2023

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)

Title

Signature

Date

STOP HERE PRIOR TO PERMIT

6 Test Report Required prior to Sign-off. Use supplemental pages as needed. Attach Original Lab Test ReportsSpecified Concrete Str. (f_c): 4000(#3&4&5=3500) PSI

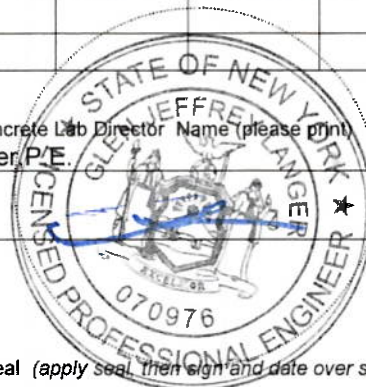
Required Test Age (days): 28

Test Report Number	Date of Placement	Cylinder I.D.	Sampling:				Placement Location	Total Placement	Breaking Strength
			Slump	Air Content	Temperature	Weight			
			in	%	F	lbs/ft ³		yd ³	PSI
ssc-503-01	12-30-21	141094	7.50	8.20	60	141.40	basement	25	6450
"	"	141095	"	"	"	"	footing	"	6800
"	"	141096	"	"	"	"	"	"	7050
ssc-503-02	01-12-22	143782	7.50	4.00	65	139.05	footing	11	5285
"	"	143783	"	"	"	"	"	"	5390
"	"	143784	"	"	"	"	"	"	5185
ssc-503-03	02-24-22	145486	8.00	5.00	60	125.02	1st & 2nd	18	5930
"	"	145487	"	"	"	"	floor slab	"	5960
"	"	145488	"	"	"	"	"	"	6710
ssc-503-04	03-24-22	147266	8.00	5.00	64	126.80	3rd floor	8	6845
"	"	147267	"	"	"	"	slab	"	6680
"	"	147268	"	"	"	"	"	"	6810
ssc-503-05	04-21-22	148638	7.50	2.25	60	130.40	4th floor	10	7350
"	"	148639	"	"	"	"	slab on	"	7150
"	"	148640	"	"	"	"	metal deck	"	7455
ssc-503-06	05-11-22	149194	8.00	5.50	60	142.46	4th floor	19	6065
"	"	149195	"	"	"	"	slab on	"	6215
"	"	149196	"	"	"	"	"	"	5890

Licensed Concrete Lab Director Name (please print)
Glen Langer, P.E.

Signature

Date
03-23-23



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 ReportsSpecified Concrete Str. (f_c): 4000

PSI

Required Test Age (days): 28

			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
ssc-503-07	05-20-22	149642	7.00	6.10	70	145.00	foundation	32	7830
"	"	149643	"	"	"	"	wall	"	7460
"	"	149644	"	"	"	"	sections	"	7330
ssc-503-08	06-17-22	151446	8.00	4.50	79	150.20	2nd floor	11.5	4570
"	"	151447	"	"	"	"	deck	"	4465
"	"	151448	"	"	"	"	"	"	4530
ssc-503-09	06-30-22	151490	7.50	4.00	84	150.20	3rd floor	5	5705
"	"	151491	"	"	"	"	deck slab	"	5740
"	"	151492	"	"	"	"	"	"	5495
ssc-503-10	07-12-22	151762	8.50	5.50	78	143.10	reinforced	5	5170
"	"	151763	"	"	"	"	4th floor	"	5365
"	"	151764	"	"	"	"	slab	"	5290
ssc-503-11	07-19-22	153330	8.50	4.50	70	144.10	reinforced	15	4625
"	"	153331	"	"	"	"	5th floor	"	4655
"	"	153332	"	"	"	"	(roof) slab	"	4710
ssc-503-12	07-25-22	150302	8.50	5.75	75	121.20	5rd floor	29	5605
"	"	150303	"	"	"	"	deck slab	"	5895
"	"	150304	"	"	"	"	"	"	5760

Licensed Concrete Lab Director Name (please print)

Glen Langer, P.E.

Signature

Date

03-23-23



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

Specified Concrete Str. (f_c): 4000 PSI Required Test Age (days): 28

Licensed Concrete Lab Director Name (please print)

Glen Langer, P.E.

Signature

Date _____

03-23-23



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

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)

Glen Langer, P.E.

Signature

Date

03-23-23

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.

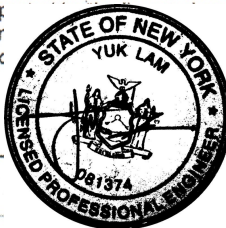
- ☐ I certify I have reviewed the test results reported by the licensed concrete testing lab in section 6 above and found them to be in compliance with the approved construction documents.
Note: design applicant's signed and sealed.

Name (please print)

YUK LAM

Signature

Yuk Lam



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 attached report (BC 1905.6) to this document.

9/8/2023

Date

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) Garry Dillon

Title Manager

Signature *Garry Dillon*

Date

9/5/23

NRMCA/CIB Expiration Date (BC 1905.8.2)

3/25/24

Business Name

JK Concrete Ready Mix

Business Telephone

7187393380

Business Address

178-01 Liberty Ave

Business Fax:

7187393380

City

Jamaica

State

NY

Zip

11433

S&S CONCRETE & SOIL TESTING

20-39 129TH STREET, COLLEGE POINT, NEW YORK 11356

PHONE: (718) 961-1000 FAX: (718) 961-1002

Email: SSC2039@gmail.com

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

CONCRETE FIELD TEST REPORT – ASTM C39

CLIENT: MING CHEUNG		DATE CAST: 12/30/21	DATE RECEIVED: 12/31/21
PROJECT: 503 WEST 144TH STREET, NYC		REPORT NO: SSC-503-01	JOB NO: 503-12-21
CONTRACTOR: HONOR		TOTAL CUBIC YARDS: 25	WEATHER: 47 °F
CLASS / DESIGN: 4000 PSI		CURING BOX: ☒ YES ☐ NO	PAGE: 1 OF 1
TR3 ON SITE: ☒ YES ☐ NO		CONCRETE SUPPLIER: JK CONCRETE READY MIX	
BATCH TICKET: ☒ YES ☐ NO		BATCH PLANT INSPECTION: ☐ YES ☒ NO	

PLACEMENT LOCATION: FOOTING IN BASEMENT

TIME SAMPLED	TRUCK / TICKET NO:	YARDS PLACED	CYLINDERS MOLDED	SLUMP (IN.)	AIR CONTENT BY VOL. (%)	CONCRETE TEMP. (°F)	DENSITY (LB/FT³)
1:15 pm	14	10	4	7.50	8.20	60	141.40

COMPRESSIVE STRENGTH TEST RESULTS

Cylinder No.	Test Date	Age (days)	Dia. (in)	Area (in²)	Maximum Load (lb)	Compressive Strength (psi)	*Type of Fracture	Attain Req'd f'c
141093	01/06/22	7	4.00	12.56	66,030	5,255	4	YES
141094	01/27/22	28	4.00	12.56	81,025	6,450	4	YES
141095	01/27/22	28	4.00	12.56	85,470	6,800	4	YES
141096	01/27/22	28	4.00	12.56	88,555	7,050	1	YES

NOTES:

- Cylinders molded and cured according to ASTM C31, prepared per ASTM ☐ C617 or ☒ C1231, and tested according to ASTM C39. Nominal cylinder 4" x 8" within ASTM tolerances.
- Field tests performed according to ASTM C172 (sampling), ASTM C1064, (concrete temp.), ASTM C143 (slump), ASTM ☐ C173 (LW) or ☒ C231 (PUMP) (air content) and ASTM C138 (unit weight).
- * Type of Fracture (1 – Cone), (2 – Cone & Split), (3 – Columnar), (4 – Shear), (5 – Side Fracture).
- These results are for only the items tested and MAY NOT be reproduced without the consent of the agency.

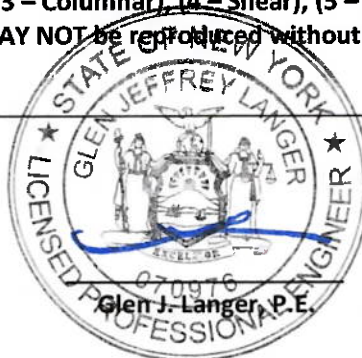
Remarks: _____

EMILIO IZZO / ACI # 01368360

Field Technician – Level / Certification No.

Jorge Lopez / ACI # 01208239

Lab Technician – Level / Certification No.



01/27/22

Date

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Email: SSC2039@gmail.com

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

CONCRETE FIELD TEST REPORT – ASTM C39

CLIENT: MING CHEUNG		DATE CAST: 01/12/22	DATE RECEIVED: 01/13/22
PROJECT: 503 WEST 144TH STREET, NYC		REPORT NO: SSC-503-02	JOB NO: 503-12-21
CONTRACTOR: HONOR		TOTAL CUBIC YARDS: 11	WEATHER: 33 °F
CLASS / DESIGN: 4000 PSI		CURING BOX: ☒ YES ☐ NO	PAGE: 1 OF 1
TR3 ON SITE: ☒ YES ☐ NO		CONCRETE SUPPLIER: JK CONCRETE READY MIX	
BATCH TICKET: ☒ YES ☐ NO		BATCH PLANT INSPECTION: ☐ YES ☒ NO	
PLACEMENT LOCATION: FOOTING			

TIME SAMPLED	TRUCK / TICKET NO:	YARDS PLACED	CYLINDERS MOLDED	SLUMP (IN.)	AIR CONTENT BY VOL. (%)	CONCRETE TEMP. (°F)	DENSITY (LB/FT³)
12:10 pm	78	11	4	7.50	4.00	65	139.05

COMPRESSIVE STRENGTH TEST RESULTS

Cylinder No.	Test Date	Age (days)	Dia. (in)	Area (in²)	Maximum Load (lb)	Compressive Strength (psi)	*Type of Fracture	Attain Req'd f'c
143781	01/19/22	7	4.00	12.56	46,190	3,675	4	YES
143782	02/09/22	28	4.00	12.56	66,425	5,285	4	YES
143783	02/09/22	28	4.00	12.56	67,715	5,390	4	YES
143784	02/09/22	28	4.00	12.56	65,130	5,185	3	YES

NOTES:

- Cylinders molded and cured according to ASTM C31, prepared per ASTM ☐ C617 or ☒ C1231, and tested according to ASTM C39. Nominal cylinder 4" x 8" within ASTM tolerances.
- Field tests performed according to ASTM C172 (sampling), ASTM C1064, (concrete temp.), ASTM C143 (slump), ASTM ☐ C173 (LW) or ☒ C231 (PUMP) (air content) and ASTM C138 (unit weight).
- * Type of Fracture (1 – Cone), (2 – Cone & Split), (3 – Columnar), (4 – Shear), (5 – Side Fracture).
- These results are for only the items tested and MAY NOT be reproduced without the consent of the agency.

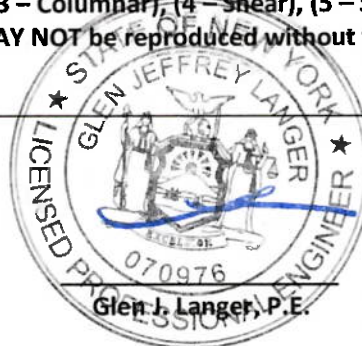
Remarks: _____

NIRAV PARIKH / ACI # 2073494

Field Technician – Level / Certification No.

Jorge Lopez / ACI # 01208239

Lab Technician – Level / Certification No.



02/09/22

Date

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20-39 129TH STREET, COLLEGE POINT, NEW YORK 11356

PHONE: (718) 961-1000 FAX: (718) 961-1002

Email: SSC2039@gmail.com

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

CONCRETE FIELD TEST REPORT – ASTM C39

CLIENT: MING CHEUNG		DATE CAST: 02/24/22	DATE RECEIVED: 02/25/22
PROJECT: 503 WEST 144TH STREET, NYC		REPORT NO: SSC-503-03	JOB NO: 503-12-21
CONTRACTOR: HONOR		TOTAL CUBIC YARDS: 18	WEATHER: 32 °F
CLASS / DESIGN: 3500 PSI		CURING BOX: ☒ YES ☐ NO	PAGE: 1 OF 1
TR3 ON SITE: ☒ YES ☐ NO		CONCRETE SUPPLIER: JK CONCRETE READY MIX	
BATCH TICKET: ☒ YES ☐ NO		BATCH PLANT INSPECTION: ☐ YES ☒ NO	

PLACEMENT LOCATION: 1ST & 2ND FLOOR SLAB

TIME SAMPLED	TRUCK / TICKET NO:	YARDS PLACED	CYLINDERS MOLDED	SLUMP (IN.)	AIR CONTENT BY VOL. (%)	CONCRETE TEMP. (°F)	DENSITY (LB/FT ³)
10:00 am	78	10	4	8.00	5.00	60	125.02

COMPRESSIVE STRENGTH TEST RESULTS

Cylinder No.	Test Date	Age (days)	Dia. (in)	Area (in ²)	Maximum Load (lb)	Compressive Strength (psi)	*Type of Fracture	Attain Req'd f'c
145485	03/03/22	7	4.00	12.56	65,590	5,220	4	YES
145486	03/24/22	28	4.00	12.56	74,515	5,930	4	YES
145487	03/24/22	28	4.00	12.56	74,900	5,960	4	YES
145488	03/24/22	28	4.00	12.56	84,295	6,710	4	YES

NOTES:

- Cylinders molded and cured according to ASTM C31, prepared per ASTM ☐ C617 or ☒ C1231, and tested according to ASTM C39. Nominal cylinder 4" x 8" within ASTM tolerances.
- Field tests performed according to ASTM C172 (sampling), ASTM C1064, (concrete temp.), ASTM C143 (slump), ASTM ☐ C173 (LW) or ☒ C231 (PUMP) (air content) and ASTM C138 (unit weight).
- * Type of Fracture (1 – Cone), (2 – Cone & Split), (3 – Columnar), (4 – Shear), (5 – Side Fracture).
- These results are for only the items tested and MAY NOT be reproduced without the consent of the agency.

Remarks: _____

GEORGE GOMEZ / ACI # 01394671

Field Technician – Level / Certification No.

Jorge Lopez / ACI # 01208239

Lab Technician – Level / Certification No.



03/24/22

Date

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Email: SSC2039@gmail.com

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

CONCRETE FIELD TEST REPORT – ASTM C39

CLIENT: MING CHEUNG		DATE CAST: 03/24/22	DATE RECEIVED: 03/25/22
PROJECT: 503 WEST 144TH STREET, NYC		REPORT NO: SSC-503-04	JOB NO: 503-12-21
CONTRACTOR: HONOR		TOTAL CUBIC YARDS: 8	WEATHER: 45 °F
CLASS / DESIGN: 3500 PSI		CURING BOX: ☒ YES ☐ NO	PAGE: 1 OF 1
TR3 ON SITE: ☒ YES ☐ NO		CONCRETE SUPPLIER: JK CONCRETE READY MIX	
BATCH TICKET: ☒ YES ☐ NO		BATCH PLANT INSPECTION: ☐ YES ☒ NO	

PLACEMENT LOCATION: 3RD FLOOR SLAB

TIME SAMPLED	TRUCK / TICKET NO:	YARDS PLACED	CYLINDERS MOLDED	SLUMP (IN.)	AIR CONTENT BY VOL. (%)	CONCRETE TEMP. (°F)	DENSITY (LB/FT³)
12:30 pm	05	8	4	8.00	5.00	64	126.80

COMPRESSIVE STRENGTH TEST RESULTS

Cylinder No.	Test Date	Age (days)	Dia. (in)	Area (in²)	Maximum Load (lb)	Compressive Strength (psi)	*Type of Fracture	Attain Req'd f'c
147265	03/31/22	7	4.00	12.56	56,050	4,460	4	YES
147266	04/21/22	28	4.00	12.56	86,000	6,845	4	YES
147267	04/21/22	28	4.00	12.56	83,920	6,680	4	YES
147268	04/21/22	28	4.00	12.56	85,565	6,810	4	YES

NOTES:

- Cylinders molded and cured according to ASTM C31, prepared per ASTM ☐ C617 or ☒ C1231, and tested according to ASTM C39. Nominal cylinder 4" x 8" within ASTM tolerances.
- Field tests performed according to ASTM C172 (sampling), ASTM C1064, (concrete temp.), ASTM C143 (slump), ASTM ☐ C173 (LW) or ☒ C231 (PUMP) (air content) and ASTM C138 (unit weight).
- * Type of Fracture (1 – Cone), (2 – Cone & Split), (3 – Columnar), (4 – Shear), (5 – Side Fracture).
- These results are for only the items tested and MAY NOT be reproduced without the consent of the agency.

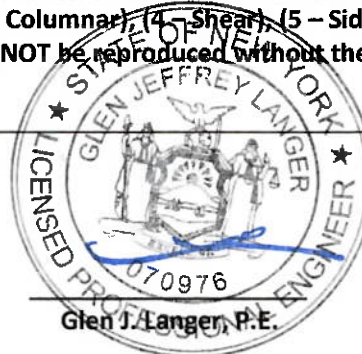
Remarks: _____

GEORGE GOMEZ / ACI # 01394671

Field Technician – Level / Certification No.

Jorge Lopez / ACI # 01208239

Lab Technician – Level / Certification No.



04/21/22

Date

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Email: SSC2039@gmail.com

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

CONCRETE FIELD TEST REPORT – ASTM C39

CLIENT: MING CHEUNG		DATE CAST: 04/21/22	DATE RECEIVED: 04/22/22
PROJECT: 503 WEST 144TH STREET, NYC		REPORT NO: SSC-503-05	JOB NO: 503-12-21
CONTRACTOR: HONOR		TOTAL CUBIC YARDS: 10	WEATHER: 56 °F
CLASS / DESIGN: 3500 PSI		CURING BOX: ☒ YES ☐ NO	PAGE: 1 OF 1
TR3 ON SITE: ☒ YES ☐ NO		CONCRETE SUPPLIER: JK CONCRETE READY MIX	
BATCH TICKET: ☒ YES ☐ NO		BATCH PLANT INSPECTION: ☐ YES ☒ NO	
PLACEMENT LOCATION: 4TH FLOOR SLAB ON METAL DECK			

TIME SAMPLED	TRUCK / TICKET NO:	YARDS PLACED	CYLINDERS MOLDED	SLUMP (IN.)	AIR CONTENT BY VOL. (%)	CONCRETE TEMP. (°F)	DENSITY (LB/FT³)
1:30 pm	2	10	4	7.50	2.25	60	130.40

COMPRESSIVE STRENGTH TEST RESULTS

Cylinder No.	Test Date	Age (days)	Dia. (in)	Area (in²)	Maximum Load (lb)	Compressive Strength (psi)	*Type of Fracture	Attain Req'd f'c
148637	04/28/22	7	4.00	12.56	85,815	6,825	3	YES
148638	05/19/22	28	4.00	12.56	92,330	7,350	4	YES
148639	05/19/22	28	4.00	12.56	89,860	7,150	4	YES
148640	05/19/22	28	4.00	12.56	93,685	7,455	4	YES

NOTES:

- Cylinders molded and cured according to ASTM C31, prepared per ASTM ☐ C617 or ☒ C1231, and tested according to ASTM C39. Nominal cylinder 4" x 8" within ASTM tolerances.
- Field tests performed according to ASTM C172 (sampling), ASTM C1064, (concrete temp.), ASTM C143 (slump), ASTM ☐ C173 (LW) or ☒ C231 (PUMP) (air content) and ASTM C138 (unit weight).
- * Type of Fracture (1 – Cone), (2 – Cone & Split), (3 – Columnar), (4 – Shear), (5 – Side Fracture).
- These results are for only the items tested and MAY NOT be reproduced without the consent of the agency.

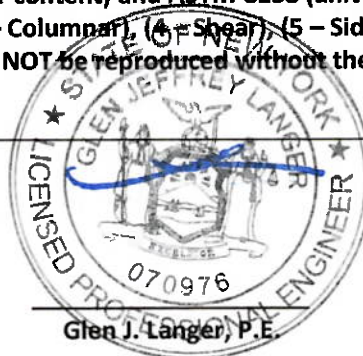
Remarks: _____

ENDI DEDUSHAJ / ACI # 01261076

Field Technician – Level / Certification No.

Jorge Lopez / ACI # 01208239

Lab Technician – Level / Certification No.



05/19/22

Date

S&S CONCRETE & SOIL TESTING

20-39 129TH STREET, COLLEGE POINT, NEW YORK 11356

PHONE: (718) 961-1000 FAX: (718) 961-1002

Email: SSC2039@gmail.com

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

CONCRETE FIELD TEST REPORT – ASTM C39

CLIENT: MING CHEUNG		DATE CAST: 05/11/22	DATE RECEIVED: 05/12/22
PROJECT: 503 WEST 144TH STREET, NYC		REPORT NO: SSC-503-06	JOB NO: 503-12-21
CONTRACTOR: HONOR		TOTAL CUBIC YARDS: 19	WEATHER: 58 °F
CLASS / DESIGN: 4000 PSI		CURING BOX: ☒ YES ☐ NO	PAGE: 1 OF 1
TR3 ON SITE: ☒ YES ☐ NO		CONCRETE SUPPLIER: JK CONCRETE READY MIX	
BATCH TICKET: ☒ YES ☐ NO		BATCH PLANT INSPECTION: ☐ YES ☒ NO	
PLACEMENT LOCATION: 4TH FLOOR SLAB ON METAL DECK			

TIME SAMPLED	TRUCK / TICKET NO:	YARDS PLACED	CYLINDERS MOLDED	SLUMP (IN.)	AIR CONTENT BY VOL. (%)	CONCRETE TEMP. (°F)	DENSITY (LB/FT³)
9:35 am	2	10	4	8.00	5.50	60	142.46

COMPRESSIVE STRENGTH TEST RESULTS

Cylinder No.	Test Date	Age (days)	Dia. (in)	Area (in²)	Maximum Load (lb)	Compressive Strength (psi)	*Type of Fracture	Attain Req'd f'c
149193	05/18/22	7	4.00	12.56	65,340	5,200	4	YES
149194	06/08/22	28	4.00	12.56	76,225	6,065	4	YES
149195	06/08/22	28	4.00	12.56	78,065	6,215	4	YES
149196	06/08/22	28	4.00	12.56	74,030	5,890	4	YES

NOTES:

- Cylinders molded and cured according to ASTM C31, prepared per ASTM ☐ C617 or ☒ C1231, and tested according to ASTM C39. Nominal cylinder 4" x 8" within ASTM tolerances.
- Field tests performed according to ASTM C172 (sampling), ASTM C1064, (concrete temp.), ASTM C143 (slump), ASTM ☐ C173 (LW) or ☒ C231 (PUMP) (air content) and ASTM C138 (unit weight).
- * Type of Fracture (1 – Cone), (2 – Cone & Split), (3 – Columnar), (4 – Shear), (5 – Side Fracture).
- These results are for only the items tested and MAY NOT be reproduced without the consent of the agency.

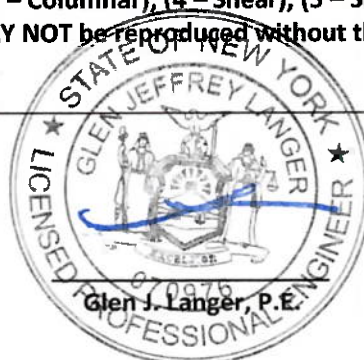
Remarks: _____

EDWIN HERRARA / ACI # 02086046

Field Technician – Level / Certification No.

Jorge Lopez / ACI # 01208239

Lab Technician – Level / Certification No.



06/08/22

Date

S&S CONCRETE & SOIL TESTING

20-39 129TH STREET, COLLEGE POINT, NEW YORK 11356

PHONE: (718) 961-1000 FAX: (718) 961-1002

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

CONCRETE FIELD TEST REPORT – ASTM C39

CLIENT: MING CHEUNG		DATE CAST: 05/20/22	DATE RECEIVED: 05/23/22
PROJECT: 503 WEST 144TH STREET, NYC		REPORT NO: SSC-503-07	JOB NO: 503-12-21
CONTRACTOR: HONOR		TOTAL CUBIC YARDS: 32	WEATHER: 60 °F
CLASS / DESIGN: 4000 PSI		CURING BOX: ☒ YES ☐ NO	PAGE: 1 OF 1
TR3 ON SITE: ☒ YES ☐ NO		CONCRETE SUPPLIER: JK CONCRETE READY MIX	
BATCH TICKET: ☒ YES ☐ NO		BATCH PLANT INSPECTION: ☐ YES ☒ NO	

PLACEMENT LOCATION: FOUNDATION WALL ON EXTENSION OF EXISTING BUILDING
FOUNDATION WALL BACK SIDE, LEFT SIDE AND RIGHT SIDE

TIME SAMPLED	TRUCK / TICKET NO:	YARDS PLACED	CYLINDERS MOLDED	SLUMP (IN.)	AIR CONTENT BY VOL. (%)	CONCRETE TEMP. (°F)	DENSITY (LB/FT³)
9:05 am	2	11	4	7.00	6.10	70	145.00

COMPRESSIVE STRENGTH TEST RESULTS

Cylinder No.	Test Date	Age (days)	Dia. (in)	Area (in²)	Maximum Load (lb)	Compressive Strength (psi)	*Type of Fracture	Attain Req'd f'c
149641	05/27/22	7	4.00	12.56	78,785	6,270	4	YES
149642	06/17/22	28	4.00	12.56	98,385	7,830	4	YES
149643	06/17/22	28	4.00	12.56	93,755	7,460	4	YES
149644	06/17/22	28	4.00	12.56	92,095	7,330	4	YES

NOTES:

- Cylinders molded and cured according to ASTM C31, prepared per ASTM ☐ C617 or ☒ C1231, and tested according to ASTM C39. Nominal cylinder 4" x 8" within ASTM tolerances.
- Field tests performed according to ASTM C172 (sampling), ASTM C1064, (concrete temp.), ASTM C143 (slump), ASTM ☐ C173 (LW) or ☒ C231 (PUMP) (air content) and ASTM C138 (unit weight).
- * Type of Fracture (1 – Cone), (2 – Cone & Split), (3 – Columnar), (4 – Shear), (5 – Side Fracture).
- These results are for only the items tested and MAY NOT be reproduced without the consent of the agency.

Remarks: _____

ENDI DEDUSHAJ / ACI # 01261076

Field Technician – Level / Certification No.

Jorge Lopez / ACI # 01208239

Lab Technician – Level / Certification No.



06/17/22

Date

S&S CONCRETE & SOIL TESTING

20-39 129TH STREET, COLLEGE POINT, NEW YORK 11356

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CONCRETE FIELD TEST REPORT – ASTM C39

CLIENT: MING CHEUNG		DATE CAST: 06/17/22	DATE RECEIVED: 06/20/22
PROJECT: 503 WEST 144TH STREET, NYC		REPORT NO: SSC-503-08	JOB NO: 503-12-21
CONTRACTOR: HONOR		TOTAL CUBIC YARDS: 11.5	WEATHER: 80 °F
CLASS / DESIGN: 4000 PSI		CURING BOX: ☒ YES ☐ NO	PAGE: 1 OF 1
TR3 ON SITE: ☒ YES ☐ NO		CONCRETE SUPPLIER: JK CONCRETE READY MIX	
BATCH TICKET: ☒ YES ☐ NO		BATCH PLANT INSPECTION: ☐ YES ☒ NO	

PLACEMENT LOCATION: 2ND FLOOR DECK

TIME SAMPLED	TRUCK / TICKET NO:	YARDS PLACED	CYLINDERS MOLDED	SLUMP (IN.)	AIR CONTENT BY VOL. (%)	CONCRETE TEMP. (°F)	DENSITY (LB/FT³)
2:38 pm	14	11.5	4	8.00	4.50	79	150.20

COMPRESSIVE STRENGTH TEST RESULTS

Cylinder No.	Test Date	Age (days)	Dia. (in)	Area (in²)	Maximum Load (lb)	Compressive Strength (psi)	*Type of Fracture	Attain Req'd f'c
151445	06/24/22	7	4.00	12.56	50,465	4,015	4	YES
151446	07/15/22	28	4.00	12.56	57,440	4,570	4	YES
151447	07/15/22	28	4.00	12.56	56,090	4,465	3	YES
151448	07/15/22	28	4.00	12.56	56,930	4,530	3	YES

NOTES:

- Cylinders molded and cured according to ASTM C31, prepared per ASTM ☐ C617 or ☒ C1231, and tested according to ASTM C39. Nominal cylinder 4" x 8" within ASTM tolerances.
- Field tests performed according to ASTM C172 (sampling), ASTM C1064, (concrete temp.), ASTM C143 (slump), ASTM ☐ C173 (LW) or ☒ C231 (PUMP) (air content) and ASTM C138 (unit weight).
- * Type of Fracture (1 – Cone), (2 – Cone & Split), (3 – Columnar), (4 – Shear), (5 – Side Fracture).
- These results are for only the items tested and MAY NOT be reproduced without the consent of the agency.

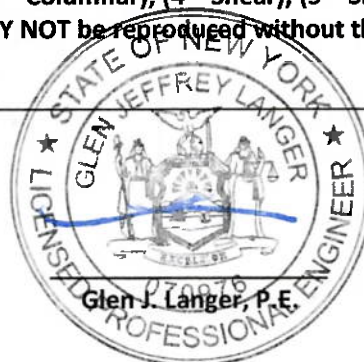
Remarks: _____

GEORGE GOMEZ / ACI #01394671

Field Technician – Level / Certification No.

Jorge Lopez / ACI # 01208239

Lab Technician – Level / Certification No.



07/15/22

Date

S&S CONCRETE & SOIL TESTING

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

CONCRETE FIELD TEST REPORT – ASTM C39

CLIENT: MING CHEUNG		DATE CAST: 06/30/22	DATE RECEIVED: 07/01/22
PROJECT: 503 WEST 144TH STREET, NYC		REPORT NO: SSC-503-09	JOB NO: 503-12-21
CONTRACTOR: HONOR		TOTAL CUBIC YARDS: 5	WEATHER: 80 °F
CLASS / DESIGN: 4000 PSI		CURING BOX: ☒ YES ☐ NO	PAGE: 1 OF 1
TR3 ON SITE: ☒ YES ☐ NO		CONCRETE SUPPLIER: JK CONCRETE READY MIX	
BATCH TICKET: ☒ YES ☐ NO		BATCH PLANT INSPECTION: ☐ YES ☒ NO	

PLACEMENT LOCATION: 3RD FLOOR DECK SLAB

TIME SAMPLED	TRUCK / TICKET NO:	YARDS PLACED	CYLINDERS MOLDED	SLUMP (IN.)	AIR CONTENT BY VOL. (%)	CONCRETE TEMP. (°F)	DENSITY (LB/FT³)
10:18 am	71	5	4	7.50	4.00	84	150.20

COMPRESSIVE STRENGTH TEST RESULTS

Cylinder No.	Test Date	Age (days)	Dia. (in)	Area (in²)	Maximum Load (lb)	Compressive Strength (psi)	*Type of Fracture	Attain Req'd f'c
151489	07/07/22	7	4.00	12.56	60,520	4,815	3	YES
151490	07/28/22	28	4.00	12.56	71,675	5,705	3	YES
151491	07/28/22	28	4.00	12.56	72,110	5,740	4	YES
151492	07/28/22	28	4.00	12.56	69,050	5,495	3	YES

NOTES:

- Cylinders molded and cured according to ASTM C31, prepared per ASTM ☐ C617 or ☒ C1231, and tested according to ASTM C39. Nominal cylinder 4" x 8" within ASTM tolerances.
- Field tests performed according to ASTM C172 (sampling), ASTM C1064, (concrete temp.), ASTM C143 (slump), ASTM ☐ C173 (LW) or ☒ C231 (PUMP) (air content) and ASTM C138 (unit weight).
- * Type of Fracture (1 – Cone), (2 – Cone & Split), (3 – Columnar), (4 – Shear), (5 – Side Fracture).
- These results are for only the items tested and MAY NOT be reproduced without the consent of the agency.

Remarks: _____

GEORGE GOMEZ / ACI #01394671

Field Technician – Level / Certification No.

Jorge Lopez / ACI # 01208239

Lab Technician – Level / Certification No.



07/28/22

Date

S&S CONCRETE & SOIL TESTING

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

CONCRETE FIELD TEST REPORT – ASTM C39

CLIENT: MING CHEUNG		DATE CAST: 07/12/22	DATE RECEIVED: 07/13/22
PROJECT: 503 WEST 144TH STREET, NYC		REPORT NO: SSC-503-10	JOB NO: 503-12-21
CONTRACTOR: HONOR		TOTAL CUBIC YARDS: 5	WEATHER: 72 °F
CLASS / DESIGN: 4000 PSI		CURING BOX: ☒ YES ☐ NO	PAGE: 1 OF 1
TR3 ON SITE: ☒ YES ☐ NO		CONCRETE SUPPLIER: JK CONCRETE READY MIX	
BATCH TICKET: ☒ YES ☐ NO		BATCH PLANT INSPECTION: ☐ YES ☒ NO	
PLACEMENT LOCATION: REINFORCED 4TH FLOOR SLAB REAR SECTION ON 4TH FLOOR			

TIME SAMPLED	TRUCK / TICKET NO:	YARDS PLACED	CYLINDERS MOLDED	SLUMP (IN.)	AIR CONTENT BY VOL. (%)	CONCRETE TEMP. (°F)	DENSITY (LB/FT ³)
9:00 am	02	5	4	8.50	5.50	78	143.10

COMPRESSIVE STRENGTH TEST RESULTS

Cylinder No.	Test Date	Age (days)	Dia. (in)	Area (in ²)	Maximum Load (lb)	Compressive Strength (psi)	*Type of Fracture	Attain Req'd f'c
151761	07/19/22	7	4.00	12.56	57,870	4,605	4	YES
151762	08/09/22	28	4.00	12.56	64,940	5,170	1	YES
151763	08/09/22	28	4.00	12.56	67,395	5,365	4	YES
151764	08/09/22	28	4.00	12.56	66,495	5,290	3	YES

NOTES:

- Cylinders molded and cured according to ASTM C31, prepared per ASTM ☐ C617 or ☒ C1231, and tested according to ASTM C39. Nominal cylinder 4" x 8" within ASTM tolerances.
- Field tests performed according to ASTM C172 (sampling), ASTM C1064, (concrete temp.), ASTM C143 (slump), ASTM ☐ C173 (LW) or ☒ C231 (PUMP) (air content) and ASTM C138 (unit weight).
- * Type of Fracture (1 – Cone), (2 – Cone & Split), (3 – Columnar), (4 – Shear), (5 – Side Fracture).
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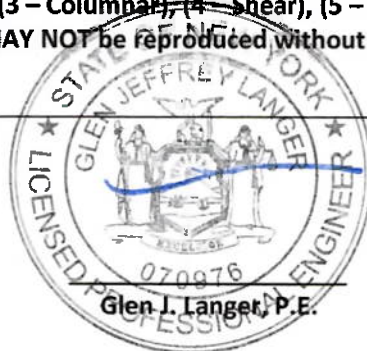
Remarks: _____

ARNOLDO LOPEZ / ACI # 01215614

Field Technician – Level / Certification No.

Jorge Lopez / ACI # 01208239

Lab Technician – Level / Certification No.



08/09/22

Date

S&S CONCRETE & SOIL TESTING

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

CONCRETE FIELD TEST REPORT – ASTM C39

CLIENT: MING CHEUNG		DATE CAST: 07/19/22	DATE RECEIVED: 07/20/22
PROJECT: 503 WEST 144TH STREET, NYC		REPORT NO: SSC-503-11	JOB NO: 503-12-21
CONTRACTOR: HONOR		TOTAL CUBIC YARDS: 15	WEATHER: 75 °F
CLASS / DESIGN: 4000 PSI		CURING BOX: ☒ YES ☐ NO	PAGE: 1 OF 1
TR3 ON SITE: ☒ YES ☐ NO		CONCRETE SUPPLIER: JK CONCRETE READY MIX	
BATCH TICKET: ☒ YES ☐ NO		BATCH PLANT INSPECTION: ☐ YES ☒ NO	

PLACEMENT LOCATION: REINFORCED ROOF SLAB (5TH FLOOR LEVEL)

TIME SAMPLED	TRUCK / TICKET NO:	YARDS PLACED	CYLINDERS MOLDED	SLUMP (IN.)	AIR CONTENT BY VOL. (%)	CONCRETE TEMP. (°F)	DENSITY (LB/FT³)
9:05 am	02	10	4	8.50	4.50	70	144.10

COMPRESSIVE STRENGTH TEST RESULTS

Cylinder No.	Test Date	Age (days)	Dia. (in)	Area (in²)	Maximum Load (lb)	Compressive Strength (psi)	*Type of Fracture	Attain Req'd f'c
153329	07/26/22	7	4.00	12.56	50,280	4,000	4	YES
153330	08/16/22	28	4.00	12.56	58,110	4,625	3	YES
153331	08/16/22	28	4.00	12.56	58,495	4,655	4	YES
153332	08/16/22	28	4.00	12.56	59,190	4,710	4	YES

NOTES:

- Cylinders molded and cured according to ASTM C31, prepared per ASTM ☐ C617 or ☒ C1231, and tested according to ASTM C39. Nominal cylinder 4" x 8" within ASTM tolerances.
- Field tests performed according to ASTM C172 (sampling), ASTM C1064, (concrete temp.), ASTM C143 (slump), ASTM ☐ C173 (LW) or ☒ C231 (PUMP) (air content) and ASTM C138 (unit weight).
- * Type of Fracture (1 – Cone), (2 – Cone & Split), (3 – Columnar), (4 – Shear), (5 – Side Fracture).
- These results are for only the items tested and MAY NOT be reproduced without the consent of the agency.

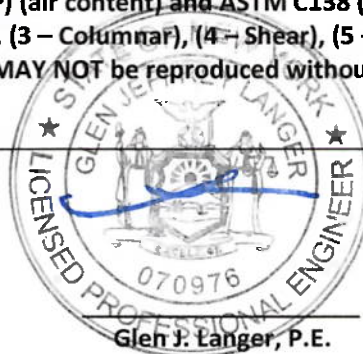
Remarks: _____

ARNOLDO LOPEZ / ACI # 01215614

Field Technician – Level / Certification No.

Jorge Lopez / ACI # 01208239

Lab Technician – Level / Certification No.



08/16/22

Date

S&S CONCRETE & SOIL TESTING

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

CONCRETE FIELD TEST REPORT – ASTM C39

CLIENT: MING CHEUNG		DATE CAST: 07/25/22	DATE RECEIVED: 07/26/22
PROJECT: 503 WEST 144TH STREET, NYC		REPORT NO: SSC-503-12	JOB NO: 503-12-21
CONTRACTOR: HONOR		TOTAL CUBIC YARDS: 29	WEATHER: 80 °F
CLASS / DESIGN: 4000 PSI		CURING BOX: ☒ YES ☐ NO	PAGE: 1 OF 1
TR3 ON SITE: ☒ YES ☐ NO		CONCRETE SUPPLIER: JK CONCRETE READY MIX	
BATCH TICKET: ☒ YES ☐ NO		BATCH PLANT INSPECTION: ☐ YES ☒ NO	

PLACEMENT LOCATION: 5TH FLOOR DECK SLAB

TIME SAMPLED	TRUCK / TICKET NO:	YARDS PLACED	CYLINDERS MOLDED	SLUMP (IN.)	AIR CONTENT BY VOL. (%)	CONCRETE TEMP. (°F)	DENSITY (LB/FT³)
9:20 am	06	10	4	8.50	5.75	75	121.20

COMPRESSIVE STRENGTH TEST RESULTS

Cylinder No.	Test Date	Age (days)	Dia. (in)	Area (in²)	Maximum Load (lb)	Compressive Strength (psi)	*Type of Fracture	Attain Req'd f'c
150301	08/01/22	7	4.00	12.56	49,510	3,940	3	YES
150302	08/22/22	28	4.00	12.56	70,435	5,605	3	YES
150303	08/22/22	28	4.00	12.56	74,080	5,895	4	YES
150304	08/22/22	28	4.00	12.56	72,385	5,760	3	YES

NOTES:

- Cylinders molded and cured according to ASTM C31, prepared per ASTM ☐ C617 or ☒ C1231, and tested according to ASTM C39. Nominal cylinder 4" x 8" within ASTM tolerances.
- Field tests performed according to ASTM C172 (sampling), ASTM C1064, (concrete temp.), ASTM C143 (slump), ASTM ☐ C173 (LW) or ☒ C231 (PUMP) (air content) and ASTM C138 (unit weight).
- * Type of Fracture (1 – Cone), (2 – Cone & Split), (3 – Columnar), (4 – Shear), (5 – Side Fracture).
- These results are for only the items tested and MAY NOT be reproduced without the consent of the agency.

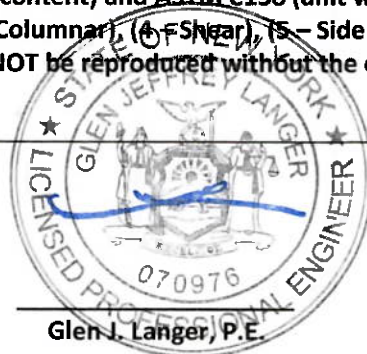
Remarks: _____

MUNTAZ HUSEIN / ACI #01241558

Field Technician – Level / Certification No.

Jorge Lopez / ACI # 01208239

Lab Technician – Level / Certification No.



08/22/22

Date

S&S CONCRETE & SOIL TESTING

20-39 129TH STREET, COLLEGE POINT, NEW YORK 11356

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

CONCRETE FIELD TEST REPORT – ASTM C39

CLIENT: MING CHEUNG		DATE CAST: 08/05/22	DATE RECEIVED: 08/06/22
PROJECT: 503 WEST 144TH STREET, NYC		REPORT NO: SSC-503-13	JOB NO: 503-12-21
CONTRACTOR: HONOR		TOTAL CUBIC YARDS: 5	WEATHER: 79 °F
CLASS / DESIGN: 4000 PSI		CURING BOX: ☒ YES ☐ NO	PAGE: 1 OF 1
TR3 ON SITE: ☒ YES ☐ NO		CONCRETE SUPPLIER: JK CONCRETE READY MIX	
BATCH TICKET: ☒ YES ☐ NO		BATCH PLANT INSPECTION: ☐ YES ☒ NO	

PLACEMENT LOCATION: BULKHEAD SLAB

TIME SAMPLED	TRUCK / TICKET NO:	YARDS PLACED	CYLINDERS MOLDED	SLUMP (IN.)	AIR CONTENT BY VOL. (%)	CONCRETE TEMP. (°F)	DENSITY (LB/FT ³)
9:01 am	2	5	4	7.25	5.10	89	143.08

COMPRESSIVE STRENGTH TEST RESULTS

Cylinder No.	Test Date	Age (days)	Dia. (in)	Area (in ²)	Maximum Load (lb)	Compressive Strength (psi)	*Type of Fracture	Attain Req'd f'c
153593	08/12/22	7	4.00	12.56	35,760	2,845	4	YES
153594	09/02/22	28	4.00	12.56	50,655	4,030	4	YES
153595	09/02/22	28	4.00	12.56	50,555	4,025	1	YES
153596	09/02/22	28	4.00	12.56	50,315	4,005	1	YES

NOTES:

- Cylinders molded and cured according to ASTM C31, prepared per ASTM ☐ C617 or ☒ C1231, and tested according to ASTM C39. Nominal cylinder 4" x 8" within ASTM tolerances.
- Field tests performed according to ASTM C172 (sampling), ASTM C1064, (concrete temp.), ASTM C143 (slump), ASTM ☐ C173 (LW) or ☒ C231 (PUMP) (air content) and ASTM C138 (unit weight).
- * Type of Fracture (1 – Cone), (2 – Cone & Split), (3 – Columnar), (4 – Shear), (5 – Side Fracture).
- These results are for only the items tested and MAY NOT be reproduced without the consent of the agency.

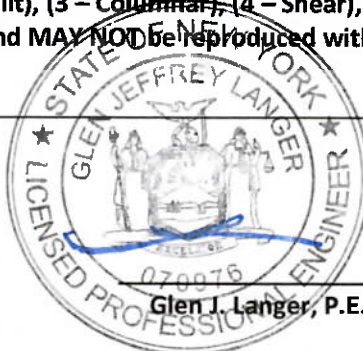
Remarks: _____

ENDI DEDUSHAJ / ACI # 01261076

Field Technician – Level / Certification No.

Jorge Lopez / ACI # 01208239

Lab Technician – Level / Certification No.



09/02/22

Date

S&S CONCRETE & SOIL TESTING

20-39 129TH STREET, COLLEGE POINT, NEW YORK 11356

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Email: SSC2039@gmail.com

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

CONCRETE FIELD TEST REPORT – ASTM C39

CLIENT: MING CHEUNG		DATE CAST: 09/21/22	DATE RECEIVED: 09/22/22
PROJECT: 503 WEST 144TH STREET, NYC		REPORT NO: SSC-503-14	JOB NO: 503-12-21
CONTRACTOR: HONOR		TOTAL CUBIC YARDS: 20	WEATHER: 75 °F
CLASS / DESIGN: 4000 PSI		CURING BOX: ☒ YES ☐ NO	PAGE: 1 OF 1
TR3 ON SITE: ☒ YES ☐ NO		CONCRETE SUPPLIER: JK CONCRETE READY MIX	
BATCH TICKET: ☒ YES ☐ NO		BATCH PLANT INSPECTION: ☐ YES ☒ NO	

PLACEMENT LOCATION: BASEMENT SLAB

TIME SAMPLED	TRUCK / TICKET NO:	YARDS PLACED	CYLINDERS MOLDED	SLUMP (IN.)	AIR CONTENT BY VOL. (%)	CONCRETE TEMP. (°F)	DENSITY (LB/FT³)
9:13 am	78	10	4	7.00	5.10	76	145.24

COMPRESSIVE STRENGTH TEST RESULTS

Cylinder No.	Test Date	Age (days)	Dia. (in)	Area (in²)	Maximum Load (lb)	Compressive Strength (psi)	*Type of Fracture	Attain Req'd f'c
155585	09/28/22	7	4.00	12.56	65,955	5,250	4	YES
155586	10/19/22	28	4.00	12.56	77,500	6,170	3	YES
155587	10/19/22	28	4.00	12.56	75,755	6,030	3	YES
155588	10/19/22	28	4.00	12.56	78,840	6,275	4	YES

NOTES:

- Cylinders molded and cured according to ASTM C31, prepared per ASTM ☐ C617 or ☒ C1231, and tested according to ASTM C39. Nominal cylinder 4" x 8" within ASTM tolerances.
- Field tests performed according to ASTM C172 (sampling), ASTM C1064, (concrete temp.), ASTM C143 (slump), ASTM ☐ C173 (LW) or ☒ C231 (PUMP) (air content) and ASTM C138 (unit weight).
- * Type of Fracture (1 – Cone), (2 – Cone & Split), (3 – Columnar), (4 – Shear), (5 – Side Fracture).
- These results are for only the items tested and MAY NOT be reproduced without the consent of the agency.

Remarks: _____

JORGE LOPEZ/ ACI # 01208239

Field Technician – Level / Certification No.

Jorge Lopez / ACI # 01208239

Lab Technician – Level / Certification No.



Glen J. Langer, P.E.

10/19/22

Date