131 Presumpscot Street
Portland, ME 04103
T: 207.874.2323
F: 207.874.2727
E:

Project No. 15015
667 Congress Street
667 Congress Street
Portland, ME 04102

CONSTRUCTION

Submittal 033000-003D
Review Cycle 1

Title	**Concrete Test Reports - Concrete Flatwork**		
Type	**Test Results**		
Sent Date	**29-Dec-2016**	Spec Section	**033000**
Due Date		Spec Sub-Section	

Sent To For Review
Ryan Senatore
Ryan Senatore Architecture

Responsible Subcontractor / Vendor
Lindsey Burton
PC Construction Company

Item Being Submitted
Concrete Test Reports - Concrete Flatwork

Included in this submittal are the following items:

1) Concrete Flatwork - Test Reports - For Record Only

Contractor's Review Stamp	Architect's Review Stamp
I hereby certify that I have examined the enclosed submittal(s) and have determined and verified all field measurements, construction criteria, materials, catalog numbers, and similar data, coordinated the submittal(s) with other submissions and the work of other trades and contractors and, to the best of my knowledge and belief, the enclosed submittal(s) is/are in full compliance with the Contract requirements, except as noted above.	
Signature  Date 12/29/16	
Name Lindsey Burton PC Construction Company	

This approval does not release subcontractor / vendor from the contractual responsibilities.

Structural Integrity Consulting Engineers, Inc.
77 Oak Street, Portland, ME 04101

SHOP DRAWINGS REVIEWED
- ■ Approved, for record only
- □ Approved As Noted
- □ Revise and Resubmit
- □ Rejected

Reviewed By: MKL Date: 01/13/2017
Received at SI, Inc: 12/29/2016
SI, Inc. Job #: 15-0038

Note: Submittal was reviewed for design conformity and general conformance to contract documents only. The contractor is responsible for confirming and correlating dimensions at the job site for tolerances, clearance, quantities, fabrication processes and techniques of construction. Approval shall not constitute approval of safety precautions, construction means, methods, techniques, sequences, or procedures. Full compliance with contract documents is contractor's responsibility.

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
July 8, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
83651	7
83655	7
83659	7

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, June 30, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

Slab M-T 2-7

Test Cylinder Location:

5.2, Q`

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	2 of 3	Number of 4x8 Cylinders:		4
Ticket Number:	282029	Cast By:		Anthony G. Stohlberg
Truck Number:	163	Slump:	ASTM C 143	5.50 in.
Cubic Yards:	10	Air Temperature:		81 °F
Total Yardage:	30	Concrete Temperature:		77 °F
Total Time (minutes):	64	Air Content:	ASTM C 231	2.0 %

Specimen Storage ASTM C 31

Field Cure Days: 1

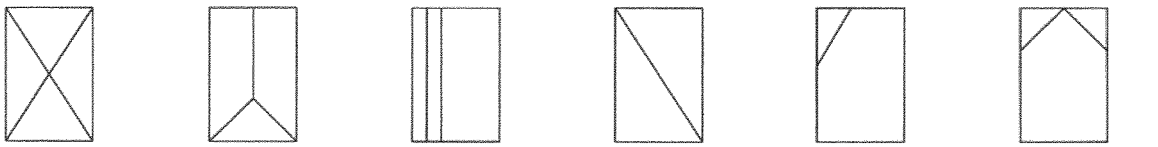
Date Received: 7/1/2016

Condition of Cylinders: Good

Curing Temperatures: 75 °F to 83 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83651	7/7/2016	4.00	12.57	7	43965	3500	3
83652	7/28/2016			28			
83653	7/28/2016			28			
83654	7/28/2016			28			



Remarks:

Checked by: _____

For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, June 30, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

Slab G-M.8, 7-3 excluding L-M.8 to 7-5.8

Test Cylinder Location:

J,5

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	2 of 8	Number of 4x8 Cylinders:		4
Ticket Number:	282036	Cast By:		Anthony G. Stohlberg
Truck Number:	146	Slump:	ASTM C 143	4.50 in.
Cubic Yards:	10	Air Temperature:		81 °F
Total Yardage:	76	Concrete Temperature:		80 °F
Total Time (minutes):	69	Air Content:	ASTM C 231	4.9 %

Specimen Storage ASTM C 31

Field Cure Days: 1

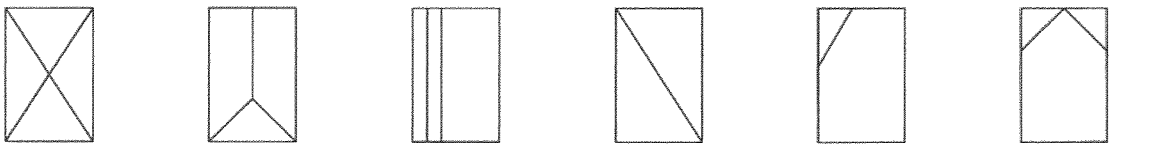
Date Received: 7/1/2016

Condition of Cylinders: Good

Curing Temperatures: 75 °F to 83 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83655	7/7/2016	4.00	12.57	7	56615	4510	2
83656	7/28/2016			28			
83657	7/28/2016			28			
83658	7/28/2016			28			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, June 30, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

Slab G-M.8, 7-3 excluding L-M.8 to 7-5.8

Test Cylinder Location:

5, L.4

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	7 of 8	Number of 4x8 Cylinders:		4
Ticket Number:	282042	Cast By:		Anthony G. Stohlberg
Truck Number:	148	Slump:	ASTM C 143	5.00 in.
Cubic Yards:	10	Air Temperature:		83 °F
Total Yardage:	76	Concrete Temperature:		80 °F
Total Time (minutes):	77	Air Content:	ASTM C 231	4.5 %

Specimen Storage ASTM C 31

Field Cure Days: 1

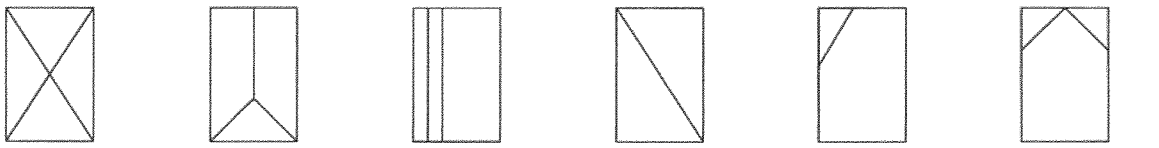
Date Received: 7/1/2016

Condition of Cylinders: Good

Curing Temperatures: 75 °F to 83 °F

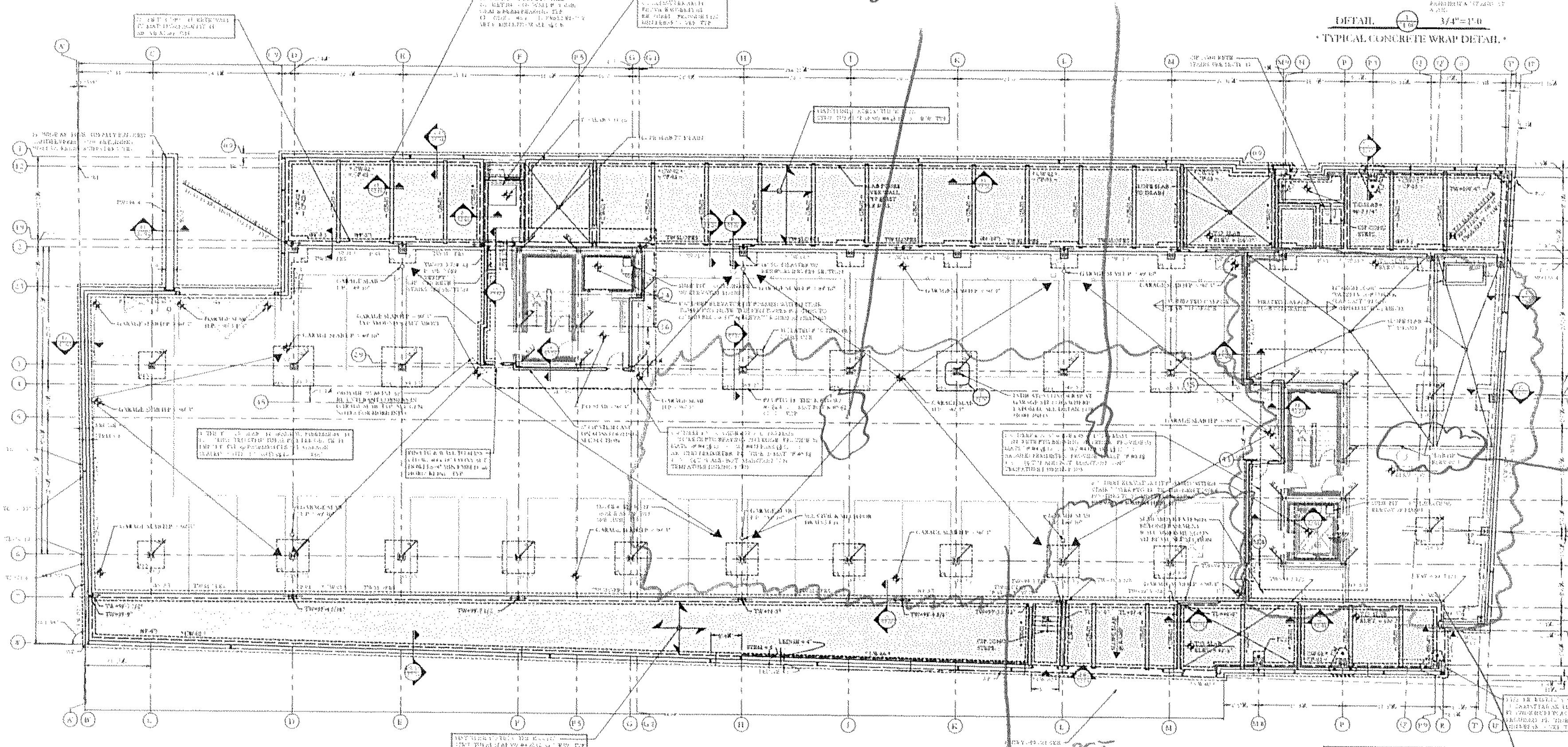
ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

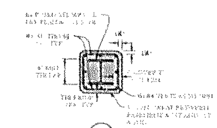
Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83659	7/7/2016	4.00	12.57	7	52715	4190	2
83660	7/28/2016			28			
83661	7/28/2016			28			
83662	7/28/2016			28			



Remarks:

Checked by: _____ for Matthew T. Grady, Manager of MTS





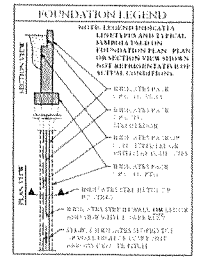
FOUNDATION PLAN

PILE CAP AND GRADE BEAM SCHEDULE

CONCRETE WALL SCHEDULE

CONCRETE FOOTING SCHEDULE

FOUNDATION LEGEND



Project: 667 Congress Street
Project No.: 1565-001
Date: 6/30/2016
Technologist: Tony Stohlberg

Structural Integrity

667 CONGRESS STREET

APARTMENTS

PORTLAND, MAINE

RSA
RYAN SENATORE ARCHITECTURE

CONSULTANTS

REVISIONS

DATE	2 NOVEMBER 2015
PROJECT No.	1513
DRAWN BY	MRL
CHECKED BY	ACJ
SCALE	AS NOTED

SHEET TITLE

FOUNDATION PLAN

S1.00

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
July 29, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
83652	28
83653	28
83654	28
83656	28
83657	28
83658	28
83660	28
83661	28
83662	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, June 30, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:
Slab M-T 2-7

Test Cylinder Location:
5.2, Q`

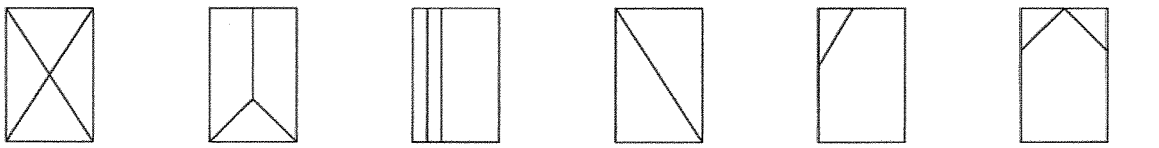
ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	2 of 3	Number of 4x8 Cylinders:		4
Ticket Number:	282029	Cast By:		Anthony G. Stohlberg
Truck Number:	163	Slump:	ASTM C 143	5.50 in.
Cubic Yards:	10	Air Temperature:		81 °F
Total Yardage:	30	Concrete Temperature:		77 °F
Total Time (minutes):	64	Air Content:	ASTM C 231	2.0 %

Specimen Storage ASTM C 31
Field Cure Days: 1
Date Received: 7/1/2016
Condition of Cylinders: Good
Curing Temperatures: 75 °F to 83 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83651	7/7/2016	4.00	12.57	7	43965	3500	3
83652	7/28/2016	3.98	12.47	28	56555	4540	4
83653	7/28/2016	3.98	12.47	28	55945	4490	5
83654	7/28/2016	3.98	12.47	28	54365	4360	3



Remarks:

Checked by: _____
For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, June 30, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

Slab G-M.8, 7-3 excluding L-M.8 to 7-5.8

Test Cylinder Location:

J,5

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	2 of 8	Number of 4x8 Cylinders:		4
Ticket Number:	282036	Cast By:		Anthony G. Stohlberg
Truck Number:	146	Slump:	ASTM C 143	4.50 in.
Cubic Yards:	10	Air Temperature:		81 °F
Total Yardage:	76	Concrete Temperature:		80 °F
Total Time (minutes):	69	Air Content:	ASTM C 231	4.9 %

Specimen Storage ASTM C 31

Field Cure Days: 1

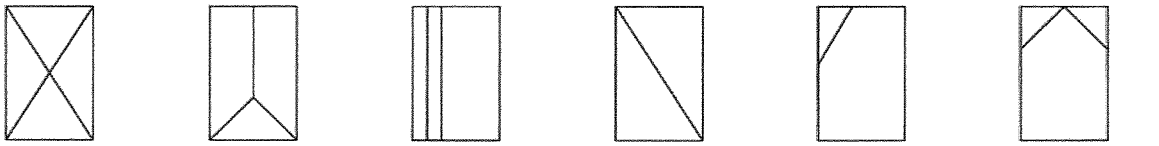
Date Received: 7/1/2016

Condition of Cylinders: Good

Curing Temperatures: 75 °F to 83 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83655	7/7/2016	4.00	12.57	7	56615	4510	2
83656	7/28/2016	3.98	12.47	28	68620	5500	2
83657	7/28/2016	3.98	12.47	28	64455	5170	2
83658	7/28/2016	3.98	12.47	28	68575	5500	2



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, June 30, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

Slab G-M.8, 7-3 excluding L-M.8 to 7-5.8

Test Cylinder Location:

5, L.4

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	7 of 8	Number of 4x8 Cylinders:		4
Ticket Number:	282042	Cast By:		Anthony G. Stohlberg
Truck Number:	148	Slump:	ASTM C 143	5.00 in.
Cubic Yards:	10	Air Temperature:		83 °F
Total Yardage:	76	Concrete Temperature:		80 °F
Total Time (minutes):	77	Air Content:	ASTM C 231	4.5 %

Specimen Storage ASTM C 31

Field Cure Days: 1

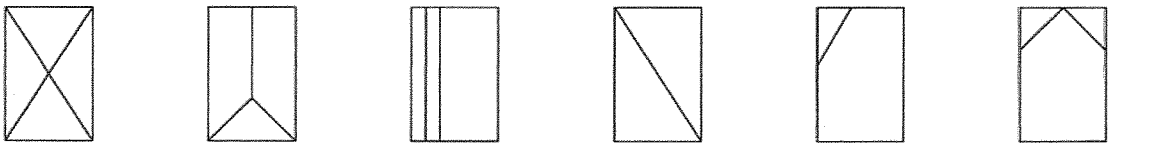
Date Received: 7/1/2016

Condition of Cylinders: Good

Curing Temperatures: 75 °F to 83 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83659	7/7/2016	4.00	12.57	7	52715	4190	2
83660	7/28/2016	3.98	12.47	28	69195	5550	2
83661	7/28/2016	3.98	12.47	28	71210	5710	2
83662	7/28/2016	3.98	12.47	28	69795	5600	2



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE
RSA
S1.00
FOUNDATION PLAN
Project: 667 Congress Street
Project No.: 1565-001
Date: 6/30/2016
Technologist: Tony Stahlberg
Set 2
Set 3
Set 1
No Air

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
August 8, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
83714	28
83715	28
83716	28
83718	28
83719	28
83720	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
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William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Wednesday, July 06, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	5000 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	Master Glenium 7500-MRWR, Polymesh Reinforcing Fiber, MasterAir AE200

Placement Location:

1st Floor Parking Slab east Side of Building, Line 4.1-2

Test Cylinder Location:

E/4.1

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	1 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	282177	Cast By:		Patrick J. Roma
Truck Number:	119	Slump:	ASTM C 143	6.50 in.
Cubic Yards:	10	Air Temperature:		72 °F
Total Yardage:	100	Concrete Temperature:		77 °F
Total Time (minutes):	76	Air Content:	ASTM C 231	4.0 %

Specimen Storage ASTM C 31

Field Cure Days: 1

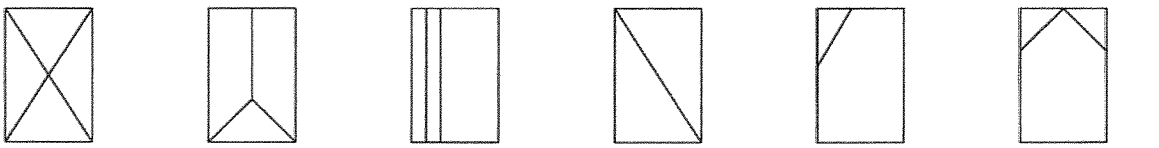
Date Received: 7/7/2016

Condition of Cylinders: Good

Curing Temperatures: 78 °F to 89 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83713	7/13/2016	4.00	12.56	7	52770	4200	5
83714	8/3/2016	3.99	12.49	28	61155	4900	3
83715	8/3/2016	3.99	12.49	28	63525	5090	5
83716	8/3/2016	3.99	12.49	28	62525	5010	5



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Wednesday, July 06, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	5000 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	Master Glenium 7500-MRWR, Polymesh Reinforcing Fiber, MasterAir AE200

Placement Location:

1st Floor Parking Slab east Side of Building, Line 4.1-2

Test Cylinder Location:

K/2.1

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	6 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	282183	Cast By:		Patrick J. Roma
Truck Number:	98	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10	Air Temperature:		78 °F
Total Yardage:	100	Concrete Temperature:		78 °F
Total Time (minutes):	76	Air Content:	ASTM C 231	4.3 %

Specimen Storage ASTM C 31

Field Cure Days: 1

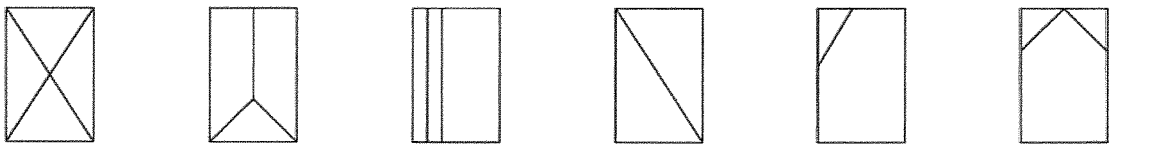
Date Received: 7/7/2016

Condition of Cylinders: Good

Curing Temperatures: 78 °F to 89 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83717	7/13/2016	4.00	12.56	7	55310	4400	5
83718	8/3/2016	3.99	12.49	28	64170	5140	2
83719	8/3/2016	3.99	12.49	28	62755	5020	3
83720	8/3/2016	3.99	12.49	28	64950	5200	3



Remarks:

Checked by: _____

For Matthew T. Grady, Manager of MTS

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
August 8, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
83822	28
83823	28
83826	28
83827	28
83828	28
83830	28
83831	28
83832	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Friday, July 08, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	5000 psi
Weather Conditions:	Overcast	**Max. Aggregate Size:**	3/4 inch
Placement Method:	pump	**Admixtures:**	Polymesh, MRWR, MasterAir

Placement Location:

Line 4.1-6

Test Cylinder Location:

C.5

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	1 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	289317	Cast By:		Patrick J. Roma
Truck Number:	83	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10	Air Temperature:		62 °F
Total Yardage:	100	Concrete Temperature:		76 °F
Total Time (minutes):	63	Air Content:	ASTM C 231	5.5 %

Specimen Storage ASTM C 31

Field Cure Days: 3

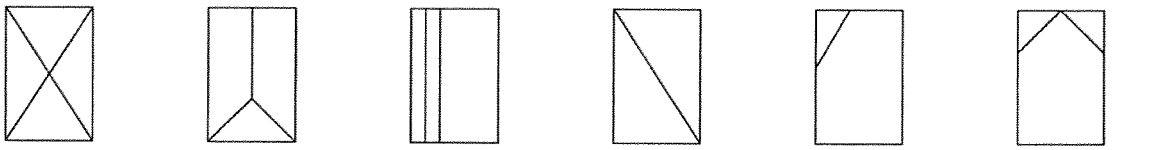
Date Received: 7/11/2016

Condition of Cylinders: Good

Curing Temperatures: 68 °F to 73 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83821	7/15/2016	3.99	12.48	7	55500	4450	5
83822	8/5/2016	4.02	12.68	28	62715	4950	5
83823	8/5/2016	4.02	12.68	28	63470	5010	5
83824	9/2/2016	4.02	12.68	56			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Friday, July 08, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	5000 psi
Weather Conditions:	Overcast	**Max. Aggregate Size:**	3/4 inch
Placement Method:	pump	**Admixtures:**	Polymesh, MRWR, MasterAir

Placement Location:
Line 4.1-6

Test Cylinder Location:
H.6

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

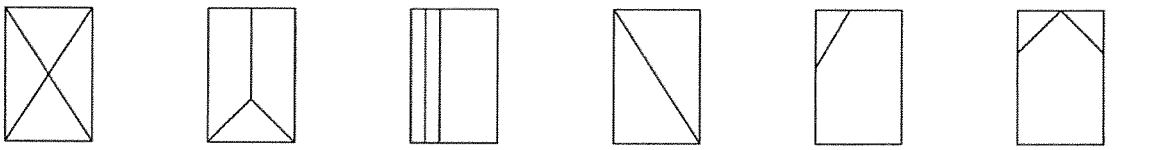
Load Number:	1 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	289317	Cast By:		Patrick J. Roma
Truck Number:	101	Slump:	ASTM C 143	5.50 in.
Cubic Yards:	10	Air Temperature:		64 °F
Total Yardage:	100	Concrete Temperature:		78 °F
Total Time (minutes):	54	Air Content:	ASTM C 231	5.5 %

Specimen Storage ASTM C 31

Field Cure Days: 3
Date Received: 7/11/2016
Condition of Cylinders: Good
Curing Temperatures: 68 °F to 73 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83825	7/15/2016	3.99	12.48	7	57305	4590	2
83826	8/5/2016	3.99	12.48	28	74256	5950	5
83827	8/5/2016	3.99	12.48	28	74880	6000	3
83828	8/5/2016	3.99	12.48	28	74381	5960	3



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Friday, July 08, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Overcast	**Max. Aggregate Size:**	3/4 inch
Placement Method:	pump	**Admixtures:**	MRWR, Masterset

Placement Location:

Double Slab under Joes

Test Cylinder Location:

A1/6

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	1 of 2	Number of 4x8 Cylinders:		4
Ticket Number:	289334	Cast By:		Patrick J. Roma
Truck Number:	101	Slump:	ASTM C 143	5.00 in.
Cubic Yards:	6.5	Air Temperature:		65 °F
Total Yardage:	15	Concrete Temperature:		74 °F
Total Time (minutes):	80	Air Content:	ASTM C 231	2.6 %

Specimen Storage ASTM C 31

Field Cure Days: 3

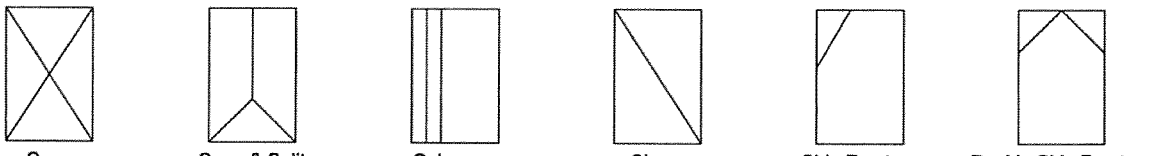
Date Received: 7/11/2016

Condition of Cylinders: Good

Curing Temperatures: 68 °F to 73 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83829	7/15/2016	3.99	12.48	7	52880	4240	2
83830	8/5/2016	4.02	12.68	28	61900	4880	5
83831	8/5/2016	4.02	12.68	28	60925	4800	5
83832	8/5/2016	4.02	12.68	28	60420	4770	5



Remarks:

Checked by: for Matthew T. Grady, Manager of MTS

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
September 13, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
83821	7
83822	28
83823	28
83824	56
83825	7
83826	28
83827	28
83828	28

Remarks:
Correction done to Design Strength.

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Friday, July 08, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4500 psi
Weather Conditions:	Overcast	**Max. Aggregate Size:**	3/4 inch
Placement Method:	pump	**Admixtures:**	Polymesh, MRWR, MasterAir

Placement Location:
Line 4.1-6

Test Cylinder Location:
C.5

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

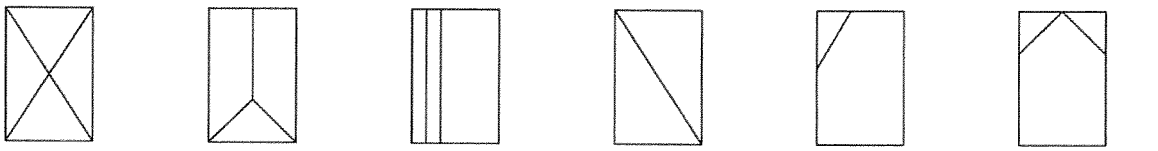
Load Number:	1 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	289317	Cast By:		Patrick J. Roma
Truck Number:	83	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10	Air Temperature:		62 °F
Total Yardage:	100	Concrete Temperature:		76 °F
Total Time (minutes):	63	Air Content:	ASTM C 231	5.5 %

Specimen Storage ASTM C 31

Field Cure Days: 3
Date Received: 7/11/2016
Condition of Cylinders: Good
Curing Temperatures: 68 °F to 73 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83821	7/15/2016	3.99	12.48	7	55500	4450	5
83822	8/5/2016	4.02	12.68	28	62715	4950	5
83823	8/5/2016	4.02	12.68	28	63470	5010	5
83824	9/2/2016	4.02	12.68	56	71225	5620	5



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Friday, July 08, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4500 psi
Weather Conditions:	Overcast	**Max. Aggregate Size:**	3/4 inch
Placement Method:	pump	**Admixtures:**	Polymesh, MRWR, MasterAir

Placement Location:
Line 4.1-6

Test Cylinder Location:
H.6

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

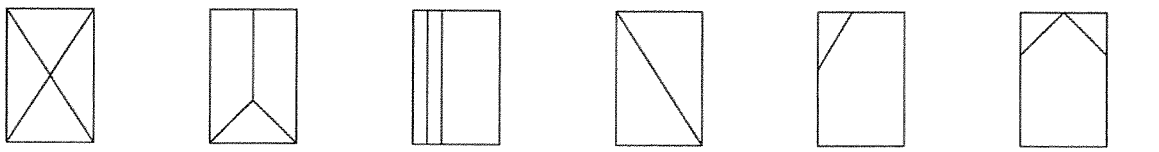
Load Number:	1 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	289317	Cast By:		Patrick J. Roma
Truck Number:	101	Slump:	ASTM C 143	5.50 in.
Cubic Yards:	10	Air Temperature:		64 °F
Total Yardage:	100	Concrete Temperature:		78 °F
Total Time (minutes):	54	Air Content:	ASTM C 231	5.5 %

Specimen Storage ASTM C 31

Field Cure Days: 3
Date Received: 7/11/2016
Condition of Cylinders: Good
Curing Temperatures: 68 °F to 73 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83825	7/15/2016	3.99	12.48	7	57305	4590	2
83826	8/5/2016	3.99	12.48	28	74256	5950	5
83827	8/5/2016	3.99	12.48	28	74880	6000	3
83828	8/5/2016	3.99	12.48	28	74381	5960	3



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Friday, July 08, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Overcast	**Max. Aggregate Size:**	3/4 inch
Placement Method:	pump	**Admixtures:**	MRWR, Masterset

Placement Location:
Double Slab under Joes

Test Cylinder Location:
A1/6

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

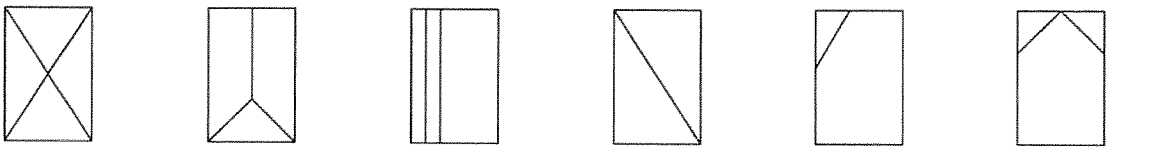
Load Number:	1 of 2	Number of 4x8 Cylinders:		4
Ticket Number:	289334	Cast By:		Patrick J. Roma
Truck Number:	101	Slump:	ASTM C 143	5.00 in.
Cubic Yards:	6.5	Air Temperature:		65 °F
Total Yardage:	15	Concrete Temperature:		74 °F
Total Time (minutes):	80	Air Content:	ASTM C 231	2.6 %

Specimen Storage ASTM C 31

Field Cure Days: 3
Date Received: 7/11/2016
Condition of Cylinders: Good
Curing Temperatures: 68 °F to 73 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83829	7/15/2016	3.99	12.48	7	52880	4240	2
83830	8/5/2016	4.02	12.68	28	61900	4880	5
83831	8/5/2016	4.02	12.68	28	60925	4800	5
83832	8/5/2016	4.02	12.68	28	60420	4770	5



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
July 21, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
83859	7
83863	7
83867	7

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, July 12, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:
Line K south Slab

Test Cylinder Location:
P/2.5

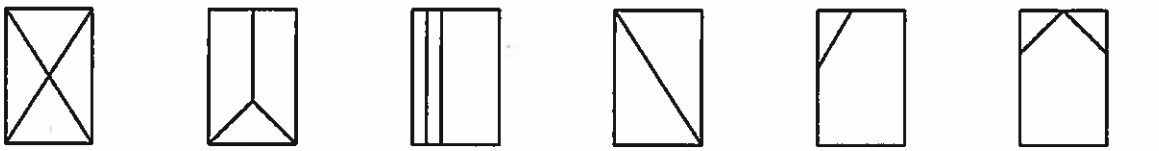
ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	2 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	289417	Cast By:		Anthony G. Stohlberg
Truck Number:	84	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10	Air Temperature:		85 °F
Total Yardage:	100	Concrete Temperature:		79 °F
Total Time (minutes):	72	Air Content:	ASTM C 231	2.5 %

Specimen Storage ASTM C 31
Field Cure Days: 1
Date Received: 7/13/2016
Condition of Cylinders: Good
Curing Temperatures: 78 °F to 86 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83859	7/19/2016	3.99	12.52	7	43820	3500	2
83860	8/9/2016			28			
83861	8/9/2016			28			
83862	8/9/2016			28			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, July 12, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:
Line K south Slab

Test Cylinder Location:
L/5.5

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

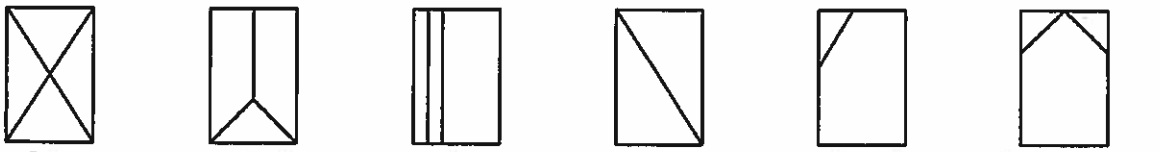
Date Report Issued:

Load Number:	7 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	289425	Cast By:		Anthony G. Stohlberg
Truck Number:	84	Slump:	ASTM C 143	7.00 in.
Cubic Yards:	10	Air Temperature:		85 °F
Total Yardage:	100	Concrete Temperature:		79 °F
Total Time (minutes):	72	Air Content:	ASTM C 231	2.1 %

Specimen Storage ASTM C 31
Field Cure Days: 1
Date Received: 7/13/2016
Condition of Cylinders: Good
Curing Temperatures: 78 °F to 86 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83863	7/19/2016	3.99	12.52	7	44630	3560	2
83864	8/9/2016			28			
83865	8/9/2016			28			
83866	8/9/2016			28			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, July 12, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR, Polymesh Fiber

Placement Location:

Parking deck between Line 1 and 2

Test Cylinder Location:

J.6

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	2 of 6	Number of 4x8 Cylinders:		4
Ticket Number:	289443	Cast By:		Anthony G. Stohlberg
Truck Number:	156	Slump:	ASTM C 143	5.00 in.
Cubic Yards:	10	Air Temperature:		85 °F
Total Yardage:	55	Concrete Temperature:		82 °F
Total Time (minutes):	62	Air Content:	ASTM C 231	4.4 %

Specimen Storage ASTM C 31

Field Cure Days: 1

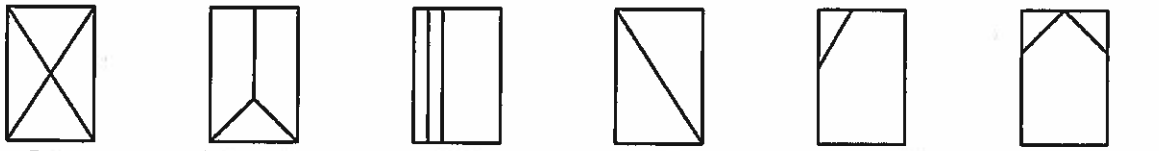
Date Received: 7/13/2016

Condition of Cylinders: Good

Curing Temperatures: 78 °F to 86 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83867	7/19/2016	3.99	12.52	7	54330	4340	3
83868	8/9/2016			28			
83869	8/9/2016			28			
83870	8/9/2016			28			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
August 12, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
83860	28
83861	28
83862	28
83864	28
83865	28
83866	28
83868	28
83869	28
83870	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
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Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, July 12, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

Line K south Slab

Test Cylinder Location:

P/2.5

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	2 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	289417	Cast By:		Anthony G. Stohlberg
Truck Number:	84	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10	Air Temperature:		85 °F
Total Yardage:	100	Concrete Temperature:		79 °F
Total Time (minutes):	72	Air Content:	ASTM C 231	2.5 %

Specimen Storage ASTM C 31

Field Cure Days: 1

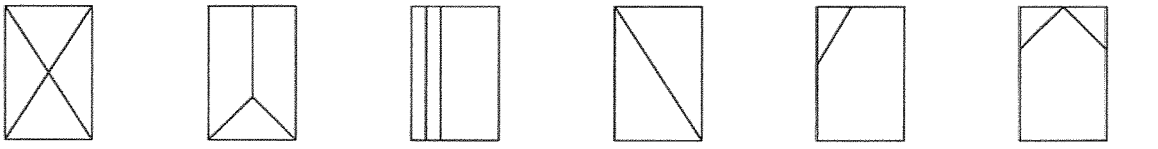
Date Received: 7/13/2016

Condition of Cylinders: Good

Curing Temperatures: 78 °F to 86 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83859	7/19/2016	3.99	12.52	7	43820	3500	2
83860	8/9/2016	3.99	12.52	28	56800	4540	2
83861	8/9/2016	3.99	12.52	28	56295	4500	2
83862	8/9/2016	3.99	12.52	28	57675	4610	2



Remarks:

Checked by: _____

Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, July 12, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

Line K south Slab

Test Cylinder Location:

L/5.5

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	7 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	289425	Cast By:		Anthony G. Stohlberg
Truck Number:	84	Slump:	ASTM C 143	7.00 in.
Cubic Yards:	10	Air Temperature:		85 °F
Total Yardage:	100	Concrete Temperature:		79 °F
Total Time (minutes):	72	Air Content:	ASTM C 231	2.1 %

Specimen Storage ASTM C 31

Field Cure Days: 1

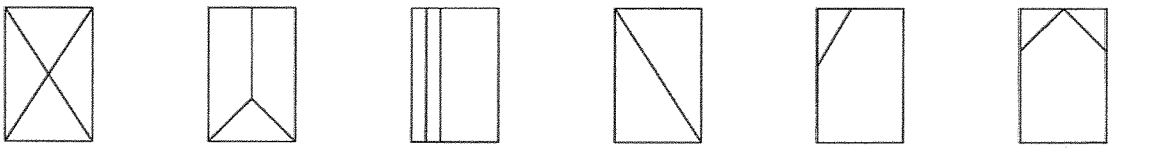
Date Received: 7/13/2016

Condition of Cylinders: Good

Curing Temperatures: 78 °F to 86 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83863	7/19/2016	3.99	12.52	7	44630	3560	2
83864	8/9/2016	3.99	12.52	28	50780	4060	3
83865	8/9/2016	3.99	12.52	28	54745	4370	2
83866	8/9/2016	3.99	12.52	28	51270	4100	5



Remarks:

Checked by: _____

Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, July 12, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR, Polymesh Fiber

Placement Location:

Parking deck between Line 1 and 2

Test Cylinder Location:

J.6

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	2 of 6	Number of 4x8 Cylinders:		4
Ticket Number:	289443	Cast By:		Anthony G. Stohlberg
Truck Number:	156	Slump:	ASTM C 143	5.00 in.
Cubic Yards:	10	Air Temperature:		85 °F
Total Yardage:	55	Concrete Temperature:		82 °F
Total Time (minutes):	62	Air Content:	ASTM C 231	4.4 %

Specimen Storage ASTM C 31

Field Cure Days: 1

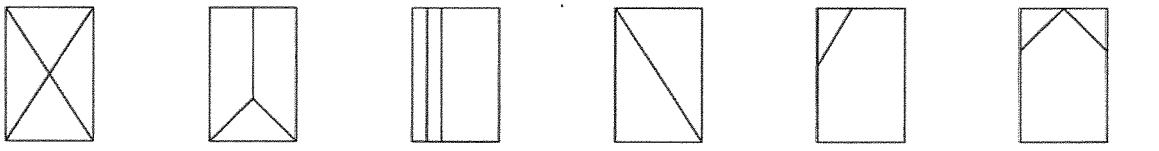
Date Received: 7/13/2016

Condition of Cylinders: Good

Curing Temperatures: 78 °F to 86 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83867	7/19/2016	3.99	12.52	7	54330	4340	3
83868	8/9/2016	3.99	12.52	28	70620	5640	2
83869	8/9/2016	3.99	12.52	28	69255	5530	0
83870	8/9/2016	3.99	12.52	28	69185	5530	3



Remarks:

Checked by: _____

Matthew T. Grady, Manager of MTS

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
July 25, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
83966	7
83970	7

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, July 14, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MasterGlenium 7500, MRWR, Masterset R100

Placement Location:

Line 2-6/D-K, 2nd floor

Test Cylinder Location:

H/5.2

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	1 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	289492	Cast By:		Patrick J. Roma
Truck Number:	98	Slump:	ASTM C 143	5.00 in.
Cubic Yards:	10	Air Temperature:		70 °F
Total Yardage:	100	Concrete Temperature:		78 °F
Total Time (minutes):	74	Air Content:	ASTM C 231	2.0 %

Specimen Storage ASTM C 31

Field Cure Days: 4

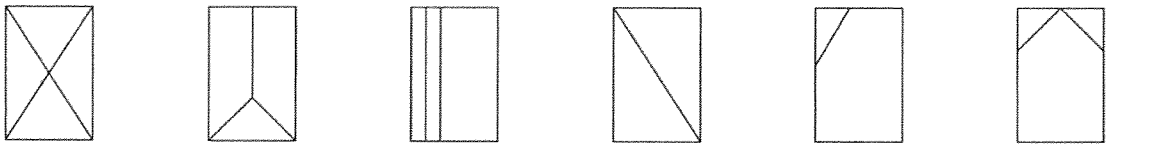
Date Received: 7/18/2016

Condition of Cylinders: Good

Curing Temperatures: 60 °F to 84 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83966	7/21/2016	4.00	12.56	7	41950	3340	3
83967	8/11/2016			28			
83968	8/11/2016			28			
83969	8/11/2016			28			



Remarks:

Checked by: FJ

Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, July 14, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MasterGlenium 7500, MRWR, Masterset R100

Placement Location:

Line 2-6/D-K, 2nd floor

Test Cylinder Location:

F/4

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	6 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	289500	Cast By:		Patrick J. Roma
Truck Number:	98	Slump:	ASTM C 143	5.75 in.
Cubic Yards:	10	Air Temperature:		74 °F
Total Yardage:	100	Concrete Temperature:		78 °F
Total Time (minutes):	96	Air Content:	ASTM C 231	1.6 %

Specimen Storage ASTM C 31

Field Cure Days: 4

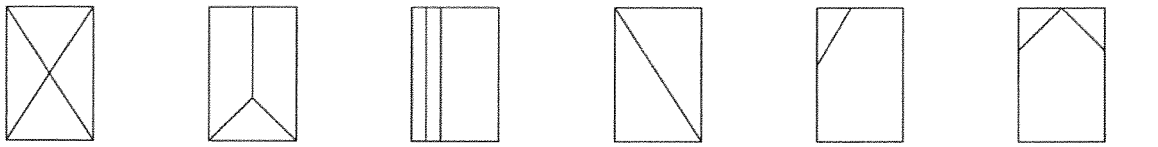
Date Received: 7/18/2016

Condition of Cylinders: Good

Curing Temperatures: 60 °F to 84 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83970	7/21/2016	4.00	12.56	7	42460	3380	3
83971	8/11/2016			28			
83972	8/11/2016			28			
83973	8/11/2016			28			



Remarks:

Checked by: _____

for Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, July 14, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MasterGlenium 7500, MRWR, Masterset R100

Placement Location:

Line 2-6/D-K, 2nd floor

Test Cylinder Location:

H/5.2

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	1 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	289492	Cast By:		Patrick J. Roma
Truck Number:	98	Slump:	ASTM C 143	5.00 in.
Cubic Yards:	10	Air Temperature:		70 °F
Total Yardage:	100	Concrete Temperature:		78 °F
Total Time (minutes):	74	Air Content:	ASTM C 231	2.0 %

Specimen Storage ASTM C 31

Field Cure Days: 4

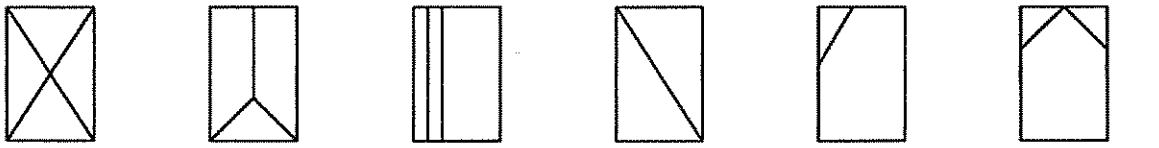
Date Received: 7/18/2016

Condition of Cylinders: Good

Curing Temperatures: 60 °F to 84 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83966	7/21/2016	4.00	12.56	7	41950	3340	3
83967	8/11/2016	3.99	12.48	28	59440	4760	5
83968	8/11/2016	3.99	12.48	28	59185	4740	2
83969	8/11/2016	3.99	12.48	28	56680	4540	5



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES, INC

86 Industrial Park Rd., Suite 4, Saco ME 04072, 207-286-8008 / 200 International Dr., Suite 170, Portsmouth NH 03801, 603-427-0244

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, July 14, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MasterGlenium 7500, MRWR, Masterset R100

Placement Location:
Line 2-6/D-K, 2nd floor

Test Cylinder Location:
F/4

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	6 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	289500	Cast By:		Patrick J. Roma
Truck Number:	98	Slump:	ASTM C 143	5.75 in.
Cubic Yards:	10	Air Temperature:		74 °F
Total Yardage:	100	Concrete Temperature:		78 °F
Total Time (minutes):	96	Air Content:	ASTM C 231	1.6 %

Specimen Storage ASTM C 31
Field Cure Days: 4
Date Received: 7/18/2016
Condition of Cylinders: Good
Curing Temperatures: 60 °F to 84 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83970	7/21/2016	4.00	12.56	7	42460	3380	3
83971	8/11/2016	3.99	12.48	28	52875	4240	1
83972	8/11/2016	3.99	12.48	28	50535	4050	5
83973	8/11/2016	3.99	12.48	28	55595	4460	2

Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
August 16, 2016	1565-001
Attention: Blaine Buck (bbuck@cordjiacpg.com)	
Re: Concrete Testing 667 Congress Street Apartments Project Portland, ME 04101	

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
83967	28
83968	28
83969	28
83971	28
83972	28
83973	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
July 29, 2016	1565-001
Attention: Blaine Buck (bbuck@cordjiacpg.com)	
Re: Concrete Testing 667 Congress Street Apartments Project Portland, ME 04101	

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
84048	7
84052	7

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, July 21, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:
M-R/7-9, M-T/1-2

Test Cylinder Location:
M.3

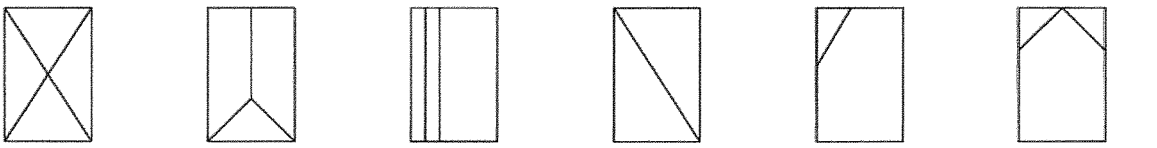
ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	2 of 3	Number of 4x8 Cylinders:		4
Ticket Number:	289892	Cast By:		Anthony G. Stohlberg
Truck Number:	99	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10.75	Air Temperature:		72 °F
Total Yardage:	32	Concrete Temperature:		75 °F
Total Time (minutes):	78	Air Content:	ASTM C 231	1.5 %

Specimen Storage ASTM C 31
Field Cure Days: 1
Date Received: 7/22/2016
Condition of Cylinders: Good

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84048	7/28/2016	3.98	12.47	7	49585	3980	3
84049	8/18/2016			28			
84050	8/18/2016			28			
84051	8/18/2016			28			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES, INC
86 Industrial Park Rd., Suite 4, Saco ME 04072, 207-286-8008 / 200 International Dr., Suite 170, Portsmouth NH 03801, 603-427-0244

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, July 21, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR, MasterAir

Placement Location:
A-K/8-7

Test Cylinder Location:
Line E

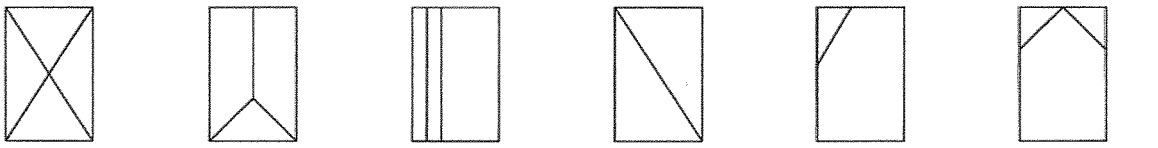
ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	2 of 5	Number of 4x8 Cylinders:		4
Ticket Number:	295757	Cast By:		Anthony G. Stohlberg
Truck Number:	150	Slump:	ASTM C 143	5.00 in.
Cubic Yards:	10	Air Temperature:		79 °F
Total Yardage:	48.5	Concrete Temperature:		83 °F
Total Time (minutes):	58	Air Content:	ASTM C 231	5.0 %

Specimen Storage ASTM C 31
Field Cure Days: 1
Date Received: 7/22/2016
Condition of Cylinders: Good

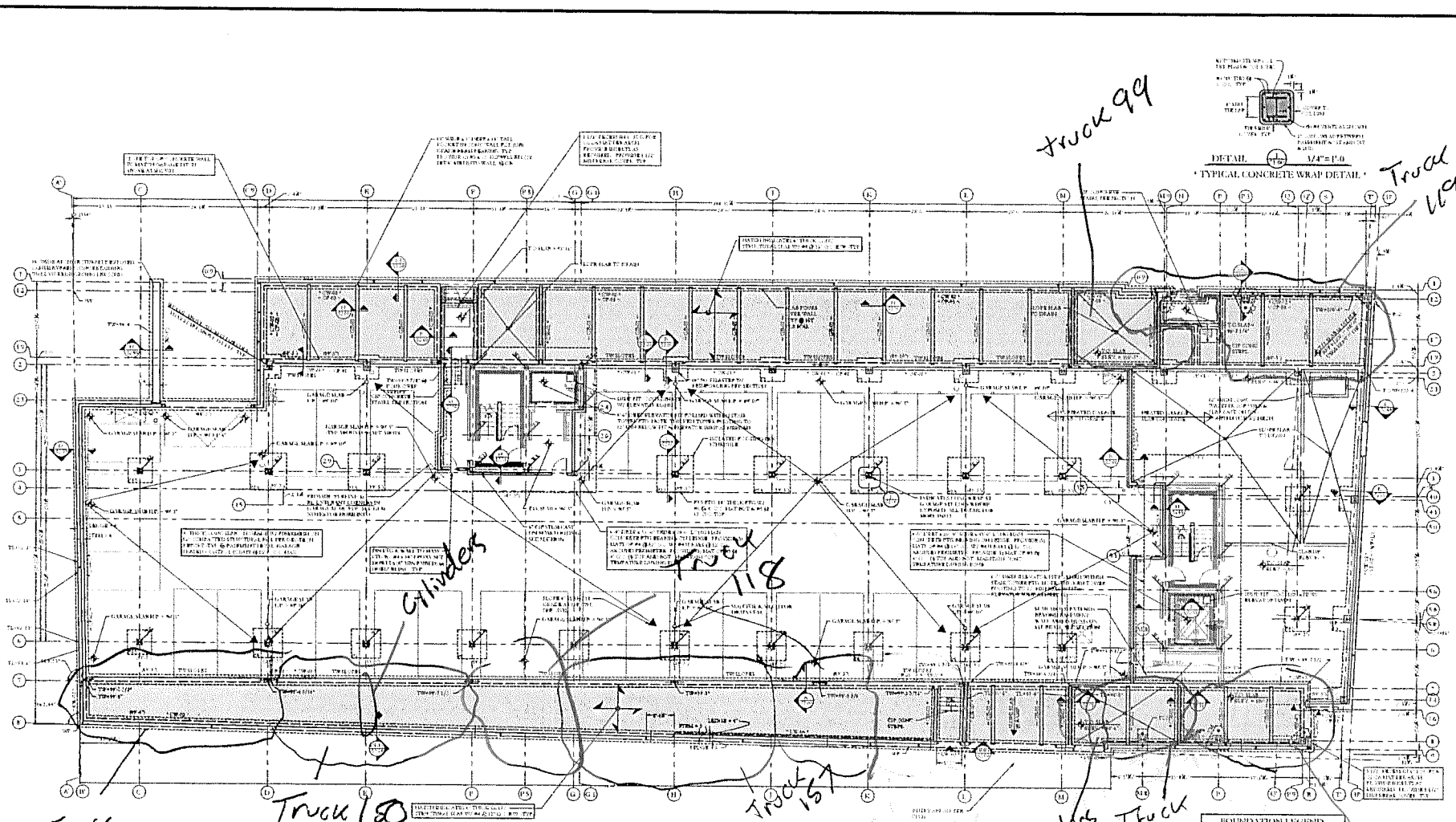
ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84052	7/28/2016	3.98	12.47	7	58425	4690	2
84053	8/18/2016			28			
84054	8/18/2016			28			
84055	8/18/2016			28			



Remarks:

Checked by: _____
for Matthew T. Grady, Manager of MTS



PILE CAP AND GRADE BEAM SCHEDULE

MARK	PLAN DETAIL	SCALE: 1/8"=1'-0"	NOTES

FOUNDATION PLAN

CONCRETE WALL SCHEDU

MARK	SIZE	WALL REINFORCING	

CONCRETE RETAINING SCHEDULE

FOUNDATION LEGEND

Project: 667 Congress Street
Project No.: 1565-001
Date: 7/21/2016
Technologist: Tony Stahlberg

Structural Integrity

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
RYAN SENATORE ARCHITECTURE

DATE: 2 NOVEMBER 2015
PROJECT No.: 1565
DRAWN BY: MRS
CHECKED BY: ACJ
SCALE: AS NOTED

SHEET TITLE: FOUNDATION PLAN

S1.00

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
August 22, 2016	1565-001
Attention: Blaine Buck (bbuck@cordjiacpg.com)	
Re: Concrete Testing 667 Congress Street Apartments Project Portland, ME 04101	

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
84049	28
84050	28
84051	28
84053	28
84054	28
84055	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, July 21, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

M-R/7-9, M-T/1-2

Test Cylinder Location:

M.3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	2 of 3	Number of 4x8 Cylinders:		4
Ticket Number:	289892	Cast By:		Anthony G. Stohlberg
Truck Number:	99	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10.75	Air Temperature:		72 °F
Total Yardage:	32	Concrete Temperature:		75 °F
Total Time (minutes):	78	Air Content:	ASTM C 231	1.5 %

Specimen Storage ASTM C 31

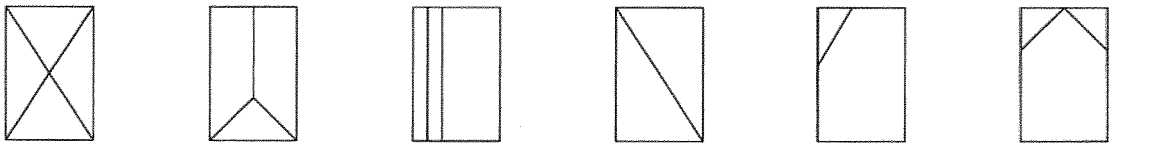
Field Cure Days: 1

Date Received: 7/22/2016

Condition of Cylinders: Good

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84048	7/28/2016	3.98	12.47	7	49585	3980	3
84049	8/18/2016	4.02	12.68	28	62295	4910	6
84050	8/18/2016	4.02	12.68	28	65670	5180	5
84051	8/18/2016	4.02	12.68	28	67765	5340	3



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, July 21, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR, MasterAir

Placement Location:
A-K/8-7

Test Cylinder Location:
Line E

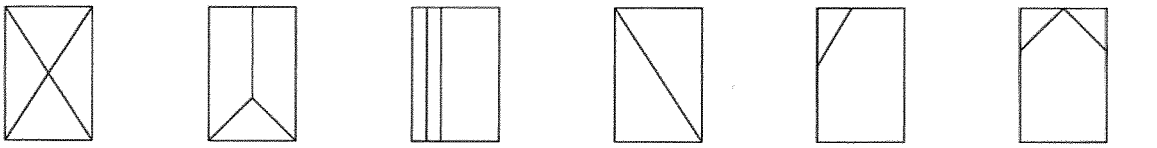
ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	2 of 5	Number of 4x8 Cylinders:		4
Ticket Number:	295757	Cast By:		Anthony G. Stohlberg
Truck Number:	150	Slump:	ASTM C 143	5.00 in.
Cubic Yards:	10	Air Temperature:		79 °F
Total Yardage:	48.5	Concrete Temperature:		83 °F
Total Time (minutes):	58	Air Content:	ASTM C 231	5.0 %

Specimen Storage ASTM C 31
Field Cure Days: 1
Date Received: 7/22/2016
Condition of Cylinders: Good

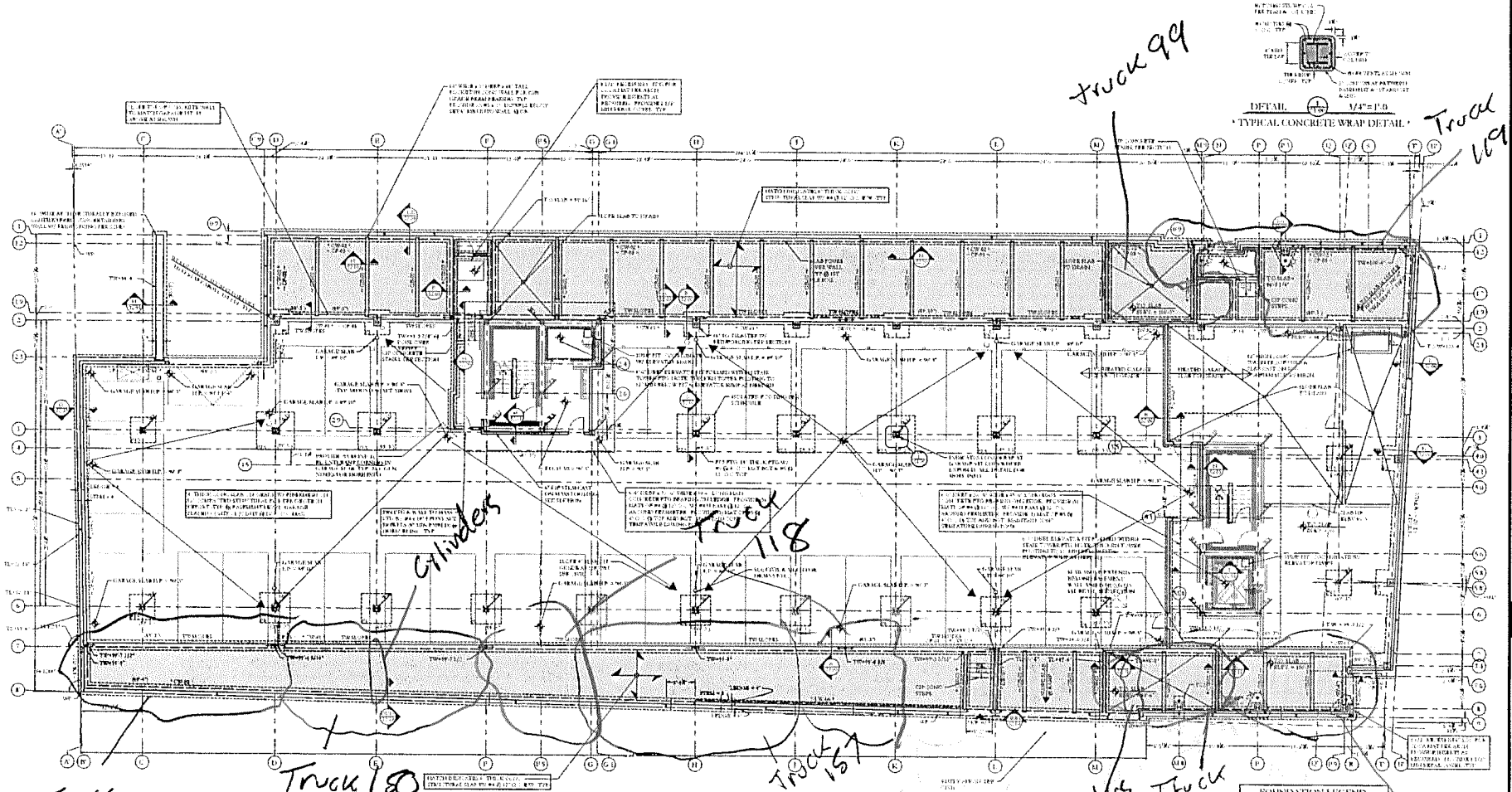
ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84052	7/28/2016	3.98	12.47	7	58425	4690	2
84053	8/18/2016	4.02	12.68	28	70550	5560	5
84054	8/18/2016	4.02	12.68	28	71205	5620	4
84055	8/18/2016	4.02	12.68	28	70355	5550	3



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS



DETAIL 1/4"=1'-0"
TYPICAL CONCRETE WRAP DETAIL

FOUNDATION PLAN

PILE CAP AND GRADE BEAM SCHEDULE

MARK	PLAN DETAIL	SCALE: 1/8"=1'-0"	NOTES

CONCRETE WALL SCHEDULE

MARK	SIZE	WALL REINFORCING

CONCRETE ROOFING SCHEDULE

FOUNDATION LEGEND

Project: 667 Congress Street
Project No.: 1565-001
Date: 7/21/2016
Technologist: Tony Stahlberg

Structural Integrity

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
RYAN SENATORE ARCHITECTURE

CONSULTANTS

REVISIONS

DATE: 3 NOVEMBER 2015
PROJECT No: 1565
DRAWN BY: MRT
CHECKED BY: ACF
SCALE: AS NOTED

SHEET TITLE
FOUNDATION PLAN

S1.00

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
August 8, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
84181	7
84185	7

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Wednesday, July 27, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:
2nd floor slab, J.5-U

Test Cylinder Location:
P/3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	3 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	295920	Cast By:		Anthony G. Stohlberg
Truck Number:	160	Slump:	ASTM C 143	5.50 in.
Cubic Yards:	10	Air Temperature:		78 °F
Total Yardage:	100	Concrete Temperature:		81.9 °F
Total Time (minutes):	97	Air Content:	ASTM C 231	2.3 %

Specimen Storage ASTM C 31
Field Cure Days: 2
Date Received: 7/29/2016
Condition of Cylinders: Good
Curing Temperatures: 72 °F to 86 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84181	8/3/2016	3.99	12.49	7	43990	3520	5
84182	8/24/2016			28			
84183	8/24/2016			28			
84184	8/24/2016			28			

Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Wednesday, July 27, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:
3rd floor slab, J.5-U

Test Cylinder Location:
L/6

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

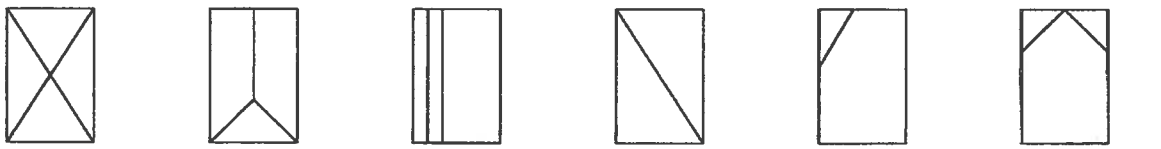
Load Number:	7 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	295932	Cast By:		Anthony G. Stohlberg
Truck Number:	160	Slump:	ASTM C 143	5.50 in.
Cubic Yards:	10	Air Temperature:		85 °F
Total Yardage:	100	Concrete Temperature:		81.5 °F
Total Time (minutes):	88	Air Content:	ASTM C 231	1.6 %

Specimen Storage ASTM C 31

Field Cure Days: 2
Date Received: 7/29/2016
Condition of Cylinders: Good
Curing Temperatures: 72 °F to 86 °F

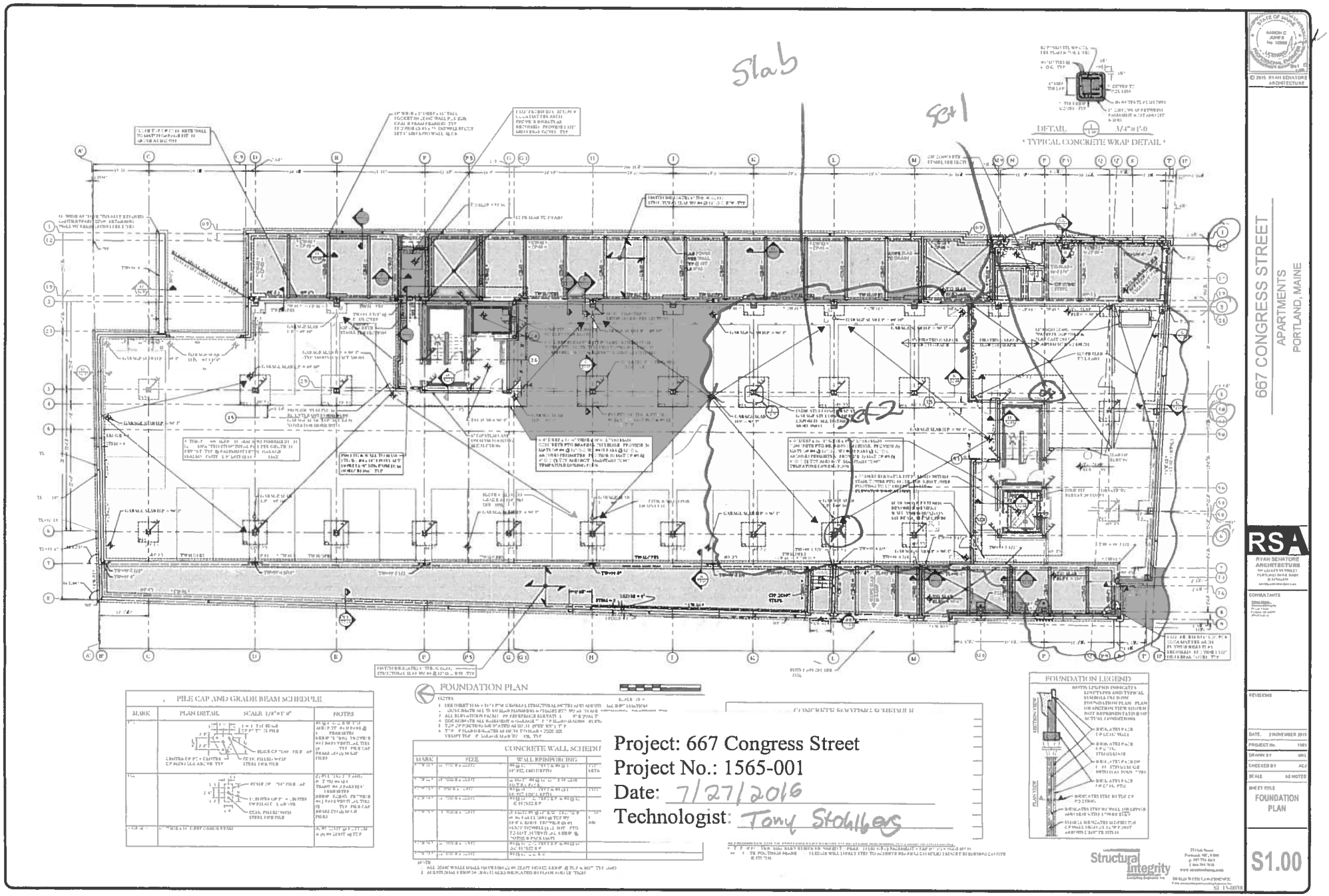
ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84185	8/3/2016	4.03	12.74	7	47560	3730	5
84186	8/24/2016			28			
84187	8/24/2016			28			
84188	8/24/2016			28			



Remarks:

Checked by: _____
For Matthew T. Grady, Manager of MTS


Slab
Set
42
DETAIL
TYPICAL CONCRETE WRAP DETAIL
FOUNDATION PLAN
PILE CAP AND GRADE BEAM SCHEDULE
CONCRETE WALL SCHEDU
FOUNDATION LEGEND
Project: 667 Congress Street
Project No.: 1565-001
Date: 7/27/2016
Technologist: Tony Stoltberg
667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE
RSA
RYAN SENATORE ARCHITECTURE
CONSULTANTS
REVISIONS
DATE 3 NOVEMBER 2015
PROJECT No. 1565
DRAWN BY MRS
CHECKED BY ACJ
SCALE AS NOTED
SHEET TITLE
FOUNDATION PLAN
S1.00
Structural Integrity

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
September 12, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
84182	28
84183	28
84184	28
84186	28
84187	28
84188	28

Remarks:
Correction done to Placement Location.

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Wednesday, July 27, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

3rd floor, south half, line U' to K

Test Cylinder Location:

P/3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	3 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	295920	Cast By:		Anthony G. Stohlberg
Truck Number:	160	Slump:	ASTM C 143	5.50 in.
Cubic Yards:	10	Air Temperature:		78 °F
Total Yardage:	100	Concrete Temperature:		81.9 °F
Total Time (minutes):	97	Air Content:	ASTM C 231	2.3 %

Specimen Storage ASTM C 31

Field Cure Days: 2

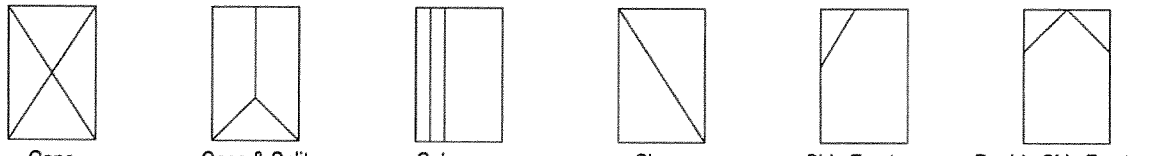
Date Received: 7/29/2016

Condition of Cylinders: Good

Curing Temperatures: 72 °F to 86 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84181	8/3/2016	3.99	12.49	7	43990	3520	5
84182	8/24/2016	4.02	12.69	28	58540	4610	5
84183	8/24/2016	4.02	12.69	28	55200	4350	5
84184	8/24/2016	4.02	12.69	28	58605	4620	5



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Wednesday, July 27, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

3rd floor, south half, line U' to K

Test Cylinder Location:

L/6

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	7 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	295932	Cast By:		Anthony G. Stohlberg
Truck Number:	160	Slump:	ASTM C 143	5.50 in.
Cubic Yards:	10	Air Temperature:		85 °F
Total Yardage:	100	Concrete Temperature:		81.5 °F
Total Time (minutes):	88	Air Content:	ASTM C 231	1.6 %

Specimen Storage ASTM C 31

Field Cure Days: 2

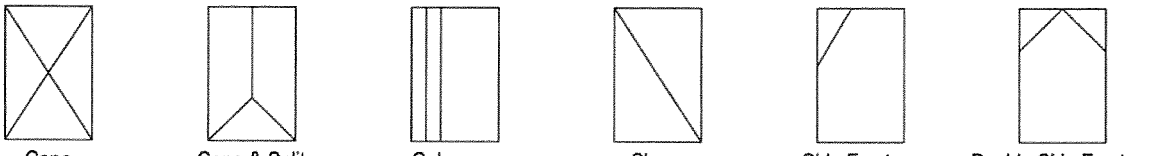
Date Received: 7/29/2016

Condition of Cylinders: Good

Curing Temperatures: 72 °F to 86 °F

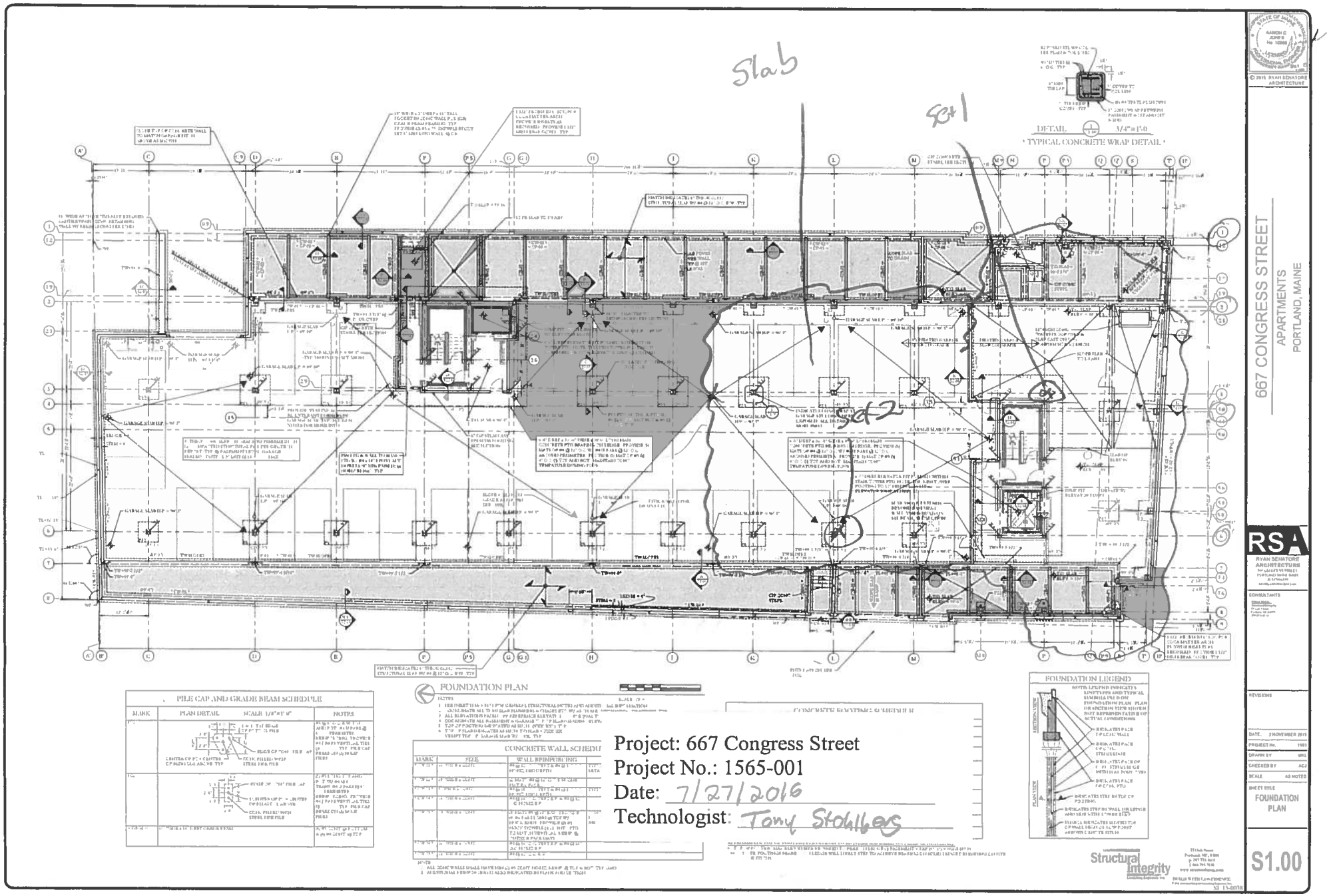
ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84185	8/3/2016	4.03	12.74	7	47560	3730	5
84186	8/24/2016	4.02	12.69	28	55105	4340	5
84187	8/24/2016	4.02	12.69	28	56780	4480	5
84188	8/24/2016	4.02	12.69	28	56140	4430	5



Remarks:

Checked by: Matthew T. Grady, Manager of MTS


Slab
Set
42
DETAIL
TYPICAL CONCRETE WRAP DETAIL
FOUNDATION PLAN
PILE CAP AND GRADE BEAM SCHEDULE
CONCRETE WALL SCHEDU
FOUNDATION LEGEND
Project: 667 Congress Street
Project No.: 1565-001
Date: 7/27/2016
Technologist: Tony Stoltberg
667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE
RSA
RYAN SENATORE ARCHITECTURE
CONSULTANTS
REVISIONS
DATE 3 NOVEMBER 2015
PROJECT No. 1565
DRAWN BY MRS
CHECKED BY ACJ
SCALE AS NOTED
SHEET TITLE
FOUNDATION PLAN
S1.00
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R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
September 1, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
84245	28
84246	28
84249	28
84250	28
84253	28
84254	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, August 02, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

3rd floor slab from D-K

Test Cylinder Location:

J/5.5

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	3 of 11	Number of 4x8 Cylinders:		4
Ticket Number:	282358	Cast By:		Anthony G. Stohlberg
Truck Number:	101	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	11	Air Temperature:		72 °F
Total Yardage:	103	Concrete Temperature:		76.3 °F
Total Time (minutes):	83	Air Content:	ASTM C 231	2.0 %

Specimen Storage ASTM C 31

Field Cure Days: 1

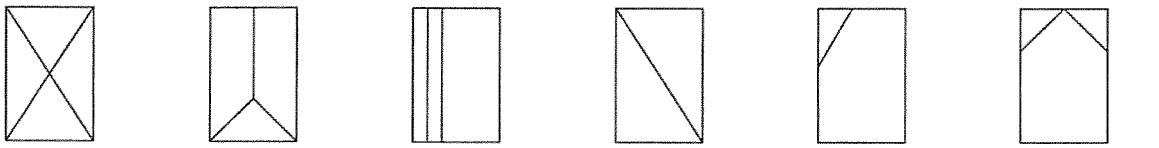
Date Received: 8/3/2016

Condition of Cylinders: Good

Curing Temperatures: 69 °F to 82 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84244	8/9/2016	3.99	12.52	7	46330	3700	3
84245	8/30/2016	4.01	12.62	28	56095	4450	5
84246	8/30/2016	4.01	12.62	28	61785	4900	5
84247	HOLD			H			



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, August 02, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

3rd floor slab from D-K

Test Cylinder Location:

F/5

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	7 of 11	Number of 4x8 Cylinders:	4
Ticket Number:	282367	Cast By:	Anthony G. Stohlberg
Truck Number:	101	Slump: ASTM C 143	6.00 in.
Cubic Yards:	10	Air Temperature:	74 °F
Total Yardage:	103	Concrete Temperature:	78.3 °F
Total Time (minutes):	72	Air Content: ASTM C 231	2.2 %

Specimen Storage ASTM C 31

Field Cure Days: 1

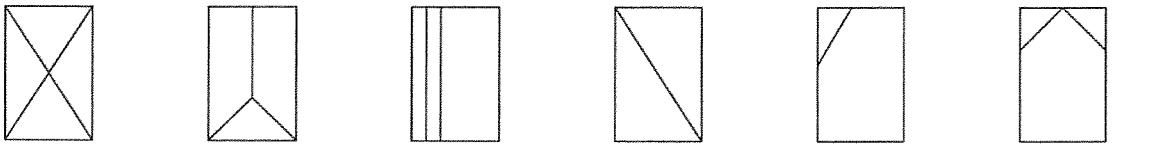
Date Received: 8/3/2016

Condition of Cylinders: Good

Curing Temperatures: 69 °F to 82 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84248	8/9/2016	3.99	12.52	7	44885	3590	2
84249	8/30/2016	4.01	12.62	28	62810	4980	5
84250	8/30/2016	4.01	12.62	28	66460	5270	2
84251	HOLD			H			



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, August 02, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Rear Discharge	**Admixtures:**	MRWR

Placement Location:

Parking garage ramp

Test Cylinder Location:

L.9/7.6

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	1 of 1	Number of 4x8 Cylinders:		4
Ticket Number:	282382	Cast By:		Anthony G. Stohlberg
Truck Number:	83	Slump:	ASTM C 143	6.50 in.
Cubic Yards:	8	Air Temperature:		83 °F
Total Yardage:	8	Concrete Temperature:		81.3 °F
Total Time (minutes):	60	Air Content:	ASTM C 231	4.5 %

Specimen Storage ASTM C 31

Field Cure Days: 1

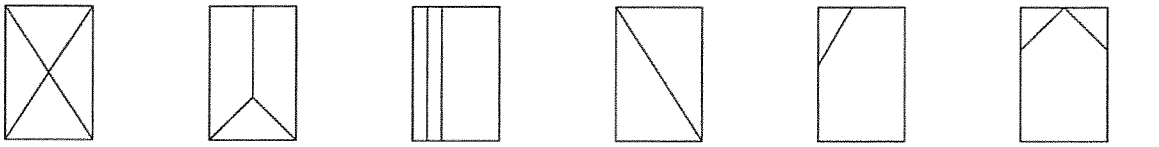
Date Received: 8/3/2016

Condition of Cylinders: Good

Curing Temperatures: 69 °F to 82 °F

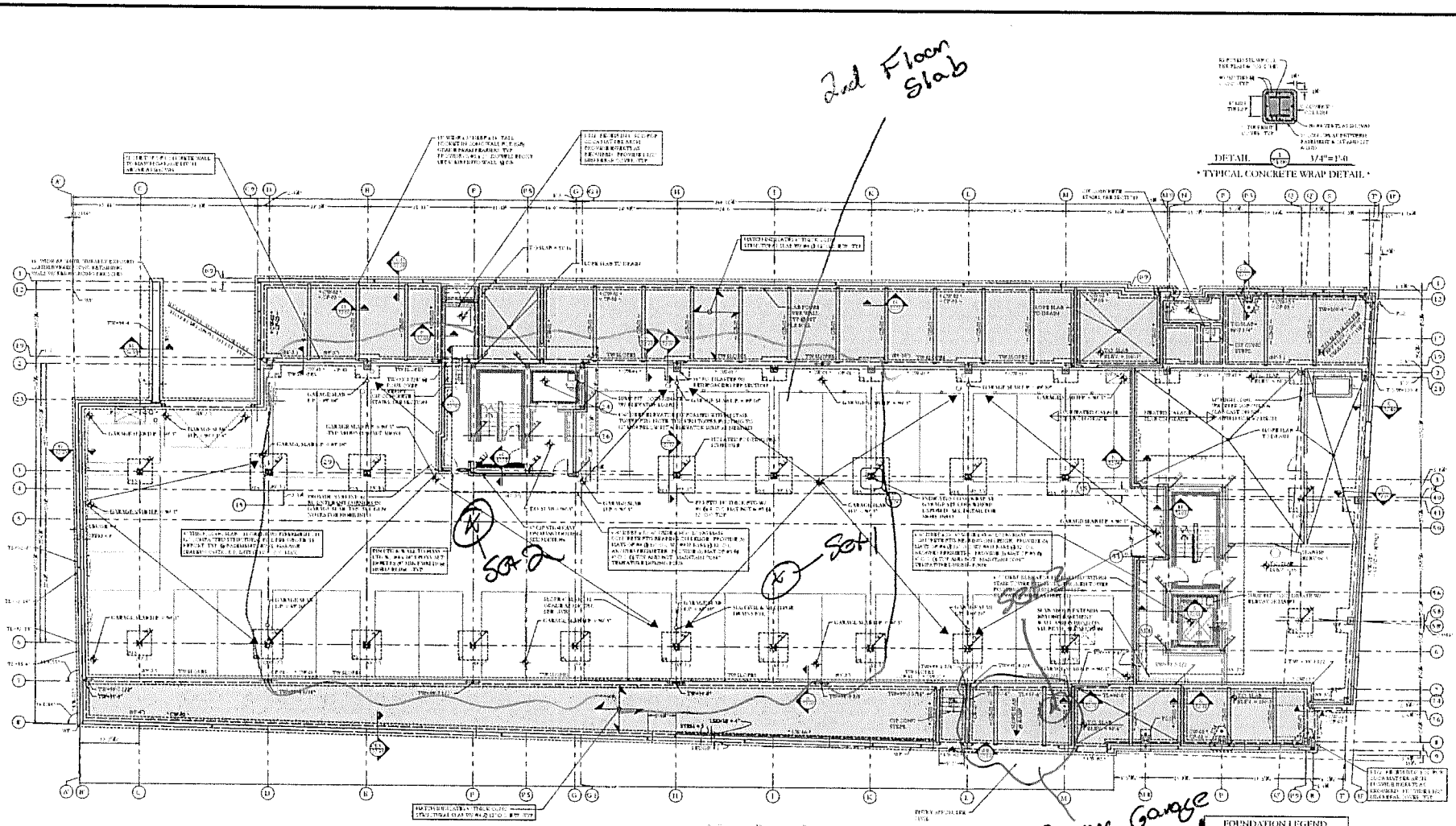
ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84252	8/9/2016	3.99	12.52	7	63420	5070	2
84253	8/30/2016	4.01	12.62	28	61460	4870	5
84254	8/30/2016	4.01	12.62	28	59705	4730	5
84255	HOLD			H			



Remarks:

Checked by: Matthew T. Grady, Manager of MTS



DETAIL 1/4"=1'-0"
* TYPICAL CONCRETE WRAP DETAIL *

FOUNDATION PLAN

PILE CAP AND GRADE BEAM SCHEDULE

MARK	PLAN DETAIL SCALE: 1/4"=1'-0"	NOTES

CONCRETE WALL SCHEDULE

MARK	SIZE	WALL REINFORCING

FOUNDATION LEGEND

Project: 667 Congress Street
Project No.: 1565-001
Date: 8/2/2016
Technologist: Tony Stahlberg

Structural Integrity

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
RYAN SENATORE ARCHITECTURE

CONSULTANTS

REVISIONS

DATE: 2 NOVEMBER 2015
PROJECT No.: 1565
DRAWN BY: MKL
CHECKED BY: ACJ
SCALE: AS NOTED

SHEET TITLE:
FOUNDATION PLAN

S1.00

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
August 15, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
84279	7
84283	7

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Wednesday, August 03, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

3rd floor slab K-U

Test Cylinder Location:

P.3/2.3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	3 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	282399	Cast By:		Anthony G. Stohlberg
Truck Number:	98	Slump:	ASTM C 143	5.00 in.
Cubic Yards:	10	Air Temperature:		80 °F
Total Yardage:	100	Concrete Temperature:	ASTM C1064	81.7 °F
Total Time (minutes):	84	Air Content:	ASTM C 231	2.7 %

Specimen Storage ASTM C 31

Field Cure Days: 1

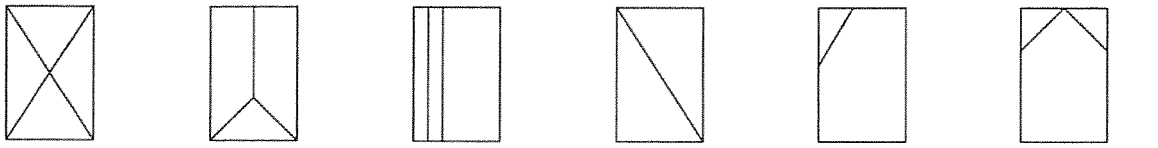
Date Received: 8/4/2016

Condition of Cylinders: Good

Curing Temperatures: 71 °F to 90 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84279	8/10/2016	3.99	12.52	7	39130	3130	2
84280	8/31/2016			28			
84281	8/31/2016			28			
84282	8/31/2016			28			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Wednesday, August 03, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

3rd floor slab K-U

Test Cylinder Location:

M/5.5

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	7 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	282414	Cast By:		Anthony G. Stohlberg
Truck Number:	102	Slump:	ASTM C 143	5.75 in.
Cubic Yards:	10	Air Temperature:		80 °F
Total Yardage:	100	Concrete Temperature:	ASTM C1064	83.5 °F
Total Time (minutes):	78	Air Content:	ASTM C 231	2.0 %

Specimen Storage ASTM C 31

Field Cure Days: 1

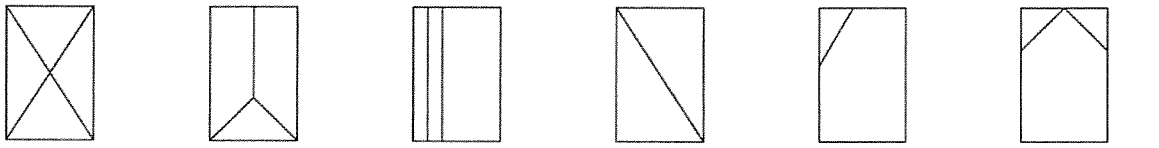
Date Received: 8/4/2016

Condition of Cylinders: Good

Curing Temperatures: 71 °F to 90 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84283	8/10/2016	3.99	12.52	7	36245	2900	3
84284	8/31/2016			28			
84285	8/31/2016			28			
84286	8/31/2016			28			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
September 13, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
84279	6
84280	27
84281	27
84282	27
84283	6
84284	27
84285	27
84286	27

Remarks:
Correction done to Date Cylinders Cast and the Age (days).

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, August 04, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

4th floor, south half, line U' to K

Test Cylinder Location:

P.3/2.3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	3 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	282399	Cast By:		Anthony G. Stohlberg
Truck Number:	98	Slump:	ASTM C 143	5.00 in.
Cubic Yards:	10	Air Temperature:		80 °F
Total Yardage:	100	Concrete Temperature:	ASTM C1064	81.7 °F
Total Time (minutes):	84	Air Content:	ASTM C 231	2.7 %

Specimen Storage ASTM C 31

Field Cure Days: 1

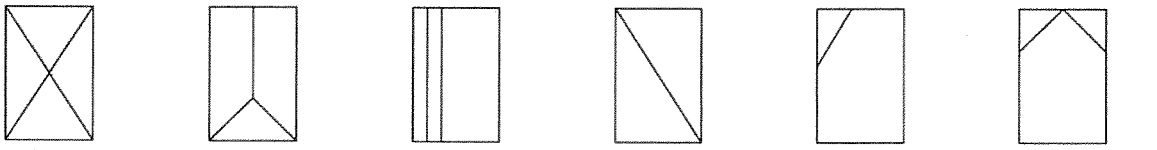
Date Received: 8/5/2016

Condition of Cylinders: Good

Curing Temperatures: 71 °F to 90 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84279	8/10/2016	3.99	12.52	6	39130	3130	2
84280	8/31/2016	4.02	12.67	27	47175	3720	5
84281	8/31/2016	4.02	12.67	27	52160	4120	5
84282	8/31/2016	4.02	12.67	27	50590	3990	3



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, August 04, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

4th floor, south half, line U' to K

Test Cylinder Location:

M/5.5

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	7 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	282414	Cast By:		Anthony G. Stohlberg
Truck Number:	102	Slump:	ASTM C 143	5.75 in.
Cubic Yards:	10	Air Temperature:		80 °F
Total Yardage:	100	Concrete Temperature:	ASTM C1064	83.5 °F
Total Time (minutes):	78	Air Content:	ASTM C 231	2.0 %

Specimen Storage ASTM C 31

Field Cure Days: 1

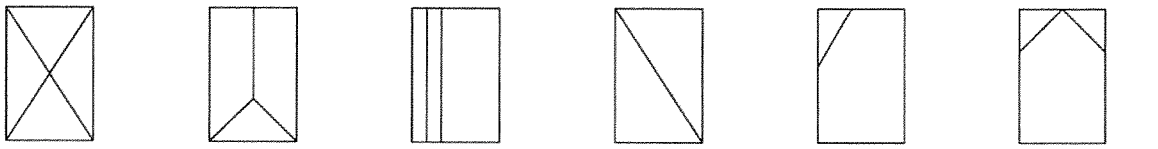
Date Received: 8/5/2016

Condition of Cylinders: Good

Curing Temperatures: 71 °F to 90 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84283	8/10/2016	3.99	12.52	6	36245	2900	3
84284	8/31/2016	4.02	12.67	27	55345	4370	3
84285	8/31/2016	4.02	12.67	27	49265	3890	5
84286	8/31/2016	4.02	12.67	27	47700	3760	5



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
September 8, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
84389	28
84390	28
84391	28
84393	28
84394	28
84395	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Monday, August 08, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:
4th floor slab K-D

Test Cylinder Location:
H.5/3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

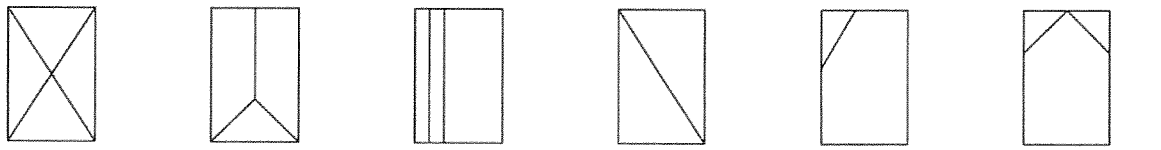
Load Number:	3 of 11	Number of 4x8 Cylinders:		4
Ticket Number:	282457	Cast By:		Anthony G. Stohlberg
Truck Number:	137	Slump:	ASTM C 143	5.50 in.
Cubic Yards:	10	Air Temperature:		80 °F
Total Yardage:	105	Concrete Temperature:	ASTM C1064	78.8 °F
Total Time (minutes):	76	Air Content:	ASTM C 231	2.4 %

Specimen Storage ASTM C 31

Field Cure Days: 1
Date Received: 8/9/2016
Condition of Cylinders: Good
Curing Temperatures: 72 °F to 83 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84388	8/15/2016	3.99	12.47	7	44715	3590	2
84389	9/5/2016	4.01	12.60	28	58070	4610	5
84390	9/5/2016	4.01	12.60	28	59640	4730	5
84391	9/5/2016	4.01	12.60	28	58285	4630	5



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Monday, August 08, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:
4th floor slab K-D

Test Cylinder Location:
E.6/5.8

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

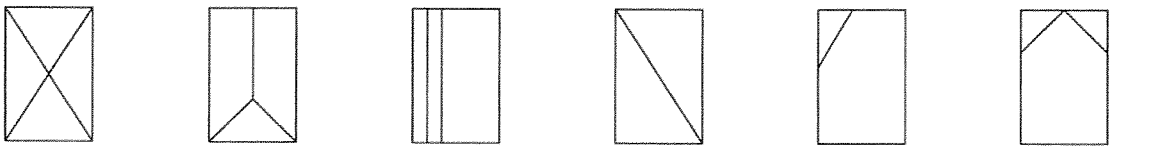
Load Number:	7 of 11	Number of 4x8 Cylinders:		4
Ticket Number:	282463	Cast By:		Anthony G. Stohlberg
Truck Number:	137	Slump:	ASTM C 143	6.50 in.
Cubic Yards:	10	Air Temperature:		85 °F
Total Yardage:	105	Concrete Temperature:	ASTM C1064	77.7 °F
Total Time (minutes):	72	Air Content:	ASTM C 231	2.2 %

Specimen Storage ASTM C 31

Field Cure Days: 1
Date Received: 8/9/2016
Condition of Cylinders: Good
Curing Temperatures: 72 °F to 83 °F

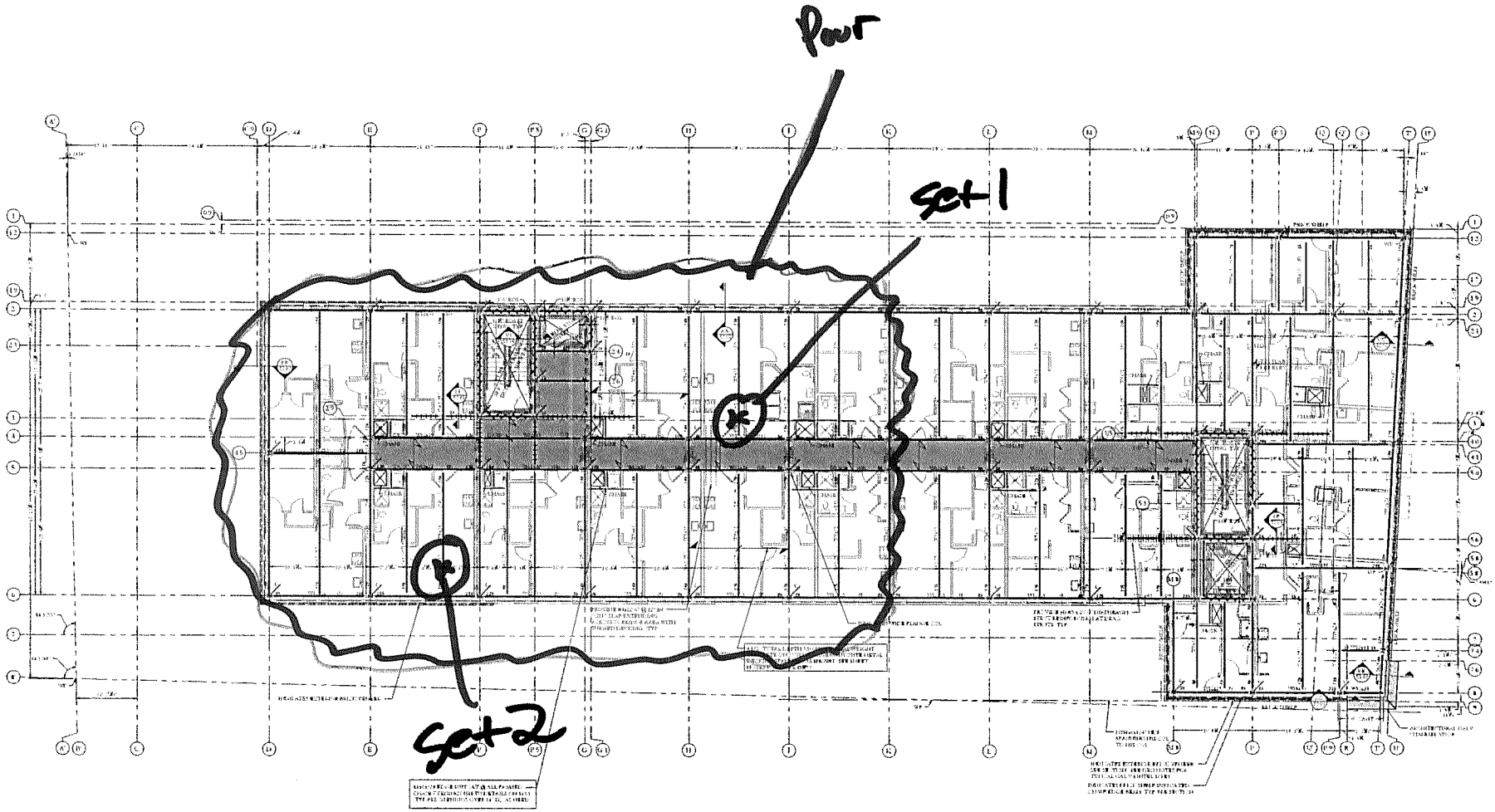
ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84392	8/15/2016	3.99	12.47	7	47080	3770	2
84393	9/5/2016	4.01	12.60	28	63445	5040	5
84394	9/5/2016	4.01	12.60	28	54750	4350	2
84395	9/5/2016	4.01	12.60	28	61100	4850	3



Remarks:

Checked by: _____
Matthew T. Grady, Manager of MTS



3RD FLOOR FRAMING PLAN

FRAMING KEY

Project: 667 Congress Street
Project No.: 1565-001
Date: 8/8/2016
Technologist: Tony Stahlberg

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
RYAN SENIATORE ARCHITECTURE

CONSULTANTS

REVISIONS

DATE: 2 NOVEMBER 2015
PROJECT No.: 1565
DRAWN BY: MKL
CHECKED BY: ACJ
SCALE: AS NOTED

SHEET TITLE
3RD FLOOR FRAMING PLAN

S1.03

Structural Integrity

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
September 8, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
84423	28
84424	28
84427	28
84428	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, August 09, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

5th floor slab K-U

Test Cylinder Location:

P.3/2.3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	3 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	282483	Cast By:		Anthony G. Stohlberg
Truck Number:	157	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10	Air Temperature:		80 °F
Total Yardage:	94	Concrete Temperature:	ASTM C1064	79.5 °F
Total Time (minutes):	69	Air Content:	ASTM C 231	2.2 %

Specimen Storage ASTM C 31

Field Cure Days: 2

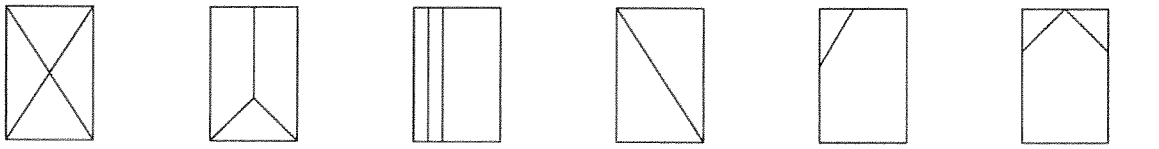
Date Received: 8/11/2016

Condition of Cylinders: Good

Curing Temperatures: 70 °F to 85 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84422	8/16/2016	3.99	12.52	7	49100	3920	3
84423	9/6/2016	4.01	12.60	28	59065	4690	5
84424	9/6/2016	4.01	12.60	28	59115	4690	5
84425	HOLD			H			



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, August 09, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:
5th floor slab K-U

Test Cylinder Location:
M.2/5.5

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

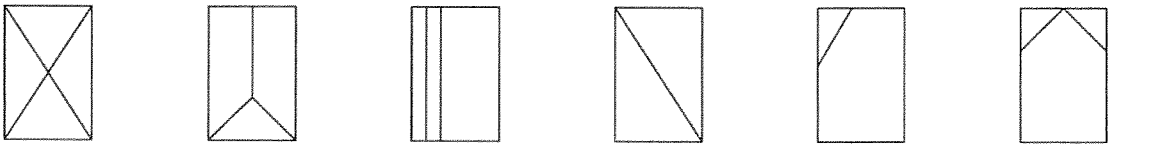
Load Number:	7 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	282489	Cast By:		Anthony G. Stohlberg
Truck Number:	157	Slump:	ASTM C 143	6.50 in.
Cubic Yards:	10	Air Temperature:		80 °F
Total Yardage:	94	Concrete Temperature:	ASTM C1064	78.8 °F
Total Time (minutes):	59	Air Content:	ASTM C 231	2.1 %

Specimen Storage ASTM C 31

Field Cure Days: 2
Date Received: 8/11/2016
Condition of Cylinders: Good
Curing Temperatures: 70 °F to 85 °F

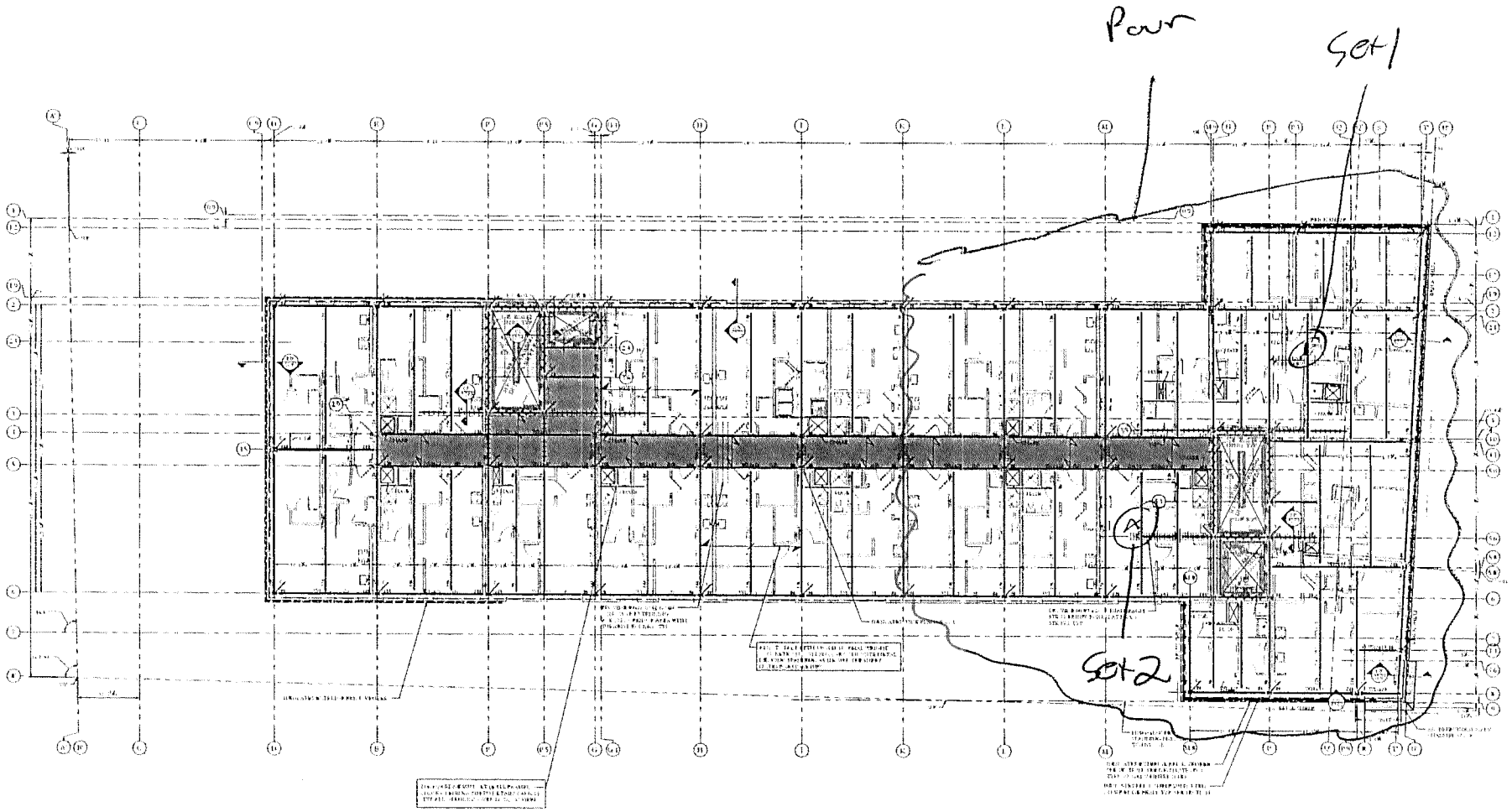
ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84426	8/16/2016	3.99	12.52	7	43965	3510	6
84427	9/6/2016	4.01	12.60	28	55565	4410	4
84428	9/6/2016	4.01	12.60	28	55895	4440	4
84429	HOLD			H			



Remarks:

Checked by: Matthew T. Grady, Manager of MTS



3RD FLOOR FRAMING PLAN

FRAMING KEY

Project: 667 Congress Street
Project No.: 1565-001
Date: 8/9/2016
Technologist: Tony Stohlberg

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
RYAN SENATORE ARCHITECTURE

CONSULTANTS

REVISIONS

DATE: 2 NOVEMBER 2015
PROJECT No.: 1565
DRAWN BY: MKS
CHECKED BY: ACS
SCALE: AS NOTED

SHEET TITLE
3RD FLOOR FRAMING PLAN

S1.03

Structural Integrity

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
August 22, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
84512	7
84516	7

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, August 11, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	Master Clenium 7500 MRWR

Placement Location:

Floor slab on deck

Test Cylinder Location:

F.5 / 5.5

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	1 of 10	Number of 4x8 Cylinders:		8
Ticket Number:	290600	Cast By:		Patrick J. Roma
Truck Number:	156	Slump:	ASTM C 143	5.50 in.
Cubic Yards:	10	Air Temperature:		70 °F
Total Yardage:	100	Concrete Temperature:	ASTM C1064	74 °F
Total Time (minutes):	63	Air Content:	ASTM C 231	2.0 %

Specimen Storage ASTM C 31

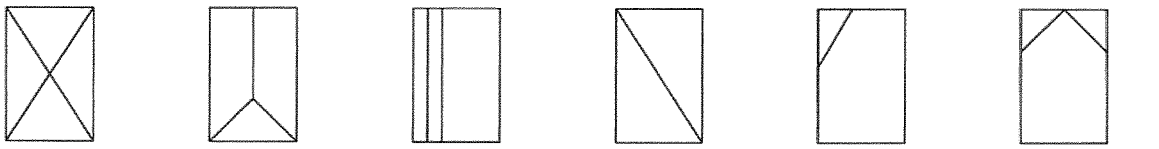
Field Cure Days: 1

Date Received: 8/12/2016

Condition of Cylinders: Good

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84512	8/18/2016	4.02	12.68	7	54485	4300	3
84513	9/8/2016			28			
84514	9/8/2016			28			
84515	9/8/2016			28			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, August 11, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	Master Clenium 7500 MRWR

Placement Location:

Fifth Floor Slab on Deck

Test Cylinder Location:

K/2.3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	6 of 10	Number of 4x8 Cylinders:		8
Ticket Number:	290612	Cast By:		Patrick J. Roma
Truck Number:	144	Slump:	ASTM C 143	6.50 in.
Cubic Yards:	10	Air Temperature:		74 °F
Total Yardage:	100	Concrete Temperature:	ASTM C1064	82 °F
Total Time (minutes):	80	Air Content:	ASTM C 231	2.1 %

Specimen Storage ASTM C 31

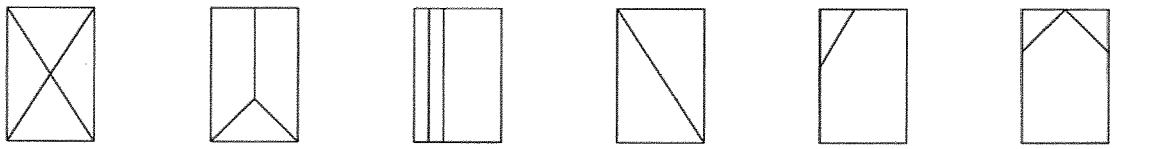
Field Cure Days: 1

Date Received: 8/12/2016

Condition of Cylinders: Good

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84516	8/18/2016	4.02	12.68	7	42605	3360	5
84517	9/8/2016			28			
84518	9/8/2016			28			
84519	9/8/2016			28			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
September 13, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
84513	28
84514	28
84515	28
84517	28
84518	28
84519	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, August 11, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	Master Clenium 7500 MRWR

Placement Location:

Floor slab on deck

Test Cylinder Location:

F.5 / 5.5

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	1 of 10	Number of 4x8 Cylinders:		8
Ticket Number:	290600	Cast By:		Patrick J. Roma
Truck Number:	156	Slump:	ASTM C 143	5.50 in.
Cubic Yards:	10	Air Temperature:		70 °F
Total Yardage:	100	Concrete Temperature:	ASTM C1064	74 °F
Total Time (minutes):	63	Air Content:	ASTM C 231	2.0 %

Specimen Storage ASTM C 31

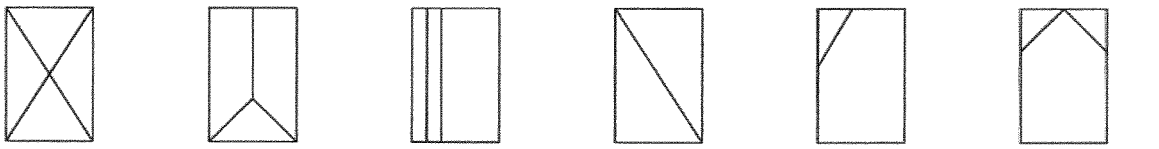
Field Cure Days: 1

Date Received: 8/12/2016

Condition of Cylinders: Good

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84512	8/18/2016	4.02	12.68	7	54485	4300	3
84513	9/8/2016	4.01	12.61	28	60400	4790	5
84514	9/8/2016	4.01	12.61	28	63885	5070	5
84515	9/8/2016	4.01	12.61	28	65875	5220	3



Remarks:

Checked by: _____

Matthew T. Grady, Manager of MTS

For

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, August 11, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	Master Clenium 7500 MRWR

Placement Location:

Fifth Floor Slab on Deck

Test Cylinder Location:

K/2.3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	6 of 10	Number of 4x8 Cylinders:		8
Ticket Number:	290612	Cast By:		Patrick J. Roma
Truck Number:	144	Slump:	ASTM C 143	6.50 in.
Cubic Yards:	10	Air Temperature:		74 °F
Total Yardage:	100	Concrete Temperature:	ASTM C1064	82 °F
Total Time (minutes):	80	Air Content:	ASTM C 231	2.1 %

Specimen Storage ASTM C 31

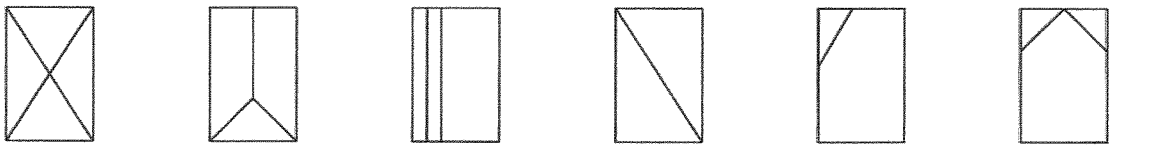
Field Cure Days: 1

Date Received: 8/12/2016

Condition of Cylinders: Good

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84516	8/18/2016	4.02	12.68	7	42605	3360	5
84517	9/8/2016	4.01	12.61	28	53420	4240	5
84518	9/8/2016	4.01	12.61	28	51035	4050	3
84519	9/8/2016	4.01	12.61	28	45735	3630	3



Remarks:

Checked by: _____

For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES, INC

86 Industrial Park Rd., Suite 4, Saco ME 04072, 207-286-8008 / 177 Shattuck Way, Suite 1 West, Newington, NH 03801, 603-427-0244

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
September 16, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
84617	28
84618	28
84619	28
84621	28
84622	28
84623	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, August 18, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Overcast	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Buggy	**Admixtures:**	Polymesh, MRWR

Placement Location:
Basement Stair Slab

Test Cylinder Location:
S/3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

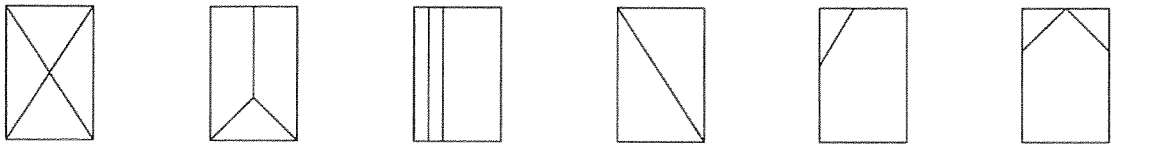
Load Number:	2 of 4	Number of 4x8 Cylinders:		4
Ticket Number:	294517	Cast By:		Anthony G. Stohlberg
Truck Number:	102	Slump:	ASTM C 143	6.50 in.
Cubic Yards:	9.5	Air Temperature:		68 °F
Total Yardage:	38	Concrete Temperature:	ASTM C1064	77 °F
Total Time (minutes):	82	Air Content:	ASTM C 231	2.8 %

Specimen Storage ASTM C 31

Field Cure Days: 1
Date Received: 8/19/2016
Condition of Cylinders: Good
Curing Temperatures: 71 °F to 89 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84616	8/25/2016	4.00	12.57	7	46085	3670	3
84617	9/15/2016	4.02	12.71	28	54515	4290	5
84618	9/15/2016	4.02	12.71	28	54575	4290	5
84619	9/15/2016	4.02	12.71	28	55330	4350	5



Remarks:

Checked by: for Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, August 18, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Buggy	**Admixtures:**	Polymesh, MRWR, Masterset CI 3

Placement Location:

1st Third of Basement Parking Garage

Test Cylinder Location:

L/4

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	3 of 6	Number of 4x8 Cylinders:		4
Ticket Number:	294531	Cast By:		Anthony G. Stohlberg
Truck Number:	119	Slump:	ASTM C 143	7.00 in.
Cubic Yards:	10	Air Temperature:		75 °F
Total Yardage:	38	Concrete Temperature:	ASTM C1064	82.1 °F
Total Time (minutes):	65	Air Content:	ASTM C 231	7.5 %

Specimen Storage ASTM C 31

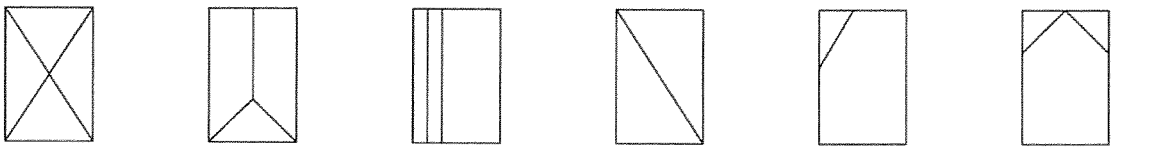
Field Cure Days: 1

Date Received: 8/19/2016

Condition of Cylinders: Good

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

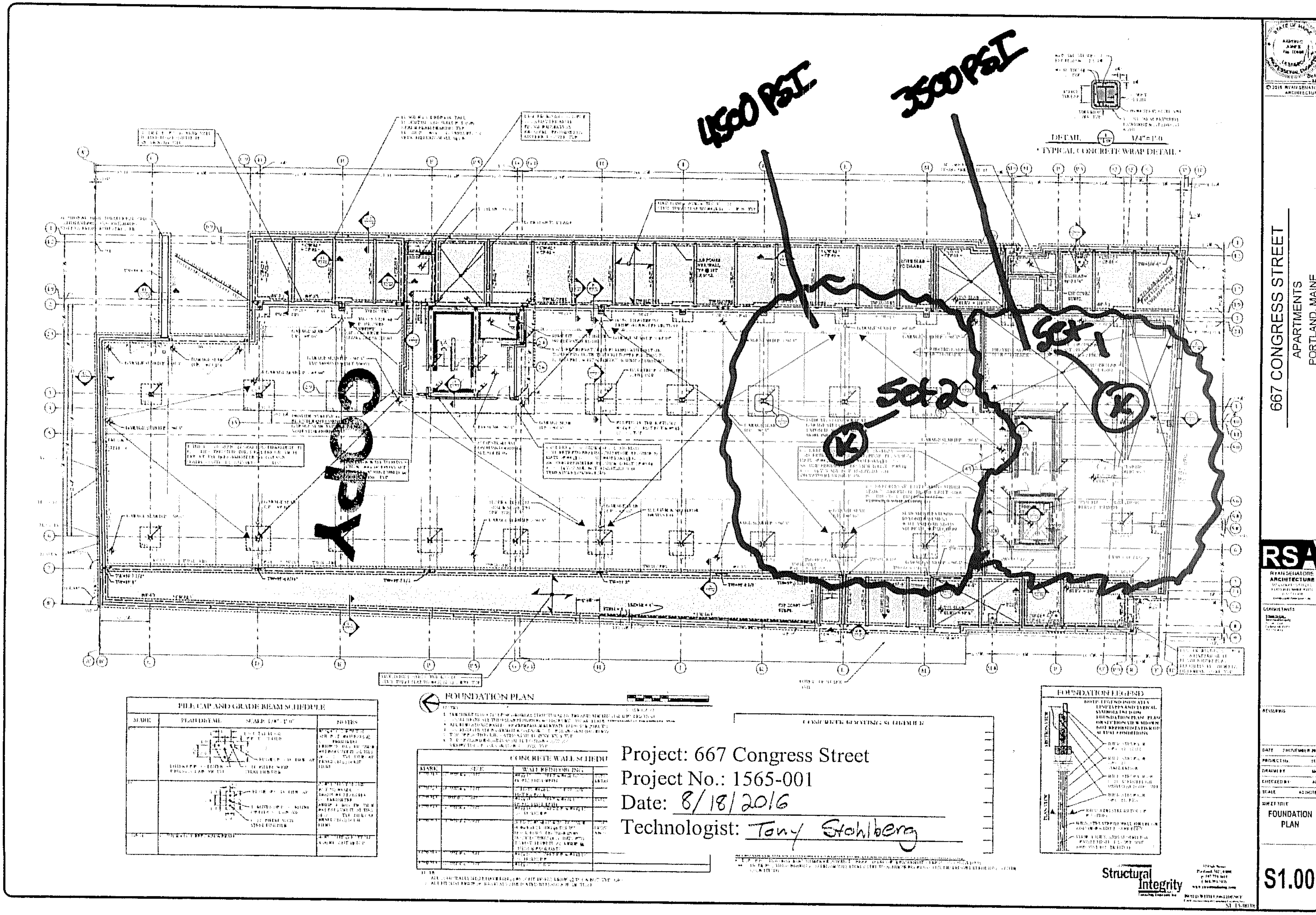
Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84620	8/25/2016	4.00	12.57	7	55280	4400	2
84621	9/15/2016	4.02	12.71	28	60865	4790	6
84622	9/15/2016	4.02	12.71	28	60910	4790	4
84623	9/15/2016	4.02	12.71	28	63155	4970	4



Remarks:

Checked by: _____

For Matthew T. Grady, Manager of MTS



Project: 667 Congress Street
Project No.: 1565-001
Date: 8/18/2016
Technologist: Tony Stohlberg

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
September 23, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
84661	28
84662	28
84665	28
84666	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Wednesday, August 24, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Rear and Buggy	**Admixtures:**	MasterAir AE200 Masterset R100 MRWR, Masterlife CI 3 and polymesh

Placement Location:

Basement SOG K-J to G/2 to 7 and G to F-E/3 to 7

Test Cylinder Location:

J/5.6

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	2 of 9	Number of 4x8 Cylinders:		4
Ticket Number:	294710	Cast By:		Mary E. Sanders
Truck Number:	98	Slump:	ASTM C 143	7.50 in.
Cubic Yards:	10	Air Temperature:		70 °F
Total Yardage:	87	Concrete Temperature:	ASTM C1064	80 °F
Total Time (minutes):	70	Air Content:	ASTM C 231	7.5 %

Specimen Storage ASTM C 31

Field Cure Days: 2

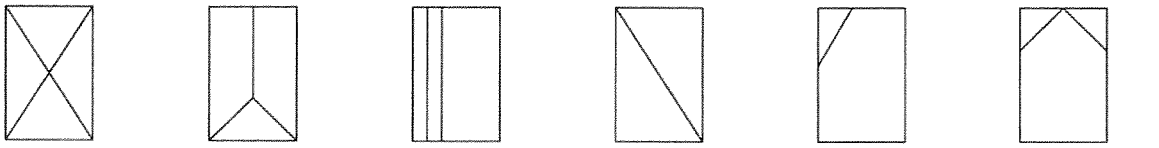
Date Received: 8/26/2016

Condition of Cylinders: Good

Curing Temperatures: 70 °F to 88 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84660	8/31/2016	4.02	12.67	7	52175	4120	5
84661	9/21/2016	4.01	12.62	28	65260	5170	2
84662	9/21/2016	4.01	12.62	28	68635	5440	5
84663	HOLD			H			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name: 667 Congress St. Apartments Project
Project No: 1565-001
Client: Cordjia Capital Projects Group
Weather Conditions: Sunny
Placement Method: Rear and Buggy

Date Cylinders Cast: Wednesday, August 24, 2016
Concrete Supplier: Auburn Concrete
Design Strength: 4500 psi
Max. Aggregate Size: 3/4 inch
Admixtures: MasterAir AE200 Masterset R100 MRWR, Masterlife CI 3 and polymesh

Placement Location:
Basement SOG K-J to G/2 to 7 and G to F-E/3 to 7

Test Cylinder Location:
G-F.5/5

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

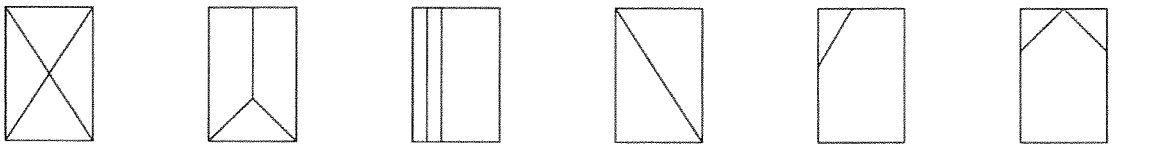
Load Number:	6 of 9	Number of 4x8 Cylinders:		4
Ticket Number:	294716	Cast By:		Mary E. Sanders
Truck Number:	101	Slump:	ASTM C 143	7.00 in.
Cubic Yards:	10	Air Temperature:		73 °F
Total Yardage:	87	Concrete Temperature:	ASTM C1064	80 °F
Total Time (minutes):	70	Air Content:	ASTM C 231	7.0 %

Specimen Storage ASTM C 31

Field Cure Days: 2
Date Received: 8/26/2016
Condition of Cylinders: Good
Curing Temperatures: 70 °F to 88 °F

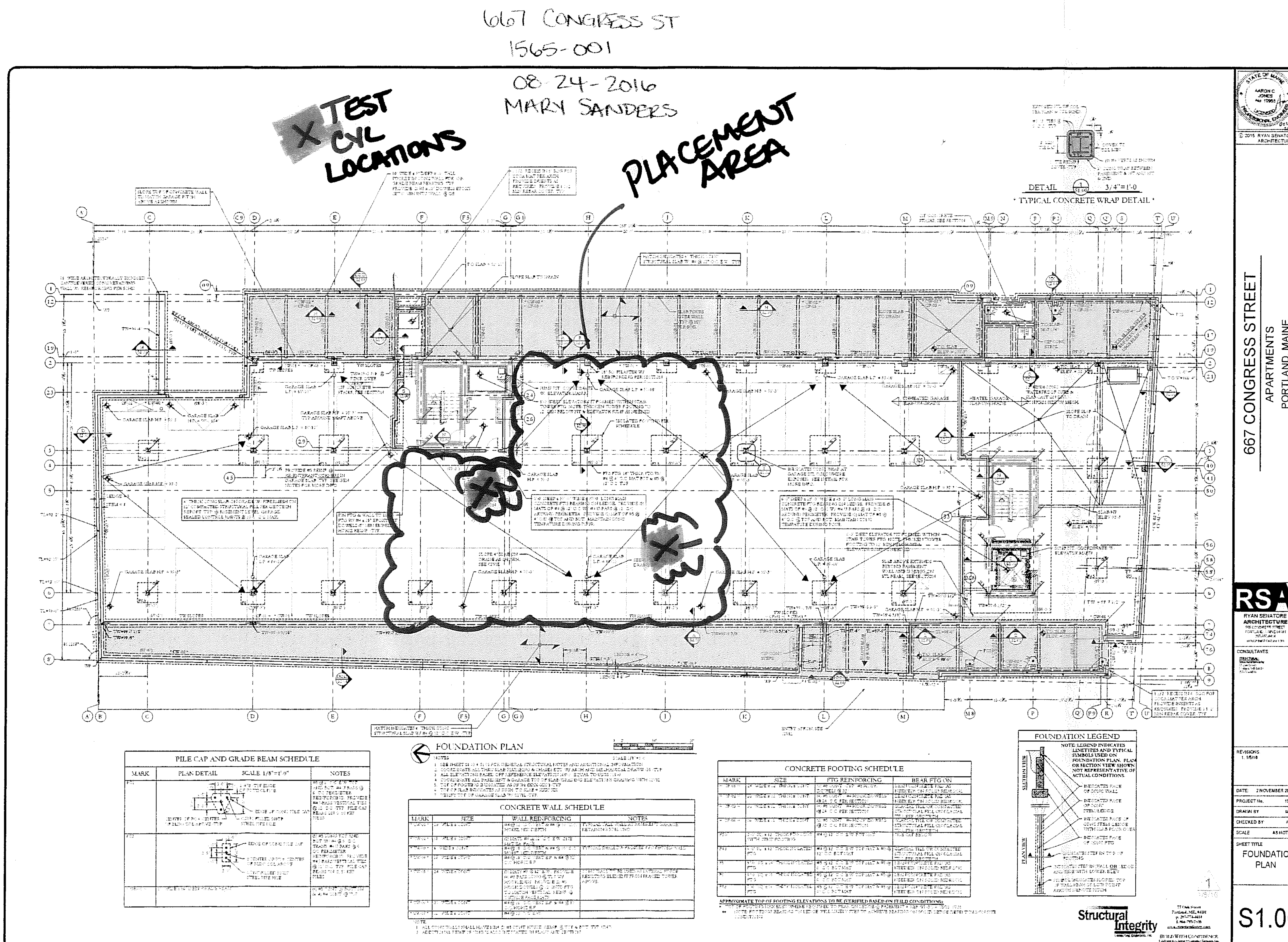
ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84664	8/31/2016	4.02	12.67	7	53325	4210	5
84665	9/21/2016	4.01	12.62	28	69180	5480	2
84666	9/21/2016	4.01	12.62	28	70700	5600	2
84667	HOLD			H			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS


667 CONGRESS ST
1565-001
08-24-2016
MARY SANDERS
X TEST CYL LOCATIONS
PLACEMENT AREA
TYPICAL CONCRETE WRAP DETAIL
FOUNDATION PLAN
PILE CAP AND GRADE BEAM SCHEDULE
CONCRETE WALL SCHEDULE
CONCRETE FOOTING SCHEDULE
FOUNDATION LEGEND
Structural Integrity
667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE
RSA
RYAN SENATORE ARCHITECTURE
FOUNDATION PLAN
S1.00

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
September 29, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
84779	28
84780	28
84783	28
84784	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Friday, August 26, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Partly cloudy	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	Master Glenium 7500

Placement Location:

6th floor slab on deck. T to M.8 / 1.2 to 8 & M.8 to K/2 to 6

Test Cylinder Location:

Q/2.1-3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	3 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	291189	Cast By:		Mary E. Sanders
Truck Number:	84	Slump:	ASTM C 143	5.00 in.
Cubic Yards:	10	Air Temperature:		76 °F
Total Yardage:	96	Concrete Temperature:	ASTM C1064	78 °F
Total Time (minutes):	82	Air Content:	ASTM C 231	2.6 %

Specimen Storage ASTM C 31

Field Cure Days: 4

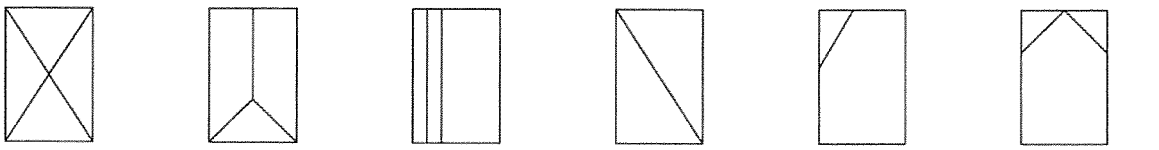
Date Received: 8/30/2016

Condition of Cylinders: Good

Curing Temperatures: 75 °F to 90 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84778	9/2/2016	4.00	12.57	7	44890	3570	5
84779	9/23/2016	4.02	12.68	28	64990	5130	3
84780	9/23/2016	4.02	12.68	28	53745	4240	3
84781	HOLD			H			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Friday, August 26, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Partly cloudy	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	Master Glenium 7500

Placement Location:

6th floor slab on deck. T to M.8 / 1.2 to 8 & M.8 to K/2 to 6

Test Cylinder Location:

M-L 5.6

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	7 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	291193	Cast By:		Mary E. Sanders
Truck Number:	99	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10	Air Temperature:		78 °F
Total Yardage:	96	Concrete Temperature:	ASTM C1064	80 °F
Total Time (minutes):	104	Air Content:	ASTM C 231	2.1 %

Specimen Storage ASTM C 31

Field Cure Days: 4

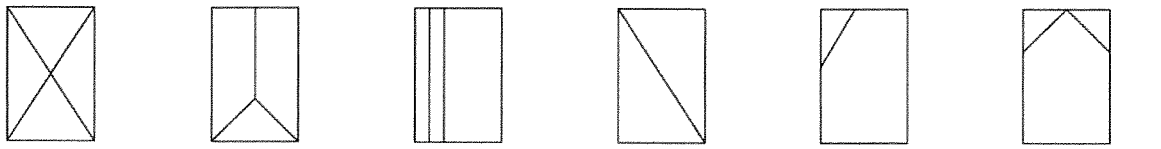
Date Received: 8/30/2016

Condition of Cylinders: Good

Curing Temperatures: 75 °F to 90 °F

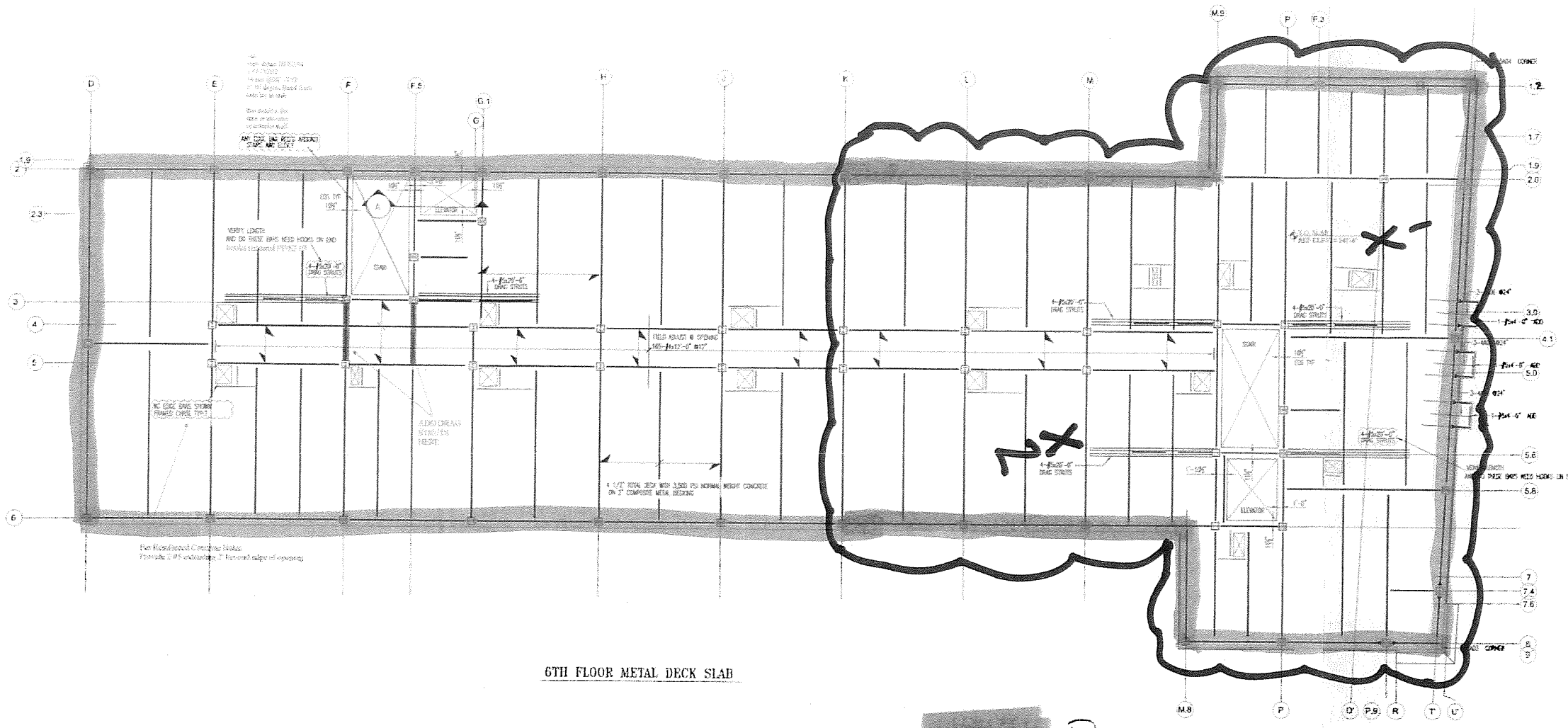
ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84782	9/2/2016	4.00	12.57	7	38545	3070	4
84783	9/23/2016	4.02	12.68	28	53305	4200	5
84784	9/23/2016	4.02	12.68	28	57750	4550	5
84785	HOLD			H			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS



6TH FLOOR METAL DECK SLAB

▨ REBAR INSP.

CONCRETE PLACEMENT AREA

X TEST CYL LOCATIONS

1565-001
667 CONGRESS ST.
10/26/16
MES

TYPICAL SLAB EDGE DETAIL

SECTION A

No.	Description	Date	By
	E-MAIL FOR APPROVAL	1/20/2016	CAB

Revisions and Issue Record

The full intent and purpose of this drawing is the placing of reinforcing steel bars ONLY. It is NOT to be used as a means of communication between the Architect, Engineer, Contractor or any other Sub-trades.

THIS DRAWING IS NOT TO BE SCALED.

DETAILED AT:
SCARBOROUGH
MAINE

Project: 667 CONGRESS STREET

Drawing: METAL DECK 6TH FLOOR

Customer: NS GILES FOUNDATION

Engineer:

Refer to Release:

Date	Drawn	Chkd.	JOB No.	Dwg. No.
1/20/2016	CAB		33505863	MD06

S:\CELESTE 2016\33505863- 667 Congress Street\Placing Drawings\DWGs\MD06.dwg

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
September 29, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
84811	28
84812	28
84815	28
84816	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, August 30, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Rear & Pump	**Admixtures:**	MRWR

Placement Location:

Slab On Deck: Level 6: K-D/2-6

Test Cylinder Location:

J-H/3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	3 of 11	Number of 4x8 Cylinders:		4
Ticket Number:	294921	Cast By:		Mary E. Sanders
Truck Number:	102	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10	Air Temperature:		65 °F
Total Yardage:	109	Concrete Temperature:	ASTM C1064	73 °F
Total Time (minutes):	53	Air Content:	ASTM C 231	2.2 %

Specimen Storage ASTM C 31

Field Cure Days: 1

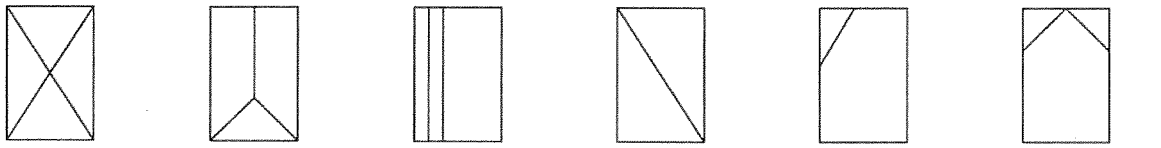
Date Received: 8/31/2016

Condition of Cylinders: Good

Curing Temperatures: 66 °F to 83 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84810	9/6/2016	4.01	12.60	7	50160	3980	3
84811	9/27/2016	4.01	12.60	28	64070	5080	2
84812	9/27/2016	4.01	12.60	28	65235	5180	5
84813	HOLD			H			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, August 30, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Rear & Pump	**Admixtures:**	MRWR

Placement Location:

Slab On Deck: Level 6: K-D/2-6

Test Cylinder Location:

F-E/5-6

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	7 of 11	Number of 4x8 Cylinders:		4
Ticket Number:	294932	Cast By:		Mary E. Sanders
Truck Number:	136	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10	Air Temperature:		73 °F
Total Yardage:	109	Concrete Temperature:	ASTM C1064	75 °F
Total Time (minutes):	65	Air Content:	ASTM C 231	1.9 %

Specimen Storage ASTM C 31

Field Cure Days: 1

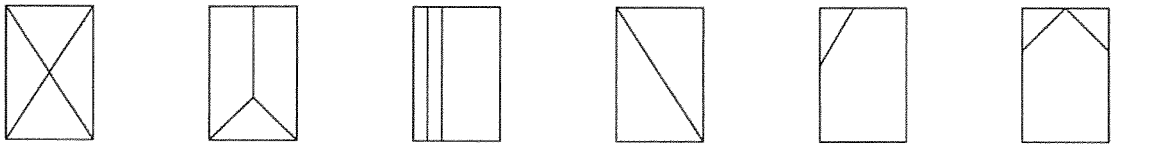
Date Received: 8/31/2016

Condition of Cylinders: Good

Curing Temperatures: 66 °F to 83 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84814	9/6/2016	4.01	12.60	7	47650	3780	5
84815	9/27/2016	4.01	12.60	28	64365	5110	3
84816	9/27/2016	4.01	12.60	28	62540	4960	3
84817	HOLD			H			



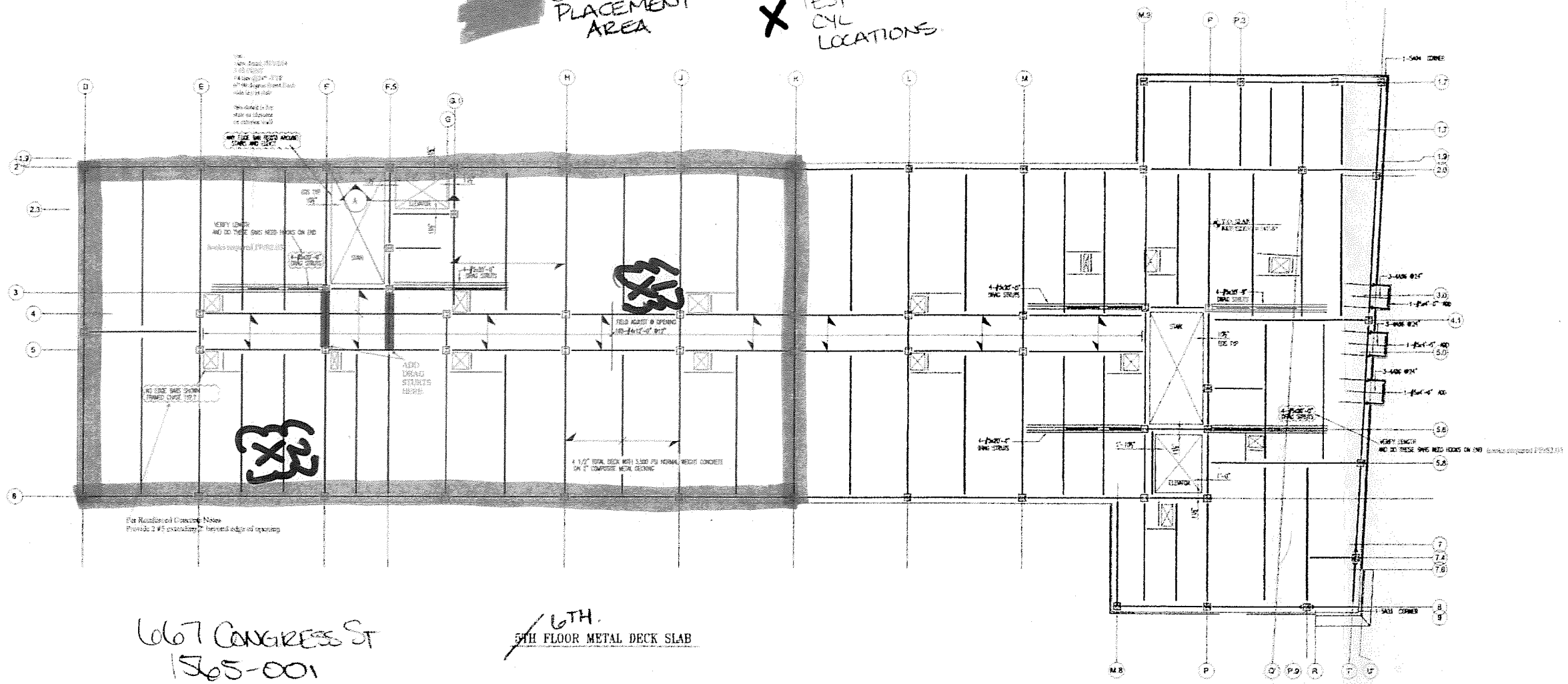
Remarks:

Checked by: _____

for Matthew T. Grady, Manager of MTS

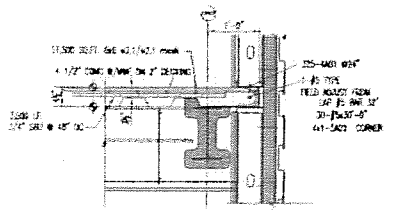
CONCRETE PLACEMENT AREA

X TEST CYL LOCATIONS

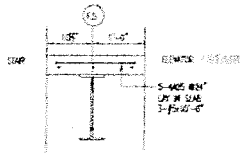


1667 CONGRESS ST
1565-001
MARY SANDERS
08-30-2016

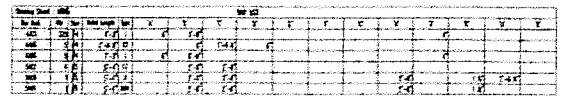
6TH.
5TH FLOOR METAL DECK SLAB



TYPICAL SLAB EDGE DETAIL



SECTION A



No.	Description	Date	By
	E WAL FOR APPROVAL	7/20/2016	CAB

Revisions and Issue Record

The full intent and purpose of this drawing is the placing of reinforcing steel bars ONLY. It is NOT to be used as a means of communication between the Architect, Engineer, Contractor or any other Sub-trades.

THIS DRAWING IS NOT TO BE SCALED

Harris Rebar — DETAILED AT: SCARBOROUGH, MAINE

Project: 667 CONGRESS STREET

Drawing: METAL DECK 5TH FLOOR

Customer: MS GILES FOUNDATION

Engineers:

Refer to Release:

Date	Drawn	Chkd.	Job No.	Dwg. No.
7/20/2016	CAB		33505863	MD05

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
October 4, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
84982	28
84983	28
84986	28
84987	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Friday, September 02, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

first half of 7th floor slab

Test Cylinder Location:

P/2.5

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	3 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	291029	Cast By:		Anthony G. Stohlberg
Truck Number:	84	Slump:	ASTM C 143	7.00 in.
Cubic Yards:	10	Air Temperature:		70 °F
Total Yardage:	100	Concrete Temperature:	ASTM C1064	73.8 °F
Total Time (minutes):	92	Air Content:	ASTM C 231	1.7 %

Specimen Storage ASTM C 31

Field Cure Days: 4

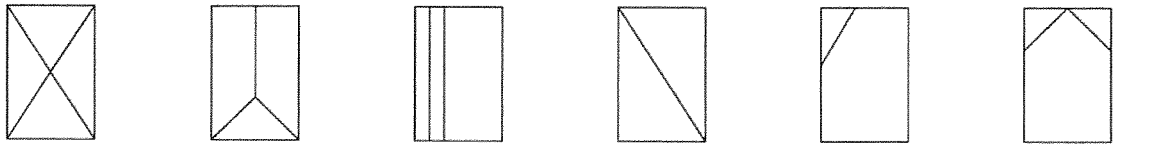
Date Received: 9/6/2016

Condition of Cylinders: Good

Curing Temperatures: 62 °F to 89 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84981	9/9/2016	4.01	12.63	7	42910	3400	5
84982	9/30/2016	4.00	12.55	28	61995	4940	5
84983	9/30/2016	4.00	12.55	28	60180	4800	2
84984	HOLD			H			



Remarks:

Checked by: _____

Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES, INC

86 Industrial Park Rd., Suite 4, Saco ME 04072, 207-286-8008 / 177 Shattuck Way, Suite 1 West, Newington, NH 03801, 603-427-0244

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Friday, September 02, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

first half of 7th floor slab

Test Cylinder Location:

L/3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	7 of 10	Number of 4x8 Cylinders:		4
Ticket Number:	291033	Cast By:		Anthony G. Stohlberg
Truck Number:	156	Slump:	ASTM C 143	7.00 in.
Cubic Yards:	10	Air Temperature:		80 °F
Total Yardage:	100	Concrete Temperature:	ASTM C1064	75.1 °F
Total Time (minutes):	80	Air Content:	ASTM C 231	1.7 %

Specimen Storage ASTM C 31

Field Cure Days: 4

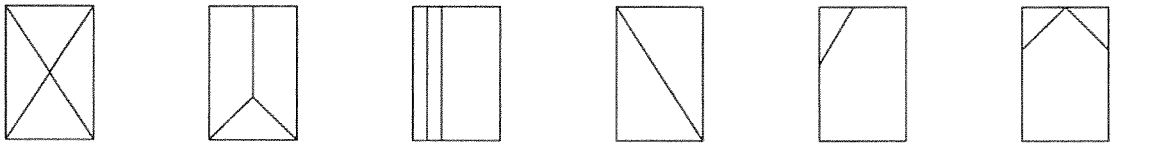
Date Received: 9/6/2016

Condition of Cylinders: Good

Curing Temperatures: 62 °F to 89 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

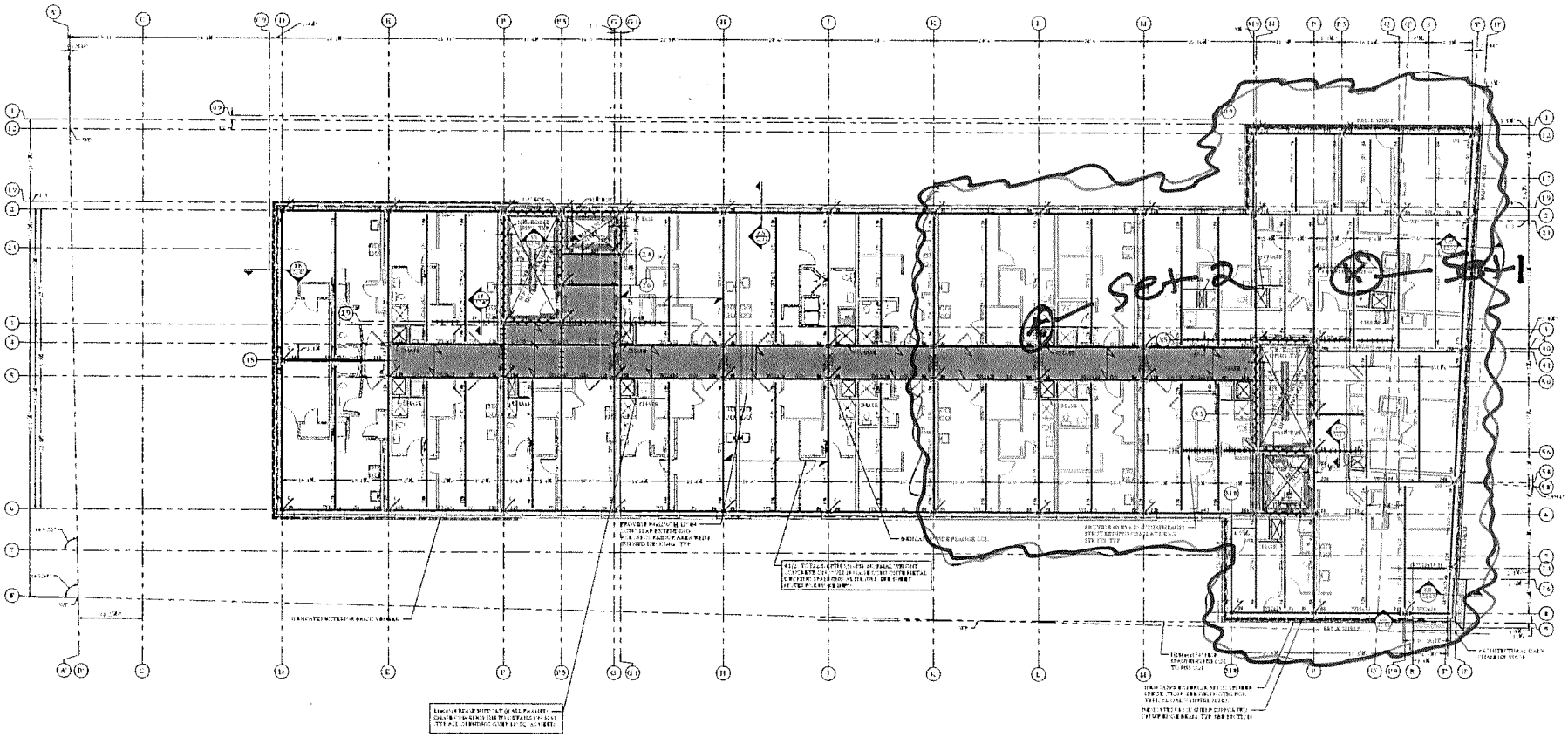
Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84985	9/9/2016	4.01	12.63	7	43400	3440	3
84986	9/30/2016	4.00	12.55	28	55745	4440	5
84987	9/30/2016	4.00	12.55	28	57700	4600	5
84988	HOLD			H			



Remarks:

Checked by: for Matthew T. Grady, Manager of MTS

7th Floor



3RD FLOOR FRAMING PLAN

FRAMING KEY

Project: 667 Congress Street
Project No.: 1565-001
Date: 9/2/2016
Technologist: Tony Stahlberg

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
RYAN SENATORE ARCHITECTURE

DATE: 2 NOVEMBER 2016
PROJECT No.: 1565
DRAWN BY: SMS
CHECKED BY: ACJ
SCALE: AS NOTED

SHEET TITLE
3RD FLOOR FRAMING PLAN

S1.03

Structural Integrity

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
October 7, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
85046	28
85047	28
85050	28
85051	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Wednesday, September 07, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4500 psi
Weather Conditions:	Cloudy	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Rear and Buggy	**Admixtures:**	MRWR

Placement Location:

Basement, F-C.9/2-7 and C.9-A/2.3-7

Test Cylinder Location:

E/2-3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	2 of 7	Number of 4x8 Cylinders:		4
Ticket Number:	278013	Cast By:		Mary E. Sanders
Truck Number:	98	Slump:	ASTM C 143	5.75 in.
Cubic Yards:	10	Air Temperature:		65 °F
Total Yardage:	70	Concrete Temperature:	ASTM C1064	78 °F
Total Time (minutes):	90	Air Content:	ASTM C 231	7.5 %

Specimen Storage ASTM C 31

Field Cure Days: 2

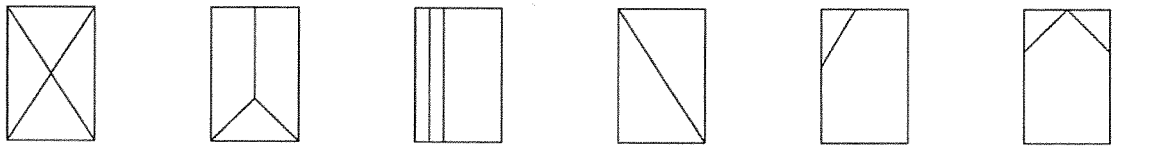
Date Received: 9/9/2016

Condition of Cylinders: Good

Curing Temperatures: 69 °F to 85 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
85045	9/14/2016	4.01	12.64	7	50805	4020	4
85046	10/5/2016	3.98	12.43	28	60240	4840	2
85047	10/5/2016	3.98	12.43	28	59375	4770	2
85048	HOLD			H			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Wednesday, September 07, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4500 psi
Weather Conditions:	Cloudy	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Rear and Buggy	**Admixtures:**	MRWR

Placement Location:

Basement, F-C.9/2-7 and C.9-A/2.3-7

Test Cylinder Location:

C-D/5-6

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	6 of 7	Number of 4x8 Cylinders:		4
Ticket Number:	278023	Cast By:		Mary E. Sanders
Truck Number:	98	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10	Air Temperature:		67 °F
Total Yardage:	70	Concrete Temperature:	ASTM C1064	80 °F
Total Time (minutes):	90	Air Content:	ASTM C 231	6.6 %

Specimen Storage ASTM C 31

Field Cure Days: 2

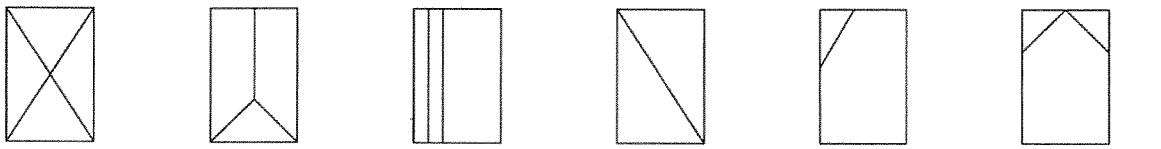
Date Received: 9/9/2016

Condition of Cylinders: Good

Curing Temperatures: 69 °F to 85 °F

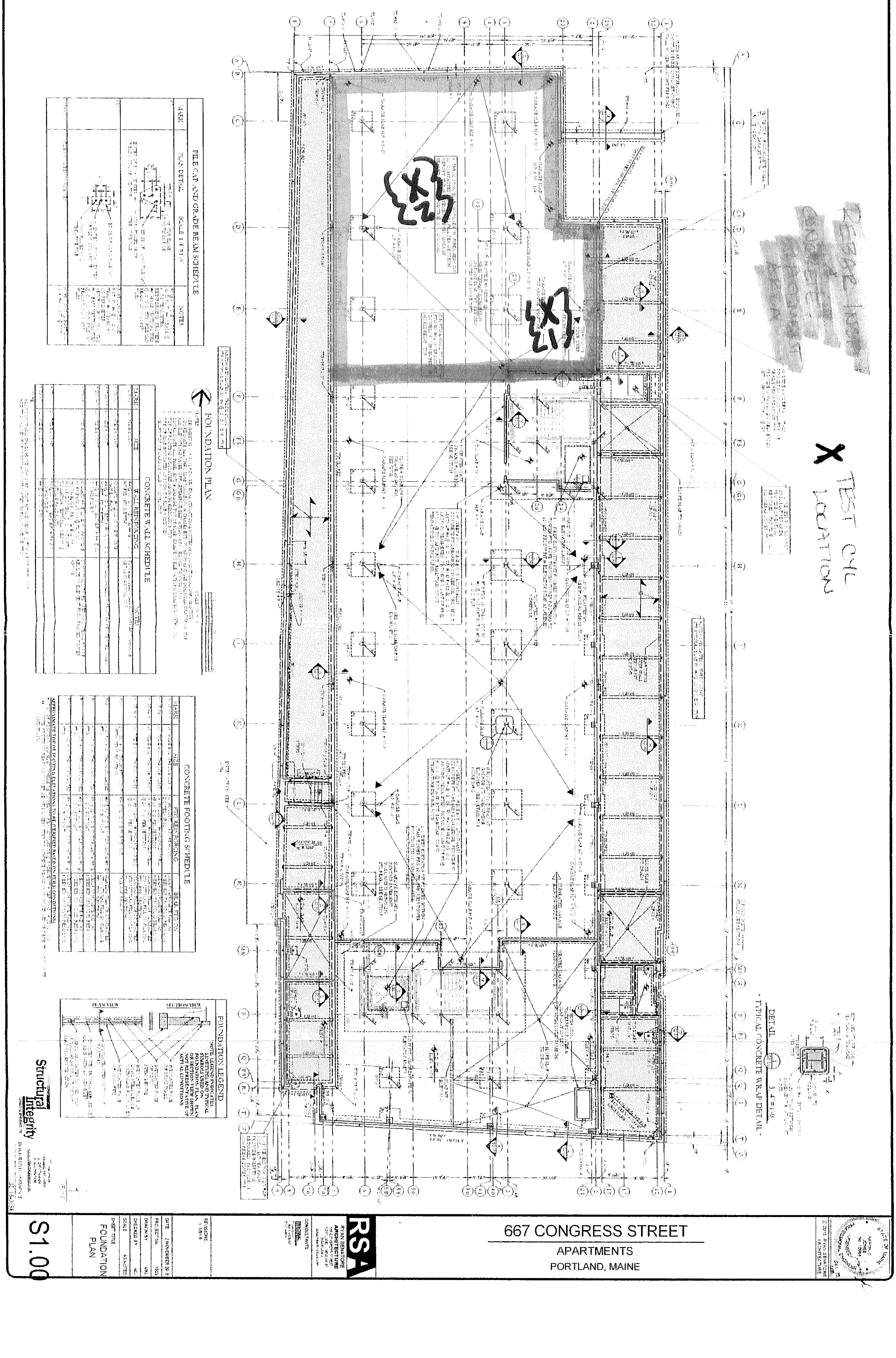
ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
85049	9/14/2016	4.01	12.64	7	52630	4160	4
85050	10/5/2016	3.98	12.43	28	69515	5590	2
85051	10/5/2016	3.98	12.43	28	75090	6040	5
85052	HOLD			H			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS



667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA

FOUNDATION PLAN

S1.00

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
October 12, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
85144	28
85145	28
85148	28
85149	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Friday, September 09, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Rear and Pump	**Admixtures:**	MRWR

Placement Location:

Level 7 Slab on deck K-D/2-6

Test Cylinder Location:

J-H/5.6

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	3 of 11	Number of 4x8 Cylinders:		4
Ticket Number:	278141	Cast By:		Mary E. Sanders
Truck Number:	95	Slump:	ASTM C 143	6.50 in.
Cubic Yards:	10	Air Temperature:		71 °F
Total Yardage:	110	Concrete Temperature:	ASTM C1064	77 °F
Total Time (minutes):	72	Air Content:	ASTM C 231	2.6 %

Specimen Storage ASTM C 31

Field Cure Days: 4

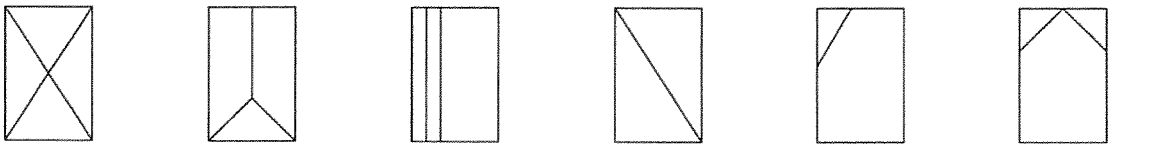
Date Received: 9/13/2016

Condition of Cylinders: Good

Curing Temperatures: 63 °F to 90 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
85143	9/16/2016	4.02	12.69	7	45955	3620	5
85144	10/7/2016	4.02	12.68	28	55365	4370	5
85145	10/7/2016	4.02	12.68	28	55570	4380	4
85146	HOLD			H			



Remarks:

Checked by: _____

Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Friday, September 09, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Rear and Pump	**Admixtures:**	MRWR

Placement Location:

Level 7 Slab on deck K-D/2-6

Test Cylinder Location:

F-E/2.3-3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	7 of 11	Number of 4x8 Cylinders:		4
Ticket Number:	278153	Cast By:		Mary E. Sanders
Truck Number:	84	Slump:	ASTM C 143	6.50 in.
Cubic Yards:	10	Air Temperature:		75 °F
Total Yardage:	110	Concrete Temperature:	ASTM C1064	79 °F
Total Time (minutes):	76	Air Content:	ASTM C 231	2.5 %

Specimen Storage ASTM C 31

Field Cure Days: 4

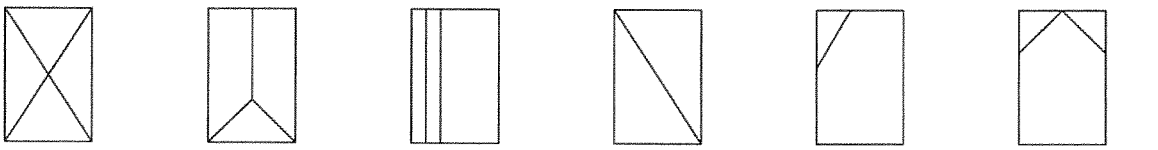
Date Received: 9/13/2016

Condition of Cylinders: Good

Curing Temperatures: 63 °F to 90 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
85147	9/16/2016	4.02	12.69	7	37090	2920	6
85148	10/7/2016	4.02	12.68	28	56125	4430	5
85149	10/7/2016	4.02	12.68	28	58220	4590	2
85150	HOLD			H			



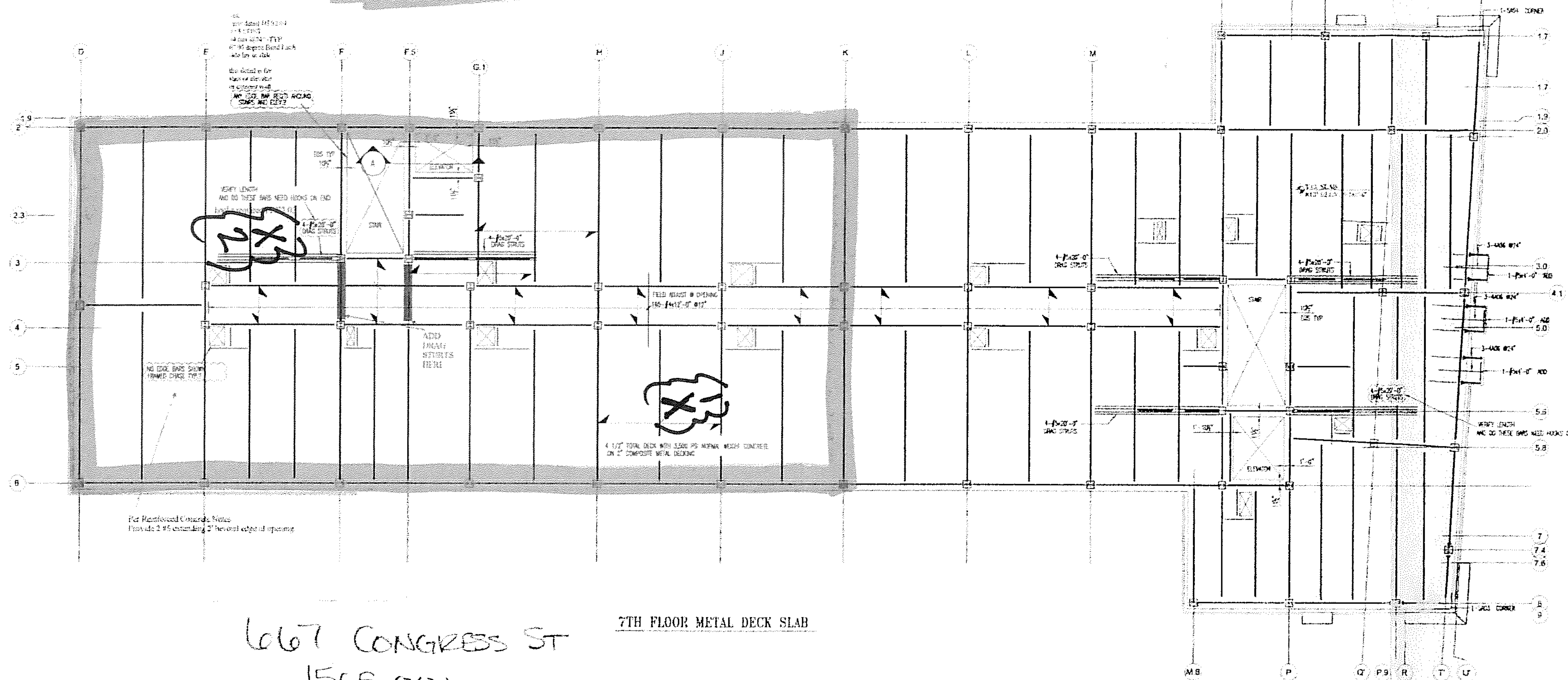
Remarks:

Checked by: _____

Matthew T. Grady, Manager of MTS

REBAR & CONCRETE

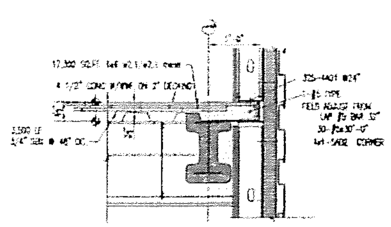
X TEST CYL LOCATIONS



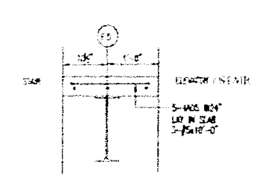
667 CONGRESS ST
1565-001

MARY SANDERS
09-09-2016

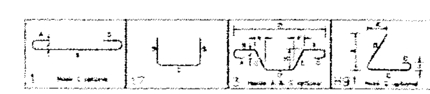
[illegible]



TYPICAL SLAB EDGE DETAIL



SECTION A



E-MAIL FOR APPROVAL			CAB
No. Description		Date	By

Revisions and Issue Record

The full intent and purpose of this drawing is the placing of reinforcing steel bars ONLY. It is NOT to be used as a means of communication between the Architect, Engineer, Contractor or any other Sub-trades.

THIS DRAWING IS NOT TO BE SCALED.

DETAILED AT: SCARBOROUGH MAINE

Project: 667 CONGRESS STREET

Drawing: METAL DECK 7TH FLOOR

Customer: MS GILES FOUNDATION

Engineer:

Refer to Release:

Date	Drawn	Chkd.	JOB No.	Dwg. No.
7/20/2016	CAB		33505863	MD07

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
September 23, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
85207	7
85211	7

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, September 15, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:
8th floor slab U-K

Test Cylinder Location:
R/7

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

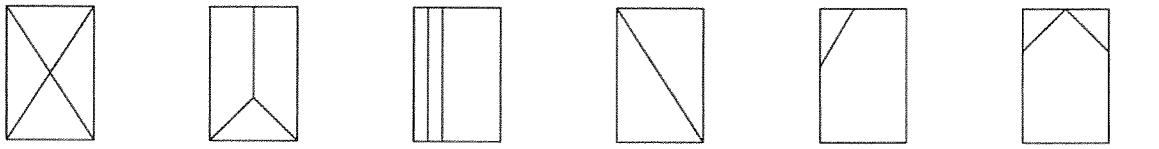
Load Number:	1 of 8	Number of 4x8 Cylinders:		4
Ticket Number:	277429	Cast By:		Anthony G. Stohlberg
Truck Number:	-	Slump:	ASTM C 143	6.25 in.
Cubic Yards:	10	Air Temperature:		65 °F
Total Yardage:	76	Concrete Temperature:	ASTM C1064	73 °F
Total Time (minutes):	90	Air Content:	ASTM C 231	1.5 %

Specimen Storage ASTM C 31

Field Cure Days: 1
Date Received: 9/16/2016
Condition of Cylinders: Good
Curing Temperatures: 62 °F to 76 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
85207	9/22/2016	4.02	12.68	7	45415	3580	5
85208	10/13/2016			28			
85209	10/13/2016			28			
85210	HOLD			H			



Remarks:

Checked by: _____
For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, September 15, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

8th floor slab U-K

Test Cylinder Location:

L/5

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	6 of 8	Number of 4x8 Cylinders:		4
Ticket Number:	277436	Cast By:		Joshua R. Fancy
Truck Number:	-	Slump:	ASTM C 143	7.25 in.
Cubic Yards:	10	Air Temperature:		61 °F
Total Yardage:	76	Concrete Temperature:	ASTM C1064	73 °F
Total Time (minutes):	100	Air Content:	ASTM C 231	2.3 %

Specimen Storage ASTM C 31

Field Cure Days: 1

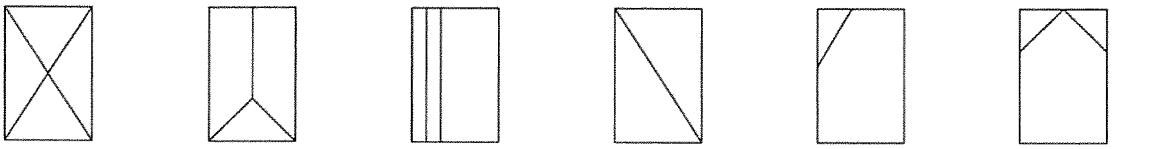
Date Received: 9/16/2016

Condition of Cylinders: Good

Curing Temperatures: 62 °F to 76 °F

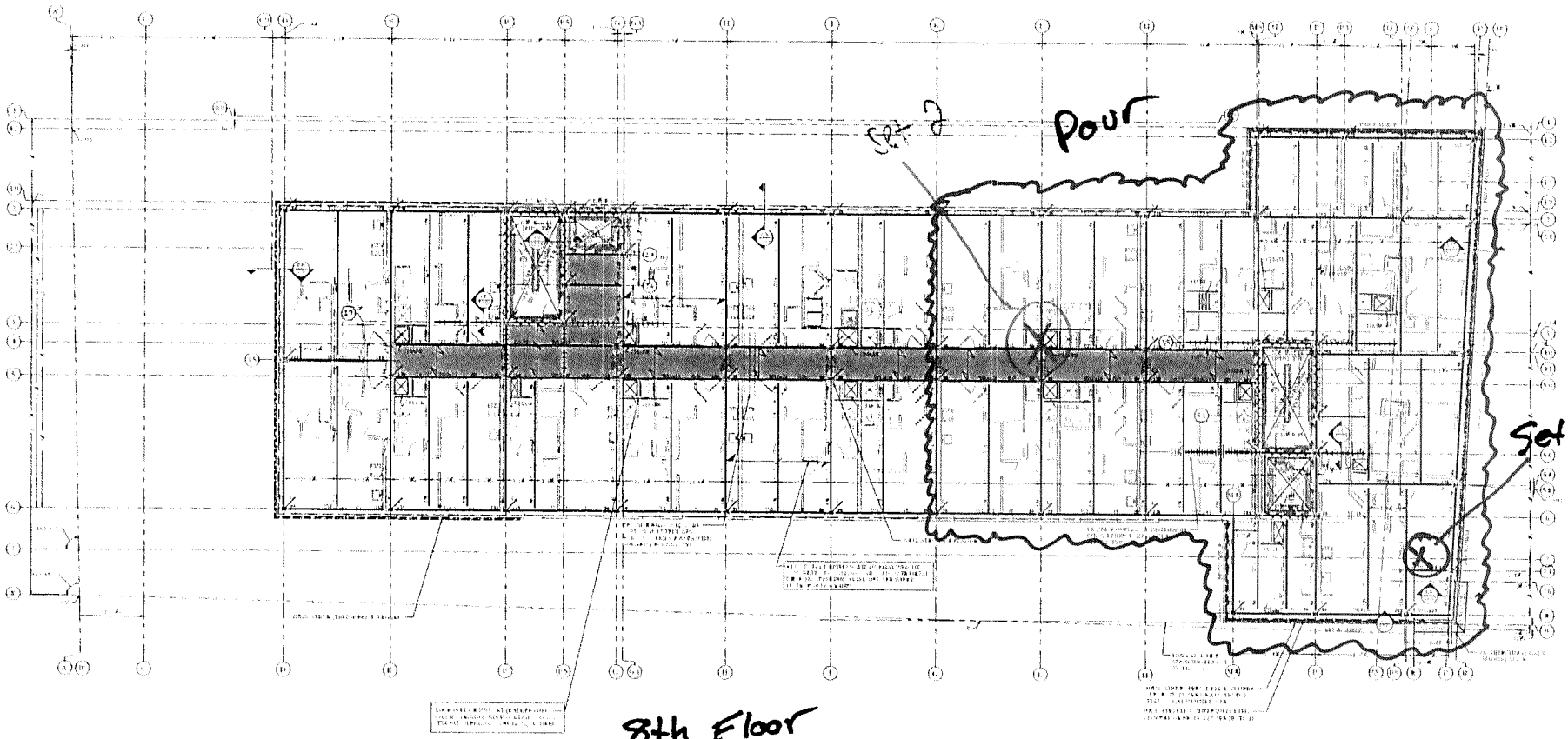
ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
85211	9/22/2016	4.02	12.68	7	49675	3920	5
85212	10/13/2016			28			
85213	10/13/2016			28			
85214	HOLD			H			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS



Project: 667 Congress Street
Project No.: 1565-001
Date: 9/15/2016
Technologist: Tony Stahlberg
Josh Funch

FRAMING KEY

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
ARCHITECTURE

3RD FLOOR FRAMING PLAN

S1.03

Structural Integrity

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
October 19, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
85208	28
85209	28
85212	28
85213	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, September 15, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

8th floor slab U-K

Test Cylinder Location:

R/7

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	1 of 8	Number of 4x8 Cylinders:		4
Ticket Number:	277429	Cast By:		Anthony G. Stohlberg
Truck Number:	-	Slump:	ASTM C 143	6.25 in.
Cubic Yards:	10	Air Temperature:		65 °F
Total Yardage:	76	Concrete Temperature:	ASTM C1064	73 °F
Total Time (minutes):	90	Air Content:	ASTM C 231	1.5 %

Specimen Storage ASTM C 31

Field Cure Days: 1

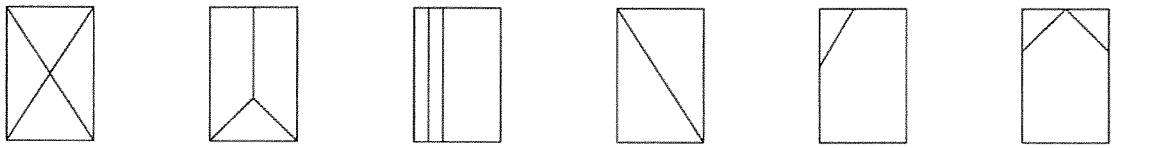
Date Received: 9/16/2016

Condition of Cylinders: Good

Curing Temperatures: 62 °F to 76 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
85207	9/22/2016	4.02	12.68	7	45415	3580	5
85208	10/13/2016	4.00	12.59	28	59090	4690	5
85209	10/13/2016	4.00	12.59	28	61870	4910	6
85210	HOLD			H			



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, September 15, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Pump	**Admixtures:**	MRWR

Placement Location:

8th floor slab U-K

Test Cylinder Location:

L/5

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	6 of 8	Number of 4x8 Cylinders:		4
Ticket Number:	277436	Cast By:		Joshua R. Fancy
Truck Number:	-	Slump:	ASTM C 143	7.25 in.
Cubic Yards:	10	Air Temperature:		61 °F
Total Yardage:	76	Concrete Temperature:	ASTM C1064	73 °F
Total Time (minutes):	100	Air Content:	ASTM C 231	2.3 %

Specimen Storage ASTM C 31

Field Cure Days: 1

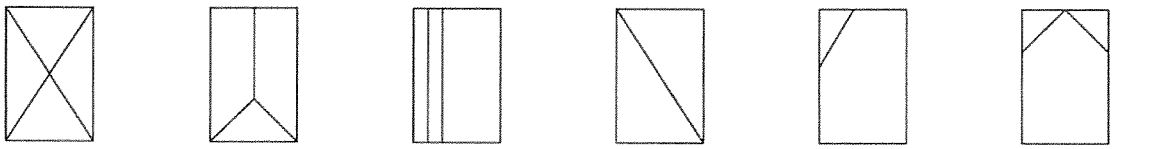
Date Received: 9/16/2016

Condition of Cylinders: Good

Curing Temperatures: 62 °F to 76 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

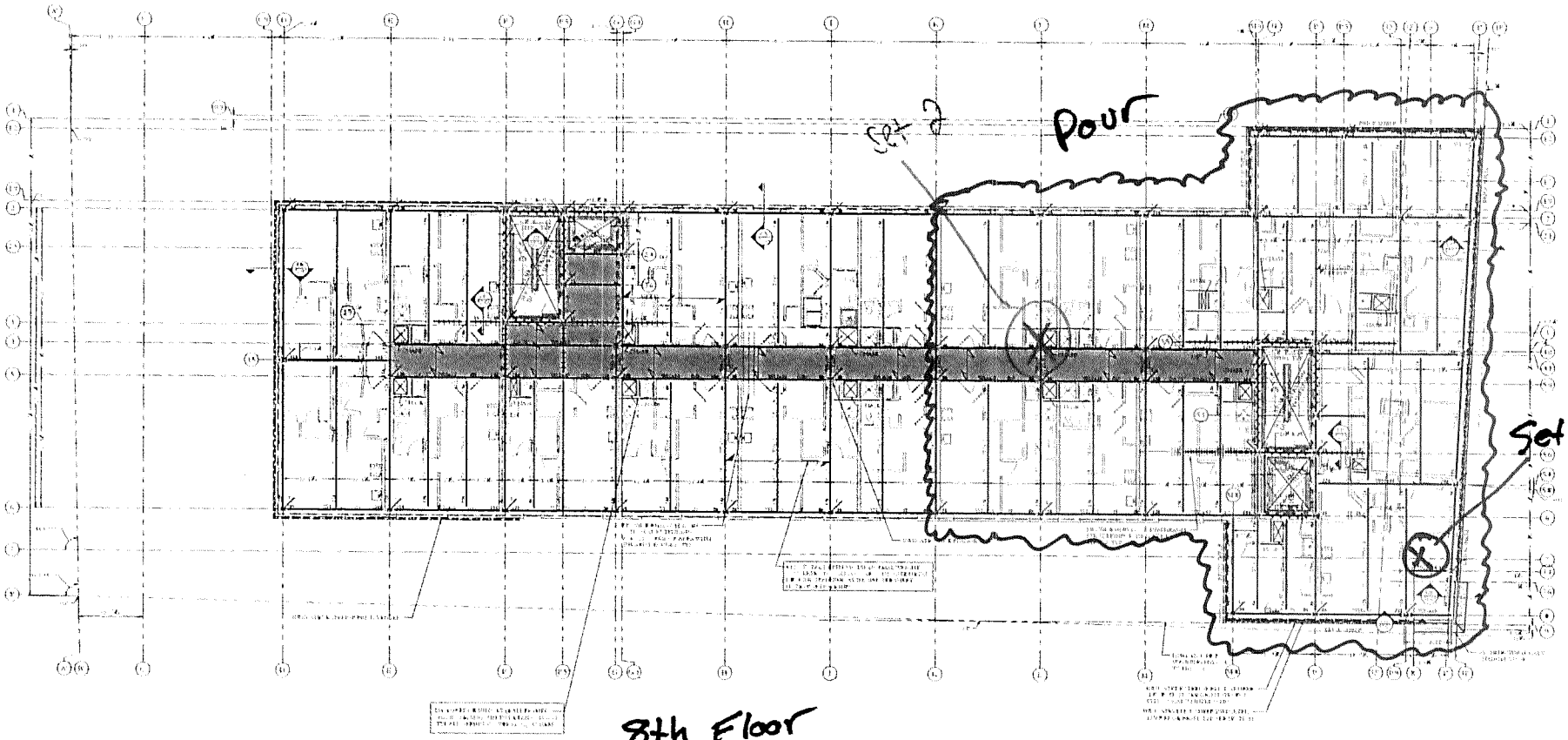
Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
85211	9/22/2016	4.02	12.68	7	49675	3920	5
85212	10/13/2016	4.00	12.59	28	56805	4510	5
85213	10/13/2016	4.00	12.59	28	55665	4420	6
85214	HOLD			H			



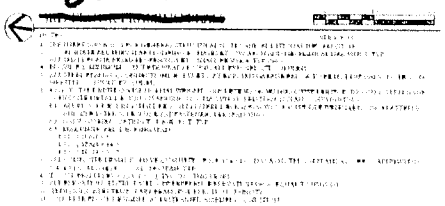
Remarks:

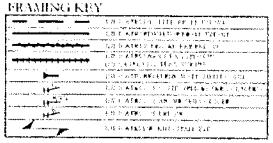
Checked by: _____

Matthew T. Grady, Manager of MTS



8th Floor





Project: 667 Congress Street
Project No.: 1565-001
Date: 9/15/2016
Technologist: Tony Stahlberg
Josh Funch

Structural Integrity

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
ARCHITECTURE

3RD FLOOR FRAMING PLAN

S1.03

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
September 29, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

Re: Concrete Testing
667 Congress Street Apartments Project
Portland, ME 04101

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
85265	7
85269	7

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name: 667 Congress St. Apartments Project
Project No: 1565-001
Client: Cordjia Capital Projects Group
Weather Conditions: Cloudy
Placement Method: Rear and Pump

Date Cylinders Cast: Tuesday, September 20, 2016
Concrete Supplier: Auburn Concrete
Design Strength: 3500 psi
Max. Aggregate Size: 3/4 inch
Admixtures: MRWR

Placement Location:
Level 8 Slab on Deck K-D/2-6

Test Cylinder Location:
H/2-3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

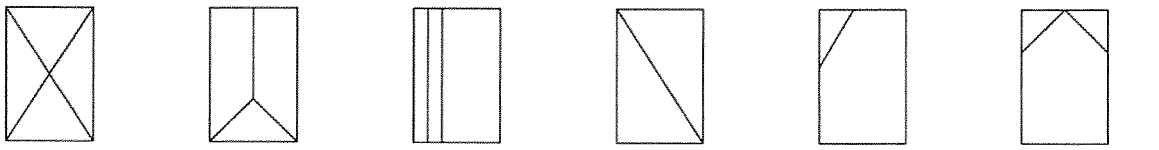
Load Number:	3 of 11	Number of 4x8 Cylinders:		4
Ticket Number:	290848	Cast By:		Mary E. Sanders
Truck Number:	157	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10	Air Temperature:		68 °F
Total Yardage:	110	Concrete Temperature:	ASTM C1064	75 °F
Total Time (minutes):	58	Air Content:	ASTM C 231	2.3 %

Specimen Storage ASTM C 31

Field Cure Days: 1
Date Received: 9/21/2016
Condition of Cylinders: Good
Curing Temperatures: 68 °F to 81 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
85265	9/27/2016	4.01	12.60	7	50775	4030	2
85266	10/18/2016			28			
85267	10/18/2016			28			
85268	HOLD			H			



Remarks:

Checked by: _____
For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, September 20, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Cloudy	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Rear and Pump	**Admixtures:**	MRWR

Placement Location:

Level 8 Slab on Deck K-D/2-6

Test Cylinder Location:

F-E/5-6

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	7 of 11	Number of 4x8 Cylinders:		4
Ticket Number:	290855	Cast By:		Mary E. Sanders
Truck Number:	101	Slump:	ASTM C 143	5.75 in.
Cubic Yards:	10	Air Temperature:		70 °F
Total Yardage:	110	Concrete Temperature:	ASTM C1064	78 °F
Total Time (minutes):	80	Air Content:	ASTM C 231	2.3 %

Specimen Storage ASTM C 31

Field Cure Days: 1

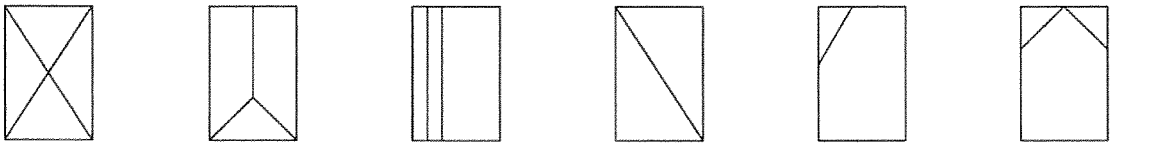
Date Received: 9/21/2016

Condition of Cylinders: Good

Curing Temperatures: 68 °F to 81 °F

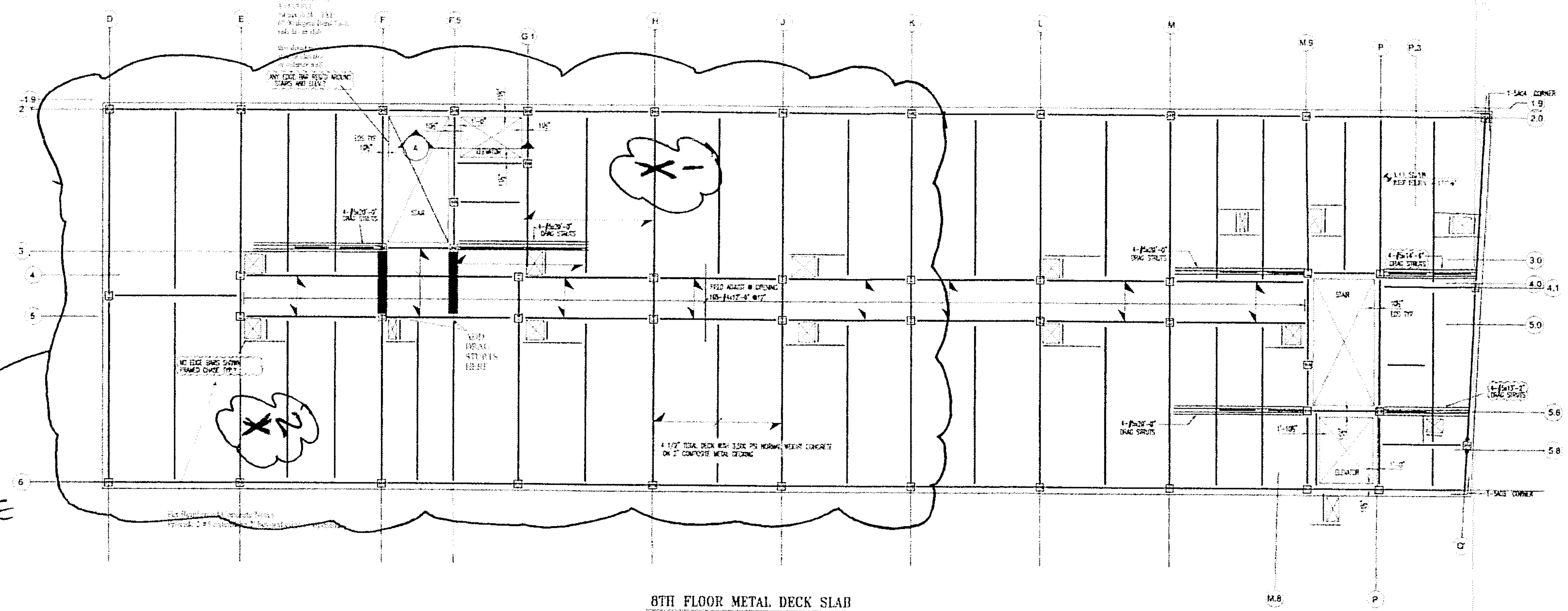
ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
85269	9/27/2016	4.01	12.60	7	46790	3710	5
85270	10/18/2016			28			
85271	10/18/2016			28			
85272	HOLD			H			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS



REBAR & CONCRETE INSP. AREA

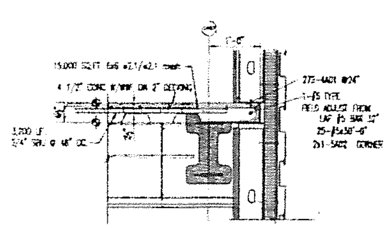
8TH FLOOR METAL DECK SLAB

X - TEST CYLS.

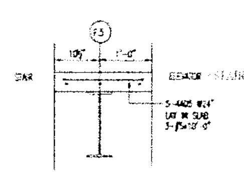
667 CONGRESS ST
1565-001

MARY SANDERS
09-20-2016

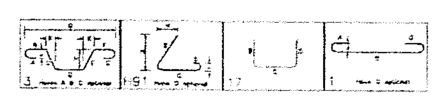
[illegible]



TYPICAL SLAB EDGE DETAIL



SECTION A



E MAIL FOR APPROVAL			1/20/2016	CAB
No.	Description		Date	By
Revisions and Issue Record				
The full intent and purpose of this drawing is the placing of reinforcing steel bars ONLY. It is NOT to be used as a means of communication between the Architect, Engineer, Contractor or any other Sub-trades.				
THIS DRAWING IS NOT TO BE SCALED.				
DETAILED AT: SCARBOROUGH MAINE				
Project: 667 CONGRESS STREET				
Drawing: METAL DECK 8TH FLOOR				
Customer: NS GILES FOUNDATION				
Engineer:				
Refer to Release:				
Date 1/20/2016	Drawn CAB	Chkd.	JOB No. 33505863	Dwg. No. MD08

R. W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Date:	Project No.:
October 19, 2016	1565-001
Attention: Blaine Buck (bbuck@cordjiacpg.com)	
Re: Concrete Testing 667 Congress Street Apartments Project Portland, ME 04101	

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
85266	28
85267	28
85270	28
85271	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
Bill Lawrence (blawrence@pcconstruction.com)
Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Cam Mullen (cmullen@pcconstruction.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, September 20, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3500 psi
Weather Conditions:	Cloudy	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Rear and Pump	**Admixtures:**	MRWR

Placement Location:

Level 8 Slab on Deck K-D/2-6

Test Cylinder Location:

H/2-3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	3 of 11	Number of 4x8 Cylinders:		4
Ticket Number:	290848	Cast By:		Mary E. Sanders
Truck Number:	157	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10	Air Temperature:		68 °F
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Total Time (minutes):	58	Air Content:	ASTM C 231	2.3 %

Specimen Storage ASTM C 31

Field Cure Days: 1

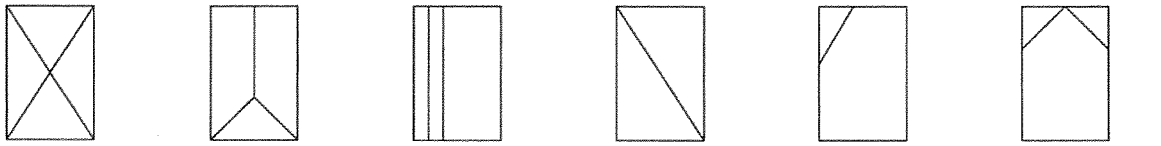
Date Received: 9/21/2016

Condition of Cylinders: Good

Curing Temperatures: 68 °F to 81 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
85265	9/27/2016	4.01	12.60	7	50775	4030	2
85266	10/18/2016	3.98	12.43	28	65025	5230	5
85267	10/18/2016	3.98	12.43	28	62155	5000	5
85268	HOLD			H			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES, INC

86 Industrial Park Rd., Suite 4, Saco ME 04072, 207-286-8008 / 177 Shattuck Way, Suite 1 West, Newington, NH 03801, 603-427-0244

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name: 667 Congress St. Apartments Project
Project No: 1565-001
Client: Cordjia Capital Projects Group
Weather Conditions: Cloudy
Placement Method: Rear and Pump

Date Cylinders Cast: Tuesday, September 20, 2016
Concrete Supplier: Auburn Concrete
Design Strength: 3500 psi
Max. Aggregate Size: 3/4 inch
Admixtures: MRWR

Placement Location:
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Test Cylinder Location:
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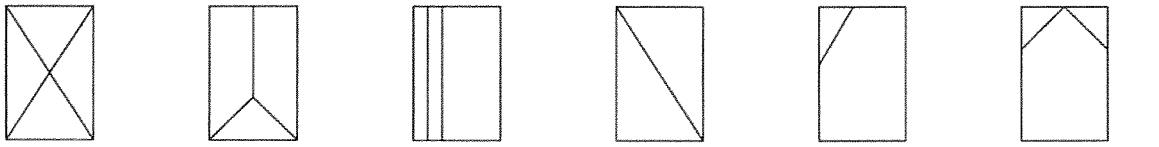
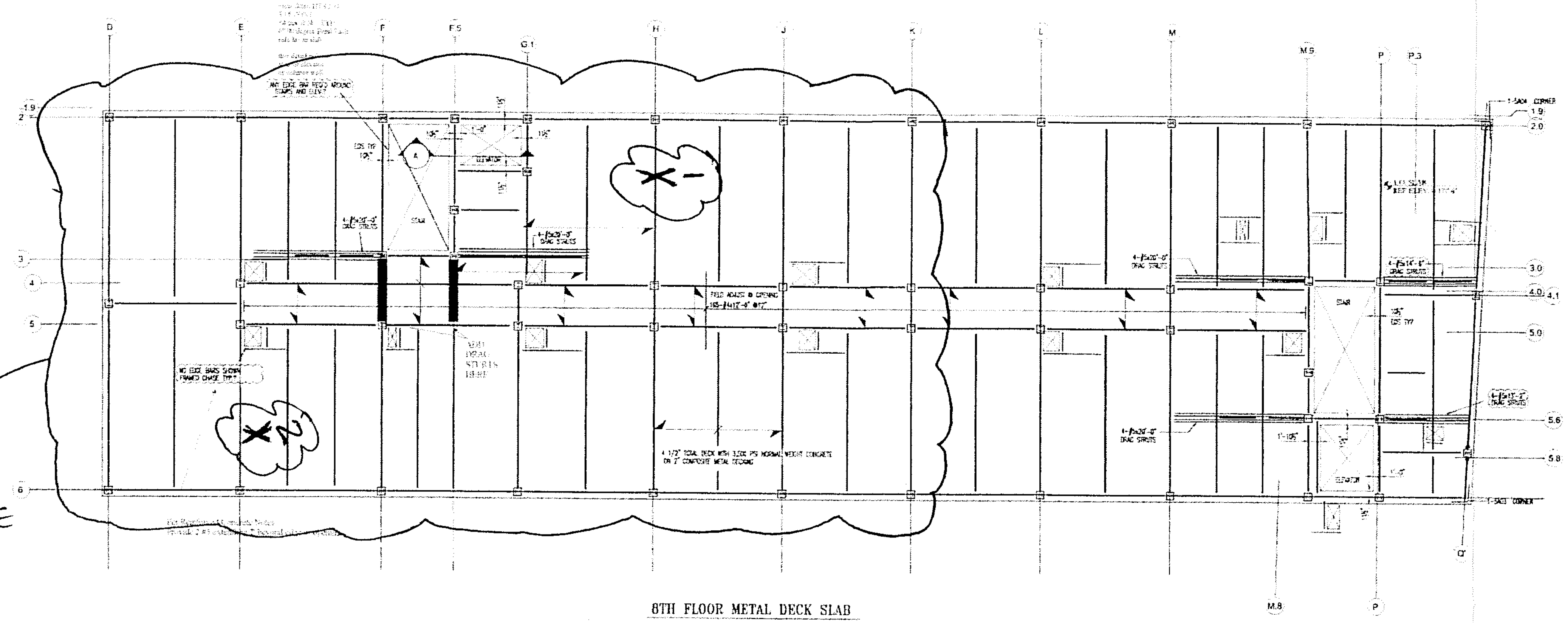
85269	9/27/2016	4.01	12.60	7	46790	3710	5
85270	10/18/2016	3.98	12.43	28	54635	4400	5
85271	10/18/2016	3.98	12.43	28	56720	4560	5
85272	HOLD			H			



Remarks:

Checked by: For Matthew T. Grady, Manager of MTS

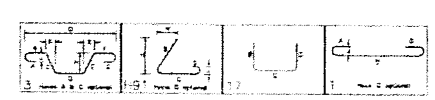


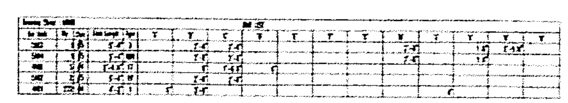
8TH FLOOR METAL DECK SLAB

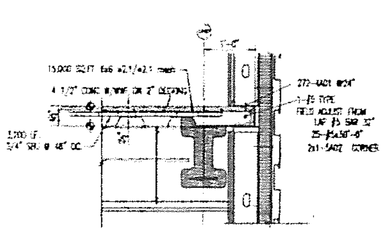
X-TEST
CYLS.

667 CONGRESS ST
1565-001

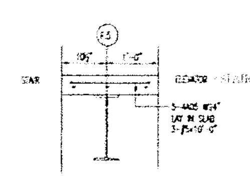
MARY SANDERS
09-20-2016







TYPICAL SLAB EDGE DETAIL



SECTION A

	E-MAIL FOR APPROVAL	1/20/2016 CAB
No.	Description	Date By

Revisions and Issue Record

The full intent and purpose of this drawing is the placing of reinforcing steel bars ONLY. It is NOT to be used as a means of communication between the Architect, Engineer, Contractor or any other Sub-trades.

THIS DRAWING IS NOT TO BE SCALED.

Harris Rebar — DETAILED AT SCARBOROUGH MAINE

Project: 667 CONGRESS STREET

Drawing: METAL DECK 8TH FLOOR

Customer: NS GILES FOUNDATION

Engineer:

Refer to Release:

Date	Drawn	Chkd.	JOB No.	Dwg. No.
1/20/2016	CAB		33505863	MD08