



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**

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

**Architect's Review Stamp**

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



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: July 8, 2016	Project No.: 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:

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- 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**

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

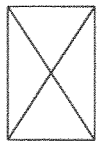
Load Number:	2 of 3	Number of 4x8 Cylinders:	4
Ticket Number:	282029	Cast By:	Anthony G. Stohlberg
Truck Number:	163	Slump:	ASTM C 143 5.50 in.
Cubic Yards:	10	Air Temperature:	81 °F
Total Yardage:	30	Concrete Temperature:	77 °F
Total Time (minutes):	64	Air Content:	ASTM C 231 2.0 %

**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 <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Matthew T. Grady*  
 Matthew T. Grady, Manager of MTS  
 For



**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

<b>Project Name:</b>	667 Congress St. Apartments Project	<b>Date Cylinders Cast:</b>	Thursday, June 30, 2016
<b>Project No:</b>	1565-001	<b>Concrete Supplier:</b>	Auburn Concrete
<b>Client:</b>	Cordjia Capital Projects Group	<b>Design Strength:</b>	4500 psi
<b>Weather Conditions:</b>	Sunny	<b>Max. Aggregate Size:</b>	3/4 inch
<b>Placement Method:</b>	Pump	<b>Admixtures:</b>	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 <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4

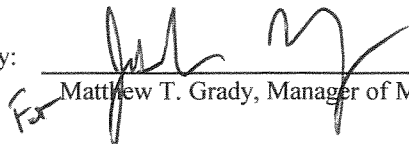


Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

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



**R. W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

<b>Project Name:</b>	667 Congress St. Apartments Project	<b>Date Cylinders Cast:</b>	Thursday, June 30, 2016
<b>Project No:</b>	1565-001	<b>Concrete Supplier:</b>	Auburn Concrete
<b>Client:</b>	Cordjia Capital Projects Group	<b>Design Strength:</b>	4500 psi
<b>Weather Conditions:</b>	Sunny	<b>Max. Aggregate Size:</b>	3/4 inch
<b>Placement Method:</b>	Pump	<b>Admixtures:</b>	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 <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



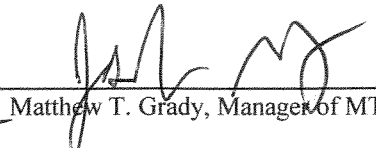
Side Fracture  
5



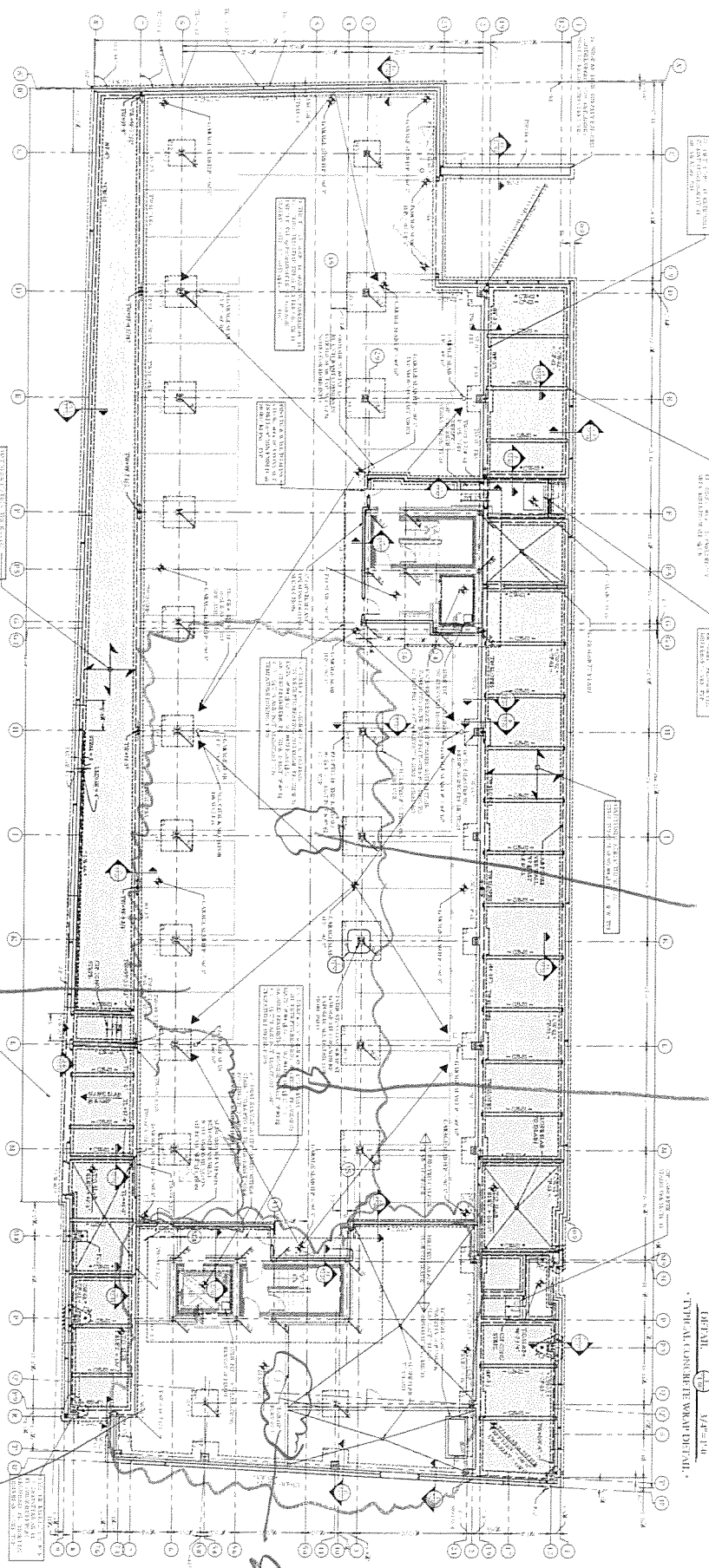
Double Side Fracture  
6

**Remarks:**

Checked by:

*For*   
 Matthew T. Grady, Manager of MTS

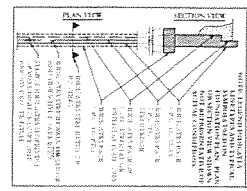




PILE CAP AND/OR BEAM SCHEDULE		
MARK	PILE/BEAM	SCHEDULE
	NO. 16 1/2" x 10" C	NO. 16 1/2" x 10" C
	NO. 16 1/2" x 10" C	NO. 16 1/2" x 10" C
	NO. 16 1/2" x 10" C	NO. 16 1/2" x 10" C

FOUNDATION PLAN	
NO. 16 1/2" x 10" C	NO. 16 1/2" x 10" C
NO. 16 1/2" x 10" C	NO. 16 1/2" x 10" C
NO. 16 1/2" x 10" C	NO. 16 1/2" x 10" C
NO. 16 1/2" x 10" C	NO. 16 1/2" x 10" C
NO. 16 1/2" x 10" C	NO. 16 1/2" x 10" C

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



**Structural Integrity**  
 ENGINEERS  
 1100 STATE STREET  
 PORTLAND, MAINE 04102  
 TEL: 603-761-1100  
 FAX: 603-761-1101  
 WWW.SIENR.COM

S1.00

NO.	DESCRIPTION	DATE
1	FOUNDATION PLAN	6/30/2016

**RSA**  
 REGISTERED PROFESSIONAL ENGINEER  
 1100 STATE STREET  
 PORTLAND, MAINE 04102  
 TEL: 603-761-1100  
 FAX: 603-761-1101  
 WWW.RSA-MAINE.COM

667 CONGRESS STREET  
 APARTMENTS  
 PORTLAND, MAINE



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 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**

Cordjia Capital Projects Group  
 \_\_\_\_\_  
 PO Box 1367  
 \_\_\_\_\_  
 Camden, Maine 04843  
 \_\_\_\_\_

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

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:

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- Copy to:
- Kate Gerrish (kgerrish@cordjiacpg.com)
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  - Matt Legere (matt@structuralinteg.com)
  - Christopher Rodenhizer (crodenhizer@pcconstruction.com)
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  - Marieke Sparrow-Pepin (msparrow-pepin@pcconstruction.com)
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  - 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**

<b>Project Name:</b>	667 Congress St. Apartments Project	<b>Date Cylinders Cast:</b>	Thursday, June 30, 2016
<b>Project No:</b>	1565-001	<b>Concrete Supplier:</b>	Auburn Concrete
<b>Client:</b>	Cordjia Capital Projects Group	<b>Design Strength:</b>	3500 psi
<b>Weather Conditions:</b>	Sunny	<b>Max. Aggregate Size:</b>	3/4 inch
<b>Placement Method:</b>	Pump	<b>Admixtures:</b>	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 <sup>2</sup> )	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



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



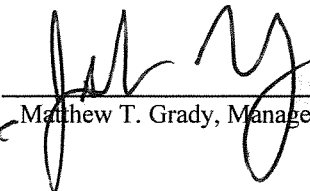
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*for*   
 Matthew T. Grady, Manager of MTS





**R. W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

<b>Project Name:</b>	667 Congress St. Apartments Project	<b>Date Cylinders Cast:</b>	Thursday, June 30, 2016
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<b>Client:</b>	Cordjia Capital Projects Group	<b>Design Strength:</b>	4500 psi
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**Placement Location:**  
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**Test Cylinder Location:**  
 J,5

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Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	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



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4

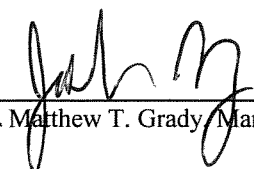


Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

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



**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

<b>Project Name:</b>	667 Congress St. Apartments Project	<b>Date Cylinders Cast:</b>	Thursday, June 30, 2016
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**Placement Location:**  
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**Test Cylinder Location:**  
 5, L.4

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

**Date Report Issued:**

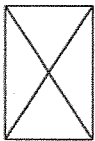
Load Number:	7 of 8	Number of 4x8 Cylinders:	4
Ticket Number:	282042	Cast By:	Anthony G. Stohlberg
Truck Number:	148	Slump:	ASTM C 143 5.00 in.
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Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	Age (days)	Load (lbs)	Compressive Strength (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



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



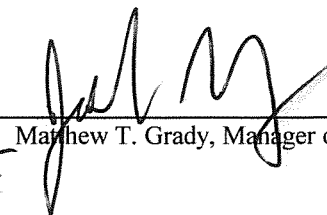
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*For*   
 Matthew T. Grady, Manager of MTS

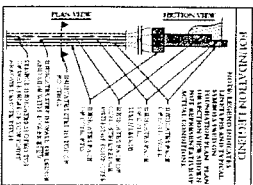


R.W. GILLESPIE & ASSOCIATES, INC

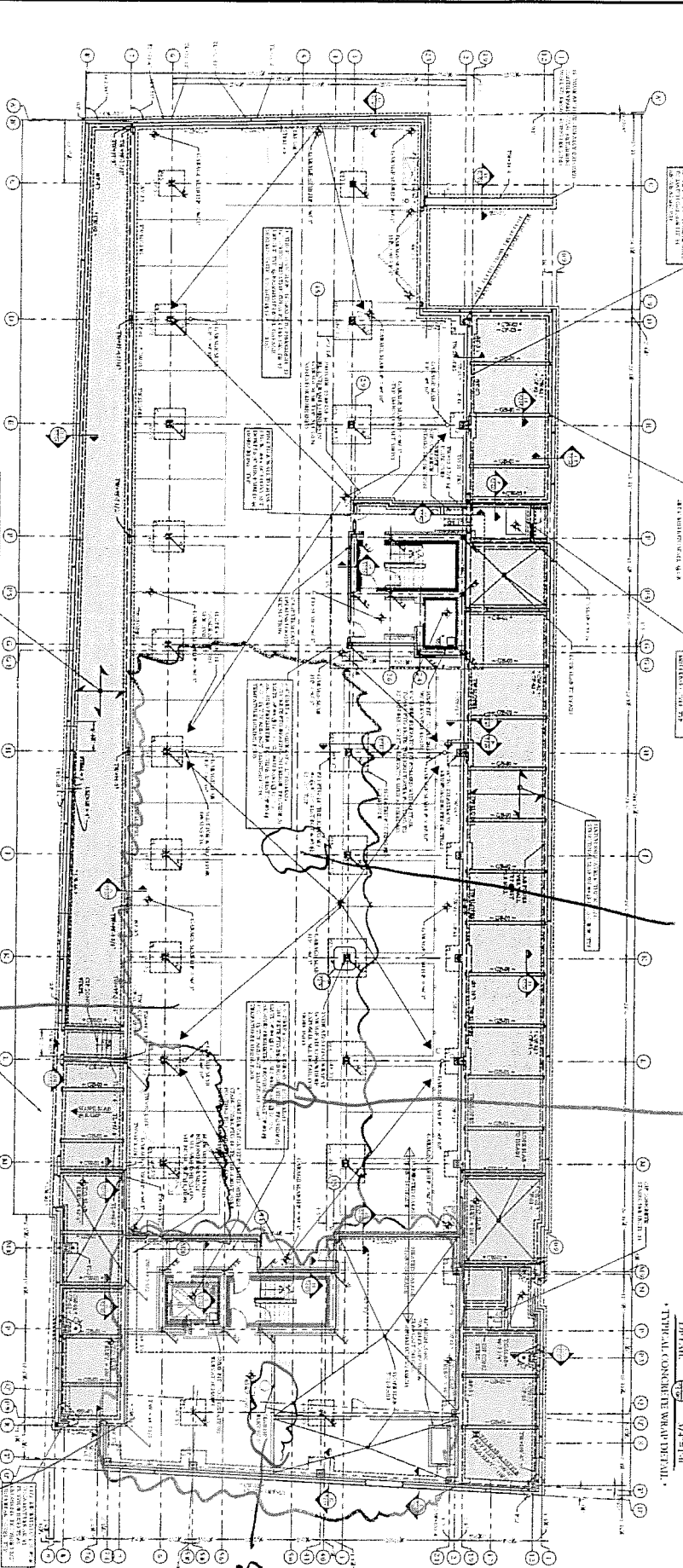
DATE	PROJECT NO.	PROJECT NAME	CLIENT
12/15/16	1565-001	667 CONGRESS STREET	RS&S
12/15/16	1565-001	667 CONGRESS STREET	RS&S
12/15/16	1565-001	667 CONGRESS STREET	RS&S
12/15/16	1565-001	667 CONGRESS STREET	RS&S
12/15/16	1565-001	667 CONGRESS STREET	RS&S
12/15/16	1565-001	667 CONGRESS STREET	RS&S
12/15/16	1565-001	667 CONGRESS STREET	RS&S
12/15/16	1565-001	667 CONGRESS STREET	RS&S
12/15/16	1565-001	667 CONGRESS STREET	RS&S
12/15/16	1565-001	667 CONGRESS STREET	RS&S
12/15/16	1565-001	667 CONGRESS STREET	RS&S

NO.	DESCRIPTION	DATE	BY
1	FOUNDATION PLAN	12/15/16	TAY
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			

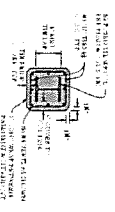
Project: 667 Congress Street  
 Project No.: 1565-001  
 Date: 6/30/2016  
 Technologist: Tony Stahlberg



NO AIR



Set 2  
 Set 3



Structural Integrity

\$1.00

DATE	PROJECT NO.	PROJECT NAME	CLIENT
12/15/16	1565-001	667 CONGRESS STREET	RS&S
12/15/16	1565-001	667 CONGRESS STREET	RS&S
12/15/16	1565-001	667 CONGRESS STREET	RS&S
12/15/16	1565-001	667 CONGRESS STREET	RS&S
12/15/16	1565-001	667 CONGRESS STREET	RS&S
12/15/16	1565-001	667 CONGRESS STREET	RS&S
12/15/16	1565-001	667 CONGRESS STREET	RS&S
12/15/16	1565-001	667 CONGRESS STREET	RS&S
12/15/16	1565-001	667 CONGRESS STREET	RS&S
12/15/16	1565-001	667 CONGRESS STREET	RS&S
12/15/16	1565-001	667 CONGRESS STREET	RS&S

**FOUNDATION PLAN**

PROJECT NO.: 1565-001  
 PROJECT NAME: 667 CONGRESS STREET  
 CLIENT: RS&S

**RSA**

REINFORCEMENT SCHEDULE  
 REINFORCEMENT SCHEDULE FOR FOUNDATION PLAN  
 PROJECT NO.: 1565-001  
 PROJECT NAME: 667 CONGRESS STREET  
 CLIENT: RS&S

**667 CONGRESS STREET**  
 APARTMENTS  
 PORTLAND, MAINE

**PROFESSIONAL SEAL**

REGISTERED PROFESSIONAL ENGINEER  
 STATE OF MAINE  
 NO. 10000  
 TONY STAHLBERG



**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: August 8, 2016	Project No.: 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:

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- 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**

<b>Project Name:</b>	667 Congress St. Apartments Project	<b>Date Cylinders Cast:</b>	Wednesday, July 06, 2016
<b>Project No:</b>	1565-001	<b>Concrete Supplier:</b>	Auburn Concrete
<b>Client:</b>	Cordjia Capital Projects Group	<b>Design Strength:</b>	5000 psi
<b>Weather Conditions:</b>	Sunny	<b>Max. Aggregate Size:</b>	3/4 inch
<b>Placement Method:</b>	Pump	<b>Admixtures:</b>	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 <sup>2</sup> )	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



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



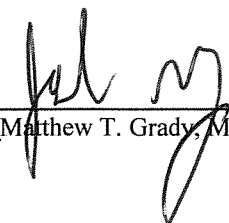
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*For*   
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

<b>Project Name:</b>	667 Congress St. Apartments Project	<b>Date Cylinders Cast:</b>	Wednesday, July 06, 2016
<b>Project No:</b>	1565-001	<b>Concrete Supplier:</b>	Auburn Concrete
<b>Client:</b>	Cordjia Capital Projects Group	<b>Design Strength:</b>	5000 psi
<b>Weather Conditions:</b>	Sunny	<b>Max. Aggregate Size:</b>	3/4 inch
<b>Placement Method:</b>	Pump	<b>Admixtures:</b>	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 <sup>2</sup> )	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



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4

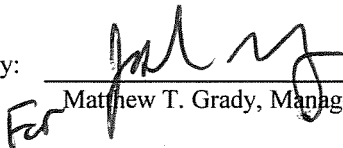


Side Fracture  
5



Double Side Fracture  
6

**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: August 8, 2016	Project No.: 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:

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- 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@acom-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**

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

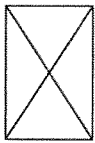
Load Number:	1 of 10	Number of 4x8 Cylinders:	4
Ticket Number:	289317	Cast By:	Patrick J. Roma
Truck Number:	83	Slump:	ASTM C 143 6.00 in.
Cubic Yards:	10	Air Temperature:	62 °F
Total Yardage:	100	Concrete Temperature:	76 °F
Total Time (minutes):	63	Air Content:	ASTM C 231 5.5 %

**Specimen Storage ASTM C 31**

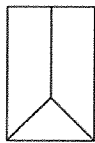
Field Cure Days: 3  
 Date Received: 7/11/2016  
 Condition of Cylinders: Good  
 Curing Temperatures: 68 °F to 73 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	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			



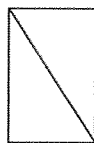
Cone  
1



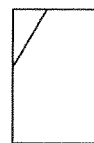
Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Matthew T. Grady*  
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**



**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

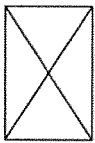
Load Number:	1 of 10	Number of 4x8 Cylinders:	4
Ticket Number:	289317	Cast By:	Patrick J. Roma
Truck Number:	101	Slump:	ASTM C 143 5.50 in.
Cubic Yards:	10	Air Temperature:	64 °F
Total Yardage:	100	Concrete Temperature:	78 °F
Total Time (minutes):	54	Air Content:	ASTM C 231 5.5 %

**Specimen Storage ASTM C 31**

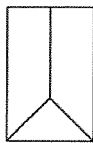
Field Cure Days: 3  
 Date Received: 7/11/2016  
 Condition of Cylinders: Good  
 Curing Temperatures: 68 °F to 73 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	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



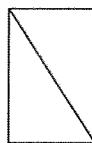
Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Matthew T. Grady*  
 For Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

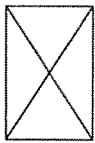
Load Number:	1 of 2	Number of 4x8 Cylinders:	4
Ticket Number:	289334	Cast By:	Patrick J. Roma
Truck Number:	101	Slump:	ASTM C 143 5.00 in.
Cubic Yards:	6.5	Air Temperature:	65 °F
Total Yardage:	15	Concrete Temperature:	74 °F
Total Time (minutes):	80	Air Content:	ASTM C 231 2.6 %

**Specimen Storage ASTM C 31**

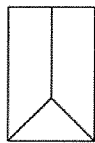
Field Cure Days: 3  
 Date Received: 7/11/2016  
 Condition of Cylinders: Good  
 Curing Temperatures: 68 °F to 73 °F

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

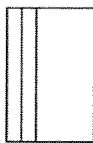
Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83829	7/15/2016	3.99	12.48	7	52880	4240	2
83830	8/5/2016	4.02	12.68	28	61900	4880	5
83831	8/5/2016	4.02	12.68	28	60925	4800	5
83832	8/5/2016	4.02	12.68	28	60420	4770	5



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



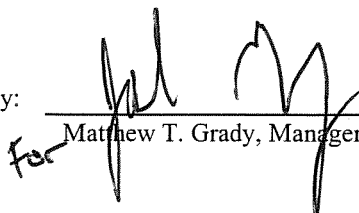
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

  
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**



**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: September 13, 2016	Project No.: 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)
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  - 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**

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

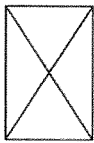
Load Number:	1 of 10	Number of 4x8 Cylinders:	4
Ticket Number:	289317	Cast By:	Patrick J. Roma
Truck Number:	83	Slump:	ASTM C 143 6.00 in.
Cubic Yards:	10	Air Temperature:	62 °F
Total Yardage:	100	Concrete Temperature:	76 °F
Total Time (minutes):	63	Air Content:	ASTM C 231 5.5 %

**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

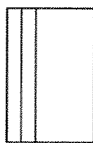
Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83821	7/15/2016	3.99	12.48	7	55500	4450	5
83822	8/5/2016	4.02	12.68	28	62715	4950	5
83823	8/5/2016	4.02	12.68	28	63470	5010	5
83824	9/2/2016	4.02	12.68	56	71225	5620	5



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Matthew T. Grady*  
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

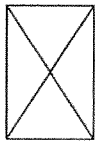
Load Number:	1 of 10	Number of 4x8 Cylinders:	4
Ticket Number:	289317	Cast By:	Patrick J. Roma
Truck Number:	101	Slump:	ASTM C 143 5.50 in.
Cubic Yards:	10	Air Temperature:	64 °F
Total Yardage:	100	Concrete Temperature:	78 °F
Total Time (minutes):	54	Air Content:	ASTM C 231 5.5 %

**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 <sup>2</sup> )	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



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4

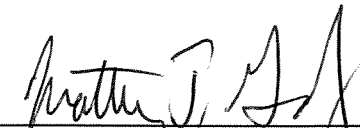


Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:   
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

<b>Project Name:</b>	667 Congress St. Apartments Project	<b>Date Cylinders Cast:</b>	Friday, July 08, 2016
<b>Project No:</b>	1565-001	<b>Concrete Supplier:</b>	Auburn Concrete
<b>Client:</b>	Cordjia Capital Projects Group	<b>Design Strength:</b>	3500 psi
<b>Weather Conditions:</b>	Overcast	<b>Max. Aggregate Size:</b>	3/4 inch
<b>Placement Method:</b>	pump	<b>Admixtures:</b>	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 <sup>2</sup> )	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



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



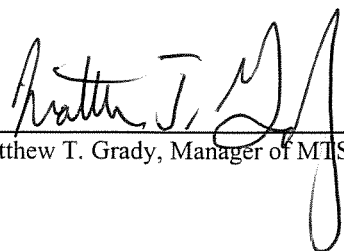
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

  
 Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC



**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**

**Cordjia Capital Projects Group**

**PO Box 1367**

**Camden, Maine 04843**

Date: July 21, 2016	Project No.: 1565-001
Attention: Blaine Buck (bbuck@cordjiacpg.com)	
Re: Concrete Testing 667 Congress Street Apartments Project Portland, ME 04101	

We are sending you attached Concrete Cylinder Test Results.	
Cylinder No. (s)	Age (Days)
83859	7
83863	7
83867	7

**Remarks:**

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- 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**

<b>Project Name:</b>	667 Congress St. Apartments Project	<b>Date Cylinders Cast:</b>	Tuesday, July 12, 2016
<b>Project No:</b>	1565-001	<b>Concrete Supplier:</b>	Auburn Concrete
<b>Client:</b>	Cordjia Capital Projects Group	<b>Design Strength:</b>	3500 psi
<b>Weather Conditions:</b>	Sunny	<b>Max. Aggregate Size:</b>	3/4 inch
<b>Placement Method:</b>	Pump	<b>Admixtures:</b>	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 <sup>2</sup> )	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			



Cone  
1



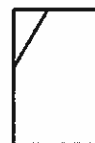
Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

Remarks:

Checked by:

*Matthew T. Grady*  
 For Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC



**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

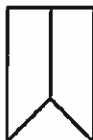
Field Cure Days: 1  
 Date Received: 7/13/2016  
 Condition of Cylinders: Good  
 Curing Temperatures: 78 °F to 86 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

Remarks:

Checked by:

*Matthew T. Grady*  
 Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

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



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



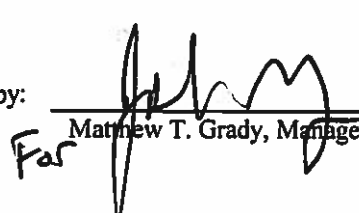
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Far*   
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**



**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: August 12, 2016	Project No.: 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:

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- 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@acom-engineering.com)
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  - Cam Mullen (cmullen@pcconstruction.com)

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

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

<b>Project Name:</b>	667 Congress St. Apartments Project	<b>Date Cylinders Cast:</b>	Tuesday, July 12, 2016
<b>Project No:</b>	1565-001	<b>Concrete Supplier:</b>	Auburn Concrete
<b>Client:</b>	Cordjia Capital Projects Group	<b>Design Strength:</b>	3500 psi
<b>Weather Conditions:</b>	Sunny	<b>Max. Aggregate Size:</b>	3/4 inch
<b>Placement Method:</b>	Pump	<b>Admixtures:</b>	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 <sup>2</sup> )	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



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4




Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:   
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

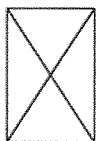
Load Number:	7 of 10	Number of 4x8 Cylinders:	4
Ticket Number:	289425	Cast By:	Anthony G. Stohlberg
Truck Number:	84	Slump:	ASTM C 143 7.00 in.
Cubic Yards:	10	Air Temperature:	85 °F
Total Yardage:	100	Concrete Temperature:	79 °F
Total Time (minutes):	72	Air Content:	ASTM C 231 2.1 %

**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 <sup>2</sup> )	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



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4

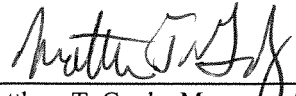


Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:   
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

<b>Project Name:</b>	667 Congress St. Apartments Project	<b>Date Cylinders Cast:</b>	Tuesday, July 12, 2016
<b>Project No:</b>	1565-001	<b>Concrete Supplier:</b>	Auburn Concrete
<b>Client:</b>	Cordjia Capital Projects Group	<b>Design Strength:</b>	4500 psi
<b>Weather Conditions:</b>	Sunny	<b>Max. Aggregate Size:</b>	3/4 inch
<b>Placement Method:</b>	Pump	<b>Admixtures:</b>	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 <sup>2</sup> )	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



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4

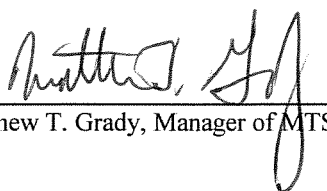


Side Fracture  
5



Double Side Fracture  
6

**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:	July 25, 2016	Project No.:	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:

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- 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**

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

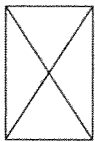
Load Number:	1 of 10	Number of 4x8 Cylinders:	4
Ticket Number:	289492	Cast By:	Patrick J. Roma
Truck Number:	98	Slump:	ASTM C 143 5.00 in.
Cubic Yards:	10	Air Temperature:	70 °F
Total Yardage:	100	Concrete Temperature:	78 °F
Total Time (minutes):	74	Air Content:	ASTM C 231 2.0 %

**Specimen Storage ASTM C 31**

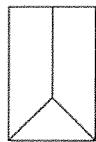
Field Cure Days: 4  
 Date Received: 7/18/2016  
 Condition of Cylinders: Good  
 Curing Temperatures: 60 °F to 84 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



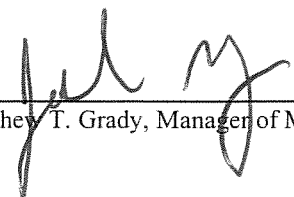
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*For*   
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**



**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

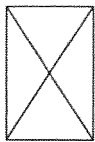
Load Number:	6 of 10	Number of 4x8 Cylinders:	4
Ticket Number:	289500	Cast By:	Patrick J. Roma
Truck Number:	98	Slump:	ASTM C 143 5.75 in.
Cubic Yards:	10	Air Temperature:	74 °F
Total Yardage:	100	Concrete Temperature:	78 °F
Total Time (minutes):	96	Air Content:	ASTM C 231 1.6 %

**Specimen Storage ASTM C 31**

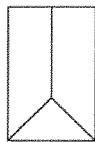
Field Cure Days: 4  
 Date Received: 7/18/2016  
 Condition of Cylinders: Good  
 Curing Temperatures: 60 °F to 84 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

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



R.W. GILLESPIE & ASSOCIATES, INC

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

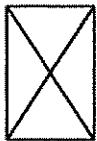
<b>Load Number:</b>	1 of 10	<b>Number of 4x8 Cylinders:</b>	4
<b>Ticket Number:</b>	289492	<b>Cast By:</b>	Patrick J. Roma
<b>Truck Number:</b>	98	<b>Slump:</b>	ASTM C 143 5.00 in.
<b>Cubic Yards:</b>	10	<b>Air Temperature:</b>	70 °F
<b>Total Yardage:</b>	100	<b>Concrete Temperature:</b>	78 °F
<b>Total Time (minutes):</b>	74	<b>Air Content:</b>	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 <sup>2</sup> )	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



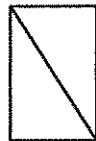
Cone  
1



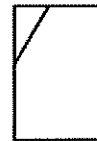
Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Matthew T. Grady*  
 For Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

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

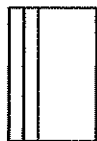
Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83970	7/21/2016	4.00	12.56	7	42460	3380	3
83971	8/11/2016	3.99	12.48	28	52875	4240	1
83972	8/11/2016	3.99	12.48	28	50535	4050	5
83973	8/11/2016	3.99	12.48	28	55595	4460	2



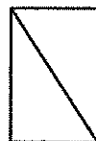
Cone  
1



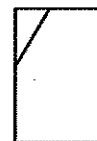
Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Matthew T. Grady*  
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**



**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:	August 16, 2016	Project No.:	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:

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- 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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

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

We are sending you attached Concrete Cylinder Test Results.	
Cylinder No. (s)	Age (Days)
84048	7
84052	7

Remarks:

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- 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**

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

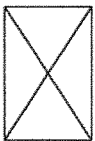
Load Number:	2 of 3	Number of 4x8 Cylinders:	4
Ticket Number:	289892	Cast By:	Anthony G. Stohlberg
Truck Number:	99	Slump:	ASTM C 143 6.00 in.
Cubic Yards:	10.75	Air Temperature:	72 °F
Total Yardage:	32	Concrete Temperature:	75 °F
Total Time (minutes):	78	Air Content:	ASTM C 231 1.5 %

**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 <sup>2</sup> )	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			



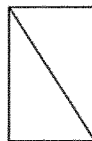
Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Matthew T. Grady*  
Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

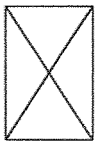
Load Number:	2 of 5	Number of 4x8 Cylinders:	4
Ticket Number:	295757	Cast By:	Anthony G. Stohlberg
Truck Number:	150	Slump:	ASTM C 143 5.00 in.
Cubic Yards:	10	Air Temperature:	79 °F
Total Yardage:	48.5	Concrete Temperature:	83 °F
Total Time (minutes):	58	Air Content:	ASTM C 231 5.0 %

**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 <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



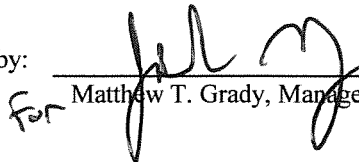
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*for*  Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC

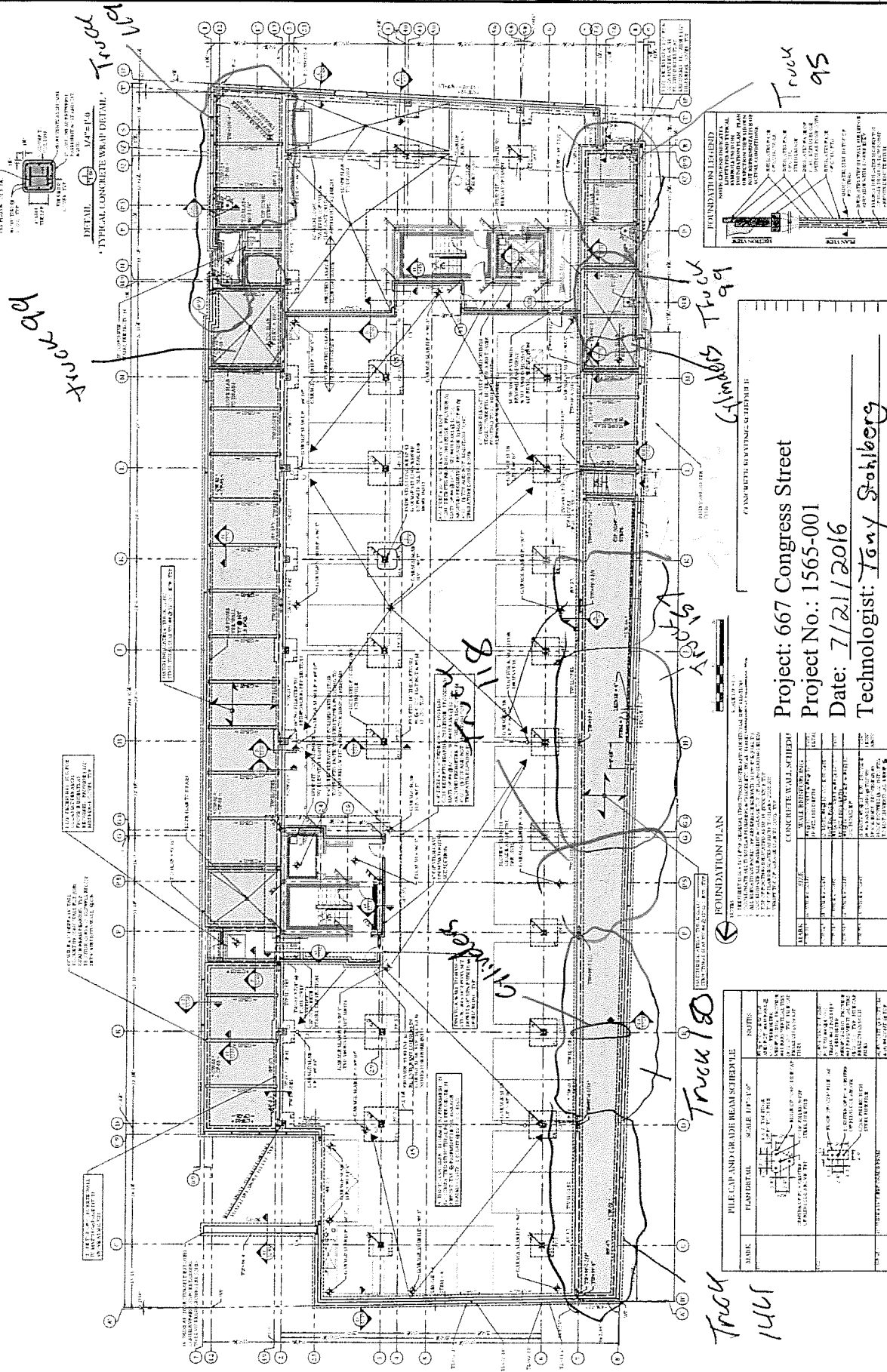
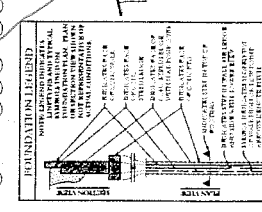
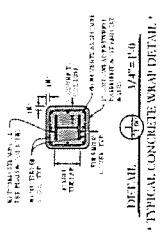


667 CONGRESS STREET  
 APARTMENTS  
 PORTLAND, MAINE



DATE:	11/08/2016
PROJECT:	667 CONGRESS STREET
DRAWN BY:	SA
CHECKED BY:	SA
SCALE:	AS SHOWN
SHEET TITLE:	FOUNDATION PLAN

\$1.00



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

NO.	REVISION	DATE
1	ISSUED FOR PERMIT	11/08/2016
2	ISSUED FOR PERMIT	11/08/2016
3	ISSUED FOR PERMIT	11/08/2016
4	ISSUED FOR PERMIT	11/08/2016
5	ISSUED FOR PERMIT	11/08/2016
6	ISSUED FOR PERMIT	11/08/2016
7	ISSUED FOR PERMIT	11/08/2016
8	ISSUED FOR PERMIT	11/08/2016
9	ISSUED FOR PERMIT	11/08/2016
10	ISSUED FOR PERMIT	11/08/2016
11	ISSUED FOR PERMIT	11/08/2016
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48	ISSUED FOR PERMIT	11/08/2016
49	ISSUED FOR PERMIT	11/08/2016
50	ISSUED FOR PERMIT	11/08/2016

NO.	REVISION	DATE
1	ISSUED FOR PERMIT	11/08/2016
2	ISSUED FOR PERMIT	11/08/2016
3	ISSUED FOR PERMIT	11/08/2016
4	ISSUED FOR PERMIT	11/08/2016
5	ISSUED FOR PERMIT	11/08/2016
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45	ISSUED FOR PERMIT	11/08/2016
46	ISSUED FOR PERMIT	11/08/2016
47	ISSUED FOR PERMIT	11/08/2016
48	ISSUED FOR PERMIT	11/08/2016
49	ISSUED FOR PERMIT	11/08/2016
50	ISSUED FOR PERMIT	11/08/2016

Structural Integrity

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





**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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

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

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:

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- 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 (mssparrow-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**

<b>Project Name:</b>	667 Congress St. Apartments Project	<b>Date Cylinders Cast:</b>	Thursday, July 21, 2016
<b>Project No:</b>	1565-001	<b>Concrete Supplier:</b>	Auburn Concrete
<b>Client:</b>	Cordjia Capital Projects Group	<b>Design Strength:</b>	3500 psi
<b>Weather Conditions:</b>	Sunny	<b>Max. Aggregate Size:</b>	3/4 inch
<b>Placement Method:</b>	Pump	<b>Admixtures:</b>	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 <sup>2</sup> )	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



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Matthew T. Grady*  
Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

<b>Project Name:</b>	667 Congress St. Apartments Project	<b>Date Cylinders Cast:</b>	Thursday, July 21, 2016
<b>Project No:</b>	1565-001	<b>Concrete Supplier:</b>	Auburn Concrete
<b>Client:</b>	Cordjia Capital Projects Group	<b>Design Strength:</b>	4500 psi
<b>Weather Conditions:</b>	Sunny	<b>Max. Aggregate Size:</b>	3/4 inch
<b>Placement Method:</b>	Pump	<b>Admixtures:</b>	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 <sup>2</sup> )	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



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4

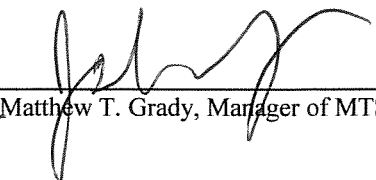


Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

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



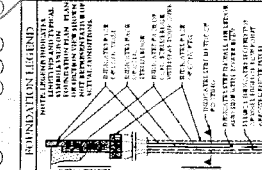
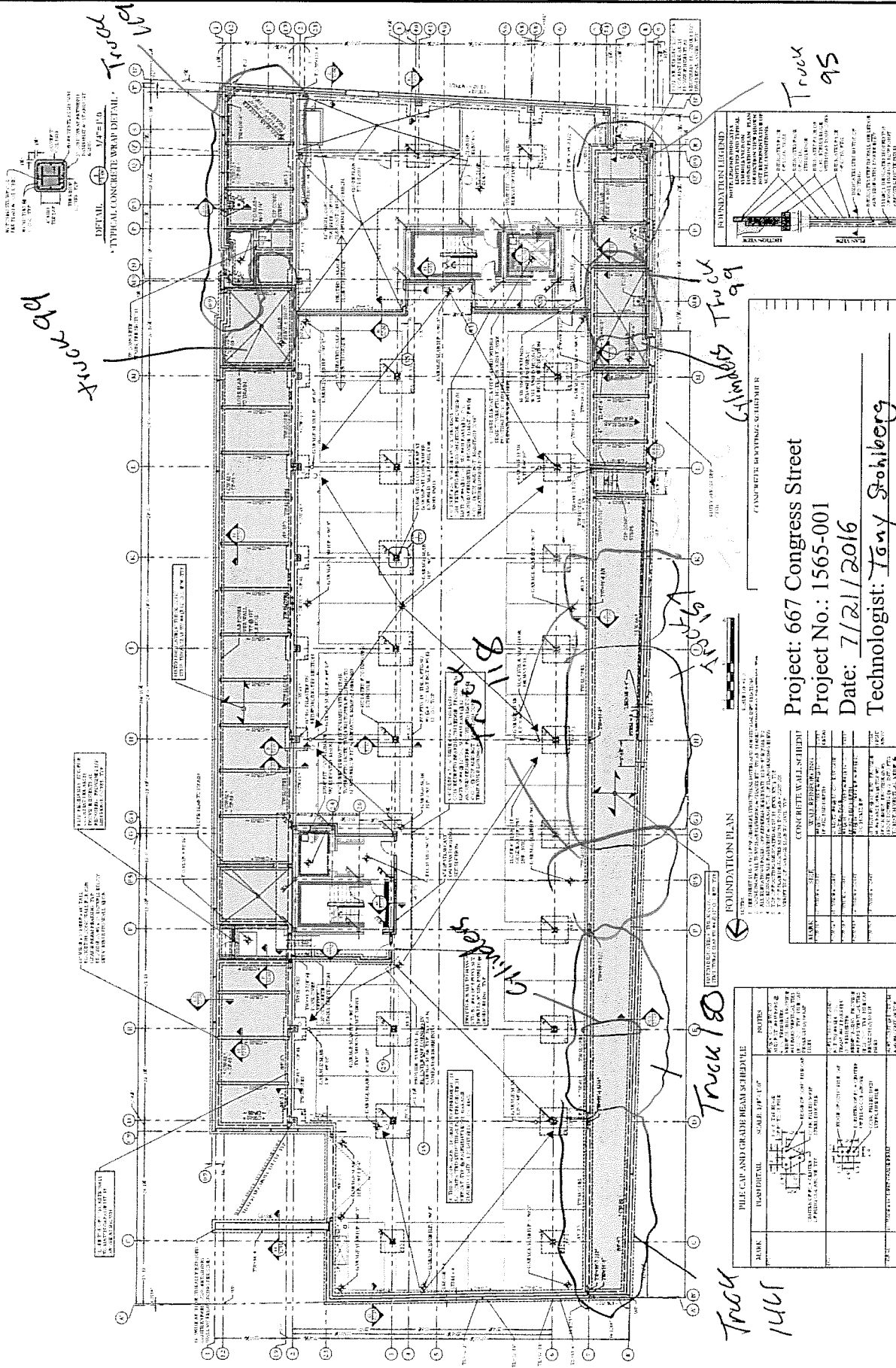


667 CONGRESS STREET  
APARTMENTS  
PORTLAND, MAINE



PROJECT NO. 1565-001  
DATE 7/21/2016  
DRAWN BY [Redacted]  
CHECKED BY [Redacted]  
SCALE AS SHOWN  
SHEET NO. 1 OF 1  
FOUNDATION PLAN

\$1.00



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

FOUNDATION PLAN

CONCRETE WALL SCHEDULE

MARK	THICKNESS	WEIGHT	REINFORCEMENT	NOTES
1	12"	120	4#4 @ 12"	...
2	12"	120	4#4 @ 12"	...
3	12"	120	4#4 @ 12"	...
4	12"	120	4#4 @ 12"	...
5	12"	120	4#4 @ 12"	...
6	12"	120	4#4 @ 12"	...
7	12"	120	4#4 @ 12"	...
8	12"	120	4#4 @ 12"	...
9	12"	120	4#4 @ 12"	...
10	12"	120	4#4 @ 12"	...

PILE CAP AND GRADE BEAM SCHEDULE

MARK	CROSS SECTION	NOTES
1	12" x 12"	...
2	12" x 12"	...
3	12" x 12"	...
4	12" x 12"	...
5	12" x 12"	...
6	12" x 12"	...
7	12" x 12"	...
8	12" x 12"	...
9	12" x 12"	...
10	12" x 12"	...

Structural Integrity  
CORROSION PROTECTION  
REINFORCEMENT



**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:	August 8, 2016	Project No.:	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:

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- 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**

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

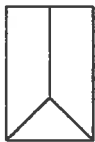
Field Cure Days: 2  
 Date Received: 7/29/2016  
 Condition of Cylinders: Good  
 Curing Temperatures: 72 °F to 86 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



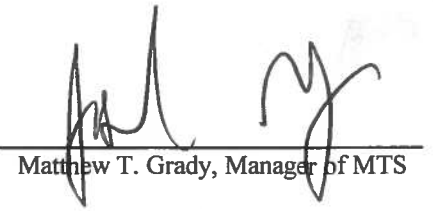
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*For*   
 Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

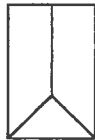
Field Cure Days: 2  
 Date Received: 7/29/2016  
 Condition of Cylinders: Good  
 Curing Temperatures: 72 °F to 86 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Matthew T. Grady*  
 For Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**



667 CONGRESS STREET  
APARTMENTS  
PORTLAND, MAINE

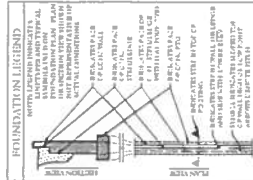
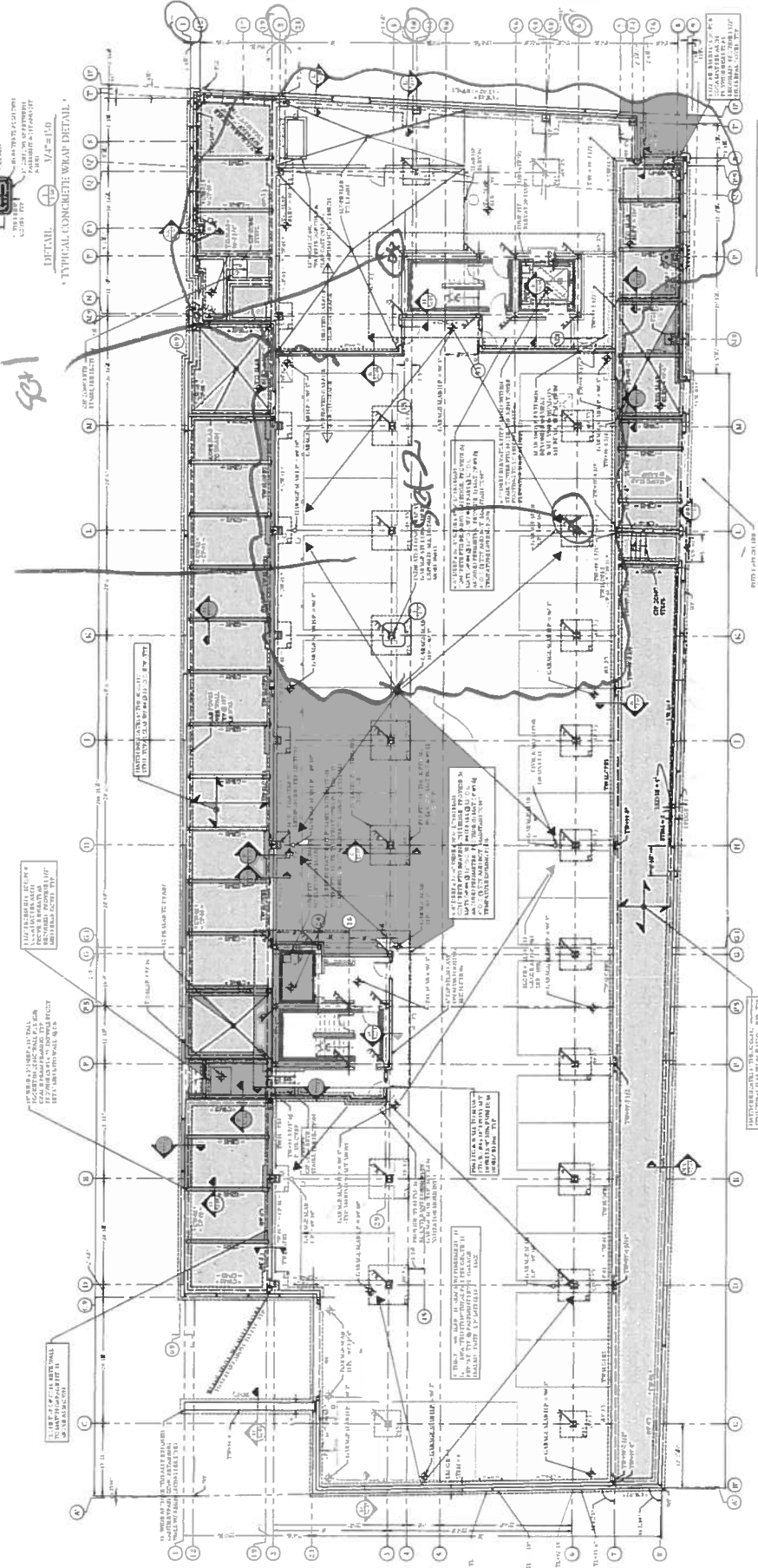


RSA ARCHITECTURE  
ARCHITECTS  
1000 BROADWAY  
PORTLAND, ME 04101  
TEL: 603.761.1111  
WWW.RSAARCHITECTS.COM

CONTRACT NO. 1565-001  
PROJECT NO. 1565-001  
DATE: 7/27/2016  
DESIGNED BY: ACJ  
CHECKED BY: ACJ  
SCALE: AS NOTED  
SHEET TITLE: FOUNDATION PLAN

**\$1.00**

Slab



**FOUNDATION PLAN**

PROJECT: 667 Congress Street  
PROJECT NO.: 1565-001  
DATE: 7/27/2016  
TECHNOLOGIST: Tony Stollas

MARK	DESCRIPTION	DATE
1	FOUNDATION PLAN	7/27/2016
2	FOUNDATION PLAN	7/27/2016
3	FOUNDATION PLAN	7/27/2016
4	FOUNDATION PLAN	7/27/2016
5	FOUNDATION PLAN	7/27/2016
6	FOUNDATION PLAN	7/27/2016
7	FOUNDATION PLAN	7/27/2016
8	FOUNDATION PLAN	7/27/2016
9	FOUNDATION PLAN	7/27/2016
10	FOUNDATION PLAN	7/27/2016
11	FOUNDATION PLAN	7/27/2016
12	FOUNDATION PLAN	7/27/2016
13	FOUNDATION PLAN	7/27/2016
14	FOUNDATION PLAN	7/27/2016
15	FOUNDATION PLAN	7/27/2016
16	FOUNDATION PLAN	7/27/2016
17	FOUNDATION PLAN	7/27/2016
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20	FOUNDATION PLAN	7/27/2016
21	FOUNDATION PLAN	7/27/2016
22	FOUNDATION PLAN	7/27/2016
23	FOUNDATION PLAN	7/27/2016
24	FOUNDATION PLAN	7/27/2016
25	FOUNDATION PLAN	7/27/2016
26	FOUNDATION PLAN	7/27/2016
27	FOUNDATION PLAN	7/27/2016
28	FOUNDATION PLAN	7/27/2016
29	FOUNDATION PLAN	7/27/2016
30	FOUNDATION PLAN	7/27/2016
31	FOUNDATION PLAN	7/27/2016
32	FOUNDATION PLAN	7/27/2016
33	FOUNDATION PLAN	7/27/2016
34	FOUNDATION PLAN	7/27/2016
35	FOUNDATION PLAN	7/27/2016
36	FOUNDATION PLAN	7/27/2016
37	FOUNDATION PLAN	7/27/2016
38	FOUNDATION PLAN	7/27/2016
39	FOUNDATION PLAN	7/27/2016
40	FOUNDATION PLAN	7/27/2016
41	FOUNDATION PLAN	7/27/2016
42	FOUNDATION PLAN	7/27/2016
43	FOUNDATION PLAN	7/27/2016
44	FOUNDATION PLAN	7/27/2016
45	FOUNDATION PLAN	7/27/2016
46	FOUNDATION PLAN	7/27/2016
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82	FOUNDATION PLAN	7/27/2016
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92	FOUNDATION PLAN	7/27/2016
93	FOUNDATION PLAN	7/27/2016
94	FOUNDATION PLAN	7/27/2016
95	FOUNDATION PLAN	7/27/2016
96	FOUNDATION PLAN	7/27/2016
97	FOUNDATION PLAN	7/27/2016
98	FOUNDATION PLAN	7/27/2016
99	FOUNDATION PLAN	7/27/2016
100	FOUNDATION PLAN	7/27/2016



Structural Integrity  
1000 BROADWAY  
PORTLAND, ME 04101  
TEL: 603.761.1111  
WWW.STRUCTURALINTEGRITY.COM





**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**

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

Date:	September 12, 2016	Project No.:	1565-001
Attention:	Blaine Buck (bbuck@cordjiacpg.com)		
Re:	Concrete Testing 667 Congress Street Apartments Project Portland, ME 04101		

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**

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

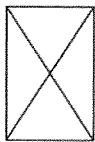
Load Number:	3 of 10	Number of 4x8 Cylinders:	4
Ticket Number:	295920	Cast By:	Anthony G. Stohlberg
Truck Number:	160	Slump:	ASTM C 143 5.50 in.
Cubic Yards:	10	Air Temperature:	78 °F
Total Yardage:	100	Concrete Temperature:	81.9 °F
Total Time (minutes):	97	Air Content:	ASTM C 231 2.3 %

**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 <sup>2</sup> )	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



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

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



**R.W. GILLESPIE & ASSOCIATES, INC**

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

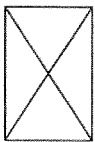
Load Number:	7 of 10	Number of 4x8 Cylinders:	4
Ticket Number:	295932	Cast By:	Anthony G. Stohlberg
Truck Number:	160	Slump:	ASTM C 143 5.50 in.
Cubic Yards:	10	Air Temperature:	85 °F
Total Yardage:	100	Concrete Temperature:	81.5 °F
Total Time (minutes):	88	Air Content:	ASTM C 231 1.6 %

**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 <sup>2</sup> )	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



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

  
 Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC



667 CONGRESS STREET  
APARTMENTS  
PORTLAND, MAINE



RYAN DEMATORE  
ARCHITECTURE  
1565 CONGRESS ST  
PORTLAND, ME 04101  
www.rsaarch.com

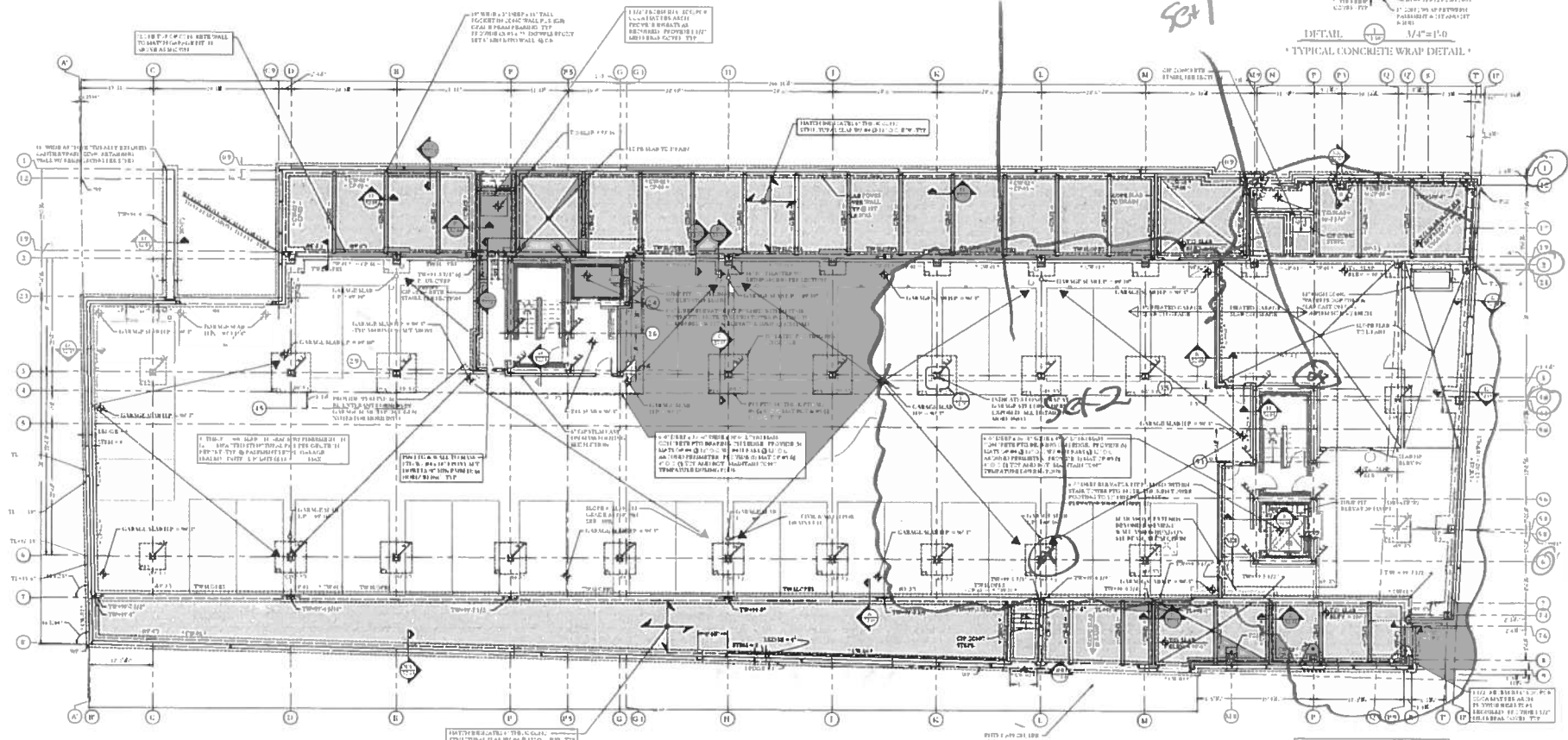
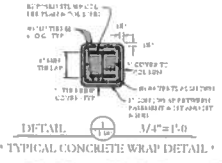
DATE: 2 NOVEMBER 2015  
PROJECT NO.: 1565  
DRAWN BY: ACA  
CHECKED BY: ACA  
SCALE: AS NOTED

SHEET TITLE  
FOUNDATION  
PLAN

**\$1.00**

Slab

scr1



**PILE CAP AND GRADE BEAM SCHEDULE**

MARK	PLAN DETAIL	SCALE 1/8" = 1'-0"	NOTES
101			1. PILE CAP AND GRADE BEAM TO BE CONCRETE 2. REINFORCEMENT TO BE AS SHOWN 3. SEE FOUNDATION PLAN FOR PILE CAP AND GRADE BEAM LOCATION
102			1. PILE CAP AND GRADE BEAM TO BE CONCRETE 2. REINFORCEMENT TO BE AS SHOWN 3. SEE FOUNDATION PLAN FOR PILE CAP AND GRADE BEAM LOCATION
103			1. PILE CAP AND GRADE BEAM TO BE CONCRETE 2. REINFORCEMENT TO BE AS SHOWN 3. SEE FOUNDATION PLAN FOR PILE CAP AND GRADE BEAM LOCATION

**FOUNDATION PLAN**

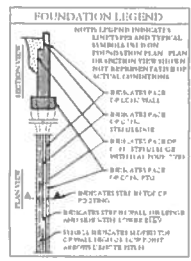
NOTES:

1. FOUNDATION SHALL BE CONCRETE ON GRADE.
2. ALL FOUNDATION SHALL BE REINFORCED WITH #4 REINFORCEMENT.
3. CONCRETE SHALL BE 3000 PSI STRENGTH.
4. ALL FOUNDATION SHALL BE FINISHED WITH 1" OF 1500 PSI CONCRETE.
5. ALL FOUNDATION SHALL BE FINISHED WITH 1" OF 1500 PSI CONCRETE.
6. ALL FOUNDATION SHALL BE FINISHED WITH 1" OF 1500 PSI CONCRETE.

**CONCRETE WALL SCHEDULE**

MARK	THICKNESS	FINISH	REINFORCEMENT
101	12"	SMOOTH	#4 @ 12"
102	12"	SMOOTH	#4 @ 12"
103	12"	SMOOTH	#4 @ 12"

Project: 667 Congress Street  
Project No.: 1565-001  
Date: 7/27/2016  
Technologist: Tony Stollberg





**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:	September 1, 2016	Project No.:	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:

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- 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**

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

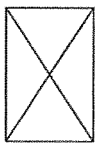
Load Number:	3 of 11	Number of 4x8 Cylinders:	4
Ticket Number:	282358	Cast By:	Anthony G. Stohlberg
Truck Number:	101	Slump:	ASTM C 143 6.00 in.
Cubic Yards:	11	Air Temperature:	72 °F
Total Yardage:	103	Concrete Temperature:	76.3 °F
Total Time (minutes):	83	Air Content:	ASTM C 231 2.0 %

**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 <sup>2</sup> )	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			



Cone  
1



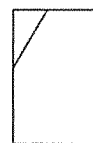
Cone & Split  
2



Columnar  
3



Shear  
4



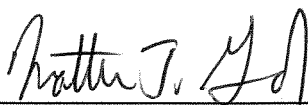
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

  
 Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

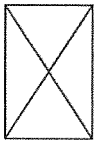
Load Number:	7 of 11	Number of 4x8 Cylinders:	4
Ticket Number:	282367	Cast By:	Anthony G. Stohlberg
Truck Number:	101	Slump:	ASTM C 143 6.00 in.
Cubic Yards:	10	Air Temperature:	74 °F
Total Yardage:	103	Concrete Temperature:	78.3 °F
Total Time (minutes):	72	Air Content:	ASTM C 231 2.2 %

**Specimen Storage ASTM C 31**

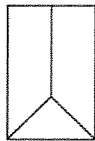
Field Cure Days: 1  
 Date Received: 8/3/2016  
 Condition of Cylinders: Good  
 Curing Temperatures: 69 °F to 82 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



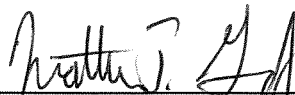
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

  
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

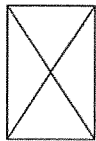
Load Number:	1 of 1	Number of 4x8 Cylinders:	4
Ticket Number:	282382	Cast By:	Anthony G. Stohlberg
Truck Number:	83	Slump:	ASTM C 143 6.50 in.
Cubic Yards:	8	Air Temperature:	83 °F
Total Yardage:	8	Concrete Temperature:	81.3 °F
Total Time (minutes):	60	Air Content:	ASTM C 231 4.5 %

**Specimen Storage ASTM C 31**

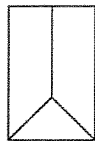
Field Cure Days: 1  
 Date Received: 8/3/2016  
 Condition of Cylinders: Good  
 Curing Temperatures: 69 °F to 82 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	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			



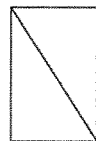
Cone  
1



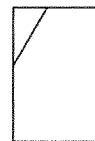
Cone & Split  
2



Columnar  
3



Shear  
4

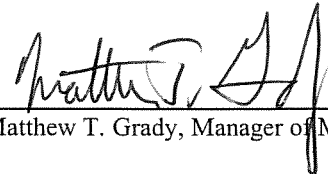


Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:   
 Matthew T. Grady, Manager of MTS







667 CONGRESS STREET  
 APARTMENTS  
 PORTLAND, MAINE

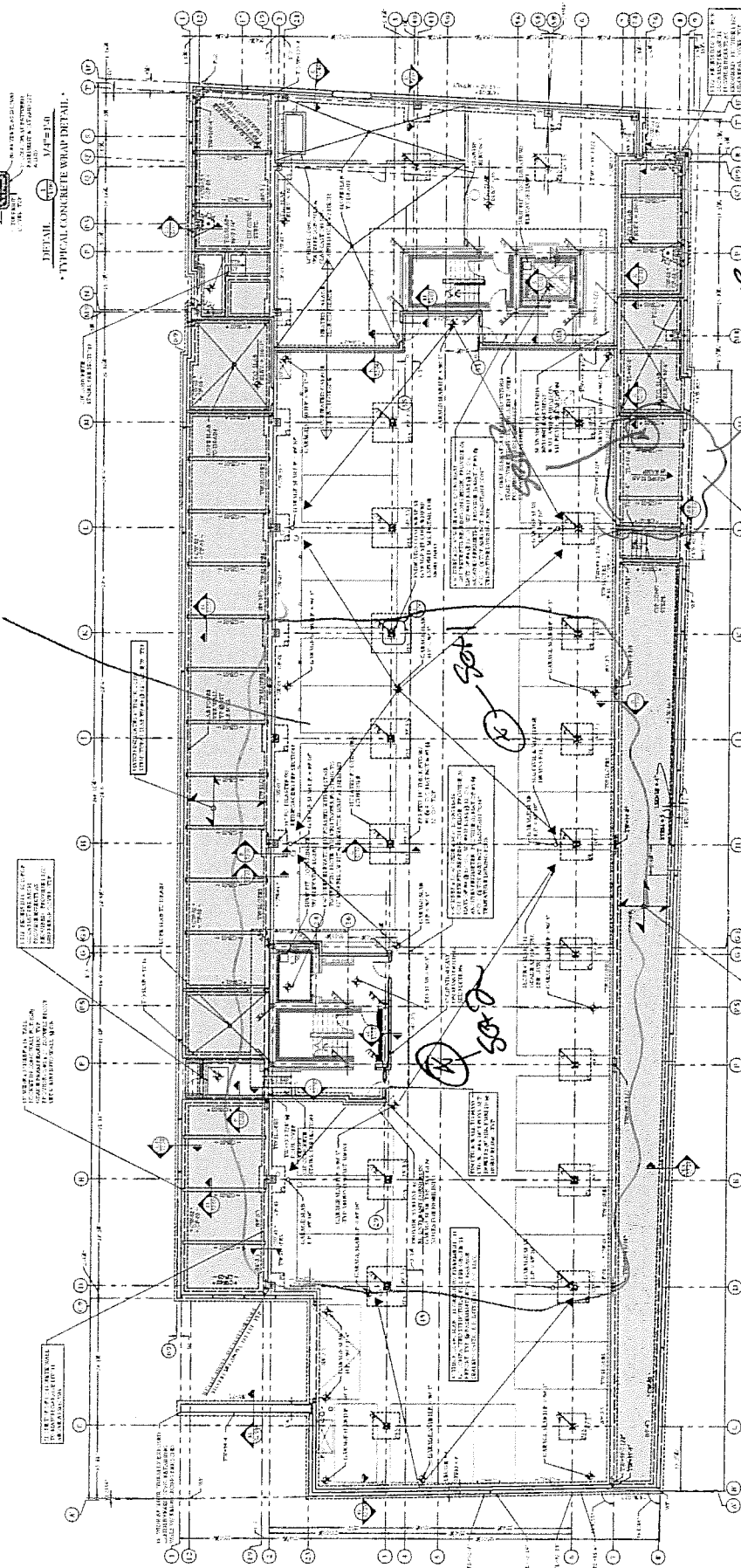
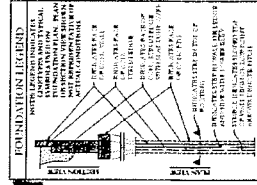
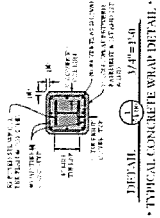
**RSA**  
 ARCHITECTURE

PROJECT NO. 1565-001  
 SHEET NO. 100  
 DATE 8/2/2016

FOUNDATION PLAN

**\$1.00**

*2nd Floor Slab*



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

MARK	DESCRIPTION	DATE
1	FOUNDATION WALL	8/2/2016
2	FOUNDATION SLAB	8/2/2016
3	FOUNDATION COLUMN	8/2/2016
4	FOUNDATION BEAM	8/2/2016
5	FOUNDATION FOOTING	8/2/2016
6	FOUNDATION WALL	8/2/2016
7	FOUNDATION SLAB	8/2/2016
8	FOUNDATION COLUMN	8/2/2016
9	FOUNDATION BEAM	8/2/2016
10	FOUNDATION FOOTING	8/2/2016
11	FOUNDATION WALL	8/2/2016
12	FOUNDATION SLAB	8/2/2016
13	FOUNDATION COLUMN	8/2/2016
14	FOUNDATION BEAM	8/2/2016
15	FOUNDATION FOOTING	8/2/2016

MARK	DESCRIPTION	DATE
1	FOUNDATION WALL	8/2/2016
2	FOUNDATION SLAB	8/2/2016
3	FOUNDATION COLUMN	8/2/2016
4	FOUNDATION BEAM	8/2/2016
5	FOUNDATION FOOTING	8/2/2016
6	FOUNDATION WALL	8/2/2016
7	FOUNDATION SLAB	8/2/2016
8	FOUNDATION COLUMN	8/2/2016
9	FOUNDATION BEAM	8/2/2016
10	FOUNDATION FOOTING	8/2/2016
11	FOUNDATION WALL	8/2/2016
12	FOUNDATION SLAB	8/2/2016
13	FOUNDATION COLUMN	8/2/2016
14	FOUNDATION BEAM	8/2/2016
15	FOUNDATION FOOTING	8/2/2016

Structural Integrity  
 CONSULTING ENGINEERS

PROJECT NO. 1565-001  
 SHEET NO. 100  
 DATE 8/2/2016

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

Structural Integrity  
 CONSULTING ENGINEERS



**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:	August 15, 2016	Project No.:	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:

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- 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**

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

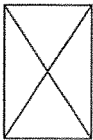
Load Number:	3 of 10	Number of 4x8 Cylinders:	4
Ticket Number:	282399	Cast By:	Anthony G. Stohlberg
Truck Number:	98	Slump:	ASTM C 143 5.00 in.
Cubic Yards:	10	Air Temperature:	80 °F
Total Yardage:	100	Concrete Temperature:	ASTM C1064 81.7 °F
Total Time (minutes):	84	Air Content:	ASTM C 231 2.7 %

**Specimen Storage ASTM C 31**

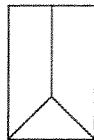
Field Cure Days: 1  
 Date Received: 8/4/2016  
 Condition of Cylinders: Good  
 Curing Temperatures: 71 °F to 90 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Matthew T. Grady*  
 For Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

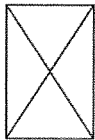
Load Number:	7 of 10	Number of 4x8 Cylinders:	4
Ticket Number:	282414	Cast By:	Anthony G. Stohlberg
Truck Number:	102	Slump:	ASTM C 143 5.75 in.
Cubic Yards:	10	Air Temperature:	80 °F
Total Yardage:	100	Concrete Temperature:	ASTM C1064 83.5 °F
Total Time (minutes):	78	Air Content:	ASTM C 231 2.0 %

**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 <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Matthew T. Grady*  
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**



**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**

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

Date: September 13, 2016	Project No.: 1565-001
Attention: Blaine Buck (bbuck@cordjiacpg.com)	
Re: Concrete Testing 667 Congress Street Apartments Project Portland, ME 04101	

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).

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- 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**

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

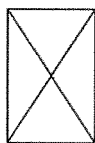
Load Number:	3 of 10	Number of 4x8 Cylinders:	4
Ticket Number:	282399	Cast By:	Anthony G. Stohlberg
Truck Number:	98	Slump:	ASTM C 143 5.00 in.
Cubic Yards:	10	Air Temperature:	80 °F
Total Yardage:	100	Concrete Temperature:	ASTM C1064 81.7 °F
Total Time (minutes):	84	Air Content:	ASTM C 231 2.7 %

**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 <sup>2</sup> )	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



Cone  
1



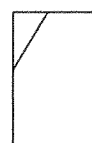
Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

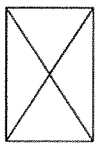
Load Number:	7 of 10	Number of 4x8 Cylinders:	4
Ticket Number:	282414	Cast By:	Anthony G. Stohlberg
Truck Number:	102	Slump:	ASTM C 143 5.75 in.
Cubic Yards:	10	Air Temperature:	80 °F
Total Yardage:	100	Concrete Temperature:	ASTM C1064 83.5 °F
Total Time (minutes):	78	Air Content:	ASTM C 231 2.0 %

**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 <sup>2</sup> )	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



Cone  
1



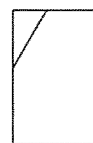
Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**



**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**

<b>Date:</b> September 8, 2016	<b>Project No.:</b> 1565-001
<b>Attention:</b> Blaine Buck (bbuck@cordjiacpg.com)	
<b>Re:</b> 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:

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- 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**

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

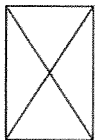
Load Number:	3 of 11	Number of 4x8 Cylinders:	4
Ticket Number:	282457	Cast By:	Anthony G. Stohlberg
Truck Number:	137	Slump:	ASTM C 143 5.50 in.
Cubic Yards:	10	Air Temperature:	80 °F
Total Yardage:	105	Concrete Temperature:	ASTM C1064 78.8 °F
Total Time (minutes):	76	Air Content:	ASTM C 231 2.4 %

**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 <sup>2</sup> )	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



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Matthew T. Grady*  
 Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

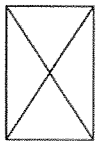
Load Number:	7 of 11	Number of 4x8 Cylinders:	4
Ticket Number:	282463	Cast By:	Anthony G. Stohlberg
Truck Number:	137	Slump:	ASTM C 143 6.50 in.
Cubic Yards:	10	Air Temperature:	85 °F
Total Yardage:	105	Concrete Temperature:	ASTM C1064 77.7 °F
Total Time (minutes):	72	Air Content:	ASTM C 231 2.2 %

**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 <sup>2</sup> )	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



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



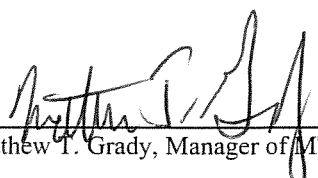
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

  
 Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC



667 CONGRESS STREET  
 APARTMENTS  
 PORTLAND, MAINE

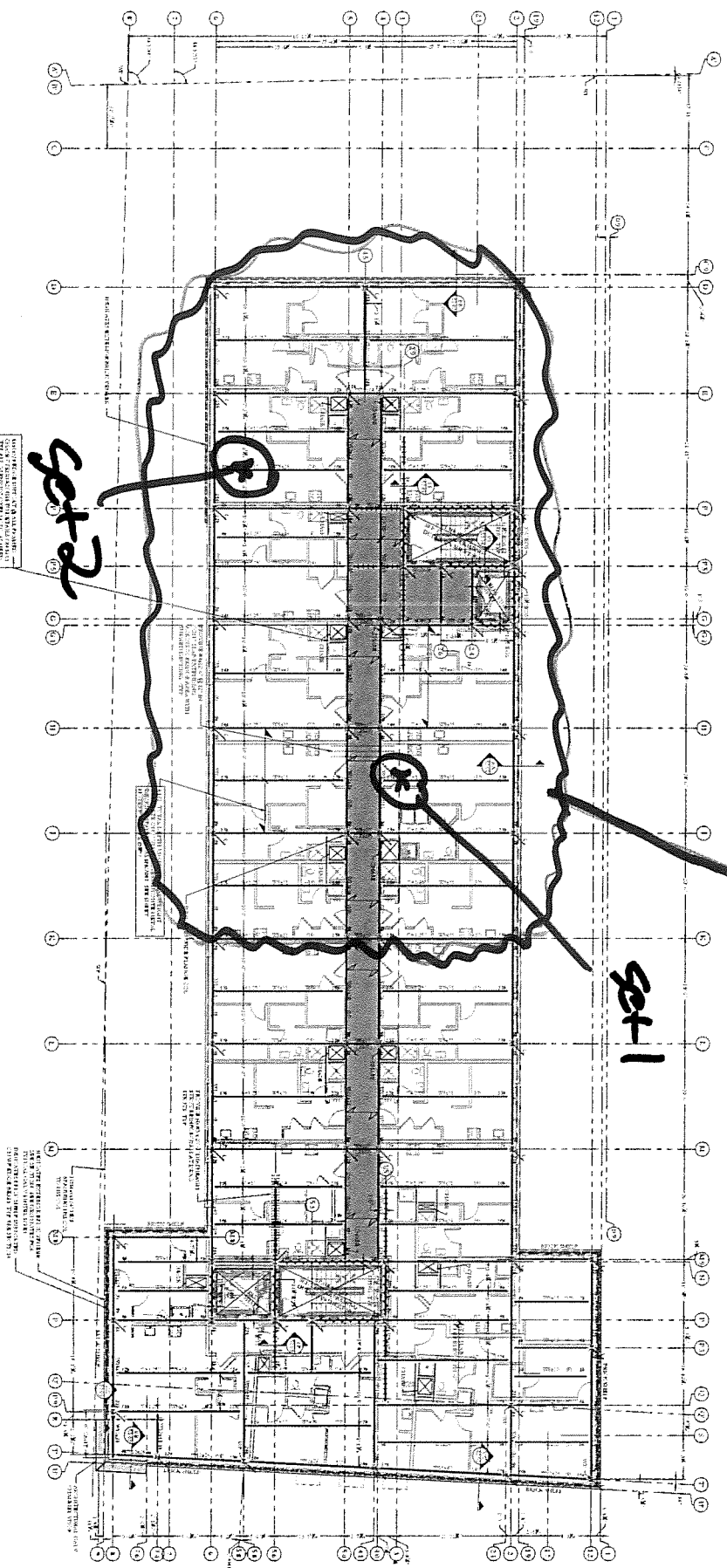


REVISIONS

NO.	DATE	DESCRIPTION

DATE: 8/18/2016  
 PROJECT NO.: 1565-001  
 PROJECT: 667 CONGRESS STREET  
 3RD FLOOR FRAMING PLAN

S1.03

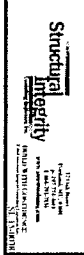


3RD FLOOR FRAMING PLAN

- 1. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.
- 2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
- 3. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
- 4. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
- 5. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
- 6. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
- 7. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
- 8. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
- 9. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
- 10. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
- 11. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
- 12. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
- 13. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
- 14. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
- 15. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
- 16. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
- 17. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
- 18. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
- 19. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
- 20. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.

FRAMING KEY

SYMBOL	DESCRIPTION





**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**

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

Date: September 8, 2016	Project No.: 1565-001
Attention: Blaine Buck (bbuck@cordjiacpg.com)	
Re: Concrete Testing 667 Congress Street Apartments Project Portland, ME 04101	

We are sending you attached Concrete Cylinder Test Results.	
Cylinder No. (s)	Age (Days)
84423	28
84424	28
84427	28
84428	28

Remarks:

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- 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**

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

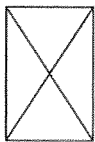
Load Number:	3 of 10	Number of 4x8 Cylinders:	4
Ticket Number:	282483	Cast By:	Anthony G. Stohlberg
Truck Number:	157	Slump:	ASTM C 143 6.00 in.
Cubic Yards:	10	Air Temperature:	80 °F
Total Yardage:	94	Concrete Temperature:	ASTM C1064 79.5 °F
Total Time (minutes):	69	Air Content:	ASTM C 231 2.2 %

**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 <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



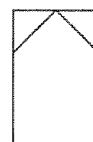
Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Matthew T. Grady*  
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

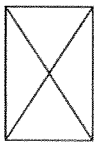
Load Number:	7 of 10	Number of 4x8 Cylinders:	4
Ticket Number:	282489	Cast By:	Anthony G. Stohlberg
Truck Number:	157	Slump:	ASTM C 143 6.50 in.
Cubic Yards:	10	Air Temperature:	80 °F
Total Yardage:	94	Concrete Temperature:	ASTM C1064 78.8 °F
Total Time (minutes):	59	Air Content:	ASTM C 231 2.1 %

**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 <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



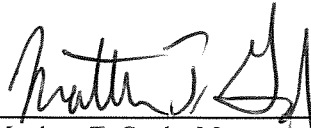
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

  
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**



667 CONGRESS STREET  
APARTMENTS  
PORTLAND, MAINE

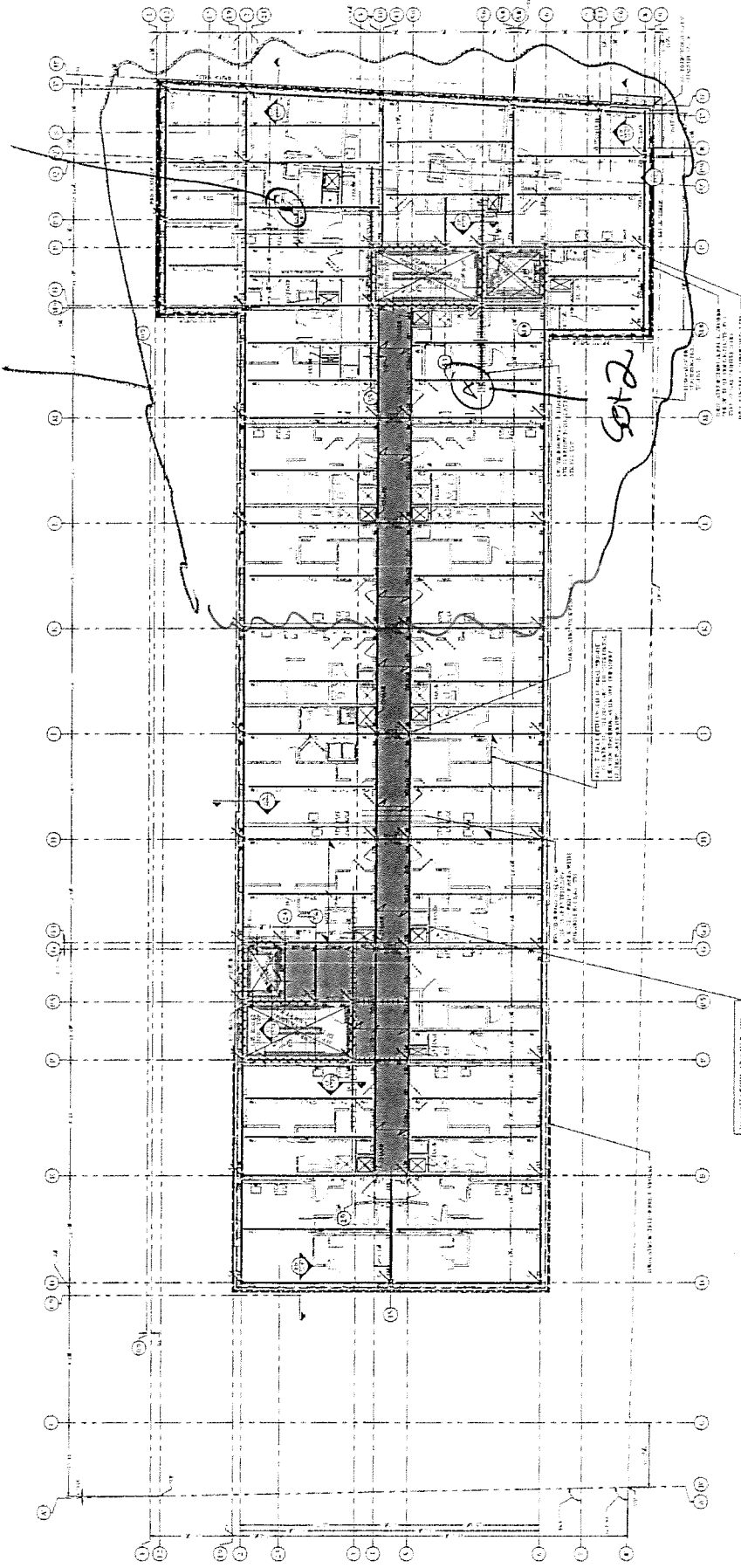


**RSA**  
ARCHITECTURE  
1000 State Street  
Portland, ME 04101  
Tel: 603.761.1111  
Fax: 603.761.1112  
www.rsaarch.com

DATE: 8/19/2016  
PROJECT: 667 CONGRESS ST  
DRAWN BY: JAC  
CHECKED BY: JAC  
CLIENT: RSA  
SCALE: AS SHOWN  
SHEET NO: 3RD FLOOR  
FRAMING PLAN

**\$1.03**

*Row*  
*Col 1*



**FRAMING KEY**

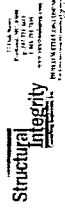
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**3RD FLOOR FRAMING PLAN**

THIS DRAWING IS A PART OF THE ARCHITECTURAL RECORD FOR THE PROJECT. IT IS THE PROPERTY OF RSA ARCHITECTURE AND SHOULD NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF RSA ARCHITECTURE.

DATE: 8/19/2016  
PROJECT: 667 CONGRESS ST  
DRAWN BY: JAC  
CHECKED BY: JAC  
CLIENT: RSA  
SCALE: AS SHOWN  
SHEET NO: 3RD FLOOR  
FRAMING PLAN

Project: 667 Congress Street  
Project No.: 1565-001  
Date: 8/19/2016  
Technologist: *Tony Stohberg*





**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**

Cordjia Capital Projects Group  

---

PO Box 1367  

---

Camden, Maine 04843  

---

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

We are sending you attached Concrete Cylinder Test Results.	
Cylinder No. (s)	Age (Days)
84512	7
84516	7

Remarks:

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- 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**

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

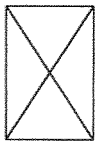
Load Number:	1 of 10	Number of 4x8 Cylinders:	8
Ticket Number:	290600	Cast By:	Patrick J. Roma
Truck Number:	156	Slump:	ASTM C 143 5.50 in.
Cubic Yards:	10	Air Temperature:	70 °F
Total Yardage:	100	Concrete Temperature:	ASTM C1064 74 °F
Total Time (minutes):	63	Air Content:	ASTM C 231 2.0 %

**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 <sup>2</sup> )	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			



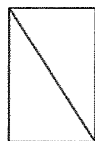
Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



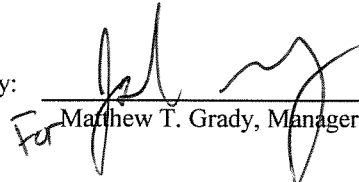
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*For*   
 Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

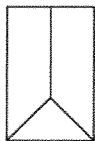
Field Cure Days: 1  
 Date Received: 8/12/2016  
 Condition of Cylinders: Good

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Matthew T. Grady*  
 For Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC



**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**

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

Date: September 13, 2016	Project No.: 1565-001
Attention: Blaine Buck (bbuck@cordjiacpg.com)	
Re: Concrete Testing 667 Congress Street Apartments Project Portland, ME 04101	

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:

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- 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**

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

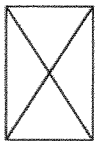
Load Number:	1 of 10	Number of 4x8 Cylinders:	8
Ticket Number:	290600	Cast By:	Patrick J. Roma
Truck Number:	156	Slump:	ASTM C 143 5.50 in.
Cubic Yards:	10	Air Temperature:	70 °F
Total Yardage:	100	Concrete Temperature:	ASTM C1064 74 °F
Total Time (minutes):	63	Air Content:	ASTM C 231 2.0 %

**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)

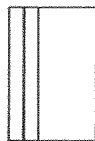
Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84512	8/18/2016	4.02	12.68	7	54485	4300	3
84513	9/8/2016	4.01	12.61	28	60400	4790	5
84514	9/8/2016	4.01	12.61	28	63885	5070	5
84515	9/8/2016	4.01	12.61	28	65875	5220	3



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4

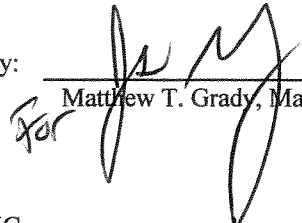


Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:   
 Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

<b>Project Name:</b>	667 Congress St. Apartments Project	<b>Date Cylinders Cast:</b>	Thursday, August 11, 2016
<b>Project No:</b>	1565-001	<b>Concrete Supplier:</b>	Auburn Concrete
<b>Client:</b>	Cordjia Capital Projects Group	<b>Design Strength:</b>	3500 psi
<b>Weather Conditions:</b>	Sunny	<b>Max. Aggregate Size:</b>	3/4 inch
<b>Placement Method:</b>	Pump	<b>Admixtures:</b>	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 <sup>2</sup> )	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



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



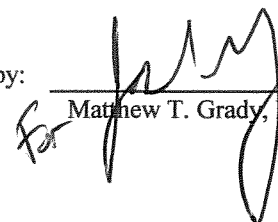
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*for*  \_\_\_\_\_  
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**



**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:	September 16, 2016	Project No.:	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:

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- 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**

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

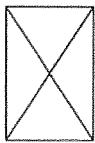
Load Number:	2 of 4	Number of 4x8 Cylinders:	4
Ticket Number:	294517	Cast By:	Anthony G. Stohlberg
Truck Number:	102	Slump:	ASTM C 143 6.50 in.
Cubic Yards:	9.5	Air Temperature:	68 °F
Total Yardage:	38	Concrete Temperature:	ASTM C1064 77 °F
Total Time (minutes):	82	Air Content:	ASTM C 231 2.8 %

**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 <sup>2</sup> )	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



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

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



**R.W. GILLESPIE & ASSOCIATES, INC**

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

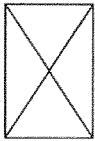
Load Number:	3 of 6	Number of 4x8 Cylinders:	4
Ticket Number:	294531	Cast By:	Anthony G. Stohlberg
Truck Number:	119	Slump:	ASTM C 143 7.00 in.
Cubic Yards:	10	Air Temperature:	75 °F
Total Yardage:	38	Concrete Temperature:	ASTM C1064 82.1 °F
Total Time (minutes):	65	Air Content:	ASTM C 231 7.5 %

**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 <sup>2</sup> )	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



Cone  
1



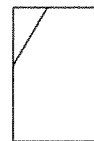
Cone & Split  
2



Columnar  
3



Shear  
4



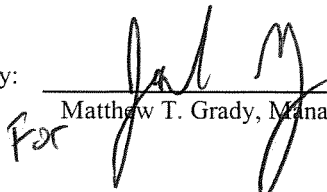
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by: \_\_\_\_\_

For  Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC



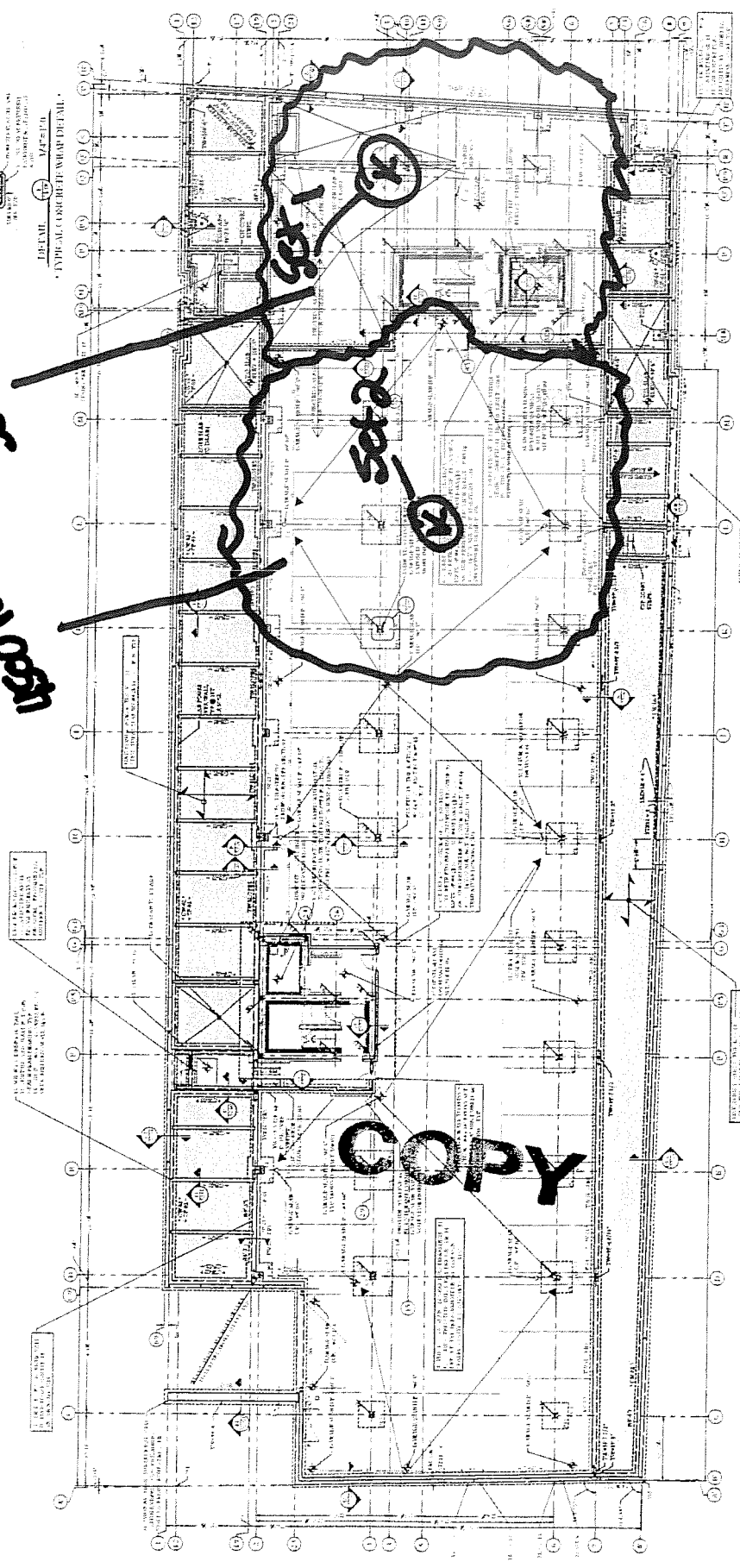


667 CONGRESS STREET  
 APARTMENTS  
 PORTLAND, MAINE

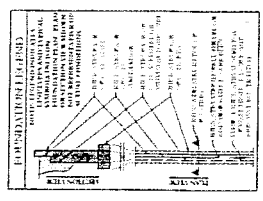
**RSA**  
 ARCHITECTURE  
 1000 BROADWAY  
 PORTLAND, ME 04102  
 TEL: 603.771.1111  
 FAX: 603.771.1112  
 WWW.RSAARCHITECTURE.COM

**\$1.00**

*667 Congress St*  
*667 Congress St*



**COPY**



**FOUNDATION PLAN**

PROJECT: 667 Congress Street  
 PROJECT NO.: 1565-001  
 DATE: 8/18/2016  
 TECHNOLOGIST: *Tony Stehlerberg*

NO.	DESCRIPTION	DATE
1	FOUNDATION PLAN	8/18/2016
2	FOUNDATION PLAN	8/18/2016
3	FOUNDATION PLAN	8/18/2016
4	FOUNDATION PLAN	8/18/2016
5	FOUNDATION PLAN	8/18/2016
6	FOUNDATION PLAN	8/18/2016
7	FOUNDATION PLAN	8/18/2016
8	FOUNDATION PLAN	8/18/2016
9	FOUNDATION PLAN	8/18/2016
10	FOUNDATION PLAN	8/18/2016
11	FOUNDATION PLAN	8/18/2016
12	FOUNDATION PLAN	8/18/2016
13	FOUNDATION PLAN	8/18/2016
14	FOUNDATION PLAN	8/18/2016
15	FOUNDATION PLAN	8/18/2016
16	FOUNDATION PLAN	8/18/2016
17	FOUNDATION PLAN	8/18/2016
18	FOUNDATION PLAN	8/18/2016
19	FOUNDATION PLAN	8/18/2016
20	FOUNDATION PLAN	8/18/2016
21	FOUNDATION PLAN	8/18/2016
22	FOUNDATION PLAN	8/18/2016
23	FOUNDATION PLAN	8/18/2016
24	FOUNDATION PLAN	8/18/2016
25	FOUNDATION PLAN	8/18/2016
26	FOUNDATION PLAN	8/18/2016
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30	FOUNDATION PLAN	8/18/2016
31	FOUNDATION PLAN	8/18/2016
32	FOUNDATION PLAN	8/18/2016
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34	FOUNDATION PLAN	8/18/2016
35	FOUNDATION PLAN	8/18/2016
36	FOUNDATION PLAN	8/18/2016
37	FOUNDATION PLAN	8/18/2016
38	FOUNDATION PLAN	8/18/2016
39	FOUNDATION PLAN	8/18/2016
40	FOUNDATION PLAN	8/18/2016
41	FOUNDATION PLAN	8/18/2016
42	FOUNDATION PLAN	8/18/2016
43	FOUNDATION PLAN	8/18/2016
44	FOUNDATION PLAN	8/18/2016
45	FOUNDATION PLAN	8/18/2016
46	FOUNDATION PLAN	8/18/2016
47	FOUNDATION PLAN	8/18/2016
48	FOUNDATION PLAN	8/18/2016
49	FOUNDATION PLAN	8/18/2016
50	FOUNDATION PLAN	8/18/2016

NO.	DESCRIPTION	DATE
1	FOUNDATION PLAN	8/18/2016
2	FOUNDATION PLAN	8/18/2016
3	FOUNDATION PLAN	8/18/2016
4	FOUNDATION PLAN	8/18/2016
5	FOUNDATION PLAN	8/18/2016
6	FOUNDATION PLAN	8/18/2016
7	FOUNDATION PLAN	8/18/2016
8	FOUNDATION PLAN	8/18/2016
9	FOUNDATION PLAN	8/18/2016
10	FOUNDATION PLAN	8/18/2016
11	FOUNDATION PLAN	8/18/2016
12	FOUNDATION PLAN	8/18/2016
13	FOUNDATION PLAN	8/18/2016
14	FOUNDATION PLAN	8/18/2016
15	FOUNDATION PLAN	8/18/2016
16	FOUNDATION PLAN	8/18/2016
17	FOUNDATION PLAN	8/18/2016
18	FOUNDATION PLAN	8/18/2016
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25	FOUNDATION PLAN	8/18/2016
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37	FOUNDATION PLAN	8/18/2016
38	FOUNDATION PLAN	8/18/2016
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42	FOUNDATION PLAN	8/18/2016
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44	FOUNDATION PLAN	8/18/2016
45	FOUNDATION PLAN	8/18/2016
46	FOUNDATION PLAN	8/18/2016
47	FOUNDATION PLAN	8/18/2016
48	FOUNDATION PLAN	8/18/2016
49	FOUNDATION PLAN	8/18/2016
50	FOUNDATION PLAN	8/18/2016

**Structural Integrity**  
 CONSULTING ENGINEERS  
 1000 BROADWAY  
 PORTLAND, ME 04102  
 TEL: 603.771.1111  
 FAX: 603.771.1112  
 WWW.STRUCTURALINTEGRITY.COM

PROJECT: 667 Congress Street  
 PROJECT NO.: 1565-001  
 DATE: 8/18/2016  
 TECHNOLOGIST: *Tony Stehlerberg*



**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 1, Mansfield, MA 508-623-0101

**LETTER OF TRANSMITTAL**

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

Date:	September 23, 2016	Project No.:	1565-001
Attention:	Blaine Buck (bbuck@cordjiacpg.com)		
Re:	Concrete Testing 667 Congress Street Apartments Project Portland, ME 04101		

We are sending you attached Concrete Cylinder Test Results.

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

Remarks:

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- 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@acom-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**

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

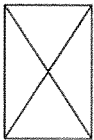
Load Number:	2 of 9	Number of 4x8 Cylinders:	4
Ticket Number:	294710	Cast By:	Mary E. Sanders
Truck Number:	98	Slump:	ASTM C 143 7.50 in.
Cubic Yards:	10	Air Temperature:	70 °F
Total Yardage:	87	Concrete Temperature:	ASTM C1064 80 °F
Total Time (minutes):	70	Air Content:	ASTM C 231 7.5 %

**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 <sup>2</sup> )	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			



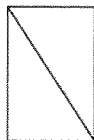
Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by: Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

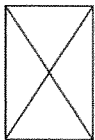
Load Number:	6 of 9	Number of 4x8 Cylinders:	4
Ticket Number:	294716	Cast By:	Mary E. Sanders
Truck Number:	101	Slump:	ASTM C 143 7.00 in.
Cubic Yards:	10	Air Temperature:	73 °F
Total Yardage:	87	Concrete Temperature:	ASTM C1064 80 °F
Total Time (minutes):	70	Air Content:	ASTM C 231 7.0 %

**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 <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Matthew T. Grady*

Matthew T. Grady, Manager of MTS



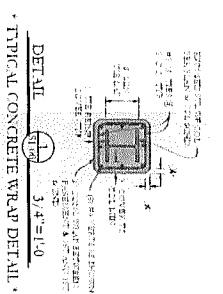
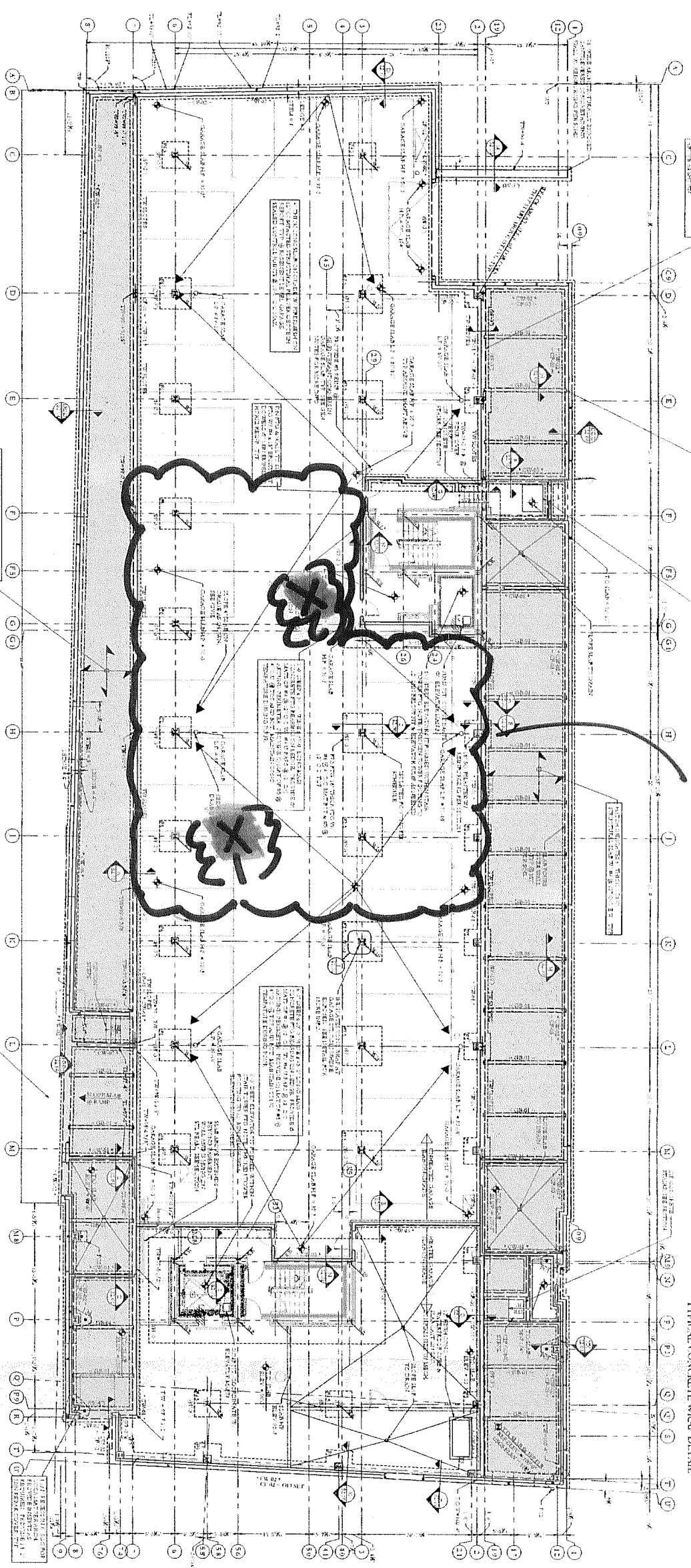
**R.W. GILLESPIE & ASSOCIATES, INC**

667 CONGRESS ST  
1565-001

08-24-2016  
MARN SANDERS

TEST  
CYL  
LOCATIONS

TEST  
PLACEMENT  
AREAS

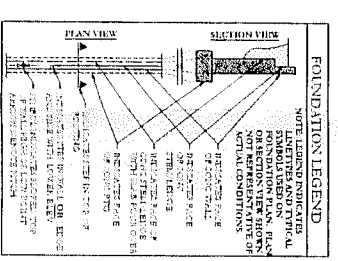


PILE CAP AND GRADE BEAM SCHEDULE		
MARK	PLAN DETAIL	SCALE
		1/8"=1'-0"
		NOTES

FOUNDATION PLAN

CONCRETE WALL SCHEDULE		
MARK	SIZE	WALL REINFORCING
		NOTES

CONCRETE FOOTING SCHEDULE		
MARK	SIZE	FOOTING REINFORCING
		NOTES

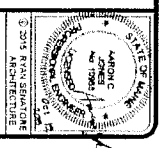


Structural Integrity  
ARCHITECTURE

DATE	12/08/2015
PROJECT NO.	1565-001
DRAWN BY	ML
CHECKED BY	MS
SCALE	AS SHOWN

**RSA**  
RISK STRATEGIC  
CONSULTANTS

667 CONGRESS STREET  
APARTMENTS  
PORTLAND, MAINE



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**

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

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

We are sending you attached Concrete Cylinder Test Results.

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

Remarks:

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- 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**

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

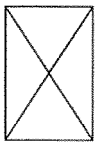
Load Number:	3 of 10	Number of 4x8 Cylinders:	4
Ticket Number:	291189	Cast By:	Mary E. Sanders
Truck Number:	84	Slump:	ASTM C 143 5.00 in.
Cubic Yards:	10	Air Temperature:	76 °F
Total Yardage:	96	Concrete Temperature:	ASTM C1064 78 °F
Total Time (minutes):	82	Air Content:	ASTM C 231 2.6 %

**Specimen Storage ASTM C 31**

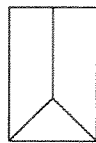
Field Cure Days: 4  
 Date Received: 8/30/2016  
 Condition of Cylinders: Good  
 Curing Temperatures: 75 °F to 90 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	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			



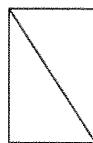
Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Matthew T. Grady*  
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

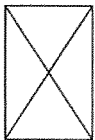
Date Received: 8/30/2016

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 <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

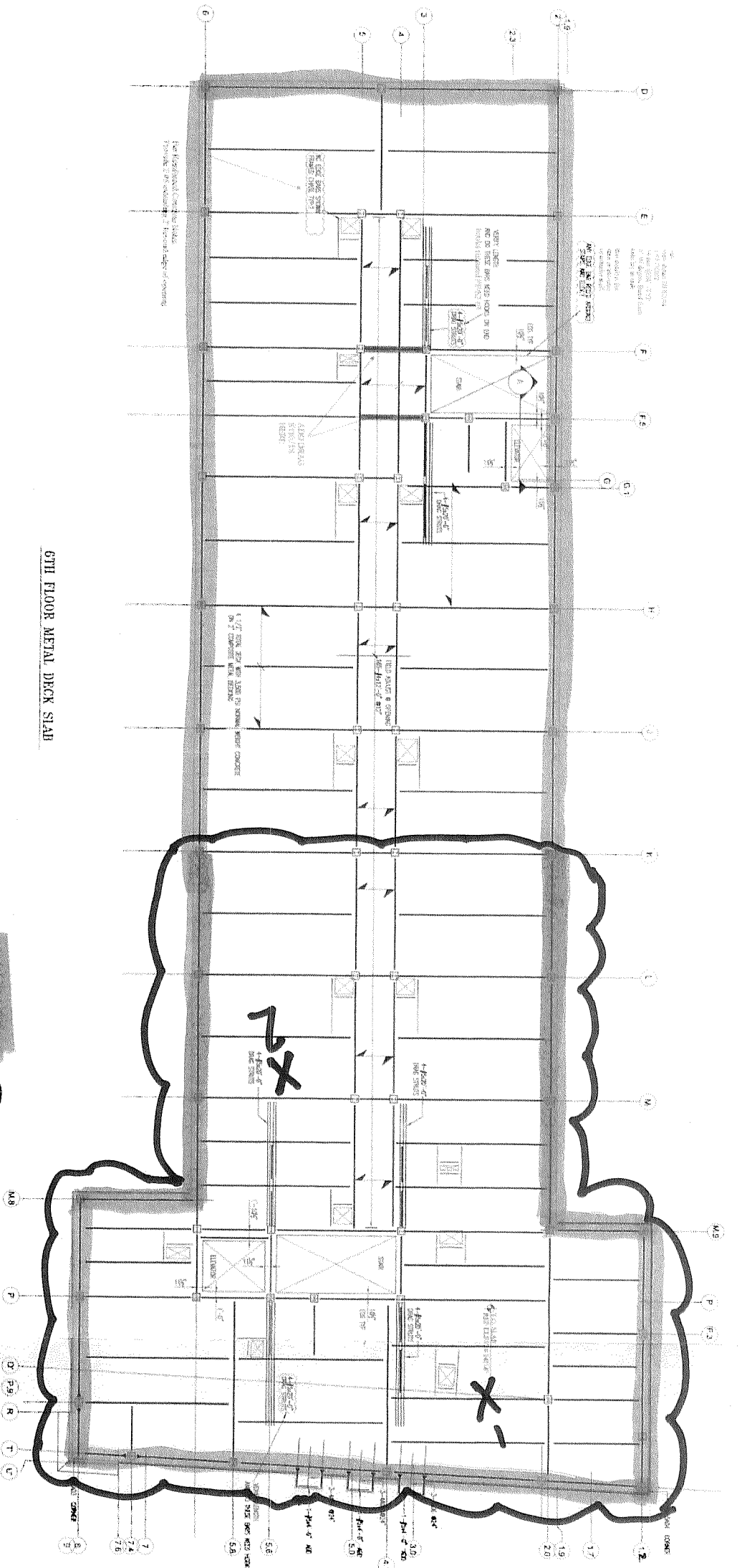
Checked by:

*Matthew T. Grady*  
 Matthew T. Grady, Manager of MTS  
 For

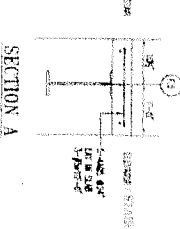
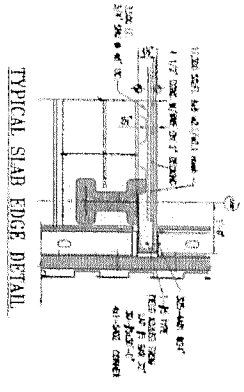


**R.W. GILLESPIE & ASSOCIATES, INC**





6TH FLOOR METAL DECK SLAB



NO.	DESCRIPTION	QTY	UNIT	REMARKS
1	1.0\"/>			
2	1.0\"/>			
3	1.0\"/>			
4	1.0\"/>			
5	1.0\"/>			
6	1.0\"/>			
7	1.0\"/>			
8	1.0\"/>			
9	1.0\"/>			
10	1.0\"/>			
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19	1.0\"/>			
20	1.0\"/>			
21	1.0\"/>			
22	1.0\"/>			
23	1.0\"/>			



CONCRETE PLACEMENT AREA



REBAR INSP.

TEST C/L LOCATIONS

1565-001  
 6/7 CONGRESS ST  
 @ 12/16  
 MBS

Project:	667 CONGRESS STREET
Discipline:	REBAR REINFORCEMENT
Drawn by:	MBS
Checked by:	MBS
Date:	07/27/16
Scale:	AS SHOWN
Sheet No.:	33305B(1)
Project No.:	1565-001
Drawn by:	MBS
Checked by:	MBS
Date:	07/27/16
Scale:	AS SHOWN
Sheet No.:	33305B(1)
Project No.:	1565-001



**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**

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

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

We are sending you attached Concrete Cylinder Test Results.

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

Remarks:

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- 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**

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

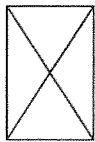
Load Number:	3 of 11	Number of 4x8 Cylinders:	4
Ticket Number:	294921	Cast By:	Mary E. Sanders
Truck Number:	102	Slump:	ASTM C 143 6.00 in.
Cubic Yards:	10	Air Temperature:	65 °F
Total Yardage:	109	Concrete Temperature:	ASTM C1064 73 °F
Total Time (minutes):	53	Air Content:	ASTM C 231 2.2 %

**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 <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Matthew T. Grady*  
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

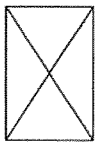
Load Number:	7 of 11	Number of 4x8 Cylinders:	4
Ticket Number:	294932	Cast By:	Mary E. Sanders
Truck Number:	136	Slump:	ASTM C 143 6.00 in.
Cubic Yards:	10	Air Temperature:	73 °F
Total Yardage:	109	Concrete Temperature:	ASTM C1064 75 °F
Total Time (minutes):	65	Air Content:	ASTM C 231 1.9 %

**Specimen Storage ASTM C 31**

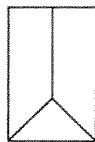
Field Cure Days: 1  
 Date Received: 8/31/2016  
 Condition of Cylinders: Good  
 Curing Temperatures: 66 °F to 83 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

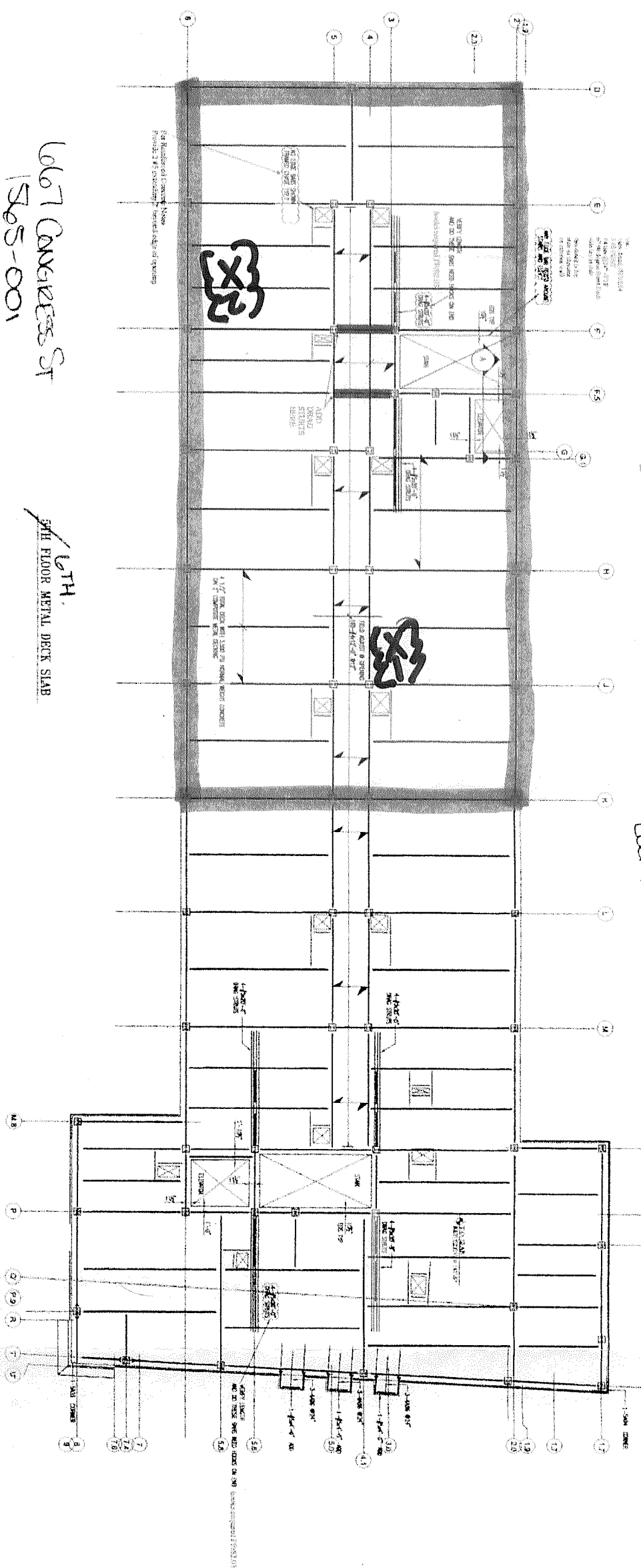
Checked by:   
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**

CONCRETE PLACEMENT AREA

TEST CML LOCATIONS



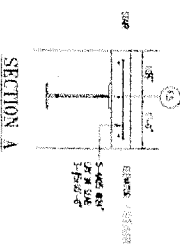
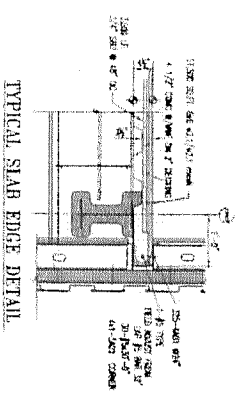
607 Congress St

1505-001

MARY SANDERS

08.30.2016

5TH FLOOR METAL DECK SLAB



NO.	DESCRIPTION	QTY	UNIT	DATE
1	2x4x8 SFD	1	EA	
2	1/2\"/>			



TYPICAL SLAB EDGE DETAIL

SECTION A

NO.	DESCRIPTION	QTY	UNIT	DATE
1	2x4x8 SFD	1	EA	
2	1/2\"/>			

THIS DRAWING IS NOT TO BE SCALED

PROJECT: 507 CONGRESS STREET

DRAWING: METAL DECK 5TH FLOOR

DATE: 08/30/16

DRAWN BY: MARY SANDERS

CHECKED BY: MARY SANDERS

DATE: 08/30/16



**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:	October 4, 2016	Project No.:	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:

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- 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**

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

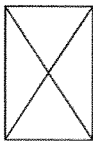
Load Number:	3 of 10	Number of 4x8 Cylinders:	4
Ticket Number:	291029	Cast By:	Anthony G. Stohlberg
Truck Number:	84	Slump:	ASTM C 143 7.00 in.
Cubic Yards:	10	Air Temperature:	70 °F
Total Yardage:	100	Concrete Temperature:	ASTM C1064 73.8 °F
Total Time (minutes):	92	Air Content:	ASTM C 231 1.7 %

**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 <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Matthew T. Grady*  
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

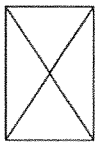
Load Number:	7 of 10	Number of 4x8 Cylinders:	4
Ticket Number:	291033	Cast By:	Anthony G. Stohlberg
Truck Number:	156	Slump:	ASTM C 143 7.00 in.
Cubic Yards:	10	Air Temperature:	80 °F
Total Yardage:	100	Concrete Temperature:	ASTM C1064 75.1 °F
Total Time (minutes):	80	Air Content:	ASTM C 231 1.7 %

**Specimen Storage ASTM C 31**

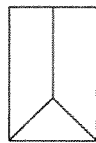
Field Cure Days: 4  
 Date Received: 9/6/2016  
 Condition of Cylinders: Good  
 Curing Temperatures: 62 °F to 89 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



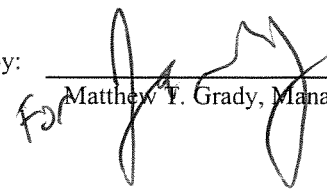
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

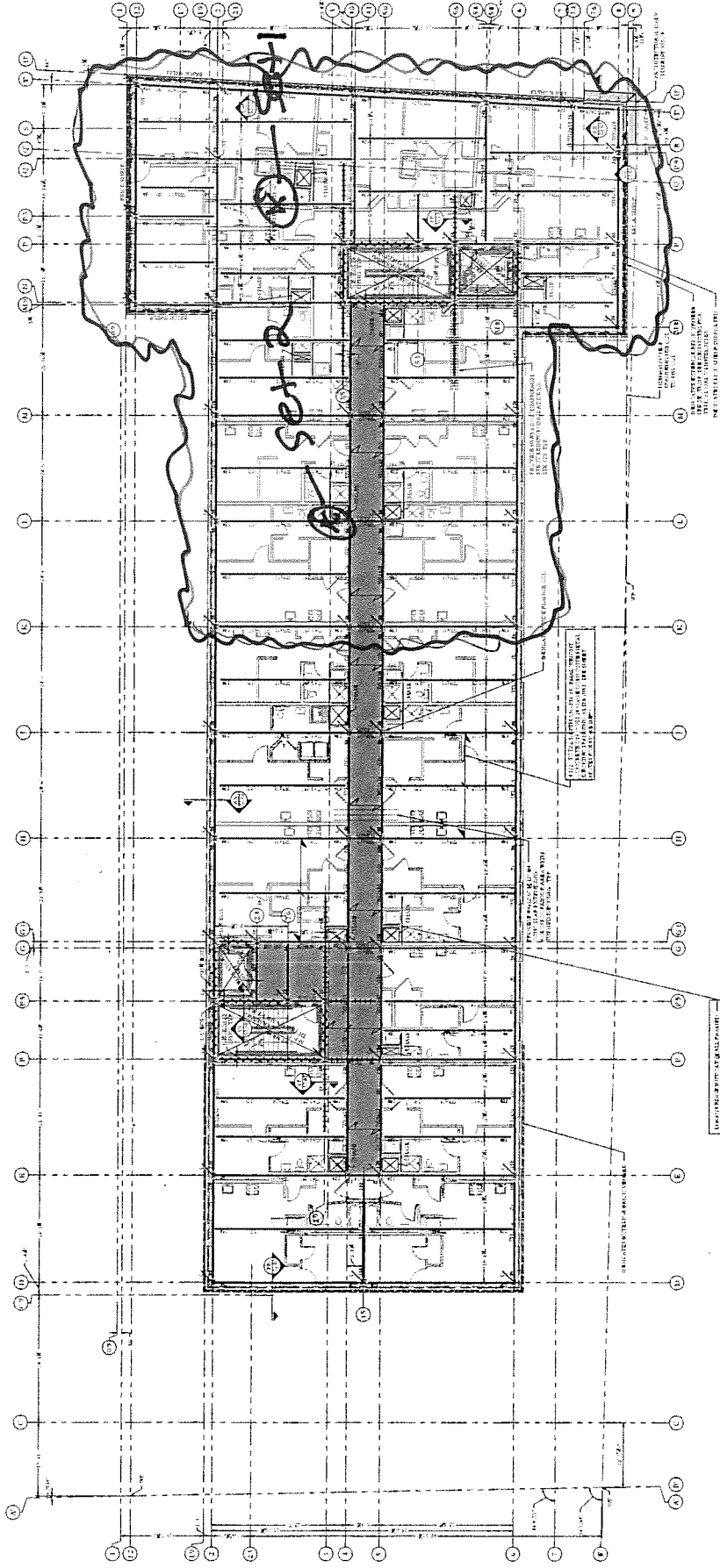
*for*  Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC



7th Floor



**FRAMING KEY**

---	EXISTING STRUCTURE
---	NEW STRUCTURE
---	REMOVE EXISTING STRUCTURE
---	REMOVE EXISTING STRUCTURE TO BE RECONSTRUCTED
---	REMOVE EXISTING STRUCTURE TO BE REPLACED
---	REMOVE EXISTING STRUCTURE TO BE REPLACED WITH NEW
---	REMOVE EXISTING STRUCTURE TO BE REPLACED WITH NEW AND RECONSTRUCTED
---	REMOVE EXISTING STRUCTURE TO BE REPLACED WITH NEW AND RECONSTRUCTED WITH NEW
---	REMOVE EXISTING STRUCTURE TO BE REPLACED WITH NEW AND RECONSTRUCTED WITH NEW AND RECONSTRUCTED WITH NEW
---	REMOVE EXISTING STRUCTURE TO BE REPLACED WITH NEW AND RECONSTRUCTED WITH NEW AND RECONSTRUCTED WITH NEW AND RECONSTRUCTED WITH NEW
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**3RD FLOOR FRAMING PLAN**

1. THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF STRUCTURAL INTEGRITY INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF STRUCTURAL INTEGRITY INC.

2. THIS DRAWING IS THE PROPERTY OF STRUCTURAL INTEGRITY INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF STRUCTURAL INTEGRITY INC.

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



667 CONGRESS STREET  
 APARTMENTS  
 PORTLAND, MAINE



DATE: 10/20/16  
 PROJECT NO.: 1565  
 DRAWN BY: SAC  
 CHECKED BY: ACJ  
 SCALE: AS SHOWN  
 SHEET TITLE: 3RD FLOOR FRAMING PLAN

**S1.03**



3/23/2016



**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: October 7, 2016	Project No.: 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:

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- 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**

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

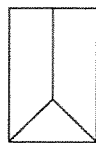
Field Cure Days: 2  
 Date Received: 9/9/2016  
 Condition of Cylinders: Good  
 Curing Temperatures: 69 °F to 85 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4

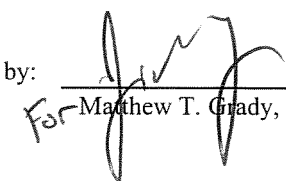


Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

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



**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

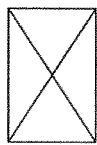
Load Number:	6 of 7	Number of 4x8 Cylinders:	4
Ticket Number:	278023	Cast By:	Mary E. Sanders
Truck Number:	98	Slump:	ASTM C 143 6.00 in.
Cubic Yards:	10	Air Temperature:	67 °F
Total Yardage:	70	Concrete Temperature:	ASTM C1064 80 °F
Total Time (minutes):	90	Air Content:	ASTM C 231 6.6 %

**Specimen Storage ASTM C 31**

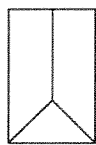
Field Cure Days: 2  
 Date Received: 9/9/2016  
 Condition of Cylinders: Good  
 Curing Temperatures: 69 °F to 85 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4

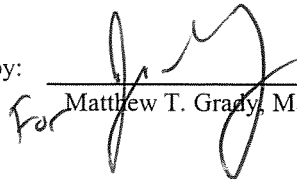


Side Fracture  
5



Double Side Fracture  
6

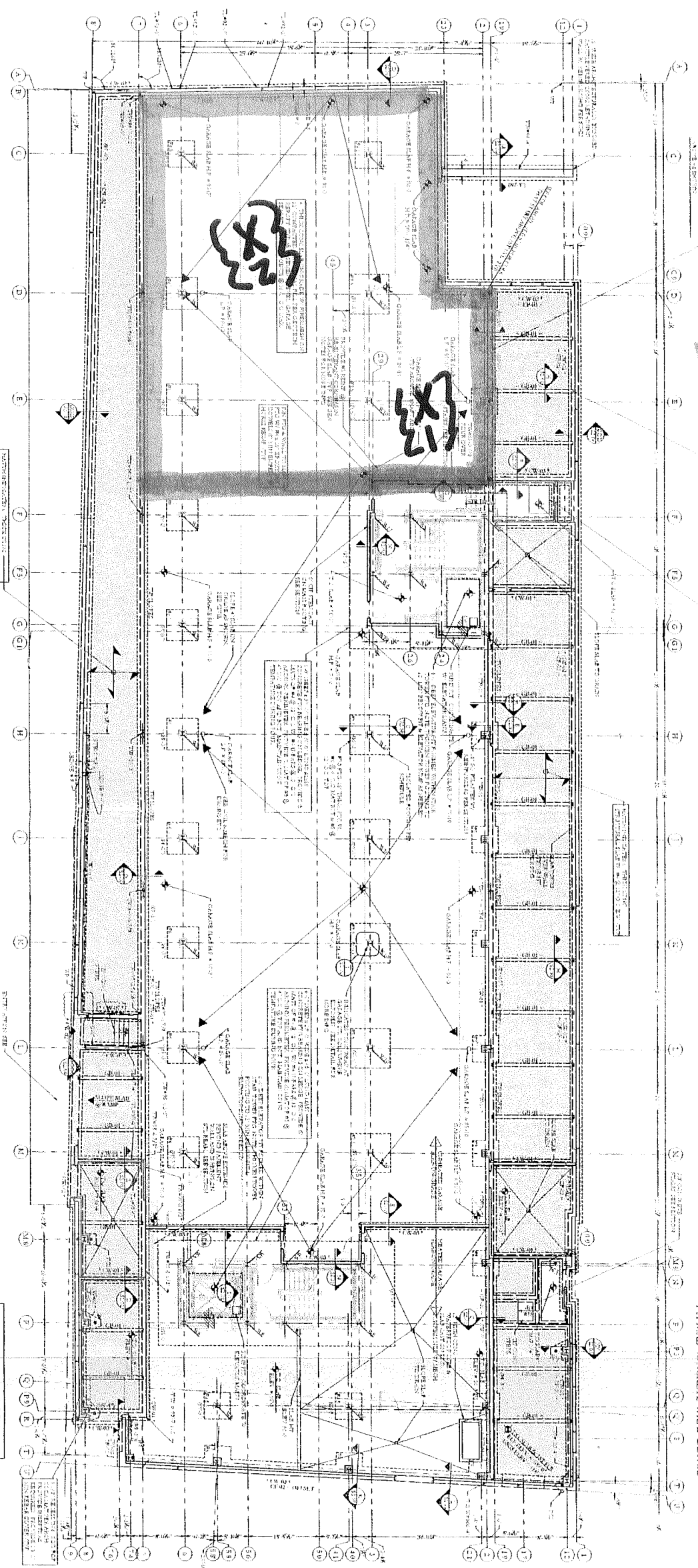
**Remarks:**

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



**R.W. GILLESPIE & ASSOCIATES, INC**

DEBRIS HOLES  
 CONCRETE HOLES  
 X TEST CIL  
 LOCATION



PILE CAP AND GRADE BEAM SCHEDULE

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

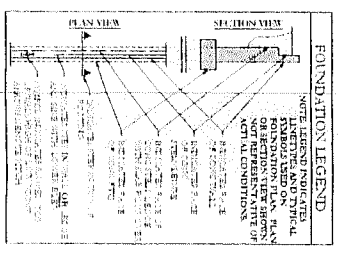
FOUNDATION PLAN

CONCRETE WALL SCHEDULE

MARK	TYPE	WALL REINFORCING	NOTE

CONCRETE FOOTING SCHEDULE

MARK	SIZE	FTG REINFORCING	BEAM TYPE ON



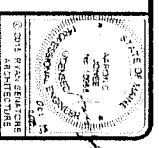
Structural Integrity

667 CONGRESS STREET  
 APARTMENTS  
 PORTLAND, MAINE

DATE: NOVEMBER 23, 2011  
 PROJECT NO.: 1001  
 DRAWN BY: JAC  
 SCALE: AS SHOWN

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: October 12, 2016	Project No.: 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:

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- 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**

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

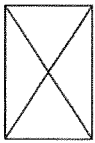
Load Number:	3 of 11	Number of 4x8 Cylinders:	4
Ticket Number:	278141	Cast By:	Mary E. Sanders
Truck Number:	95	Slump:	ASTM C 143 6.50 in.
Cubic Yards:	10	Air Temperature:	71 °F
Total Yardage:	110	Concrete Temperature:	ASTM C1064 77 °F
Total Time (minutes):	72	Air Content:	ASTM C 231 2.6 %

**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 <sup>2</sup> )	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			



Cone  
1



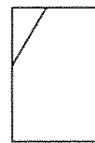
Cone & Split  
2



Columnar  
3



Shear  
4



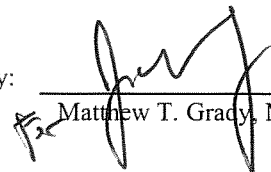
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

  
 Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

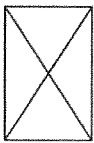
Load Number:	7 of 11	Number of 4x8 Cylinders:	4
Ticket Number:	278153	Cast By:	Mary E. Sanders
Truck Number:	84	Slump:	ASTM C 143 6.50 in.
Cubic Yards:	10	Air Temperature:	75 °F
Total Yardage:	110	Concrete Temperature:	ASTM C1064 79 °F
Total Time (minutes):	76	Air Content:	ASTM C 231 2.5 %

**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 <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



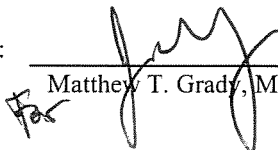
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

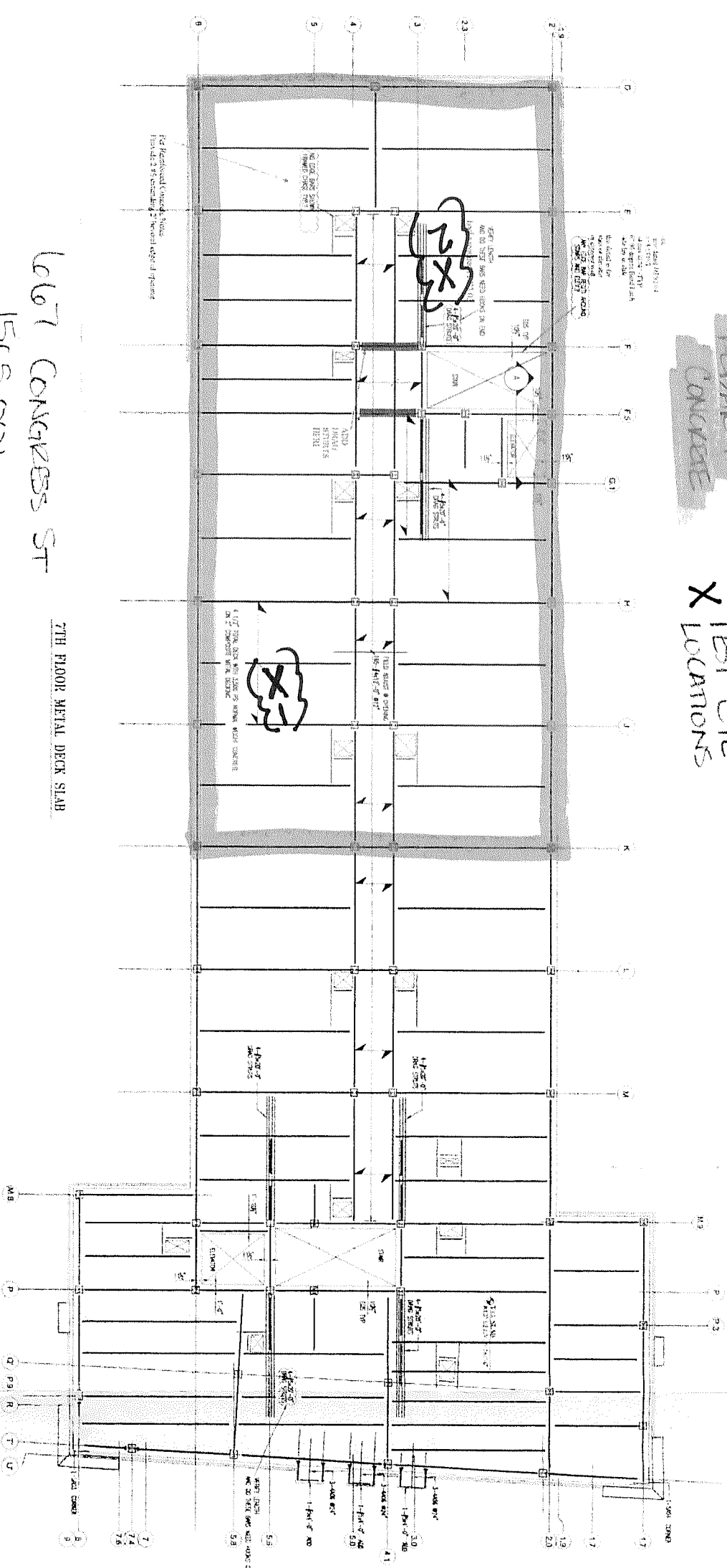
*For*  Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC

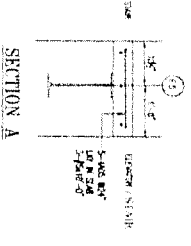
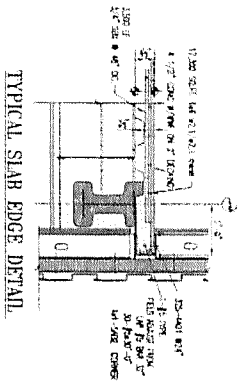


VERNAL A  
CONCRETE  
TEST CIL  
LOCATIONS

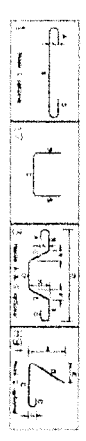


667 CONGRESS ST  
1565-001  
7TH FLOOR METAL DECK SLAB

MARY SANDERS  
09-09-2016



NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR PERMIT	09/09/16	JMK
2	REVISIONS AND ISSUE RECORD		
3	FOR THE RECORD AND PURPOSE OF THE RECORD IS TO BE KEPT AS A REFERENCE ONLY. THIS DRAWING IS NOT TO BE SCALED.		



No. Description Date By  
 1 ISSUED FOR PERMIT 09/09/16 JMK  
 2 REVISIONS AND ISSUE RECORD  
 3 FOR THE RECORD AND PURPOSE OF THE RECORD IS TO BE KEPT AS A REFERENCE ONLY. THIS DRAWING IS NOT TO BE SCALED.

PROJECT: 667 CONGRESS STREET  
 DRAWING: METAL DECK 7TH FLOOR  
 CUSTOMER: NE BEES FOUNDATION  
 DATE: 09/09/16  
 JOB NO. 1565-001  
 JOB NO. 1565-001  
 JOB NO. 1565-001



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:	September 23, 2016	Project No.:	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:

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- 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**

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

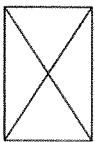
Load Number:	1 of 8	Number of 4x8 Cylinders:	4
Ticket Number:	277429	Cast By:	Anthony G. Stohlberg
Truck Number:	-	Slump:	ASTM C 143 6.25 in.
Cubic Yards:	10	Air Temperature:	65 °F
Total Yardage:	76	Concrete Temperature:	ASTM C1064 73 °F
Total Time (minutes):	90	Air Content:	ASTM C 231 1.5 %

**Specimen Storage ASTM C 31**

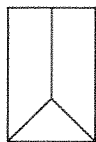
Field Cure Days: 1  
 Date Received: 9/16/2016  
 Condition of Cylinders: Good  
 Curing Temperatures: 62 °F to 76 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



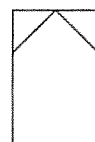
Columnar  
3



Shear  
4



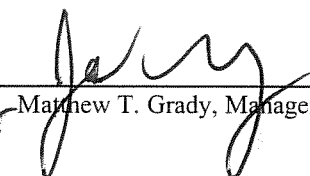
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*For*   
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

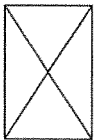
Load Number:	6 of 8	Number of 4x8 Cylinders:	4
Ticket Number:	277436	Cast By:	Joshua R. Fancy
Truck Number:	-	Slump:	ASTM C 143 7.25 in.
Cubic Yards:	10	Air Temperature:	61 °F
Total Yardage:	76	Concrete Temperature:	ASTM C1064 73 °F
Total Time (minutes):	100	Air Content:	ASTM C 231 2.3 %

**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 <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



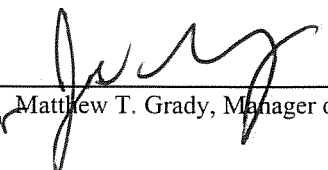
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*For*   
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**



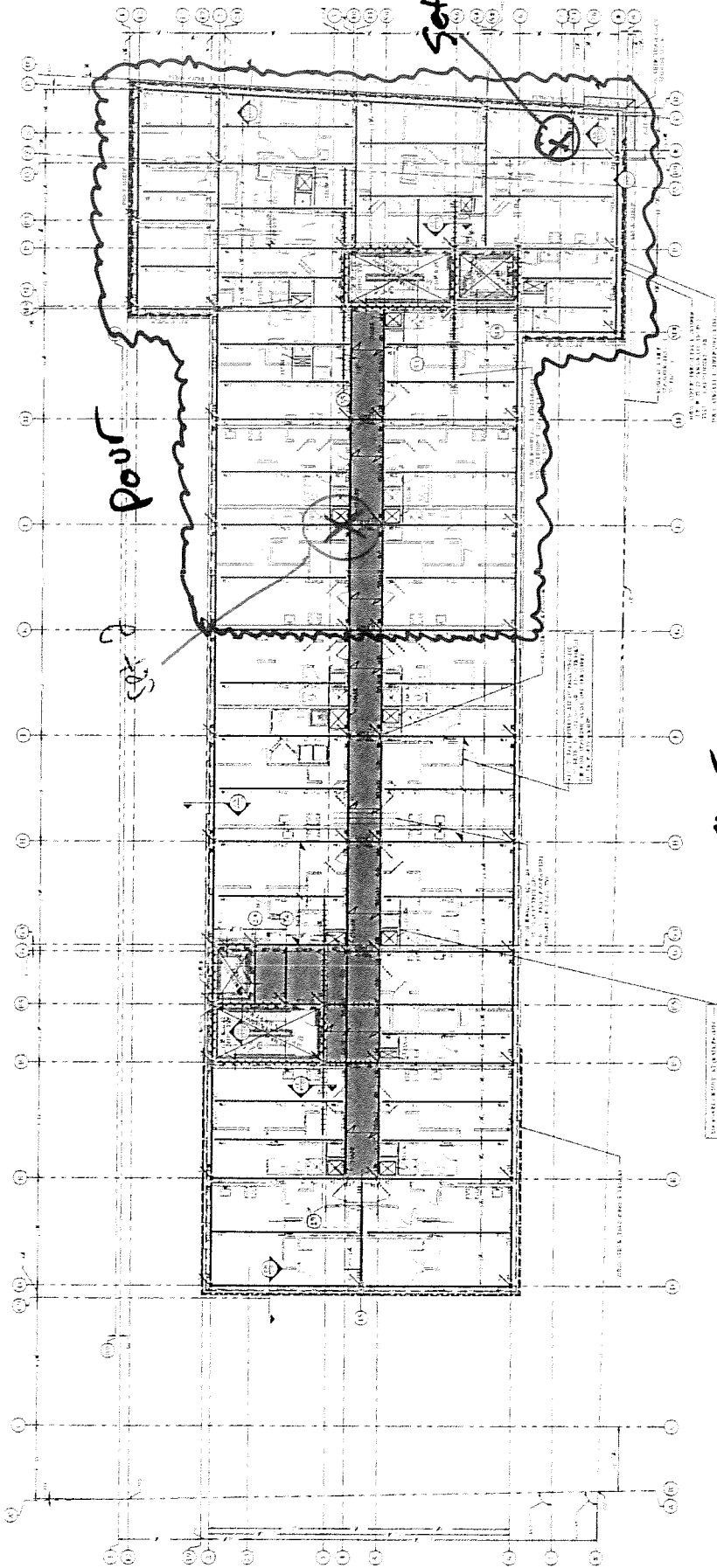
667 CONGRESS STREET  
 APARTMENTS  
 PORTLAND MAINE



REGISTRATION  
 ARCHITECTURE  
 CONTRACTORS

DATE: 09/15/2016  
 PROJECT: 667 CONGRESS ST  
 DRAWN BY: JF  
 CHECKED BY: JF  
 DATE: 09/15/2016  
 SHEET: 3RD FLOOR  
 TITLE: FRAMING PLAN

S1.03



FRAMING KEY

---	CONCRETE
---	WOOD JOIST
---	STEEL JOIST
---	WOOD TRUSS
---	STEEL TRUSS
---	WOOD BEAM
---	STEEL BEAM
---	WOOD COLUMN
---	STEEL COLUMN
---	WOOD WALL
---	STEEL WALL
---	WOOD FLOOR
---	STEEL FLOOR
---	WOOD CEILING
---	STEEL CEILING
---	WOOD ROOF
---	STEEL ROOF

**8th Floor**

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Project: 667 Congress Street  
 Project No.: 1565-001  
 Date: **9/15/2016**  
 Technologist: **Tony Stohlberg**  
 Josh Furel





**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**

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

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

We are sending you attached Concrete Cylinder Test Results.

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

Remarks:

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- 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**

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

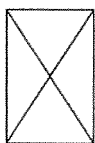
Load Number:	1 of 8	Number of 4x8 Cylinders:	4
Ticket Number:	277429	Cast By:	Anthony G. Stohlberg
Truck Number:	-	Slump:	ASTM C 143 6.25 in.
Cubic Yards:	10	Air Temperature:	65 °F
Total Yardage:	76	Concrete Temperature:	ASTM C1064 73 °F
Total Time (minutes):	90	Air Content:	ASTM C 231 1.5 %

**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 <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



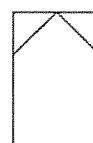
Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Matthew T. Grady*  
 Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

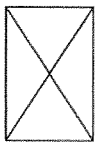
Load Number:	6 of 8	Number of 4x8 Cylinders:	4
Ticket Number:	277436	Cast By:	Joshua R. Fancy
Truck Number:	-	Slump:	ASTM C 143 7.25 in.
Cubic Yards:	10	Air Temperature:	61 °F
Total Yardage:	76	Concrete Temperature:	ASTM C1064 73 °F
Total Time (minutes):	100	Air Content:	ASTM C 231 2.3 %

**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 <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



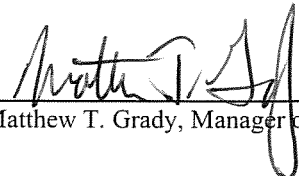
Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

  
 Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC



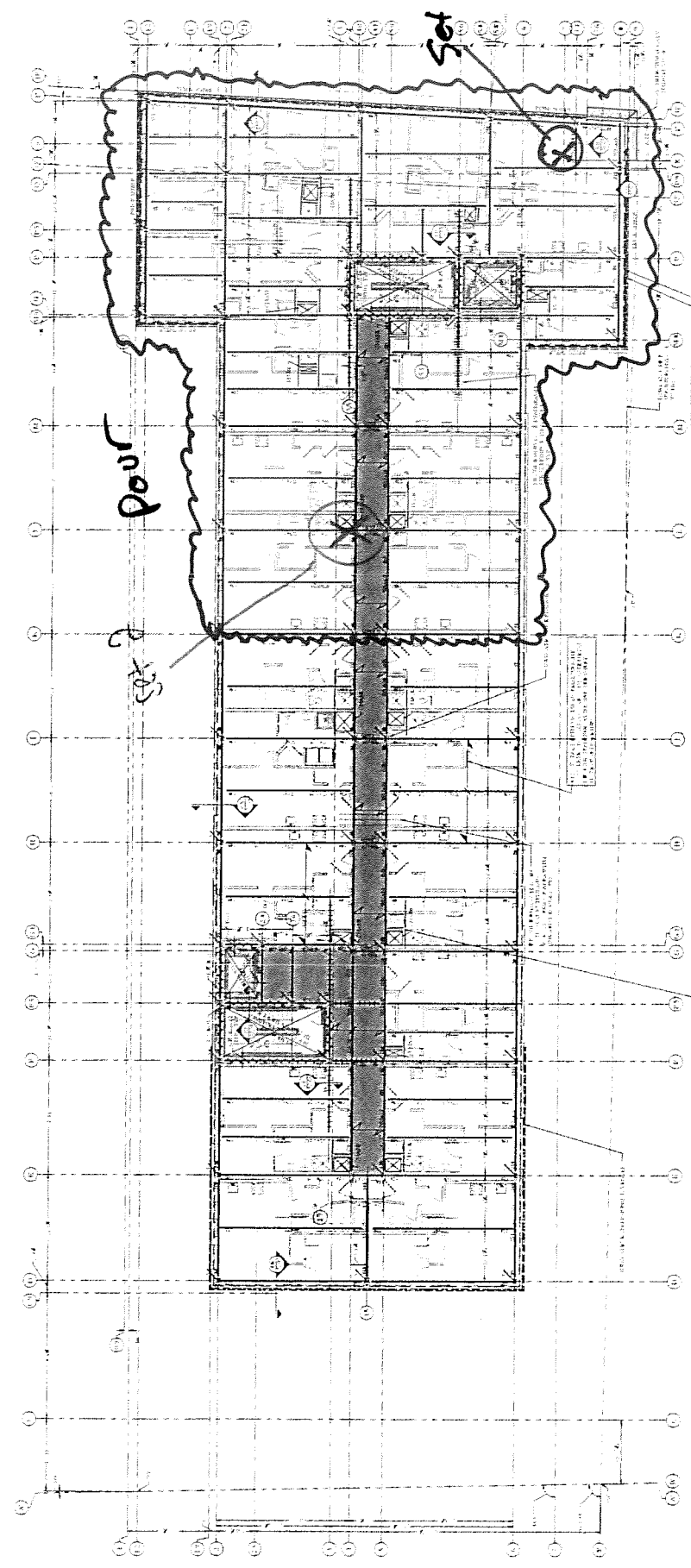


667 CONGRESS STREET  
 APARTMENTS  
 PORTLAND MAINE

**RSA**  
 REGISTERED PROFESSIONAL ARCHITECTURE  
 ARCHITECTURE

PROJECT: 667 CONGRESS ST  
 SHEET NO. 3RD FLOOR FRAMING PLAN  
 DATE: 9/15/2016  
 DRAWN BY: J.F.  
 CHECKED BY: R.S.A.  
 PROJECT NO.: 1565-001

**\$1.03**



FRAMING KEY

SYMBOL	DESCRIPTION
(Symbol)	16' x 16' WOOD JOIST @ 16" O.C.
(Symbol)	16' x 16' WOOD JOIST @ 16" O.C. (2x12)
(Symbol)	16' x 16' WOOD JOIST @ 16" O.C. (2x10)
(Symbol)	16' x 16' WOOD JOIST @ 16" O.C. (2x8)
(Symbol)	16' x 16' WOOD JOIST @ 16" O.C. (2x6)
(Symbol)	16' x 16' WOOD JOIST @ 16" O.C. (2x4)
(Symbol)	16' x 16' WOOD JOIST @ 16" O.C. (2x2)
(Symbol)	16' x 16' WOOD JOIST @ 16" O.C. (2x1)
(Symbol)	16' x 16' WOOD JOIST @ 16" O.C. (2x0)

**3rd Floor**

REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	09/15/2016

NOTES: ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES. DIMENSIONS TO FACE UNLESS NOTED OTHERWISE. ALL MATERIALS SHALL BE AS SHOWN ON THIS PLAN UNLESS OTHERWISE NOTED. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL RESIDENTIAL CODE BOOK (IRC) AND THE INTERNATIONAL BUILDING CODE (IBC). ALL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL BUILDING DEPARTMENT. ALL WORK SHALL BE SUBJECT TO THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT. ALL WORK SHALL BE SUBJECT TO THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT. ALL WORK SHALL BE SUBJECT TO THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT.

Project: 667 Congress Street  
 Project No.: 1565-001  
 Date: 9/15/2016  
 Technologist: Tony Stohlberg  
 Job: Fencil

**Structural Integrity**  
 ARCHITECTURE  
 1000 BROADWAY, SUITE 200  
 PORTLAND, MAINE 04102  
 TEL: 603.761.1234  
 FAX: 603.761.1235  
 WWW.STRUCTURALINTEGRITYARCHITECTURE.COM



**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**

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

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

We are sending you attached Concrete Cylinder Test Results.

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

Remarks:

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- 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@acom-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**

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

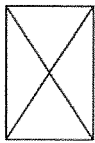
Load Number:	3 of 11	Number of 4x8 Cylinders:	4
Ticket Number:	290848	Cast By:	Mary E. Sanders
Truck Number:	157	Slump:	ASTM C 143 6.00 in.
Cubic Yards:	10	Air Temperature:	68 °F
Total Yardage:	110	Concrete Temperature:	ASTM C1064 75 °F
Total Time (minutes):	58	Air Content:	ASTM C 231 2.3 %

**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 <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

Checked by:

*Matthew I. Grady*  
 Matthew I. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

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

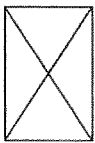
Load Number:	7 of 11	Number of 4x8 Cylinders:	4
Ticket Number:	290855	Cast By:	Mary E. Sanders
Truck Number:	101	Slump:	ASTM C 143 5.75 in.
Cubic Yards:	10	Air Temperature:	70 °F
Total Yardage:	110	Concrete Temperature:	ASTM C1064 78 °F
Total Time (minutes):	80	Air Content:	ASTM C 231 2.3 %

**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 <sup>2</sup> )	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			



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



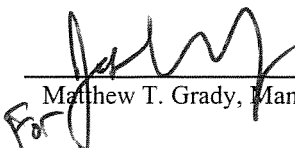
Side Fracture  
5



Double Side Fracture  
6

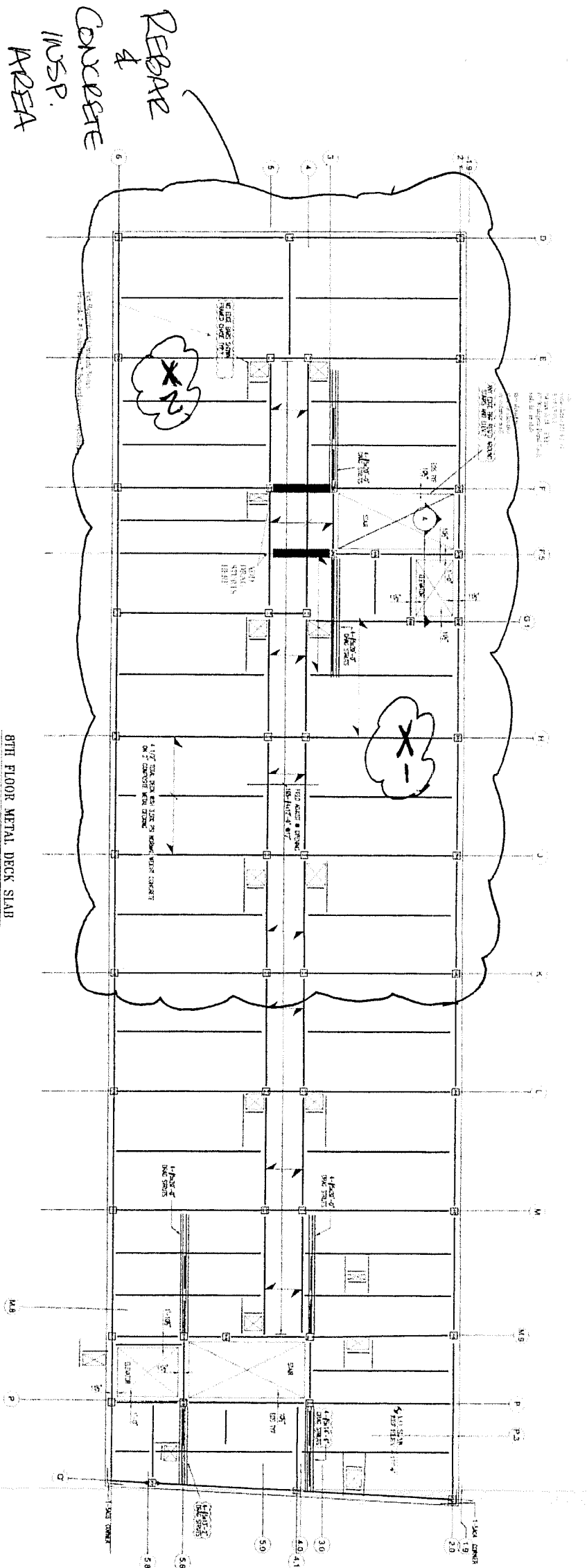
**Remarks:**

Checked by:

  
 Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**

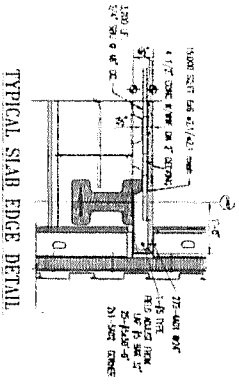


8TH FLOOR METAL DECK SLAB

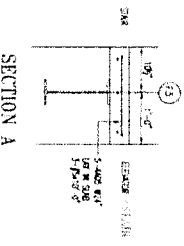
X-TEST  
CULIS.

607 CONGRESS ST  
1565-001

MARY SANDERS  
09-20-2016

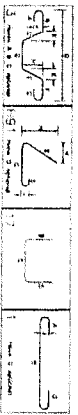


TYPICAL SLAB EDGE DETAIL



SECTION A

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR PERMIT	1/20/2016	MS
2	REVISIONS AND ISSUE RECORD		
3	REVISIONS AND ISSUE RECORD		
4	REVISIONS AND ISSUE RECORD		
5	REVISIONS AND ISSUE RECORD		
6	REVISIONS AND ISSUE RECORD		
7	REVISIONS AND ISSUE RECORD		
8	REVISIONS AND ISSUE RECORD		
9	REVISIONS AND ISSUE RECORD		
10	REVISIONS AND ISSUE RECORD		
11	REVISIONS AND ISSUE RECORD		
12	REVISIONS AND ISSUE RECORD		
13	REVISIONS AND ISSUE RECORD		
14	REVISIONS AND ISSUE RECORD		
15	REVISIONS AND ISSUE RECORD		
16	REVISIONS AND ISSUE RECORD		
17	REVISIONS AND ISSUE RECORD		
18	REVISIONS AND ISSUE RECORD		
19	REVISIONS AND ISSUE RECORD		
20	REVISIONS AND ISSUE RECORD		



NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR PERMIT	1/20/2016	MS
2	REVISIONS AND ISSUE RECORD		
3	REVISIONS AND ISSUE RECORD		
4	REVISIONS AND ISSUE RECORD		
5	REVISIONS AND ISSUE RECORD		
6	REVISIONS AND ISSUE RECORD		
7	REVISIONS AND ISSUE RECORD		
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16	REVISIONS AND ISSUE RECORD		
17	REVISIONS AND ISSUE RECORD		
18	REVISIONS AND ISSUE RECORD		
19	REVISIONS AND ISSUE RECORD		
20	REVISIONS AND ISSUE RECORD		



**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:	October 19, 2016	Project No.:	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:

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- 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**

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

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 Date Received: 9/21/2016  
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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			



Cone  
1



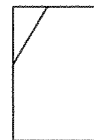
Cone & Split  
2



Columnar  
3



Shear  
4

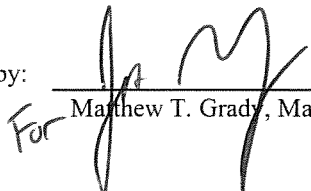


Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

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



**R.W. GILLESPIE & ASSOCIATES, INC**

**R.W. GILLESPIE & ASSOCIATES**  
**CONCRETE TEST/PLACEMENT REPORT**

<b>Project Name:</b>	667 Congress St. Apartments Project	<b>Date Cylinders Cast:</b>	Tuesday, September 20, 2016
<b>Project No:</b>	1565-001	<b>Concrete Supplier:</b>	Auburn Concrete
<b>Client:</b>	Cordjia Capital Projects Group	<b>Design Strength:</b>	3500 psi
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**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:**

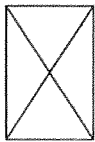
Load Number:	7 of 11	Number of 4x8 Cylinders:	4
Ticket Number:	290855	Cast By:	Mary E. Sanders
Truck Number:	101	Slump:	ASTM C 143 5.75 in.
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Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in <sup>2</sup> )	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
85269	9/27/2016	4.01	12.60	7	46790	3710	5
85270	10/18/2016	3.98	12.43	28	54635	4400	5
85271	10/18/2016	3.98	12.43	28	56720	4560	5
85272	HOLD			H			



Cone  
1



Cone & Split  
2



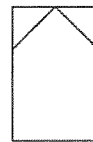
Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

**Remarks:**

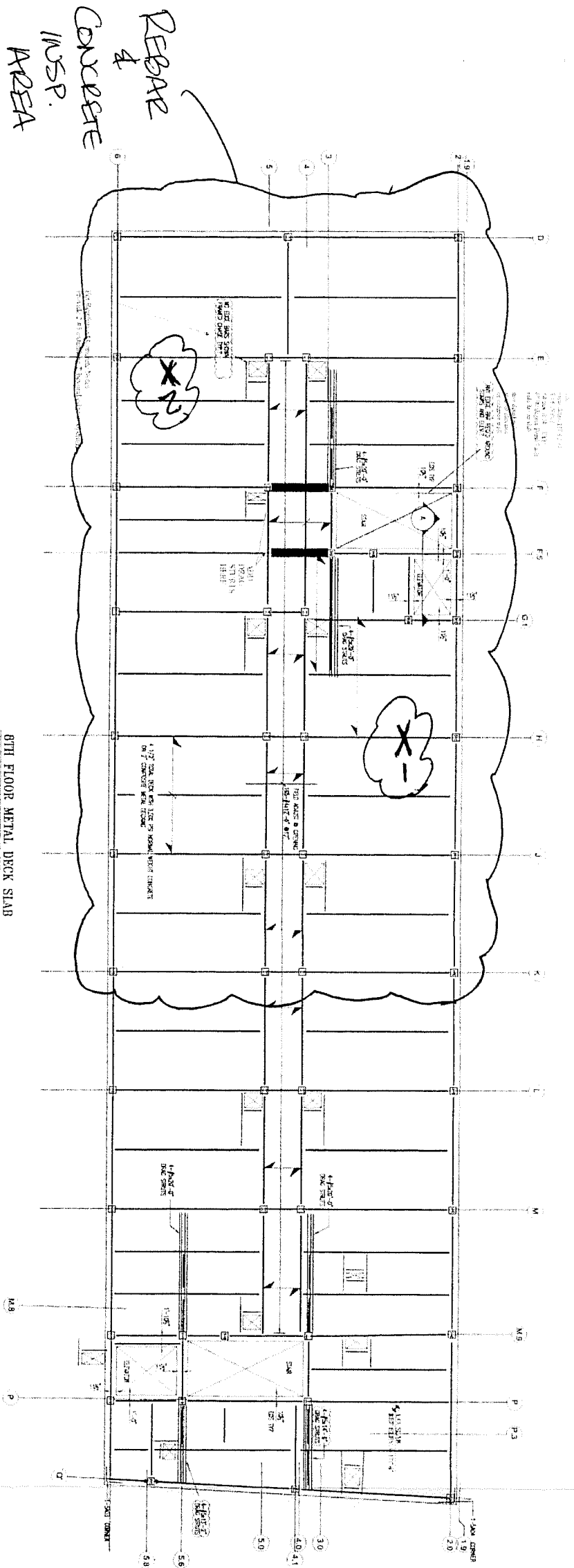
Checked by:

*Matthew T. Grady*  
 For Matthew T. Grady, Manager of MTS



**R.W. GILLESPIE & ASSOCIATES, INC**

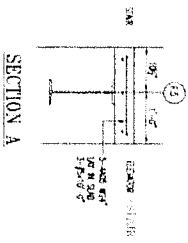
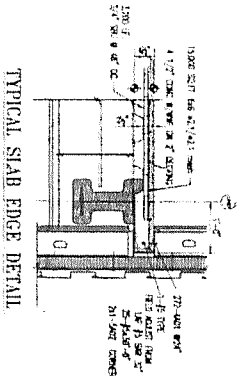




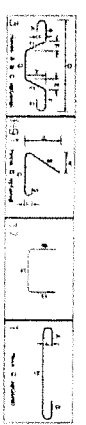
X-TEST  
CHIS.

6607 CONGRESS ST  
1565-001

MARY SAUNDERS  
09-20-2016



NO.	DESCRIPTION	QTY	UNIT	REMARKS
1	1/2" DIA. REBAR	100	FT	
2	3/4" DIA. REBAR	150	FT	
3	1" DIA. REBAR	200	FT	
4	2" DIA. REBAR	50	FT	
5	3" DIA. REBAR	20	FT	
6	4" DIA. REBAR	10	FT	
7	5" DIA. REBAR	5	FT	
8	6" DIA. REBAR	2	FT	
9	7" DIA. REBAR	1	FT	
10	8" DIA. REBAR	1	FT	
11	9" DIA. REBAR	1	FT	
12	10" DIA. REBAR	1	FT	
13	11" DIA. REBAR	1	FT	
14	12" DIA. REBAR	1	FT	
15	13" DIA. REBAR	1	FT	
16	14" DIA. REBAR	1	FT	
17	15" DIA. REBAR	1	FT	
18	16" DIA. REBAR	1	FT	
19	17" DIA. REBAR	1	FT	
20	18" DIA. REBAR	1	FT	
21	19" DIA. REBAR	1	FT	
22	20" DIA. REBAR	1	FT	
23	21" DIA. REBAR	1	FT	
24	22" DIA. REBAR	1	FT	
25	23" DIA. REBAR	1	FT	
26	24" DIA. REBAR	1	FT	
27	25" DIA. REBAR	1	FT	
28	26" DIA. REBAR	1	FT	
29	27" DIA. REBAR	1	FT	
30	28" DIA. REBAR	1	FT	
31	29" DIA. REBAR	1	FT	
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38	36" DIA. REBAR	1	FT	
39	37" DIA. REBAR	1	FT	
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78	76" DIA. REBAR	1	FT	
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80	78" DIA. REBAR	1	FT	
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84	82" DIA. REBAR	1	FT	
85	83" DIA. REBAR	1	FT	
86	84" DIA. REBAR	1	FT	
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88	86" DIA. REBAR	1	FT	
89	87" DIA. REBAR	1	FT	
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97	95" DIA. REBAR	1	FT	
98	96" DIA. REBAR	1	FT	
99	97" DIA. REBAR	1	FT	
100	98" DIA. REBAR	1	FT	



EVAL FOR APPROVAL		DATE	
NO. DESCRIPTION		DATE	
REVISIONS AND THEIR RECORD			
THIS DRAWING IS NOT TO BE SCALED			
DRAWING: METAL DECK 8TH FLOOR			
PROJECT: 667 CONGRESS STREET			
CUSTOMER: NG CASE FOUNDATION			
DRAWING NO: 20160901001			
DATE: 09/20/2016			
DRAWN BY: MARY SAUNDERS			
CHECKED BY: MARY SAUNDERS			
DATE: 09/20/2016			
JOB NO: 20160901001			
JOB NO: 20160901001			
JOB NO: 20160901001			